

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG110619\
 Data File : BG043536.D
 Acq On : 7 Nov 2019 1:18
 Operator : JU
 Sample : K5683-02 5X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Nov 07 02:48:01 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	40953	20.00	ng	0.00
21) Naphthalene-d8	10.82	136	157413	20.00	ng	0.00
39) Acenaphthene-d10	14.64	164	101269	20.00	ng	0.00
64) Phenanthrene-d10	17.40	188	242232	20.00	ng	0.01
76) Chrysene-d12	21.68	240	259464	20.00	ng	0.02
87) Perylene-d12	24.87	264	304908	20.00	ng	0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	21961	9.83	ng	0.01
7) Phenol-d6	7.20	99	21217	6.60	ng	0.00
23) Nitrobenzene-d5	9.18	82	38661	12.66	ng	0.00
42) 2,4,6-Tribromophenol	16.15	330	25992	13.49	ng	0.01
45) 2-Fluorobiphenyl	13.26	172	105557	14.40	ng	0.00
79) Terphenyl-d14	20.01	244	209058	15.12	ng	0.01

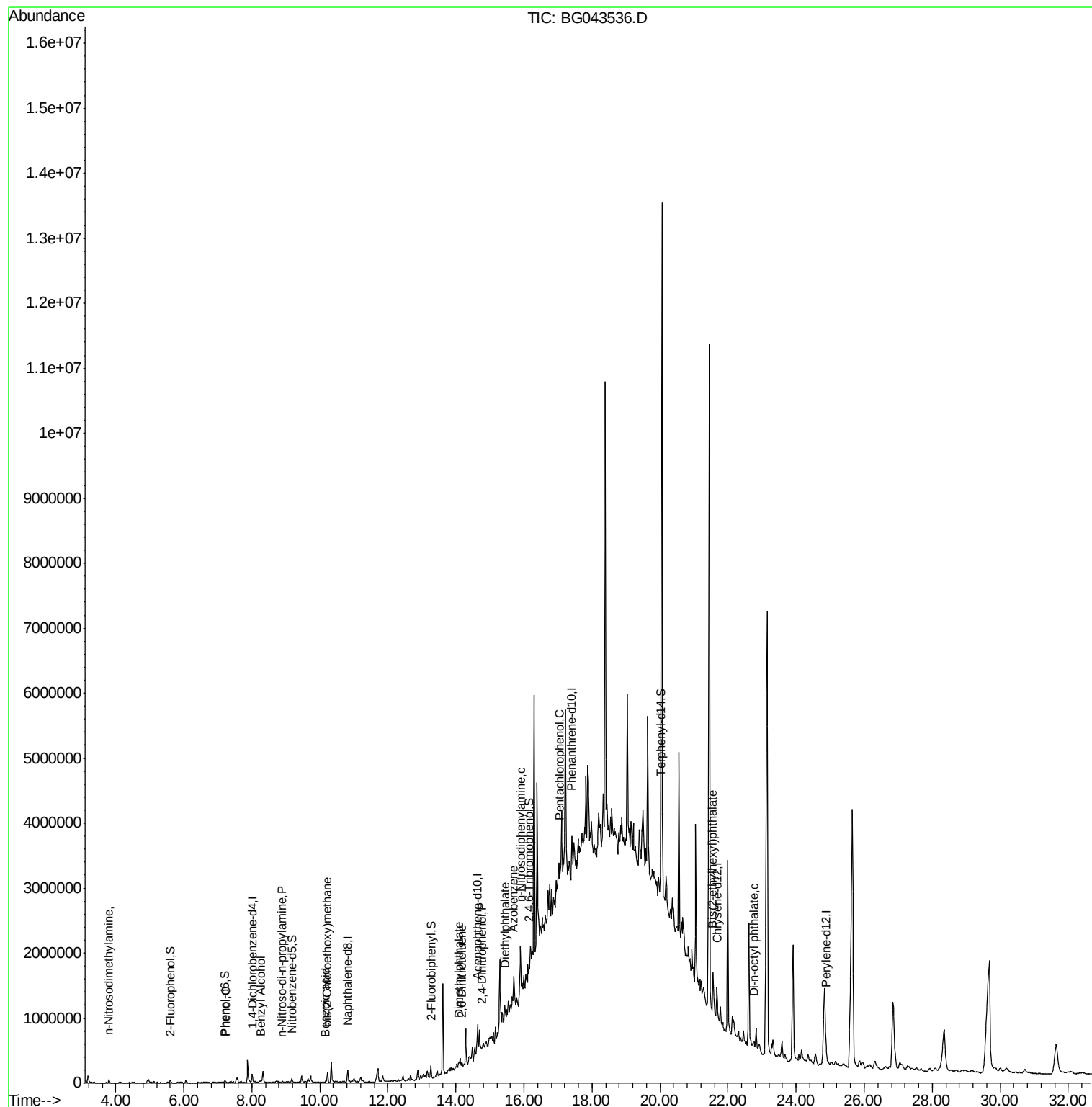
Target Compounds				Qvalue		
4) n-Nitrosodimethylamine	3.80	42	3313	2.988	ng	# 1
10) Phenol	7.23	94	10487	3.569	ng	# 95
15) Benzyl Alcohol	8.27	79	4742	2.100	ng	# 81
19) n-Nitroso-di-n-propylamine	8.90	70	6484	3.121	ng	# 43
28) bis(2-Chloroethoxy)methane	10.22	93	7646	2.482	ng	# 1
32) Benzoic acid	10.16	122	4783	11.574	ng	# 88
50) Dimethylphthalate	14.09	163	22751	2.900	ng	# 90
51) 2,6-Dinitrotoluene	14.17	165	9601	5.634	ng	# 33
54) 2,4-Dinitrophenol	14.75	184	84	7.354	ng	# 1
60) Diethylphthalate	15.45	149	17191	2.181	ng	# 52
63) Azobenzene	15.69	77	19871	3.115	ng	# 49
66) n-Nitrosodiphenylamine	15.91	169	15363	2.246	ng	# 73
70) Pentachlorophenol	17.06	266	3810	2.235	ng	# 14
84) Bis(2-ethylhexyl)phthalate	21.55	149	197039	22.797	ng	# 97
85) Di-n-octyl phthalate	22.76	149	41645	2.840	ng	# 80

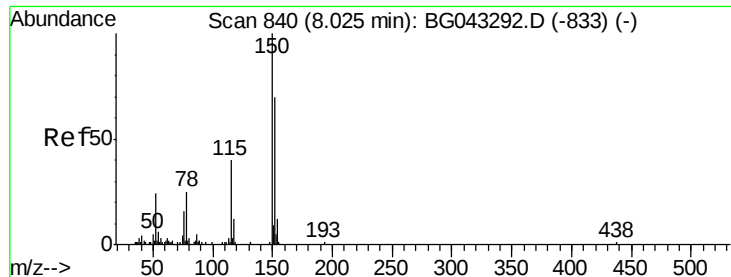
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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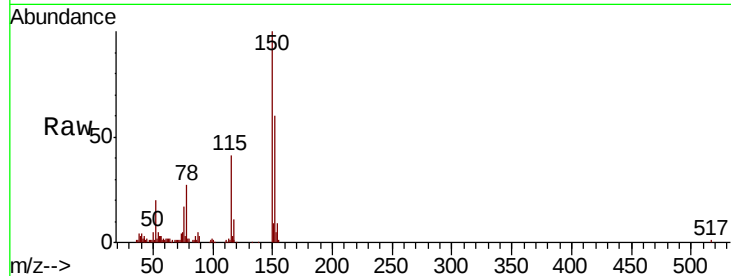


#1

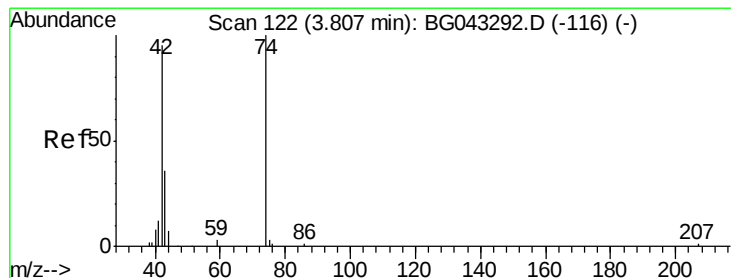
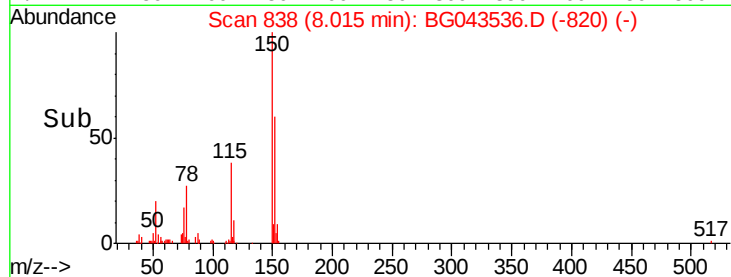
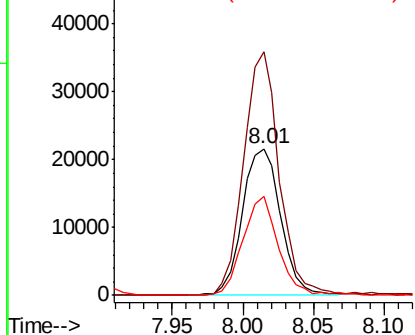
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.01 min Scan# 838
 Delta R.T. 0.01 min
 Lab File: BG043536.D
 Acq: 7 Nov 2019 1:18

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	166.4	129.4	194.0
115	67.7	48.8	73.2



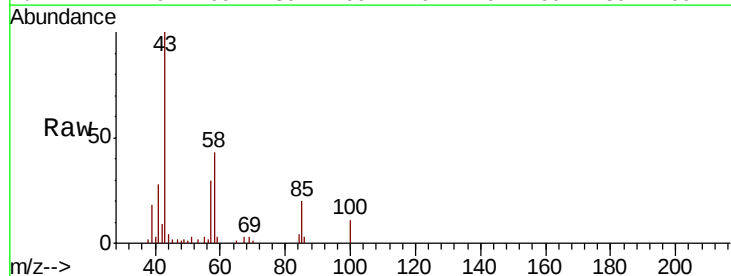
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



