

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG031320\
 Data File : BG044794.D
 Acq On : 14 Mar 2020 11:47
 Operator : CG/JU
 Sample : L1826-02
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MC5B40

Quant Time: Mar 16 01:35:36 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG031020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 10 16:27:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	227089	20.00	ng	0.00
21) Naphthalene-d8	10.86	136	935922	20.00	ng	0.00
39) Acenaphthene-d10	14.69	164	613131	20.00	ng	0.00
64) Phenanthrene-d10	17.43	188	1216099	20.00	ng	0.00
76) Chrysene-d12	21.70	240	1045179	20.00	ng	-0.01
87) Perylene-d12	24.92	264	1189125	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.62	112	834411	57.20	ng	0.00
7) Phenol-d6	7.21	99	1067582	50.37	ng	0.00
23) Nitrobenzene-d5	9.21	82	931161	43.66	ng	0.00
42) 2,4,6-Tribromophenol	16.17	330	524101	65.28	ng	0.00
45) 2-Fluorobiphenyl	13.31	172	1841035	43.00	ng	0.00
79) Terphenyl-d14	20.05	244	2423000	43.36	ng	0.00

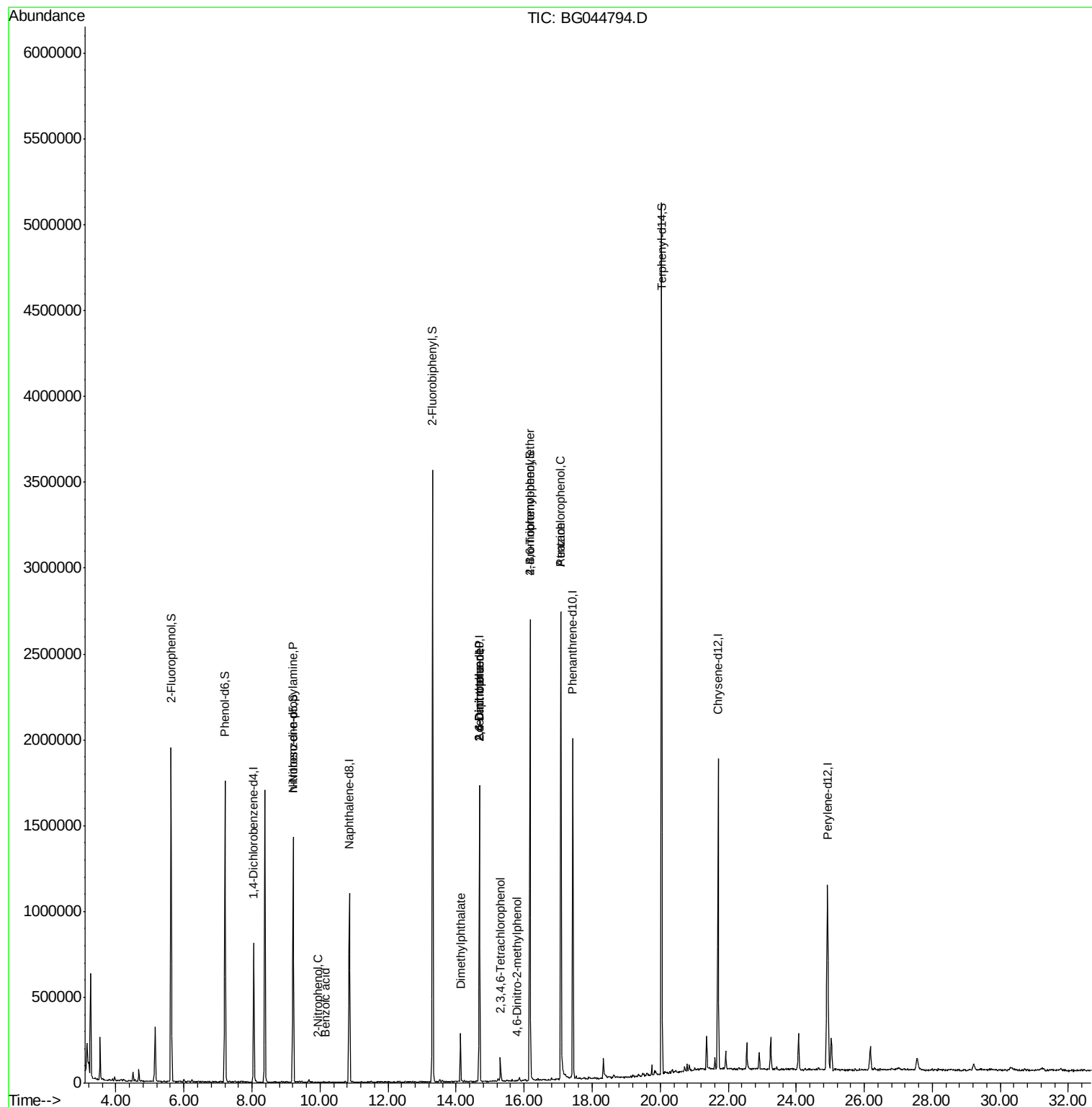
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.21	77	2674	Below Cal	#	12
19) n-Nitroso-di-n-propylamine	9.21	70	123916	8.28 ng	#	72
26) 2-Nitrophenol	9.95	139	154	5.53 ng	#	28
32) Benzoic acid	10.14	122	56	9.67 ng	#	1
50) Dimethylphthalate	14.13	163	183796	3.76 ng		96
51) 2,6-Dinitrotoluene	14.69	165	82288	8.36 ng	#	21
54) 2,4-Dinitrophenol	14.69	184	135	8.35 ng	#	1
57) 2,4-Dinitrotoluene	14.69	165	82288	6.10 ng	#	18
59) 2,3,4,6-Tetrachlorophenol	15.31	232	31253	2.44 ng	#	91
65) 4,6-Dinitro-2-methylphenol	15.79	198	322	7.78 ng	#	42
67) 4-Bromophenyl-phenylether	16.17	248	37155	2.44 ng	#	1
69) Atrazine	17.08	200	111819	8.34 ng	#	37
70) Pentachlorophenol	17.08	266	555264	61.19 ng		99

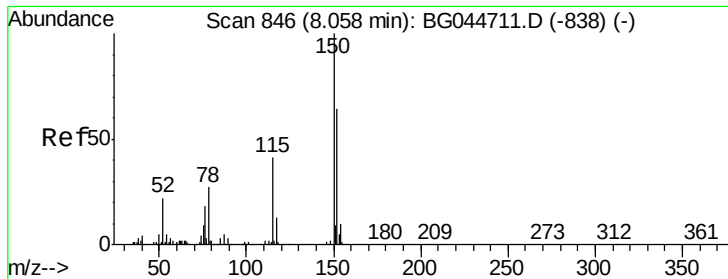
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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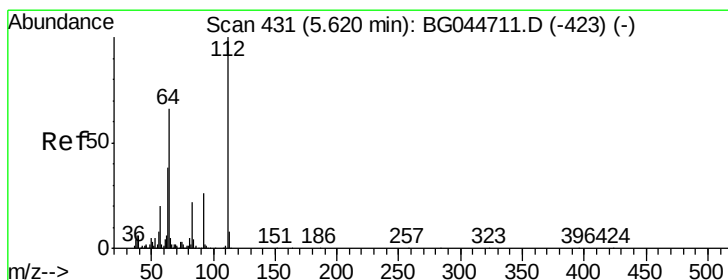
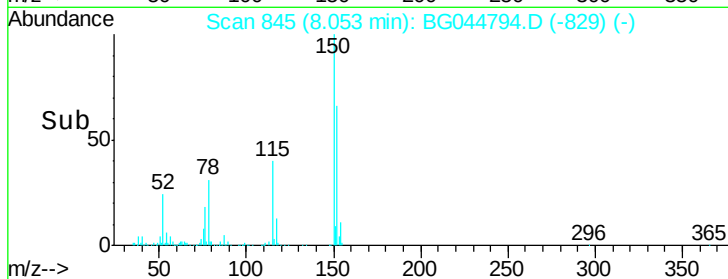
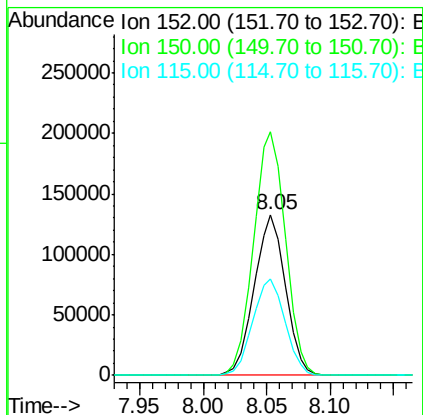
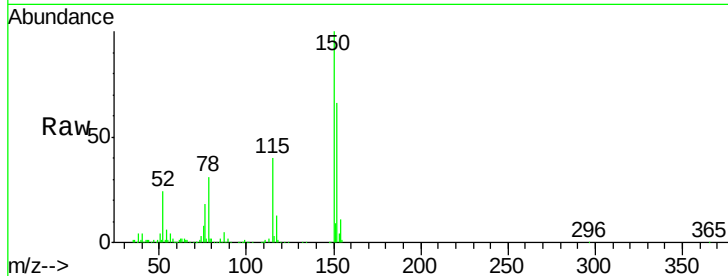


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.05 min Scan# 845
Delta R.T. -0.01 min
Lab File: BG044794.D
Acq: 14 Mar 2020 11:47

