

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG042420\
 Data File : BG045168.D
 Acq On : 24 Apr 2020 19:43
 Operator : CG/JU
 Sample : L2399-06
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Apr 25 00:21:40 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG041520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 23 13:58:55 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.00	152	69384	20.00	ng	0.00
21) Naphthalene-d8	10.81	136	271574	20.00	ng	0.00
39) Acenaphthene-d10	14.64	164	199883	20.00	ng	0.00
64) Phenanthrene-d10	17.38	188	474606	20.00	ng	-0.01
76) Chrysene-d12	21.65	240	464525	20.00	ng	-0.01
87) Perylene-d12	24.81	264	487002	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.57	112	283929	67.56	ng	-0.01
7) Phenol-d6	7.17	99	423159	67.77	ng	0.00
23) Nitrobenzene-d5	9.16	82	289363	48.62	ng	-0.01
42) 2,4,6-Tribromophenol	16.12	330	228083	73.86	ng	-0.01
45) 2-Fluorobiphenyl	13.26	172	697860	51.19	ng	-0.01
79) Terphenyl-d14	20.00	244	1246838	58.50	ng	0.00

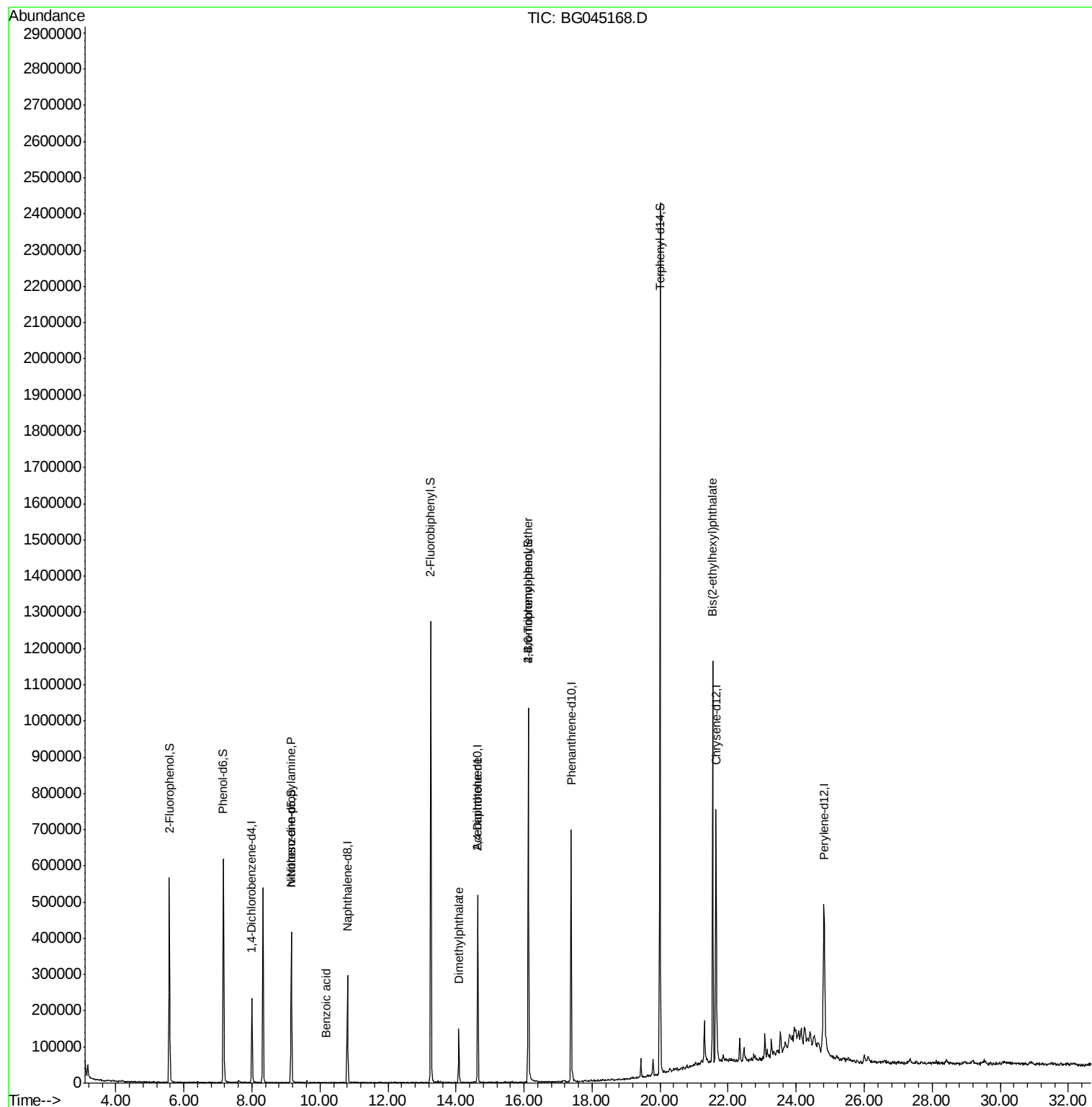
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.12	77	127	Below Cal	#	4
19) n-Nitroso-di-n-propylamine	9.16	70	39537	8.953	ng	# 82
32) Benzoic acid	10.17	122	66	6.391	ng	# 1
50) Dimethylphthalate	14.09	163	107165	6.584	ng	99
57) 2,4-Dinitrotoluene	14.64	165	26214	4.927	ng	# 23
67) 4-Bromophenyl-phenylether	16.12	248	15086	2.464	ng	# 1
74) Di-n-butylphthalate	18.35	149	848	Below Cal	#	76
75) Fluoranthene	19.43	202	34009	Below Cal		96
77) Benzidine	19.63	184	2143	Below Cal	#	82
84) Bis(2-ethylhexyl)phthalate	21.55	149	495259	27.127	ng	96

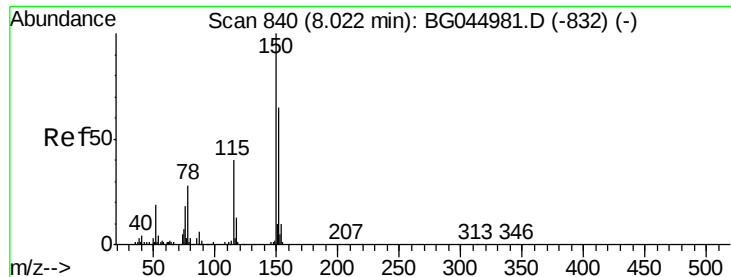
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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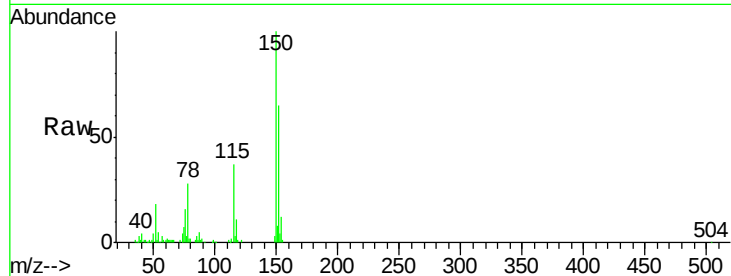


