

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG040121\
 Data File : BG048560.D
 Acq On : 2 Apr 2021 1:52
 Operator : CG/JU
 Sample : M1883-01
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 IEC-R2

Quant Time: Apr 02 03:06:27 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG033021.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 01 11:19:59 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

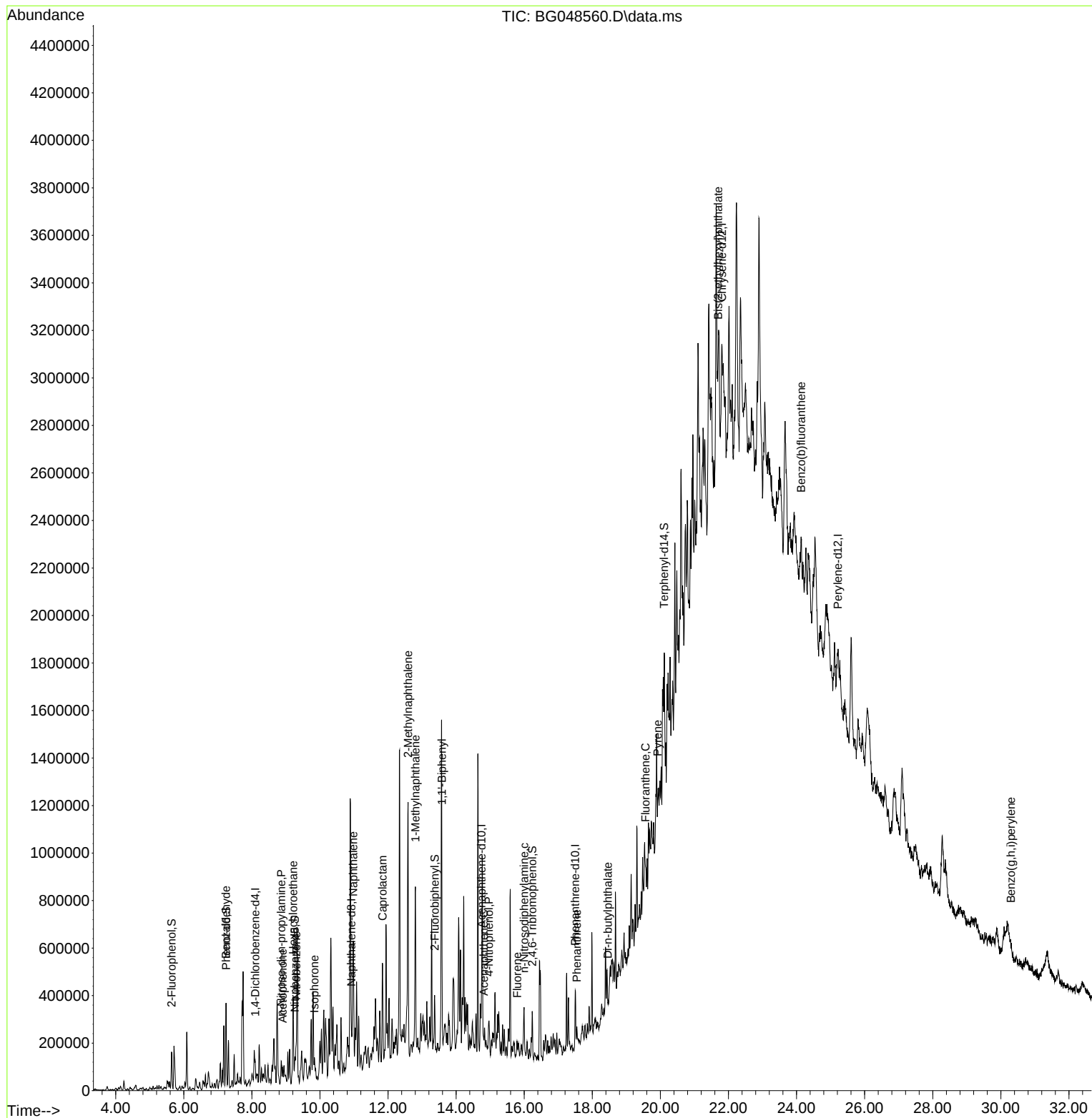
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.098	152	25267	20.00	ng	# 0.00
21) Naphthalene-d8	10.924	136	96229	20.00	ng	# 0.00
39) Acenaphthene-d10	14.749	164	66303	20.00	ng	0.00
64) Phenanthrene-d10	17.499	188	143300	20.00	ng	# 0.00
76) Chrysene-d12	21.811	240	153834	20.00	ng	# 0.00
86) Perylene-d12	25.213	264	154521	20.00	ng	0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.642	112	57586	40.24	ng	0.00
7) Phenol-d6	7.246	99	68766	33.13	ng	0.00
23) Nitrobenzene-d5	9.267	82	51828	26.08	ng	0.00
42) 2,4,6-Tribromophenol	16.235	330	31962	36.67	ng	-0.01
45) 2-Fluorobiphenyl	13.368	172	112125	25.14	ng	-0.01
79) Terphenyl-d14	20.113	244	182462	21.69	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	7.240	77	10405	7.84	ng	# 1
18) Hexachloroethane	9.214	117	29478	43.18	ng	# 1
19) n-Nitroso-di-n-propyla...	8.868	70	3961	2.77	ng	# 52
22) Acetophenone	8.903	105	40406	16.29	ng	# 52
24) Nitrobenzene	9.302	77	6147	3.15	ng	# 27
25) Isophorone	9.837	82	9729	2.65	ng	# 1
31) Naphthalene	10.977	128	263858	53.33	ng	# 95
35) Caprolactam	11.841	113	5023	8.62	ng	# 1
37) 2-Methylnaphthalene	12.587	142	524814	133.24	ng	96
38) 1-Methylnaphthalene	12.804	142	314930	83.84	ng	98
46) 1,1'-Biphenyl	13.580	154	32668	6.74	ng	91
52) Acenaphthene	14.814	154	8929	2.13	ng	# 81
56) 4-Nitrophenol	14.961	139	8285	9.30	ng	# 37
58) Fluorene	15.795	166	19187	3.75	ng	# 77
66) n-Nitrosodiphenylamine	16.000	169	17625	4.32	ng	# 59
71) Phenanthrene	17.546	178	38920	5.23	ng	97
74) Di-n-butylphthalate	18.456	149	17857	2.27	ng	# 86
75) Fluoranthene	19.561	202	29131	3.16	ng	90
78) Pyrene	19.919	202	54165	5.12	ng	# 88
84) Bis(2-ethylhexyl)phtha...	21.694	149	54157	9.90	ng	# 77
88) Benzo(b)fluoranthene	24.132	252	20294	2.02	ng	# 1
92) Benzo(g,h,i)perylene	30.296	276	23303	2.57	ng	# 79

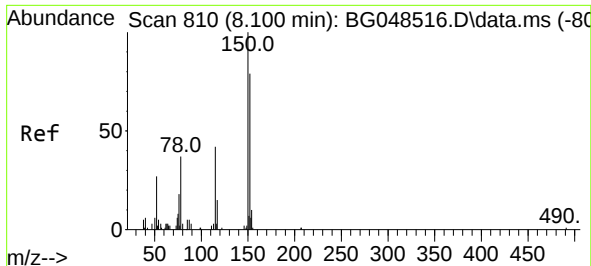
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Apr 02 03:06:27 2021
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Response via : Initial Calibration

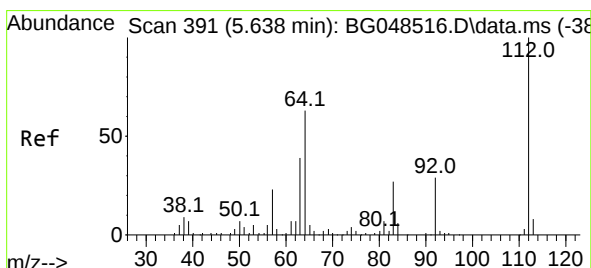
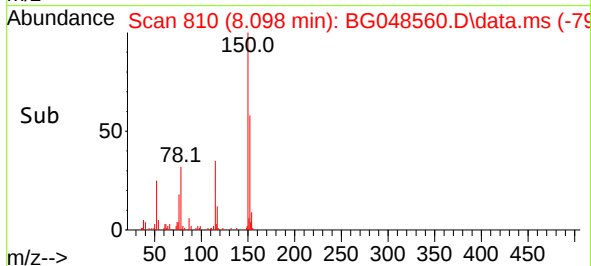
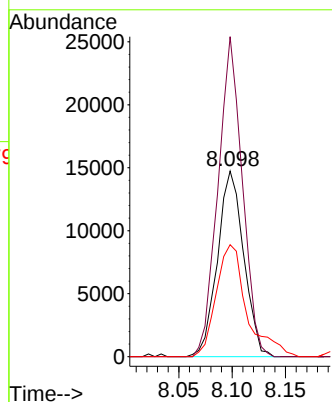
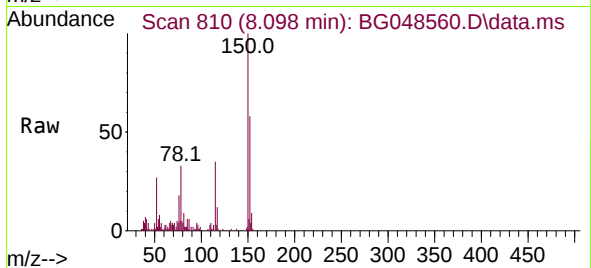




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.098 min Scan# 810
Delta R.T. -0.006 min
Lab File: BG048560.D
Acq: 2 Apr 2021 1:52

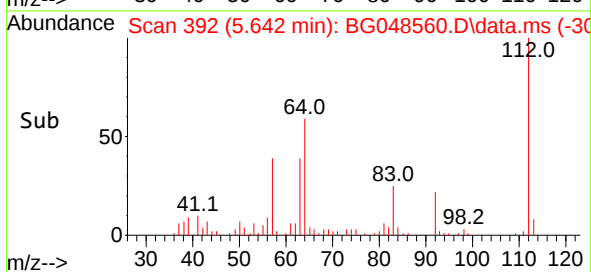
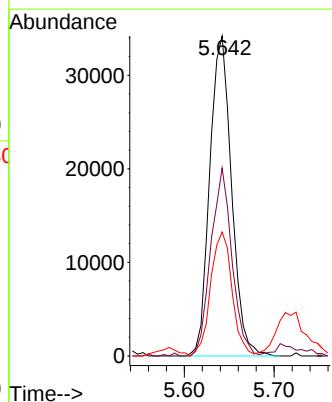
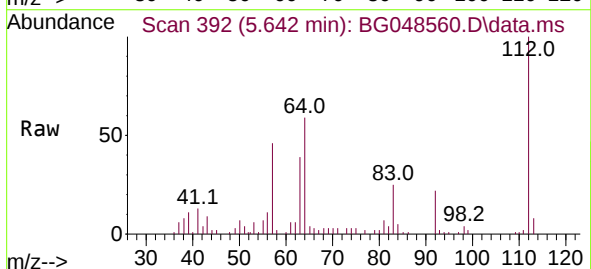
Instrument :
BNA_G
ClientSampleId :
IEC-R2

