

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG121119\
 Data File : BG043800.D
 Acq On : 11 Dec 2019 18:10
 Operator : JU
 Sample : PB125381BL
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB125381BL

Quant Time: Dec 12 02:20:35 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG120919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 09 18:16:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.00	152	128661	20.00	ng	0.00
21) Naphthalene-d8	10.80	136	544942	20.00	ng	0.00
39) Acenaphthene-d10	14.63	164	377608	20.00	ng	0.00
64) Phenanthrene-d10	17.37	188	921227	20.00	ng	0.00
76) Chrysene-d12	21.62	240	898478	20.00	ng	0.00
87) Perylene-d12	24.77	264	991566	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.57	112	1040107	153.17	ng	0.00
7) Phenol-d6	7.16	99	1469011	150.00	ng	0.00
23) Nitrobenzene-d5	9.15	82	867868	89.42	ng	0.00
42) 2,4,6-Tribromophenol	16.11	330	544640	151.29	ng	0.00
45) 2-Fluorobiphenyl	13.25	172	1935130	90.02	ng	0.00
79) Terphenyl-d14	19.98	244	3124364	83.66	ng	0.00

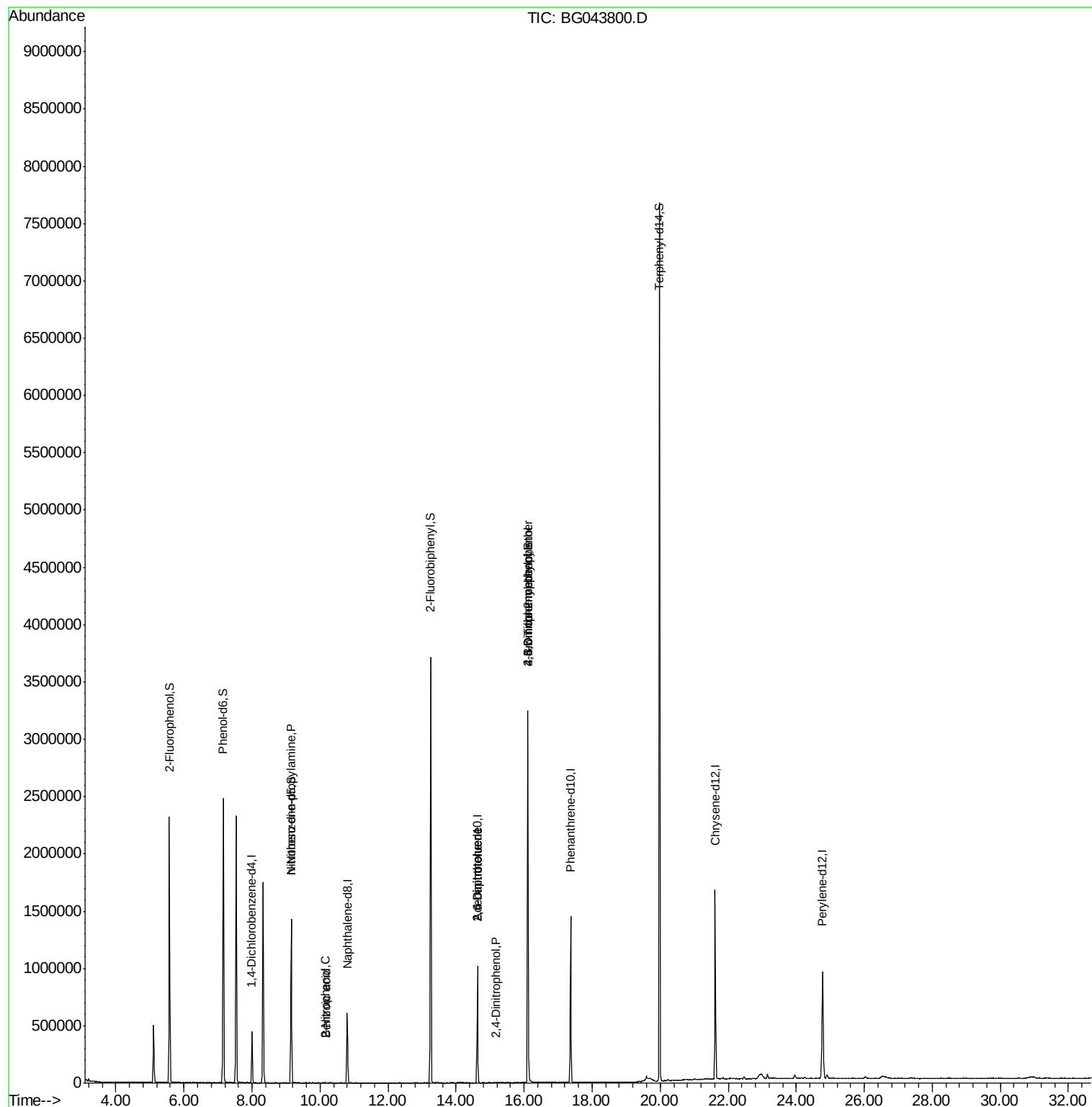
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.15	77	2600	Below Cal		# 1
19) n-Nitroso-di-n-propylamine	9.15	70	114489	15.292	ng	# 78
26) 2-Nitrophenol	10.16	139	66	8.362	ng	# 34
32) Benzoic acid	10.18	122	55	5.658	ng	# 1
51) 2,6-Dinitrotoluene	14.62	165	49559	8.533	ng	# 28
54) 2,4-Dinitrophenol	15.17	184	58	3.976	ng	# 19
57) 2,4-Dinitrotoluene	14.62	165	49559	6.315	ng	# 25
65) 4,6-Dinitro-2-methylphenol	16.11	198	2087	9.972	ng	# 1
67) 4-Bromophenyl-phenylether	16.11	248	43000	4.366	ng	# 1

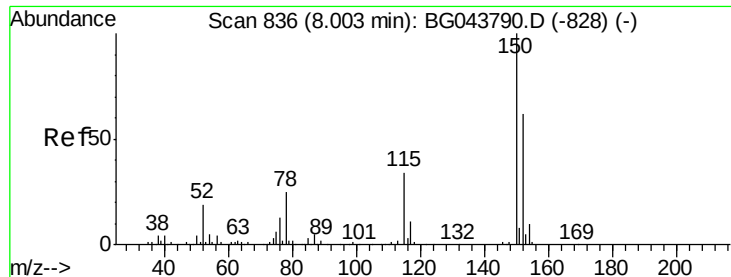
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Dec 12 02:20:35 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG120919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 09 18:16:57 2019
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.00 min Scan# 836

Delta R.T. -0.00 min

Lab File: BG043800.D

Acq: 11 Dec 2019 18:10

Instrument :

BNA_G

ClientSampleId :

