

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG111919\
 Data File : BG043722.D
 Acq On : 20 Nov 2019 7:56
 Operator : JU
 Sample : K5665-04MSD
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 HR-05-111419MSD

Manual Integrations
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mohammad
 11/21/2019 9:04:26 AM

Quant Time: Nov 20 08:34:32 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG102119.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 19 15:23:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.99	152	31035	20.00	ng	0.00
21) Naphthalene-d8	10.80	136	122773	20.00	ng	0.00
39) Acenaphthene-d10	14.62	164	88575	20.00	ng	0.00
64) Phenanthrene-d10	17.37	188	209983	20.00	ng	0.00
76) Chrysene-d12	21.63	240	209085	20.00	ng	0.00
87) Perylene-d12	24.80	264	223108	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.58	112	251996	148.79	ng	0.00
7) Phenol-d6	7.19	99	355339	145.83	ng	0.00
23) Nitrobenzene-d5	9.16	82	217207	91.21	ng	0.00
42) 2,4,6-Tribromophenol	16.11	330	222250	131.85	ng	0.00
45) 2-Fluorobiphenyl	13.25	172	580874	90.62	ng	0.00
79) Terphenyl-d14	19.98	244	1084688	97.33	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.46	88	22759	34.484	ng	# 38
3) Pyridine	3.87	79	72000	43.247	ng	99
4) n-Nitrosodimethylamine	3.77	42	45585	54.261	ng	96
6) Aniline	7.32	93	24276	8.648	ng	99
8) 2-Chlorophenol	7.57	128	96830	51.792	ng	95
9) Benzaldehyde	7.15	77	1993	1.664	ng	# 88
10) Phenol	7.21	94	123095	55.282	ng	94
11) bis(2-Chloroethyl)ether	7.41	93	81927	47.589	ng	94
12) 1,3-Dichlorobenzene	7.88	146	99812	42.611	ng	99
13) 1,4-Dichlorobenzene	8.02	146	102961	43.444	ng	97
14) 1,2-Dichlorobenzene	8.34	146	99624	43.053	ng	97
15) Benzyl Alcohol	8.24	79	75347	44.028	ng	98
16) 2,2'-oxybis(1-Chloropropan	8.51	45	113615	45.387	ng	99
17) 2-Methylphenol	8.46	107	83705	51.566	ng	95
18) Hexachloroethane	9.07	117	36552	42.748	ng	96
19) n-Nitroso-di-n-propylamine	8.80	70	74130	47.079	ng	95
20) 3+4-Methylphenols	8.79	107	115586	51.928	ng	96
22) Acetophenone	8.81	105	146673	46.650	ng	# 96
24) Nitrobenzene	9.20	77	109656	48.337	ng	94
25) Isophorone	9.72	82	211276	48.526	ng	99
26) 2-Nitrophenol	9.91	139	57678	52.663	ng	98
27) 2,4-Dimethylphenol	9.99	122	94688	60.320	ng	96
28) bis(2-Chloroethoxy)methane	10.20	93	110497	45.983	ng	97
29) 2,4-Dichlorophenol	10.47	162	102414	50.920	ng	93
30) 1,2,4-Trichlorobenzene	10.66	180	113047	44.595	ng	97
31) Naphthalene	10.84	128	303084	48.634	ng	98
32) Benzoic acid	10.18	122	55600	46.691	ng	# 85
33) 4-Chloroaniline	11.00	127	4256	1.666	ng	# 79
34) Hexachlorobutadiene	11.13	225	80449	42.931	ng	97
35) Caprolactam	11.74	113	32526m	46.956	ng	
36) 4-Chloro-3-methylphenol	12.11	107	116676	53.182	ng	91
37) 2-Methylnaphthalene	12.45	142	233866	48.909	ng	100
38) 1-Methylnaphthalene	12.67	142	219853m	48.324	ng	
40) 1,2,4,5-Tetrachlorobenzene	12.82	216	146833	44.793	ng	99

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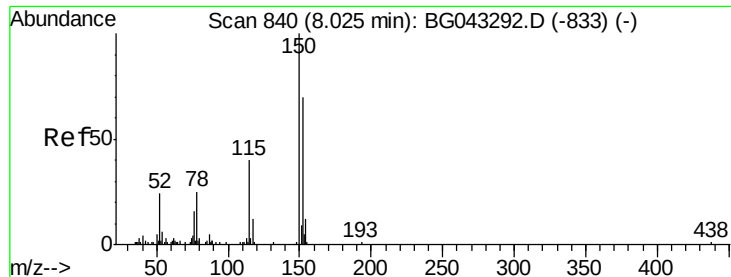
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 QLast Update : Tue Nov 19 15:23:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	12.79	237	135075	78.442	nq	99
43) 2,4,6-Trichlorophenol	13.06	196	98877	51.219	nq	97
44) 2,4,5-Trichlorophenol	13.16	196	105923	54.273	nq	# 91
46) 1,1'-Biphenyl	13.45	154	310640	46.101	nq	97
47) 2-Chloronaphthalene	13.50	162	245393	47.863	nq	97
48) 2-Nitroaniline	13.71	65	72066	47.030	nq	97
49) Acenaphthylene	14.35	152	384705	48.212	nq	99
50) Dimethylphthalate	14.08	163	357633	52.127	nq	98
51) 2,6-Dinitrotoluene	14.20	165	74056	49.686	nq	94
52) Acenaphthene	14.69	154	232809	47.843	nq	96
53) 3-Nitroaniline	14.54	138	11880	8.256	nq	# 85
54) 2,4-Dinitrophenol	14.74	184	94703	99.771	nq	# 87
55) Dibenzofuran	15.02	168	388972	49.292	nq	99
56) 4-Nitrophenol	14.88	139	91471	94.853	nq	88
57) 2,4-Dinitrotoluene	14.99	165	104575	49.095	nq	96
58) Fluorene	15.67	166	324866	49.085	nq	99
59) 2,3,4,6-Tetrachlorophenol	15.26	232	102537	49.450	nq	# 98
60) Diethylphthalate	15.44	149	325587	47.230	nq	99
61) 4-Chlorophenyl-phenylether	15.66	204	185981	48.169	nq	98
62) 4-Nitroaniline	15.71	138	47518	31.974	nq	95
63) Azobenzene	15.95	77	270662	48.514	nq	98
65) 4,6-Dinitro-2-methylphenol	15.76	198	70585	57.119	nq	94
66) n-Nitrosodiphenylamine	15.87	169	206278	34.795	nq	97
67) 4-Bromophenyl-phenylether	16.55	248	130102	46.039	nq	96
68) Hexachlorobenzene	16.68	284	142955	44.071	nq	98
69) Atrazine	16.82	200	45738	22.203	nq	96
70) Pentachlorophenol	17.03	266	151321	102.378	nq	99
71) Phenanthrene	17.41	178	502403	46.723	nq	99
72) Anthracene	17.50	178	509051	47.317	nq	100
73) Carbazole	17.78	167	353722	36.307	nq	99
74) Di-n-butylphthalate	18.32	149	533154	45.102	nq	99
75) Fluoranthene	19.42	202	644373	45.967	nq	98
78) Pyrene	19.78	202	640282	49.473	nq	98
80) Butylbenzylphthalate	20.66	149	237072	48.350	nq	99
81) Benzo(a)anthracene	21.61	228	657767	50.223	nq	98
82) 3,3'-Dichlorobenzidine	21.54	252	12823	2.531	nq	88
83) Chrysene	21.68	228	642249	49.355	nq	99
84) Bis(2-ethylhexyl)phthalate	21.51	149	345985	49.674	nq	97
85) Di-n-octyl phthalate	22.70	149	602592	50.994	nq	98
86) Indeno(1,2,3-cd)pyrene	28.43	276	797806	48.842	nq	100
88) Benzo(b)fluoranthene	23.80	252	685455	54.246	nq	100
89) Benzo(k)fluoranthene	23.87	252	696840	54.779	nq	99
90) Benzo(a)pyrene	24.66	252	613709	50.860	nq	99
91) Dibenzo(a,h)anthracene	28.49	278	684594	55.467	nq	99
92) Benzo(g,h,i)perylene	29.56	276	654228	53.738	nq	96

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



#1

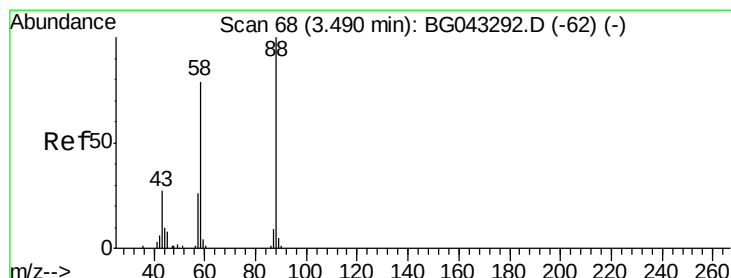
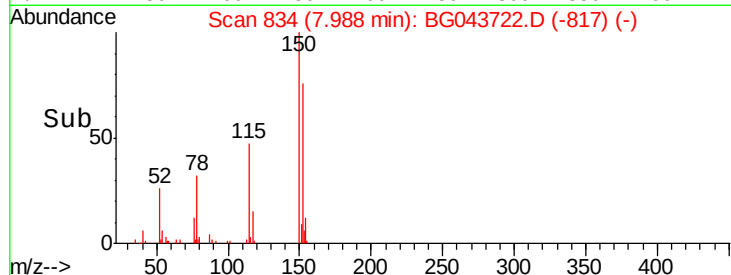
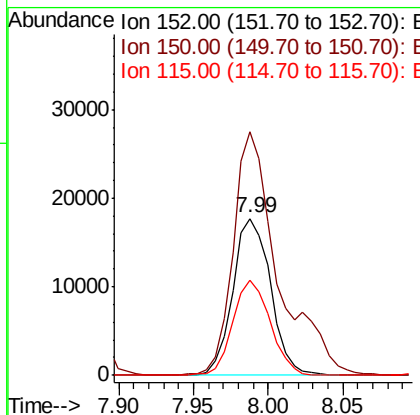
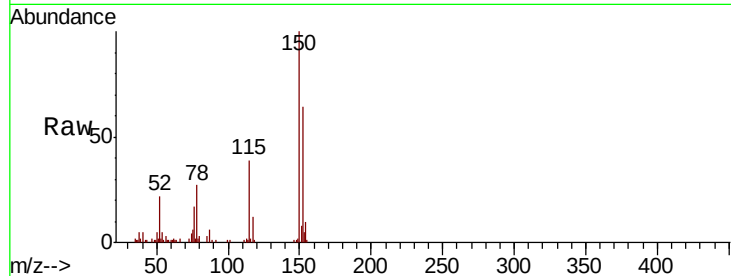
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.99 min Scan# 834
Delta R.T. -0.00 min
Lab File: BG043722.D
Acq: 20 Nov 2019 7:56

Instrument :
BNA_G
ClientSampleId :
HR-05-111419MSD

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.4	116.6	175.0
115	60.8	40.5	60.7

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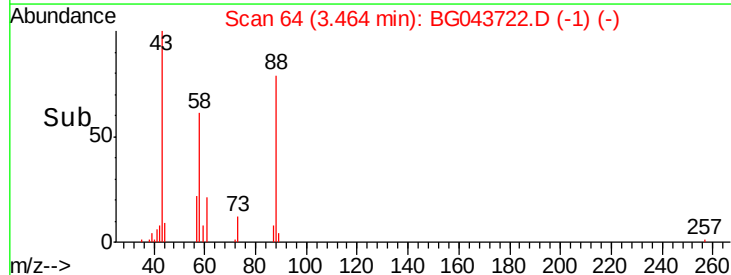
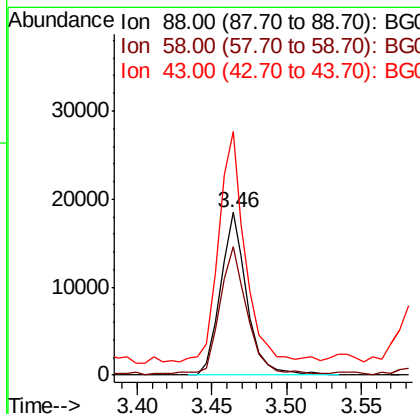
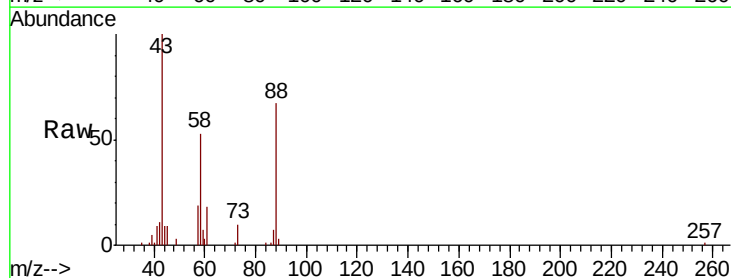
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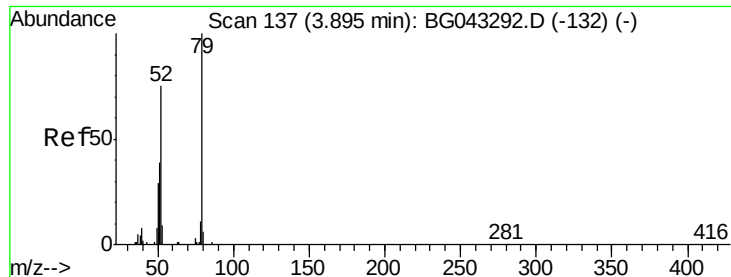


#2

1,4-Dioxane
Concen: 34.484 ng
RT: 3.46 min Scan# 64
Delta R.T. 0.02 min
Lab File: BG043722.D
Acq: 20 Nov 2019 7:56

Tgt Ion	Ratio	Lower	Upper
88	100		
58	85.0	62.2	93.4
43	140.9	30.1	45.1





#3

Pvridine

Concen: 43.247 ng

RT: 3.87 min Scan# 133

Delta R.T. 0.02 min

Lab File: BG043722.D

Acq: 20 Nov 2019 7:56

Instrument :

BNA_G

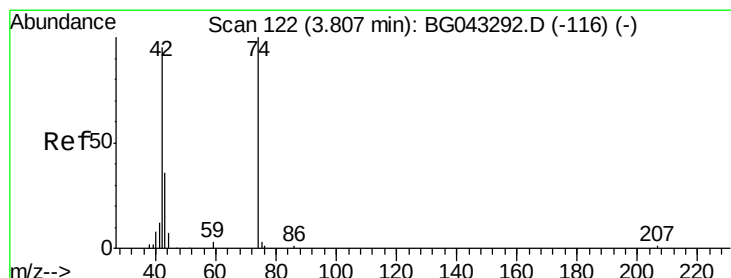
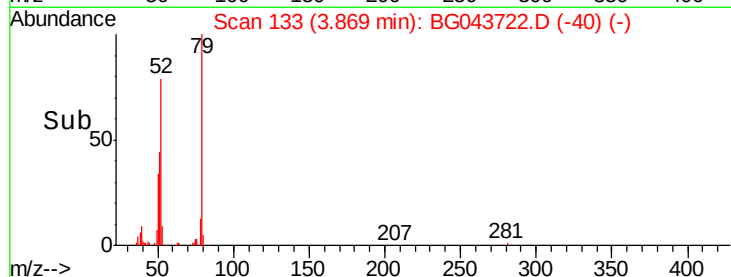
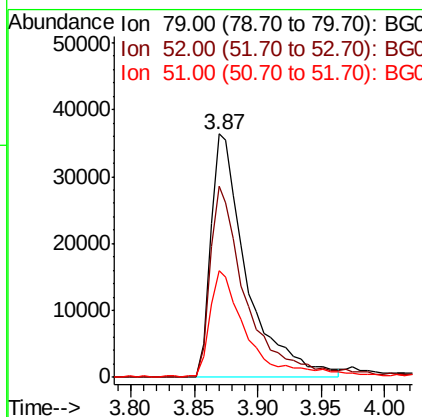
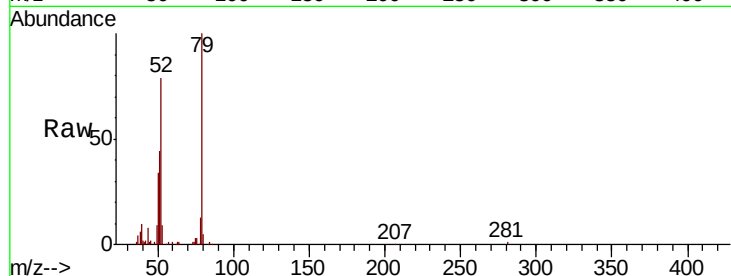
ClientSampleId :

HR-05-111419MSD

Tot Ion:	79	Resp:	72000
Ion Ratio	Lower	Upper	
79	100		
52	78.7	63.2	94.8
51	44.1	34.5	51.7

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#4

n-Nitrosodimethylamine

Concen: 54.261 ng

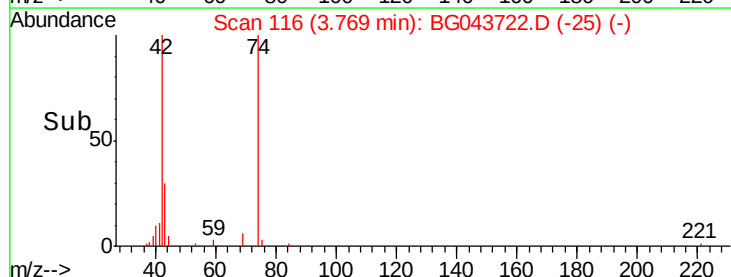
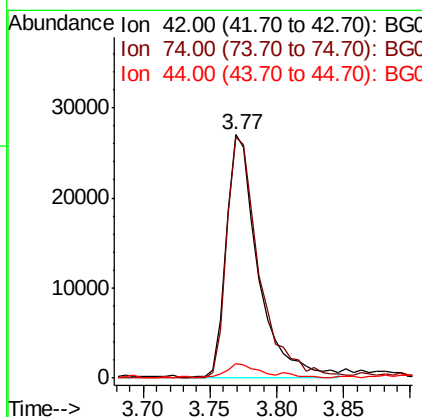
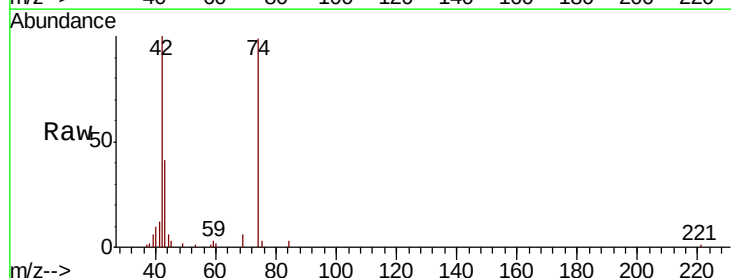
RT: 3.77 min Scan# 116

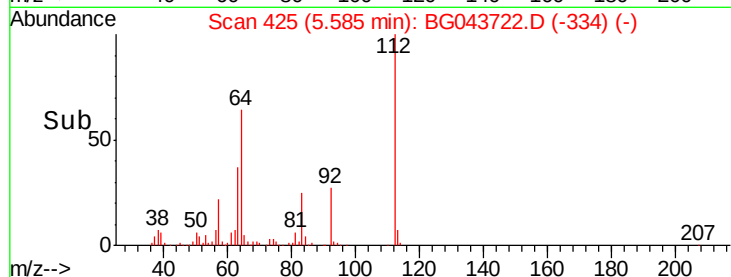
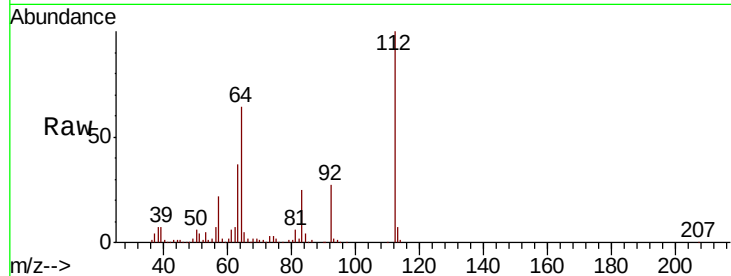
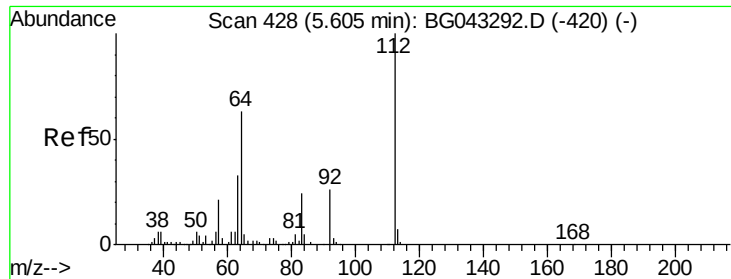
Delta R.T. 0.00 min

Lab File: BG043722.D

Acq: 20 Nov 2019 7:56

Tgt Ion:	42	Resp:	45585
Ion Ratio	Lower	Upper	
42	100		
74	99.1	83.0	124.6
44	5.7	4.4	6.6





#5

2-Fluorophenol

Concen: 148.790 ng

RT: 5.58 min Scan# 425

Delta R.T. 0.00 min

Lab File: BG043722.D

Acq: 20 Nov 2019 7:56

Instrument :

BNA_G

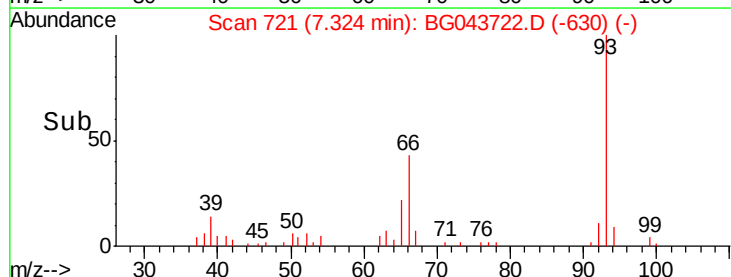
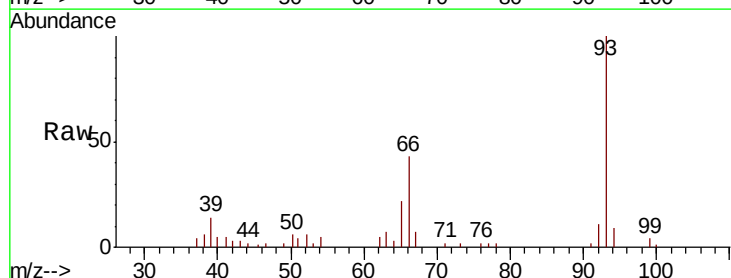
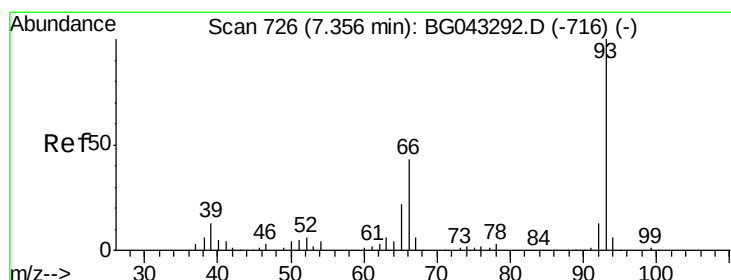
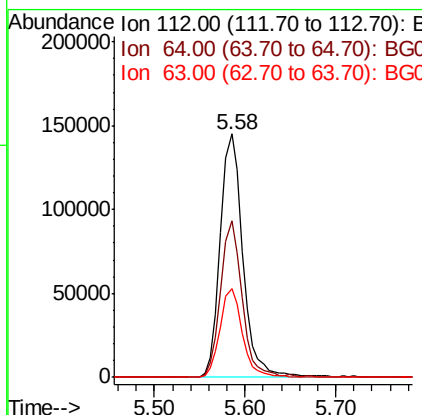
ClientSampleId :

HR-05-111419MSD

Tot Ion	Ratio	Resp	Lower	Upper
112	100	251996		
64	64.1	50.6	75.8	
63	36.5	30.5	45.7	

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#6

Aniline

Concen: 8.648 ng

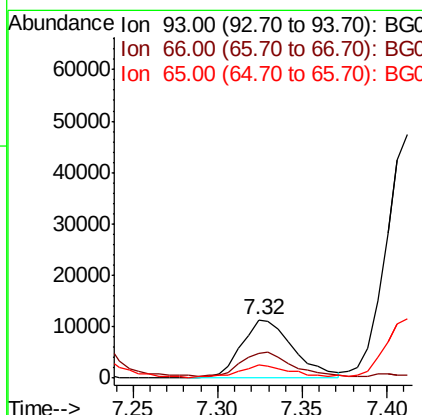
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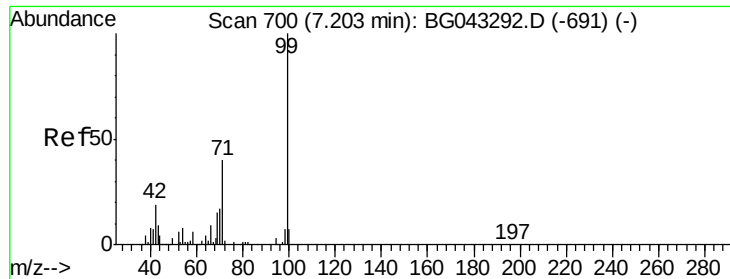
Delta R.T. 0.00 min

Lab File: BG043722.D

Acq: 20 Nov 2019 7:56

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	24276		
66	43.4	35.4	53.2	
65	21.9	17.1	25.7	





#7

Phenol-d6

Concen: 145.825 ng

RT: 7.19 min Scan# 698

Delta R.T. 0.00 min

Lab File: BG043722.D

Acq: 20 Nov 2019 7:56

Instrument :

BNA_G

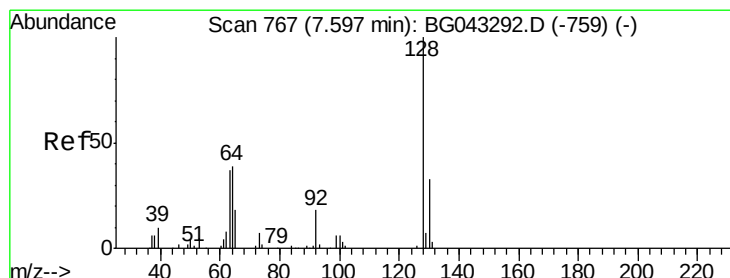
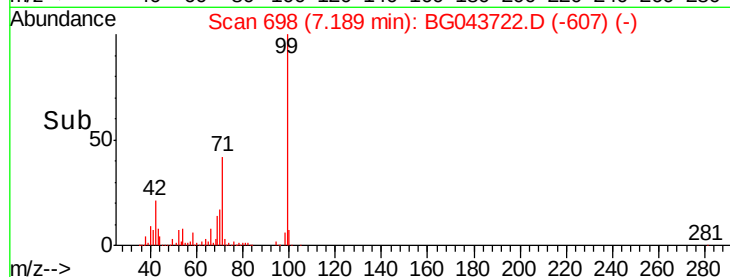
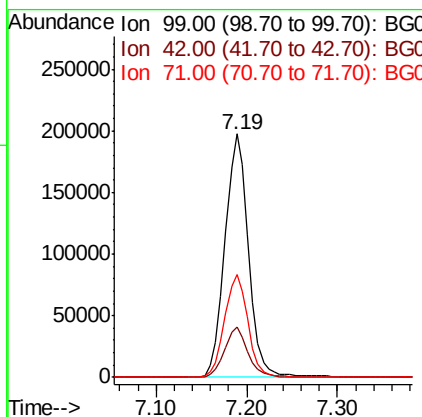
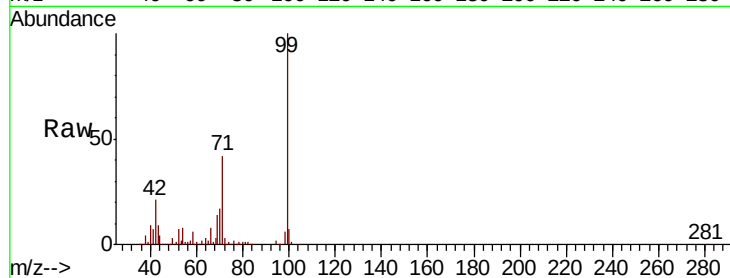
ClientSampleId :

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Tot Ion:	99	Resp:	355339
Ion	Ratio	Lower	Upper
99	100		
42	20.5	15.8	23.8
71	42.3	34.4	51.6

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#8

2-Chlorophenol

Concen: 51.792 ng

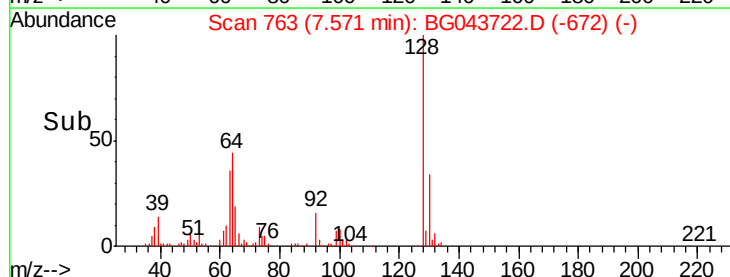
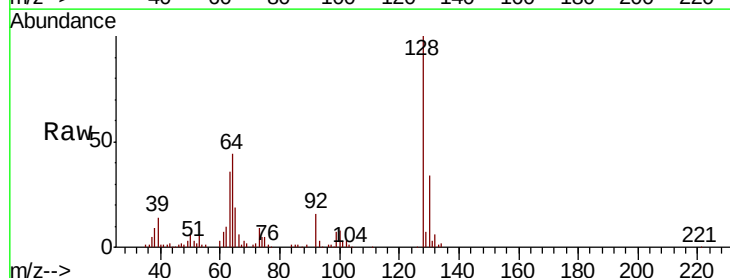
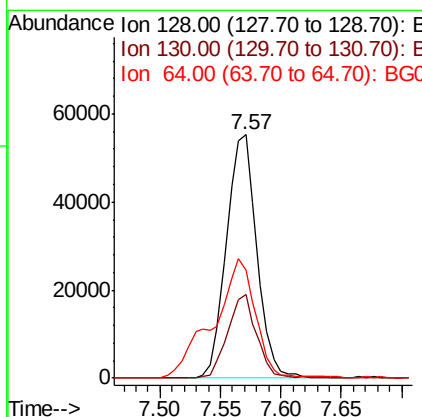
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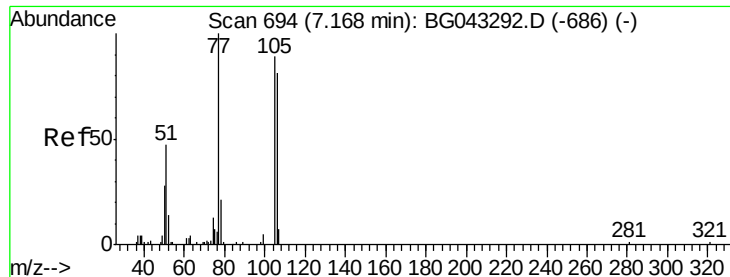
Delta R.T. 0.00 min

Lab File: BG043722.D

Acq: 20 Nov 2019 7:56

Tgt Ion:	128	Resp:	96830
Ion	Ratio	Lower	Upper
128	100		
130	34.2	14.5	54.5
64	44.2	29.2	69.2





#9

Benzaldehyde

Concen: 1.664 ng

RT: 7.15 min Scan# 691

Delta R.T. 0.02 min

Lab File: BG043722.D

Acq: 20 Nov 2019 7:56

Instrument :

BNA_G

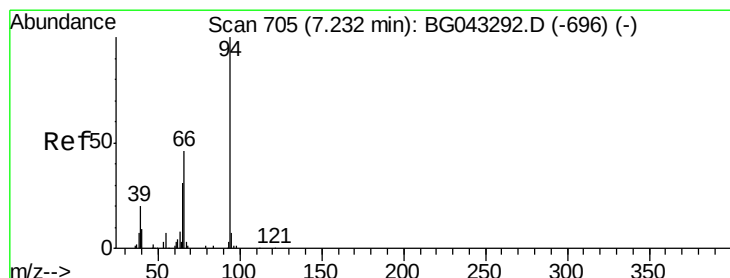
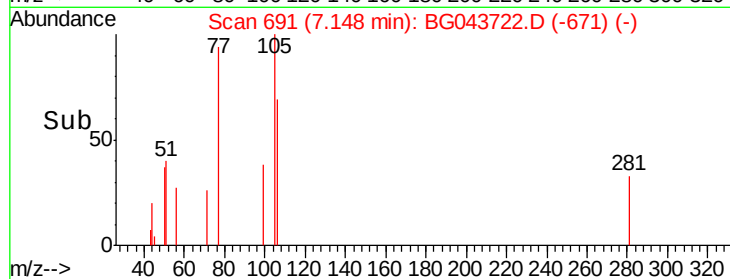
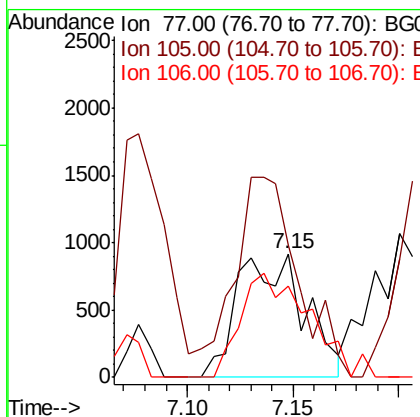
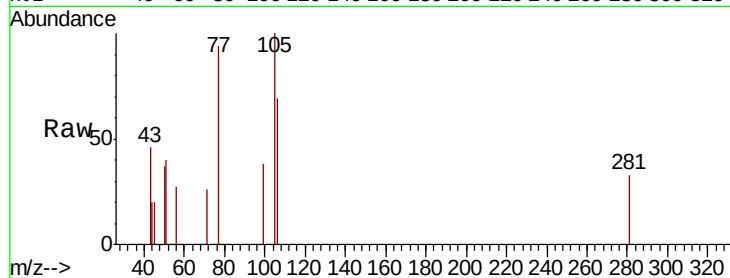
ClientSampleID :

