

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG103119\
 Data File : BG043441.D
 Acq On : 31 Oct 2019 19:41
 Operator : JU
 Sample : K5587-15MSD
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 CSA-2-1-11MSD

Manual Integrations
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 11/1/2019 2:05:31 PM

Quant Time: Nov 01 05:17:02 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG102119.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 21 16:37:43 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.03	152	42630	20.00	ng	0.00
21) Naphthalene-d8	10.83	136	161544	20.00	ng	0.00
39) Acenaphthene-d10	14.65	164	111981	20.00	ng	0.00
64) Phenanthrene-d10	17.40	188	267411	20.00	ng	0.00
76) Chrysene-d12	21.66	240	279179	20.00	ng	0.00
87) Perylene-d12	24.86	264	336274	20.00	ng	-0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	343412	147.62	ng	0.00
7) Phenol-d6	7.22	99	476586	142.39	ng	0.01
23) Nitrobenzene-d5	9.18	82	287472	91.74	ng	0.00
42) 2,4,6-Tribromophenol	16.14	330	284771	133.63	ng	0.00
45) 2-Fluorobiphenyl	13.27	172	706847	87.22	ng	0.00
79) Terphenyl-d14	20.01	244	1287235	86.50	ng	0.00

Target Compounds					Qvalue	
2) 1,4-Dioxane	3.49	88	36799	40.591	ng	# 92
3) Pyridine	3.89	79	89951	39.333	ng	99
4) n-Nitrosodimethylamine	3.81	42	55744	48.306	ng	# 93
6) Aniline	7.36	93	133014	34.497	ng	95
8) 2-Chlorophenol	7.60	128	124523	48.489	ng	97
9) Benzaldehyde	7.16	77	66329	40.323	ng	89
10) Phenol	7.24	94	164795	53.879	ng	98
11) bis(2-Chloroethyl)ether	7.44	93	101597	42.963	ng	97
12) 1,3-Dichlorobenzene	7.91	146	138217	42.957	ng	95
13) 1,4-Dichlorobenzene	8.06	146	143359	44.037	ng	99
14) 1,2-Dichlorobenzene	8.38	146	134590	42.343	ng	100
15) Benzyl Alcohol	8.27	79	110615	47.056	ng	98
16) 2,2'-oxybis(1-Chloropropan	8.55	45	139280	40.506	ng	97
17) 2-Methylphenol	8.48	107	107432	48.182	ng	94
18) Hexachloroethane	9.11	117	50420	42.928	ng	97
19) n-Nitroso-di-n-propylamine	8.83	70	91142	42.140	ng	99
20) 3+4-Methylphenols	8.81	107	144236	47.175	ng	87
22) Acetophenone	8.84	105	180487	43.628	ng	# 98
24) Nitrobenzene	9.23	77	137062	45.917	ng	96
25) Isophorone	9.75	82	258050	45.044	ng	97
26) 2-Nitrophenol	9.94	139	71881	49.880	ng	93
27) 2,4-Dimethylphenol	10.01	122	114634	55.500	ng	99
28) bis(2-Chloroethoxy)methane	10.23	93	141393	44.719	ng	98
29) 2,4-Dichlorophenol	10.49	162	133739	50.535	ng	90
30) 1,2,4-Trichlorobenzene	10.69	180	151195	45.329	ng	98
31) Naphthalene	10.88	128	386765	47.167	ng	99
32) Benzoic acid	10.18	122	59640	39.736	ng	91
33) 4-Chloroaniline	11.00	127	70622	21.011	ng	93
34) Hexachlorobutadiene	11.16	225	109421	44.378	ng	94
35) Caprolactam	11.77	113	39704m	43.562	ng	
36) 4-Chloro-3-methylphenol	12.13	107	138128	47.850	ng	98
37) 2-Methylnaphthalene	12.48	142	292599	46.506	ng	96
38) 1-Methylnaphthalene	12.70	142	273924	45.758	ng	98
40) 1,2,4,5-Tetrachlorobenzene	12.85	216	190027	45.853	ng	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	12.83	237	217178	99.760	nq	96
43) 2,4,6-Trichlorophenol	13.09	196	120396	49.331	nq	97
44) 2,4,5-Trichlorophenol	13.17	196	126574	51.299	nq	98
46) 1,1'-Biphenyl	13.48	154	389124	45.678	nq	98
47) 2-Chloronaphthalene	13.53	162	300232	46.319	nq	98
48) 2-Nitroaniline	13.73	65	88267	45.563	nq	98
49) Acenaphthylene	14.37	152	488469	48.421	nq	99
50) Dimethylphthalate	14.11	163	498832	57.511	nq	100
51) 2,6-Dinitrotoluene	14.23	165	89572	47.535	nq	92
52) Acenaphthene	14.71	154	286692	46.602	nq	98
53) 3-Nitroaniline	14.56	138	49144	27.013	nq	89
54) 2,4-Dinitrophenol	14.77	184	92237	78.534	nq	100
55) Dibenzofuran	15.05	168	469195	47.030	nq	100
56) 4-Nitrophenol	14.89	139	129289	106.047	nq	93
57) 2,4-Dinitrotoluene	15.01	165	126342	46.916	nq	99
58) Fluorene	15.70	166	392841	46.949	nq	100
59) 2,3,4,6-Tetrachlorophenol	15.28	232	126558	48.277	nq	# 98
60) Diethylphthalate	15.46	149	387508	44.463	nq	99
61) 4-Chlorophenyl-phenylether	15.69	204	225594	46.216	nq	99
62) 4-Nitroaniline	15.72	138	78799	41.939	nq	99
63) Azobenzene	15.98	77	324843	46.055	nq	97
65) 4,6-Dinitro-2-methylphenol	15.78	198	75347	47.878	nq	92
66) n-Nitrosodiphenylamine	15.91	169	345629	45.780	nq	99
67) 4-Bromophenyl-phenylether	16.58	248	159313	44.269	nq	97
68) Hexachlorobenzene	16.70	284	177017	42.852	nq	96
69) Atrazine	16.85	200	147197	56.110	nq	95
70) Pentachlorophenol	17.05	266	192644	102.345	nq	95
71) Phenanthrene	17.44	178	620616	45.322	nq	99
72) Anthracene	17.53	178	642120	46.868	nq	100
73) Carbazole	17.80	167	565181	45.554	nq	100
74) Di-n-butylphthalate	18.35	149	667148	44.317	nq	99
75) Fluoranthene	19.45	202	830701	46.533	nq	99
77) Benzidine	19.63	184	397034	70.665	nq	98
78) Pyrene	19.81	202	832786	48.191	nq	99
80) Butylbenzylphthalate	20.69	149	302975	46.277	nq	98
81) Benzo(a)anthracene	21.65	228	855421	48.916	nq	99
82) 3,3'-Dichlorobenzidine	21.56	252	210845	31.172	nq	98
83) Chrysene	21.71	228	838150	48.238	nq	99
84) Bis(2-ethylhexyl)phthalate	21.55	149	443921	47.733	nq	99
85) Di-n-octyl phthalate	22.74	149	763015	48.358	nq	99
86) Indeno(1,2,3-cd)pyrene	28.51	276	1093960	50.158	nq	100
88) Benzo(b)fluoranthene	23.85	252	932473	48.960	nq	99
89) Benzo(k)fluoranthene	23.91	252	904009	47.150	nq	99
90) Benzo(a)pyrene	24.71	252	843804	46.396	nq	97
91) Dibenzo(a,h)anthracene	28.57	278	920261	49.469	nq	100
92) Benzo(g,h,i)perylene	29.65	276	918668	50.064	nq	99

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.03 min Scan# 840

Delta R.T. 0.00 min

Lab File: BG043441.D

Acq: 31 Oct 2019 19:41

Instrument :

BNA_G

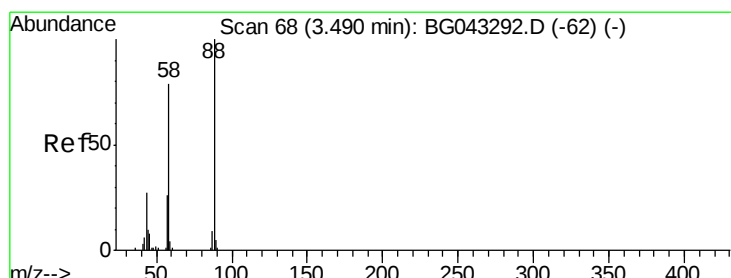
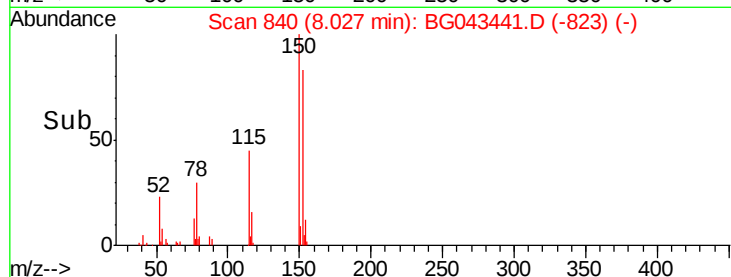
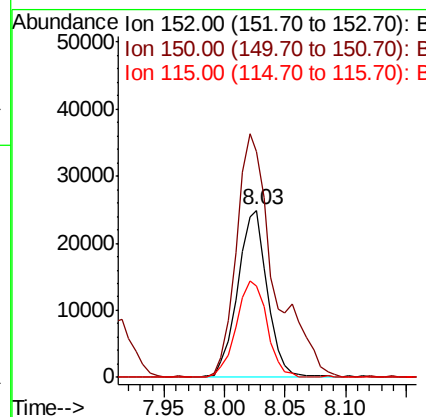
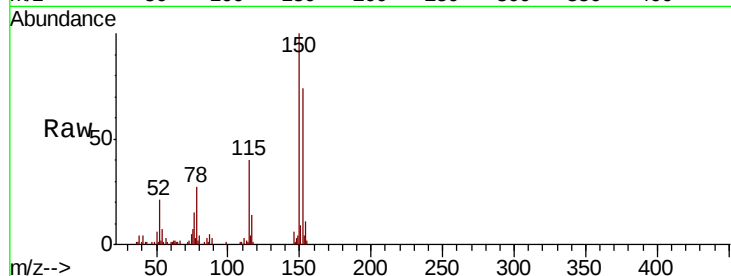
ClientSampleId :

CSA-2-1-11MSD

Tot Ion:	152	Resp:	42630
Ion	Ratio	Lower	Upper
152	100		
150	135.6	113.6	170.4
115	54.4	45.9	68.9

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#2

1,4-Dioxane

Concen: 40.591 ng

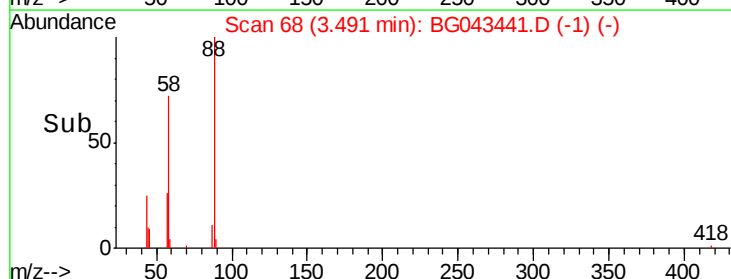
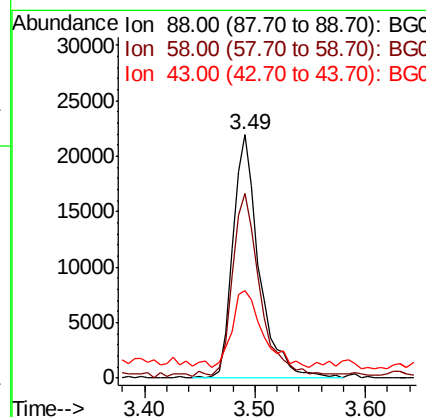
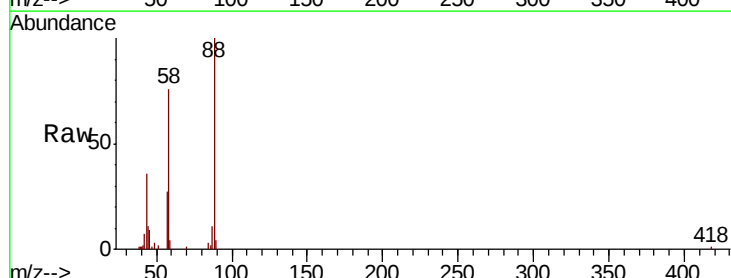
RT: 3.49 min Scan# 68

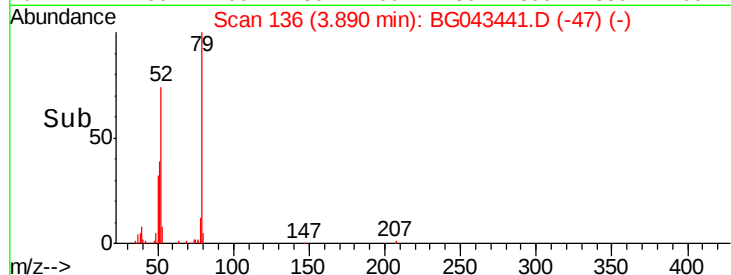
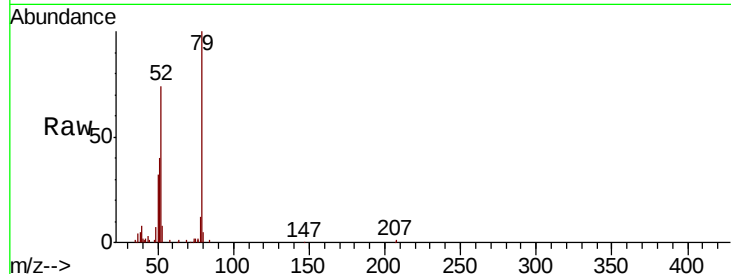
Delta R.T. 0.00 min

Lab File: BG043441.D

Acq: 31 Oct 2019 19:41

Tgt Ion:	88	Resp:	36799
Ion	Ratio	Lower	Upper
88	100		
58	79.1	60.2	90.2
43	36.5	22.7	34.1#





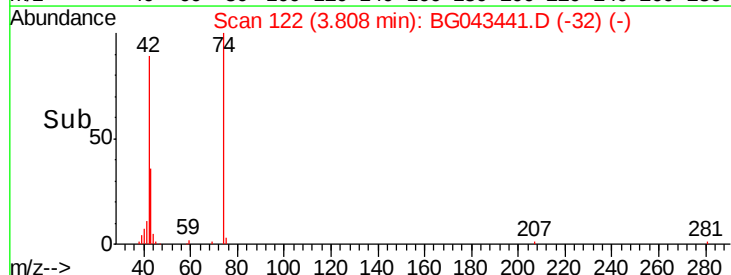
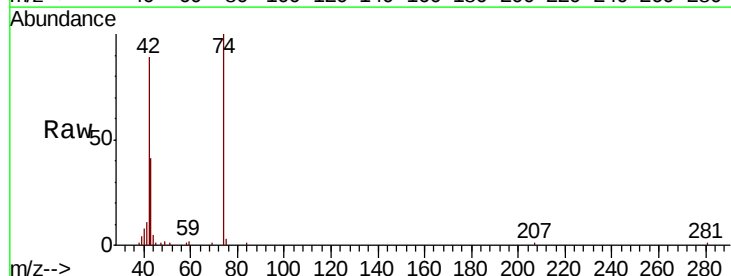
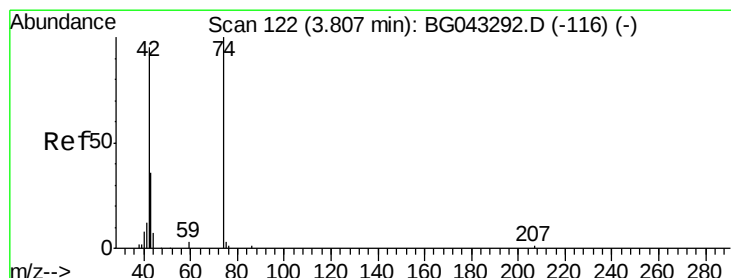
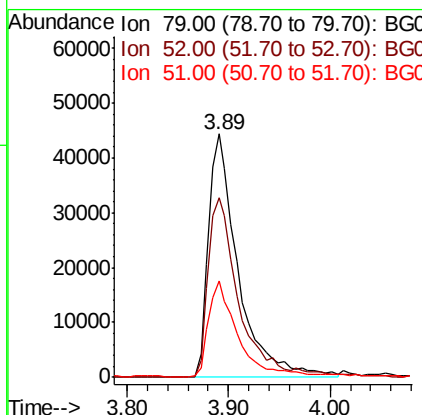
#3
 Pvridine
 Concen: 39.333 ng
 RT: 3.89 min Scan# 136
 Delta R.T. -0.00 min
 Lab File: BG043441.D
 Acq: 31 Oct 2019 19:41

Tot Ion:	79	Resp:	89951
Ion Ratio	Lower	Upper	
79	100		
52	74.0	59.7	89.5
51	39.6	31.8	47.6

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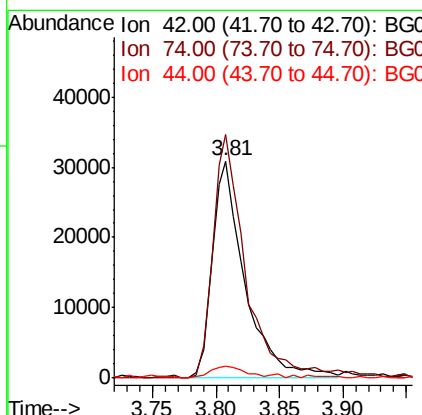
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#4
 n-Nitrosodimethylamine
 Concen: 48.306 ng
 RT: 3.81 min Scan# 122
 Delta R.T. 0.00 min
 Lab File: BG043441.D
 Acq: 31 Oct 2019 19:41

Tgt Ion:	42	Resp:	55744
Ion Ratio	Lower	Upper	
42	100		
74	112.1	84.2	126.2
44	5.3	6.0	9.0#





#5

2-Fluorophenol

Concen: 147.615 ng

RT: 5.61 min Scan# 429

Delta R.T. 0.01 min

Lab File: BG043441.D

Acq: 31 Oct 2019 19:41

Instrument :

BNA_G

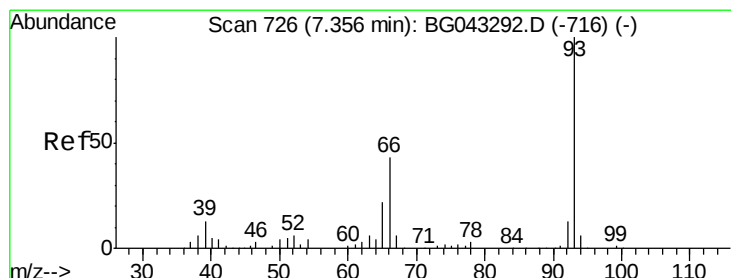
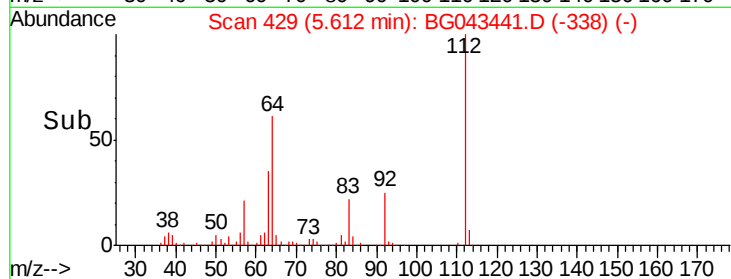
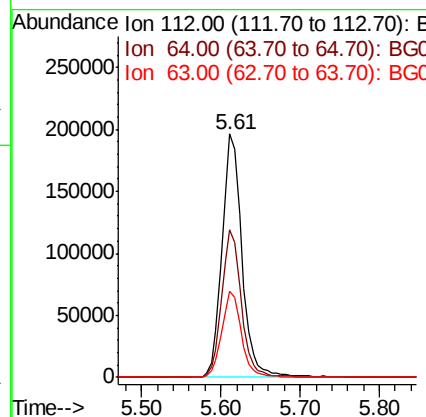
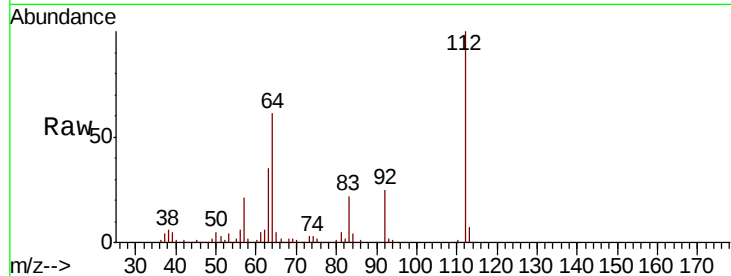
ClientSampled :

CSA-2-1-11MSD

Tot Ion:	112	Resp:	343412
Ion Ratio	Lower	Upper	
112	100		
64	60.5	50.2	75.2
63	35.5	26.7	40.1

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#6

Aniline

Concen: 34.497 ng

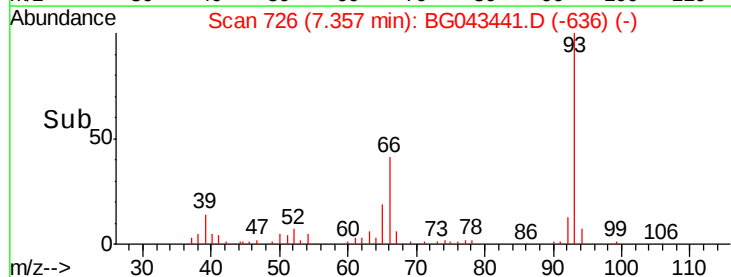
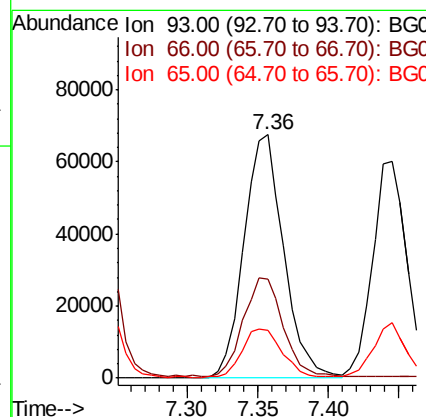
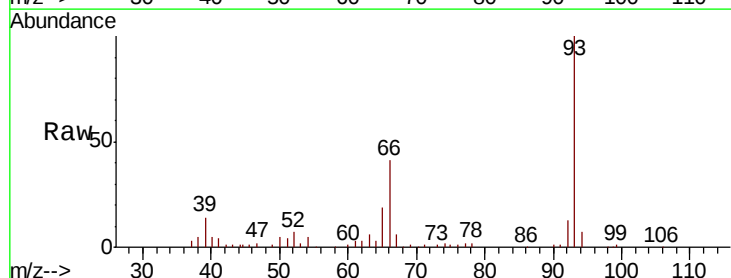
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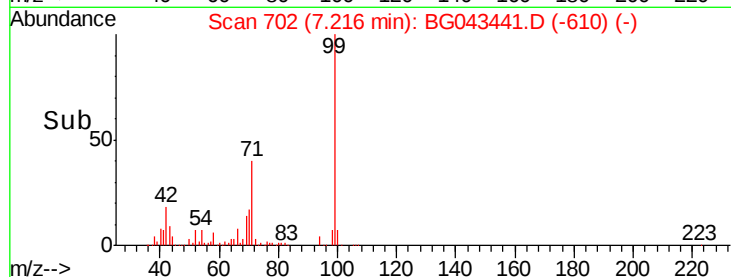
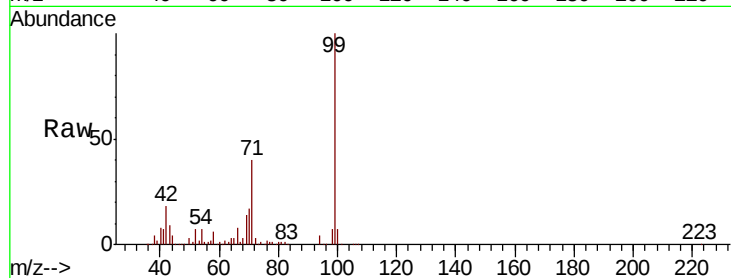
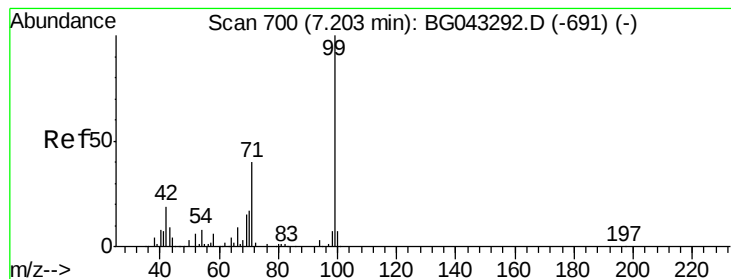
Delta R.T. 0.00 min

Lab File: BG043441.D

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Tgt Ion:	93	Resp:	133014
Ion Ratio	Lower	Upper	
93	100		
66	40.6	34.5	51.7
65	19.4	18.0	27.0





#7

Phenol-d6

Concen: 142.386 ng

RT: 7.22 min Scan# 702

Delta R.T. 0.01 min

Lab File: BG043441.D

Acq: 31 Oct 2019 19:41

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		476586		
42	18.3	14.9	22.3		
71	40.0	32.2	48.2		

Instrument :

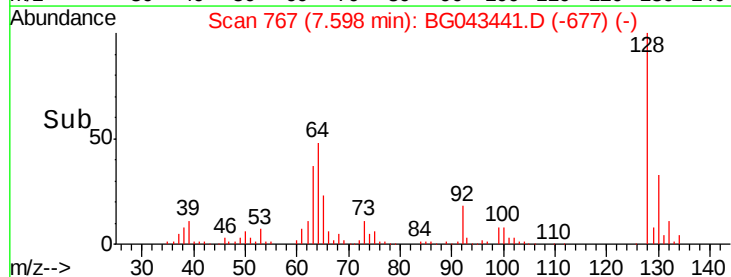
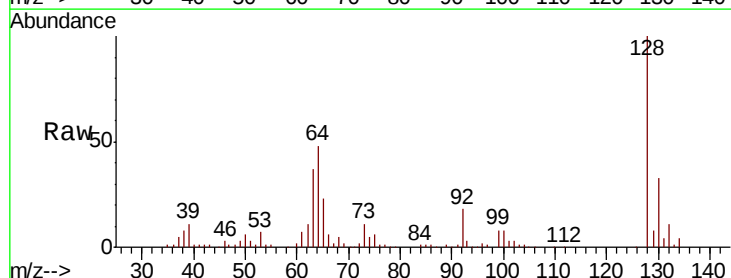
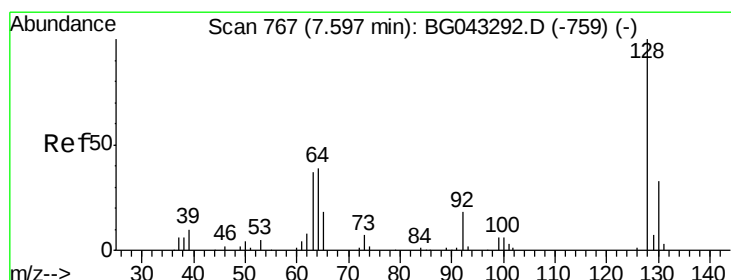
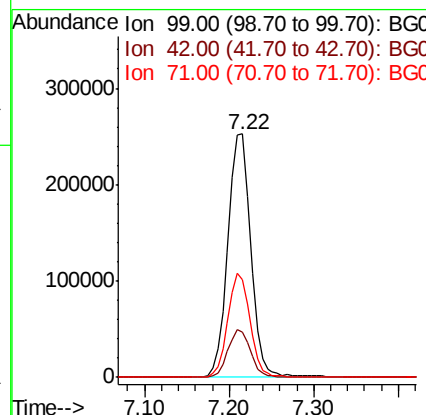
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#8

2-Chlorophenol

Concen: 48.489 ng

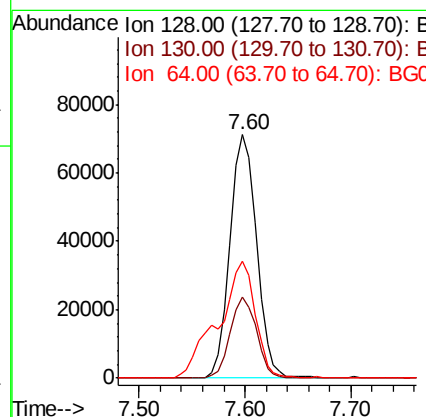
RT: 7.60 min Scan# 767

Delta R.T. 0.00 min

Lab File: BG043441.D

Acq: 31 Oct 2019 19:41

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
128	100		124523		
130	33.0	12.9	52.9		
64	48.3	24.9	64.9		





#9

Benzaldehyde

Concen: 40.323 ng

RT: 7.16 min Scan# 693

Delta R.T. -0.00 min

Lab File: BG043441.D

Acq: 31 Oct 2019 19:41

Instrument :

BNA_G

ClientSampleId :

CSA-2-1-11MSD

Tot Ion: 77 Resp: 66329

Ion Ratio Lower Upper

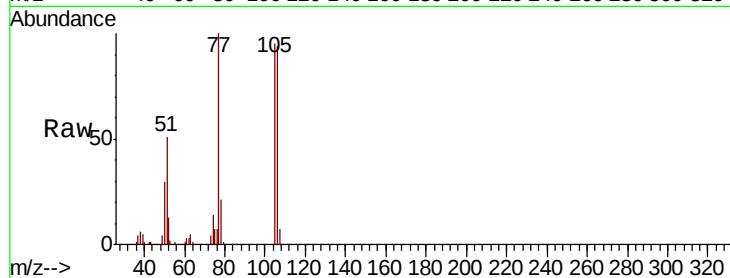
77 100

105 95.1 68.7 108.7

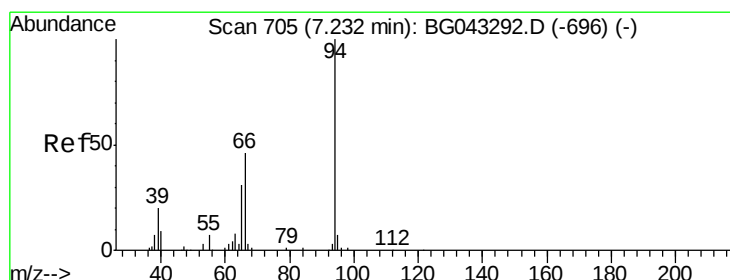
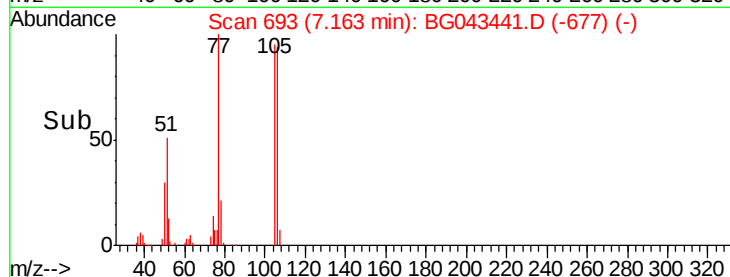
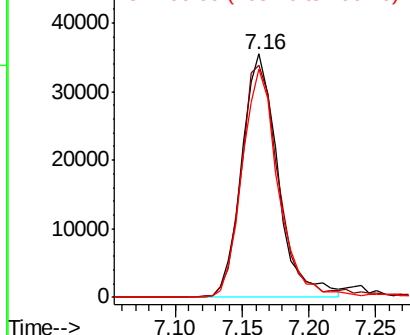
106 93.7 60.5 100.5

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Abundance Ion 77.00 (76.70 to 77.70): BGC
Ion 105.00 (104.70 to 105.70): BGC
Ion 106.00 (105.70 to 106.70): BGC



#10

Phenol

Concen: 53.879 ng

RT: 7.24 min Scan# 706

Delta R.T. 0.01 min

Lab File: BG043441.D

Acq: 31 Oct 2019 19:41

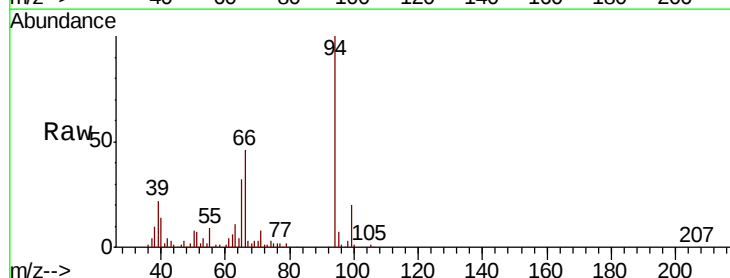
Tgt Ion: 94 Resp: 164795

Ion Ratio Lower Upper

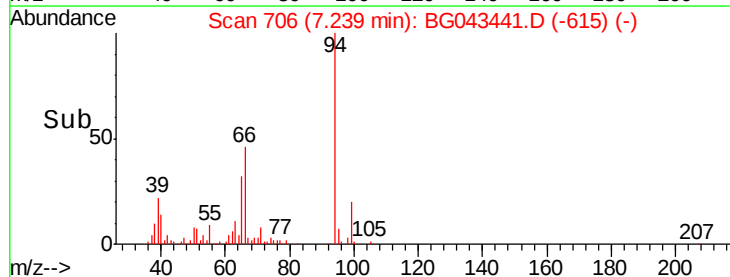
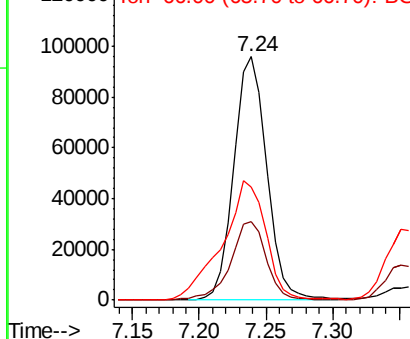
94 100