PB125381BL

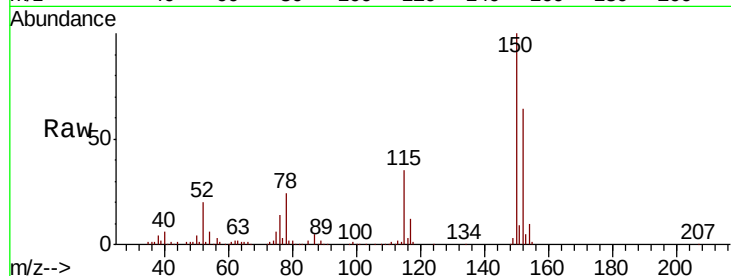
Tot Ion:152 Resp: 128661

Ion Ratio Lower Upper

152 100

150 155.8 128.6 192.8

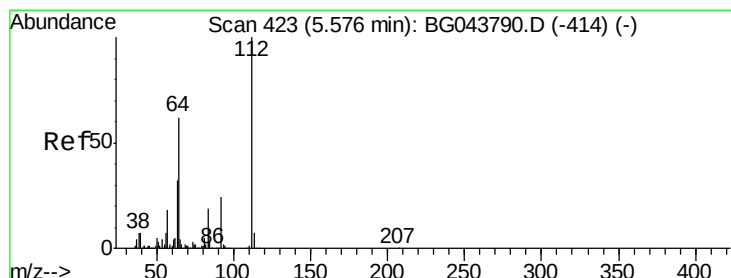
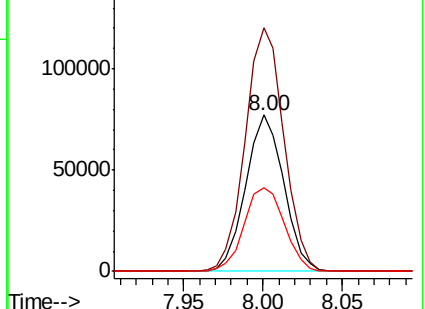
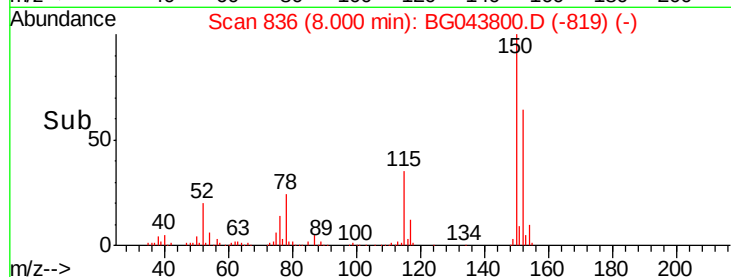
115 53.8 44.3 66.5



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol

Concen: 153.171 ng

RT: 5.57 min Scan# 423

Delta R.T. -0.00 min

Lab File: BG043800.D

Acq: 11 Dec 2019 18:10

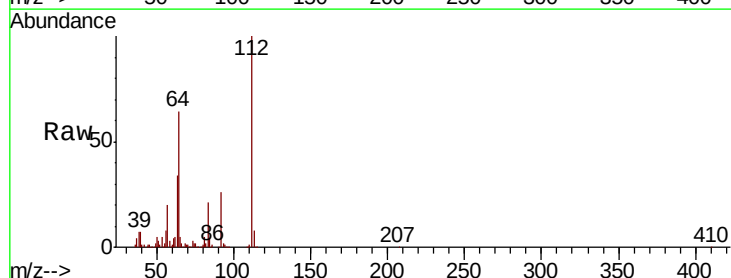
Tgt Ion:112 Resp: 1040107

Ion Ratio Lower Upper

112 100

64 63.6 49.9 74.9

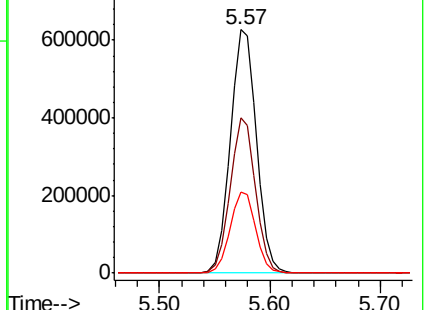
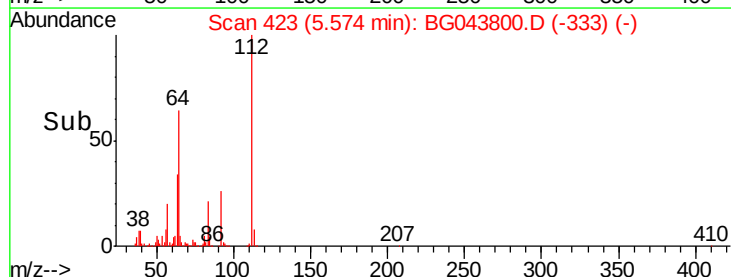
63 33.5 26.0 39.0

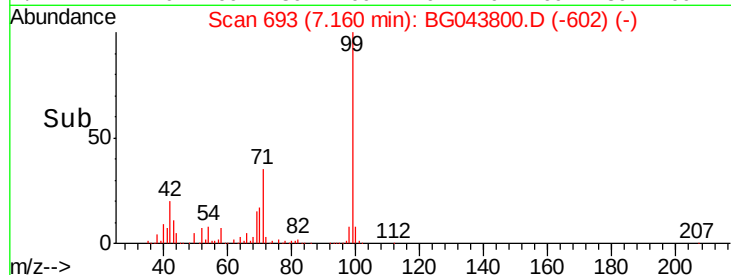
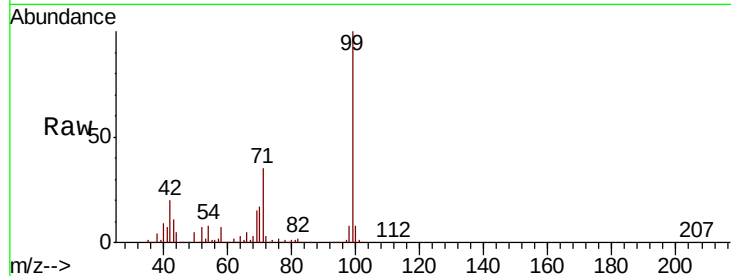
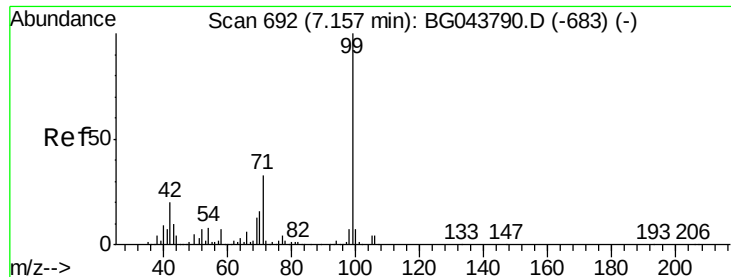


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG

Ion 63.00 (62.70 to 63.70): BG





#7

Phenol-d6

Concen: 150.004 ng

RT: 7.16 min Scan# 693

Delta R.T. 0.00 min

Lab File: BG043800.D

Acq: 11 Dec 2019 18:10

Instrument :

BNA_G

ClientSampled :

PB125381BL

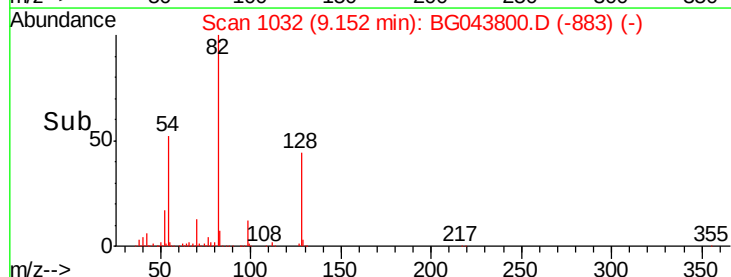
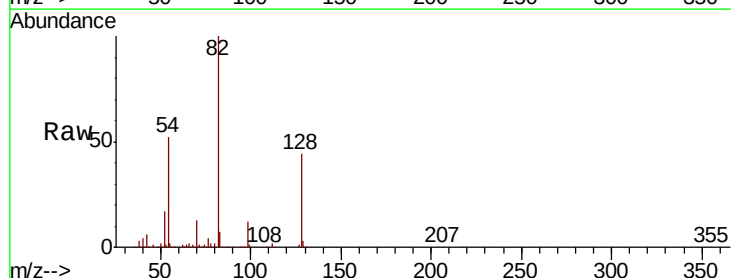
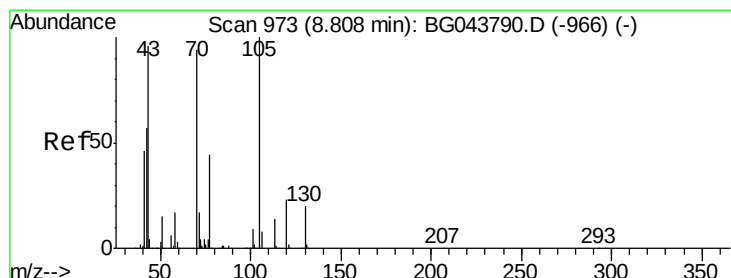
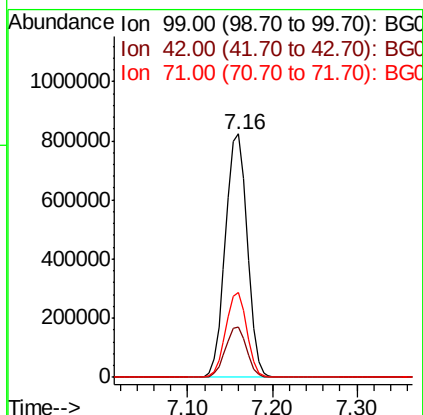
Tot Ion: 99 Resp: 1469011

