

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG110619\
 Data File : BG043535.D
 Acq On : 7 Nov 2019 00:40
 Operator : JU
 Sample : K5671-01 2X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Nov 07 02:47:47 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	8.01	152	44462	20.00	ng	0.00
21) Naphthalene-d8	10.81	136	169894	20.00	ng	0.00
39) Acenaphthene-d10	14.64	164	112074	20.00	ng	0.00
64) Phenanthrene-d10	17.39	188	235634	20.00	ng	0.00
76) Chrysene-d12	21.65	240	242759	20.00	ng	0.00
87) Perylene-d12	24.86	264	294534	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.60	112	111941	46.14	ng	0.00
7) Phenol-d6	7.19	99	152390	43.65	ng	0.00
23) Nitrobenzene-d5	9.17	82	92210	27.98	ng	0.00
42) 2,4,6-Tribromophenol	16.13	330	73748	34.58	ng	0.00
45) 2-Fluorobiphenyl	13.26	172	247070	30.46	ng	0.00
79) Terphenyl-d14	20.00	244	399787	30.90	ng	0.00

Target Compounds

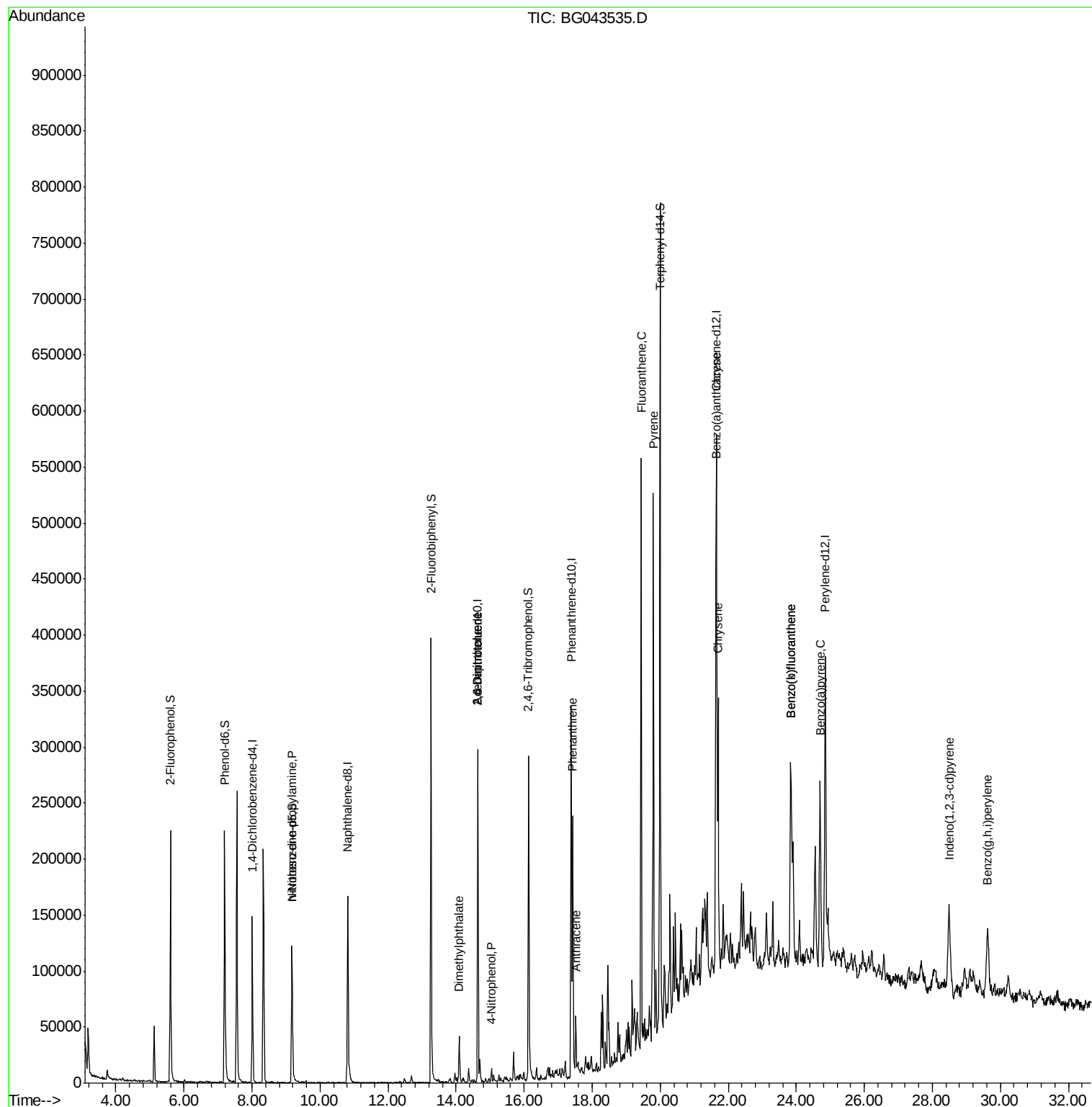
						Qvalue
19) n-Nitroso-di-n-propylamine	9.17	70	13167	5.837	ng	# 73
50) Dimethylphthalate	14.09	163	32203	3.710	ng	99
51) 2,6-Dinitrotoluene	14.64	165	15365	8.147	ng	# 24
56) 4-Nitrophenol	15.04	139	2504	2.052	ng	# 1
57) 2,4-Dinitrotoluene	14.64	165	15365	5.701	ng	# 27
71) Phenanthrene	17.43	178	158610	13.145	ng	99
72) Anthracene	17.52	178	43068	3.567	ng	98
75) Fluoranthene	19.44	202	358792	22.808	ng	98
78) Pyrene	19.80	202	359436	23.920	ng	99
81) Benzo(a)anthracene	21.64	228	209548	13.780	ng	99
83) Chrysene	21.70	228	188515	12.477	ng	97
86) Indeno(1,2,3-cd)pyrene	28.50	276	127567	6.726	ng	# 96
88) Benzo(b)fluoranthene	23.84	252	255825	15.336	ng	# 94
89) Benzo(k)fluoranthene	23.84	252	255825	15.234	ng	# 93
90) Benzo(a)pyrene	24.70	252	199434	12.520	ng	99
92) Benzo(g,h,i)perylene	29.63	276	134748	8.384	ng	96

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

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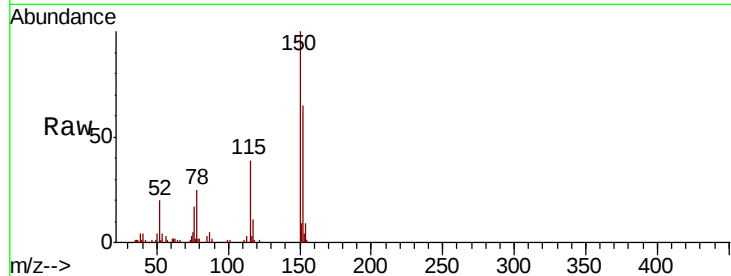


#1

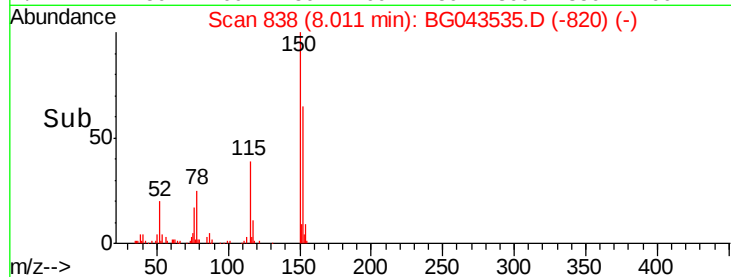
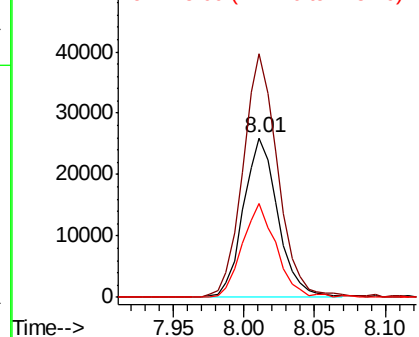
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.01 min Scan# 838
Delta R.T. 0.00 min
Lab File: BG043535.D
Acq: 7 Nov 2019 00:40

Instrument :
BNA_G
ClientSampled :

Tot Ion:152 Resp: 44462
Ion Ratio Lower Upper
152 100
150 153.0 129.4 194.0
115 59.1 48.8 73.2



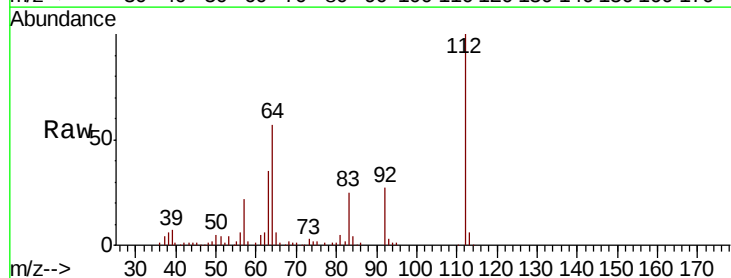
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



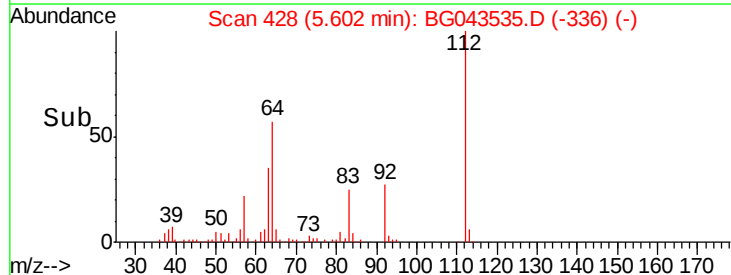
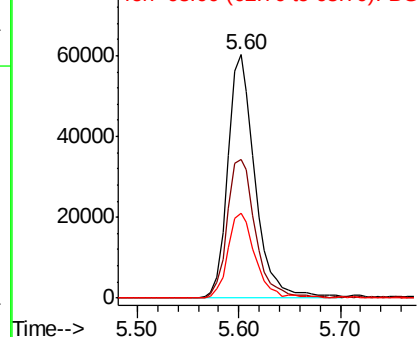
#5

2-Fluorophenol
Concen: 46.135 ng
RT: 5.60 min Scan# 428
Delta R.T. 0.01 min
Lab File: BG043535.D
Acq: 7 Nov 2019 00:40

