

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG031320\
 Data File : BG044778.D
 Acq On : 13 Mar 2020 22:14
 Operator : CG/JU
 Sample : L1752-01 2X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 14 00:21:02 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	133027	20.00	ng	0.00
21) Naphthalene-d8	10.86	136	504688	20.00	ng	0.00
39) Acenaphthene-d10	14.69	164	309827	20.00	ng	0.00
64) Phenanthrene-d10	17.43	188	621583	20.00	ng	0.00
76) Chrysene-d12	21.70	240	545852	20.00	ng	-0.01
87) Perylene-d12	24.93	264	637571	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.62	112	373418	43.70	ng	0.00
7) Phenol-d6	7.21	99	545704	43.95	ng	0.00
23) Nitrobenzene-d5	9.20	82	354072	30.79	ng	-0.01
42) 2,4,6-Tribromophenol	16.17	330	171691	42.32	ng	0.00
45) 2-Fluorobiphenyl	13.31	172	680508	31.45	ng	0.00
79) Terphenyl-d14	20.05	244	902578	30.93	ng	0.00

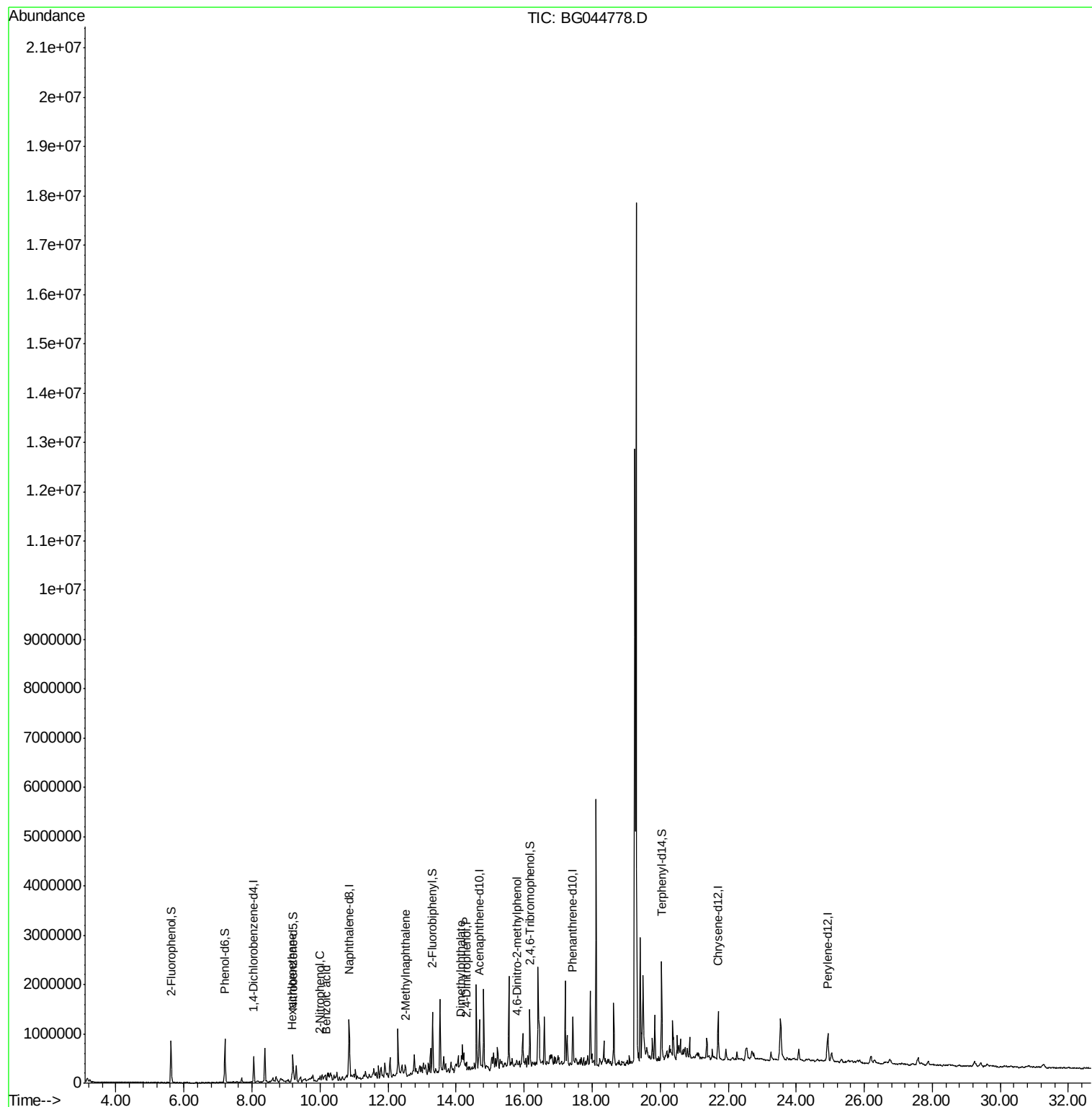
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.16	77	1367	Below Cal		# 1
18) Hexachloroethane	9.18	117	13399	3.276	ng	# 1
26) 2-Nitrophenol	9.99	139	480	5.618	ng	# 1
32) Benzoic acid	10.18	122	85	9.682	ng	# 4
37) 2-Methylnaphthalene	12.51	142	47640	2.278	ng	# 91
50) Dimethylphthalate	14.13	163	87135	3.531	ng	# 96
54) 2,4-Dinitrophenol	14.30	184	467	8.484	ng	# 88
65) 4,6-Dinitro-2-methylphenol	15.80	198	190	7.783	ng	# 1

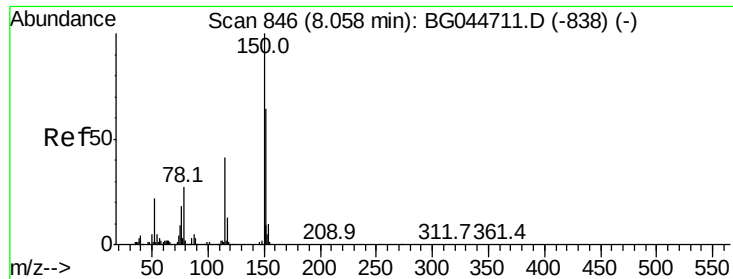
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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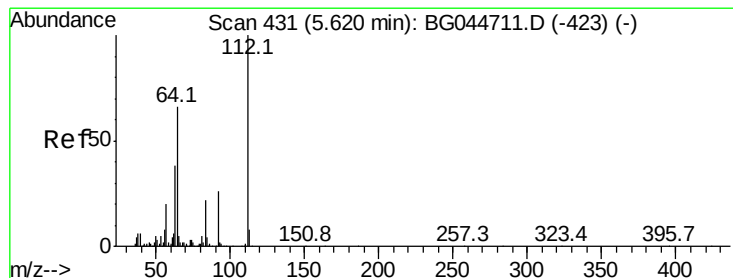
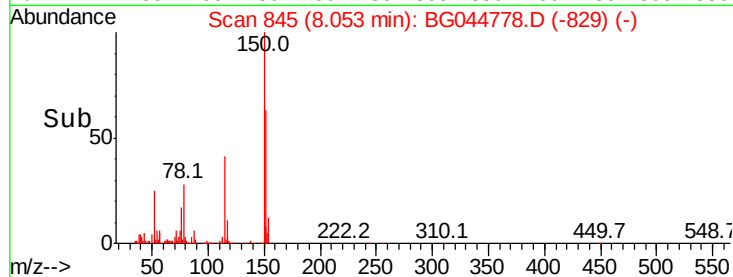
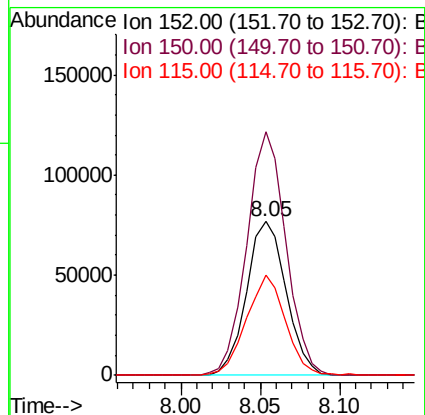
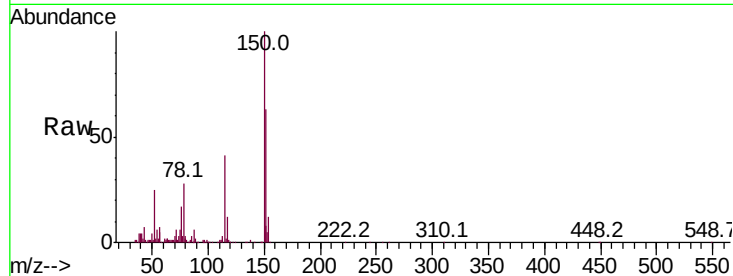


