

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG110819\
 Data File : BG043583.D
 Acq On : 8 Nov 2019 23:50
 Operator : JU
 Sample : K5742-07
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SB-35-(6-8)

Quant Time: Nov 11 00:35:14 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG102119.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Nov 04 15:22:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.00	152	29976	20.00	ng	0.00
21) Naphthalene-d8	10.81	136	108157	20.00	ng	0.00
39) Acenaphthene-d10	14.64	164	81775	20.00	ng	0.00
64) Phenanthrene-d10	17.39	188	192029	20.00	ng	0.00
76) Chrysene-d12	21.64	240	206741	20.00	ng	-0.01
87) Perylene-d12	24.83	264	238486	20.00	ng	-0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	211381	129.22	ng	0.01
7) Phenol-d6	7.20	99	288297	122.49	ng	0.00
23) Nitrobenzene-d5	9.17	82	172710	82.32	ng	-0.01
42) 2,4,6-Tribromophenol	16.13	330	184326	118.45	ng	0.00
45) 2-Fluorobiphenyl	13.26	172	467818	79.05	ng	0.00
79) Terphenyl-d14	19.99	244	947346	85.97	ng	0.00

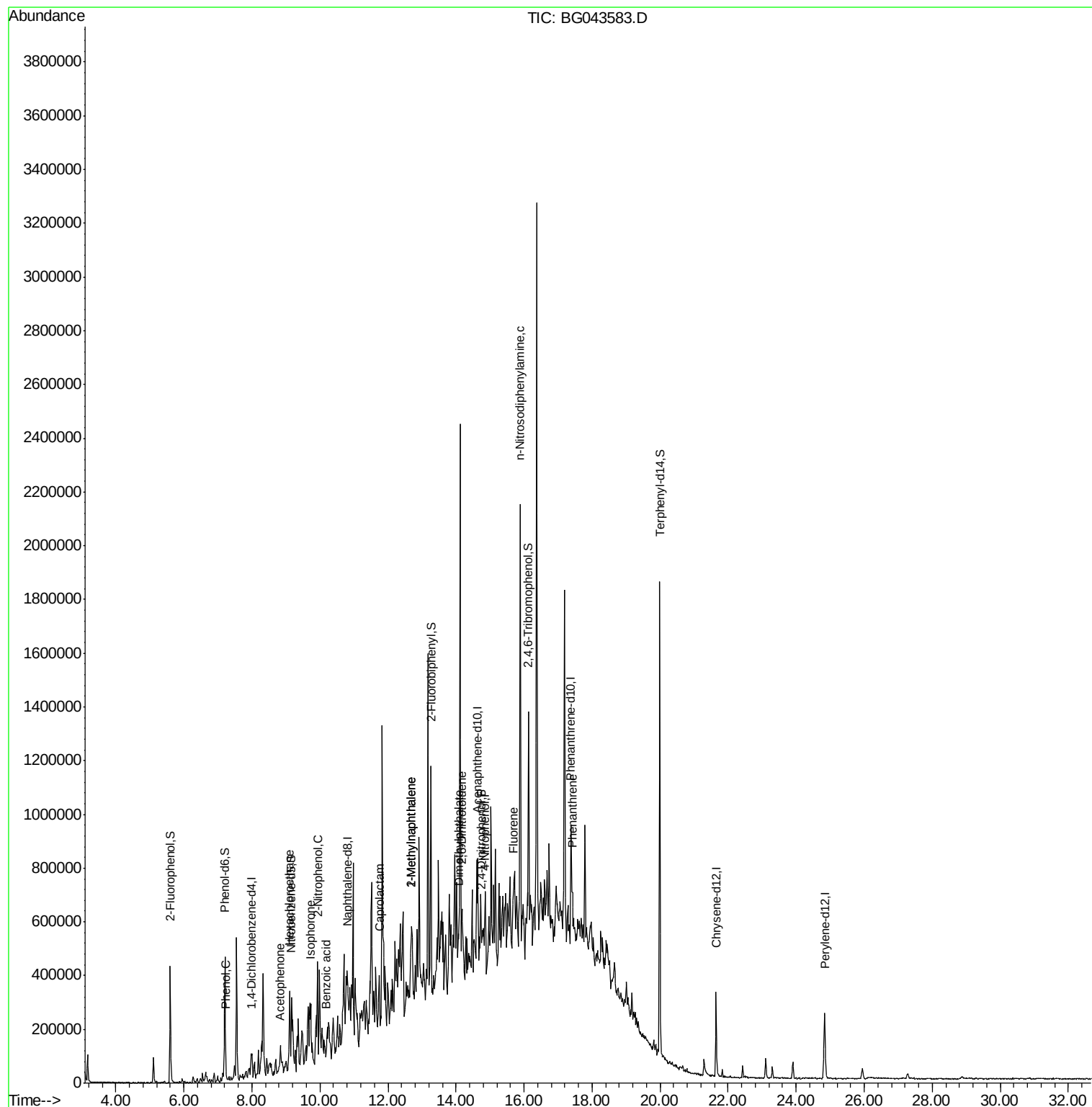
Target Compounds				Qvalue		
10) Phenol	7.23	94	9356	4.350	ng	84
18) Hexachloroethane	9.11	117	5777	6.995	ng	# 1
22) Acetophenone	8.81	105	7828	2.826	ng	# 57
25) Isophorone	9.73	82	20069	5.232	ng	# 1
26) 2-Nitrophenol	9.92	139	4448	4.610	ng	# 42
32) Benzoic acid	10.18	122	59	9.094	ng	# 1
35) Caprolactam	11.74	113	2604	4.267	ng	# 1
37) 2-Methylnaphthalene	12.68	142	87365	20.740	ng	96
38) 1-Methylnaphthalene	12.68	142	87365	21.798	ng	# 98
50) Dimethylphthalate	14.08	163	38044	6.006	ng	# 89
51) 2,6-Dinitrotoluene	14.17	165	2913	2.117	ng	# 66
54) 2,4-Dinitrophenol	14.75	184	292	7.592	ng	# 1
56) 4-Nitrophenol	14.84	139	11742	13.189	ng	# 53
58) Fluorene	15.68	166	23839	3.901	ng	# 76
66) n-Nitrosodiphenylamine	15.89	169	55680	10.270	ng	# 47
71) Phenanthrene	17.43	178	62197	6.325	ng	# 92

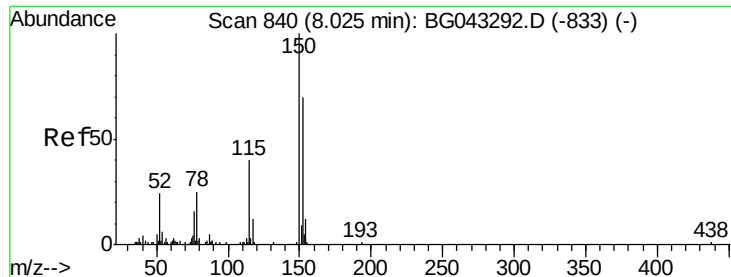
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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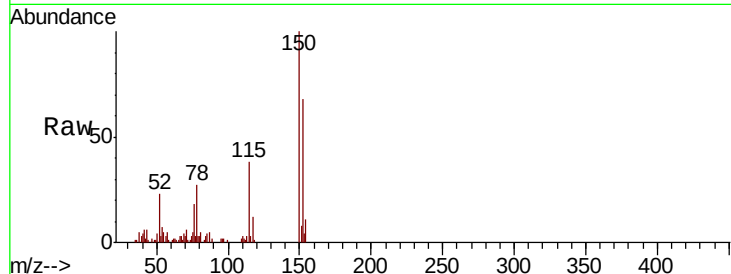


#1

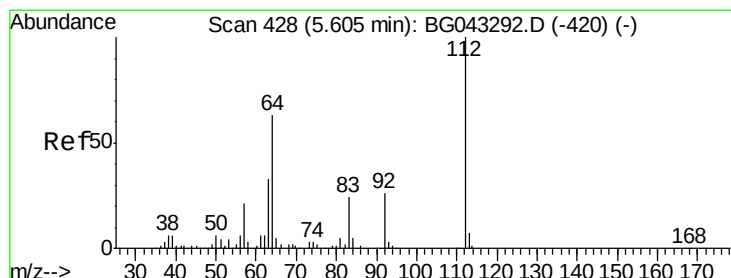
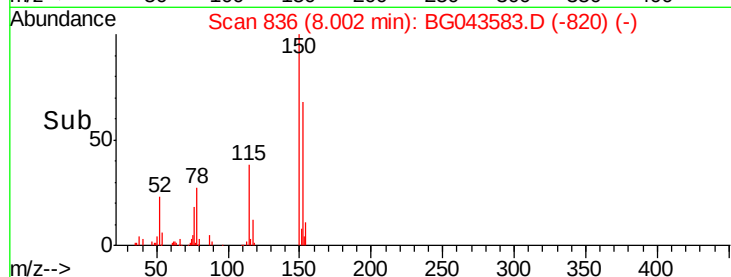
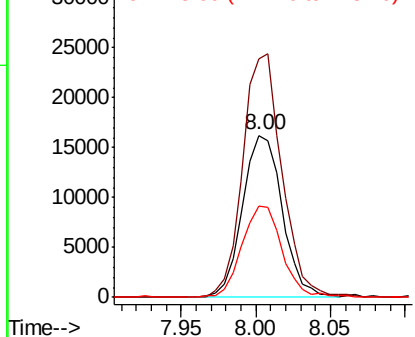
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.00 min Scan# 836
Delta R.T. -0.01 min
Lab File: BG043583.D
Acq: 8 Nov 2019 23:50

Instrument :
BNA_G
ClientSampleId :
SB-35-(6-8)

Tot Ion:152 Resp: 29976
Ion Ratio Lower Upper
152 100
150 147.4 129.4 194.0
115 56.7 48.8 73.2



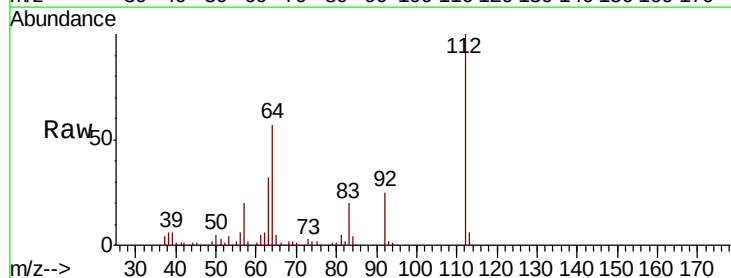
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