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Tot Ion:	77	Resp:	1993
Ion	Ratio	Lower	Upper
77	100		
105	106.7	84.9	124.9
106	73.4	75.1	115.1#

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#10

Phenol

Concen: 55.282 ng

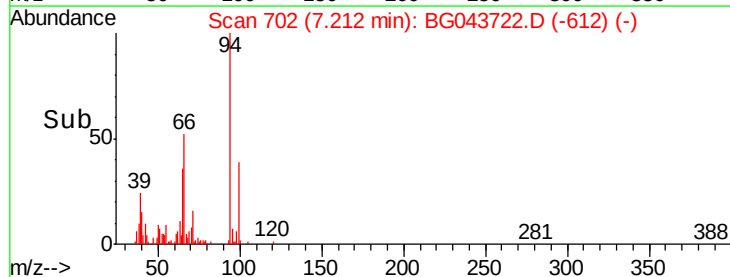
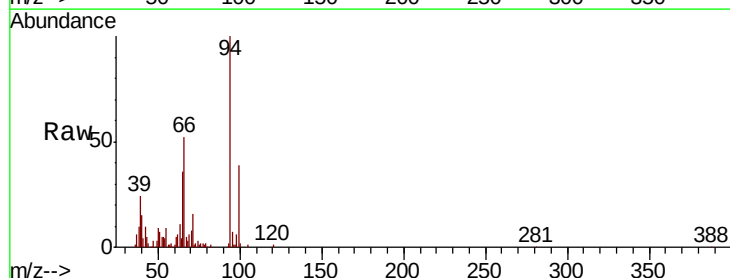
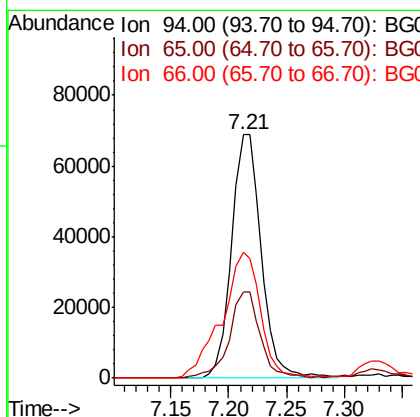
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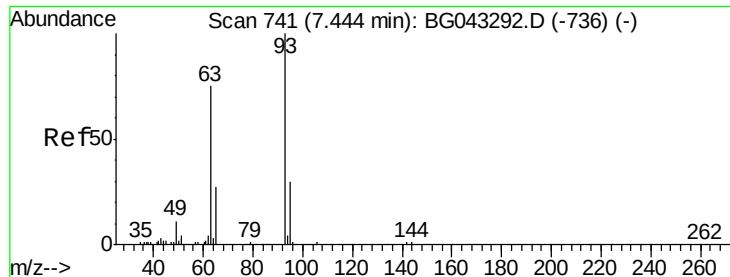
Delta R.T. -0.00 min

Lab File: BG043722.D

Acq: 20 Nov 2019 7:56

Tgt Ion:	94	Resp:	123095
Ion	Ratio	Lower	Upper
94	100		
65	35.6	11.4	51.4
66	51.6	28.4	68.4





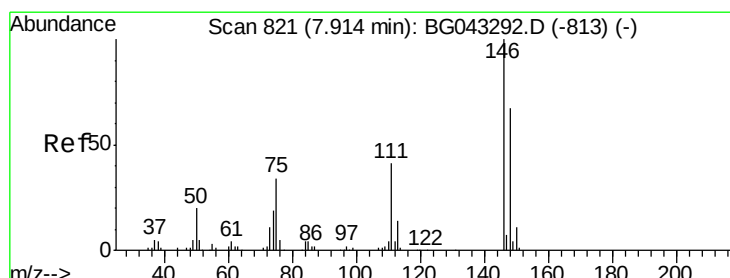
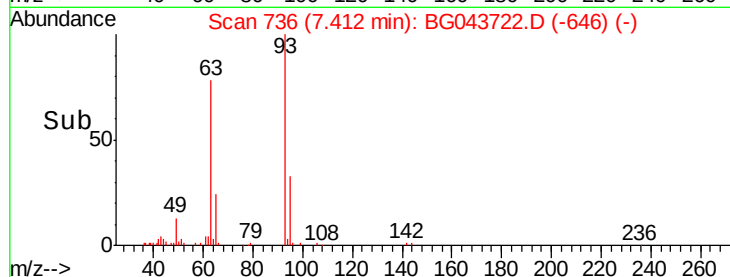
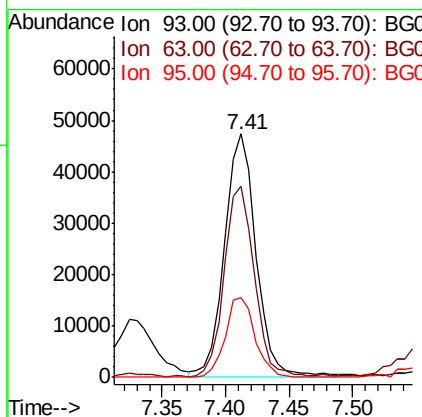
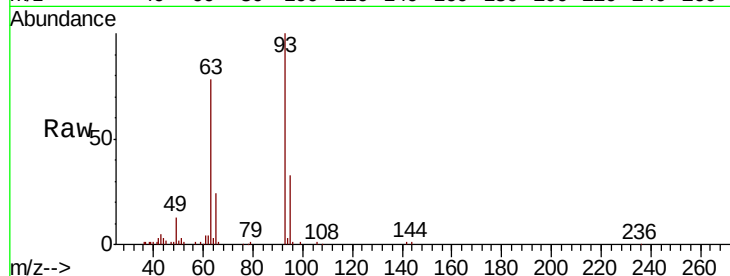
#11
bis(2-Chloroethyl)ether
Concen: 47.589 ng
RT: 7.41 min Scan# 736
Delta R.T. -0.00 min
Lab File: BG043722.D
Acq: 20 Nov 2019 7:56

Instrument :
BNA_G
ClientSampleId :
HR-05-111419MSD

Tot Ion	Ratio	Lower	Upper
93	100		
63	78.5	54.9	94.9
95	32.7	7.2	47.2

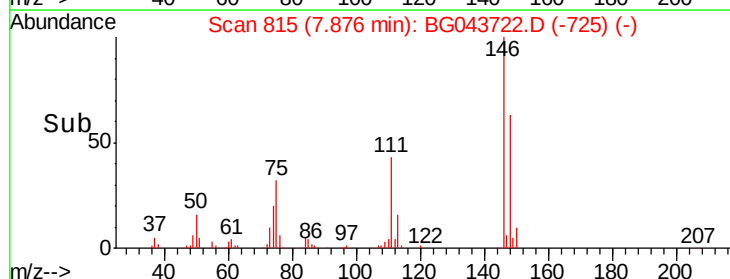
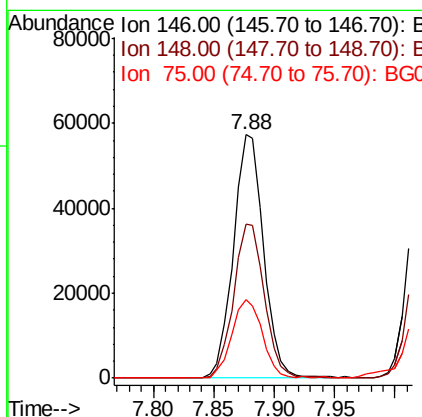
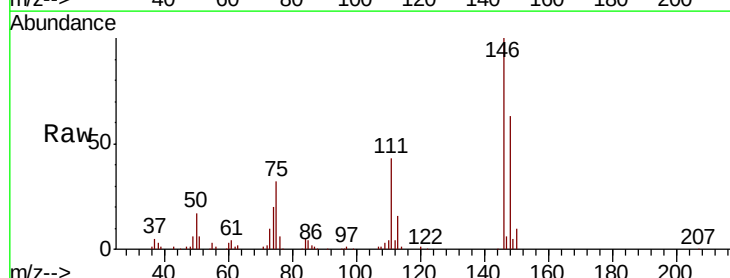
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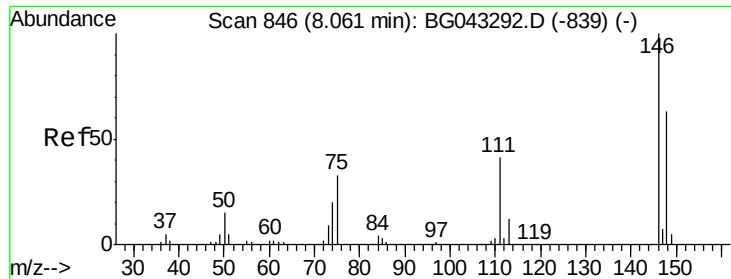
mohammad
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#12
1,3-Dichlorobenzene
Concen: 42.611 ng
RT: 7.88 min Scan# 815
Delta R.T. -0.00 min
Lab File: BG043722.D
Acq: 20 Nov 2019 7:56

Tgt Ion	Ratio	Lower	Upper
146	100		
148	63.2	51.4	77.2
75	32.2	26.2	39.2





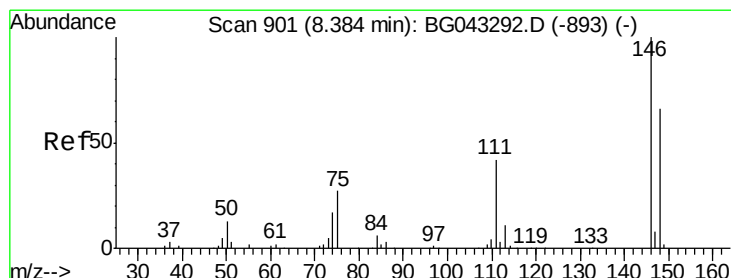
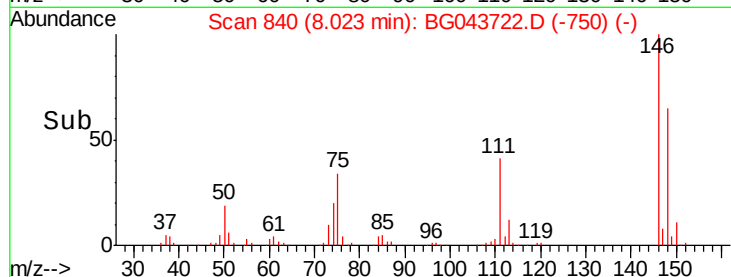
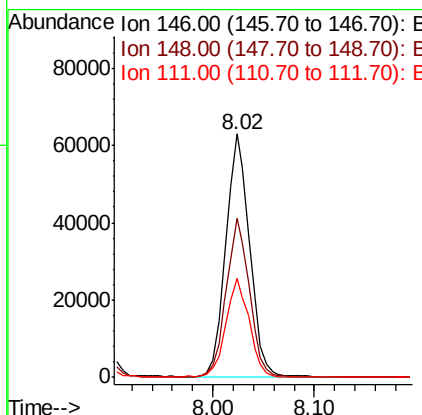
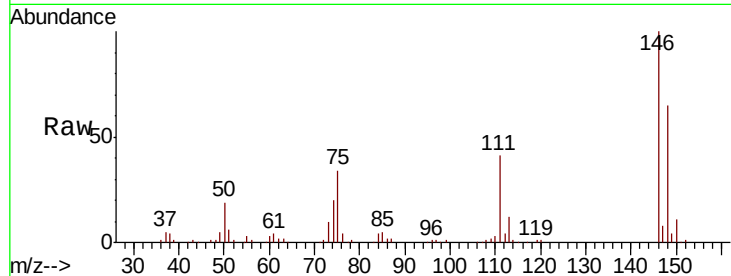
#13
 1,4-Dichlorobenzene
 Concen: 43.444 ng
 RT: 8.02 min Scan# 840
 Delta R.T. -0.00 min
 Lab File: BG043722.D
 Acq: 20 Nov 2019 7:56

Instrument :
 BNA_G
 ClientSampleId :
 HR-05-111419MSD

Tot Ion	Ratio	Lower	Upper
146	100		
148	65.5	51.0	76.6
111	40.8	34.3	51.5

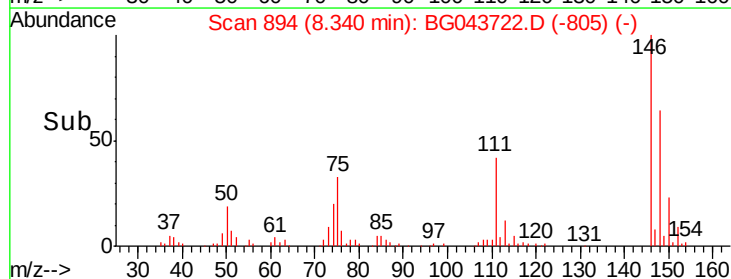
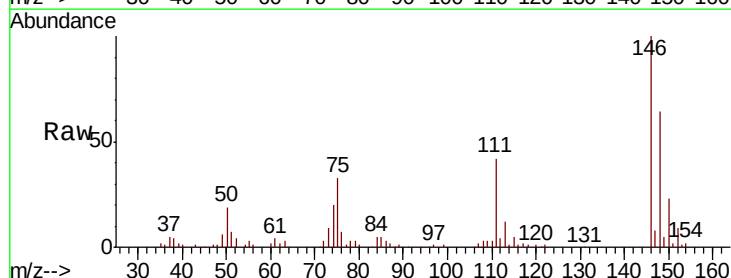
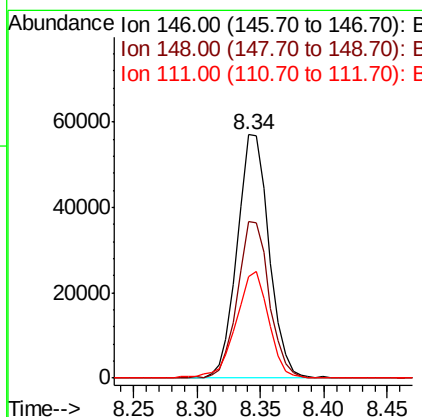
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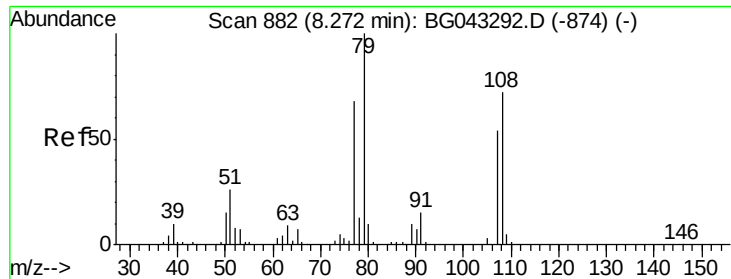
mohammad
 11/21/2019 9:04:26 AM



#14
 1,2-Dichlorobenzene
 Concen: 43.053 ng
 RT: 8.34 min Scan# 894
 Delta R.T. -0.01 min
 Lab File: BG043722.D
 Acq: 20 Nov 2019 7:56

Tgt Ion	Ratio	Lower	Upper
146	100		
148	64.3	53.4	80.2
111	41.8	35.3	52.9





#15

Benzyl Alcohol

Concen: 44.028 ng

RT: 8.24 min Scan# 877

Delta R.T. 0.00 min

Lab File: BG043722.D

Acq: 20 Nov 2019 7:56

Instrument :

BNA_G

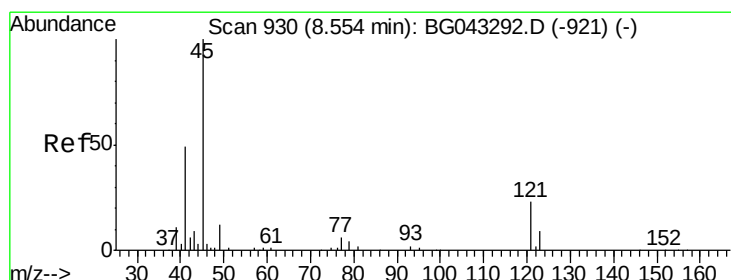
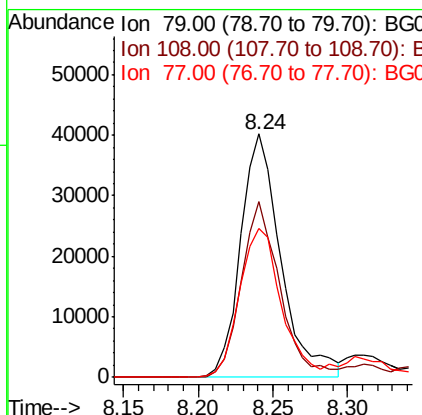
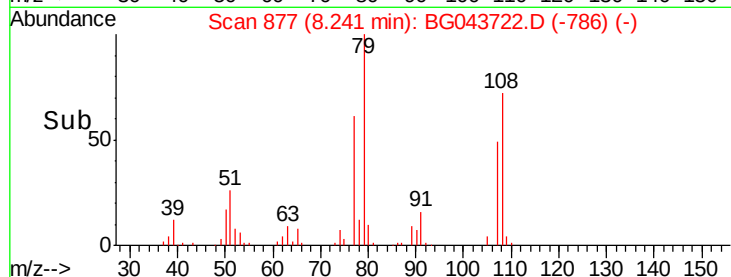
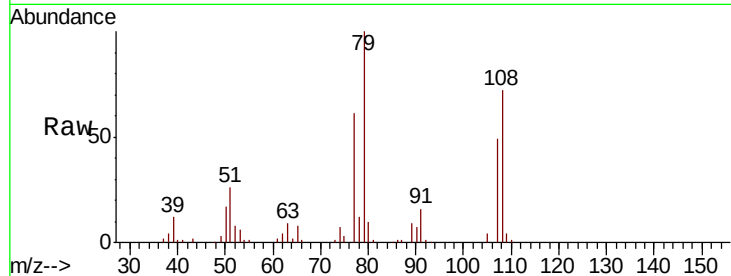
ClientSampleId :

HR-05-111419MSD

Tot Ion	Ratio	Lower	Upper
79	100		
108	72.1	56.0	84.0
77	61.0	47.9	71.9

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#16

2,2'-oxybis(1-Chloropropane)

Concen: 45.387 ng

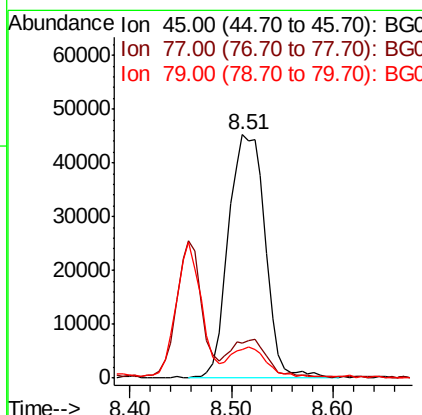
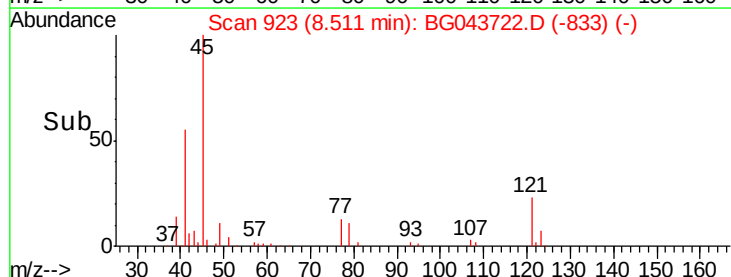
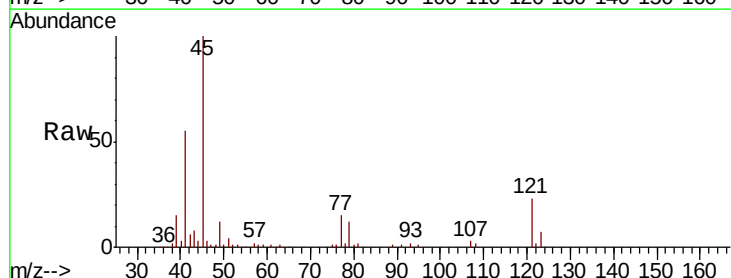
RT: 8.51 min Scan# 923

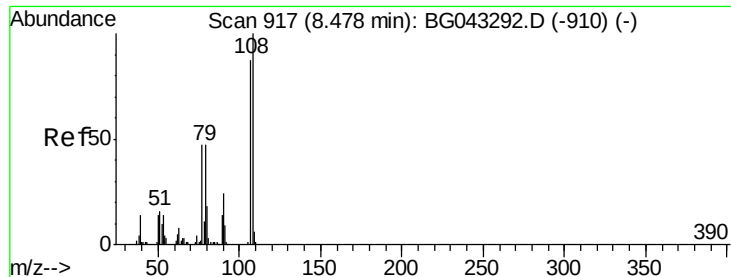
Delta R.T. -0.00 min

Lab File: BG043722.D

Acq: 20 Nov 2019 7:56

Tgt Ion	Ratio	Lower	Upper
45	100		
77	14.6	0.0	35.2
79	11.8	0.0	32.4





#17

2-Methylphenol

Concen: 51.566 ng

RT: 8.46 min Scan# 914

Delta R.T. 0.00 min

Lab File: BG043722.D

Acq: 20 Nov 2019 7:56

Instrument :

BNA_G

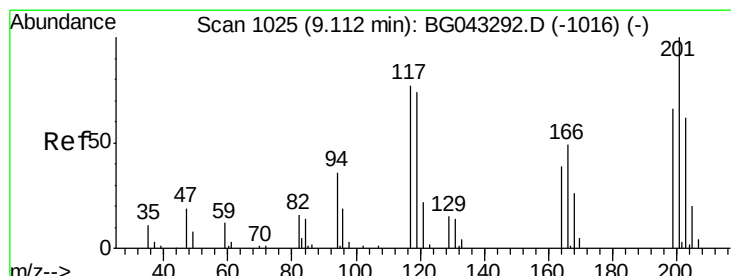
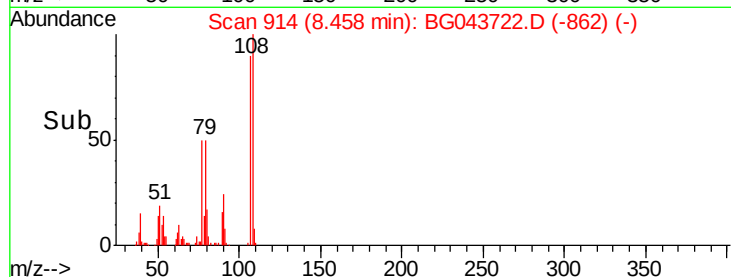
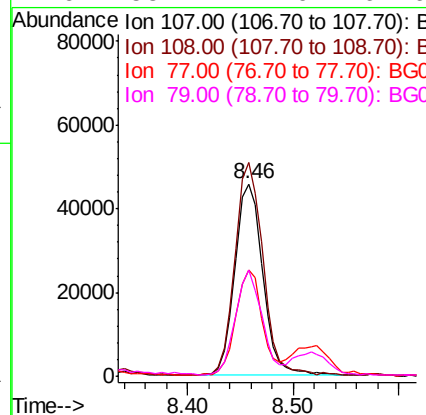
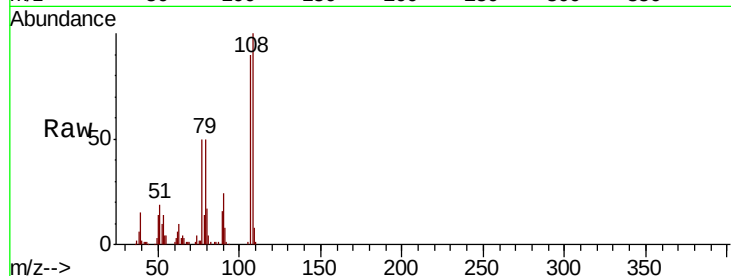
ClientSampleId :

HR-05-111419MSD

Tot Ion	Ratio	Resp	Lower	Upper
107	100			
108	111.2	84.7	127.1	
77	55.6	46.2	69.4	
79	55.2	41.0	61.6	

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#18

Hexachloroethane

Concen: 42.748 ng

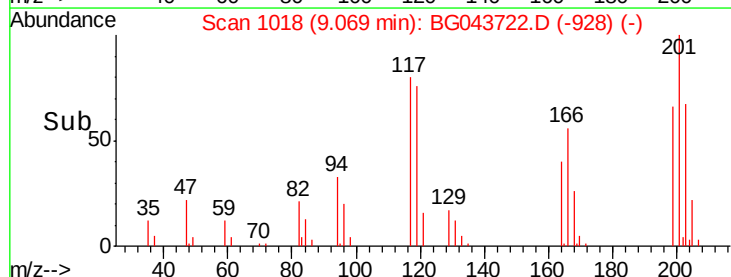
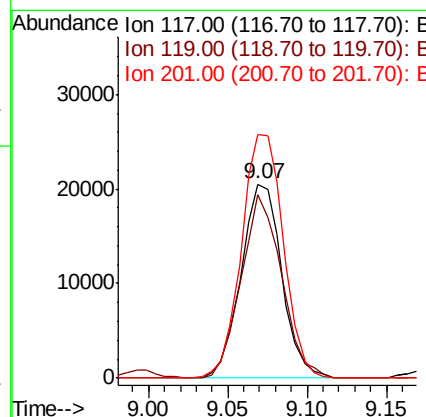
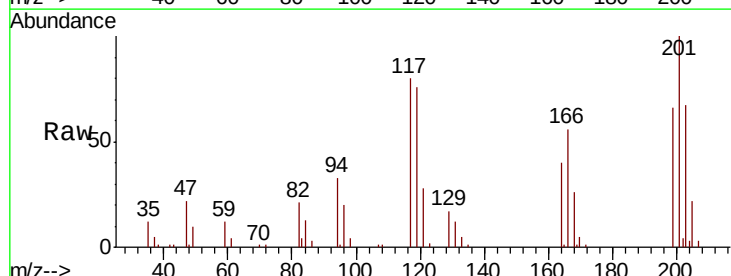
RT: 9.07 min Scan# 1018

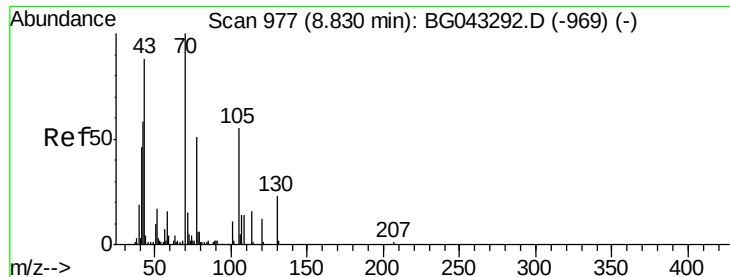
Delta R.T. -0.00 min

Lab File: BG043722.D

Acq: 20 Nov 2019 7:56

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	94.8	81.7	122.5	
201	125.4	98.6	147.8	





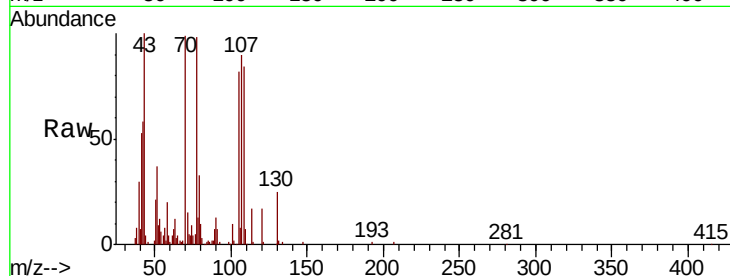
#19
n-Nitroso-di-n-propylamine
Concen: 47.079 ng
RT: 8.80 min Scan# 972
Delta R.T. 0.00 min
Lab File: BG043722.D
Acq: 20 Nov 2019 7:56

Instrument :
BNA_G
ClientSampleId :
HR-05-111419MSD

Tot Ion	Ion	Ratio	Lower	Upper
70	100			
42	58.3	49.7	74.5	
101	10.1	9.7	14.5	
130	25.5	17.7	26.5	

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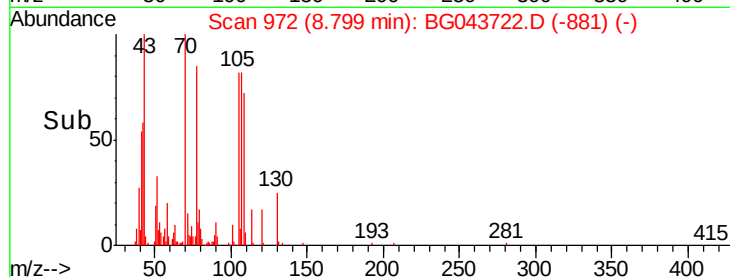
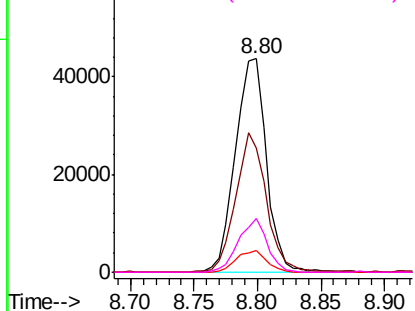
Abundance

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: 51.928 ng
RT: 8.79 min Scan# 971
Delta R.T. 0.00 min
Lab File: BG043722.D
Acq: 20 Nov 2019 7:56

Tgt Ion	Ion	Ratio	Lower	Upper
107	100			
108	88.0	69.5	109.5	
77	59.3	32.8	72.8	
79	33.9	15.3	55.3	

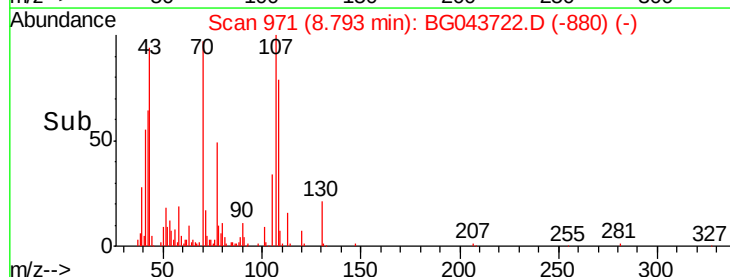
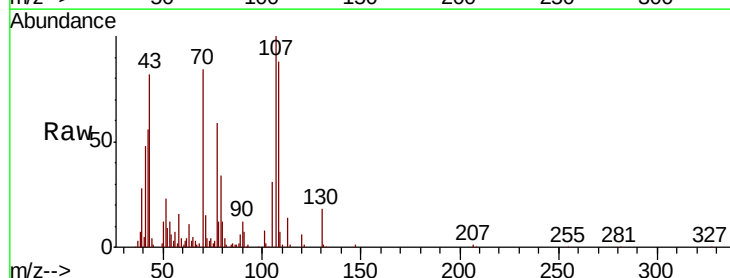
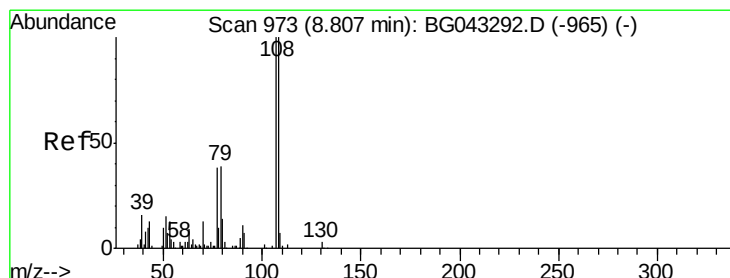
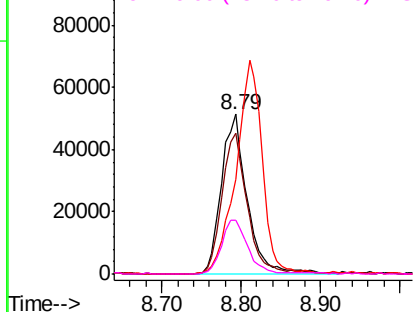
Abundance

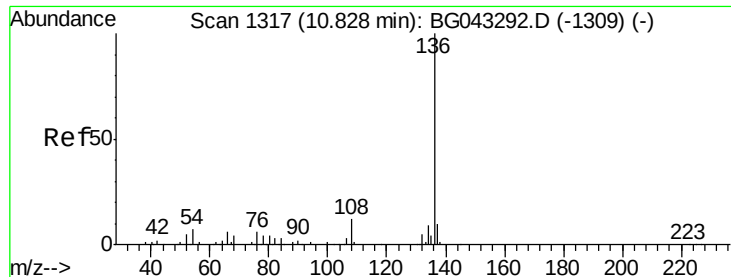
Ion 107.00 (106.70 to 107.70): BGC

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





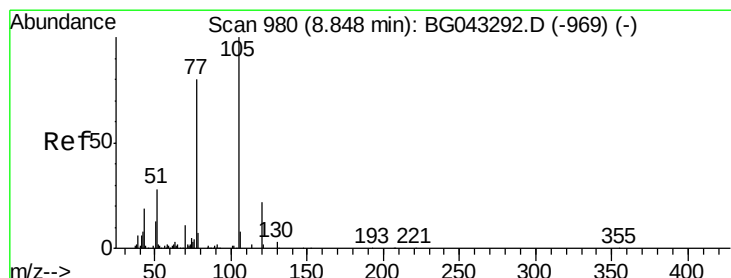
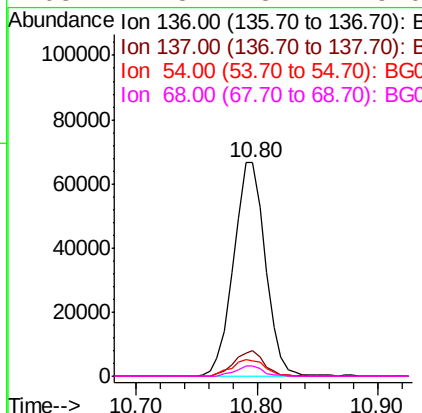
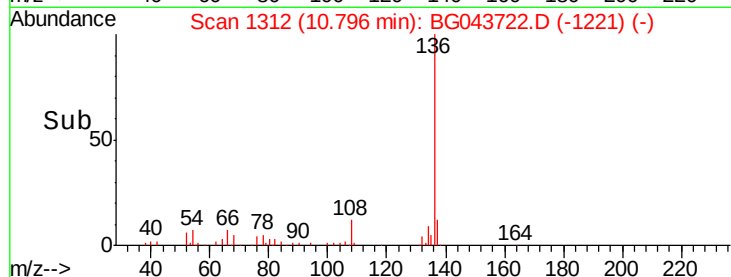
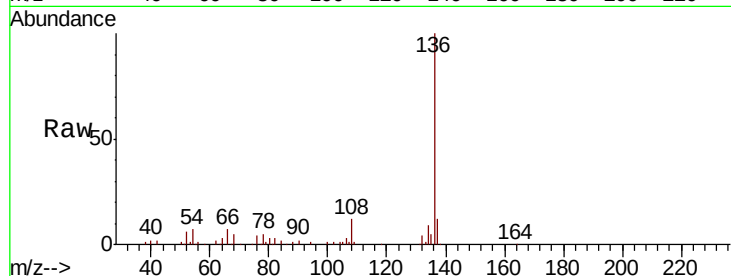
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.80 min Scan# 1312
Delta R.T. 0.00 min
Lab File: BG043722.D
Acq: 20 Nov 2019 7:56