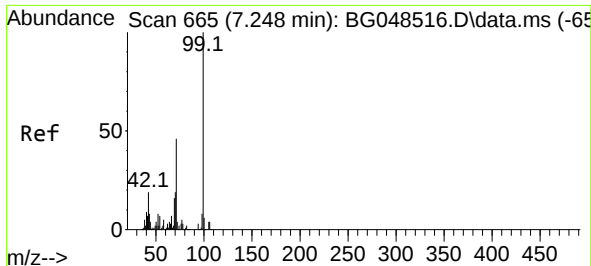
Tgt Ion:152 Resp: 25267
Ion Ratio Lower Upper
152 100
150 172.3 101.3 151.9#
115 60.4 42.3 63.5



#5
2-Fluorophenol
Concen: 40.24 ng
RT: 5.642 min Scan# 392
Delta R.T. 0.000 min
Lab File: BG048560.D
Acq: 2 Apr 2021 1:52

Tgt Ion:112 Resp: 57586
Ion Ratio Lower Upper
112 100
64 58.7 50.4 75.6
63 38.8 31.4 47.2

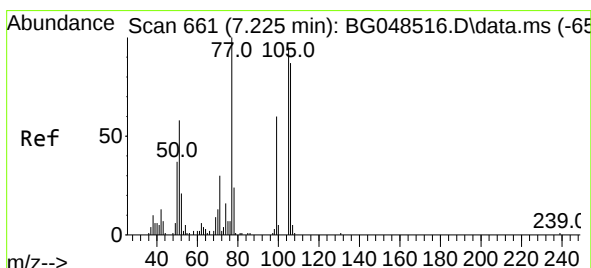
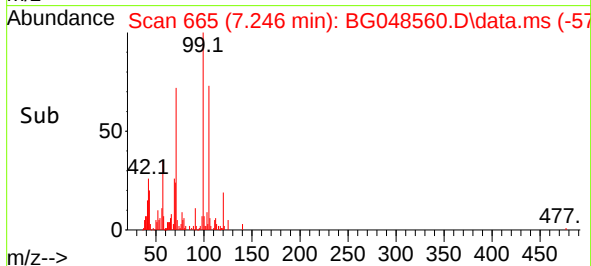
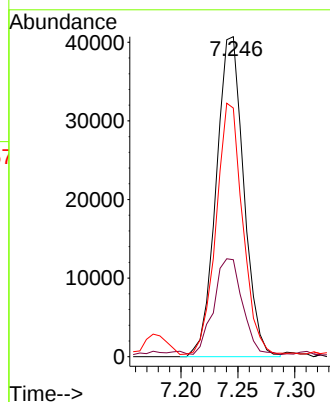
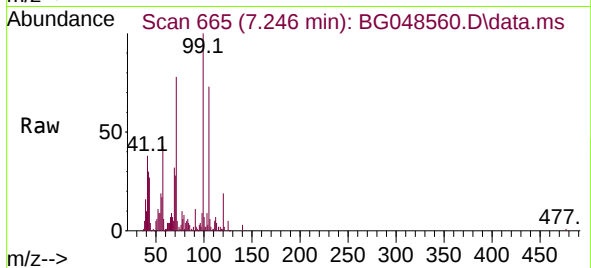




#7
Phenol-d6
Concen: 33.13 ng
RT: 7.246 min Scan# 665
Delta R.T. -0.006 min
Lab File: BG048560.D
Acq: 2 Apr 2021 1:52

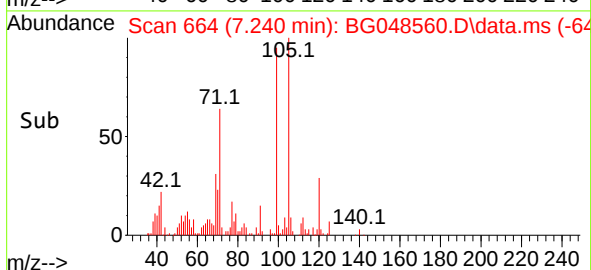
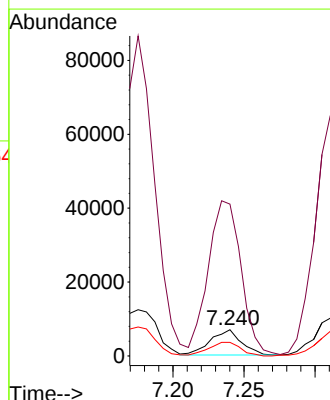
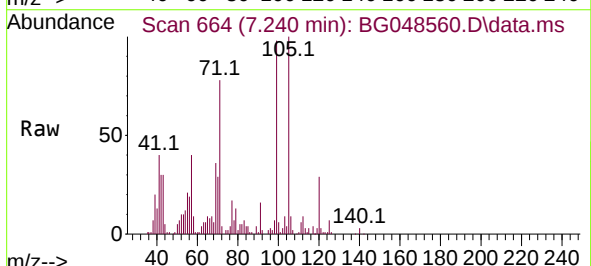
Instrument :
BNA_G
ClientSampleId :
IEC-R2

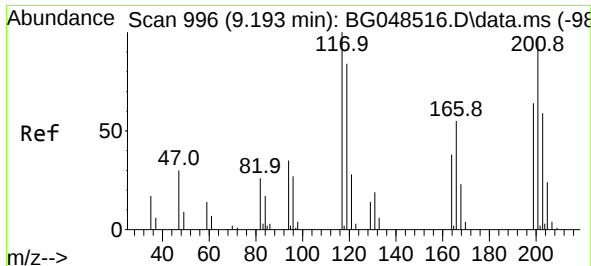
Tgt Ion: 99 Resp: 68766
Ion Ratio Lower Upper
99 100
42 30.3 15.5 23.3#
71 77.7 36.6 54.8#



#9
Benzaldehyde
Concen: 7.84 ng
RT: 7.240 min Scan# 664
Delta R.T. 0.006 min
Lab File: BG048560.D
Acq: 2 Apr 2021 1:52

Tgt Ion: 77 Resp: 10405
Ion Ratio Lower Upper
77 100
105 576.9 75.2 115.2#
106 51.7 66.5 106.5#

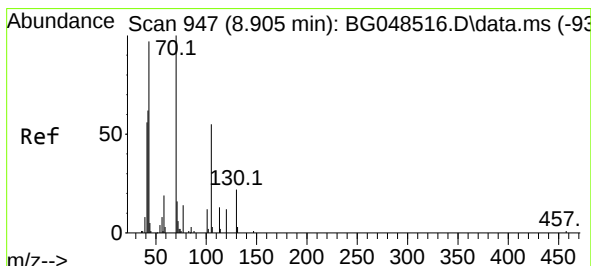
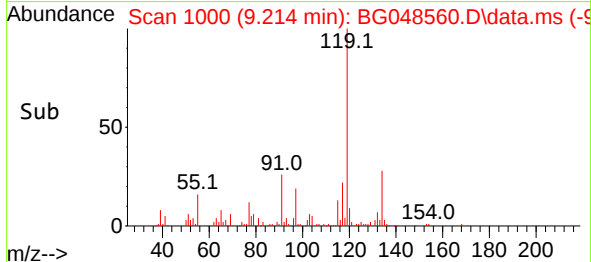
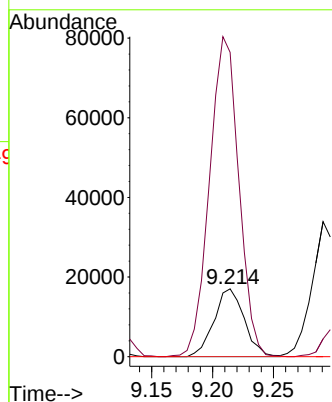
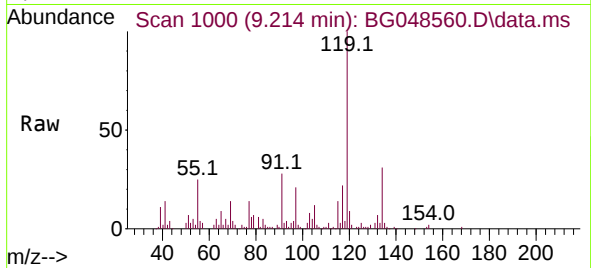




#18
Hexachloroethane
Concen: 43.18 ng
RT: 9.214 min Scan# 1000
Delta R.T. 0.018 min
Lab File: BG048560.D
Acq: 2 Apr 2021 1:52

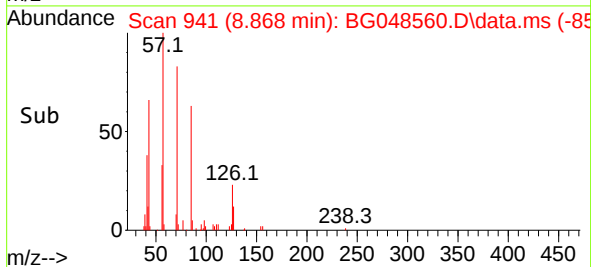
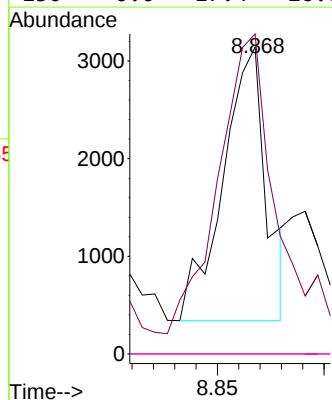
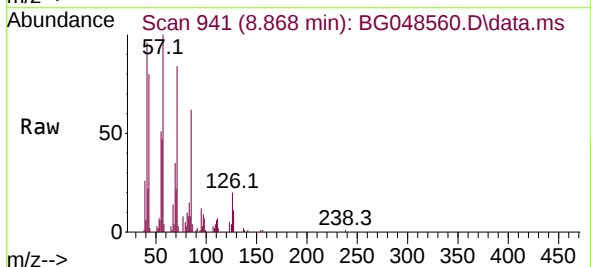
Instrument :
BNA_G
ClientSampleId :
IEC-R2

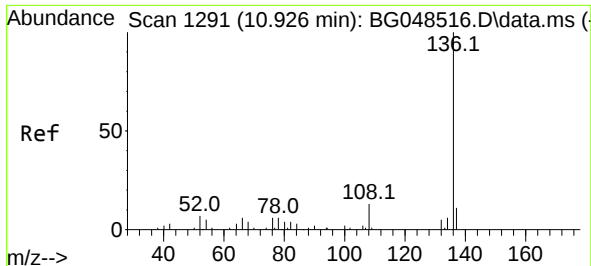
Tgt Ion:117 Resp: 29478
Ion Ratio Lower Upper
117 100
119 448.0 67.0 100.6#
201 0.0 79.8 119.6#



#19
n-Nitroso-di-n-propylamine
Concen: 2.77 ng
RT: 8.868 min Scan# 941
Delta R.T. -0.041 min
Lab File: BG048560.D
Acq: 2 Apr 2021 1:52

Tgt Ion: 70 Resp: 3961
Ion Ratio Lower Upper
70 100
42 104.3 50.8 76.2#
101 0.0 9.7 14.5#
130 0.0 17.4 26.0#