Instrument :
BNA_G
ClientSampleId :
MC5B40

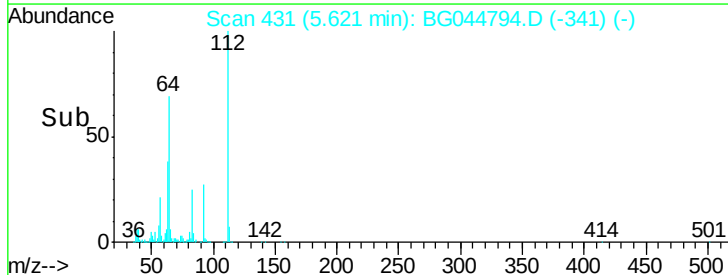
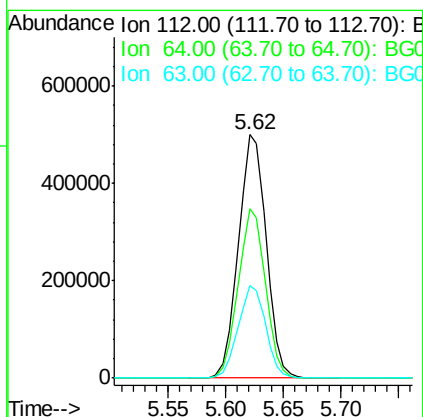
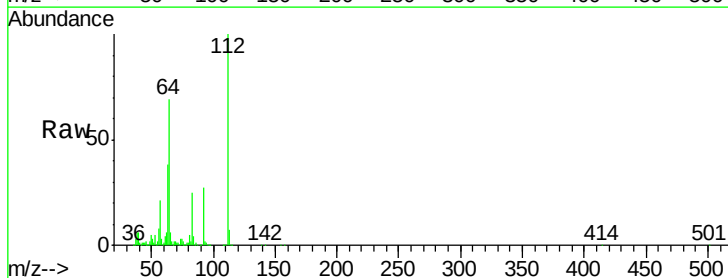
Tgt Ion:152 Resp: 227089
Ion Ratio Lower Upper
152 100
150 151.5 125.3 187.9
115 60.0 51.7 77.5

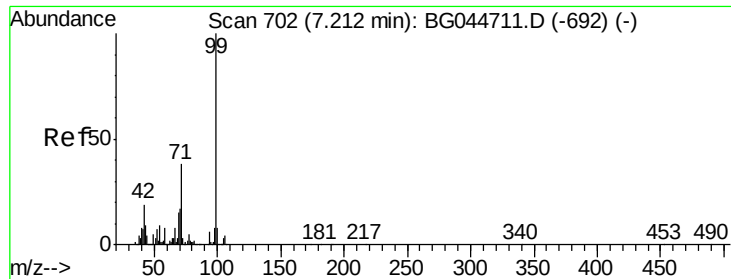


#5

2-Fluorophenol
Concen: 57.20 ng
RT: 5.62 min Scan# 431
Delta R.T. 0.00 min
Lab File: BG044794.D
Acq: 14 Mar 2020 11:47

Tgt Ion:112 Resp: 834411
Ion Ratio Lower Upper
112 100
64 69.4 52.6 78.8
63 38.0 30.2 45.4





#7

Phenol-d6

Concen: 50.37 ng

RT: 7.21 min Scan# 701

Delta R.T. -0.01 min

Lab File: BG044794.D

Acq: 14 Mar 2020 11:47

Instrument :

BNA_G

ClientSampleId :

MC5B40

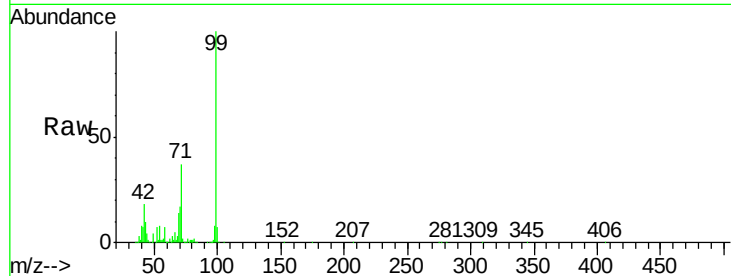
Tgt Ion: 99 Resp: 1067582

Ion Ratio Lower Upper

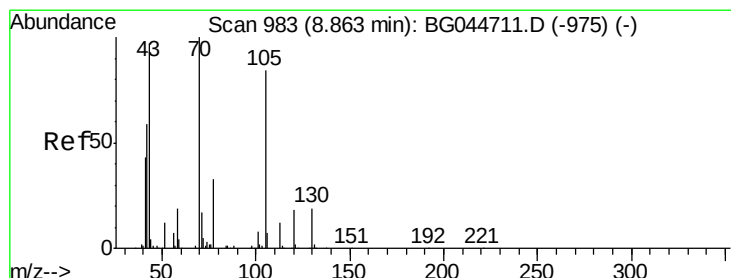
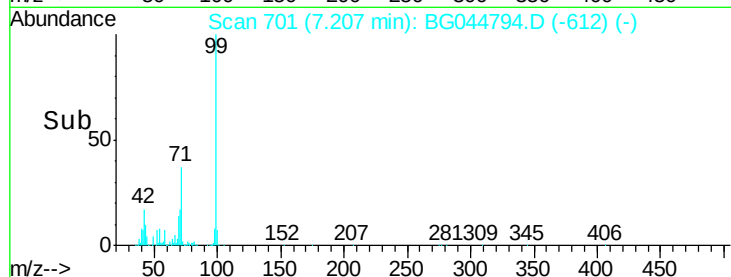
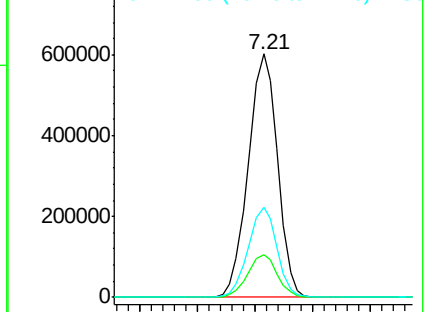
99 100

42 17.5 15.4 23.0

71 36.8 30.2 45.4



Abundance Ion 99.00 (98.70 to 99.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 71.00 (70.70 to 71.70): BGC



#19

n-Nitroso-di-n-propylamine

Concen: 8.28 ng

RT: 9.21 min Scan# 1042

Delta R.T. 0.35 min

Lab File: BG044794.D

Acq: 14 Mar 2020 11:47

Tgt Ion: 70 Resp: 123916

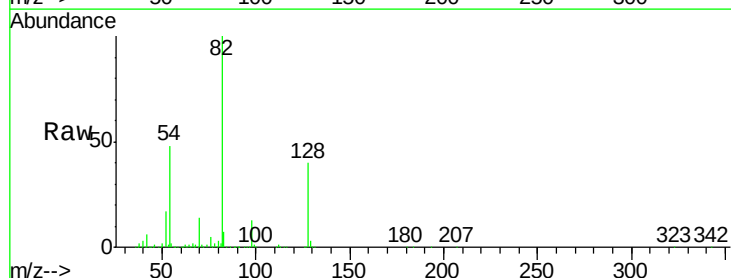
Ion Ratio Lower Upper

70 100

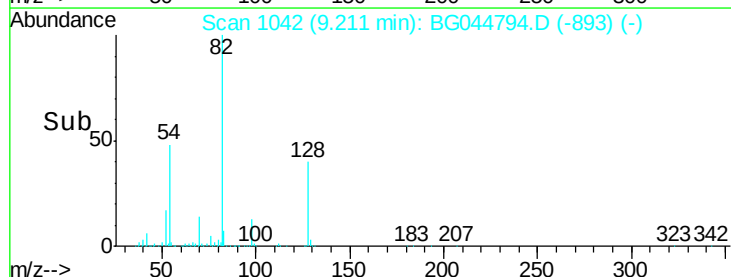
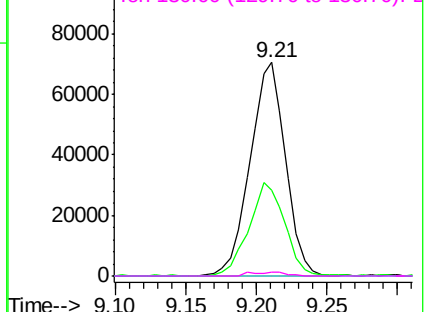
42 40.4 47.6 71.4#

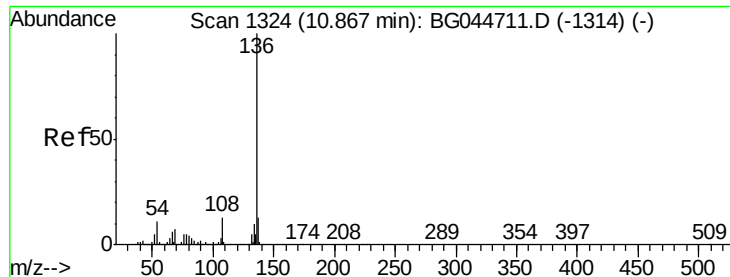
101 0.0 6.5 9.7#

130 1.9 15.0 22.4#



Abundance Ion 70.00 (69.70 to 70.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 101.00 (100.70 to 101.70): BGC
Ion 130.00 (129.70 to 130.70): BGC