#1

1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.05 min Scan# 845
 Delta R.T. -0.01 min
 Lab File: BG044778.D
 Acq: 13 Mar 2020 22:14

Instrument :
 BNA_G
 ClientSampleId :

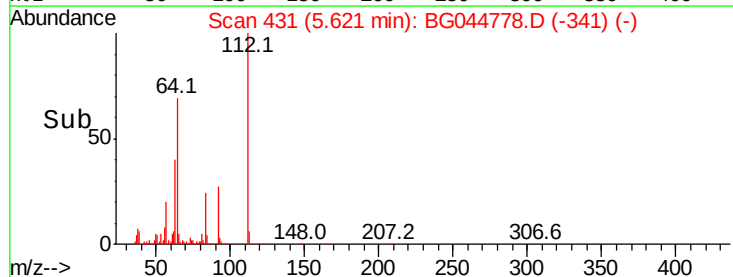
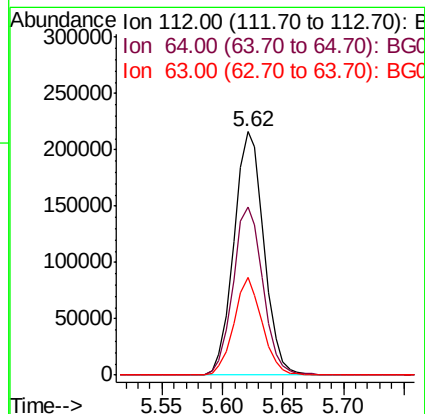
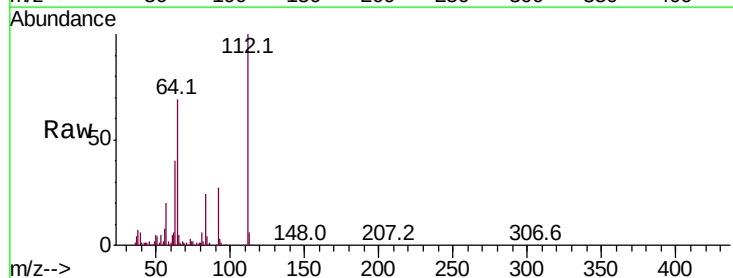
Tot Ion	Ratio	Lower	Upper
152	100		
150	158.5	125.3	187.9
115	65.6	51.7	77.5

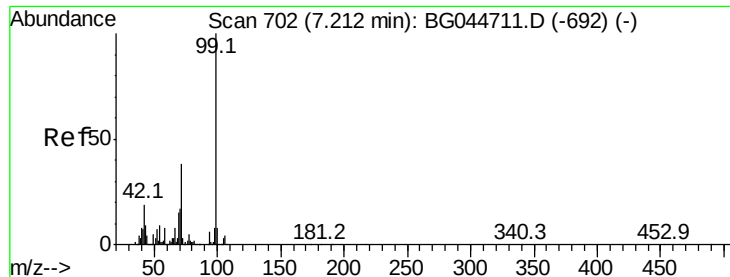


#5

2-Fluorophenol
 Concen: 43.698 ng
 RT: 5.62 min Scan# 431
 Delta R.T. 0.00 min
 Lab File: BG044778.D
 Acq: 13 Mar 2020 22:14

Tgt Ion	Ratio	Lower	Upper
112	100		
64	69.2	52.6	78.8
63	40.1	30.2	45.4





#7

Phenol-d6

Concen: 43.952 ng

RT: 7.21 min Scan# 701

Delta R.T. -0.01 min

Lab File: BG044778.D

Acq: 13 Mar 2020 22:14

Instrument :

BNA_G

ClientSampled :

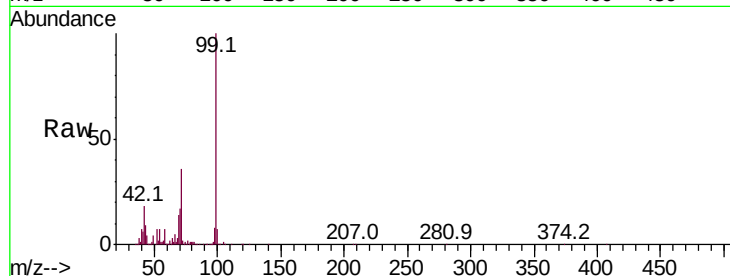
Tot Ion: 99 Resp: 545704

Ion Ratio Lower Upper

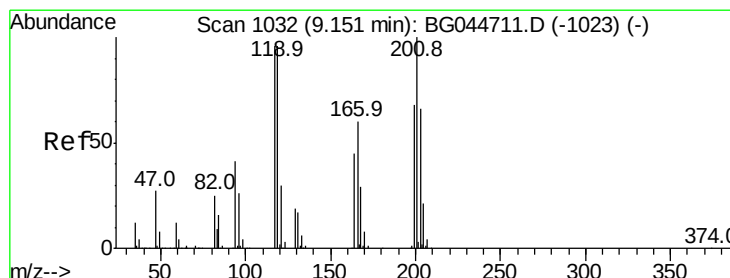
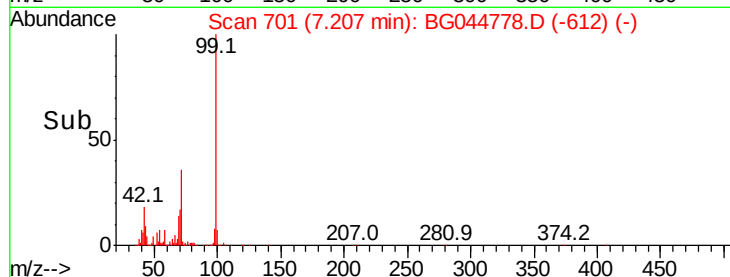
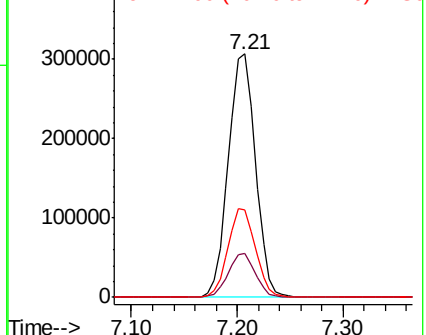
99 100