Tgt Ion:112 Resp: 111941
Ion Ratio Lower Upper
112 100
64 57.1 50.0 75.0
63 35.0 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: 43.653 ng

RT: 7.19 min Scan# 699

Delta R.T. -0.00 min

Lab File: BG043535.D

Acq: 7 Nov 2019 00:40

Instrument :

BNA_G

ClientSampled :

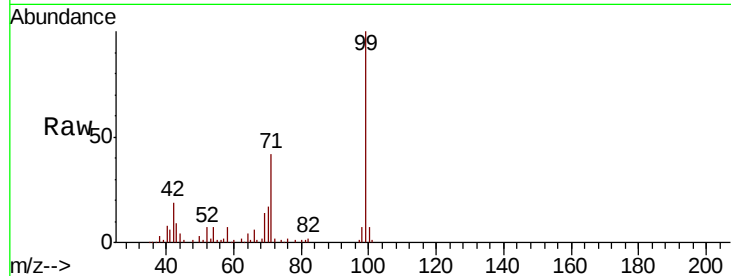
Tot Ion: 99 Resp: 152390

Ion Ratio Lower Upper

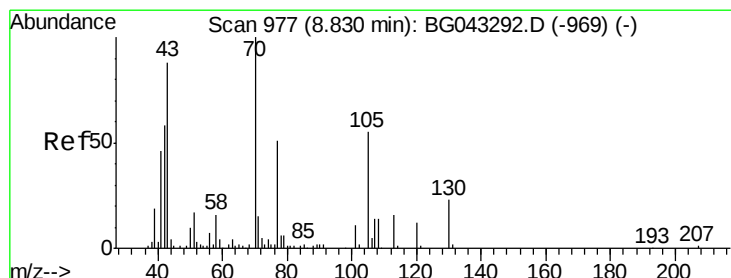
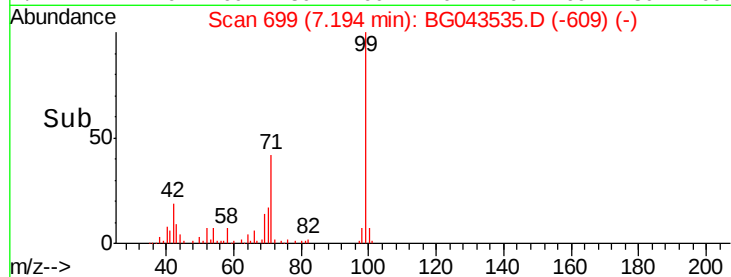
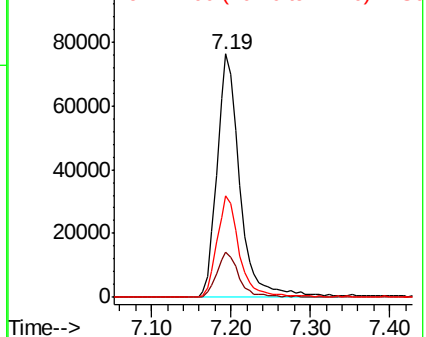
99 100

42 18.6 14.6 21.8

71 41.8 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



#19

n-Nitroso-di-n-propylamine

Concen: 5.837 ng

RT: 9.17 min Scan# 1036

Delta R.T. 0.36 min

Lab File: BG043535.D

Acq: 7 Nov 2019 00:40

Tgt Ion: 70 Resp: 13167

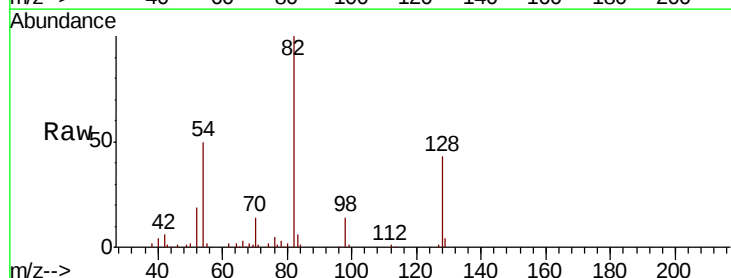
Ion Ratio Lower Upper

70 100

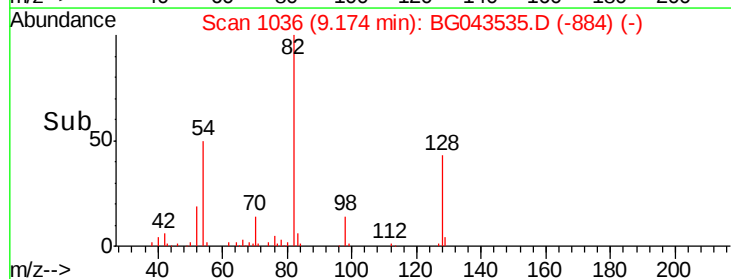
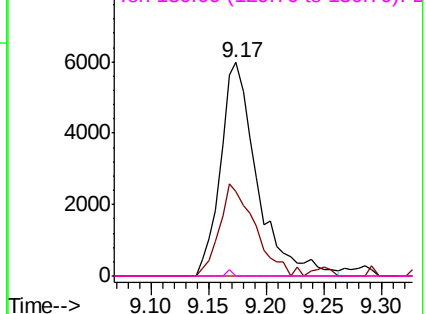
42 39.8 41.4 62.2#

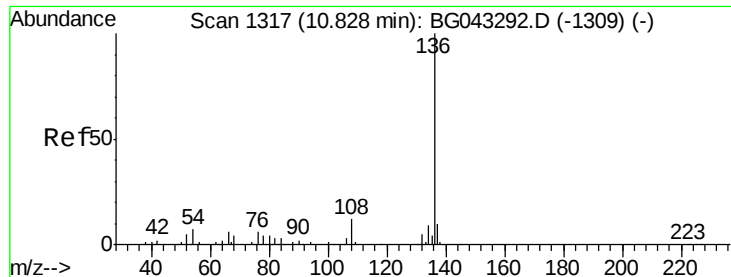
101 0.0 7.9 11.9#

130 0.0 19.0 28.4#



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: 20.000 ng

RT: 10.81 min Scan# 1315

Delta R.T. -0.00 min

Lab File: BG043535.D

Acq: 7 Nov 2019 00:40

Instrument :

BNA_G

ClientSampleId :

Tot Ion:136 Resp: 169894

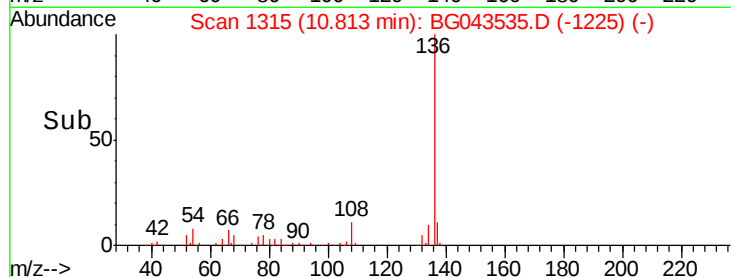
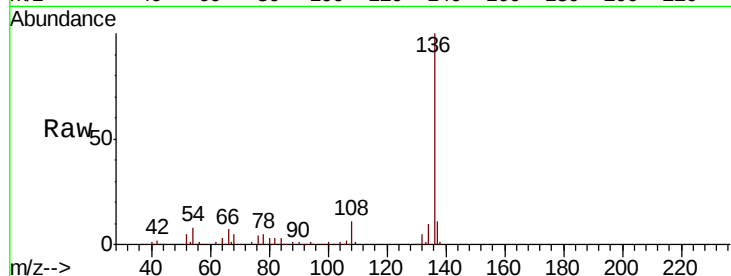
Ion Ratio Lower Upper

136 100

137 10.5 8.7 13.1

54 7.7 5.4 8.2

68 5.0 3.0 4.4#

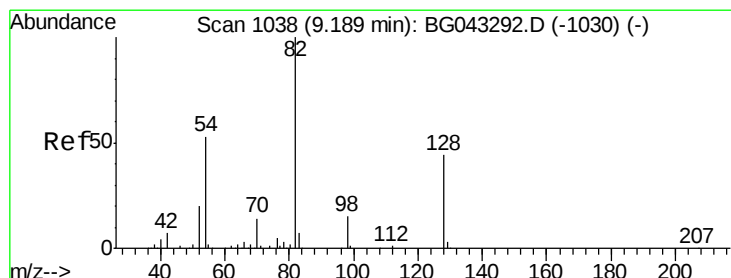
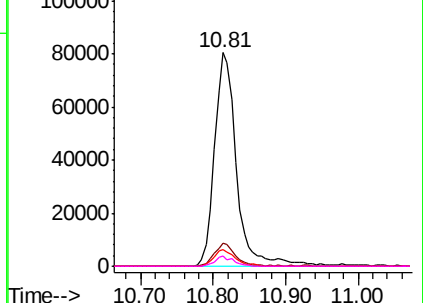


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BG

Ion 68.00 (67.70 to 68.70): BG



#23

Nitrobenzene-d5

Concen: 27.981 ng

RT: 9.17 min Scan# 1036

Delta R.T. -0.00 min

Lab File: BG043535.D

Acq: 7 Nov 2019 00:40

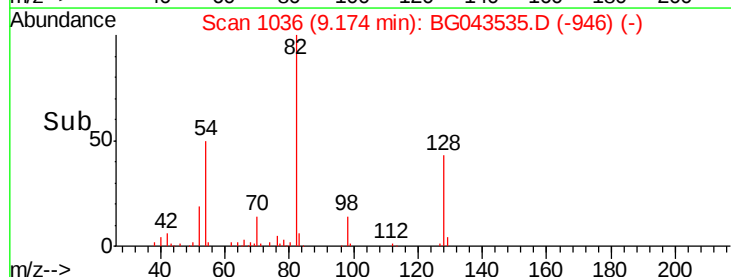
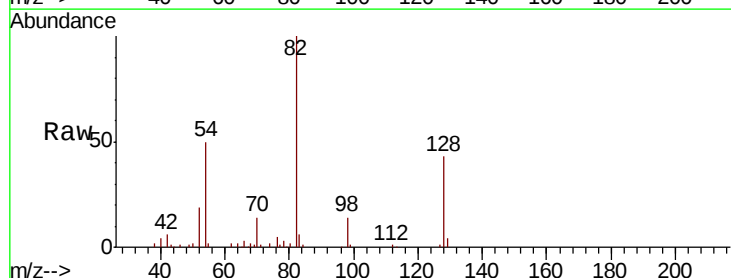
Tgt Ion: 82 Resp: 92210