Instrument :
BNA_G
ClientSampleId :
HR-05-111419MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
136	100				
137	12.3		8.8	13.2	
54	7.2		6.2	9.2	
68	4.8		3.4	5.0	

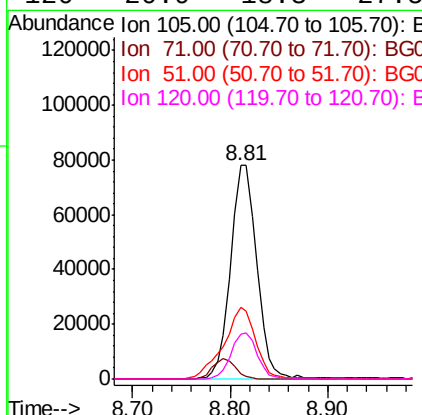
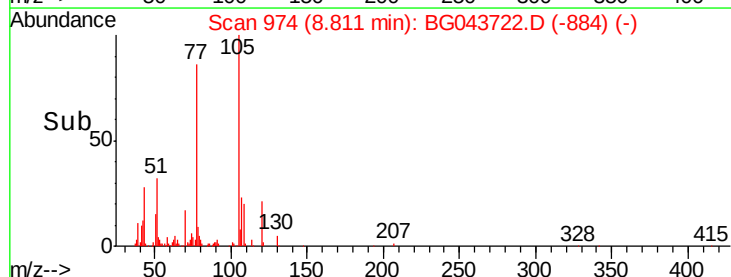
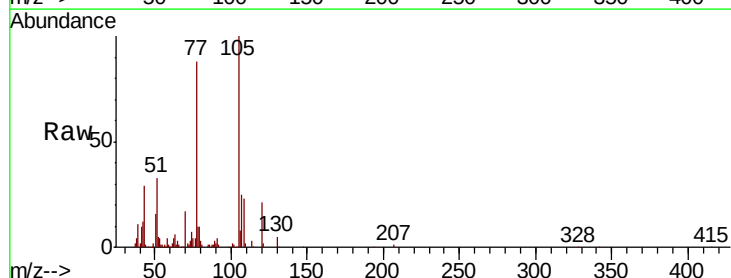
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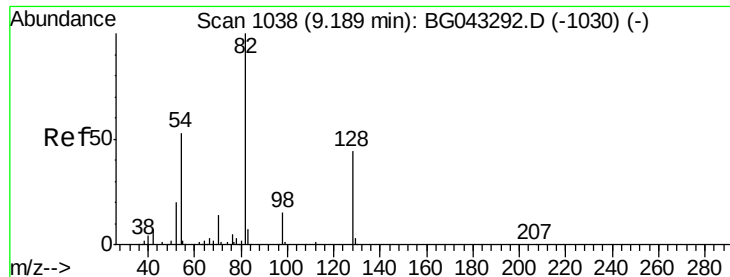
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#22
Acetophenone
Concen: 46.650 ng
RT: 8.81 min Scan# 974
Delta R.T. -0.00 min
Lab File: BG043722.D
Acq: 20 Nov 2019 7:56

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
105	100				
71	2.5		1.5	2.3#	
51	33.5		25.0	37.6	
120	20.9		18.3	27.5	





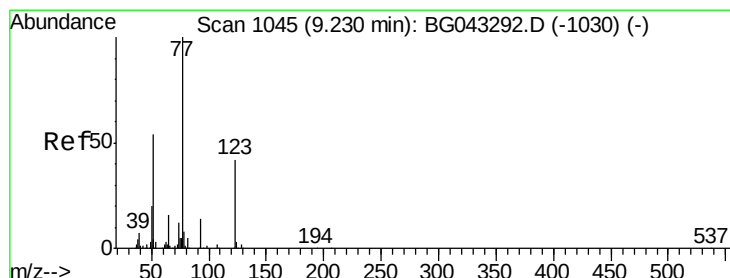
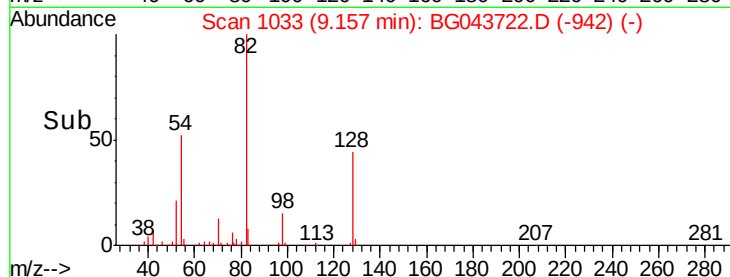
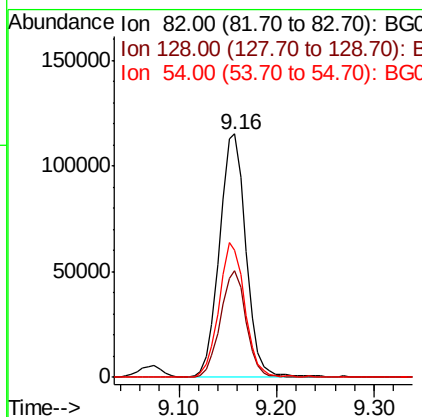
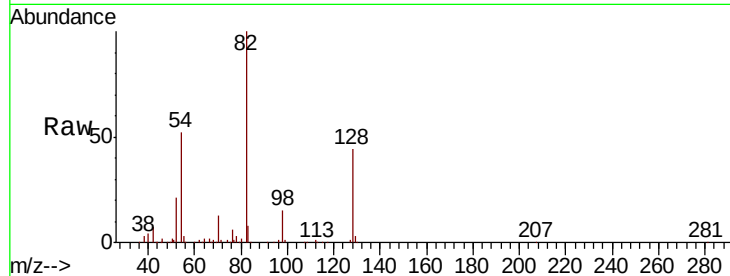
#23
 Nitrobenzene-d5
 Concen: 91.209 ng
 RT: 9.16 min Scan# 1033
 Delta R.T. 0.00 min
 Lab File: BG043722.D
 Acq: 20 Nov 2019 7:56

Instrument :
 BNA_G
 ClientSampleId :
 HR-05-111419MSD

Tot Ion	Ratio	Lower	Upper
82	100		
128	43.8	34.2	51.4
54	52.2	44.7	67.1

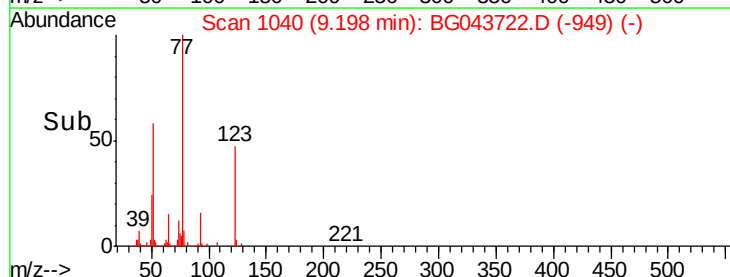
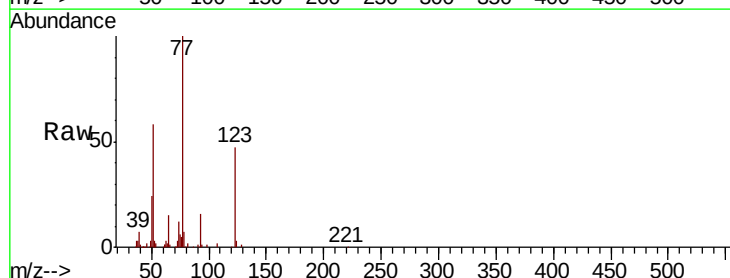
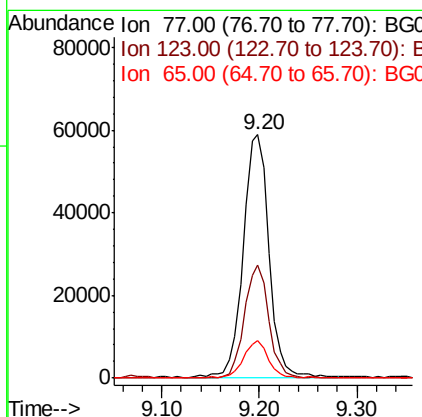
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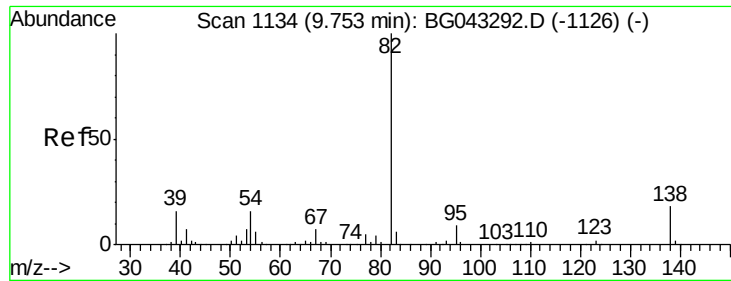
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#24
 Nitrobenzene
 Concen: 48.337 ng
 RT: 9.20 min Scan# 1040
 Delta R.T. 0.00 min
 Lab File: BG043722.D
 Acq: 20 Nov 2019 7:56

Tgt Ion	Ratio	Lower	Upper
77	100		
123	46.7	33.6	50.4
65	15.4	12.9	19.3





#25

Isophorone

Concen: 48.526 ng

RT: 9.72 min Scan# 1128

Delta R.T. -0.00 min

Lab File: BG043722.D

Acq: 20 Nov 2019 7:56

Instrument :

BNA_G

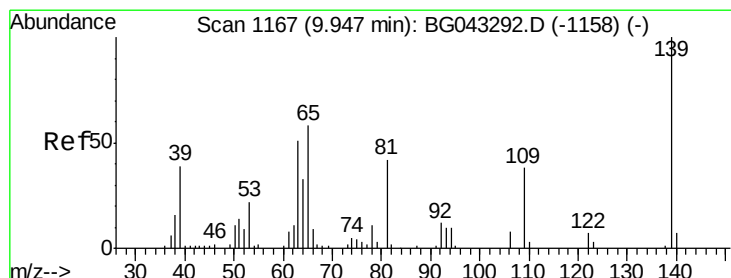
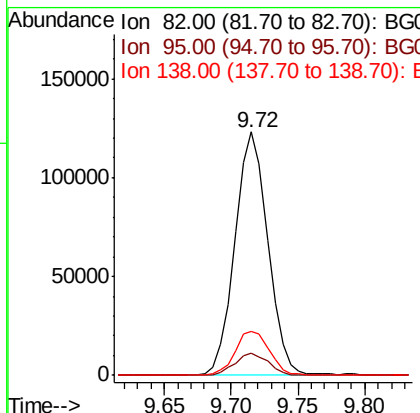
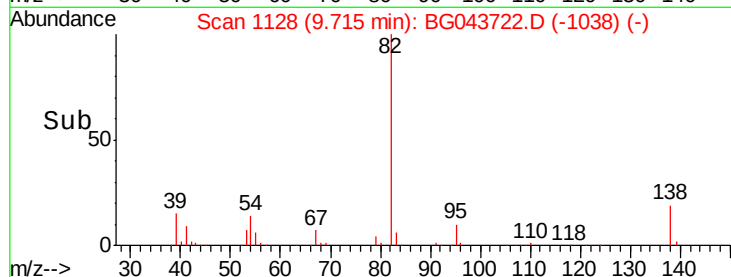
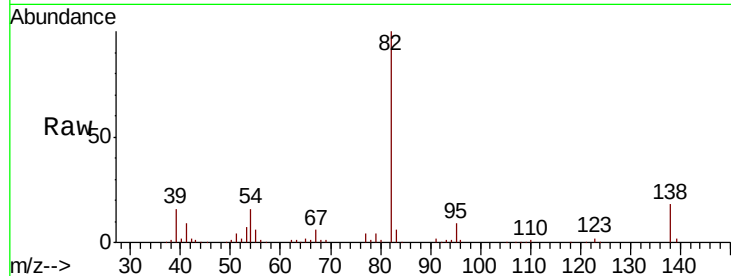
ClientSampleId :

HR-05-111419MSD

Tot Ion:	82	Resp:	211276
Ion Ratio	Lower	Upper	
82	100		
95	9.2	7.4	11.0
138	18.2	15.1	22.7

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#26

2-Nitrophenol

Concen: 52.663 ng

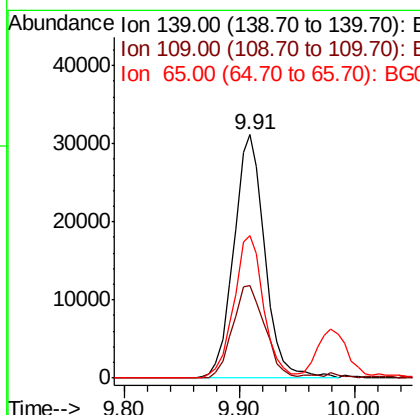
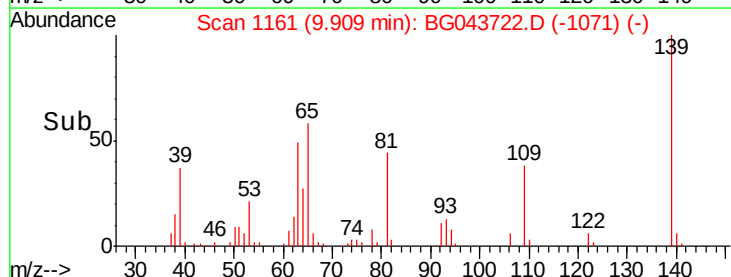
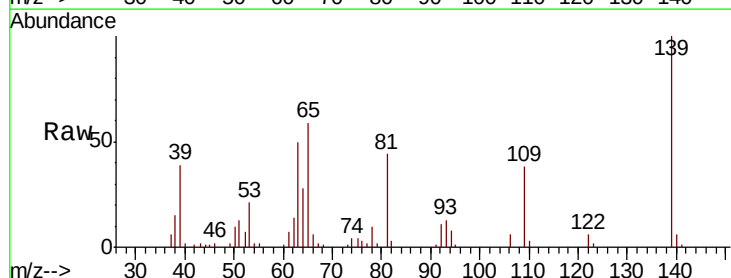
RT: 9.91 min Scan# 1161

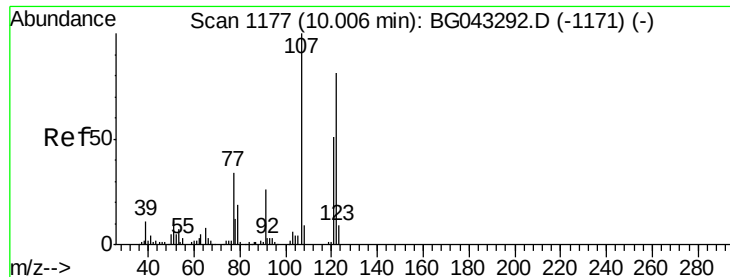
Delta R.T. -0.00 min

Lab File: BG043722.D

Acq: 20 Nov 2019 7:56

Tgt Ion:	139	Resp:	57678
Ion Ratio	Lower	Upper	
139	100		
109	38.3	32.6	48.8
65	58.8	47.6	71.4





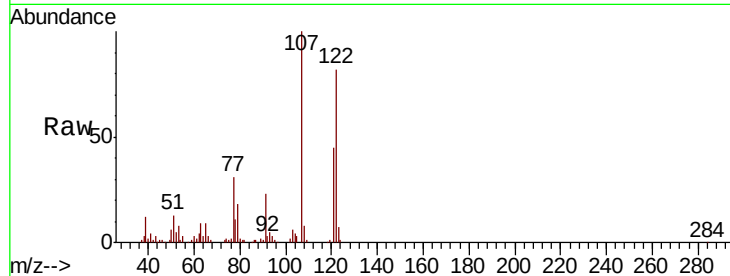
#27
 2,4-Dimethylphenol
 Concen: 60.320 ng
 RT: 9.99 min Scan# 1174
 Delta R.T. 0.00 min
 Lab File: BG043722.D
 Acq: 20 Nov 2019 7:56

Instrument :
 BNA_G
 ClientSampleId :
 HR-05-111419MSD

Tot Ion	Ratio	Lower	Upper
122	100		
107	122.2	100.7	151.1
121	55.3	47.0	70.4

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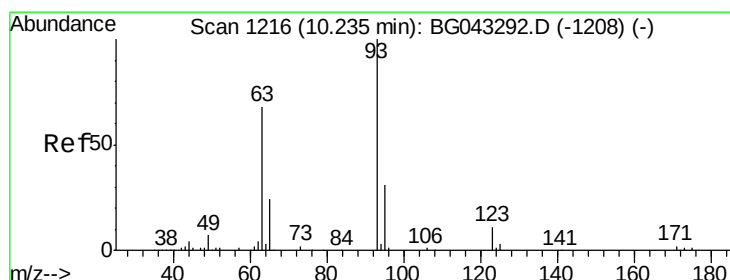
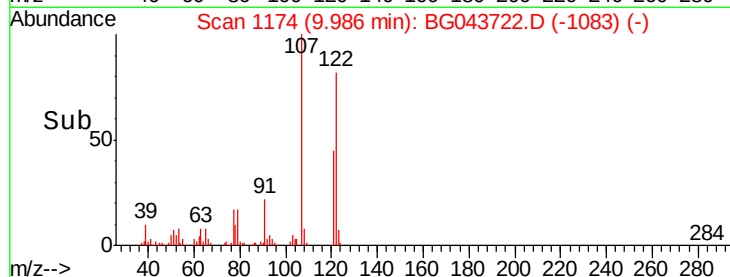
Abundance

Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

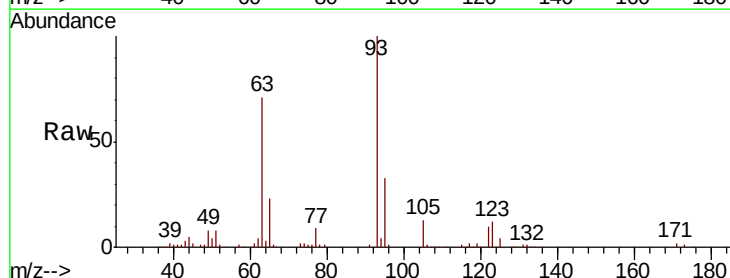
Ion 121.00 (120.70 to 121.70): E

Time-->



#28
 bis(2-Chloroethoxy)methane
 Concen: 45.983 ng
 RT: 10.20 min Scan# 1210
 Delta R.T. -0.00 min
 Lab File: BG043722.D
 Acq: 20 Nov 2019 7:56

Tgt Ion	Ratio	Lower	Upper
93	100		
95	33.2	27.5	41.3
123	11.8	10.7	16.1



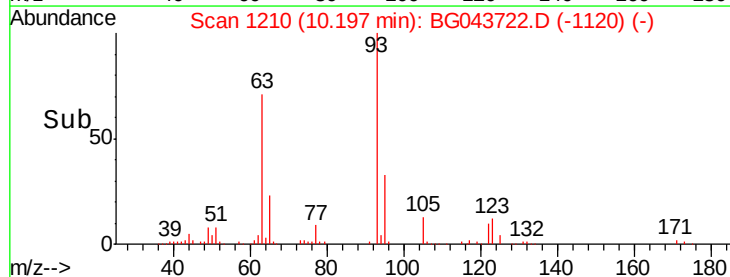
Abundance

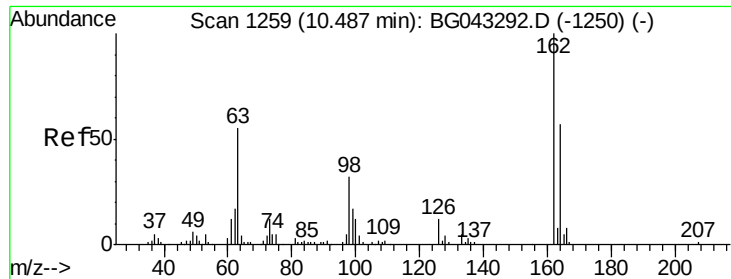
Ion 93.00 (92.70 to 93.70): BGC

Ion 95.00 (94.70 to 95.70): BGC

Ion 123.00 (122.70 to 123.70): E

Time-->





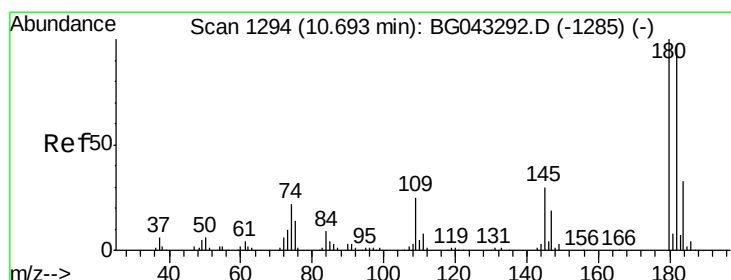
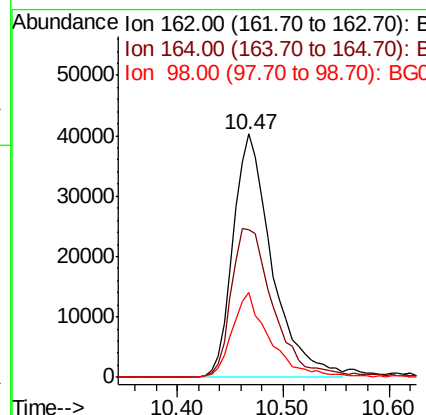
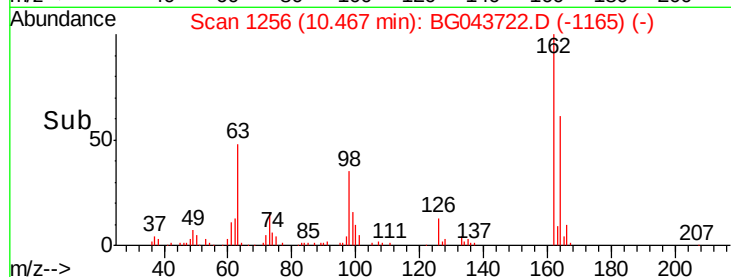
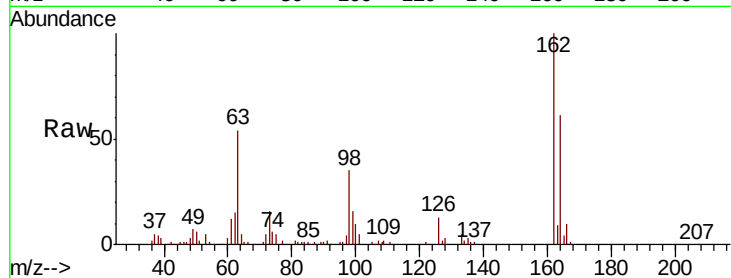
#29
2,4-Dichlorophenol
Concen: 50.920 ng
RT: 10.47 min Scan# 1256
Delta R.T. 0.00 min
Lab File: BG043722.D
Acq: 20 Nov 2019 7:56

Instrument :
BNA_G
ClientSampleId :
HR-05-111419MSD

Tot Ion	Ratio	Lower	Upper
162	100		
164	60.7	45.4	85.4
98	35.1	10.1	50.1

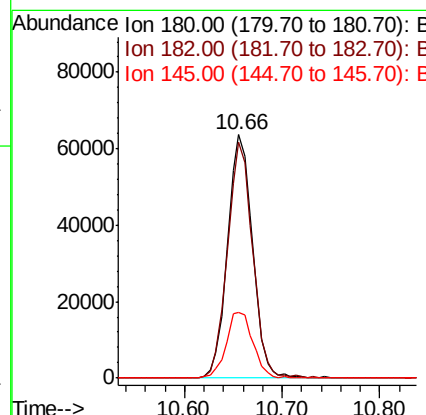
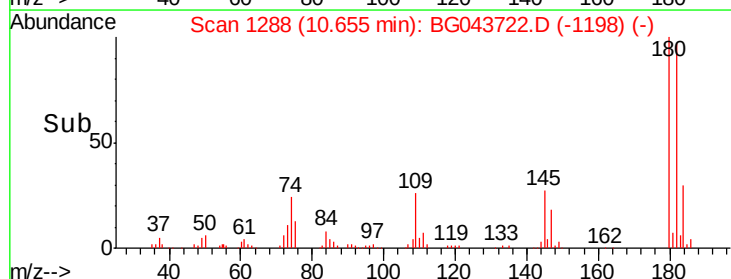
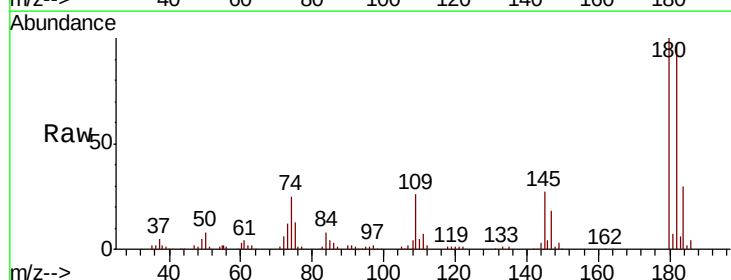
Manual Integrations
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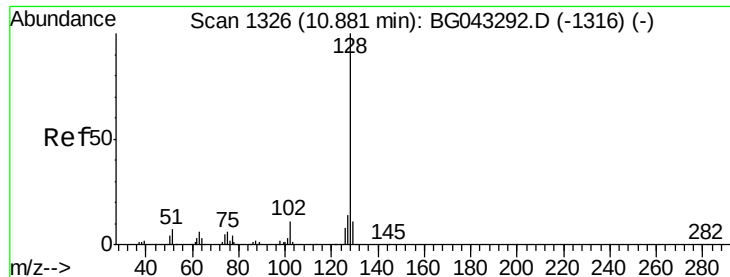
mohammad
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#30
1,2,4-Trichlorobenzene
Concen: 44.595 ng
RT: 10.66 min Scan# 1288
Delta R.T. -0.00 min
Lab File: BG043722.D
Acq: 20 Nov 2019 7:56

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.9	74.5	111.7
145	26.8	21.4	32.0





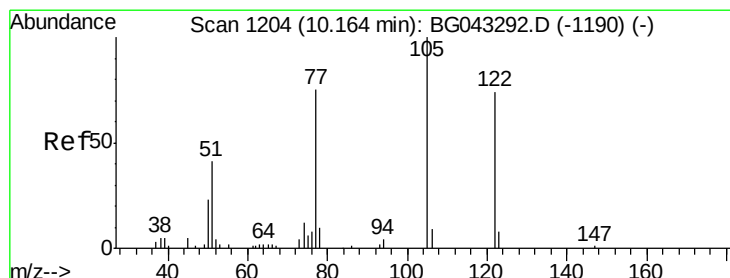
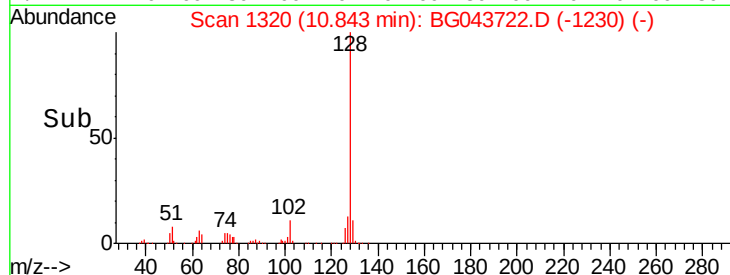
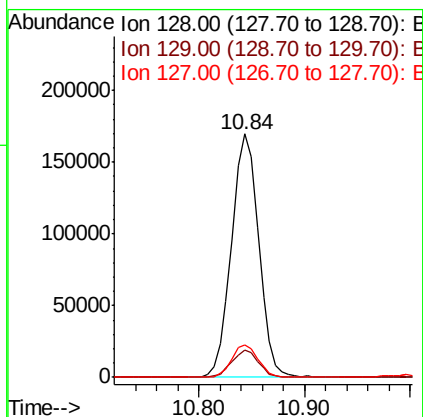
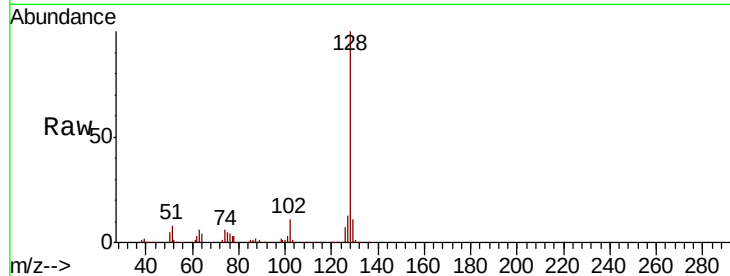
#31
Naphthalene
Concen: 48.634 ng
RT: 10.84 min Scan# 1320
Delta R.T. -0.00 min
Lab File: BG043722.D
Acq: 20 Nov 2019 7:56

Instrument :
BNA_G
ClientSampleId :
HR-05-111419MSD

Tot Ion	Ratio	Lower	Upper
128	100		
129	11.2	9.5	14.3
127	13.1	11.0	16.4

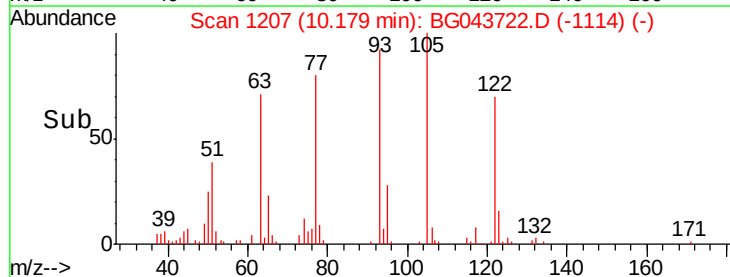
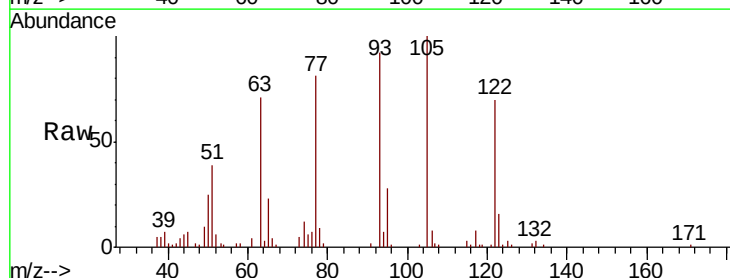
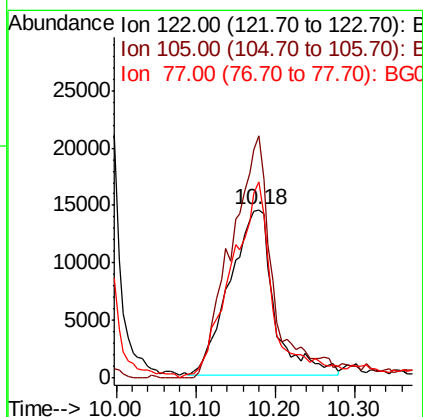
Manual Integrations
APPROVED

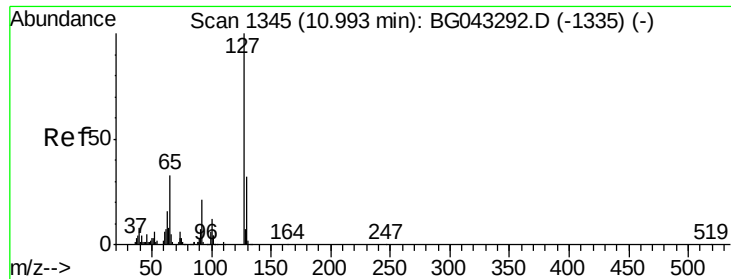
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#32
Benzoic acid
Concen: 46.691 ng
RT: 10.18 min Scan# 1207
Delta R.T. 0.02 min
Lab File: BG043722.D
Acq: 20 Nov 2019 7:56