#1

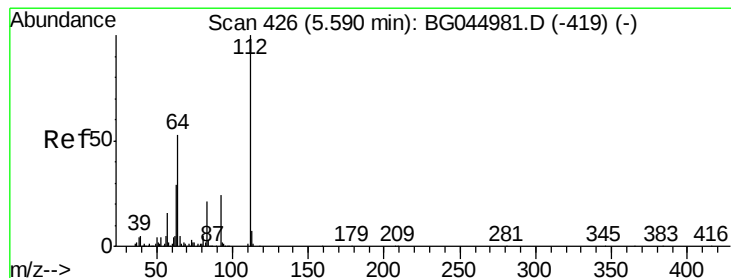
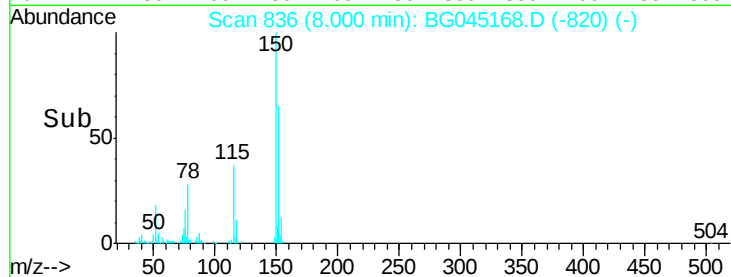
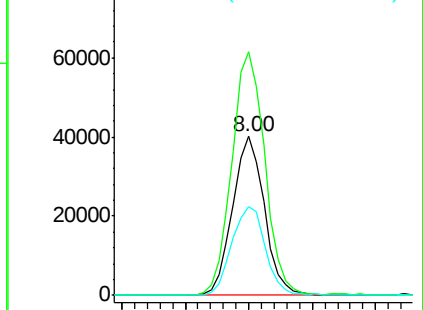
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.00 min Scan# 836
Delta R.T. -0.00 min
Lab File: BG045168.D
Acq: 24 Apr 2020 19:43

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 69384
Ion Ratio Lower Upper
152 100
150 153.3 123.6 185.4
115 56.1 49.1 73.7



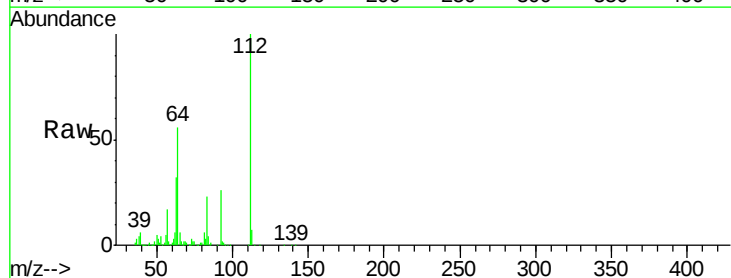
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



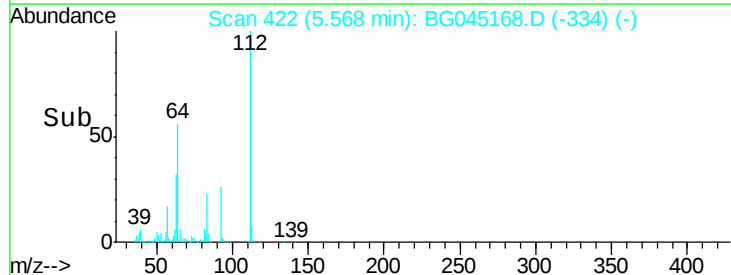
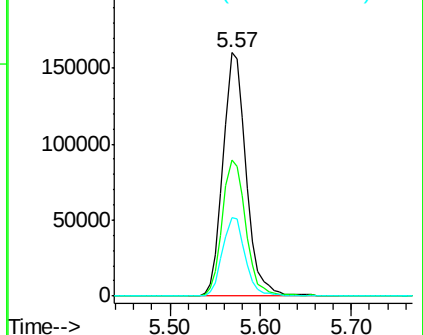
#5

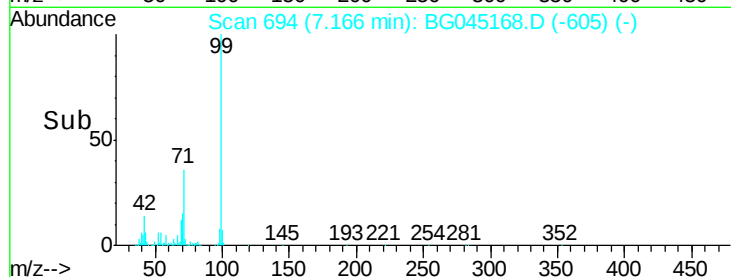
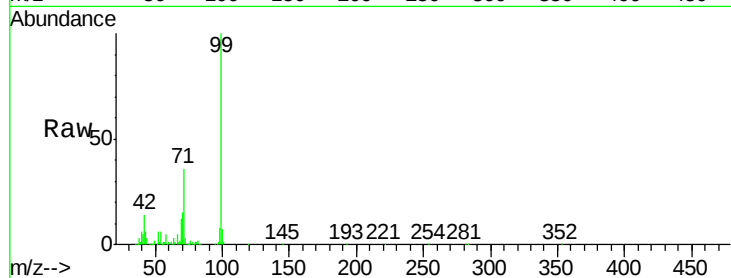
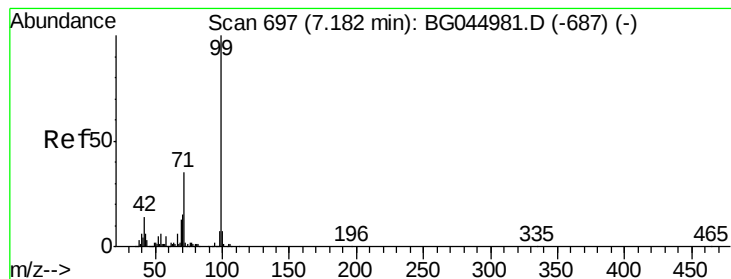
2-Fluorophenol
Concen: 67.559 ng
RT: 5.57 min Scan# 422
Delta R.T. -0.01 min
Lab File: BG045168.D
Acq: 24 Apr 2020 19:43

Tgt Ion:112 Resp: 283929
Ion Ratio Lower Upper
112 100
64 55.9 42.4 63.6
63 32.3 23.1 34.7



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BG0
Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 67.769 ng

RT: 7.17 min Scan# 694

Delta R.T. -0.00 min

Lab File: BG045168.D

Acq: 24 Apr 2020 19:43

Instrument :

BNA_G

ClientSampleId :

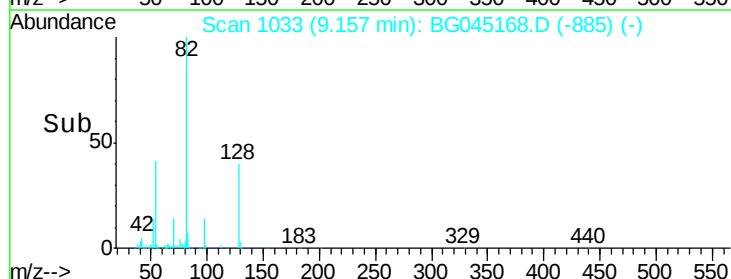
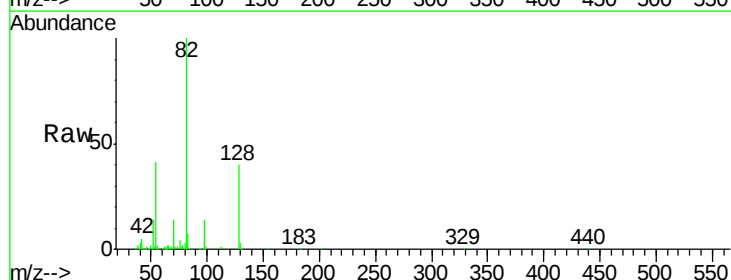
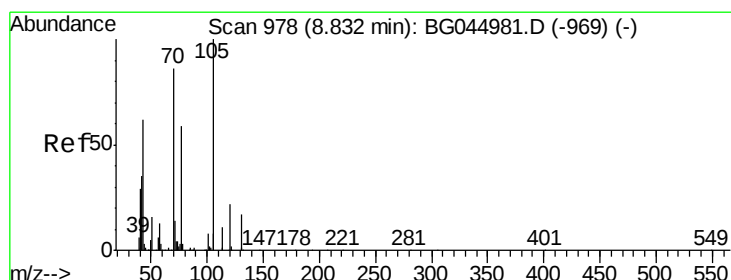
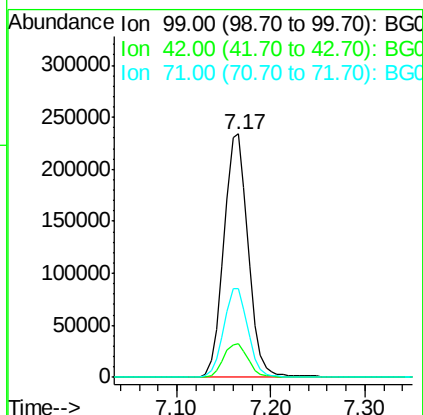
Tot Ion: 99 Resp: 423159