Ion Ratio Lower Upper

82 100

128 42.9 35.0 52.6

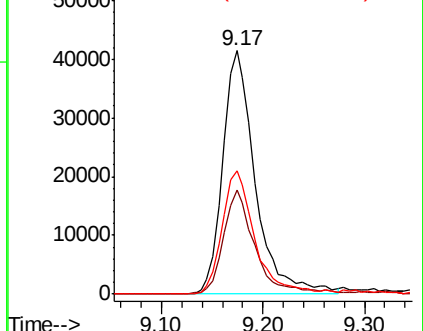
54 50.5 40.2 60.2

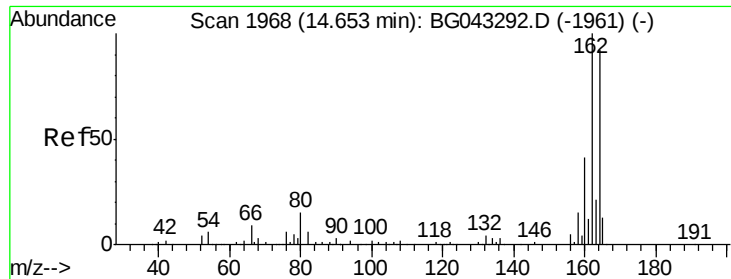


Abundance Ion 82.00 (81.70 to 82.70): BG

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BG

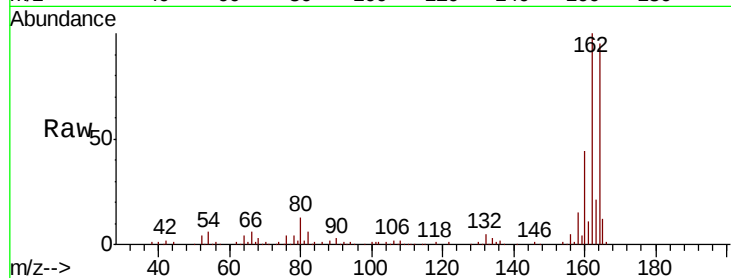




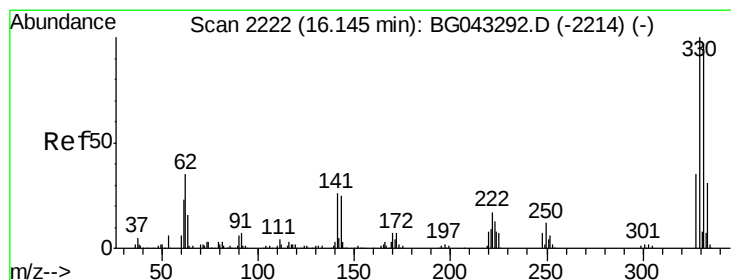
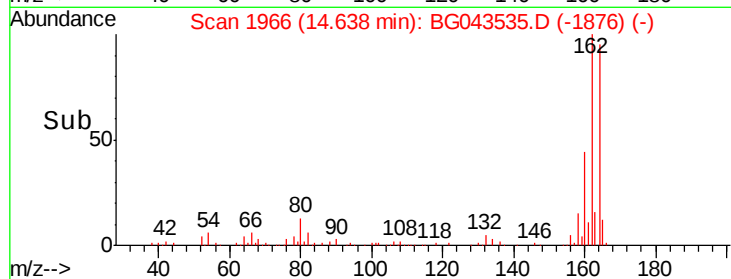
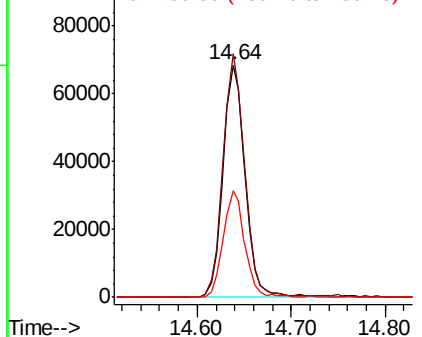
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.64 min Scan# 1966
 Delta R.T. -0.00 min
 Lab File: BG043535.D
 Acq: 7 Nov 2019 00:40

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:164 Resp: 112074
 Ion Ratio Lower Upper
 164 100
 162 104.7 83.5 125.3
 160 46.1 36.5 54.7

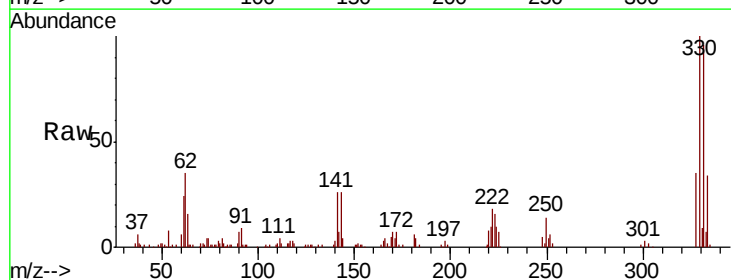


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

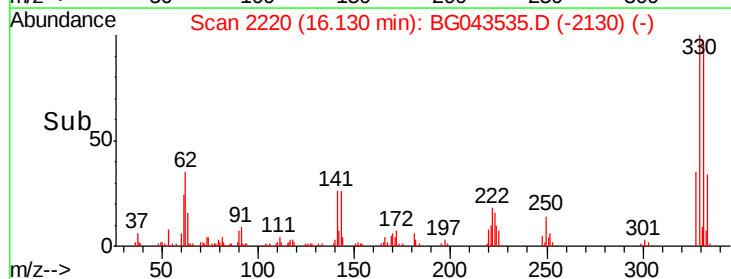
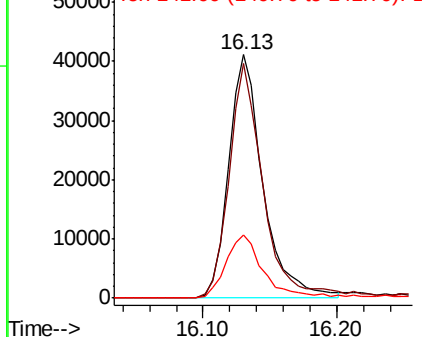


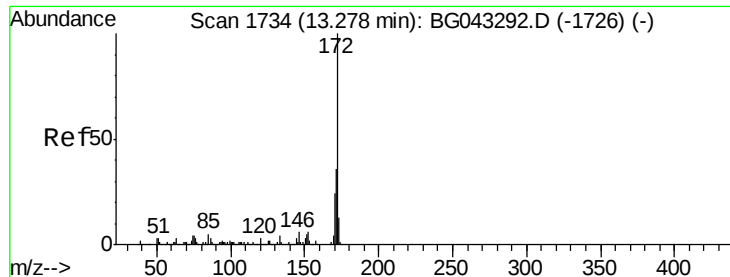
#42
 2,4,6-Tribromophenol
 Concen: 34.578 ng
 RT: 16.13 min Scan# 2220
 Delta R.T. -0.00 min
 Lab File: BG043535.D
 Acq: 7 Nov 2019 00:40

Tgt Ion:330 Resp: 73748
 Ion Ratio Lower Upper
 330 100
 332 94.7 77.4 116.0
 141 28.7 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: 30.462 ng

RT: 13.26 min Scan# 1732

Delta R.T. -0.00 min

Lab File: BG043535.D

Acq: 7 Nov 2019 00:40

Instrument :

BNA_G

ClientSampleId :

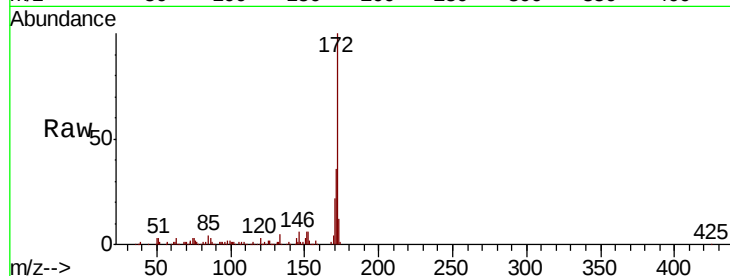
Tot Ion:172 Resp: 247070

Ion Ratio Lower Upper

172 100

171 35.7 28.9 43.3

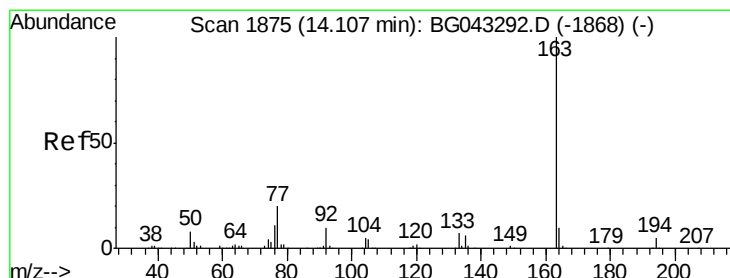
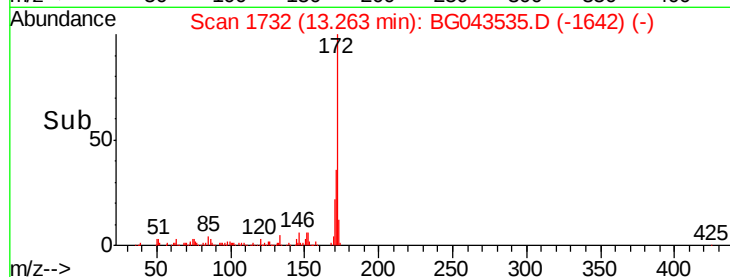
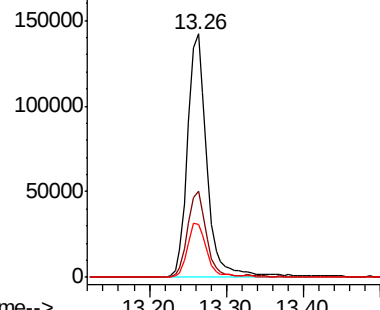
170 21.9 18.5 27.7