65 32.4 11.1 51.1

66 46.3 27.8 67.8



Abundance Ion 94.00 (93.70 to 94.70): BGC
Ion 65.00 (64.70 to 65.70): BGC
Ion 66.00 (65.70 to 66.70): BGC





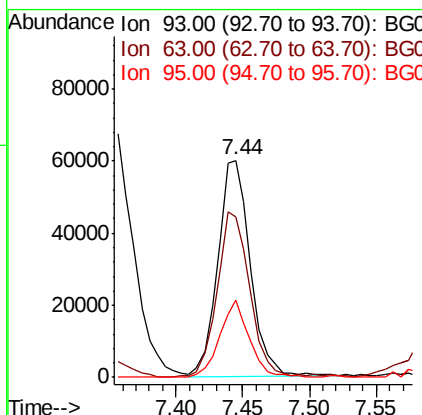
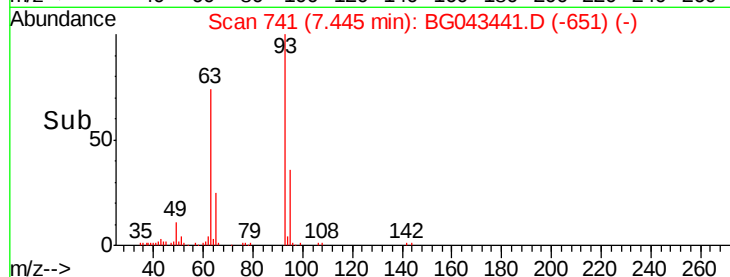
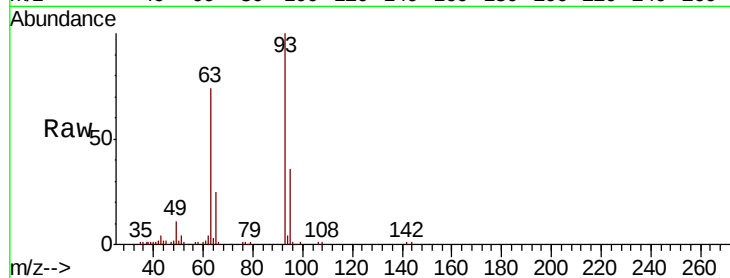
#11
bis(2-Chloroethyl)ether
Concen: 42.963 ng
RT: 7.44 min Scan# 741
Delta R.T. 0.00 min
Lab File: BG043441.D
Acq: 31 Oct 2019 19:41

Instrument :
BNA_G
ClientSampleId :
CSA-2-1-11MSD

Tot Ion	Ratio	Lower	Upper
93	100		
63	74.2	54.6	94.6
95	35.6	9.7	49.7

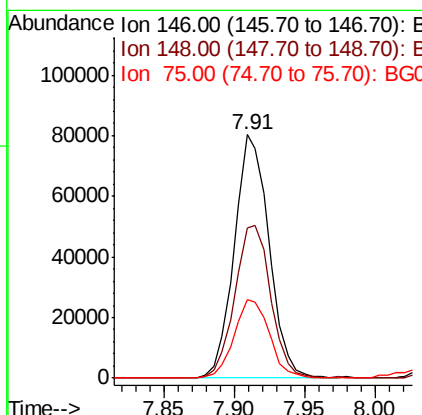
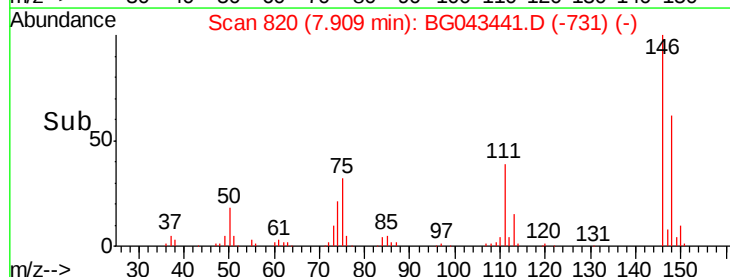
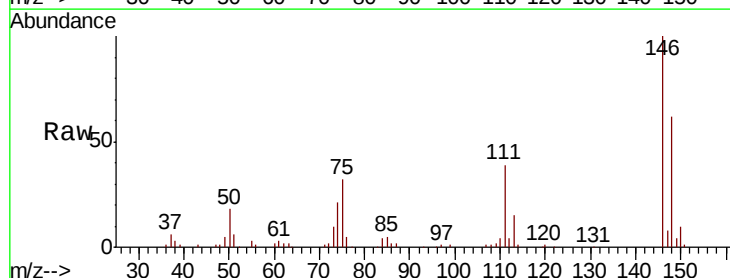
Manual Integrations
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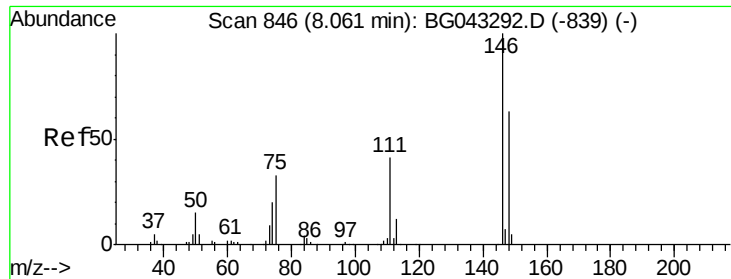
mohammad
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#12
1,3-Dichlorobenzene
Concen: 42.957 ng
RT: 7.91 min Scan# 820
Delta R.T. -0.00 min
Lab File: BG043441.D
Acq: 31 Oct 2019 19:41

Tgt Ion	Ratio	Lower	Upper
146	100		
148	61.9	53.4	80.2
75	32.1	27.0	40.4





#13

1,4-Dichlorobenzene

Concen: 44.037 ng

RT: 8.06 min Scan# 845

Delta R.T. -0.00 min

Lab File: BG043441.D

Acq: 31 Oct 2019 19:41

Instrument :

BNA_G

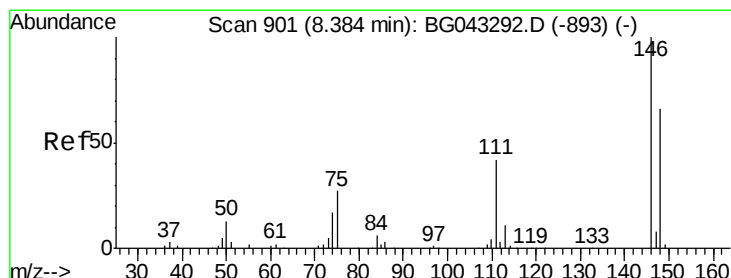
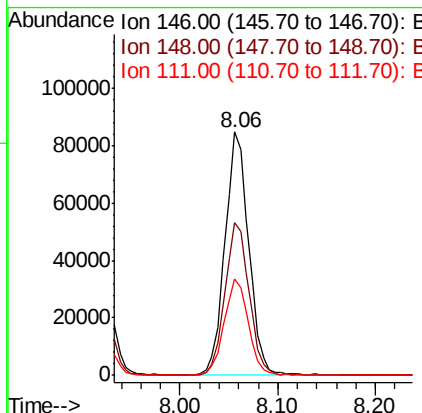
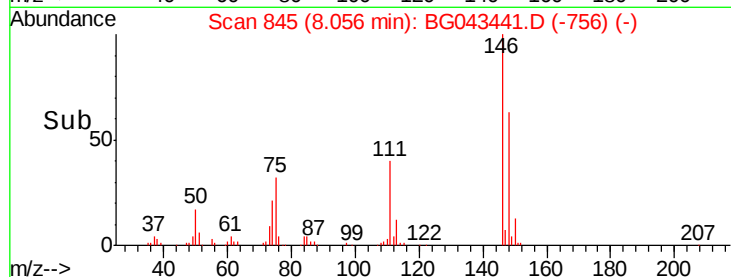
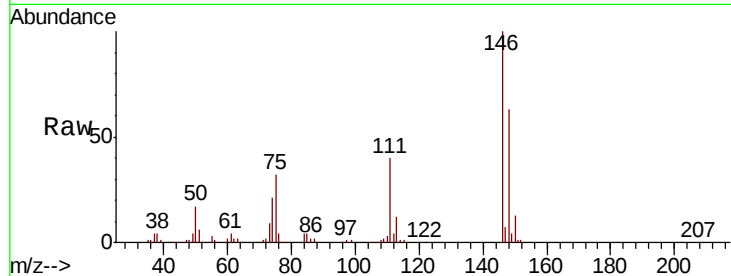
ClientSampleId :

CSA-2-1-11MSD

Tot Ion:	146	Resp:	143359
Ion Ratio	Lower	Upper	
146	100		
148	62.8	50.7	76.1
111	39.6	33.0	49.6

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#14

1,2-Dichlorobenzene

Concen: 42.343 ng

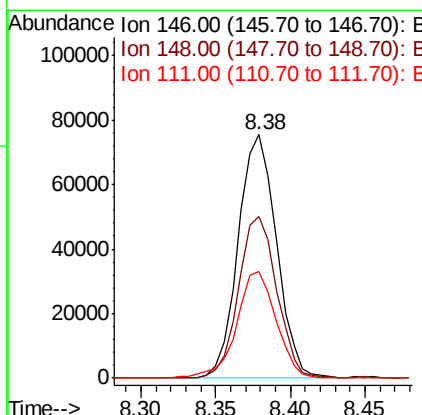
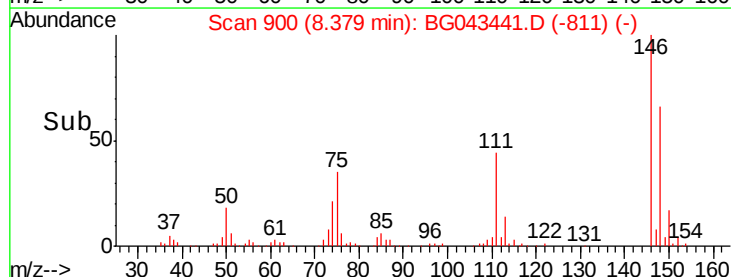
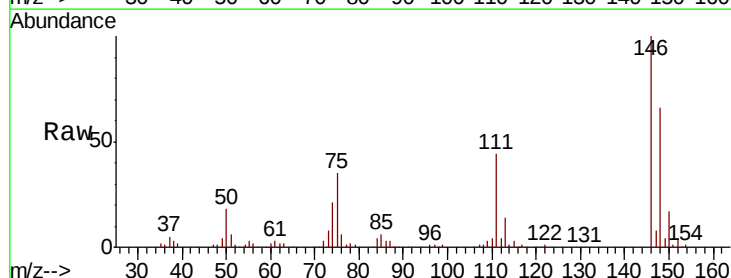
RT: 8.38 min Scan# 900

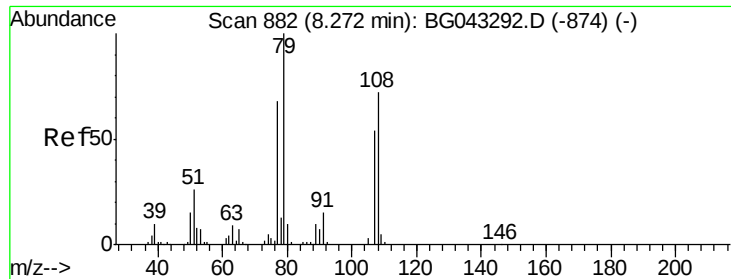
Delta R.T. -0.00 min

Lab File: BG043441.D

Acq: 31 Oct 2019 19:41

Tgt Ion:	146	Resp:	134590
Ion Ratio	Lower	Upper	
146	100		
148	66.3	53.0	79.4
111	43.7	34.5	51.7





#15

Benzyl Alcohol

Concen: 47.056 ng

RT: 8.27 min Scan# 881

Delta R.T. -0.00 min

Lab File: BG043441.D

Acq: 31 Oct 2019 19:41

Instrument :

BNA_G

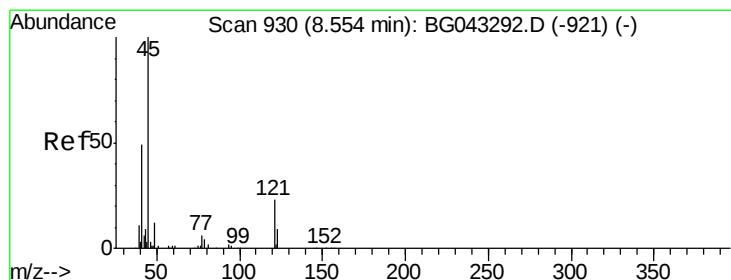
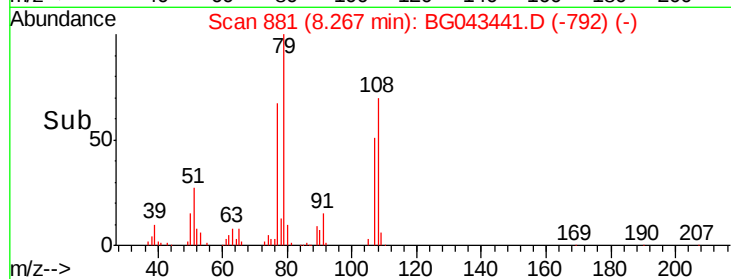
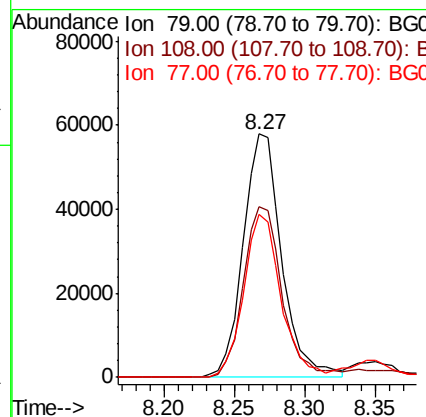
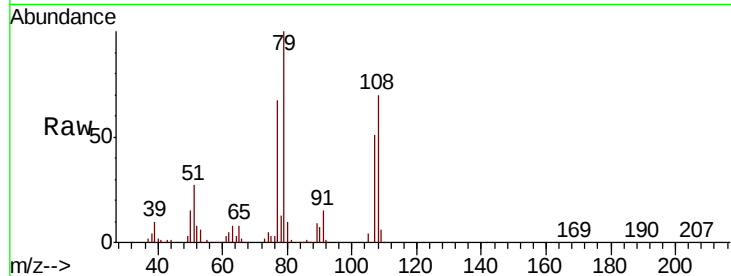
ClientSampleId :

CSA-2-1-11MSD

Tot Ion:	79	Resp:	110615
Ion Ratio	Lower	Upper	
79	100		
108	70.1	57.3	85.9
77	66.9	54.6	81.8

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#16

2,2'-oxybis(1-Chloropropane)

Concen: 40.506 ng

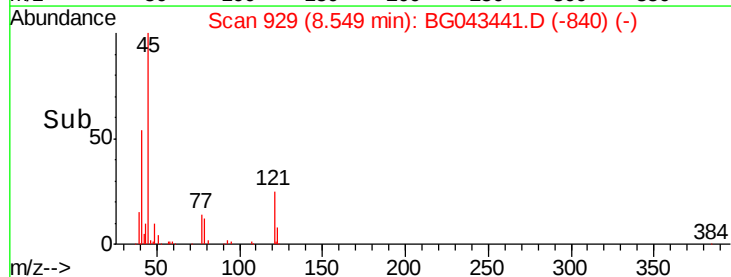
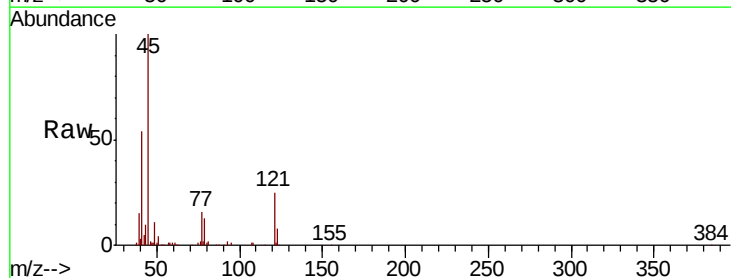
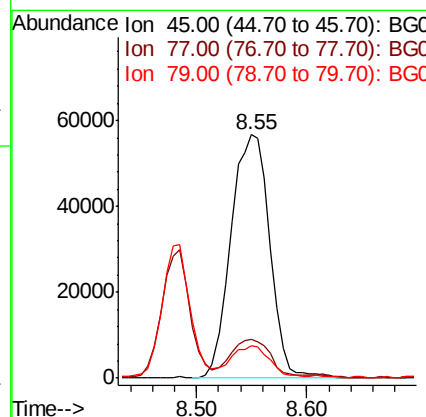
RT: 8.55 min Scan# 929

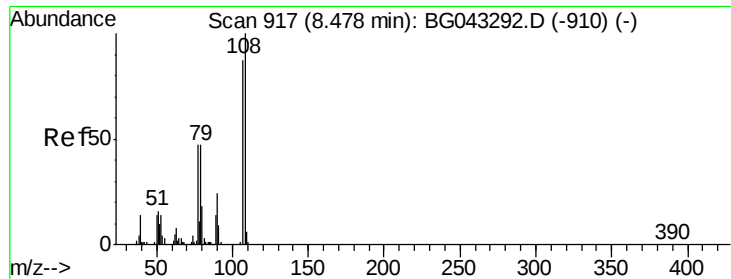
Delta R.T. -0.00 min

Lab File: BG043441.D

Acq: 31 Oct 2019 19:41

Tgt Ion:	45	Resp:	139280
Ion Ratio	Lower	Upper	
45	100		
77	15.7	0.0	34.2
79	13.5	0.0	32.3





#17

2-Methylphenol

Concen: 48.182 ng

RT: 8.48 min Scan# 917

Delta R.T. 0.00 min

Lab File: BG043441.D

Acq: 31 Oct 2019 19:41

Instrument :

BNA_G

ClientSampleId :

CSA-2-1-11MSD

Tot Ion:107 Resp: 107432

Ion Ratio Lower Upper

107 100

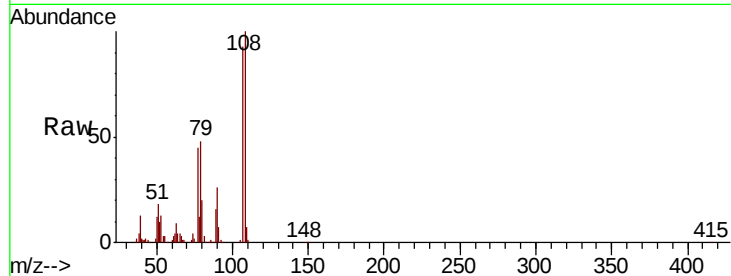
108 107.7 91.3 136.9

77 48.4 43.0 64.6

79 52.1 43.4 65.2

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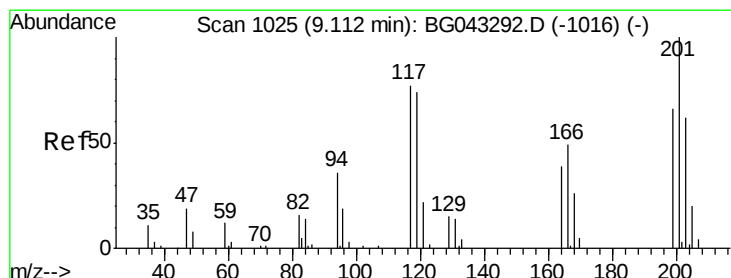
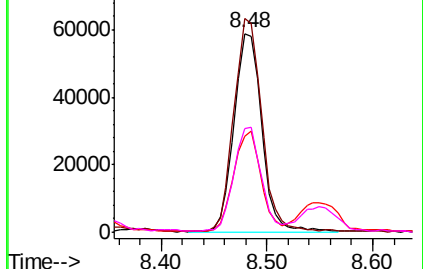
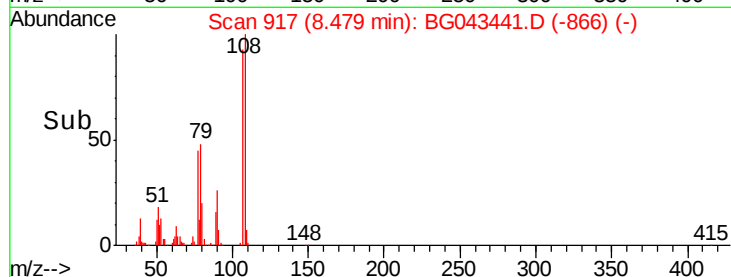
Abundance

Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BG

Ion 79.00 (78.70 to 79.70): BG



#18

Hexachloroethane

Concen: 42.928 ng

RT: 9.11 min Scan# 1024

Delta R.T. -0.00 min

Lab File: BG043441.D

Acq: 31 Oct 2019 19:41

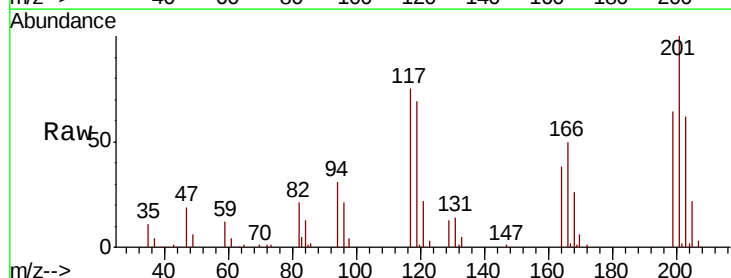
Tgt Ion:117 Resp: 50420

Ion Ratio Lower Upper

117 100

119 92.8 77.3 115.9

201 133.8 104.2 156.4

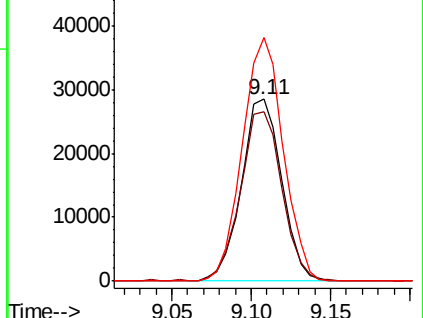
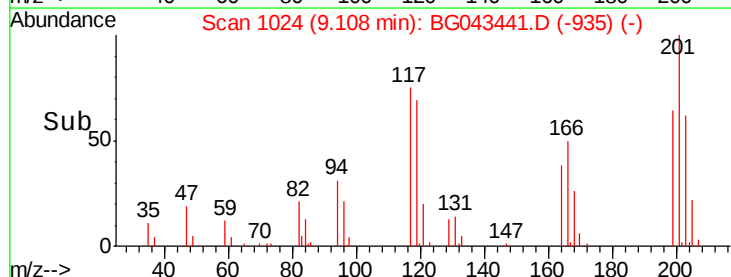


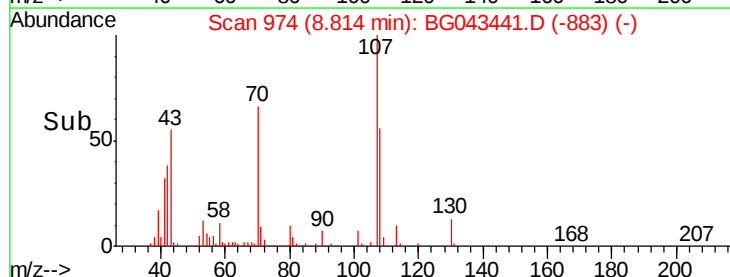
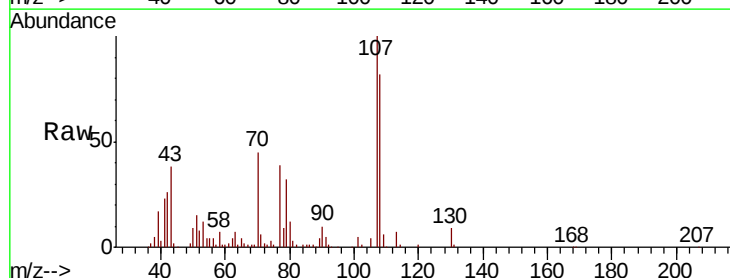
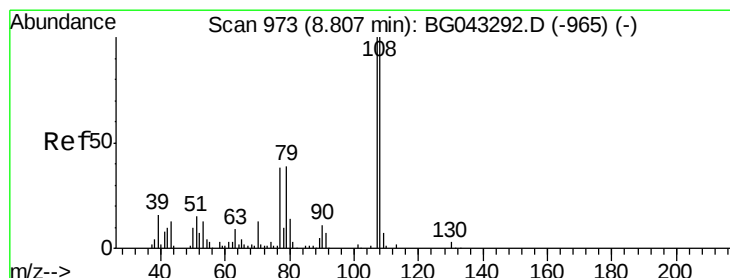
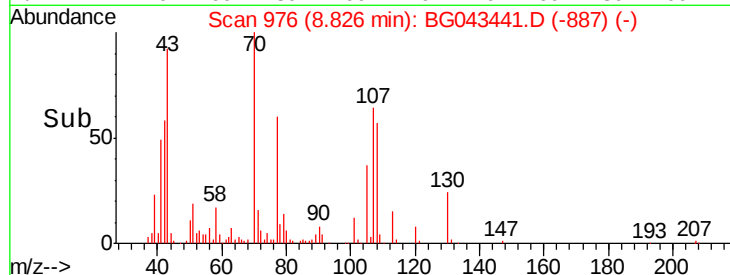
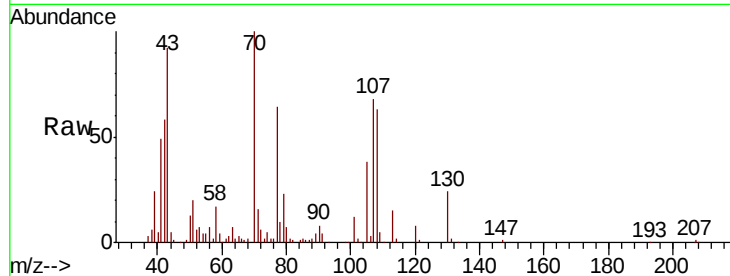
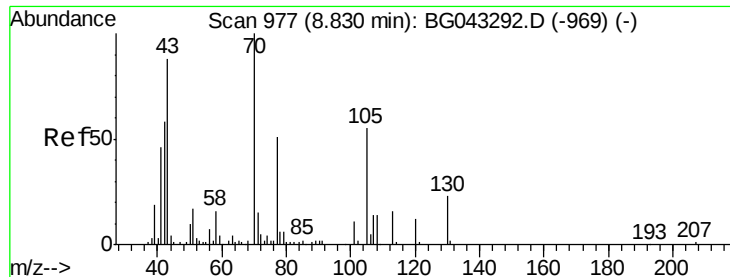
Abundance

Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

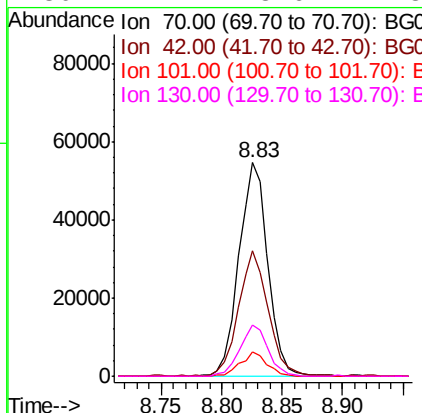
Ion 201.00 (200.70 to 201.70): E





#19
n-Nitroso-di-n-propylamine
Concen: 42.140 ng
RT: 8.83 min Scan# 976
Delta R.T. -0.00 min
Lab File: BG043441.D
Acq: 31 Oct 2019 19:41

Tot Ion	Ion	Ratio	Lower	Upper
70	100			
42	58.5	46.2	69.2	
101	11.6	8.6	13.0	
130	24.1	18.6	27.8	



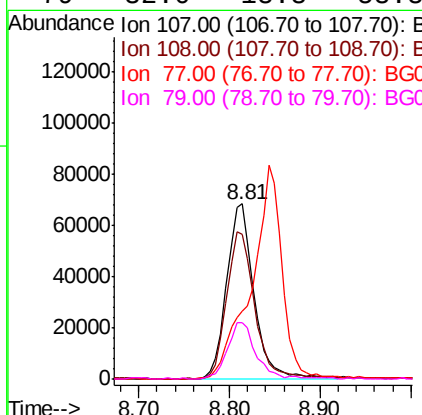
Instrument :
BNA_G
ClientSampleId :
CSA-2-1-11MSD

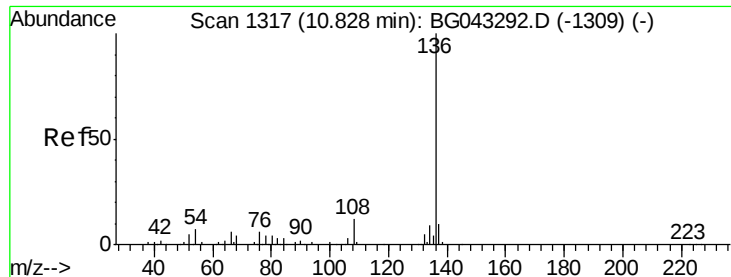
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#20
3+4-Methylphenols
Concen: 47.175 ng
RT: 8.81 min Scan# 974
Delta R.T. 0.01 min
Lab File: BG043441.D
Acq: 31 Oct 2019 19:41

Tgt Ion	Ion	Ratio	Lower	Upper
107	100			
108	82.5	80.3	120.3	
77	38.8	18.2	58.2	
79	32.0	18.8	58.8	





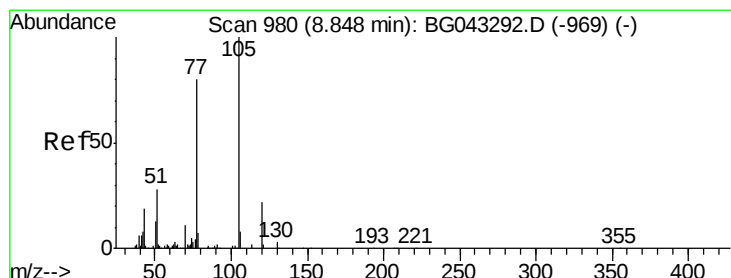
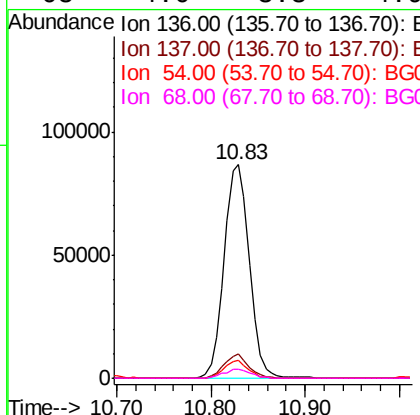
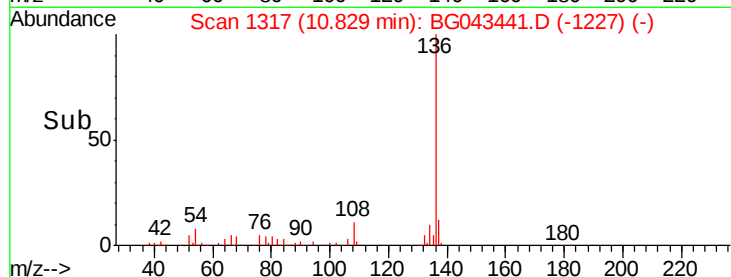
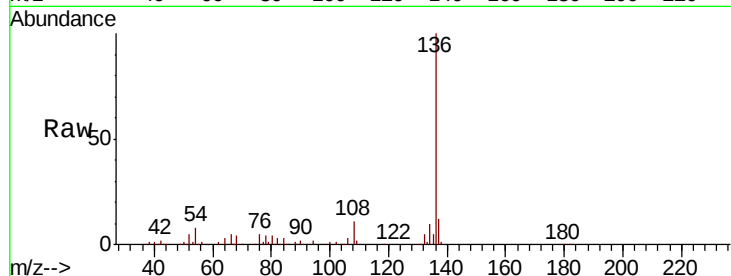
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.83 min Scan# 1317
Delta R.T. 0.00 min
Lab File: BG043441.D
Acq: 31 Oct 2019 19:41

Instrument :
BNA_G
ClientSampleId :
CSA-2-1-11MSD

Tot Ion	Ratio	Resp	Lower	Upper
136	100	161544		
137	11.6	8.2	12.2	
54	8.2	5.4	8.2	
68	4.0	3.3	4.9	