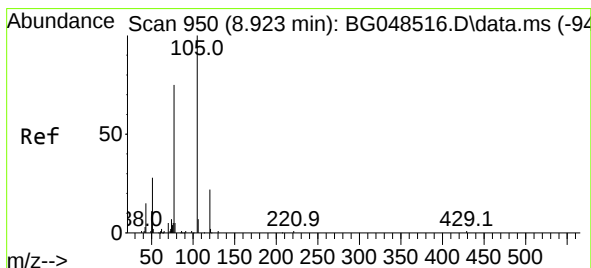
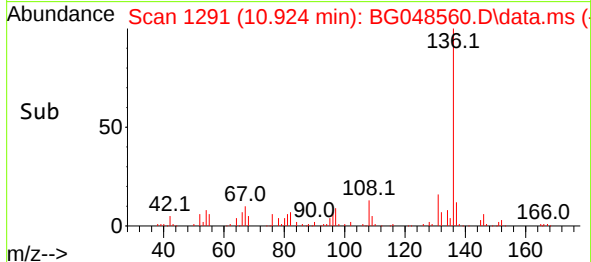
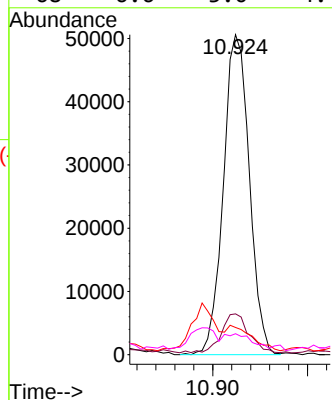
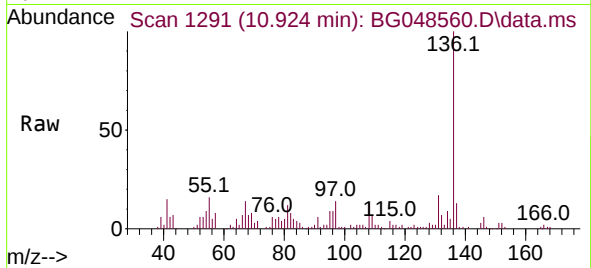




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.924 min Scan# 1291
Delta R.T. -0.006 min
Lab File: BG048560.D
Acq: 2 Apr 2021 1:52

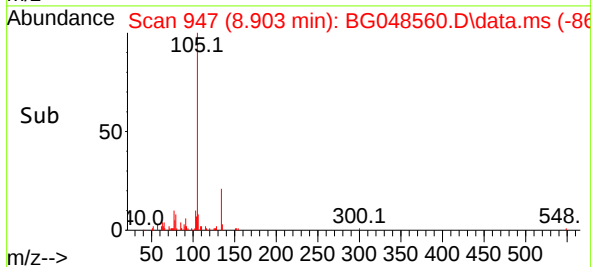
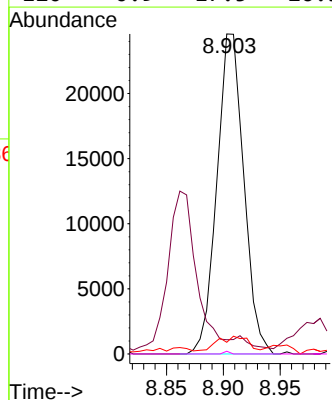
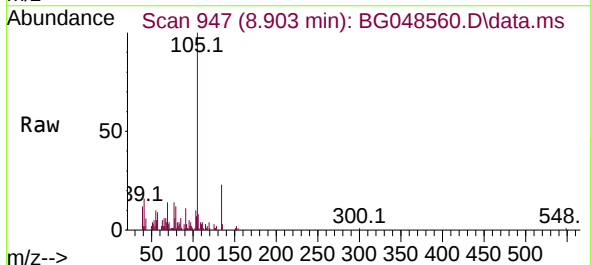
Instrument :
BNA_G
ClientSampleId :
IEC-R2

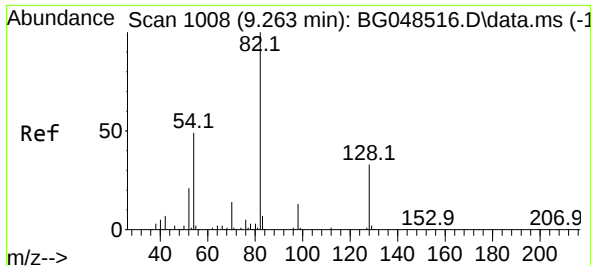
Tgt Ion:136	Resp:	96229
Ion Ratio	Lower	Upper
136	100	
137	12.8	8.6 12.8
54	8.5	4.2 6.4#
68	6.6	3.0 4.4#



#22
Acetophenone
Concen: 16.29 ng
RT: 8.903 min Scan# 947
Delta R.T. -0.023 min
Lab File: BG048560.D
Acq: 2 Apr 2021 1:52

Tgt Ion:105	Resp:	40406
Ion Ratio	Lower	Upper
105	100	
71	4.4	1.1 1.7#
51	3.7	26.1 39.1#
120	0.9	17.5 26.3#

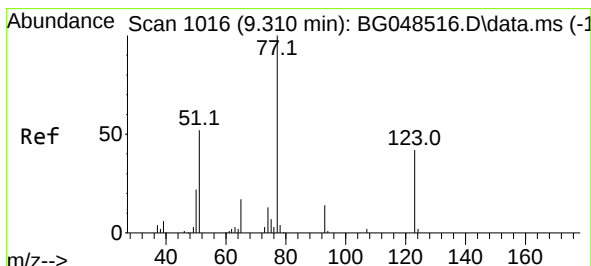
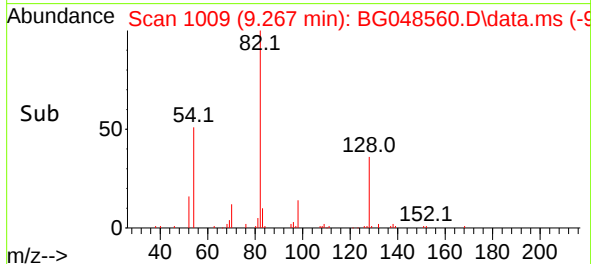
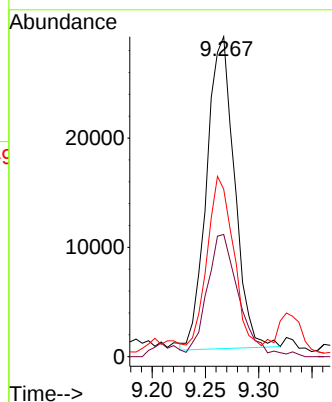
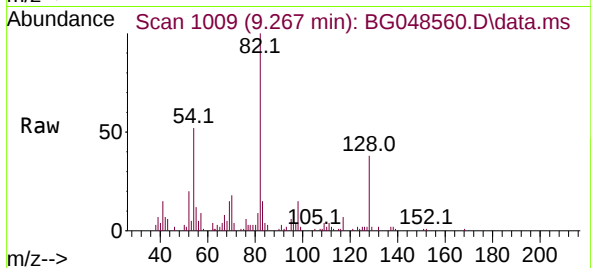




#23
Nitrobenzene-d5
Concen: 26.08 ng
RT: 9.267 min Scan# 1009
Delta R.T. -0.006 min
Lab File: BG048560.D
Acq: 2 Apr 2021 1:52

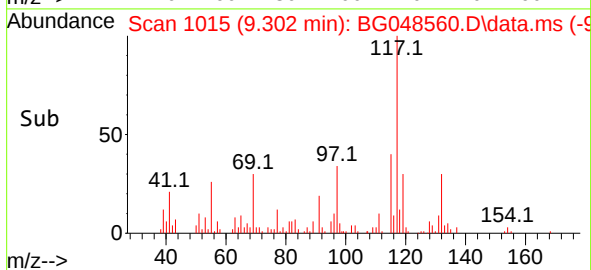
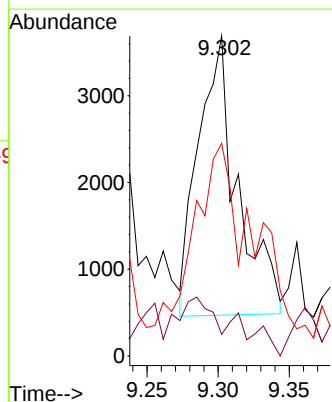
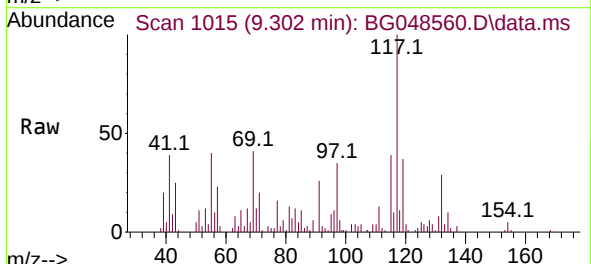
Instrument :
BNA_G
ClientSampleId :
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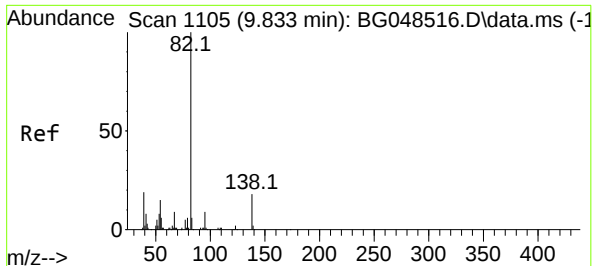
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Ion Ratio Lower Upper
82 100
128 38.2 26.2 39.4
54 52.3 38.9 58.3



#24
Nitrobenzene
Concen: 3.15 ng
RT: 9.302 min Scan# 1015
Delta R.T. -0.011 min
Lab File: BG048560.D
Acq: 2 Apr 2021 1:52

Tgt Ion: 77 Resp: 6147
Ion Ratio Lower Upper
77 100
123 6.7 33.4 50.2#
65 66.4 13.3 19.9#

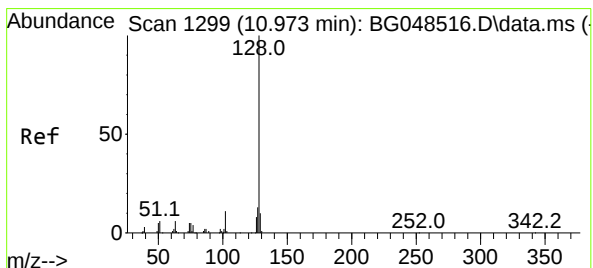
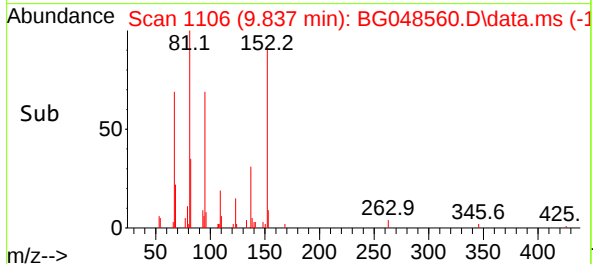
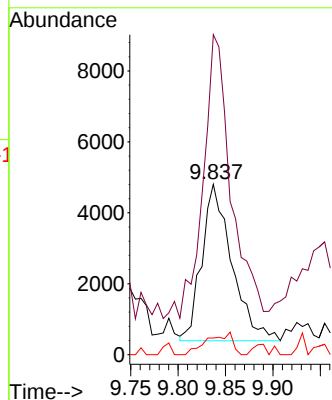
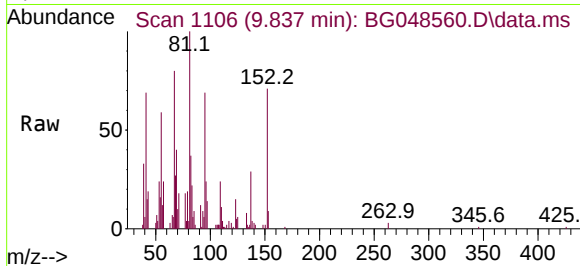