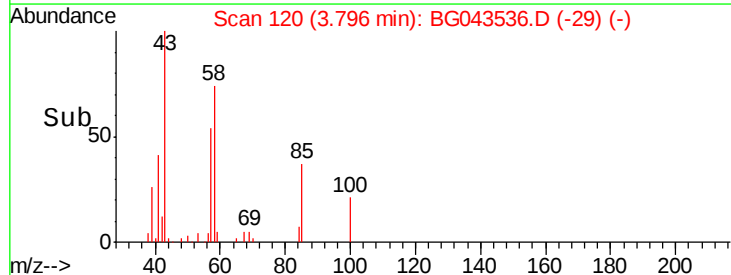
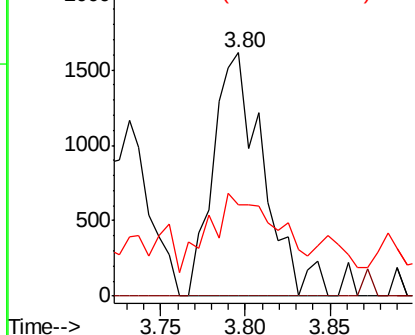
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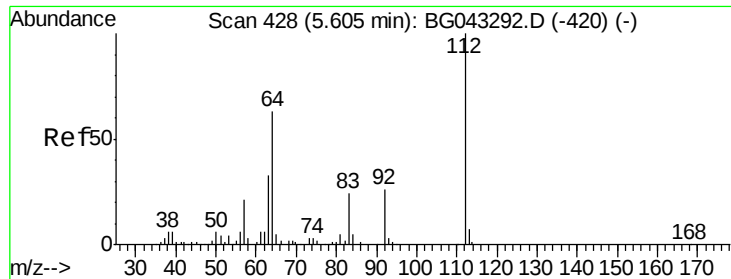
n-Nitrosodimethylamine
 Concen: 2.988 ng
 RT: 3.80 min Scan# 120
 Delta R.T. 0.01 min
 Lab File: BG043536.D
 Acq: 7 Nov 2019 1:18

Tgt Ion	Ratio	Lower	Upper
42	100		
74	0.0	97.3	145.9#
44	37.6	4.4	6.6#



Abundance Ion 42.00 (41.70 to 42.70): BGC
 Ion 74.00 (73.70 to 74.70): BGC
 Ion 44.00 (43.70 to 44.70): BGC





#5

2-Fluorophenol

Concen: 9.826 ng

RT: 5.61 min Scan# 428

Delta R.T. 0.01 min

Lab File: BG043536.D

Acq: 7 Nov 2019 1:18

Instrument :

BNA_G

ClientSampleId :

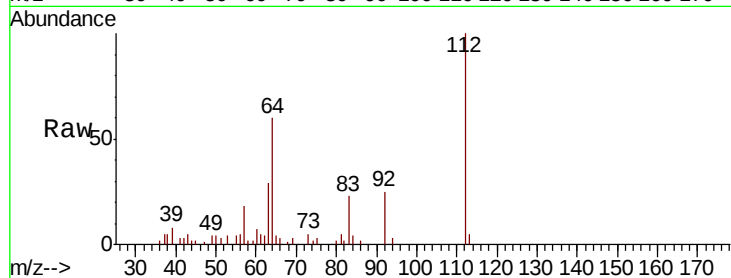
Tot Ion:112 Resp: 21961

Ion Ratio Lower Upper

112 100

64 60.1 50.0 75.0

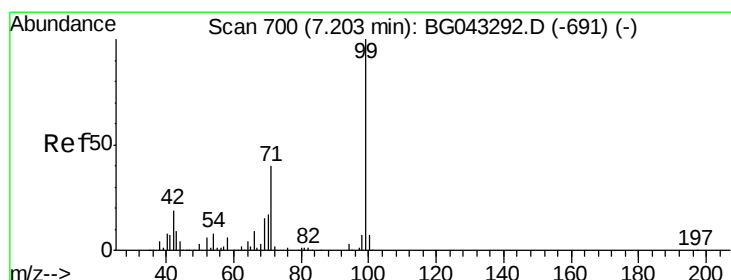
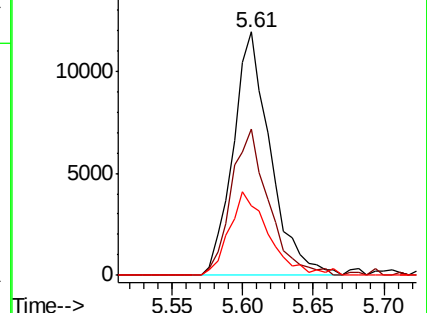
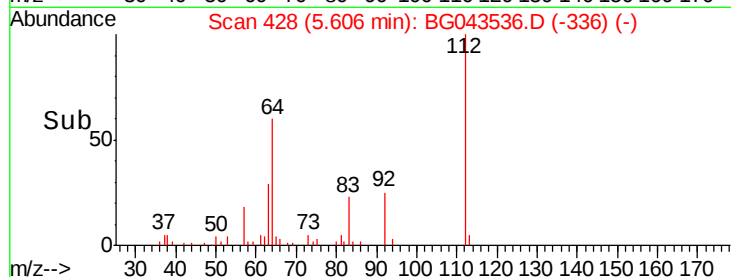
63 28.6 26.6 40.0



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: 6.598 ng

RT: 7.20 min Scan# 700

Delta R.T. 0.01 min

Lab File: BG043536.D

Acq: 7 Nov 2019 1:18

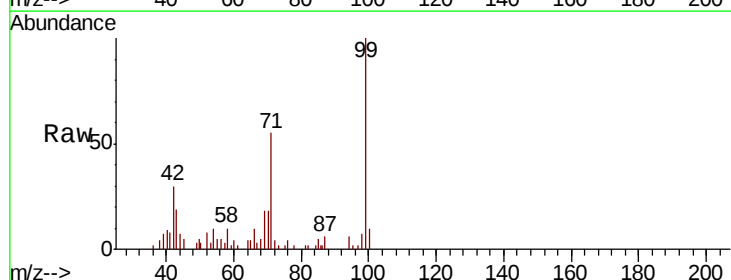
Tgt Ion: 99 Resp: 21217

Ion Ratio Lower Upper

99 100

42 29.7 14.6 21.8#

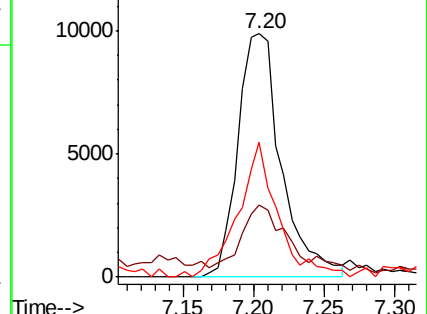
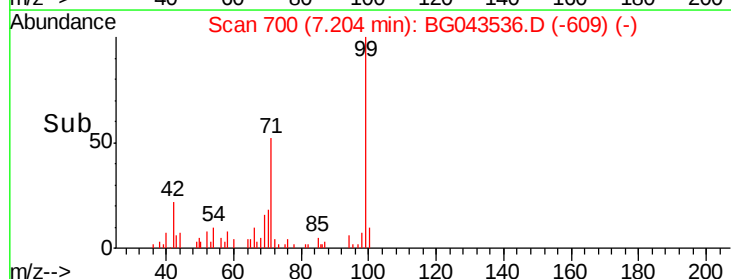
71 55.4 32.5 48.7#

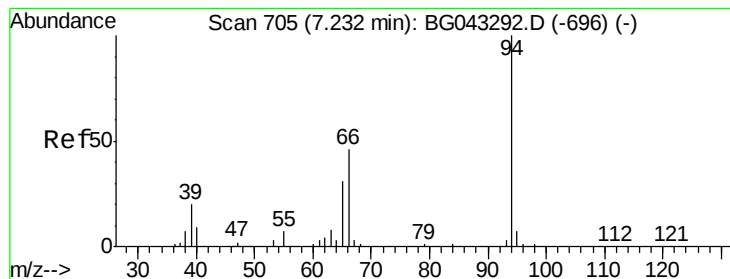


Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC





#10

Phenol

Concen: 3.569 ng

RT: 7.23 min Scan# 704

Delta R.T. 0.01 min

Lab File: BG043536.D

Acq: 7 Nov 2019 1:18

Instrument :

BNA_G

ClientSampled :

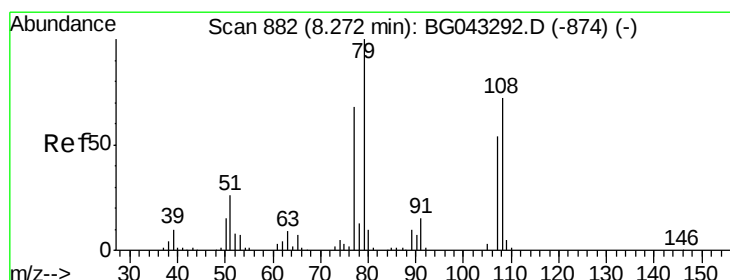
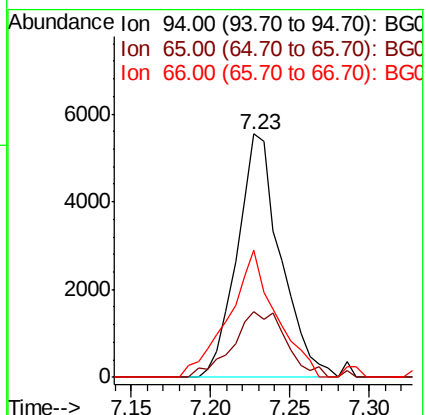
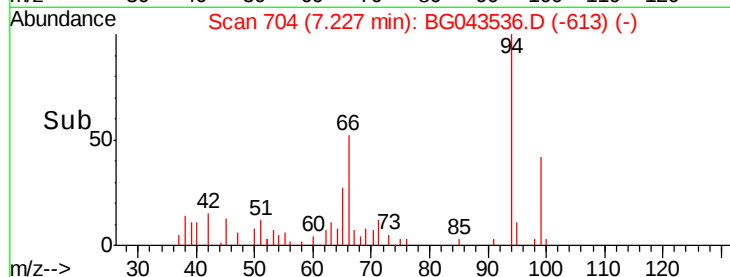
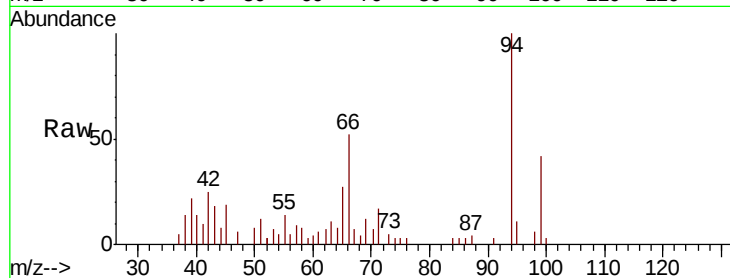
Tot Ion: 94 Resp: 10487