Ion Ratio Lower Upper

99 100

42 13.9 11.3 16.9

71 36.3 28.3 42.5



#19

n-Nitroso-di-n-propylamine

Concen: 8.953 ng

RT: 9.16 min Scan# 1033

Delta R.T. 0.34 min

Lab File: BG045168.D

Acq: 24 Apr 2020 19:43

Tgt Ion: 70 Resp: 39537

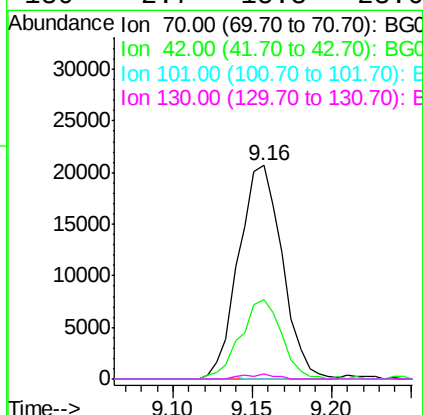
Ion Ratio Lower Upper

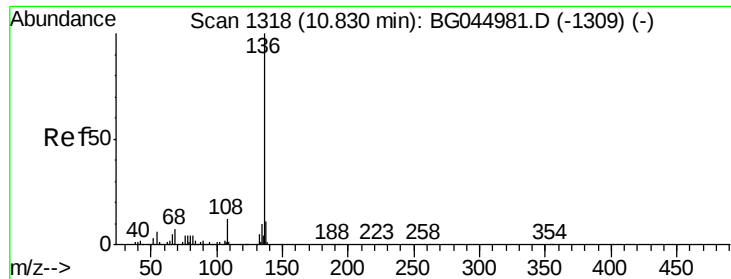
70 100

42 37.3 33.3 49.9

101 0.0 7.8 11.8#

130 2.7 15.8 23.6#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.81 min Scan# 1314

Delta R.T. -0.00 min

Lab File: BG045168.D

Acq: 24 Apr 2020 19:43

Instrument :

BNA_G

ClientSampleId :

Tot Ion:136 Resp: 271574

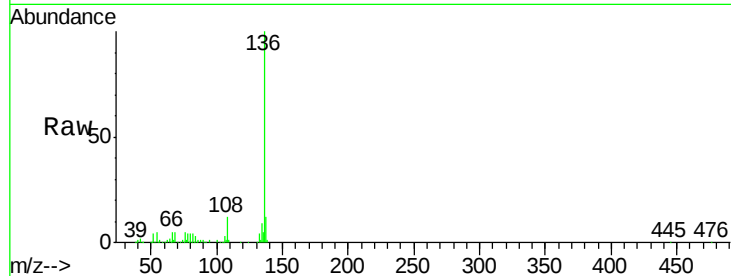
Ion Ratio Lower Upper

136 100

137 11.6 8.6 13.0

54 5.4 4.8 7.2

68 5.1 5.2 7.8#

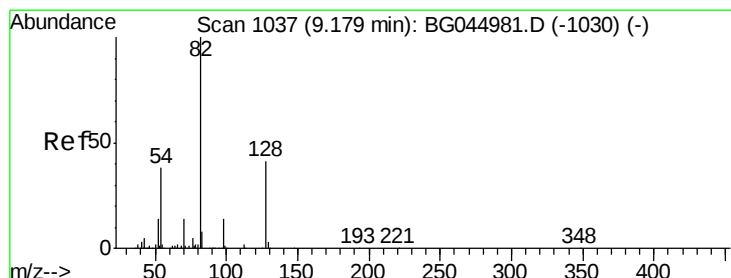
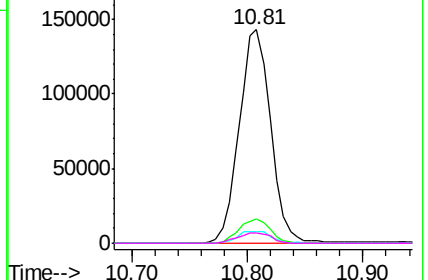
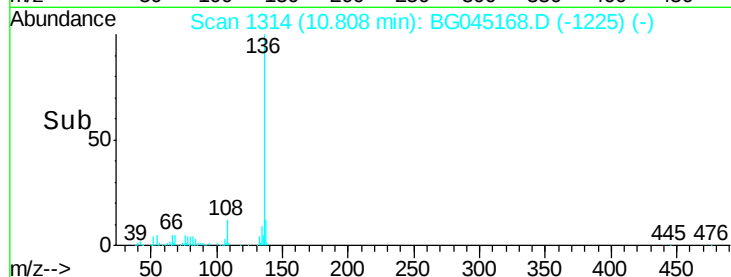


Abundance Ion 136.00 (135.70 to 136.70): E

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: 48.618 ng

RT: 9.16 min Scan# 1033

Delta R.T. -0.01 min

Lab File: BG045168.D

Acq: 24 Apr 2020 19:43

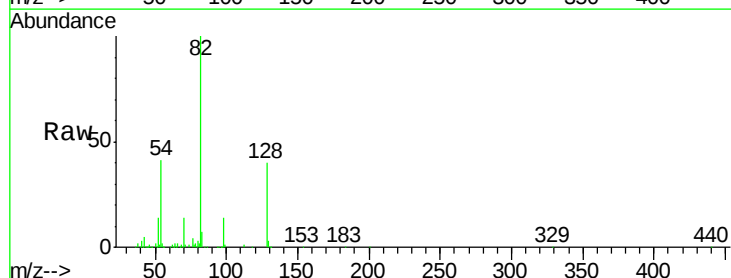
Tgt Ion: 82 Resp: 289363

Ion Ratio Lower Upper

82 100

128 39.8 33.0 49.4

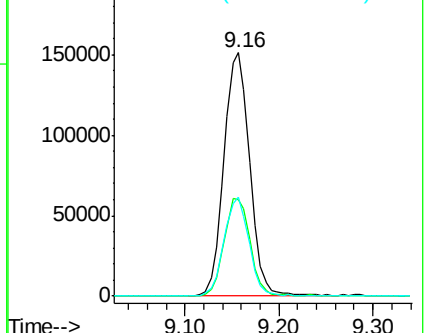
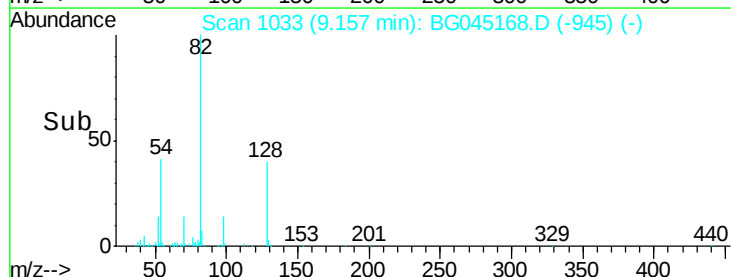
54 40.6 30.4 45.6

