

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG050219\
 Data File : BG040716.D
 Acq On : 2 May 2019 20:54
 Operator : JU/SJ
 Sample : K2204-06MSD
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TR-04-043019MSD

Manual Integrations
 APPROVED

Sohil
 5/3/2019 4:29:22 PM

Quant Time: May 03 07:53:55 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG042319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 24 05:35:33 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.14	152	44429	20.00	ng	-0.01
21) Naphthalene-d8	10.97	136	180500	20.00	ng	-0.01
39) Acenaphthene-d10	14.78	164	142018	20.00	ng	-0.01
64) Phenanthrene-d10	17.52	188	404504	20.00	ng	-0.01
76) Chrysene-d12	21.80	240	401199	20.00	ng	-0.02
87) Perylene-d12	25.16	264	417576	20.00	ng	-0.04

System Monitoring Compounds

5) 2-Fluorophenol	5.68	112	413526	164.07	ng	0.00
7) Phenol-d6	7.29	99	595221	153.38	ng	0.00
23) Nitrobenzene-d5	9.32	82	454916	116.45	ng	-0.01
42) 2,4,6-Tribromophenol	16.26	330	387933	198.73	ng	0.00
45) 2-Fluorobiphenyl	13.40	172	974207	99.07	ng	-0.01
79) Terphenyl-d14	20.11	244	2012898	111.15	ng	-0.02

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.56	88	51582	45.001	ng	# 41
3) Pyridine	3.97	79	161217	48.524	ng	100
4) n-Nitrosodimethylamine	3.88	42	88523	48.036	ng	86
6) Aniline	7.47	93	72527	14.100	ng	95
8) 2-Chlorophenol	7.70	128	160484	52.147	ng	91
9) Benzaldehyde	7.28	77	39786	12.722	ng	96
10) Phenol	7.32	94	209208	50.151	ng	96
11) bis(2-Chloroethyl)ether	7.56	93	153575	49.094	ng	98
12) 1,3-Dichlorobenzene	8.03	146	160304	47.723	ng	100
13) 1,4-Dichlorobenzene	8.18	146	164051	48.177	ng	97
14) 1,2-Dichlorobenzene	8.50	146	159969	48.712	ng	97
15) Benzyl Alcohol	8.38	79	202094	50.049	ng	98
16) 2,2'-oxybis(1-Chloropropan	8.67	45	273427	43.902	ng	97
17) 2-Methylphenol	8.58	107	158421	53.662	ng	97
18) Hexachloroethane	9.24	117	62677	44.870	ng	96
19) n-Nitroso-di-n-propylamine	8.95	70	156484	44.795	ng	97
20) 3+4-Methylphenols	8.91	107	218694	53.177	ng	98
22) Acetophenone	8.98	105	280057	55.797	ng	# 96
24) Nitrobenzene	9.37	77	239472	57.456	ng	99
25) Isophorone	9.88	82	448748	51.571	ng	99
26) 2-Nitrophenol	10.08	139	94001	62.918	ng	# 87
27) 2,4-Dimethylphenol	10.12	122	182946	65.264	ng	96
28) bis(2-Chloroethoxy)methane	10.36	93	223568	51.210	ng	97
29) 2,4-Dichlorophenol	10.61	162	201588	63.256	ng	95
30) 1,2,4-Trichlorobenzene	10.83	180	195530	55.328	ng	97
31) Naphthalene	11.02	128	514718	53.676	ng	99
32) Benzoic acid	10.25	122	128884	67.162	ng	89
33) 4-Chloroaniline	11.13	127	10888	2.561	ng	# 86
34) Hexachlorobutadiene	11.29	225	139051	53.295	ng	95
35) Caprolactam	11.91	113	63741m	50.661	ng	
36) 4-Chloro-3-methylphenol	12.23	107	259106	64.450	ng	98
37) 2-Methylnaphthalene	12.61	142	398874	55.633	ng	99
38) 1-Methylnaphthalene	12.83	142	383224	54.683	ng	100
40) 1,2,4,5-Tetrachlorobenzene	12.97	216	272168	51.444	ng	98

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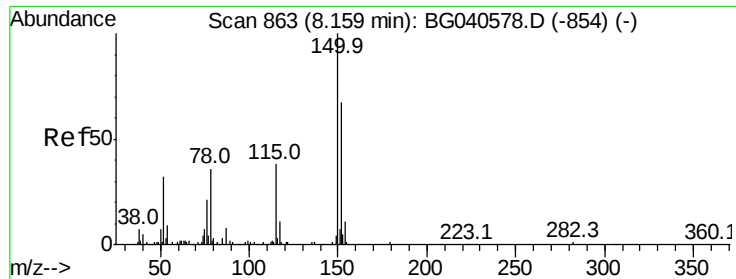
Manual Integrations
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 5/3/2019 4:29:22 PM

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	12.94	237	315021	100.909	ng	99
43) 2,4,6-Trichlorophenol	13.21	196	198876	62.205	ng	96
44) 2,4,5-Trichlorophenol	13.28	196	217736	62.518	ng	98
46) 1,1'-Biphenyl	13.61	154	551988	50.061	ng	96
47) 2-Chloronaphthalene	13.66	162	452563	52.446	ng	98
48) 2-Nitroaniline	13.87	65	197013	64.139	ng	98
49) Acenaphthylene	14.51	152	745628	50.929	ng	98
50) Dimethylphthalate	14.22	163	674721	56.783	ng	99
51) 2,6-Dinitrotoluene	14.35	165	147569	63.633	ng	99
52) Acenaphthene	14.84	154	443438	52.010	ng	95
53) 3-Nitroaniline	14.68	138	23480	9.882	ng	# 96
54) 2,4-Dinitrophenol	14.89	184	195262	143.214	ng	# 81
55) Dibenzofuran	15.18	168	757498	54.242	ng	98
56) 4-Nitrophenol	14.98	139	240442	116.697	ng	96
57) 2,4-Dinitrotoluene	15.14	165	219135	69.539	ng	97
58) Fluorene	15.82	166	622501	55.150	ng	97
59) 2,3,4,6-Tetrachlorophenol	15.39	232	237453	67.738	ng	98
60) Diethylphthalate	15.58	149	707297	56.417	ng	99
61) 4-Chlorophenyl-phenylether	15.81	204	379810	57.856	ng	99
62) 4-Nitroaniline	15.85	138	129876	48.862	ng	92
63) Azobenzene	16.10	77	672575	52.093	ng	99
65) 4,6-Dinitro-2-methylphenol	15.89	198	129701	62.549	ng	91
66) n-Nitrosodiphenylamine	16.02	169	553461	46.506	ng	99
67) 4-Bromophenyl-phenylether	16.70	248	256849	50.967	ng	96
68) Hexachlorobenzene	16.81	284	267089	51.256	ng	94
69) Atrazine	16.96	200	135132	28.659	ng	98
70) Pentachlorophenol	17.16	266	364614	119.574	ng	99
71) Phenanthrene	17.56	178	1118698	51.346	ng	97
72) Anthracene	17.66	178	1142529	52.170	ng	98
73) Carbazole	17.93	167	956785	47.952	ng	99
74) Di-n-butylphthalate	18.46	149	1225225	50.876	ng	99
75) Fluoranthene	19.57	202	1440886	53.069	ng	99
77) Benzidine	19.75	184	35103m	3.196	ng	
78) Pyrene	19.92	202	1454930	57.861	ng	97
80) Butylbenzylphthalate	20.79	149	567204	57.875	ng	99
81) Benzo(a)anthracene	21.78	228	1389336	54.793	ng	98
82) 3,3'-Dichlorobenzidine	21.70	252	59463	6.580	ng	95
83) Chrysene	21.86	228	1353803	56.141	ng	99
84) Bis(2-ethylhexyl)phthalate	21.66	149	779627	55.109	ng	97
85) Di-n-octyl phthalate	22.91	149	1329234	55.790	ng	98
86) Indeno(1,2,3-cd)pyrene	29.03	276	1593268	54.647	ng	# 91
88) Benzo(b)fluoranthene	24.09	252	1443811	56.581	ng	97
89) Benzo(k)fluoranthene	24.17	252	1390968	58.369	ng	98
90) Benzo(a)pyrene	25.01	252	1365507	56.532	ng	97
91) Dibenzo(a,h)anthracene	29.11	278	1328498	54.350	ng	98
92) Benzo(g,h,i)perylene	30.25	276	1269809	52.197	ng	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

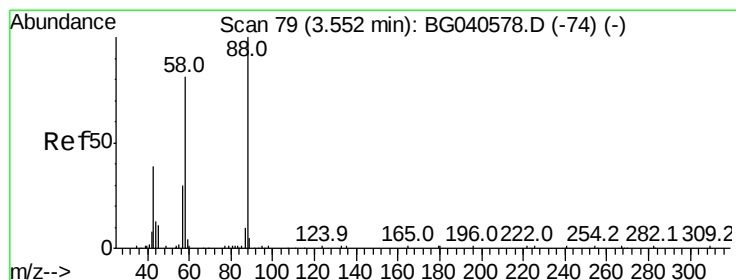
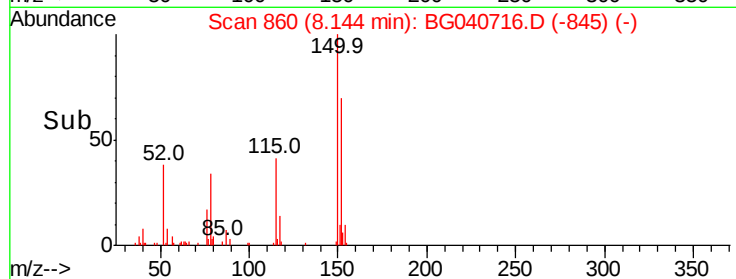
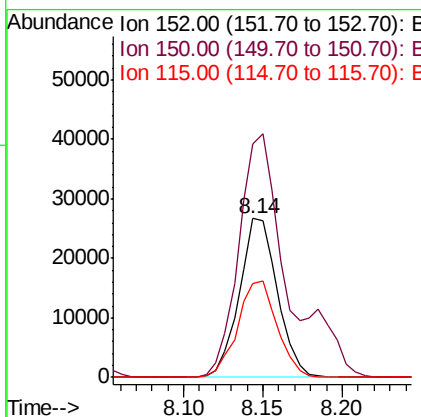
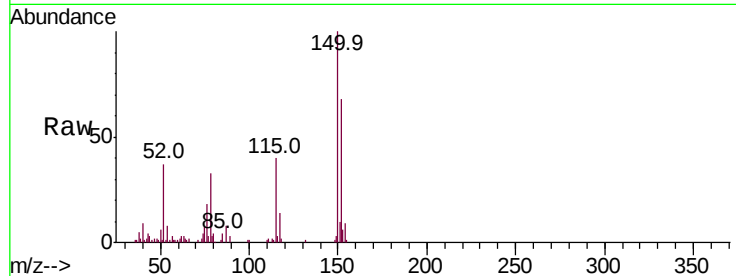
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.14 min Scan# 860
Delta R.T. -0.01 min
Lab File: BG040716.D
Acq: 2 May 2019 20:54

Instrument :
BNA_G
ClientSampleId :
TR-04-043019MSD

Tot Ion	Ratio	Lower	Upper
152	100		
150	146.6	120.2	180.2
115	58.9	46.2	69.2

Manual Integrations
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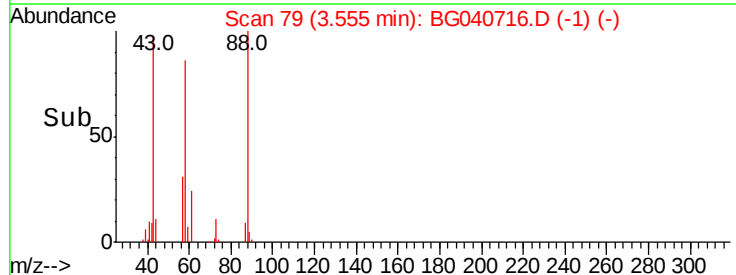
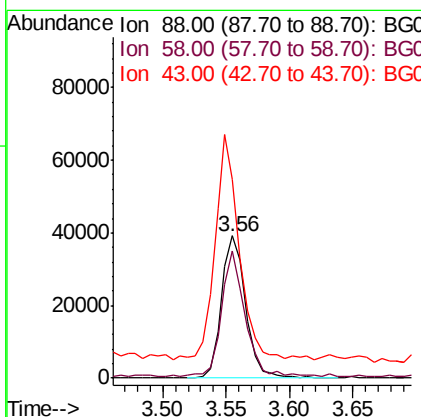
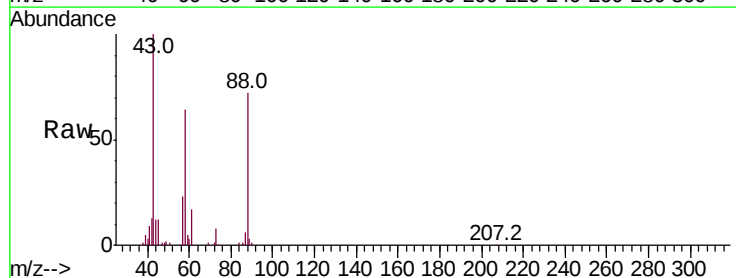
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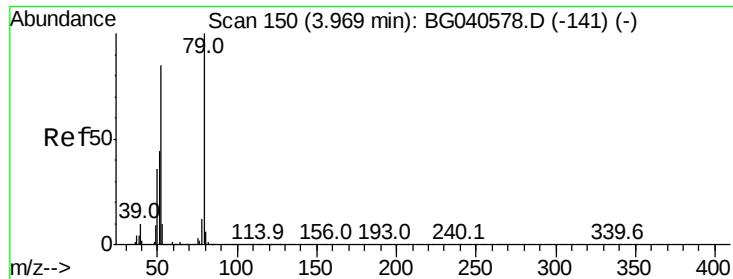


#2

1,4-Dioxane
Concen: 45.001 ng
RT: 3.56 min Scan# 79
Delta R.T. 0.00 min
Lab File: BG040716.D
Acq: 2 May 2019 20:54

Tgt Ion	Ratio	Lower	Upper
88	100		
58	84.0	71.2	106.8
43	153.2	35.6	53.4#





#3

Pvridine

Concen: 48.524 ng

RT: 3.97 min Scan# 149

Delta R.T. -0.00 min

Lab File: BG040716.D

Acq: 2 May 2019 20:54

Instrument :

BNA_G

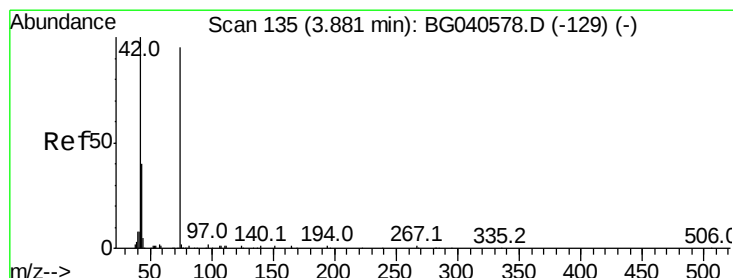
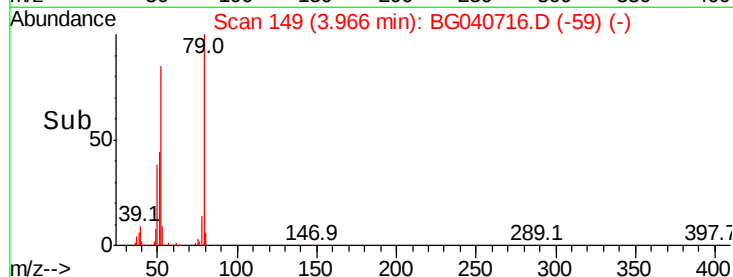
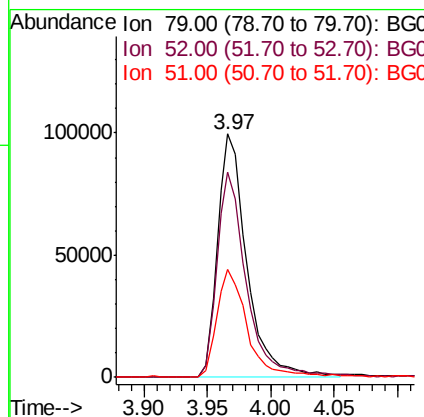
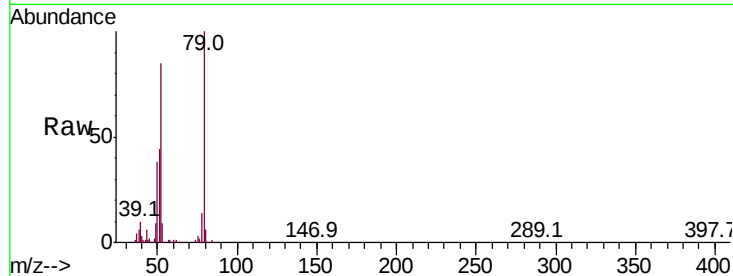
ClientSampleId :

TR-04-043019MSD

Tot Ion:	79	Resp:	161217
Ion Ratio	Lower	Upper	
79	100		
52	84.5	67.5	101.3
51	44.5	35.6	53.4

Manual Integrations
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#4

n-Nitrosodimethylamine

Concen: 48.036 ng

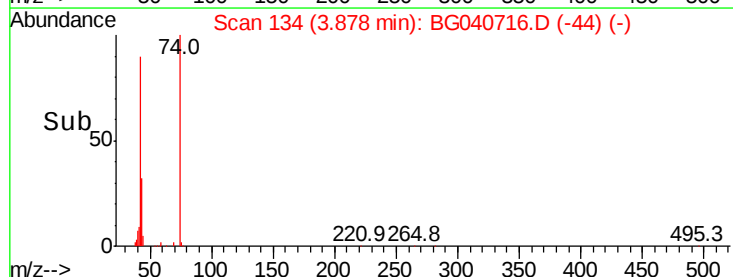
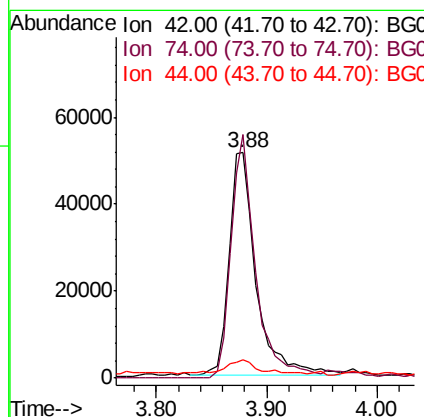
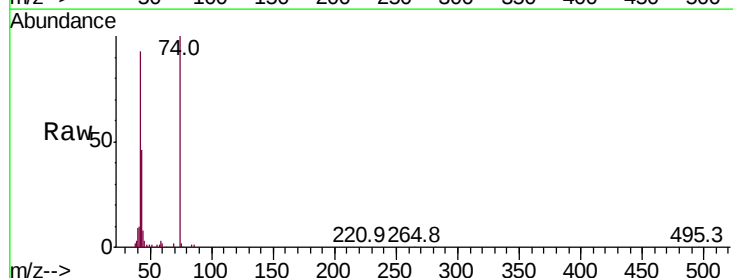
RT: 3.88 min Scan# 134

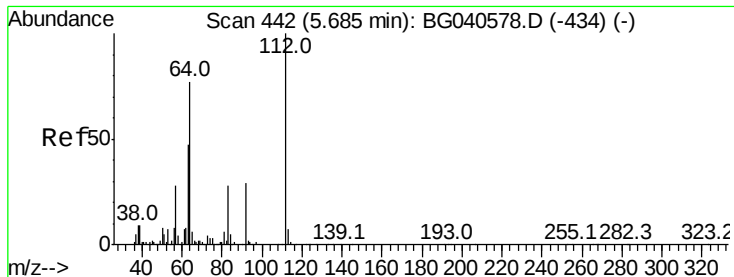
Delta R.T. -0.00 min

Lab File: BG040716.D

Acq: 2 May 2019 20:54

Tgt Ion:	42	Resp:	88523
Ion Ratio	Lower	Upper	
42	100		
74	108.1	74.6	111.8
44	8.1	7.4	11.0





#5

2-Fluorophenol

Concen: 164.071 ng

RT: 5.68 min Scan# 441

Delta R.T. -0.00 min

Lab File: BG040716.D

Acq: 2 May 2019 20:54

Instrument :

BNA_G

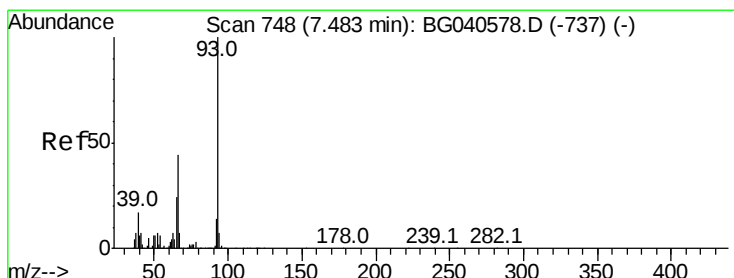
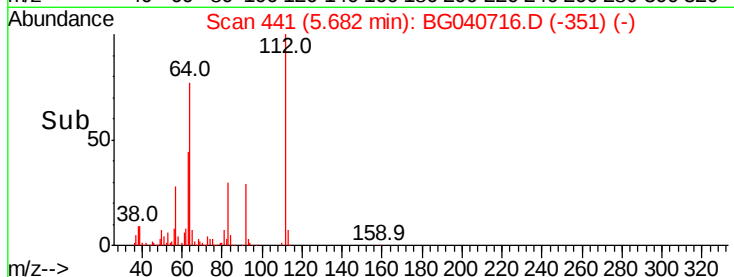
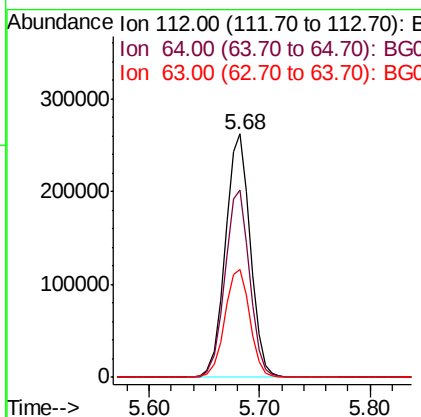
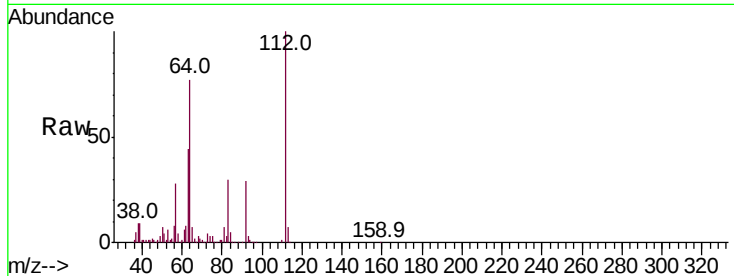
ClientSampleId :

TR-04-043019MSD

Tot Ion:	112	Resp:	413526
Ion Ratio	Lower	Upper	
112	100		
64	76.9	61.4	92.0
63	44.1	37.8	56.6

Manual Integrations
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#6

Aniline

Concen: 14.100 ng

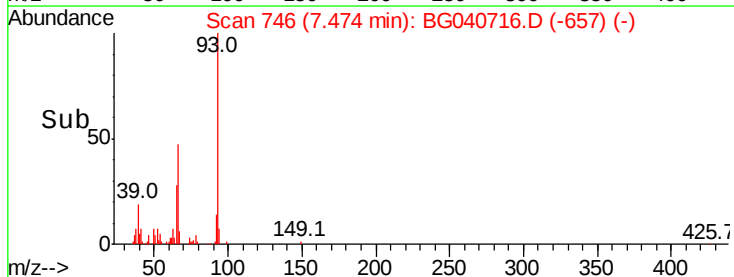
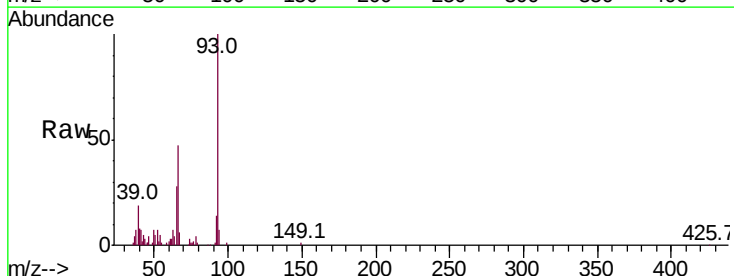
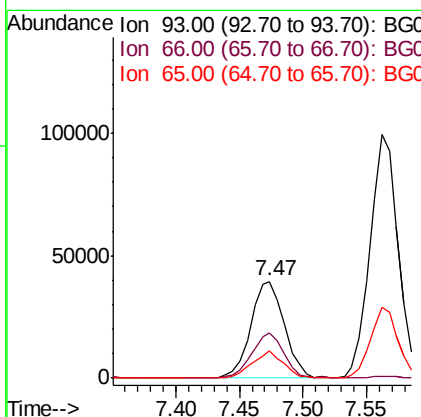
RT: 7.47 min Scan# 746

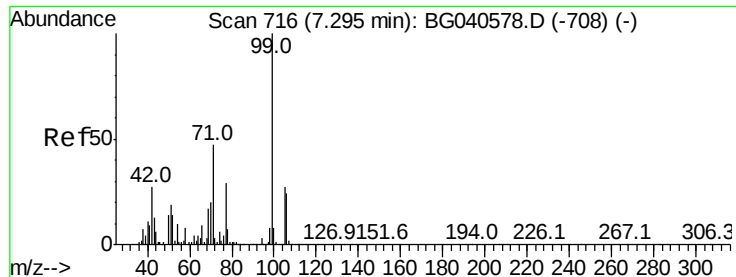
Delta R.T. -0.01 min

Lab File: BG040716.D

Acq: 2 May 2019 20:54

Tgt Ion:	93	Resp:	72527
Ion Ratio	Lower	Upper	
93	100		
66	46.7	35.5	53.3
65	28.1	19.2	28.8





#7

Phenol-d6

Concen: 153.379 ng

RT: 7.29 min Scan# 714

Delta R.T. -0.01 min

Lab File: BG040716.D

Acq: 2 May 2019 20:54

Instrument :

BNA_G

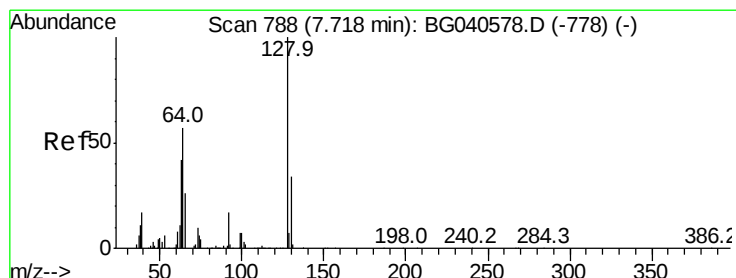
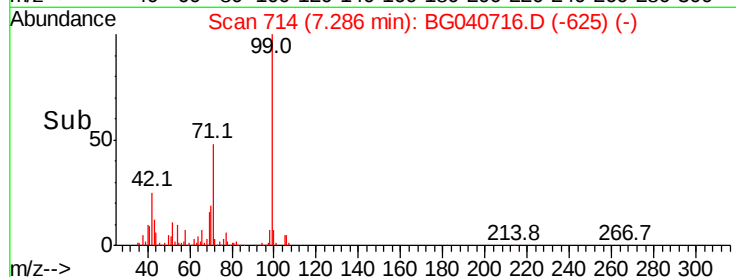
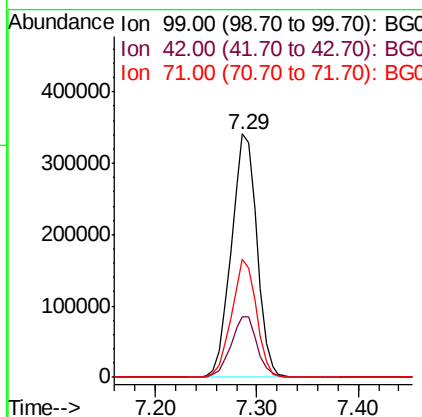
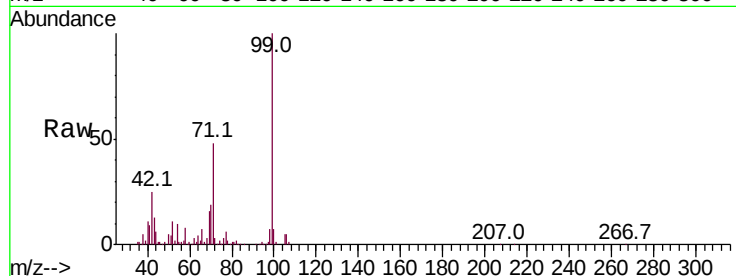
ClientSampleId :

TR-04-043019MSD

Tot Ion:	99	Resp:	595221
Ion Ratio	Lower	Upper	
99	100		
42	25.0	21.8	32.8
71	48.3	38.6	57.8

Manual Integrations
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#8

2-Chlorophenol

Concen: 52.147 ng

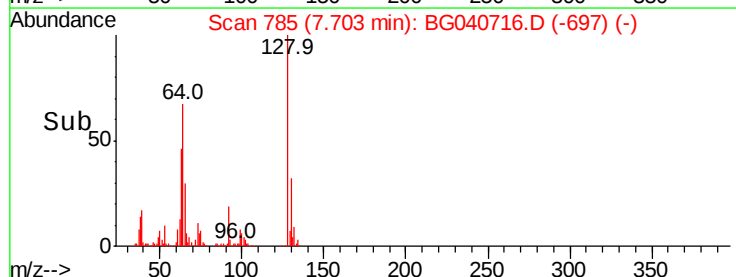
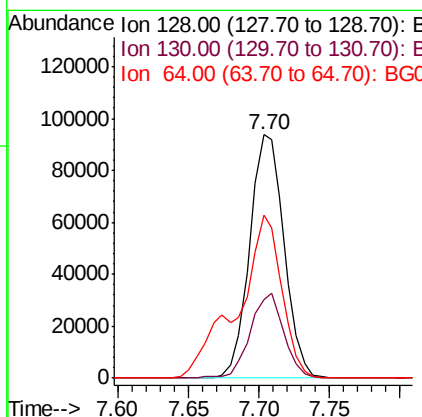
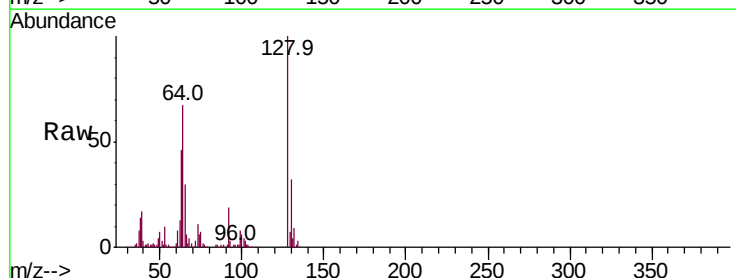
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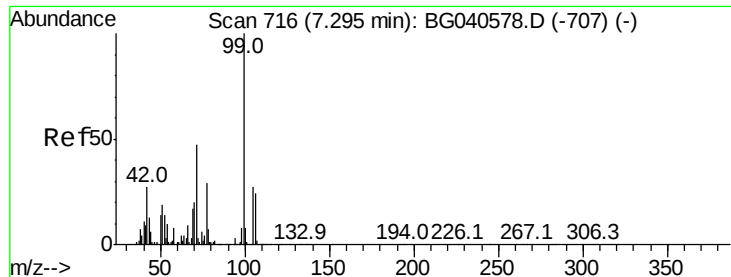
Delta R.T. -0.01 min

Lab File: BG040716.D

Acq: 2 May 2019 20:54

Tgt Ion:	128	Resp:	160484
Ion Ratio	Lower	Upper	
128	100		
130	32.1	14.5	54.5
64	66.9	38.4	78.4





#9

Benzaldehyde

Concen: 12.722 ng

RT: 7.28 min Scan# 713

Delta R.T. -0.01 min

Lab File: BG040716.D

Acq: 2 May 2019 20:54

Instrument :

BNA_G

ClientSampleId :

TR-04-043019MSD

Tot Ion: 77 Resp: 39786

Ion Ratio Lower Upper

77 100

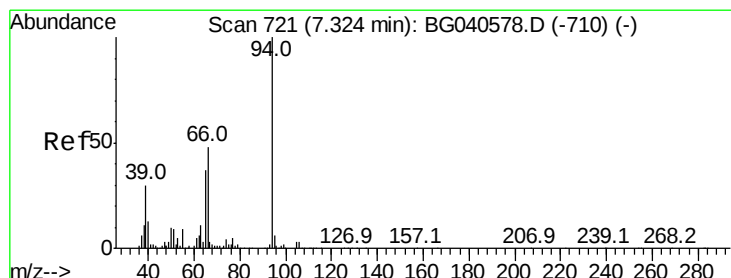
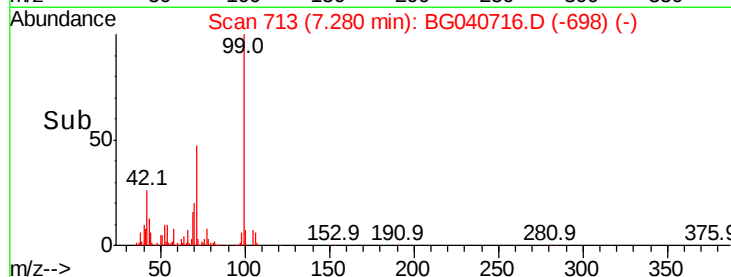
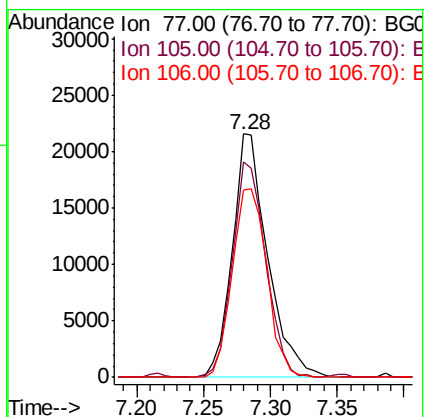
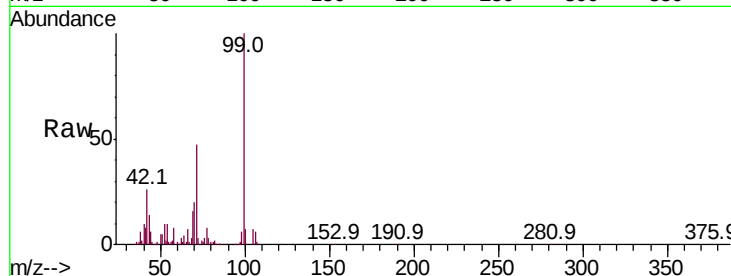
105 88.3 72.0 112.0