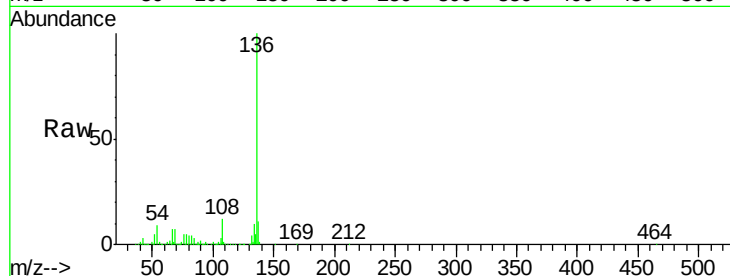




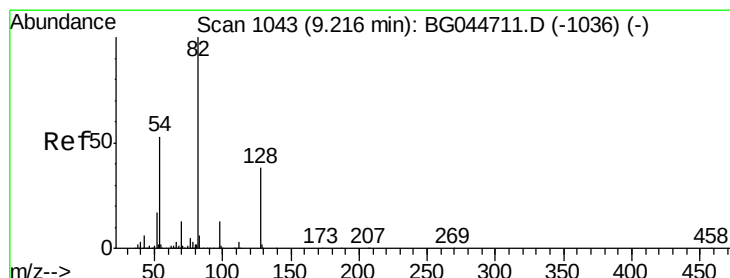
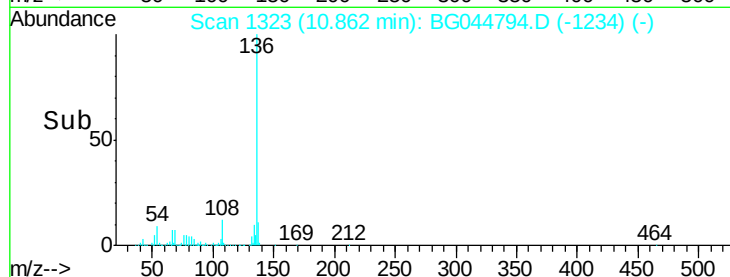
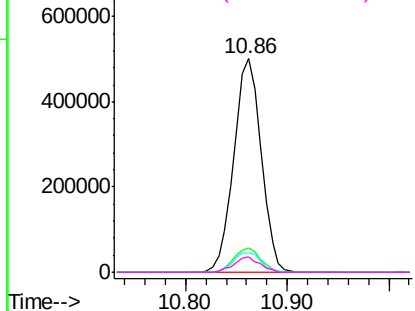
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.86 min Scan# 1323
Delta R.T. -0.01 min
Lab File: BG044794.D
Acq: 14 Mar 2020 11:47

Instrument :
BNA_G
ClientSampleId :
MC5B40

Tgt Ion:	136	Resp:	935922
Ion	Ratio	Lower	Upper
136	100		
137	11.2	10.7	16.1
54	9.1	9.0	13.4
68	7.2	5.9	8.9

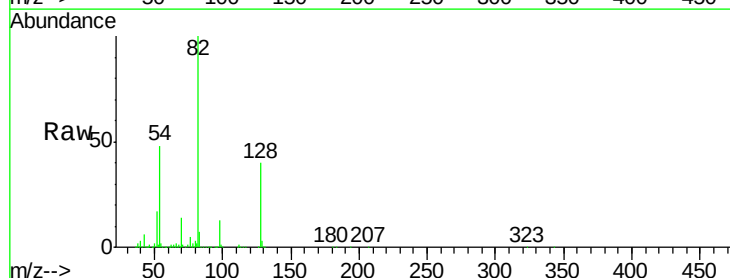


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

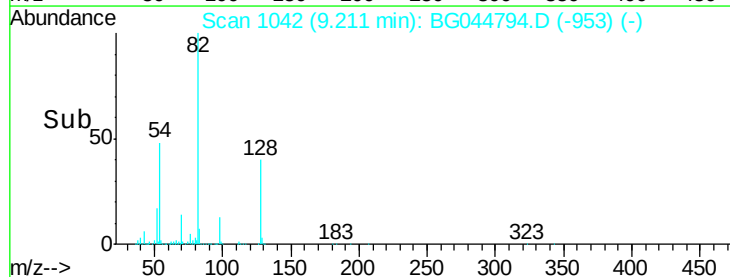
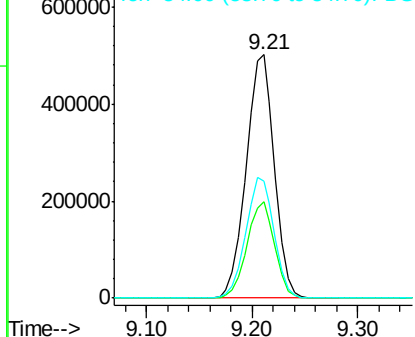


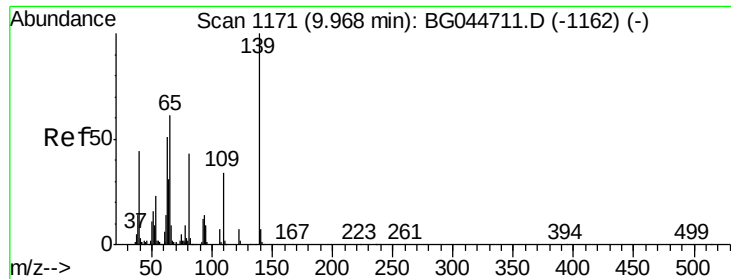
#23
Nitrobenzene-d5
Concen: 43.66 ng
RT: 9.21 min Scan# 1042
Delta R.T. -0.01 min
Lab File: BG044794.D
Acq: 14 Mar 2020 11:47

Tgt Ion:	82	Resp:	931161
Ion	Ratio	Lower	Upper
82	100		
128	39.6	30.2	45.2
54	48.0	41.8	62.8



Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BGC

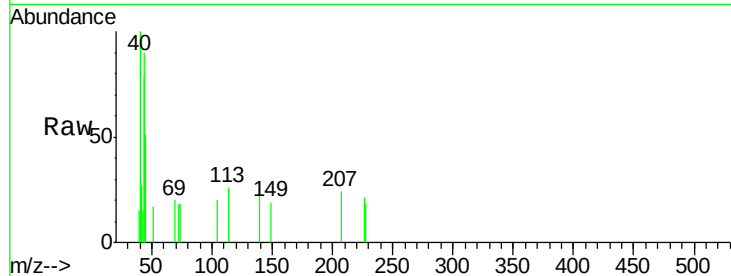




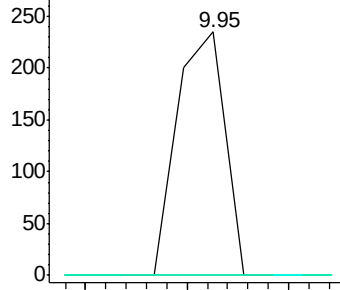
#26
2-Nitrophenol
Concen: 5.53 ng
RT: 9.95 min Scan# 1167
Delta R.T. -0.02 min
Lab File: BG044794.D
Acq: 14 Mar 2020 11:47

Instrument :
BNA_G
ClientSampleId :
MC5B40

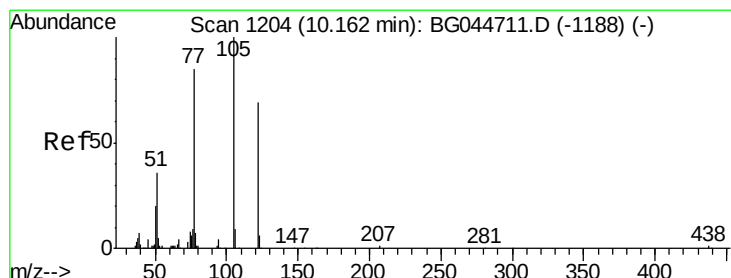
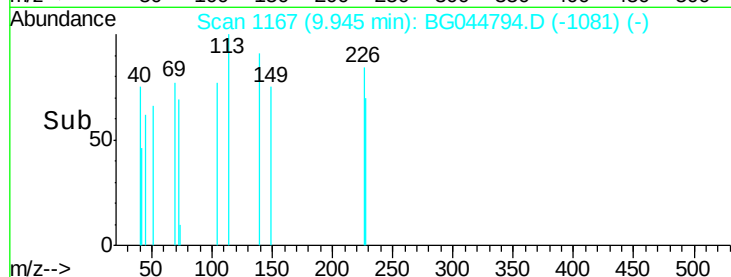
Tgt Ion	Ratio	Lower	Upper
139	100		
109	0.0	27.0	40.4#
65	0.0	48.6	73.0#



Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BGC

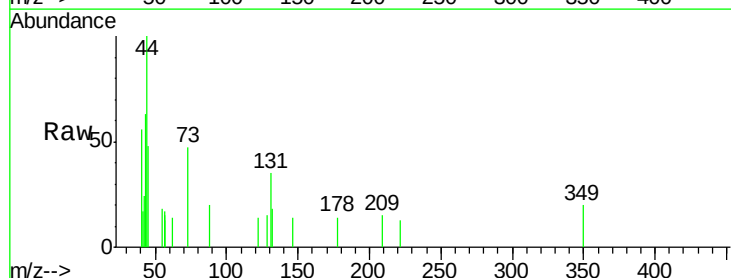


Time-->

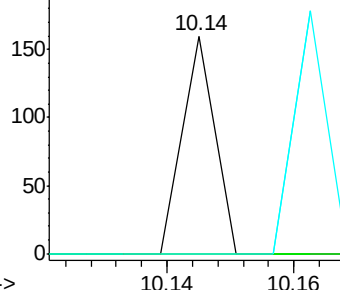


#32
Benzoic acid
Concen: 9.67 ng
RT: 10.14 min Scan# 1201
Delta R.T. -0.02 min
Lab File: BG044794.D
Acq: 14 Mar 2020 11:47