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: 3.710 ng

RT: 14.09 min Scan# 1872

Delta R.T. -0.01 min

Lab File: BG043535.D

Acq: 7 Nov 2019 00:40

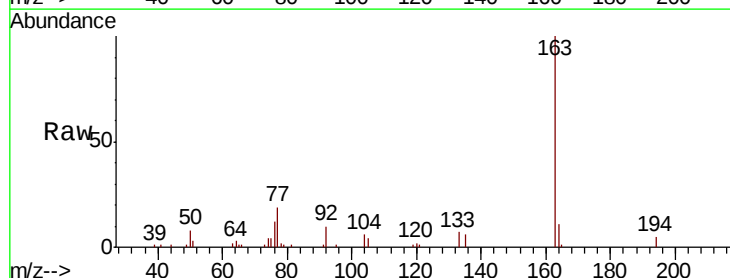
Tgt Ion:163 Resp: 32203

Ion Ratio Lower Upper

163 100

194 5.1 3.8 5.6

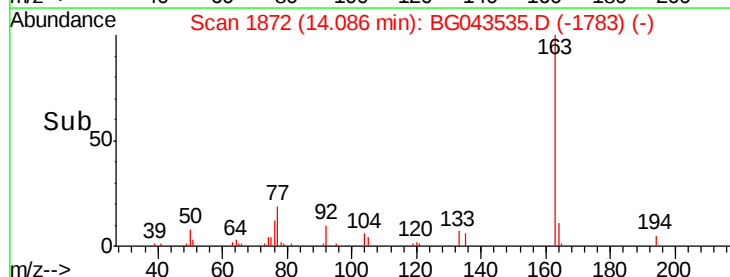
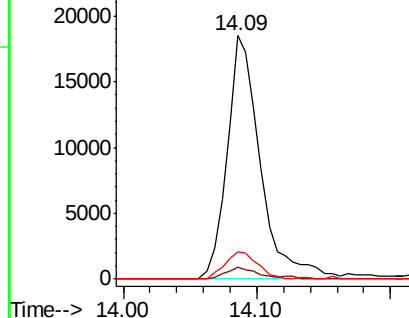
164 11.3 8.9 13.3

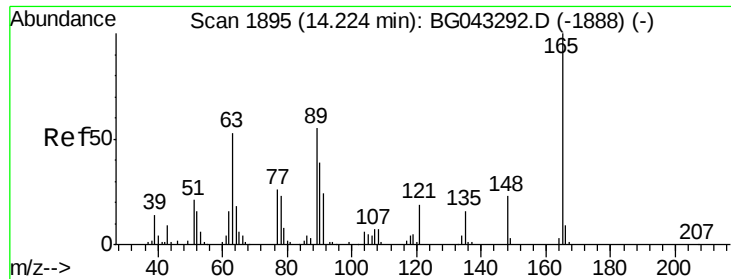


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#51

2,6-Dinitrotoluene

Concen: 8.147 ng

RT: 14.64 min Scan# 1966

Delta R.T. 0.43 min

Lab File: BG043535.D

Acq: 7 Nov 2019 00:40

Instrument :

BNA_G

ClientSampleId :

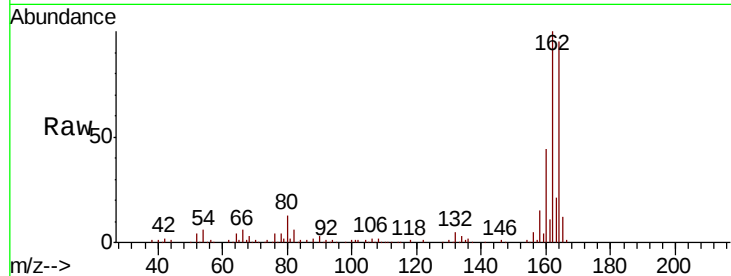
Tot Ion:165 Resp: 15365

Ion Ratio Lower Upper

165 100

63 1.9 46.6 69.8#

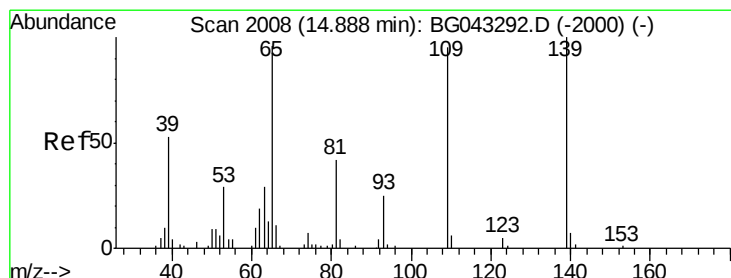
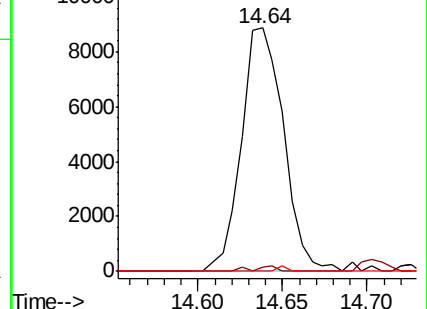
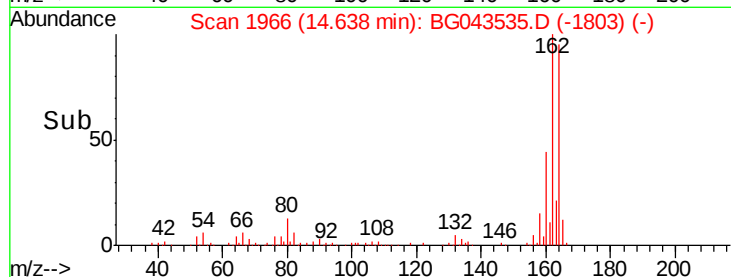
89 0.0 45.1 67.7#



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BG0

Ion 89.00 (88.70 to 89.70): BG0



#56

4-Nitrophenol

Concen: 2.052 ng

RT: 15.04 min Scan# 2035

Delta R.T. 0.16 min

Lab File: BG043535.D

Acq: 7 Nov 2019 00:40

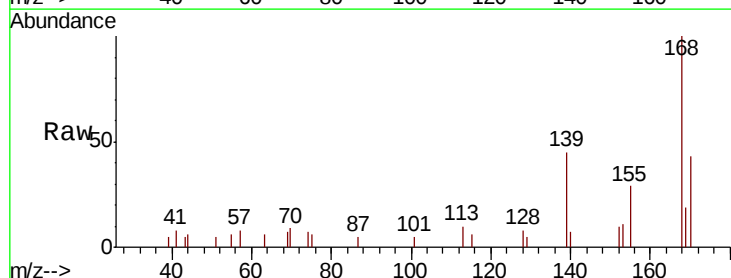
Tgt Ion:139 Resp: 2504

Ion Ratio Lower Upper

139 100

109 0.0 87.2 127.2#

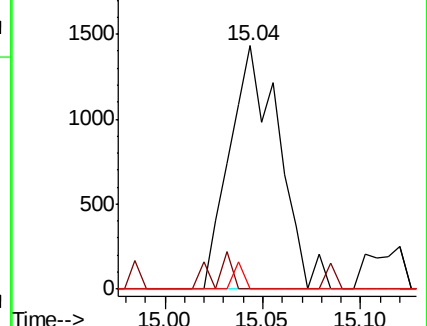
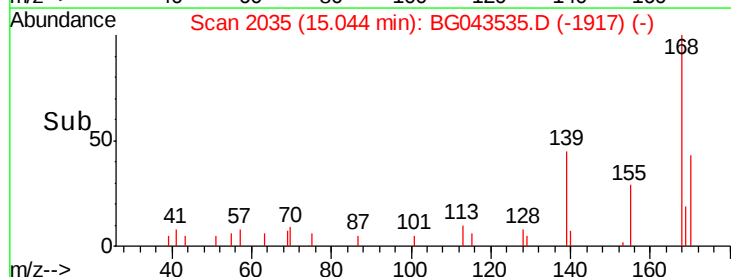
65 0.0 83.8 123.8#

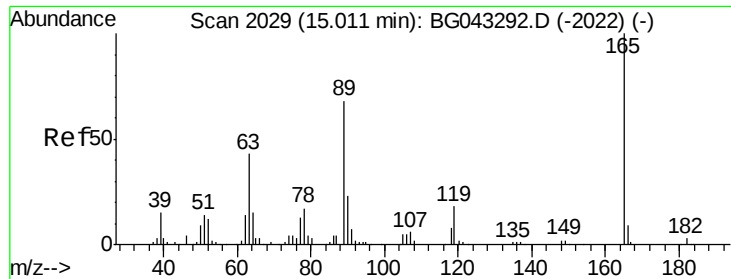


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BG0

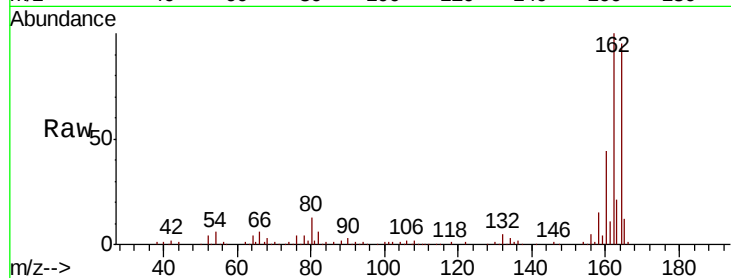




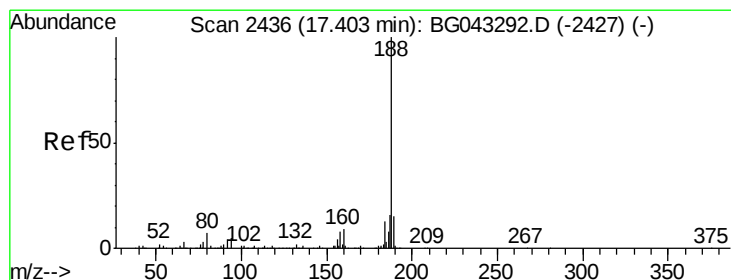
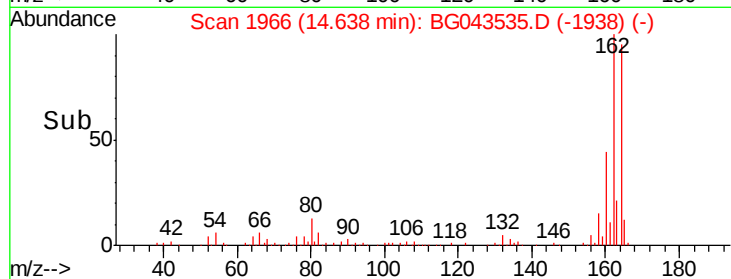
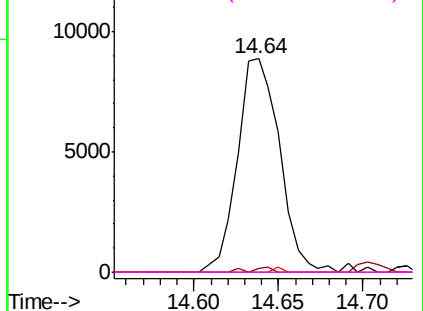
#57
 2,4-Dinitrotoluene
 Concen: 5.701 ng
 RT: 14.64 min Scan# 1966
 Delta R.T. -0.37 min
 Lab File: BG043535.D
 Acq: 7 Nov 2019 00:40

