

Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG050420\
 Data File : BG045237.D
 Acq On : 4 May 2020 17:11
 Operator : CG/JU
 Sample : L2480-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 FK-0D015-03-015

Quant Time: May 04 17:52:11 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG041520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon May 04 13:03:14 2020
 Response via : Initial Calibration

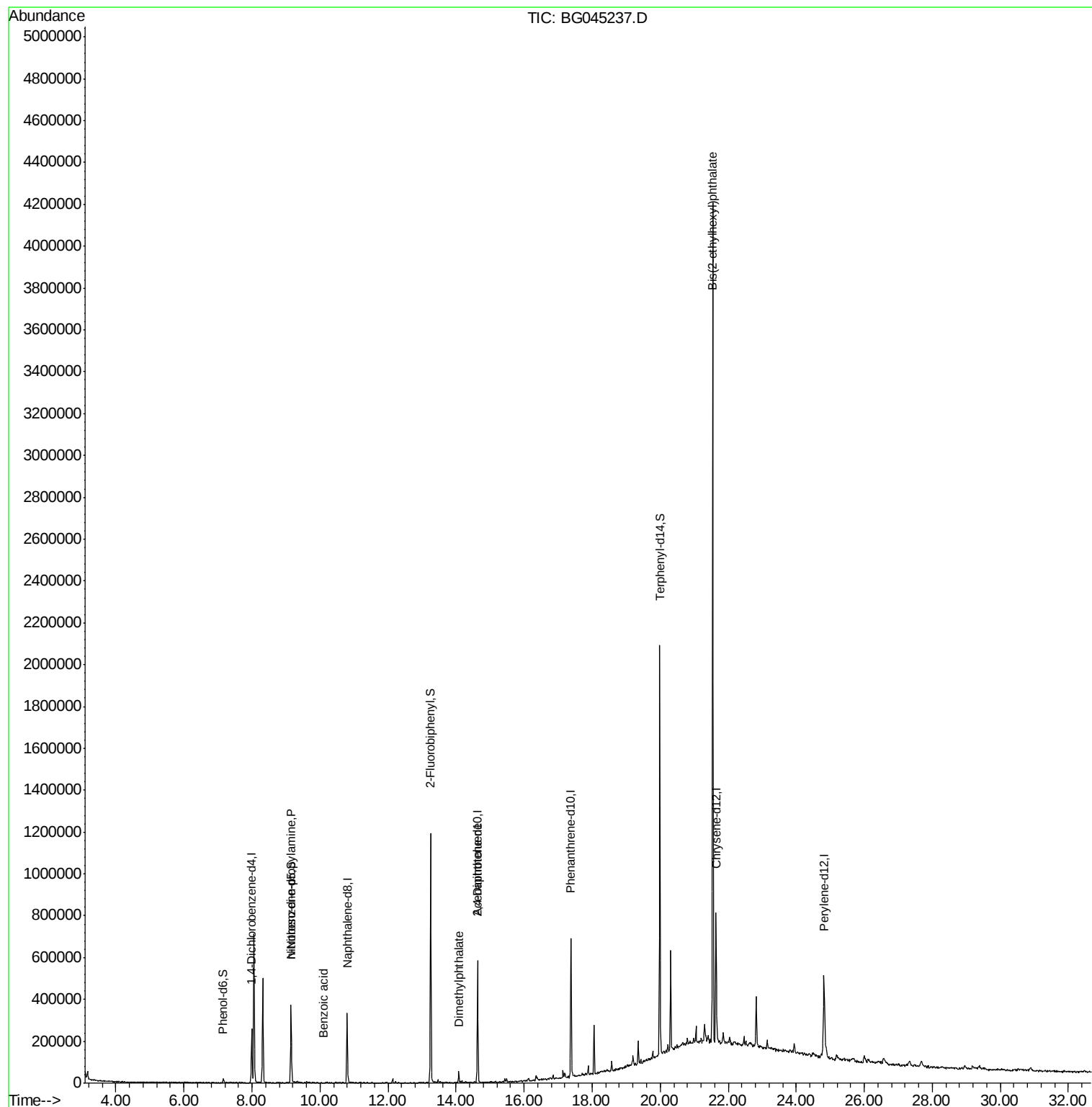
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.99	152	77990	20.00	ng	0.00
21) Naphthalene-d8	10.80	136	301619	20.00	ng	0.00
39) Acenaphthene-d10	14.63	164	213164	20.00	ng	0.00
64) Phenanthrene-d10	17.38	188	473036	20.00	ng	0.00
76) Chrysene-d12	21.65	240	421498	20.00	ng	0.00
87) Perylene-d12	24.82	264	468348	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.57	112	195	0.04	ng	0.00
7) Phenol-d6	7.16	99	16387	2.33	ng	0.01
23) Nitrobenzene-d5	9.15	82	266662	40.34	ng	0.00
42) 2,4,6-Tribromophenol	16.23	330	54	0.02	ng	0.11
45) 2-Fluorobiphenyl	13.25	172	667500	45.92	ng	0.00
79) Terphenyl-d14	19.99	244	1029210	53.22	ng	0.00
Target Compounds						
9) Benzaldehyde	7.14	77	998	Below Cal	#	59
19) n-Nitroso-di-n-propylamine	9.14	70	35711	7.195 ng	#	80
32) Benzoic acid	10.10	122	88	6.394 ng	#	1
50) Dimethylphthalate	14.08	163	38067	2.193 ng	#	98
57) 2,4-Dinitrotoluene	14.63	165	29257	5.157 ng	#	23
69) Atrazine	16.86	200	68	Below Cal	#	35
74) Di-n-butylphthalate	18.34	149	10384	Below Cal	#	90
75) Fluoranthene	19.42	202	7547	Below Cal	#	95
77) Benzidine	19.99	184	19200	Below Cal	#	90
84) Bis(2-ethylhexyl)phthalate	21.55	149	1645955	99.357 ng	#	98