106 76.8 61.2 101.2

Manual Integrations
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#10

Phenol

Concen: 50.151 ng

RT: 7.32 min Scan# 719

Delta R.T. -0.01 min

Lab File: BG040716.D

Acq: 2 May 2019 20:54

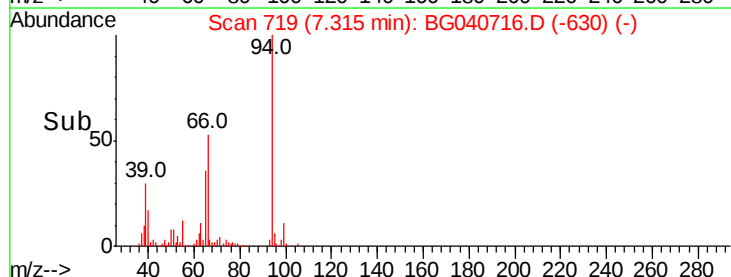
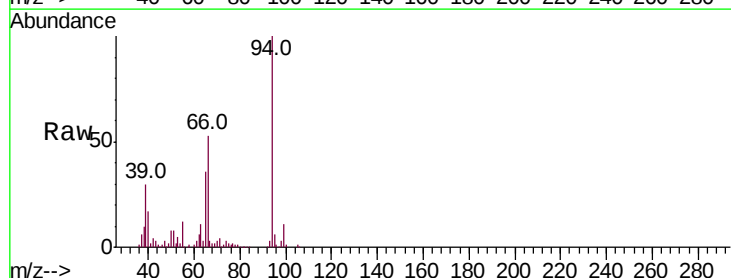
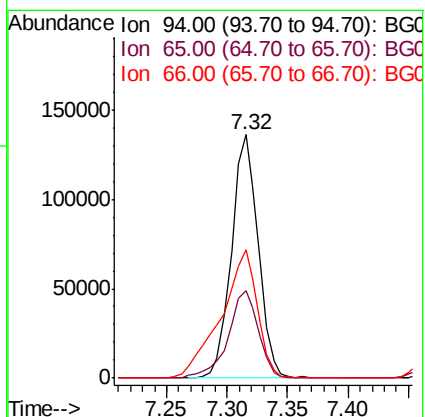
Tgt Ion: 94 Resp: 209208

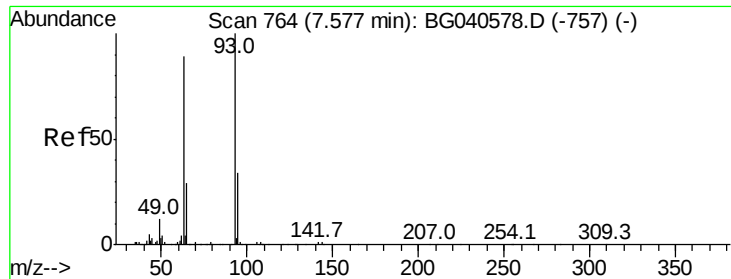
Ion Ratio Lower Upper

94 100

65 36.1 17.0 57.0

66 52.8 28.6 68.6





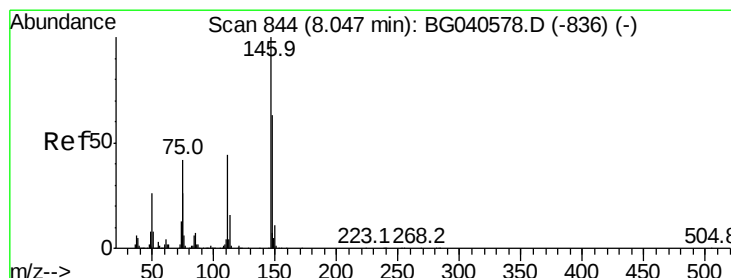
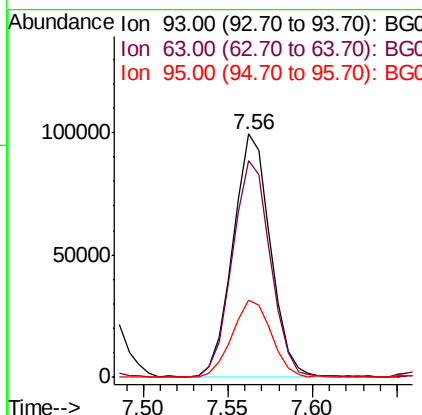
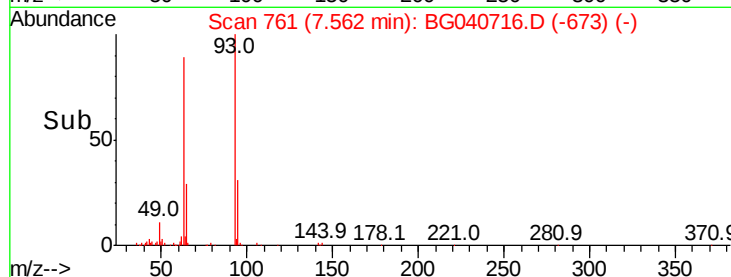
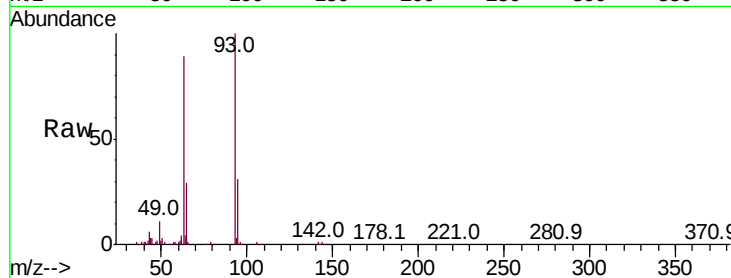
#11
bis(2-Chloroethyl)ether
Concen: 49.094 ng
RT: 7.56 min Scan# 761
Delta R.T. -0.01 min
Lab File: BG040716.D
Acq: 2 May 2019 20:54

Instrument :
BNA_G
ClientSampleId :
TR-04-043019MSD

Tot Ion	Ratio	Resp	Lower	Upper
93	100	153575		
63	89.3	68.2	108.2	
95	31.5	14.3	54.3	

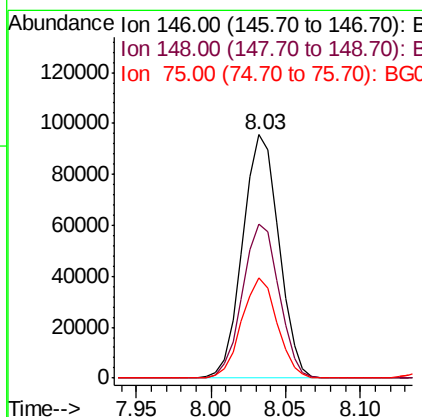
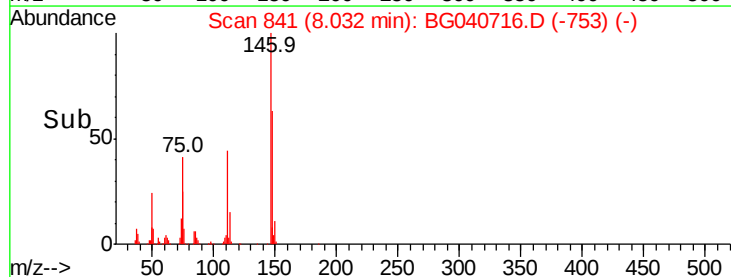
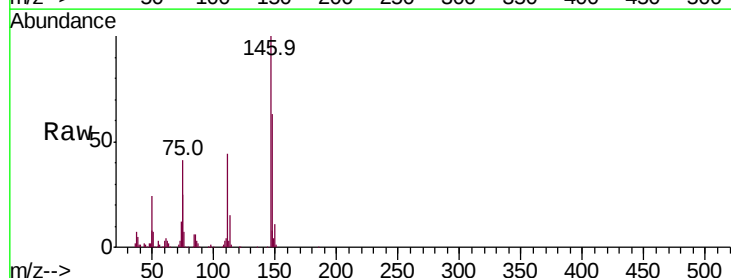
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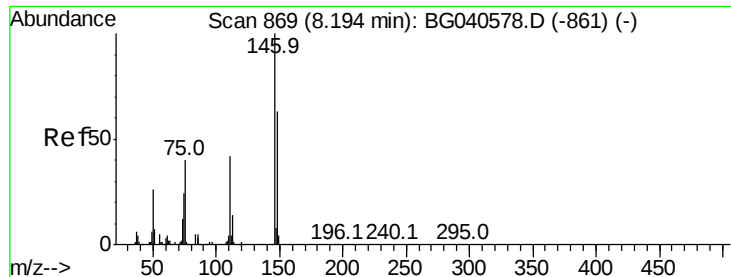
Sohil
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#12
1,3-Dichlorobenzene
Concen: 47.723 ng
RT: 8.03 min Scan# 841
Delta R.T. -0.01 min
Lab File: BG040716.D
Acq: 2 May 2019 20:54

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	160304		
148	63.4	50.7	76.1	
75	41.4	33.4	50.2	





#13

1,4-Dichlorobenzene

Concen: 48.177 ng

RT: 8.18 min Scan# 867

Delta R.T. -0.01 min

Lab File: BG040716.D

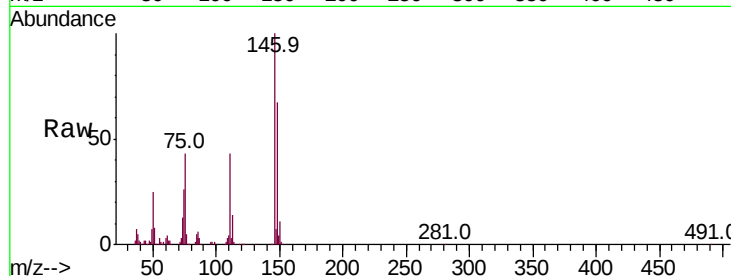
Acq: 2 May 2019 20:54

Instrument :
BNA_G
ClientSampleId :
TR-04-043019MSD

Tot Ion	Ratio	Lower	Upper
146	100		
148	66.7	50.6	75.8
111	42.9	34.3	51.5

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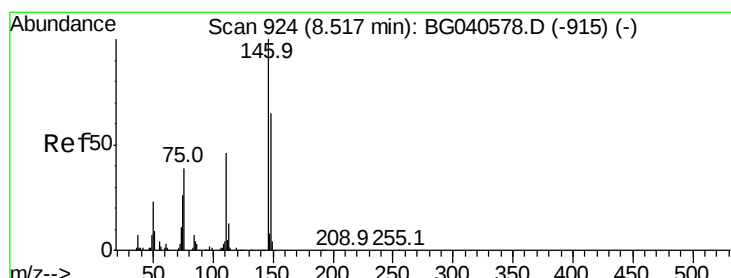
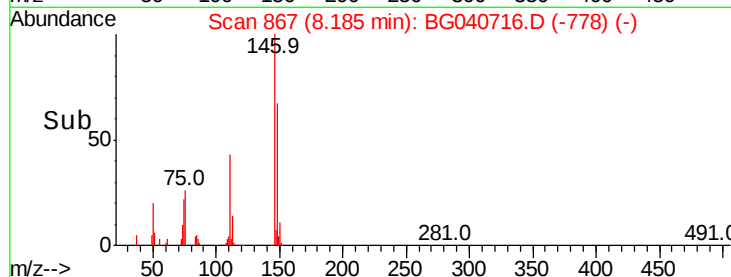
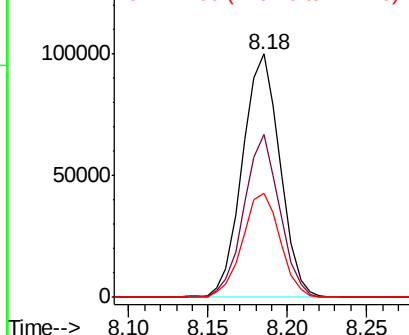


Abundance

Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E



#14

1,2-Dichlorobenzene

Concen: 48.712 ng

RT: 8.50 min Scan# 921

Delta R.T. -0.01 min

Lab File: BG040716.D

Acq: 2 May 2019 20:54

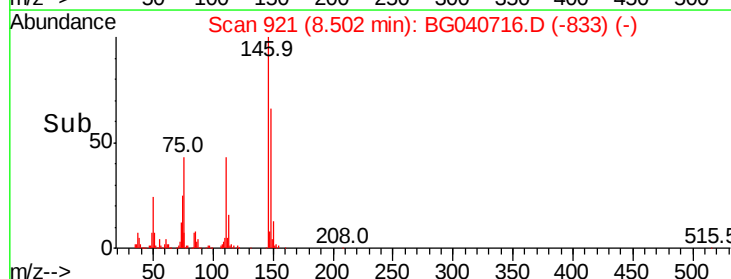
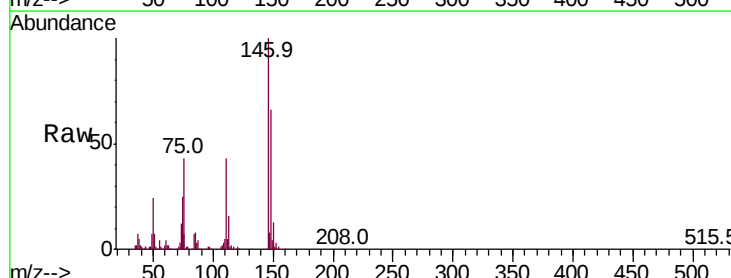
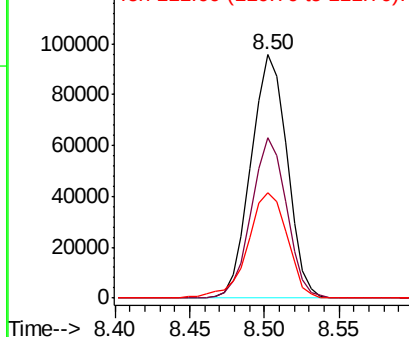
Tgt Ion	Ratio	Lower	Upper
146	100		
148	66.0	52.2	78.4
111	43.4	37.4	56.0

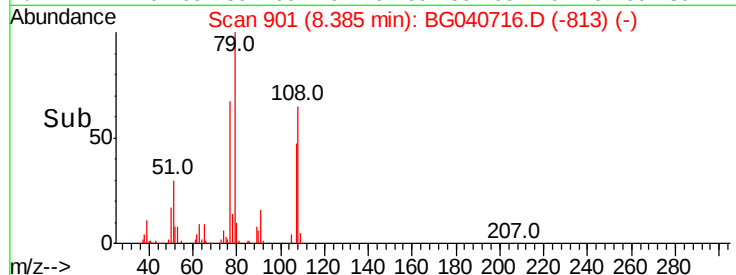
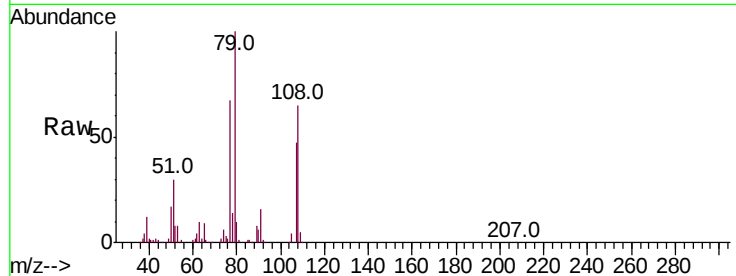
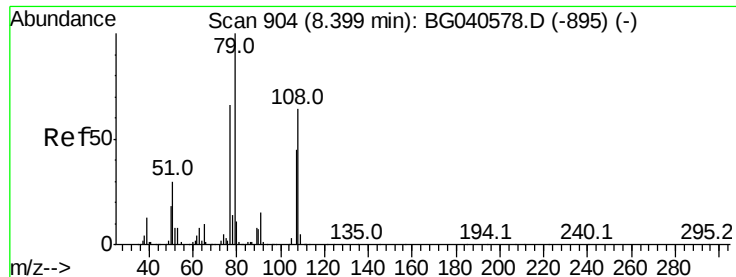
Abundance

Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E





#15

Benzyl Alcohol

Concen: 50.049 ng

RT: 8.38 min Scan# 901

Delta R.T. -0.01 min

Lab File: BG040716.D

Acq: 2 May 2019 20:54

Tot Ion	Ratio	Lower	Upper
79	100		
108	65.4	51.4	77.0
77	67.1	52.6	79.0

Instrument :

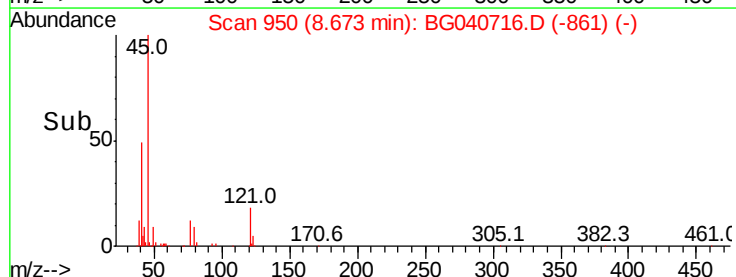
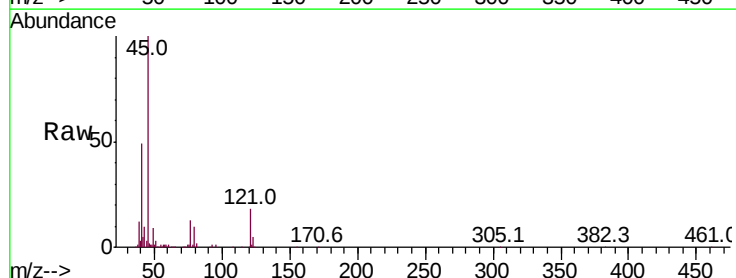
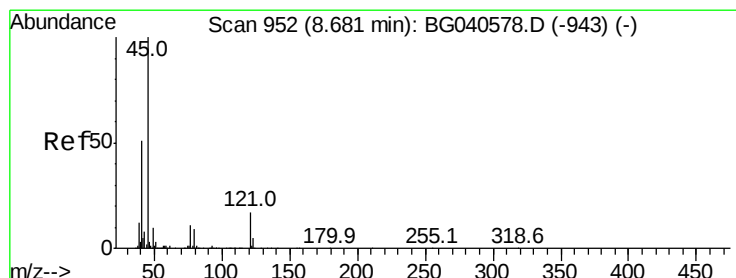
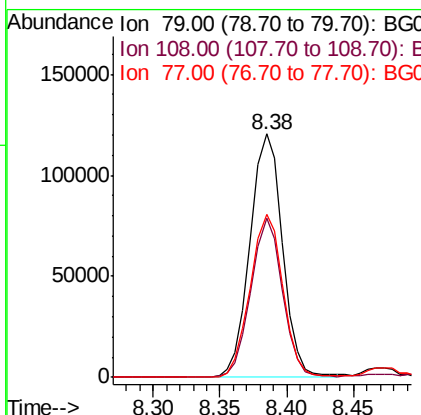
BNA_G

ClientSampleId :

TR-04-043019MSD

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#16

2,2'-oxybis(1-Chloropropane)

Concen: 43.902 ng

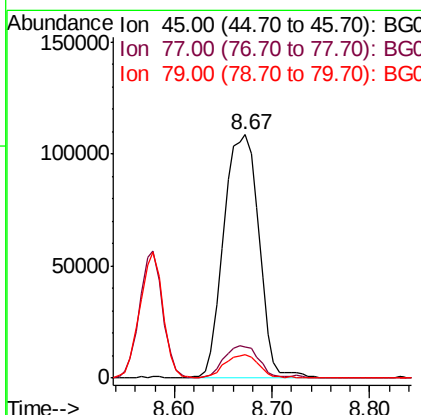
RT: 8.67 min Scan# 950

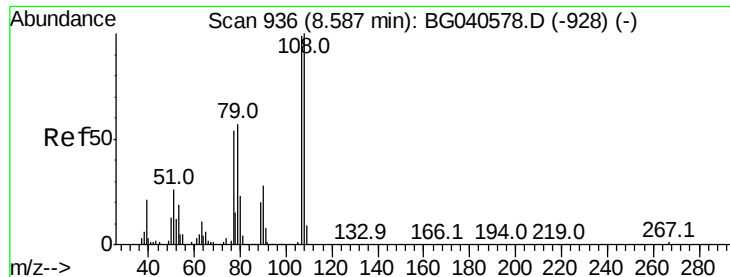
Delta R.T. -0.01 min

Lab File: BG040716.D

Acq: 2 May 2019 20:54

Tgt Ion	Ratio	Lower	Upper
45	100		
77	12.9	0.0	31.5
79	9.8	0.0	29.4





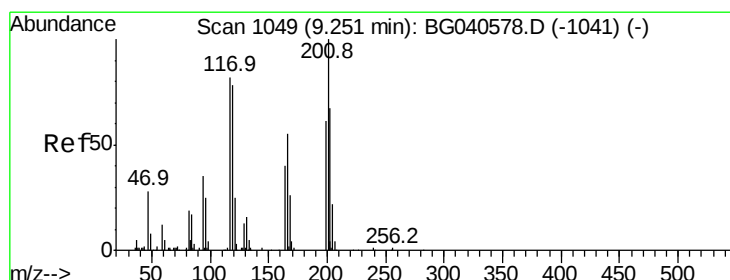
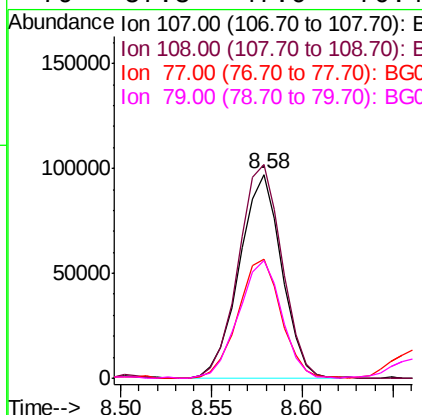
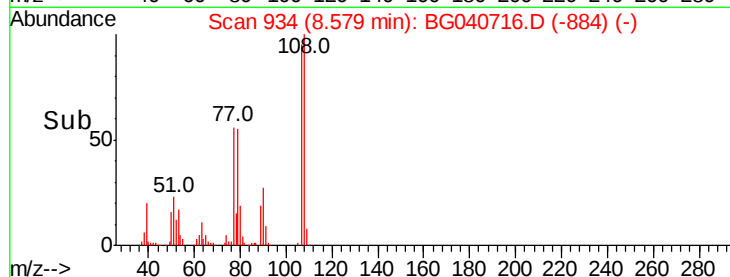
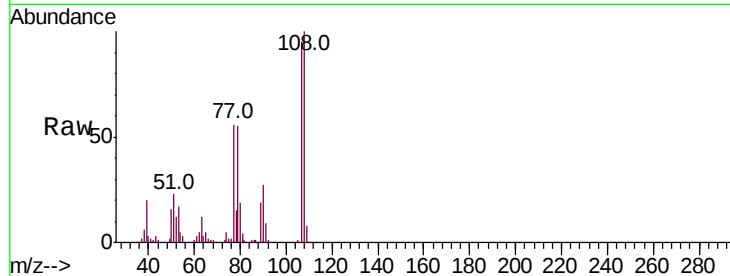
#17
2-Methylphenol
Concen: 53.662 ng
RT: 8.58 min Scan# 934
Delta R.T. -0.01 min
Lab File: BG040716.D
Acq: 2 May 2019 20:54

Instrument :
BNA_G
ClientSampleId :
TR-04-043019MSD

Tot Ion	Ratio	Resp	Lower	Upper
107	100			
108	104.7	81.2	121.8	
77	58.3	44.4	66.6	
79	57.8	47.0	70.4	

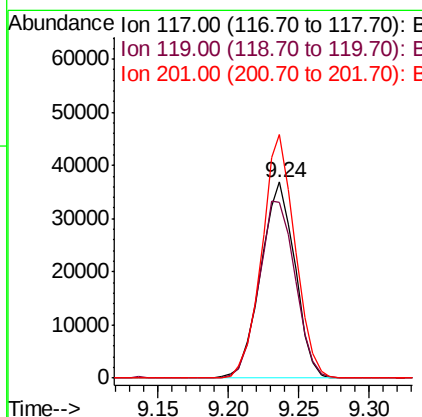
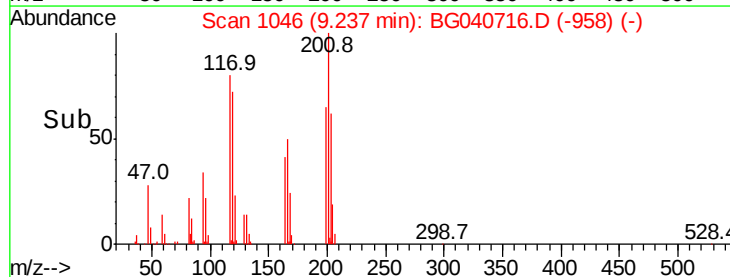
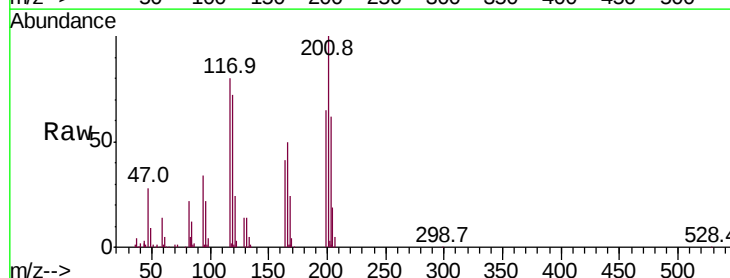
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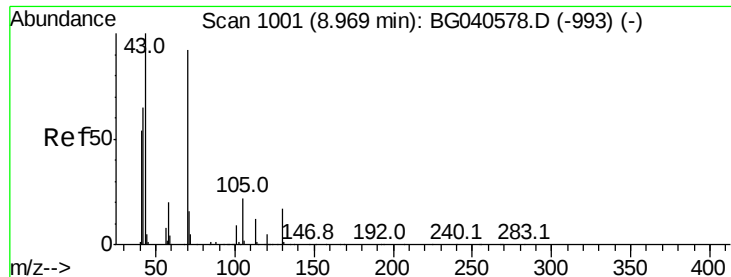
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#18
Hexachloroethane
Concen: 44.870 ng
RT: 9.24 min Scan# 1046
Delta R.T. -0.01 min
Lab File: BG040716.D
Acq: 2 May 2019 20:54

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	89.9	76.6	114.8	
201	124.4	101.0	151.6	





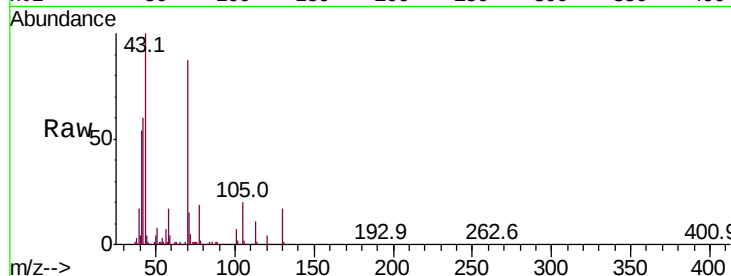
#19
n-Nitroso-di-n-propylamine
Concen: 44.795 ng
RT: 8.95 min Scan# 998
Delta R.T. -0.01 min
Lab File: BG040716.D
Acq: 2 May 2019 20:54

Instrument :
BNA_G
ClientSampleId :
TR-04-043019MSD

Tot Ion	Ratio	Lower	Upper
70	100		
42	68.7	57.1	85.7
101	8.5	7.8	11.8
130	19.6	14.6	21.8

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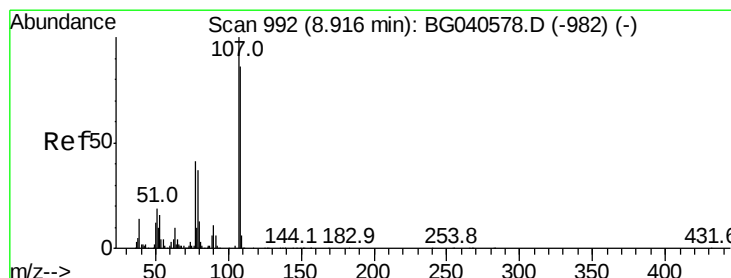
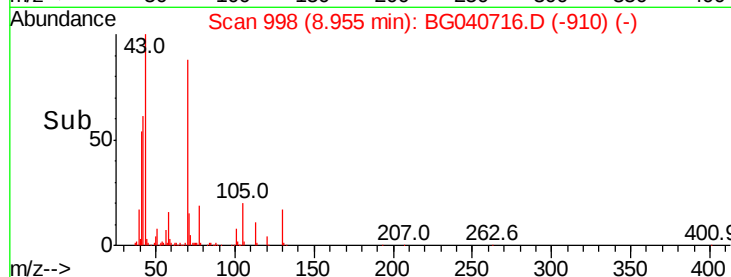
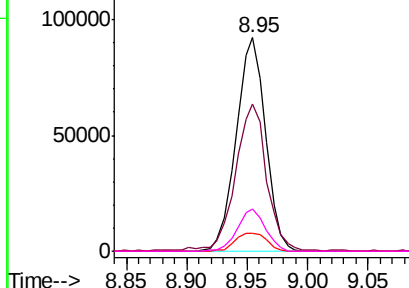
Abundance

Ion 70.00 (69.70 to 70.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 101.00 (100.70 to 101.70): BGC

Ion 130.00 (129.70 to 130.70): BGC



#20
3+4-Methylphenols
Concen: 53.177 ng
RT: 8.91 min Scan# 990
Delta R.T. -0.01 min
Lab File: BG040716.D
Acq: 2 May 2019 20:54

Tgt Ion	Ratio	Lower	Upper
107	100		
108	89.2	66.1	106.1
77	42.3	21.6	61.6
79	36.6	17.4	57.4

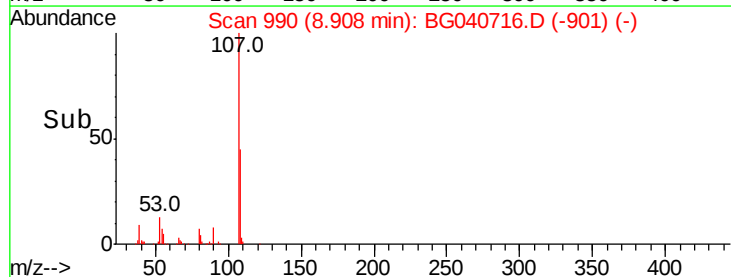
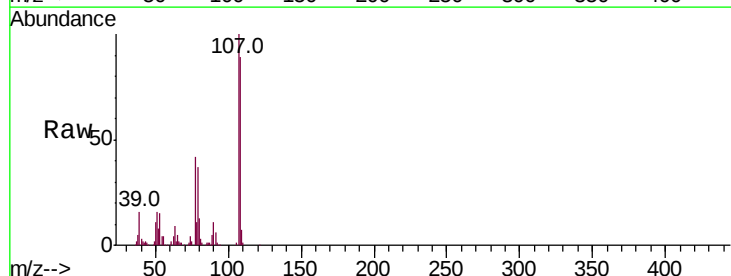
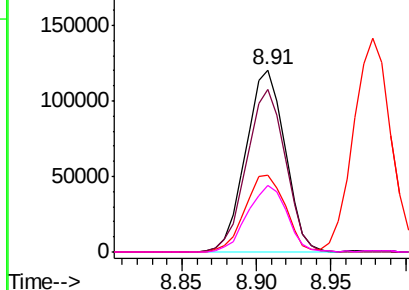
Abundance

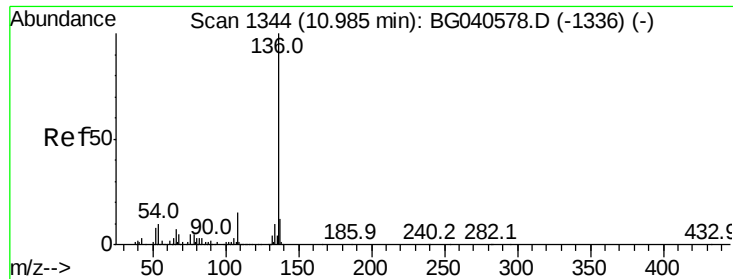
Ion 107.00 (106.70 to 107.70): BGC

Ion 108.00 (107.70 to 108.70): BGC

Ion 77.00 (76.70 to 77.70): BGC

Ion 79.00 (78.70 to 79.70): BGC





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.97 min Scan# 1341

Delta R.T. -0.01 min

Lab File: BG040716.D

Acq: 2 May 2019 20:54

Instrument :

BNA_G

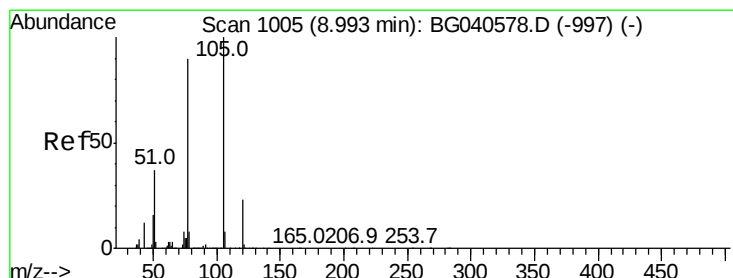
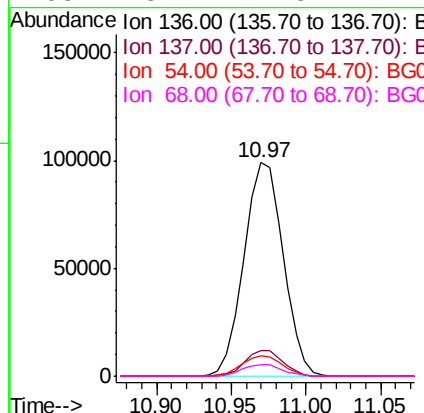
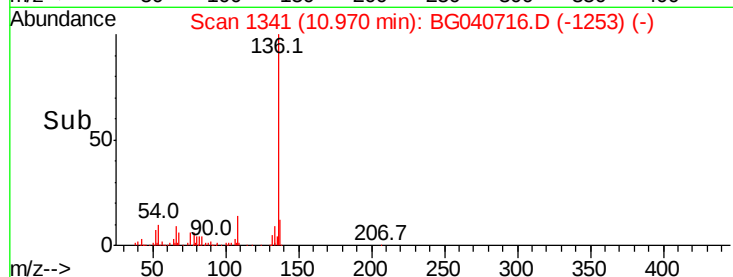
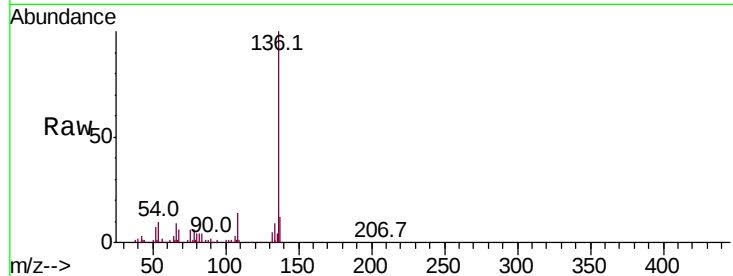
ClientSampleId :