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:	165	Resp:	15365
Ion	Ratio	Lower	Upper
165	100		
63	1.9	33.2	49.8#
89	0.0	52.2	78.4#
182	0.0	2.0	3.0#

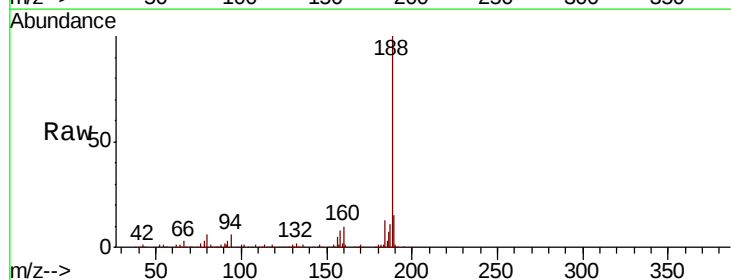


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC
 Ion 182.00 (181.70 to 182.70): E

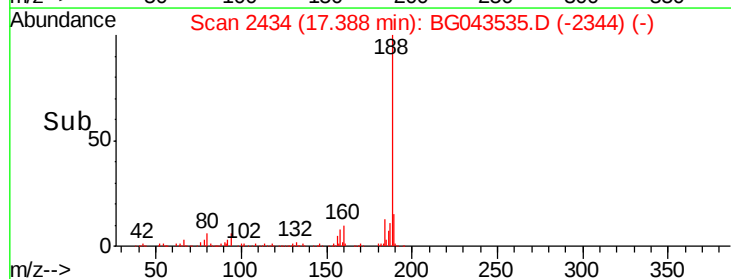
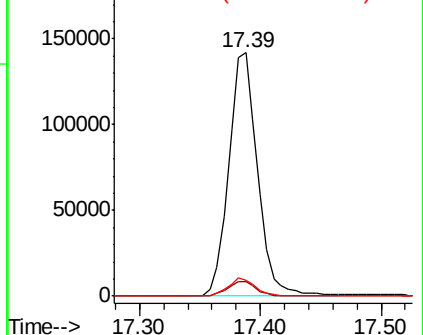


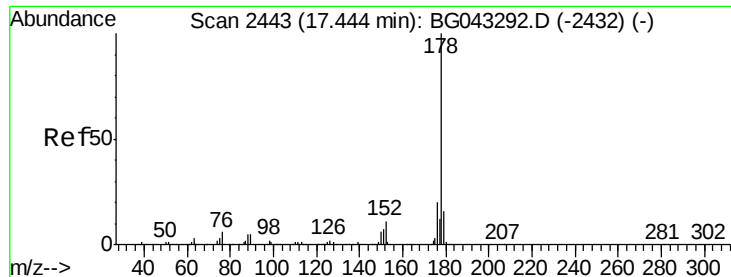
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.39 min Scan# 2434
 Delta R.T. -0.00 min
 Lab File: BG043535.D
 Acq: 7 Nov 2019 00:40

Tgt Ion:	188	Resp:	235634
Ion	Ratio	Lower	Upper
188	100		
94	6.1	4.2	6.4
80	6.4	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

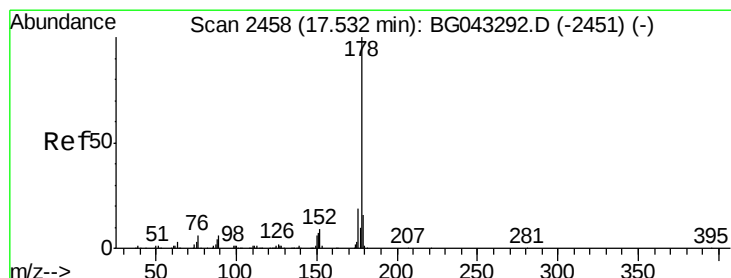
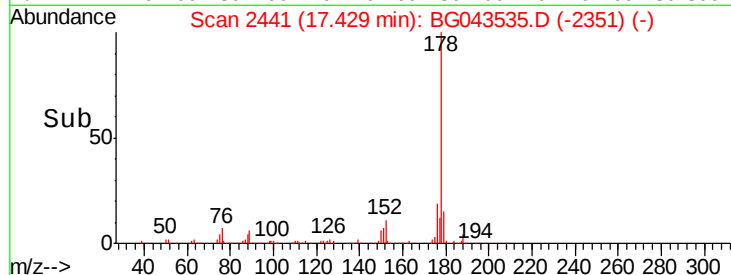
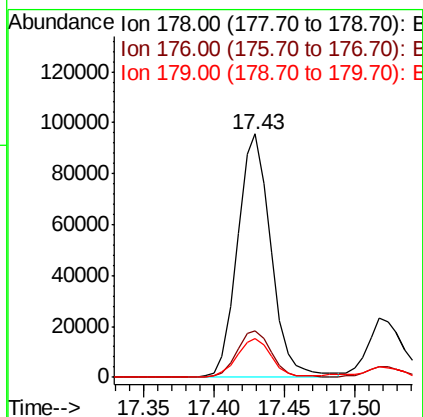
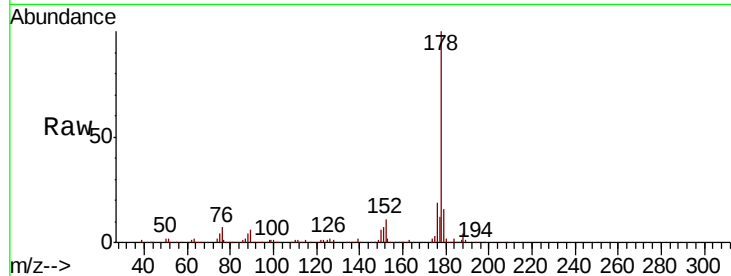




#71
Phenanthrene
Concen: 13.145 ng
RT: 17.43 min Scan# 2441
Delta R.T. -0.00 min
Lab File: BG043535.D
Acq: 7 Nov 2019 00:40

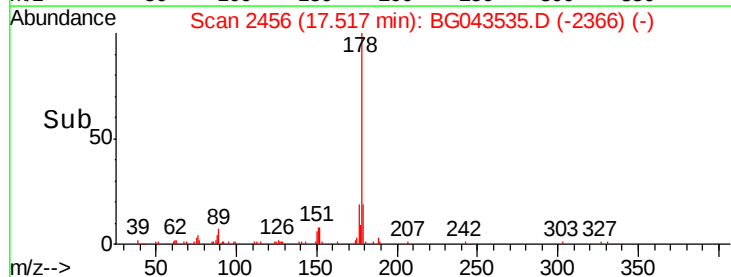
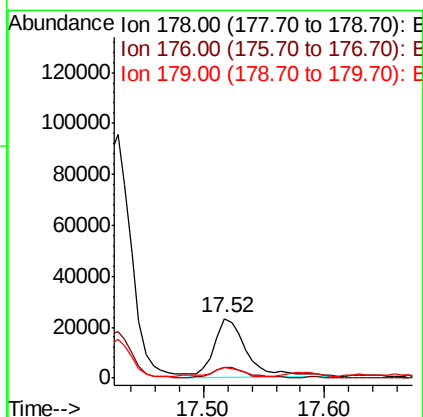
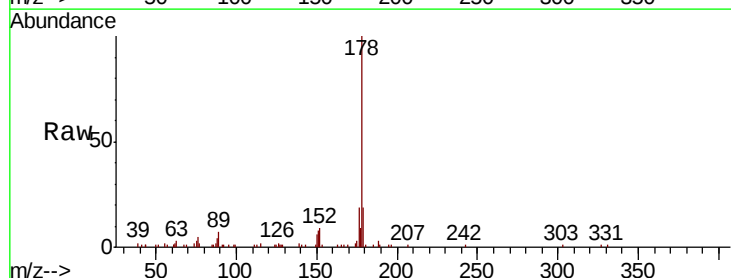
Instrument :
BNA_G
ClientSampleId :

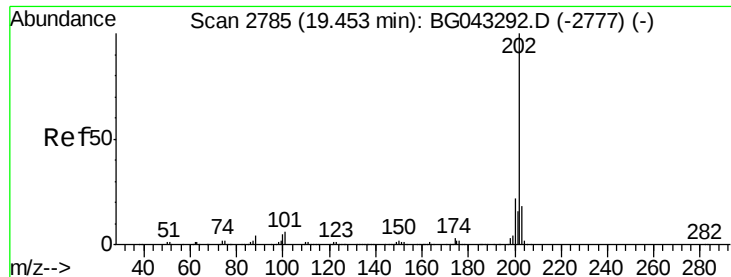
Tot Ion:178 Resp: 158610
Ion Ratio Lower Upper
178 100
176 19.1 15.4 23.0
179 15.8 13.0 19.6



#72
Anthracene
Concen: 3.567 ng
RT: 17.52 min Scan# 2456
Delta R.T. -0.00 min
Lab File: BG043535.D
Acq: 7 Nov 2019 00:40

Tgt Ion:178 Resp: 43068
Ion Ratio Lower Upper
178 100
176 18.8 15.5 23.3
179 18.6 13.7 20.5





#75

Fluoranthene

Concen: 22.808 ng

RT: 19.44 min Scan# 2783

Delta R.T. -0.00 min

Lab File: BG043535.D

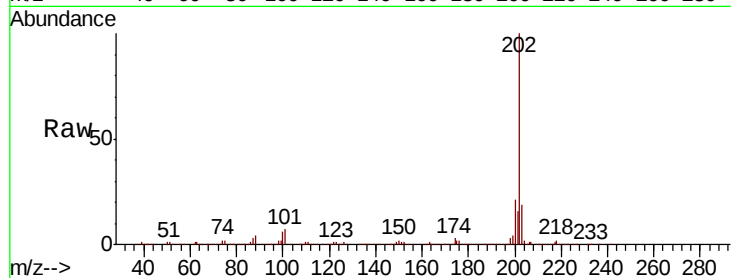
Acq: 7 Nov 2019 00:40

Instrument :