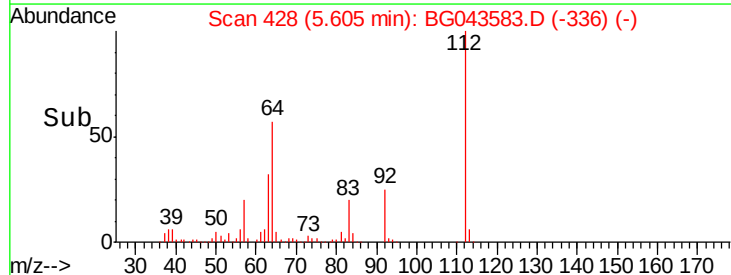
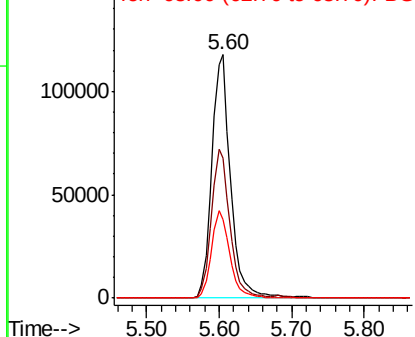
#5

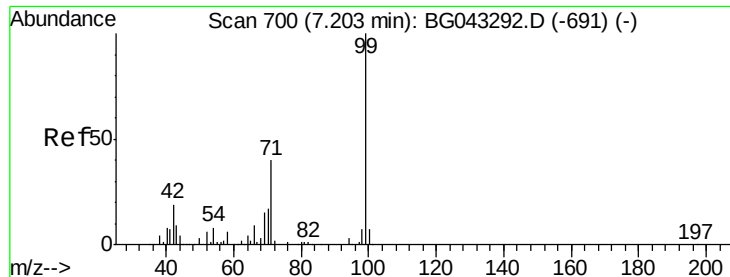
2-Fluorophenol
Concen: 129.218 ng
RT: 5.60 min Scan# 428
Delta R.T. 0.01 min
Lab File: BG043583.D
Acq: 8 Nov 2019 23:50

Tgt Ion:112 Resp: 211381
Ion Ratio Lower Upper
112 100
64 57.2 50.0 75.0
63 32.5 26.6 40.0



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BGC
Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 122.492 ng

RT: 7.20 min Scan# 700

Delta R.T. 0.01 min

Lab File: BG043583.D

Acq: 8 Nov 2019 23:50

Instrument :

BNA_G

ClientSampleId :

SB-35-(6-8)

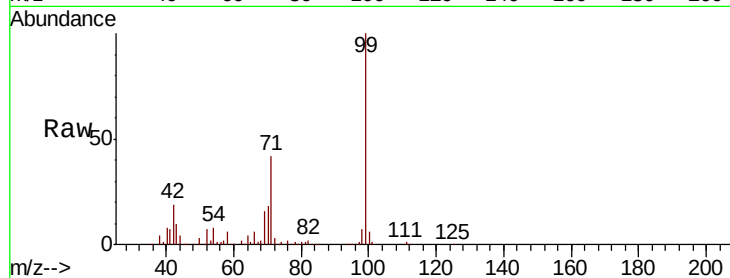
Tot Ion: 99 Resp: 288297

Ion Ratio Lower Upper

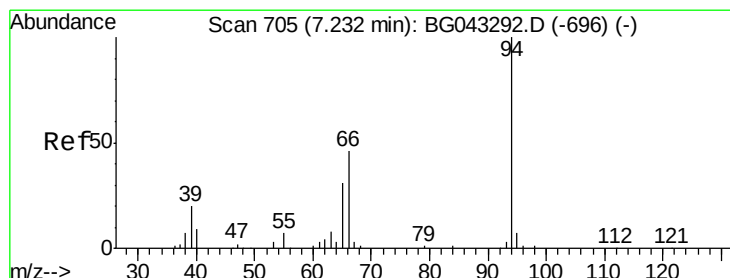
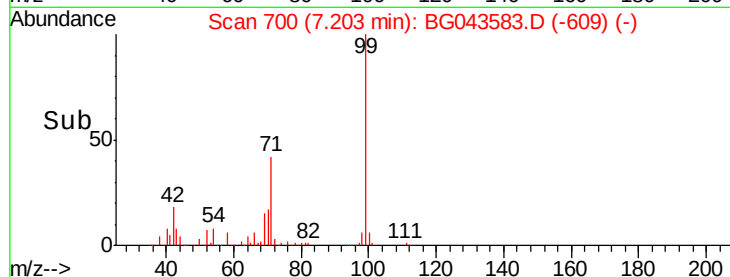
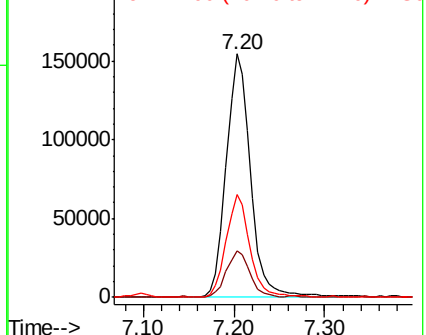
99 100

42 18.9 14.6 21.8

71 42.3 32.5 48.7



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



#10

Phenol

Concen: 4.350 ng

RT: 7.23 min Scan# 705

Delta R.T. 0.01 min

Lab File: BG043583.D

Acq: 8 Nov 2019 23:50

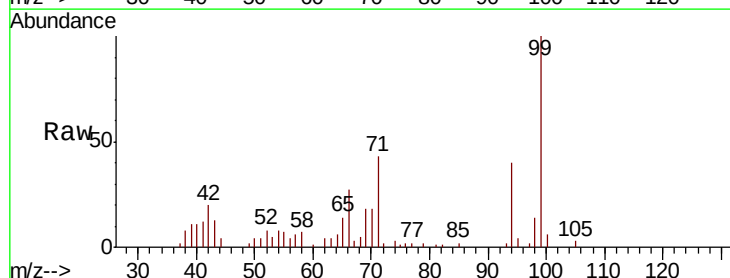
Tgt Ion: 94 Resp: 9356

Ion Ratio Lower Upper

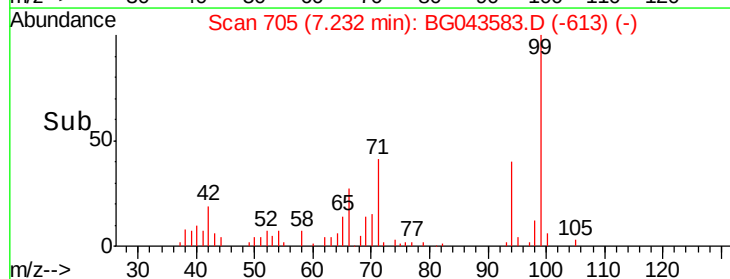
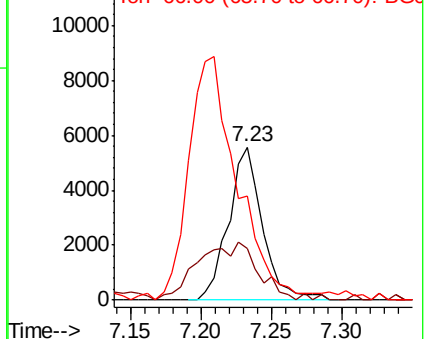
94 100

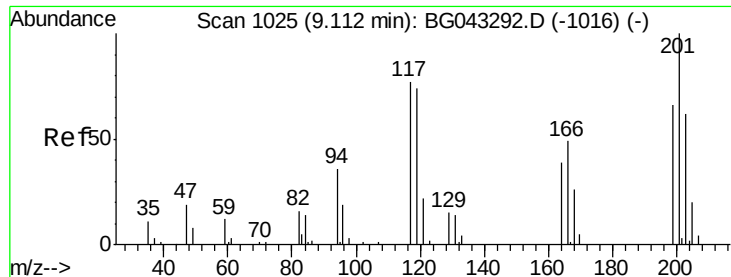
65 34.1 12.6 52.6

66 68.1 30.7 70.7



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

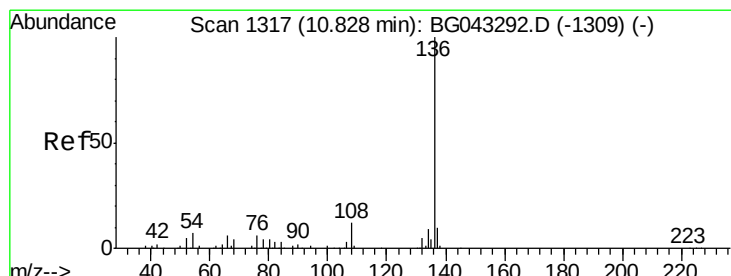
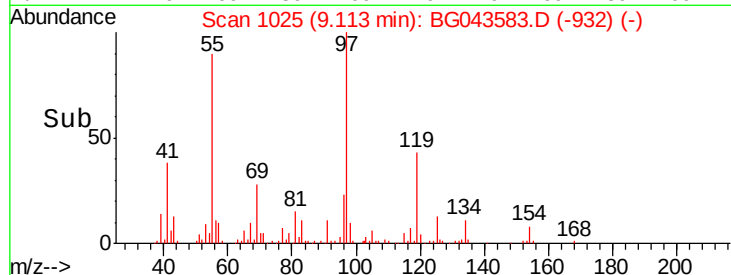
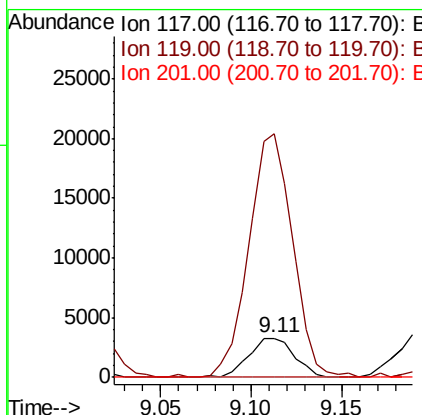
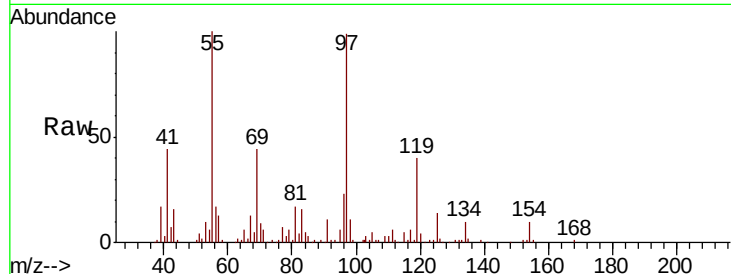




#18
 Hexachloroethane
 Concen: 6.995 ng
 RT: 9.11 min Scan# 1025
 Delta R.T. 0.02 min
 Lab File: BG043583.D
 Acq: 8 Nov 2019 23:50