Ion Ratio Lower Upper

94 100

65 26.8 12.6 52.6

66 52.1 30.7 70.7



#15

Benzyl Alcohol

Concen: 2.100 ng

RT: 8.27 min Scan# 881

Delta R.T. 0.01 min

Lab File: BG043536.D

Acq: 7 Nov 2019 1:18

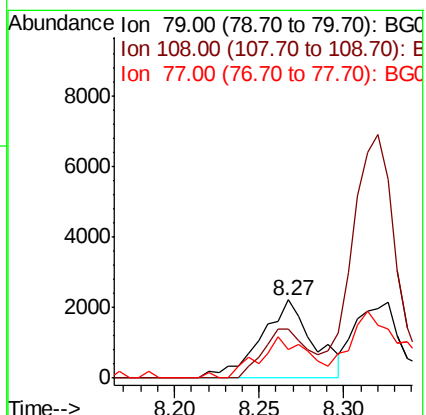
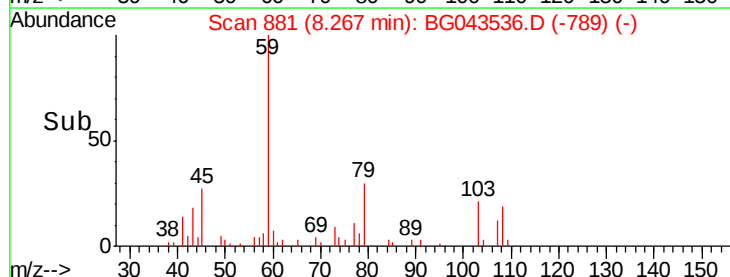
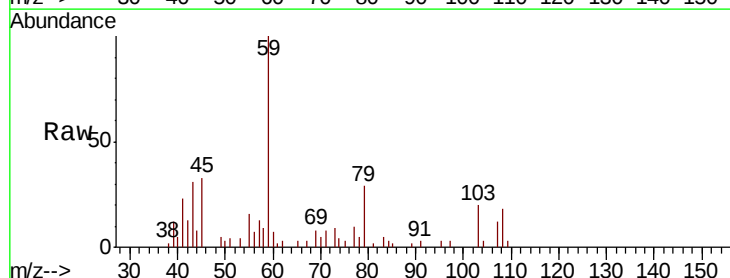
Tgt Ion: 79 Resp: 4742

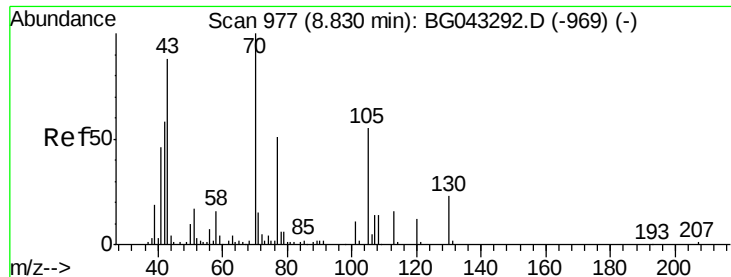
Ion Ratio Lower Upper

79 100

108 63.2 53.6 80.4

77 36.1 49.6 74.4#

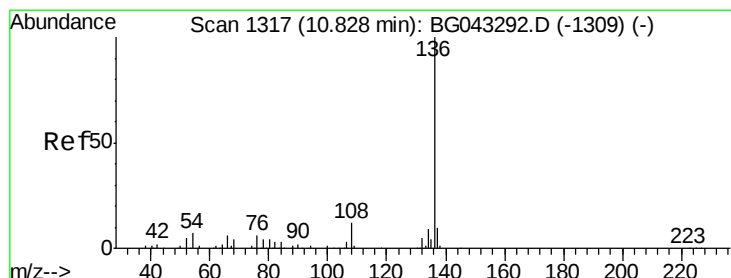
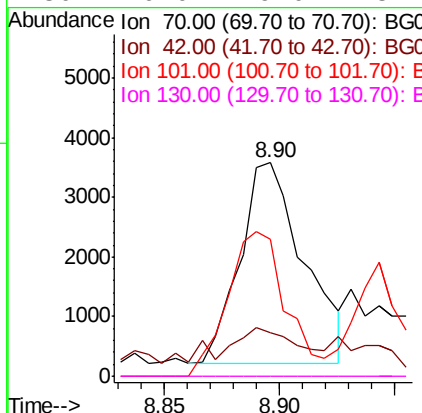
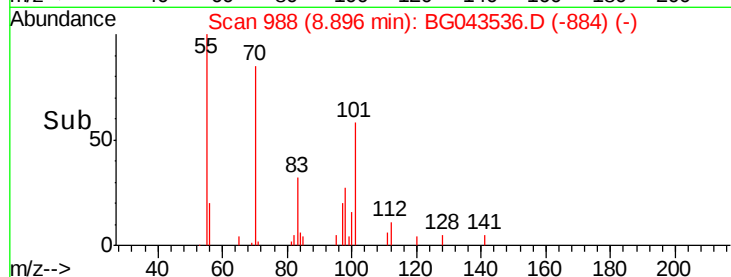
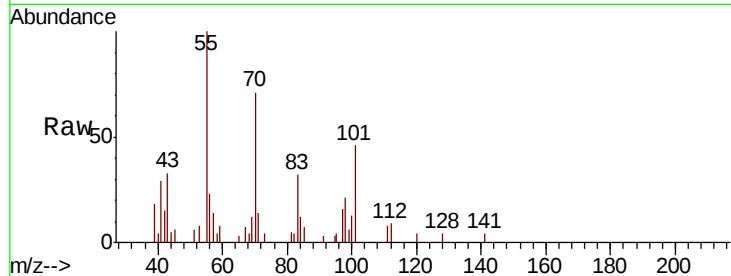




#19
n-Nitroso-di-n-propylamine
Concen: 3.121 ng
RT: 8.90 min Scan# 988
Delta R.T. 0.08 min
Lab File: BG043536.D
Acq: 7 Nov 2019 1:18

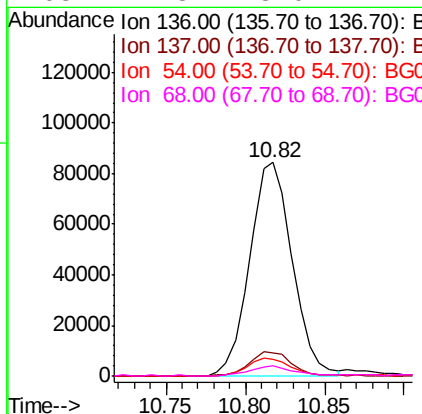
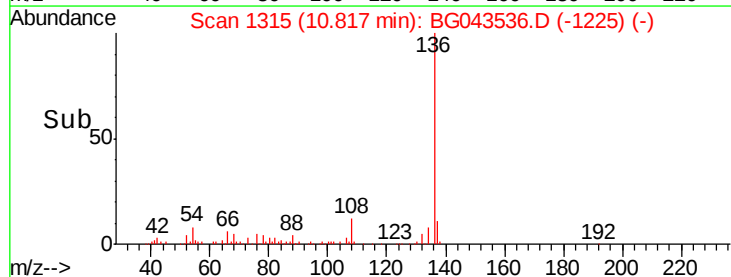
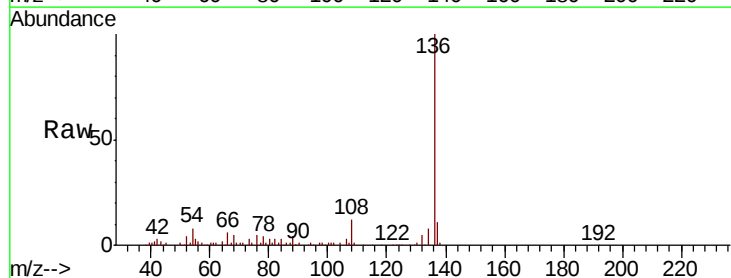
Instrument :
BNA_G
ClientSampled :

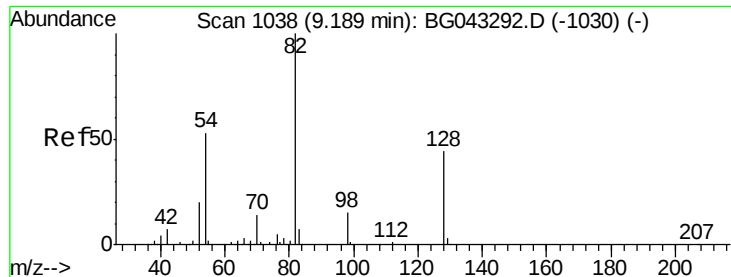
Tot Ion: 70 Resp: 6484
Ion Ratio Lower Upper
70 100
42 20.5 41.4 62.2#
101 64.1 7.9 11.9#
130 0.0 19.0 28.4#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.82 min Scan# 1315
Delta R.T. 0.00 min
Lab File: BG043536.D
Acq: 7 Nov 2019 1:18

Tgt Ion: 136 Resp: 157413
Ion Ratio Lower Upper
136 100
137 10.7 8.7 13.1
54 7.7 5.4 8.2
68 4.8 3.0 4.4#