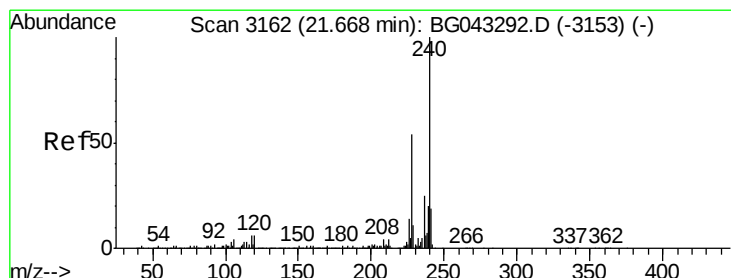
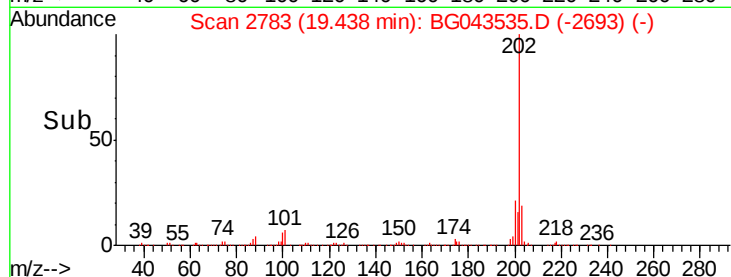
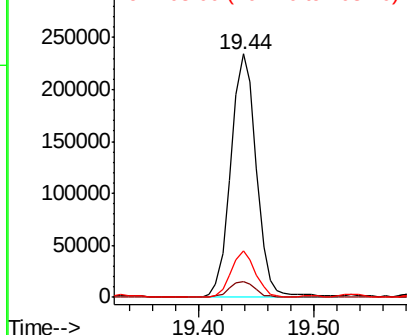
BNA_G

ClientSampleId :

Tot Ion:	202	Resp:	358792
Ion	Ratio	Lower	Upper
202	100		
101	6.5	0.0	26.3
203	19.2	0.0	37.9



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

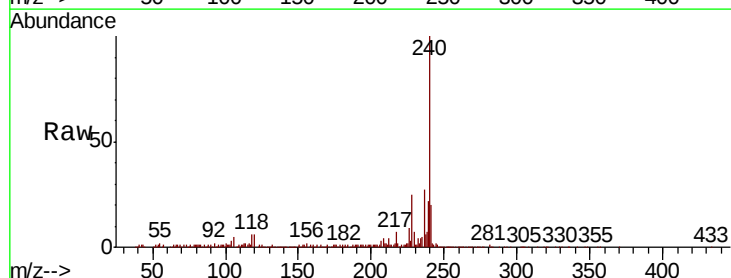
RT: 21.65 min Scan# 3160

Delta R.T. -0.00 min

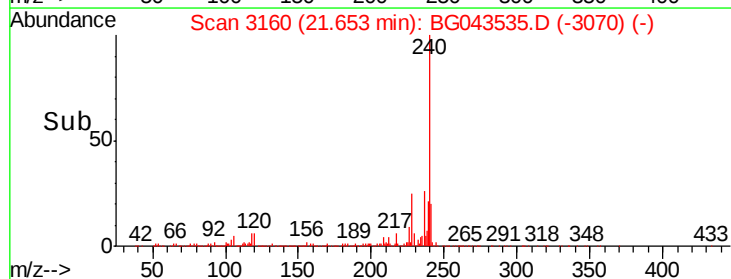
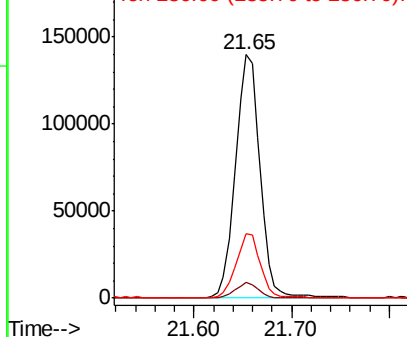
Lab File: BG043535.D

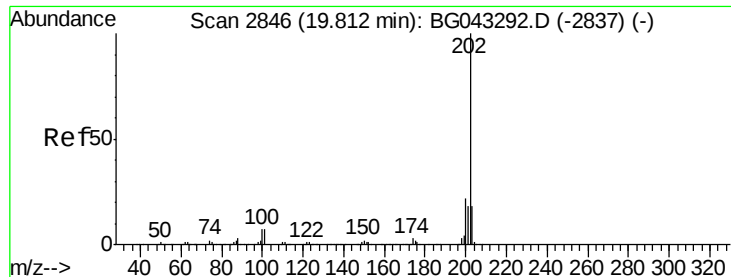
Acq: 7 Nov 2019 00:40

Tgt Ion:	240	Resp:	242759
Ion	Ratio	Lower	Upper
240	100		
120	6.3	4.6	6.8
236	26.6	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

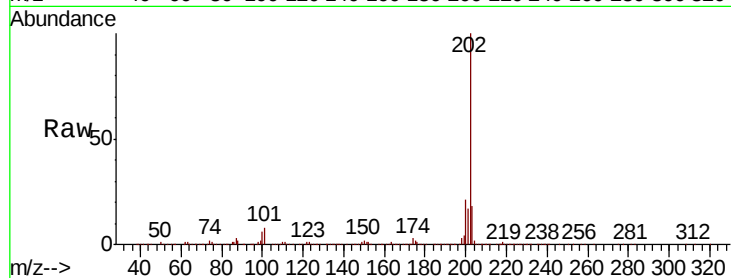




#78
Pvrene
Concen: 23.920 ng
RT: 19.80 min Scan# 2844
Delta R.T. -0.00 min
Lab File: BG043535.D
Acq: 7 Nov 2019 00:40

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.0	17.0	25.4
203	17.9	14.7	22.1

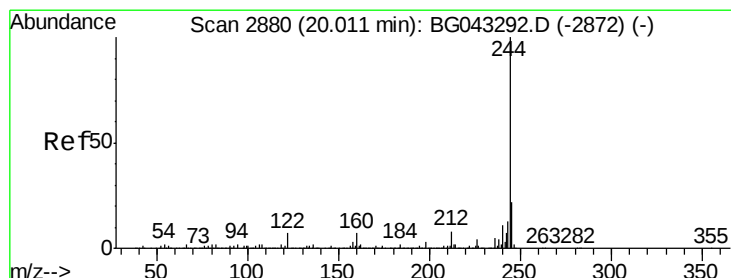
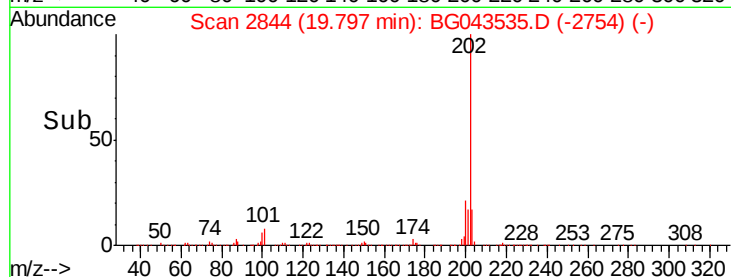
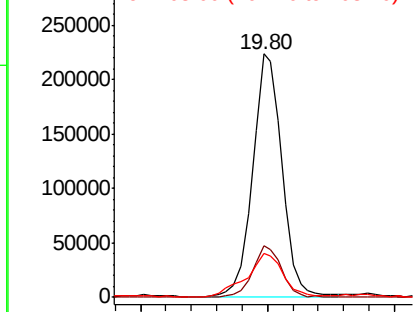


Abundance

Ion 202.00 (201.70 to 202.70): E

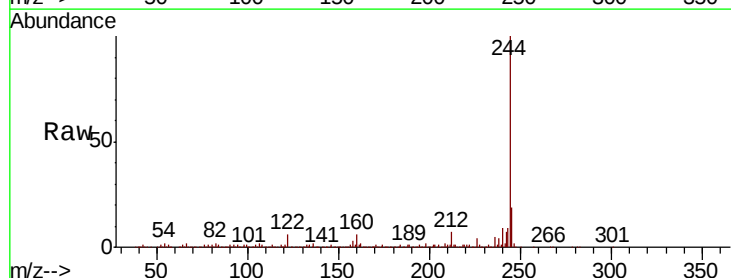
Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#79
Terphenyl-d14
Concen: 30.896 ng
RT: 20.00 min Scan# 2878
Delta R.T. -0.00 min
Lab File: BG043535.D
Acq: 7 Nov 2019 00:40

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.5	5.8	8.6
122	5.8	5.4	8.2

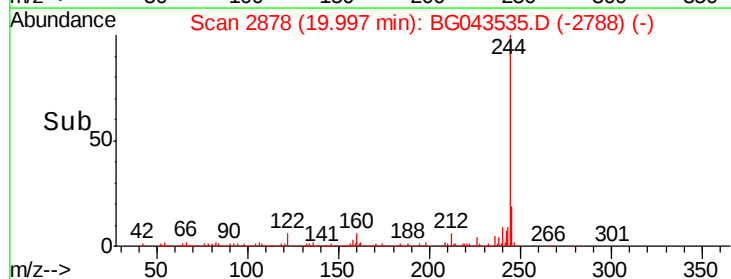
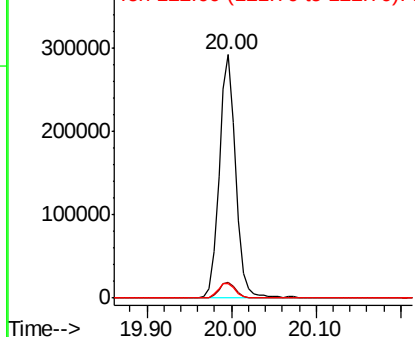


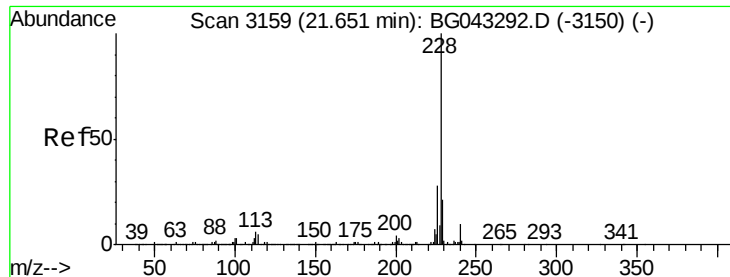
Abundance

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





#81

Benzo(a)anthracene

Concen: 13.780 ng

RT: 21.64 min Scan# 3157

Delta R.T. -0.00 min

Lab File: BG043535.D

Acq: 7 Nov 2019 00:40

Instrument :

BNA_G

ClientSampleId :