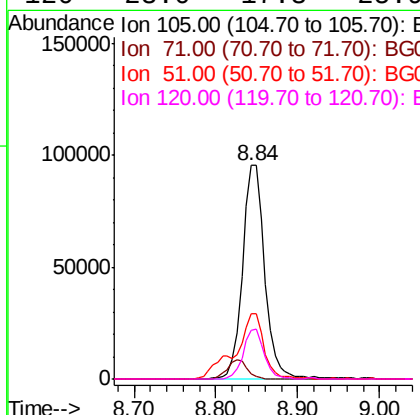
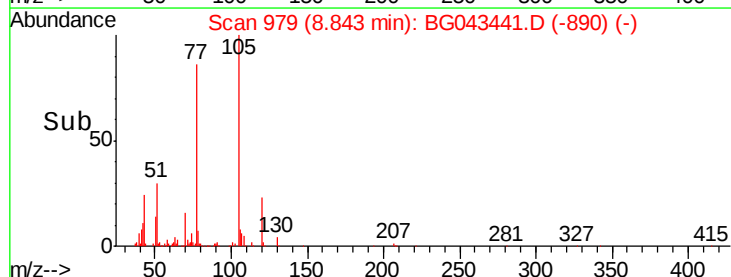
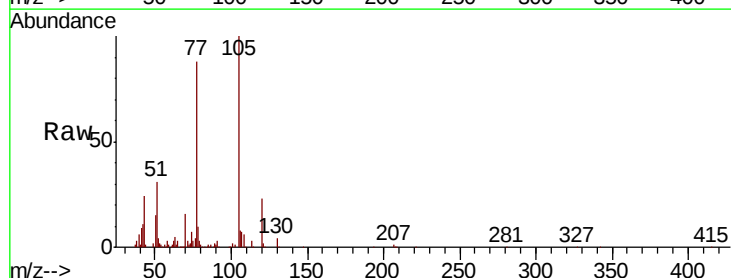
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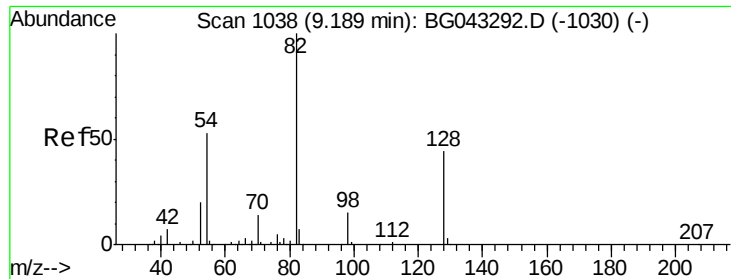
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#22
Acetophenone
Concen: 43.628 ng
RT: 8.84 min Scan# 979
Delta R.T. -0.00 min
Lab File: BG043441.D
Acq: 31 Oct 2019 19:41

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	180487		
71	2.6	1.5	2.3	
51	30.6	23.9	35.9	
120	23.0	17.3	25.9	





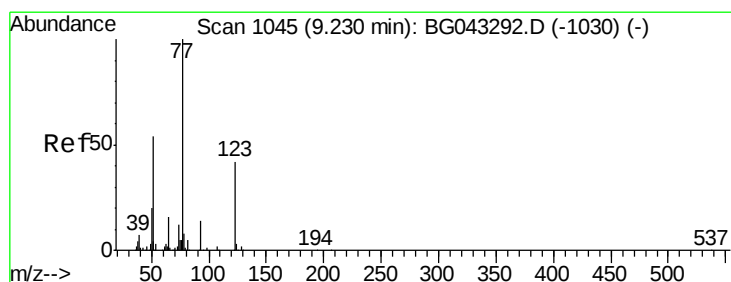
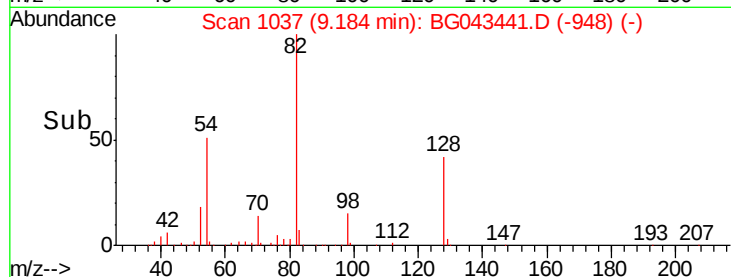
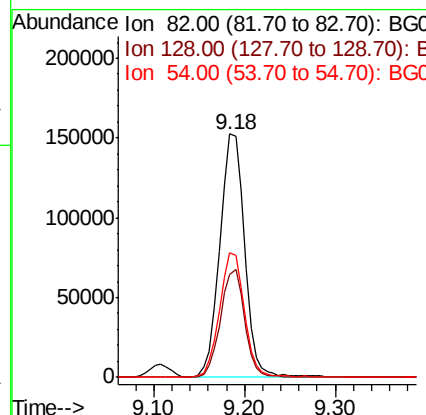
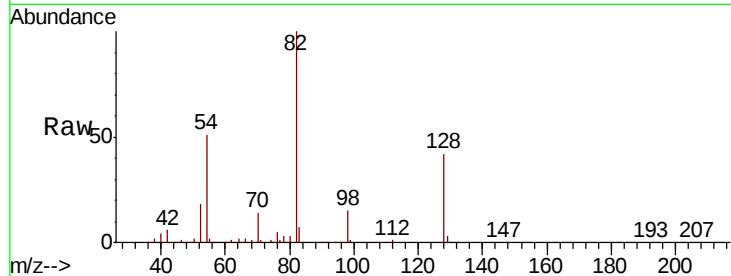
#23
Nitrobenzene-d5
Concen: 91.743 ng
RT: 9.18 min Scan# 1037
Delta R.T. -0.00 min
Lab File: BG043441.D
Acq: 31 Oct 2019 19:41

Instrument :
BNA_G
ClientSampleId :
CSA-2-1-11MSD

Tot Ion	Ratio	Lower	Upper
82	100		
128	42.3	35.3	52.9
54	50.9	42.3	63.5

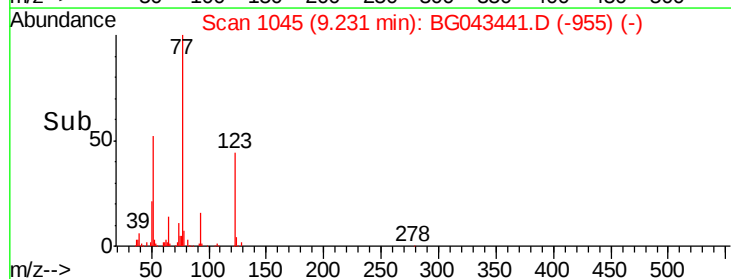
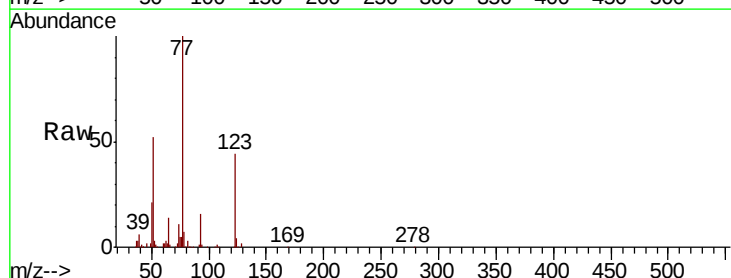
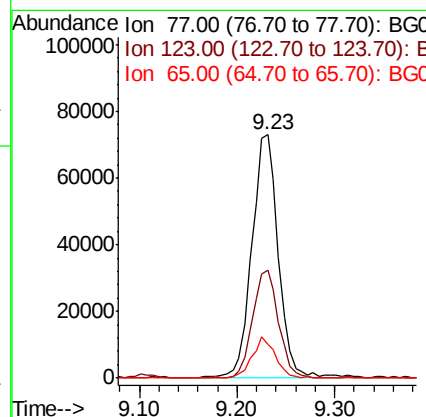
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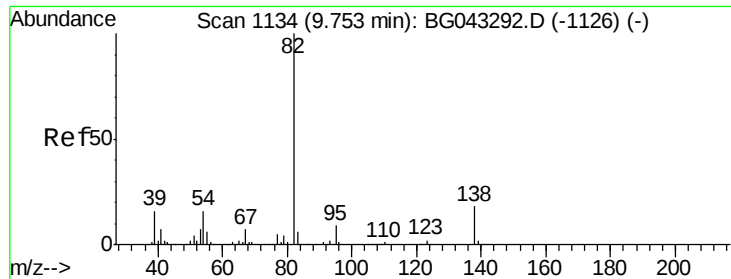
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#24
Nitrobenzene
Concen: 45.917 ng
RT: 9.23 min Scan# 1045
Delta R.T. 0.00 min
Lab File: BG043441.D
Acq: 31 Oct 2019 19:41

Tgt Ion	Ratio	Lower	Upper
77	100		
123	44.4	33.8	50.8
65	13.9	13.0	19.4





#25

Isophorone

Concen: 45.044 ng

RT: 9.75 min Scan# 1133

Delta R.T. -0.00 min

Lab File: BG043441.D

Acq: 31 Oct 2019 19:41

Instrument :

BNA_G

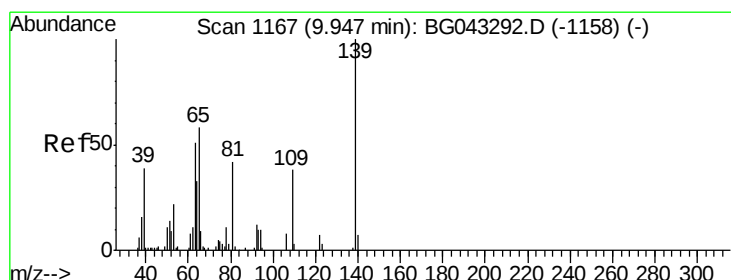
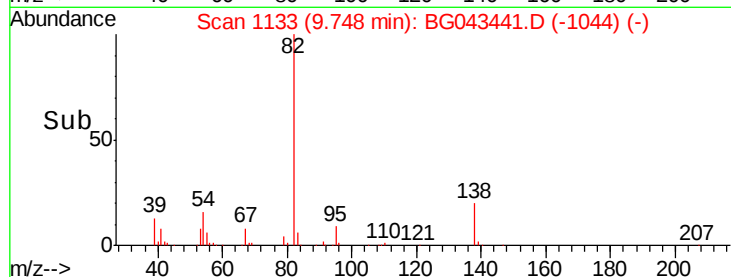
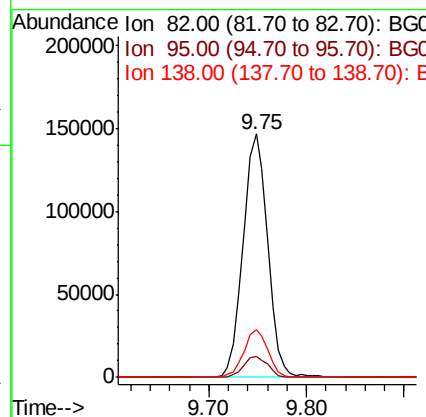
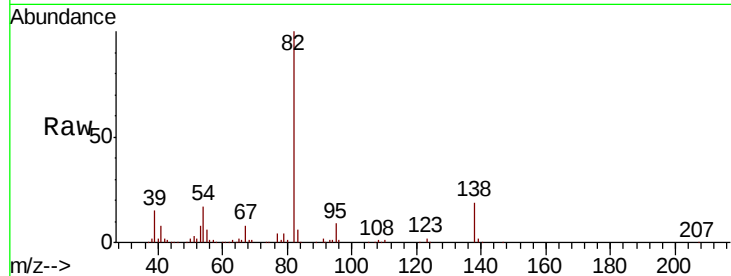
ClientSampleId :

CSA-2-1-11MSD

Tot Ion:	82	Resp:	258050
Ion Ratio	Lower	Upper	
82	100		
95	8.7	6.9	10.3
138	19.5	14.2	21.2

Manual Integrations
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#26

2-Nitrophenol

Concen: 49.880 ng

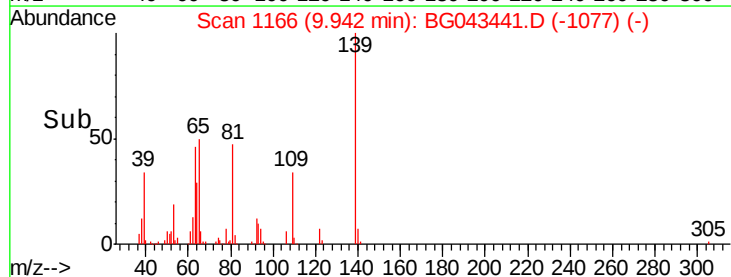
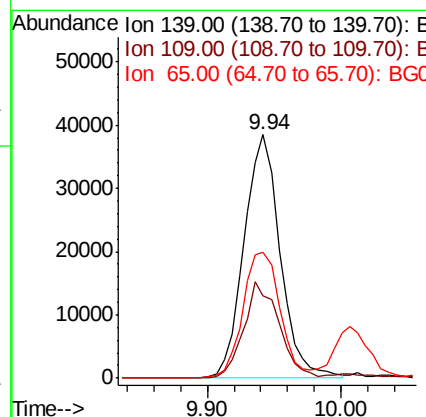
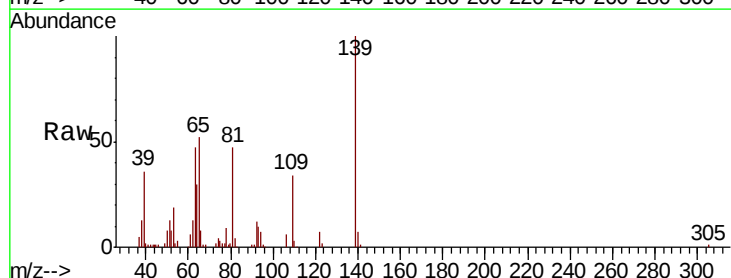
RT: 9.94 min Scan# 1166

Delta R.T. -0.00 min

Lab File: BG043441.D

Acq: 31 Oct 2019 19:41

Tgt Ion:	139	Resp:	71881
Ion Ratio	Lower	Upper	
139	100		
109	33.6	30.1	45.1
65	51.9	46.1	69.1





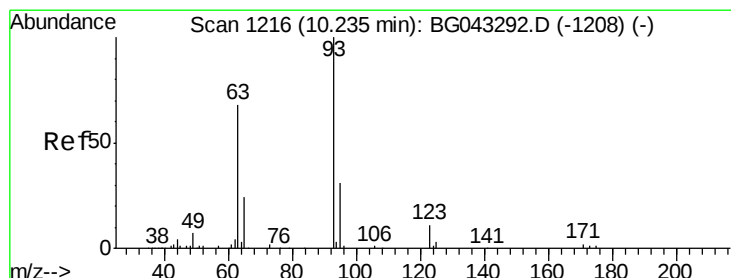
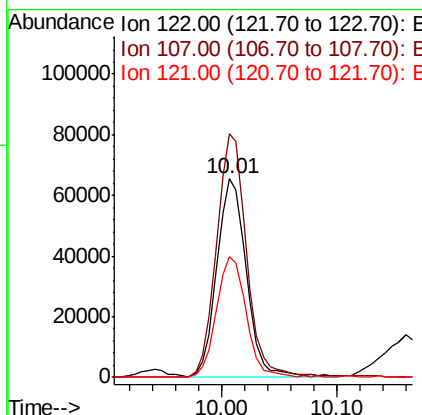
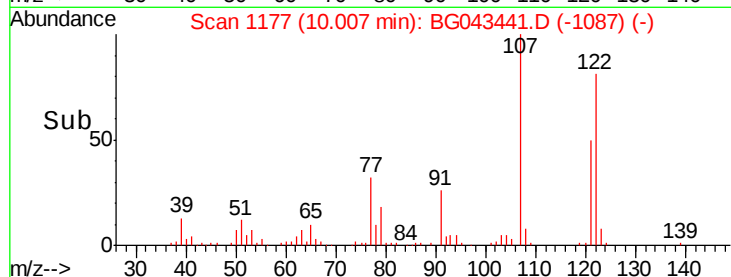
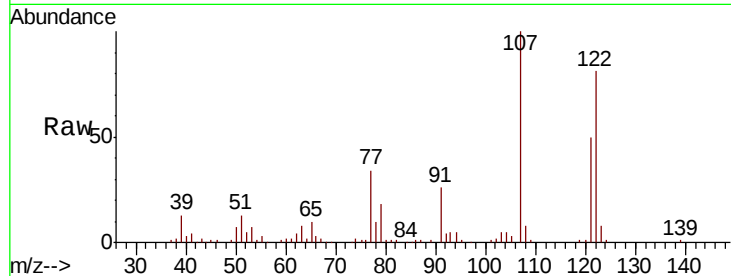
#27
 2,4-Dimethylphenol
 Concen: 55.500 ng
 RT: 10.01 min Scan# 1177
 Delta R.T. 0.00 min
 Lab File: BG043441.D
 Acq: 31 Oct 2019 19:41

Instrument :
 BNA_G
 ClientSampleId :
 CSA-2-1-11MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
122	100		114634		
107	122.8	98.6	147.8		
121	60.8	50.1	75.1		

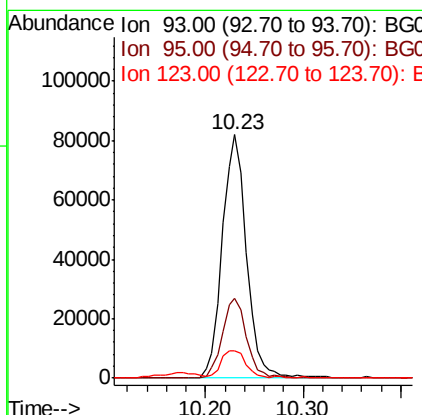
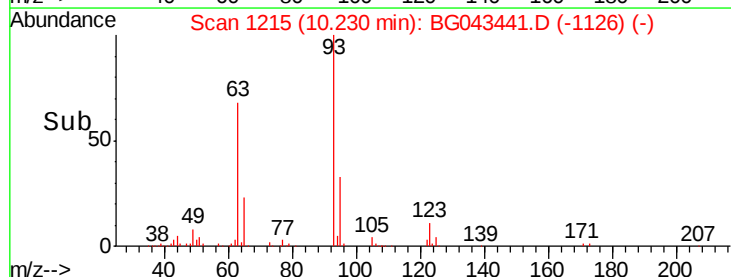
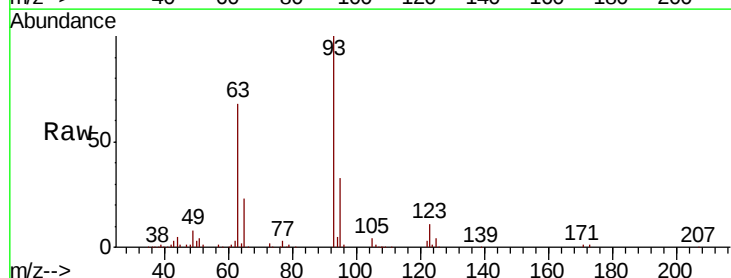
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#28
 bis(2-Chloroethoxy)methane
 Concen: 44.719 ng
 RT: 10.23 min Scan# 1215
 Delta R.T. -0.00 min
 Lab File: BG043441.D
 Acq: 31 Oct 2019 19:41

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
93	100		141393		
95	32.7	24.9	37.3		
123	11.4	8.9	13.3		





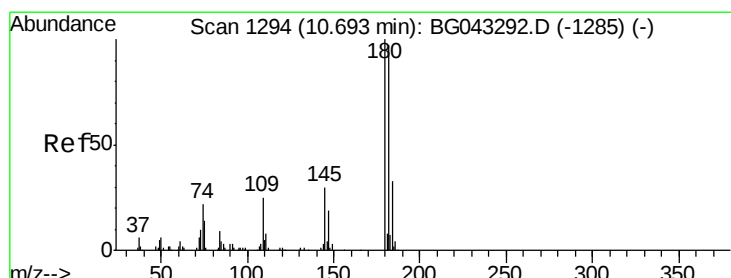
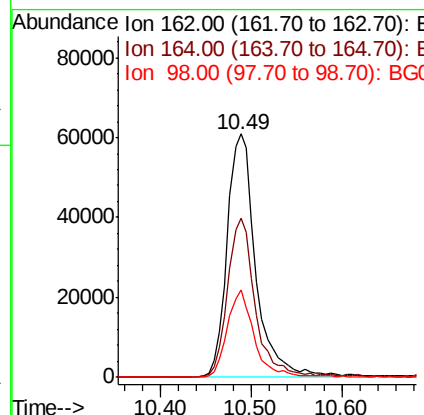
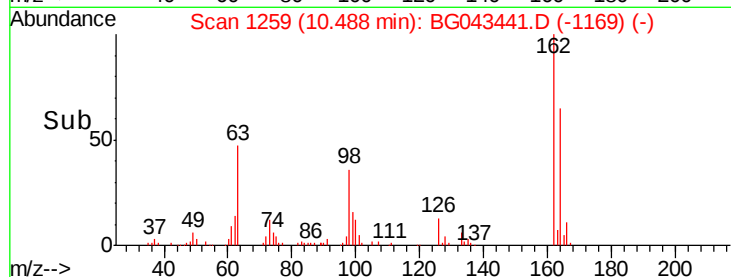
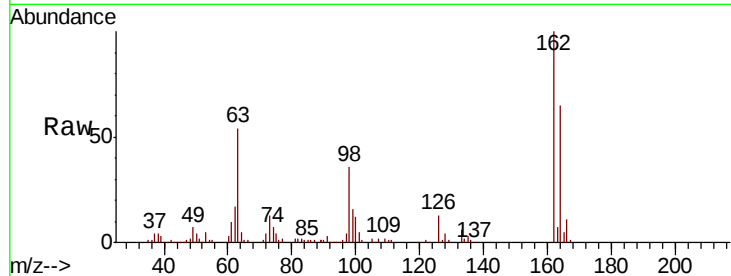
#29
 2,4-Dichlorophenol
 Concen: 50.535 ng
 RT: 10.49 min Scan# 1259
 Delta R.T. 0.00 min
 Lab File: BG043441.D
 Acq: 31 Oct 2019 19:41

Instrument :
 BNA_G
 ClientSampleId :
 CSA-2-1-11MSD

Tot Ion	Ratio	Lower	Upper
162	100		
164	65.5	37.3	77.3
98	36.1	11.8	51.8

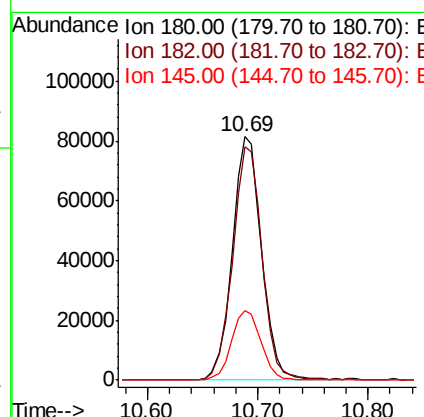
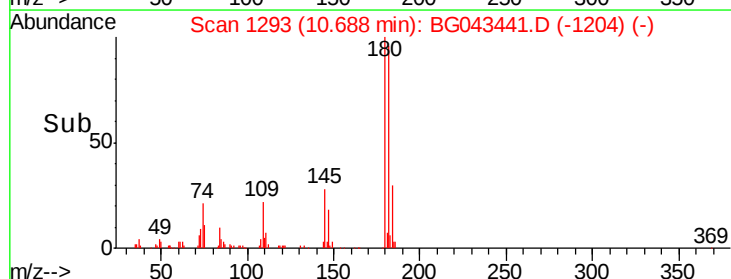
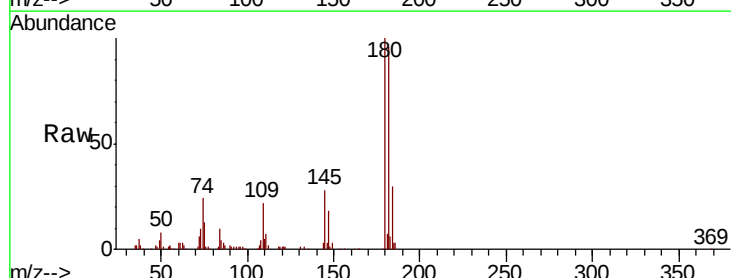
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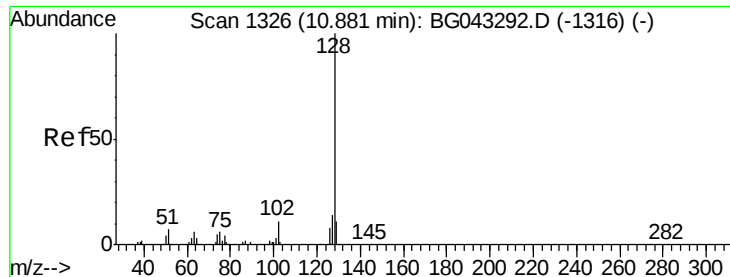
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#30
 1,2,4-Trichlorobenzene
 Concen: 45.329 ng
 RT: 10.69 min Scan# 1293
 Delta R.T. -0.00 min
 Lab File: BG043441.D
 Acq: 31 Oct 2019 19:41

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.6	77.8	116.8
145	28.4	23.6	35.4





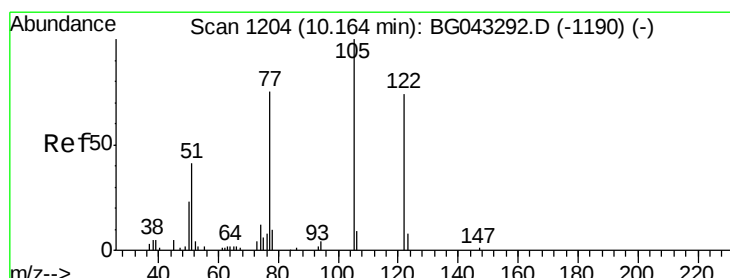
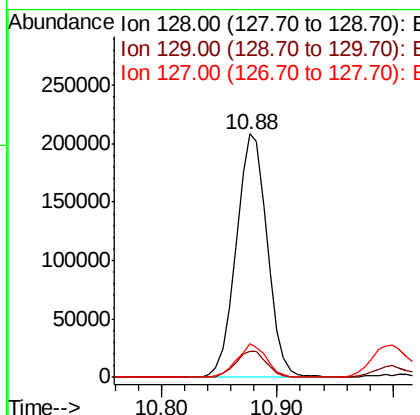
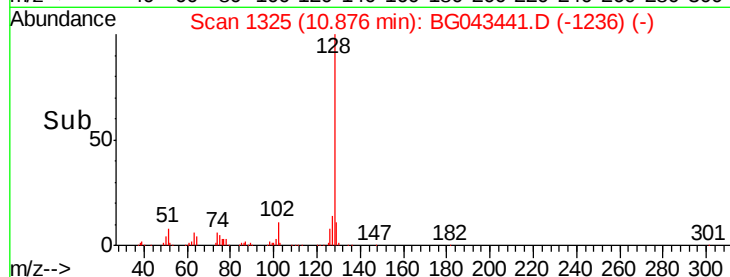
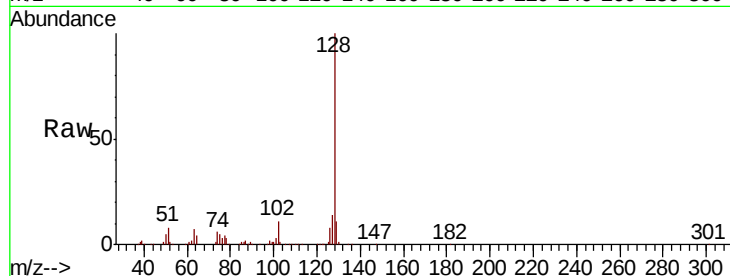
#31
Naphthalene
Concen: 47.167 ng
RT: 10.88 min Scan# 1325
Delta R.T. -0.00 min
Lab File: BG043441.D
Acq: 31 Oct 2019 19:41

Instrument :
BNA_G
ClientSampleId :
CSA-2-1-11MSD

Tot Ion	Ratio	Lower	Upper
128	100		
129	10.7	8.6	12.8
127	13.8	11.5	17.3

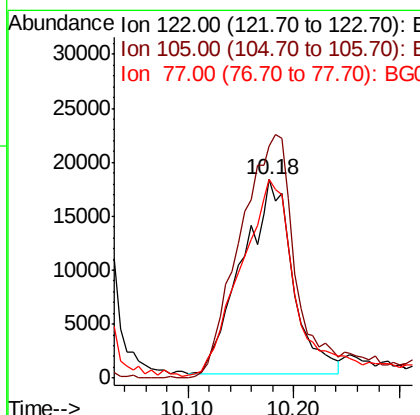
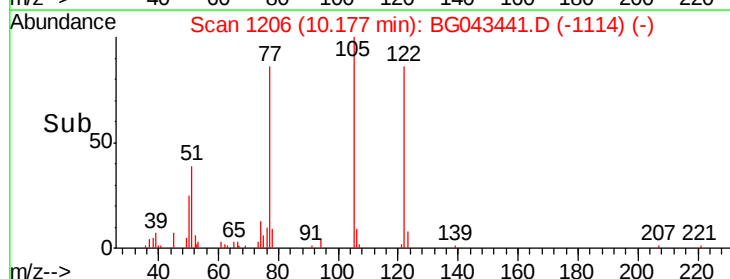
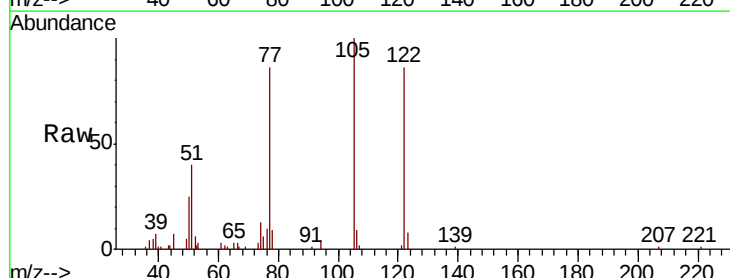
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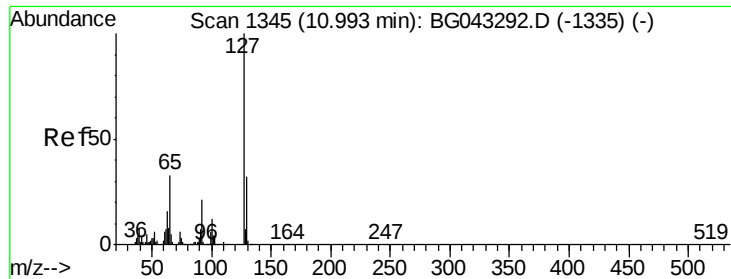
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#32
Benzoic acid
Concen: 39.736 ng
RT: 10.18 min Scan# 1206
Delta R.T. 0.01 min
Lab File: BG043441.D
Acq: 31 Oct 2019 19:41

Tgt Ion	Ratio	Lower	Upper
122	100		
105	116.8	112.4	152.4
77	100.0	82.7	122.7





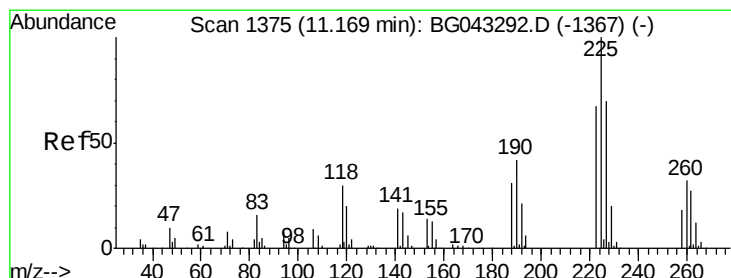
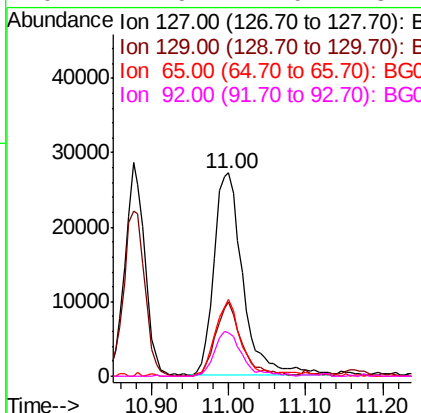
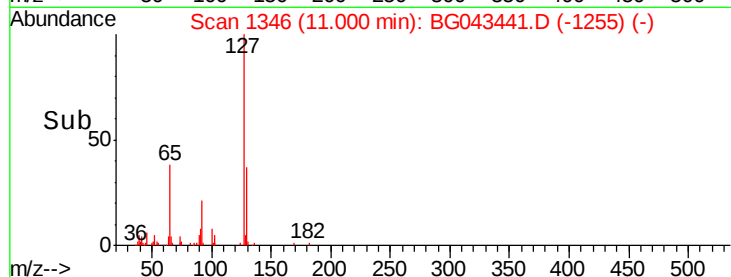
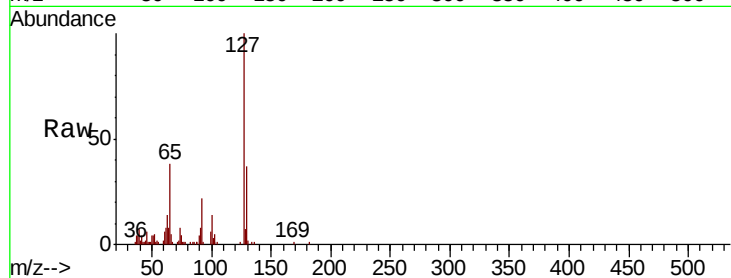
#33
4-Chloroaniline
Concen: 21.011 ng
RT: 11.00 min Scan# 1346
Delta R.T. 0.01 min
Lab File: BG043441.D
Acq: 31 Oct 2019 19:41