Tgt Ion	Ratio	Lower	Upper
122	100		
105	143.4	101.8	141.8#
77	116.3	86.8	126.8





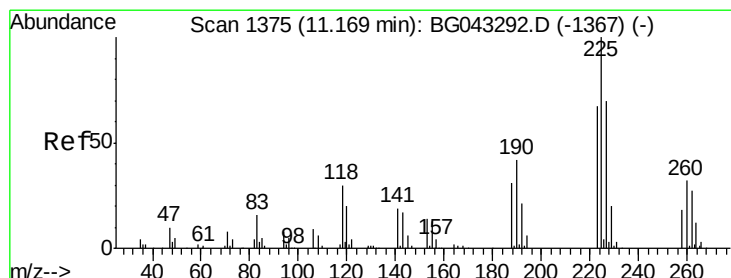
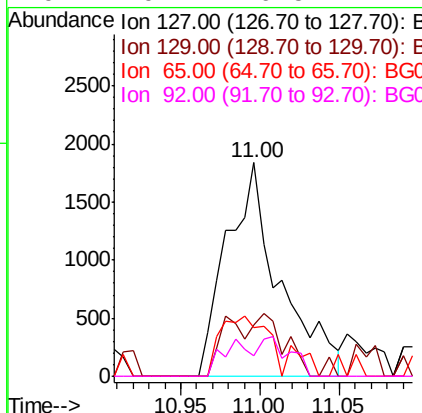
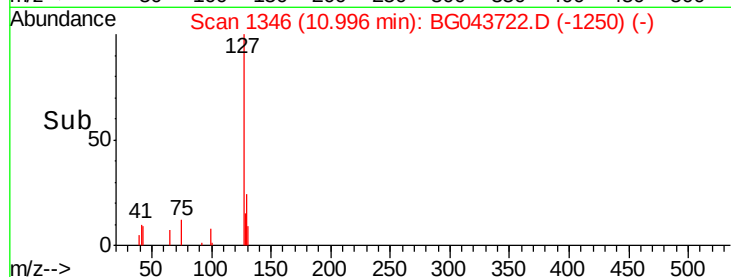
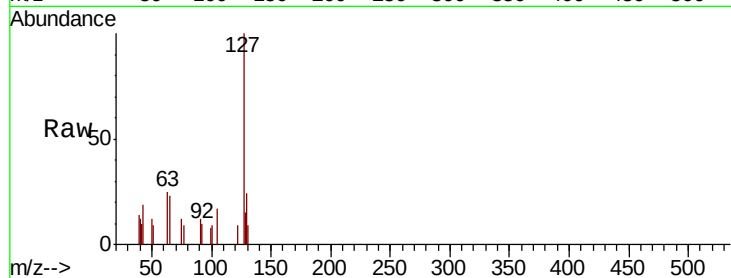
#33
4-Chloroaniline
Concen: 1.666 ng
RT: 11.00 min Scan# 1346
Delta R.T. 0.03 min
Lab File: BG043722.D
Acq: 20 Nov 2019 7:56

Instrument :
BNA_G
ClientSampleId :
HR-05-111419MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
127	100		4256		
129	24.0	28.0	42.0#		
65	22.7	28.3	42.5#		
92	9.7	16.5	24.7#		

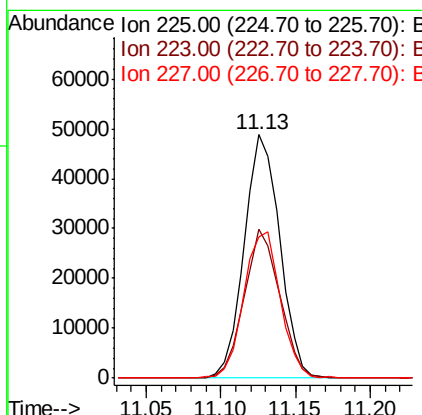
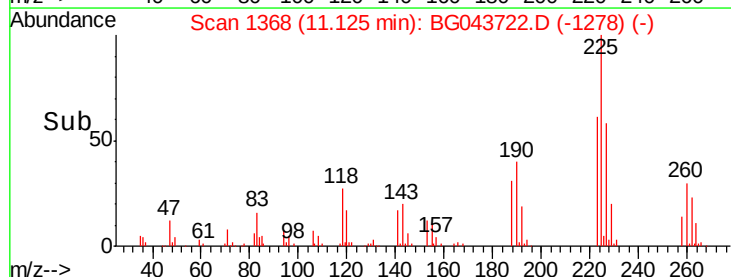
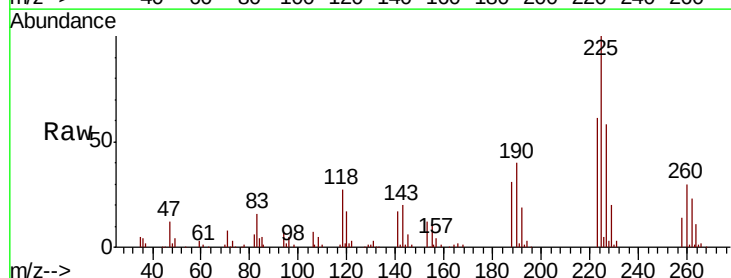
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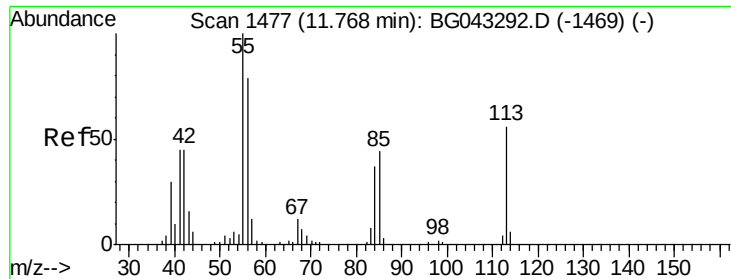
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#34
Hexachlorobutadiene
Concen: 42.931 ng
RT: 11.13 min Scan# 1368
Delta R.T. -0.00 min
Lab File: BG043722.D
Acq: 20 Nov 2019 7:56

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
225	100		80449		
223	61.2	48.6	73.0		
227	57.9	49.1	73.7		





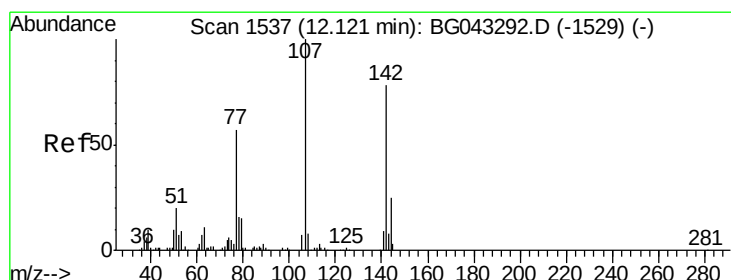
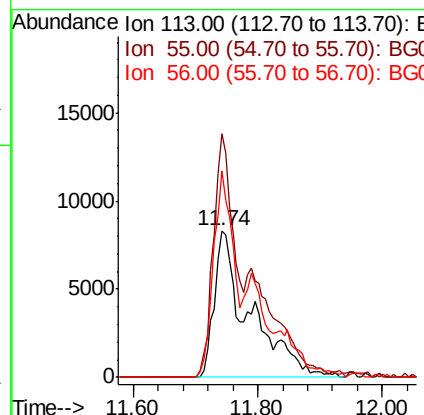
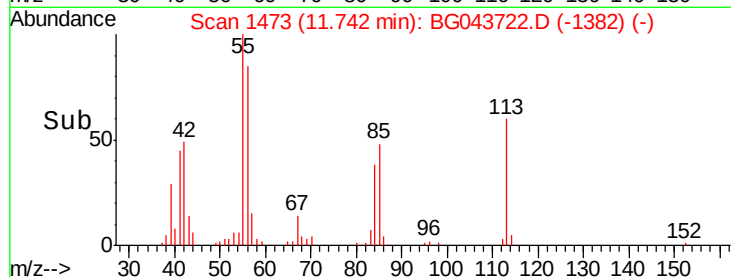
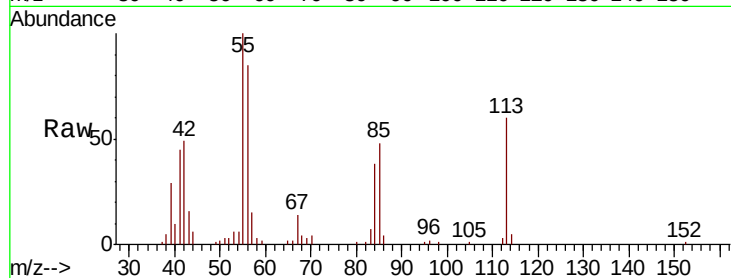
#35
Caprolactam
Concen: 46.956 ng/ml
RT: 11.74 min Scan# 1473
Delta R.T. 0.00 min
Lab File: BG043722.D
Acq: 20 Nov 2019 7:56

Instrument :
BNA_G
ClientSampleId :
HR-05-111419MSD

Tot Ion	Ratio	Lower	Upper
113	100		
55	166.3	154.4	194.4
56	140.9	112.9	152.9

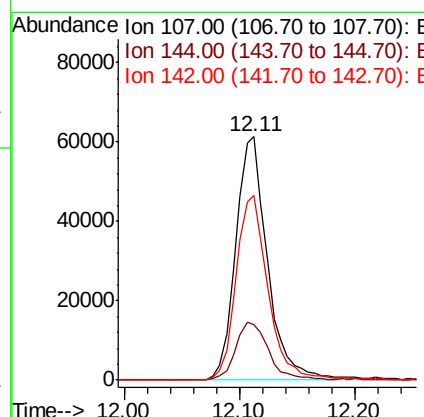
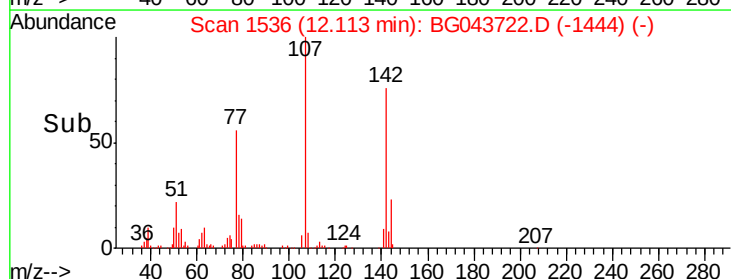
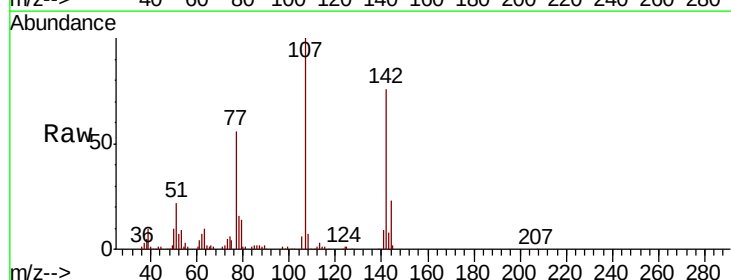
Manual Integrations
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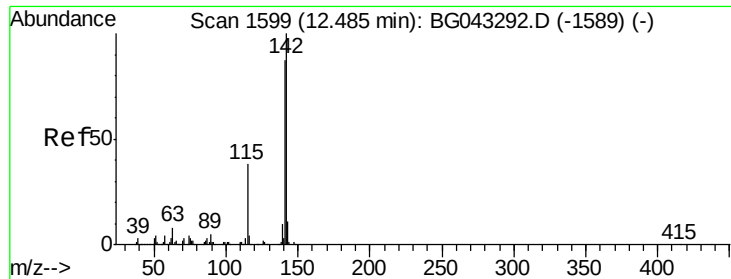
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#36
4-Chloro-3-methylphenol
Concen: 53.182 ng/ml
RT: 12.11 min Scan# 1536
Delta R.T. 0.01 min
Lab File: BG043722.D
Acq: 20 Nov 2019 7:56

Tgt Ion	Ratio	Lower	Upper
107	100		
144	22.9	21.7	32.5
142	76.1	67.2	100.8





#37

2-Methylnaphthalene

Concen: 48.909 ng

RT: 12.45 min Scan# 1593

Delta R.T. -0.00 min

Lab File: BG043722.D

Acq: 20 Nov 2019 7:56

Instrument :

BNA_G

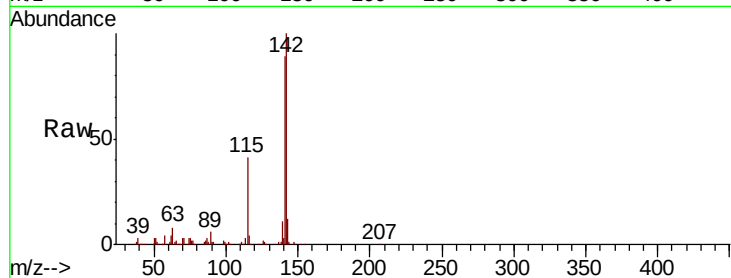
ClientSampleId :

HR-05-111419MSD

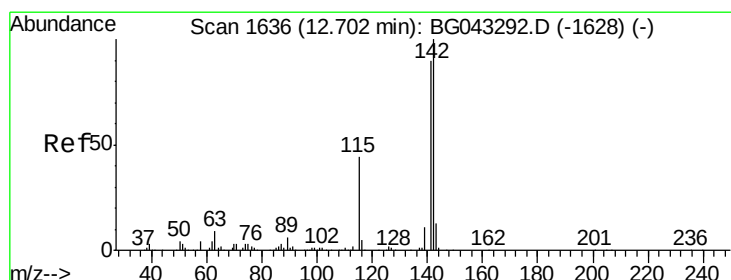
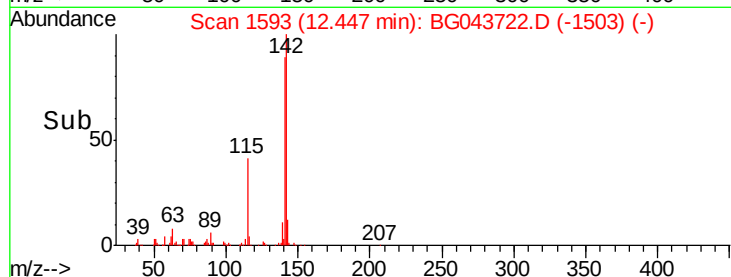
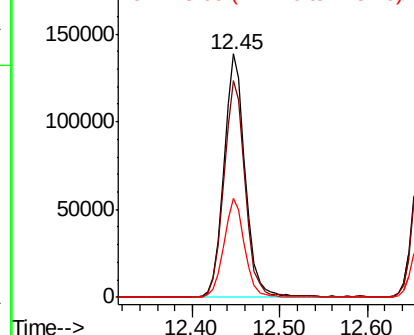
Tot Ion:	142	Resp:	233866
Ion Ratio	Lower	Upper	
142	100		
141	89.2	71.2	106.8
115	40.5	31.9	47.9

Manual Integrations
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Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E



#38

1-Methylnaphthalene

Concen: 48.324 ng m

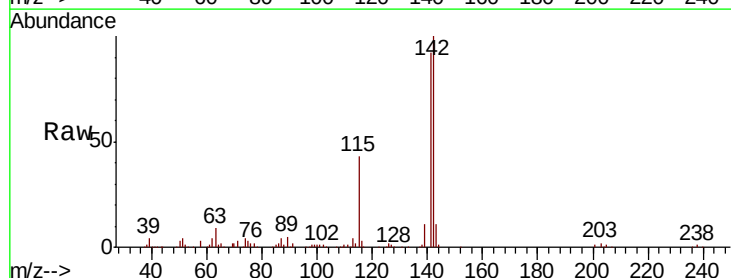
RT: 12.67 min Scan# 1631

Delta R.T. 0.00 min

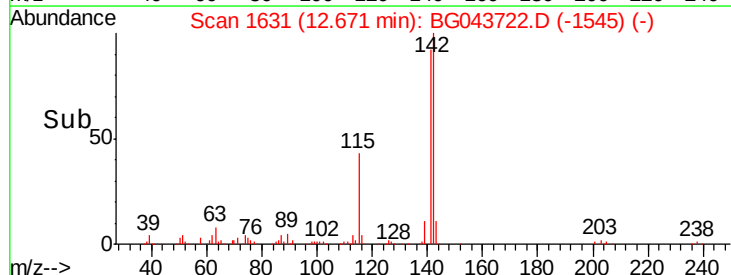
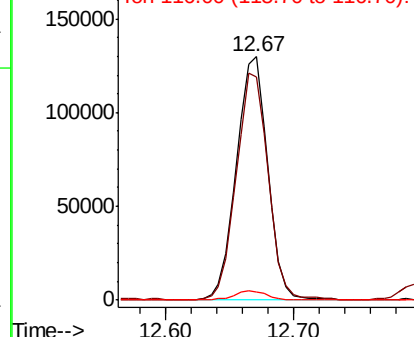
Lab File: BG043722.D

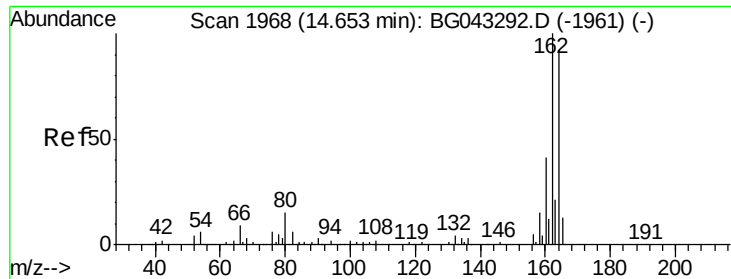
Acq: 20 Nov 2019 7:56

Tgt Ion:	142	Resp:	219853
Ion Ratio	Lower	Upper	
142	100		
141	91.9	74.5	111.7
116	3.5	3.8	5.6#



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 116.00 (115.70 to 116.70): E





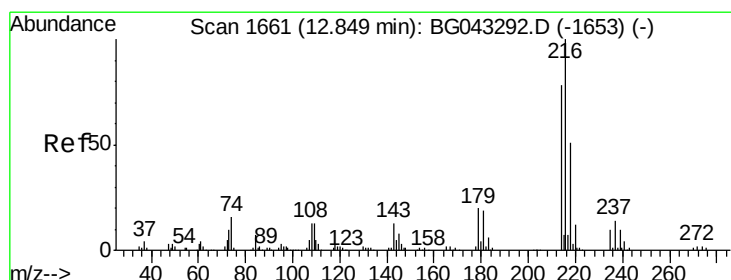
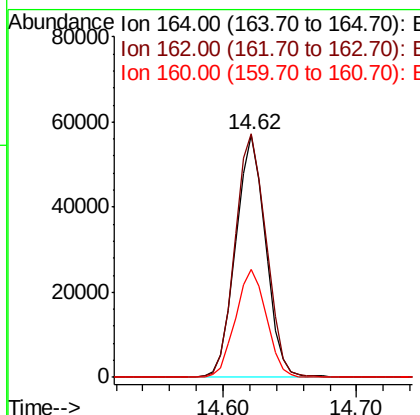
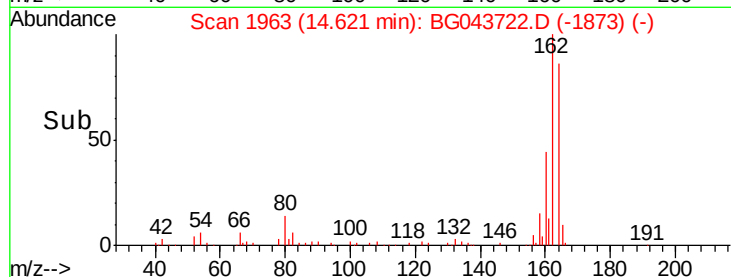
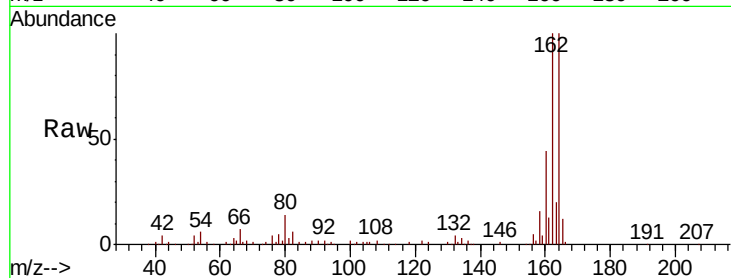
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.62 min Scan# 1963
Delta R.T. -0.00 min
Lab File: BG043722.D
Acq: 20 Nov 2019 7:56

Instrument :
BNA_G
ClientSampleId :
HR-05-111419MSD

Tot Ion	Ratio	Lower	Upper
164	100		
162	100.4	79.4	119.2
160	44.6	36.3	54.5

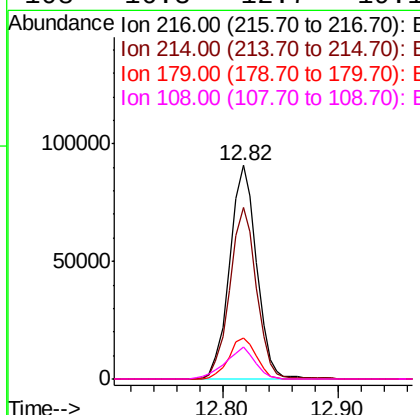
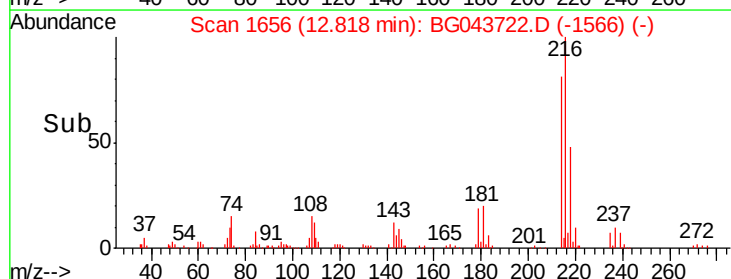
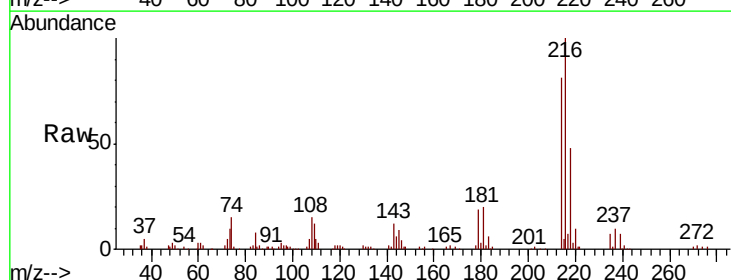
Manual Integrations
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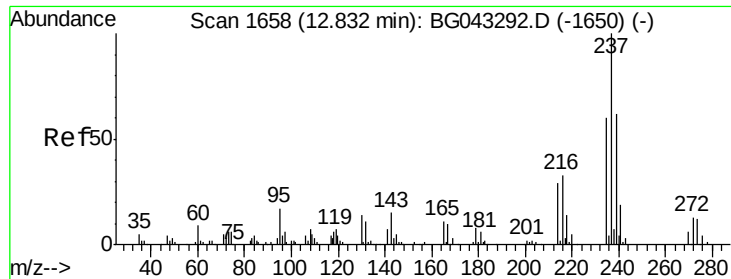
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#40
1,2,4,5-Tetrachlorobenzene
Concen: 44.793 ng
RT: 12.82 min Scan# 1656
Delta R.T. -0.00 min
Lab File: BG043722.D
Acq: 20 Nov 2019 7:56

Tgt Ion	Ratio	Lower	Upper
216	100		
214	79.3	62.8	94.2
179	19.6	16.5	24.7
108	16.3	12.7	19.1





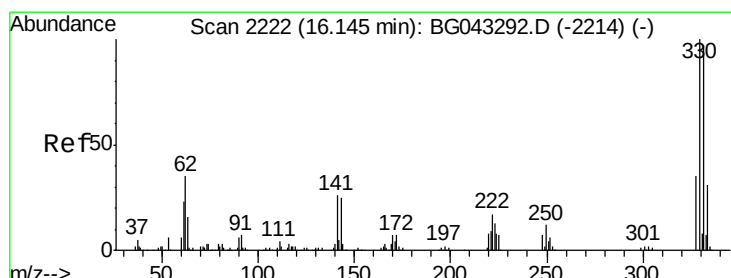
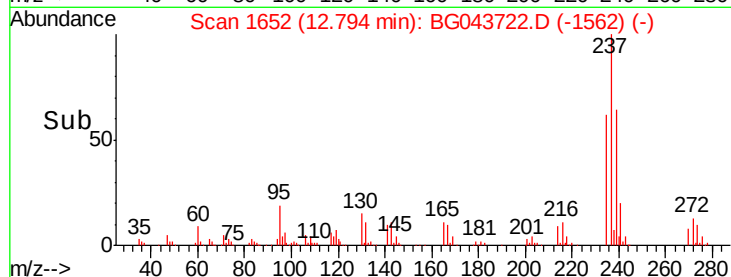
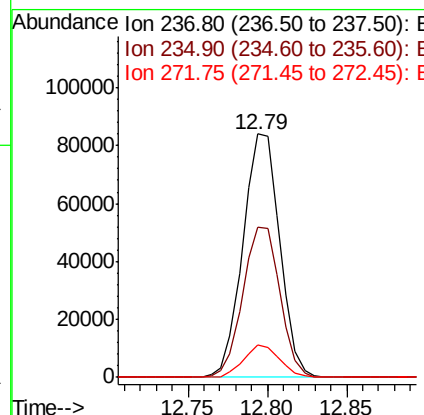
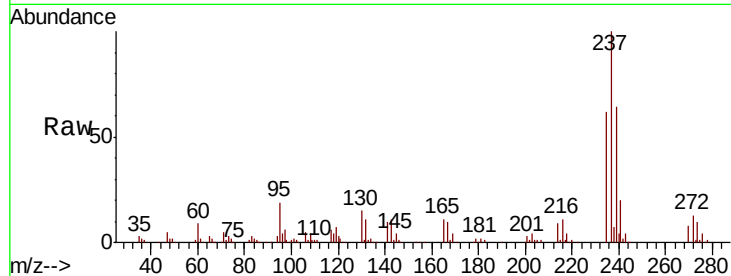
#41
Hexachlorocyclopentadiene
Concen: 78.442 ng
RT: 12.79 min Scan# 1652
Delta R.T. -0.00 min
Lab File: BG043722.D
Acq: 20 Nov 2019 7:56

Instrument :
BNA_G
ClientSampleId :
HR-05-111419MSD

Tot Ion	Ratio	Resp	Lower	Upper
237	100	135075		
235	61.7	42.2	82.2	
272	13.3	0.0	32.6	

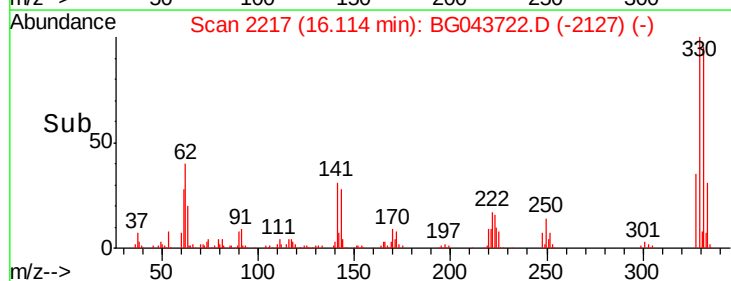
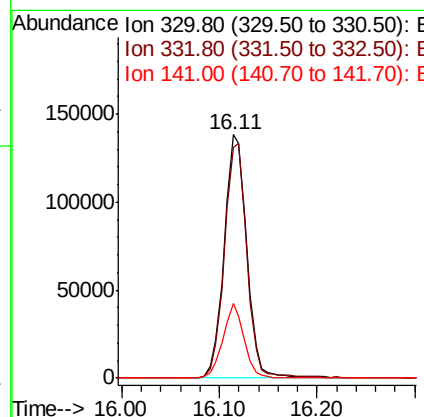
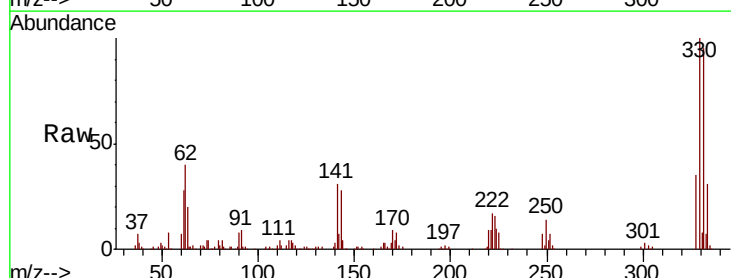
Manual Integrations
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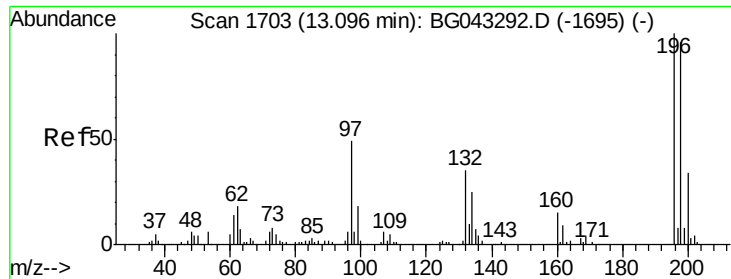
mohammad
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#42
2,4,6-Tribromophenol
Concen: 131.853 ng
RT: 16.11 min Scan# 2217
Delta R.T. -0.00 min
Lab File: BG043722.D
Acq: 20 Nov 2019 7:56

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	222250		
332	96.2	76.6	115.0	
141	28.6	23.4	35.2	





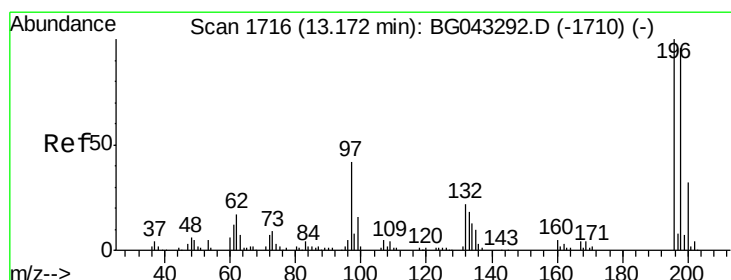
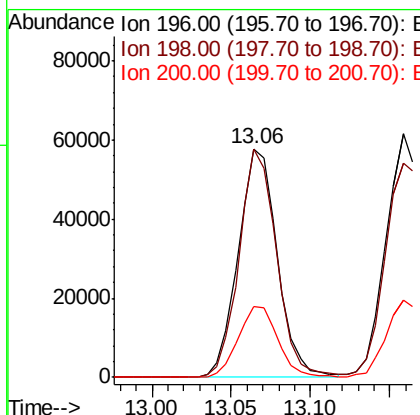
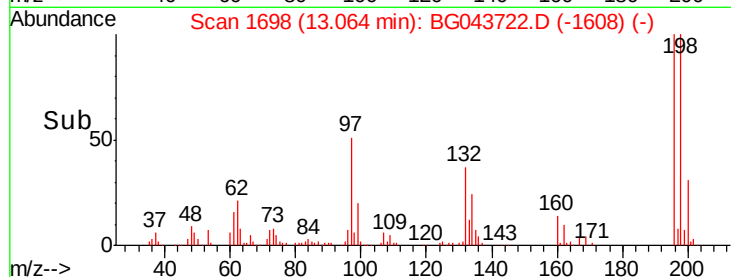
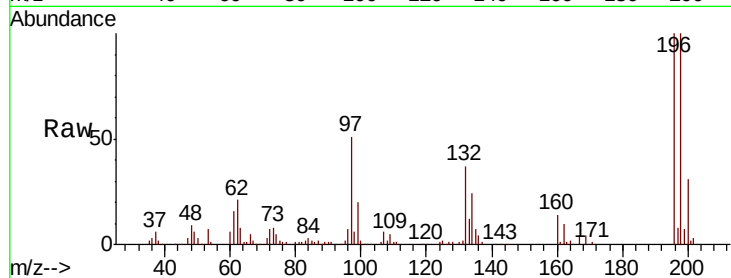
#43
 2,4,6-Trichlorophenol
 Concen: 51.219 ng
 RT: 13.06 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: BG043722.D
 Acq: 20 Nov 2019 7:56

Instrument :
 BNA_G
 ClientSampleId :
 HR-05-111419MSD

Tot Ion	Ratio	Resp	Lower	Upper
196	100	98877		
198	99.9	81.3	121.9	
200	31.1	28.2	42.2	

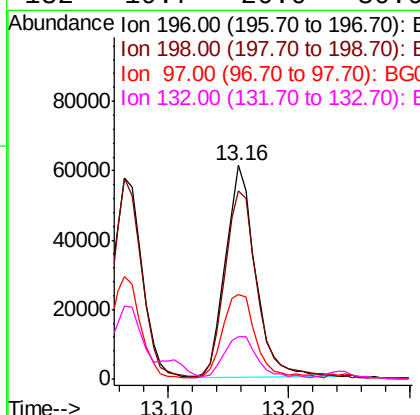
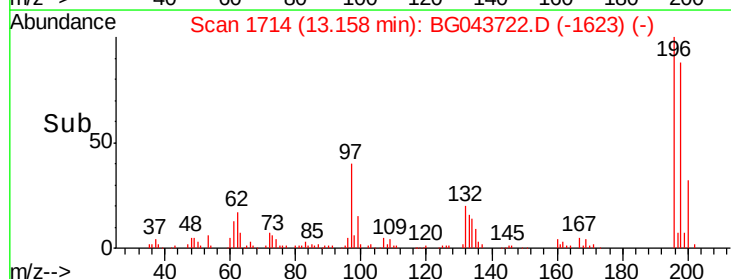
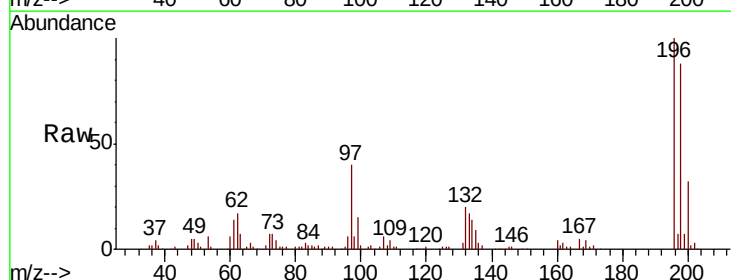
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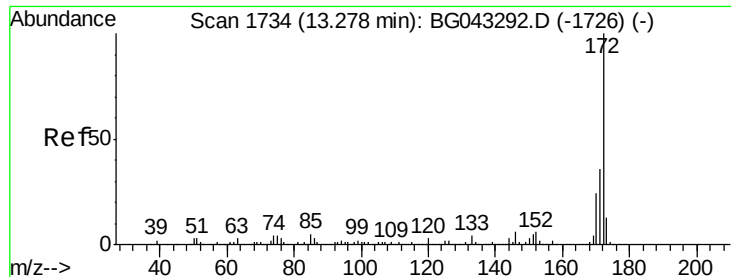
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#44
 2,4,5-Trichlorophenol
 Concen: 54.273 ng
 RT: 13.16 min Scan# 1714
 Delta R.T. 0.00 min
 Lab File: BG043722.D
 Acq: 20 Nov 2019 7:56