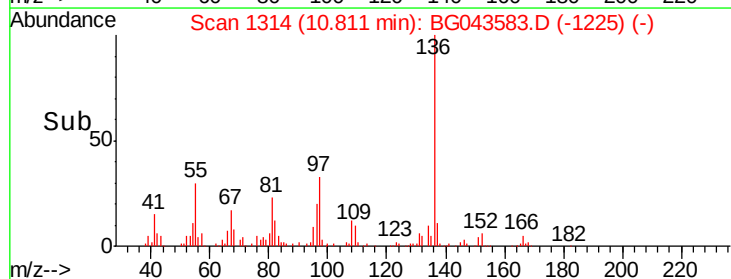
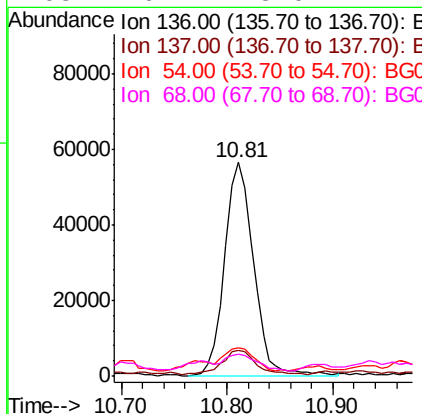
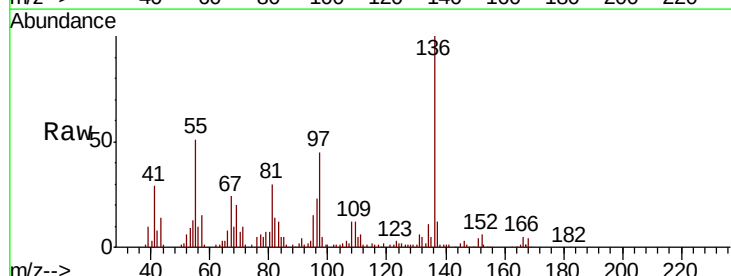
Instrument :
 BNA_G
 ClientSampled :
 SB-35-(6-8)

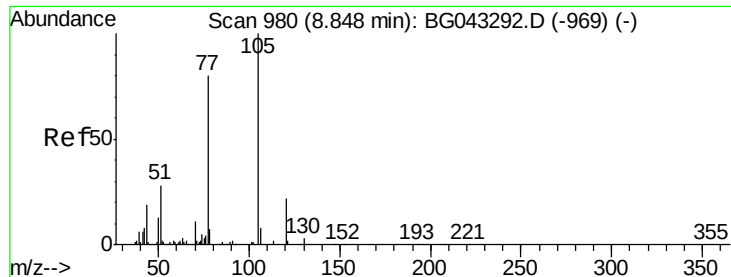
Tot Ion:117 Resp: 5777
 Ion Ratio Lower Upper
 117 100
 119 623.1 79.0 118.4#
 201 0.0 105.4 158.2#



#21
 Naphthalene-d8
 Concen: 20.000 ng
 RT: 10.81 min Scan# 1314
 Delta R.T. -0.01 min
 Lab File: BG043583.D
 Acq: 8 Nov 2019 23:50

Tgt Ion:136 Resp: 108157
 Ion Ratio Lower Upper
 136 100
 137 12.1 8.7 13.1
 54 13.0 5.4 8.2#
 68 10.1 3.0 4.4#

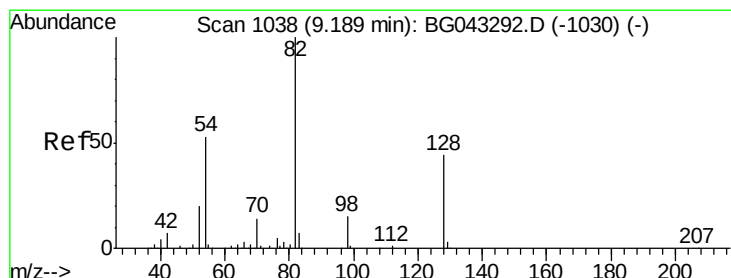
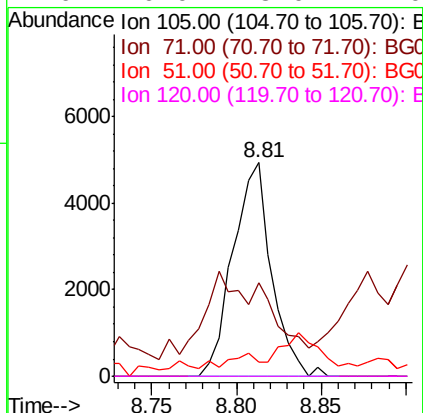
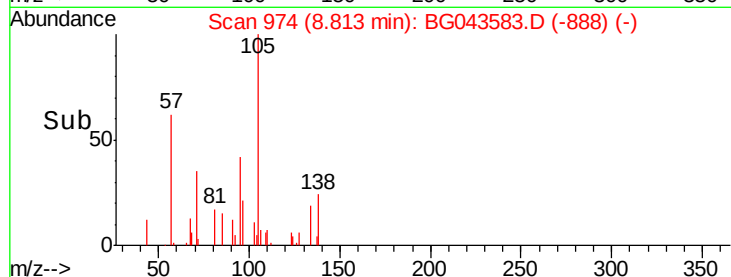
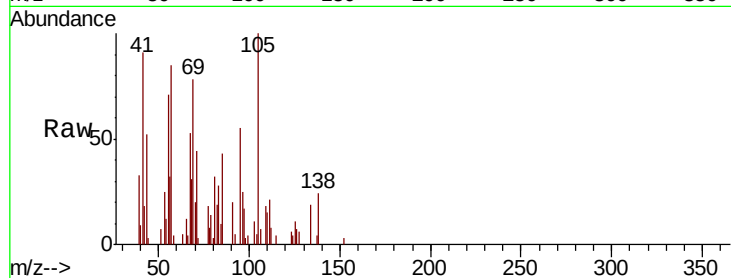




#22
Acetophenone
Concen: 2.826 ng
RT: 8.81 min Scan# 974
Delta R.T. -0.02 min
Lab File: BG043583.D
Acq: 8 Nov 2019 23:50

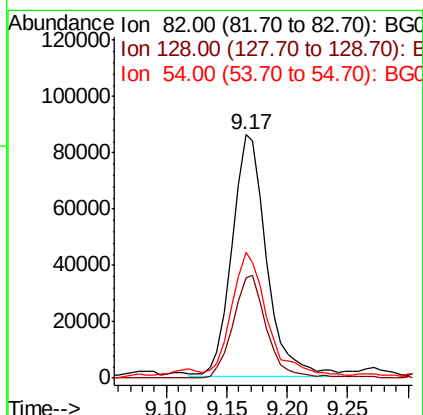
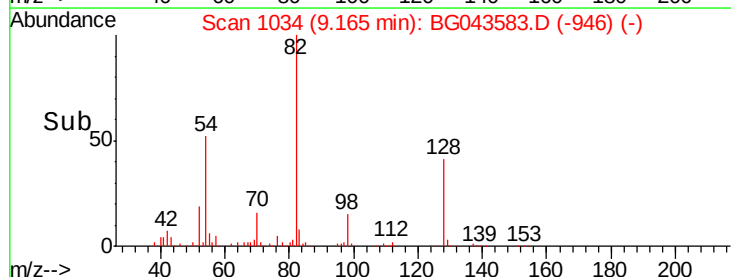
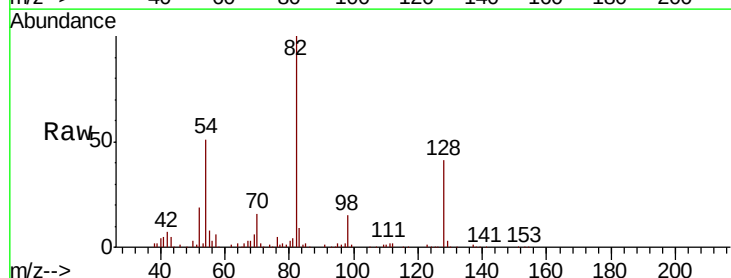
Instrument :
BNA_G
ClientSampleId :
SB-35-(6-8)

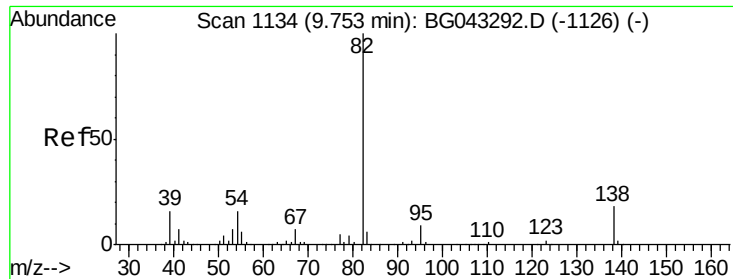
Tot Ion:105 Resp: 7828
Ion Ratio Lower Upper
105 100
71 44.0 0.8 1.2#
51 6.7 21.0 31.4#
120 0.0 18.0 27.0#



#23
Nitrobenzene-d5
Concen: 82.325 ng
RT: 9.17 min Scan# 1034
Delta R.T. -0.01 min
Lab File: BG043583.D
Acq: 8 Nov 2019 23:50

Tgt Ion: 82 Resp: 172710
Ion Ratio Lower Upper
82 100
128 41.2 35.0 52.6
54 51.5 40.2 60.2





#25

Isophorone

Concen: 5.232 ng

RT: 9.73 min Scan# 1130

Delta R.T. -0.01 min

Lab File: BG043583.D

Acq: 8 Nov 2019 23:50

Instrument :

BNA_G

ClientSampleId :

SB-35-(6-8)

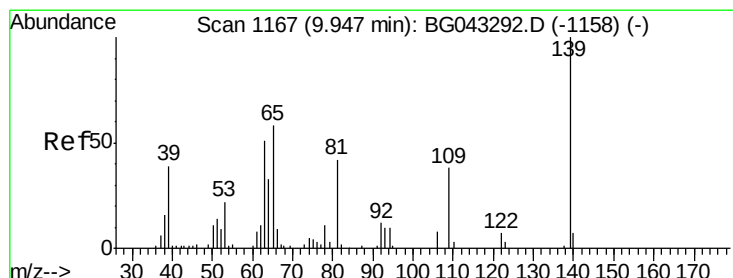
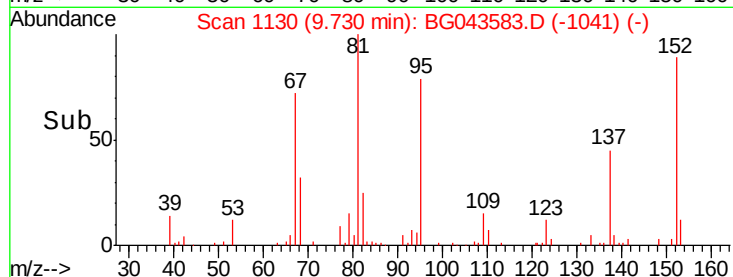
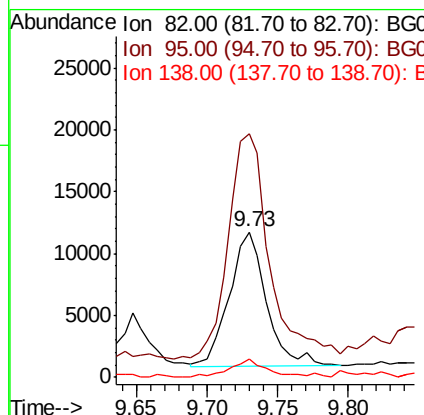
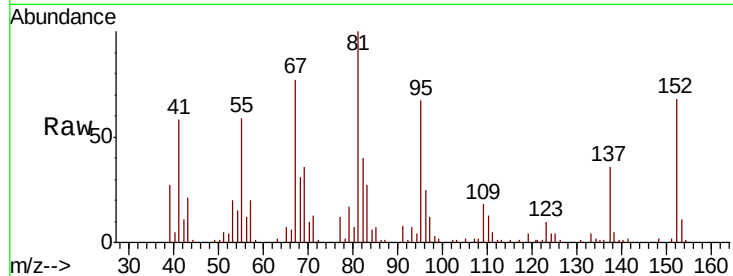
Tot Ion: 82 Resp: 20069