Instrument :
BNA_G
ClientSampleId :
CSA-2-1-11MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
127	100				
129	36.8	25.8	38.8		
65	38.0	26.2	39.2		
92	21.6	17.0	25.4		

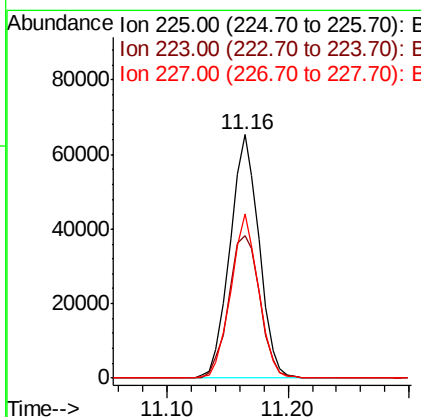
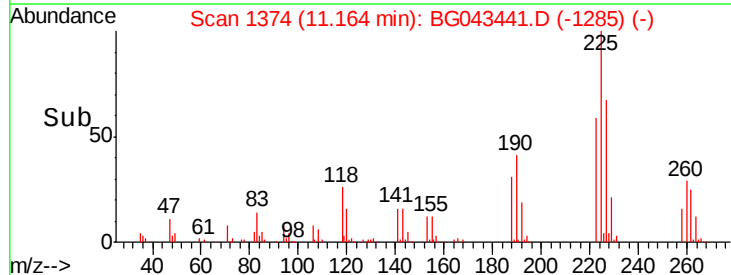
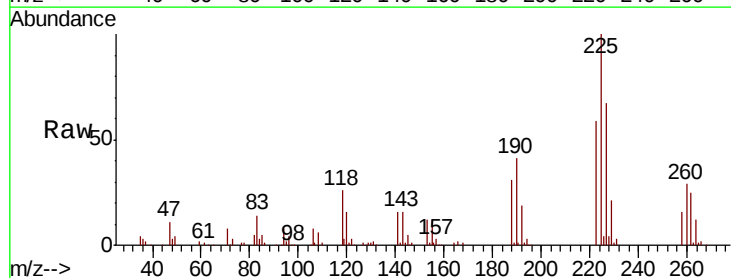
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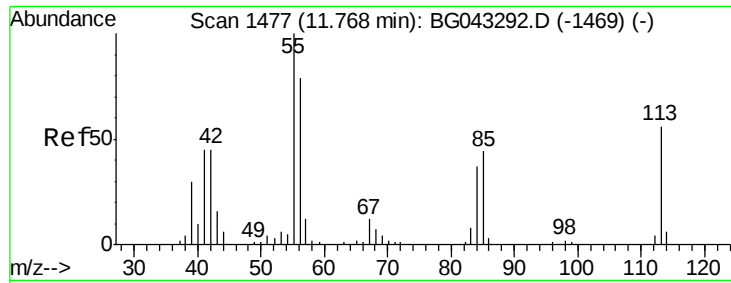
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#34
Hexachlorobutadiene
Concen: 44.378 ng
RT: 11.16 min Scan# 1374
Delta R.T. -0.00 min
Lab File: BG043441.D
Acq: 31 Oct 2019 19:41

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
225	100				
223	58.8	53.2	79.8		
227	67.4	56.2	84.2		





#35

Caprolactam

Concen: 43.562 ng/ml

RT: 11.77 min Scan# 1477

Delta R.T. 0.00 min

Lab File: BG043441.D

Acq: 31 Oct 2019 19:41

Instrument :

BNA_G

ClientSampleId :

CSA-2-1-11MSD

Tot Ion:113 Resp: 39704

Ion Ratio Lower Upper

113 100

55 153.4 158.9 198.9#

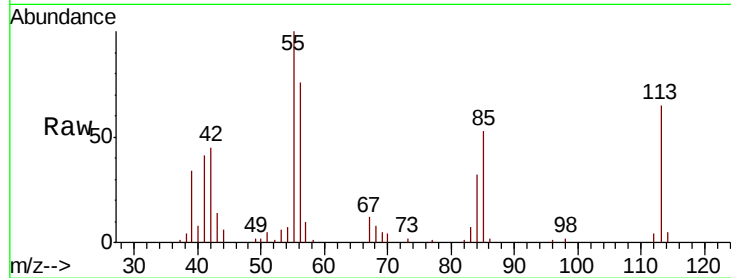
56 117.2 121.4 161.4#

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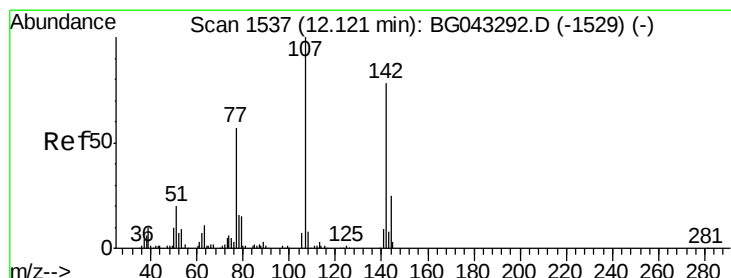
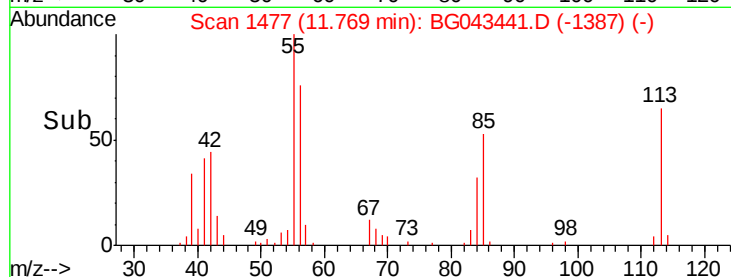
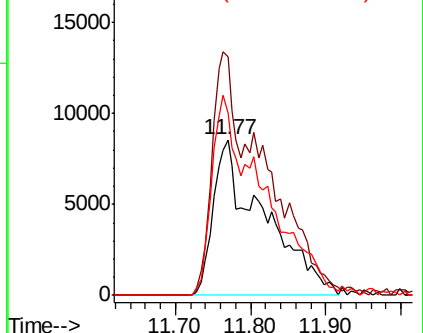
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Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BG043292.D (-1469) (-)

Ion 56.00 (55.70 to 56.70): BG043292.D (-1469) (-)



#36

4-Chloro-3-methylphenol

Concen: 47.850 ng/ml

RT: 12.13 min Scan# 1538

Delta R.T. 0.01 min

Lab File: BG043441.D

Acq: 31 Oct 2019 19:41

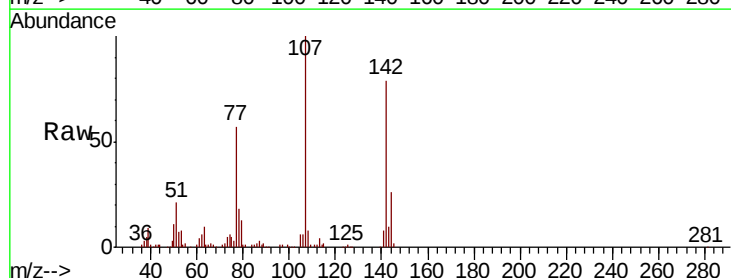
Tgt Ion:107 Resp: 138128

Ion Ratio Lower Upper

107 100

144 25.7 19.9 29.9

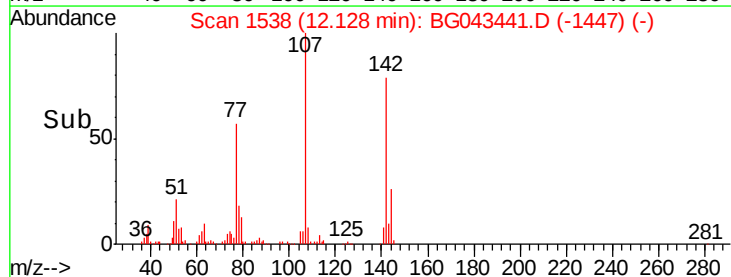
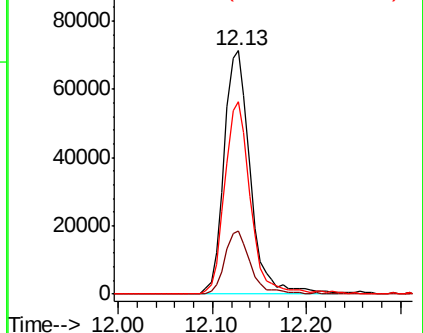
142 78.9 62.1 93.1



Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E





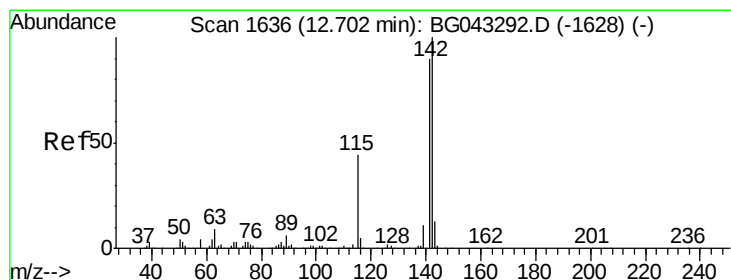
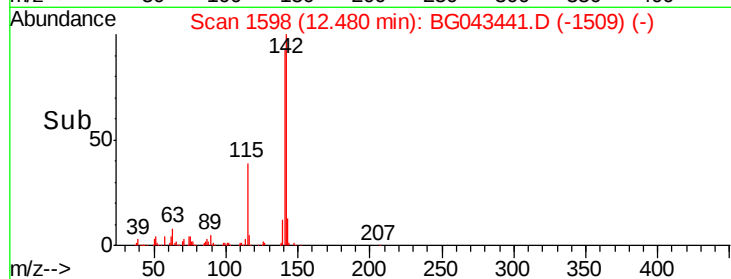
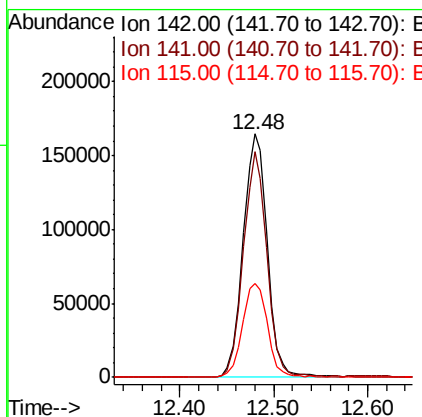
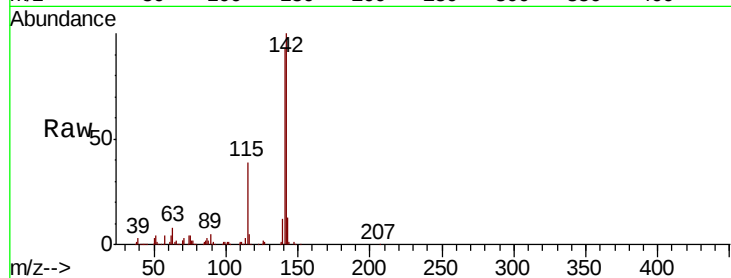
#37
2-Methylnaphthalene
Concen: 46.506 ng
RT: 12.48 min Scan# 1598
Delta R.T. -0.00 min
Lab File: BG043441.D
Acq: 31 Oct 2019 19:41

Instrument :
BNA_G
ClientSampleId :
CSA-2-1-11MSD

Tot Ion	Ratio	Lower	Upper
142	100		
141	92.8	69.7	104.5
115	38.6	30.6	46.0

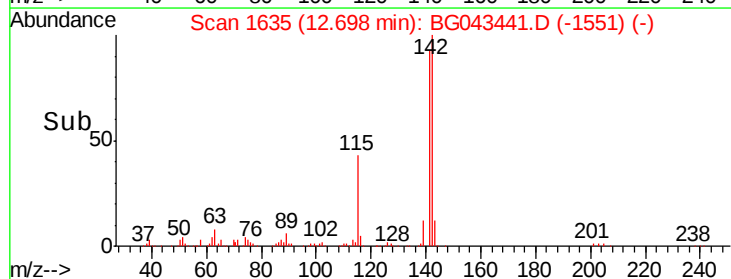
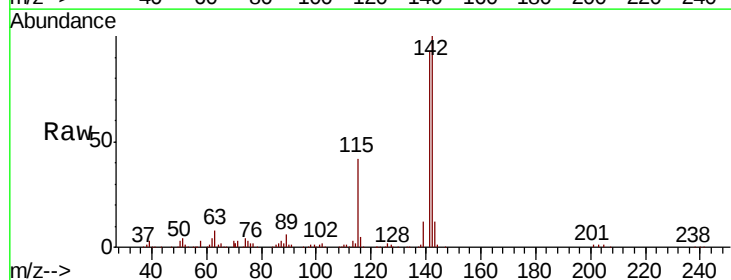
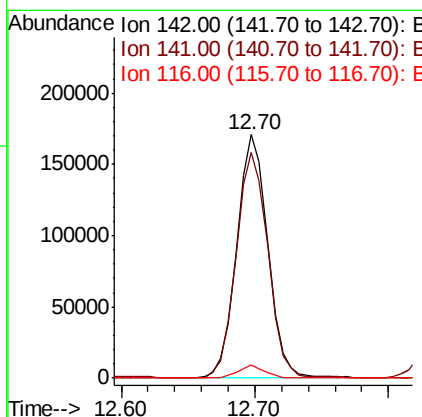
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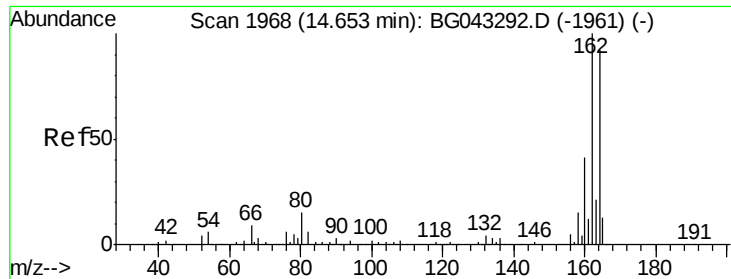
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#38
1-Methylnaphthalene
Concen: 45.758 ng
RT: 12.70 min Scan# 1635
Delta R.T. -0.00 min
Lab File: BG043441.D
Acq: 31 Oct 2019 19:41

Tgt Ion	Ratio	Lower	Upper
142	100		
141	92.8	72.3	108.5
116	5.2	3.8	5.6





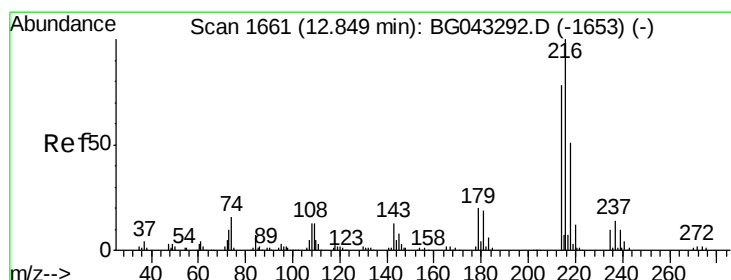
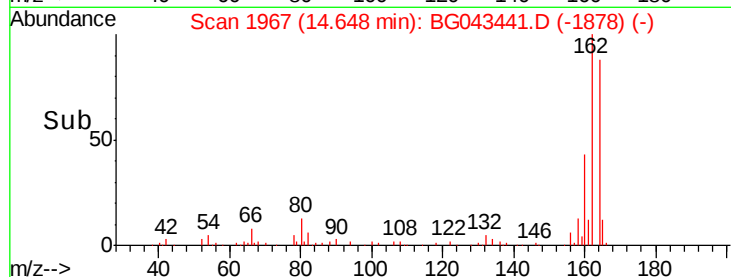
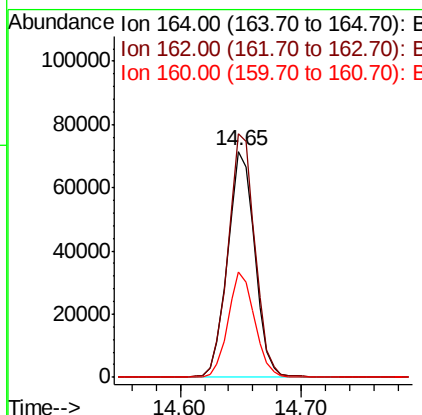
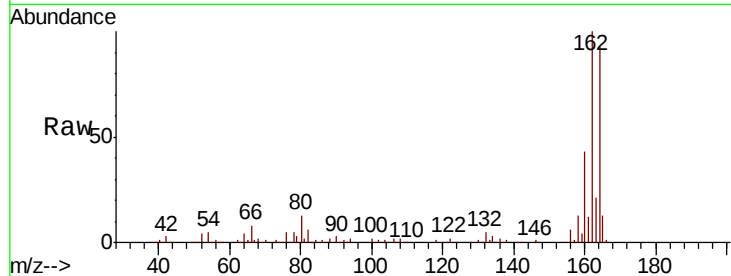
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.65 min Scan# 1967
Delta R.T. -0.00 min
Lab File: BG043441.D
Acq: 31 Oct 2019 19:41

Instrument :
BNA_G
ClientSampled :
CSA-2-1-11MSD

Tot Ion	Ratio	Lower	Upper
164	100		
162	107.6	87.0	130.4
160	46.7	35.5	53.3

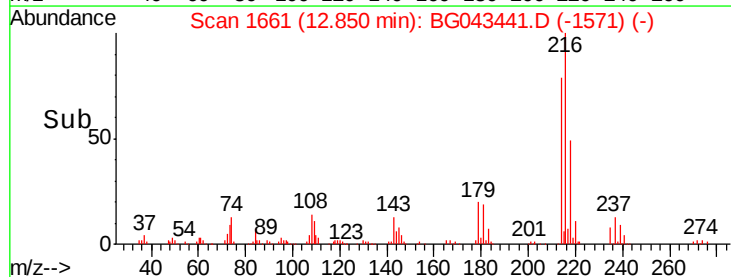
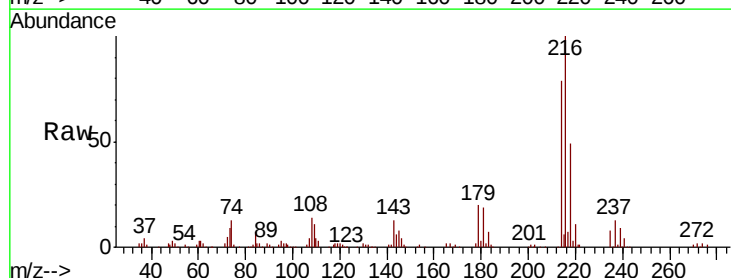
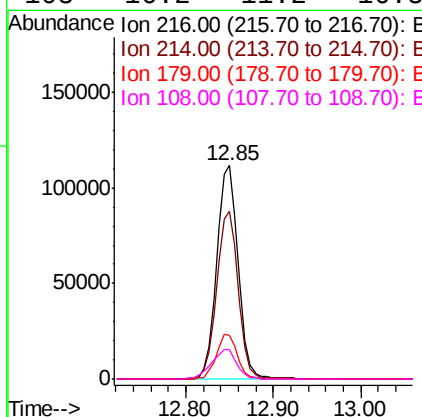
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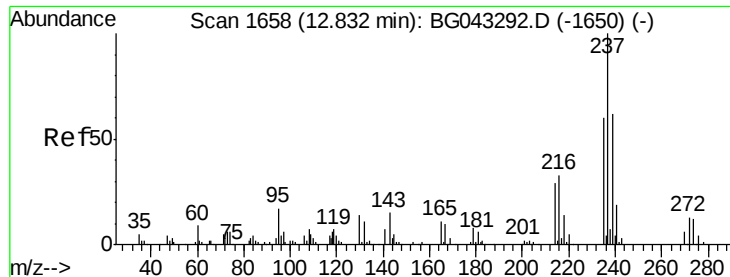
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#40
1,2,4,5-Tetrachlorobenzene
Concen: 45.853 ng
RT: 12.85 min Scan# 1661
Delta R.T. 0.00 min
Lab File: BG043441.D
Acq: 31 Oct 2019 19:41

Tgt Ion	Ratio	Lower	Upper
216	100		
214	78.8	63.5	95.3
179	20.4	16.2	24.2
108	16.2	11.2	16.8





#41

Hexachlorocyclopentadiene

Concen: 99.760 ng

RT: 12.83 min Scan# 1657

Delta R.T. -0.00 min

Lab File: BG043441.D

Acq: 31 Oct 2019 19:41

Instrument :

BNA_G

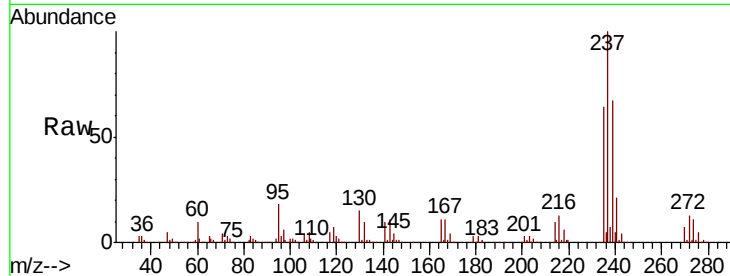
ClientSampleId :

CSA-2-1-11MSD

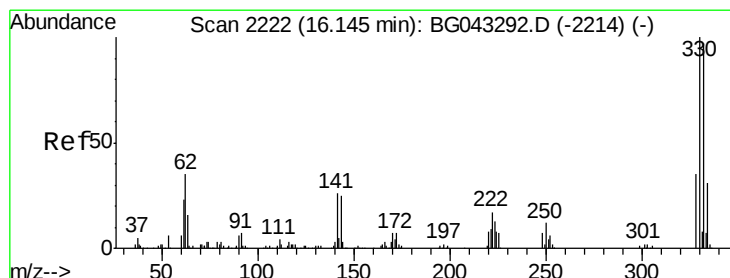
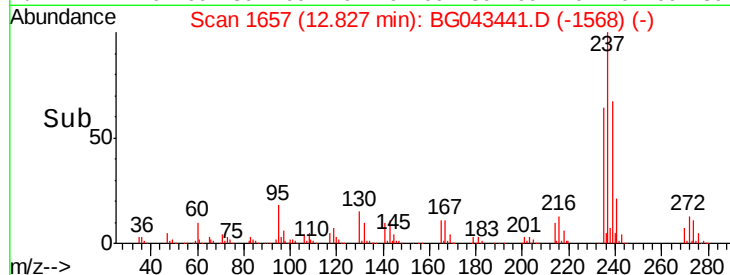
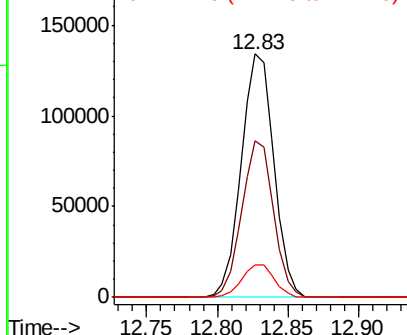
Tot Ion:	237	Resp:	217178
Ion Ratio	Lower	Upper	
237	100		
235	64.2	40.3	80.3
272	13.1	0.0	32.9

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Abundance Ion 236.80 (236.50 to 237.50): E
Ion 234.90 (234.60 to 235.60): E
Ion 271.75 (271.45 to 272.45): E



#42

2,4,6-Tribromophenol

Concen: 133.632 ng

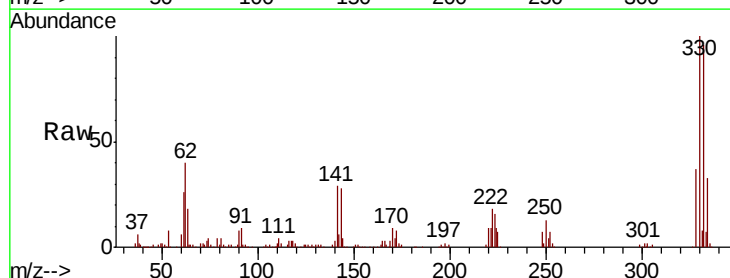
RT: 16.14 min Scan# 2221

Delta R.T. -0.00 min

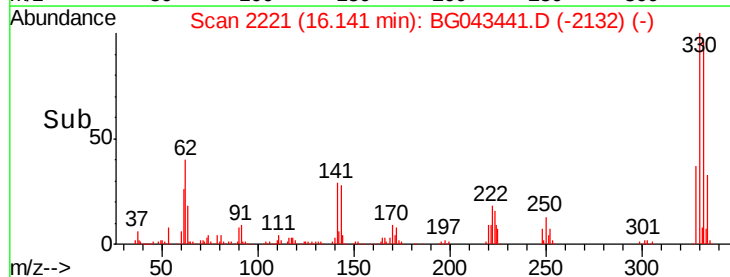
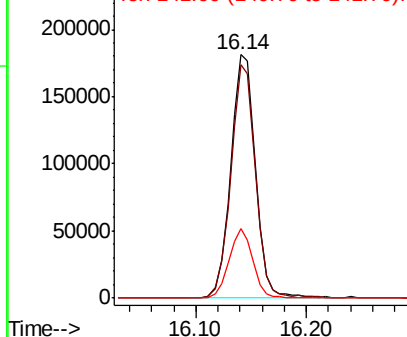
Lab File: BG043441.D

Acq: 31 Oct 2019 19:41

Tgt Ion:	330	Resp:	284771
Ion Ratio	Lower	Upper	
330	100		
332	95.4	76.4	114.6
141	27.5	21.4	32.0



Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E





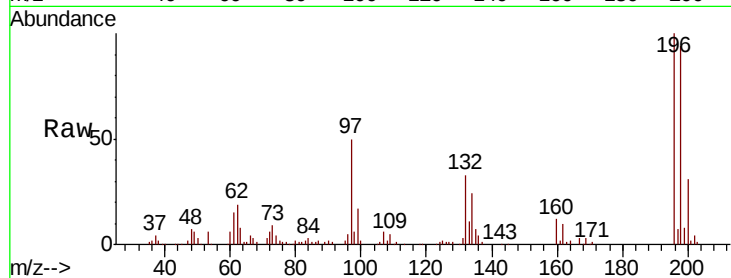
#43
 2,4,6-Trichlorophenol
 Concen: 49.331 ng
 RT: 13.09 min Scan# 1702
 Delta R.T. -0.00 min
 Lab File: BG043441.D
 Acq: 31 Oct 2019 19:41

Instrument :
 BNA_G
 ClientSampleId :
 CSA-2-1-11MSD

Tot Ion	Ratio	Resp	Lower	Upper
196	100	120396		
198	93.8	77.0	115.4	
200	31.1	27.4	41.2	

Manual Integrations
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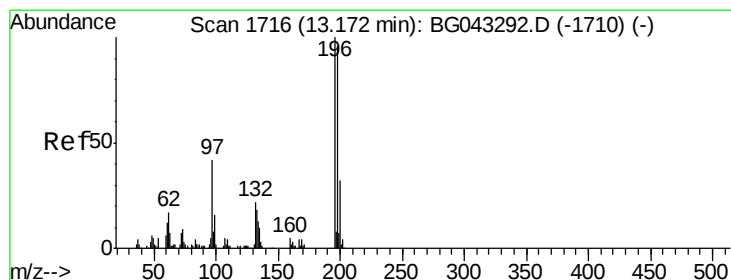
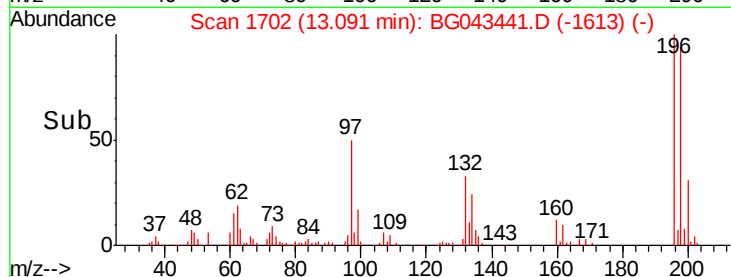
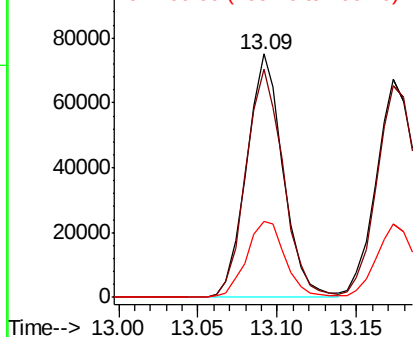


Abundance

Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 200.00 (199.70 to 200.70): E



#44
 2,4,5-Trichlorophenol
 Concen: 51.299 ng
 RT: 13.17 min Scan# 1716
 Delta R.T. 0.00 min
 Lab File: BG043441.D
 Acq: 31 Oct 2019 19:41

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	126574		
198	97.5	76.6	114.8	
97	42.8	34.1	51.1	
132	21.7	18.2	27.4	

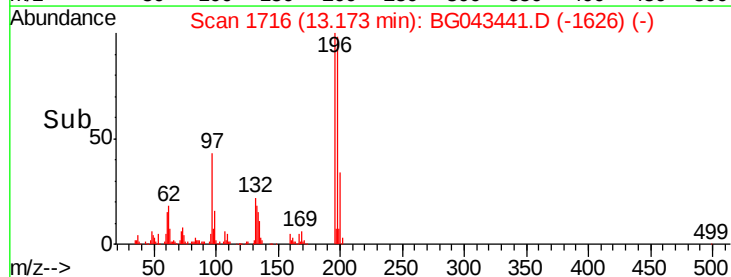
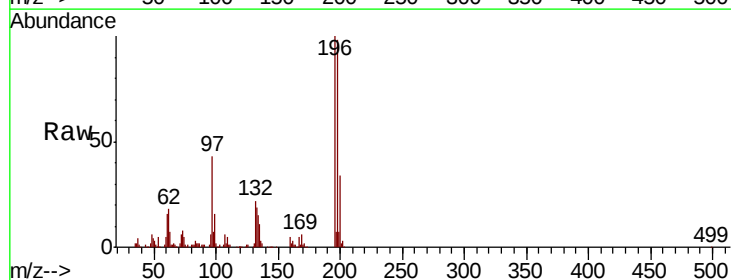
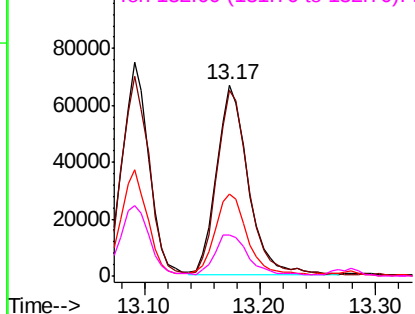
Abundance

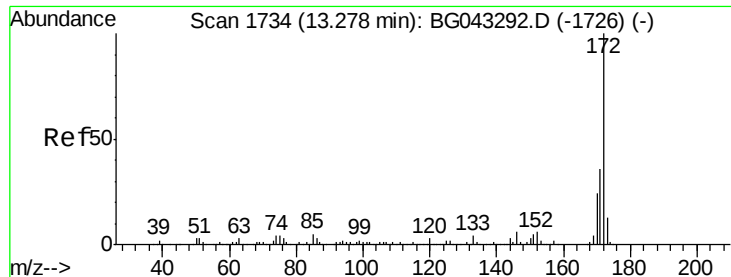
Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 97.00 (96.70 to 97.70): BGC