TR-04-043019MSD

Tot Ion	Ratio	Resp	Lower	Upper
136	100	180500		
137	11.8		9.7	14.5
54	9.7		8.6	12.8
68	5.7		4.8	7.2

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#22

Acetophenone

Concen: 55.797 ng

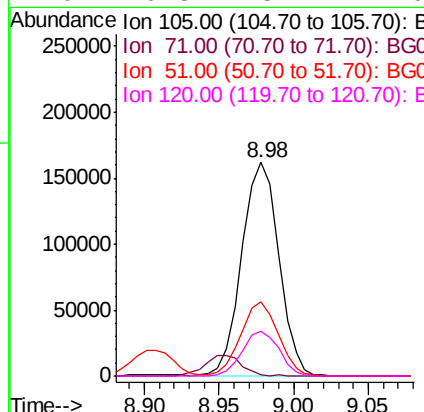
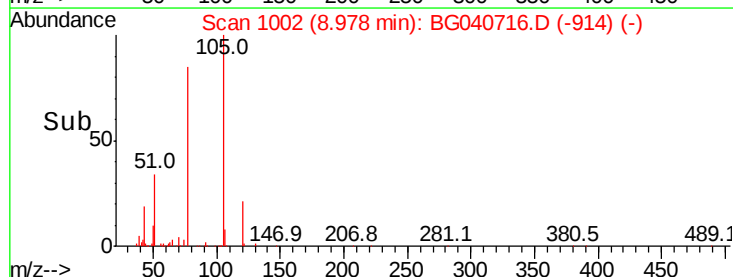
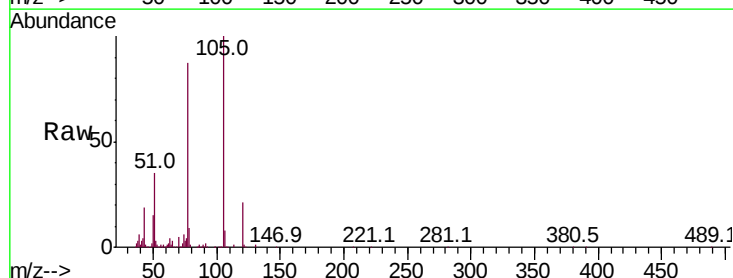
RT: 8.98 min Scan# 1002

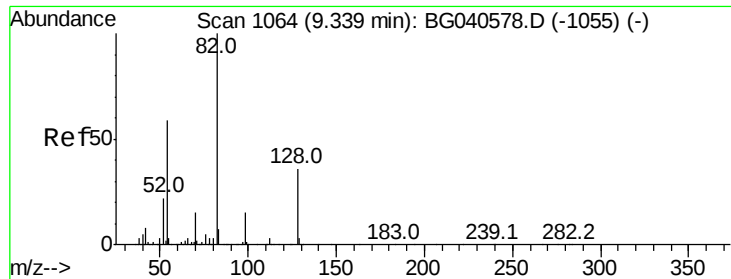
Delta R.T. -0.01 min

Lab File: BG040716.D

Acq: 2 May 2019 20:54

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	280057		
71	0.4		1.8	2.8#
51	34.8		29.8	44.8
120	20.8		18.4	27.6





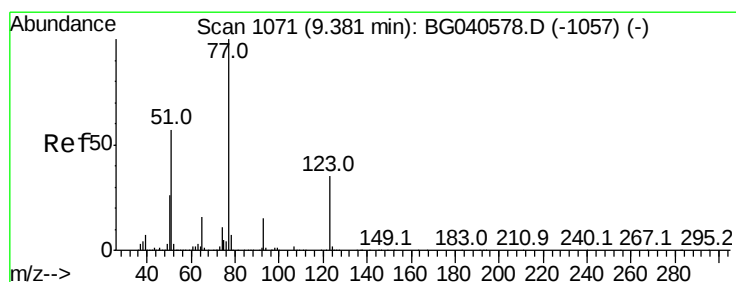
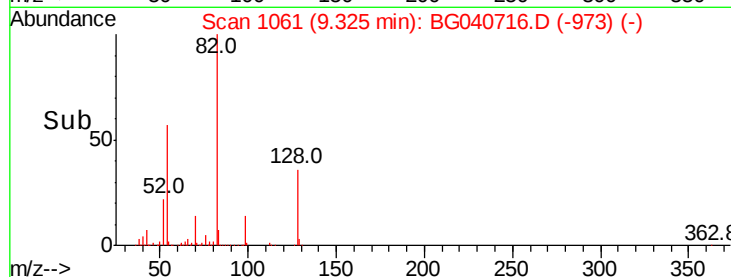
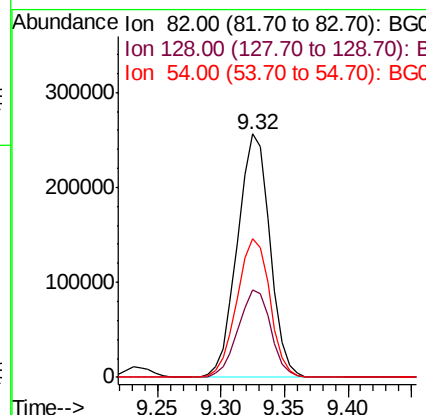
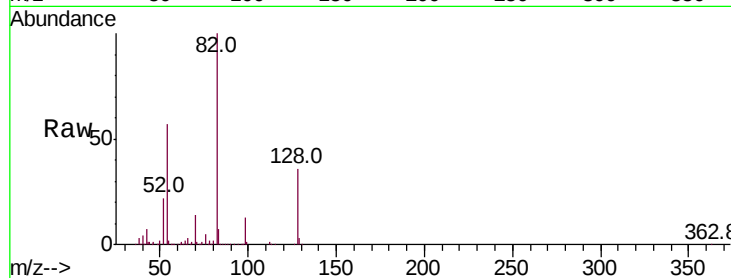
#23
Nitrobenzene-d5
Concen: 116.454 ng
RT: 9.32 min Scan# 1061
Delta R.T. -0.01 min
Lab File: BG040716.D
Acq: 2 May 2019 20:54

Instrument :
BNA_G
ClientSampleId :
TR-04-043019MSD

Tot Ion	Ratio	Lower	Upper
82	100		
128	35.8	28.9	43.3
54	57.1	47.2	70.8

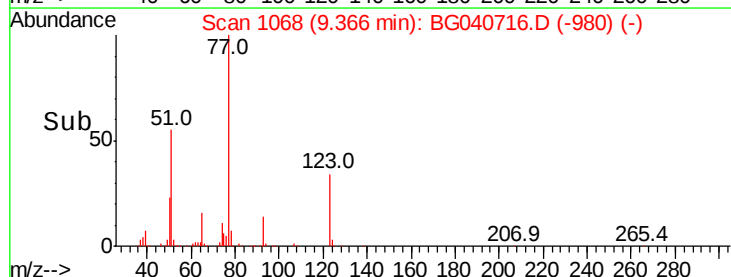
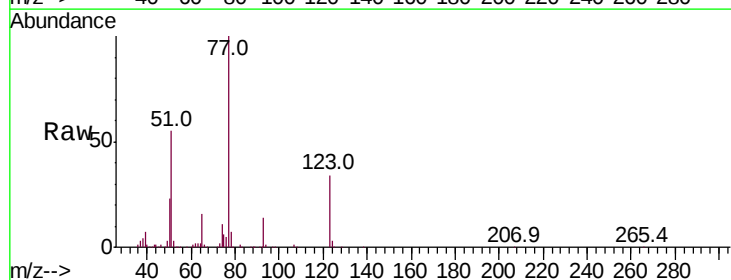
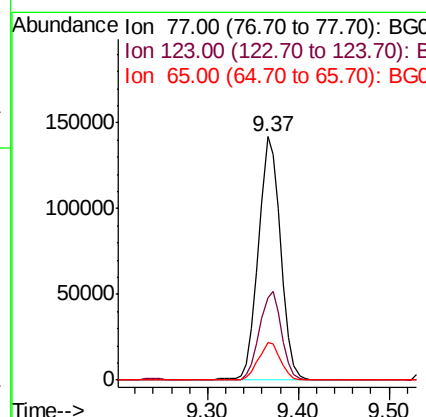
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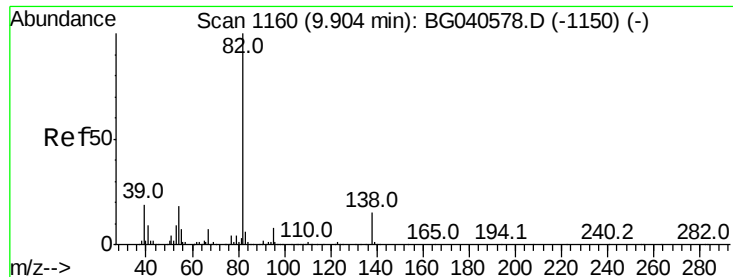
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#24
Nitrobenzene
Concen: 57.456 ng
RT: 9.37 min Scan# 1068
Delta R.T. -0.01 min
Lab File: BG040716.D
Acq: 2 May 2019 20:54

Tgt Ion	Ratio	Lower	Upper
77	100		
123	33.7	27.8	41.6
65	15.6	12.4	18.6





#25

Isophorone

Concen: 51.571 ng

RT: 9.88 min Scan# 1156

Delta R.T. -0.02 min

Lab File: BG040716.D

Acq: 2 May 2019 20:54

Instrument :

BNA_G

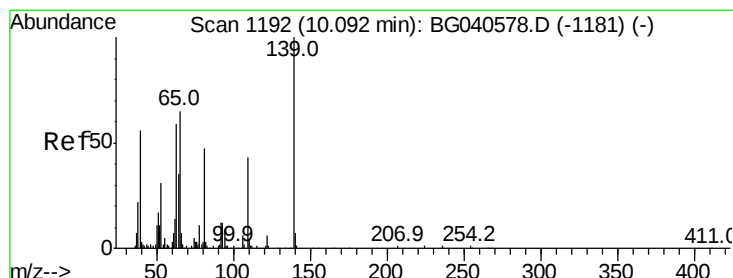
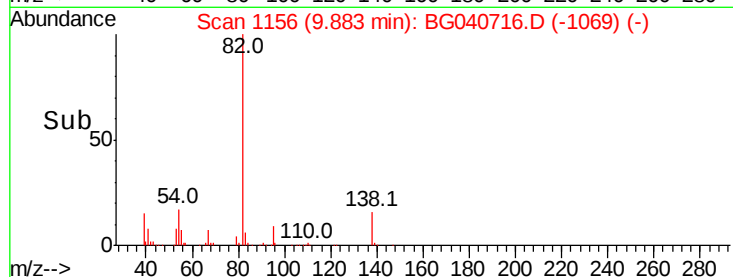
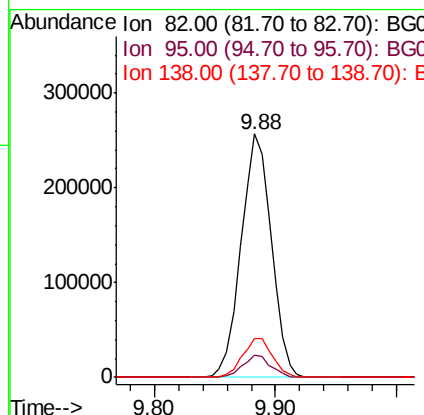
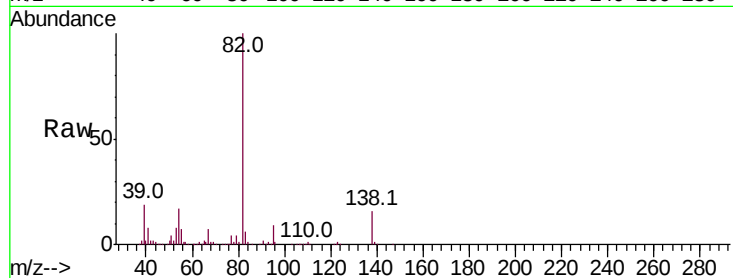
ClientSampleId :

TR-04-043019MSD

Tot Ion	82	Resp	448748
Ion Ratio	Lower	Upper	
82	100		
95	9.0	6.9	10.3
138	15.7	12.3	18.5

Manual Integrations
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#26

2-Nitrophenol

Concen: 62.918 ng

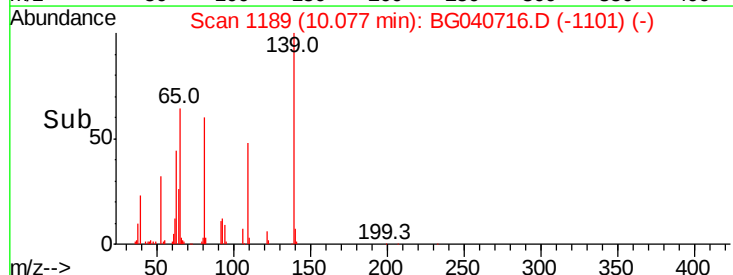
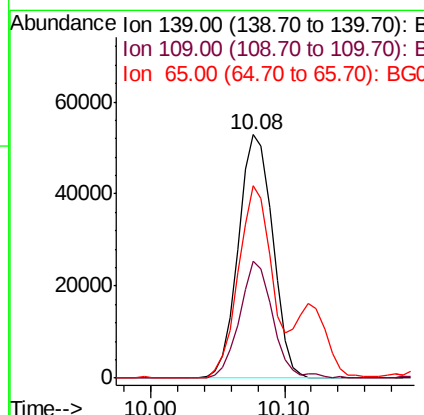
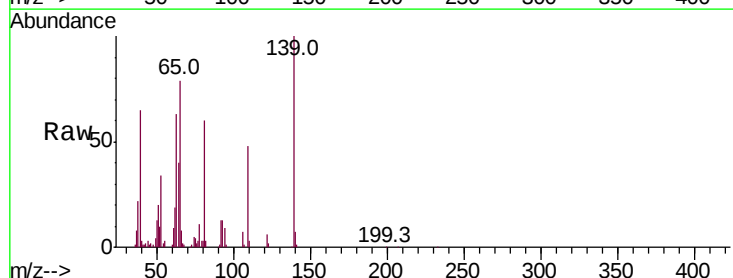
RT: 10.08 min Scan# 1189

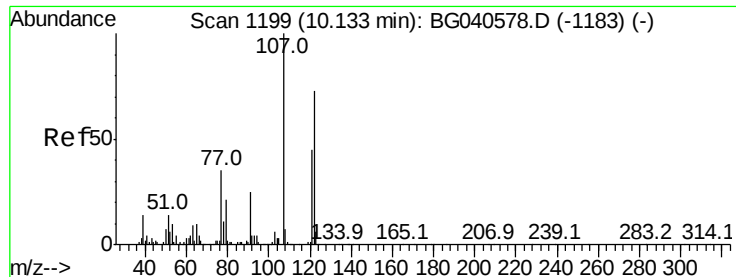
Delta R.T. -0.01 min

Lab File: BG040716.D

Acq: 2 May 2019 20:54

Tgt Ion	139	Resp	94001
Ion Ratio	Lower	Upper	
139	100		
109	48.1	35.6	53.4
65	79.2	52.3	78.5#





#27

2,4-Dimethylphenol

Concen: 65.264 ng

RT: 10.12 min Scan# 1196

Delta R.T. -0.01 min

Lab File: BG040716.D

Acq: 2 May 2019 20:54

Instrument :

BNA_G

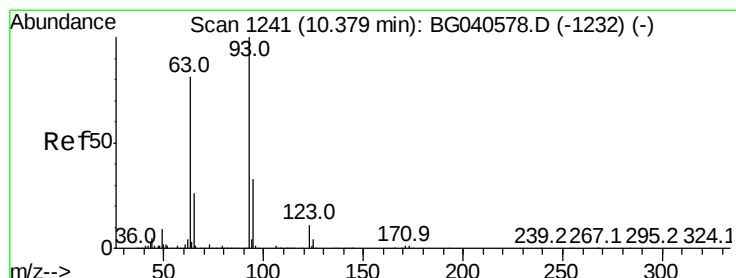
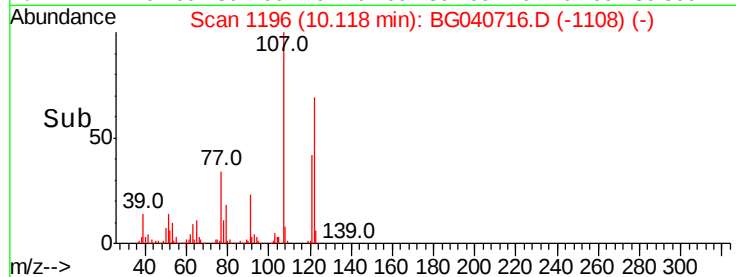
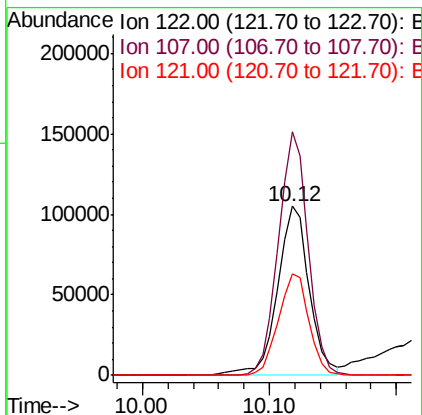
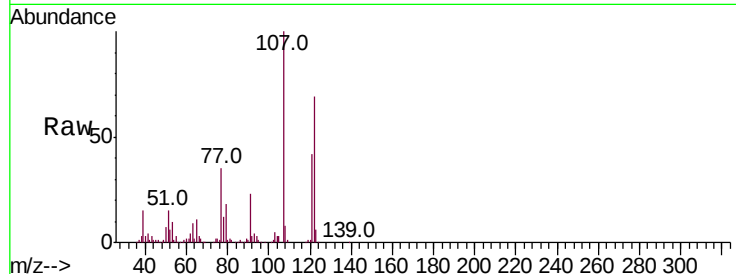
ClientSampleId :

TR-04-043019MSD

Tot Ion:	122	Resp:	182946
Ion Ratio	Lower	Upper	
122	100		
107	144.1	110.1	165.1
121	59.9	49.4	74.0

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#28

bis(2-Chloroethoxy)methane

Concen: 51.210 ng

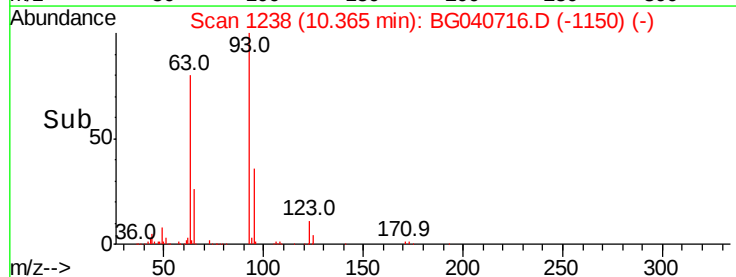
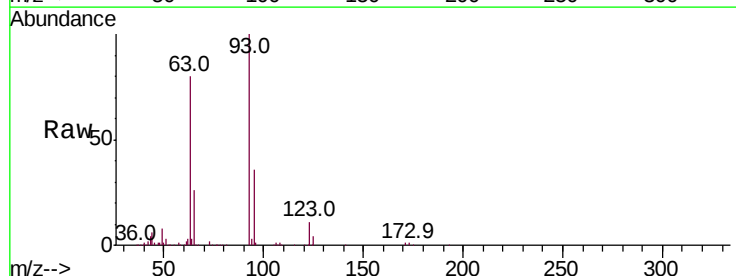
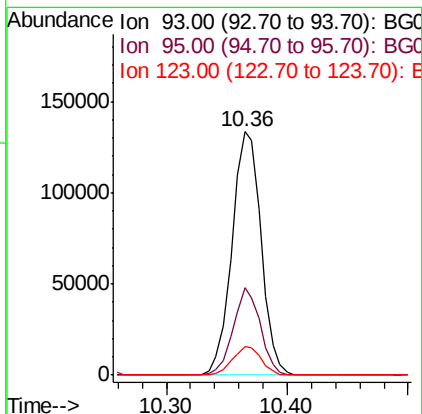
RT: 10.36 min Scan# 1238

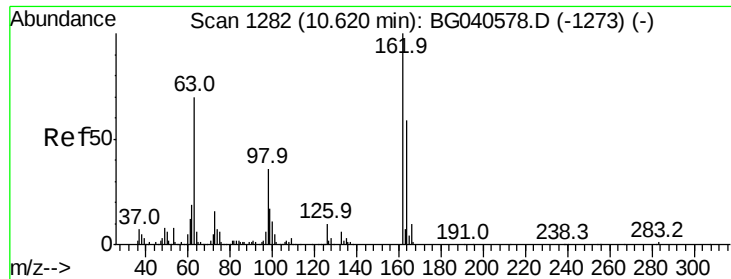
Delta R.T. -0.01 min

Lab File: BG040716.D

Acq: 2 May 2019 20:54

Tgt Ion:	93	Resp:	223568
Ion Ratio	Lower	Upper	
93	100		
95	35.7	26.6	40.0
123	11.5	9.0	13.4





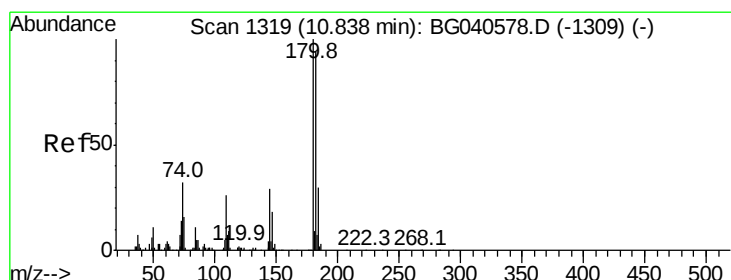
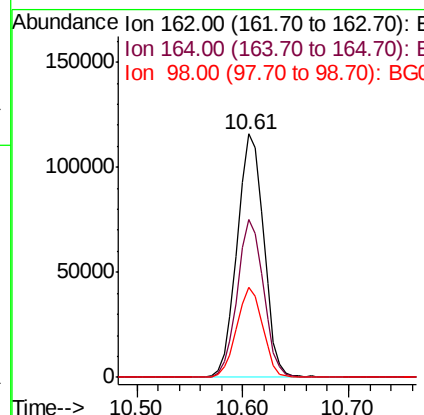
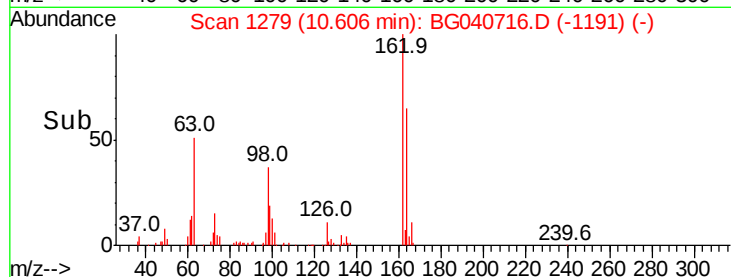
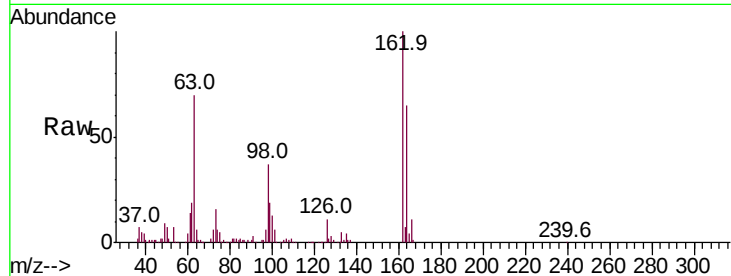
#29
 2,4-Dichlorophenol
 Concen: 63.256 ng
 RT: 10.61 min Scan# 1279
 Delta R.T. -0.01 min
 Lab File: BG040716.D
 Acq: 2 May 2019 20:54

Instrument :
 BNA_G
 ClientSampleId :
 TR-04-043019MSD

Tot Ion	Ratio	Resp	Lower	Upper
162	100	201588		
164	64.7	38.9	78.9	
98	36.8	16.8	56.8	

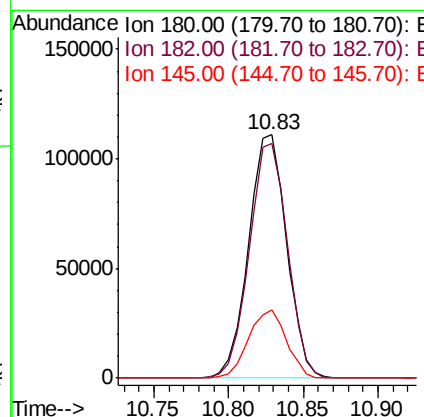
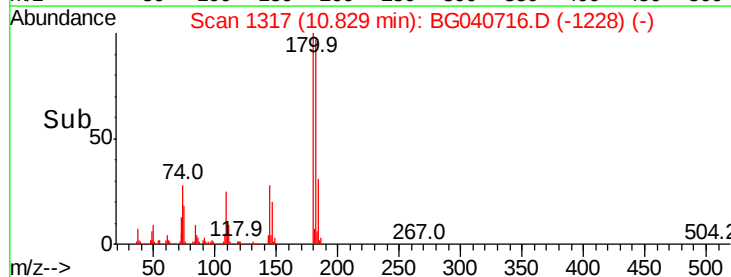
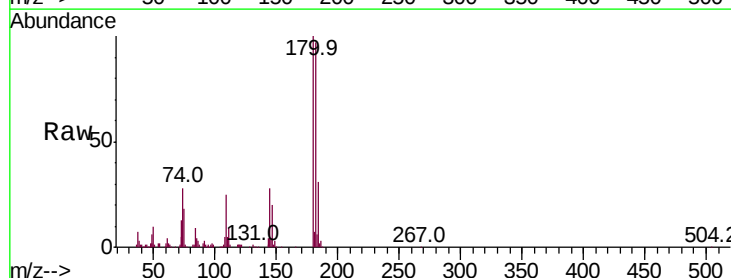
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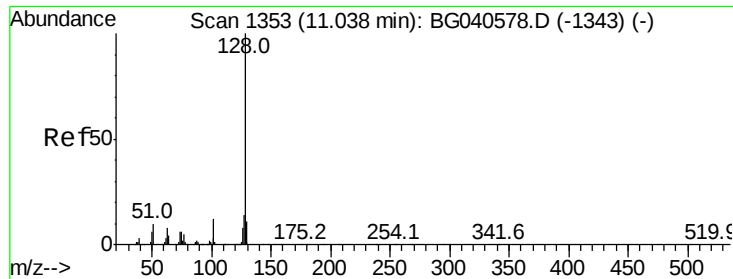
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#30
 1,2,4-Trichlorobenzene
 Concen: 55.328 ng
 RT: 10.83 min Scan# 1317
 Delta R.T. -0.01 min
 Lab File: BG040716.D
 Acq: 2 May 2019 20:54

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	195530		
182	96.6	75.2	112.8	
145	28.2	23.6	35.4	





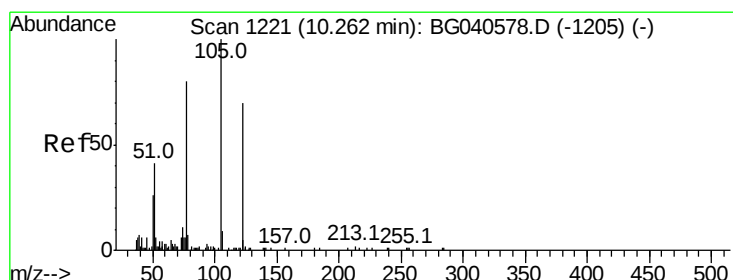
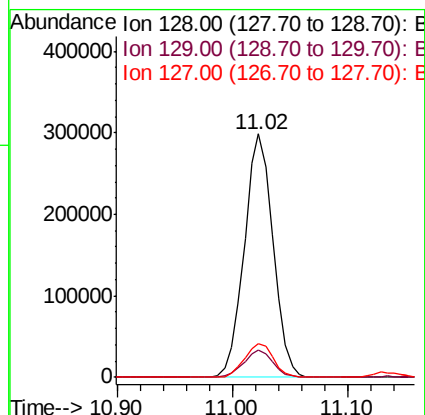
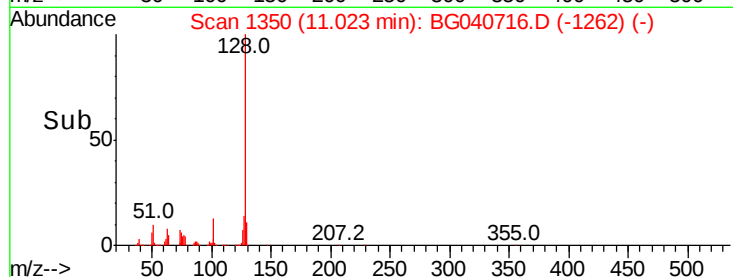
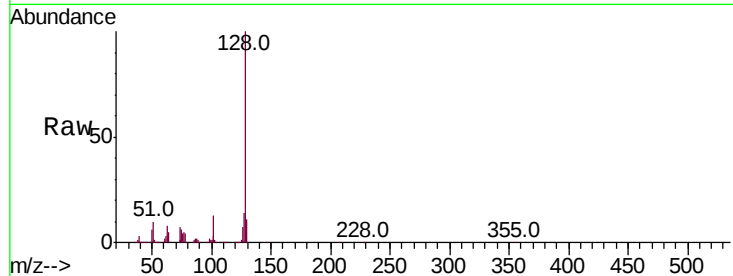
#31
Naphthalene
Concen: 53.676 ng
RT: 11.02 min Scan# 1350
Delta R.T. -0.01 min
Lab File: BG040716.D
Acq: 2 May 2019 20:54

Instrument :
BNA_G
ClientSampleId :
TR-04-043019MSD

Tot Ion	Ratio	Resp	Lower	Upper
128	100	514718		
129	11.0		9.0	13.6
127	13.6		11.3	16.9

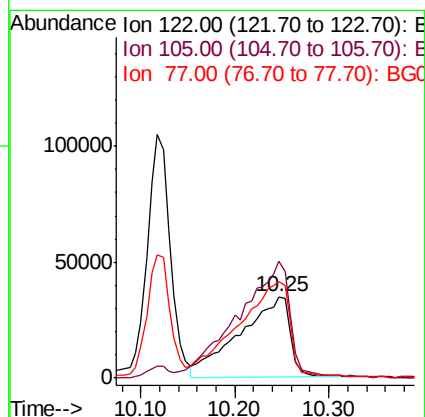
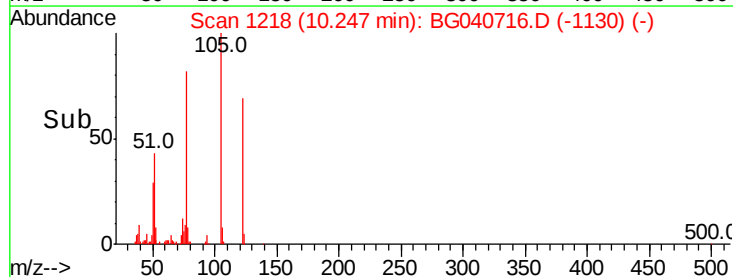
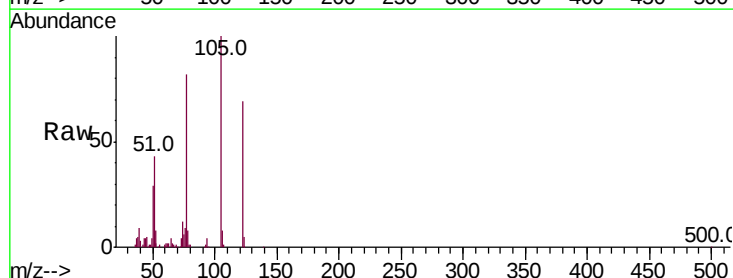
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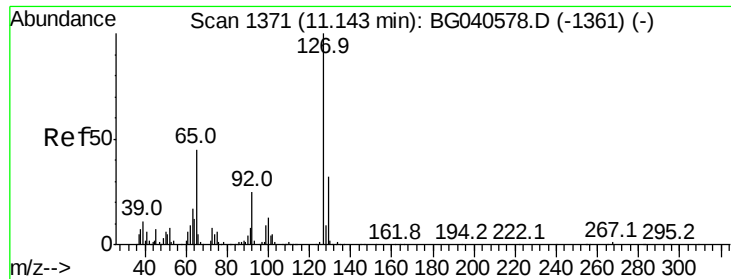
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#32
Benzoic acid
Concen: 67.162 ng
RT: 10.25 min Scan# 1218
Delta R.T. -0.01 min
Lab File: BG040716.D
Acq: 2 May 2019 20:54

Tgt Ion	Ratio	Resp	Lower	Upper
122	100	128884		
105	144.1		110.9	150.9
77	117.6		87.6	127.6





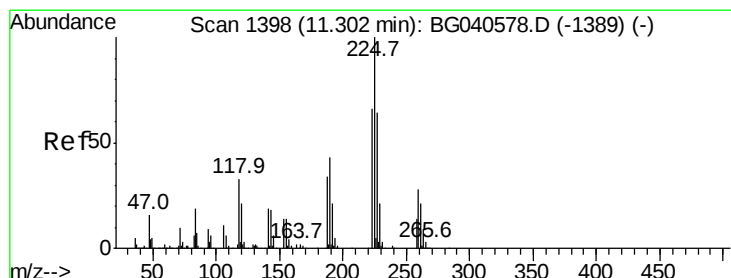
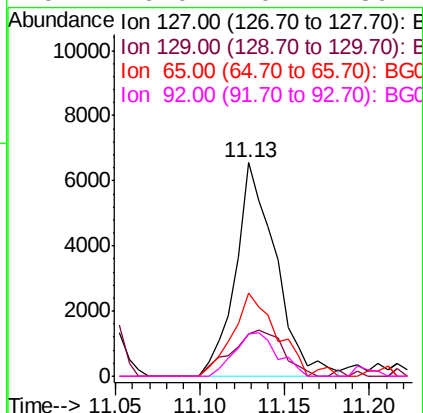
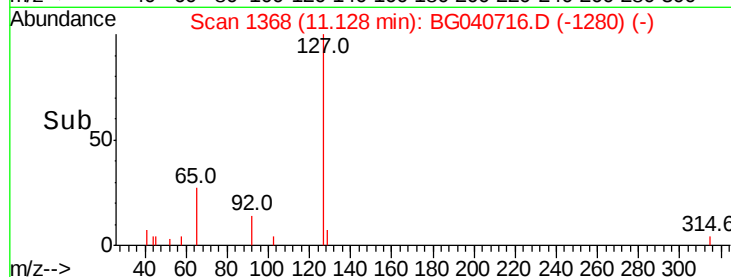
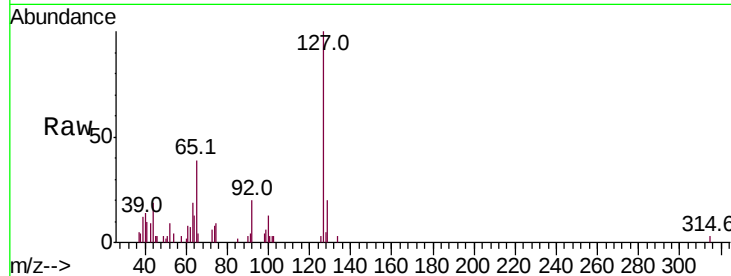
#33
4-Chloroaniline
Concen: 2.561 ng
RT: 11.13 min Scan# 1368
Delta R.T. -0.01 min
Lab File: BG040716.D
Acq: 2 May 2019 20:54