Ion Ratio Lower Upper

99 100

42 20.5 16.2 24.2

71 35.1 26.6 40.0



#19

n-Nitroso-di-n-propylamine

Concen: 15.292 ng

RT: 9.15 min Scan# 1032

Delta R.T. 0.34 min

Lab File: BG043800.D

Acq: 11 Dec 2019 18:10

Tgt Ion: 70 Resp: 114489

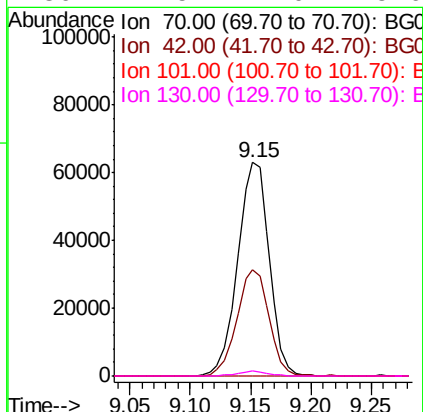
Ion Ratio Lower Upper

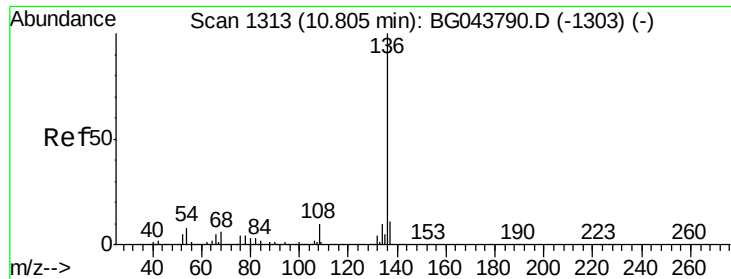
70 100

42 50.0 49.2 73.8

101 0.0 7.8 11.6#

130 2.5 17.0 25.6#

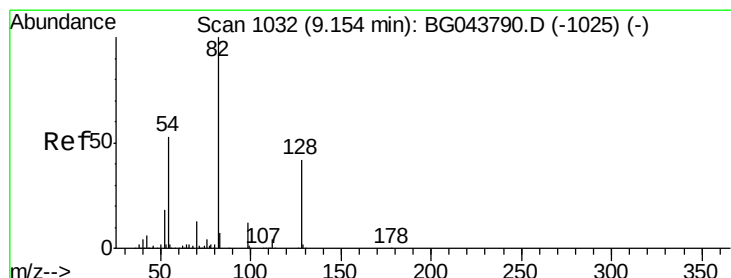
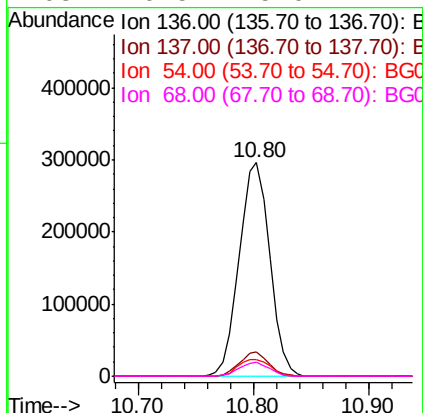
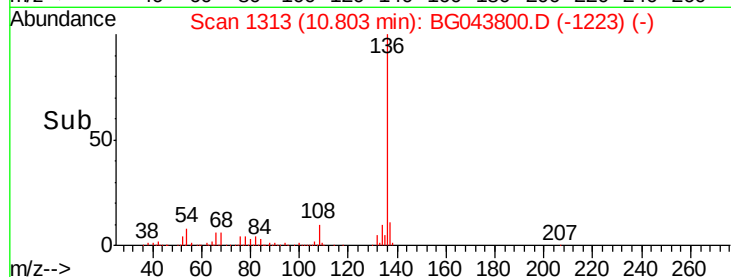
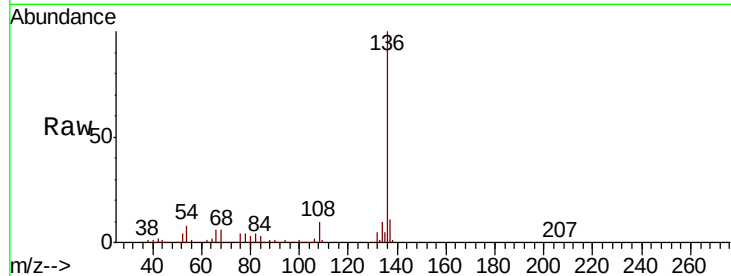




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.80 min Scan# 1313
Delta R.T. -0.00 min
Lab File: BG043800.D
Acq: 11 Dec 2019 18:10

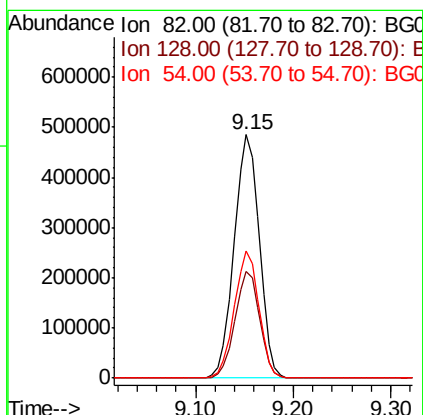
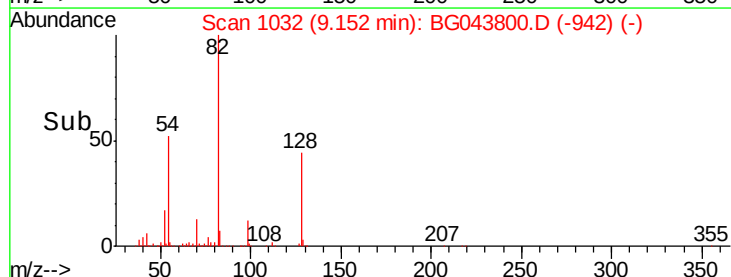
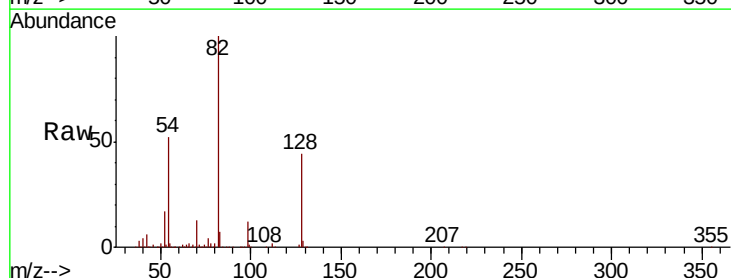
Instrument :
BNA_G
ClientSampleId :
PB125381BL