Ion Ratio Lower Upper

82 100

95 167.1 6.6 9.8#

138 12.3 15.2 22.8#



#26

2-Nitrophenol

Concen: 4.610 ng

RT: 9.92 min Scan# 1163

Delta R.T. -0.01 min

Lab File: BG043583.D

Acq: 8 Nov 2019 23:50

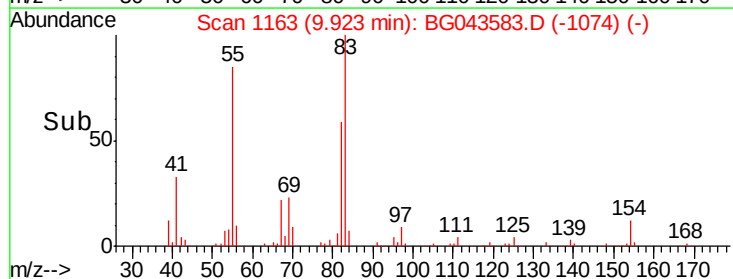
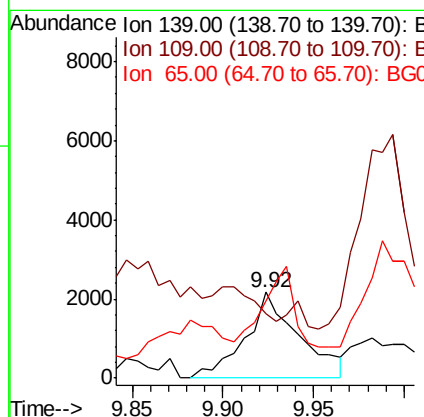
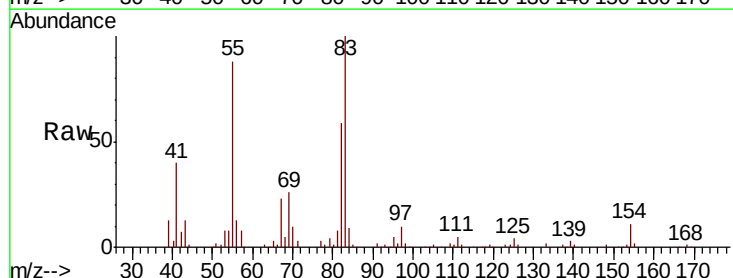
Tgt Ion: 139 Resp: 4448

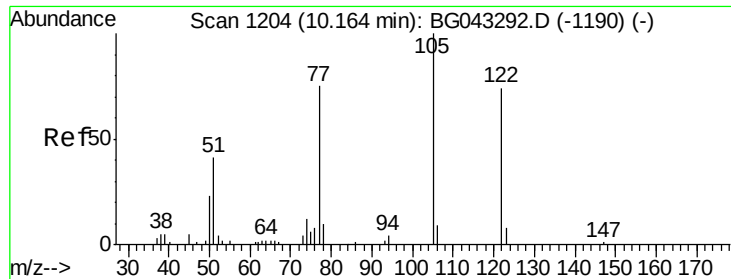
Ion Ratio Lower Upper

139 100

109 74.8 26.5 39.7#

65 89.9 43.8 65.8#

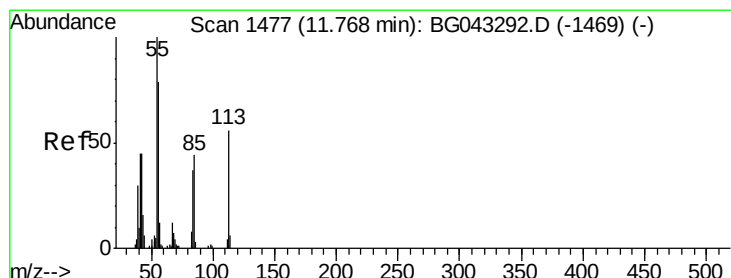
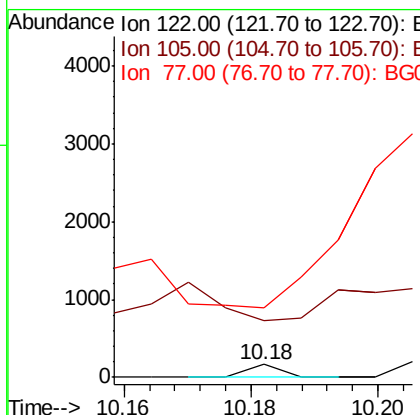
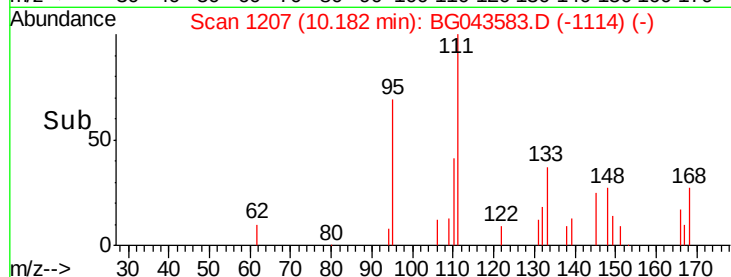
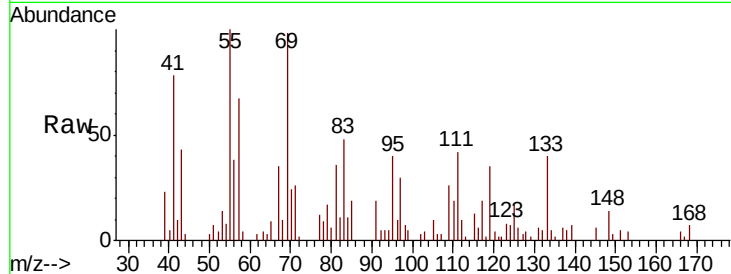




#32
Benzoic acid
Concen: 9.094 ng
RT: 10.18 min Scan# 1207
Delta R.T. 0.02 min
Lab File: BG043583.D
Acq: 8 Nov 2019 23:50

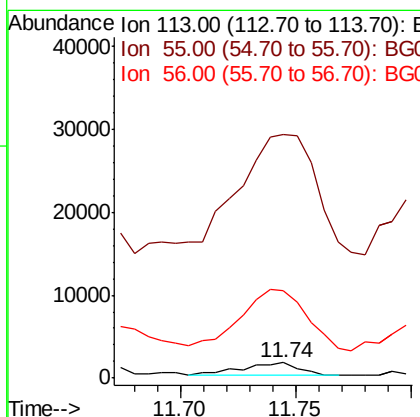
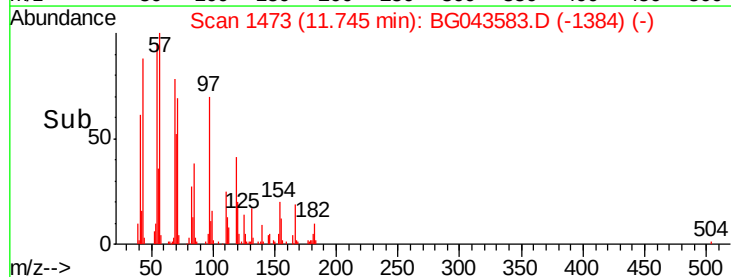
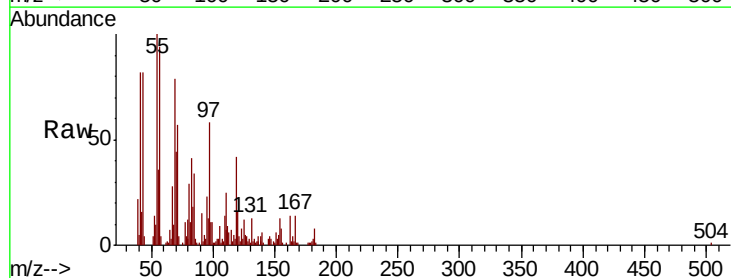
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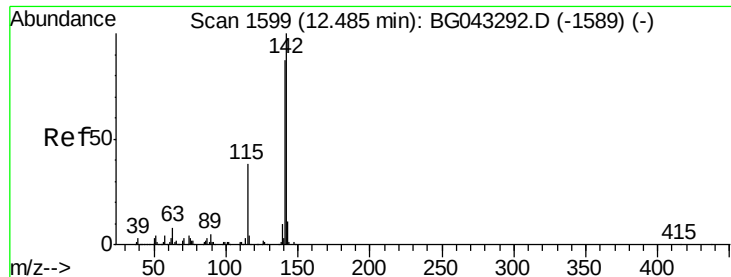
Tot Ion:122 Resp: 59
Ion Ratio Lower Upper
122 100
105 436.9 103.3 143.3#
77 530.4 84.9 124.9#



#35
Caprolactam
Concen: 4.267 ng
RT: 11.74 min Scan# 1473
Delta R.T. -0.01 min
Lab File: BG043583.D
Acq: 8 Nov 2019 23:50

Tgt Ion:113 Resp: 2604
Ion Ratio Lower Upper
113 100
55 1603.1 134.1 174.1#
56 579.7 100.4 140.4#