42 17.8 15.4 23.0

71 35.8 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



#18

Hexachloroethane

Concen: 3.276 ng

RT: 9.18 min Scan# 1036

Delta R.T. 0.02 min

Lab File: BG044778.D

Acq: 13 Mar 2020 22:14

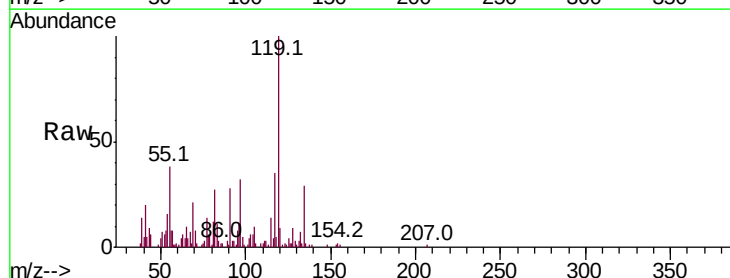
Tgt Ion: 117 Resp: 13399

Ion Ratio Lower Upper

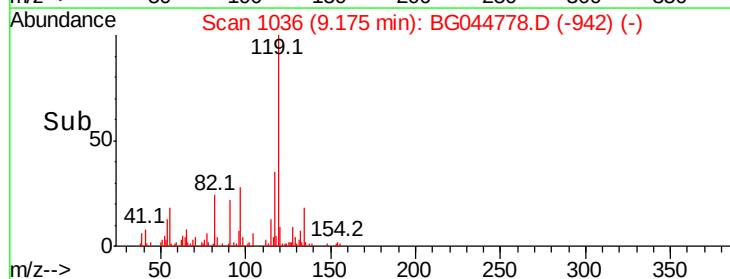
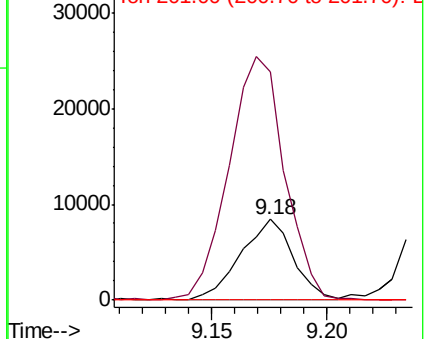
117 100

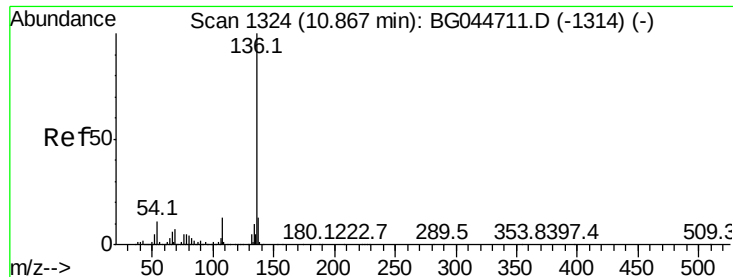
119 284.0 80.2 120.4#

201 0.0 83.4 125.2#



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

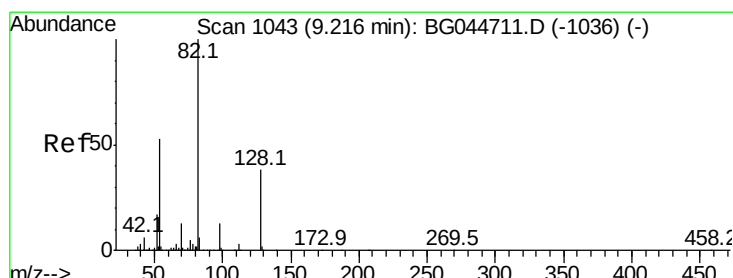
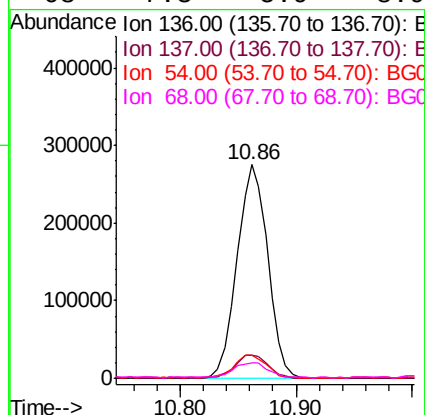
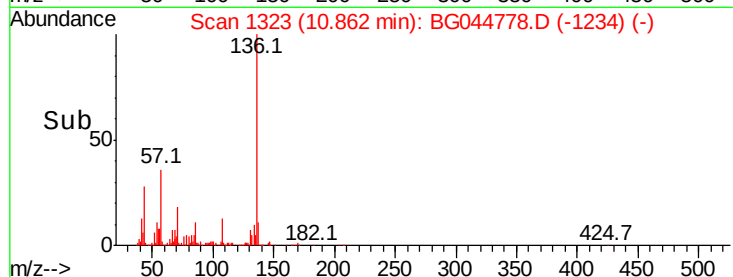
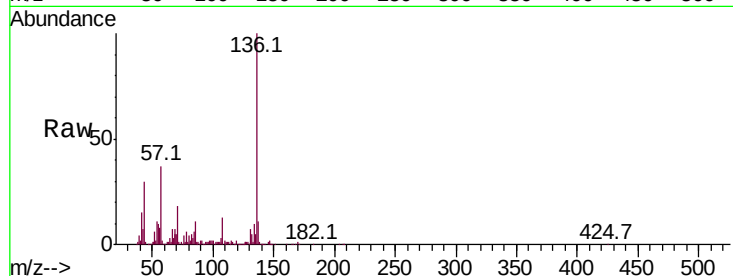




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.86 min Scan# 1323
Delta R.T. -0.01 min
Lab File: BG044778.D
Acq: 13 Mar 2020 22:14

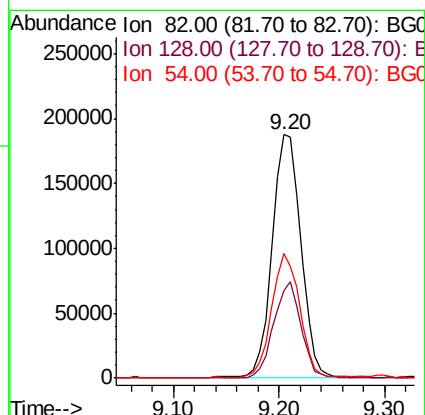
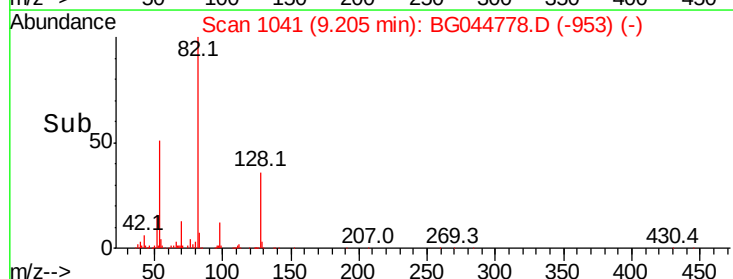
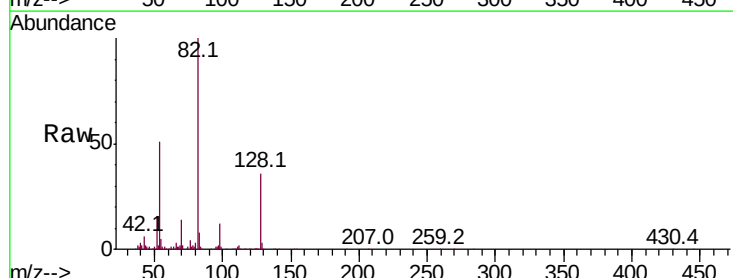
Instrument :
BNA_G
ClientSampleId :