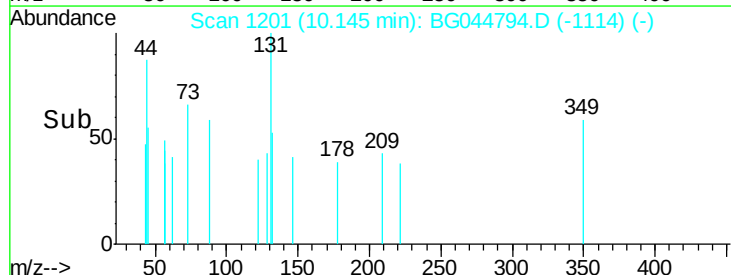
Tgt Ion	Ratio	Lower	Upper
122	100		
105	0.0	119.0	159.0#
77	0.0	96.4	136.4#

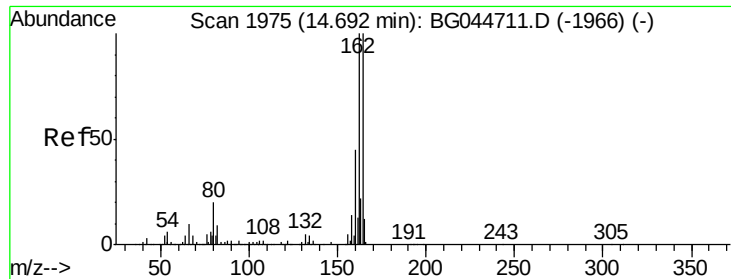


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BGC



Time-->

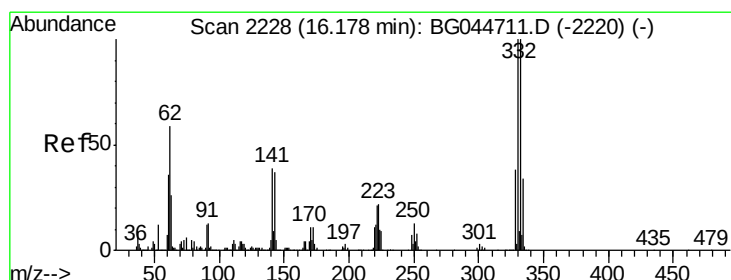
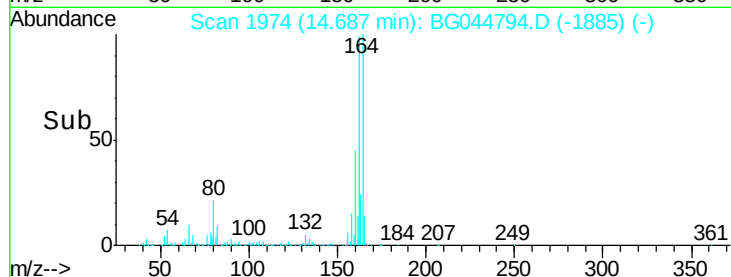
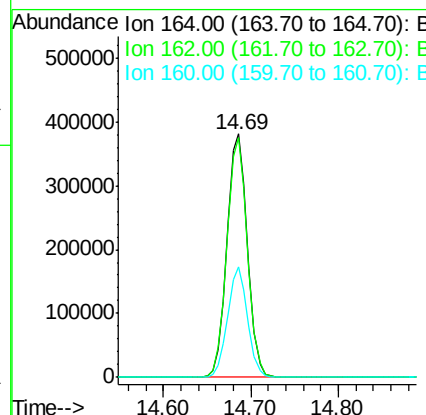
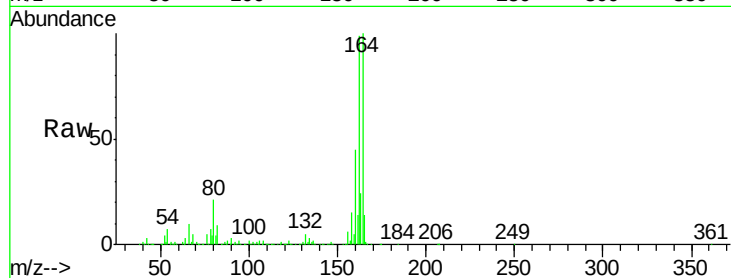




#39
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 14.69 min Scan# 1974
 Delta R.T. -0.01 min
 Lab File: BG044794.D
 Acq: 14 Mar 2020 11:47

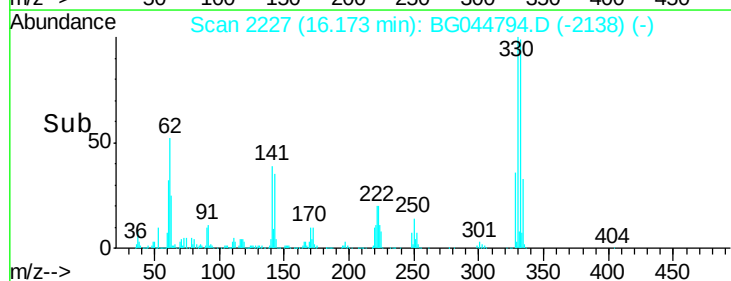
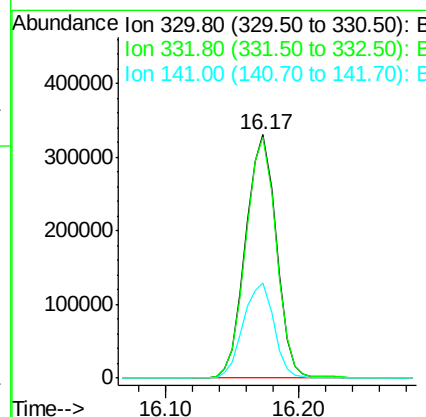
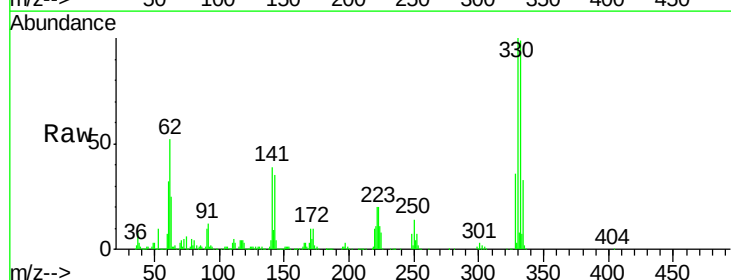
Instrument :
 BNA_G
 ClientSampleId :
 MC5B40

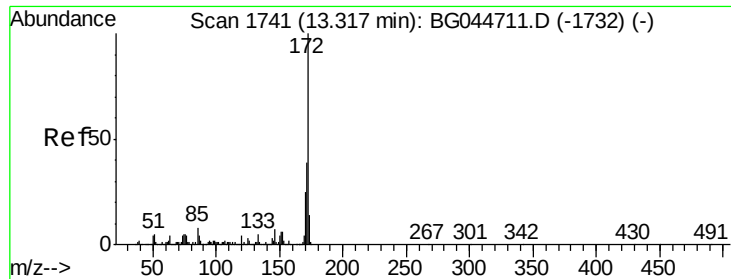
Tgt Ion:164 Resp: 613131
 Ion Ratio Lower Upper
 164 100
 162 98.6 80.2 120.4
 160 45.4 36.2 54.2



#42
 2,4,6-Tribromophenol
 Concen: 65.28 ng
 RT: 16.17 min Scan# 2227
 Delta R.T. -0.01 min
 Lab File: BG044794.D
 Acq: 14 Mar 2020 11:47

Tgt Ion:330 Resp: 524101
 Ion Ratio Lower Upper
 330 100
 332 98.7 77.5 116.3
 141 39.2 31.7 47.5





#45

2-Fluorobiphenyl

Concen: 43.00 ng

RT: 13.31 min Scan# 1740

Delta R.T. -0.01 min

Lab File: BG044794.D

Acq: 14 Mar 2020 11:47

Instrument :

BNA_G

ClientSampled :