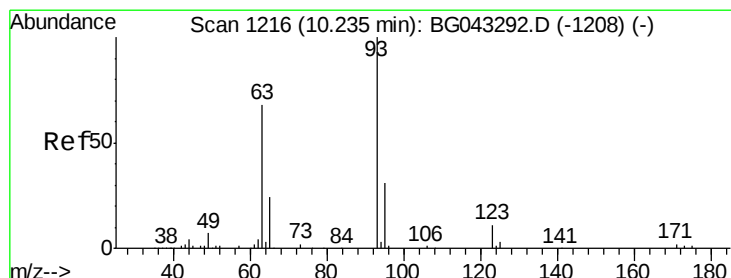
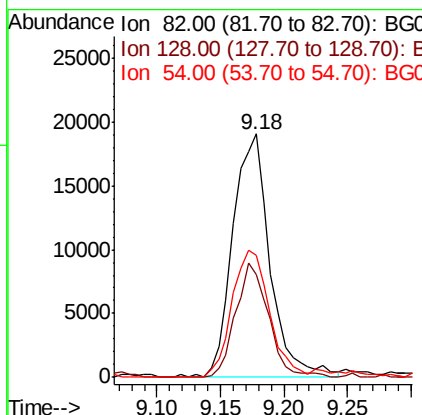
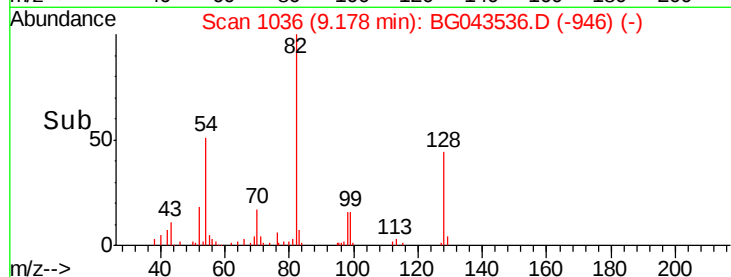
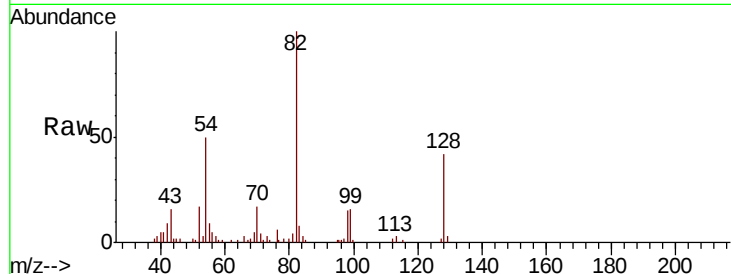




#23
 Nitrobenzene-d5
 Concen: 12.662 ng
 RT: 9.18 min Scan# 1036
 Delta R.T. 0.00 min
 Lab File: BG043536.D
 Acq: 7 Nov 2019 1:18

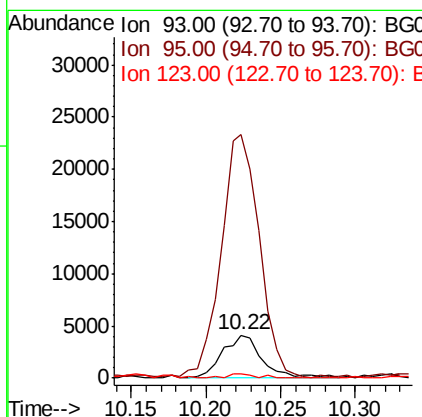
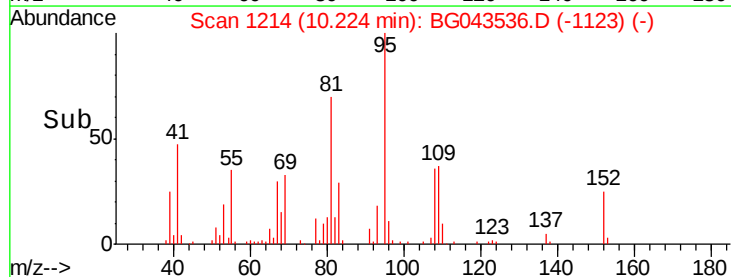
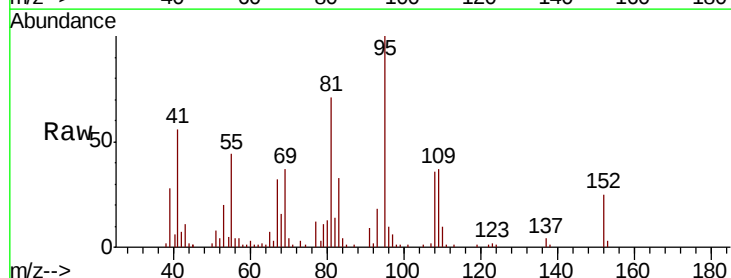
Instrument :
 BNA_G
 ClientSampleId :

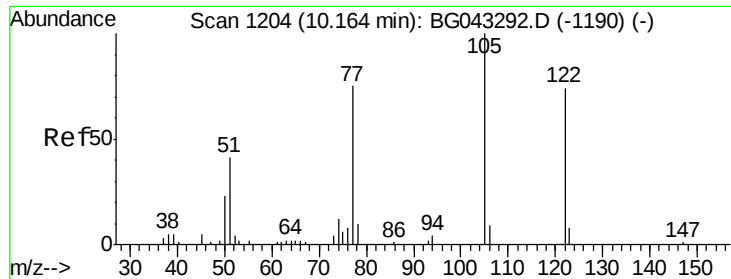
Tot Ion	82	Resp	38661
Ion Ratio	100	Lower	Upper
128	42.1	35.0	52.6
54	50.2	40.2	60.2



#28
 bis(2-Chloroethoxy)methane
 Concen: 2.482 ng
 RT: 10.22 min Scan# 1214
 Delta R.T. 0.01 min
 Lab File: BG043536.D
 Acq: 7 Nov 2019 1:18

Tgt Ion	93	Resp	7646
Ion Ratio	100	Lower	Upper
95	563.8	26.0	39.0#
123	8.7	10.6	15.8#

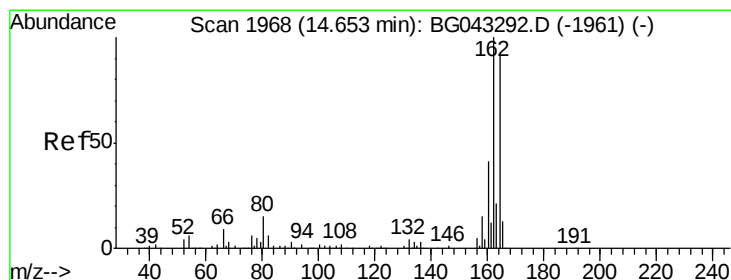
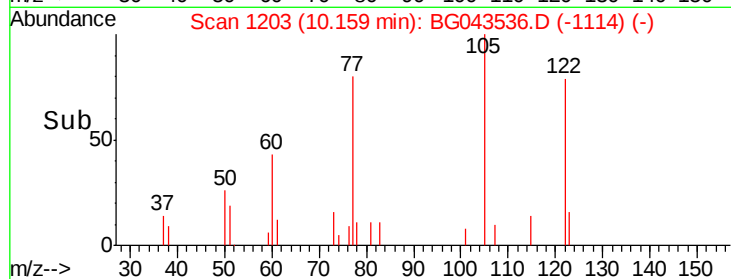
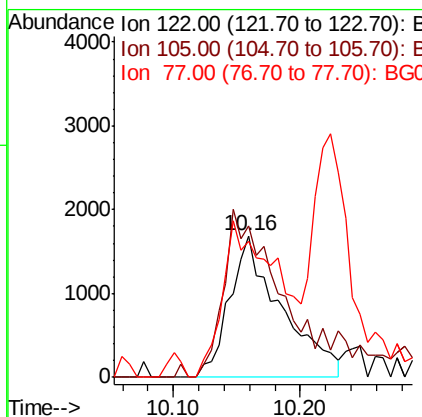
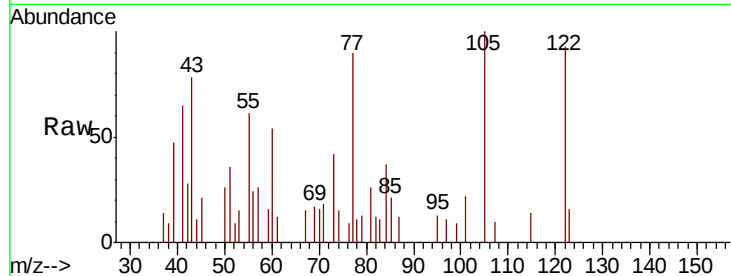




#32
Benzoic acid
Concen: 11.574 ng
RT: 10.16 min Scan# 1203
Delta R.T. -0.00 min
Lab File: BG043536.D
Acq: 7 Nov 2019 1:18

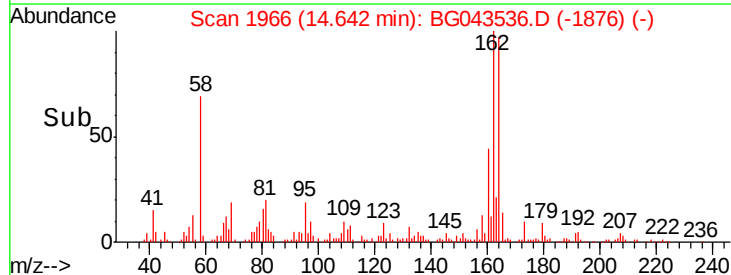
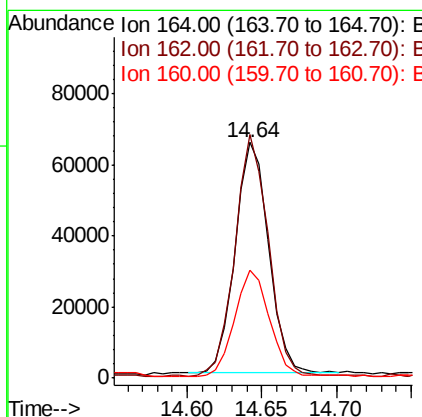
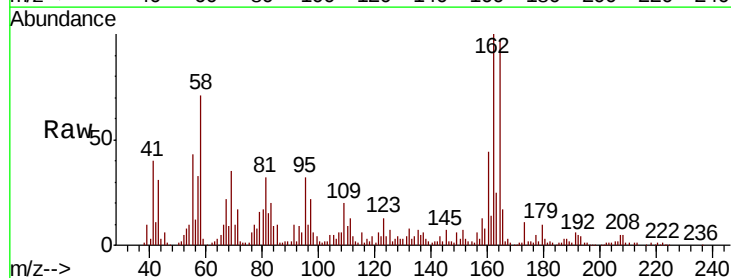
Instrument :
BNA_G
ClientSampleId :

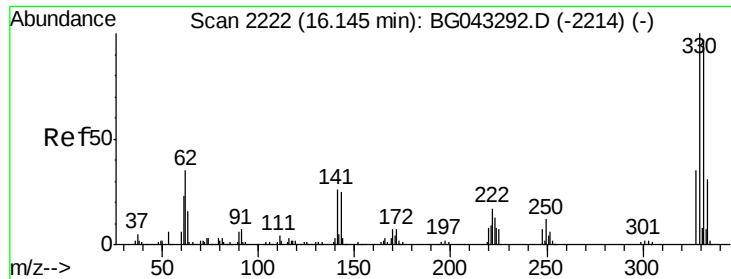
Tot Ion:122 Resp: 4783
Ion Ratio Lower Upper
122 100
105 107.1 103.3 143.3
77 95.9 84.9 124.9