#25
Isophorone
Concen: 2.65 ng
RT: 9.837 min Scan# 1106
Delta R.T. 0.000 min
Lab File: BG048560.D
Acq: 2 Apr 2021 1:52

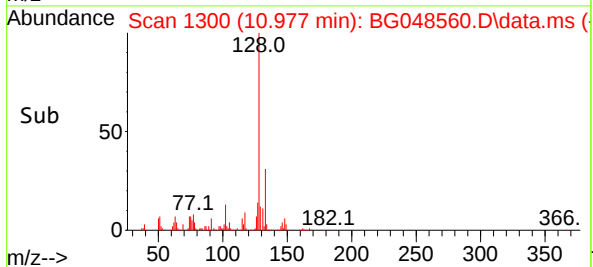
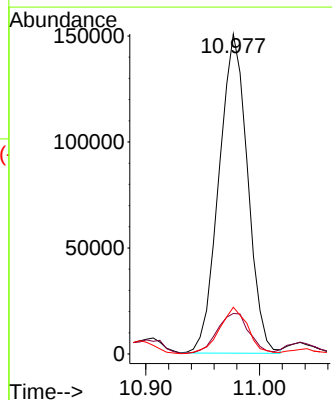
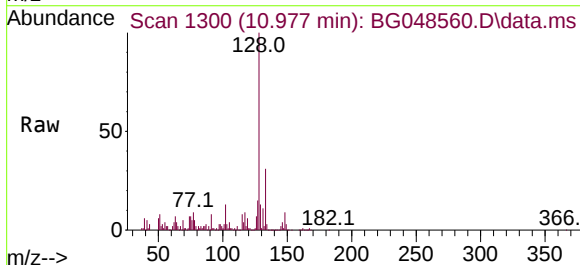
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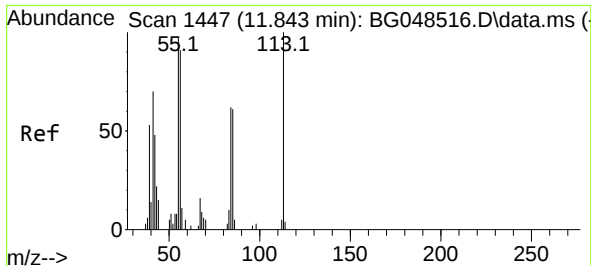
Tgt Ion: 82 Resp: 9729
Ion Ratio Lower Upper
82 100
95 187.8 7.1 10.7#
138 9.8 14.8 22.2#



#31
Naphthalene
Concen: 53.33 ng
RT: 10.977 min Scan# 1300
Delta R.T. -0.006 min
Lab File: BG048560.D
Acq: 2 Apr 2021 1:52

Tgt Ion:128 Resp: 263858
Ion Ratio Lower Upper
128 100
129 12.6 8.2 12.2#
127 14.6 10.6 16.0

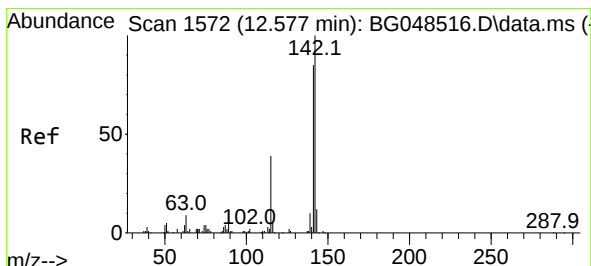
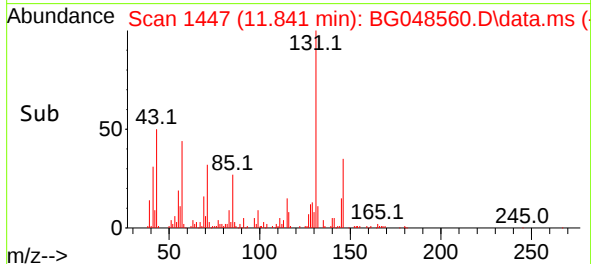
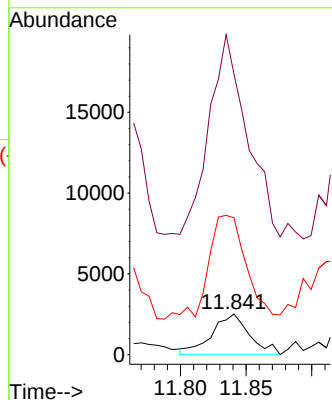
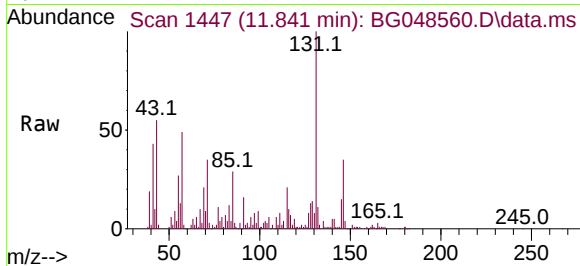




#35
Caprolactam
Concen: 8.62 ng
RT: 11.841 min Scan# 1447
Delta R.T. -0.017 min
Lab File: BG048560.D
Acq: 2 Apr 2021 1:52

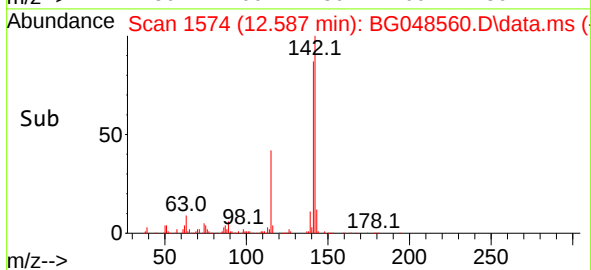
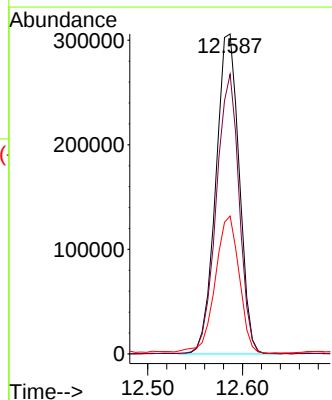
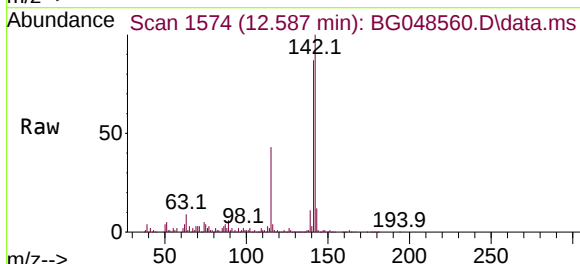
Instrument :
BNA_G
ClientSampleId :
IEC-R2

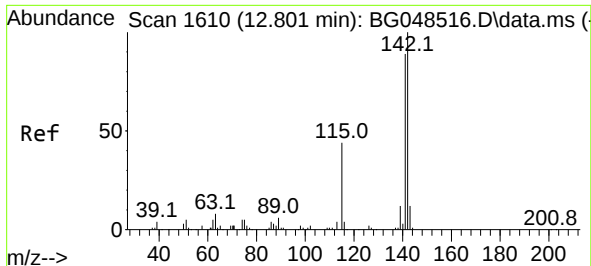
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Ion Ratio Lower Upper
113 100
55 689.5 76.8 116.8#
56 336.1 71.1 111.1#



#37
2-Methylnaphthalene
Concen: 133.24 ng
RT: 12.587 min Scan# 1574
Delta R.T. 0.006 min
Lab File: BG048560.D
Acq: 2 Apr 2021 1:52

Tgt Ion:142 Resp: 524814
Ion Ratio Lower Upper
142 100
141 87.5 68.2 102.4
115 43.1 30.8 46.2

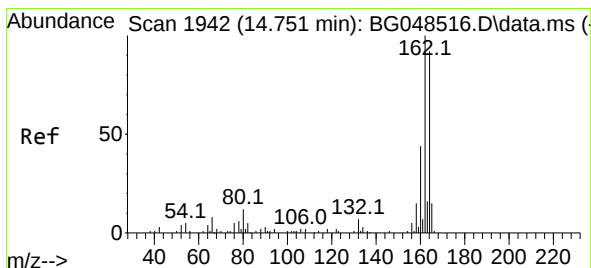
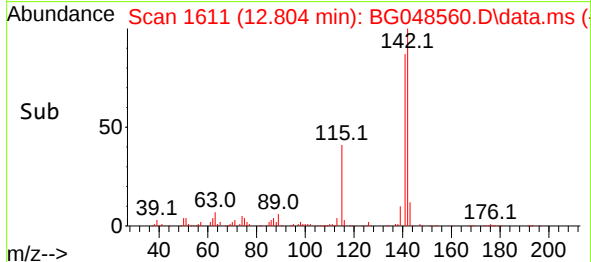
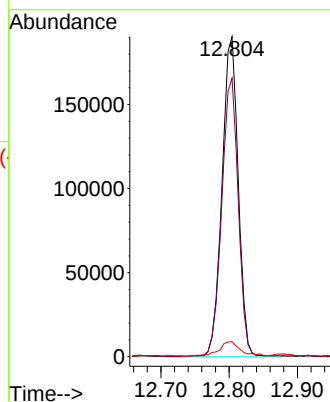
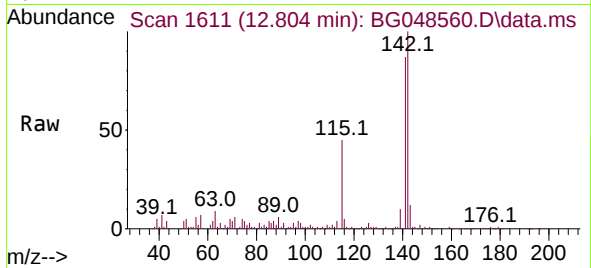




#38
1-Methylnaphthalene
Concen: 83.84 ng
RT: 12.804 min Scan# 1611
Delta R.T. 0.000 min
Lab File: BG048560.D
Acq: 2 Apr 2021 1:52