MC5B40

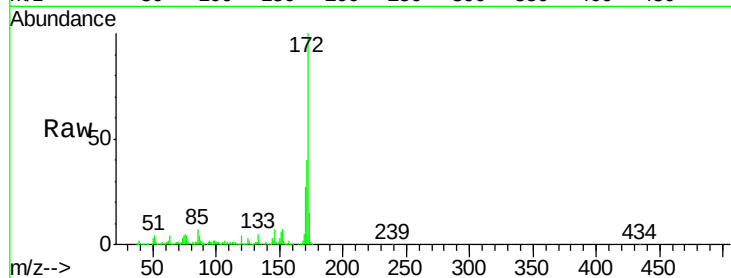
Tgt Ion:172 Resp: 1841035

Ion Ratio Lower Upper

172 100

171 40.3 30.8 46.2

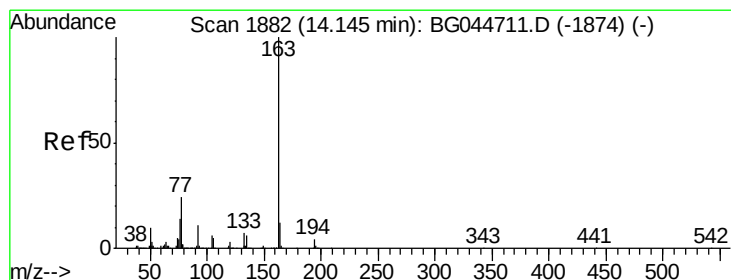
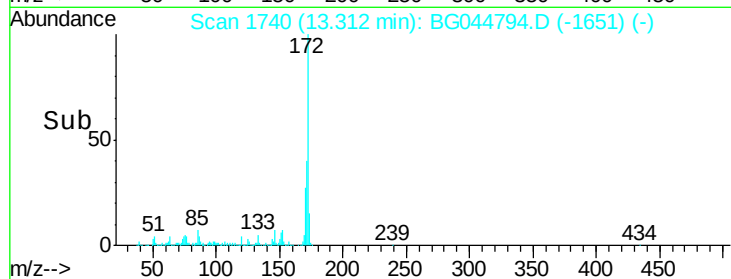
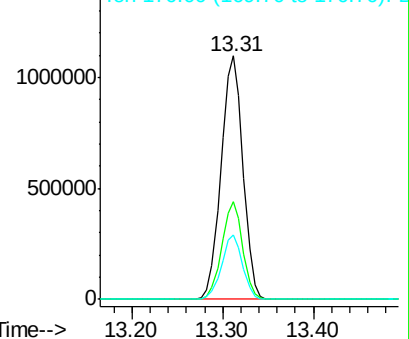
170 26.6 20.0 30.0



Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#50

Dimethylphthalate

Concen: 3.76 ng

RT: 14.13 min Scan# 1880

Delta R.T. -0.01 min

Lab File: BG044794.D

Acq: 14 Mar 2020 11:47

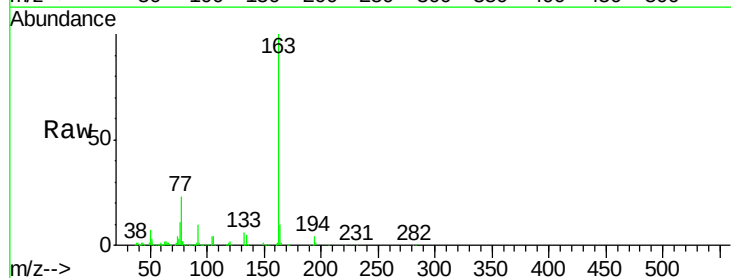
Tgt Ion:163 Resp: 183796

Ion Ratio Lower Upper

163 100

194 4.1 3.5 5.3

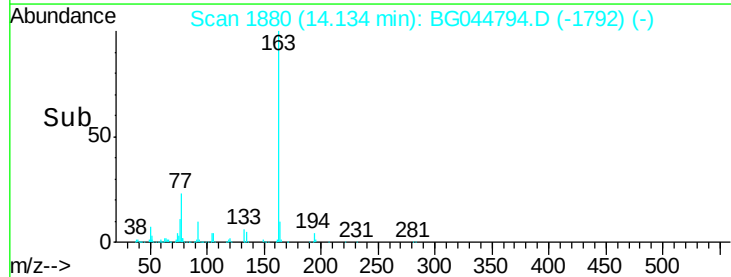
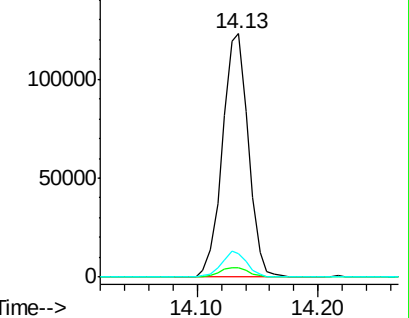
164 9.6 9.2 13.8

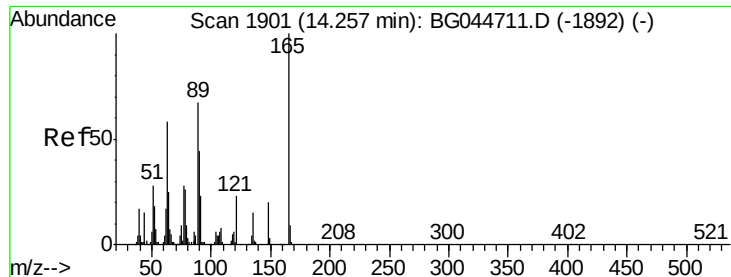


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

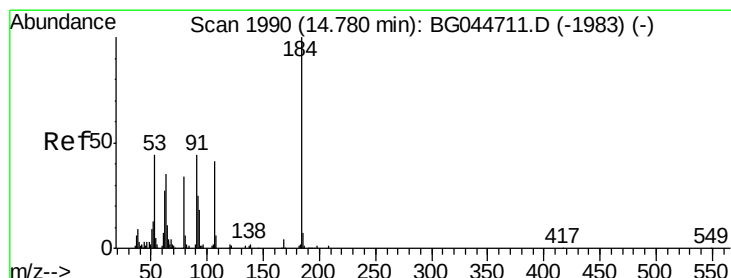
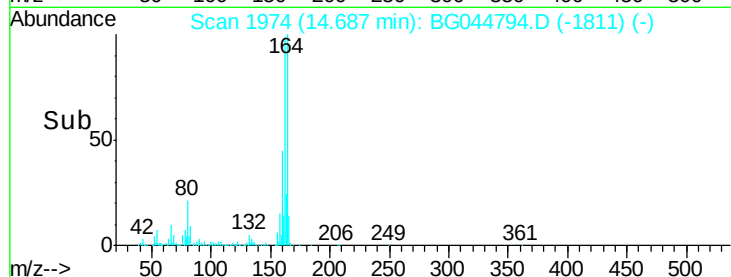
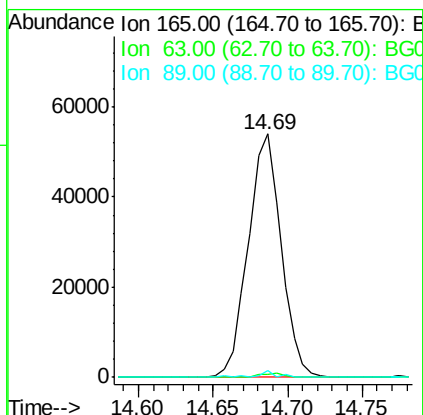
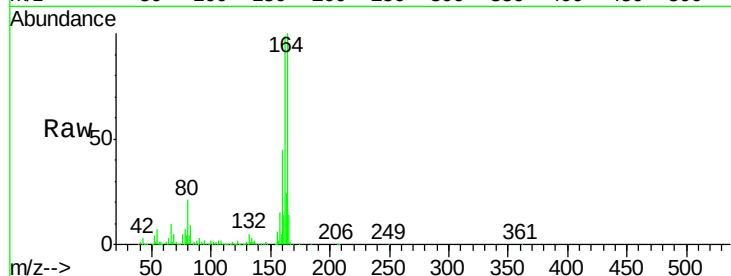




#51
2,6-Dinitrotoluene
Concen: 8.36 ng
RT: 14.69 min Scan# 1974
Delta R.T. 0.43 min
Lab File: BG044794.D
Acq: 14 Mar 2020 11:47

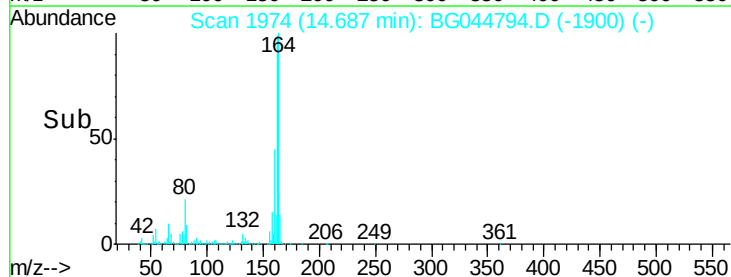
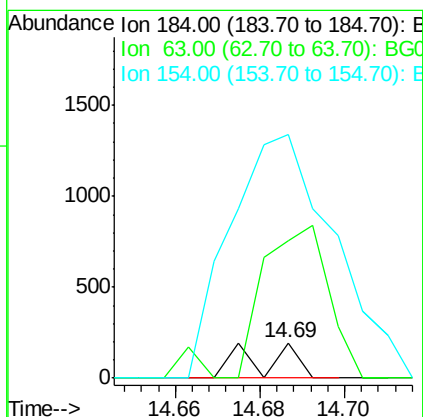
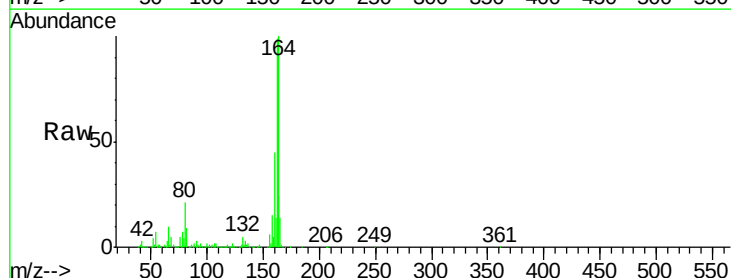
Instrument :
BNA_G
ClientSampleId :
MC5B40