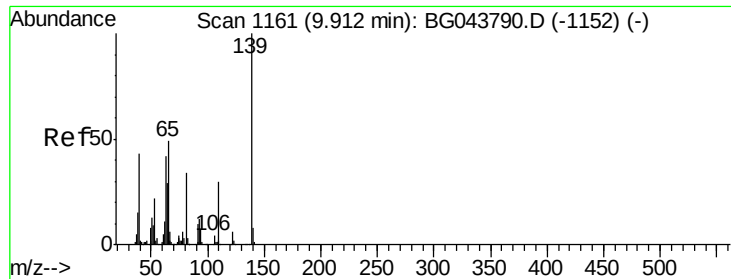
Tot Ion:136	Resp:	544942	
Ion Ratio	Lower	Upper	
136 100			
137 11.4	8.7	13.1	
54 7.9	6.8	10.2	
68 6.5	5.0	7.4	



#23
Nitrobenzene-d5
Concen: 89.419 ng
RT: 9.15 min Scan# 1032
Delta R.T. -0.00 min
Lab File: BG043800.D
Acq: 11 Dec 2019 18:10

Tgt	Ion: 82	Resp:	867868
Ion	Ratio	Lower	Upper
82	100		
128	43.6	33.6	50.4
54	52.3	42.1	63.1





#26

2-Nitrophenol

Concen: 8.362 ng

RT: 10.16 min Scan# 1204

Delta R.T. 0.25 min

Lab File: BG043800.D

Acq: 11 Dec 2019 18:10

Instrument :

BNA_G

ClientSampleId :

PB125381BL

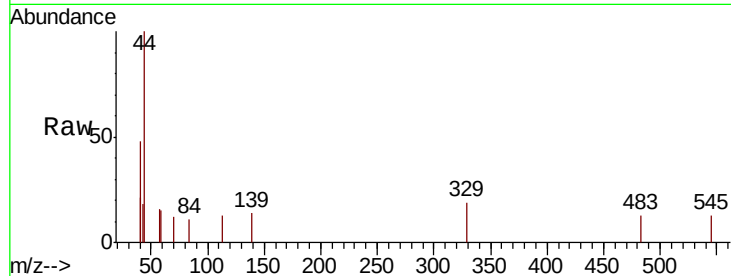
Tot Ion:139 Resp: 66

Ion Ratio Lower Upper

139 100

109 0.0 23.9 35.9#

65 0.0 39.3 58.9#

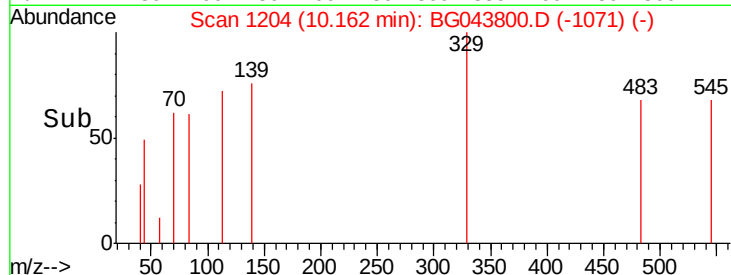


Abundance Ion 139.00 (138.70 to 139.70): E

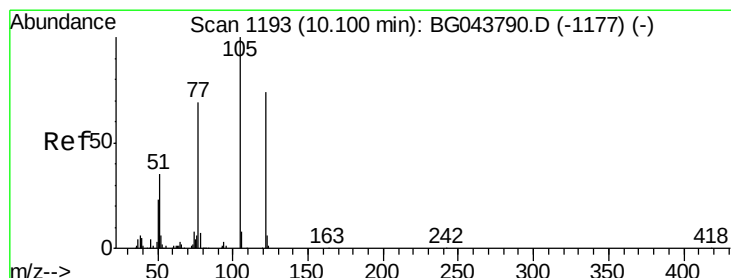
Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BGC

10.16



Time--> 10.14 10.16 10.18



#32

Benzoic acid

Concen: 5.658 ng

RT: 10.18 min Scan# 1207

Delta R.T. 0.08 min

Lab File: BG043800.D

Acq: 11 Dec 2019 18:10

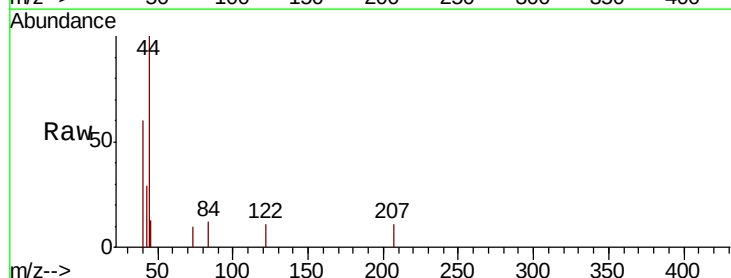
Tgt Ion:122 Resp: 55

Ion Ratio Lower Upper

122 100

105 0.0 107.5 147.5#

77 0.0 71.7 111.7#

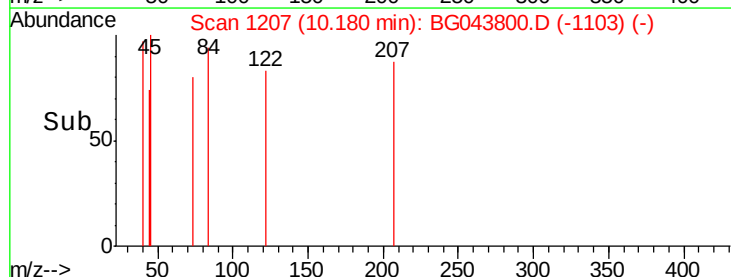


Abundance Ion 122.00 (121.70 to 122.70): E

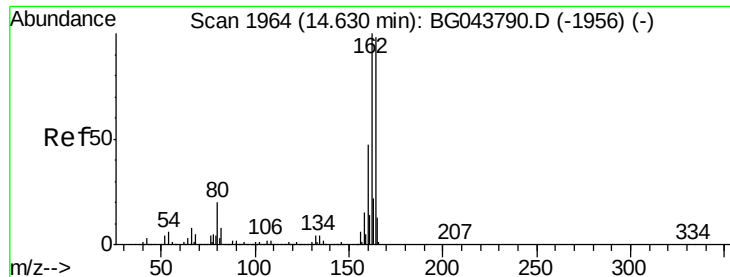
Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BGC

10.18



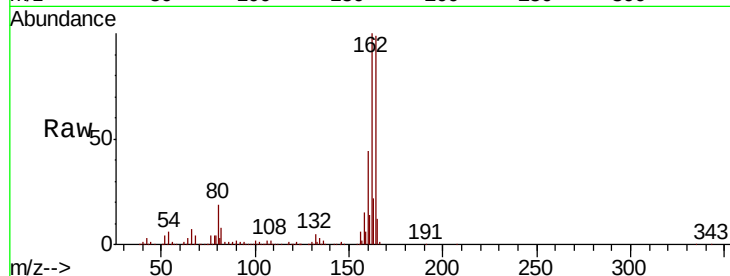
Time--> 10.16 10.18



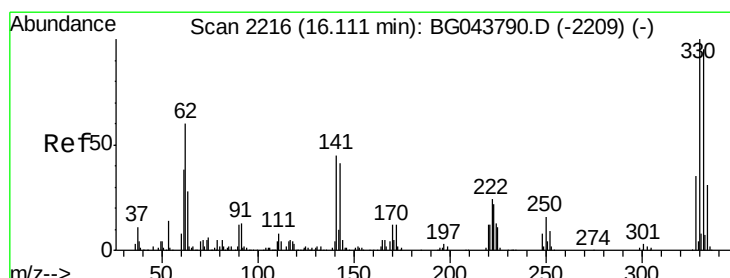
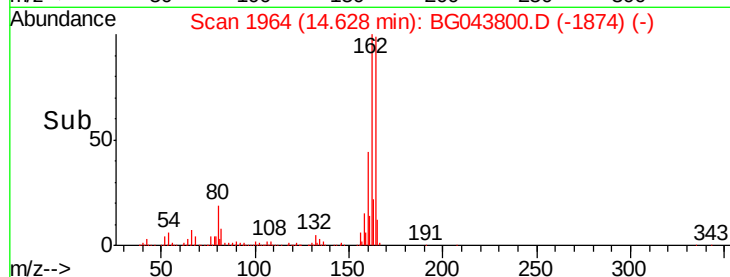
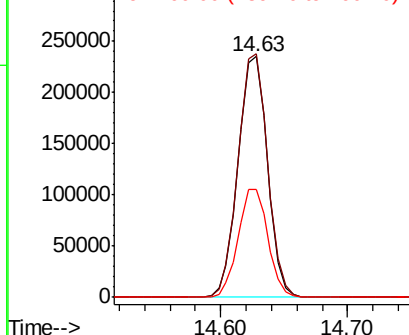
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.63 min Scan# 1964
Delta R.T. -0.00 min
Lab File: BG043800.D
Acq: 11 Dec 2019 18:10