Instrument :
BNA_G
ClientSampleId :
TR-04-043019MSD

Tot Ion	Ratio	Resp Lower	Upper
127	100		
129	19.6	25.7	38.5#
65	39.1	36.1	54.1
92	20.0	20.1	30.1#

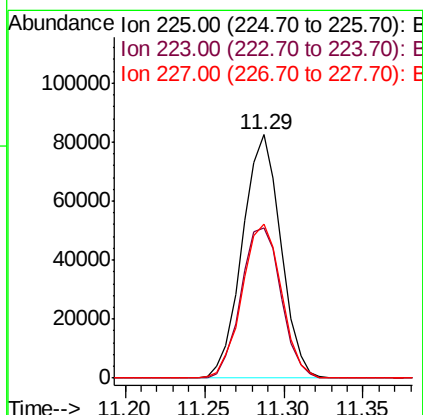
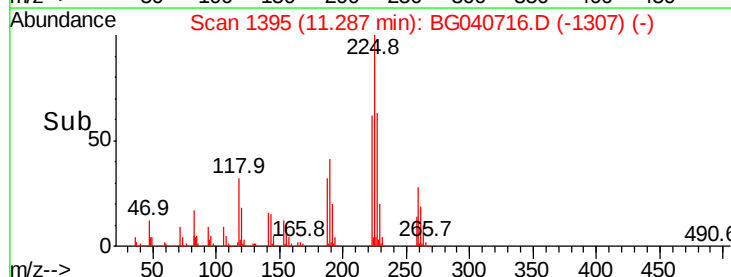
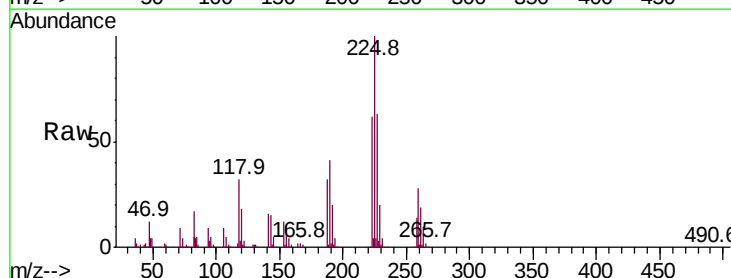
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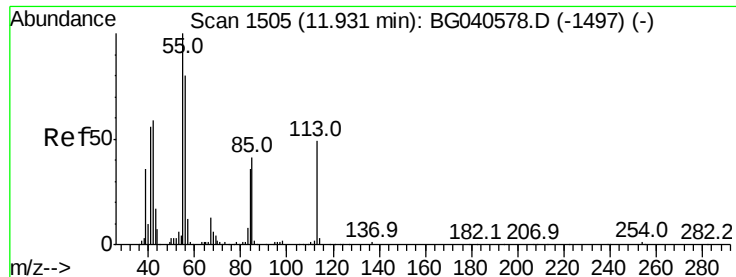
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#34
Hexachlorobutadiene
Concen: 53.295 ng
RT: 11.29 min Scan# 1395
Delta R.T. -0.01 min
Lab File: BG040716.D
Acq: 2 May 2019 20:54

Tgt Ion	Ratio	Resp Lower	Upper
225	100		
223	59.3	50.4	75.6
227	60.5	51.0	76.6





#35

Caprolactam

Concen: 50.661 ng/mL

RT: 11.91 min Scan# 1501

Delta R.T. -0.02 min

Lab File: BG040716.D

Acq: 2 May 2019 20:54

Instrument :

BNA_G

ClientSampleId :

TR-04-043019MSD

Tot Ion:113 Resp: 63741

Ion Ratio Lower Upper

113 100

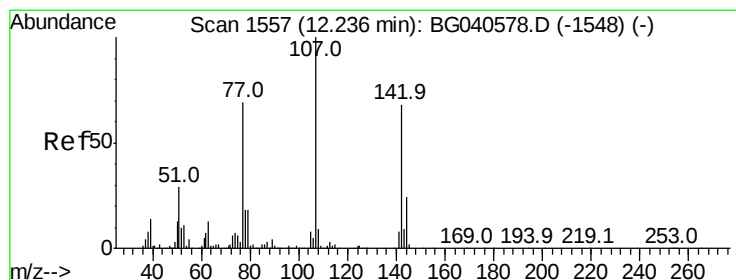
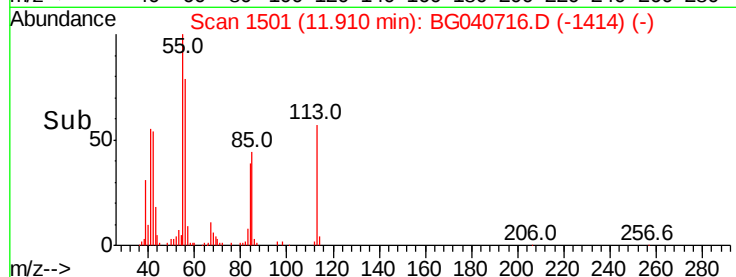
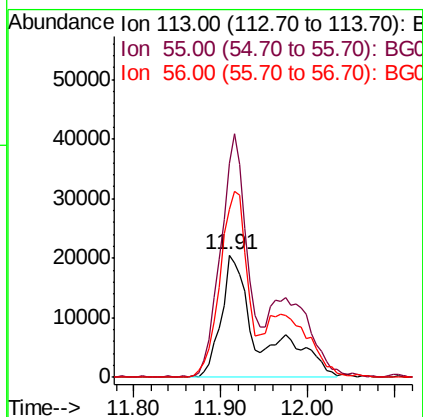
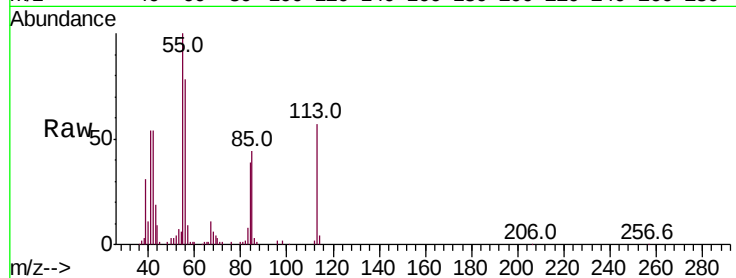
55 174.8 198.6 238.6#

56 137.1 148.4 188.4#

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#36

4-Chloro-3-methylphenol

Concen: 64.450 ng/mL

RT: 12.23 min Scan# 1555

Delta R.T. -0.01 min

Lab File: BG040716.D

Acq: 2 May 2019 20:54

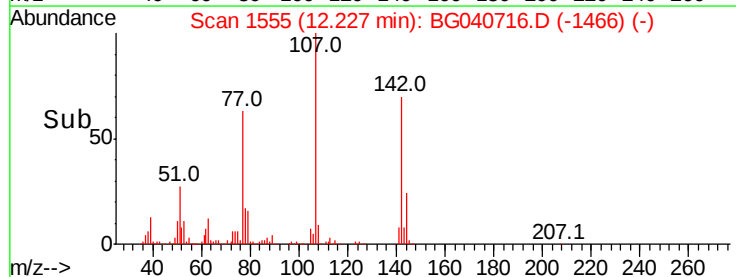
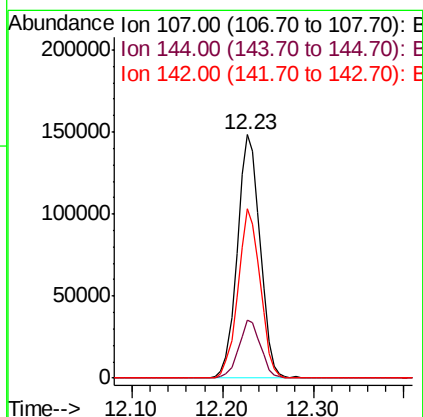
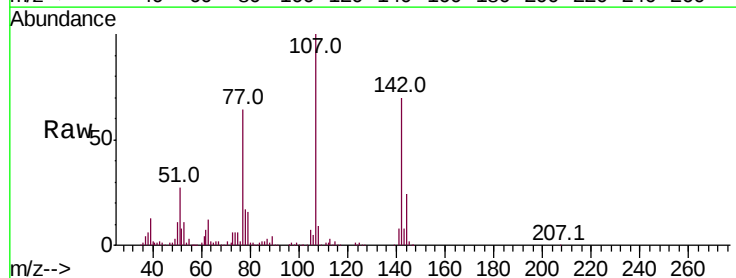
Tgt Ion:107 Resp: 259106

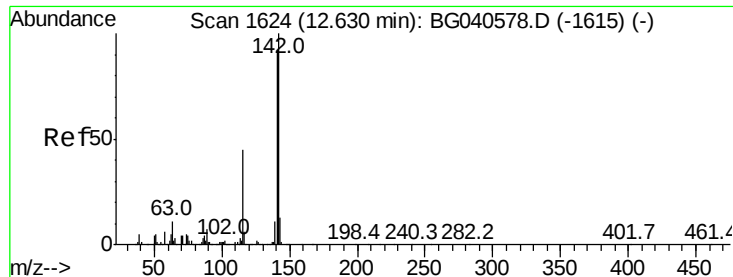
Ion Ratio Lower Upper

107 100

144 23.8 19.3 28.9

142 69.7 54.6 81.8





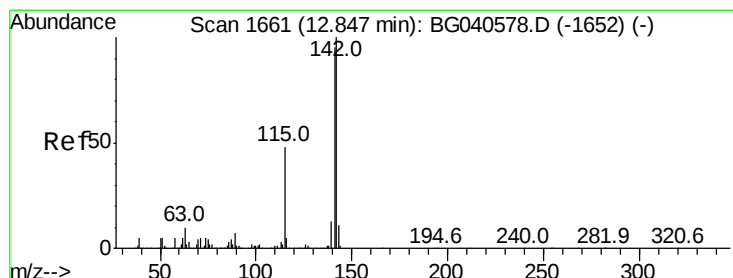
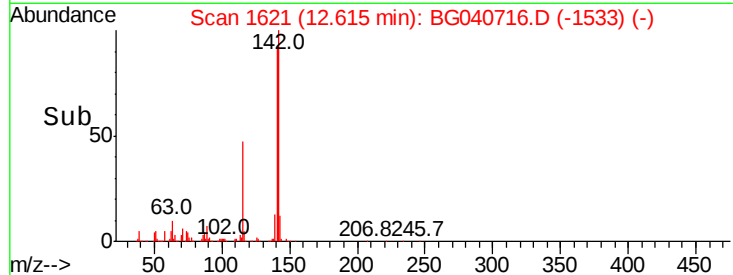
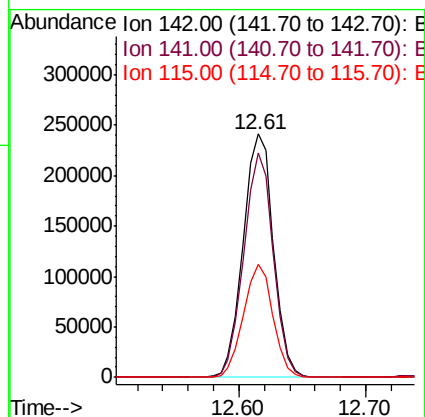
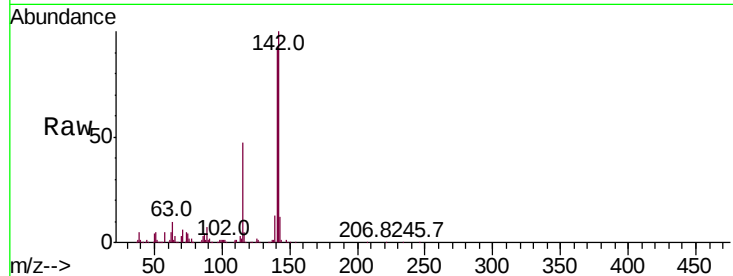
#37
2-Methylnaphthalene
Concen: 55.633 ng
RT: 12.61 min Scan# 1621
Delta R.T. -0.01 min
Lab File: BG040716.D
Acq: 2 May 2019 20:54

Instrument :
BNA_G
ClientSampleId :
TR-04-043019MSD

Tot Ion:	142	Resp:	398874
Ion Ratio	Lower	Upper	
142	100		
141	92.0	73.4	110.2
115	46.7	36.2	54.4

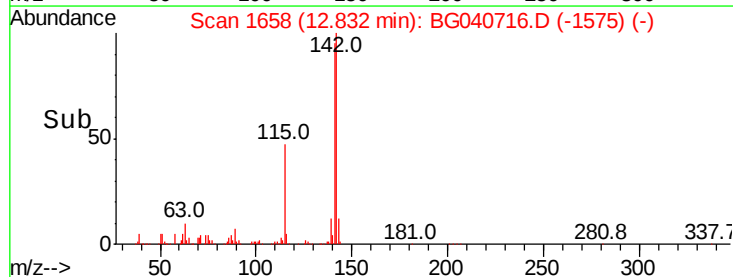
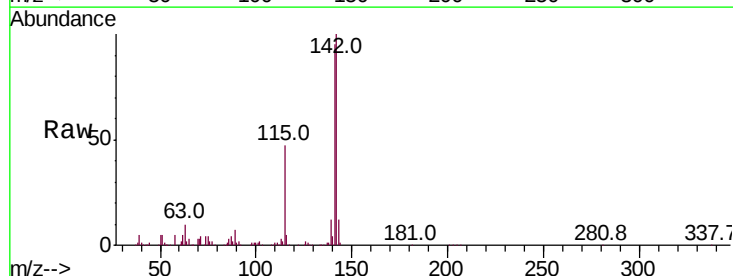
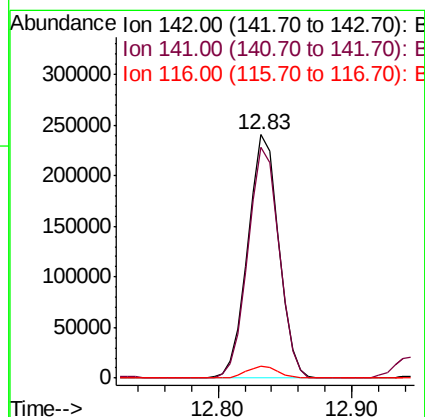
Manual Integrations
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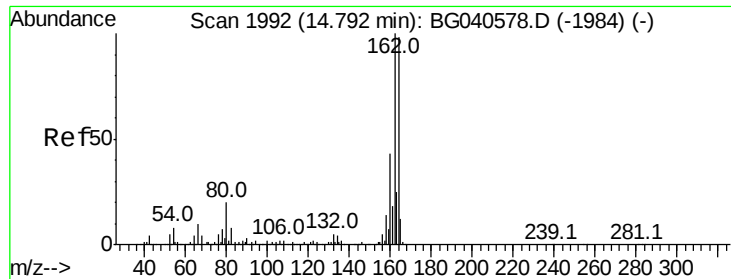
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#38
1-Methylnaphthalene
Concen: 54.683 ng
RT: 12.83 min Scan# 1658
Delta R.T. -0.01 min
Lab File: BG040716.D
Acq: 2 May 2019 20:54

Tgt Ion:	142	Resp:	383224
Ion Ratio	Lower	Upper	
142	100		
141	94.8	75.9	113.9
116	4.9	4.2	6.4





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.78 min Scan# 1989

Delta R.T. -0.01 min

Lab File: BG040716.D

Acq: 2 May 2019 20:54

Instrument :

BNA_G

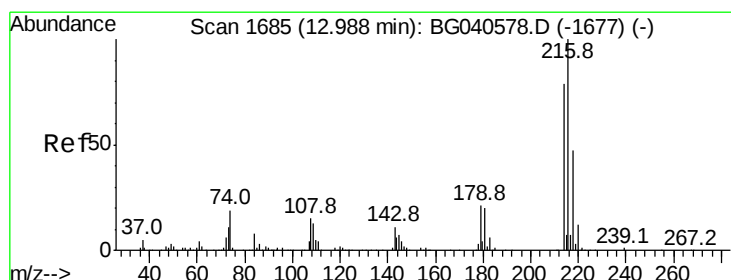
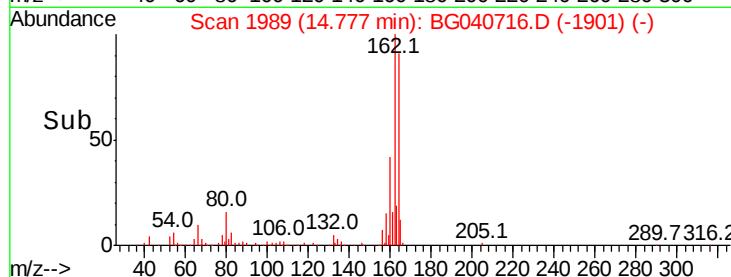
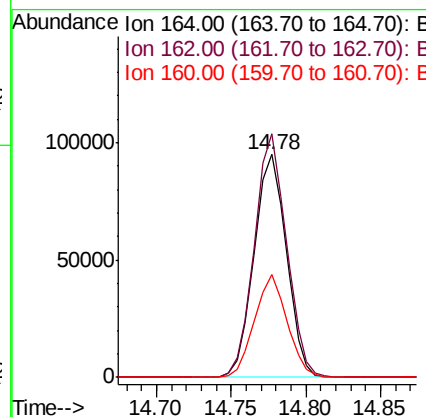
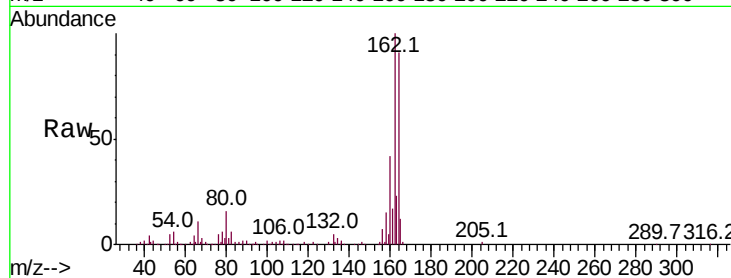
ClientSampleId :

TR-04-043019MSD

Tot Ion:	164	Resp:	142018
Ion Ratio	Lower	Upper	
164	100		
162	109.3	81.9	122.9
160	46.2	35.4	53.2

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#40

1,2,4,5-Tetrachlorobenzene

Concen: 51.444 ng

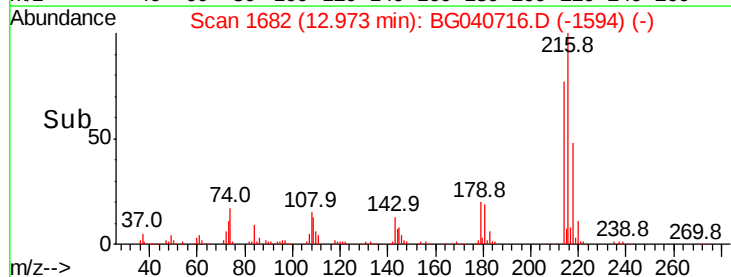
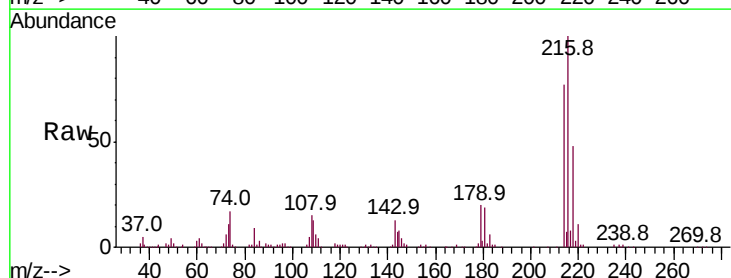
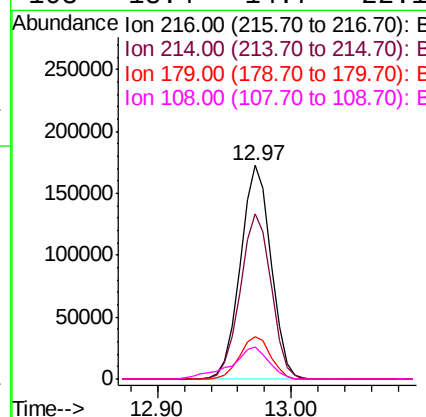
RT: 12.97 min Scan# 1682

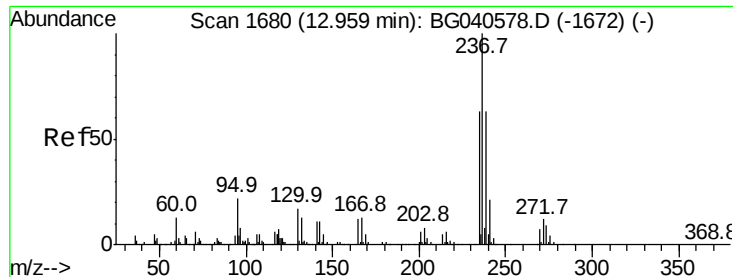
Delta R.T. -0.01 min

Lab File: BG040716.D

Acq: 2 May 2019 20:54

Tgt Ion:	216	Resp:	272168
Ion Ratio	Lower	Upper	
216	100		
214	78.0	63.7	95.5
179	20.0	16.6	24.8
108	18.4	14.7	22.1





#41

Hexachlorocyclopentadiene

Concen: 100.909 ng

RT: 12.94 min Scan# 1677

Delta R.T. -0.01 min

Lab File: BG040716.D

Acq: 2 May 2019 20:54

Instrument :

BNA_G

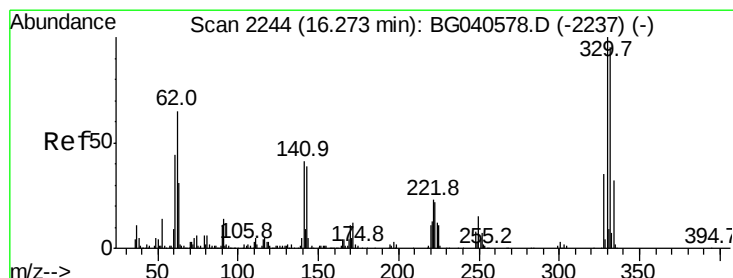
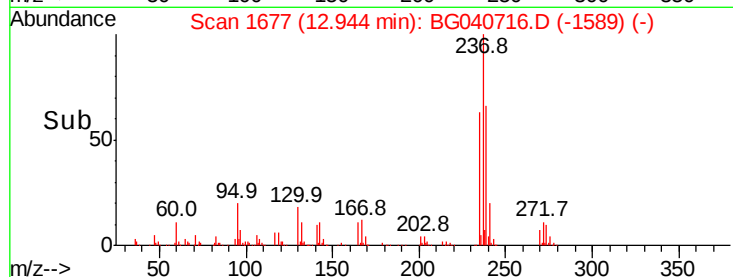
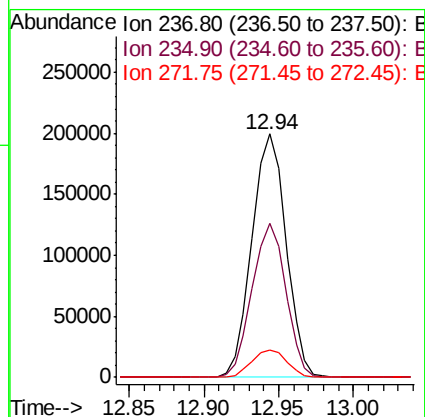
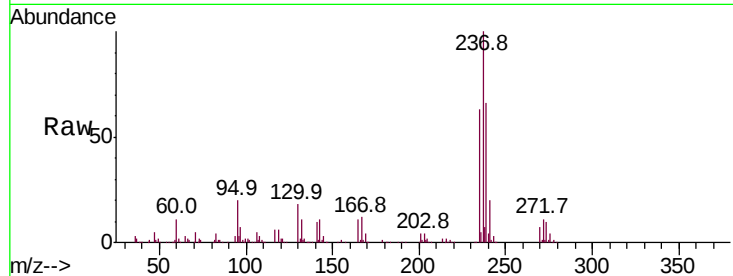
ClientSampleId :

TR-04-043019MSD

Tot Ion:	237	Resp:	315021
Ion Ratio	Lower	Upper	
237	100		
235	63.4	42.5	82.5
272	11.1	0.0	31.6

Manual Integrations
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#42

2,4,6-Tribromophenol

Concen: 198.729 ng

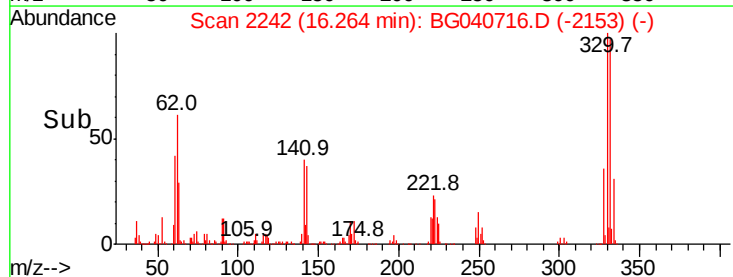
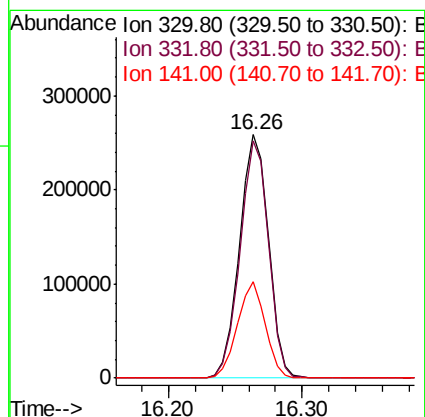
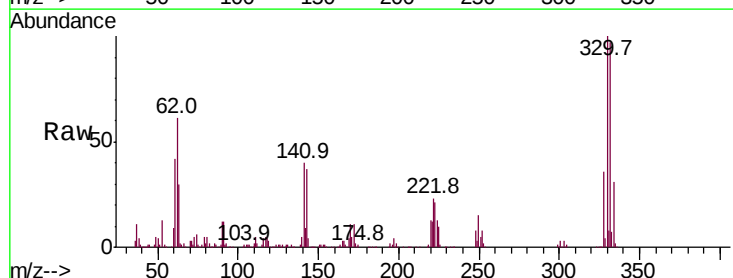
RT: 16.26 min Scan# 2242

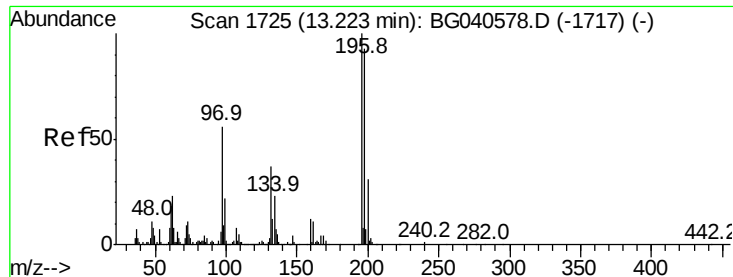
Delta R.T. -0.01 min

Lab File: BG040716.D

Acq: 2 May 2019 20:54

Tgt Ion:	330	Resp:	387933
Ion Ratio	Lower	Upper	
330	100		
332	95.7	75.9	113.9
141	38.2	32.4	48.6





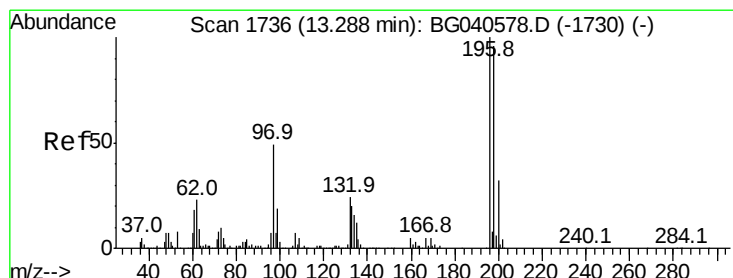
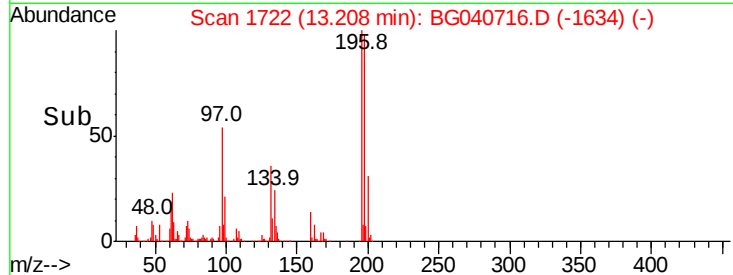
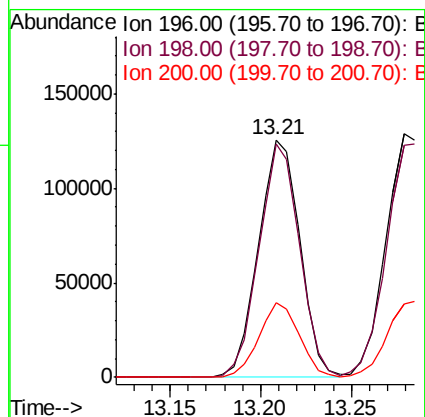
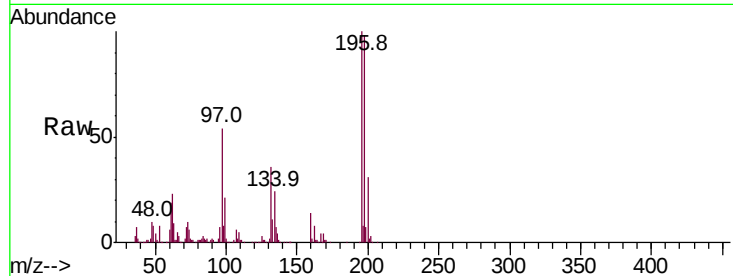
#43
 2,4,6-Trichlorophenol
 Concen: 62.205 ng
 RT: 13.21 min Scan# 1722
 Delta R.T. -0.01 min
 Lab File: BG040716.D
 Acq: 2 May 2019 20:54

Instrument :
 BNA_G
 ClientSampleId :
 TR-04-043019MSD

Tot Ion:	196	Resp:	198876
Ion Ratio	Lower	Upper	
196	100		
198	98.0	74.8	112.2
200	31.3	24.9	37.3

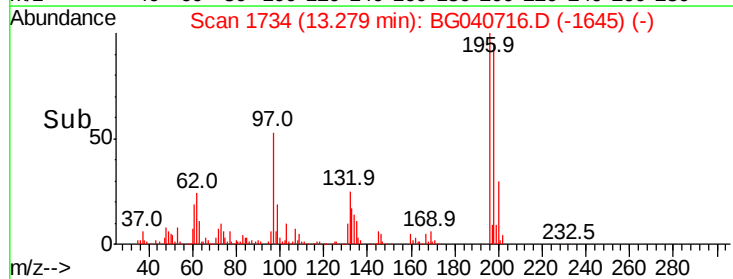
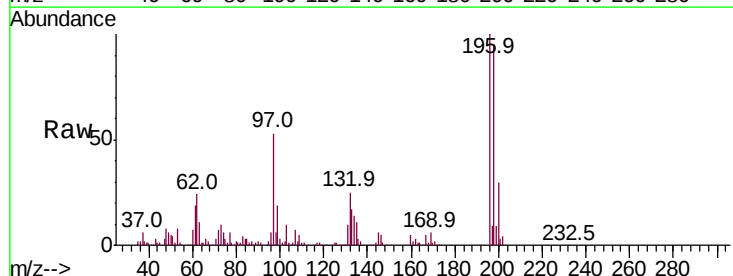
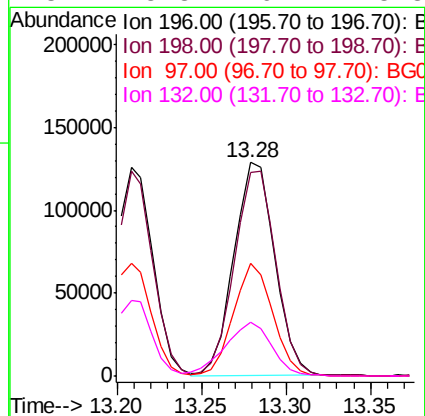
Manual Integrations
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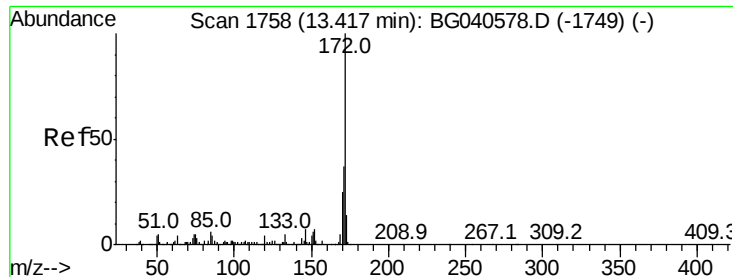
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#44
 2,4,5-Trichlorophenol
 Concen: 62.518 ng
 RT: 13.28 min Scan# 1734
 Delta R.T. -0.01 min
 Lab File: BG040716.D
 Acq: 2 May 2019 20:54

Tgt Ion:	196	Resp:	217736
Ion Ratio	Lower	Upper	
196	100		
198	95.4	77.0	115.6
97	52.8	40.0	60.0
132	25.3	19.2	28.8