Ion 132.00 (131.70 to 132.70): E





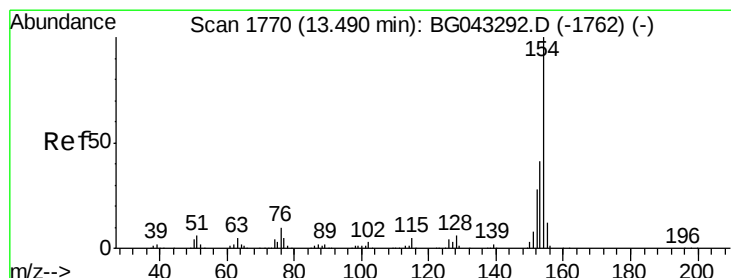
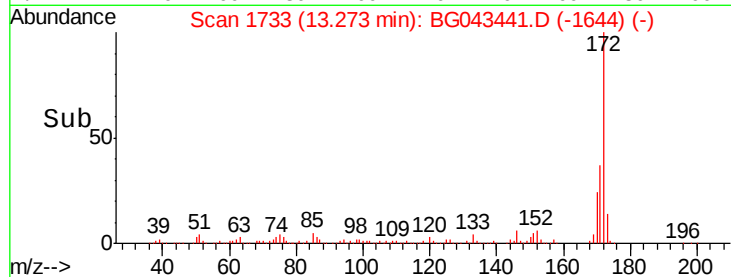
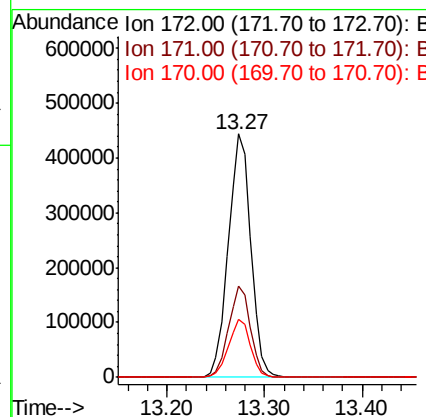
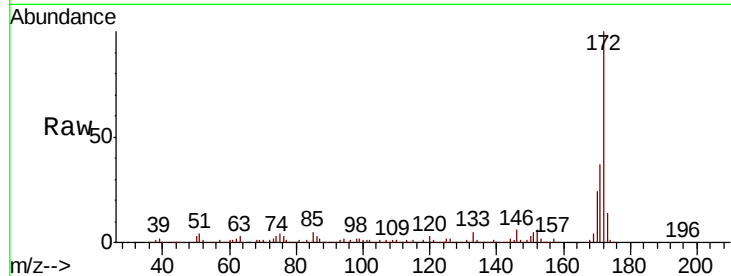
#45
2-Fluorobiphenyl
Concen: 87.222 ng
RT: 13.27 min Scan# 1733
Delta R.T. -0.00 min
Lab File: BG043441.D
Acq: 31 Oct 2019 19:41

Instrument :
BNA_G
ClientSampleId :
CSA-2-1-11MSD

Tot Ion	Ratio	Lower	Upper
172	100		
171	37.4	28.5	42.7
170	23.7	18.8	28.2

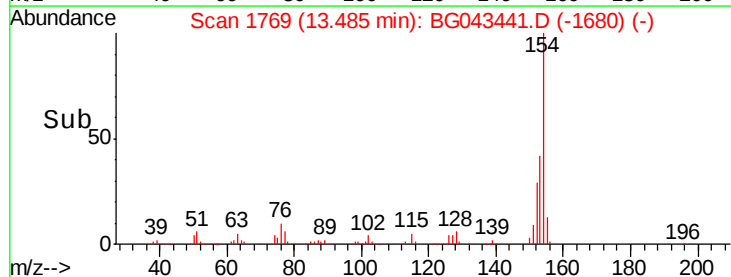
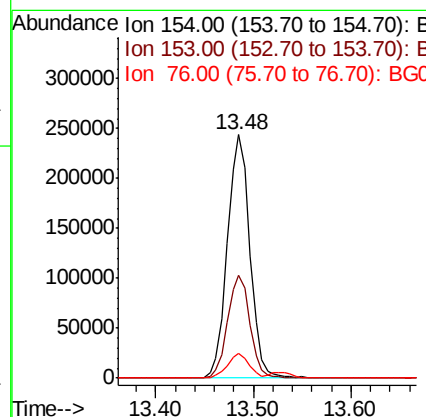
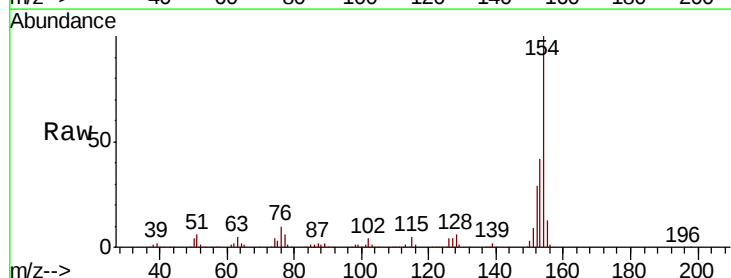
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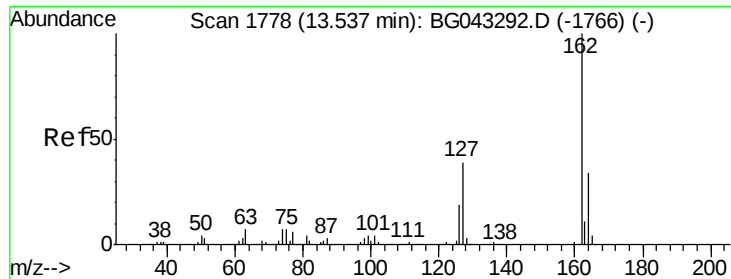
mohammad
11/1/2019 2:05:31 PM



#46
1,1'-Biphenyl
Concen: 45.678 ng
RT: 13.48 min Scan# 1769
Delta R.T. -0.00 min
Lab File: BG043441.D
Acq: 31 Oct 2019 19:41

Tgt Ion	Ratio	Lower	Upper
154	100		
153	42.4	21.0	61.0
76	10.1	0.0	29.8





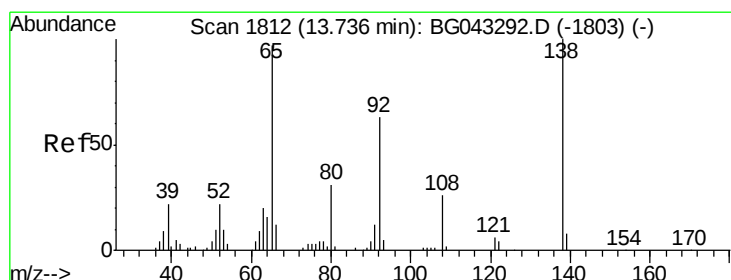
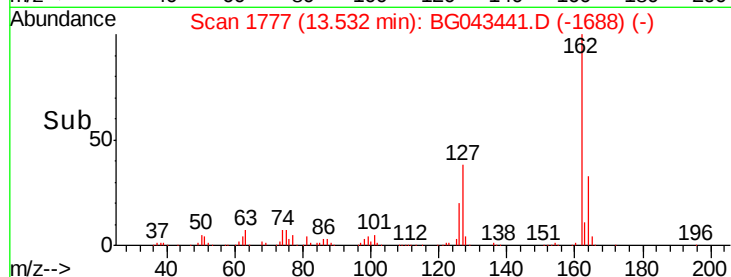
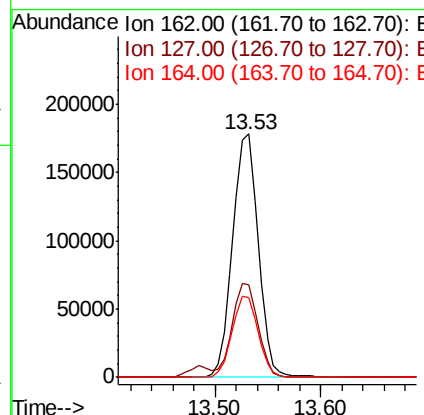
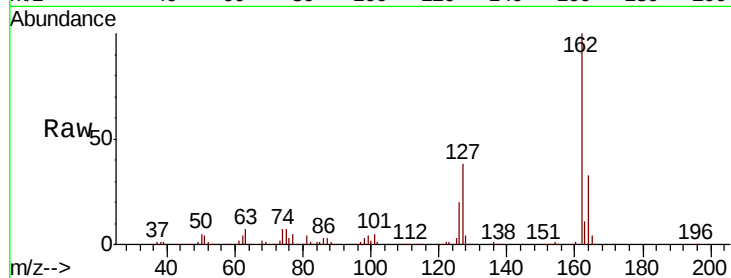
#47
2-Chloronaphthalene
Concen: 46.319 ng
RT: 13.53 min Scan# 1777
Delta R.T. -0.00 min
Lab File: BG043441.D
Acq: 31 Oct 2019 19:41

Instrument :
BNA_G
ClientSampleId :
CSA-2-1-11MSD

Tot Ion	Ratio	Lower	Upper
162	100		
127	38.0	31.3	46.9
164	32.6	26.8	40.2

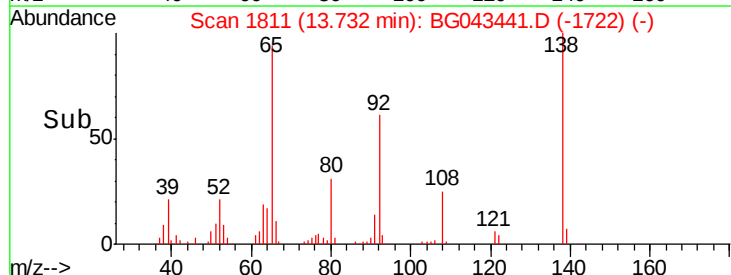
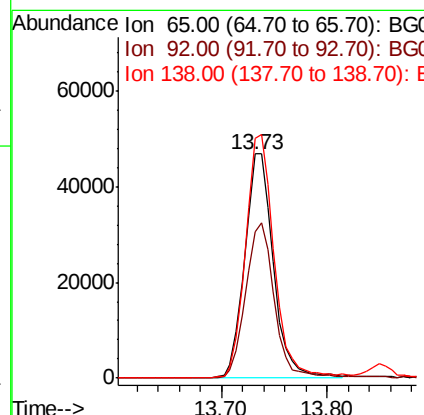
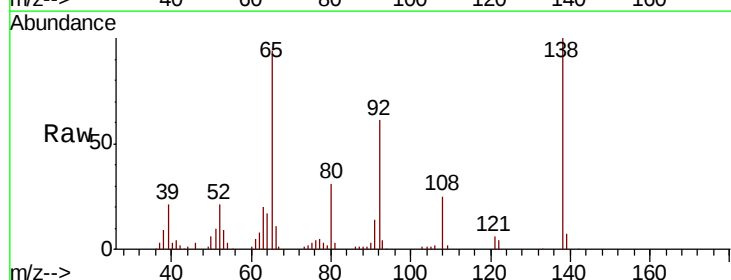
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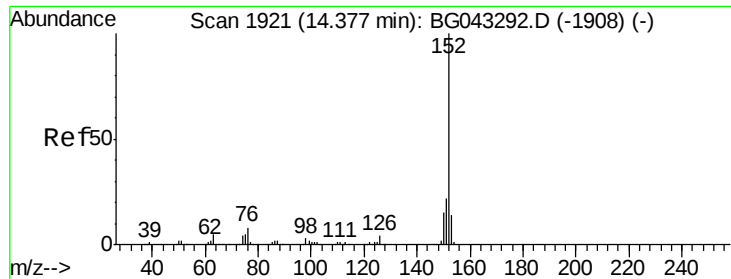
mohammad
11/1/2019 2:05:31 PM



#48
2-Nitroaniline
Concen: 45.563 ng
RT: 13.73 min Scan# 1811
Delta R.T. -0.00 min
Lab File: BG043441.D
Acq: 31 Oct 2019 19:41

Tgt Ion	Ratio	Lower	Upper
65	100		
92	65.5	52.6	79.0
138	106.8	82.9	124.3





#49

Acenaphthylene

Concen: 48.421 ng

RT: 14.37 min Scan# 1920

Delta R.T. -0.00 min

Lab File: BG043441.D

Acq: 31 Oct 2019 19:41

Instrument :

BNA_G

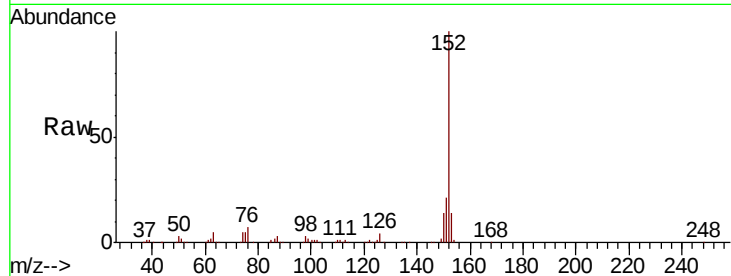
ClientSampleId :

CSA-2-1-11MSD

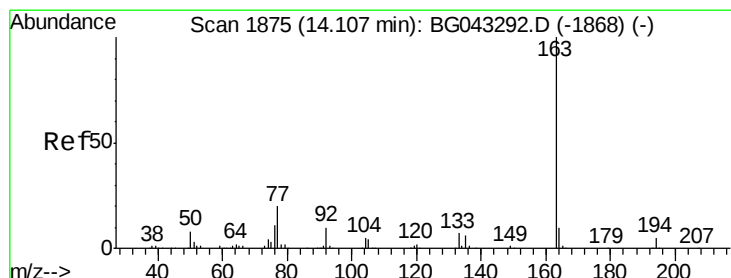
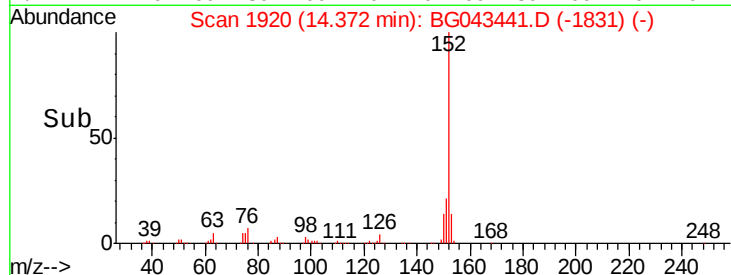
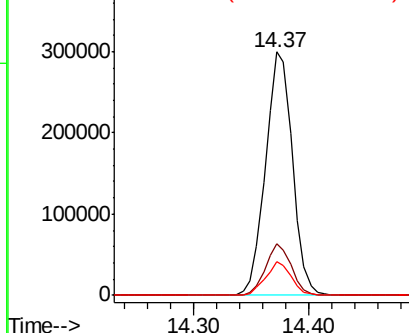
Tot Ion:	152	Resp:	488469
Ion Ratio	Lower	Upper	
152	100		
151	21.0	17.2	25.8
153	13.9	11.0	16.6

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Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



#50

Dimethylphthalate

Concen: 57.511 ng

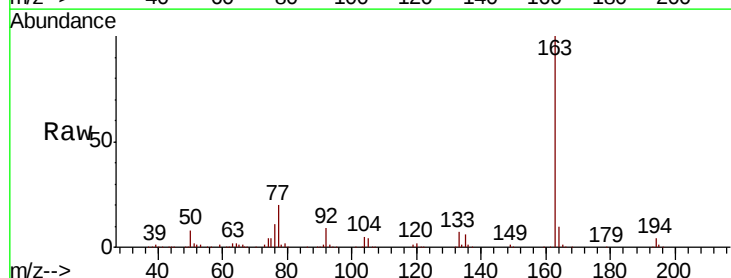
RT: 14.11 min Scan# 1875

Delta R.T. 0.00 min

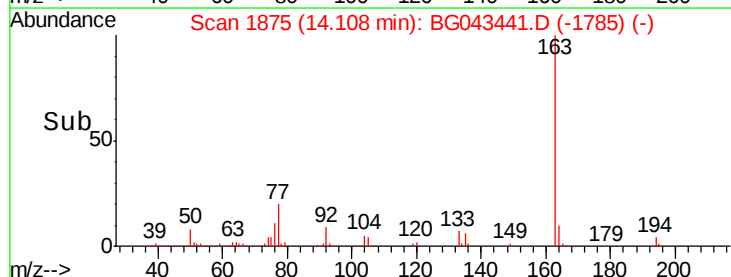
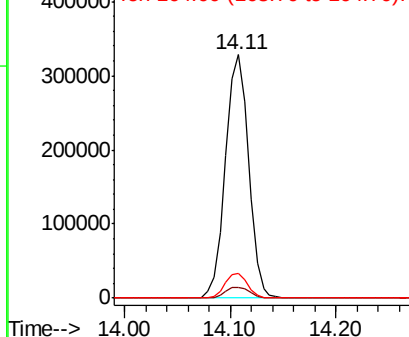
Lab File: BG043441.D

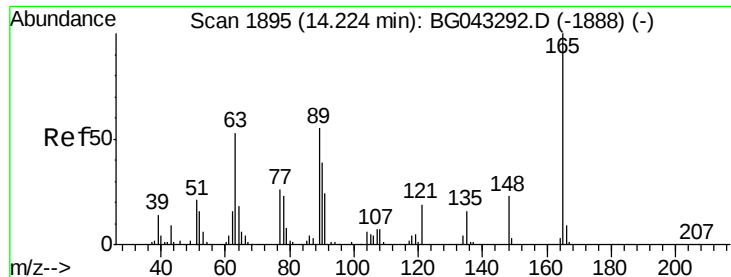
Acq: 31 Oct 2019 19:41

Tgt Ion:	163	Resp:	498832
Ion Ratio	Lower	Upper	
163	100		
194	4.5	3.7	5.5
164	10.0	8.1	12.1



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E





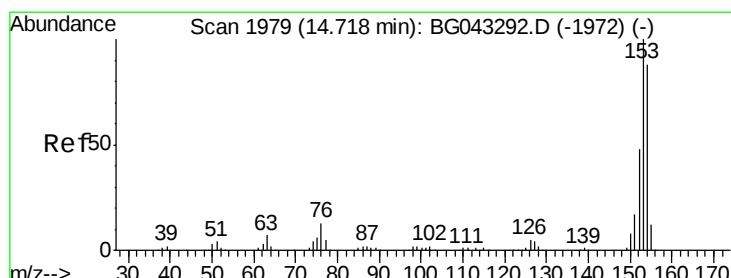
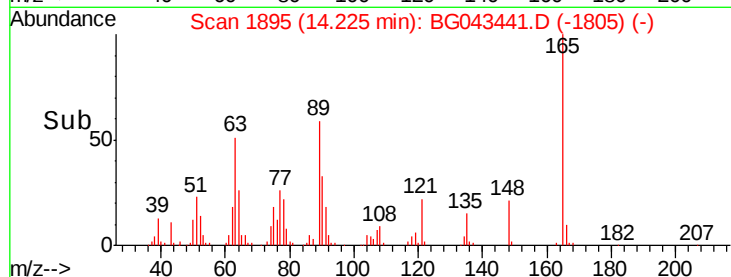
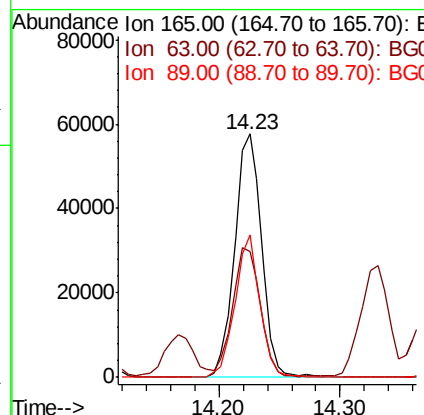
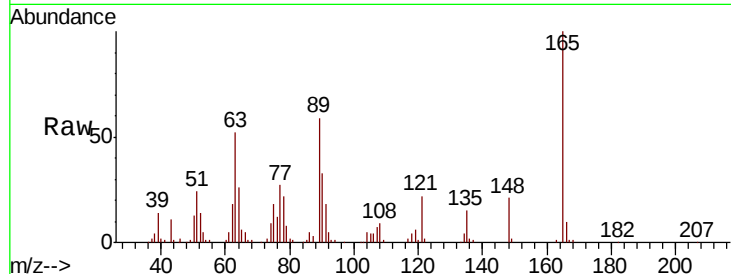
#51
2,6-Dinitrotoluene
Concen: 47.535 ng
RT: 14.23 min Scan# 1895
Delta R.T. 0.00 min
Lab File: BG043441.D
Acq: 31 Oct 2019 19:41

Instrument :
BNA_G
ClientSampleId :
CSA-2-1-11MSD

Tot Ion	Ratio	Lower	Upper
165	100		
63	51.7	47.1	70.7
89	58.8	43.7	65.5

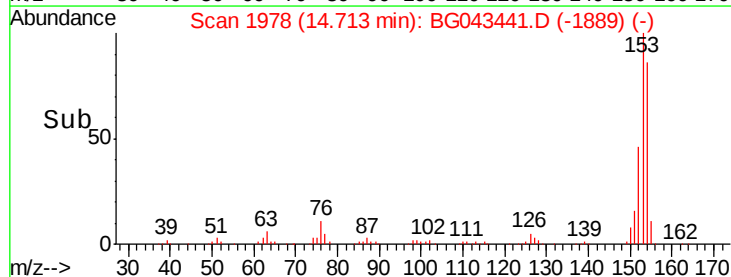
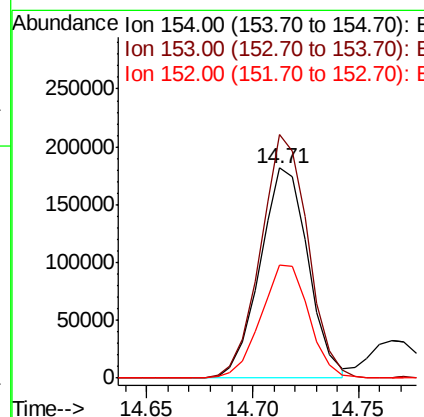
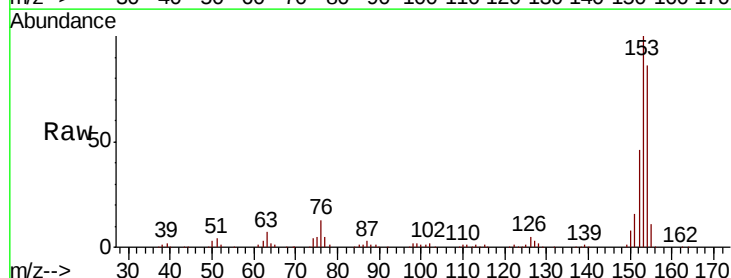
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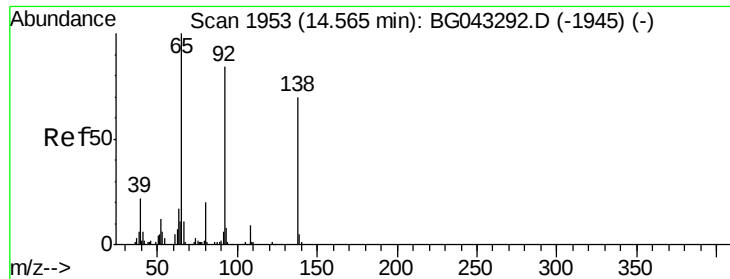
mohammad
11/1/2019 2:05:31 PM



#52
Acenaphthene
Concen: 46.602 ng
RT: 14.71 min Scan# 1978
Delta R.T. -0.00 min
Lab File: BG043441.D
Acq: 31 Oct 2019 19:41

Tgt Ion	Ratio	Lower	Upper
154	100		
153	116.0	90.9	136.3
152	53.6	43.9	65.9





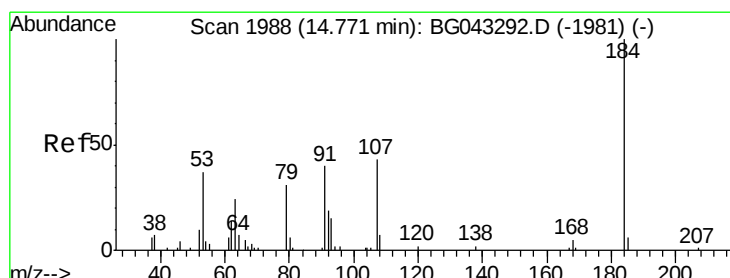
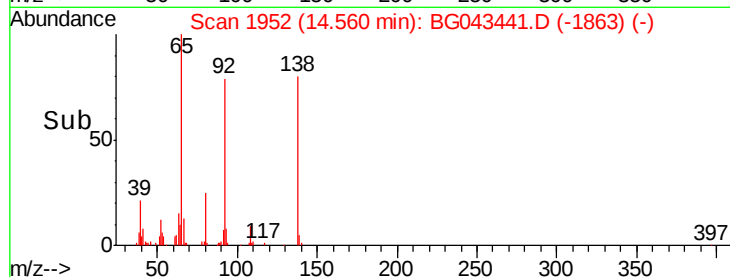
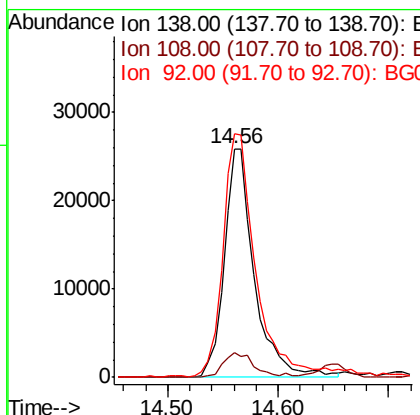
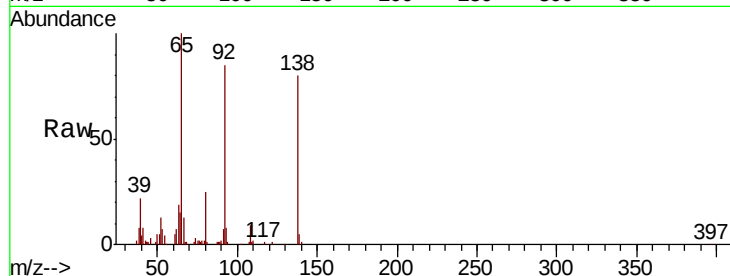
#53
3-Nitroaniline
Concen: 27.013 ng
RT: 14.56 min Scan# 1952
Delta R.T. -0.00 min
Lab File: BG043441.D
Acq: 31 Oct 2019 19:41

Instrument :
BNA_G
ClientSampleId :
CSA-2-1-11MSD

Tot Ion	Ratio	Lower	Upper
138	100		
108	10.8	9.8	14.6
92	106.4	95.8	143.6

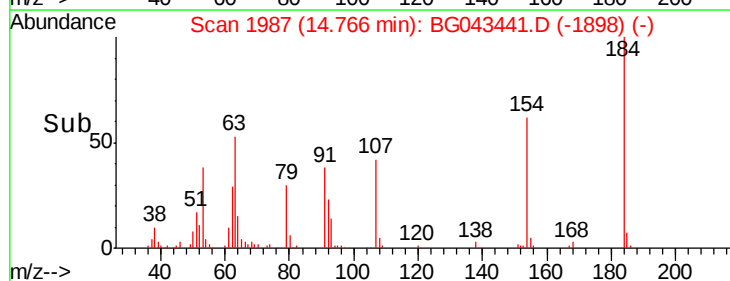
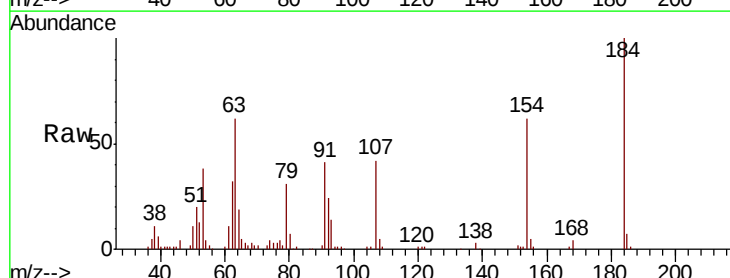
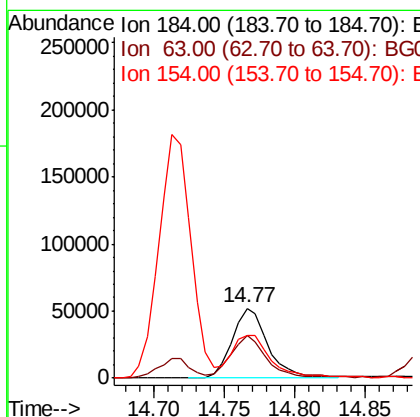
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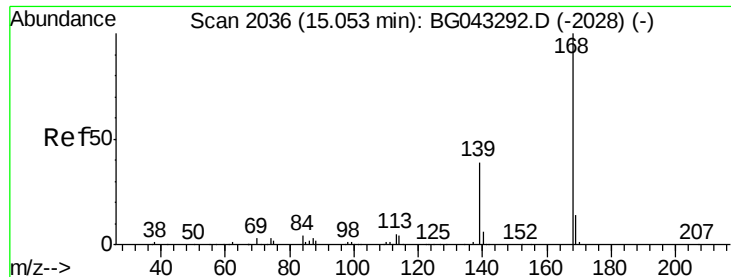
mohammad
11/1/2019 2:05:31 PM



#54
2,4-Dinitrophenol
Concen: 78.534 ng
RT: 14.77 min Scan# 1987
Delta R.T. -0.00 min
Lab File: BG043441.D
Acq: 31 Oct 2019 19:41

Tgt Ion	Ratio	Lower	Upper
184	100		
63	61.5	48.8	73.2
154	61.7	49.4	74.0





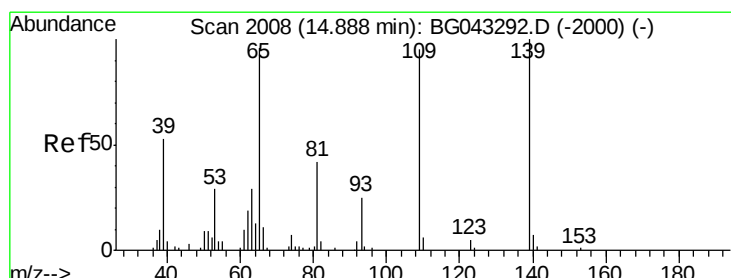
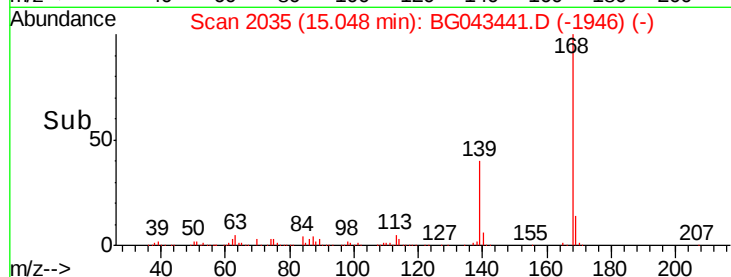
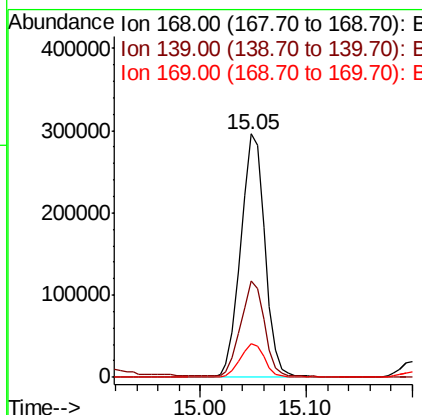
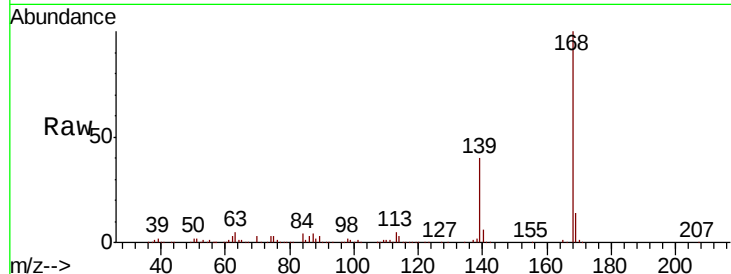
#55
Dibenzenofuran
Concen: 47.030 ng
RT: 15.05 min Scan# 2035
Delta R.T. -0.00 min
Lab File: BG043441.D
Acq: 31 Oct 2019 19:41

Instrument :
BNA_G
ClientSampleId :
CSA-2-1-11MSD

Tot Ion	Ratio	Lower	Upper
168	100		
139	39.8	31.7	47.5
169	13.9	11.0	16.4

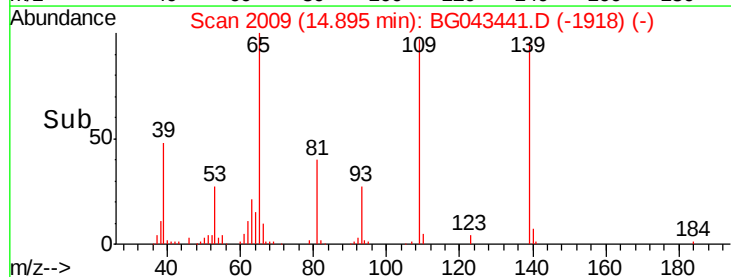
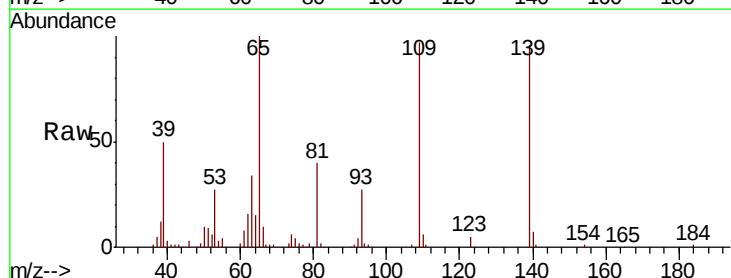
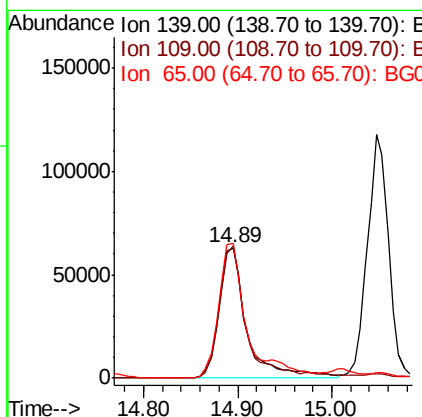
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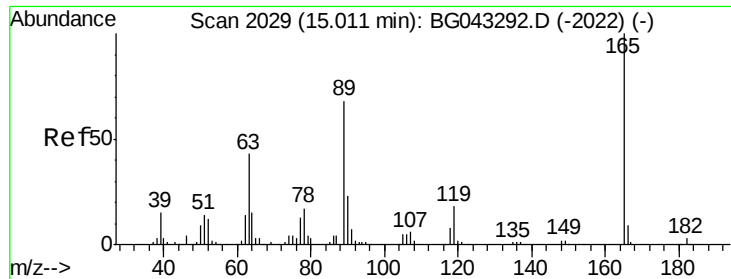
mohammad
11/1/2019 2:05:31 PM