Instrument :
BNA_G
ClientSampleId :
PB125381BL

Tot Ion:164 Resp: 377608
Ion Ratio Lower Upper
164 100
162 101.0 81.9 122.9
160 44.9 38.3 57.5

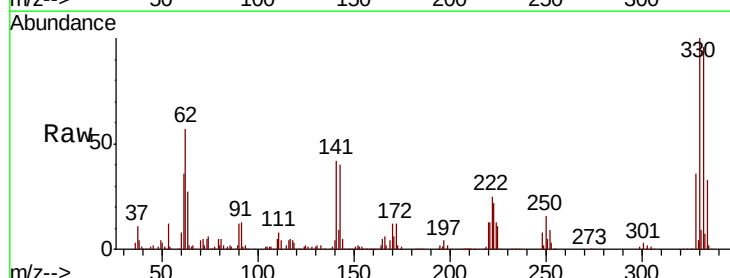


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

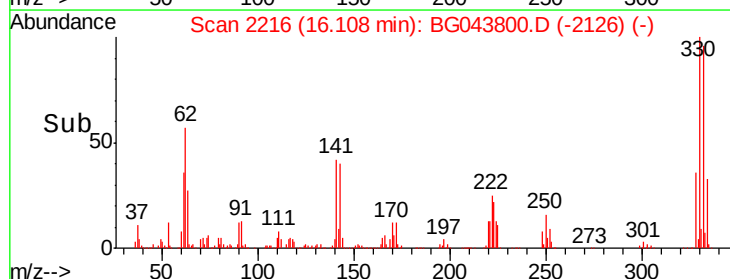
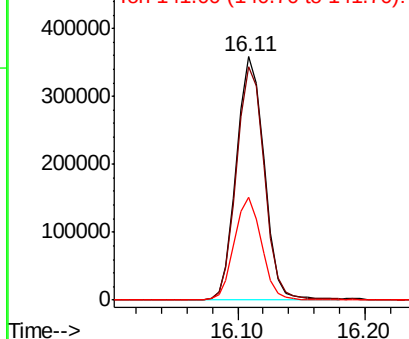


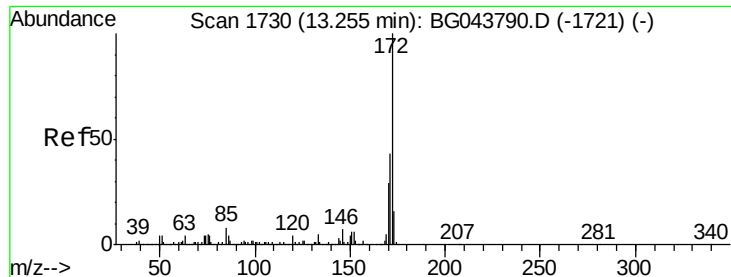
#42
2,4,6-Tribromophenol
Concen: 151.292 ng
RT: 16.11 min Scan# 2216
Delta R.T. -0.00 min
Lab File: BG043800.D
Acq: 11 Dec 2019 18:10

Tgt Ion:330 Resp: 544640
Ion Ratio Lower Upper
330 100
332 97.2 76.9 115.3
141 41.7 33.8 50.8



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

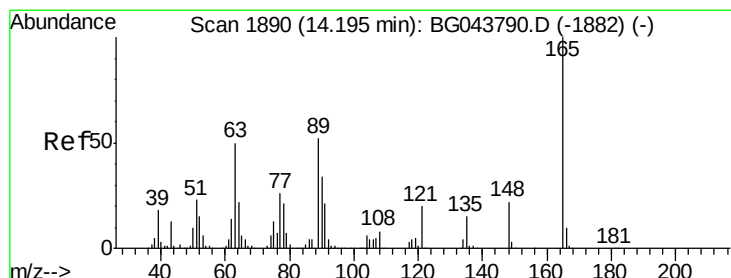
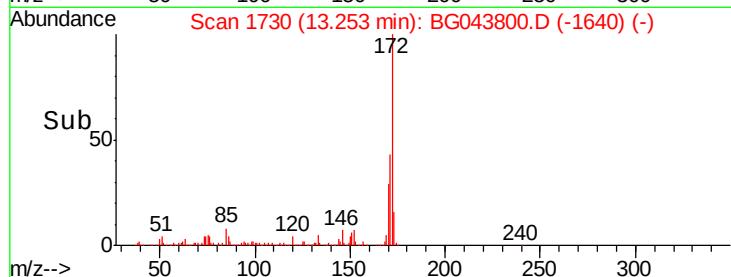
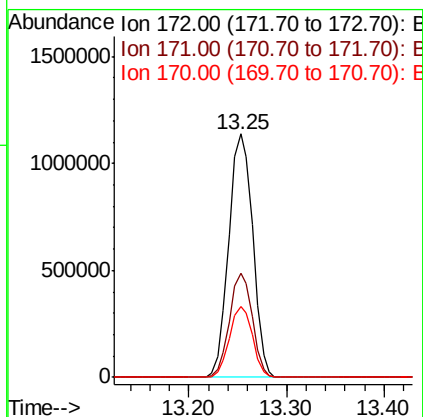
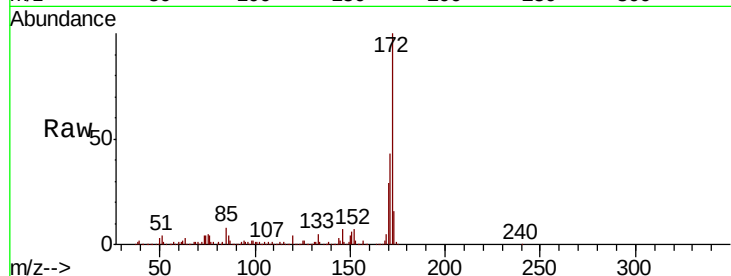




#45
2-Fluorobiphenyl
Concen: 90.019 ng
RT: 13.25 min Scan# 1730
Delta R.T. -0.00 min
Lab File: BG043800.D
Acq: 11 Dec 2019 18:10

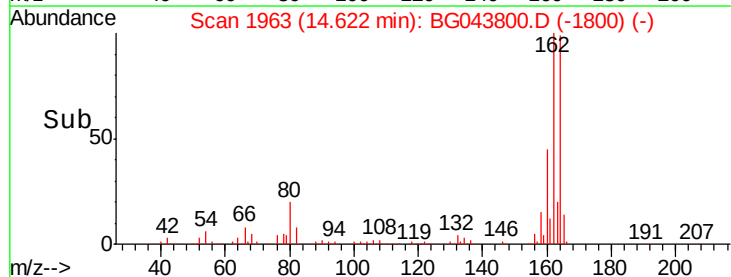
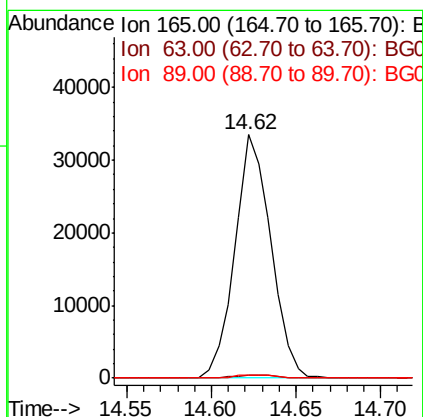
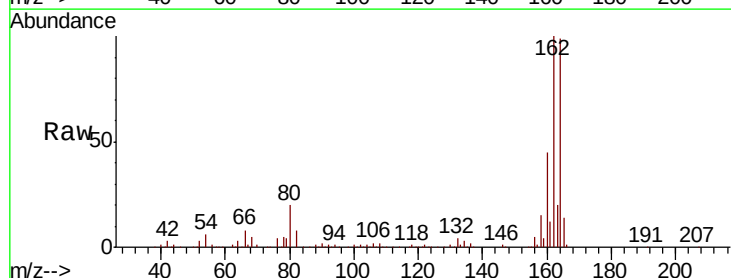
Instrument :
BNA_G
ClientSampleId :
PB125381BL