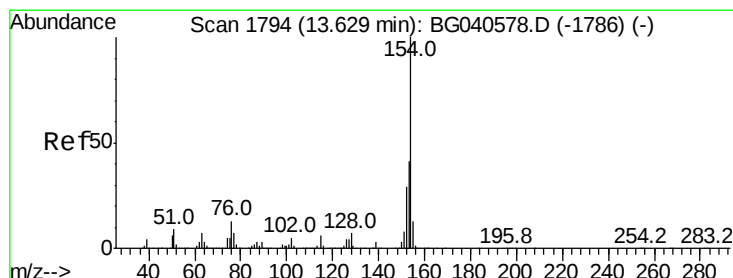
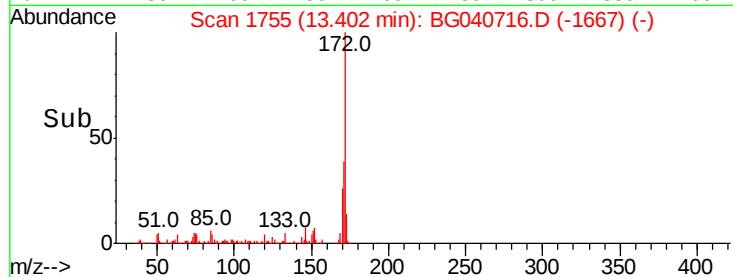
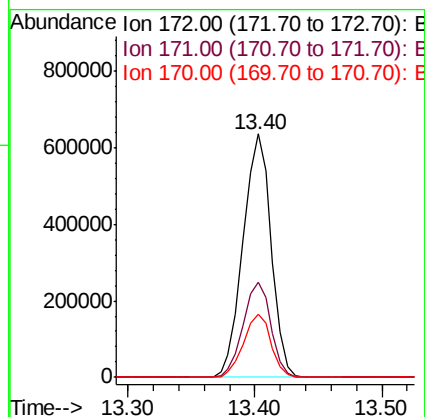
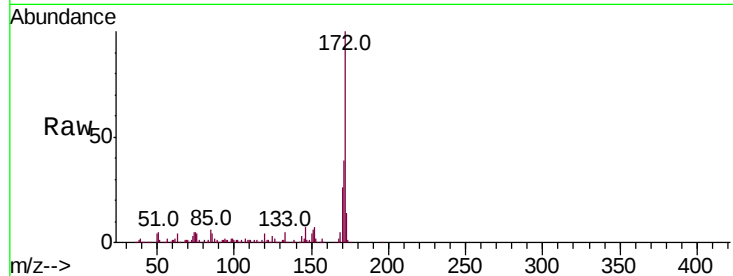
#45
2-Fluorobiphenyl
Concen: 99.068 ng
RT: 13.40 min Scan# 1755
Delta R.T. -0.01 min
Lab File: BG040716.D
Acq: 2 May 2019 20:54

Instrument :
BNA_G
ClientSampleId :
TR-04-043019MSD

Tot Ion:	172	Resp:	974207
Ion Ratio	Lower	Upper	
172	100		
171	39.1	29.4	44.2
170	26.0	19.9	29.9

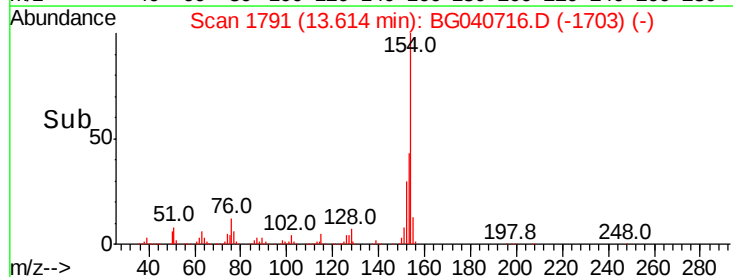
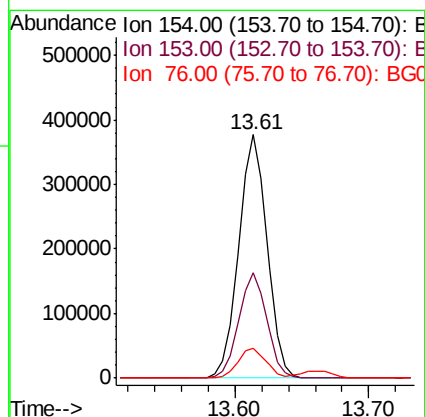
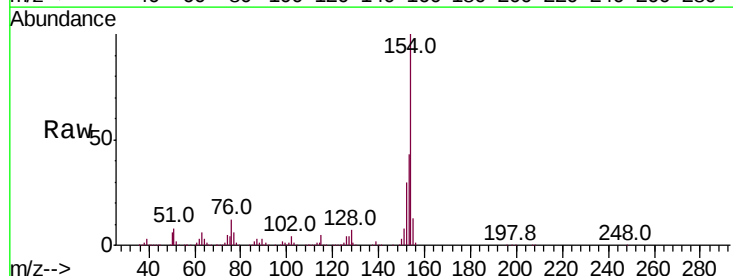
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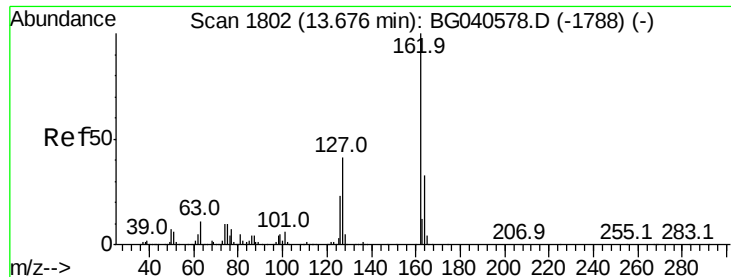
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#46
1,1'-Biphenyl
Concen: 50.061 ng
RT: 13.61 min Scan# 1791
Delta R.T. -0.01 min
Lab File: BG040716.D
Acq: 2 May 2019 20:54

Tgt Ion:	154	Resp:	551988
Ion Ratio	Lower	Upper	
154	100		
153	43.2	20.5	60.5
76	12.0	0.0	32.5





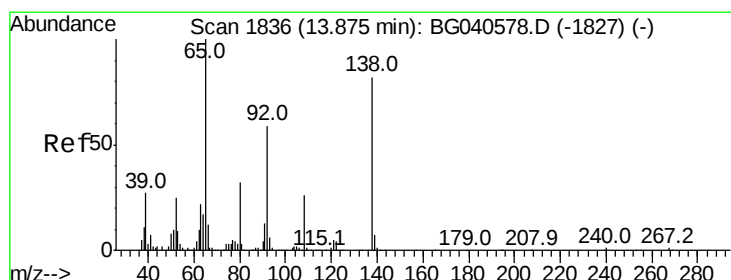
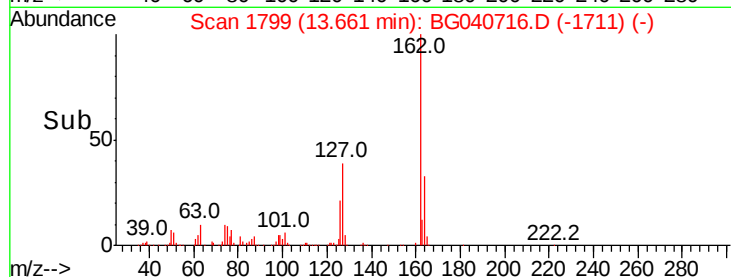
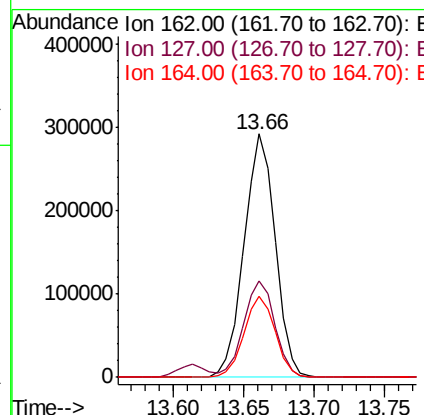
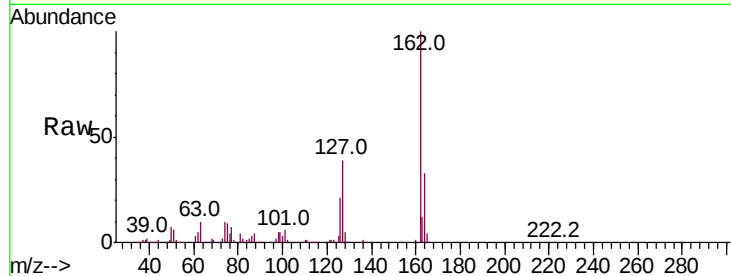
#47
 2-Chloronaphthalene
 Concen: 52.446 ng
 RT: 13.66 min Scan# 1799
 Delta R.T. -0.01 min
 Lab File: BG040716.D
 Acq: 2 May 2019 20:54

Instrument :
 BNA_G
 ClientSampleId :
 TR-04-043019MSD

Tot Ion:	162	Resp:	452563
Ion Ratio	Lower	Upper	
162	100		
127	39.5	33.0	49.4
164	33.1	26.8	40.2

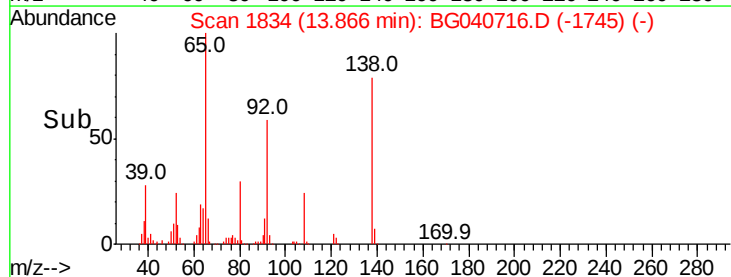
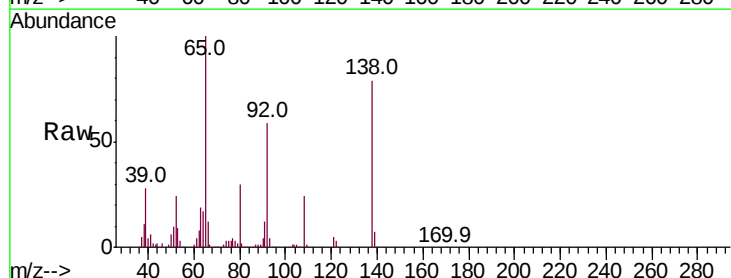
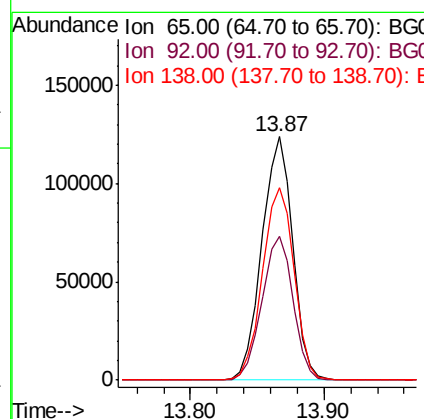
Manual Integrations
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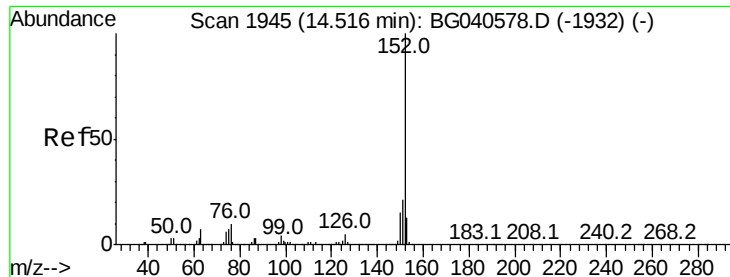
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#48
 2-Nitroaniline
 Concen: 64.139 ng
 RT: 13.87 min Scan# 1834
 Delta R.T. -0.01 min
 Lab File: BG040716.D
 Acq: 2 May 2019 20:54

Tgt Ion:	65	Resp:	197013
Ion Ratio	Lower	Upper	
65	100		
92	59.3	47.4	71.0
138	79.2	66.1	99.1





#49

Acenaphthylene

Concen: 50.929 ng

RT: 14.51 min Scan# 1943

Delta R.T. -0.01 min

Lab File: BG040716.D

Acq: 2 May 2019 20:54

Instrument :

BNA_G

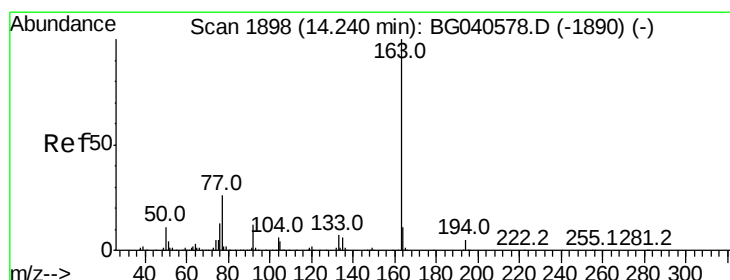
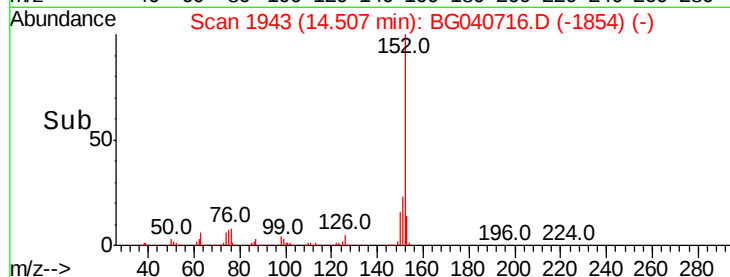
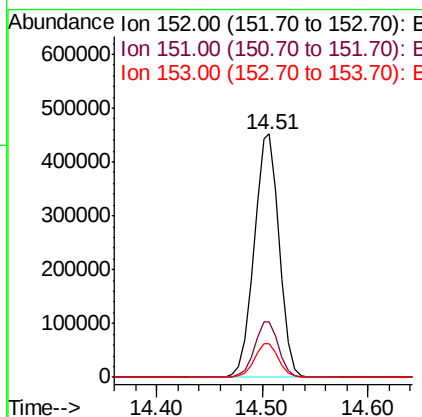
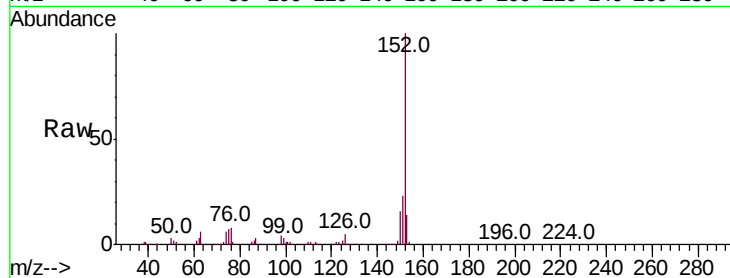
ClientSampleId :

TR-04-043019MSD

Tot Ion:	152	Resp:	745628
Ion Ratio	Lower	Upper	
152	100		
151	22.5	17.2	25.8
153	13.7	10.7	16.1

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#50

Dimethylphthalate

Concen: 56.783 ng

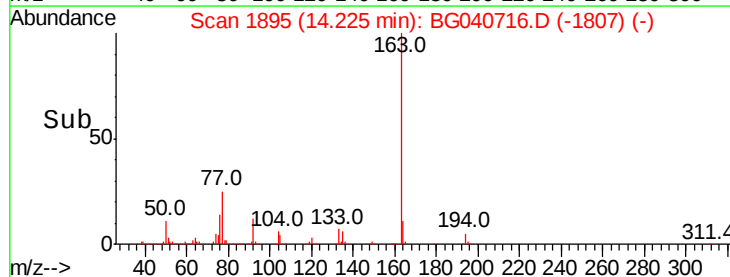
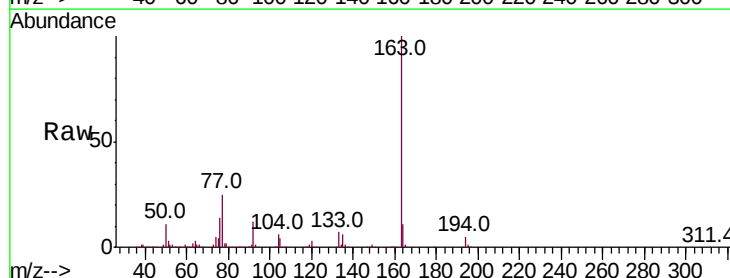
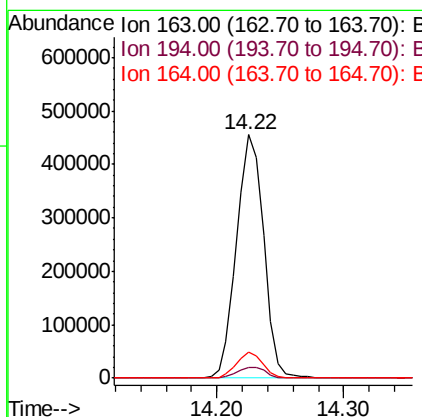
RT: 14.22 min Scan# 1895

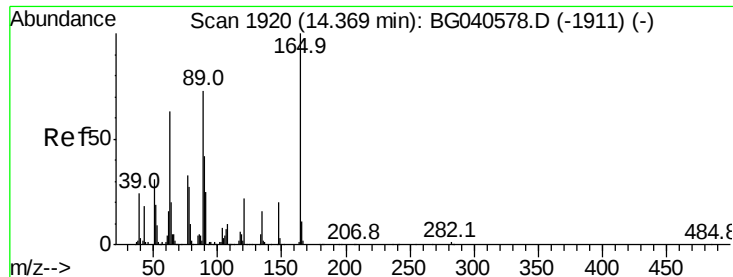
Delta R.T. -0.01 min

Lab File: BG040716.D

Acq: 2 May 2019 20:54

Tgt Ion:	163	Resp:	674721
Ion Ratio	Lower	Upper	
163	100		
194	4.6	3.8	5.8
164	10.8	8.8	13.2





#51

2,6-Dinitrotoluene

Concen: 63.633 ng

RT: 14.35 min Scan# 1917

Delta R.T. -0.01 min

Lab File: BG040716.D

Acq: 2 May 2019 20:54

Instrument :

BNA_G

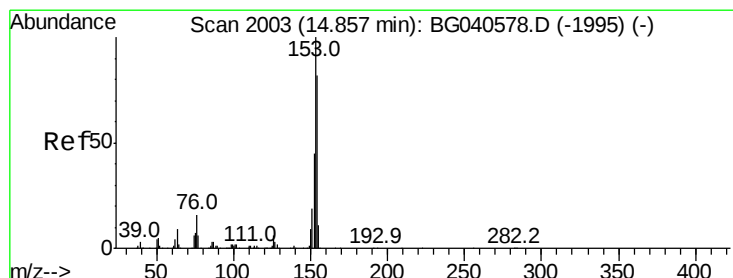
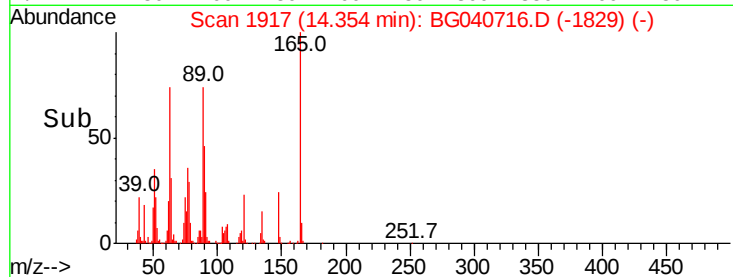
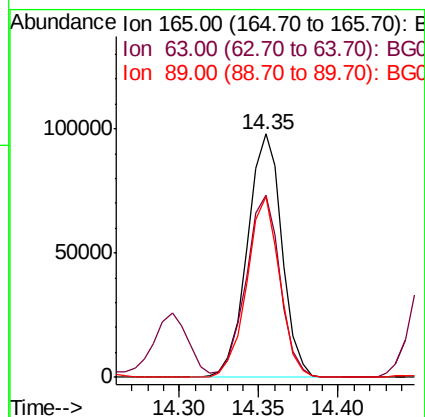
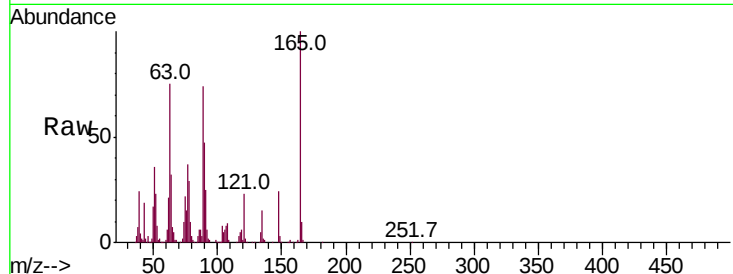
ClientSampleId :

TR-04-043019MSD

Tot Ion:	165	Resp:	147569
Ion Ratio	Lower	Upper	
165	100		
63	74.7	61.0	91.4
89	74.1	58.6	87.8

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#52

Acenaphthene

Concen: 52.010 ng

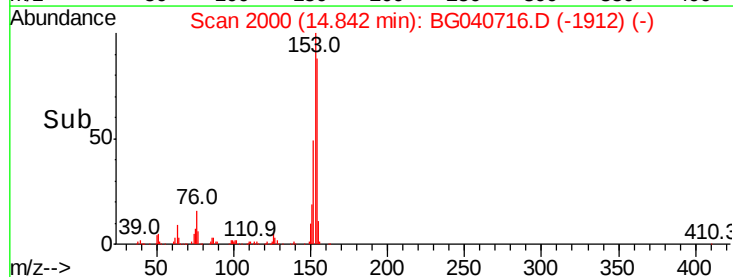
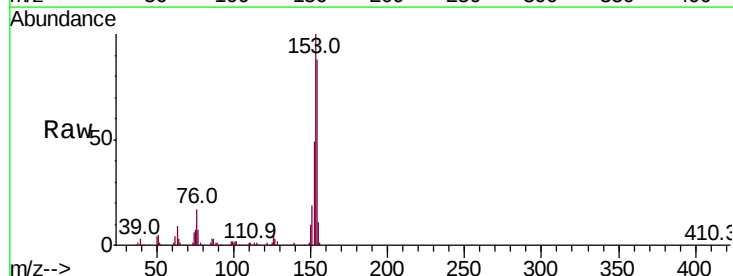
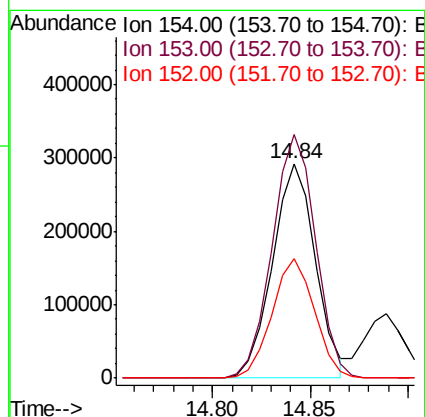
RT: 14.84 min Scan# 2000

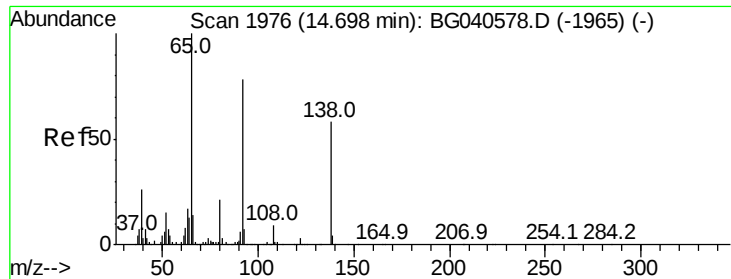
Delta R.T. -0.01 min

Lab File: BG040716.D

Acq: 2 May 2019 20:54

Tgt Ion:	154	Resp:	443438
Ion Ratio	Lower	Upper	
154	100		
153	113.4	97.0	145.6
152	55.9	44.1	66.1





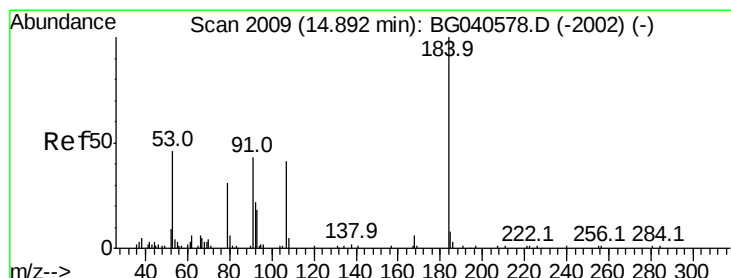
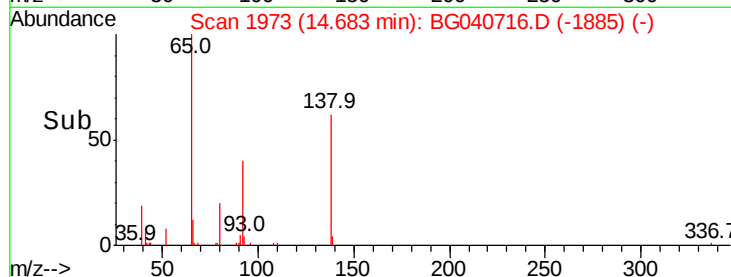
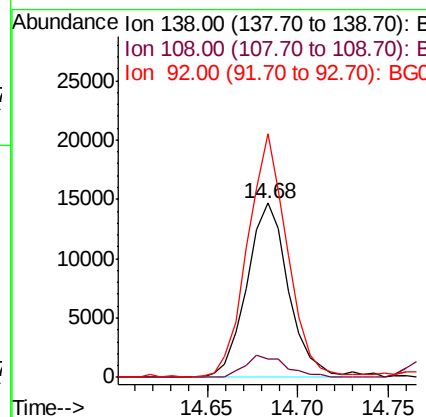
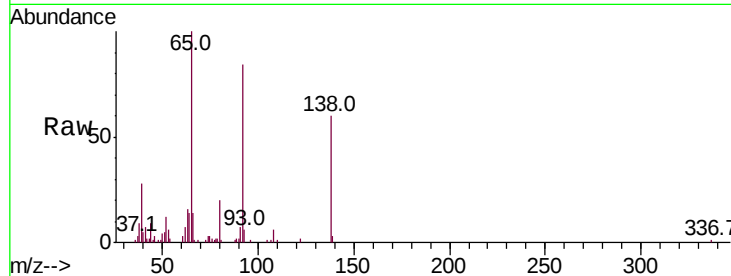
#53
3-Nitroaniline
Concen: 9.882 ng
RT: 14.68 min Scan# 1973
Delta R.T. -0.01 min
Lab File: BG040716.D
Acq: 2 May 2019 20:54

Instrument :
BNA_G
ClientSampleId :
TR-04-043019MSD

Tot Ion	Ratio	Lower	Upper
138	100		
108	10.5	12.4	18.6#
92	139.7	108.6	162.8

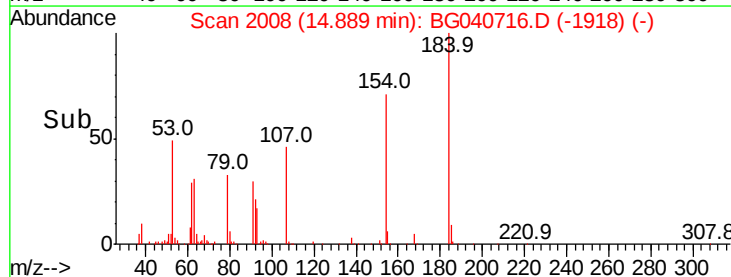
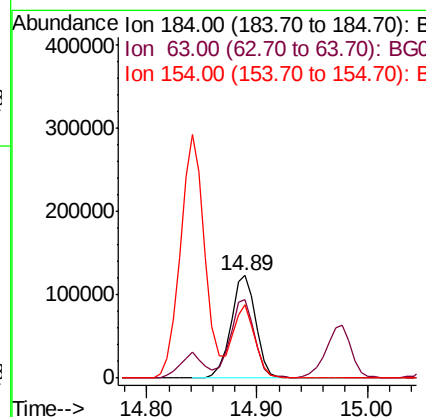
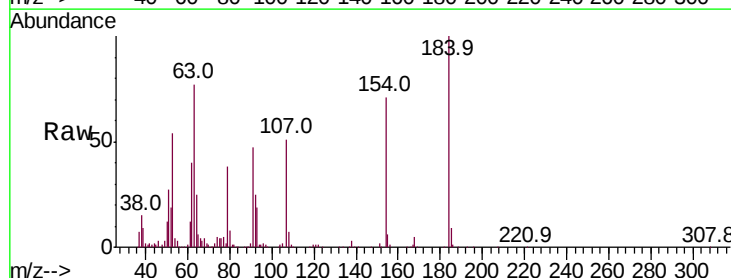
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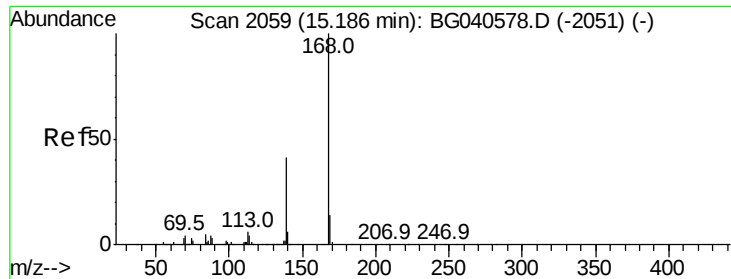
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#54
2,4-Dinitrophenol
Concen: 143.214 ng
RT: 14.89 min Scan# 2008
Delta R.T. -0.00 min
Lab File: BG040716.D
Acq: 2 May 2019 20:54

Tgt Ion	Ratio	Lower	Upper
184	100		
63	77.2	51.8	77.6
154	71.4	43.6	65.4#





#55

Dibenzenofuran

Concen: 54.242 ng

RT: 15.18 min Scan# 2057

Delta R.T. -0.01 min

Lab File: BG040716.D

Acq: 2 May 2019 20:54

Instrument :

BNA_G

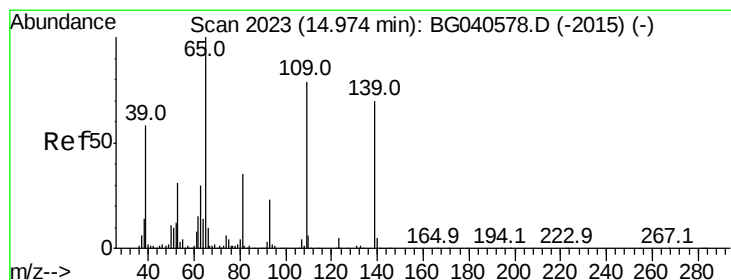
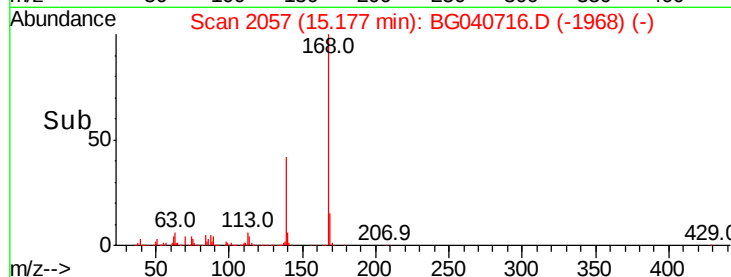
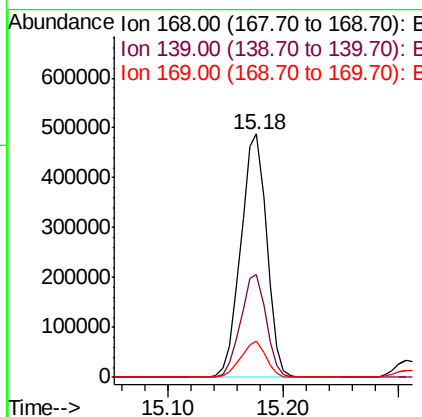
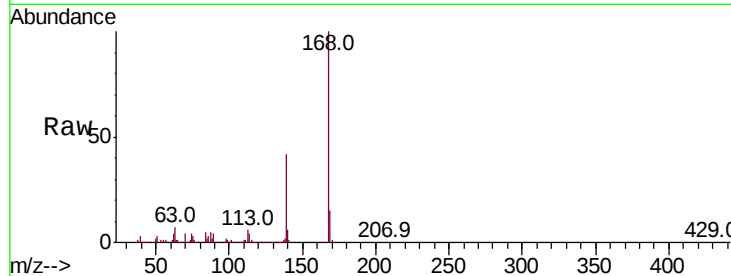
ClientSampleId :

TR-04-043019MSD

Tot Ion:	168	Resp:	757498
Ion Ratio	Lower	Upper	
168	100		
139	42.1	33.0	49.4
169	14.8	11.0	16.4

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#56

4-Nitrophenol

Concen: 116.697 ng

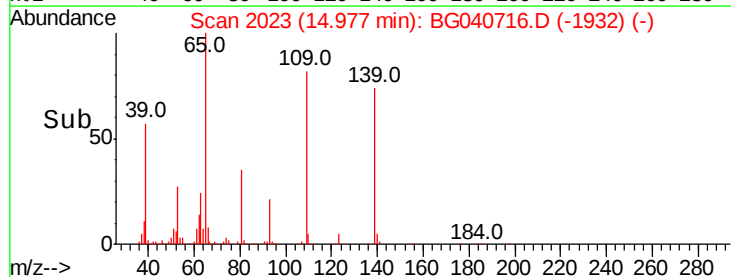
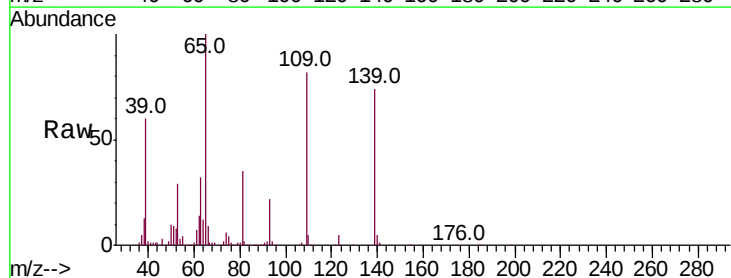
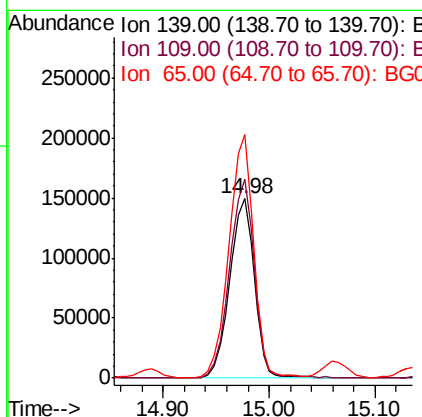
RT: 14.98 min Scan# 2023