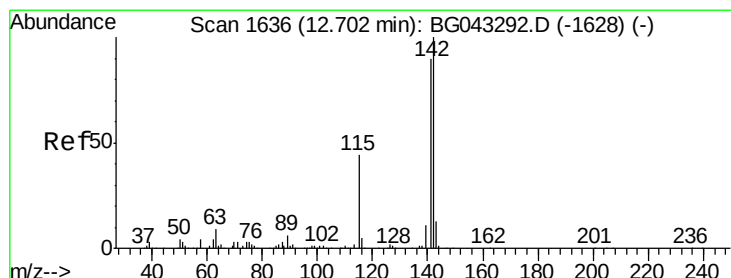
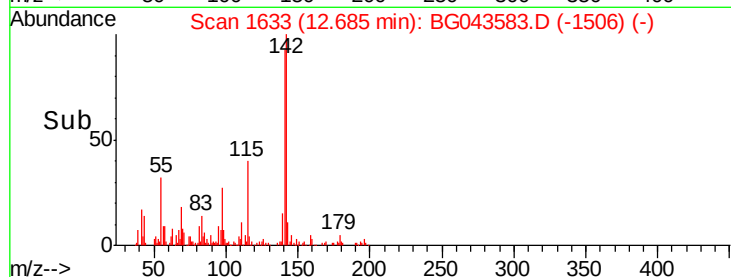
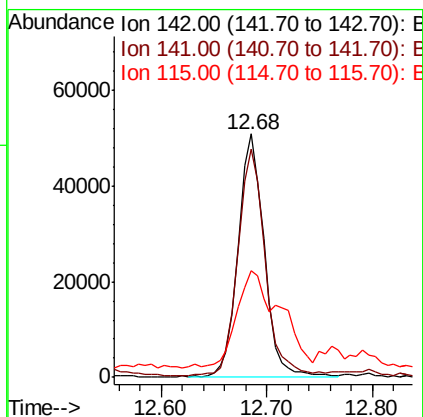
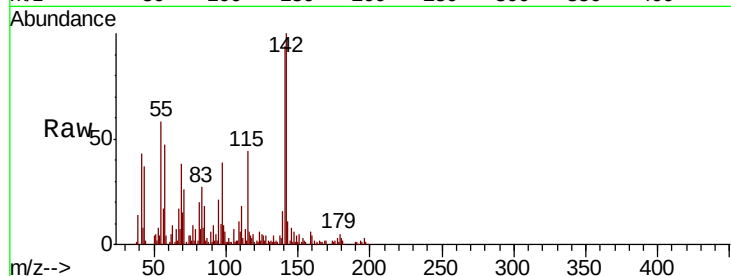




#37
2-Methylnaphthalene
Concen: 20.740 ng
RT: 12.68 min Scan# 1633
Delta R.T. 0.22 min
Lab File: BG043583.D
Acq: 8 Nov 2019 23:50

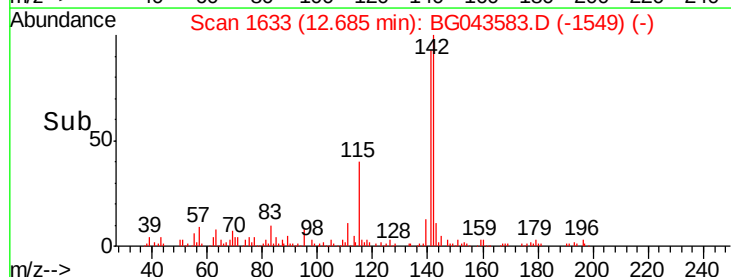
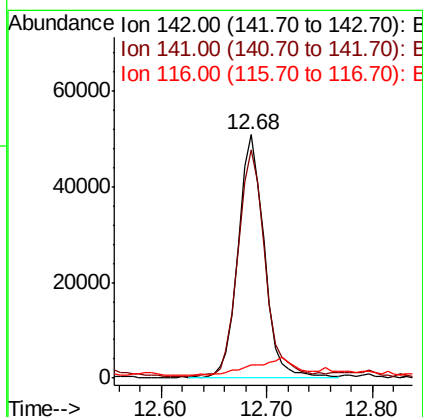
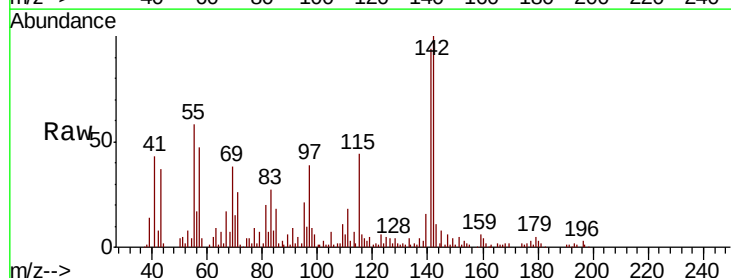
Instrument :
BNA_G
ClientSampleId :
SB-35-(6-8)

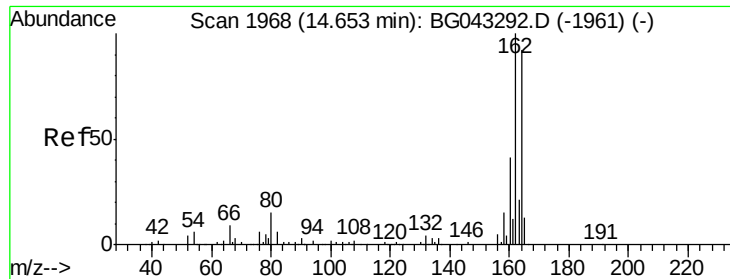
Tot Ion	Ratio	Lower	Upper
142	100		
141	93.8	72.2	108.2
115	44.0	33.2	49.8



#38
1-Methylnaphthalene
Concen: 21.798 ng
RT: 12.68 min Scan# 1633
Delta R.T. -0.01 min
Lab File: BG043583.D
Acq: 8 Nov 2019 23:50

Tgt Ion	Ratio	Lower	Upper
142	100		
141	93.8	73.2	109.8
116	5.6	3.6	5.4#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.64 min Scan# 1965

Delta R.T. -0.01 min

Lab File: BG043583.D

Acq: 8 Nov 2019 23:50

Instrument :

BNA_G

ClientSampleId :

SB-35-(6-8)

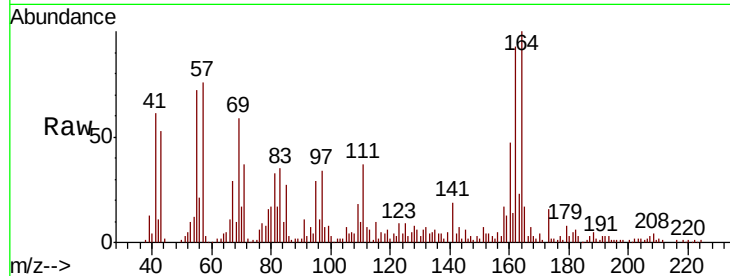
Tot Ion:164 Resp: 81775

Ion Ratio Lower Upper

164 100

162 93.2 83.5 125.3

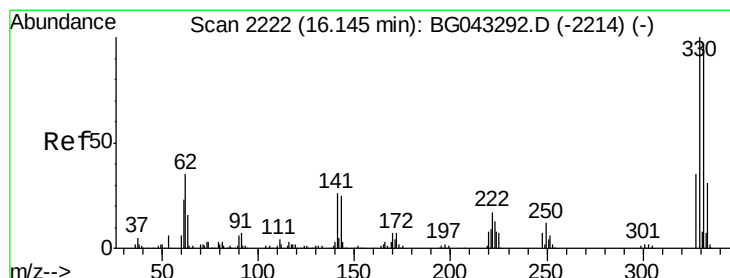
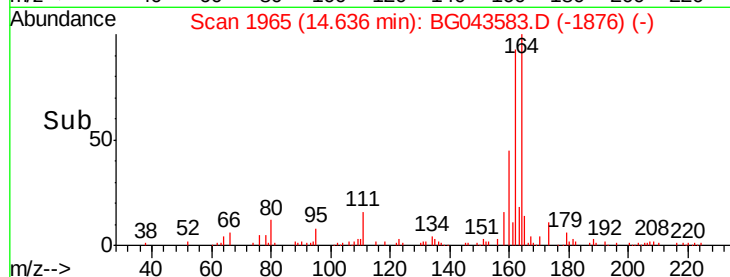
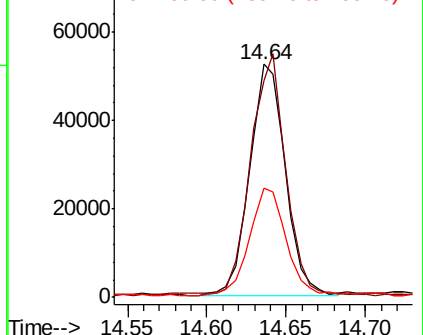
160 46.6 36.5 54.7



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: 118.448 ng

RT: 16.13 min Scan# 2220

Delta R.T. 0.00 min

Lab File: BG043583.D

Acq: 8 Nov 2019 23:50

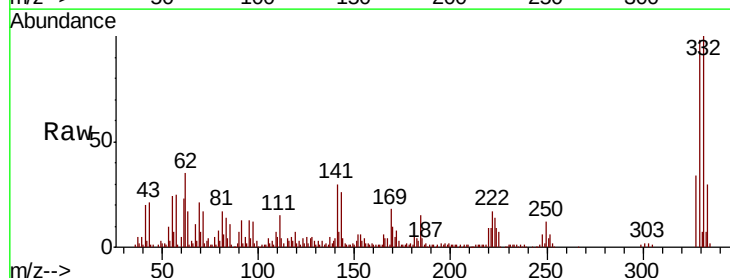
Tgt Ion:330 Resp: 184326

Ion Ratio Lower Upper

330 100

332 95.9 77.4 116.0

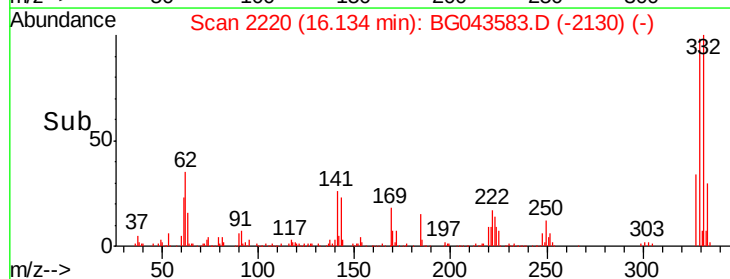
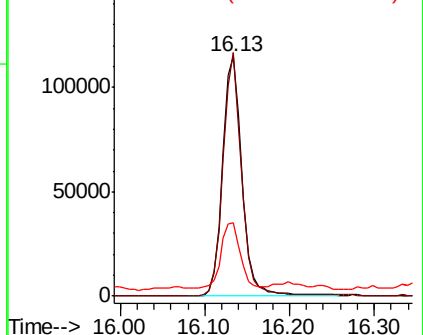
141 27.4 22.8 34.2