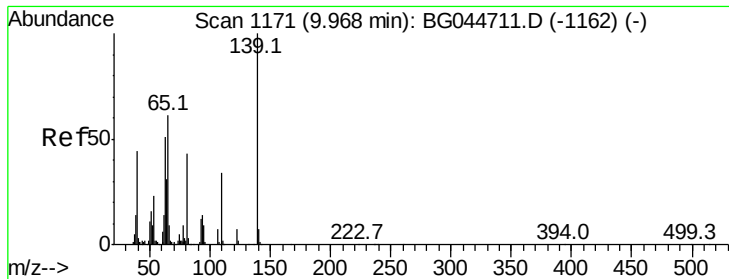
Tot Ion	Ratio	Lower	Upper
136	100		
137	10.5	10.7	16.1#
54	11.1	9.0	13.4
68	7.3	5.9	8.9



#23
Nitrobenzene-d5
Concen: 30.786 ng
RT: 9.20 min Scan# 1041
Delta R.T. -0.01 min
Lab File: BG044778.D
Acq: 13 Mar 2020 22:14

Tgt Ion	Ratio	Lower	Upper
82	100		
128	36.1	30.2	45.2
54	51.1	41.8	62.8





#26

2-Nitrophenol

Concen: 5.618 ng

RT: 9.99 min Scan# 1174

Delta R.T. 0.02 min

Lab File: BG044778.D

Acq: 13 Mar 2020 22:14

Instrument :

BNA_G

ClientSampleId :

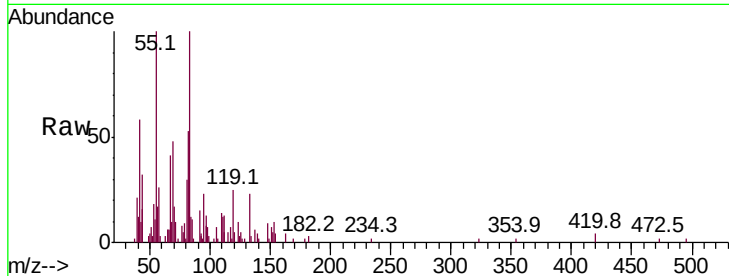
Tot Ion:139 Resp: 480

Ion Ratio Lower Upper

139 100

109 340.3 27.0 40.4#

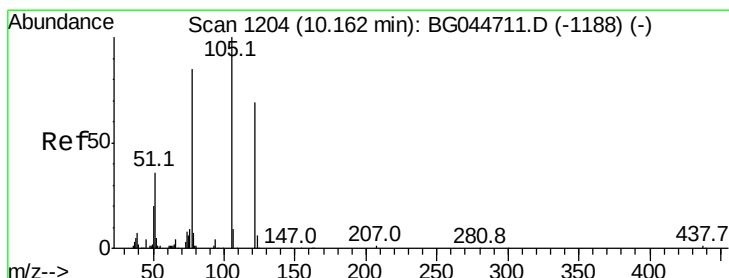
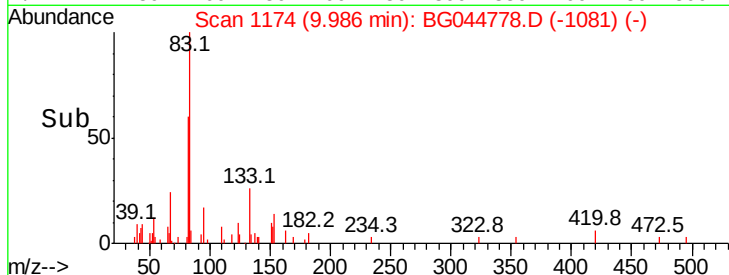
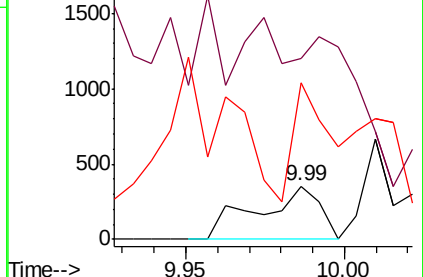
65 294.6 48.6 73.0#



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



#32

Benzoic acid

Concen: 9.682 ng

RT: 10.18 min Scan# 1207

Delta R.T. 0.02 min

Lab File: BG044778.D

Acq: 13 Mar 2020 22:14

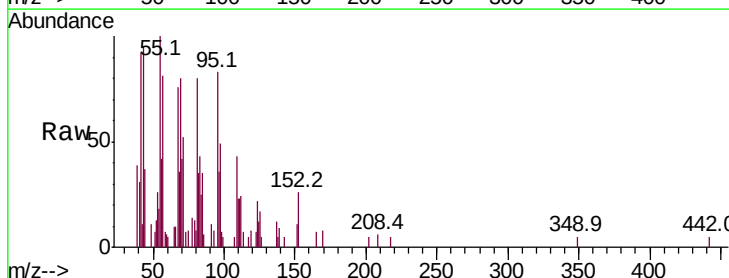
Tgt Ion:122 Resp: 85

Ion Ratio Lower Upper

122 100

105 0.0 119.0 159.0#

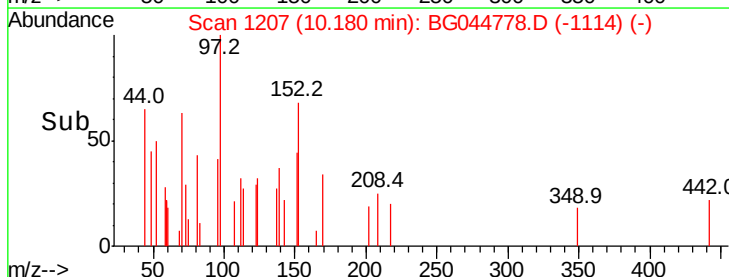
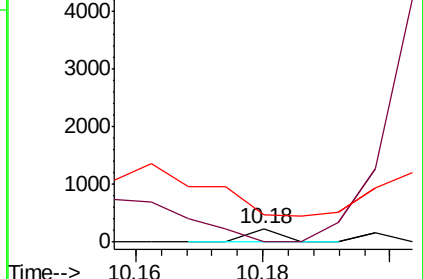
77 196.7 96.4 136.4#