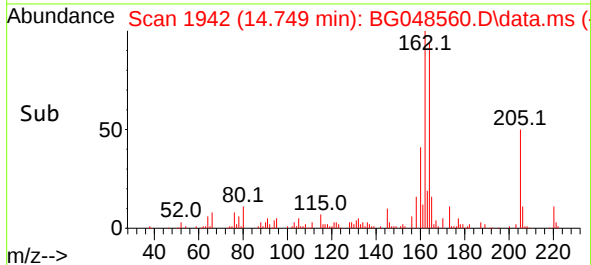
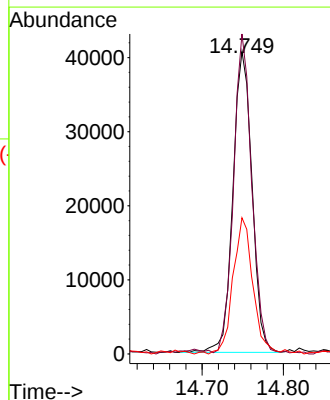
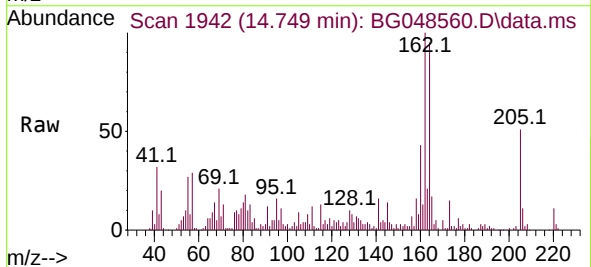
Instrument :
BNA_G
ClientSampleId :
IEC-R2

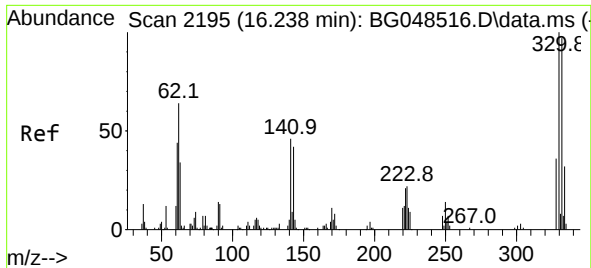
Tgt Ion:142 Resp: 314930
Ion Ratio Lower Upper
142 100
141 87.0 71.2 106.8
116 4.7 3.4 5.0



#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.749 min Scan# 1942
Delta R.T. -0.006 min
Lab File: BG048560.D
Acq: 2 Apr 2021 1:52

Tgt Ion:164 Resp: 66303
Ion Ratio Lower Upper
164 100
162 105.8 87.0 130.6
160 45.0 38.4 57.6

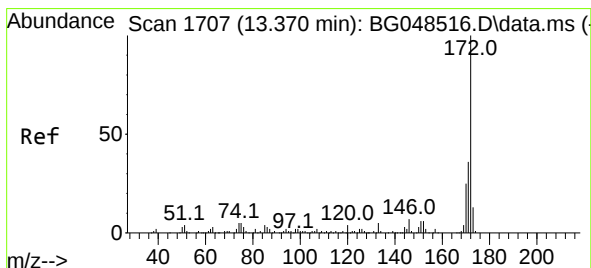
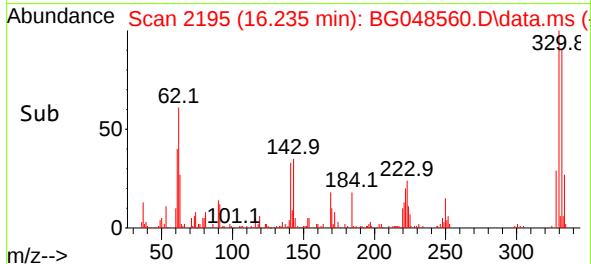
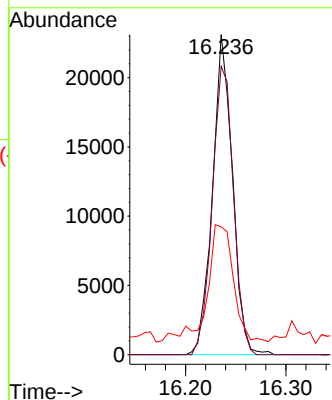
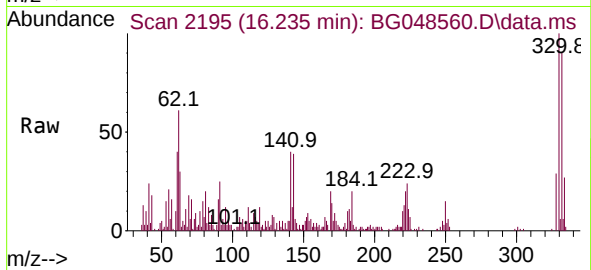




#42
2,4,6-Tribromophenol
Concen: 36.67 ng
RT: 16.235 min Scan# 2195
Delta R.T. -0.011 min
Lab File: BG048560.D
Acq: 2 Apr 2021 1:52

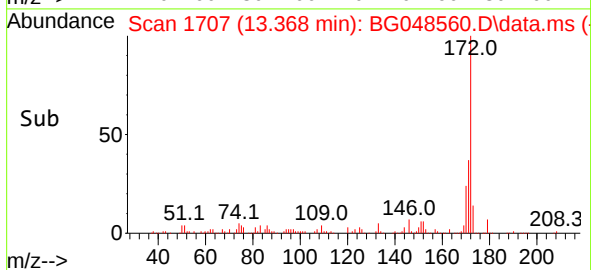
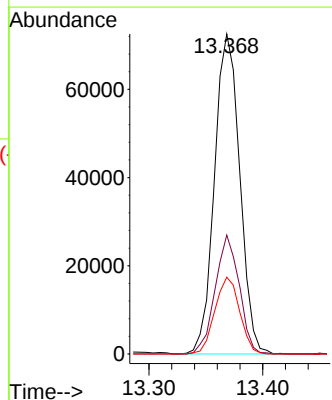
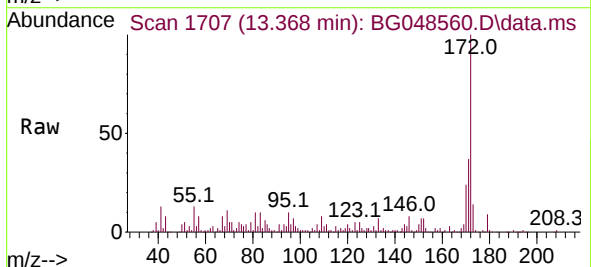
Instrument :
BNA_G
ClientSampled :
IEC-R2

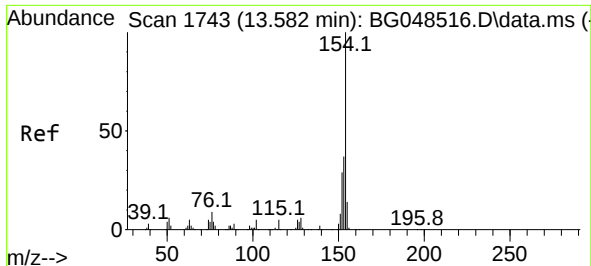
Tgt Ion:330 Resp: 31962
Ion Ratio Lower Upper
330 100
332 95.7 77.6 116.4
141 48.4 34.6 52.0



#45
2-Fluorobiphenyl
Concen: 25.14 ng
RT: 13.368 min Scan# 1707
Delta R.T. -0.011 min
Lab File: BG048560.D
Acq: 2 Apr 2021 1:52

Tgt Ion:172 Resp: 112125
Ion Ratio Lower Upper
172 100
171 37.2 28.5 42.7
170 24.0 19.8 29.6

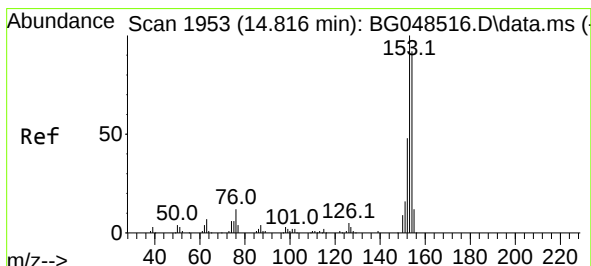
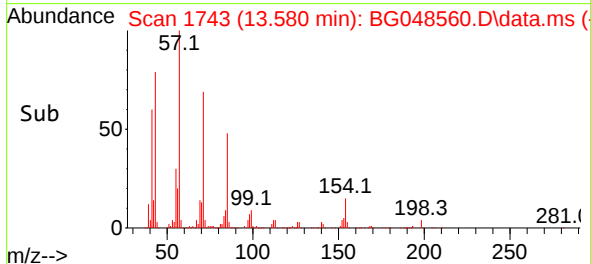
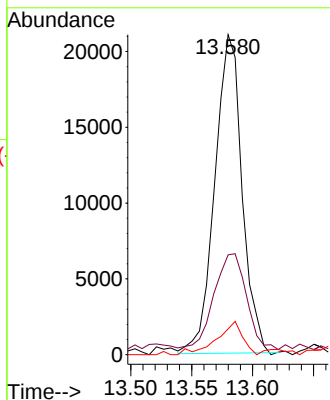
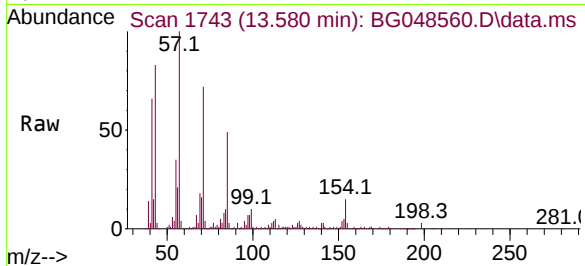




#46
1,1'-Biphenyl
Concen: 6.74 ng
RT: 13.580 min Scan# 1743
Delta R.T. -0.006 min
Lab File: BG048560.D
Acq: 2 Apr 2021 1:52

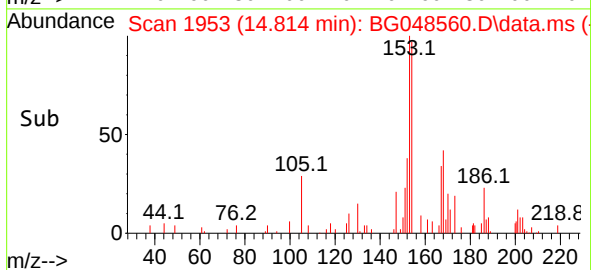
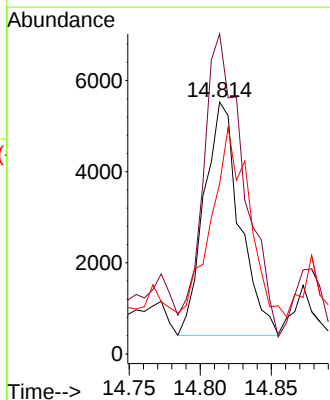
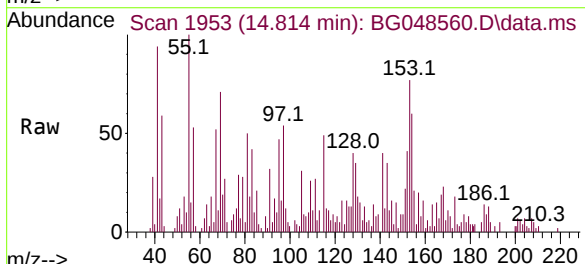
Instrument :
BNA_G
ClientSampleId :
IEC-R2