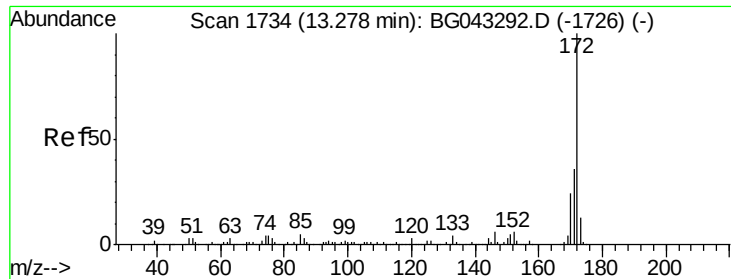


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

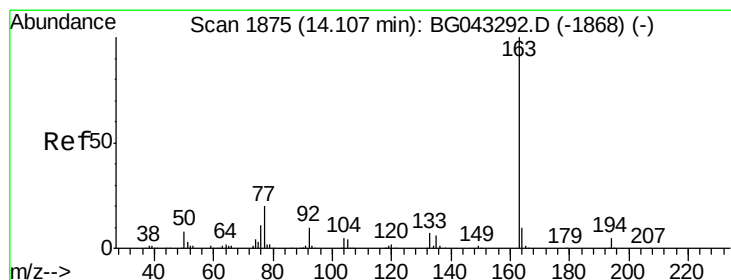
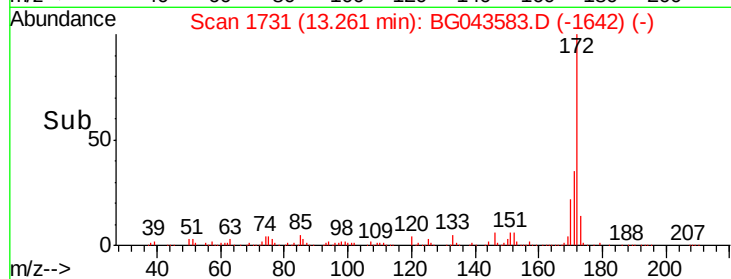
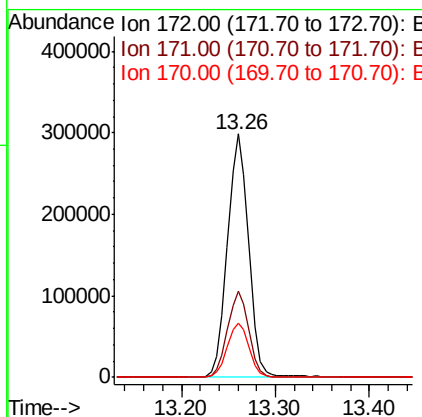
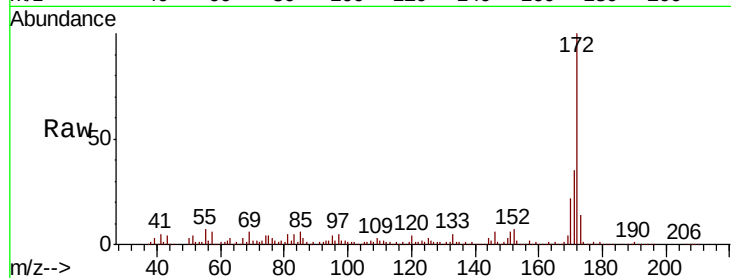




#45
2-Fluorobiphenyl
Concen: 79.050 ng
RT: 13.26 min Scan# 1731
Delta R.T. -0.01 min
Lab File: BG043583.D
Acq: 8 Nov 2019 23:50

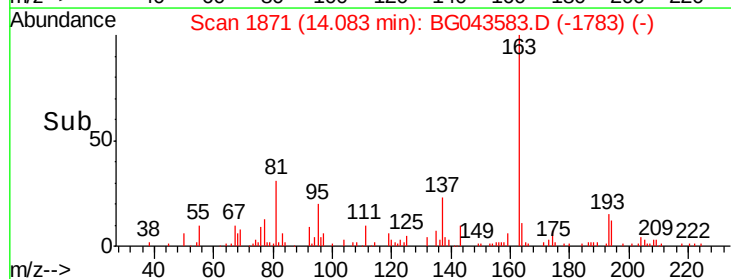
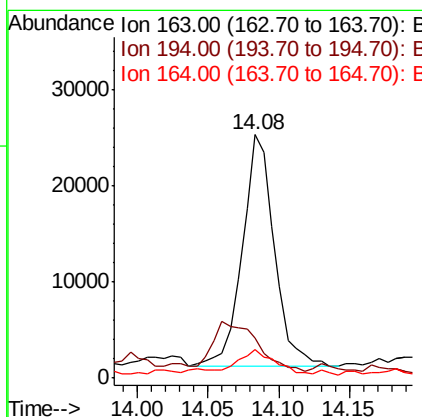
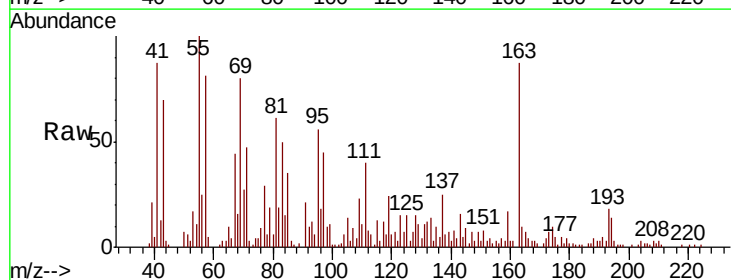
Instrument :
BNA_G
ClientSampleId :
SB-35-(6-8)

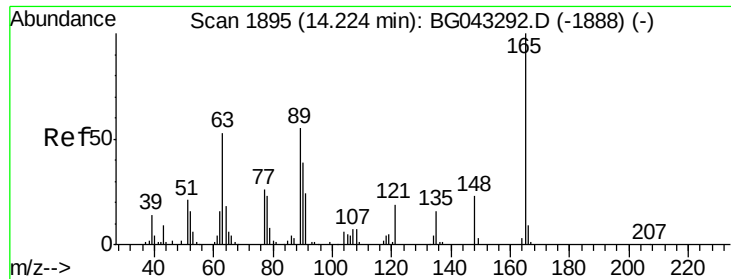
Tot Ion:172 Resp: 467818
Ion Ratio Lower Upper
172 100
171 35.5 28.9 43.3
170 22.3 18.5 27.7



#50
Dimethylphthalate
Concen: 6.006 ng
RT: 14.08 min Scan# 1871
Delta R.T. -0.01 min
Lab File: BG043583.D
Acq: 8 Nov 2019 23:50

Tgt Ion:163 Resp: 38044
Ion Ratio Lower Upper
163 100
194 16.3 3.8 5.6#
164 11.6 8.9 13.3

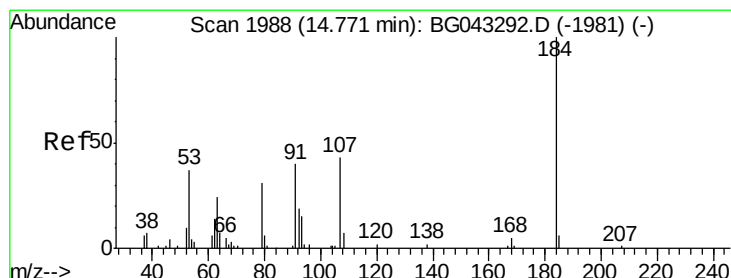
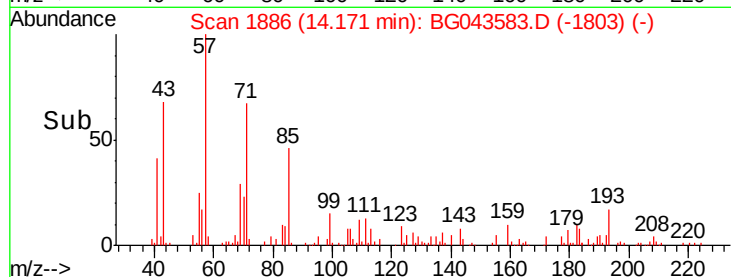
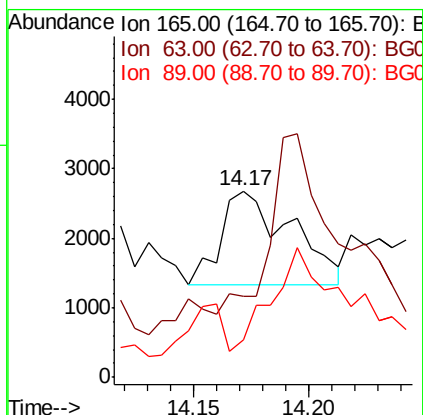
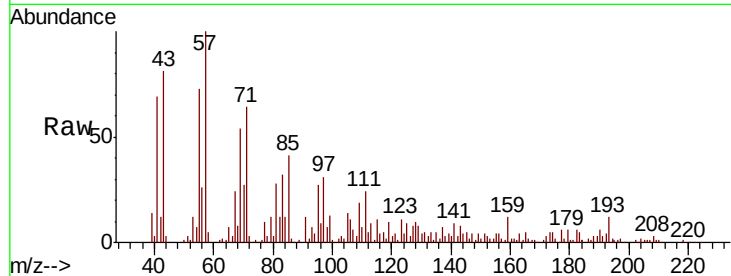




#51
 2,6-Dinitrotoluene
 Concen: 2.117 ng
 RT: 14.17 min Scan# 1886
 Delta R.T. -0.04 min
 Lab File: BG043583.D
 Acq: 8 Nov 2019 23:50

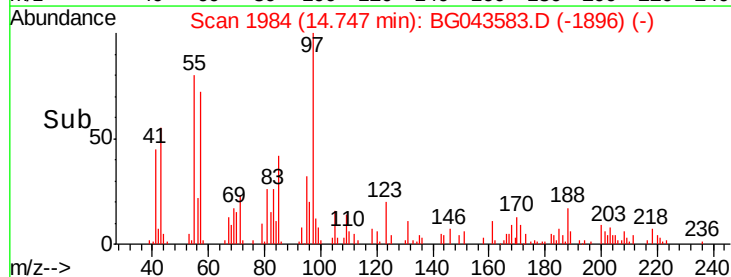
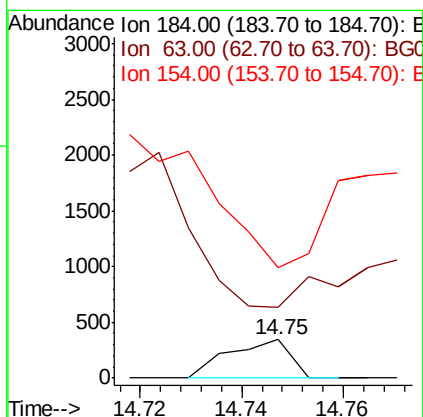
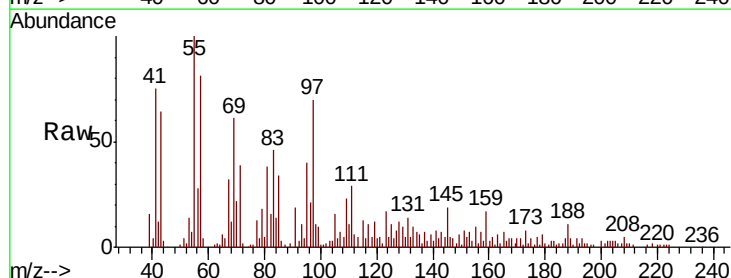
Instrument :
 BNA_G
 ClientSampled :
 SB-35-(6-8)

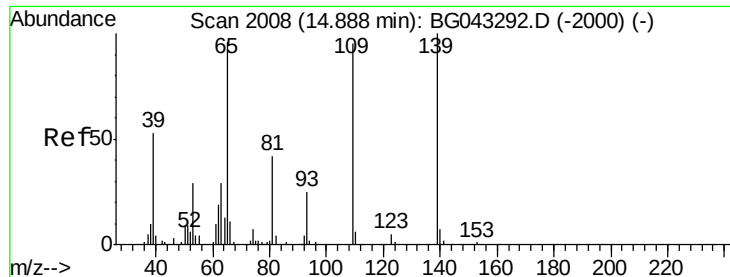
Tot Ion:165 Resp: 2913
 Ion Ratio Lower Upper
 165 100
 63 43.7 46.6 69.8#
 89 20.5 45.1 67.7#