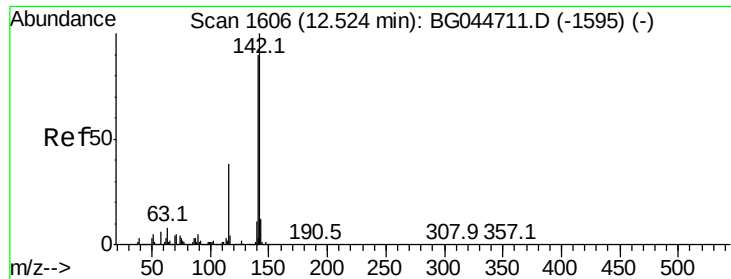


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BGC

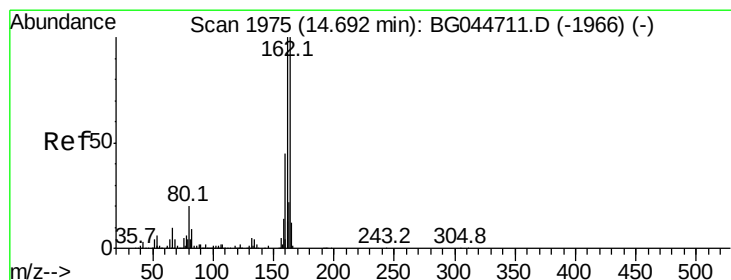
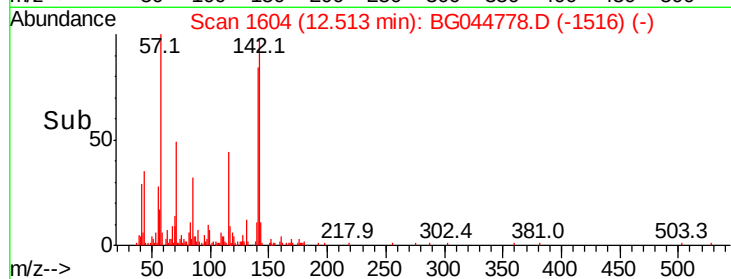
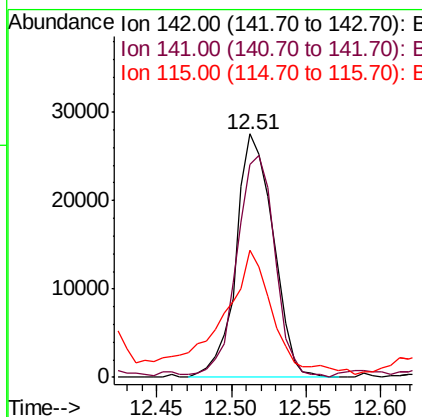
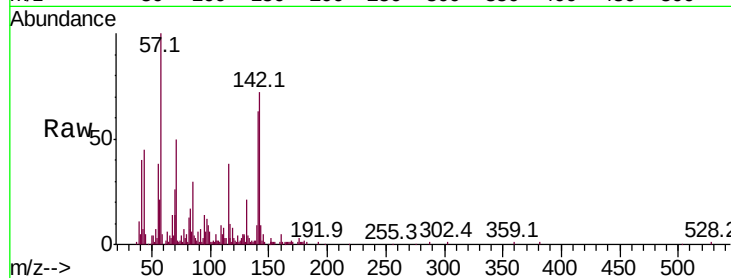




#37
 2-Methylnaphthalene
 Concen: 2.278 ng
 RT: 12.51 min Scan# 1604
 Delta R.T. -0.01 min
 Lab File: BG044778.D
 Acq: 13 Mar 2020 22:14

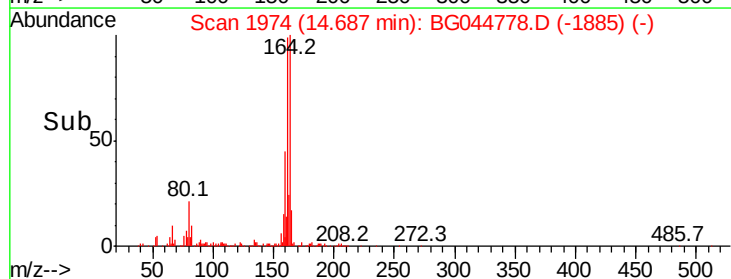
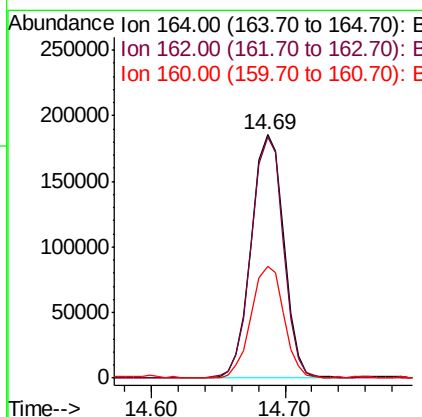
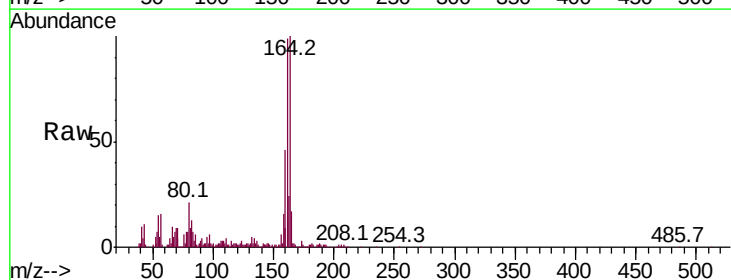
Instrument :
 BNA_G
 ClientSampleId :

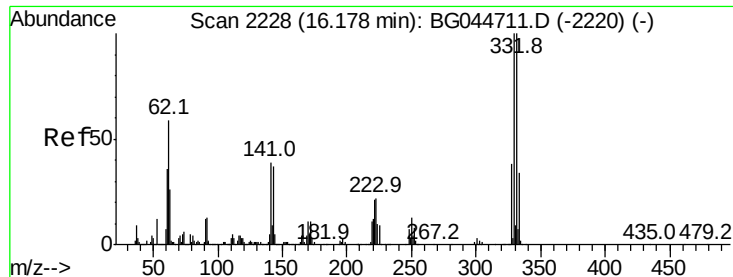
Tot Ion	Ratio	Lower	Upper
142	100		
141	87.2	72.3	108.5
115	52.4	30.6	45.8



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.69 min Scan# 1974
 Delta R.T. -0.01 min
 Lab File: BG044778.D
 Acq: 13 Mar 2020 22:14

Tgt Ion	Ratio	Lower	Upper
164	100		
162	99.1	80.2	120.4
160	45.9	36.2	54.2

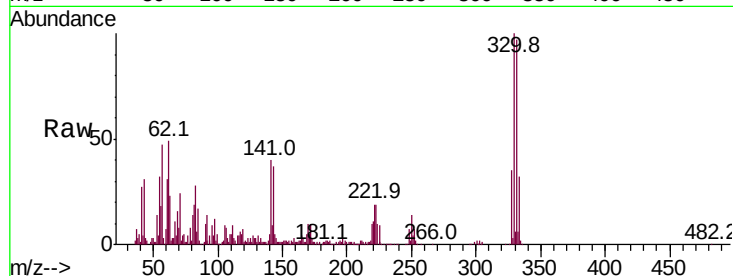




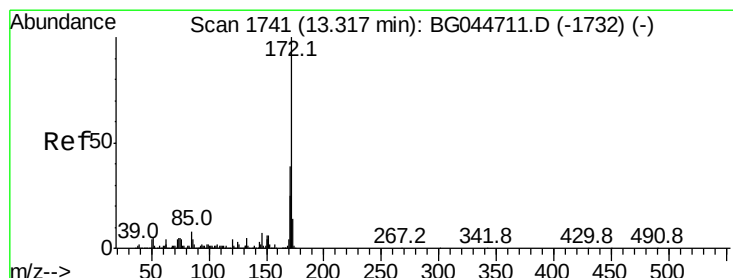
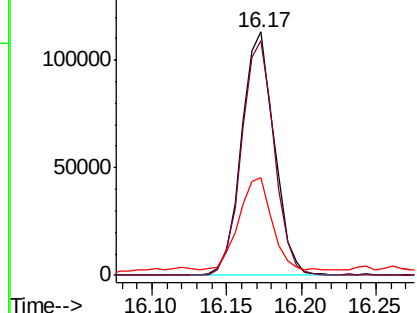
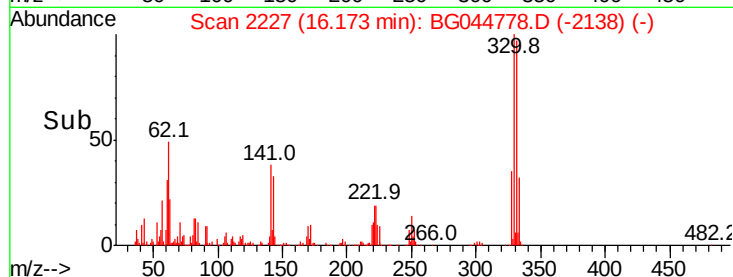
#42
 2,4,6-Tribromophenol
 Concen: 42.323 ng
 RT: 16.17 min Scan# 2227
 Delta R.T. -0.01 min
 Lab File: BG044778.D
 Acq: 13 Mar 2020 22:14