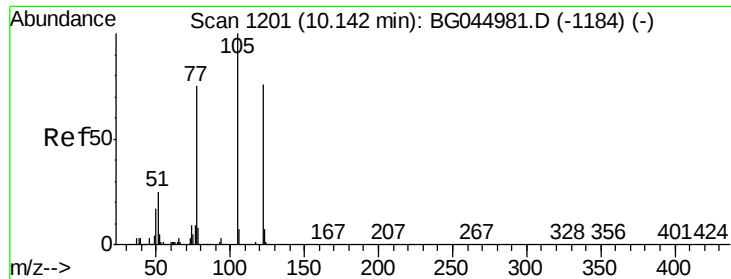


Abundance Ion 82.00 (81.70 to 82.70): BG

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BG

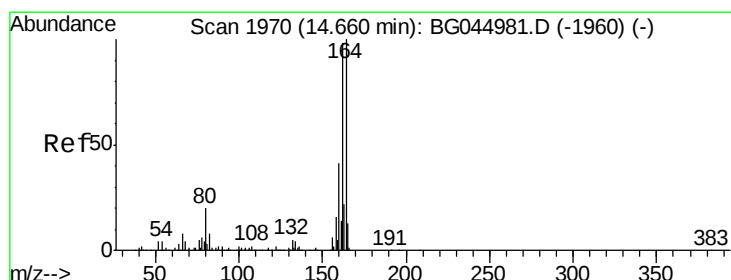
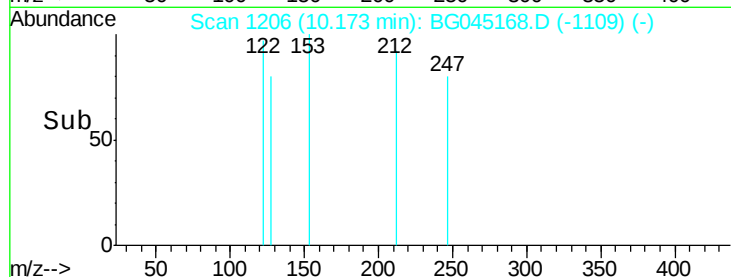
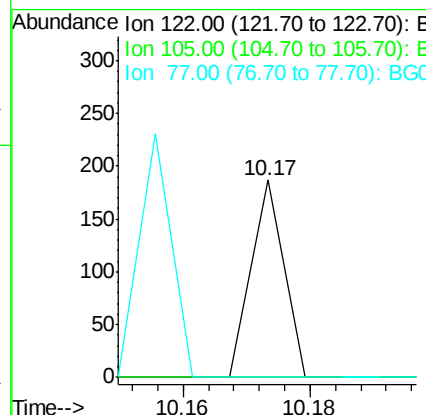
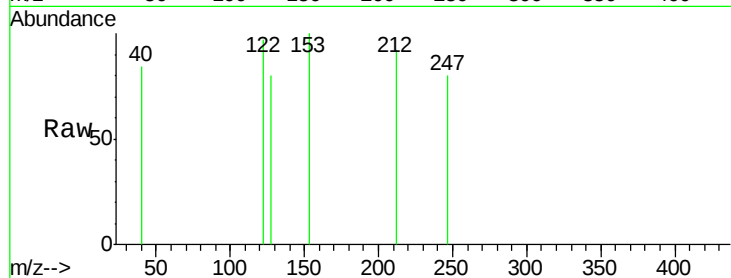




#32
Benzoic acid
Concen: 6.391 ng
RT: 10.17 min Scan# 1206
Delta R.T. 0.04 min
Lab File: BG045168.D
Acq: 24 Apr 2020 19:43

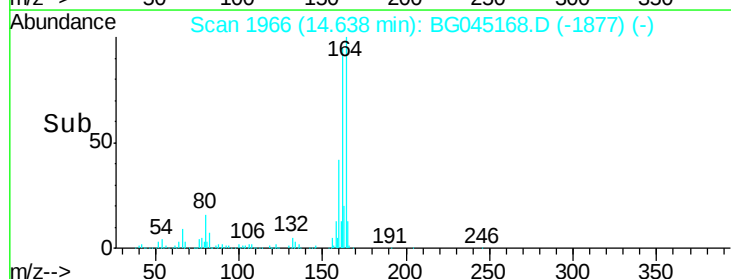
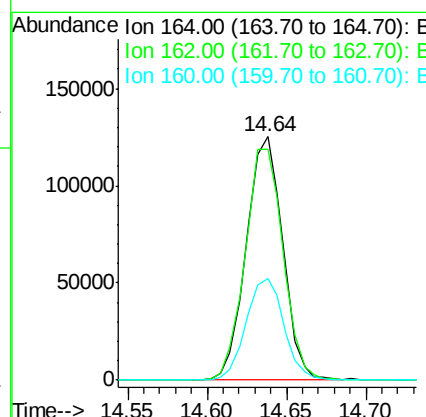
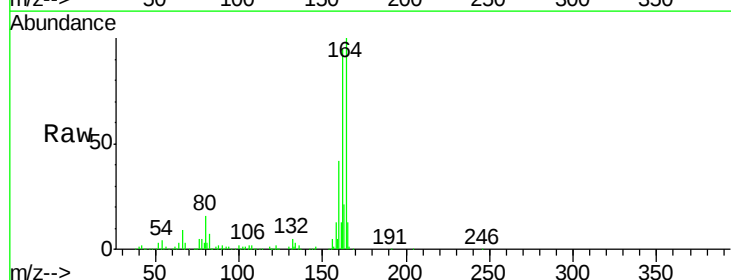
Instrument :
BNA_G
ClientSampleId :

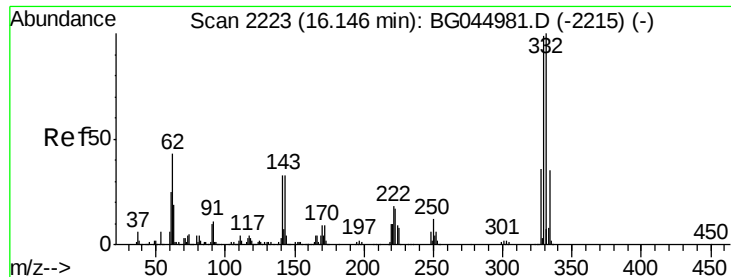
Tot Ion	Ratio	Lower	Upper
122	100		
105	0.0	108.4	148.4#
77	0.0	78.8	118.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.64 min Scan# 1966
Delta R.T. -0.00 min
Lab File: BG045168.D
Acq: 24 Apr 2020 19:43

Tgt Ion	Ratio	Lower	Upper
164	100		
162	95.1	78.7	118.1
160	41.7	32.8	49.2

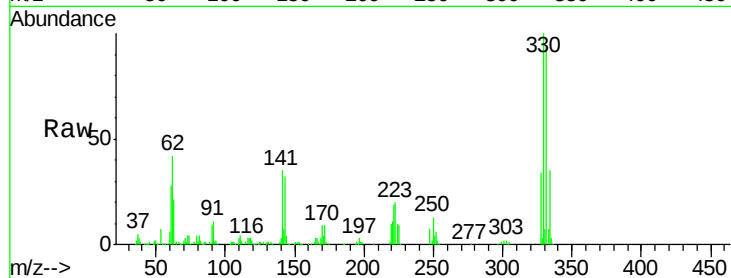




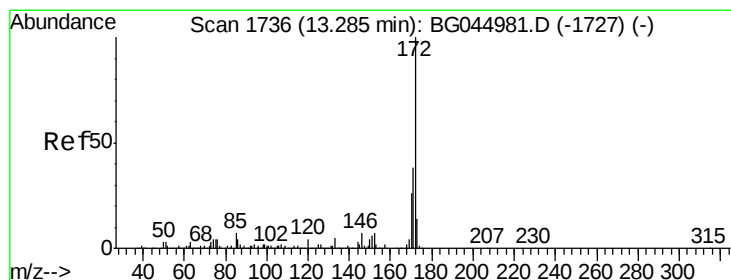
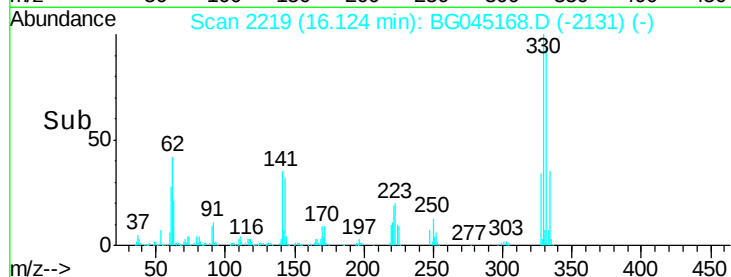
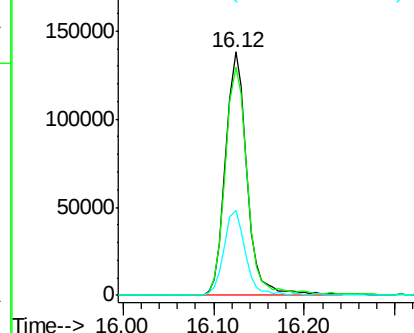
#42
 2,4,6-Tribromophenol
 Concen: 73.863 ng
 RT: 16.12 min Scan# 2219
 Delta R.T. -0.01 min
 Lab File: BG045168.D
 Acq: 24 Apr 2020 19:43