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.64 min Scan# 1966
Delta R.T. 0.00 min
Lab File: BG043536.D
Acq: 7 Nov 2019 1:18

Tgt Ion:164 Resp: 101269
Ion Ratio Lower Upper
164 100
162 103.5 83.5 125.3
160 45.9 36.5 54.7

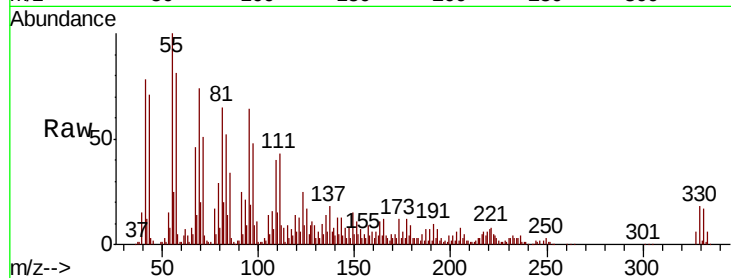




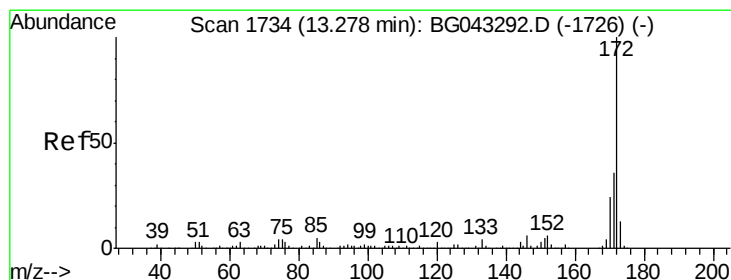
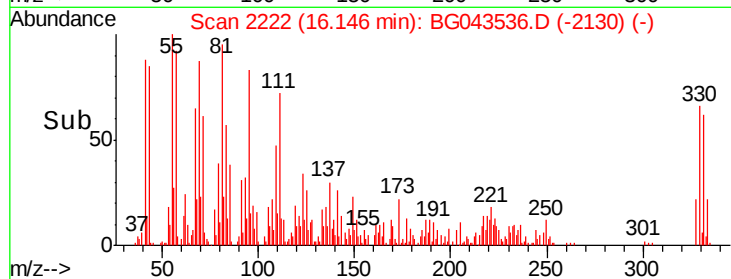
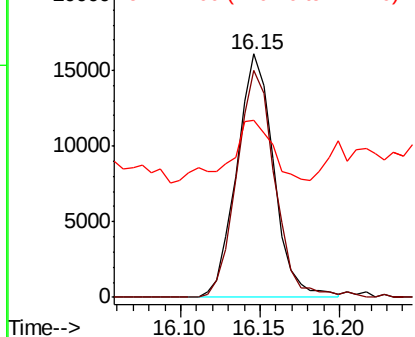
#42
 2,4,6-Tribromophenol
 Concen: 13.487 ng
 RT: 16.15 min Scan# 2222
 Delta R.T. 0.01 min
 Lab File: BG043536.D
 Acq: 7 Nov 2019 1:18

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:330 Resp: 25992
 Ion Ratio Lower Upper
 330 100
 332 95.8 77.4 116.0
 141 22.7 22.8 34.2#

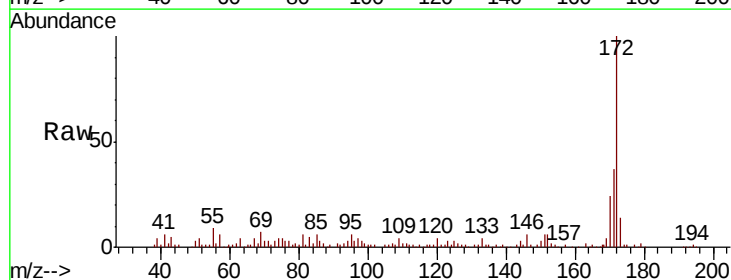


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

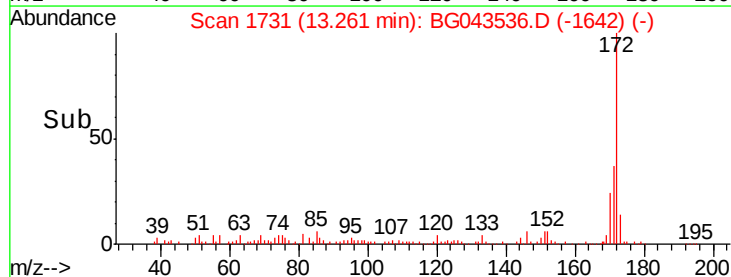
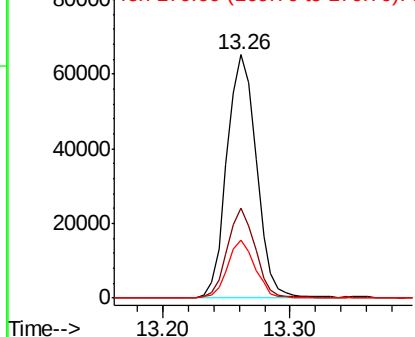


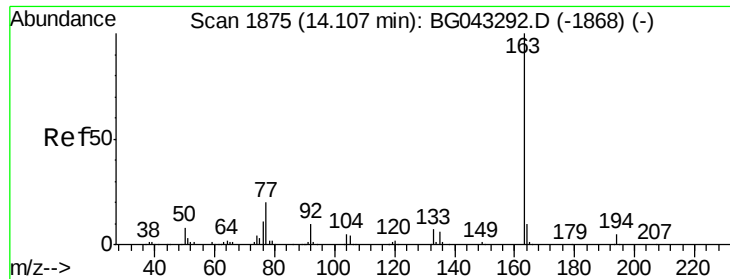
#45
 2-Fluorobiphenyl
 Concen: 14.403 ng
 RT: 13.26 min Scan# 1731
 Delta R.T. -0.00 min
 Lab File: BG043536.D
 Acq: 7 Nov 2019 1:18

Tgt Ion:172 Resp: 105557
 Ion Ratio Lower Upper
 172 100
 171 37.2 28.9 43.3
 170 23.7 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: 2.900 ng

RT: 14.09 min Scan# 1872

Delta R.T. -0.00 min

Lab File: BG043536.D

Acq: 7 Nov 2019 1:18

Instrument :

BNA_G

ClientSampled :

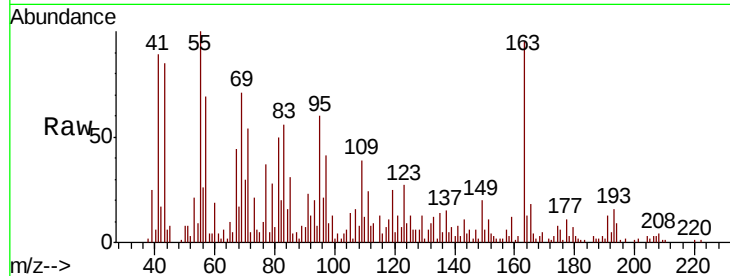
Tot Ion:163 Resp: 22751

Ion Ratio Lower Upper

163 100

194 9.3 3.8 5.6#

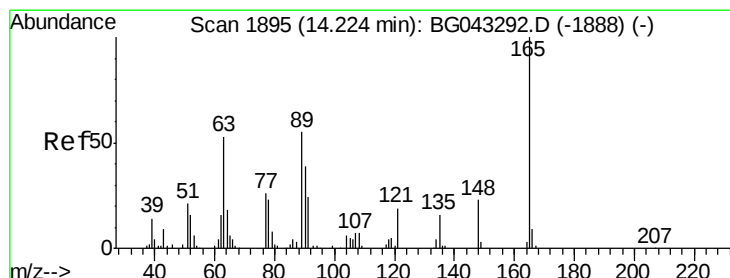
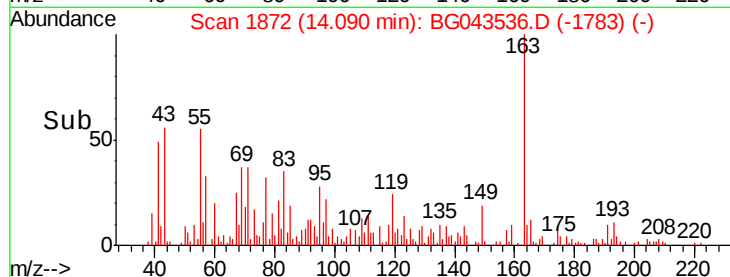
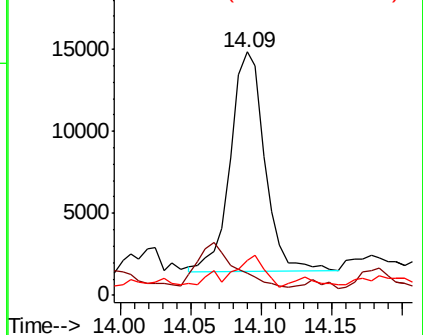
164 14.1 8.9 13.3#



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: 5.634 ng

RT: 14.17 min Scan# 1886

Delta R.T. -0.04 min

Lab File: BG043536.D

Acq: 7 Nov 2019 1:18

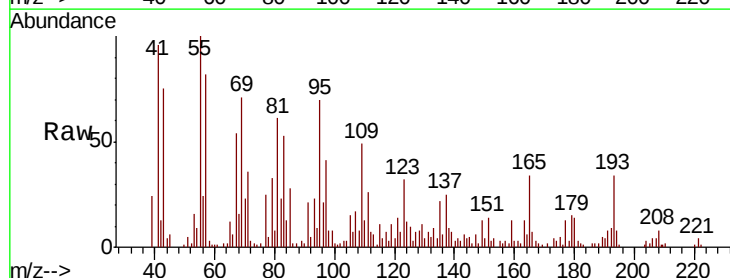
Tgt Ion:165 Resp: 9601

Ion Ratio Lower Upper

165 100

63 6.6 46.6 69.8#

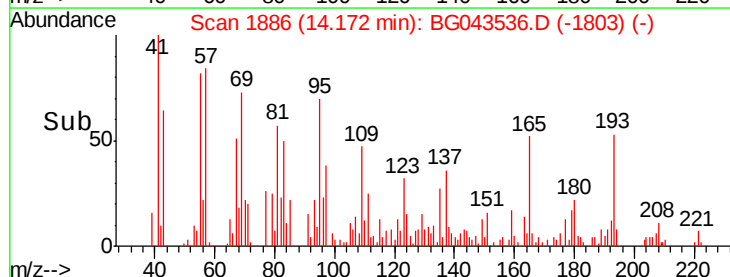
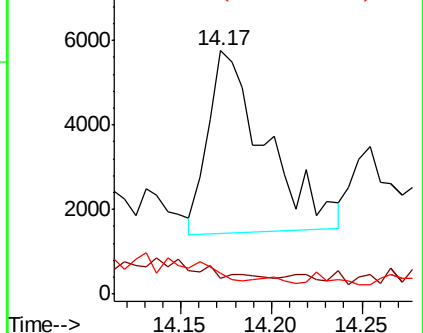
89 8.8 45.1 67.7#