Instrument :
 BNA_G
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.2	77.5	116.3
141	38.8	31.7	47.5

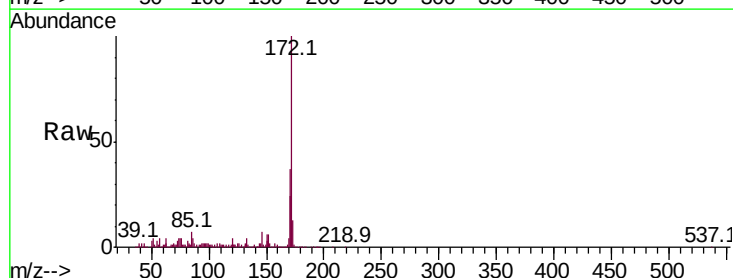


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

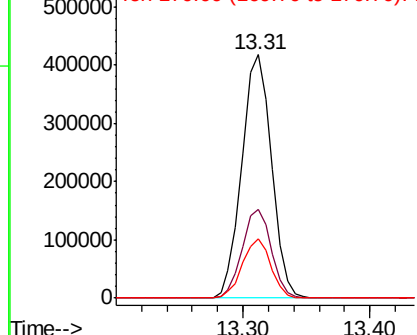
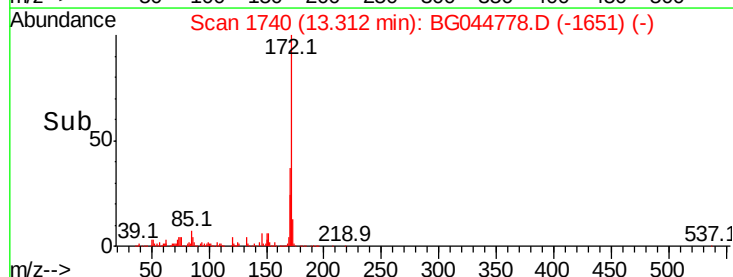


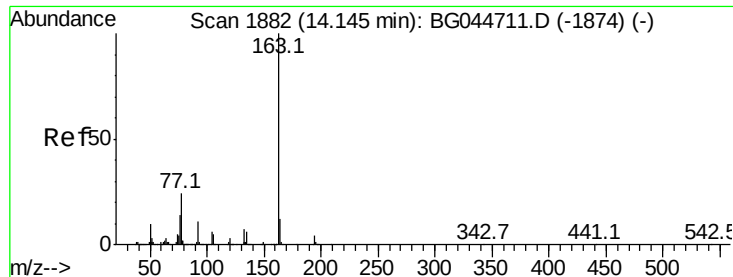
#45
 2-Fluorobiphenyl
 Concen: 31.453 ng
 RT: 13.31 min Scan# 1740
 Delta R.T. -0.01 min
 Lab File: BG044778.D
 Acq: 13 Mar 2020 22:14

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.6	30.8	46.2
170	24.5	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: 3.531 ng

RT: 14.13 min Scan# 1880

Delta R.T. -0.01 min

Lab File: BG044778.D

Acq: 13 Mar 2020 22:14

Instrument :

BNA_G

ClientSampleId :

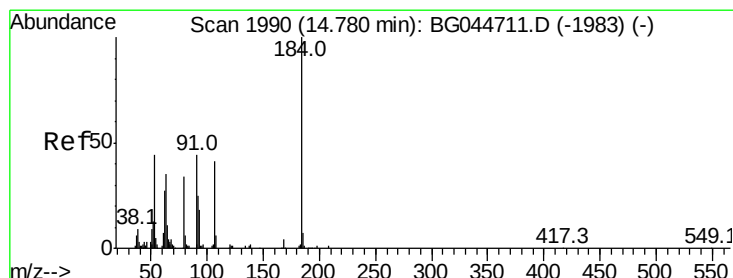
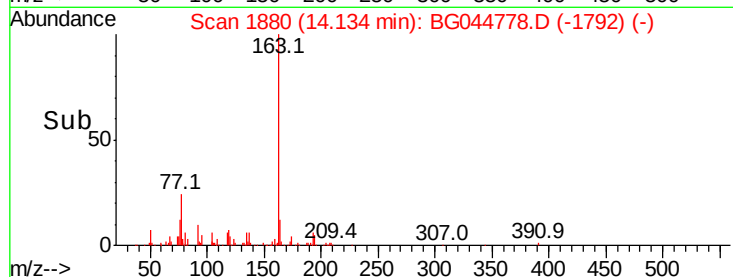
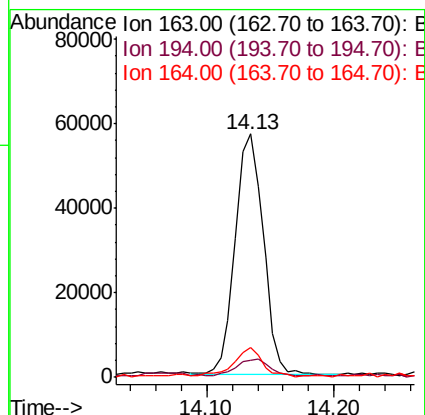
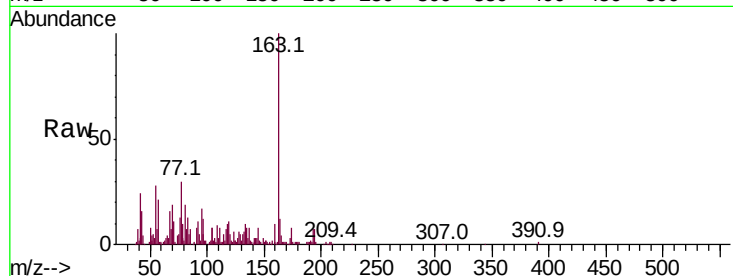
Tot Ion:163 Resp: 87135