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.4	79.1	118.7
141	34.8	27.1	40.7

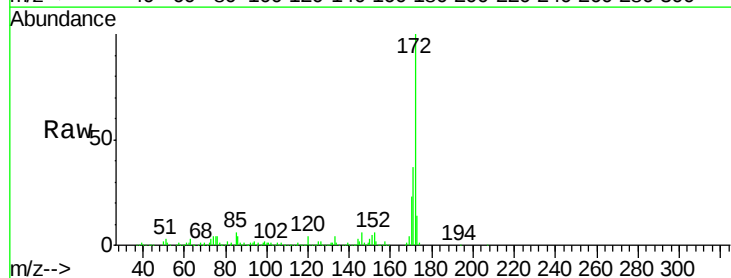


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

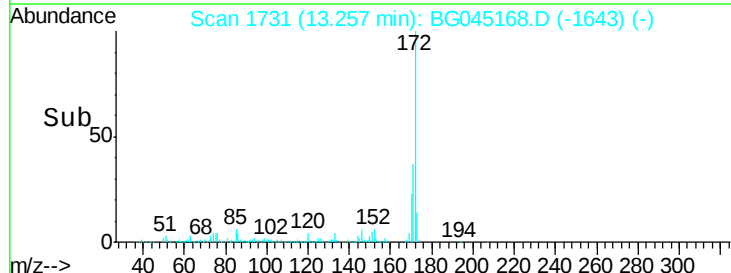
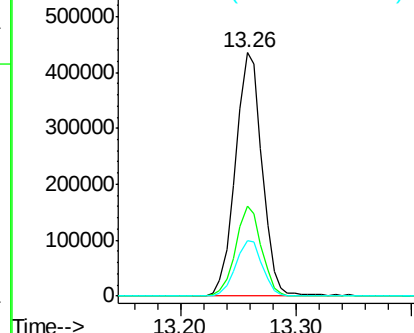


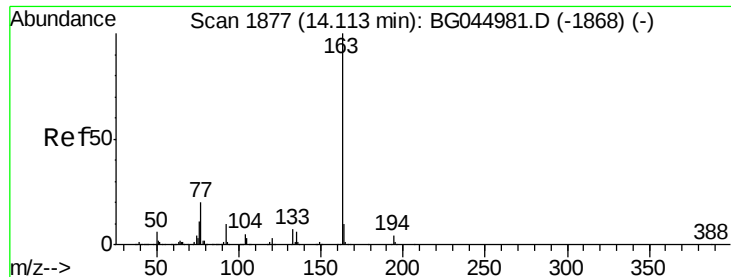
#45
 2-Fluorobiphenyl
 Concen: 51.194 ng
 RT: 13.26 min Scan# 1731
 Delta R.T. -0.01 min
 Lab File: BG045168.D
 Acq: 24 Apr 2020 19:43

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.0	30.6	46.0
170	22.9	20.5	30.7



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

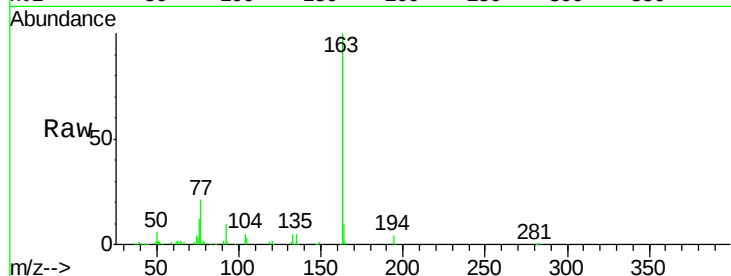




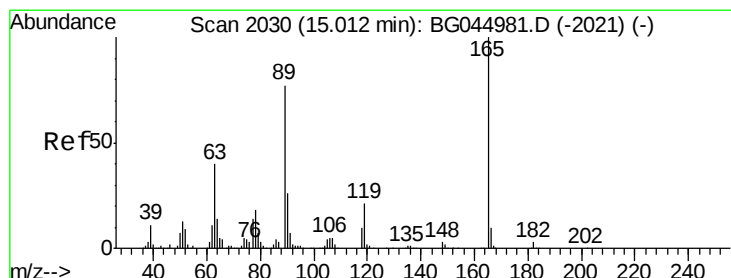
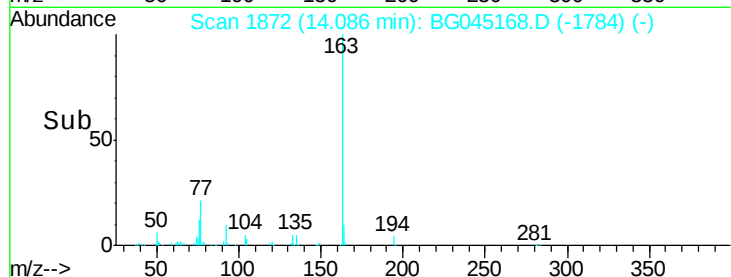
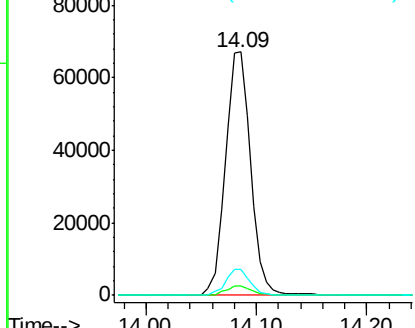
#50
Dimethylphthalate
Concen: 6.584 ng
RT: 14.09 min Scan# 1872
Delta R.T. -0.01 min
Lab File: BG045168.D
Acq: 24 Apr 2020 19:43

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.5	5.3
164	10.4	8.2	12.4

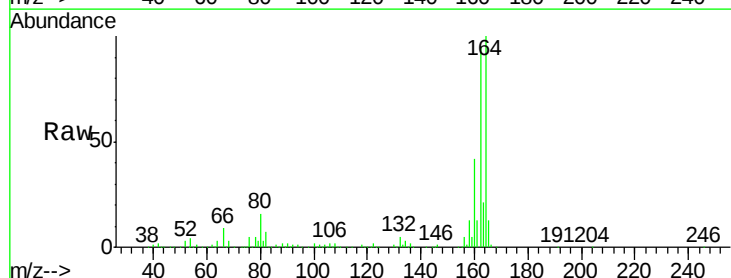


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

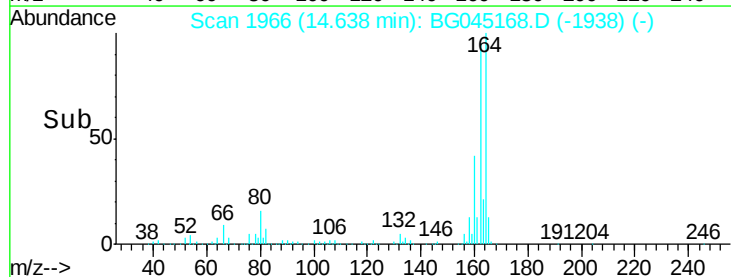
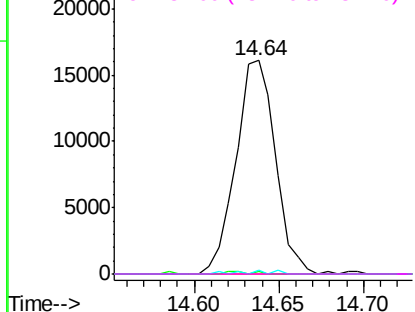