#54
 2,4-Dinitrophenol
 Concen: 7.592 ng
 RT: 14.75 min Scan# 1984
 Delta R.T. -0.01 min
 Lab File: BG043583.D
 Acq: 8 Nov 2019 23:50

Tgt Ion:184 Resp: 292
 Ion Ratio Lower Upper
 184 100
 63 182.7 51.3 76.9#
 154 285.6 55.4 83.0#

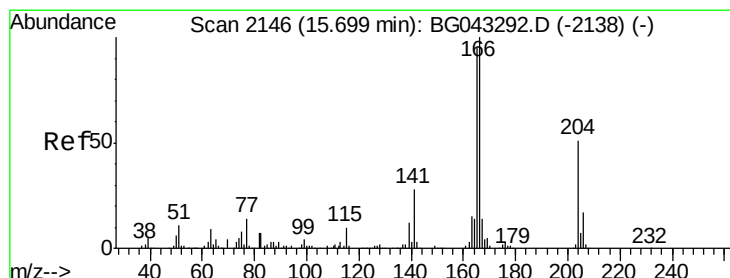
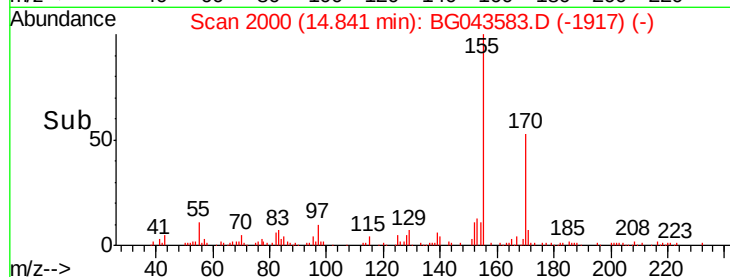
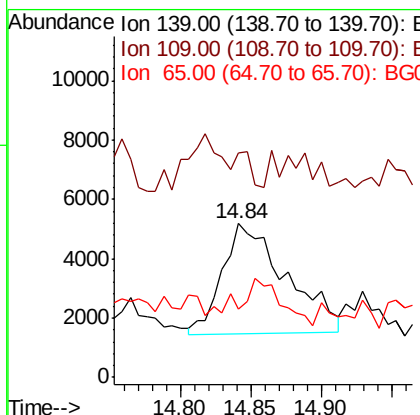
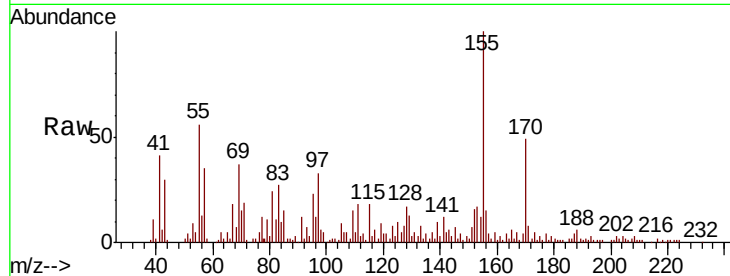




#56
4-Nitrophenol
Concen: 13.189 ng
RT: 14.84 min Scan# 2000
Delta R.T. -0.04 min
Lab File: BG043583.D
Acq: 8 Nov 2019 23:50

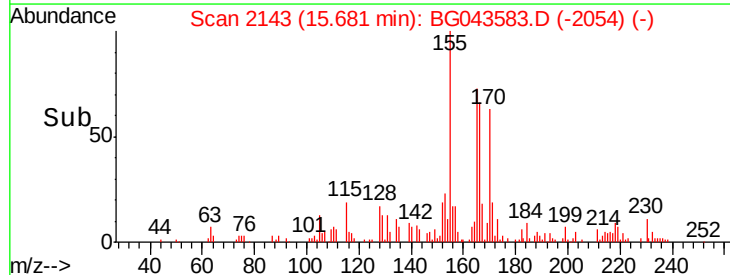
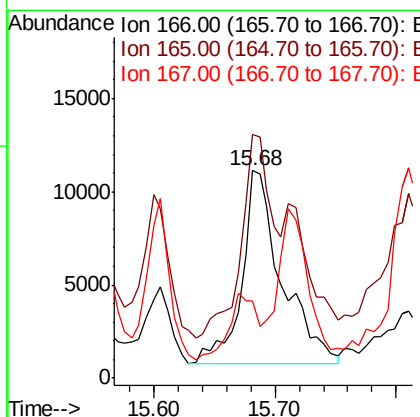
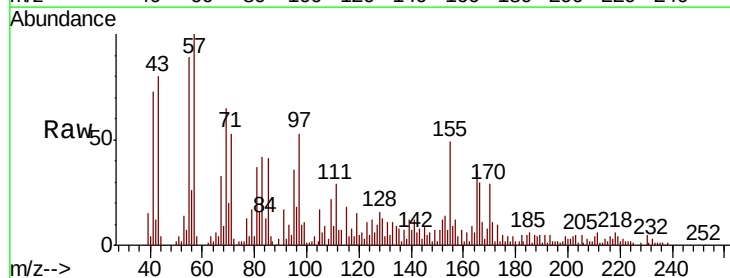
Instrument :
BNA_G
ClientSampleId :
SB-35-(6-8)

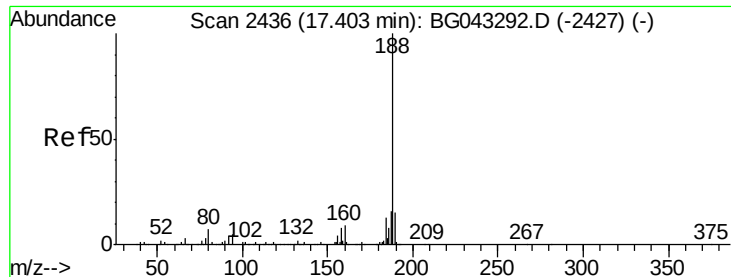
Tot Ion:139 Resp: 11742
Ion Ratio Lower Upper
139 100
109 145.8 87.2 127.2#
65 44.3 83.8 123.8#



#58
Fluorene
Concen: 3.901 ng
RT: 15.68 min Scan# 2143
Delta R.T. -0.01 min
Lab File: BG043583.D
Acq: 8 Nov 2019 23:50

Tgt Ion:166 Resp: 23839
Ion Ratio Lower Upper
166 100
165 117.4 79.0 118.6
167 37.0 10.5 15.7#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.39 min Scan# 2433

Delta R.T. -0.01 min

Lab File: BG043583.D

Acq: 8 Nov 2019 23:50

Instrument :

BNA_G

ClientSampleId :

SB-35-(6-8)

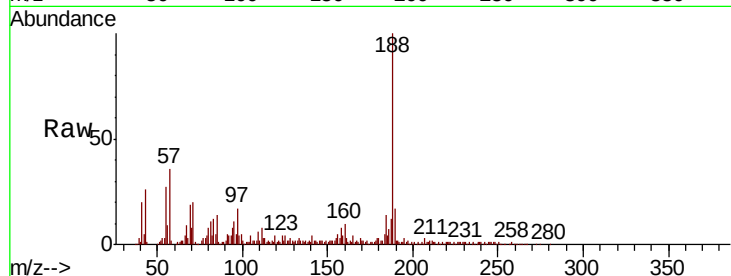
Tot Ion:188 Resp: 192029

Ion Ratio Lower Upper

188 100

94 7.6 4.2 6.4#

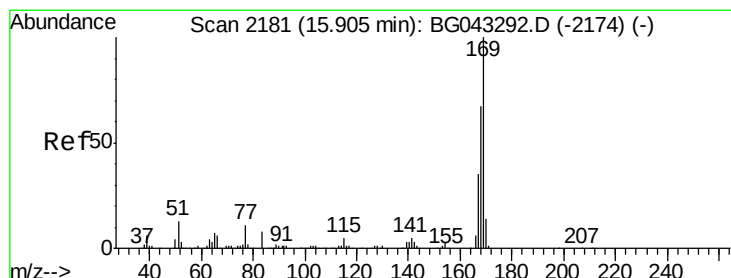
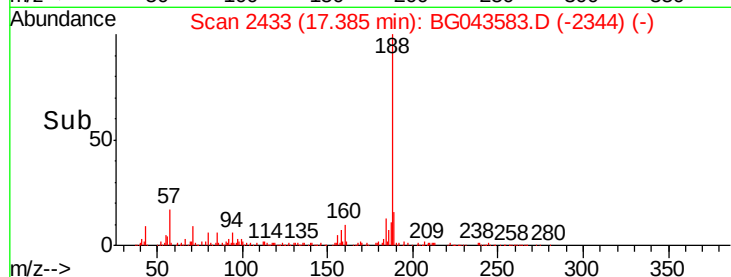
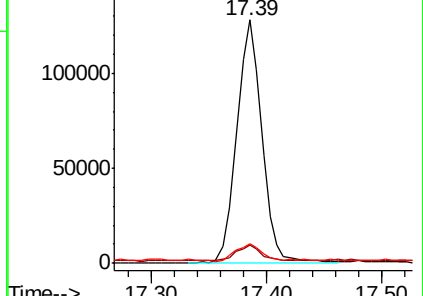
80 7.9 4.5 6.7#



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



#66

n-Nitrosodiphenylamine

Concen: 10.270 ng

RT: 15.89 min Scan# 2179

Delta R.T. 0.00 min

Lab File: BG043583.D

Acq: 8 Nov 2019 23:50

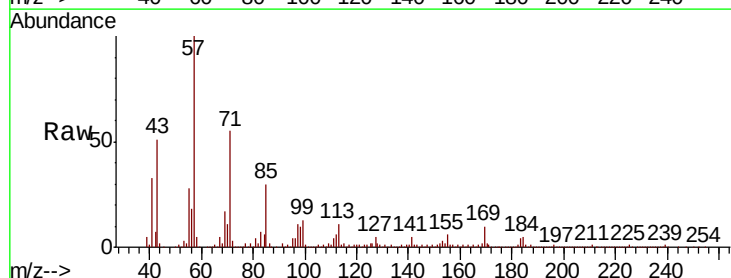
Tgt Ion:169 Resp: 55680

Ion Ratio Lower Upper

169 100

168 20.2 53.8 80.6#

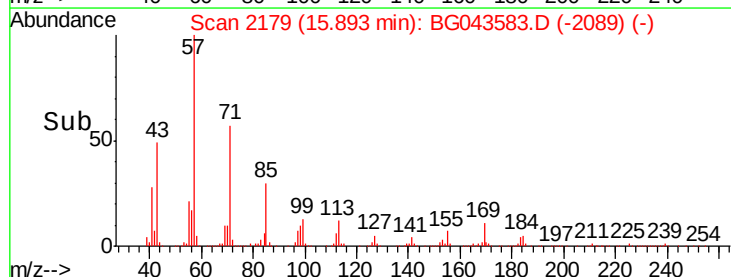
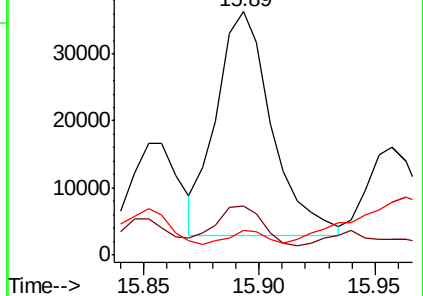
167 9.9 27.5 41.3#