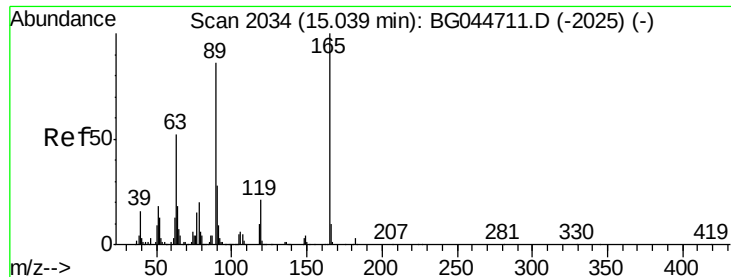
Tgt Ion:165 Resp: 82288
Ion Ratio Lower Upper
165 100
63 1.4 48.9 73.3#
89 2.6 53.8 80.8#



#54
2,4-Dinitrophenol
Concen: 8.35 ng
RT: 14.69 min Scan# 1974
Delta R.T. -0.09 min
Lab File: BG044794.D
Acq: 14 Mar 2020 11:47

Tgt Ion:184 Resp: 135
Ion Ratio Lower Upper
184 100
63 390.2 49.0 73.6#
154 690.2 94.5 141.7#

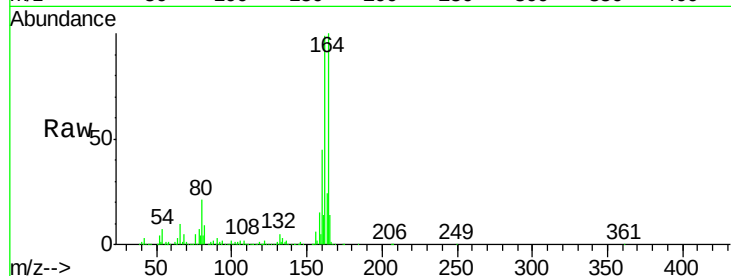




#57
2,4-Dinitrotoluene
Concen: 6.10 ng
RT: 14.69 min Scan# 1974
Delta R.T. -0.35 min
Lab File: BG044794.D
Acq: 14 Mar 2020 11:47

Instrument :
BNA_G
ClientSampleId :
MC5B40

Tgt Ion	Ratio	Resp	Lower	Upper
165	100	82288		
63	1.4	41.5	62.3#	
89	2.6	69.0	103.4#	
182	0.0	2.7	4.1#	



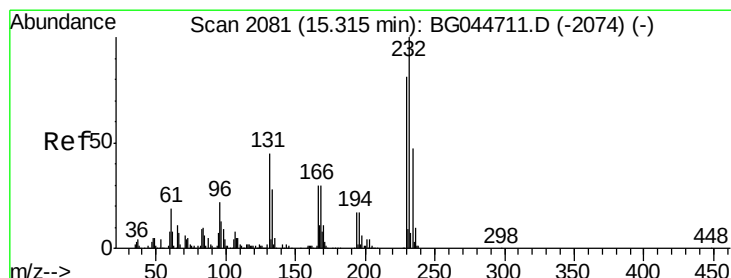
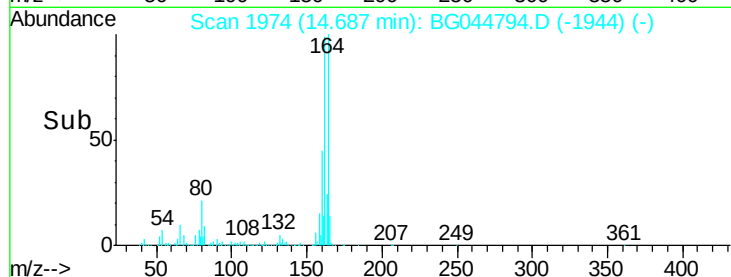
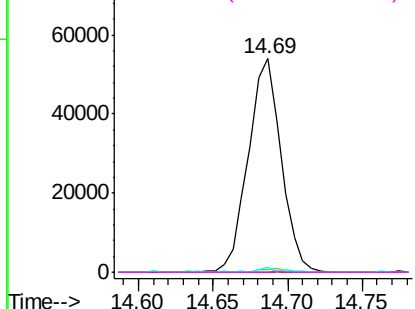
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

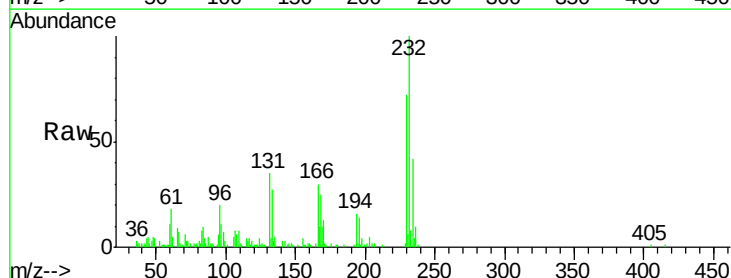
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#59
2,3,4,6-Tetrachlorophenol
Concen: 2.44 ng
RT: 15.31 min Scan# 2080
Delta R.T. -0.01 min
Lab File: BG044794.D
Acq: 14 Mar 2020 11:47

Tgt Ion	Ratio	Resp	Lower	Upper
232	100	31253		
131	43.2	32.4	48.6	
130	0.8	2.0	3.0#	
166	33.4	20.5	30.7#	



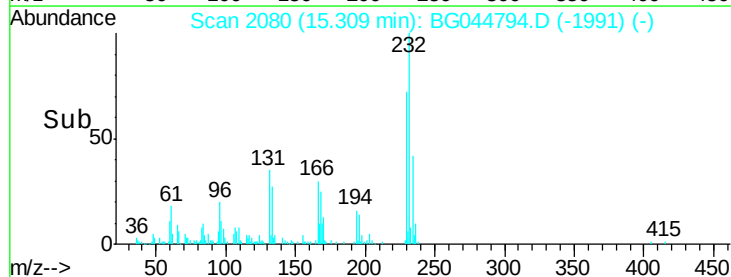
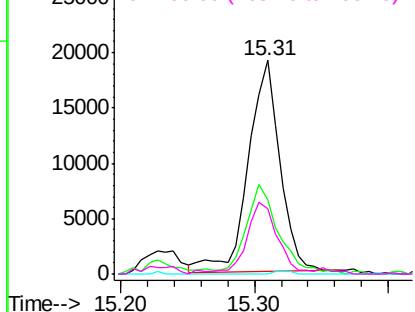
Abundance

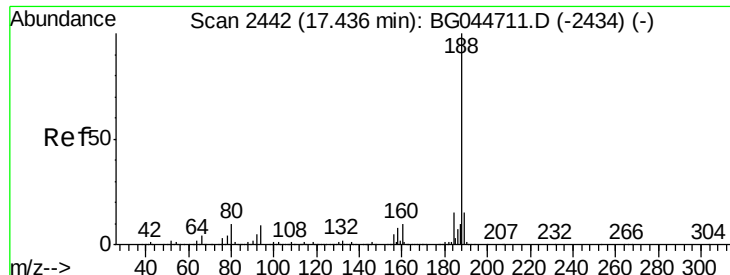
Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E

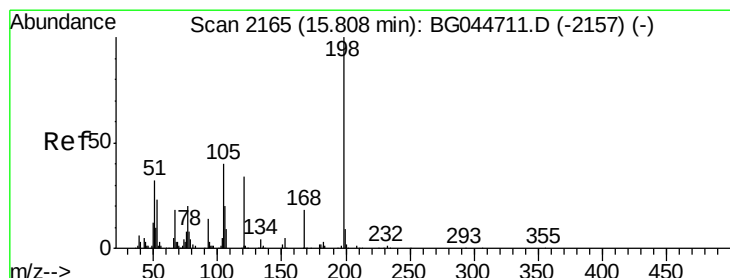
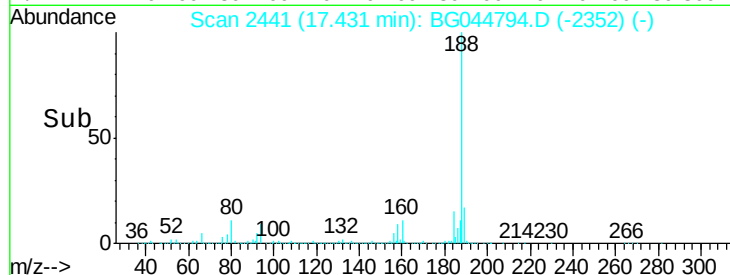
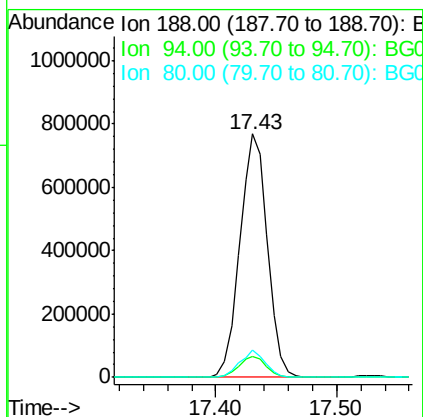
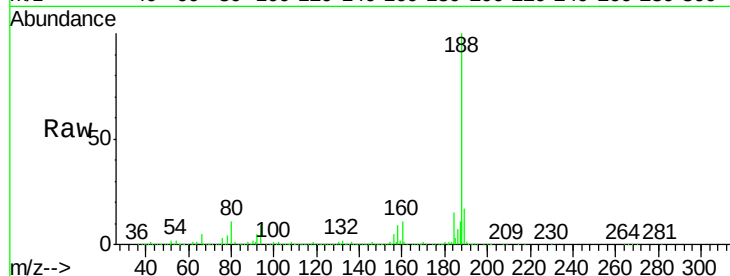




#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.43 min Scan# 2441
Delta R.T. -0.01 min
Lab File: BG044794.D
Acq: 14 Mar 2020 11:47