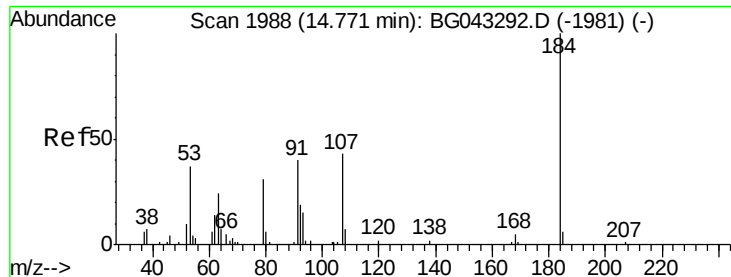


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC





#54

2,4-Dinitrophenol

Concen: 7.354 ng

RT: 14.75 min Scan# 1985

Delta R.T. -0.00 min

Lab File: BG043536.D

Acq: 7 Nov 2019 1:18

Instrument :

BNA_G

ClientSampleId :

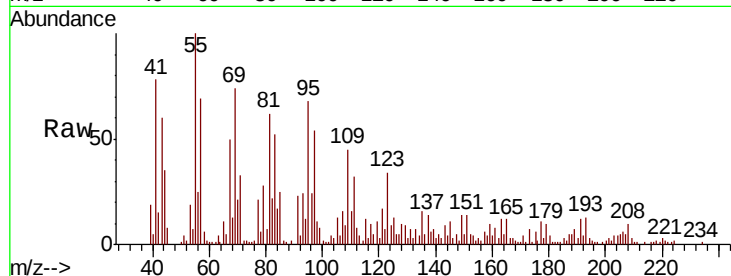
Tot Ion:184 Resp: 84

Ion Ratio Lower Upper

184 100

63 471.5 51.3 76.9#

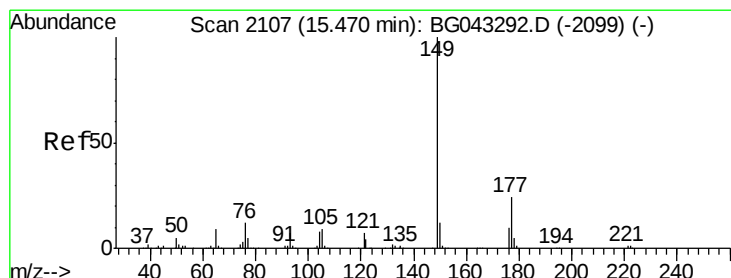
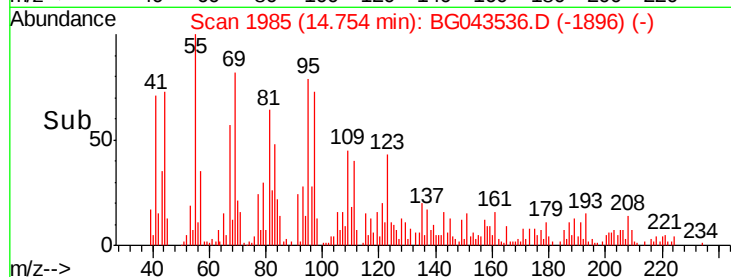
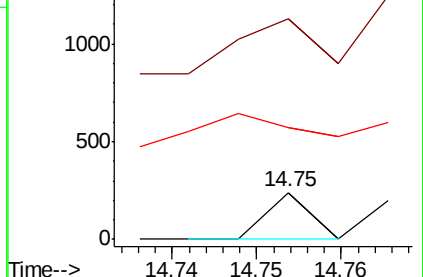
154 238.5 55.4 83.0#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BG

Ion 154.00 (153.70 to 154.70): E



#60

Diethylphthalate

Concen: 2.181 ng

RT: 15.45 min Scan# 2104

Delta R.T. 0.00 min

Lab File: BG043536.D

Acq: 7 Nov 2019 1:18

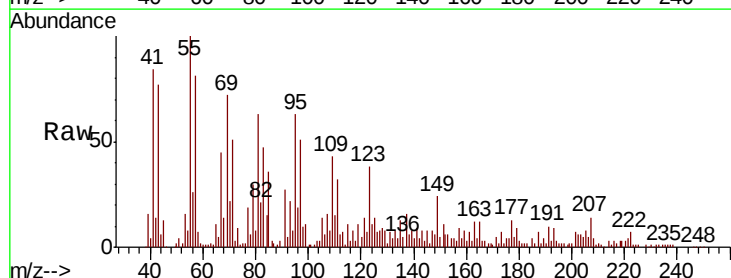
Tgt Ion:149 Resp: 17191

Ion Ratio Lower Upper

149 100

177 55.4 19.6 29.4#

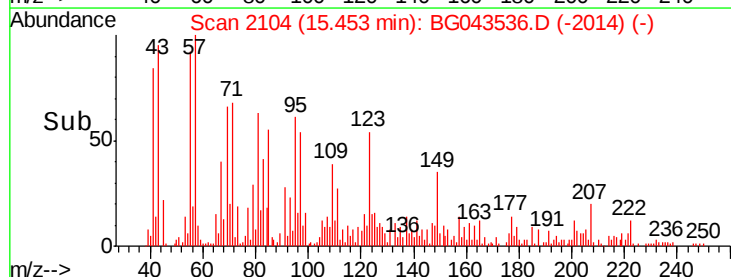
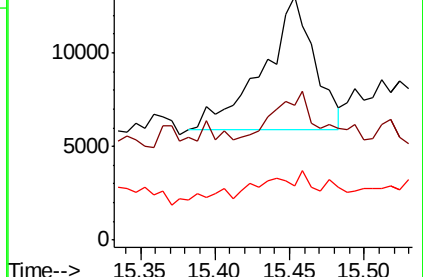
150 22.4 10.8 16.2#

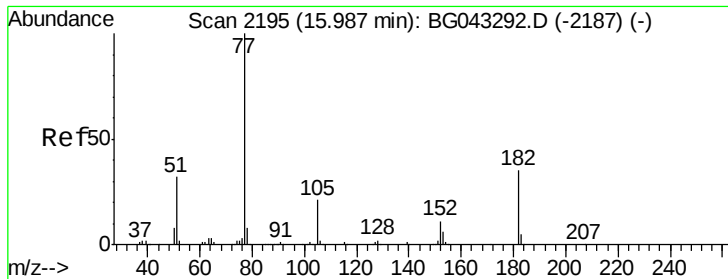


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E

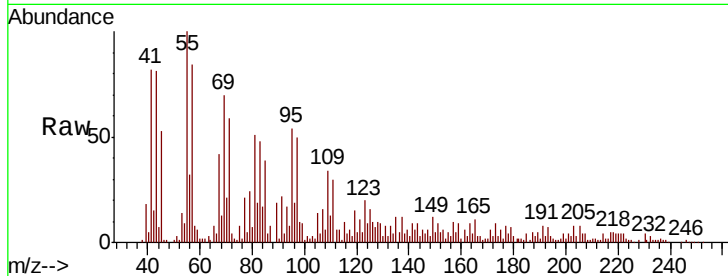




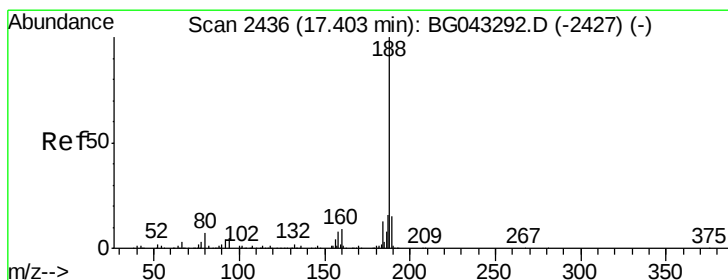
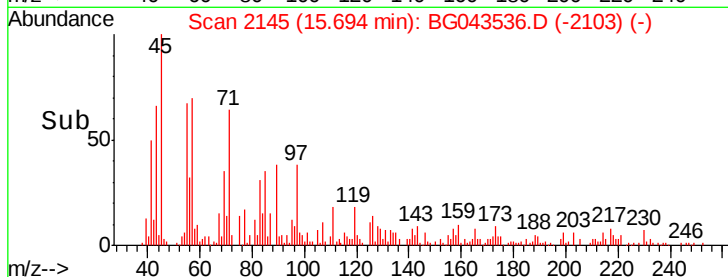
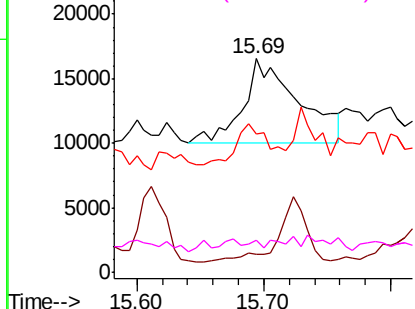
#63
Azobenzene
Concen: 3.115 ng
RT: 15.69 min Scan# 2145
Delta R.T. -0.28 min
Lab File: BG043536.D
Acq: 7 Nov 2019 1:18

Instrument :
BNA_G
ClientSampleId :

Tot Ion: 77 Resp: 19871
Ion Ratio Lower Upper
77 100
182 8.2 13.7 53.7#
105 64.6 0.4 40.4#
51 15.1 11.0 51.0

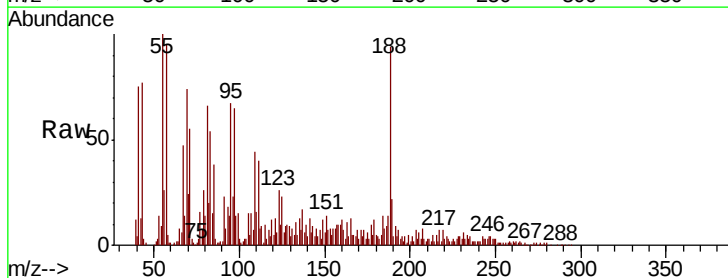


Abundance Ion 77.00 (76.70 to 77.70): BGC
Ion 182.00 (181.70 to 182.70): BGC
Ion 105.00 (104.70 to 105.70): BGC
Ion 51.00 (50.70 to 51.70): BGC