Ion Ratio Lower Upper

163 100

194 7.1 3.5 5.3#

164 12.3 9.2 13.8



#54

2,4-Dinitrophenol

Concen: 8.484 ng

RT: 14.30 min Scan# 1909

Delta R.T. -0.47 min

Lab File: BG044778.D

Acq: 13 Mar 2020 22:14

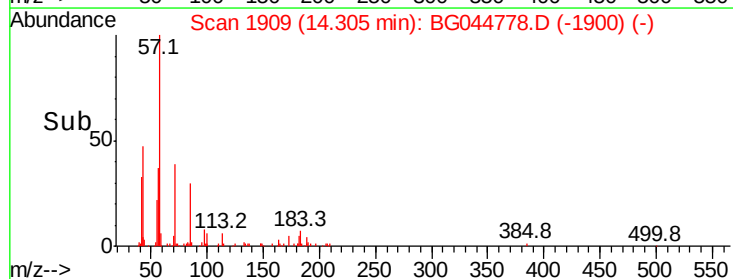
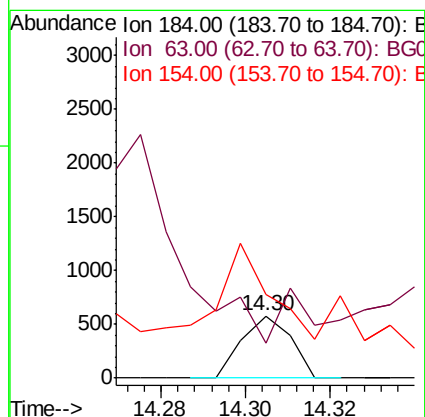
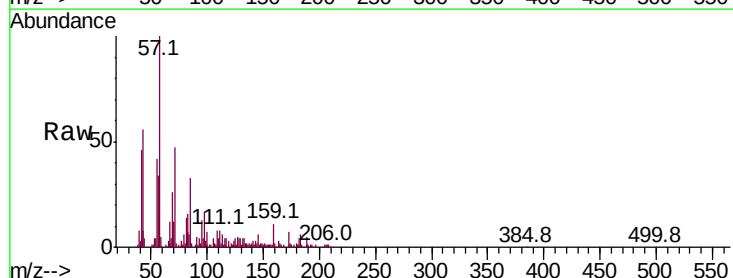
Tgt Ion:184 Resp: 467

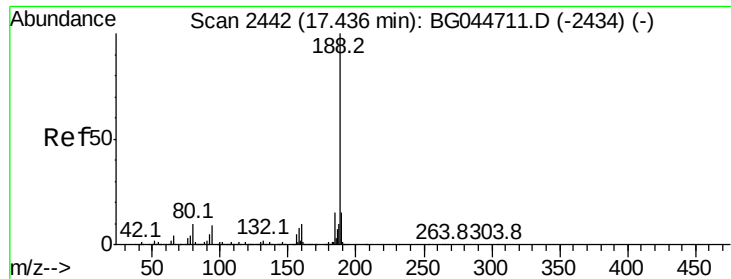
Ion Ratio Lower Upper

184 100

63 55.3 49.0 73.6

154 133.9 94.5 141.7





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.43 min Scan# 2441

Delta R.T. -0.01 min

Lab File: BG044778.D

Acq: 13 Mar 2020 22:14

Instrument :

BNA_G

ClientSampled :

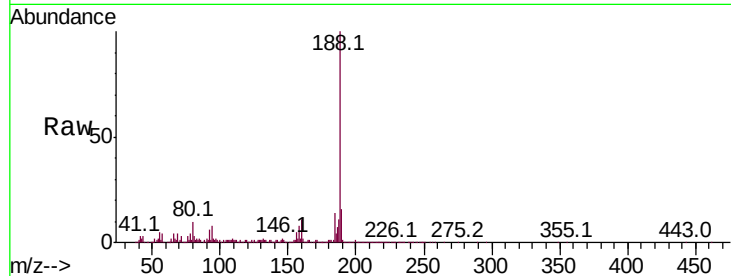
Tot Ion:188 Resp: 621583

Ion Ratio Lower Upper

188 100

94 8.1 7.0 10.6

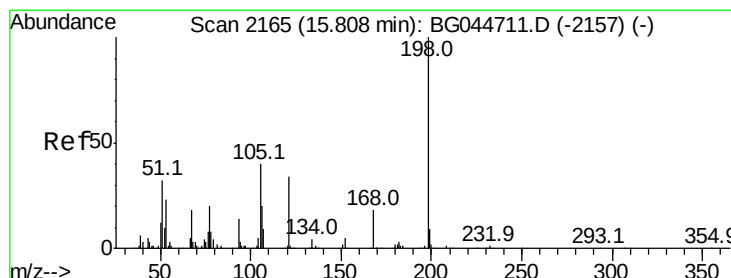
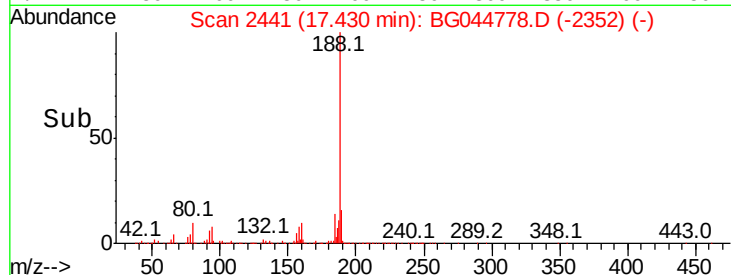
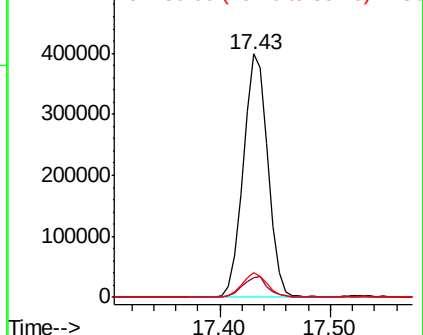
80 10.4 8.4 12.6



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG

Ion 80.00 (79.70 to 80.70): BG



#65

4,6-Dinitro-2-methylphenol

Concen: 7.783 ng

RT: 15.80 min Scan# 2163

Delta R.T. -0.01 min

Lab File: BG044778.D

Acq: 13 Mar 2020 22:14

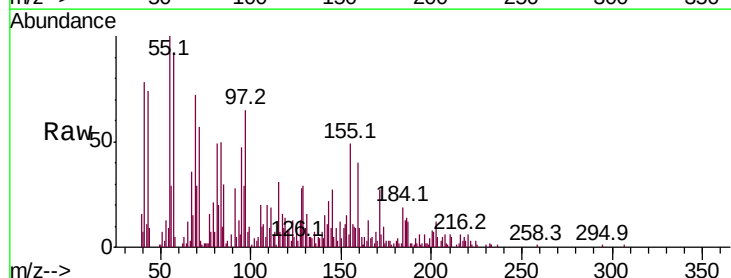
Tgt Ion:198 Resp: 190

Ion Ratio Lower Upper

198 100

51 517.2 20.1 60.1#

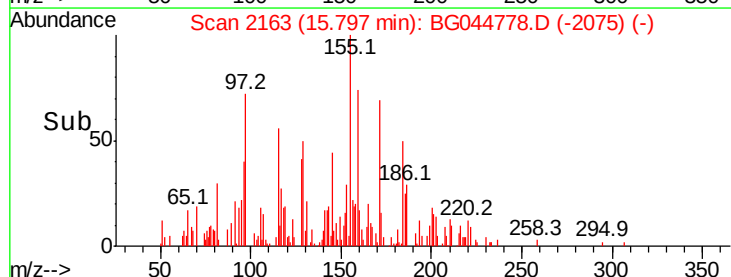
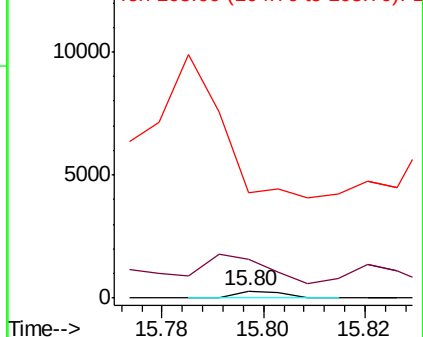
105 1422.5 21.3 61.3#