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	105923		
198	88.2	77.4	116.2	
97	39.8	35.9	53.9	
132	19.7	20.0	30.0	#





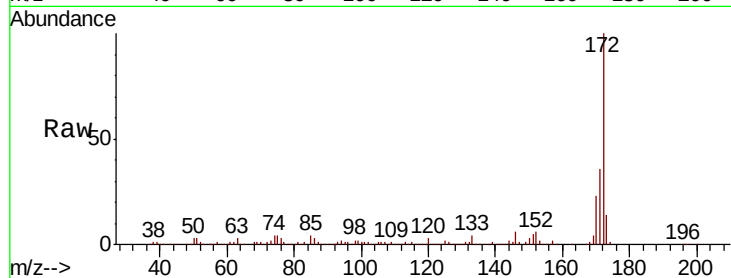
#45
2-Fluorobiphenyl
Concen: 90.619 ng
RT: 13.25 min Scan# 1729
Delta R.T. 0.00 min
Lab File: BG043722.D
Acq: 20 Nov 2019 7:56

Instrument :
BNA_G
ClientSampleId :
HR-05-111419MSD

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.7	28.1	42.1
170	23.5	18.8	28.2

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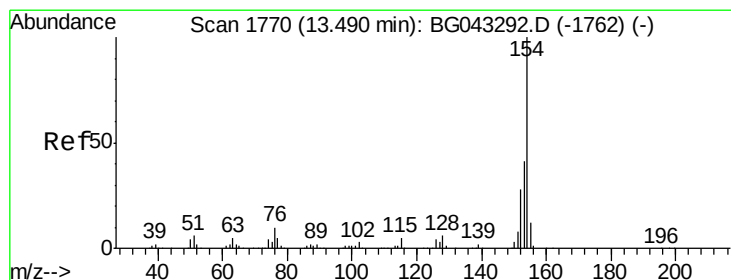
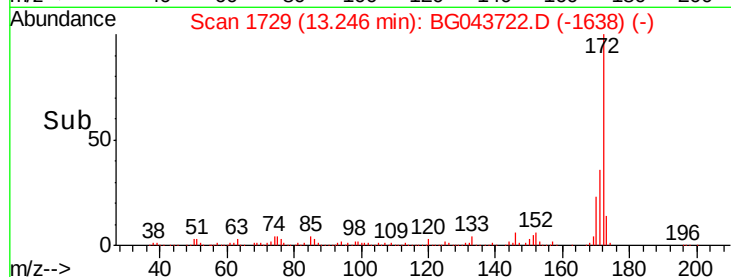
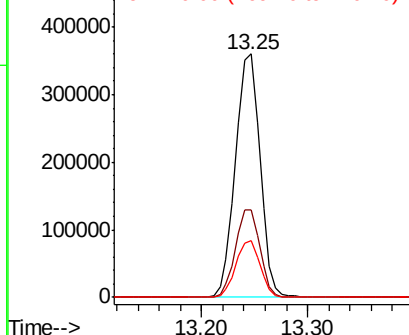


Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#46
1,1'-Biphenyl
Concen: 46.101 ng
RT: 13.45 min Scan# 1764
Delta R.T. -0.00 min
Lab File: BG043722.D
Acq: 20 Nov 2019 7:56

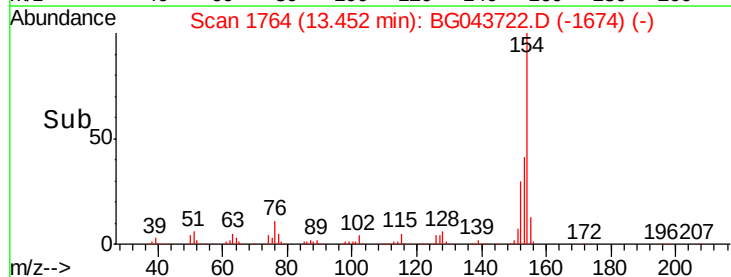
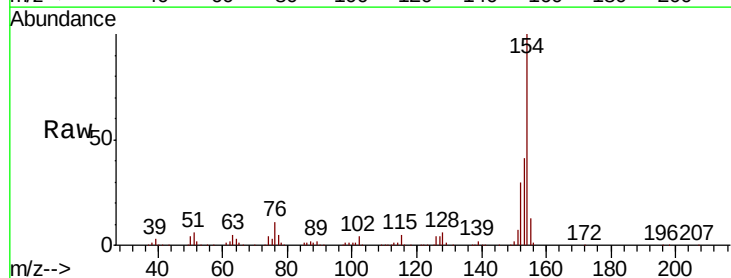
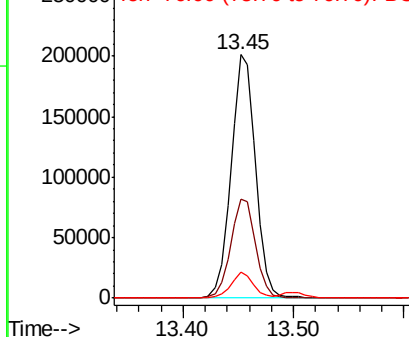
Tgt Ion	Ratio	Lower	Upper
154	100		
153	40.6	22.6	62.6
76	10.6	0.0	29.1

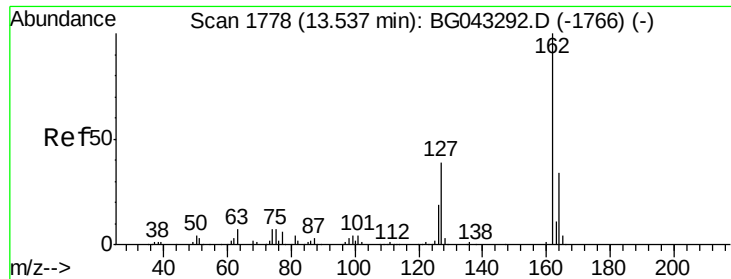
Abundance

Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BG





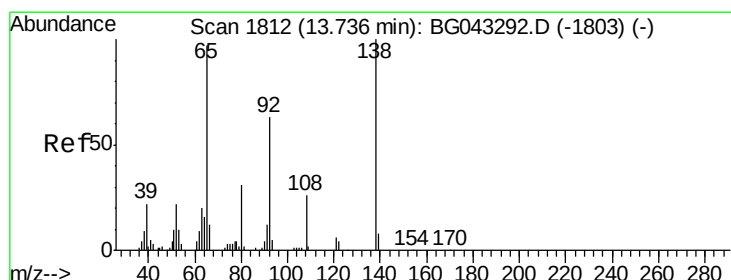
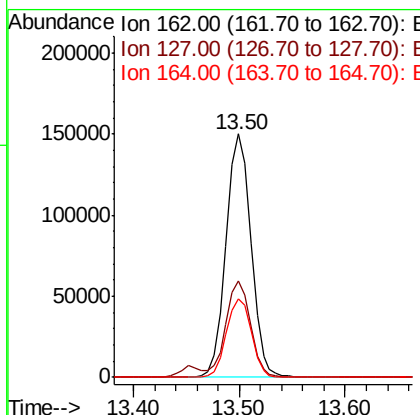
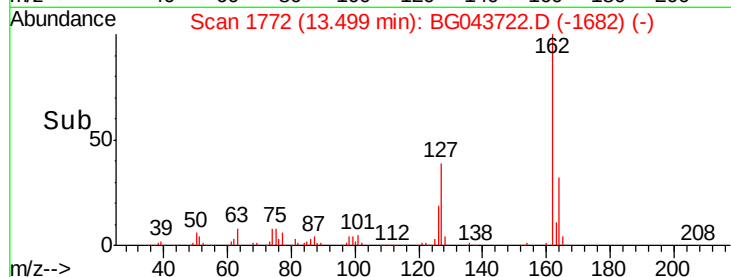
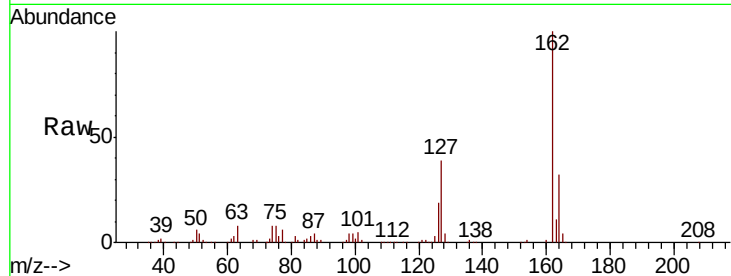
#47
2-Chloronaphthalene
Concen: 47.863 ng
RT: 13.50 min Scan# 1772
Delta R.T. -0.00 min
Lab File: BG043722.D
Acq: 20 Nov 2019 7:56

Instrument :
BNA_G
ClientSampleId :
HR-05-111419MSD

Tot Ion	Ratio	Resp	Lower	Upper
162	100	245393		
127	39.4		32.8	49.2
164	32.5		27.8	41.8

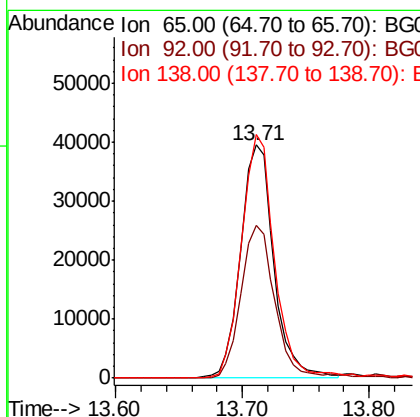
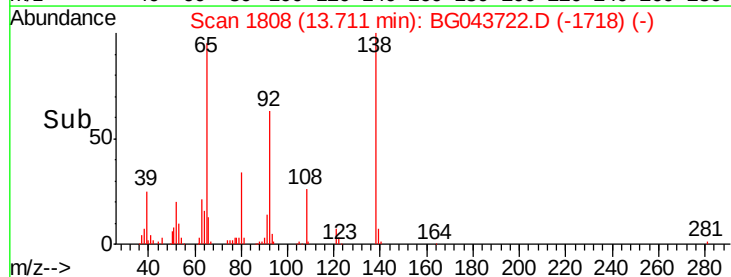
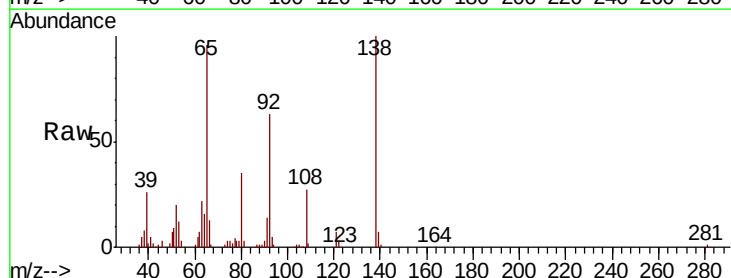
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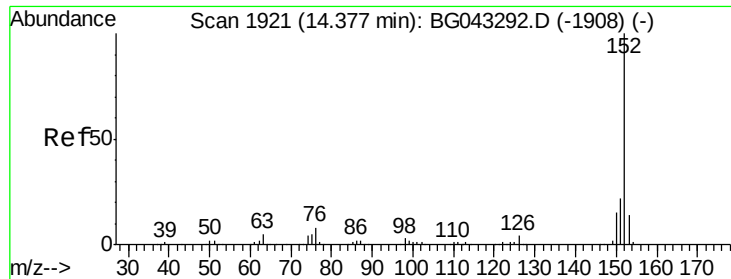
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#48
2-Nitroaniline
Concen: 47.030 ng
RT: 13.71 min Scan# 1808
Delta R.T. -0.00 min
Lab File: BG043722.D
Acq: 20 Nov 2019 7:56

Tgt Ion	Ratio	Resp	Lower	Upper
65	100	72066		
92	65.4		54.9	82.3
138	104.5		85.0	127.6





#49

Acenaphthylene

Concen: 48.212 ng

RT: 14.35 min Scan# 1916

Delta R.T. -0.00 min

Lab File: BG043722.D

Acq: 20 Nov 2019 7:56

Instrument :

BNA_G

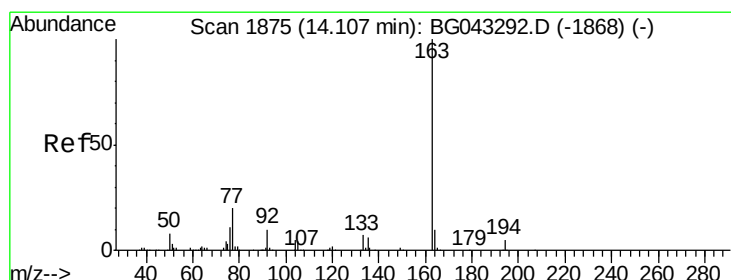
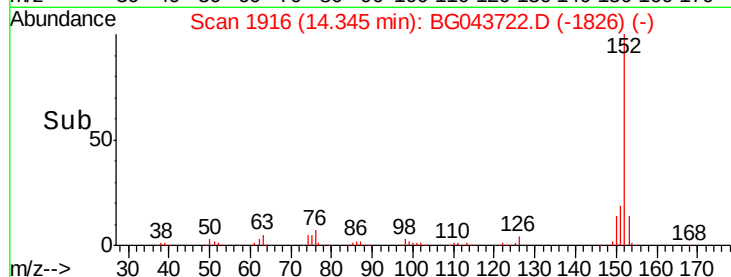
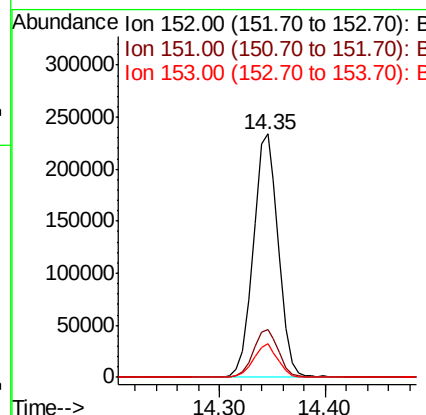
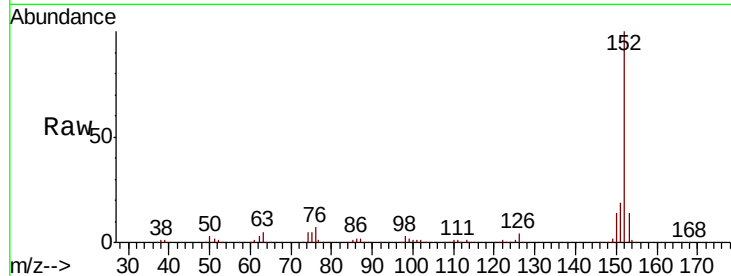
ClientSampleId :

HR-05-111419MSD

Tot Ion:	152	Resp:	384705
Ion Ratio	Lower	Upper	
152	100		
151	19.5	16.1	24.1
153	13.9	11.0	16.4

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#50

Dimethylphthalate

Concen: 52.127 ng

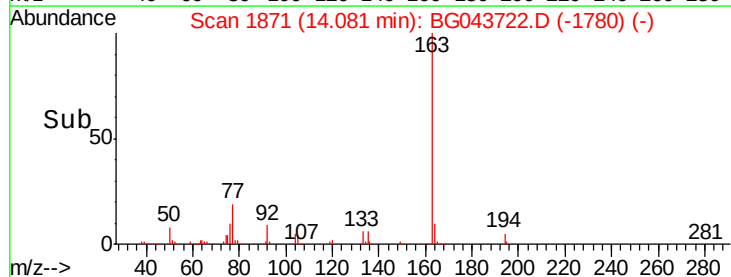
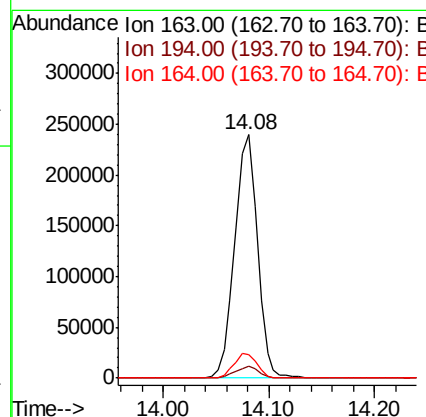
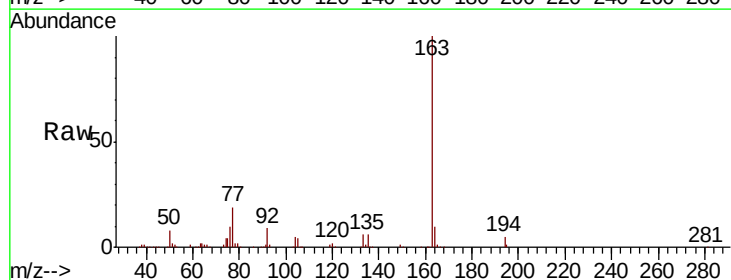
RT: 14.08 min Scan# 1871

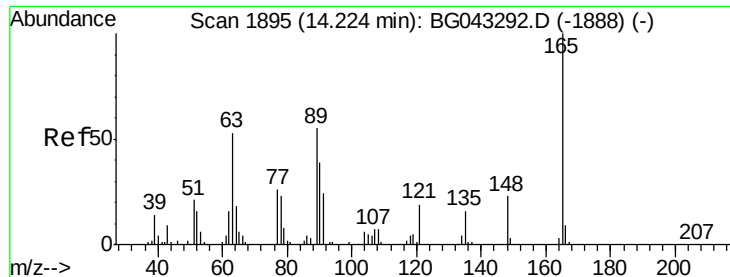
Delta R.T. 0.00 min

Lab File: BG043722.D

Acq: 20 Nov 2019 7:56

Tgt Ion:	163	Resp:	357633
Ion Ratio	Lower	Upper	
163	100		
194	4.7	3.8	5.8
164	9.8	8.5	12.7





#51

2,6-Dinitrotoluene

Concen: 49.686 ng

RT: 14.20 min Scan# 1891

Delta R.T. -0.00 min

Lab File: BG043722.D

Acq: 20 Nov 2019 7:56

Instrument :

BNA_G

ClientSampleId :

HR-05-111419MSD

Tot Ion:165 Resp: 74056

Ion Ratio Lower Upper

165 100

63 58.2 45.0 67.6

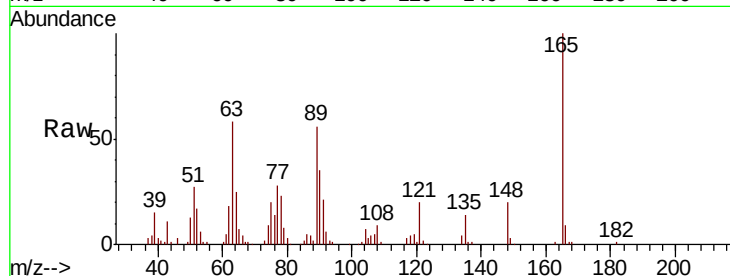
89 56.5 39.8 59.8

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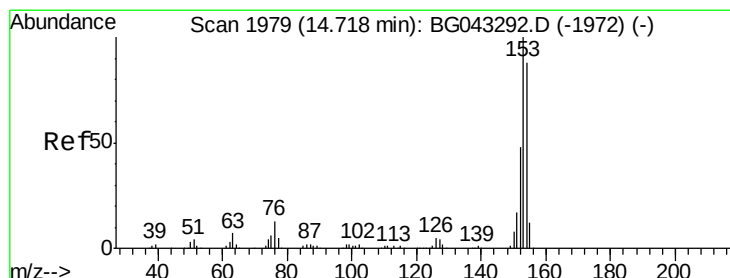
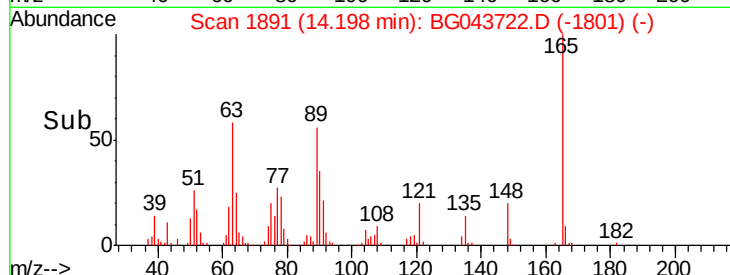
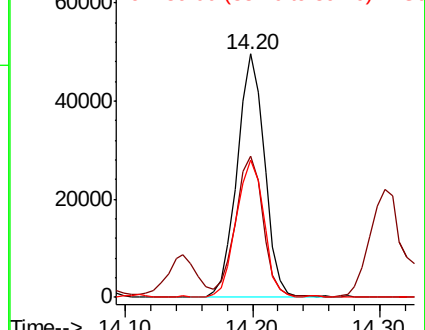
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Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC



#52

Acenaphthene

Concen: 47.843 ng

RT: 14.69 min Scan# 1974

Delta R.T. -0.00 min

Lab File: BG043722.D

Acq: 20 Nov 2019 7:56

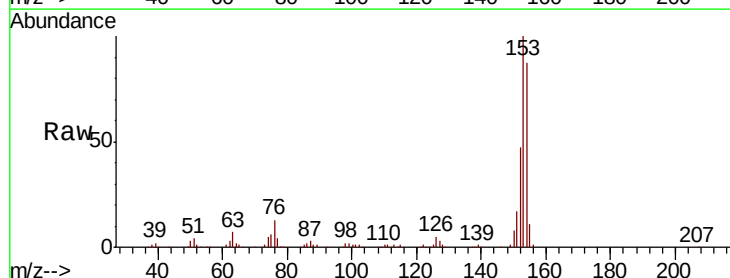
Tgt Ion:154 Resp: 232809

Ion Ratio Lower Upper

154 100

153 115.1 89.2 133.8

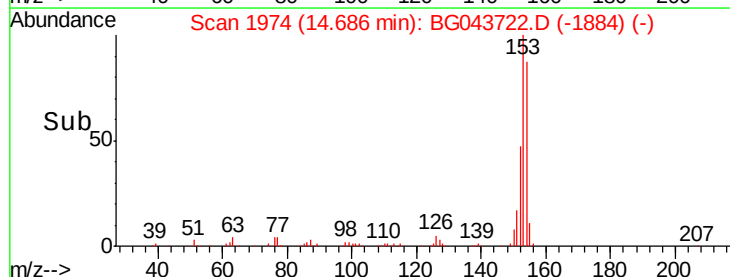
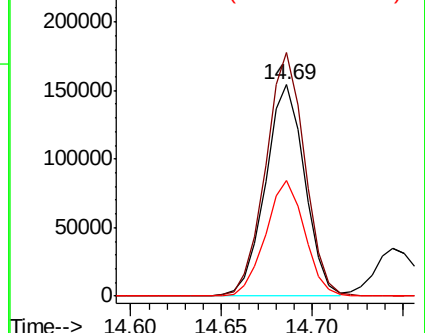
152 54.4 41.4 62.0

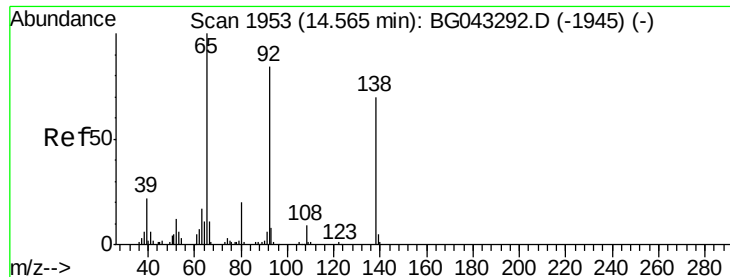


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





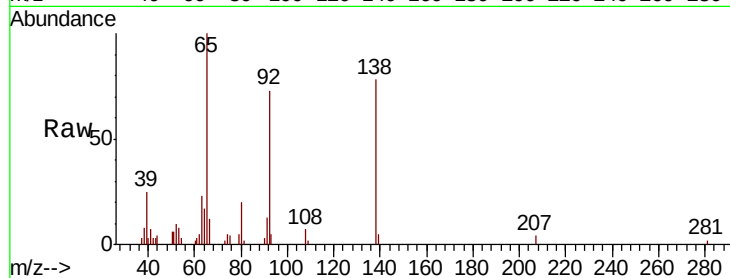
#53
3-Nitroaniline
Concen: 8.256 ng
RT: 14.54 min Scan# 1949
Delta R.T. -0.00 min
Lab File: BG043722.D
Acq: 20 Nov 2019 7:56

Instrument :
BNA_G
ClientSampleId :
HR-05-111419MSD

Tot Ion	Ratio	Lower	Upper
138	100		
108	9.0	9.8	14.8#
92	93.7	88.1	132.1

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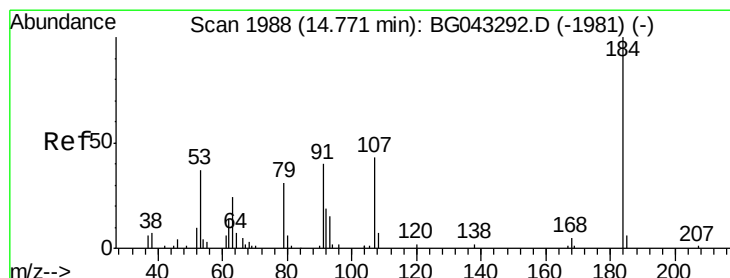
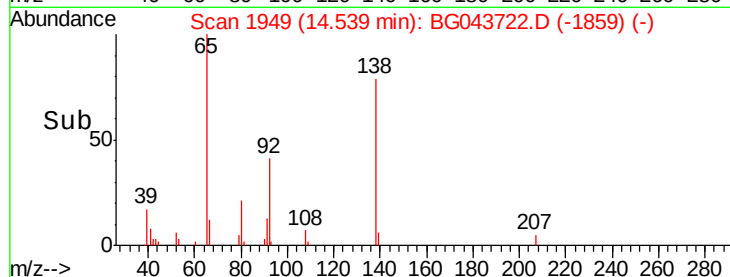
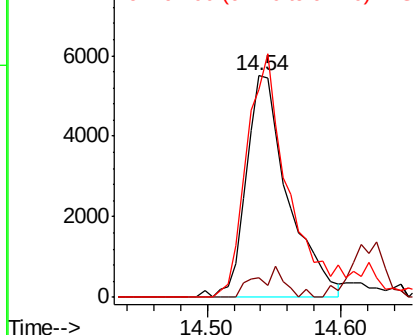


Abundance

Ion 138.00 (137.70 to 138.70): E

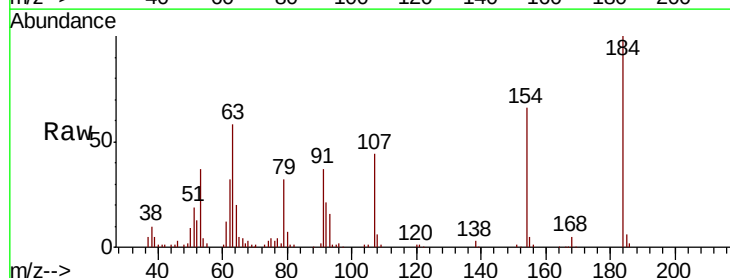
Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BGC



#54
2,4-Dinitrophenol
Concen: 99.771 ng
RT: 14.74 min Scan# 1984
Delta R.T. -0.00 min
Lab File: BG043722.D
Acq: 20 Nov 2019 7:56

Tgt Ion	Ratio	Lower	Upper
184	100		
63	57.8	59.0	88.4#
154	65.9	57.4	86.2

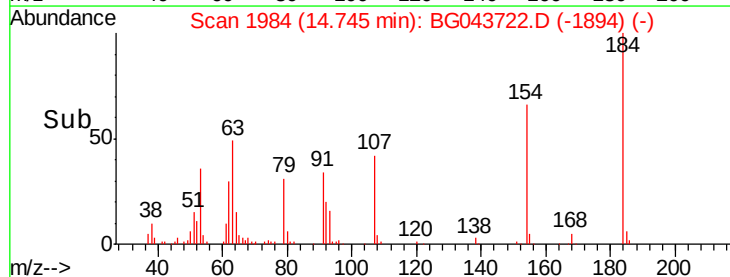
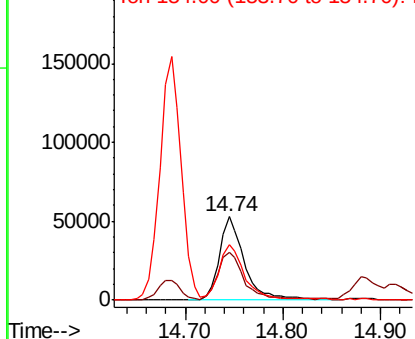


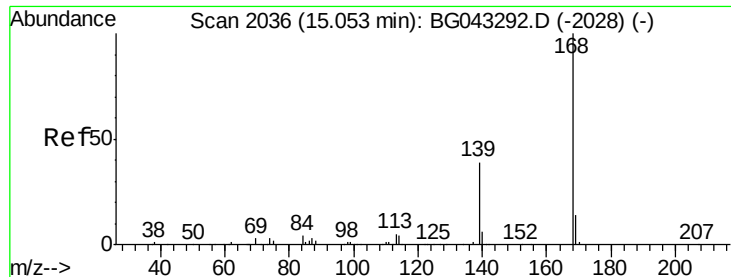
Abundance

Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 154.00 (153.70 to 154.70): E





#55

Dibenzofuran

Concen: 49.292 ng

RT: 15.02 min Scan# 2031

Delta R.T. -0.00 min

Lab File: BG043722.D

Acq: 20 Nov 2019 7:56

Instrument :

BNA_G

ClientSampleId :

HR-05-111419MSD

Tot Ion:168 Resp: 388972

Ion Ratio Lower Upper

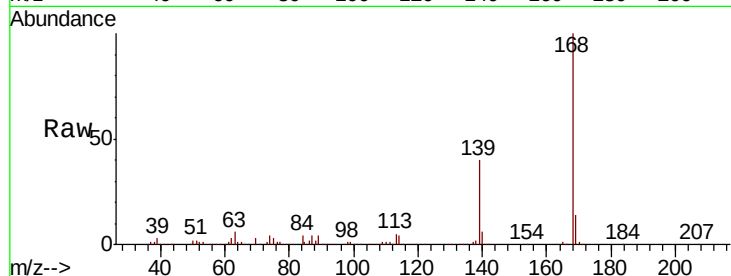
168 100

139 40.1 32.7 49.1

169 13.5 10.6 15.8

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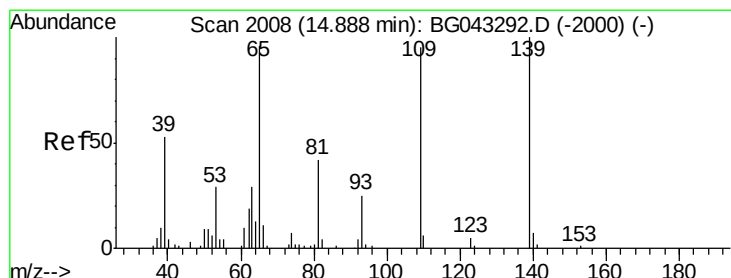
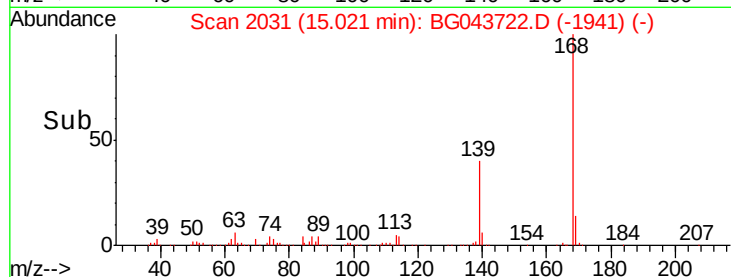
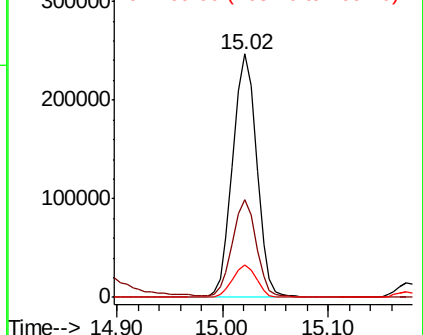


Abundance

Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#56

4-Nitrophenol

Concen: 94.853 ng

RT: 14.88 min Scan# 2007

Delta R.T. -0.01 min

Lab File: BG043722.D

Acq: 20 Nov 2019 7:56

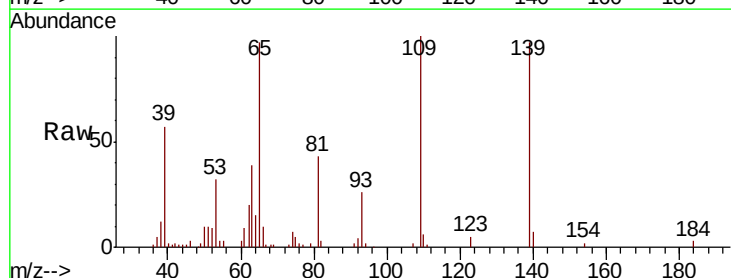
Tgt Ion:139 Resp: 91471

Ion Ratio Lower Upper

139 100

109 102.8 64.0 104.0

65 99.4 75.6 115.6

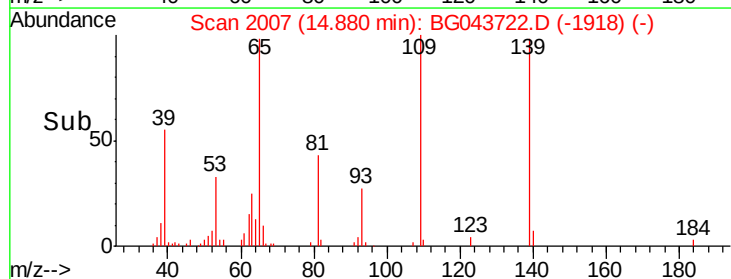
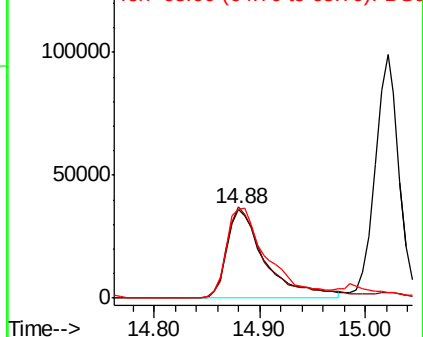