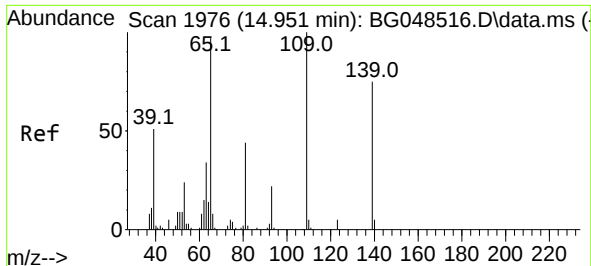
Tgt Ion:154	Resp:	32668
Ion Ratio	Lower	Upper
154	100	
153	31.2	17.3 57.3
76	8.1	0.0 28.6



#52
Acenaphthene
Concen: 2.13 ng
RT: 14.814 min Scan# 1953
Delta R.T. -0.006 min
Lab File: BG048560.D
Acq: 2 Apr 2021 1:52

Tgt Ion:154	Resp:	8929
Ion Ratio	Lower	Upper
154	100	
153	127.0	86.6 129.8
152	67.5	41.5 62.3#

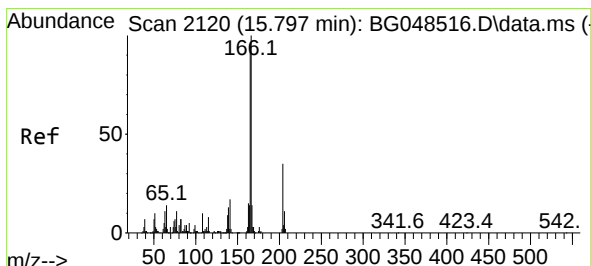
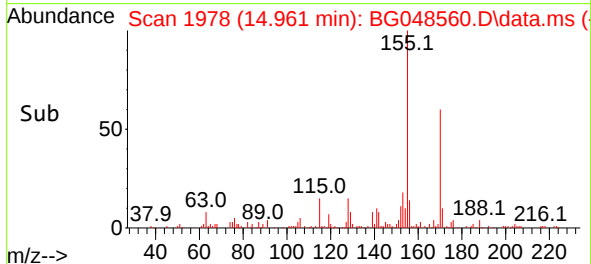
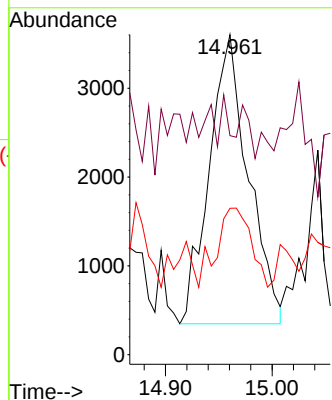
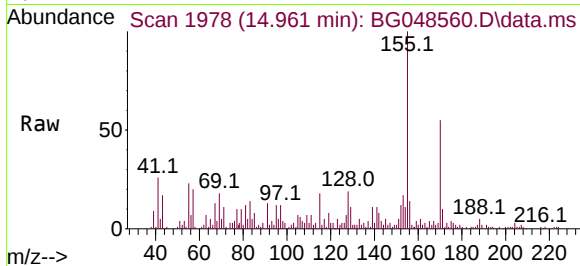




#56
4-Nitrophenol
Concen: 9.30 ng
RT: 14.961 min Scan# 1978
Delta R.T. 0.006 min
Lab File: BG048560.D
Acq: 2 Apr 2021 1:52

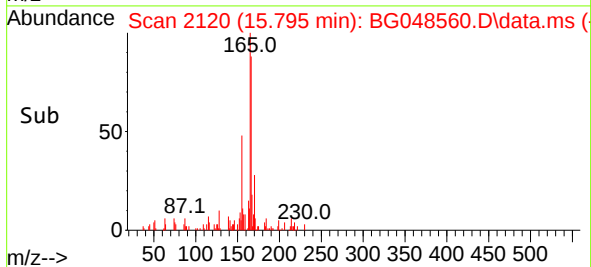
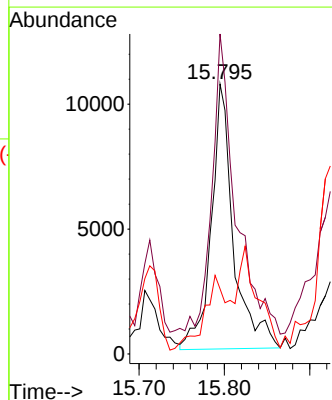
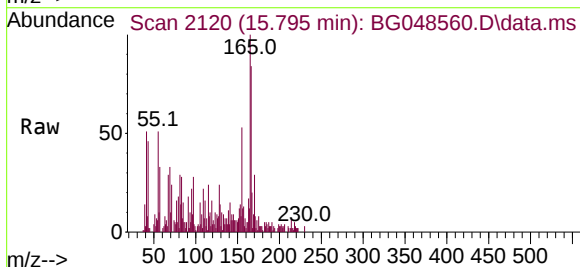
Instrument :
BNA_G
ClientSampleId :
IEC-R2

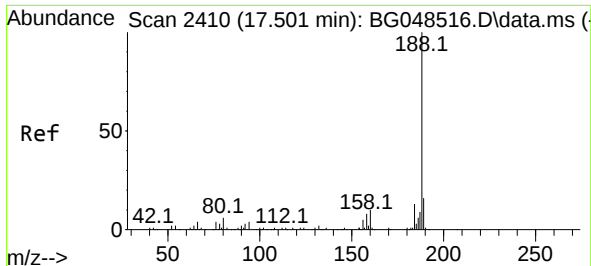
Tgt Ion:139 Resp: 8285
Ion Ratio Lower Upper
139 100
109 68.5 113.0 153.0#
65 45.8 109.4 149.4#



#58
Fluorene
Concen: 3.75 ng
RT: 15.795 min Scan# 2120
Delta R.T. -0.006 min
Lab File: BG048560.D
Acq: 2 Apr 2021 1:52

Tgt Ion:166 Resp: 19187
Ion Ratio Lower Upper
166 100
165 118.6 76.8 115.2#
167 24.2 11.1 16.7#

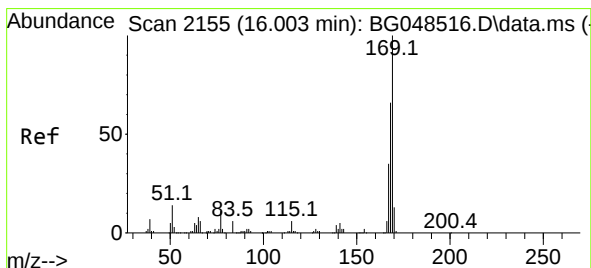
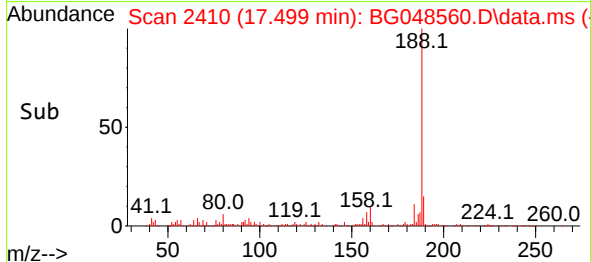
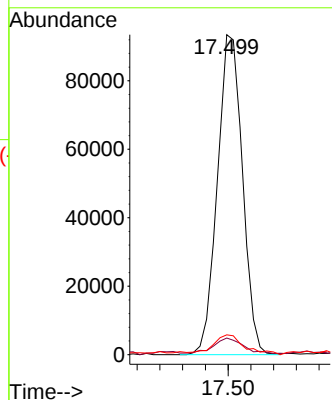
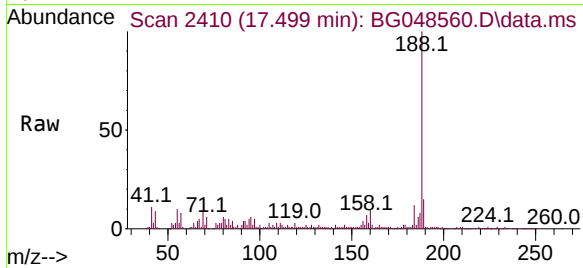




#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.499 min Scan# 2410
Delta R.T. -0.006 min
Lab File: BG048560.D
Acq: 2 Apr 2021 1:52

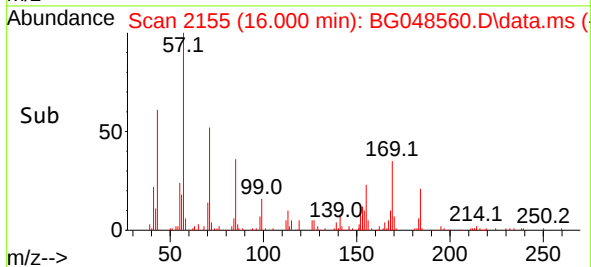
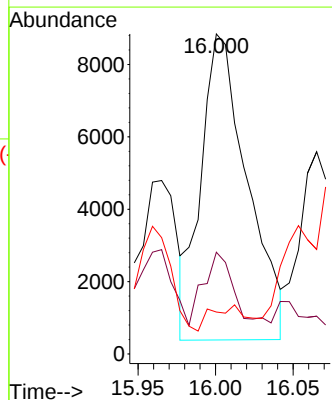
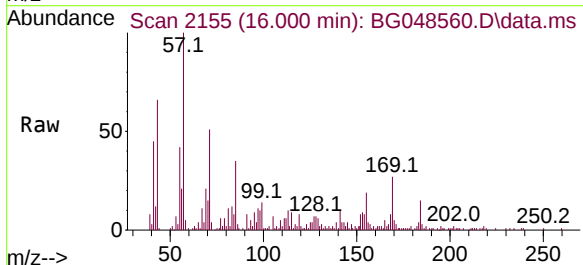
Instrument :
BNA_G
ClientSampleId :
IEC-R2

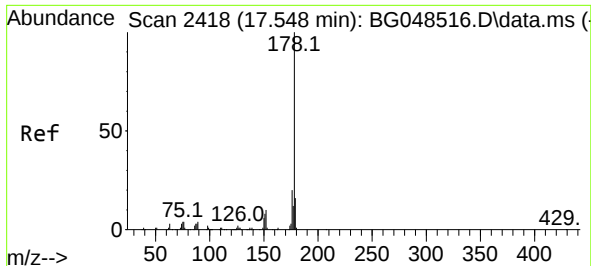
Tgt Ion:188 Resp: 143300
Ion Ratio Lower Upper
188 100
94 5.2 3.0 4.6#
80 6.2 4.5 6.7



#66
n-Nitrosodiphenylamine
Concen: 4.32 ng
RT: 16.000 min Scan# 2155
Delta R.T. -0.006 min
Lab File: BG048560.D
Acq: 2 Apr 2021 1:52

Tgt Ion:169 Resp: 17625
Ion Ratio Lower Upper
169 100
168 31.8 52.7 79.1#
167 13.1 27.8 41.8#