#56
4-Nitrophenol
Concen: 106.047 ng
RT: 14.89 min Scan# 2009
Delta R.T. 0.01 min
Lab File: BG043441.D
Acq: 31 Oct 2019 19:41

Tgt Ion	Ratio	Lower	Upper
139	100		
109	101.7	75.4	115.4
65	104.3	76.6	116.6





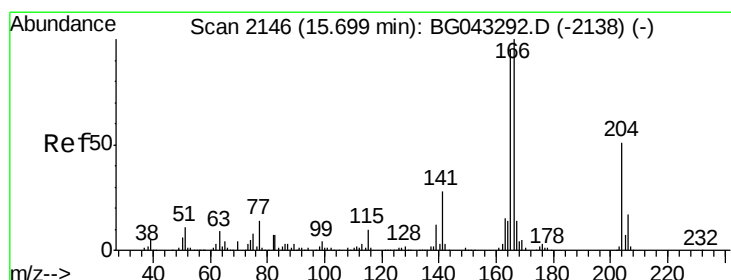
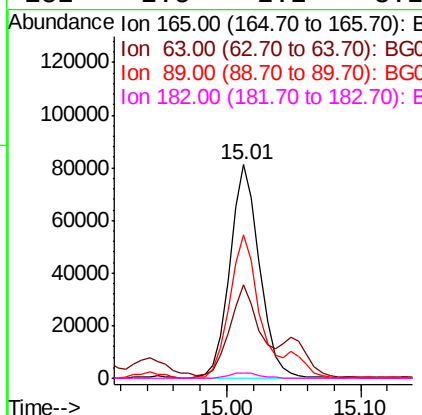
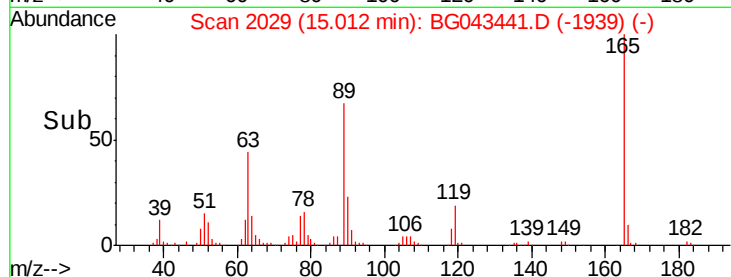
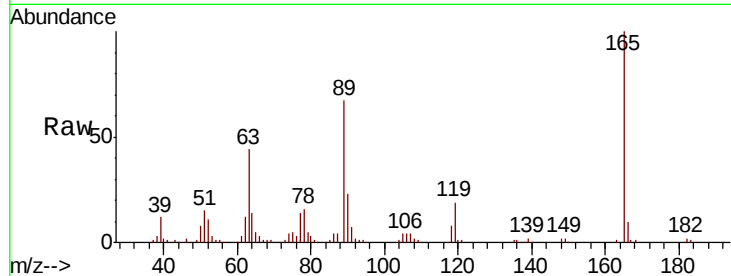
#57
 2,4-Dinitrotoluene
 Concen: 46.916 ng
 RT: 15.01 min Scan# 2029
 Delta R.T. 0.00 min
 Lab File: BG043441.D
 Acq: 31 Oct 2019 19:41

Instrument :
 BNA_G
 ClientSampleId :
 CSA-2-1-11MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
165	100		126342		
63	44.0		35.0	52.6	
89	67.0		54.1	81.1	
182	2.5		2.2	3.2	

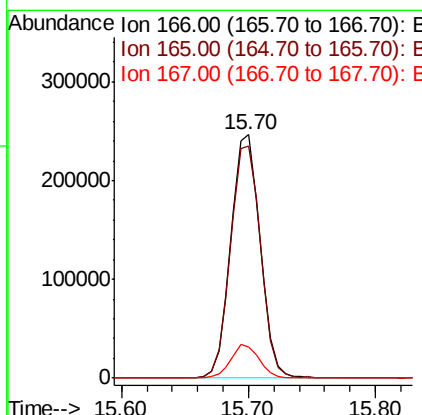
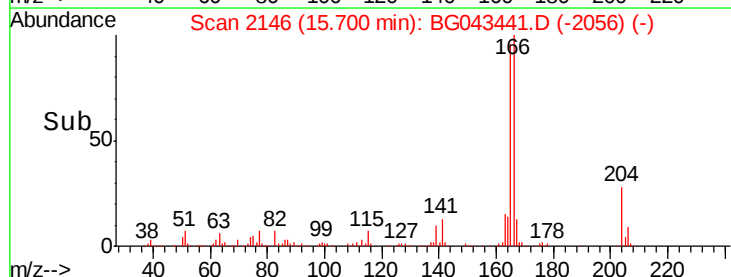
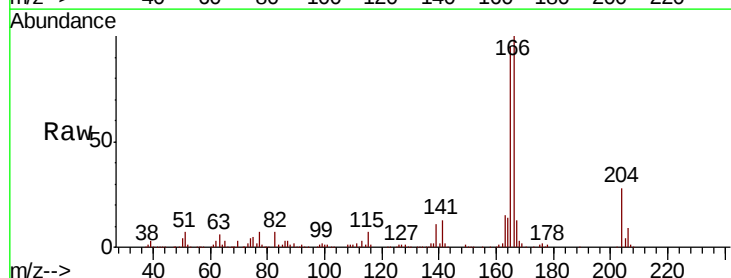
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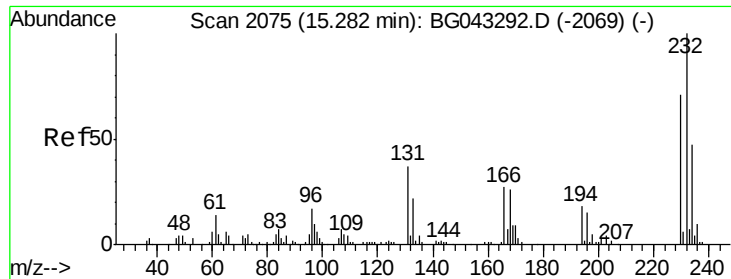
mohammad
 11/1/2019 2:05:31 PM



#58
 Fluorene
 Concen: 46.949 ng
 RT: 15.70 min Scan# 2146
 Delta R.T. 0.00 min
 Lab File: BG043441.D
 Acq: 31 Oct 2019 19:41

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
166	100		392841		
165	95.4		76.4	114.6	
167	12.9		11.1	16.7	





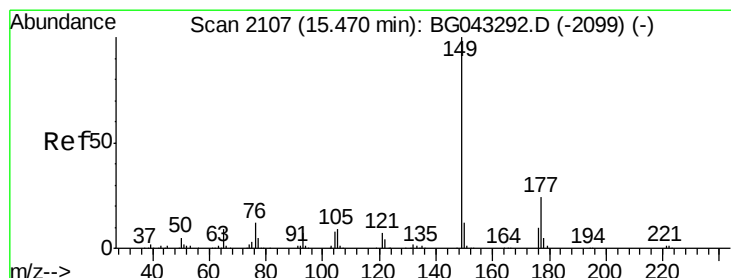
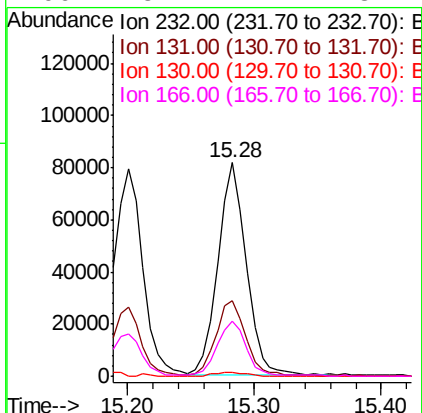
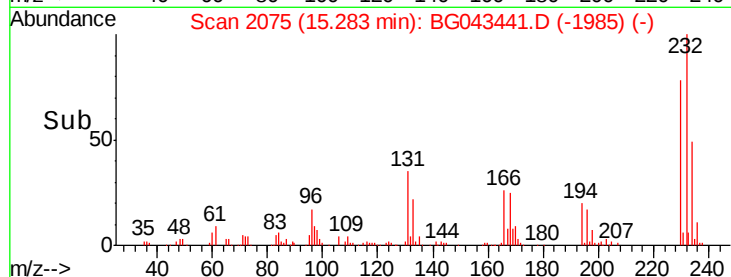
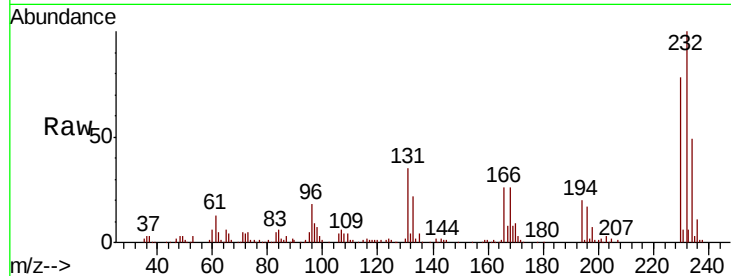
#59
 2,3,4,6-Tetrachlorophenol
 Concen: 48.277 ng
 RT: 15.28 min Scan# 2075
 Delta R.T. 0.00 min
 Lab File: BG043441.D
 Acq: 31 Oct 2019 19:41

Instrument :
 BNA_G
 ClientSampleId :
 CSA-2-1-11MSD

Tot Ion	Ratio	Resp	Lower	Upper
232	100	126558		
131	37.1	28.7	43.1	
130	2.2	0.6	0.8	
166	25.7	21.1	31.7	

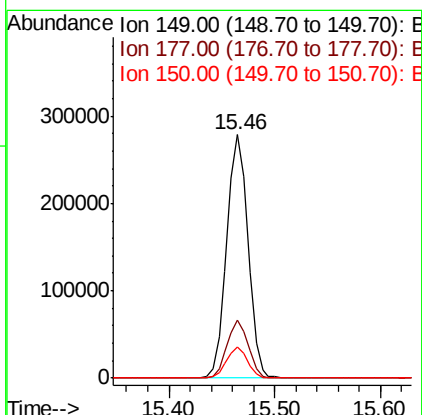
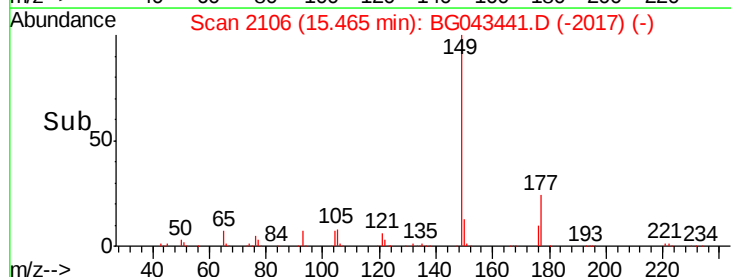
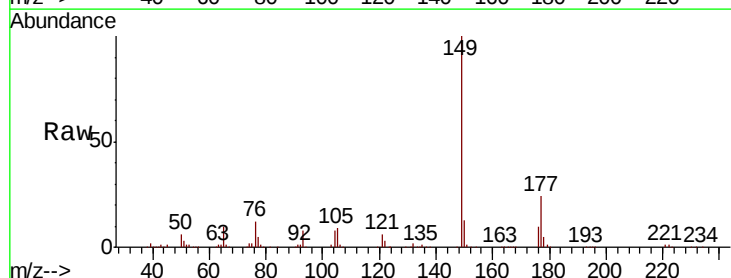
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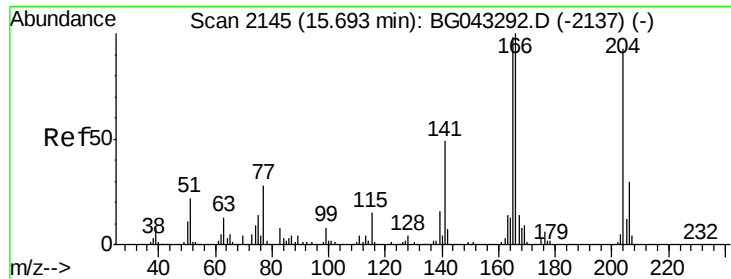
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#60
 Diethylphthalate
 Concen: 44.463 ng
 RT: 15.46 min Scan# 2106
 Delta R.T. -0.00 min
 Lab File: BG043441.D
 Acq: 31 Oct 2019 19:41

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	387508		
177	24.1	19.0	28.4	
150	12.8	9.4	14.0	





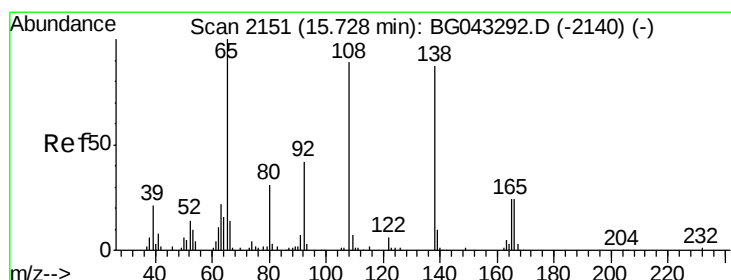
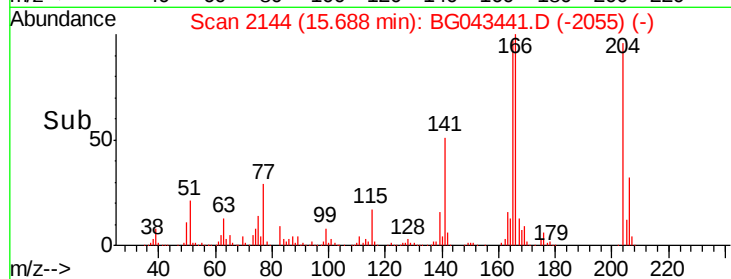
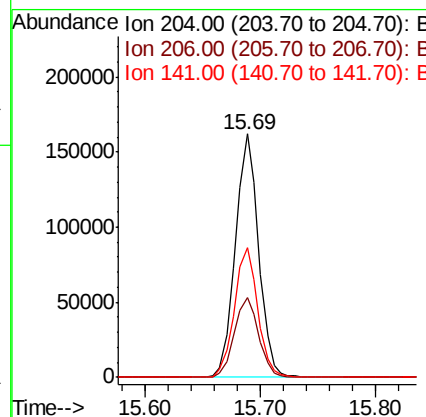
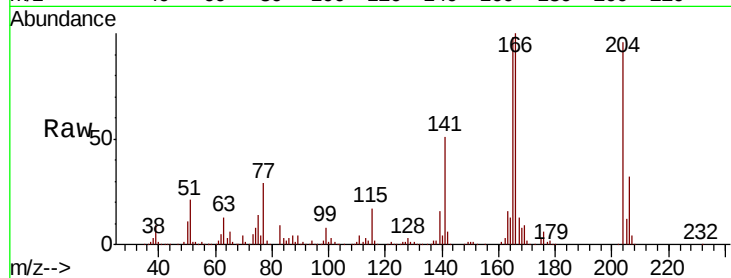
#61
4-Chlorophenyl-phenylether
Concen: 46.216 ng
RT: 15.69 min Scan# 2144
Delta R.T. -0.00 min
Lab File: BG043441.D
Acq: 31 Oct 2019 19:41

Instrument :
BNA_G
ClientSampleId :
CSA-2-1-11MSD

Tot Ion	Ratio	Resp	Lower	Upper
204	100	225594		
206	32.8	25.7	38.5	
141	53.3	42.3	63.5	

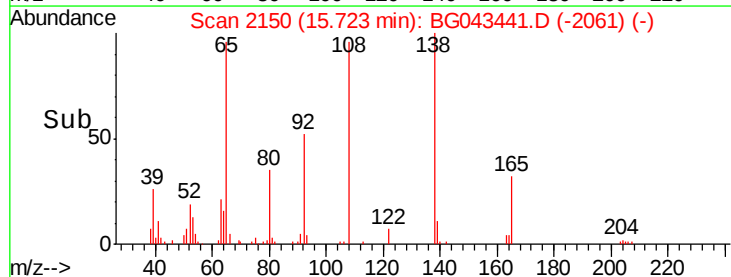
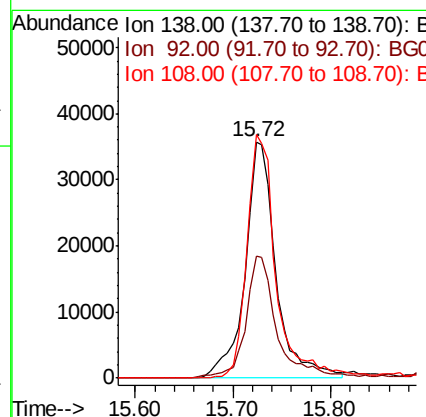
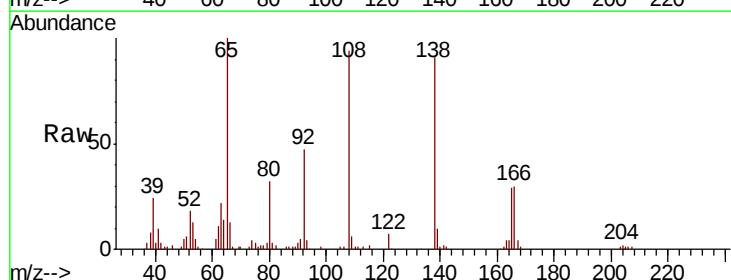
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#62
4-Nitroaniline
Concen: 41.939 ng
RT: 15.72 min Scan# 2150
Delta R.T. -0.00 min
Lab File: BG043441.D
Acq: 31 Oct 2019 19:41

Tgt Ion	Ratio	Resp	Lower	Upper
138	100	78799		
92	51.5	28.8	68.8	
108	103.0	82.7	122.7	





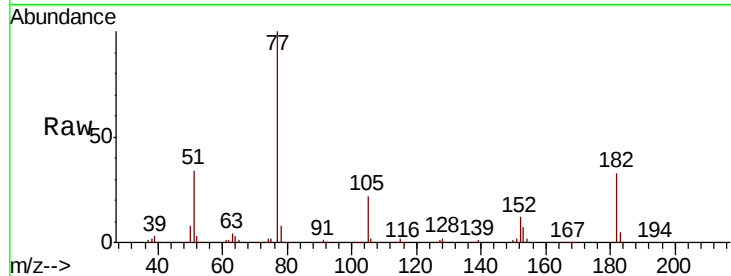
#63
Azobenzene
Concen: 46.055 ng
RT: 15.98 min Scan# 2194
Delta R.T. -0.00 min
Lab File: BG043441.D
Acq: 31 Oct 2019 19:41

Instrument :
BNA_G
ClientSampleId :
CSA-2-1-11MSD

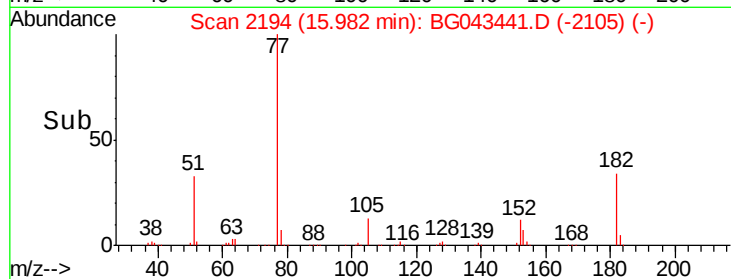
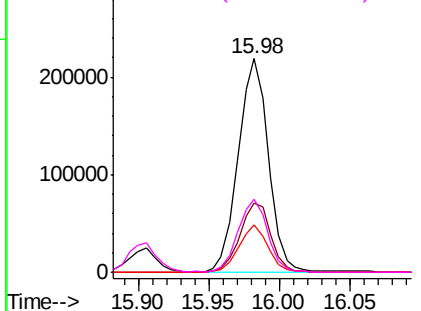
Tot Ion	Ion	Ratio	Lower	Upper
77	100			
182	32.5	14.9	54.9	
105	22.0	0.6	40.6	
51	34.2	12.5	52.5	

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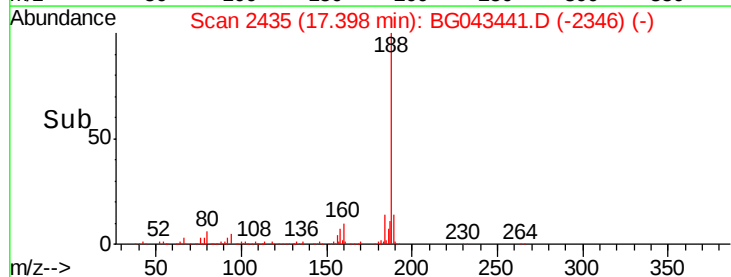
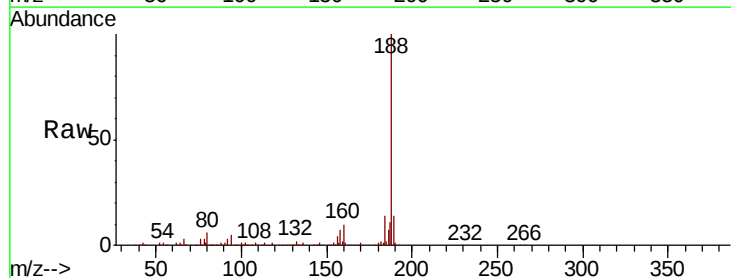
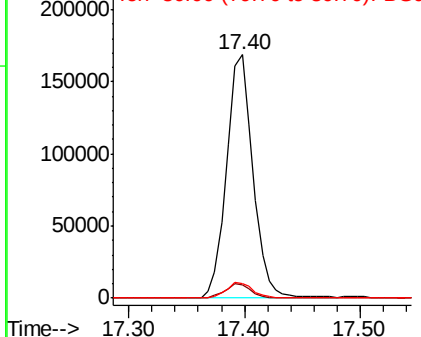
Abundance Ion 77.00 (76.70 to 77.70): BGC
Ion 182.00 (181.70 to 182.70): BGC
Ion 105.00 (104.70 to 105.70): BGC
Ion 51.00 (50.70 to 51.70): BGC

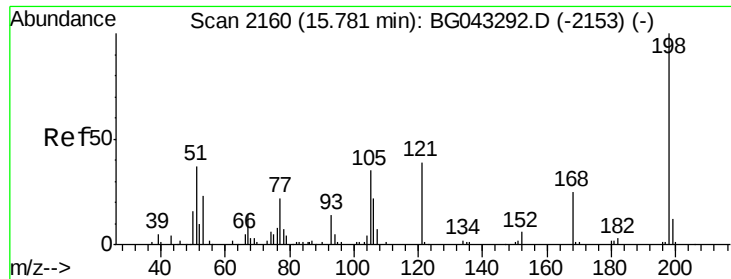


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.40 min Scan# 2435
Delta R.T. -0.00 min
Lab File: BG043441.D
Acq: 31 Oct 2019 19:41

Tgt Ion	Ion	Ratio	Lower	Upper
188	100			
94	5.4	4.2	6.2	
80	6.0	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: 47.878 ng

RT: 15.78 min Scan# 2160

Delta R.T. 0.00 min

Lab File: BG043441.D

Acq: 31 Oct 2019 19:41

Instrument :

BNA_G

ClientSampleId :

CSA-2-1-11MSD

Tot Ion:198 Resp: 75347

Ion Ratio Lower Upper

198 100

51 33.7 21.4 61.4

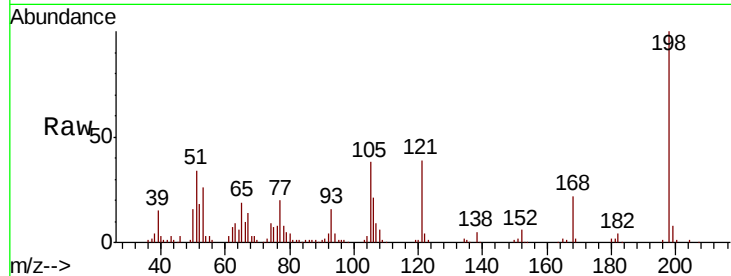
105 37.8 16.5 56.5

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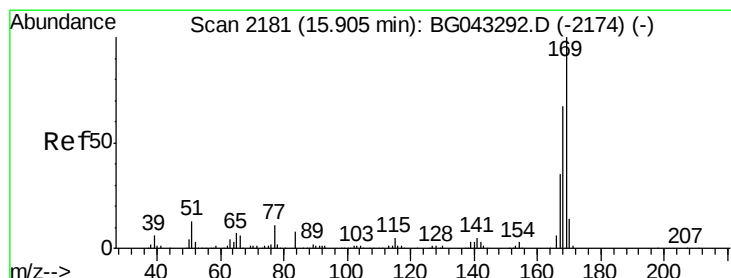
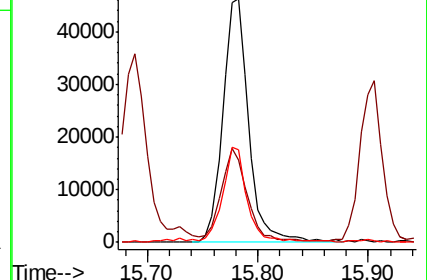
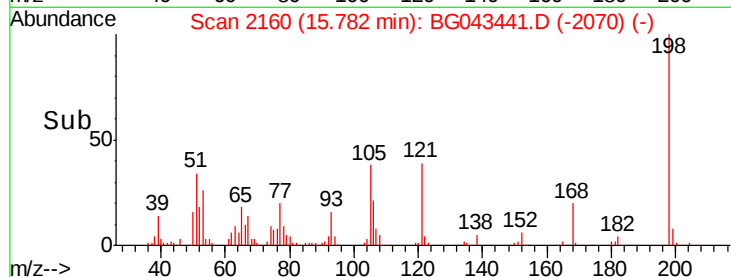
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Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG043292.D (-2153) (-)

Ion 105.00 (104.70 to 105.70): E



#66

n-Nitrosodiphenylamine

Concen: 45.780 ng

RT: 15.91 min Scan# 2181

Delta R.T. 0.00 min

Lab File: BG043441.D

Acq: 31 Oct 2019 19:41

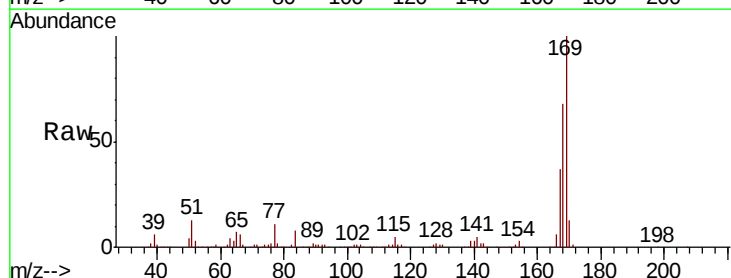
Tgt Ion:169 Resp: 345629

Ion Ratio Lower Upper

169 100

168 67.7 53.9 80.9

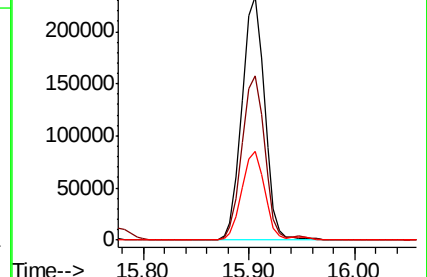
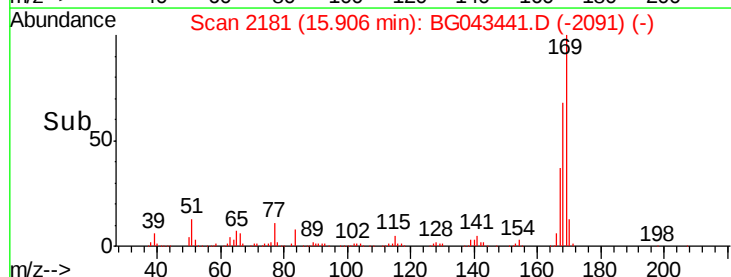
167 36.6 28.3 42.5



Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E





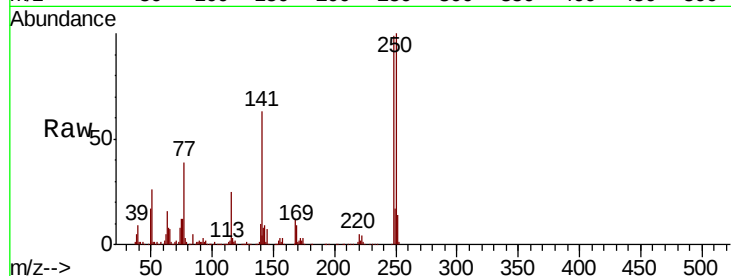
#67
4-Bromophenyl-phenylether
Concen: 44.269 ng
RT: 16.58 min Scan# 2296
Delta R.T. -0.00 min
Lab File: BG043441.D
Acq: 31 Oct 2019 19:41

Instrument :
BNA_G
ClientSampleId :
CSA-2-1-11MSD

Tot Ion	Ratio	Lower	Upper
248	100		
250	101.1	79.3	118.9
141	64.2	47.9	71.9

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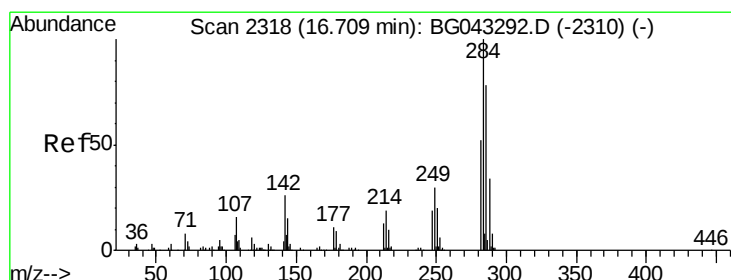
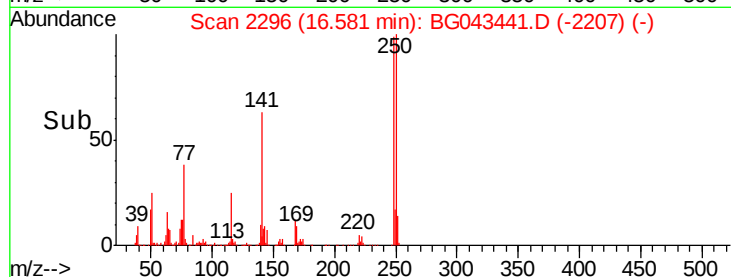
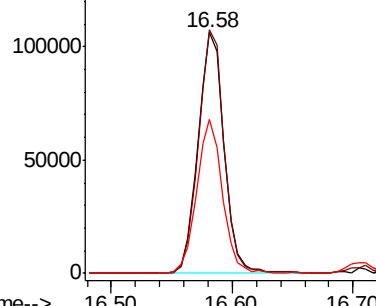


Abundance

Ion 248.00 (247.70 to 248.70): E

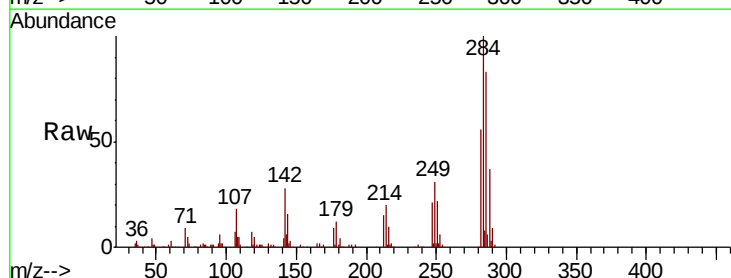
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#68
Hexachlorobenzene
Concen: 42.852 ng
RT: 16.70 min Scan# 2317
Delta R.T. -0.00 min
Lab File: BG043441.D
Acq: 31 Oct 2019 19:41