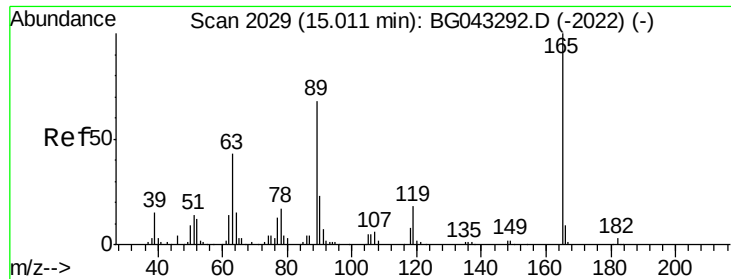
Abundance

Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BGC





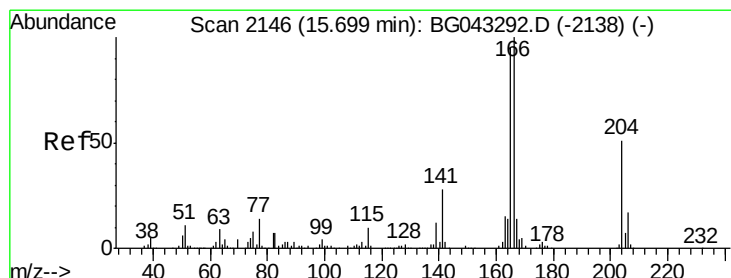
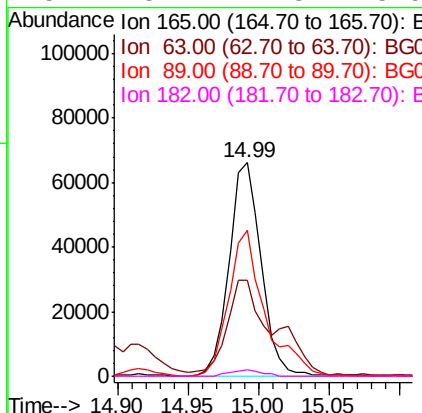
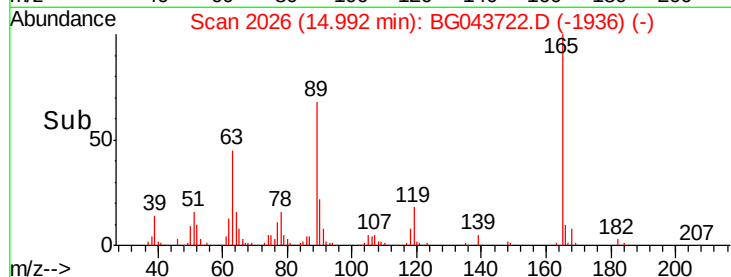
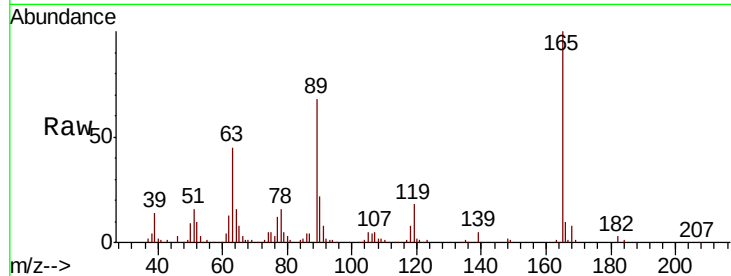
#57
 2,4-Dinitrotoluene
 Concen: 49.095 ng
 RT: 14.99 min Scan# 2026
 Delta R.T. -0.00 min
 Lab File: BG043722.D
 Acq: 20 Nov 2019 7:56

Instrument :
 BNA_G
 ClientSampleId :
 HR-05-111419MSD

Tot Ion	Ratio	Resp	Lower	Upper
165	100	104575		
63	45.1		37.4	56.0
89	68.1		50.9	76.3
182	3.2		2.3	3.5

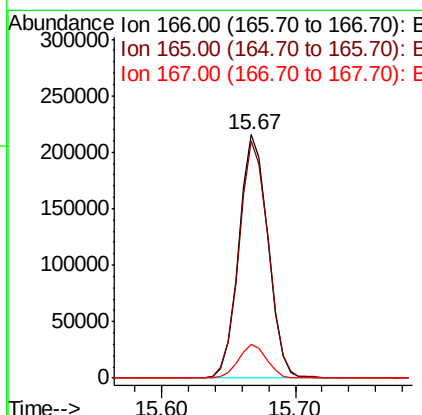
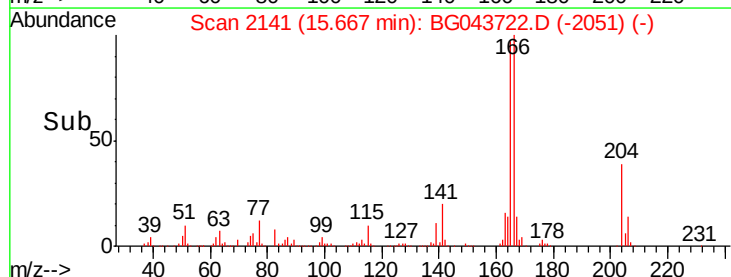
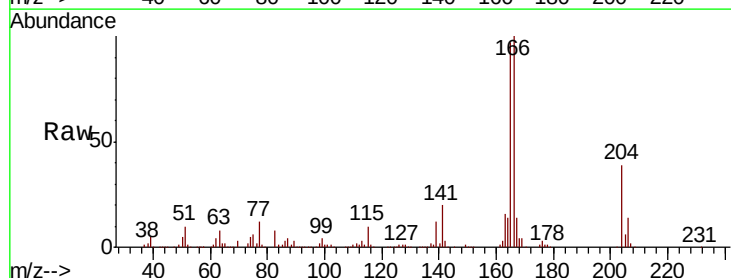
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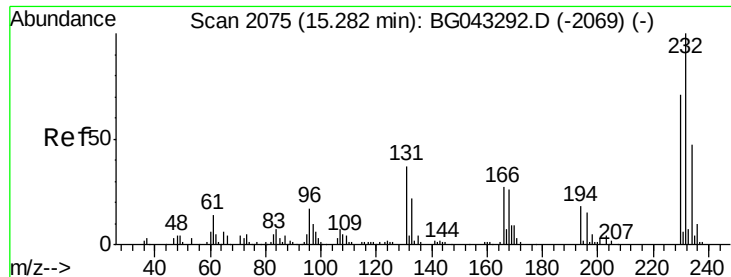
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#58
 Fluorene
 Concen: 49.085 ng
 RT: 15.67 min Scan# 2141
 Delta R.T. -0.00 min
 Lab File: BG043722.D
 Acq: 20 Nov 2019 7:56

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	324866		
165	97.4		78.4	117.6
167	13.7		11.2	16.8





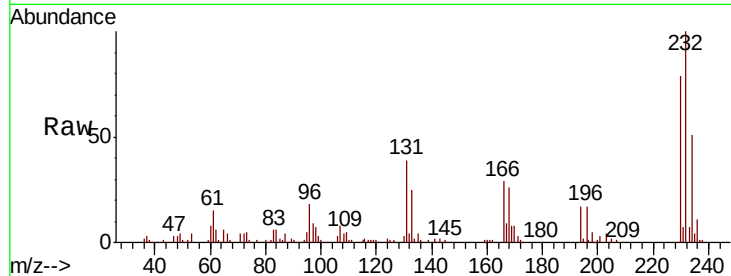
#59
 2,3,4,6-Tetrachlorophenol
 Concen: 49.450 ng
 RT: 15.26 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: BG043722.D
 Acq: 20 Nov 2019 7:56

Instrument :
 BNA_G
 ClientSampleId :
 HR-05-111419MSD

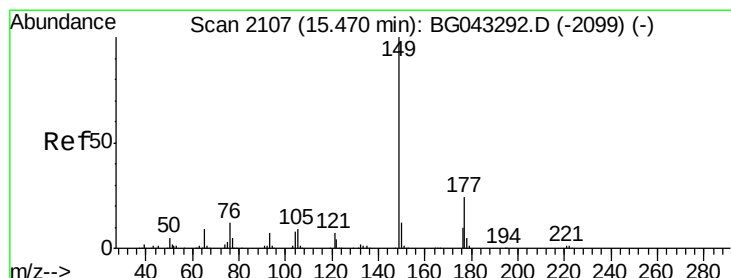
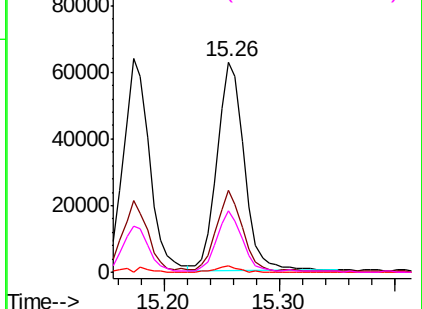
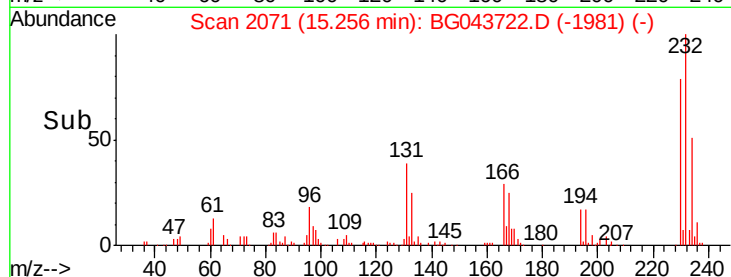
Tot Ion	Ratio	Resp Lower	Upper
232	100		
131	37.8	29.6	44.4
130	2.5	1.4	2.0
166	27.6	21.2	31.8

Manual Integrations
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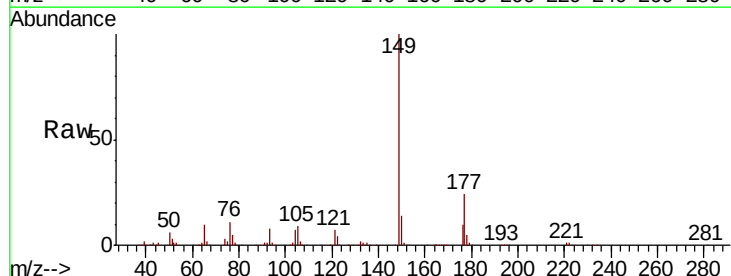


Abundance Ion 232.00 (231.70 to 232.70): E
 Ion 131.00 (130.70 to 131.70): E
 Ion 130.00 (129.70 to 130.70): E
 Ion 166.00 (165.70 to 166.70): E

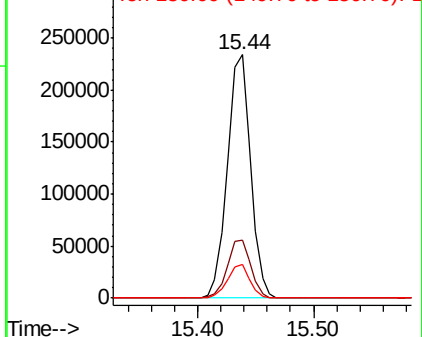
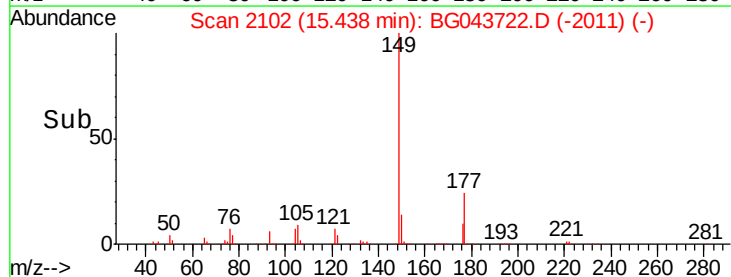


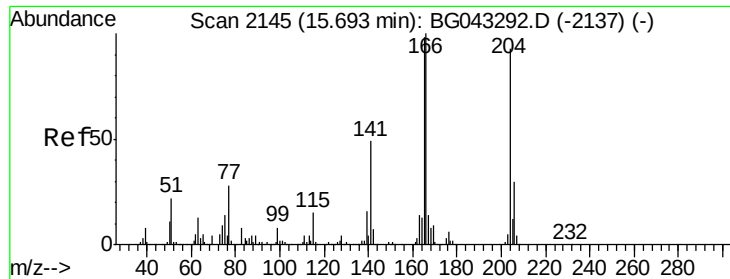
#60
 Diethylphthalate
 Concen: 47.230 ng
 RT: 15.44 min Scan# 2102
 Delta R.T. 0.00 min
 Lab File: BG043722.D
 Acq: 20 Nov 2019 7:56

Tgt Ion	Ratio	Resp Lower	Upper
149	100		
177	24.1	19.3	28.9
150	13.8	10.5	15.7



Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 177.00 (176.70 to 177.70): E
 Ion 150.00 (149.70 to 150.70): E





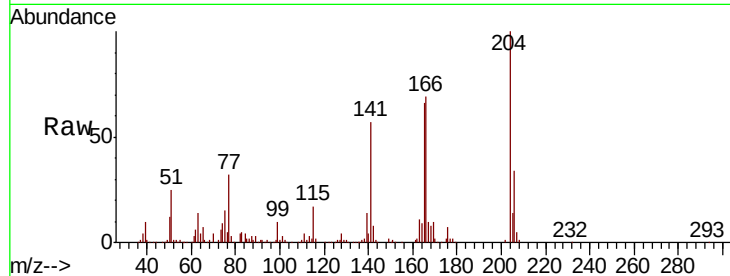
#61
4-Chlorophenyl-phenylether
Concen: 48.169 ng
RT: 15.66 min Scan# 2139
Delta R.T. -0.01 min
Lab File: BG043722.D
Acq: 20 Nov 2019 7:56

Instrument :
BNA_G
ClientSampleId :
HR-05-111419MSD

Tot Ion	Ratio	Lower	Upper
204	100		
206	34.0	28.2	42.4
141	57.3	44.5	66.7

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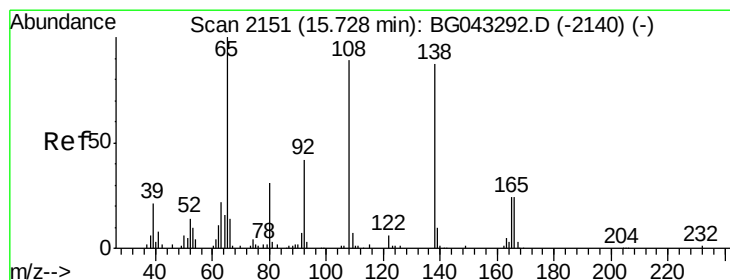
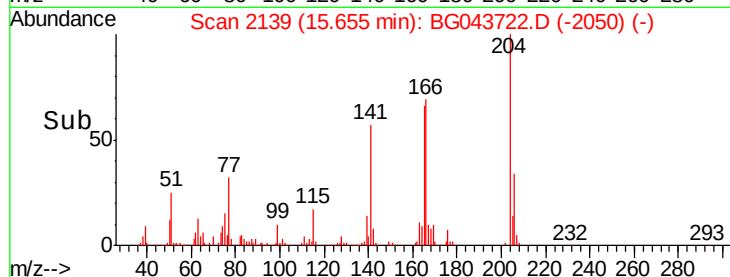
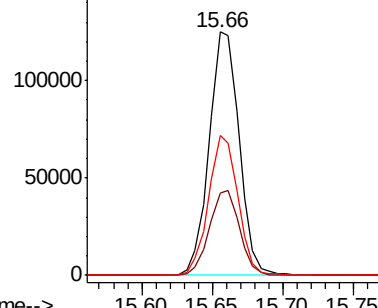


Abundance

Ion 204.00 (203.70 to 204.70): E

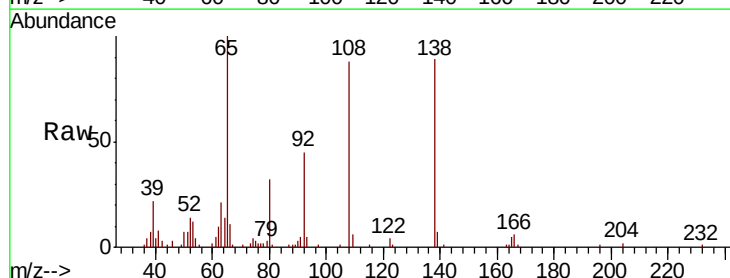
Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E



#62
4-Nitroaniline
Concen: 31.974 ng
RT: 15.71 min Scan# 2148
Delta R.T. 0.00 min
Lab File: BG043722.D
Acq: 20 Nov 2019 7:56

Tgt Ion	Ratio	Lower	Upper
138	100		
92	50.4	31.0	71.0
108	98.1	85.0	125.0

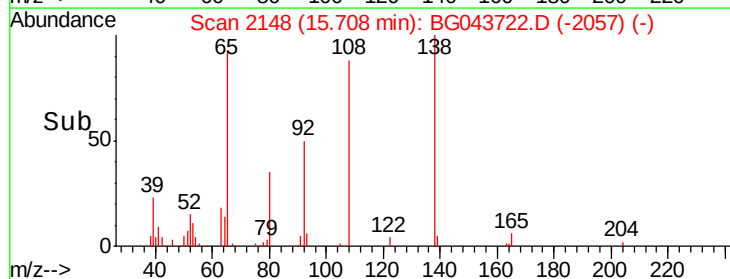
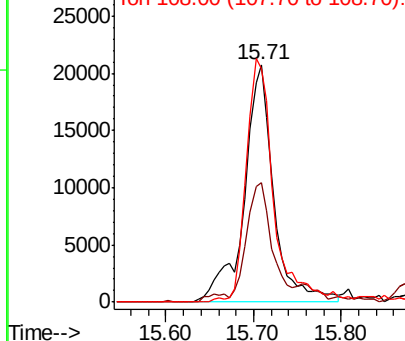


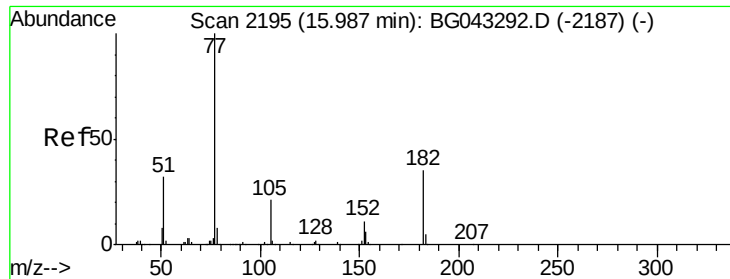
Abundance

Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BG

Ion 108.00 (107.70 to 108.70): E





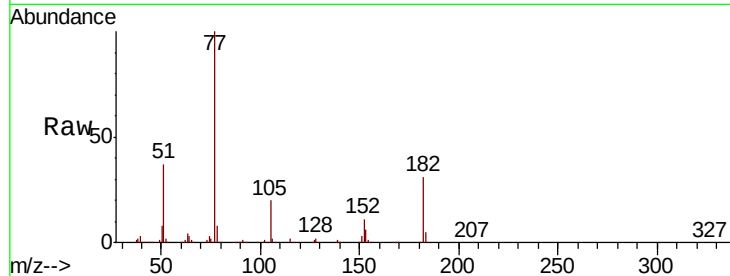
#63
Azobenzene
Concen: 48.514 ng
RT: 15.95 min Scan# 2189
Delta R.T. -0.00 min
Lab File: BG043722.D
Acq: 20 Nov 2019 7:56

Instrument :
BNA_G
ClientSampleId :
HR-05-111419MSD

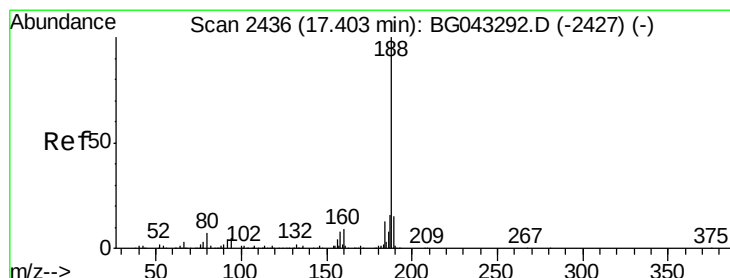
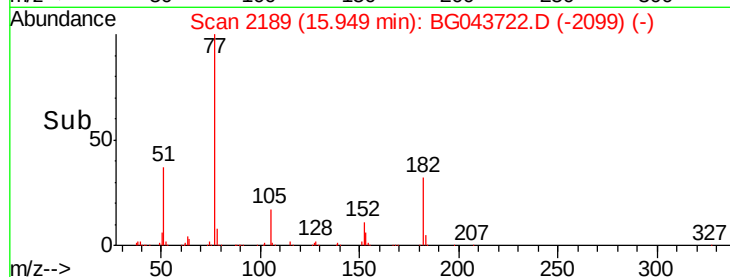
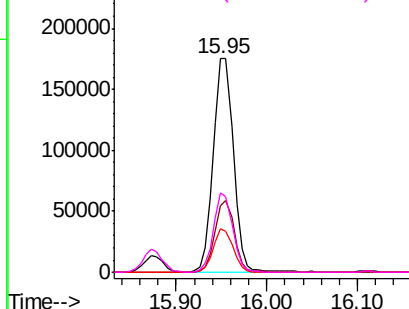
Tot Ion	Ratio	Lower	Upper
77	100		
182	30.9	11.2	51.2
105	20.3	1.5	41.5
51	36.9	14.7	54.7

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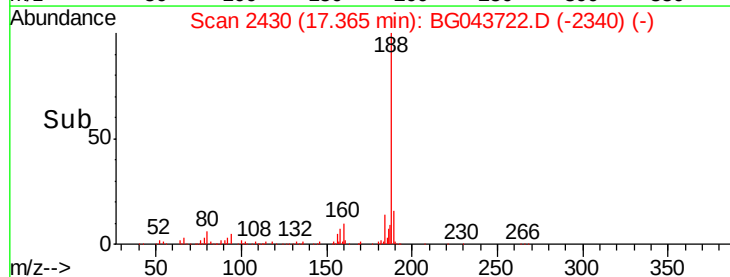
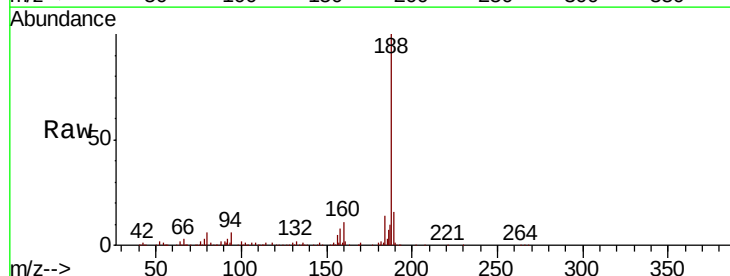
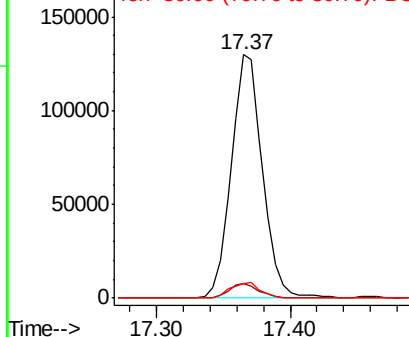
Abundance Ion 77.00 (76.70 to 77.70): BGC
Ion 182.00 (181.70 to 182.70): BGC
Ion 105.00 (104.70 to 105.70): BGC
Ion 51.00 (50.70 to 51.70): BGC

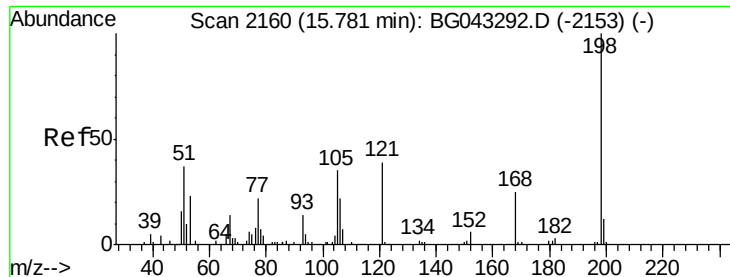


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.37 min Scan# 2430
Delta R.T. -0.00 min
Lab File: BG043722.D
Acq: 20 Nov 2019 7:56

Tgt Ion	Ratio	Lower	Upper
188	100		
94	5.9	4.6	7.0
80	6.2	5.2	7.8

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: 57.119 ng

RT: 15.76 min Scan# 2156

Delta R.T. -0.00 min

Lab File: BG043722.D

Acq: 20 Nov 2019 7:56

Instrument :

BNA_G

ClientSampleId :

HR-05-111419MSD

Tot Ion:198 Resp: 70585

Ion Ratio Lower Upper

198 100

51 42.3 17.3 57.3

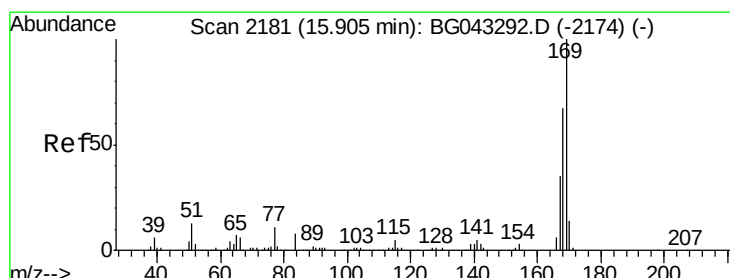
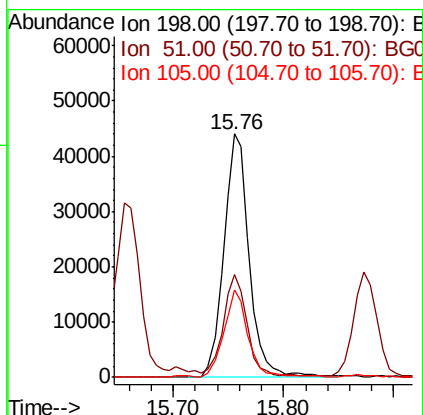
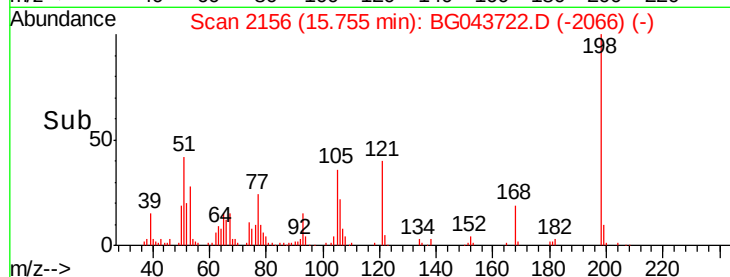
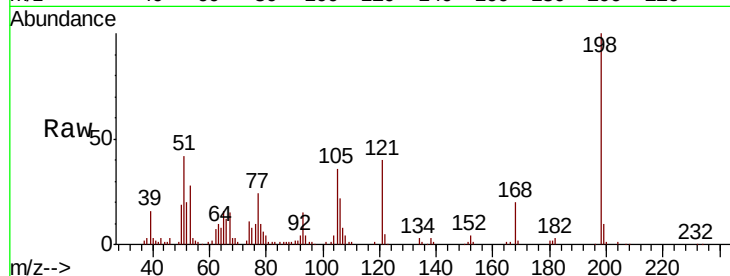
105 36.0 13.9 53.9

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#66

n-Nitrosodiphenylamine

Concen: 34.795 ng

RT: 15.87 min Scan# 2176

Delta R.T. -0.01 min

Lab File: BG043722.D

Acq: 20 Nov 2019 7:56

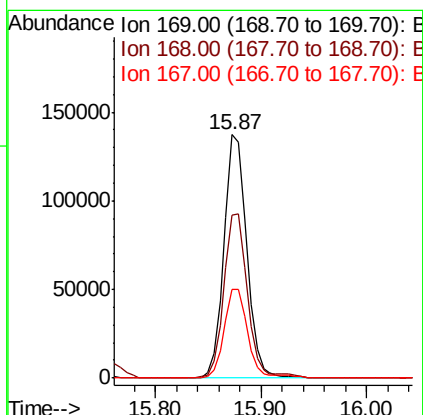
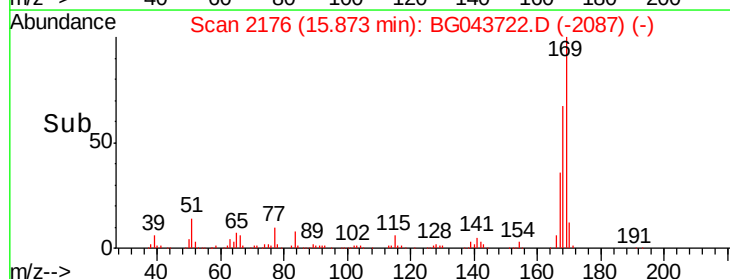
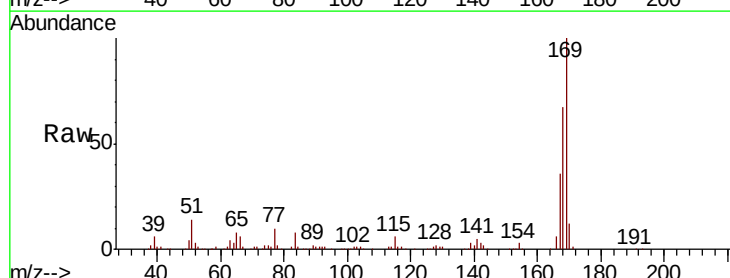
Tgt Ion:169 Resp: 206278

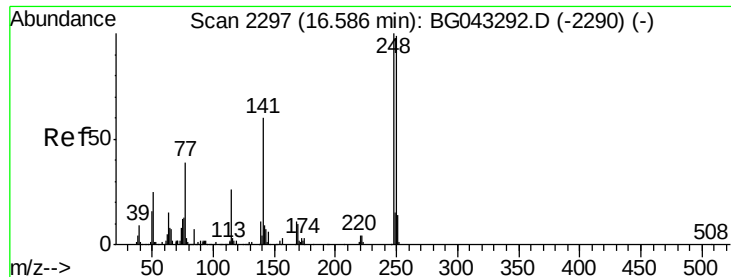
Ion Ratio Lower Upper

169 100

168 67.1 56.2 84.4

167 36.3 29.8 44.8





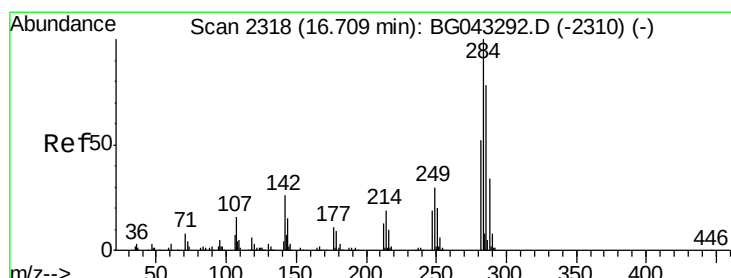
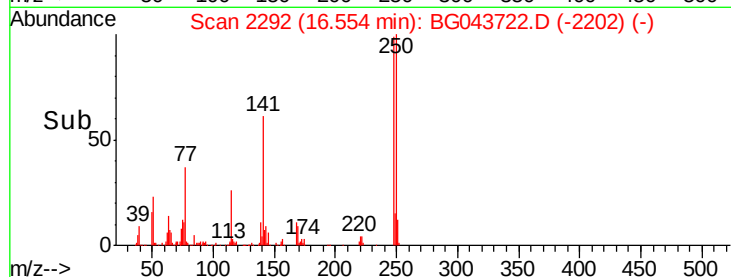
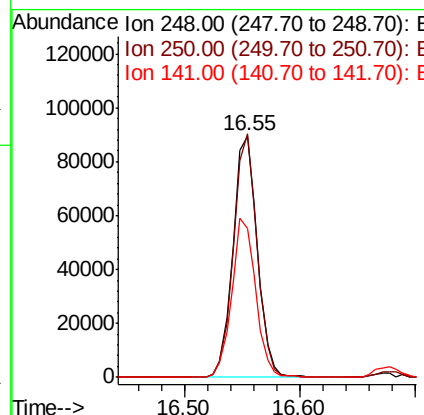
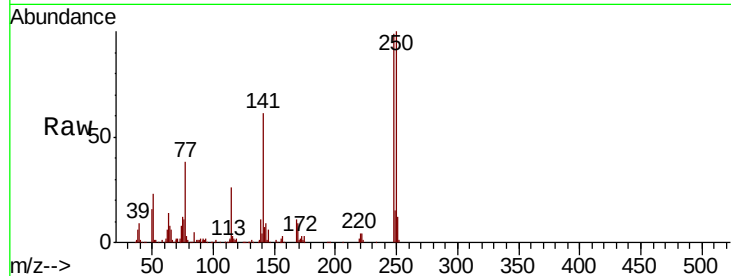
#67
4-Bromophenyl-phenylether
Concen: 46.039 ng
RT: 16.55 min Scan# 2292
Delta R.T. -0.00 min
Lab File: BG043722.D
Acq: 20 Nov 2019 7:56