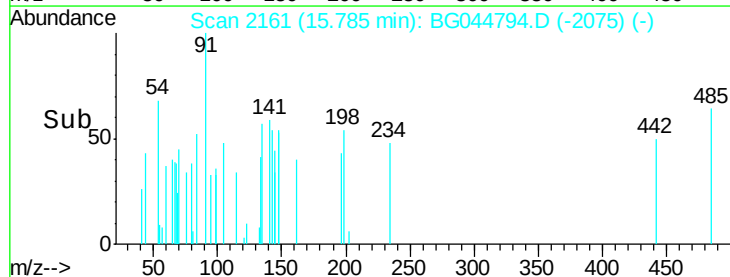
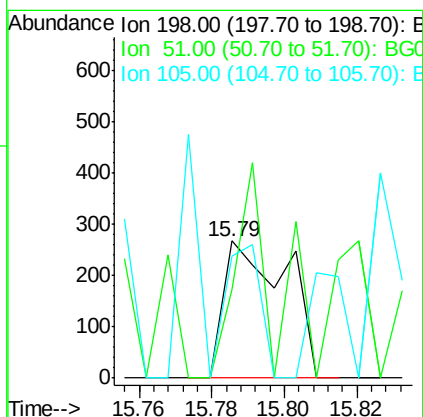
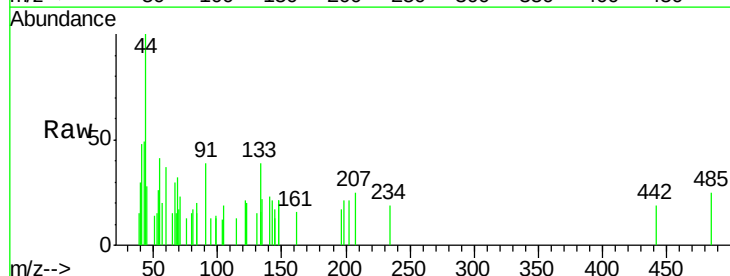
Instrument :
BNA_G
ClientSampleId :
MC5B40

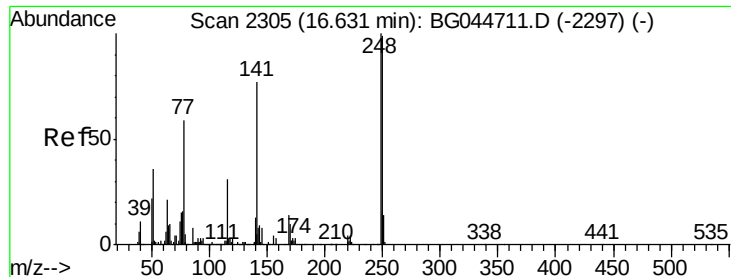
Tgt Ion:188 Resp: 1216099
Ion Ratio Lower Upper
188 100
94 8.8 7.0 10.6
80 11.0 8.4 12.6



#65
4,6-Dinitro-2-methylphenol
Concen: 7.78 ng
RT: 15.79 min Scan# 2161
Delta R.T. -0.02 min
Lab File: BG044794.D
Acq: 14 Mar 2020 11:47

Tgt Ion:198 Resp: 322
Ion Ratio Lower Upper
198 100
51 64.6 20.1 60.1#
105 88.8 21.3 61.3#

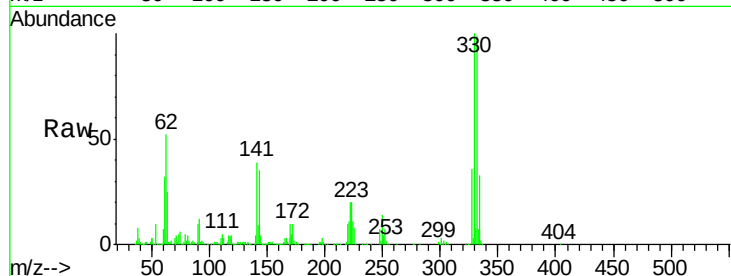




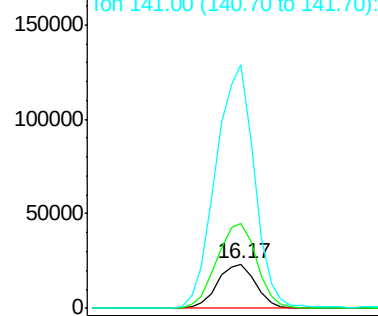
#67
4-Bromophenyl-phenylether
Concen: 2.44 ng
RT: 16.17 min Scan# 2227
Delta R.T. -0.46 min
Lab File: BG044794.D
Acq: 14 Mar 2020 11:47

Instrument :
BNA_G
ClientSampleId :
MC5B40

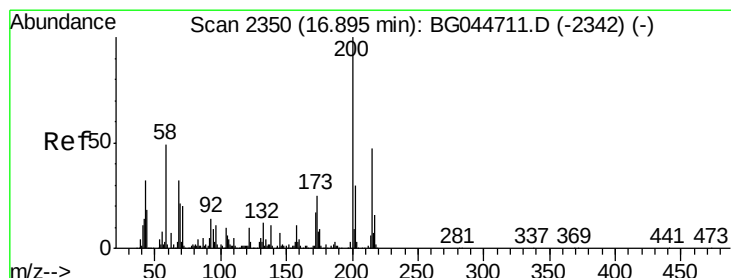
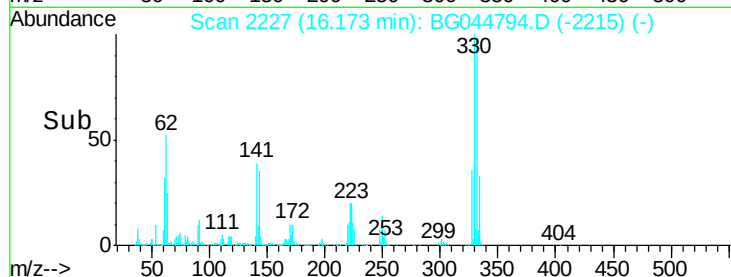
Tgt Ion:248 Resp: 37155
Ion Ratio Lower Upper
248 100
250 190.4 79.4 119.0#
141 547.8 61.7 92.5#



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

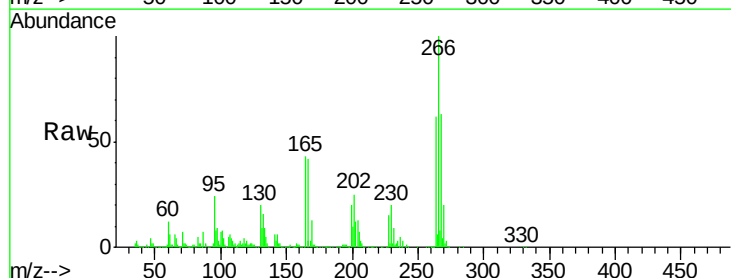


Time--> 16.10 16.15 16.20

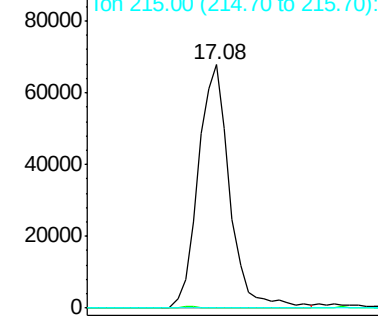


#69
Atrazine
Concen: 8.34 ng
RT: 17.08 min Scan# 2382
Delta R.T. 0.19 min
Lab File: BG044794.D
Acq: 14 Mar 2020 11:47

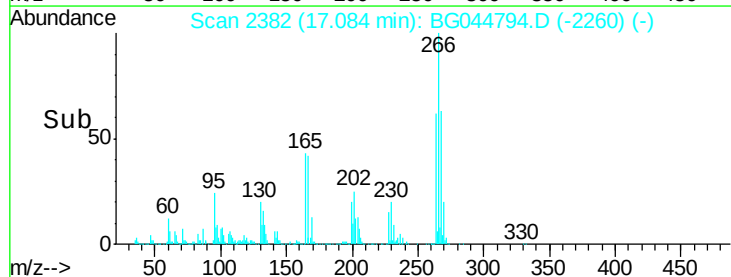
Tgt Ion:200 Resp: 111819
Ion Ratio Lower Upper
200 100
173 0.3 4.8 44.8#
215 0.3 27.4 67.4#

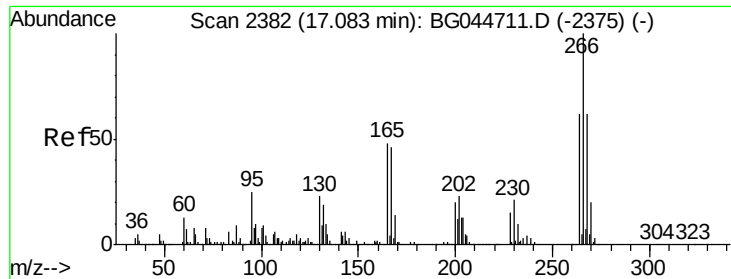


Abundance Ion 200.00 (199.70 to 200.70): E
Ion 173.00 (172.70 to 173.70): E
Ion 215.00 (214.70 to 215.70): E