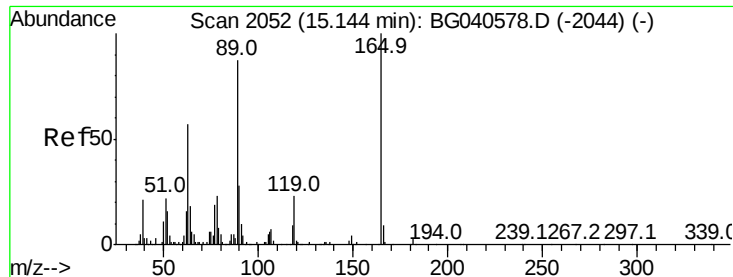
Delta R.T. 0.00 min

Lab File: BG040716.D

Acq: 2 May 2019 20:54

Tgt Ion:	139	Resp:	240442
Ion Ratio	Lower	Upper	
139	100		
109	111.1	93.8	133.8
65	135.7	122.7	162.7





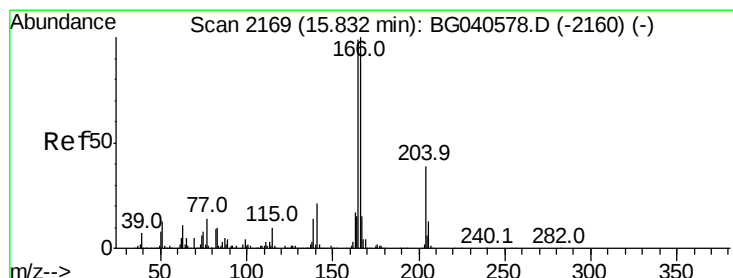
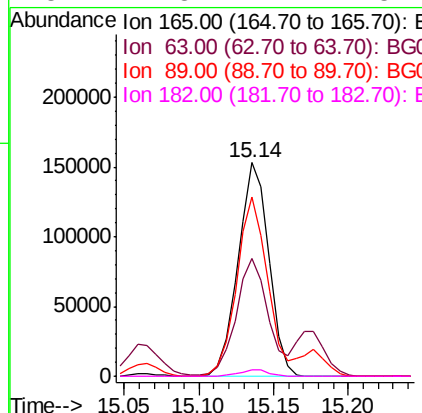
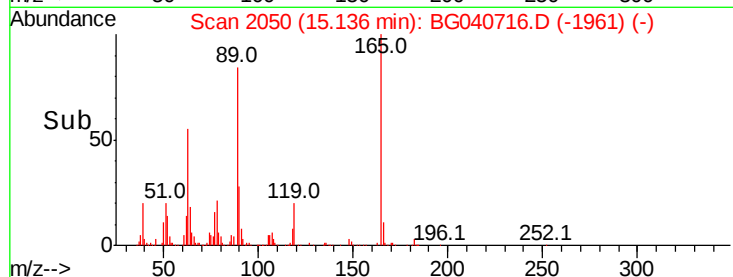
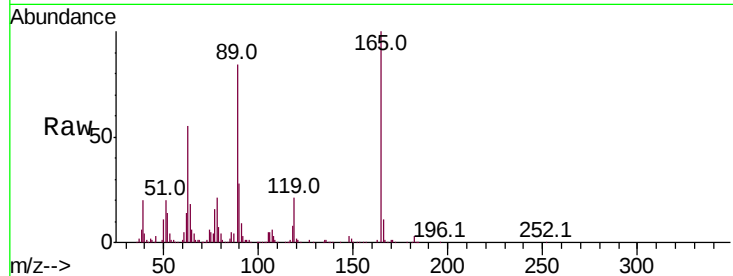
#57
 2,4-Dinitrotoluene
 Concen: 69.539 ng
 RT: 15.14 min Scan# 2050
 Delta R.T. -0.01 min
 Lab File: BG040716.D
 Acq: 2 May 2019 20:54

Instrument :
 BNA_G
 ClientSampleId :
 TR-04-043019MSD

Tot Ion	Ratio	Resp	Lower	Upper
165	100	219135		
63	55.0	45.8	68.8	
89	84.2	69.4	104.2	
182	2.8	2.2	3.4	

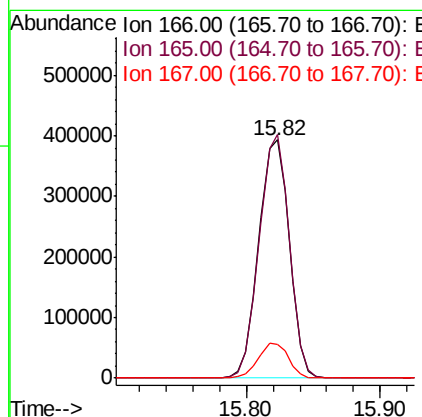
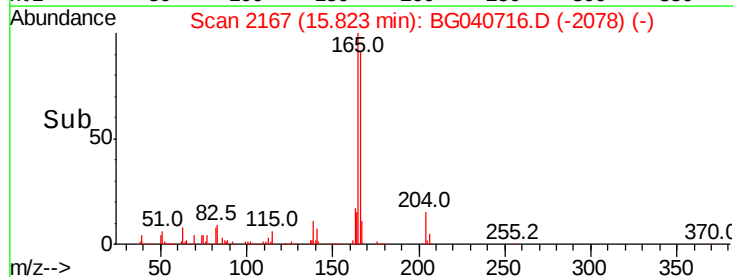
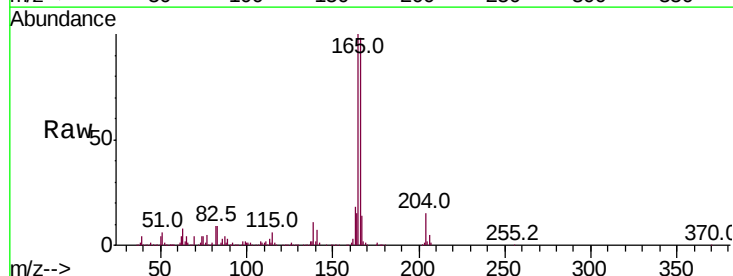
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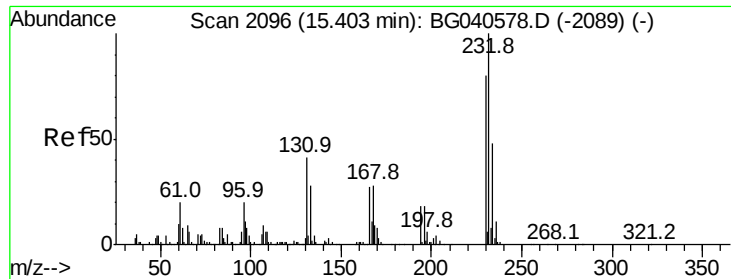
Sohil
 5/3/2019 4:29:22 PM



#58
 Fluorene
 Concen: 55.150 ng
 RT: 15.82 min Scan# 2167
 Delta R.T. -0.01 min
 Lab File: BG040716.D
 Acq: 2 May 2019 20:54

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	622501		
165	102.3	79.6	119.4	
167	14.3	12.2	18.2	





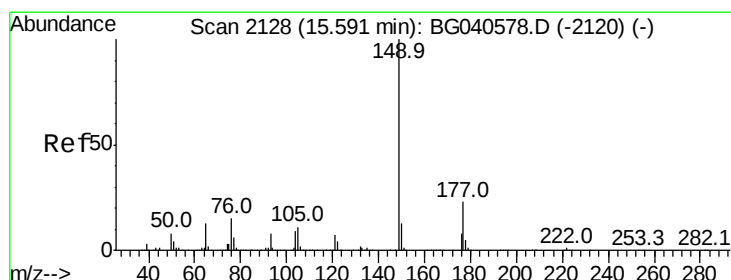
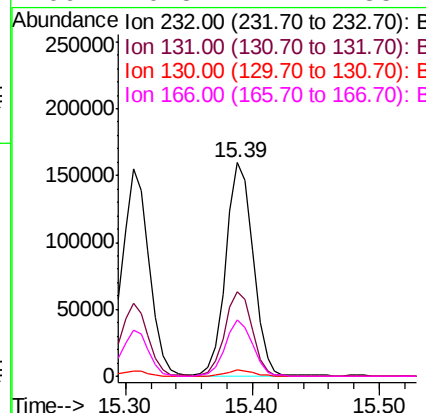
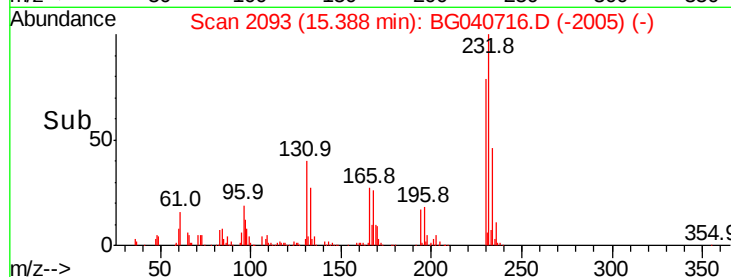
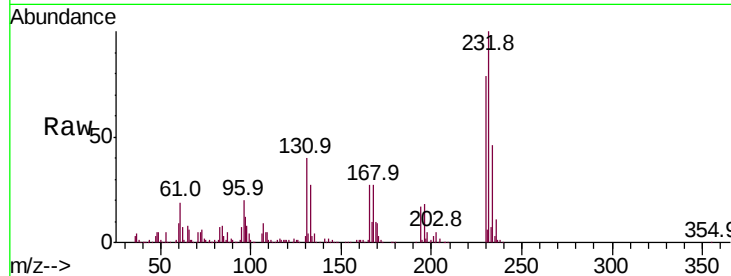
#59
2,3,4,6-Tetrachlorophenol
Concen: 67.738 ng
RT: 15.39 min Scan# 2093
Delta R.T. -0.01 min
Lab File: BG040716.D
Acq: 2 May 2019 20:54

Instrument :
BNA_G
ClientSampleId :
TR-04-043019MSD

Tot Ion	Ratio	Resp	Lower	Upper
232	100	237453		
131	39.4	33.0	49.4	
130	2.8	2.0	3.0	
166	26.8	22.1	33.1	

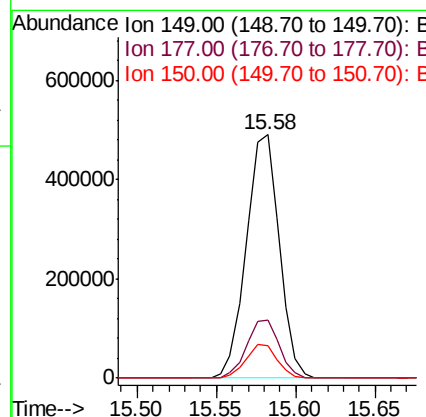
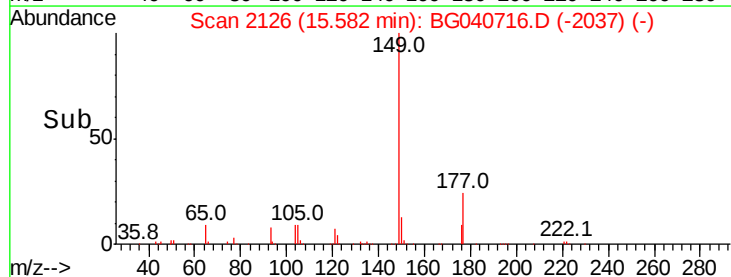
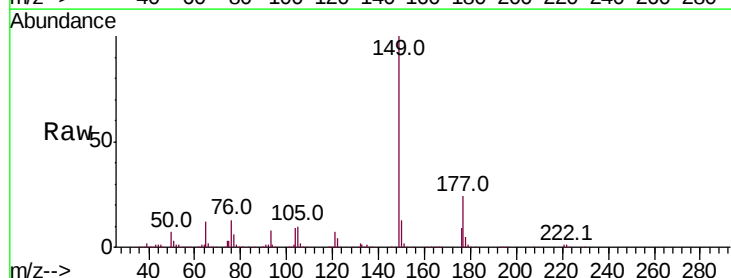
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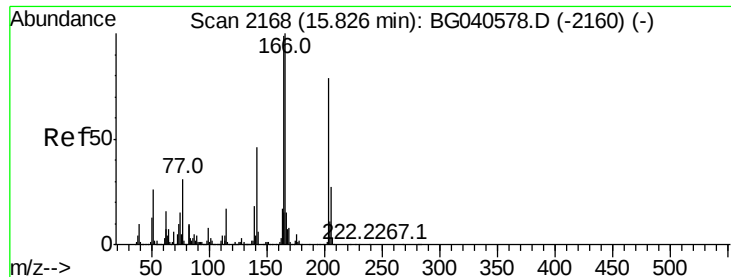
Sohil
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#60
Diethylphthalate
Concen: 56.417 ng
RT: 15.58 min Scan# 2126
Delta R.T. -0.01 min
Lab File: BG040716.D
Acq: 2 May 2019 20:54

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	707297		
177	23.8	18.5	27.7	
150	13.2	10.2	15.4	





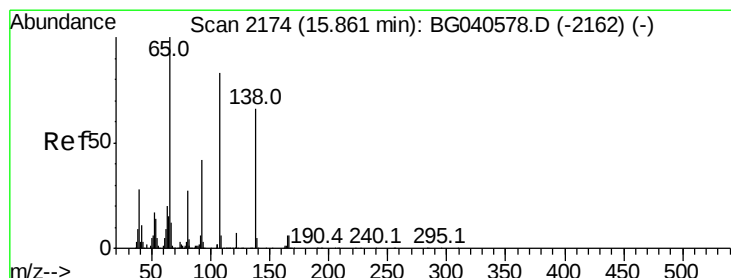
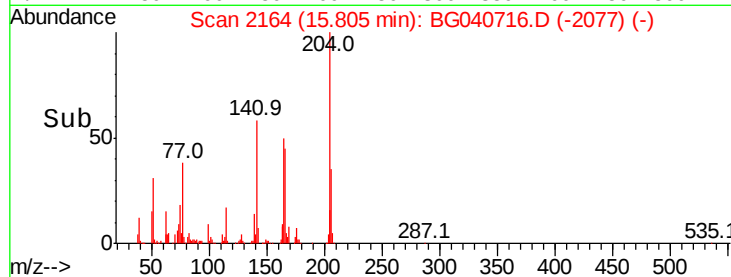
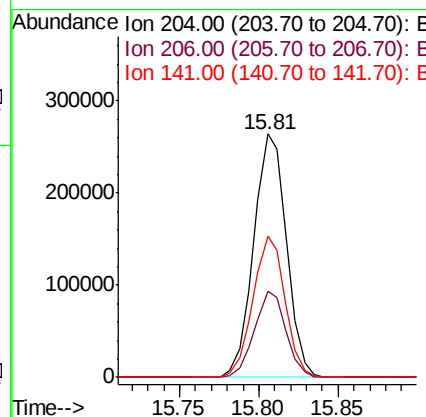
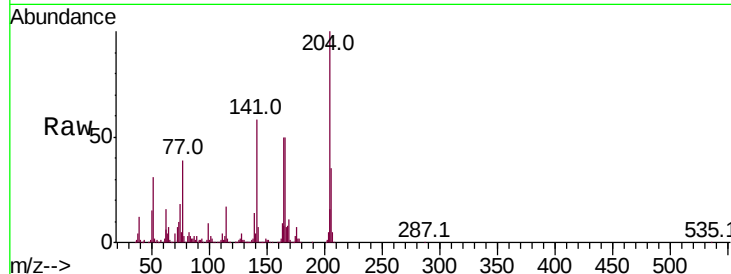
#61
4-Chlorophenyl-phenylether
Concen: 57.856 ng
RT: 15.81 min Scan# 2164
Delta R.T. -0.02 min
Lab File: BG040716.D
Acq: 2 May 2019 20:54

Instrument :
BNA_G
ClientSampleId :
TR-04-043019MSD

Tot Ion	Ratio	Lower	Upper
204	100		
206	35.2	27.4	41.2
141	58.1	46.0	69.0

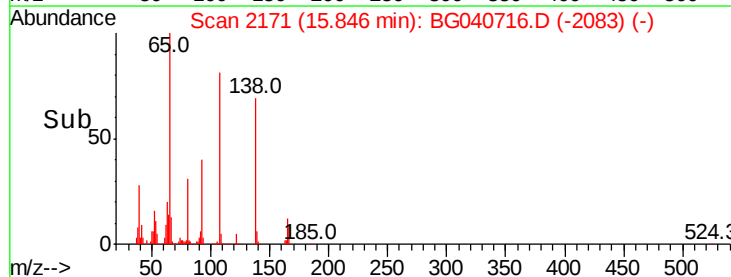
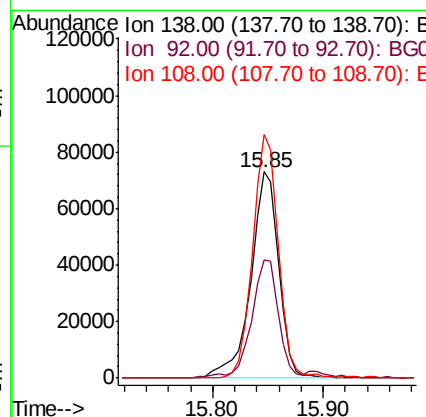
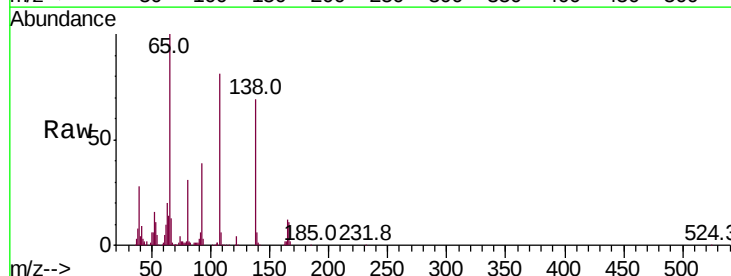
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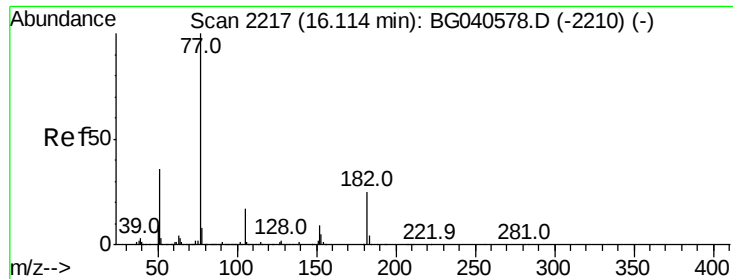
Sohil
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#62
4-Nitroaniline
Concen: 48.862 ng
RT: 15.85 min Scan# 2171
Delta R.T. -0.01 min
Lab File: BG040716.D
Acq: 2 May 2019 20:54

Tgt Ion	Ratio	Lower	Upper
138	100		
92	57.6	43.9	83.9
108	118.2	106.5	146.5





#63

Azobenzene

Concen: 52.093 ng

RT: 16.10 min Scan# 2214

Delta R.T. -0.01 min

Lab File: BG040716.D

Acq: 2 May 2019 20:54

Instrument :

BNA_G

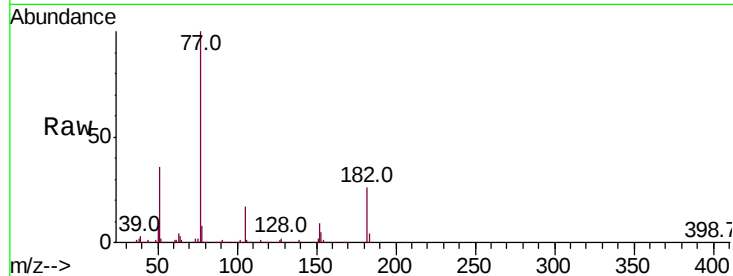
ClientSampleId :

TR-04-043019MSD

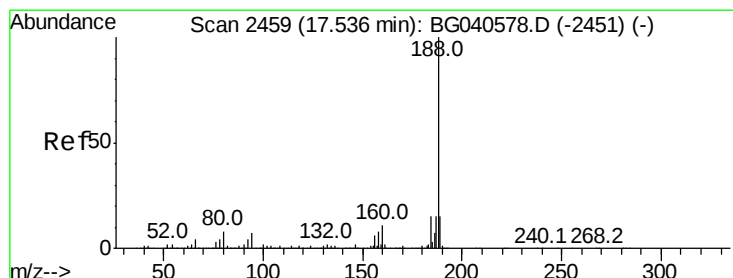
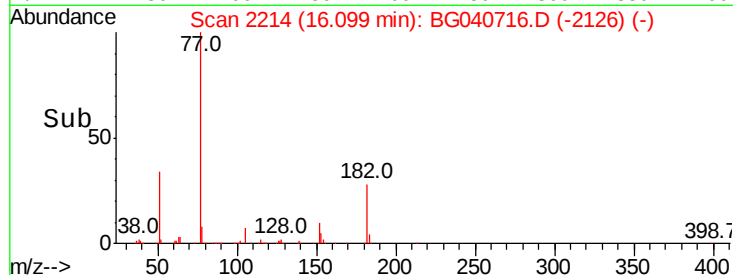
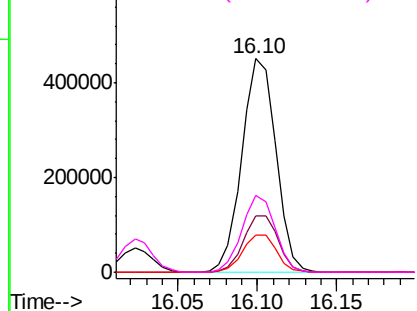
Tot Ion	Ratio	Lower	Upper
77	100		
182	26.3	5.0	45.0
105	17.4	0.0	37.6
51	35.7	16.3	56.3

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Abundance Ion 77.00 (76.70 to 77.70): BGC
Ion 182.00 (181.70 to 182.70): BGC
Ion 105.00 (104.70 to 105.70): BGC
Ion 51.00 (50.70 to 51.70): BGC



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.52 min Scan# 2456

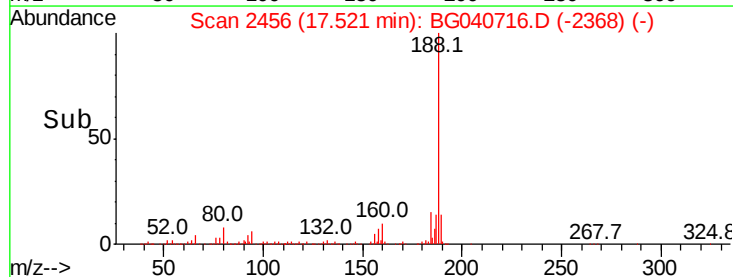
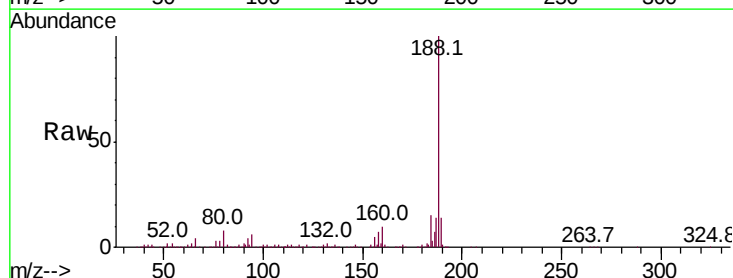
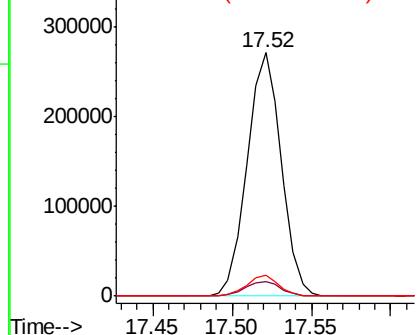
Delta R.T. -0.01 min

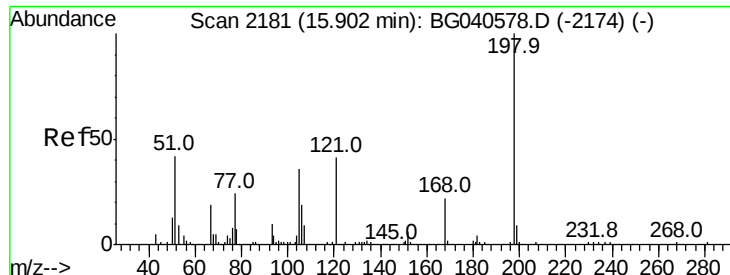
Lab File: BG040716.D

Acq: 2 May 2019 20:54

Tgt Ion	Ratio	Lower	Upper
188	100		
94	6.2	5.6	8.4
80	8.5	6.4	9.6

Abundance Ion 188.00 (187.70 to 188.70): BGC
Ion 94.00 (93.70 to 94.70): BGC
Ion 80.00 (79.70 to 80.70): BGC





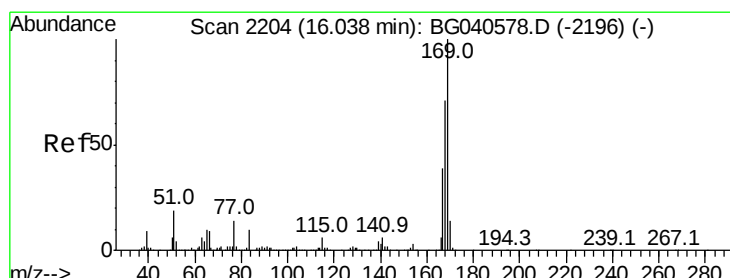
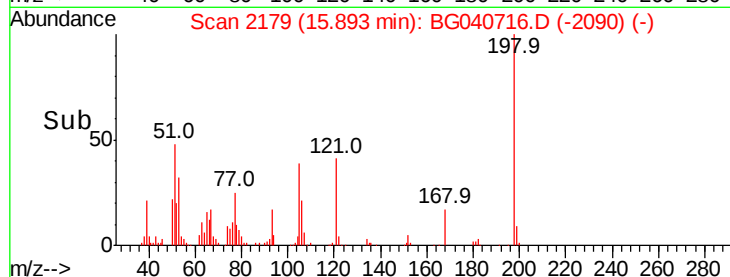
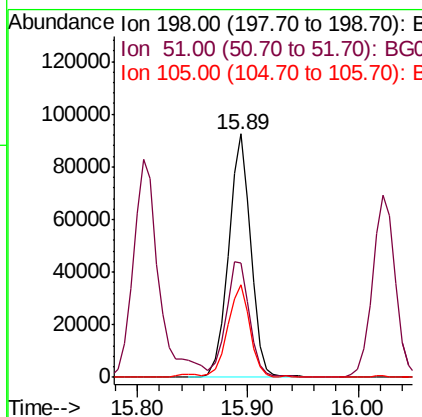
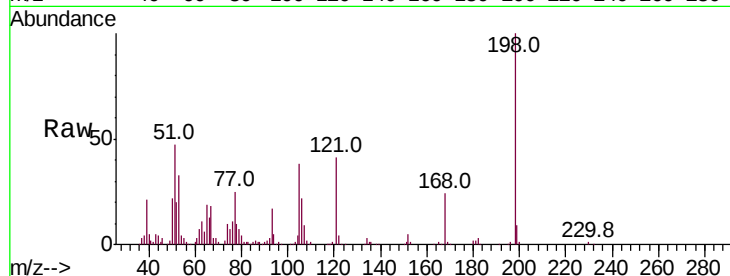
#65
 4,6-Dinitro-2-methylphenol
 Concen: 62.549 ng
 RT: 15.89 min Scan# 2179
 Delta R.T. -0.01 min
 Lab File: BG040716.D
 Acq: 2 May 2019 20:54

Instrument :
 BNA_G
 ClientSampleId :
 TR-04-043019MSD

Tot Ion	Ratio	Resp	Lower	Upper
198	100	129701		
51	47.2	35.9	75.9	
105	38.1	21.2	61.2	

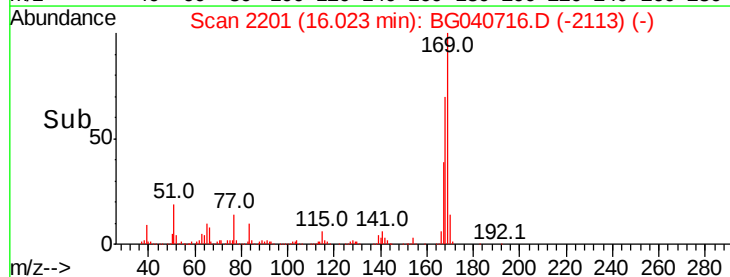
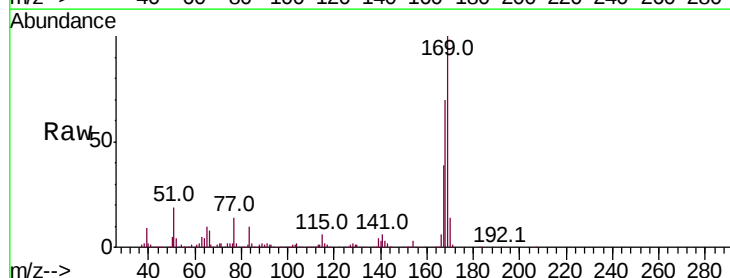
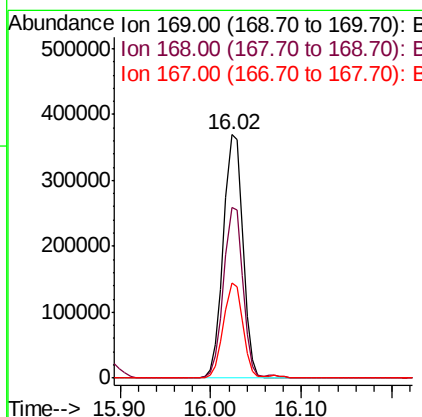
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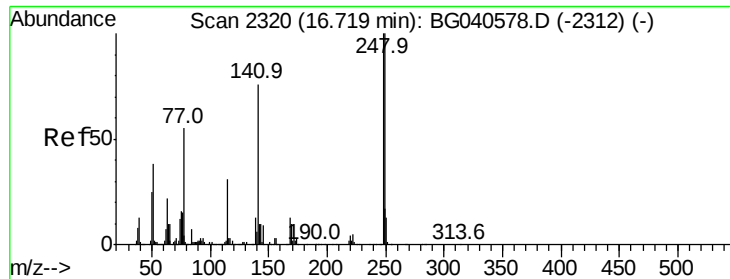
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#66
 n-Nitrosodiphenylamine
 Concen: 46.506 ng
 RT: 16.02 min Scan# 2201
 Delta R.T. -0.01 min
 Lab File: BG040716.D
 Acq: 2 May 2019 20:54

Tgt Ion	Ratio	Resp	Lower	Upper
169	100	553461		
168	69.9	56.8	85.2	
167	39.3	31.4	47.0	





#67

4-Bromophenyl-phenylether

Concen: 50.967 ng

RT: 16.70 min Scan# 2317

Delta R.T. -0.01 min

Lab File: BG040716.D

Acq: 2 May 2019 20:54

Instrument :

BNA_G

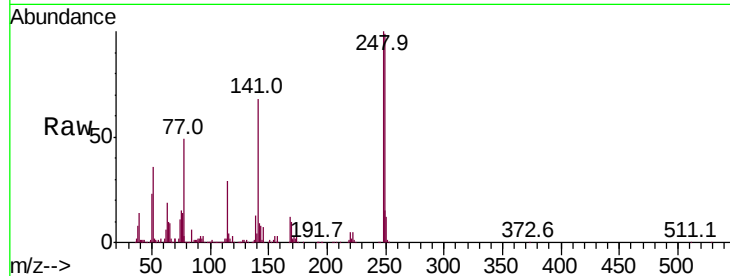
ClientSampleId :

TR-04-043019MSD

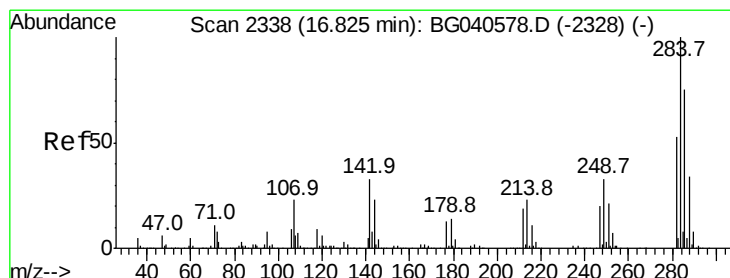
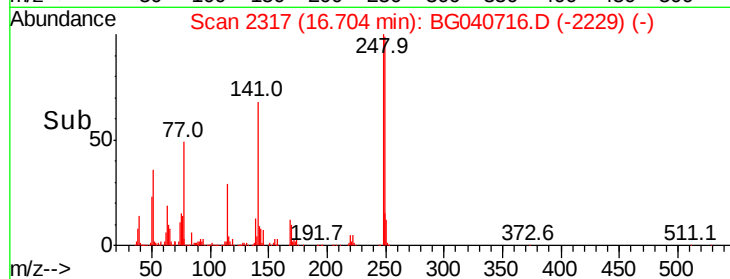
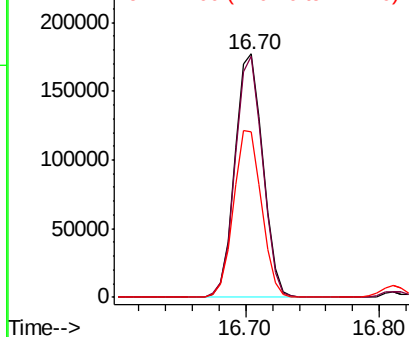
Tot Ion:	248	Resp:	256849
Ion Ratio	Lower	Upper	
248	100		
250	98.9	79.8	119.6
141	68.0	60.8	91.2

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Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E



#68

Hexachlorobenzene

Concen: 51.256 ng

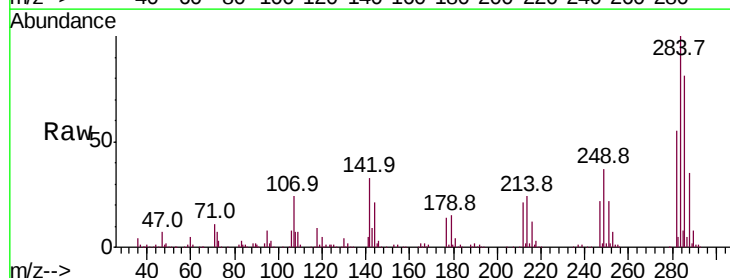
RT: 16.81 min Scan# 2335

Delta R.T. -0.01 min

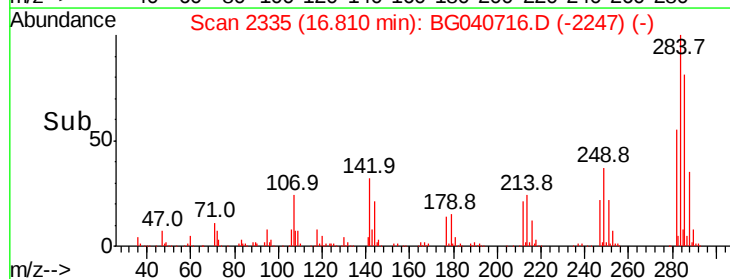
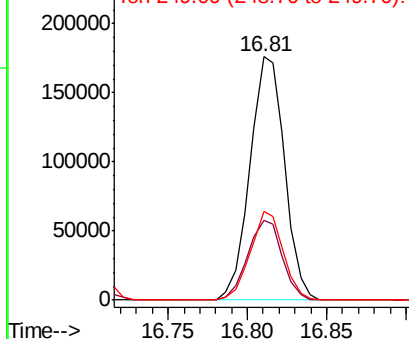
Lab File: BG040716.D