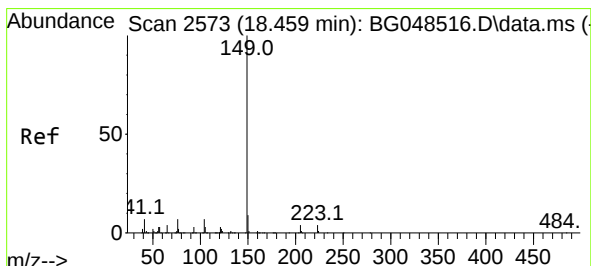
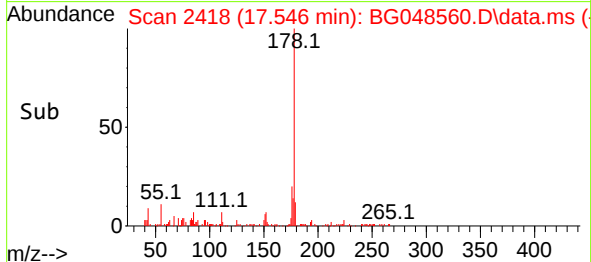
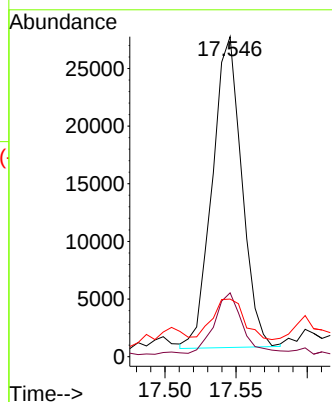
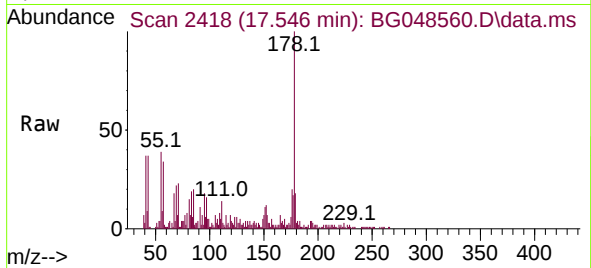




#71
Phenanthrene
Concen: 5.23 ng
RT: 17.546 min Scan# 2418
Delta R.T. -0.006 min
Lab File: BG048560.D
Acq: 2 Apr 2021 1:52

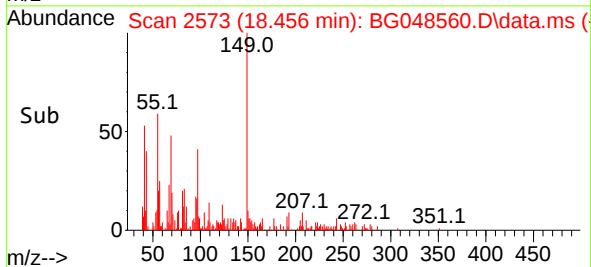
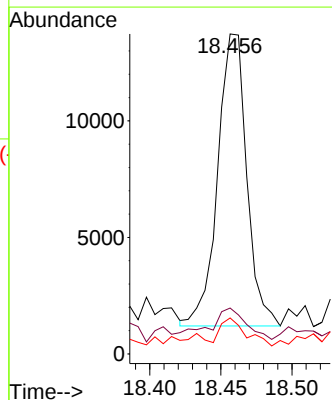
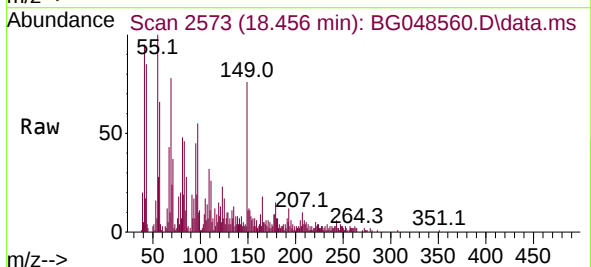
Instrument :
BNA_G
ClientSampleId :
IEC-R2

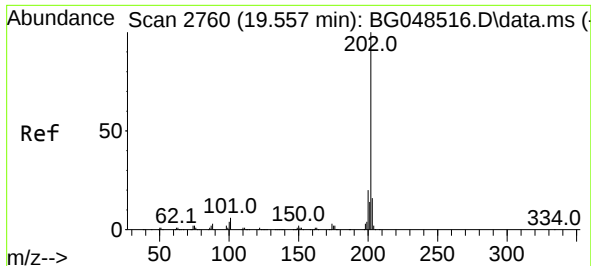
Tgt Ion:178 Resp: 38920
Ion Ratio Lower Upper
178 100
176 20.0 15.6 23.4
179 18.0 12.9 19.3



#74
Di-n-butylphthalate
Concen: 2.27 ng
RT: 18.456 min Scan# 2573
Delta R.T. -0.006 min
Lab File: BG048560.D
Acq: 2 Apr 2021 1:52

Tgt Ion:149 Resp: 17857
Ion Ratio Lower Upper
149 100
150 14.3 7.0 10.4#
104 11.3 5.9 8.9#

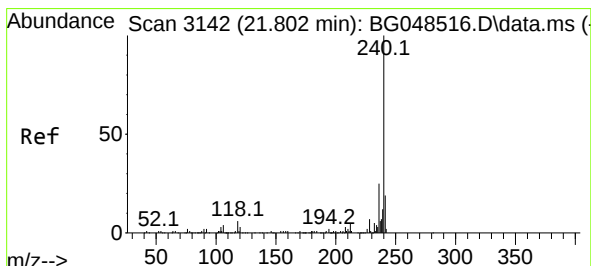
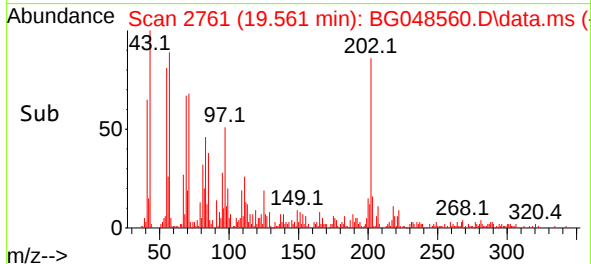
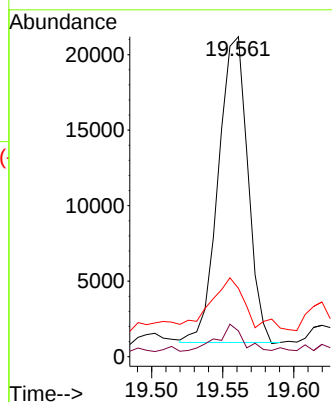
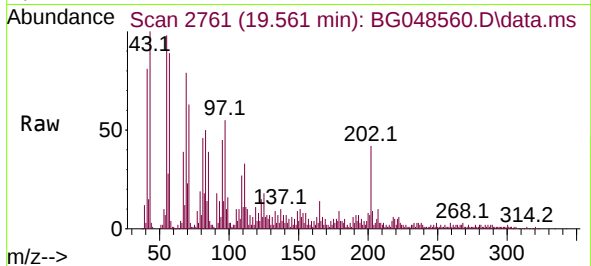




#75
Fluoranthene
Concen: 3.16 ng
RT: 19.561 min Scan# 2761
Delta R.T. 0.000 min
Lab File: BG048560.D
Acq: 2 Apr 2021 1:52

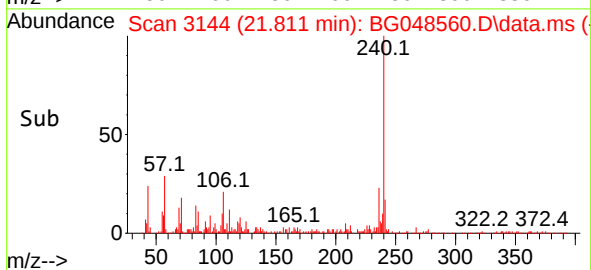
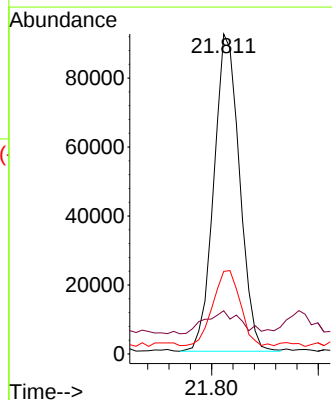
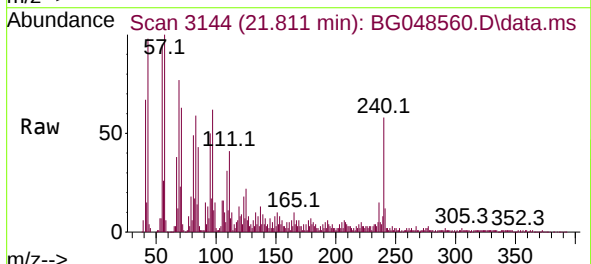
Instrument :
BNA_G
ClientSampleId :
IEC-R2

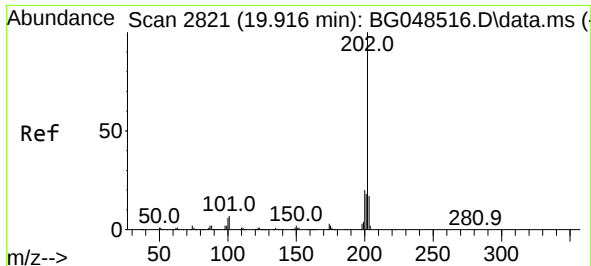
Tgt Ion:202 Resp: 29131
Ion Ratio Lower Upper
202 100
101 8.1 0.0 25.8
203 21.4 0.0 36.4



#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.811 min Scan# 3144
Delta R.T. 0.006 min
Lab File: BG048560.D
Acq: 2 Apr 2021 1:52

Tgt Ion:240 Resp: 153834
Ion Ratio Lower Upper
240 100
120 13.5 2.6 3.8#
236 25.8 19.8 29.6

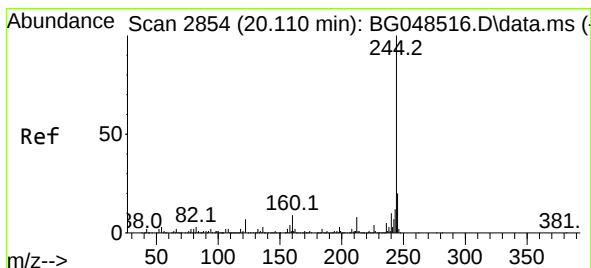
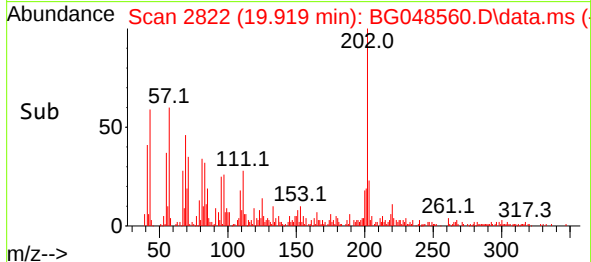
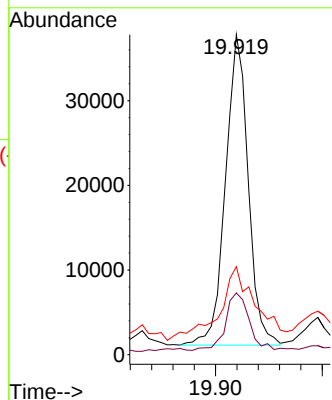
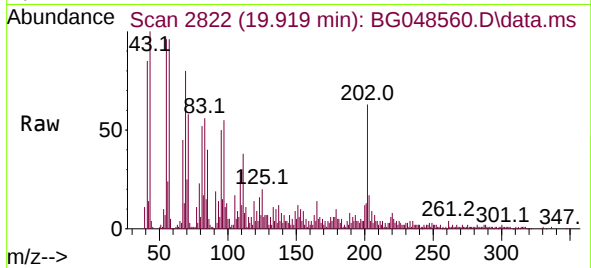