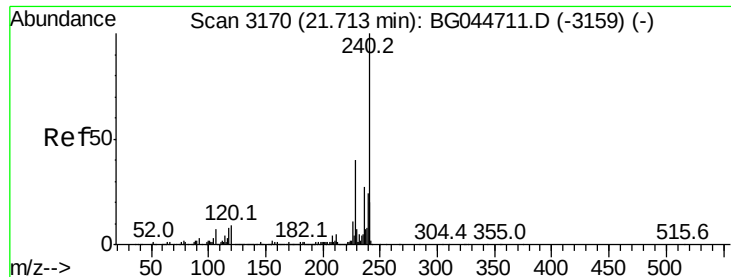


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG

Ion 105.00 (104.70 to 105.70): E





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.70 min Scan# 3168

Delta R.T. -0.01 min

Lab File: BG044778.D

Acq: 13 Mar 2020 22:14

Instrument :

BNA_G

ClientSampleId :

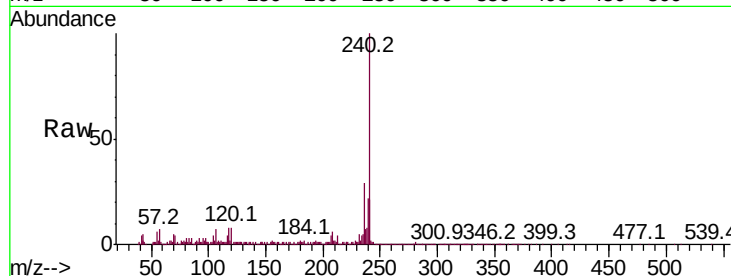
Tot Ion:240 Resp: 545852

Ion Ratio Lower Upper

240 100

120 8.3 6.9 10.3

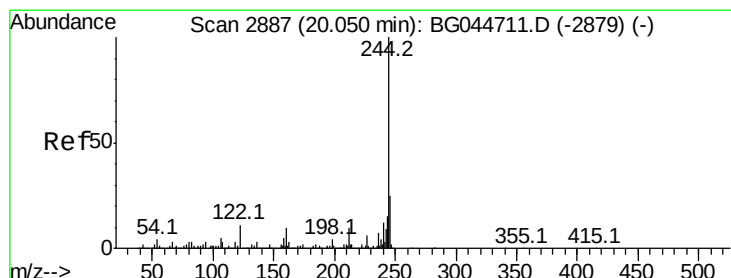
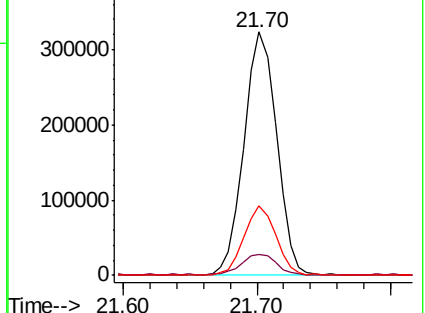
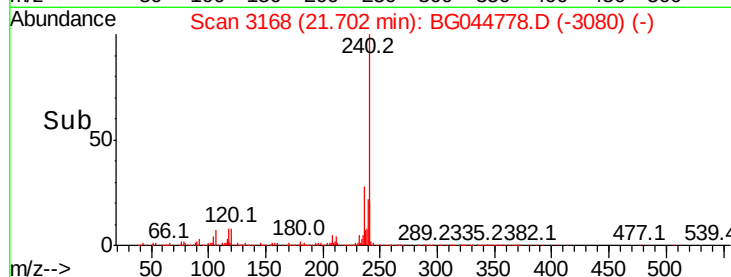
236 28.6 21.9 32.9



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: 30.930 ng

RT: 20.05 min Scan# 2886

Delta R.T. -0.01 min

Lab File: BG044778.D

Acq: 13 Mar 2020 22:14

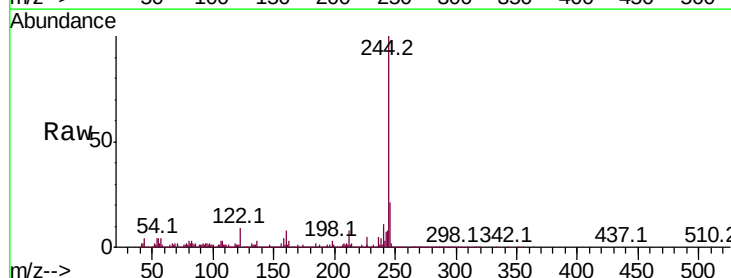
Tgt Ion:244 Resp: 902578

Ion Ratio Lower Upper

244 100

212 8.2 8.4 12.6#

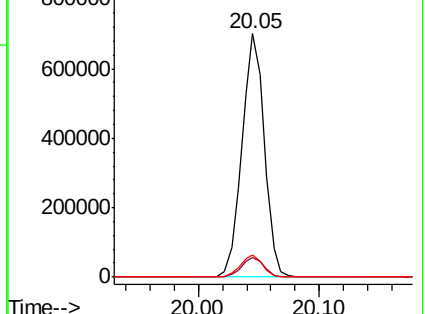
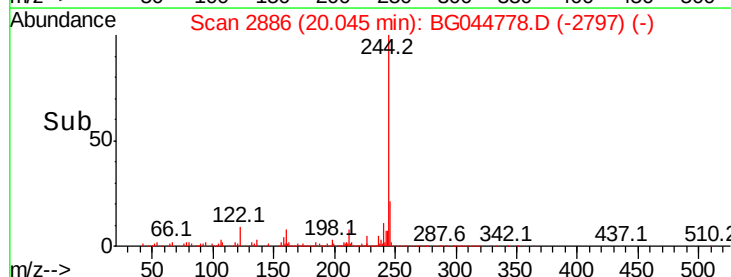
122 9.2 8.7 13.1

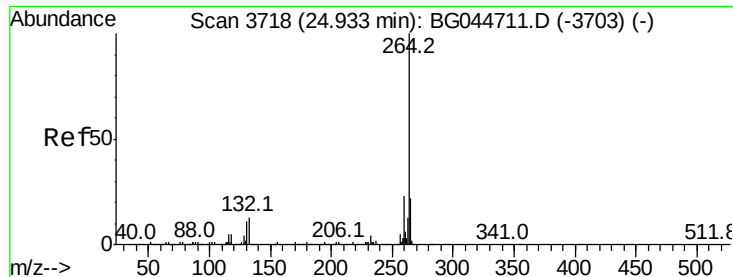


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#87

Pervlene-d12

Concen: 20.000 ng

RT: 24.93 min Scan# 3717

Delta R.T. -0.01 min

Lab File: BG044778.D

Acq: 13 Mar 2020 22:14

Instrument :

BNA_G

ClientSampleId :

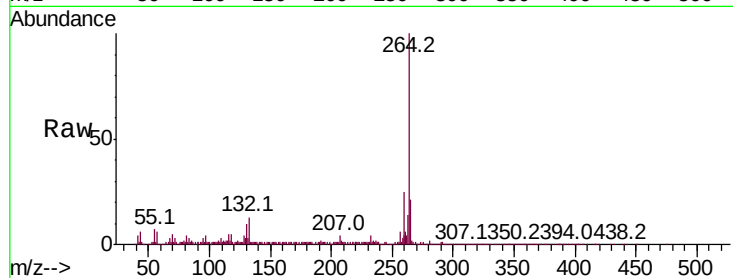
Tot Ion:264 Resp: 637571

Ion Ratio Lower Upper

264 100

260 24.5 18.4 27.6

265 21.3 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