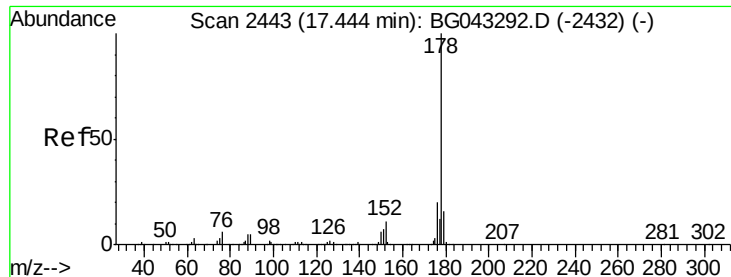


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E





#71

Phenanthrene

Concen: 6.325 ng

RT: 17.43 min Scan# 2440

Delta R.T. -0.01 min

Lab File: BG043583.D

Acq: 8 Nov 2019 23:50

Instrument :

BNA_G

ClientSampled :

SB-35-(6-8)

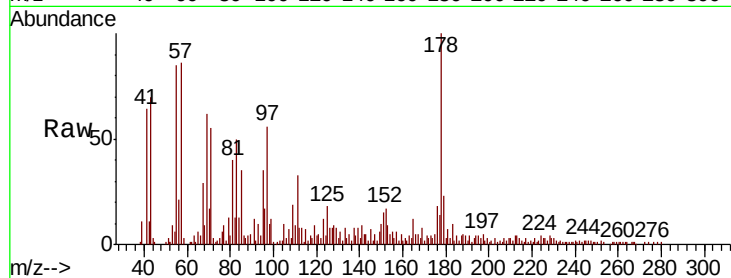
Tot Ion:178 Resp: 62197

Ion Ratio Lower Upper

178 100

176 18.4 15.4 23.0

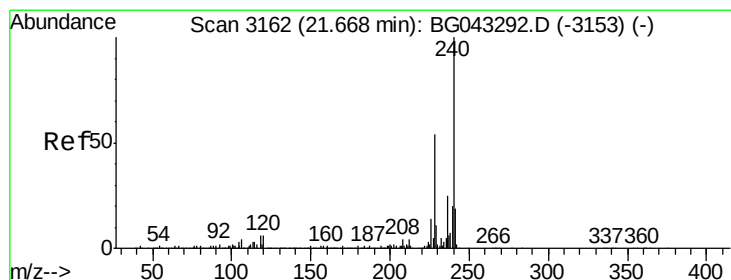
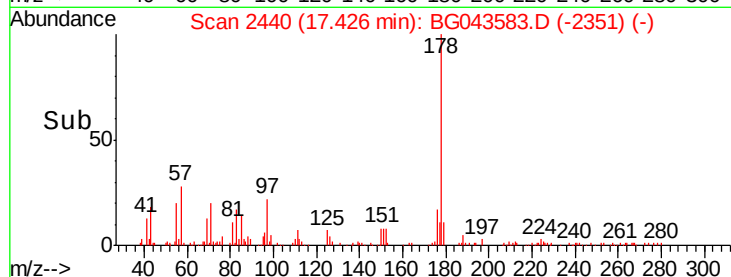
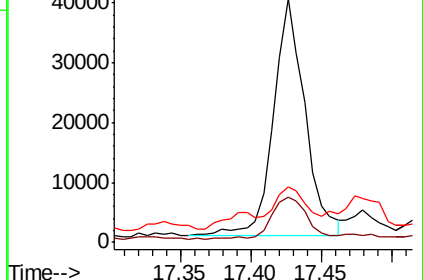
179 22.5 13.0 19.6#



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.64 min Scan# 3158

Delta R.T. -0.01 min

Lab File: BG043583.D

Acq: 8 Nov 2019 23:50

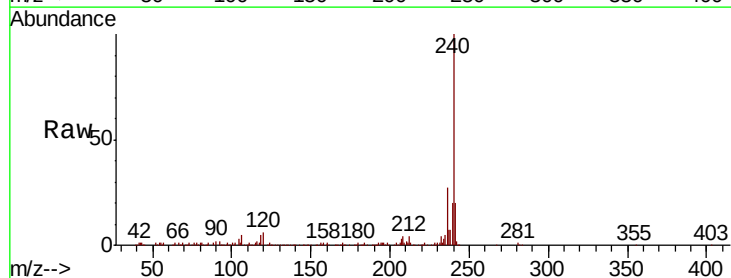
Tgt Ion:240 Resp: 206741

Ion Ratio Lower Upper

240 100

120 6.1 4.6 6.8

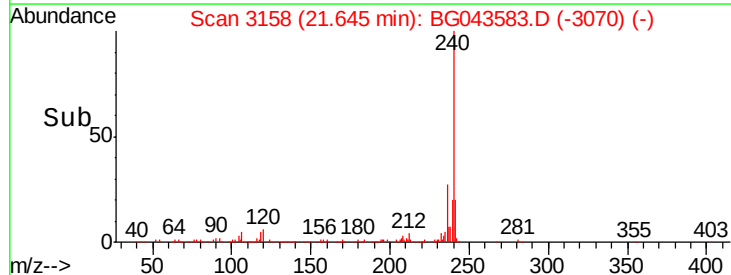
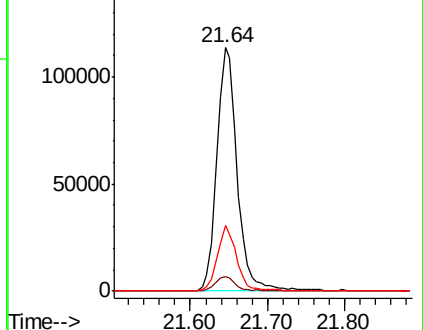
236 27.1 19.8 29.8

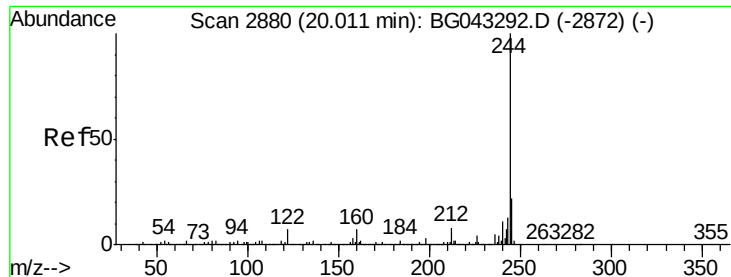


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#79

Terphenyl-d14

Concen: 85.966 ng

RT: 19.99 min Scan# 2877

Delta R.T. -0.01 min

Lab File: BG043583.D

Acq: 8 Nov 2019 23:50

Instrument :

BNA_G

ClientSampleId :

SB-35-(6-8)

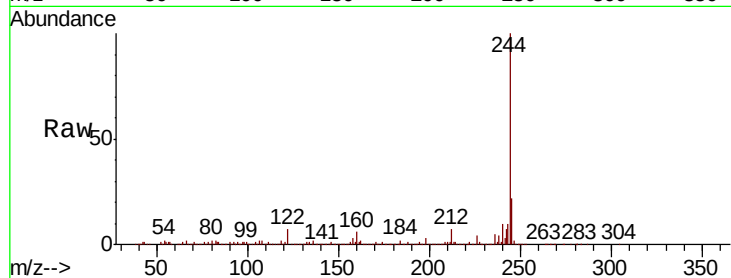
Tot Ion:244 Resp: 947346

Ion Ratio Lower Upper

244 100

212 7.2 5.8 8.6

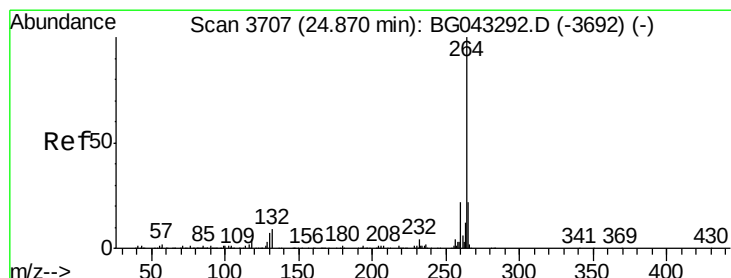
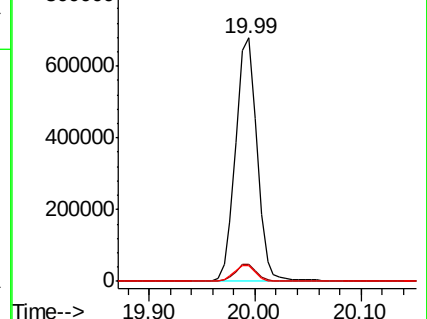
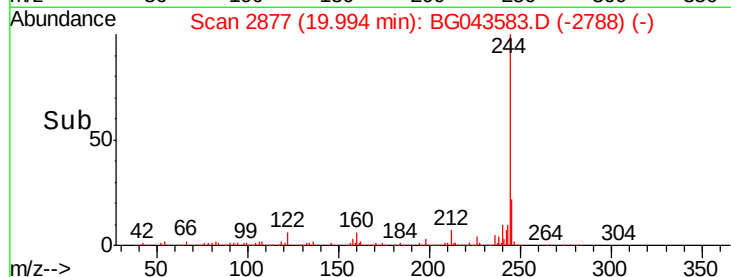
122 6.5 5.4 8.2



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: 24.83 min Scan# 3700

Delta R.T. -0.02 min

Lab File: BG043583.D

Acq: 8 Nov 2019 23:50

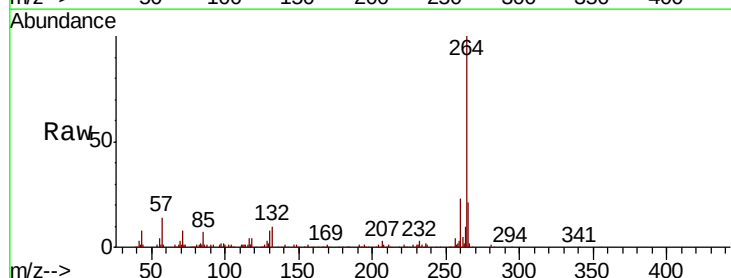
Tgt Ion:264 Resp: 238486

Ion Ratio Lower Upper

264 100

260 22.9 17.5 26.3

265 20.8 17.4 26.0



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