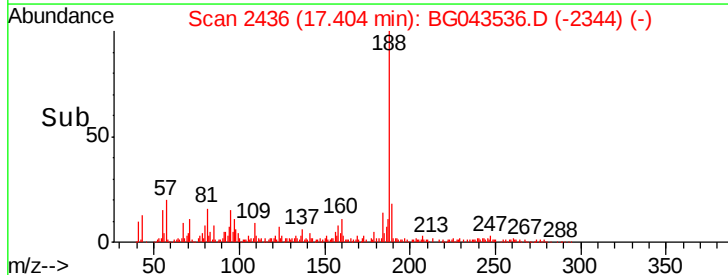
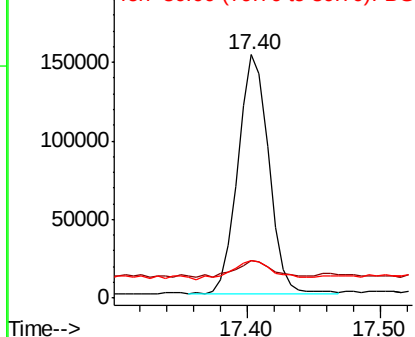


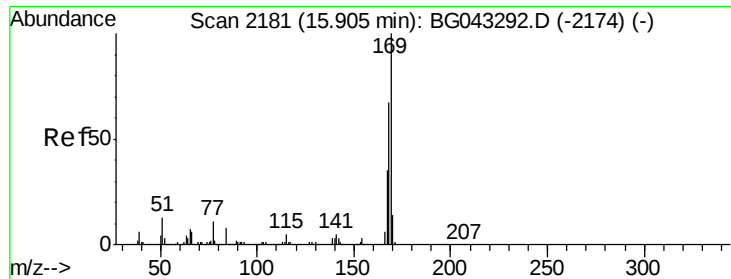
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.40 min Scan# 2436
Delta R.T. 0.01 min
Lab File: BG043536.D
Acq: 7 Nov 2019 1:18

Tgt Ion: 188 Resp: 242232
Ion Ratio Lower Upper
188 100
94 15.3 4.2 6.4#
80 15.3 4.5 6.7#



Abundance Ion 188.00 (187.70 to 188.70): BGC
Ion 94.00 (93.70 to 94.70): BGC
Ion 80.00 (79.70 to 80.70): BGC

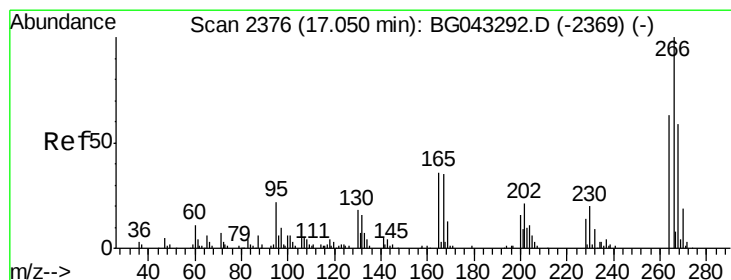
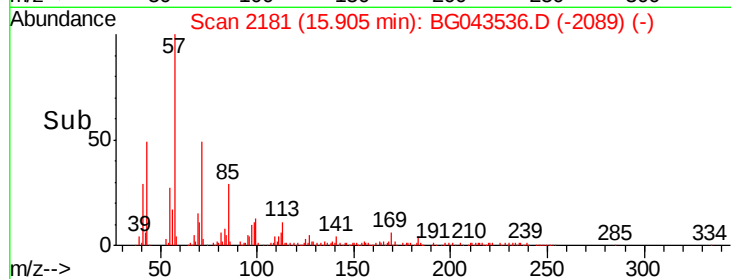
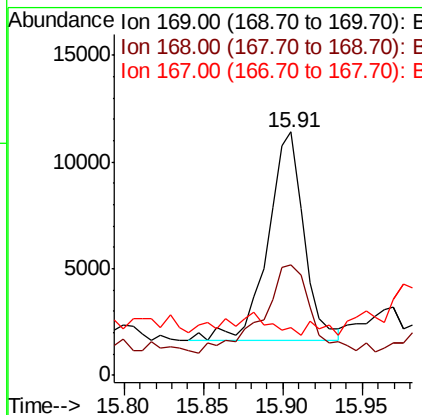
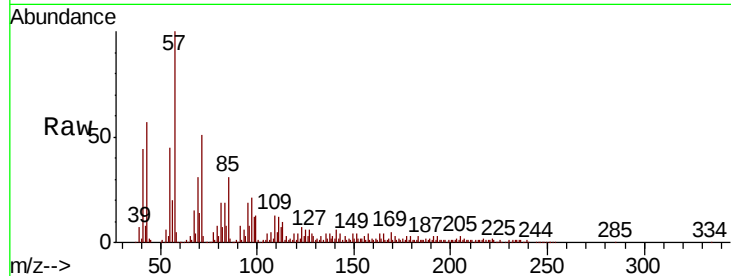




#66
n-Nitrosodiphenylamine
Concen: 2.246 ng
RT: 15.91 min Scan# 2181
Delta R.T. 0.01 min
Lab File: BG043536.D
Acq: 7 Nov 2019 1:18

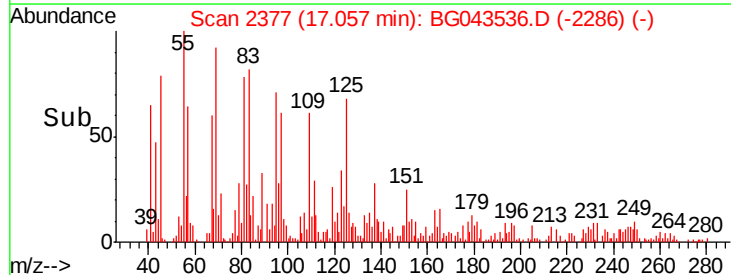
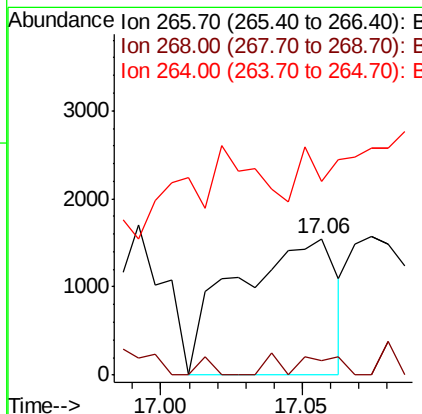
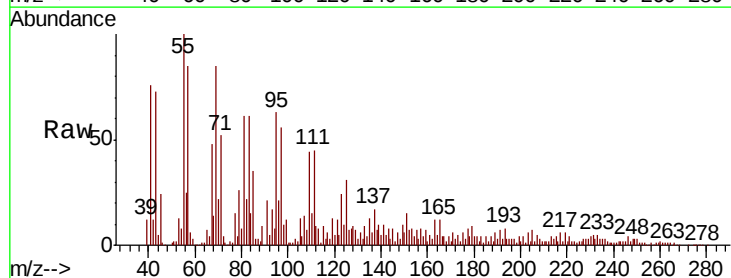
Instrument :
BNA_G
ClientSampleId :

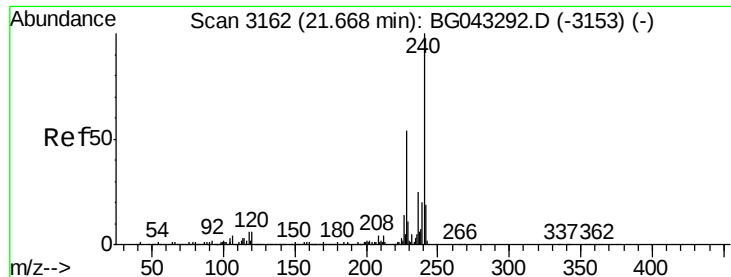
Tot Ion	Ion	Ratio	Resp	Lower	Upper
169	100		15363		
168	45.5	53.8		80.6#	
167	19.5	27.5		41.3#	



#70
Pentachlorophenol
Concen: 2.235 ng
RT: 17.06 min Scan# 2377
Delta R.T. 0.01 min
Lab File: BG043536.D
Acq: 7 Nov 2019 1:18

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
266	100		3810		
268	11.0	50.4		75.6#	
264	141.8	48.9		73.3#	





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.68 min Scan# 3163

Delta R.T. 0.02 min

Lab File: BG043536.D

Acq: 7 Nov 2019 1:18

Instrument :

BNA_G

ClientSampleId :

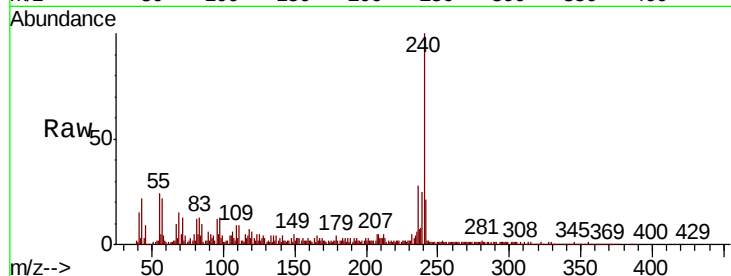
Tot Ion:240 Resp: 259464

Ion Ratio Lower Upper

240 100

120 6.0 4.6 6.8

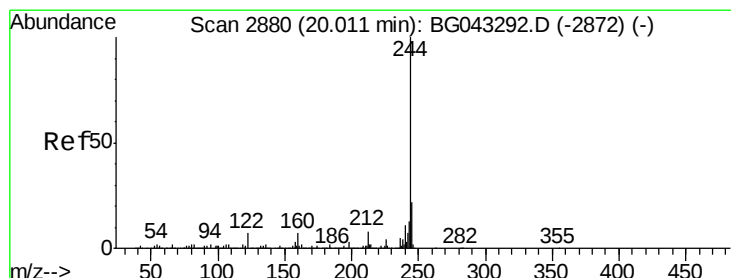
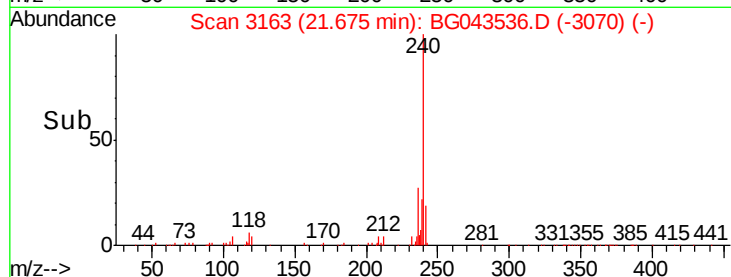
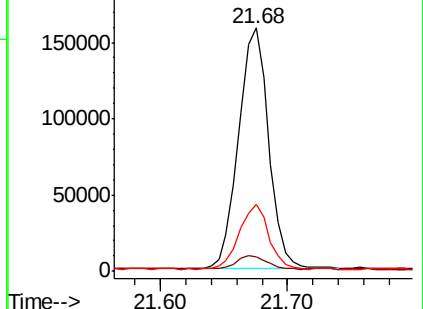
236 27.6 19.8 29.8