Tgt Ion	Ratio	Lower	Upper
284	100		
142	27.7	21.1	31.7
249	33.6	24.4	36.6

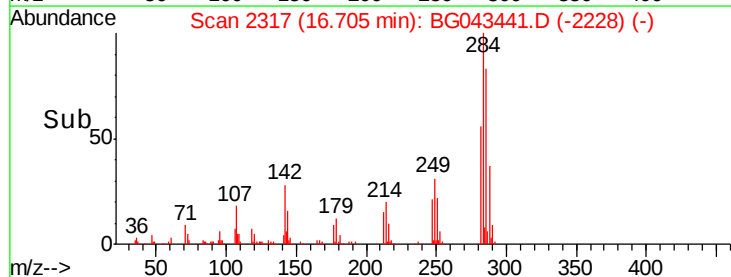
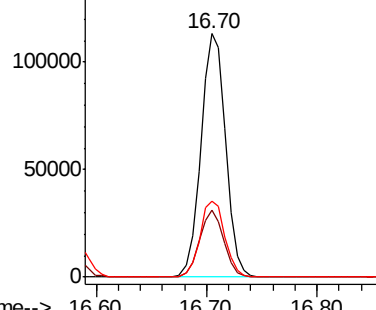


Abundance

Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E





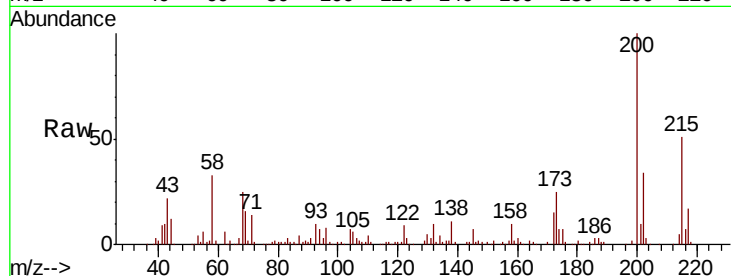
#69
Atrazine
Concen: 56.110 ng
RT: 16.85 min Scan# 2342
Delta R.T. -0.00 min
Lab File: BG043441.D
Acq: 31 Oct 2019 19:41

Instrument :
BNA_G
ClientSampleId :
CSA-2-1-11MSD

Tot Ion	Ratio	Resp	Lower	Upper
200	100	147197		
173	24.9	5.1	45.1	
215	51.4	26.6	66.6	

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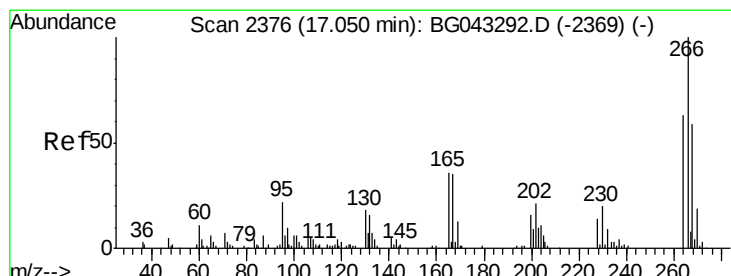
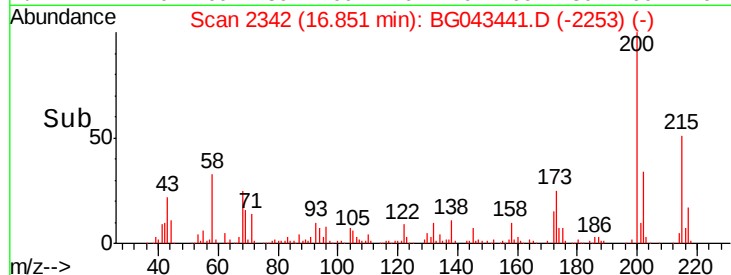
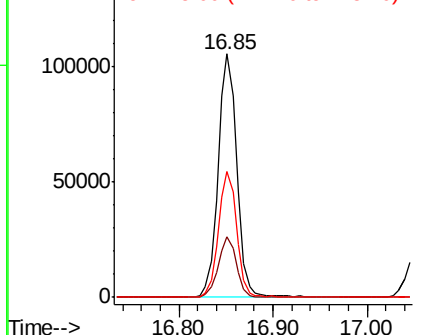


Abundance

Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E



#70
Pentachlorophenol
Concen: 102.345 ng
RT: 17.05 min Scan# 2376
Delta R.T. 0.00 min
Lab File: BG043441.D
Acq: 31 Oct 2019 19:41

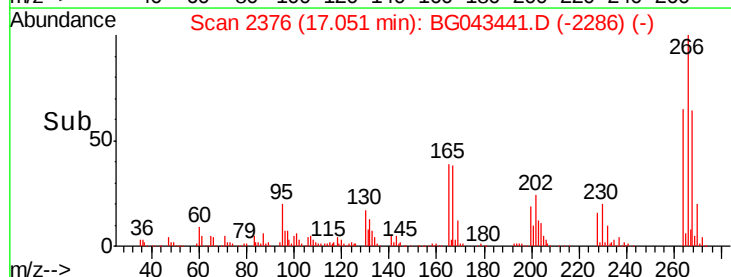
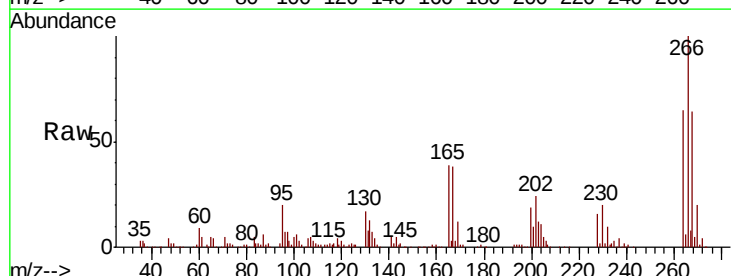
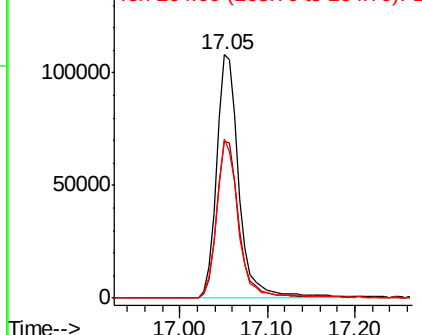
Tgt Ion	Ratio	Resp	Lower	Upper
266	100	192644		
268	64.4	47.1	70.7	
264	65.1	50.4	75.6	

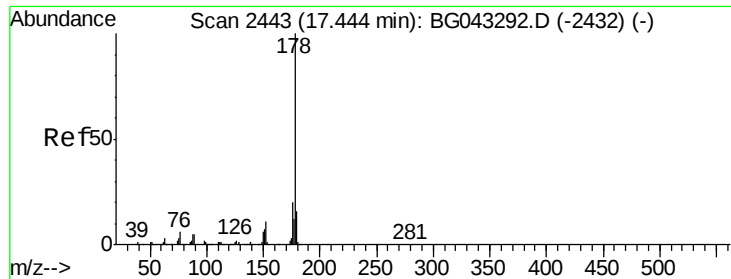
Abundance

Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E





#71

Phenanthrene

Concen: 45.322 ng

RT: 17.44 min Scan# 2442

Delta R.T. -0.00 min

Lab File: BG043441.D

Acq: 31 Oct 2019 19:41

Instrument :

BNA_G

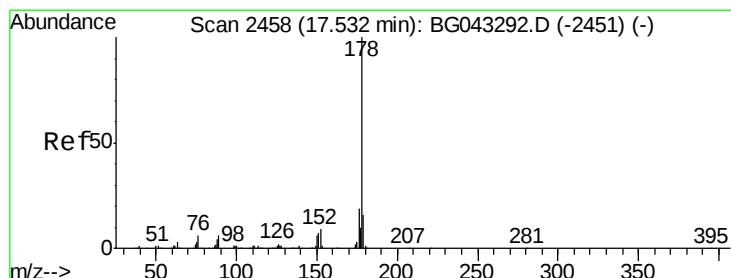
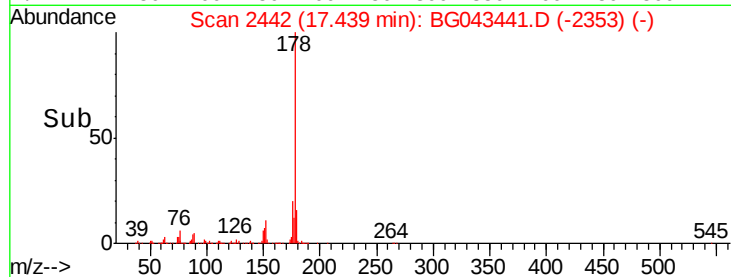
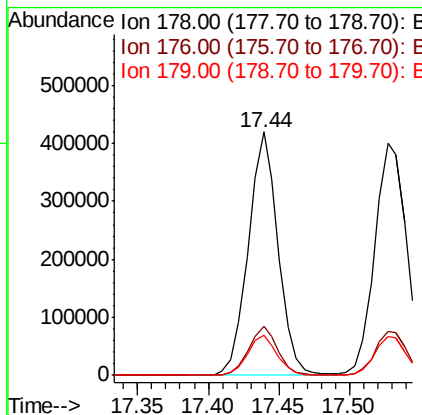
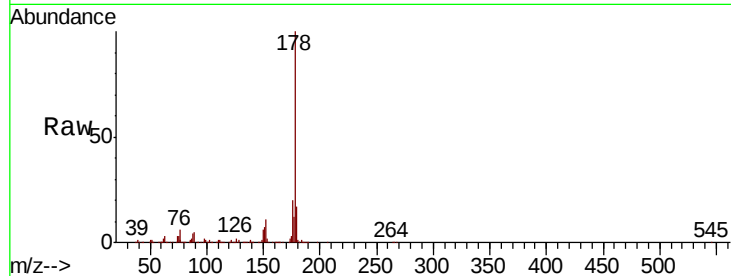
ClientSampleId :

CSA-2-1-11MSD

Tot Ion:	178	Resp:	620616
Ion Ratio	Lower	Upper	
178	100		
176	20.2	15.8	23.8
179	16.5	13.1	19.7

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#72

Anthracene

Concen: 46.868 ng

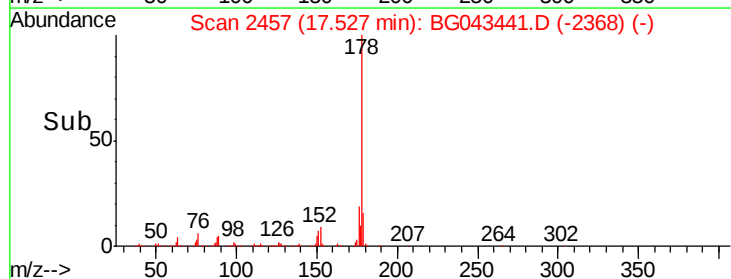
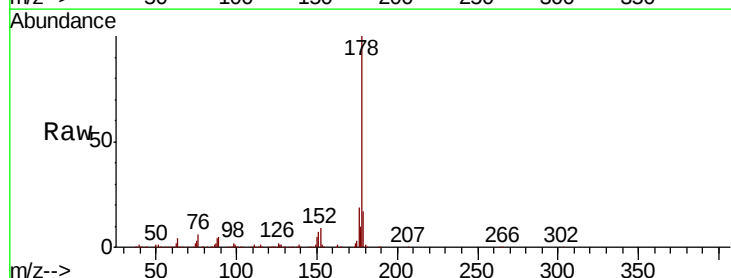
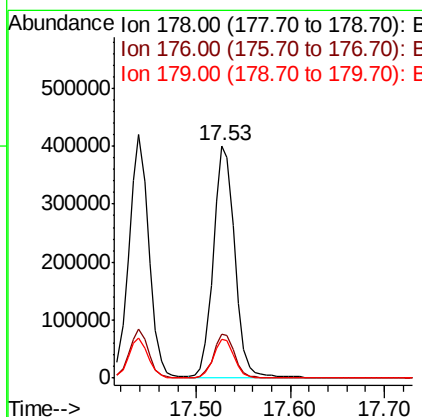
RT: 17.53 min Scan# 2457

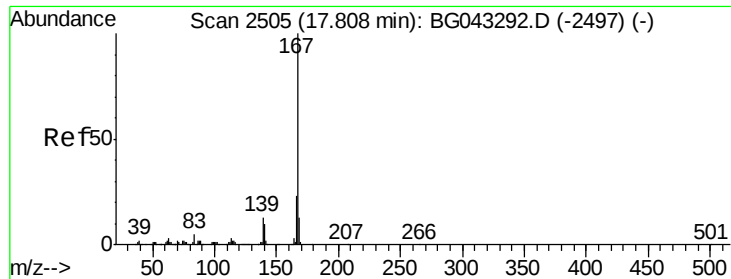
Delta R.T. -0.00 min

Lab File: BG043441.D

Acq: 31 Oct 2019 19:41

Tgt Ion:	178	Resp:	642120
Ion Ratio	Lower	Upper	
178	100		
176	18.7	15.1	22.7
179	16.6	13.0	19.6





#73

Carbazole

Concen: 45.554 ng

RT: 17.80 min Scan# 2504

Delta R.T. -0.00 min

Lab File: BG043441.D

Acq: 31 Oct 2019 19:41

Instrument :

BNA_G

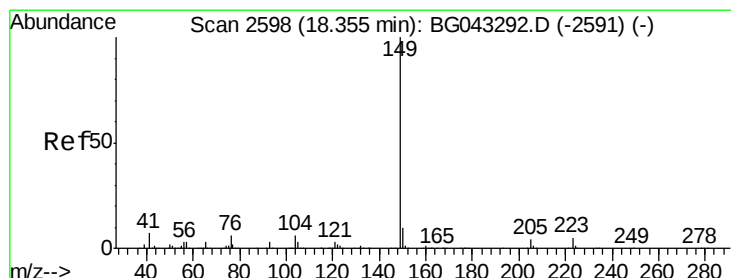
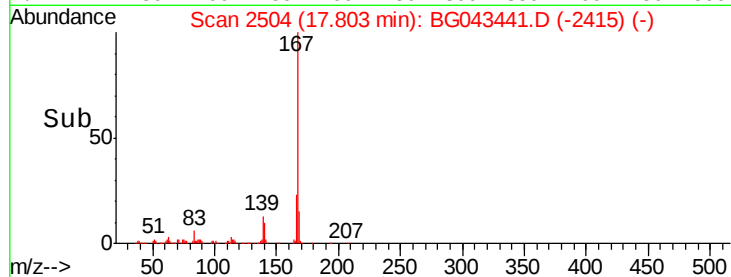
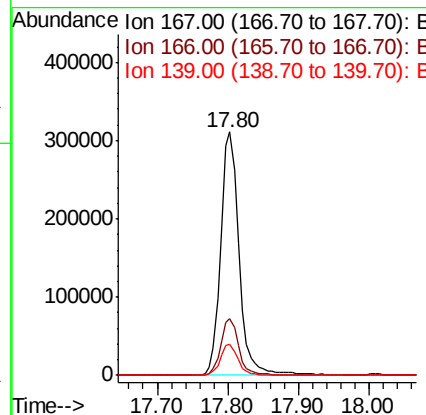
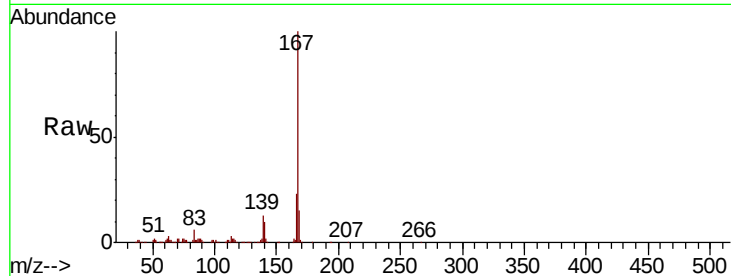
ClientSampleId :

CSA-2-1-11MSD

Tot Ion:	167	Resp:	565181
Ion Ratio	Lower	Upper	
167	100		
166	23.1	18.4	27.6
139	12.8	10.2	15.4

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#74

Di-n-butylphthalate

Concen: 44.317 ng

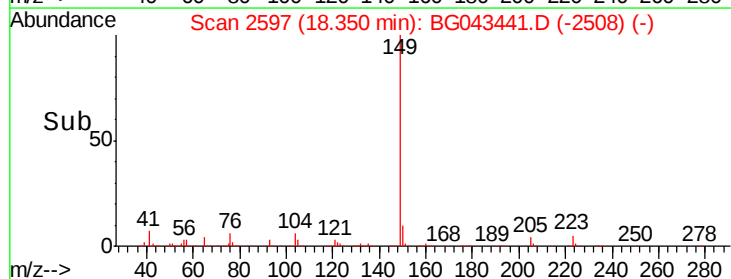
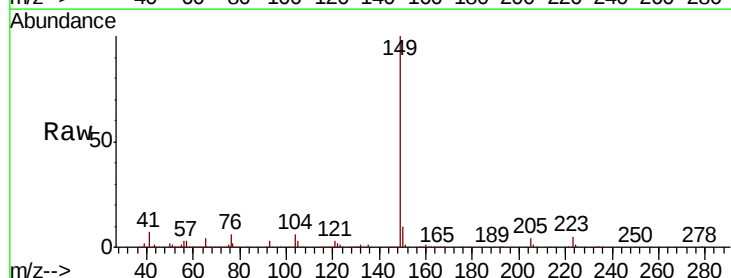
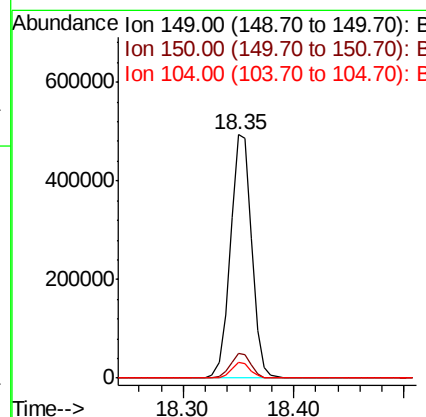
RT: 18.35 min Scan# 2597

Delta R.T. -0.00 min

Lab File: BG043441.D

Acq: 31 Oct 2019 19:41

Tgt Ion:	149	Resp:	667148
Ion Ratio	Lower	Upper	
149	100		
150	9.9	8.0	12.0
104	6.4	4.7	7.1





#75

Fluoranthene

Concen: 46.533 ng

RT: 19.45 min Scan# 2784

Delta R.T. -0.00 min

Lab File: BG043441.D

Acq: 31 Oct 2019 19:41

Instrument :

BNA_G

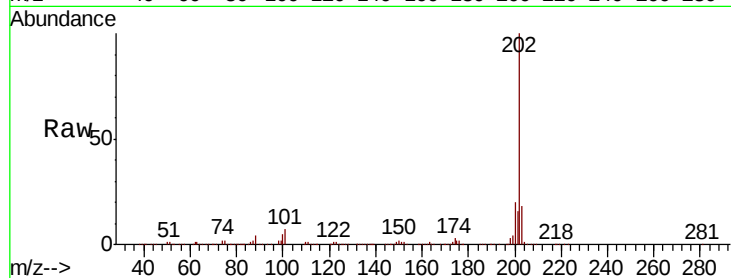
ClientSampleId :

CSA-2-1-11MSD

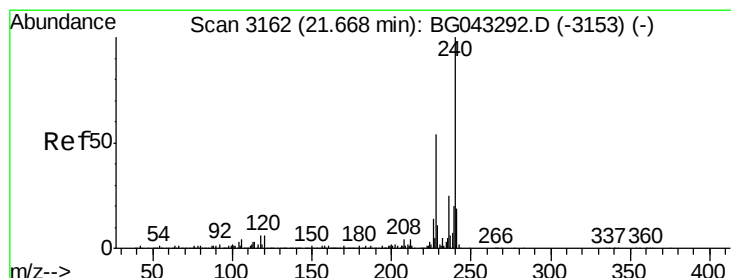
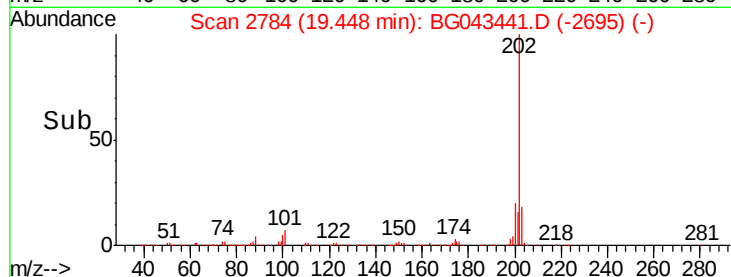
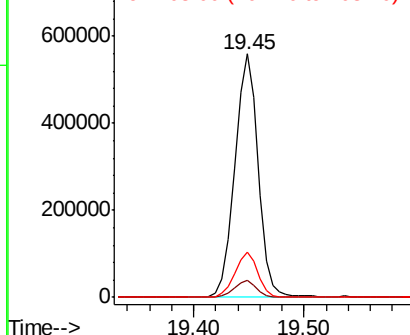
Tot Ion:	202	Resp:	830701
Ion Ratio	Lower	Upper	
202	100		
101	6.8	0.0	26.0
203	18.4	0.0	38.2

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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

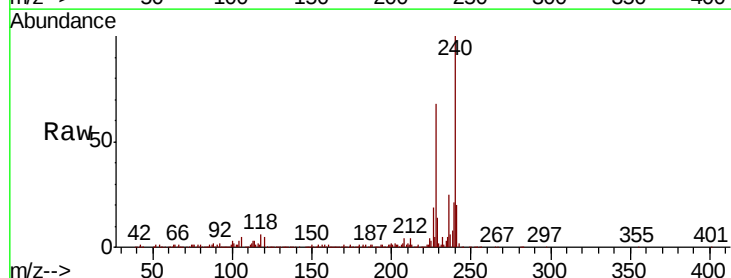
RT: 21.66 min Scan# 3161

Delta R.T. -0.00 min

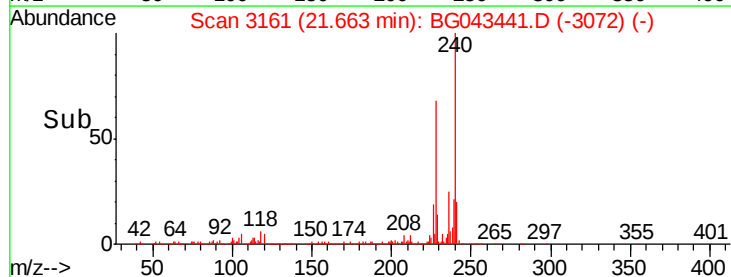
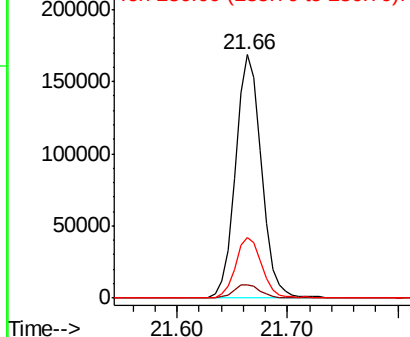
Lab File: BG043441.D

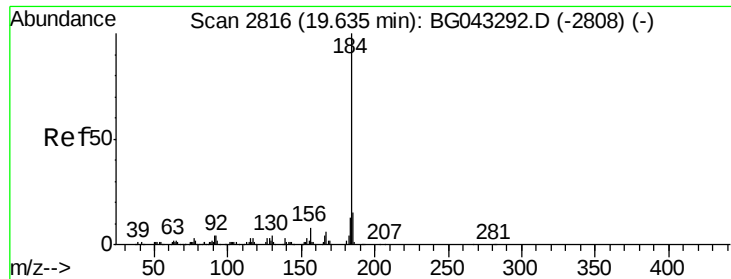
Acq: 31 Oct 2019 19:41

Tgt Ion:	240	Resp:	279179
Ion Ratio	Lower	Upper	
240	100		
120	5.5	4.6	7.0
236	24.9	20.2	30.4



Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 70.665 ng

RT: 19.63 min Scan# 2815

Delta R.T. -0.00 min

Lab File: BG043441.D

Acq: 31 Oct 2019 19:41

Instrument :

BNA_G

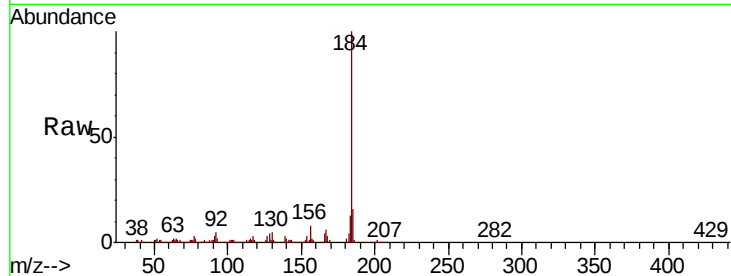
ClientSampleId :

CSA-2-1-11MSD

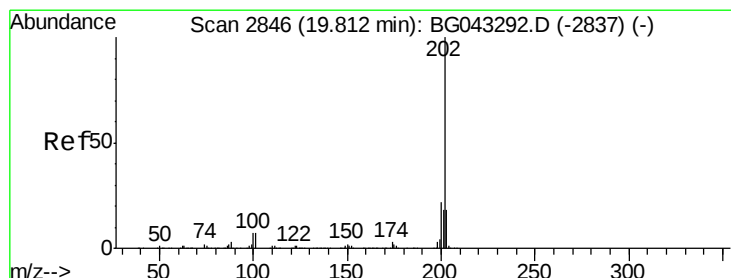
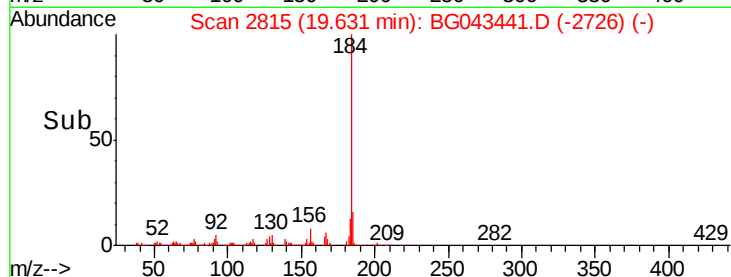
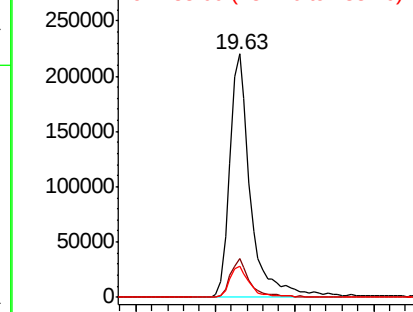
Tot Ion:	184	Resp:	397034
Ion Ratio	Lower	Upper	
184	100		
185	16.2	11.8	17.6
183	13.0	10.6	16.0

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Abundance Ion 184.00 (183.70 to 184.70): E
Ion 185.00 (184.70 to 185.70): E
Ion 183.00 (182.70 to 183.70): E



#78

Pyrene

Concen: 48.191 ng

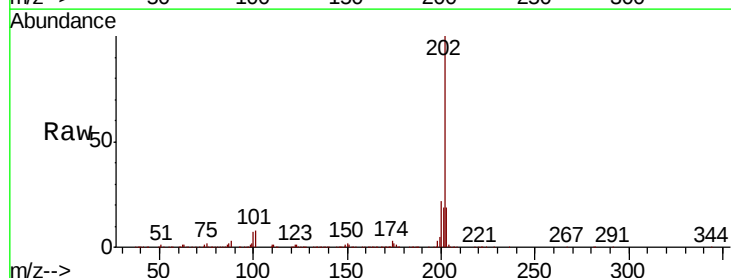
RT: 19.81 min Scan# 2845

Delta R.T. -0.00 min

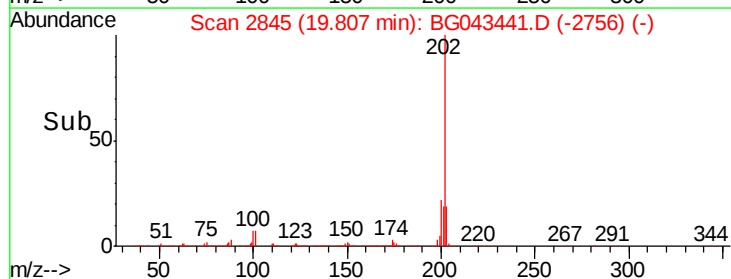
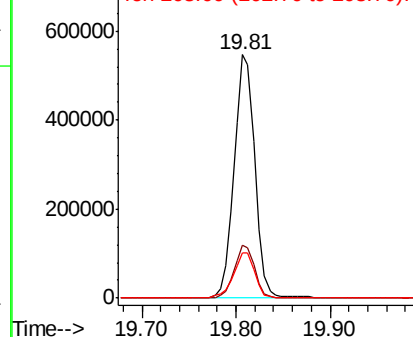
Lab File: BG043441.D

Acq: 31 Oct 2019 19:41

Tgt Ion:	202	Resp:	832786
Ion Ratio	Lower	Upper	
202	100		
200	21.7	17.3	25.9
203	18.5	14.5	21.7



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E





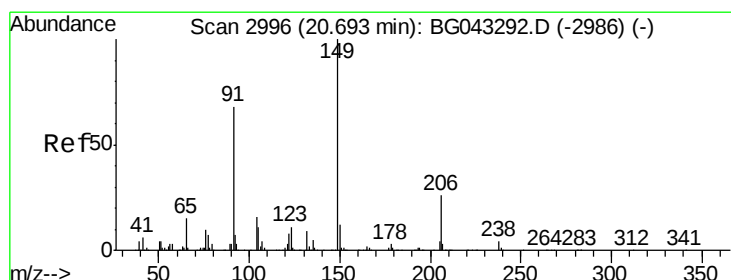
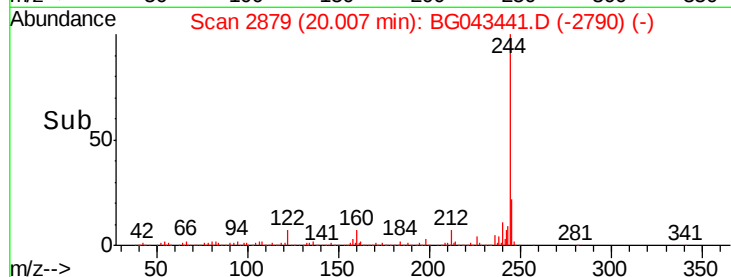
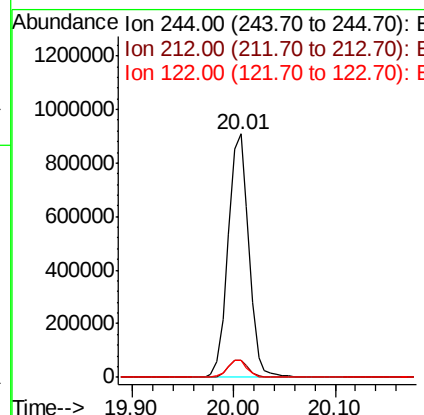
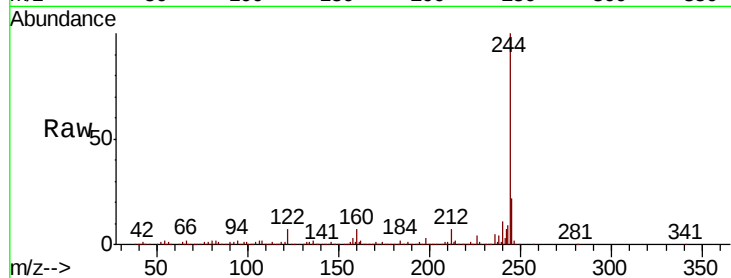
#79
 Terphenyl-d14
 Concen: 86.501 ng
 RT: 20.01 min Scan# 2879
 Delta R.T. -0.00 min
 Lab File: BG043441.D
 Acq: 31 Oct 2019 19:41

Instrument :
 BNA_G
 ClientSampleId :
 CSA-2-1-11MSD

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.1	6.4	9.6
122	6.9	5.3	7.9

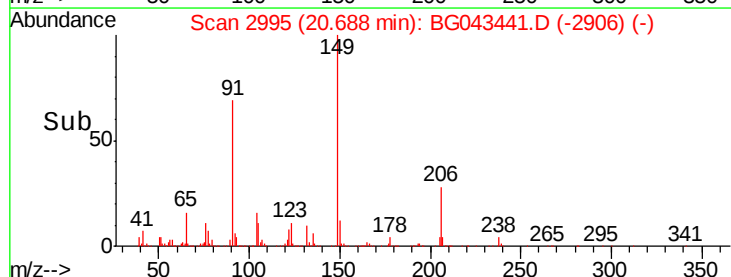
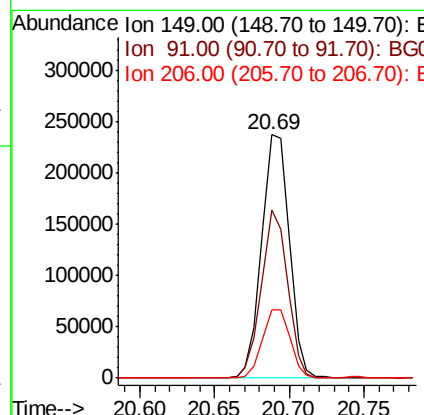
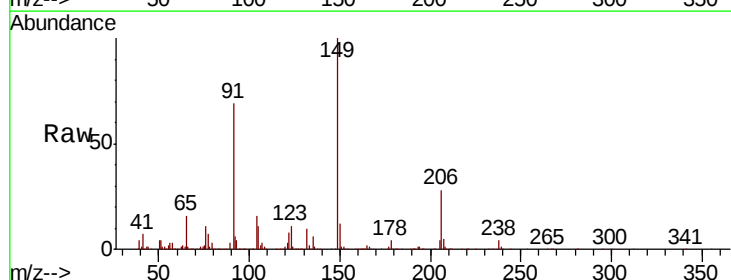
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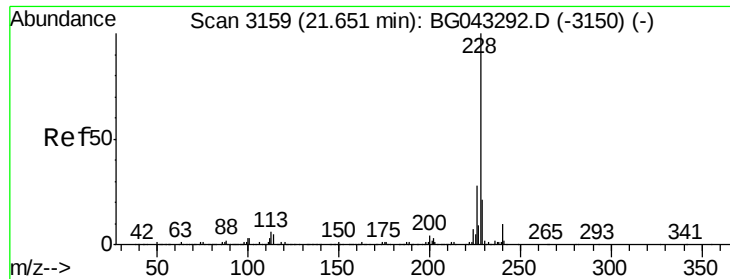
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#80
 Butylbenzylphthalate
 Concen: 46.277 ng
 RT: 20.69 min Scan# 2995
 Delta R.T. -0.00 min
 Lab File: BG043441.D
 Acq: 31 Oct 2019 19:41