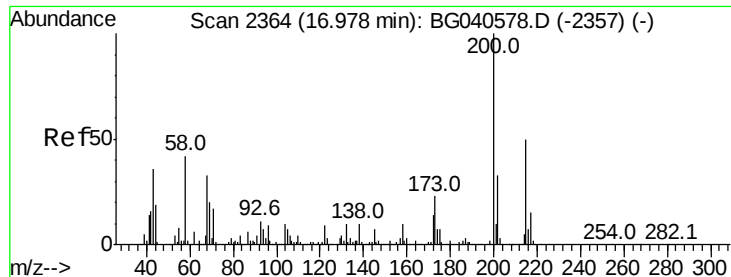
Acq: 2 May 2019 20:54

Tgt Ion:	284	Resp:	267089
Ion Ratio	Lower	Upper	
284	100		
142	32.6	26.6	40.0
249	38.8	26.0	39.0



Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E





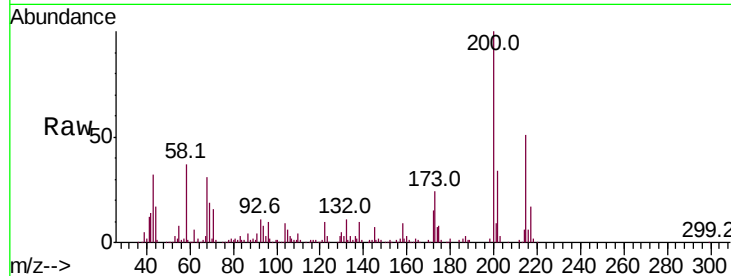
#69
 Atrazine
 Concen: 28.659 ng
 RT: 16.96 min Scan# 2361
 Delta R.T. -0.01 min
 Lab File: BG040716.D
 Acq: 2 May 2019 20:54

Instrument :
 BNA_G
 ClientSampleId :
 TR-04-043019MSD

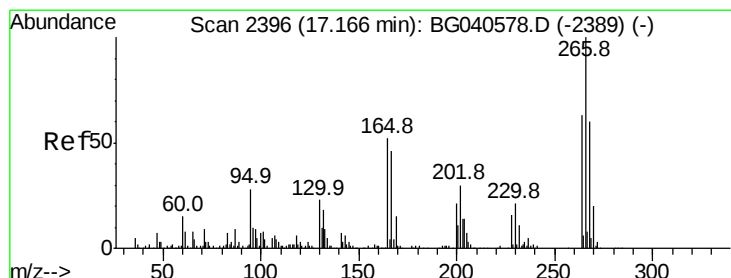
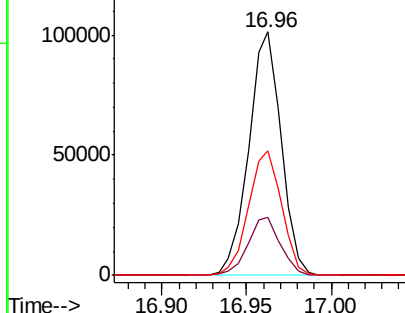
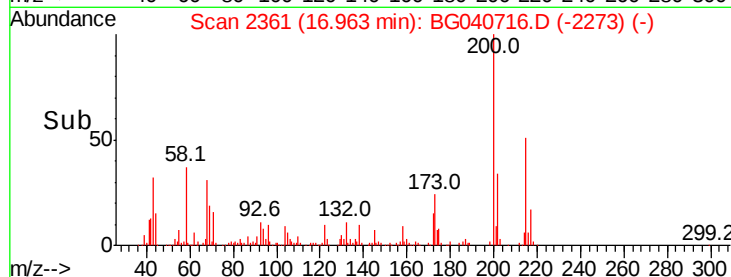
Tot Ion:	200	Resp:	135132
Ion Ratio	Lower	Upper	
200	100		
173	23.6	2.8	42.8
215	51.4	30.2	70.2

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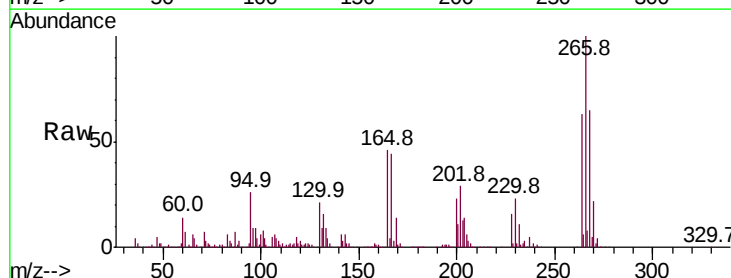


Abundance Ion 200.00 (199.70 to 200.70): E
 Ion 173.00 (172.70 to 173.70): E
 Ion 215.00 (214.70 to 215.70): E

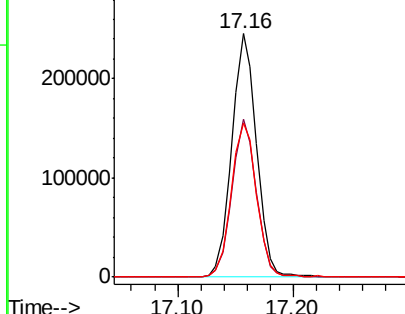
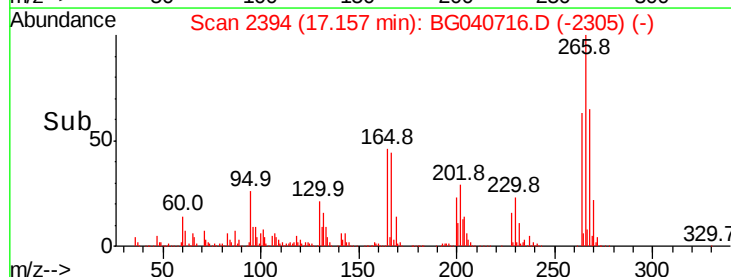


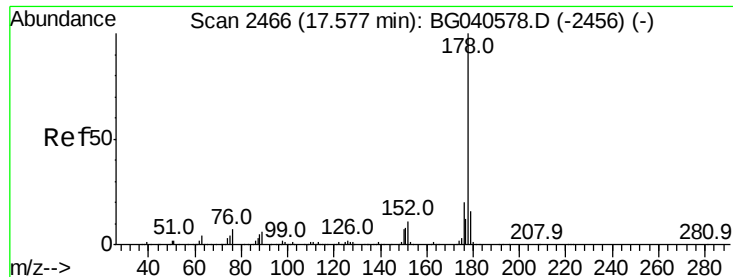
#70
 Pentachlorophenol
 Concen: 119.574 ng
 RT: 17.16 min Scan# 2394
 Delta R.T. -0.01 min
 Lab File: BG040716.D
 Acq: 2 May 2019 20:54

Tgt Ion:	266	Resp:	364614
Ion Ratio	Lower	Upper	
266	100		
268	64.9	52.3	78.5
264	63.4	50.0	75.0



Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E





#71

Phenanthrene

Concen: 51.346 ng

RT: 17.56 min Scan# 2463

Delta R.T. -0.01 min

Lab File: BG040716.D

Acq: 2 May 2019 20:54

Instrument :

BNA_G

ClientSampleId :

TR-04-043019MSD

Tot Ion:178 Resp: 1118698

Ion Ratio Lower Upper

178 100

176 20.7 15.8 23.6

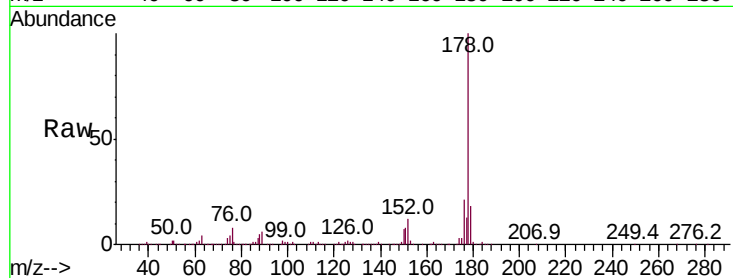
179 17.5 12.6 18.8

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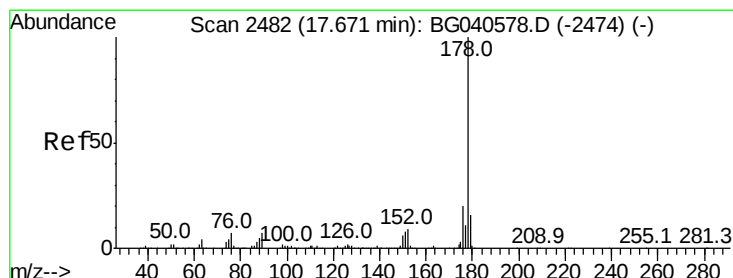
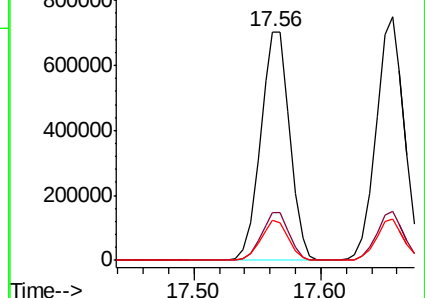
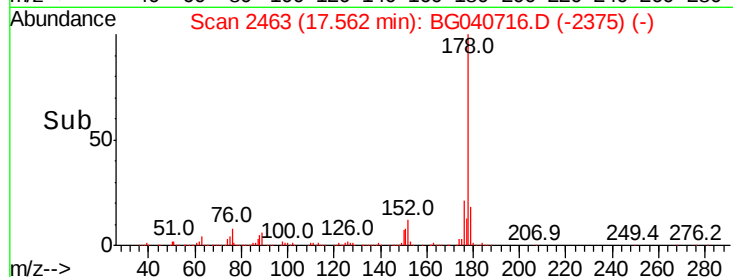
5/3/2019 4:29:22 PM



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Anthracene

Concen: 52.170 ng

RT: 17.66 min Scan# 2479

Delta R.T. -0.01 min

Lab File: BG040716.D

Acq: 2 May 2019 20:54

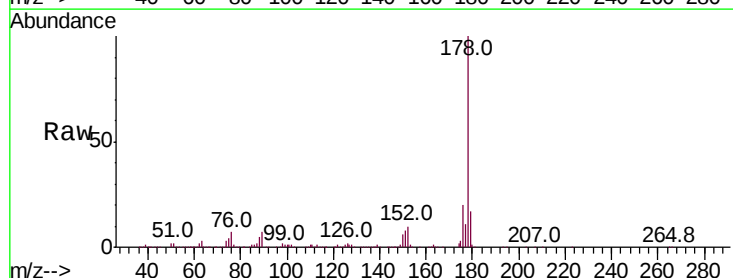
Tgt Ion:178 Resp: 1142529

Ion Ratio Lower Upper

178 100

176 20.0 15.6 23.4

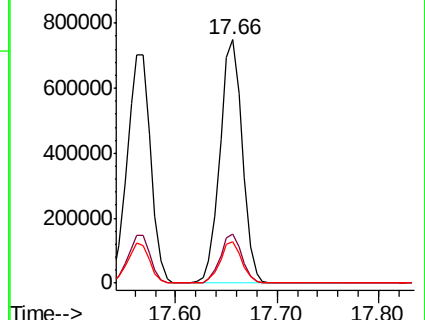
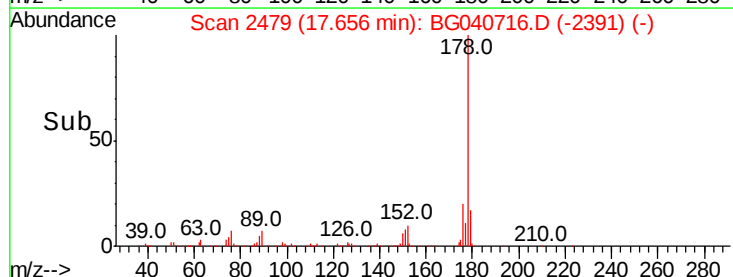
179 17.0 12.9 19.3

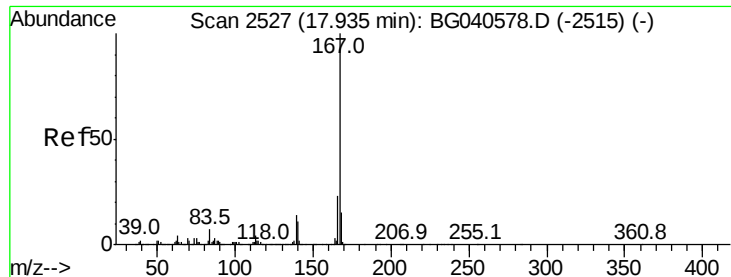


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#73

Carbazole

Concen: 47.952 ng

RT: 17.93 min Scan# 2525

Delta R.T. -0.01 min

Lab File: BG040716.D

Acq: 2 May 2019 20:54

Instrument :

BNA_G

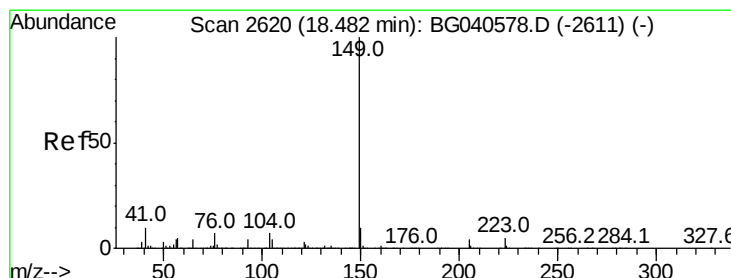
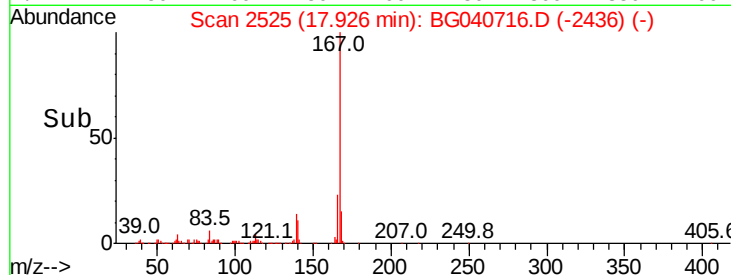
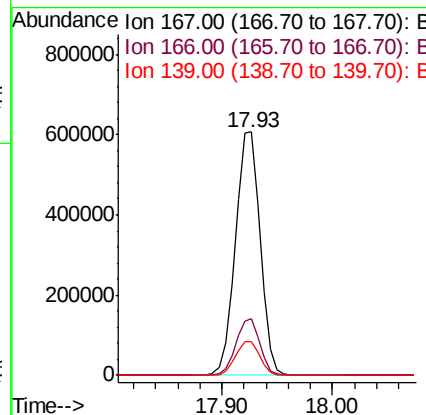
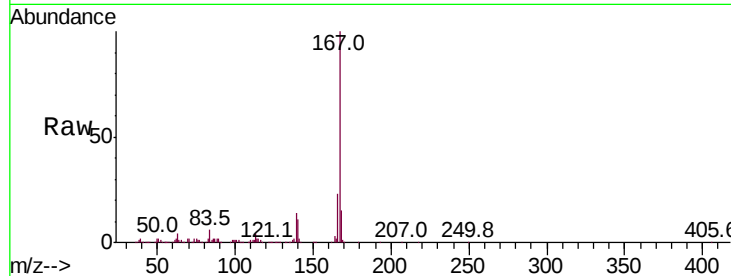
ClientSampleId :

TR-04-043019MSD

Tot Ion:	167	Resp:	956785
Ion Ratio	Lower	Upper	
167	100		
166	23.3	18.2	27.4
139	13.9	11.4	17.0

Manual Integrations
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#74

Di-n-butylphthalate

Concen: 50.876 ng

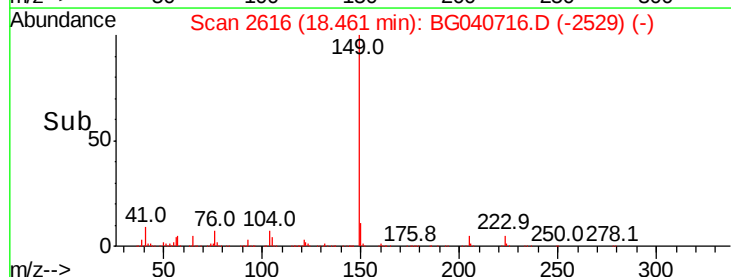
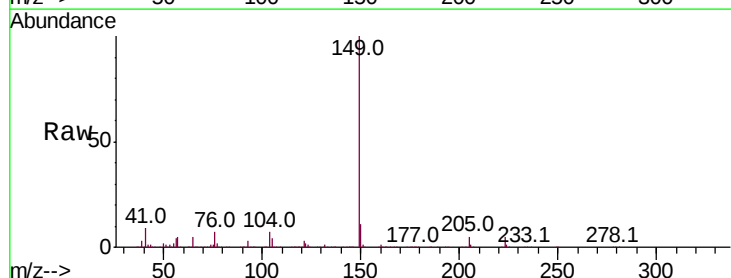
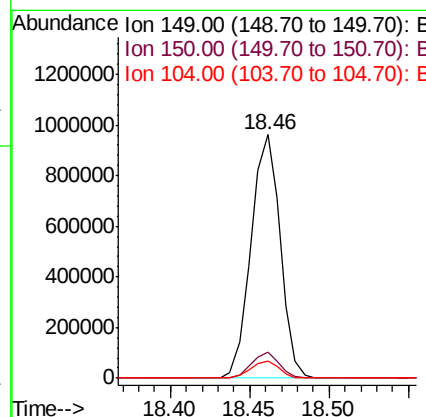
RT: 18.46 min Scan# 2616

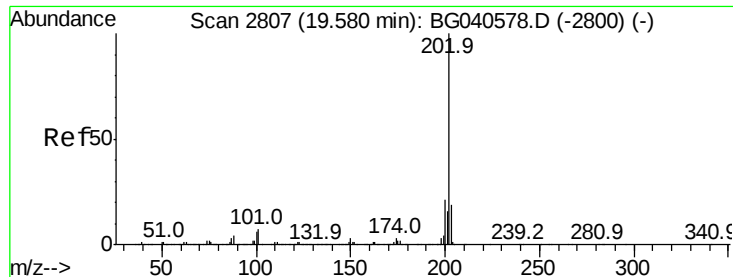
Delta R.T. -0.02 min

Lab File: BG040716.D

Acq: 2 May 2019 20:54

Tgt Ion:	149	Resp:	1225225
Ion Ratio	Lower	Upper	
149	100		
150	10.5	8.2	12.2
104	7.2	5.4	8.2





#75

Fluoranthene

Concen: 53.069 ng

RT: 19.57 min Scan# 2804

Delta R.T. -0.01 min

Lab File: BG040716.D

Acq: 2 May 2019 20:54

Instrument :

BNA_G

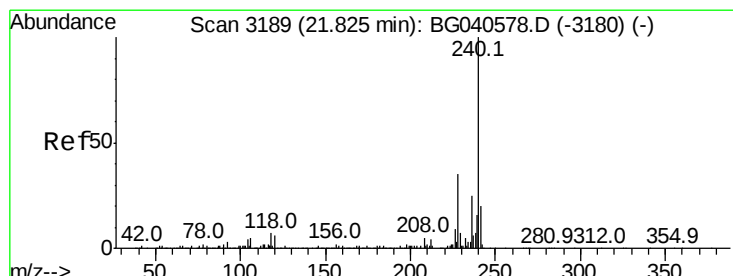
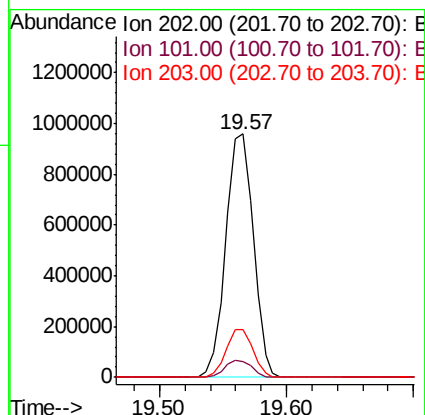
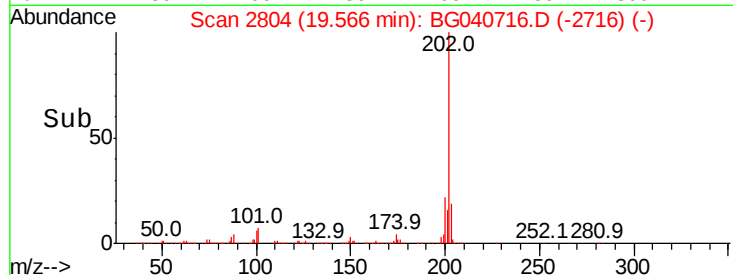
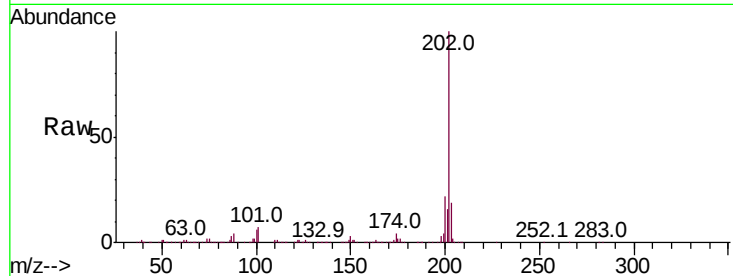
ClientSampleId :

TR-04-043019MSD

Tot Ion:	202	Resp:	1440886
Ion	Ratio	Lower	Upper
202	100		
101	6.7	0.0	27.5
203	19.5	0.0	39.3

Manual Integrations
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#76

Chrysene-d12

Concen: 20.000 ng

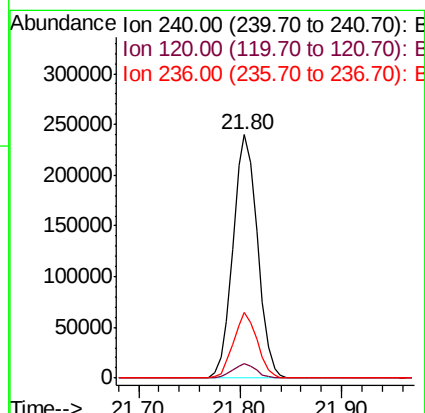
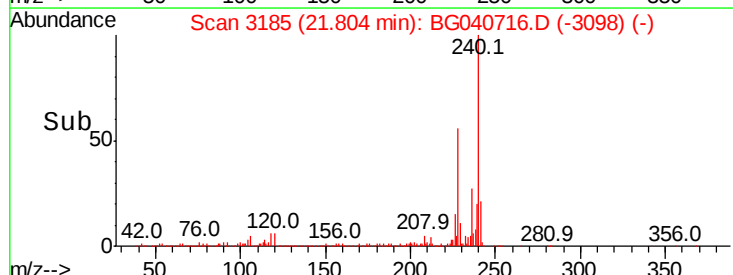
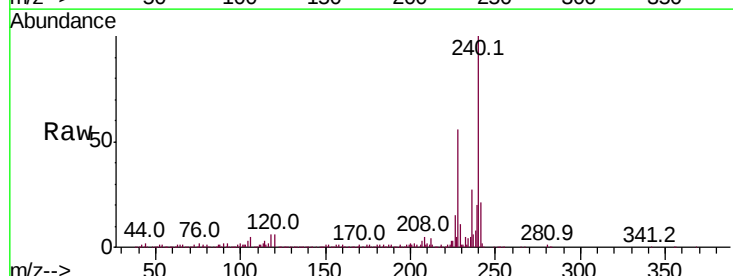
RT: 21.80 min Scan# 3185

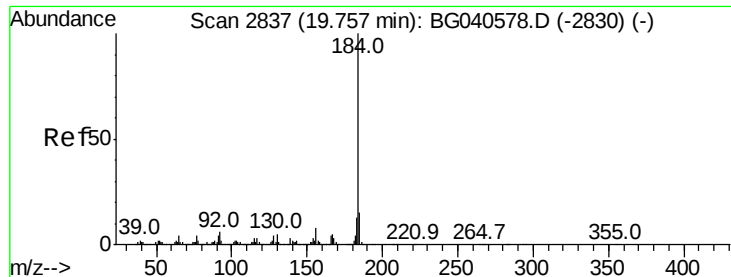
Delta R.T. -0.02 min

Lab File: BG040716.D

Acq: 2 May 2019 20:54

Tgt Ion:	240	Resp:	401199
Ion	Ratio	Lower	Upper
240	100		
120	5.7	5.0	7.6
236	26.8	20.3	30.5





#77

Benzidine

Concen: 3.196 ng/mL

RT: 19.75 min Scan# 2835

Delta R.T. -0.01 min

Lab File: BG040716.D

Acq: 2 May 2019 20:54

Instrument :

BNA_G

ClientSampleId :

TR-04-043019MSD

Tot Ion:184 Resp: 35103

Ion Ratio Lower Upper

184 100

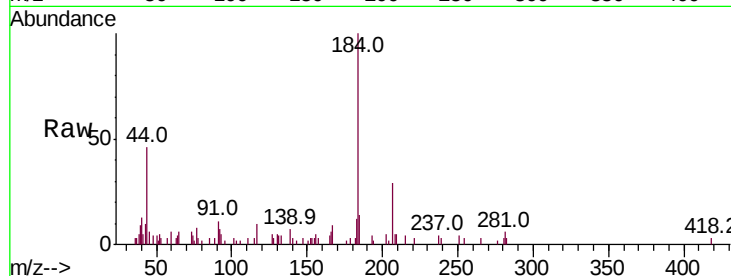
185 14.4 11.8 17.8

183 12.2 10.2 15.2

Manual Integrations
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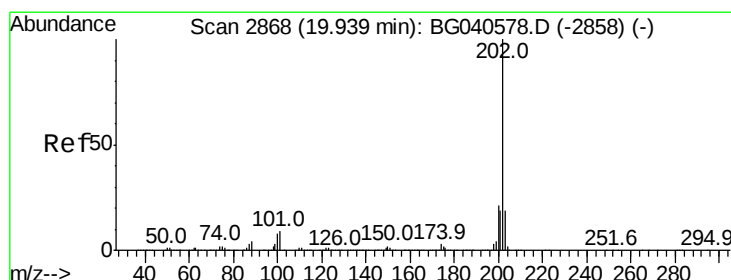
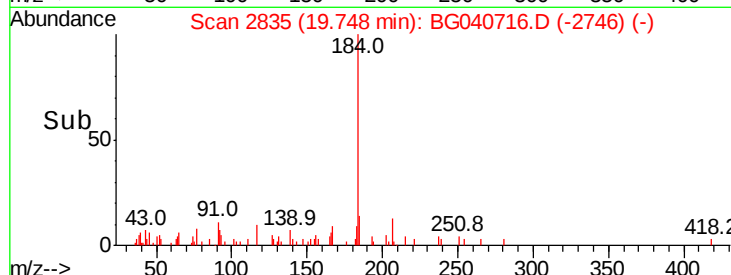
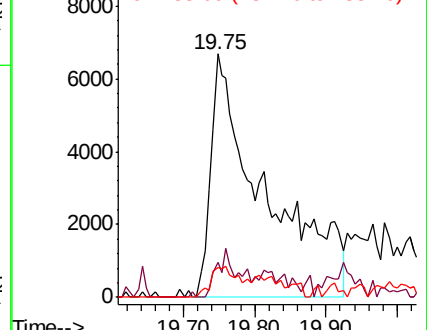
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Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#78

Pyrene

Concen: 57.861 ng/mL

RT: 19.92 min Scan# 2865

Delta R.T. -0.01 min

Lab File: BG040716.D

Acq: 2 May 2019 20:54

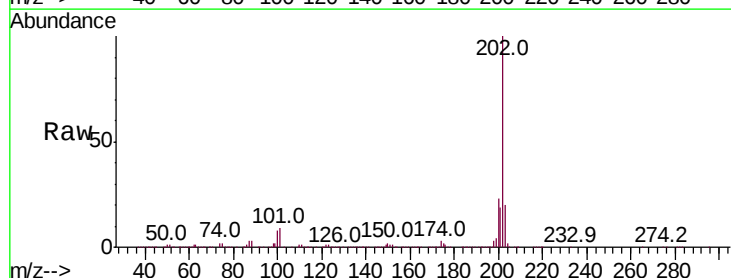
Tgt Ion:202 Resp: 1454930

Ion Ratio Lower Upper

202 100

200 22.9 17.2 25.8

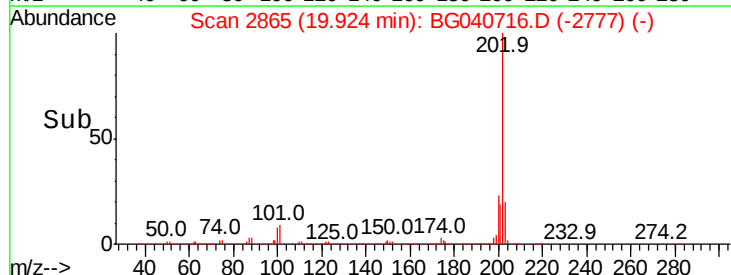
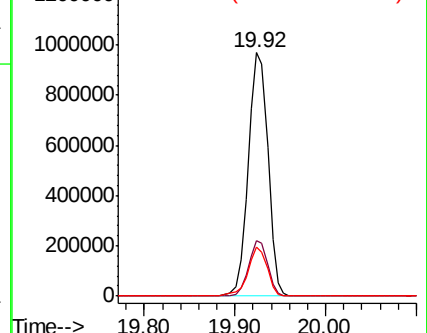
203 20.1 15.0 22.4

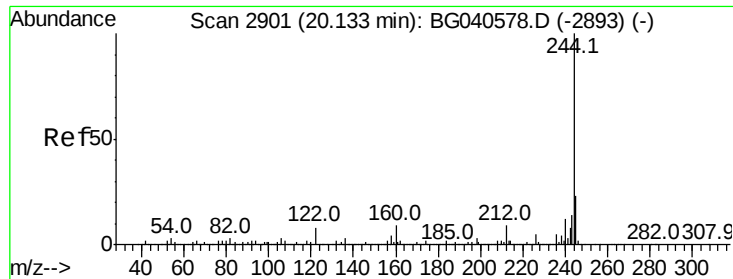


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





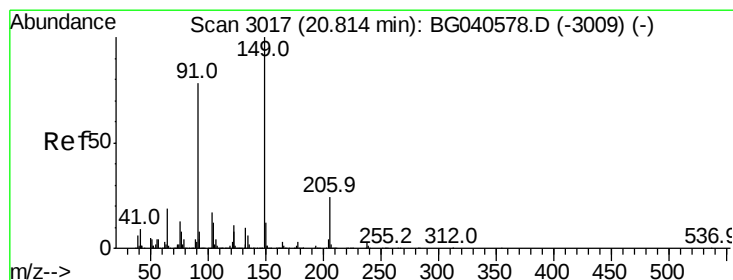
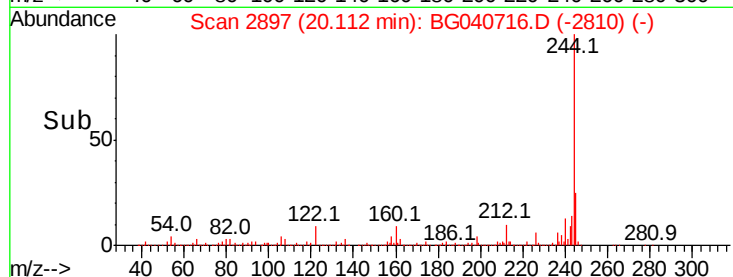
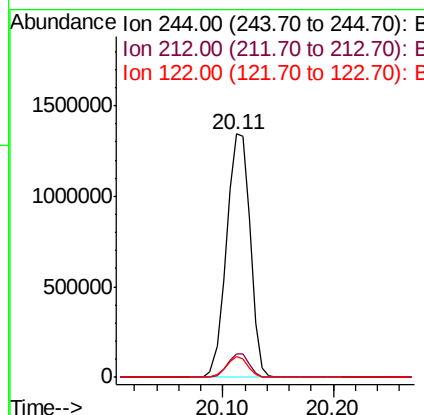
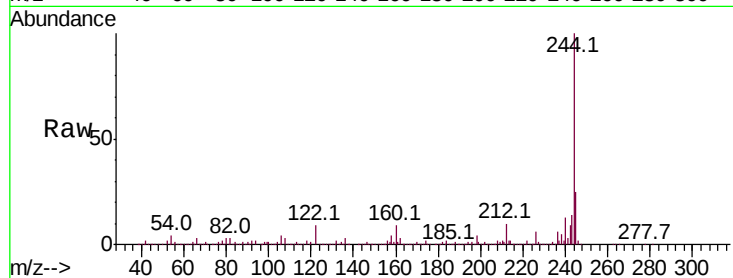
#79
Terphenyl-d14
Concen: 111.152 ng
RT: 20.11 min Scan# 2897
Delta R.T. -0.02 min
Lab File: BG040716.D
Acq: 2 May 2019 20:54