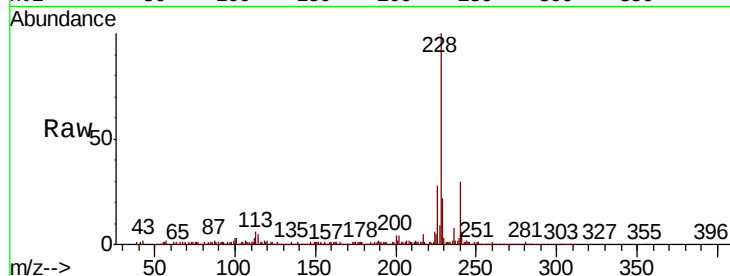
Tot Ion:228 Resp: 209548

Ion Ratio Lower Upper

228 100

226 28.4 22.2 33.2

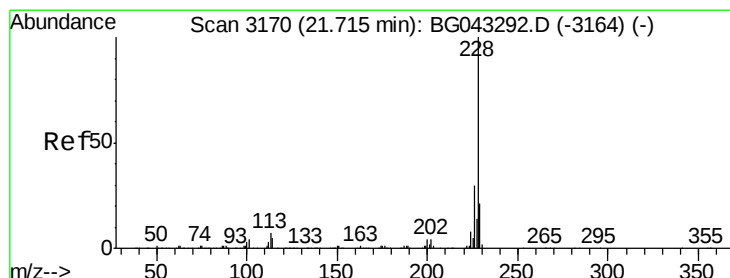
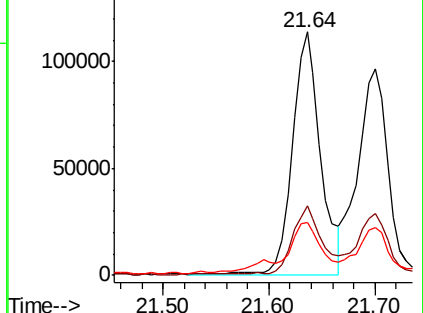
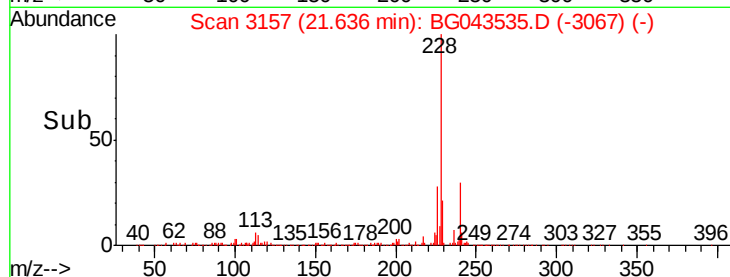
229 21.9 17.0 25.4



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#83

Chrysene

Concen: 12.477 ng

RT: 21.70 min Scan# 3168

Delta R.T. -0.00 min

Lab File: BG043535.D

Acq: 7 Nov 2019 00:40

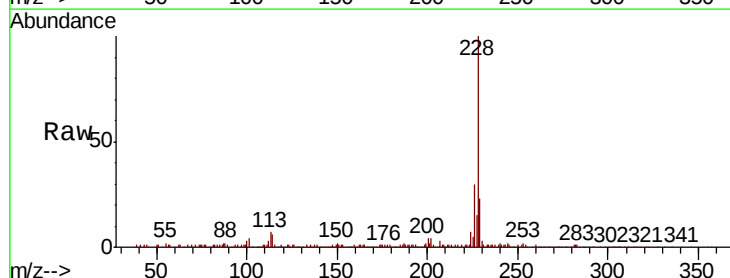
Tgt Ion:228 Resp: 188515

Ion Ratio Lower Upper

228 100

226 30.0 25.1 37.7

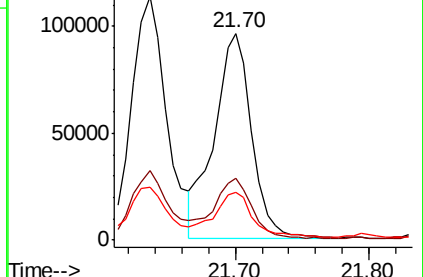
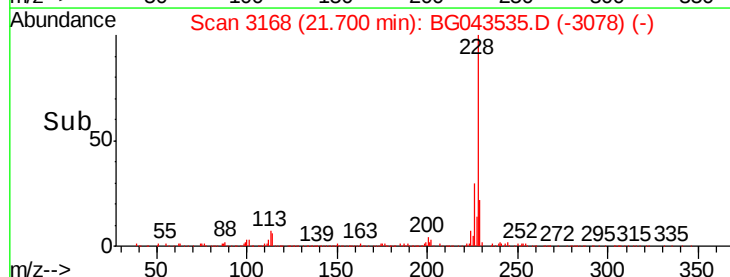
229 23.2 17.0 25.4

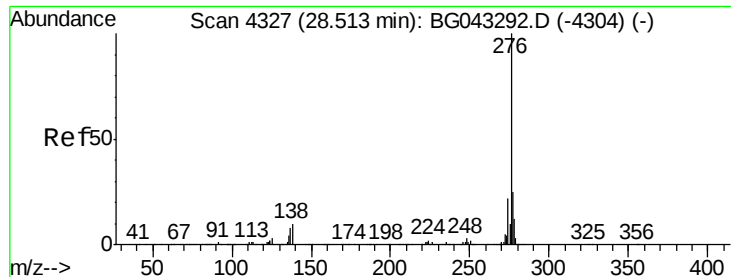


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#86

Indeno(1,2,3-cd)pyrene

Concen: 6.726 ng

RT: 28.50 min Scan# 4325

Delta R.T. 0.00 min

Lab File: BG043535.D

Acq: 7 Nov 2019 00:40

Instrument :

BNA_G

ClientSampleId :

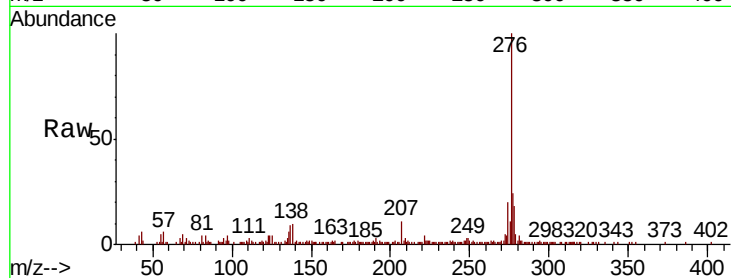
Tot Ion:276 Resp: 127567

Ion Ratio Lower Upper

276 100

138 11.6 6.8 10.2#

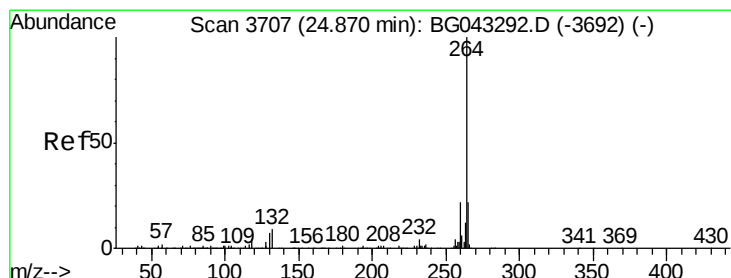
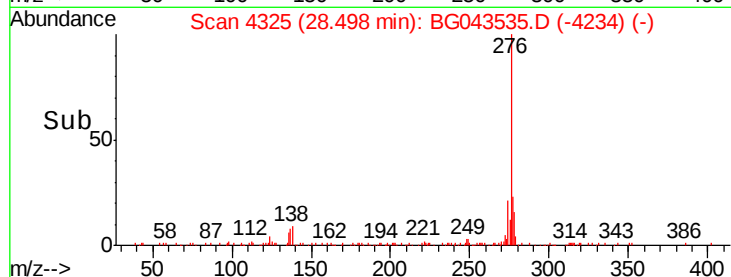
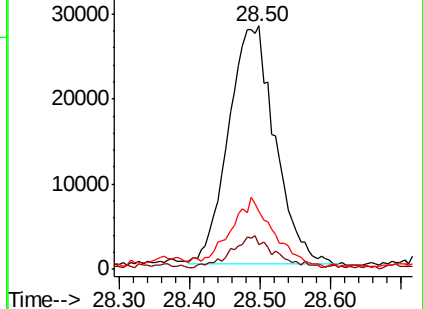
277 27.1 20.9 31.3



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#87

Perylene-d12

Concen: 20.000 ng

RT: 24.86 min Scan# 3705

Delta R.T. 0.00 min

Lab File: BG043535.D

Acq: 7 Nov 2019 00:40

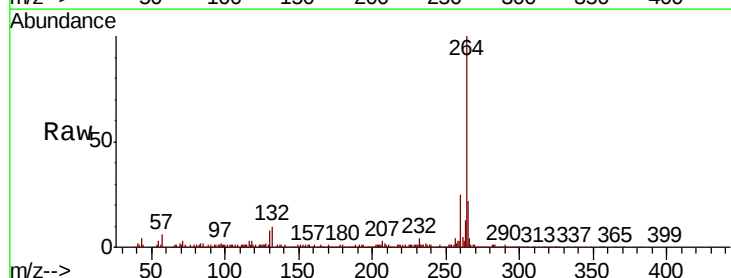
Tgt Ion:264 Resp: 294534

Ion Ratio Lower Upper

264 100

260 24.6 17.5 26.3

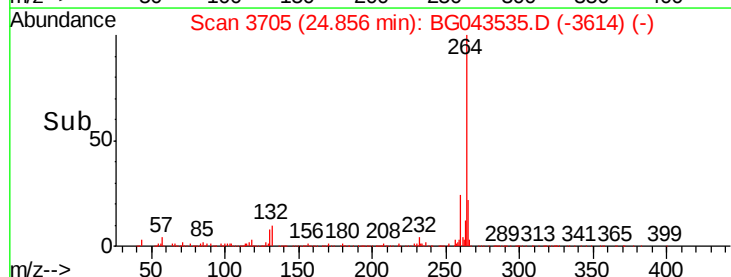
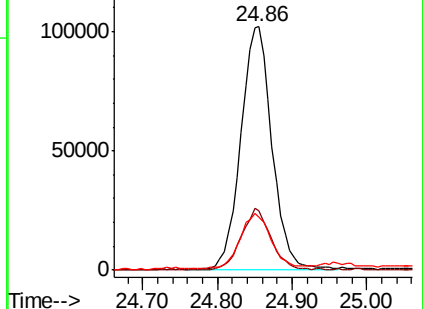
265 22.0 17.4 26.0