Time--> 17.00 17.10

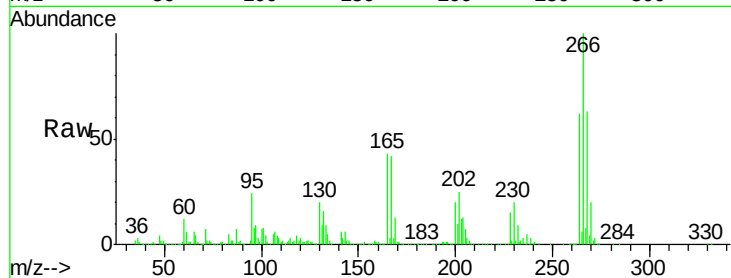




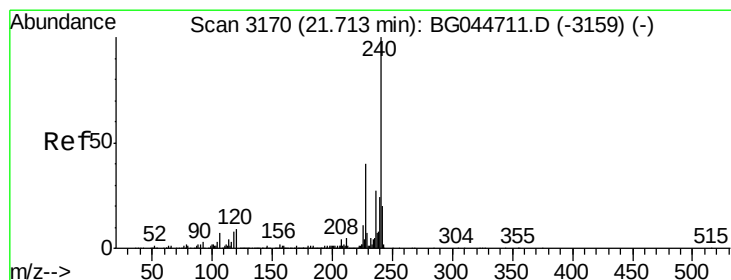
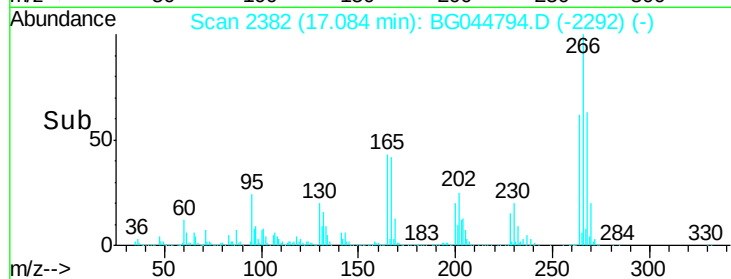
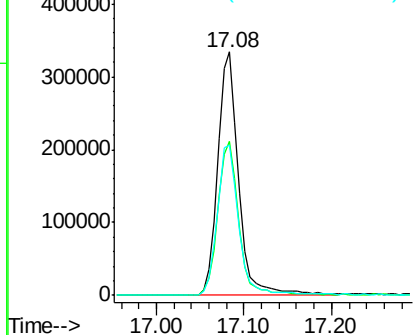
#70
 Pentachlorophenol
 Concen: 61.19 ng
 RT: 17.08 min Scan# 2382
 Delta R.T. 0.00 min
 Lab File: BG044794.D
 Acq: 14 Mar 2020 11:47

Instrument :
 BNA_G
 ClientSampled :
 MC5B40

Tgt Ion	Ratio	Lower	Upper
266	100		
268	63.1	49.9	74.9
264	61.7	49.9	74.9

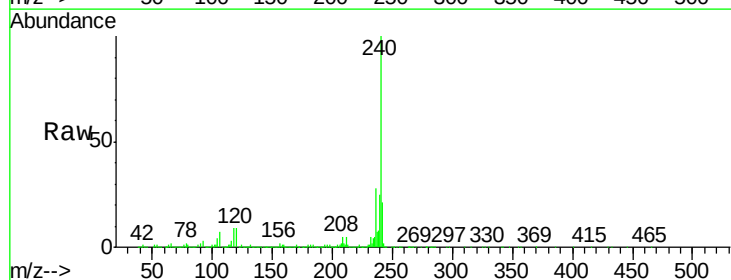


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

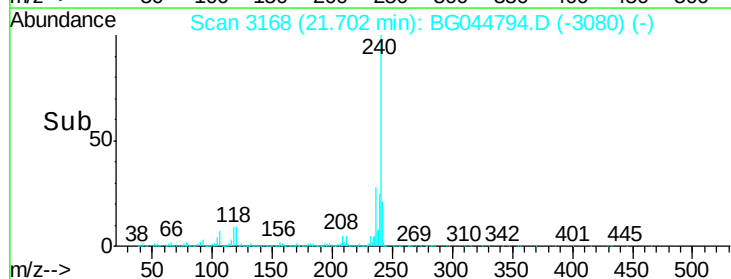
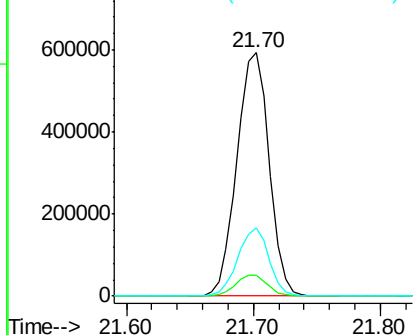


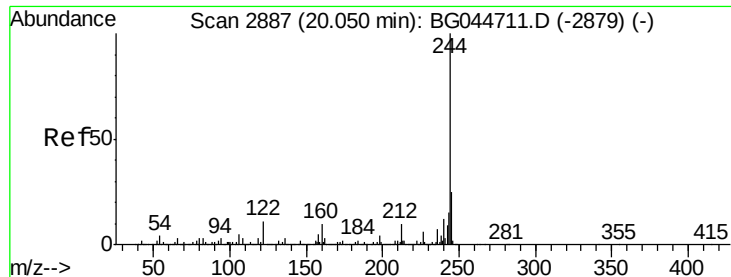
#76
 Chrysene-d12
 Concen: 20.00 ng
 RT: 21.70 min Scan# 3168
 Delta R.T. -0.01 min
 Lab File: BG044794.D
 Acq: 14 Mar 2020 11:47

Tgt Ion	Ratio	Lower	Upper
240	100		
120	8.7	6.9	10.3
236	28.1	21.9	32.9



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





#79

Terphenyl-d14

Concen: 43.36 ng

RT: 20.05 min Scan# 2886

Delta R.T. -0.01 min

Lab File: BG044794.D

Acq: 14 Mar 2020 11:47

Instrument :

BNA_G

ClientSampleId :

MC5B40

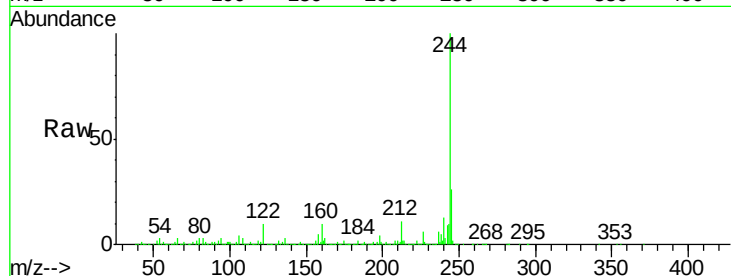
Tgt Ion:244 Resp: 2423000

Ion Ratio Lower Upper

244 100

212 10.7 8.4 12.6

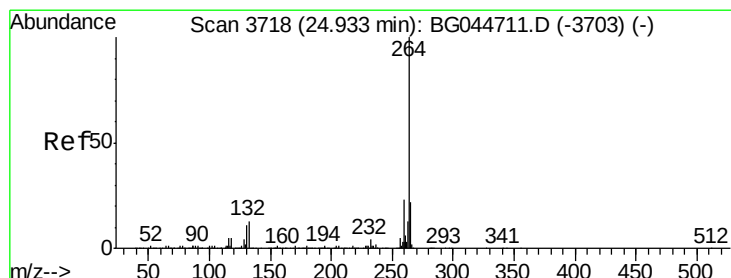
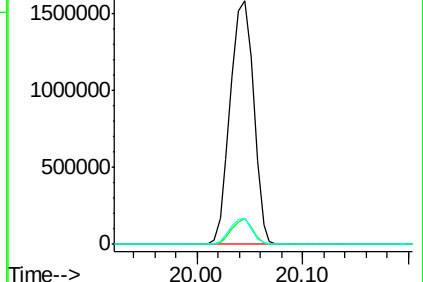
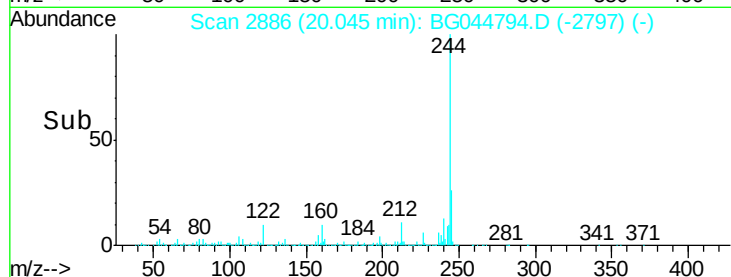
122 10.5 8.7 13.1



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#87

Perylene-d12

Concen: 20.00 ng

RT: 24.92 min Scan# 3716

Delta R.T. -0.01 min

Lab File: BG044794.D

Acq: 14 Mar 2020 11:47

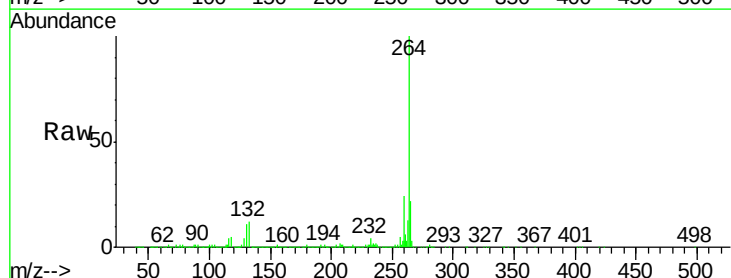
Tgt Ion:264 Resp: 1189125

Ion Ratio Lower Upper

264 100

260 23.6 18.4 27.6

265 21.8 17.4 26.2



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