#78
Pyrene
Concen: 5.12 ng
RT: 19.919 min Scan# 2822
Delta R.T. 0.000 min
Lab File: BG048560.D
Acq: 2 Apr 2021 1:52

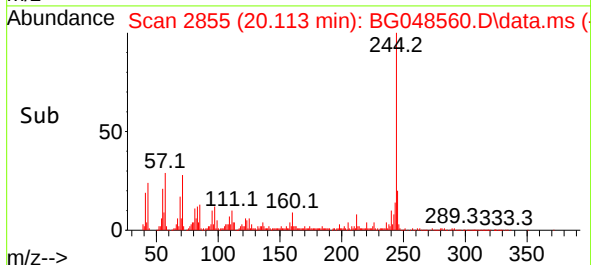
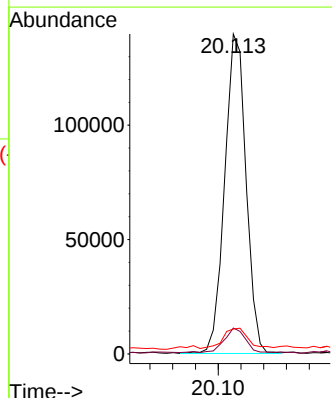
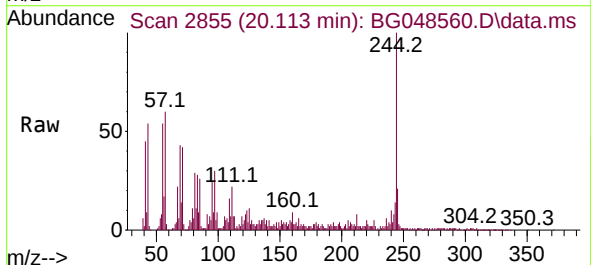
Instrument :
BNA_G
ClientSampleId :
IEC-R2

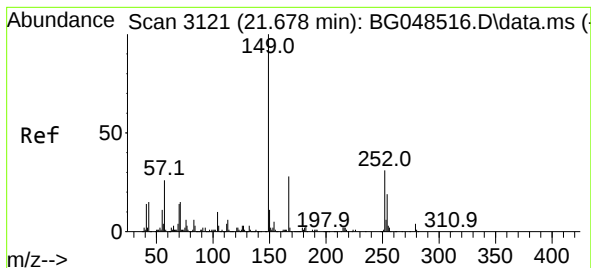
Tgt Ion:202 Resp: 54165
Ion Ratio Lower Upper
202 100
200 19.3 16.1 24.1
203 27.5 13.6 20.4#



#79
Terphenyl-d14
Concen: 21.69 ng
RT: 20.113 min Scan# 2855
Delta R.T. 0.000 min
Lab File: BG048560.D
Acq: 2 Apr 2021 1:52

Tgt Ion:244 Resp: 182462
Ion Ratio Lower Upper
244 100
212 8.1 6.0 9.0
122 7.8 5.8 8.6

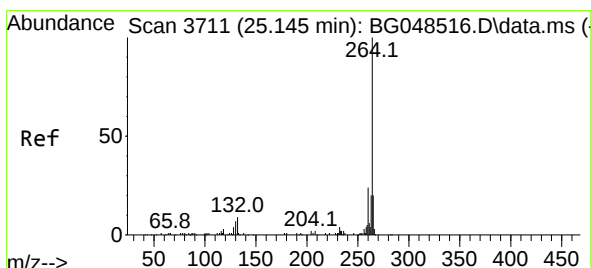
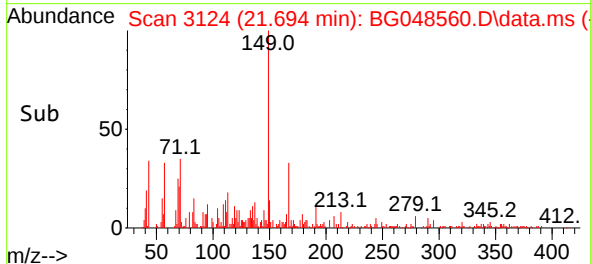
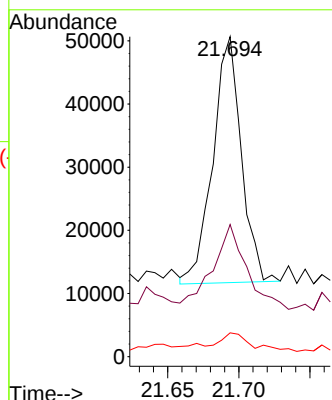
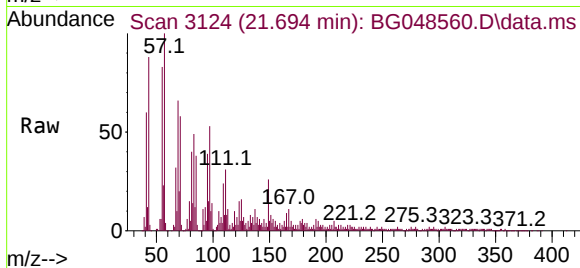




#84
Bis(2-ethylhexyl)phthalate
Concen: 9.90 ng
RT: 21.694 min Scan# 3124
Delta R.T. 0.012 min
Lab File: BG048560.D
Acq: 2 Apr 2021 1:52

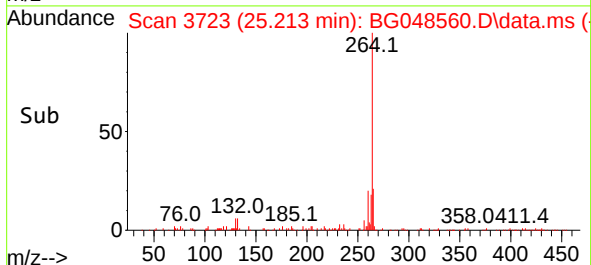
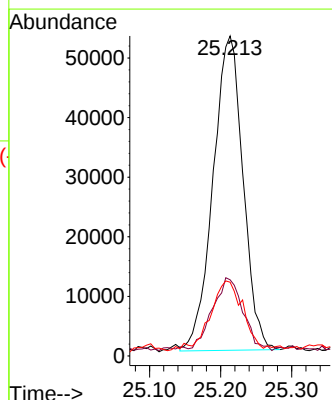
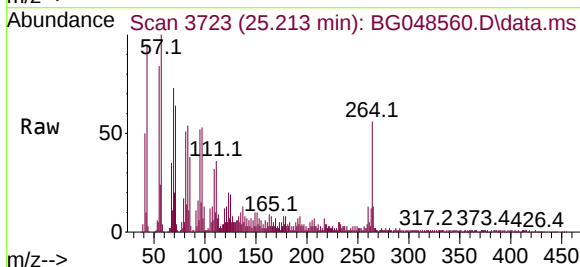
Instrument :
BNA_G
ClientSampleId :
IEC-R2

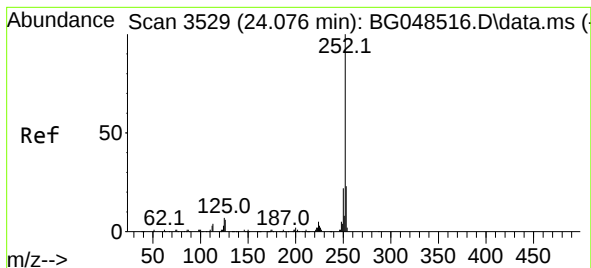
Tgt Ion:149 Resp: 54157
Ion Ratio Lower Upper
149 100
167 41.3 22.4 33.6#
279 7.4 3.4 5.2#



#86
Perylene-d12
Concen: 20.00 ng
RT: 25.213 min Scan# 3723
Delta R.T. 0.065 min
Lab File: BG048560.D
Acq: 2 Apr 2021 1:52

Tgt Ion:264 Resp: 154521
Ion Ratio Lower Upper
264 100
260 23.8 19.1 28.7
265 23.0 16.1 24.1

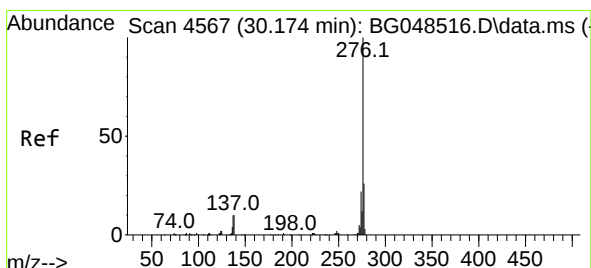
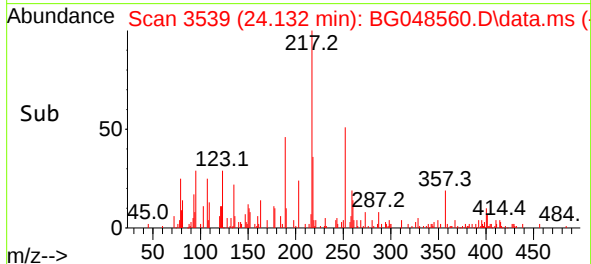
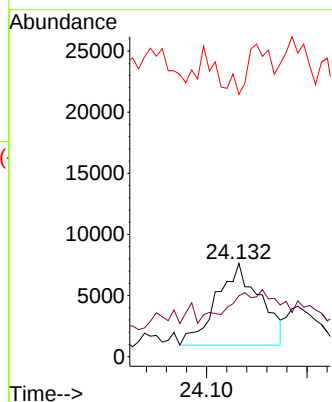
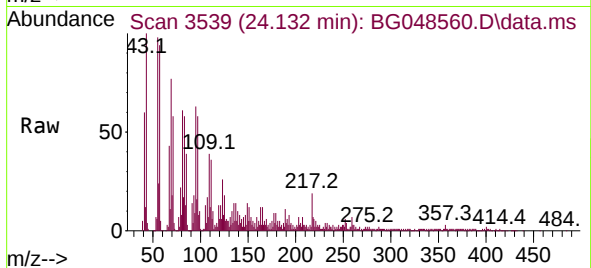




#88
Benzo(b)fluoranthene
Concen: 2.02 ng
RT: 24.132 min Scan# 3539
Delta R.T. 0.047 min
Lab File: BG048560.D
Acq: 2 Apr 2021 1:52

Instrument :
BNA_G
ClientSampled :
IEC-R2

Tgt Ion:252 Resp: 20294
Ion Ratio Lower Upper
252 100
253 65.4 18.2 27.4#
125 281.4 5.3 7.9#



#92
Benzo(g,h,i)perylene
Concen: 2.57 ng
RT: 30.296 min Scan# 4588
Delta R.T. 0.106 min
Lab File: BG048560.D
Acq: 2 Apr 2021 1:52

Tgt Ion:276 Resp: 23303
Ion Ratio Lower Upper
276 100
277 28.5 20.4 30.6
138 32.7 8.1 12.1#