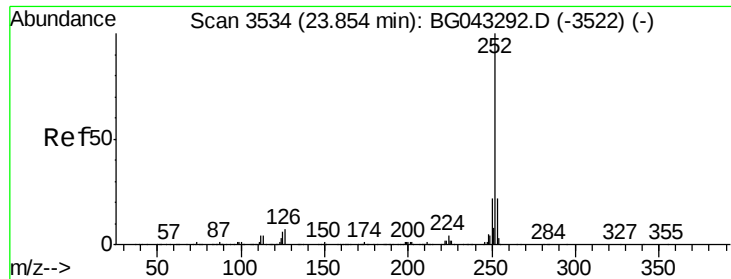


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

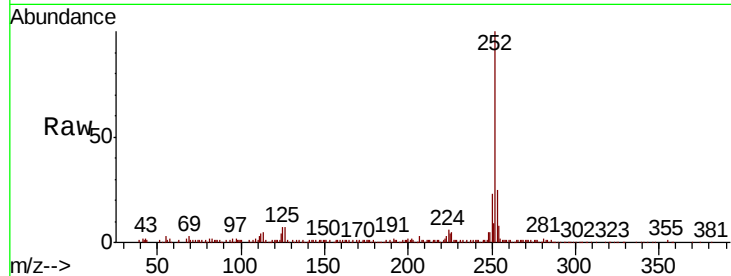




#88
Benzo(b)fluoranthene
Concen: 15.336 ng
RT: 23.84 min Scan# 3532
Delta R.T. -0.00 min
Lab File: BG043535.D
Acq: 7 Nov 2019 00:40

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.5	17.7	26.5
125	7.0	4.5	6.7#

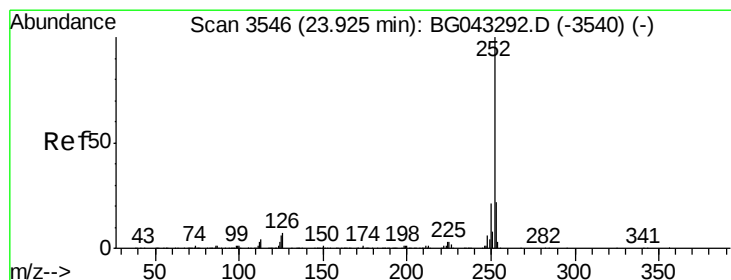
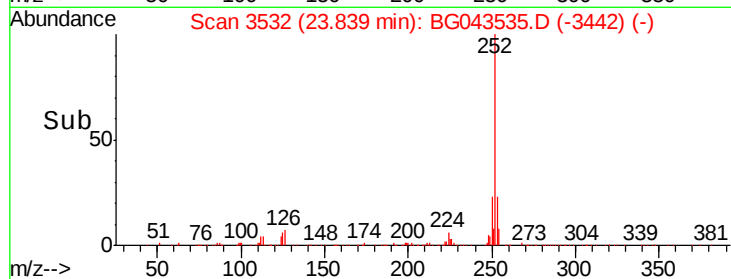
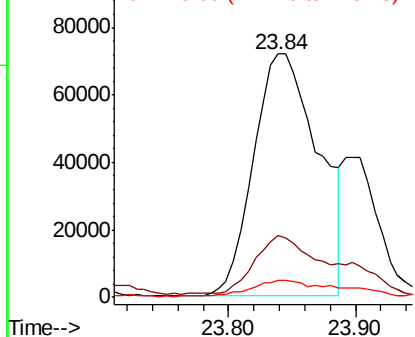


Abundance

Ion 252.00 (251.70 to 252.70): E

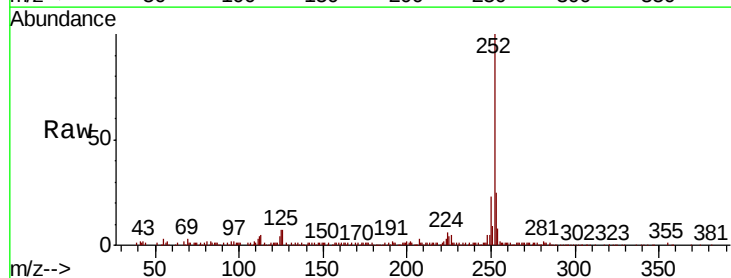
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#89
Benzo(k)fluoranthene
Concen: 15.234 ng
RT: 23.84 min Scan# 3532
Delta R.T. -0.07 min
Lab File: BG043535.D
Acq: 7 Nov 2019 00:40

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.5	17.3	25.9
125	7.0	4.6	6.8#

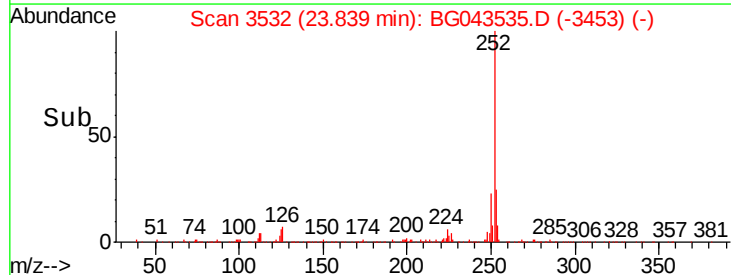
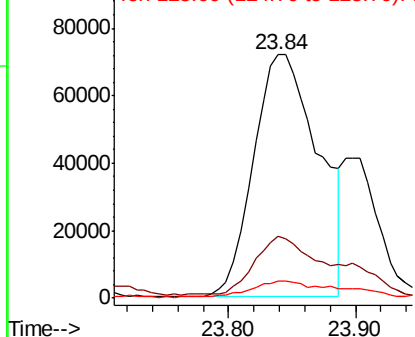


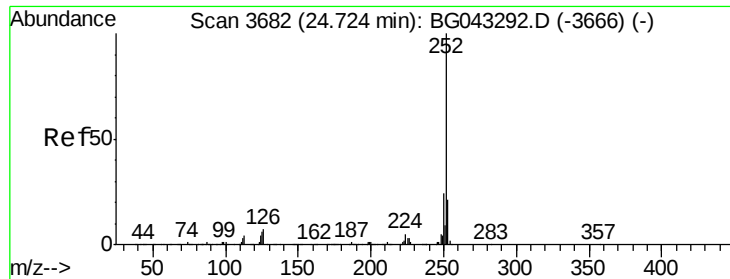
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Benzo(a)pyrene

Concen: 12.520 ng

RT: 24.70 min Scan# 3678

Delta R.T. -0.00 min

Lab File: BG043535.D

Acq: 7 Nov 2019 00:40

Instrument :

BNA_G

ClientSampleId :

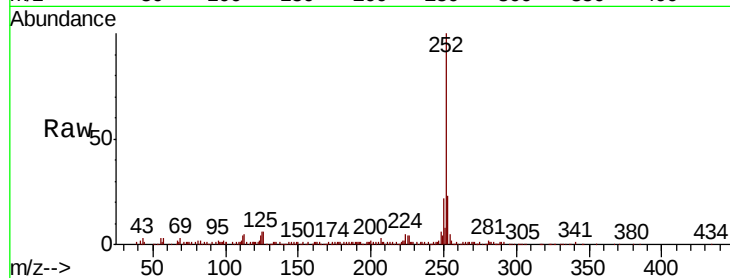
Tot Ion:252 Resp: 199434

Ion Ratio Lower Upper

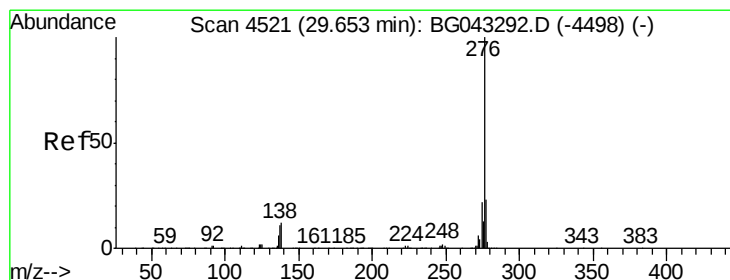
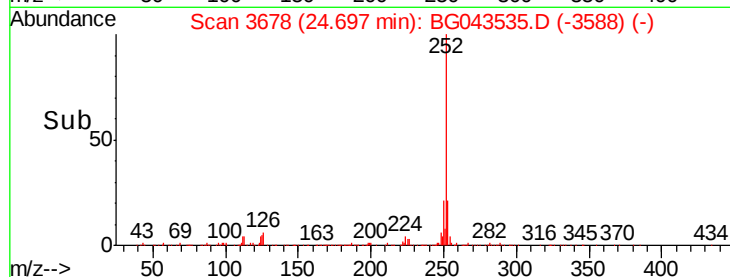
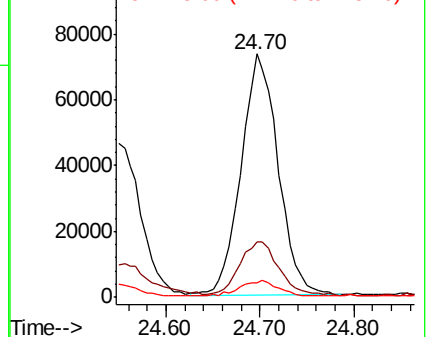
252 100

253 22.5 17.8 26.8

125 6.1 5.4 8.2



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#92

Benzo(g,h,i)perylene

Concen: 8.384 ng

RT: 29.63 min Scan# 4517

Delta R.T. -0.00 min

Lab File: BG043535.D

Acq: 7 Nov 2019 00:40

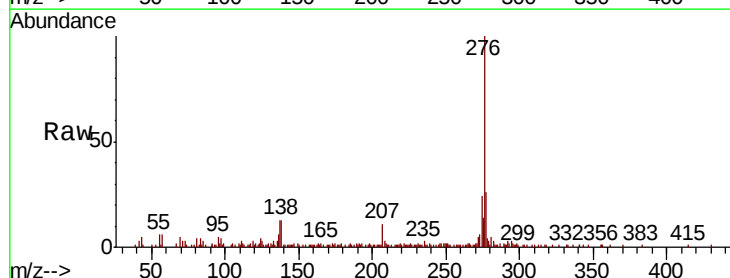
Tgt Ion:276 Resp: 134748

Ion Ratio Lower Upper

276 100

277 25.8 18.9 28.3

138 12.8 8.9 13.3



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 277.00 (276.70 to 277.70): E
Ion 138.00 (137.70 to 138.70): E