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



#79

Terphenyl-d14

Concen: 15.116 ng

RT: 20.01 min Scan# 2880

Delta R.T. 0.01 min

Lab File: BG043536.D

Acq: 7 Nov 2019 1:18

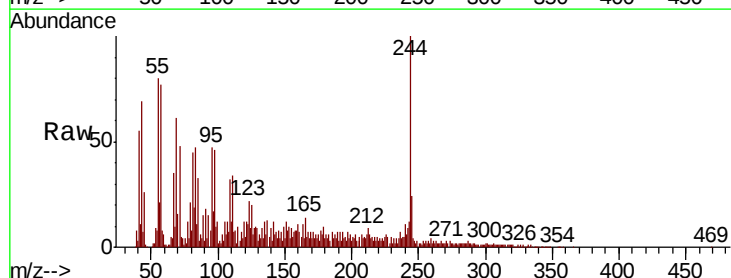
Tgt Ion:244 Resp: 209058

Ion Ratio Lower Upper

244 100

212 9.5 5.8 8.6#

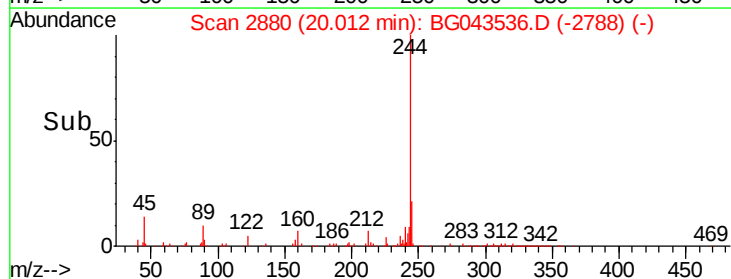
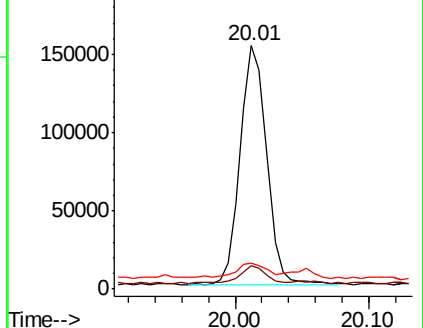
122 10.8 5.4 8.2#

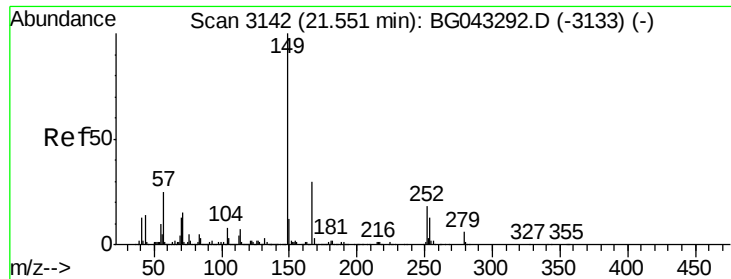


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

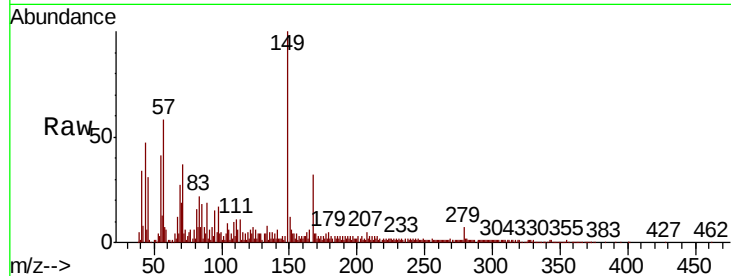




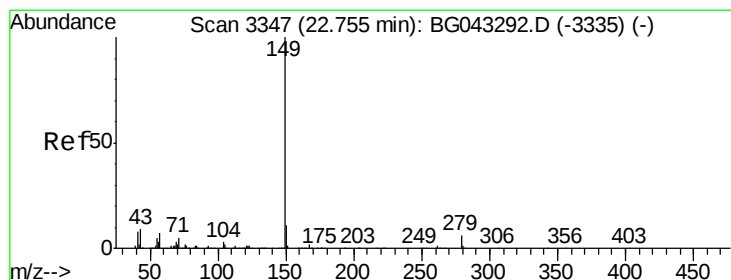
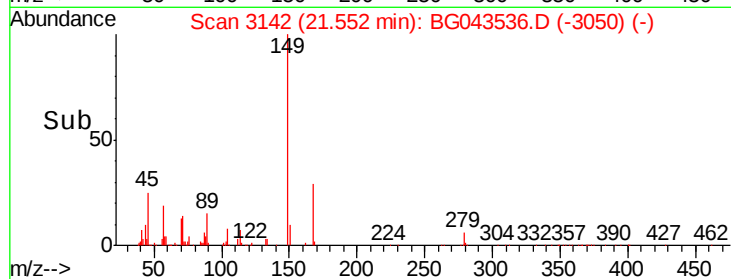
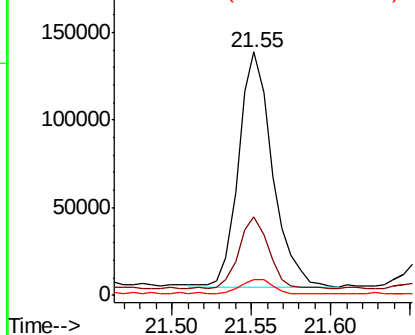
#84
 Bis(2-ethylhexyl)phthalate
 Concen: 22.797 ng
 RT: 21.55 min Scan# 3142
 Delta R.T. 0.01 min
 Lab File: BG043536.D
 Acq: 7 Nov 2019 1:18

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
149	100		
167	32.1	24.0	36.0
279	6.7	5.4	8.2

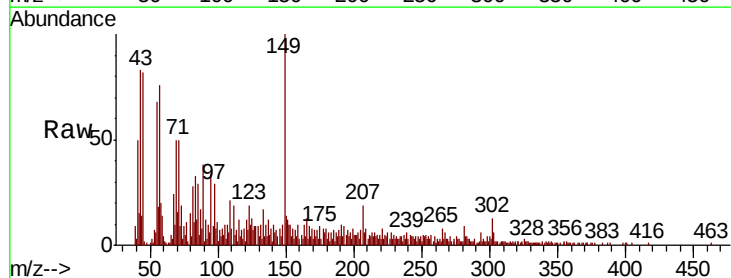


Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E

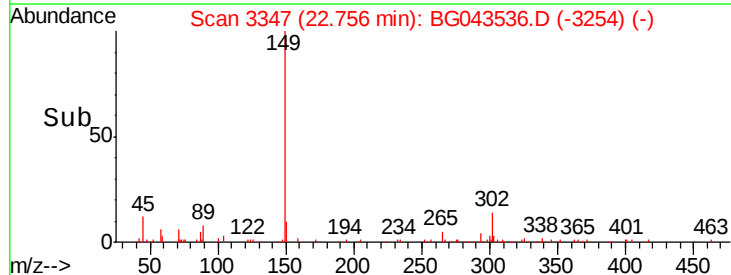
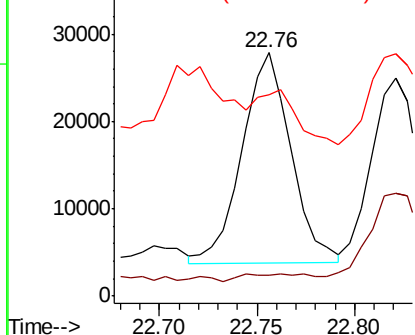


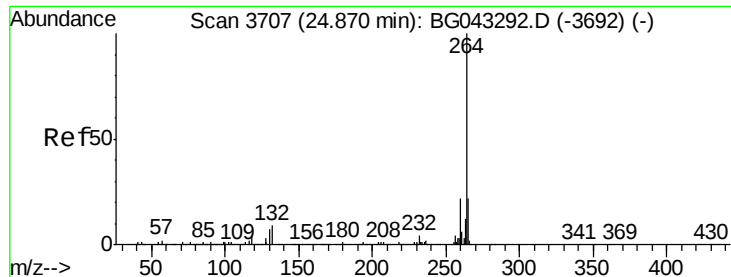
#85
 Di-n-octyl phthalate
 Concen: 2.840 ng
 RT: 22.76 min Scan# 3347
 Delta R.T. 0.02 min
 Lab File: BG043536.D
 Acq: 7 Nov 2019 1:18

Tgt Ion	Ratio	Lower	Upper
149	100		
167	2.2	1.4	2.2#
43	0.0	7.0	10.6#



Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 43.00 (42.70 to 43.70): BGC

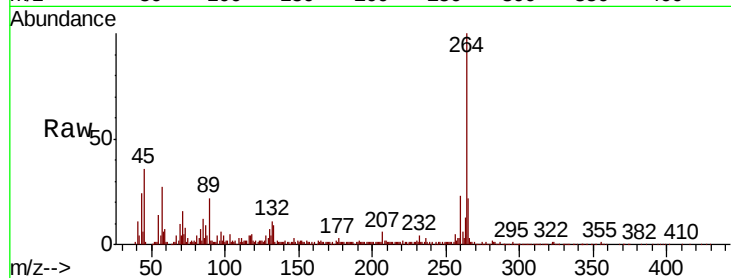




#87
Pervlene-d12
Concen: 20.000 ng
RT: 24.87 min Scan# 3707
Delta R.T. 0.02 min
Lab File: BG043536.D
Acq: 7 Nov 2019 1:18

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.1	17.5	26.3
265	21.7	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