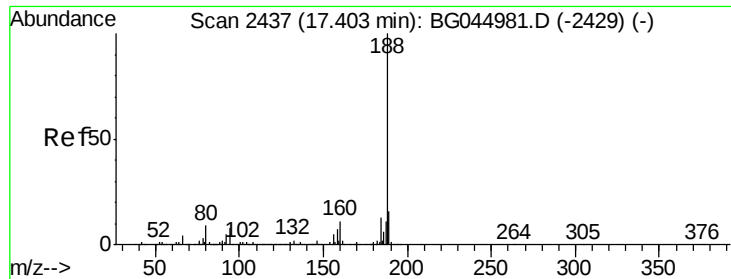
#57
2,4-Dinitrotoluene
Concen: 4.927 ng
RT: 14.64 min Scan# 1966
Delta R.T. -0.36 min
Lab File: BG045168.D
Acq: 24 Apr 2020 19:43

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.0	32.2	48.2#
89	1.8	61.7	92.5#
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: 17.38 min Scan# 2433

Delta R.T. -0.01 min

Lab File: BG045168.D

Acq: 24 Apr 2020 19:43

Instrument :

BNA_G

ClientSampleId :

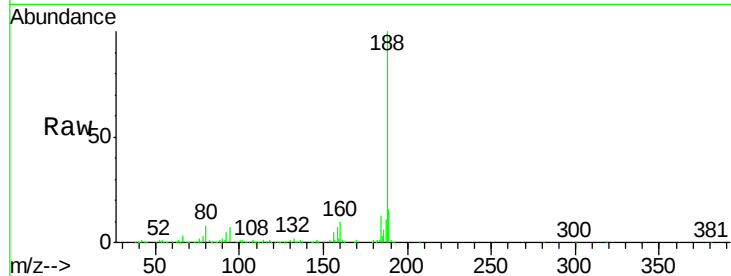
Tot Ion:188 Resp: 474606

Ion Ratio Lower Upper

188 100

94 6.7 6.2 9.4

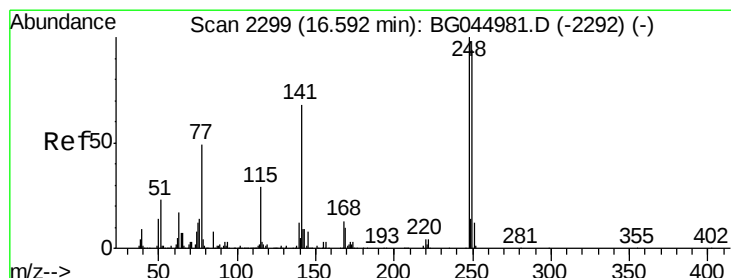
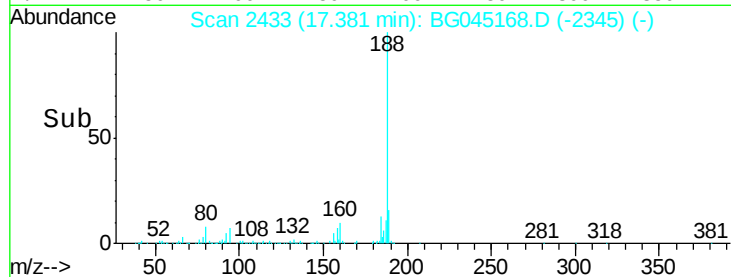
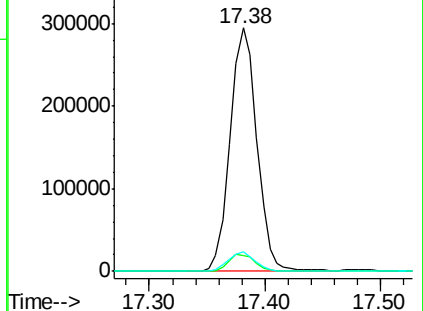
80 8.2 7.0 10.6



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



#67

4-Bromophenyl-phenylether

Concen: 2.464 ng

RT: 16.12 min Scan# 2219

Delta R.T. -0.46 min

Lab File: BG045168.D

Acq: 24 Apr 2020 19:43

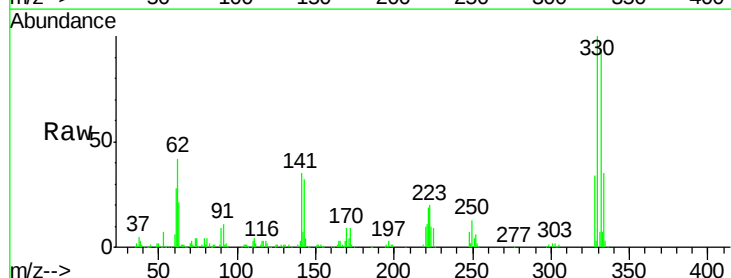
Tgt Ion:248 Resp: 15086

Ion Ratio Lower Upper

248 100

250 200.1 75.4 113.2#

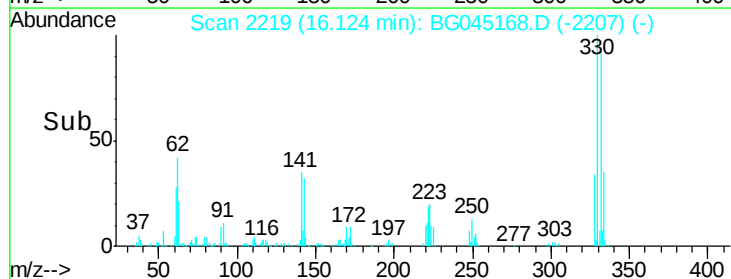
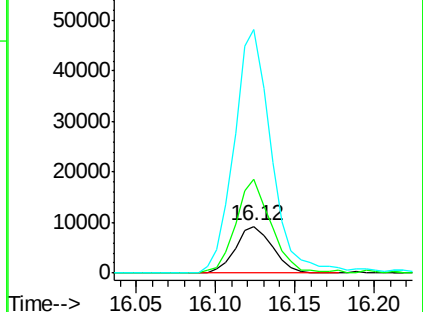
141 519.9 54.4 81.6#

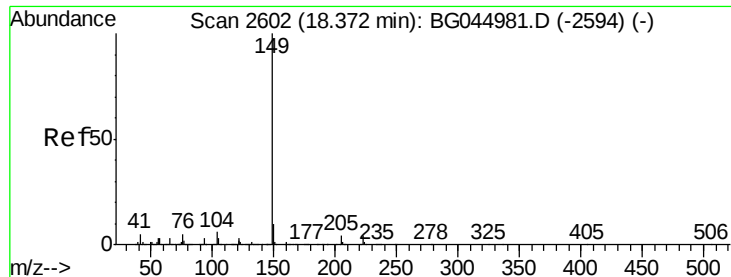


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

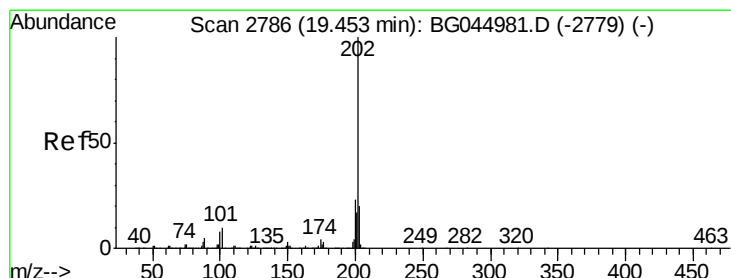
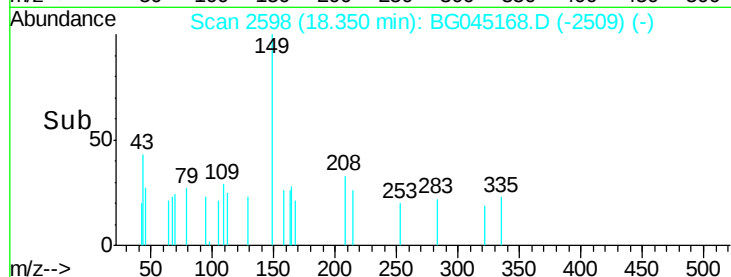
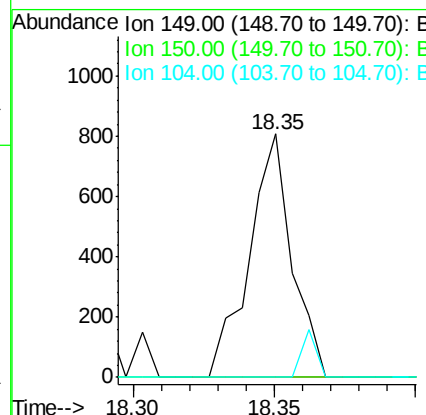
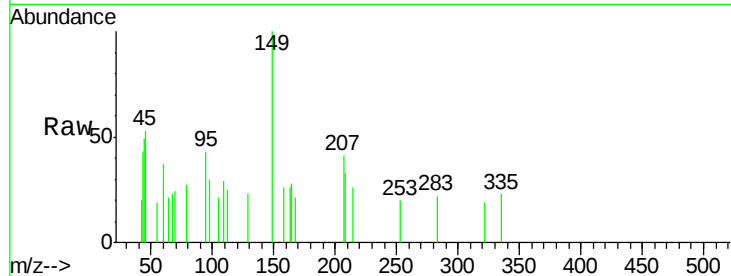