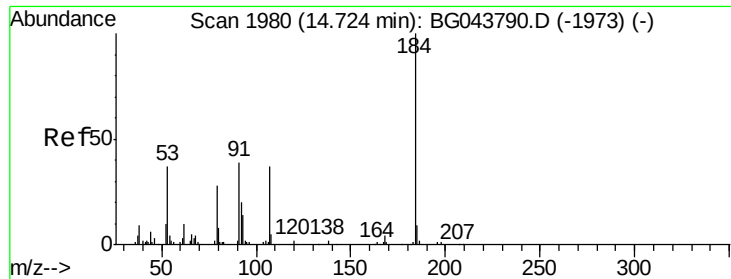
Tot Ion:172 Resp: 1935130
Ion Ratio Lower Upper
172 100
171 42.9 34.6 51.8
170 29.3 23.3 34.9



#51
2,6-Dinitrotoluene
Concen: 8.533 ng
RT: 14.62 min Scan# 1963
Delta R.T. 0.43 min
Lab File: BG043800.D
Acq: 11 Dec 2019 18:10

Tgt Ion:165 Resp: 49559
Ion Ratio Lower Upper
165 100
63 1.0 40.3 60.5#
89 1.3 41.8 62.8#

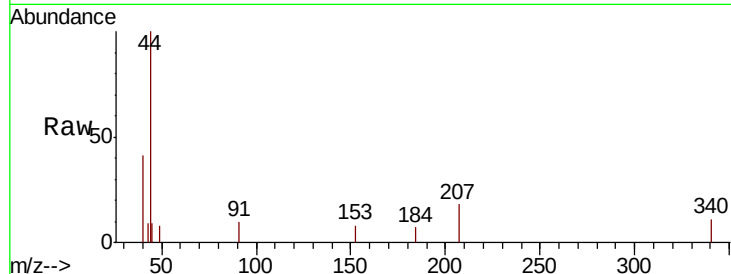




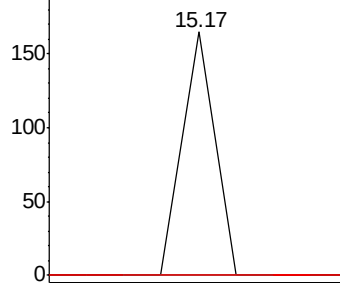
#54
2,4-Dinitrophenol
Concen: 3.976 ng
RT: 15.17 min Scan# 2057
Delta R.T. 0.45 min
Lab File: BG043800.D
Acq: 11 Dec 2019 18:10

Instrument :
BNA_G
ClientSampleId :
PB125381BL

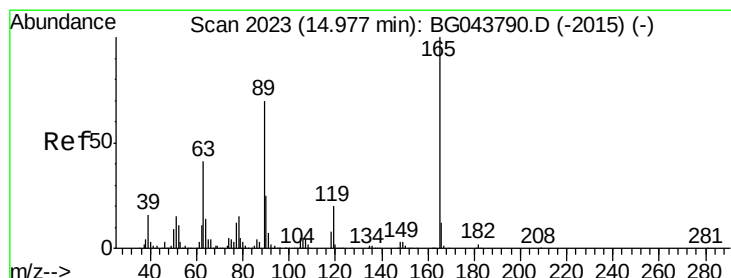
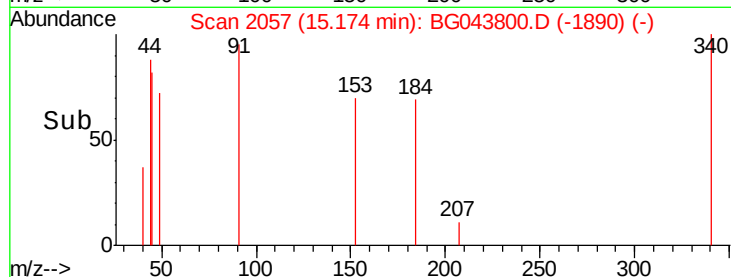
Tot Ion:184 Resp: 58
Ion Ratio Lower Upper
184 100
63 0.0 43.4 65.0#
154 0.0 54.8 82.2#



Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BGC
Ion 154.00 (153.70 to 154.70): E

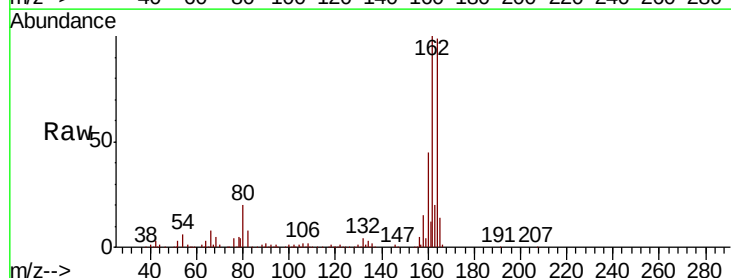


Time-->

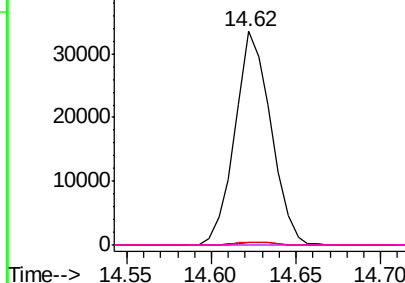


#57
2,4-Dinitrotoluene
Concen: 6.315 ng
RT: 14.62 min Scan# 1963
Delta R.T. -0.36 min
Lab File: BG043800.D
Acq: 11 Dec 2019 18:10

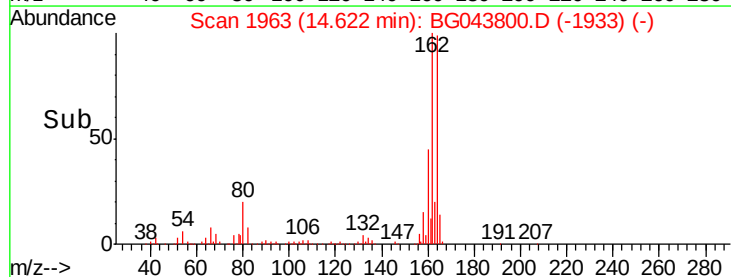
Tgt Ion:165 Resp: 49559
Ion Ratio Lower Upper
165 100
63 1.0 32.7 49.1#
89 1.3 56.1 84.1#
182 0.0 2.0 3.0#

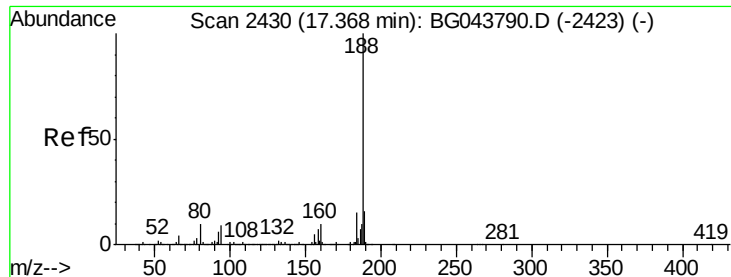


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BGC
Ion 89.00 (88.70 to 89.70): BGC
Ion 182.00 (181.70 to 182.70): E