Tgt Ion	Ratio	Lower	Upper
149	100		
91	69.3	54.6	82.0
206	28.2	20.5	30.7





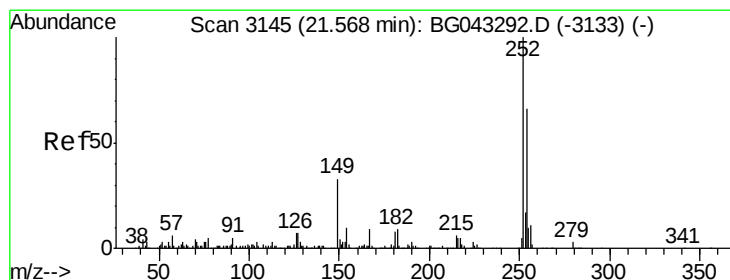
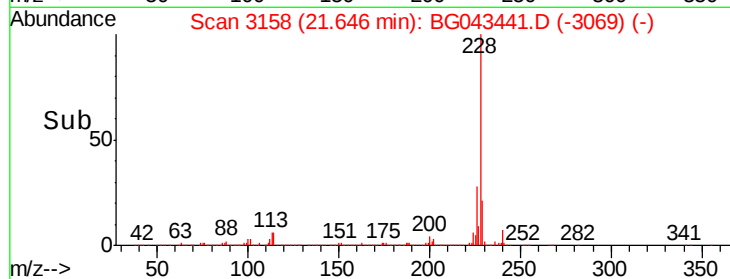
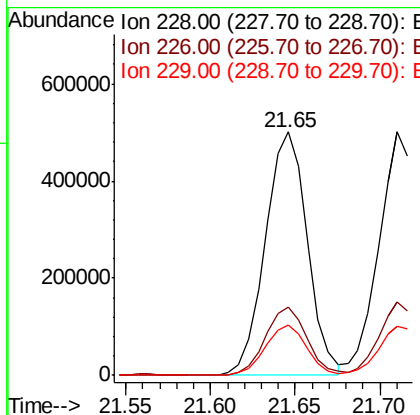
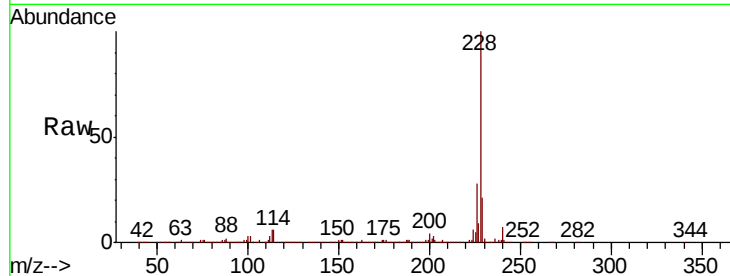
#81
Benzo(a)anthracene
Concen: 48.916 ng
RT: 21.65 min Scan# 3158
Delta R.T. -0.00 min
Lab File: BG043441.D
Acq: 31 Oct 2019 19:41

Instrument :
BNA_G
ClientSampleId :
CSA-2-1-11MSD

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.2	22.2	33.4
229	20.6	16.9	25.3

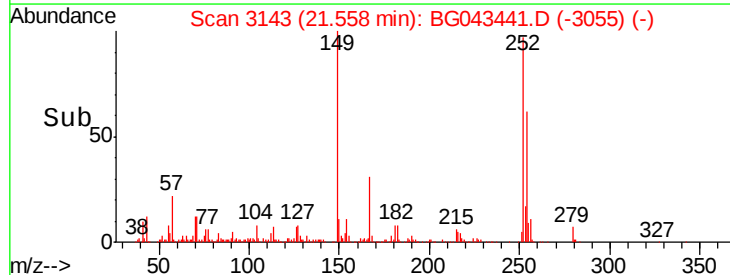
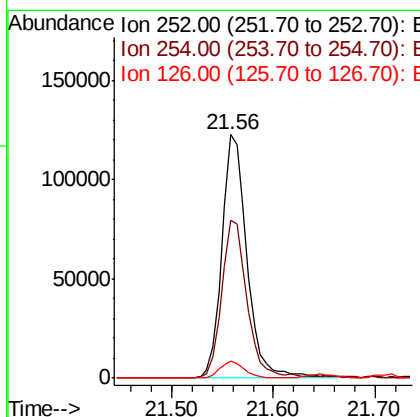
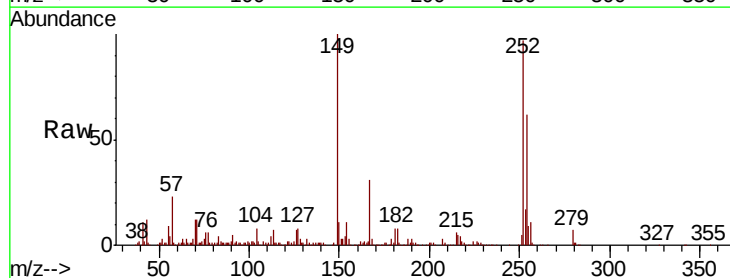
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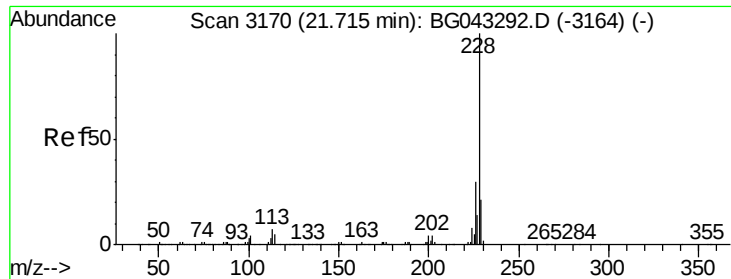
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#82
3,3'-Dichlorobenzidine
Concen: 31.172 ng
RT: 21.56 min Scan# 3143
Delta R.T. -0.01 min
Lab File: BG043441.D
Acq: 31 Oct 2019 19:41

Tgt Ion	Ratio	Lower	Upper
252	100		
254	64.6	52.7	79.1
126	6.9	5.6	8.4





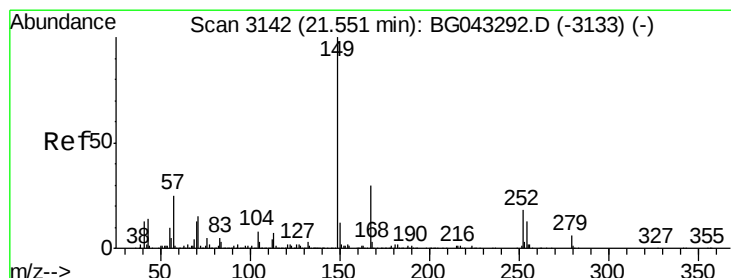
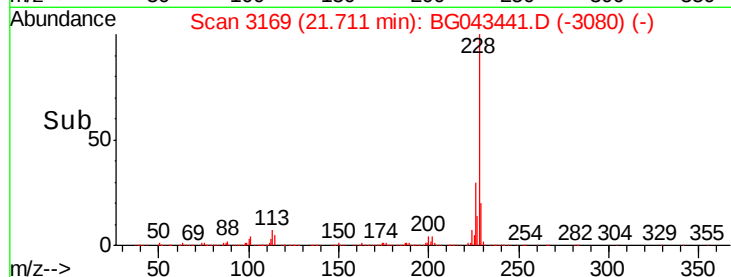
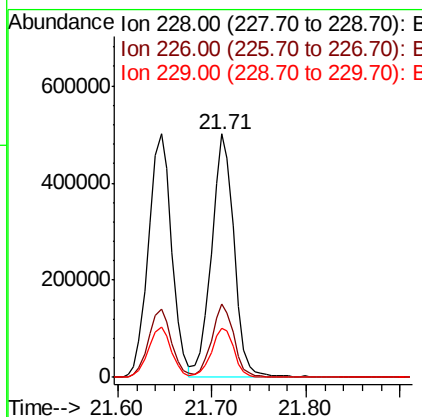
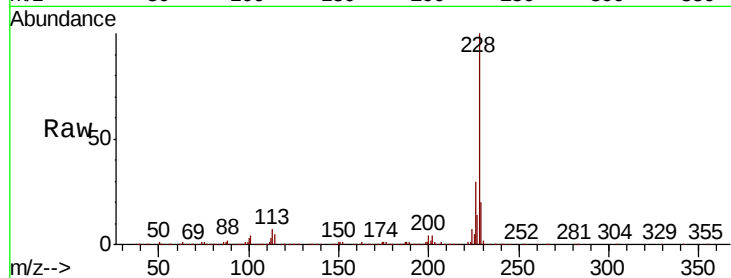
#83
Chrysene
Concen: 48.238 ng
RT: 21.71 min Scan# 3169
Delta R.T. -0.00 min
Lab File: BG043441.D
Acq: 31 Oct 2019 19:41

Instrument :
BNA_G
ClientSampleId :
CSA-2-1-11MSD

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.3	23.8	35.8
229	20.3	16.3	24.5

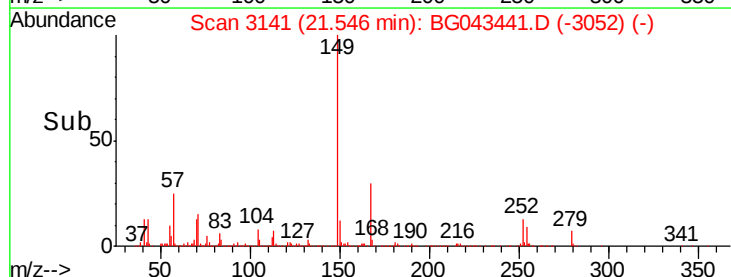
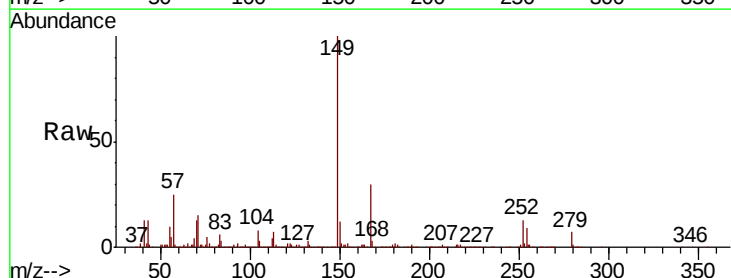
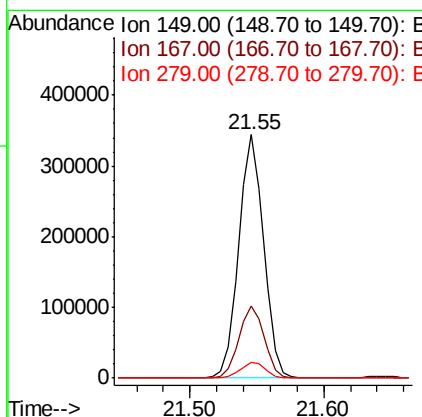
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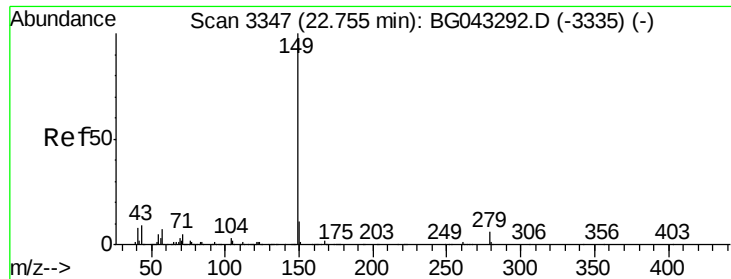
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#84
Bis(2-ethylhexyl)phthalate
Concen: 47.733 ng
RT: 21.55 min Scan# 3141
Delta R.T. -0.00 min
Lab File: BG043441.D
Acq: 31 Oct 2019 19:41

Tgt Ion	Ratio	Lower	Upper
149	100		
167	29.6	23.9	35.9
279	6.6	4.8	7.2





#85

Di-n-octyl phthalate

Concen: 48.358 ng

RT: 22.74 min Scan# 3345

Delta R.T. -0.01 min

Lab File: BG043441.D

Acq: 31 Oct 2019 19:41

Instrument :

BNA_G

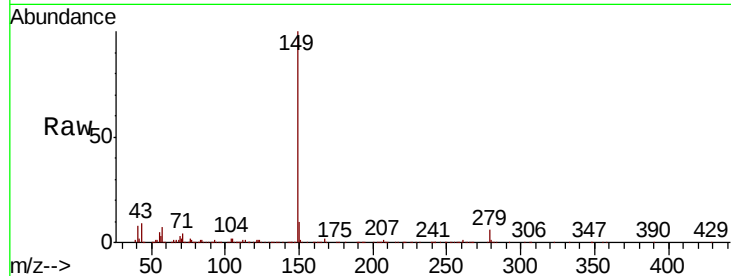
ClientSampleId :

CSA-2-1-11MSD

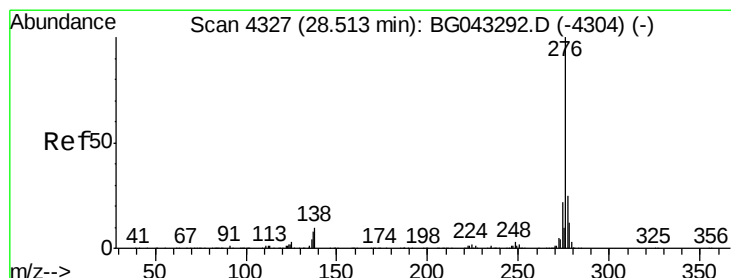
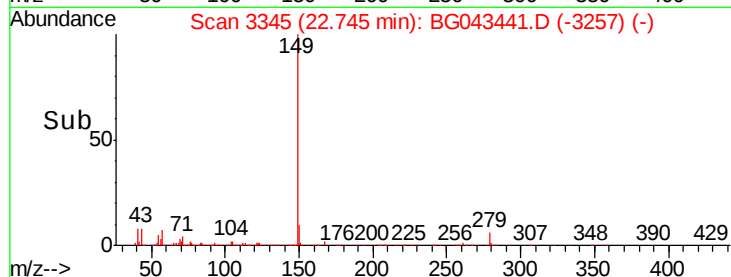
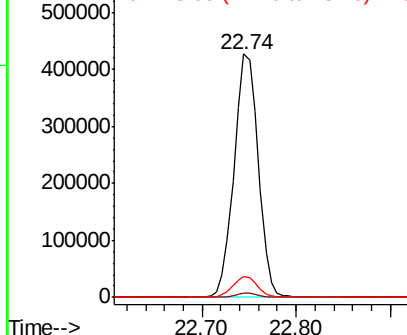
Tot Ion:	149	Resp:	763015
Ion Ratio	Lower	Upper	
149	100		
167	1.8	1.4	2.0
43	8.3	6.9	10.3

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



#86

Indeno(1,2,3-cd)pyrene

Concen: 50.158 ng

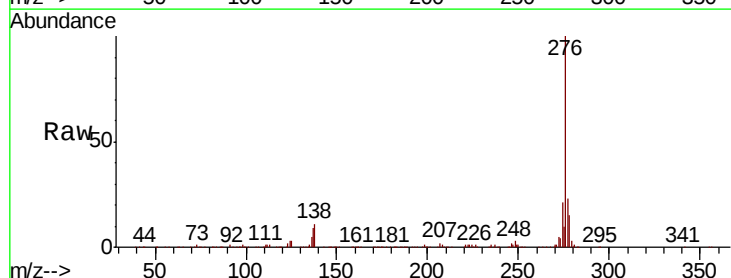
RT: 28.51 min Scan# 4326

Delta R.T. -0.00 min

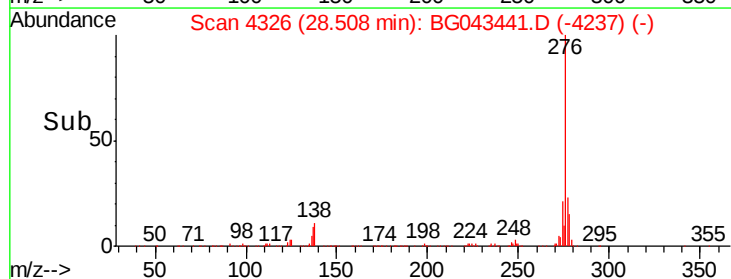
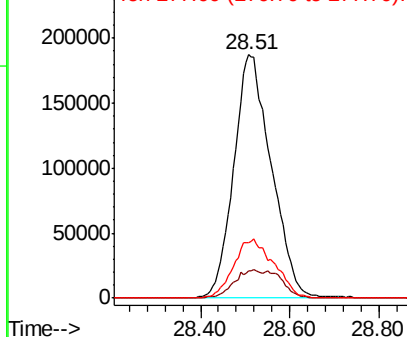
Lab File: BG043441.D

Acq: 31 Oct 2019 19:41

Tgt Ion:	276	Resp:	1093960
Ion Ratio	Lower	Upper	
276	100		
138	8.4	7.2	10.8
277	26.1	20.9	31.3



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





#87

Pervlene-d12

Concen: 20.000 ng

RT: 24.86 min Scan# 3705

Delta R.T. -0.01 min

Lab File: BG043441.D

Acq: 31 Oct 2019 19:41

Instrument :

BNA_G

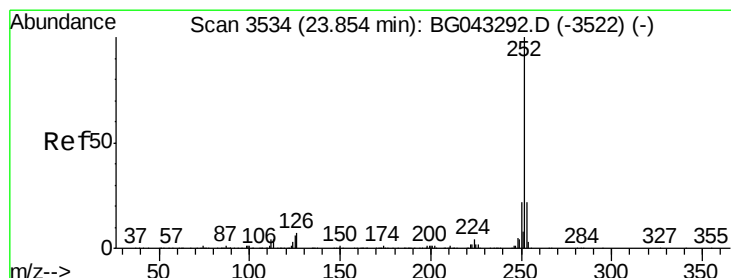
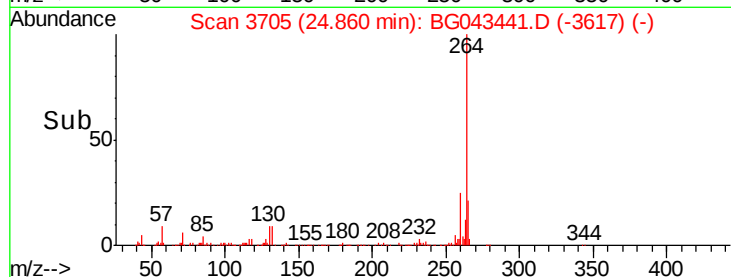
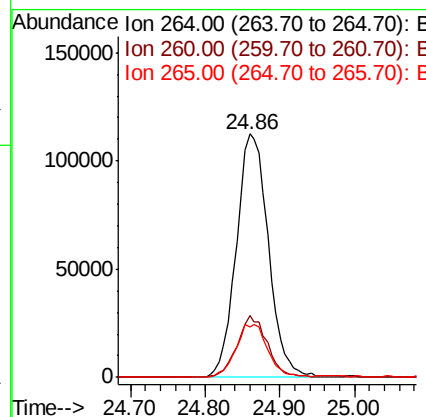
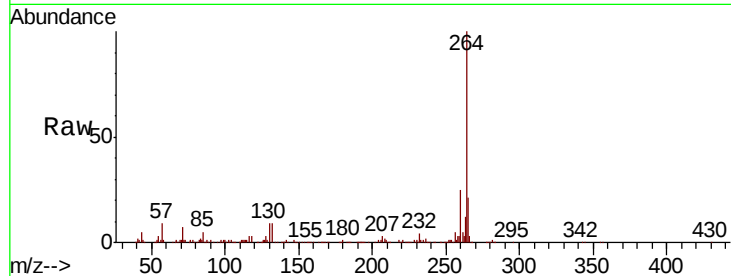
ClientSampleId :

CSA-2-1-11MSD

Tot Ion:	264	Resp:	336274
Ion Ratio		Lower	Upper
264	100		
260	25.4	17.9	26.9
265	20.9	17.4	26.2

Manual Integrations
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#88

Benzo(b)fluoranthene

Concen: 48.960 ng

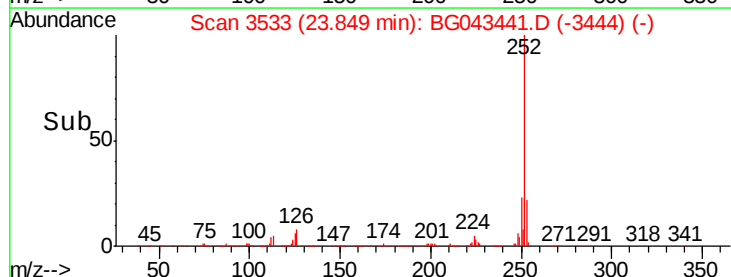
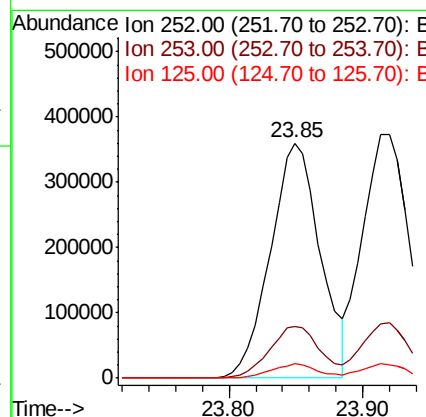
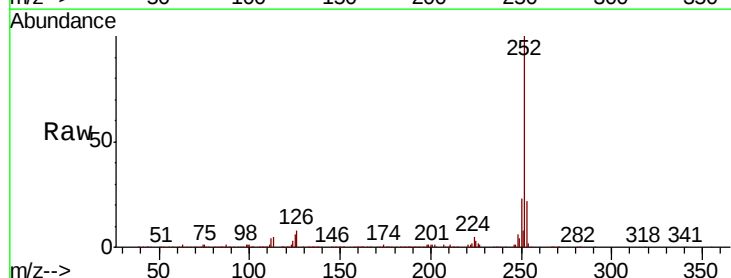
RT: 23.85 min Scan# 3533

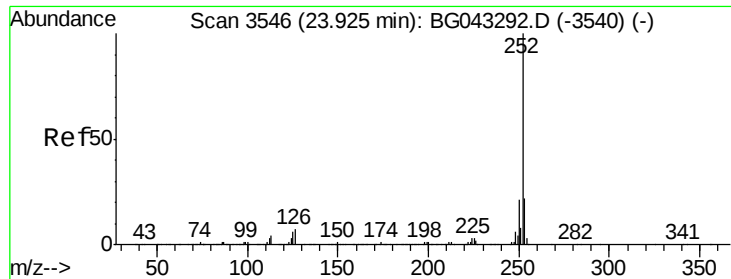
Delta R.T. -0.00 min

Lab File: BG043441.D

Acq: 31 Oct 2019 19:41

Tgt Ion:	252	Resp:	932473
Ion Ratio		Lower	Upper
252	100		
253	22.1	17.4	26.2
125	6.1	5.0	7.6





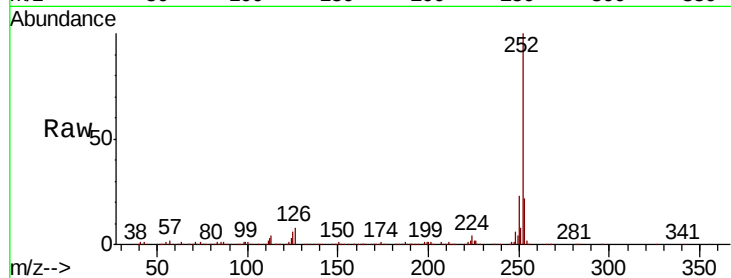
#89
Benzo(k)fluoranthene
Concen: 47.150 ng
RT: 23.91 min Scan# 3544
Delta R.T. -0.01 min
Lab File: BG043441.D
Acq: 31 Oct 2019 19:41

Instrument :
BNA_G
ClientSampleId :
CSA-2-1-11MSD

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.6	26.4
125	5.8	4.5	6.7

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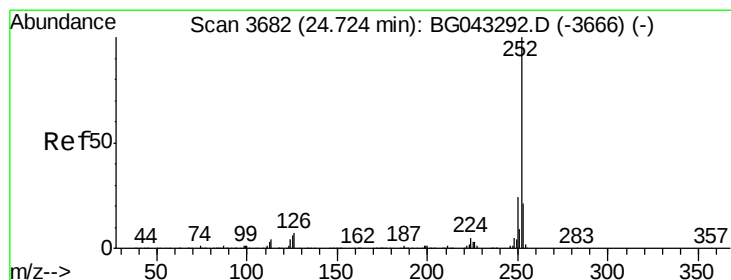
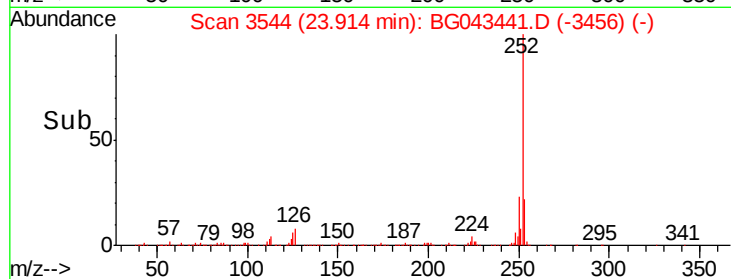
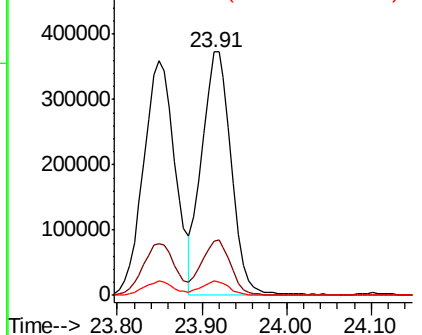


Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90
Benzo(a)pyrene
Concen: 46.396 ng
RT: 24.71 min Scan# 3680
Delta R.T. -0.01 min
Lab File: BG043441.D
Acq: 31 Oct 2019 19:41

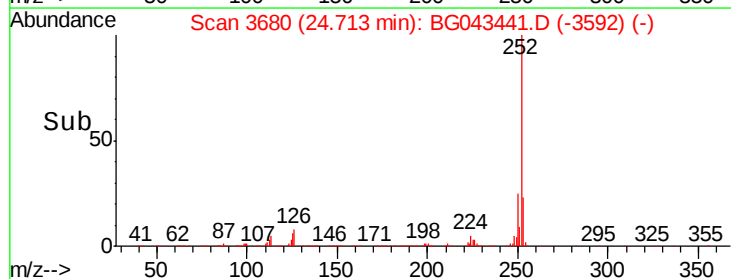
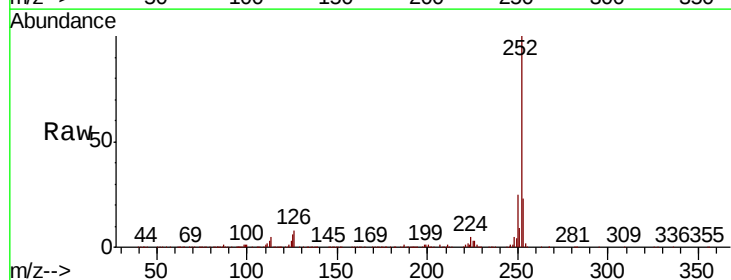
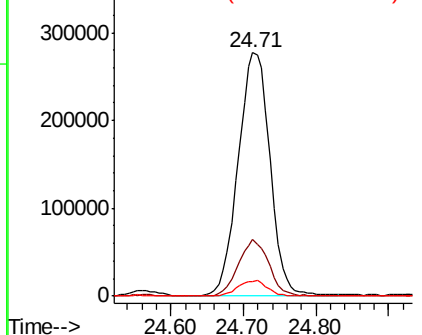
Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.2	25.8
125	6.0	5.0	7.6

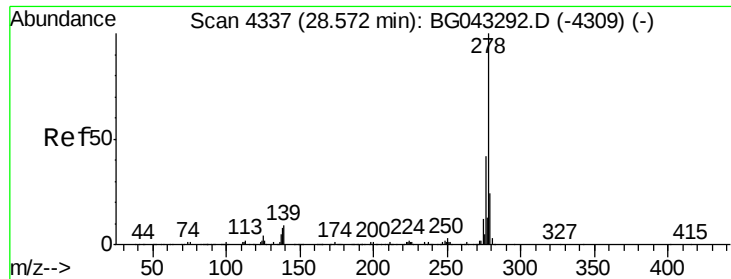
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Dibenzo(a,h)anthracene

Concen: 49.469 ng

RT: 28.57 min Scan# 4337

Delta R.T. 0.00 min

Lab File: BG043441.D

Acq: 31 Oct 2019 19:41

Instrument :

BNA_G

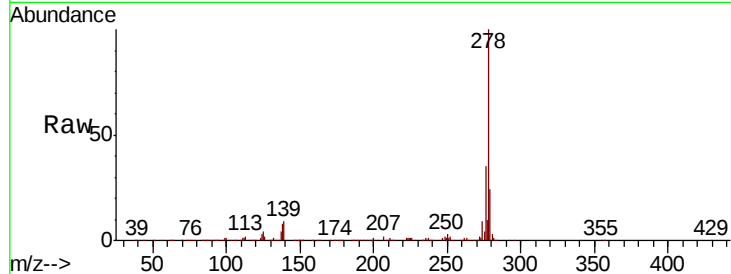
ClientSampleId :

CSA-2-1-11MSD

Tot Ion:	278	Resp:	920261
Ion Ratio	Lower	Upper	
278	100		
139	8.6	6.8	10.2
279	24.0	19.0	28.6

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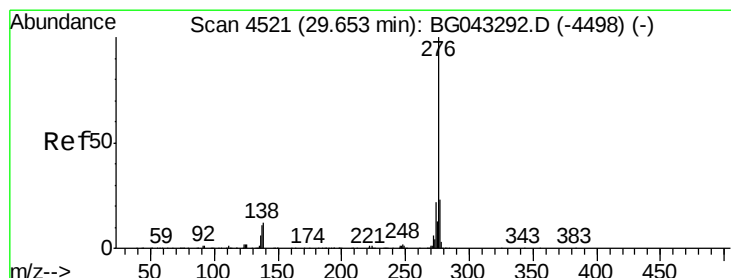
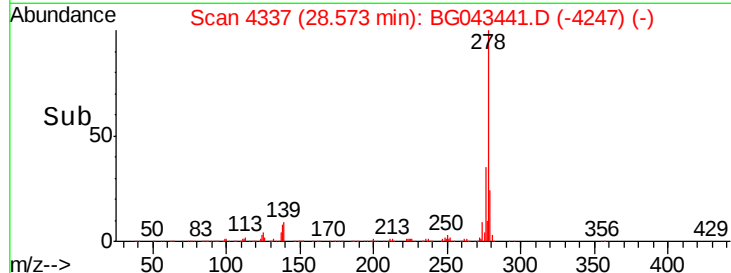
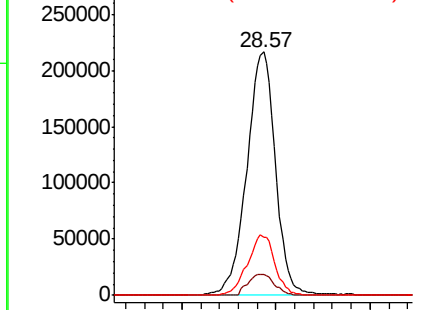


Abundance

Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#92

Benzo(g,h,i)perylene

Concen: 50.064 ng

RT: 29.65 min Scan# 4520

Delta R.T. -0.00 min

Lab File: BG043441.D

Acq: 31 Oct 2019 19:41

Tgt Ion:	276	Resp:	918668
Ion Ratio	Lower	Upper	
276	100		
277	23.9	18.3	27.5
138	11.6	9.3	13.9

Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