#74
Di-n-butylphthalate
Concen: Below Cal
RT: 18.35 min Scan# 2598
Delta R.T. -0.00 min
Lab File: BG045168.D
Acq: 24 Apr 2020 19:43

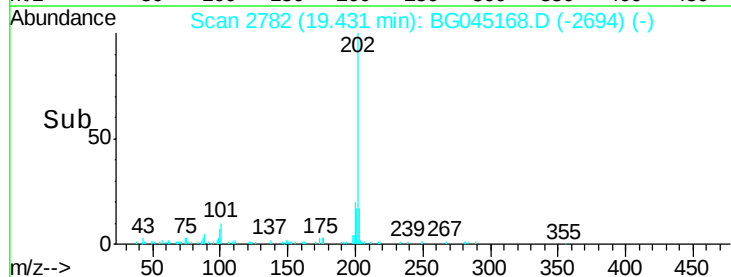
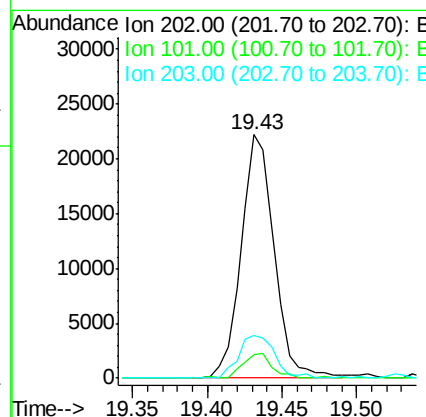
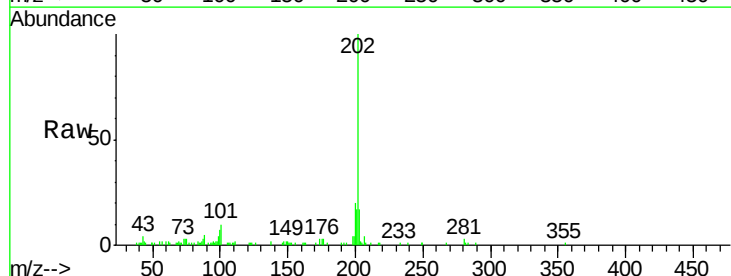
Instrument :
BNA_G
ClientSampleId :

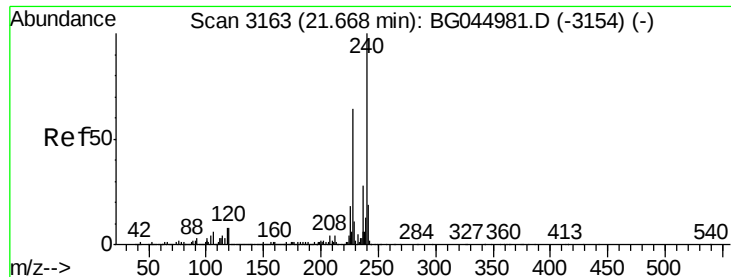
Tot Ion:149 Resp: 848
Ion Ratio Lower Upper
149 100
150 0.0 8.2 12.2#
104 0.0 4.8 7.2#



#75
Fluoranthene
Concen: Below Cal
RT: 19.43 min Scan# 2782
Delta R.T. -0.01 min
Lab File: BG045168.D
Acq: 24 Apr 2020 19:43

Tgt Ion:202 Resp: 34009
Ion Ratio Lower Upper
202 100
101 9.8 0.0 29.6
203 17.3 0.0 39.7





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.65 min Scan# 3159

Delta R.T. -0.01 min

Lab File: BG045168.D

Acq: 24 Apr 2020 19:43

Instrument :

BNA_G

ClientSampleId :

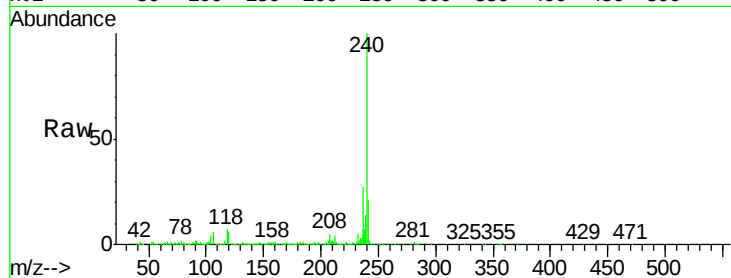
Tot Ion:240 Resp: 464525

Ion Ratio Lower Upper

240 100

120 6.2 6.6 10.0#

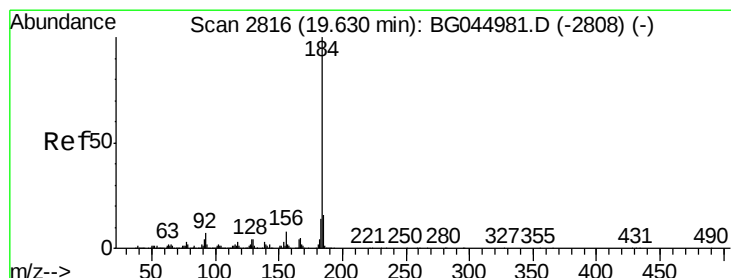
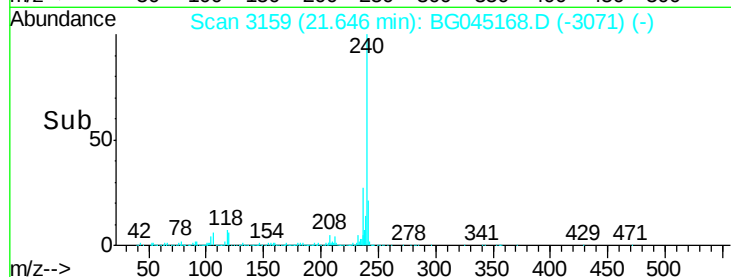
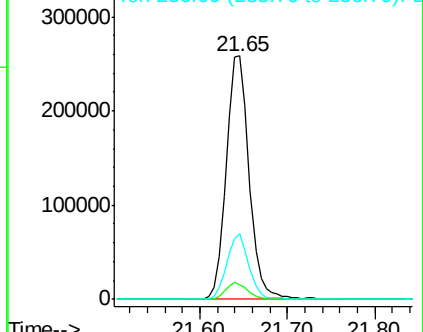
236 27.0 22.2 33.2