Time-->





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.37 min Scan# 2430

Delta R.T. -0.00 min

Lab File: BG043800.D

Acq: 11 Dec 2019 18:10

Instrument :

BNA_G

ClientSampleId :

PB125381BL

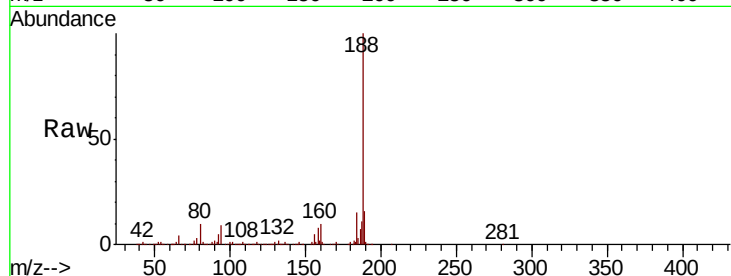
Tot Ion:188 Resp: 921227

Ion Ratio Lower Upper

188 100

94 9.1 6.9 10.3

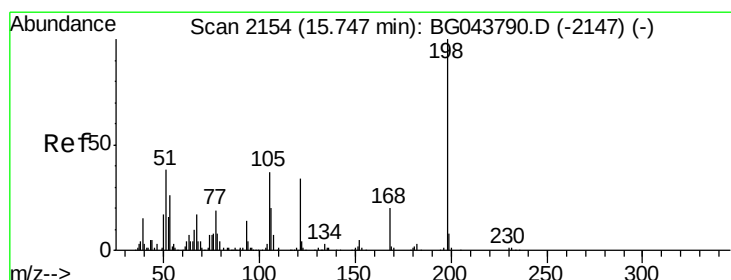
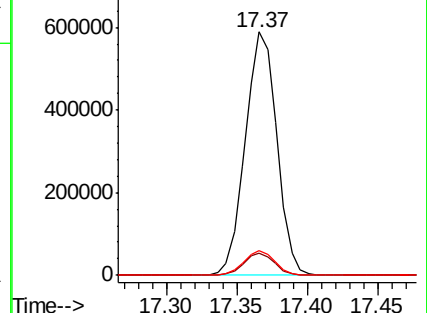
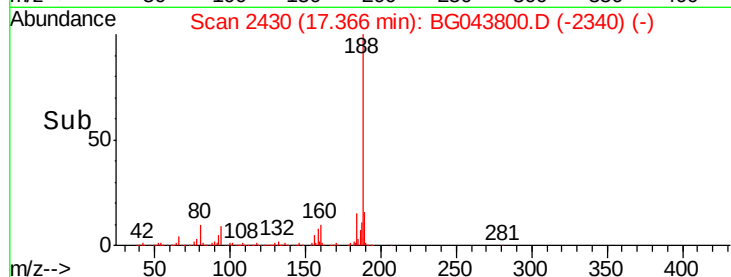
80 10.1 7.8 11.8



Abundance Ion 188.00 (187.70 to 188.70): E

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: 9.972 ng

RT: 16.11 min Scan# 2216

Delta R.T. 0.36 min

Lab File: BG043800.D

Acq: 11 Dec 2019 18:10

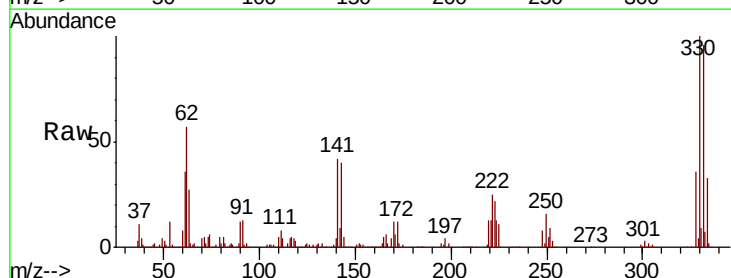
Tgt Ion:198 Resp: 2087

Ion Ratio Lower Upper

198 100

51 133.1 18.9 58.9#

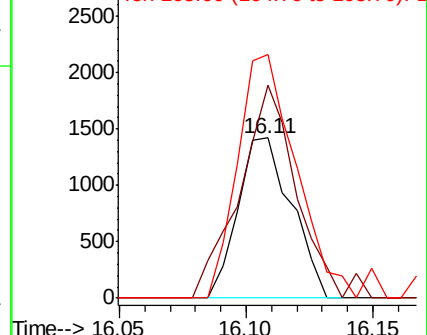
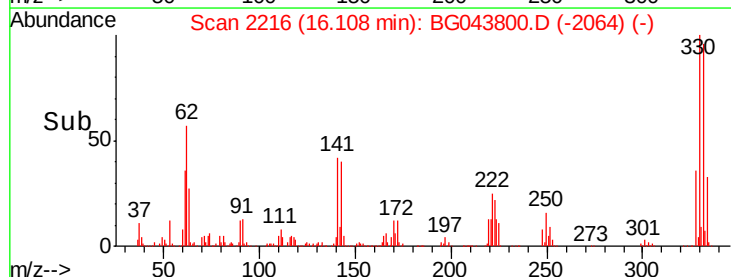
105 152.2 18.1 58.1#

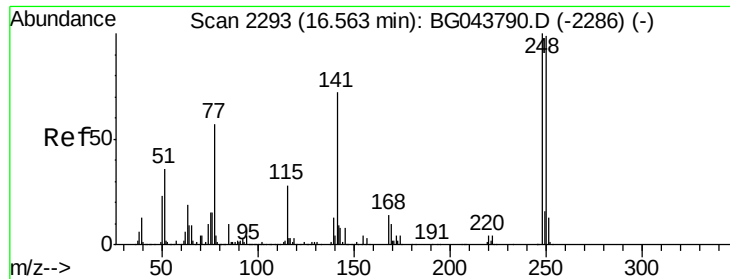


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E





#67

4-Bromophenyl-phenylether

Concen: 4.366 ng

RT: 16.11 min Scan# 2216

Delta R.T. -0.45 min

Lab File: BG043800.D

Acq: 11 Dec 2019 18:10

Instrument :

BNA_G

ClientSampleId :

PB125381BL

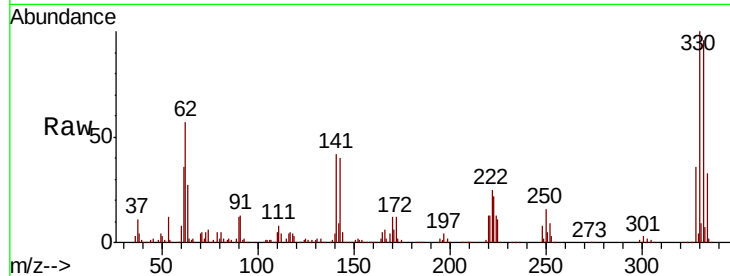
Tot Ion:248 Resp: 43000

Ion Ratio Lower Upper

248 100

250 207.8 79.0 118.6#

141 548.0 57.8 86.6#

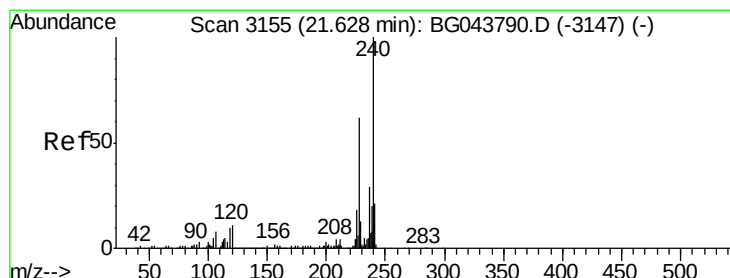
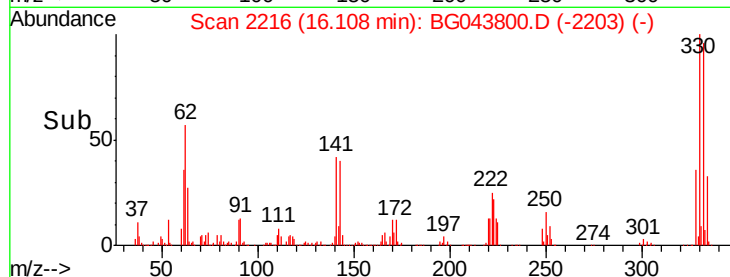
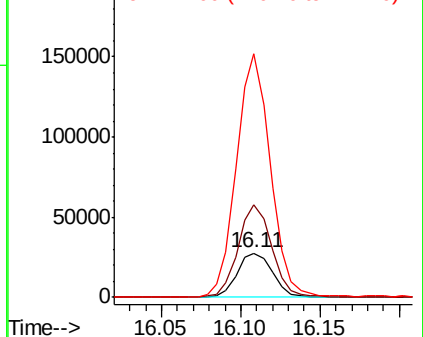