Instrument :
BNA_G
ClientSampleId :
HR-05-111419MSD

Tot Ion	Ratio	Lower	Upper
248	100		
250	100.9	76.3	114.5
141	61.5	49.5	74.3

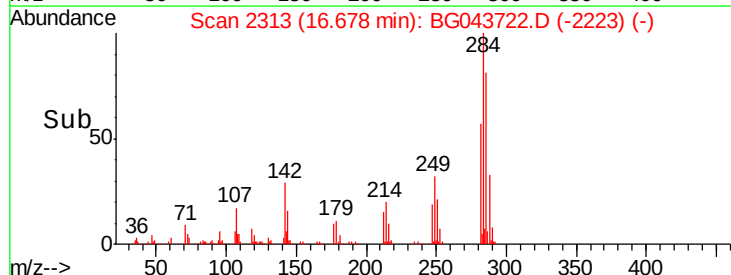
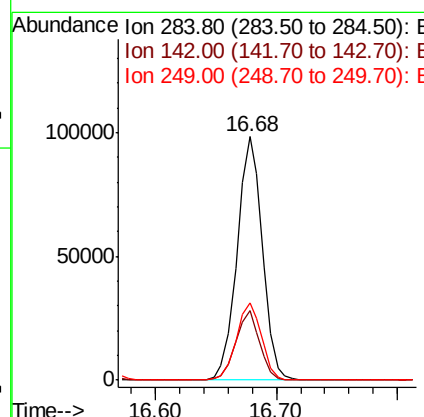
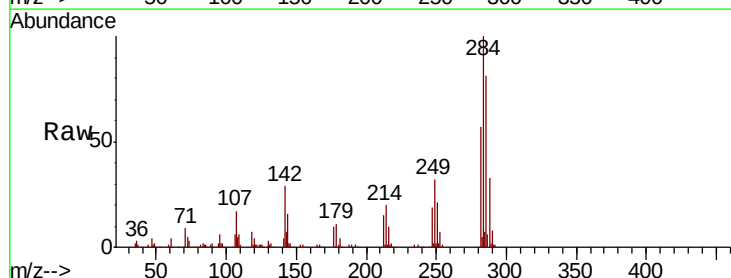
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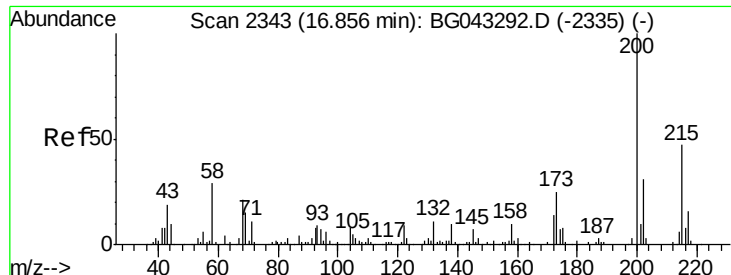
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#68
Hexachlorobenzene
Concen: 44.071 ng
RT: 16.68 min Scan# 2313
Delta R.T. -0.00 min
Lab File: BG043722.D
Acq: 20 Nov 2019 7:56

Tgt Ion	Ratio	Lower	Upper
284	100		
142	28.6	23.2	34.8
249	32.0	27.0	40.4





#69

Atrazine

Concen: 22.203 ng

RT: 16.82 min Scan# 2338

Delta R.T. -0.00 min

Lab File: BG043722.D

Acq: 20 Nov 2019 7:56

Instrument :

BNA_G

ClientSampleId :

HR-05-111419MSD

Tot Ion:200 Resp: 45738

Ion Ratio Lower Upper

200 100

173 22.8 5.1 45.1

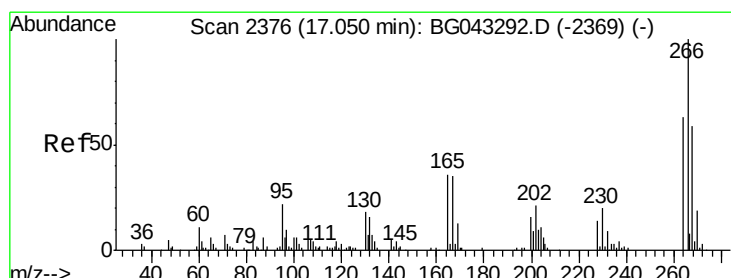
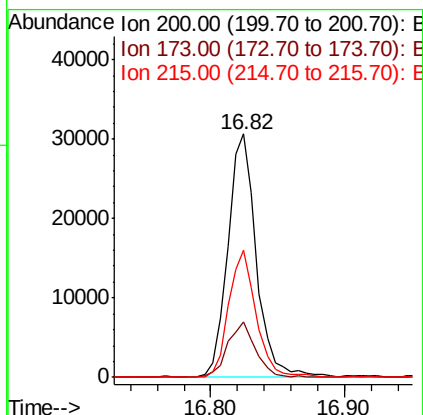
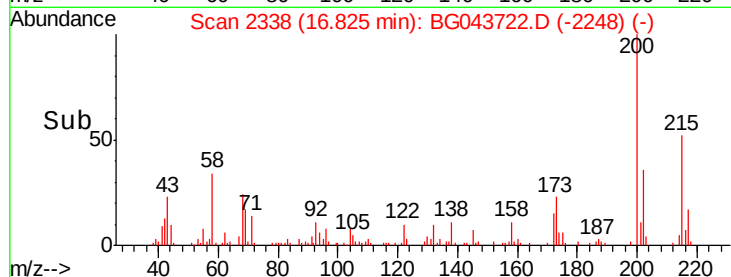
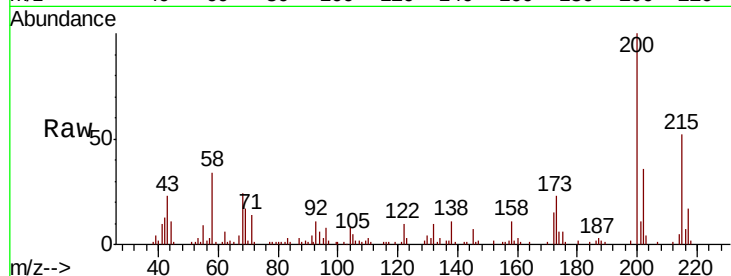
215 52.0 29.8 69.8

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#70

Pentachlorophenol

Concen: 102.378 ng

RT: 17.03 min Scan# 2373

Delta R.T. -0.00 min

Lab File: BG043722.D

Acq: 20 Nov 2019 7:56

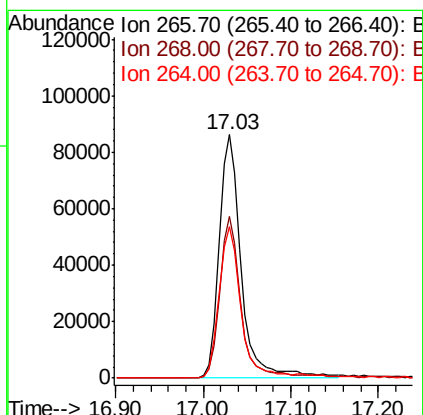
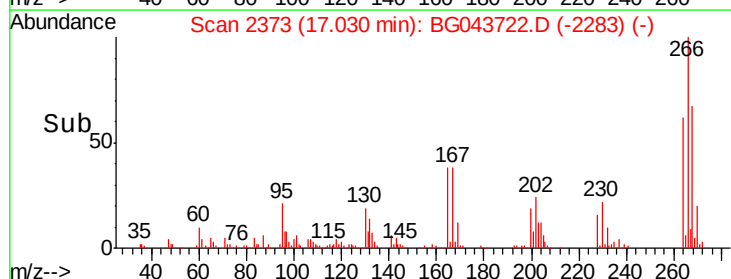
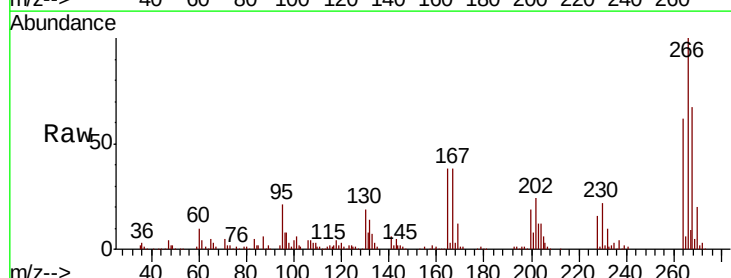
Tgt Ion:266 Resp: 151321

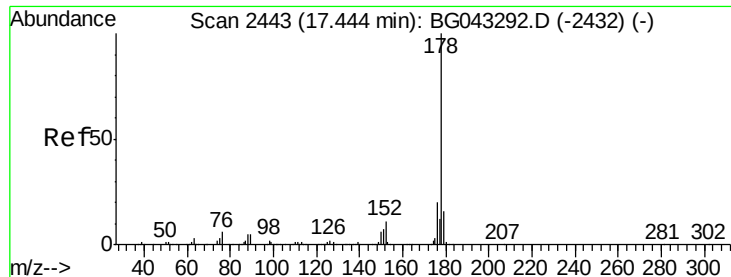
Ion Ratio Lower Upper

266 100

268 66.6 53.2 79.8

264 62.4 48.9 73.3





#71

Phenanthrene

Concen: 46.723 ng

RT: 17.41 min Scan# 2438

Delta R.T. -0.00 min

Lab File: BG043722.D

Acq: 20 Nov 2019 7:56

Instrument :

BNA_G

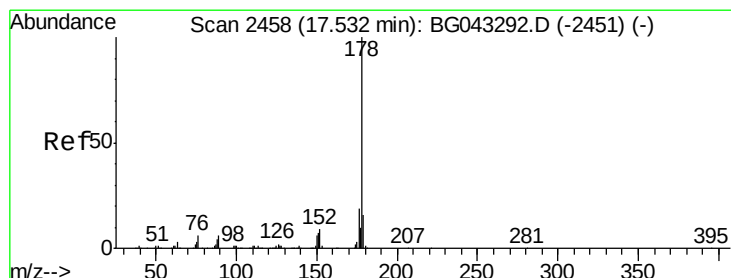
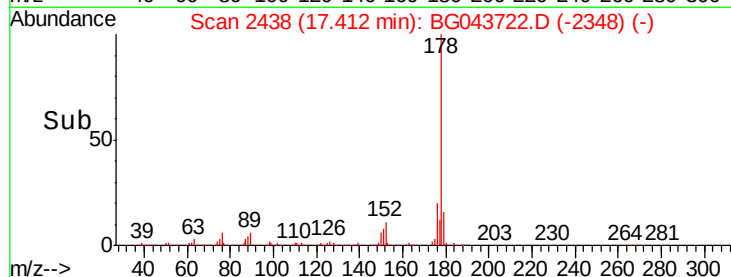
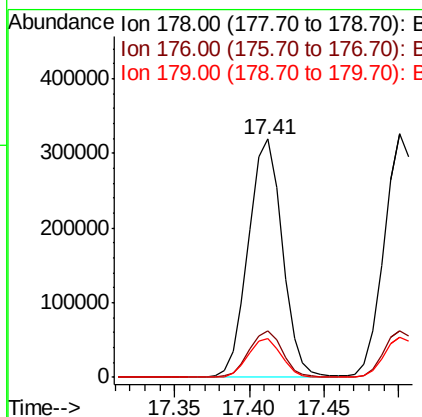
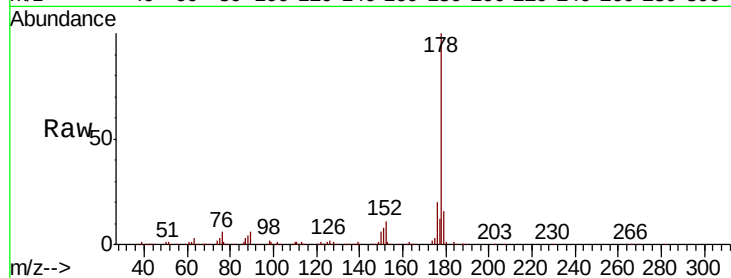
ClientSampleId :

HR-05-111419MSD

Tot Ion:178	Resp:	502403
Ion Ratio	Lower	Upper
178	100	
176	19.6	15.0 22.4
179	16.4	13.0 19.4

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#72

Anthracene

Concen: 47.317 ng

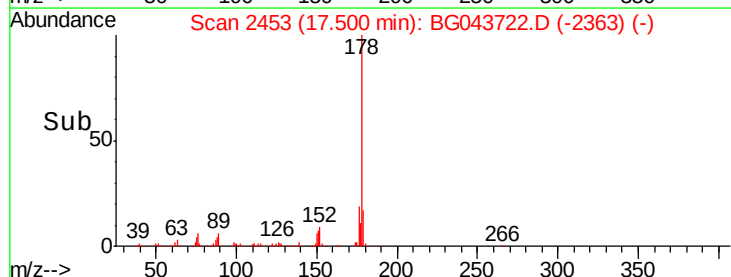
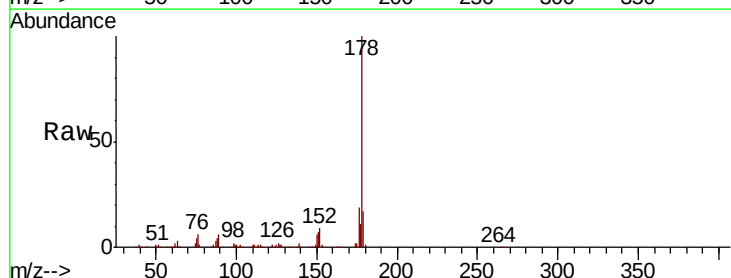
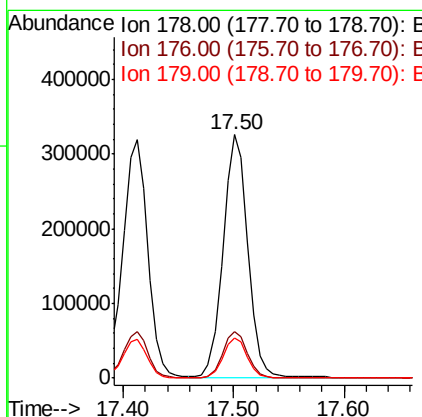
RT: 17.50 min Scan# 2453

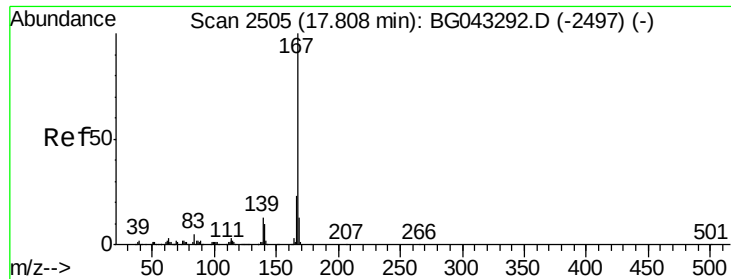
Delta R.T. -0.00 min

Lab File: BG043722.D

Acq: 20 Nov 2019 7:56

Tgt Ion:178	Resp:	509051
Ion Ratio	Lower	Upper
178	100	
176	19.0	15.0 22.6
179	16.7	13.3 19.9





#73

Carbazole

Concen: 36.307 ng

RT: 17.78 min Scan# 2500

Delta R.T. -0.00 min

Lab File: BG043722.D

Acq: 20 Nov 2019 7:56

Instrument :

BNA_G

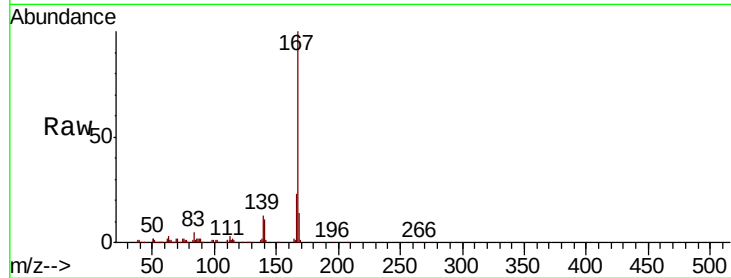
ClientSampleId :

HR-05-111419MSD

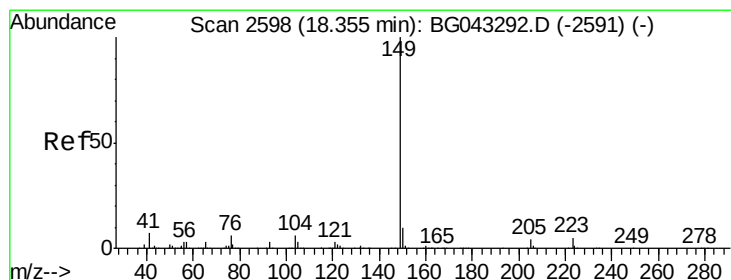
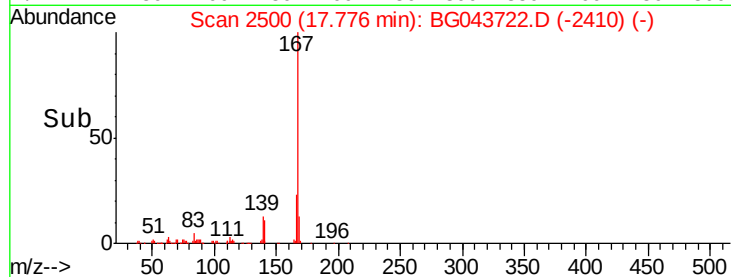
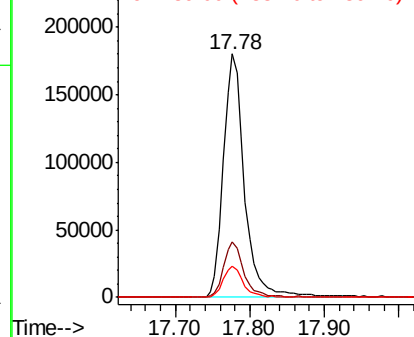
Tot Ion:	167	Resp:	353722
Ion Ratio	Lower	Upper	
167	100		
166	22.6	17.6	26.4
139	12.7	10.3	15.5

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Abundance Ion 167.00 (166.70 to 167.70): E
Ion 166.00 (165.70 to 166.70): E
Ion 139.00 (138.70 to 139.70): E



#74

Di-n-butylphthalate

Concen: 45.102 ng

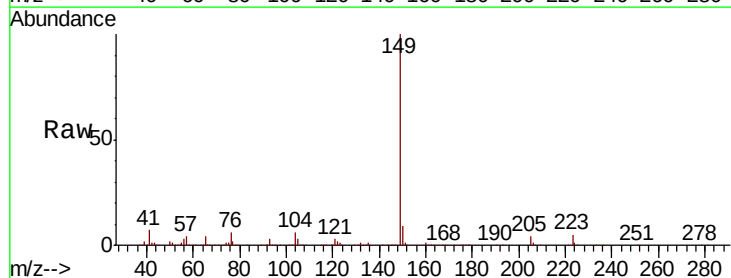
RT: 18.32 min Scan# 2593

Delta R.T. -0.00 min

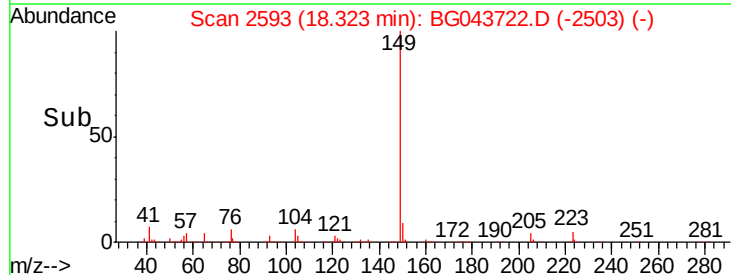
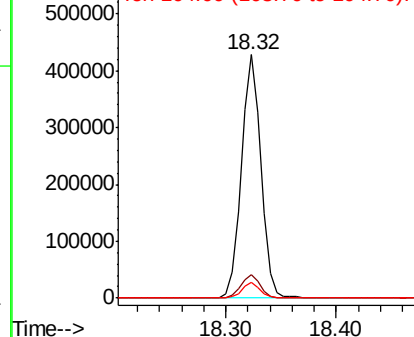
Lab File: BG043722.D

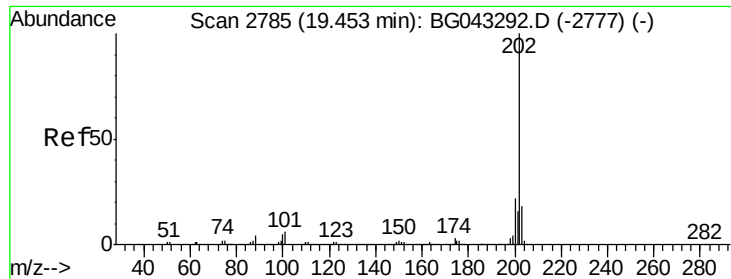
Acq: 20 Nov 2019 7:56

Tgt Ion:	149	Resp:	533154
Ion Ratio	Lower	Upper	
149	100		
150	9.4	7.6	11.4
104	6.3	4.7	7.1



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 104.00 (103.70 to 104.70): E





#75

Fluoranthene

Concen: 45.967 ng

RT: 19.42 min Scan# 2780

Delta R.T. -0.00 min

Lab File: BG043722.D

Acq: 20 Nov 2019 7:56

Instrument :

BNA_G

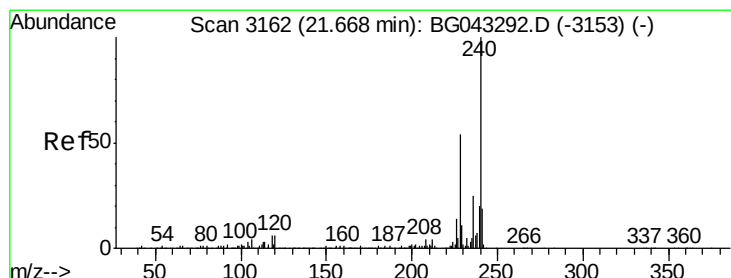
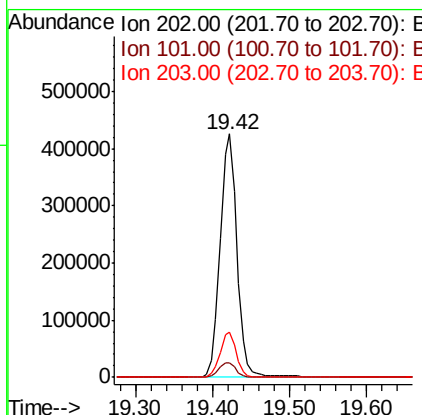
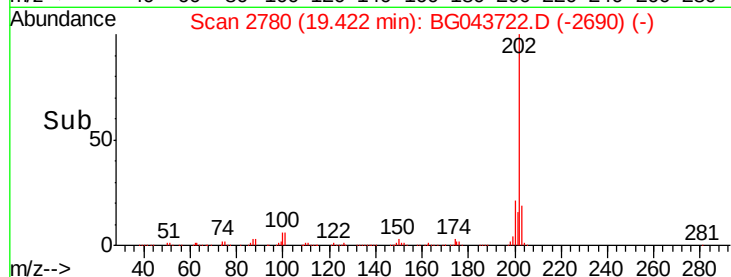
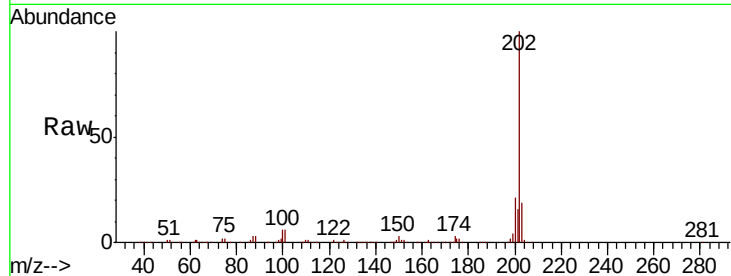
ClientSampleId :

HR-05-111419MSD

Tot Ion	Ratio	Resp	Lower	Upper
202	100	644373		
101	5.9	0.0	25.6	
203	18.7	0.0	37.6	

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#76

Chrysene-d12

Concen: 20.000 ng

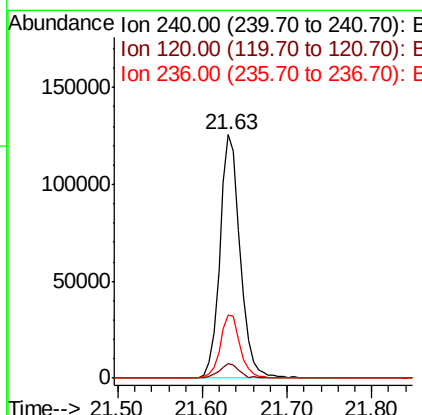
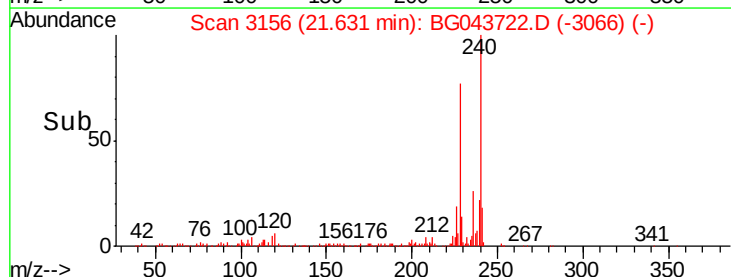
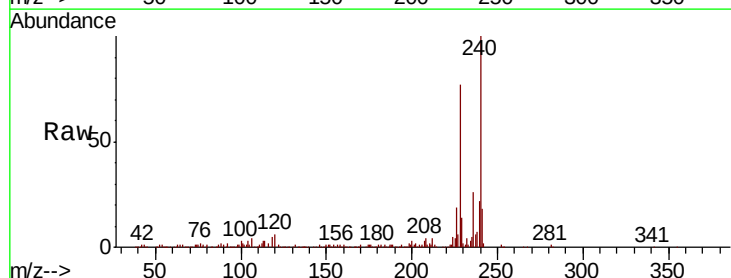
RT: 21.63 min Scan# 3156

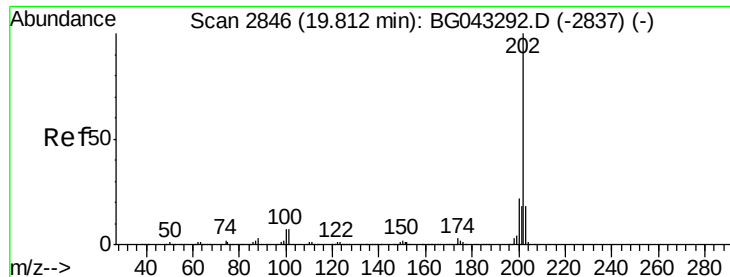
Delta R.T. -0.00 min

Lab File: BG043722.D

Acq: 20 Nov 2019 7:56

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	209085		
120	6.2	4.9	7.3	
236	25.8	21.4	32.0	





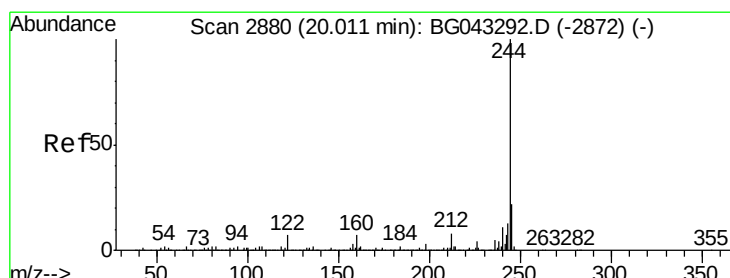
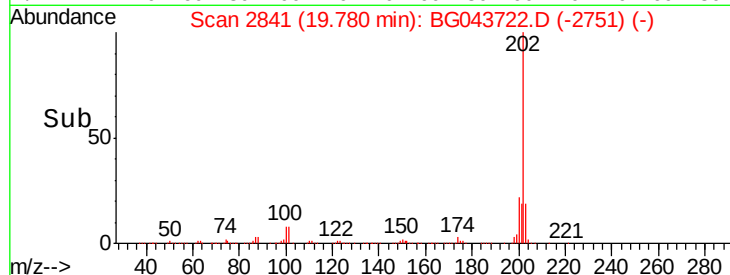
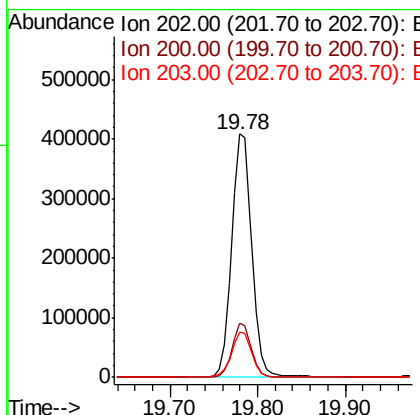
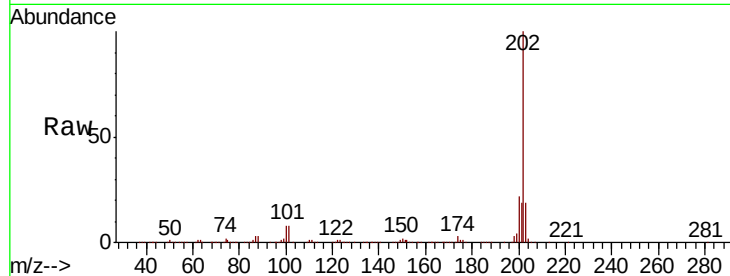
#78
Pvrene
Concen: 49.473 ng
RT: 19.78 min Scan# 2841
Delta R.T. -0.00 min
Lab File: BG043722.D
Acq: 20 Nov 2019 7:56

Instrument :
BNA_G
ClientSampleId :
HR-05-111419MSD

Tot Ion	Ratio	Lower	Upper
202	100		
200	22.5	16.9	25.3
203	18.6	14.8	22.2

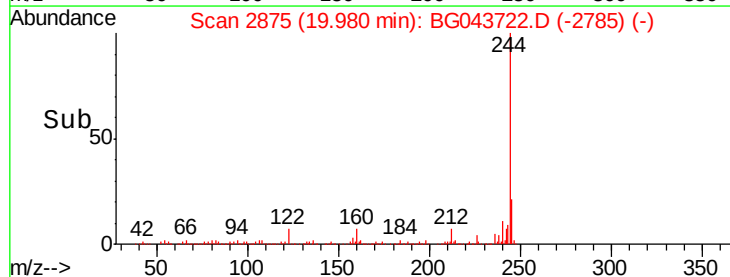
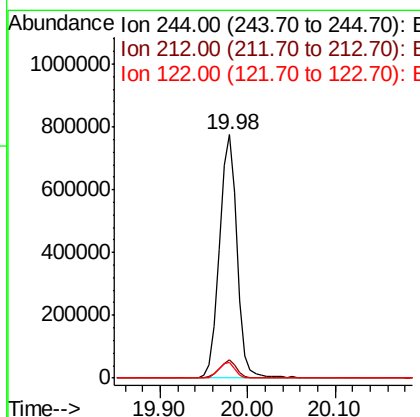
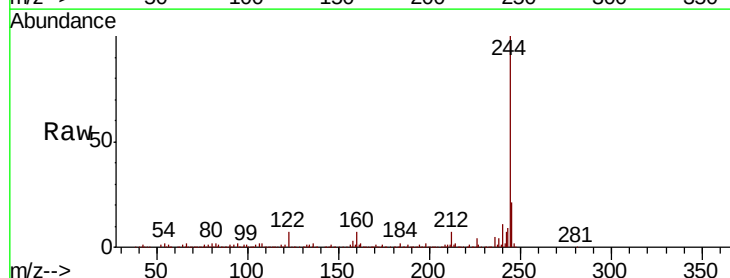
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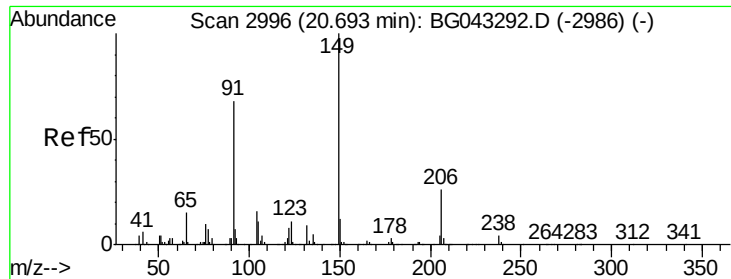
mohammad
11/21/2019 9:04:26 AM



#79
Terphenyl-d14
Concen: 97.326 ng
RT: 19.98 min Scan# 2875
Delta R.T. -0.00 min
Lab File: BG043722.D
Acq: 20 Nov 2019 7:56

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.4	5.6	8.4
122	6.6	5.2	7.8





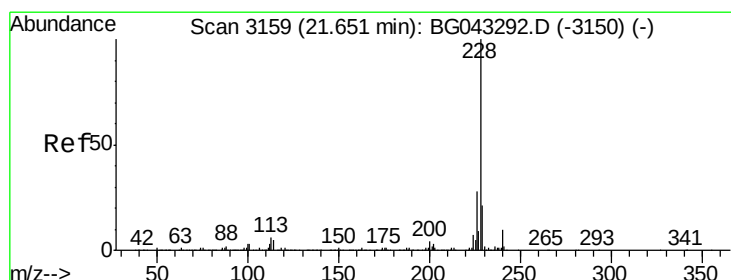
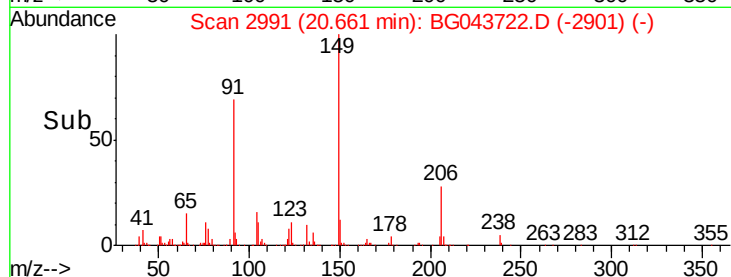
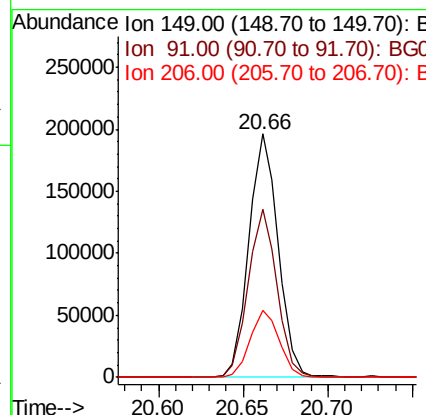
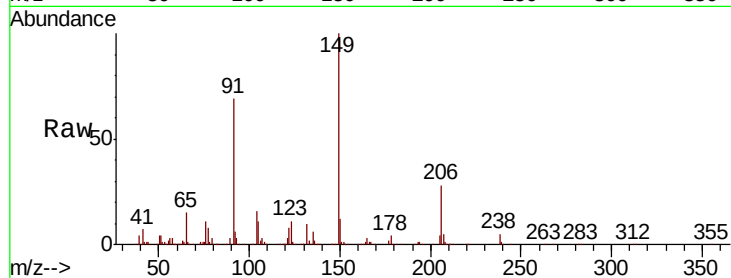
#80
Butylbenzylphthalate
Concen: 48.350 ng
RT: 20.66 min Scan# 2991
Delta R.T. -0.00 min
Lab File: BG043722.D
Acq: 20 Nov 2019 7:56