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



#77

Benzidine

Concen: Below Cal

RT: 19.63 min Scan# 2815

Delta R.T. 0.01 min

Lab File: BG045168.D

Acq: 24 Apr 2020 19:43

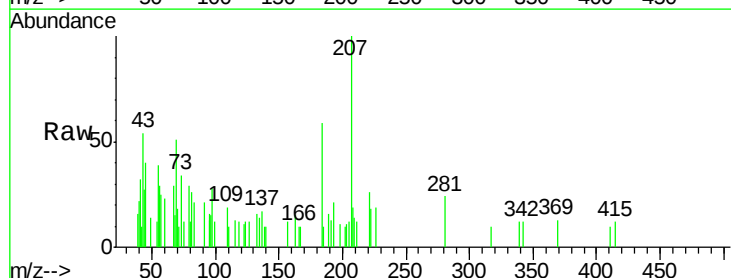
Tgt Ion:184 Resp: 2143

Ion Ratio Lower Upper

184 100

185 16.9 12.6 19.0

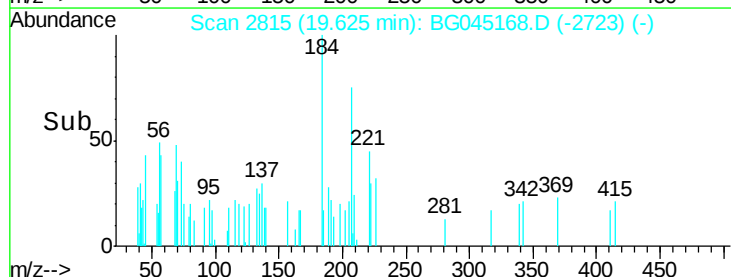
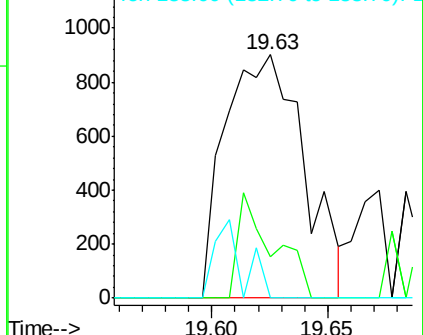
183 0.0 11.3 16.9#

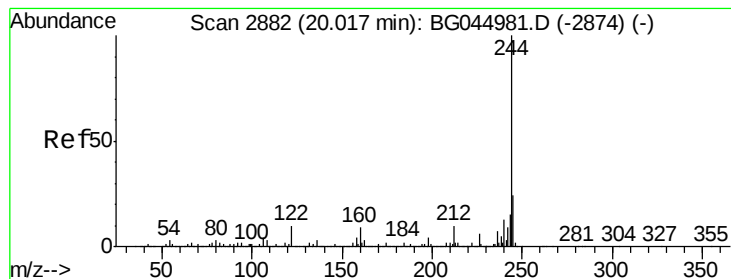


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#79

Terphenyl-d14

Concen: 58.502 ng

RT: 20.00 min Scan# 2878

Delta R.T. -0.00 min

Lab File: BG045168.D

Acq: 24 Apr 2020 19:43

Instrument :

BNA_G

ClientSampleId :

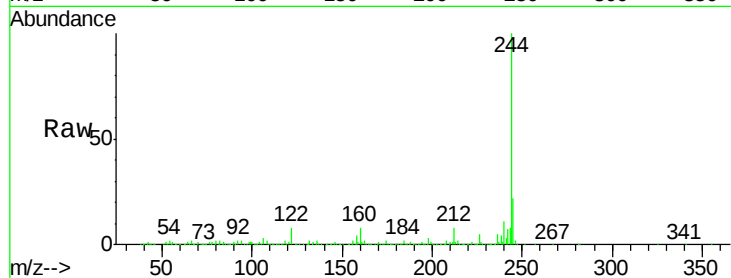
Tot Ion:244 Resp: 1246838

Ion Ratio Lower Upper

244 100

212 8.2 7.9 11.9

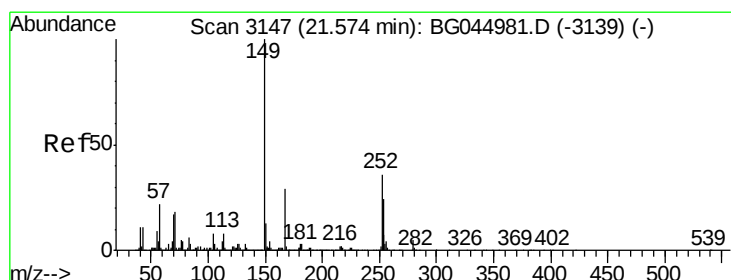
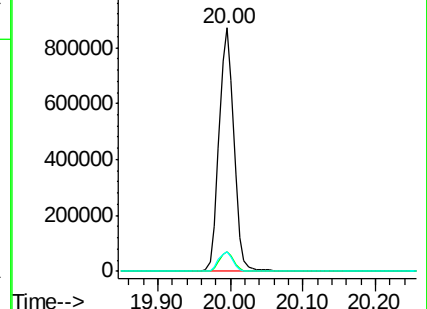
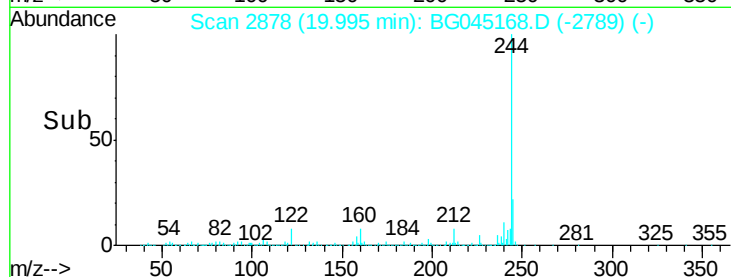
122 8.3 7.7 11.5



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: 27.127 ng

RT: 21.55 min Scan# 3142

Delta R.T. -0.00 min

Lab File: BG045168.D

Acq: 24 Apr 2020 19:43

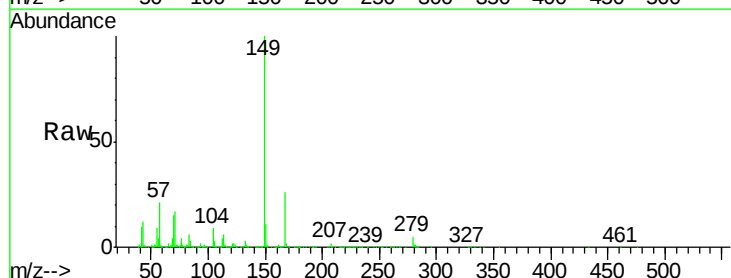
Tgt Ion:149 Resp: 495259

Ion Ratio Lower Upper

149 100

167 26.5 23.4 35.0

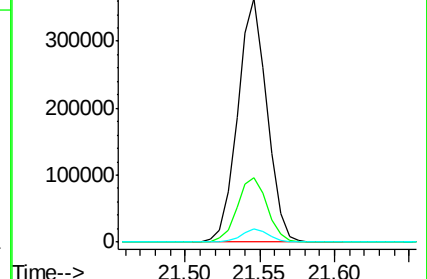
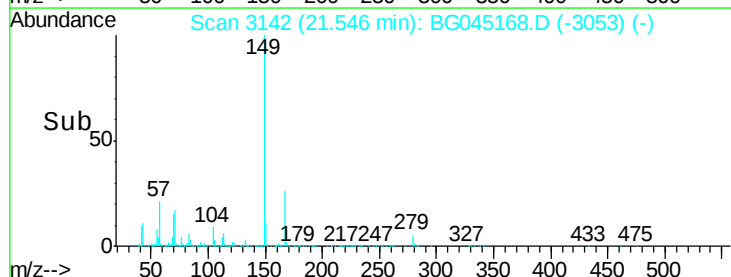
279 5.2 4.3 6.5

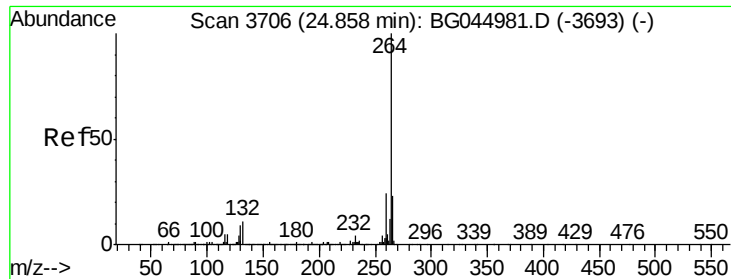


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#87
Pervlene-d12
Concen: 20.000 ng
RT: 24.81 min Scan# 3698
Delta R.T. -0.02 min
Lab File: BG045168.D
Acq: 24 Apr 2020 19:43

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.2	28.8
265	22.3	19.0	28.4