Abundance

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



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.62 min Scan# 3154

Delta R.T. -0.01 min

Lab File: BG043800.D

Acq: 11 Dec 2019 18:10

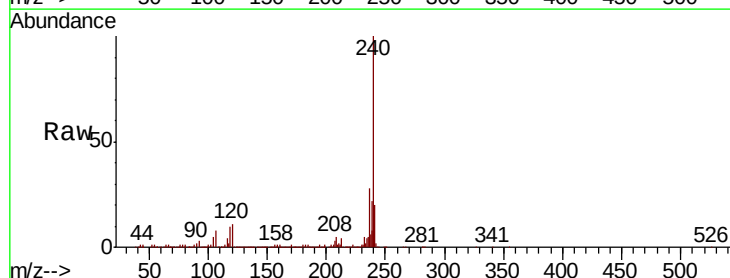
Tgt Ion:240 Resp: 898478

Ion Ratio Lower Upper

240 100

120 10.9 8.6 12.8

236 28.0 23.1 34.7

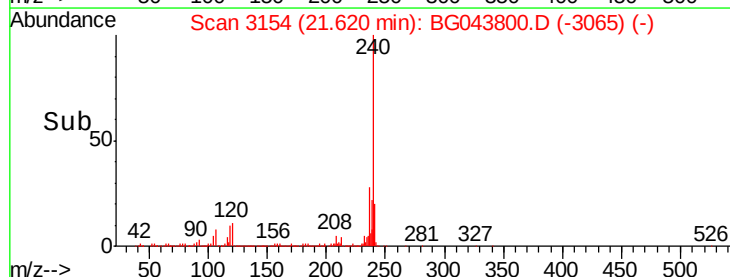
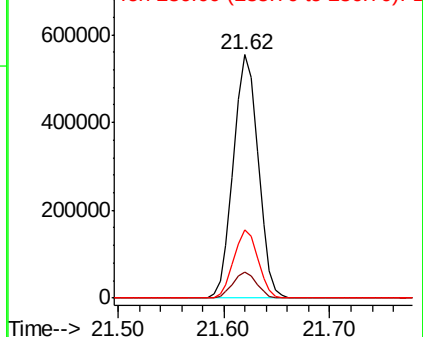


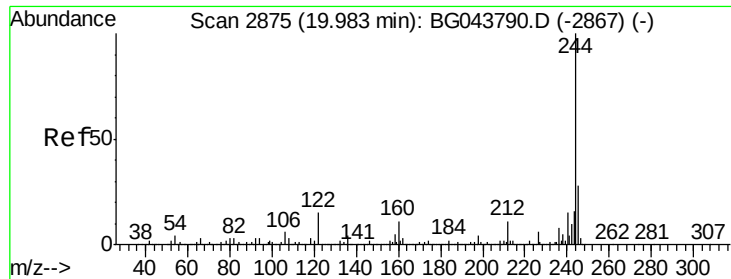
Abundance

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: 83.658 ng

RT: 19.98 min Scan# 2875

Delta R.T. -0.00 min

Lab File: BG043800.D

Acq: 11 Dec 2019 18:10

Instrument :

BNA_G

ClientSampleId :

PB125381BL

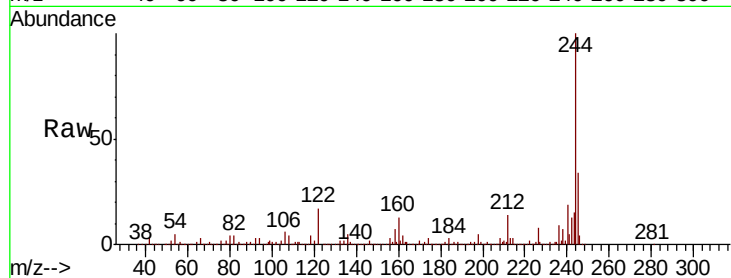
Tot Ion:244 Resp: 3124364

Ion Ratio Lower Upper

244 100

212 13.9 9.1 13.7#

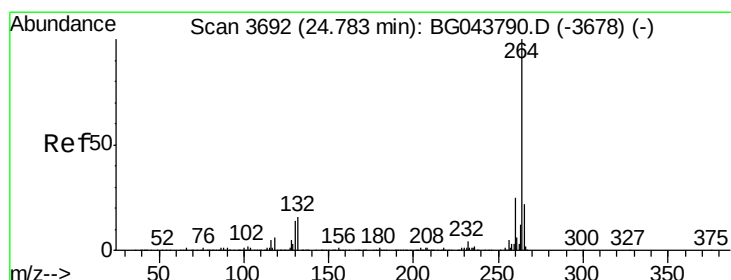
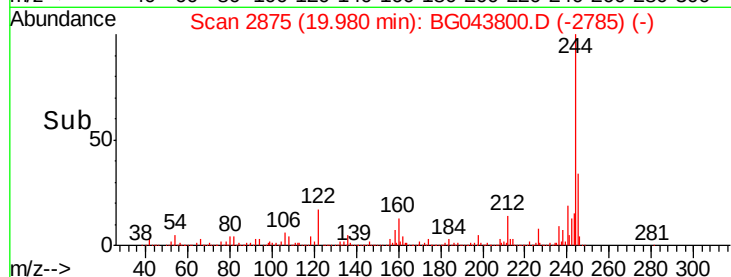
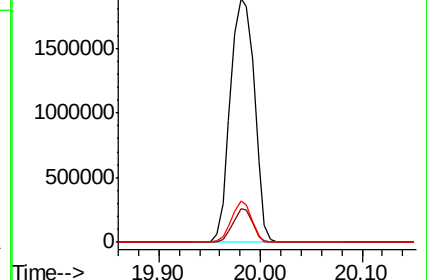
122 17.2 11.6 17.4



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: 20.000 ng

RT: 24.77 min Scan# 3691

Delta R.T. -0.01 min

Lab File: BG043800.D

Acq: 11 Dec 2019 18:10

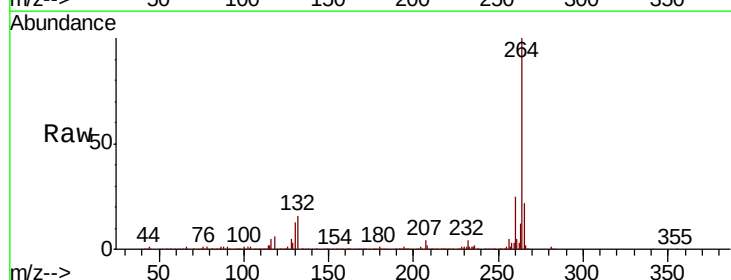
Tgt Ion:264 Resp: 991566

Ion Ratio Lower Upper

264 100

260 24.8 19.8 29.8

265 21.8 17.9 26.9



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