Instrument :
BNA_G
ClientSampleId :
HR-05-111419MSD

Tot Ion	Ratio	Lower	Upper
149	100		
91	69.1	55.4	83.0
206	27.7	20.2	30.4

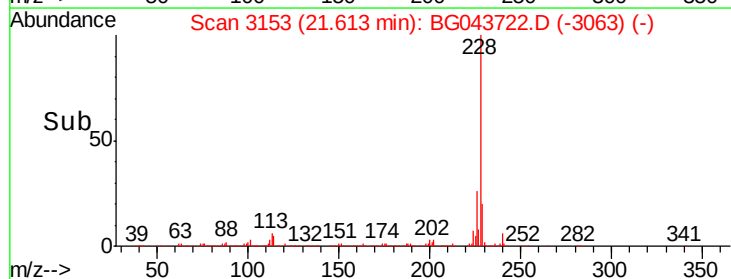
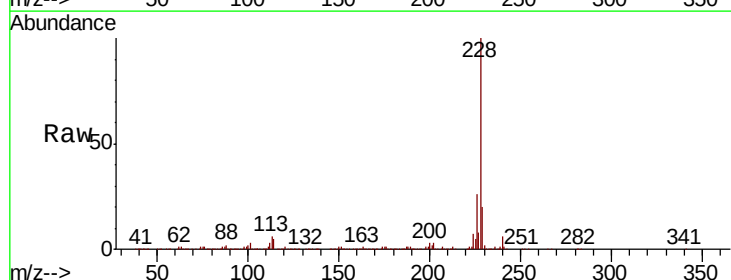
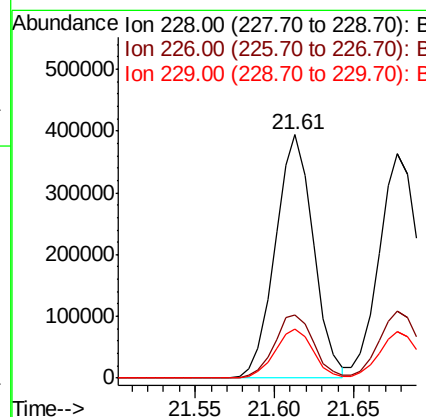
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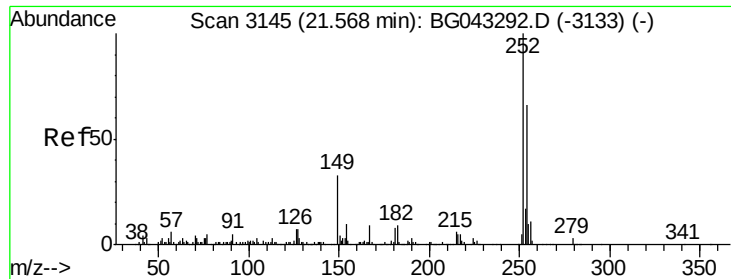
mohammad
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#81
Benzo(a)anthracene
Concen: 50.223 ng
RT: 21.61 min Scan# 3153
Delta R.T. -0.00 min
Lab File: BG043722.D
Acq: 20 Nov 2019 7:56

Tgt Ion	Ratio	Lower	Upper
228	100		
226	26.1	21.8	32.6
229	20.3	15.9	23.9





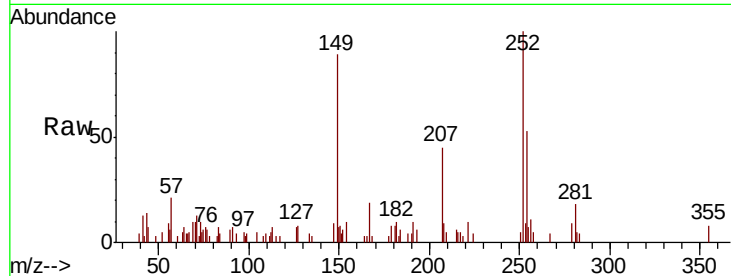
#82
 3,3'-Dichlorobenzidine
 Concen: 2.531 ng
 RT: 21.54 min Scan# 3140
 Delta R.T. 0.00 min
 Lab File: BG043722.D
 Acq: 20 Nov 2019 7:56

Instrument :
 BNA_G
 ClientSampleId :
 HR-05-111419MSD

Tot Ion	Ratio	Lower	Upper
252	100		
254	52.6	50.2	75.4
126	7.2	5.4	8.0

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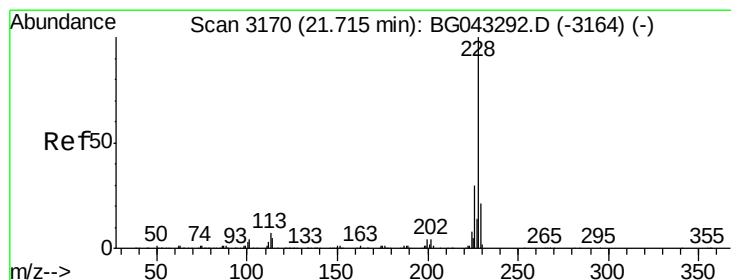
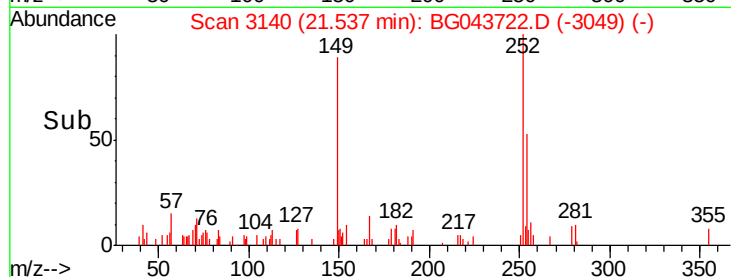
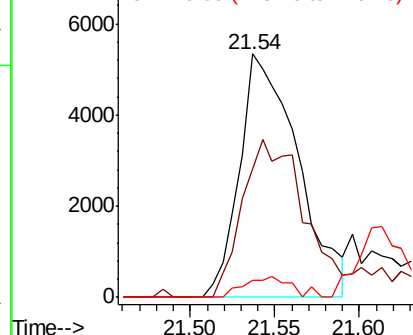


Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E



#83
 Chrysene
 Concen: 49.355 ng
 RT: 21.68 min Scan# 3164
 Delta R.T. -0.00 min
 Lab File: BG043722.D
 Acq: 20 Nov 2019 7:56

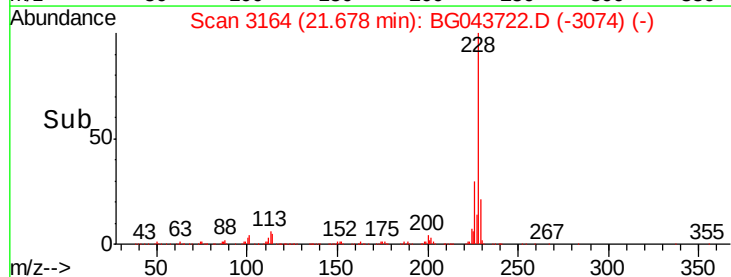
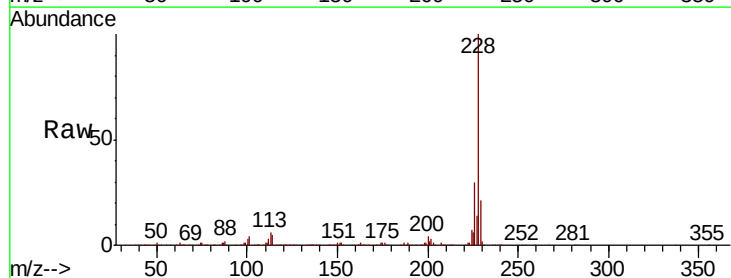
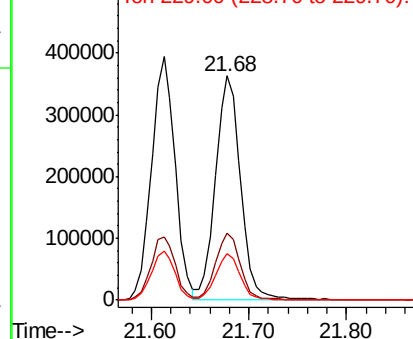
Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.1	23.3	34.9
229	20.6	16.5	24.7

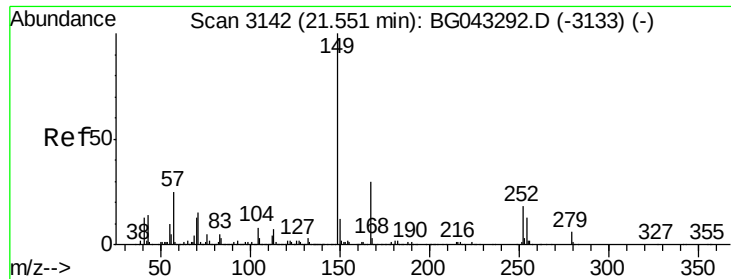
Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





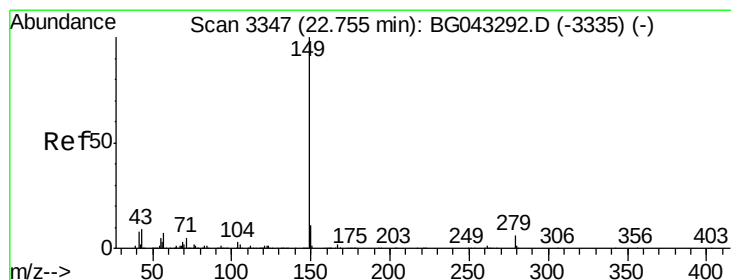
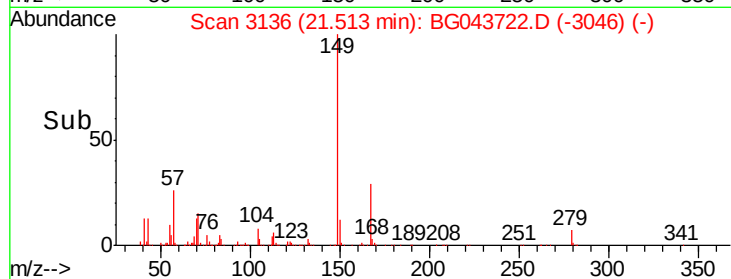
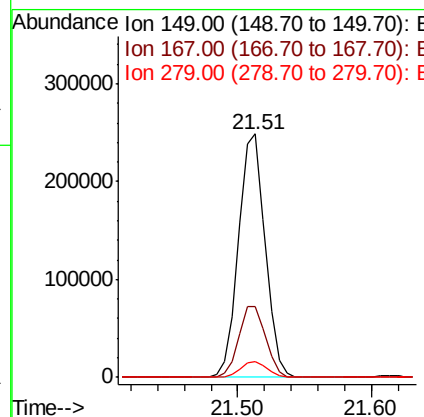
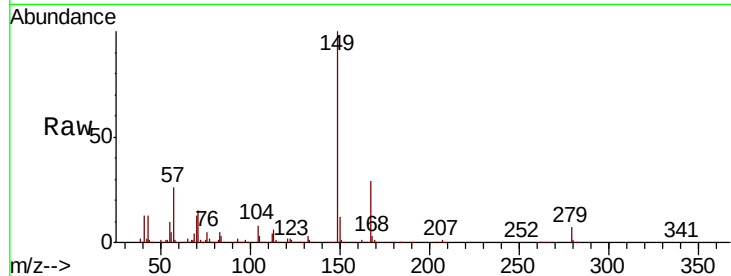
#84
 Bis(2-ethylhexyl)phthalate
 Concen: 49.674 ng
 RT: 21.51 min Scan# 3136
 Delta R.T. -0.00 min
 Lab File: BG043722.D
 Acq: 20 Nov 2019 7:56

Instrument :
 BNA_G
 ClientSampleId :
 HR-05-111419MSD

Tot Ion	Ratio	Resp	Lower	Upper
149	100			
167	29.2	24.8	37.2	
279	6.6	5.4	8.0	

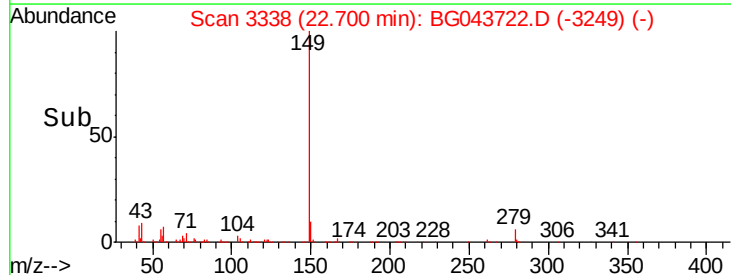
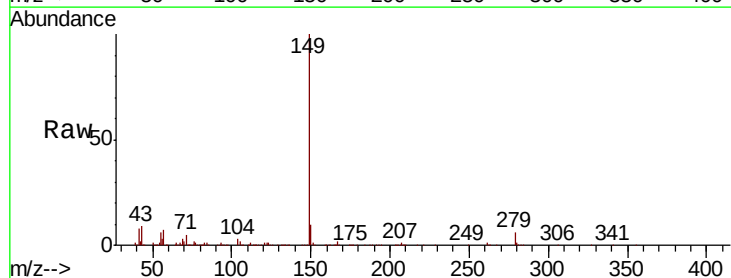
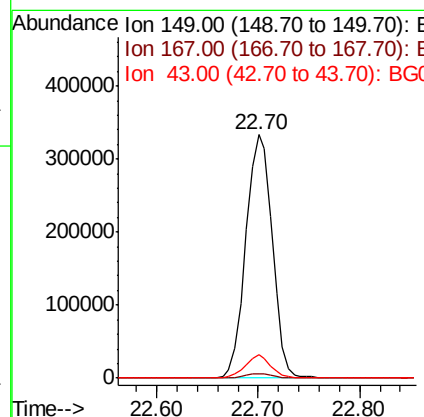
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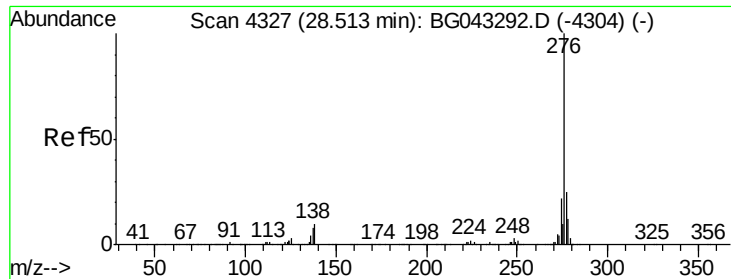
mohammad
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#85
 Di-n-octyl phthalate
 Concen: 50.994 ng
 RT: 22.70 min Scan# 3338
 Delta R.T. -0.01 min
 Lab File: BG043722.D
 Acq: 20 Nov 2019 7:56

Tgt Ion	Ratio	Resp	Lower	Upper
149	100			
167	1.8	1.4	2.2	
43	8.9	7.8	11.8	





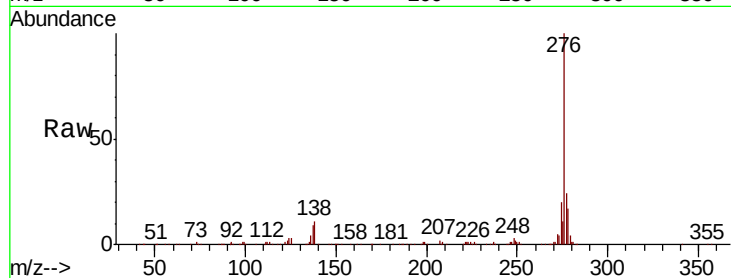
#86
Indeno(1,2,3-cd)pyrene
Concen: 48.842 ng
RT: 28.43 min Scan# 4313
Delta R.T. -0.01 min
Lab File: BG043722.D
Acq: 20 Nov 2019 7:56

Instrument :
BNA_G
ClientSampleId :
HR-05-111419MSD

Tot Ion	Ratio	Lower	Upper
276	100		
138	14.2	11.3	16.9
277	25.7	20.6	31.0

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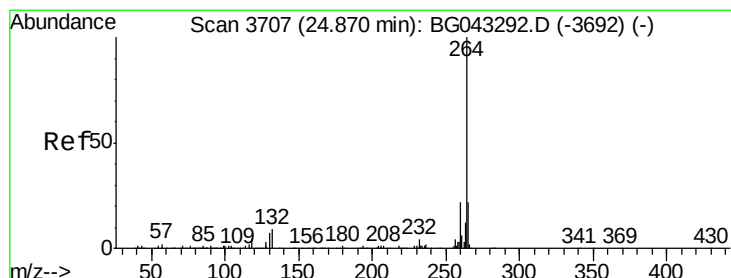
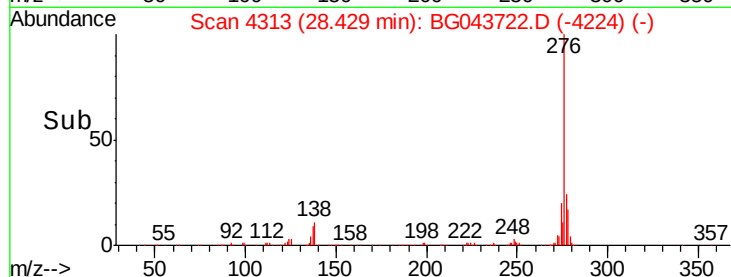
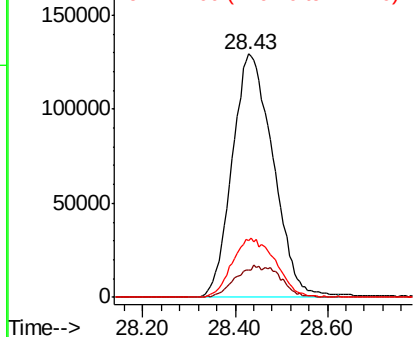


Abundance

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
Perylene-d12
Concen: 20.000 ng
RT: 24.80 min Scan# 3696
Delta R.T. -0.01 min
Lab File: BG043722.D
Acq: 20 Nov 2019 7:56

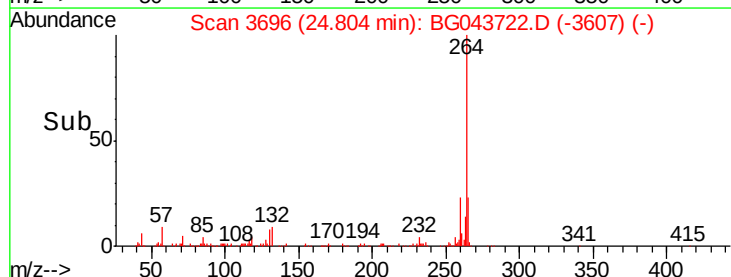
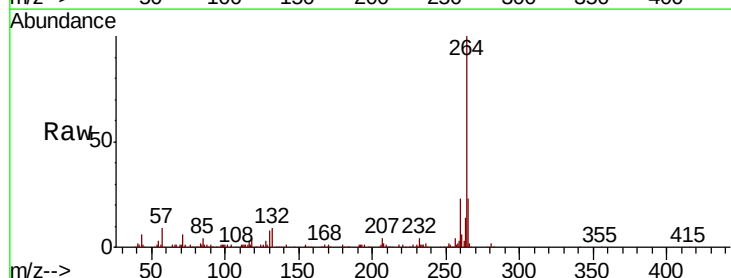
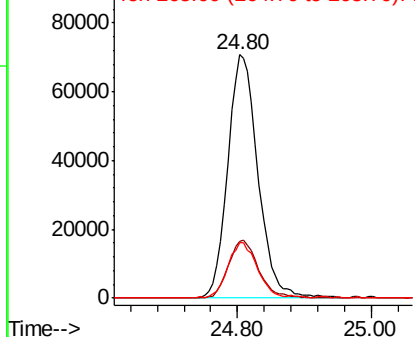
Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.4	18.4	27.6
265	22.7	15.8	23.8

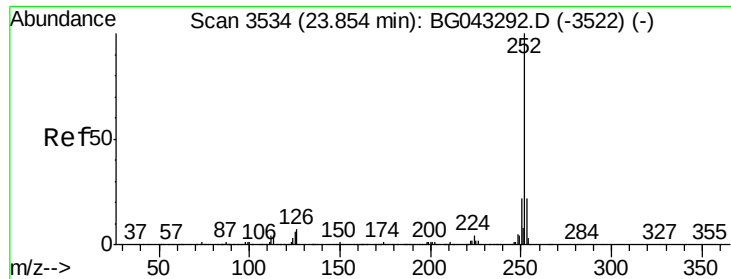
Abundance

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





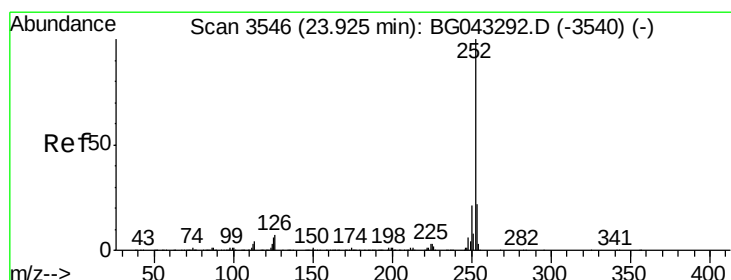
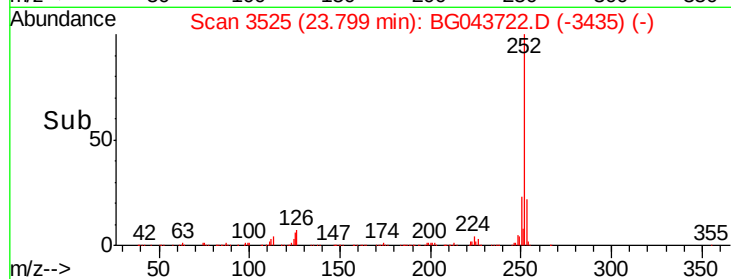
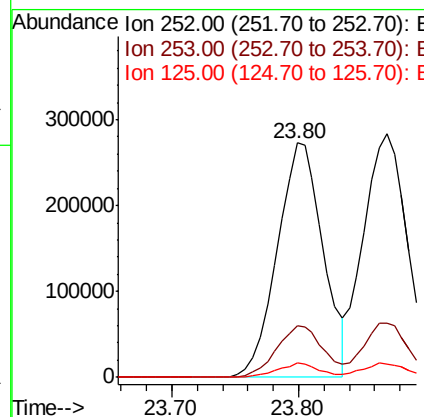
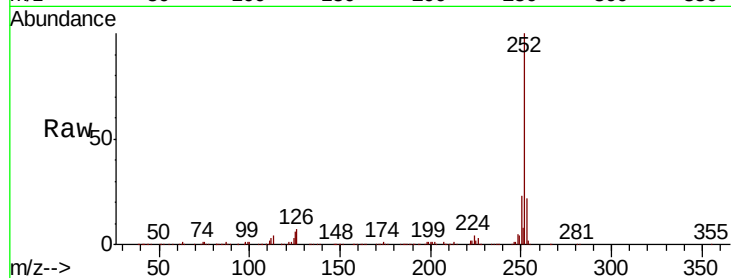
#88
Benzo(b)fluoranthene
Concen: 54.246 ng
RT: 23.80 min Scan# 3525
Delta R.T. -0.00 min
Lab File: BG043722.D
Acq: 20 Nov 2019 7:56

Instrument :
BNA_G
ClientSampleId :
HR-05-111419MSD

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.7	26.5
125	6.2	4.5	6.7

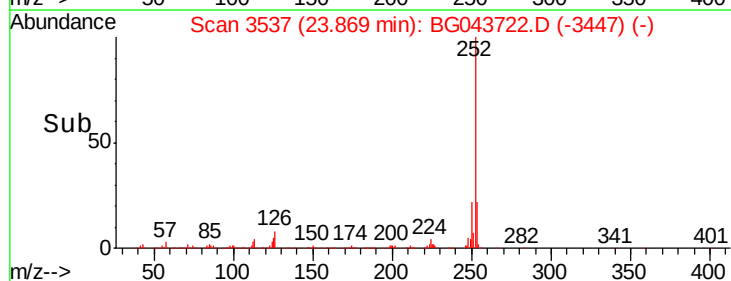
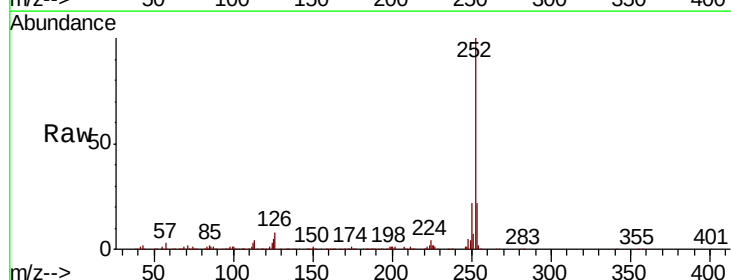
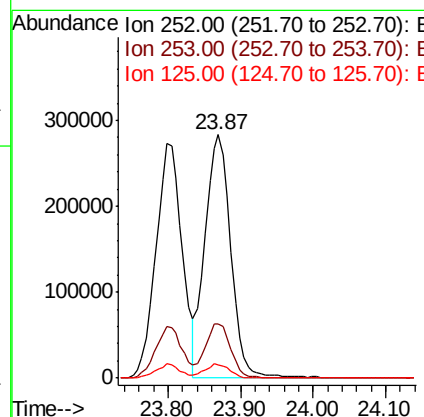
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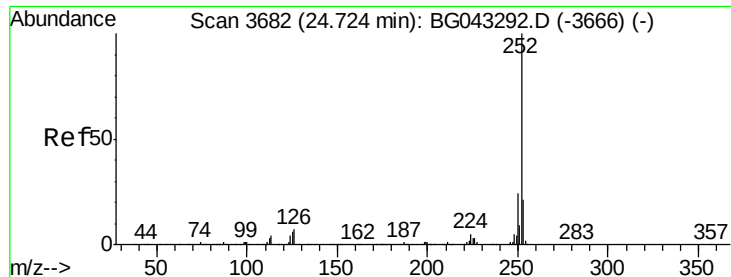
mohammad
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#89
Benzo(k)fluoranthene
Concen: 54.779 ng
RT: 23.87 min Scan# 3537
Delta R.T. -0.00 min
Lab File: BG043722.D
Acq: 20 Nov 2019 7:56

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.2	18.0	27.0
125	5.3	4.7	7.1





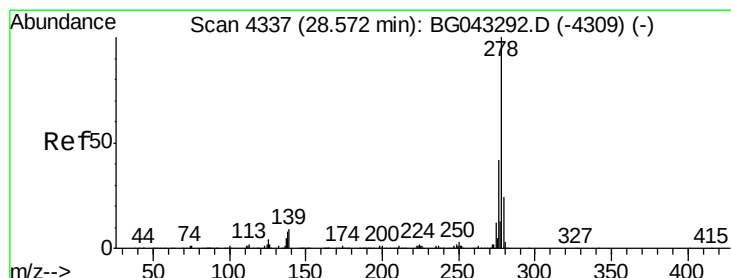
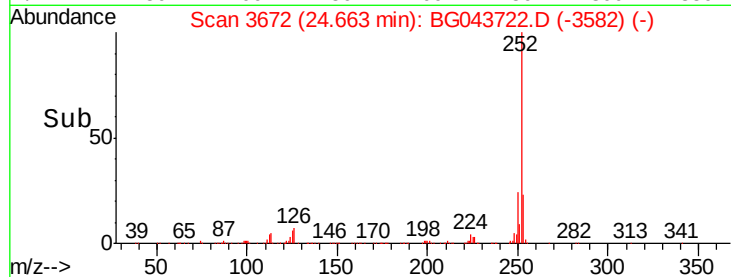
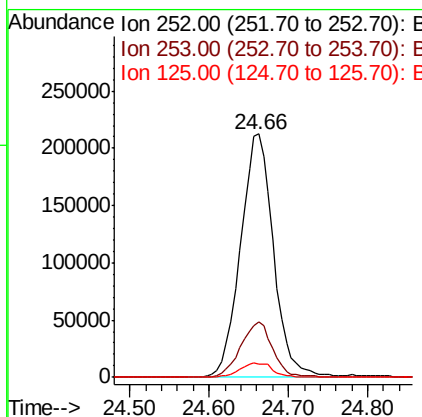
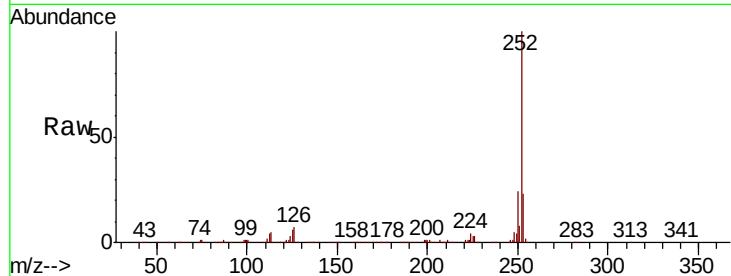
#90
Benzo(a)pyrene
Concen: 50.860 ng
RT: 24.66 min Scan# 3672
Delta R.T. -0.00 min
Lab File: BG043722.D
Acq: 20 Nov 2019 7:56

Instrument :
BNA_G
ClientSampleId :
HR-05-111419MSD

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.9	26.9
125	5.5	5.0	7.6

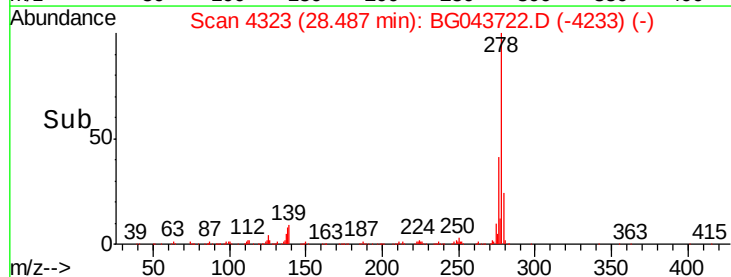
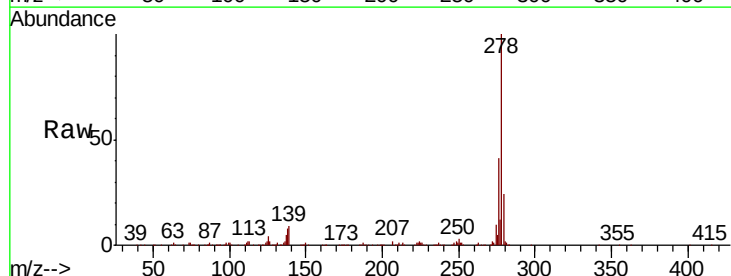
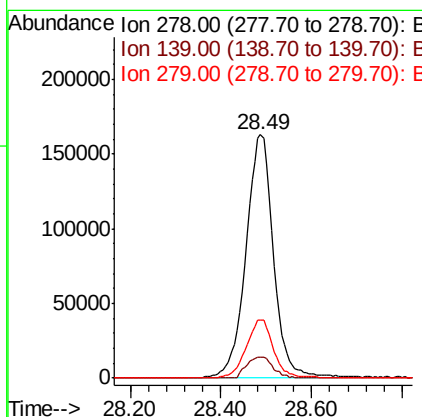
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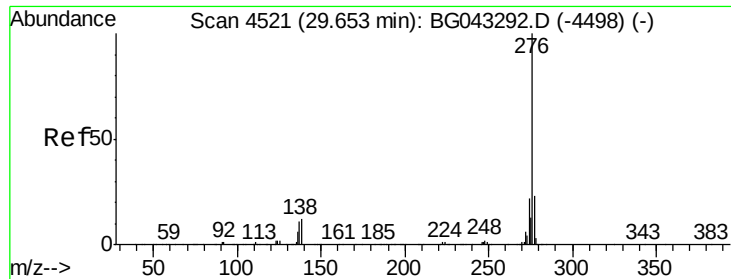
mohammad
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#91
Dibenzo(a,h)anthracene
Concen: 55.467 ng
RT: 28.49 min Scan# 4323
Delta R.T. -0.00 min
Lab File: BG043722.D
Acq: 20 Nov 2019 7:56

Tgt Ion	Ratio	Lower	Upper
278	100		
139	8.7	7.2	10.8
279	24.0	19.0	28.4





#92
 Benzo(a,h,i)perylene
 Concen: 53.738 ng
 RT: 29.56 min Scan# 4506
 Delta R.T. -0.01 min
 Lab File: BG043722.D
 Acq: 20 Nov 2019 7:56

Instrument :
 BNA_G
 ClientSampleId :
 HR-05-111419MSD

Tot Ion:	276	Resp:	654228
Ion Ratio	Lower	Upper	
276	100		
277	22.2	19.8	29.6
138	11.9	9.7	14.5

Manual Integrations
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 11/21/2019 9:04:26 AM