Instrument :
BNA_G
ClientSampleId :
TR-04-043019MSD

Tot Ion	Ratio	Lower	Upper
244	100		
212	9.9	7.2	10.8
122	8.8	6.6	10.0

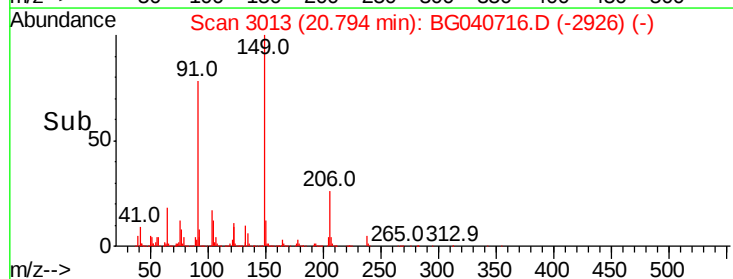
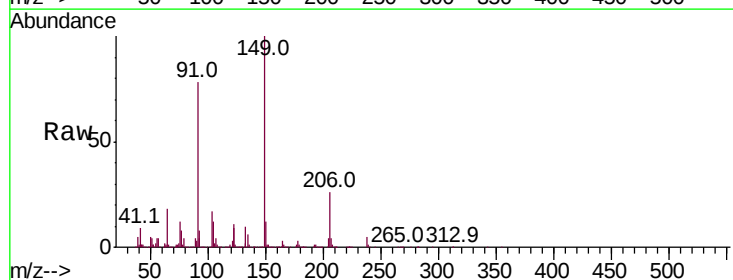
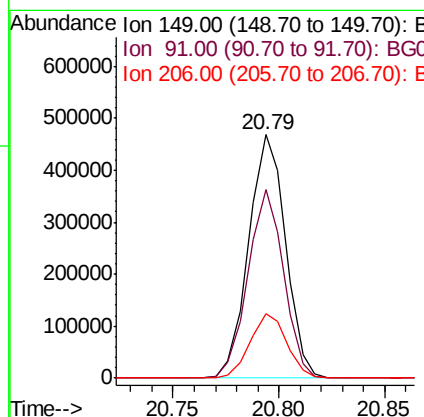
Manual Integrations
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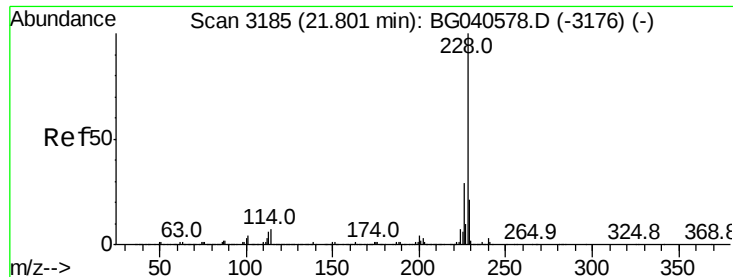
Sohil
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#80
Butylbenzylphthalate
Concen: 57.875 ng
RT: 20.79 min Scan# 3013
Delta R.T. -0.02 min
Lab File: BG040716.D
Acq: 2 May 2019 20:54

Tgt Ion	Ratio	Lower	Upper
149	100		
91	77.7	62.6	93.8
206	26.2	19.4	29.2





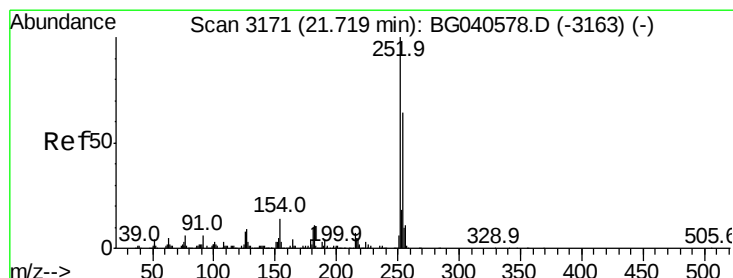
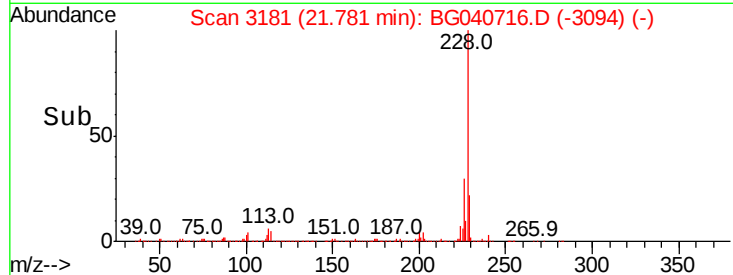
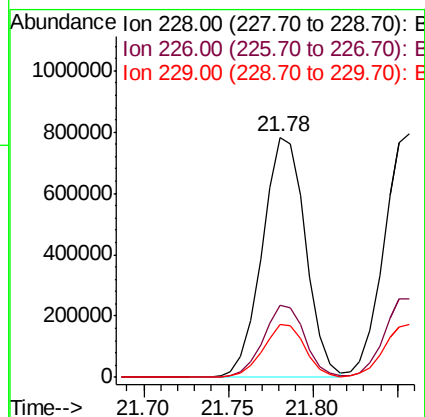
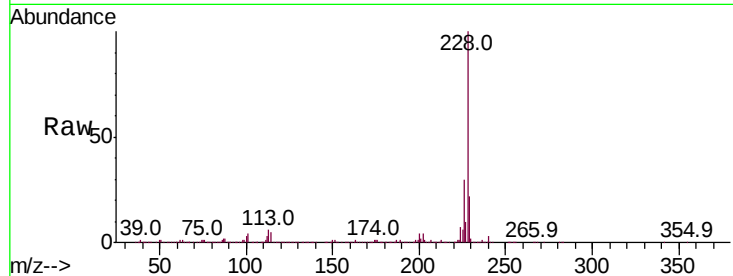
#81
Benzo(a)anthracene
Concen: 54.793 ng
RT: 21.78 min Scan# 3181
Delta R.T. -0.02 min
Lab File: BG040716.D
Acq: 2 May 2019 20:54

Instrument :
BNA_G
ClientSampleId :
TR-04-043019MSD

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.1	23.1	34.7
229	22.2	17.0	25.4

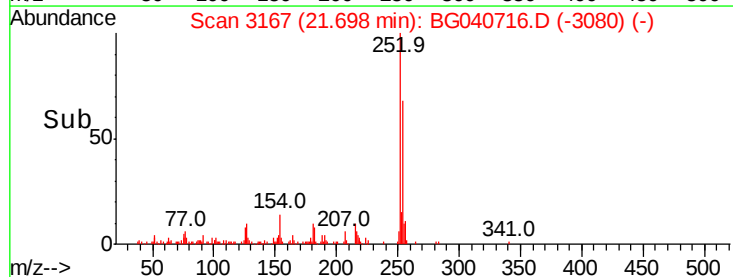
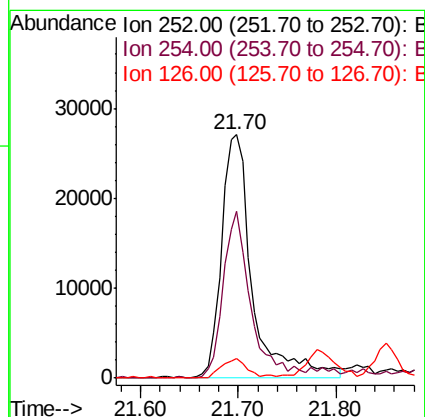
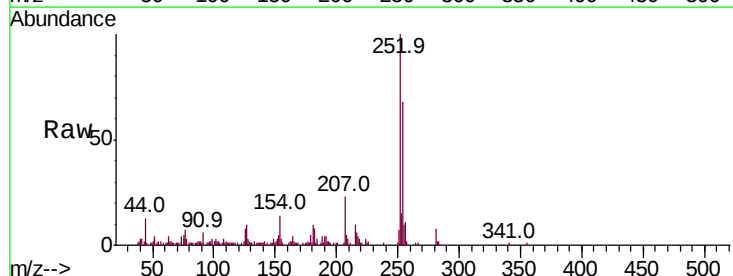
Manual Integrations
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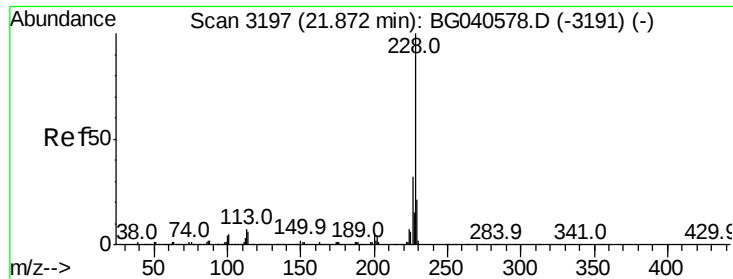
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#82
3,3'-Dichlorobenzidine
Concen: 6.580 ng
RT: 21.70 min Scan# 3167
Delta R.T. -0.02 min
Lab File: BG040716.D
Acq: 2 May 2019 20:54

Tgt Ion	Ratio	Lower	Upper
252	100		
254	68.4	51.2	76.8
126	8.3	6.6	10.0





#83

Chrysene

Concen: 56.141 ng

RT: 21.86 min Scan# 3194

Delta R.T. -0.01 min

Lab File: BG040716.D

Acq: 2 May 2019 20:54

Instrument :

BNA_G

ClientSampleId :

TR-04-043019MSD

Tot Ion:228 Resp: 1353803

Ion Ratio Lower Upper

228 100

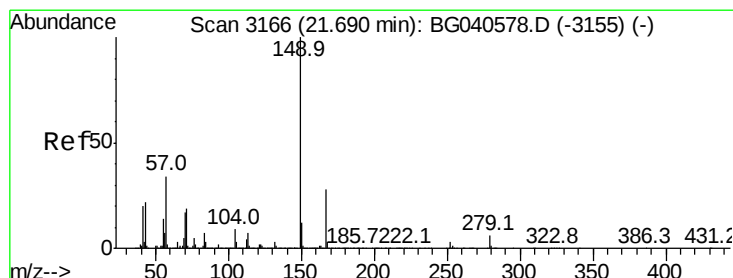
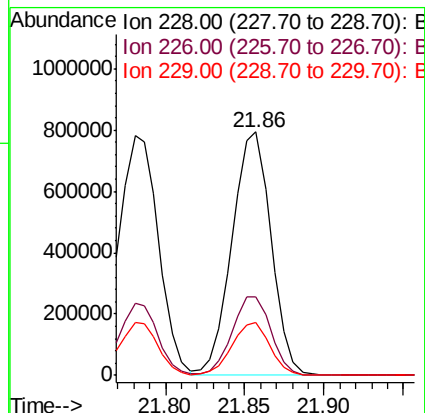
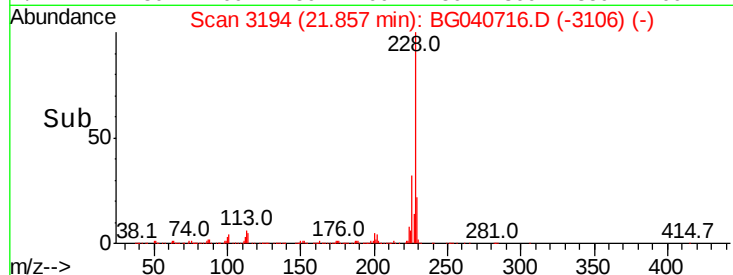
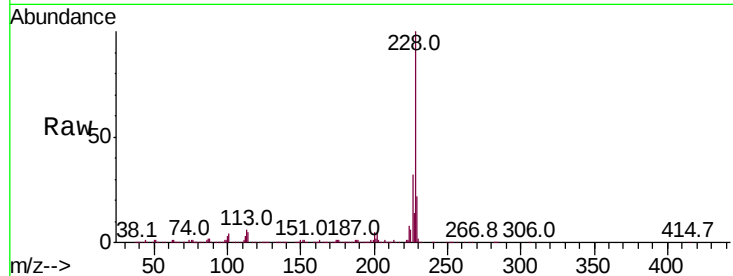
226 32.4 25.5 38.3

229 21.9 16.8 25.2

Manual Integrations
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#84

Bis(2-ethylhexyl)phthalate

Concen: 55.109 ng

RT: 21.66 min Scan# 3160

Delta R.T. -0.03 min

Lab File: BG040716.D

Acq: 2 May 2019 20:54

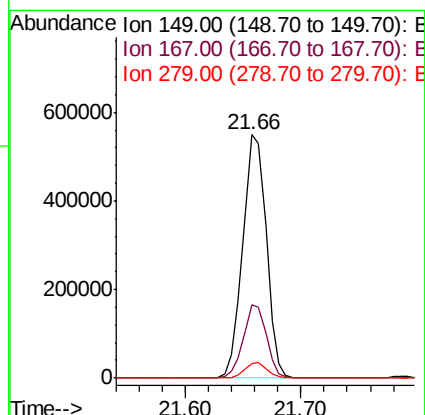
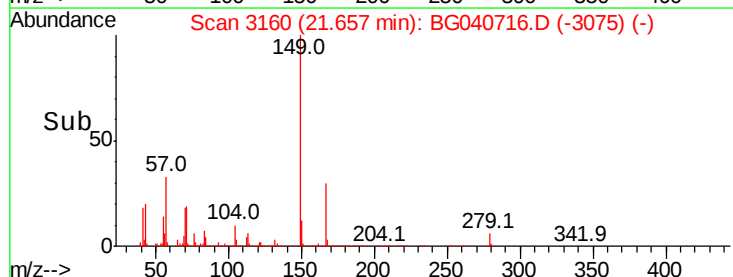
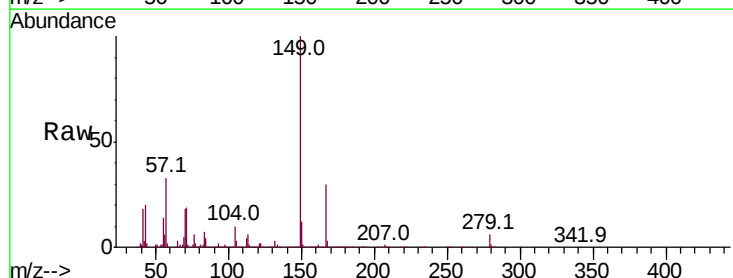
Tgt Ion:149 Resp: 779627

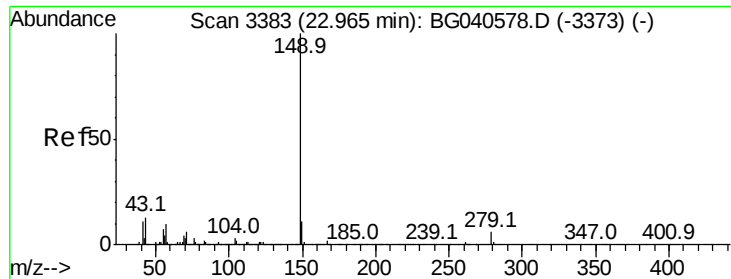
Ion Ratio Lower Upper

149 100

167 29.9 22.4 33.6

279 5.9 4.6 6.8





#85

Di-n-octyl phthalate

Concen: 55.790 ng

RT: 22.91 min Scan# 3374

Delta R.T. -0.05 min

Lab File: BG040716.D

Acq: 2 May 2019 20:54

Instrument :

BNA_G

ClientSampleId :

TR-04-043019MSD

Tot Ion:149 Resp: 1329234

Ion Ratio Lower Upper

149 100

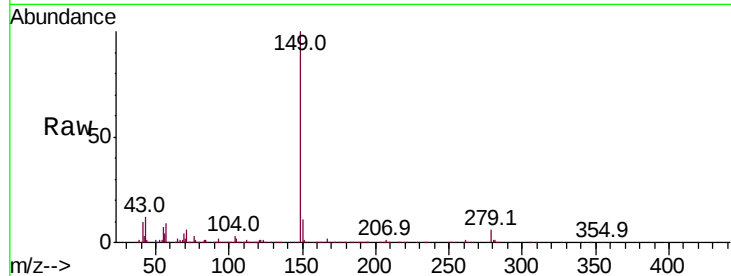
167 1.9 1.4 2.2

43 11.9 10.2 15.2

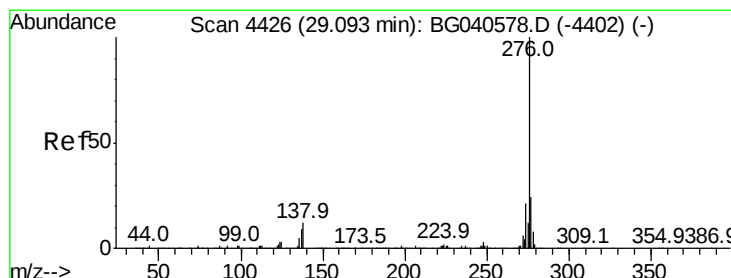
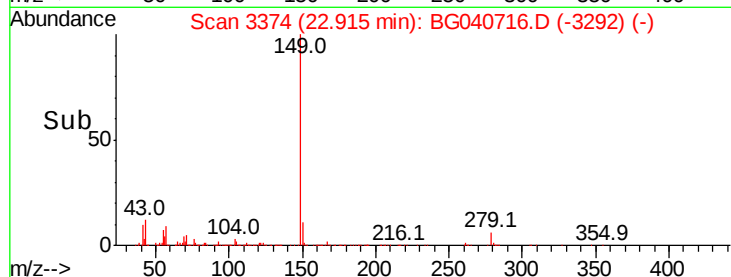
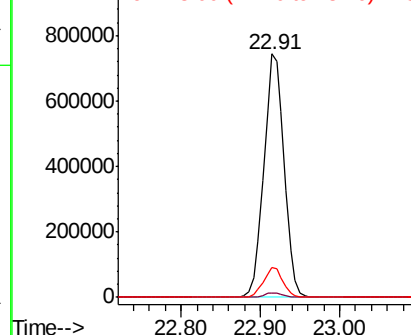
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Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 43.00 (42.70 to 43.70): BGC



#86

Indeno(1,2,3-cd)pyrene

Concen: 54.647 ng

RT: 29.03 min Scan# 4414

Delta R.T. -0.07 min

Lab File: BG040716.D

Acq: 2 May 2019 20:54

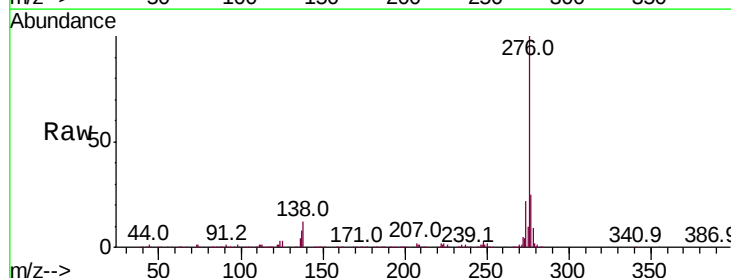
Tgt Ion:276 Resp: 1593268

Ion Ratio Lower Upper

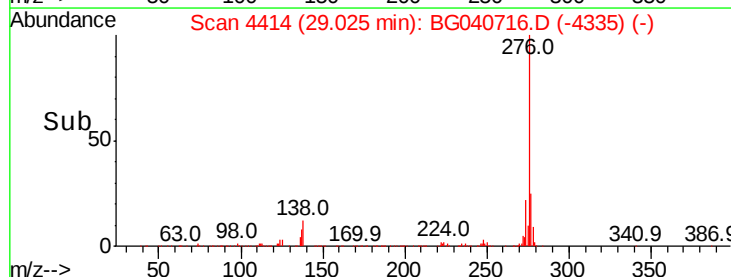
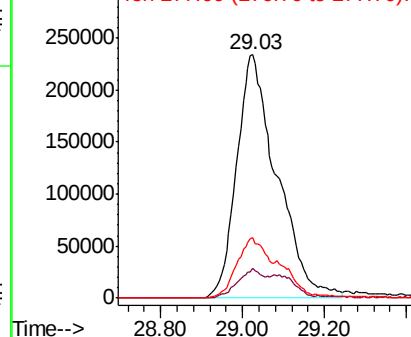
276 100

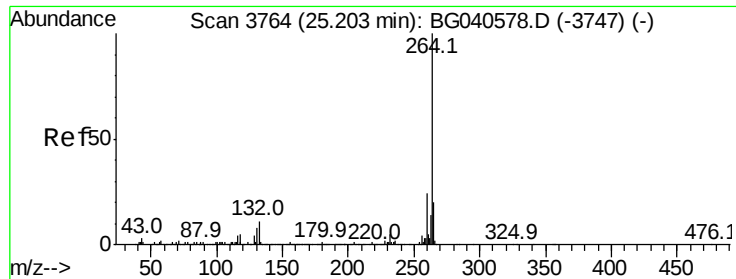
138 8.3 9.8 14.6#

277 25.6 17.3 25.9



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E





#87

Pervlene-d12

Concen: 20.000 ng

RT: 25.16 min Scan# 3756

Delta R.T. -0.04 min

Lab File: BG040716.D

Acq: 2 May 2019 20:54

Instrument :

BNA_G

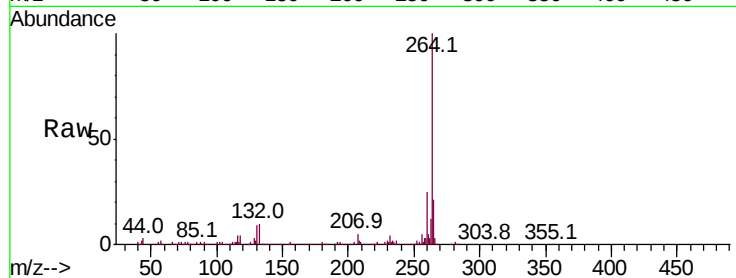
ClientSampleId :

TR-04-043019MSD

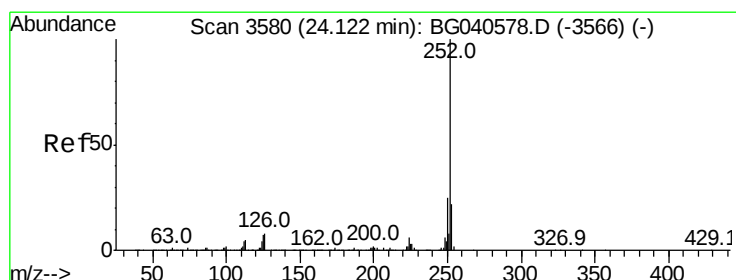
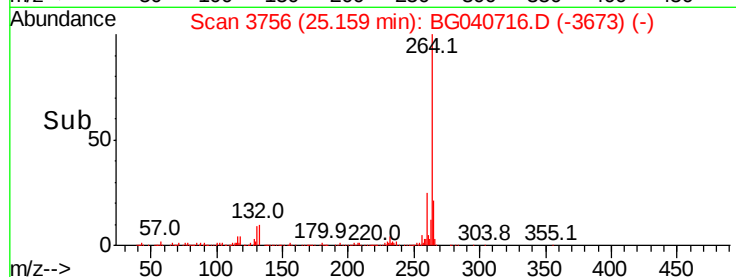
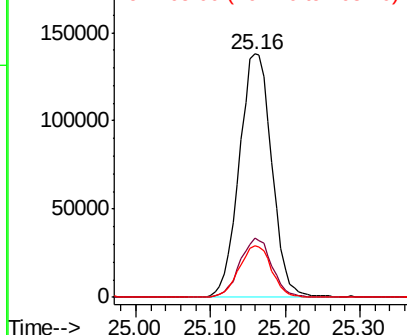
Tot Ion:	264	Resp:	417576
Ion Ratio	Lower	Upper	
264	100		
260	24.6	19.2	28.8
265	21.1	16.6	25.0

Manual Integrations
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Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E



#88

Benzo(b)fluoranthene

Concen: 56.581 ng

RT: 24.09 min Scan# 3574

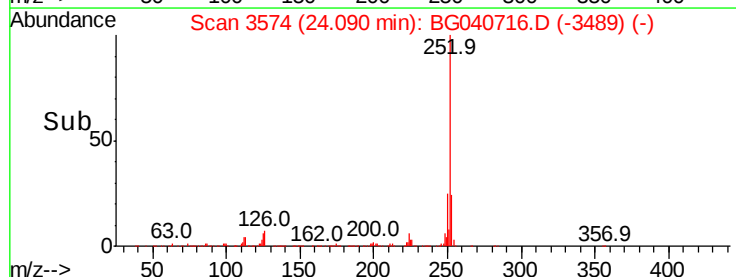
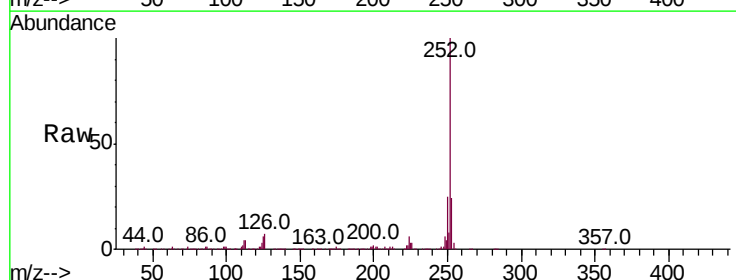
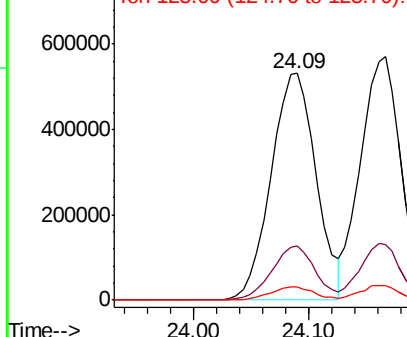
Delta R.T. -0.03 min

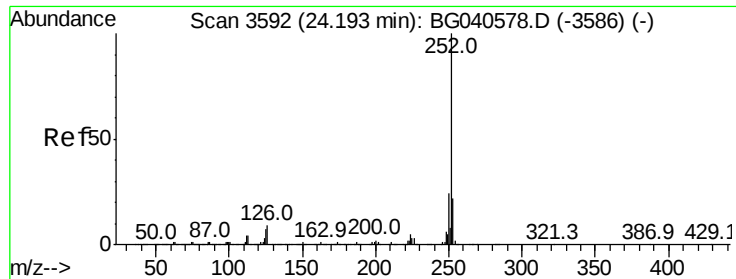
Lab File: BG040716.D

Acq: 2 May 2019 20:54

Tgt Ion:	252	Resp:	1443811
Ion Ratio	Lower	Upper	
252	100		
253	23.7	17.6	26.4
125	5.7	5.4	8.0

Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





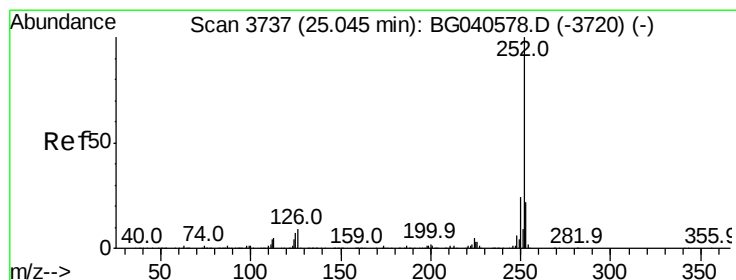
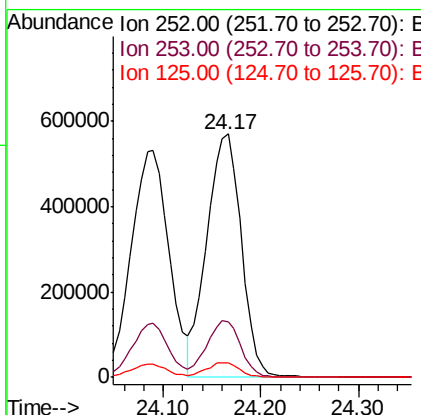
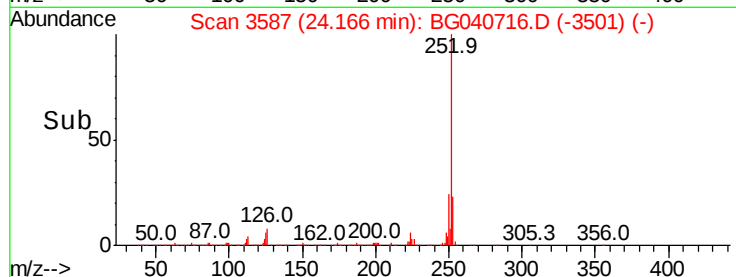
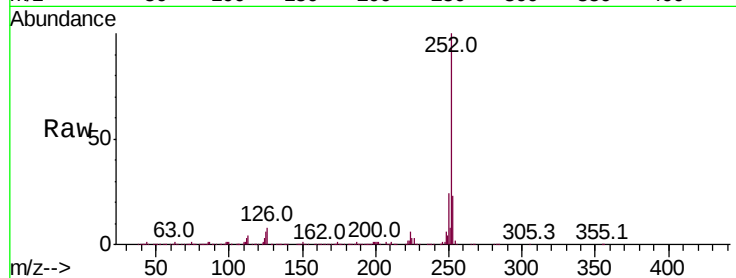
#89
Benzo(k)fluoranthene
Concen: 58.369 ng
RT: 24.17 min Scan# 3587
Delta R.T. -0.03 min
Lab File: BG040716.D
Acq: 2 May 2019 20:54

Instrument :
BNA_G
ClientSampleId :
TR-04-043019MSD

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.6	26.4
125	5.7	5.5	8.3

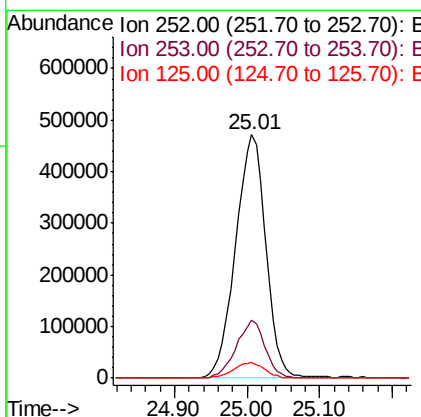
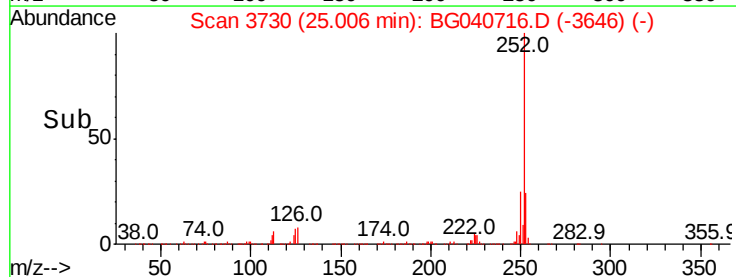
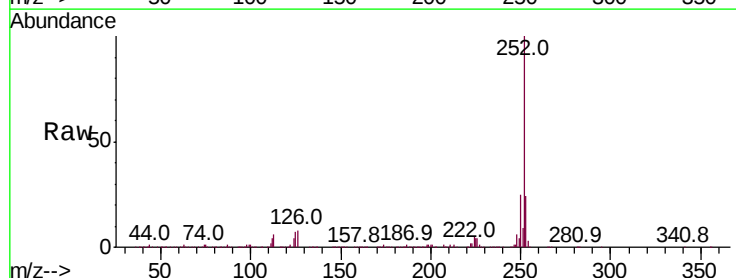
Manual Integrations
APPROVED

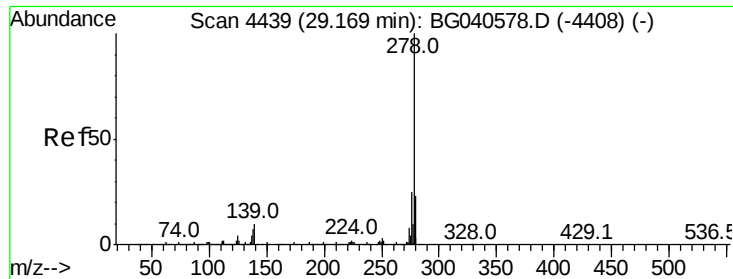
Sohil
5/3/2019 4:29:22 PM



#90
Benzo(a)pyrene
Concen: 56.532 ng
RT: 25.01 min Scan# 3730
Delta R.T. -0.04 min
Lab File: BG040716.D
Acq: 2 May 2019 20:54

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.8	26.6
125	6.7	5.7	8.5





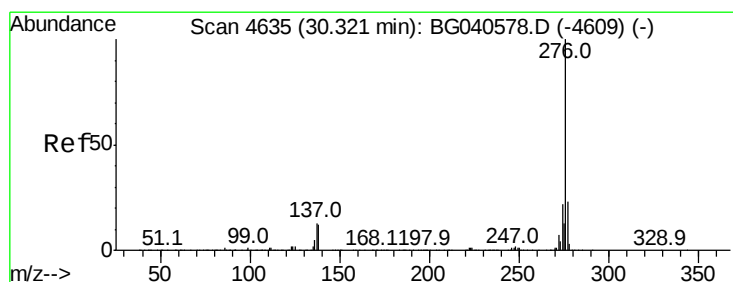
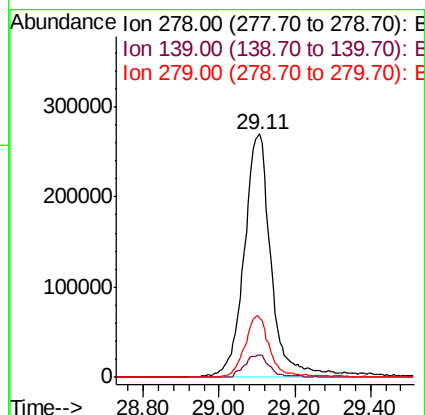
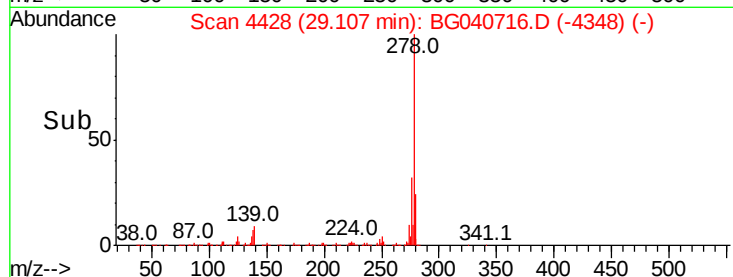
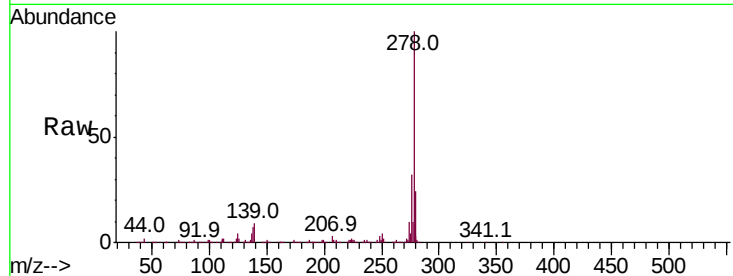
#91
Dibenzo(a,h)anthracene
Concen: 54.350 ng
RT: 29.11 min Scan# 4428
Delta R.T. -0.06 min
Lab File: BG040716.D
Acq: 2 May 2019 20:54

Instrument :
BNA_G
ClientSampleId :
TR-04-043019MSD

Tot Ion:	278	Resp:	1328498
Ion	Ratio	Lower	Upper
278	100		
139	9.3	8.2	12.4
279	24.2	18.5	27.7

Manual Integrations
APPROVED

Sohil
5/3/2019 4:29:22 PM



#92
Benzo(g,h,i)perylene
Concen: 52.197 ng
RT: 30.25 min Scan# 4622
Delta R.T. -0.07 min
Lab File: BG040716.D
Acq: 2 May 2019 20:54

Tgt Ion:	276	Resp:	1269809
Ion	Ratio	Lower	Upper
276	100		
277	23.7	18.4	27.6
138	11.5	9.8	14.6