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

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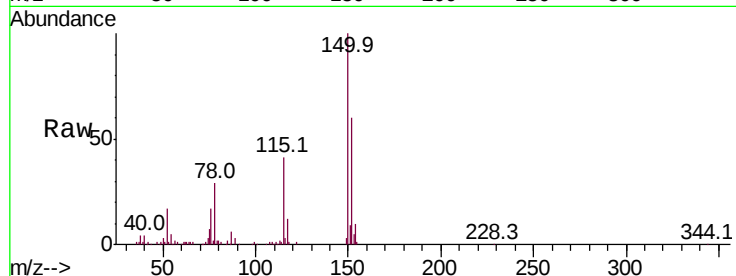


#1

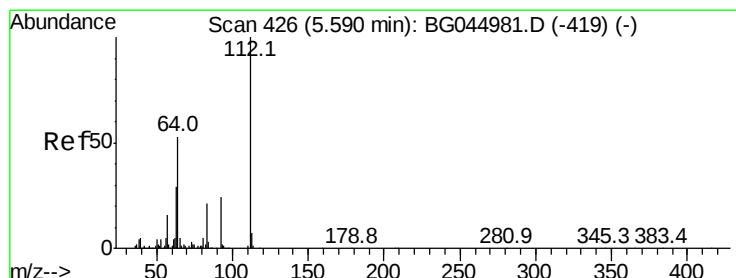
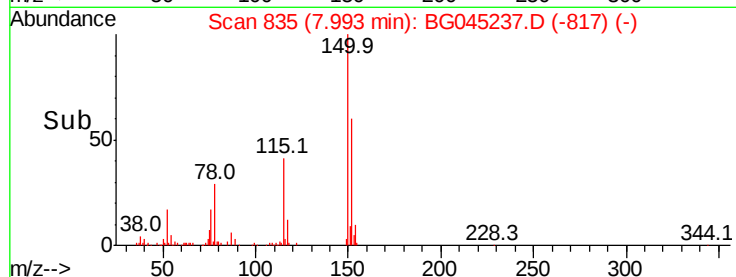
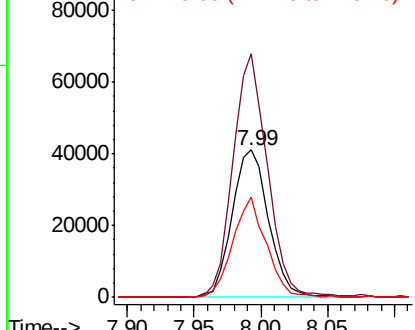
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.99 min Scan# 835
Delta R.T. 0.01 min
Lab File: BG045237.D
Acq: 4 May 2020 17:11

Instrument :
BNA_G
ClientSampleId :
FK-0D015-03-015

Tot Ion:152 Resp: 77990
Ion Ratio Lower Upper
152 100
150 165.5 123.6 185.4
115 68.1 49.1 73.7



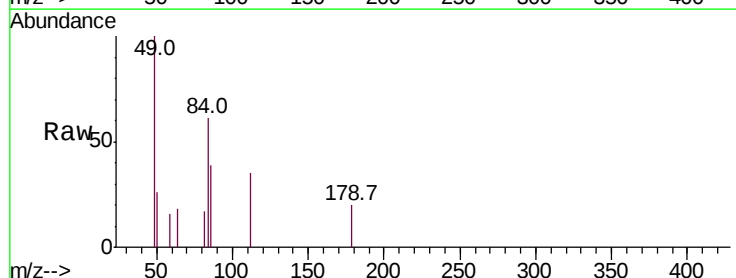
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



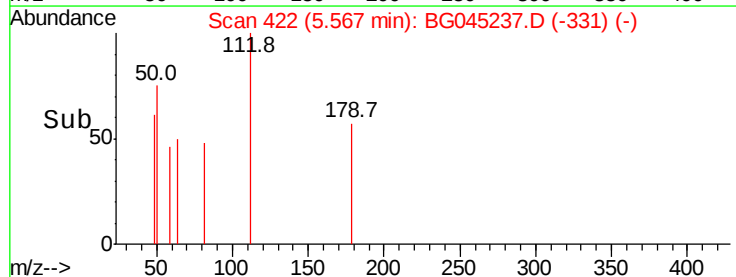
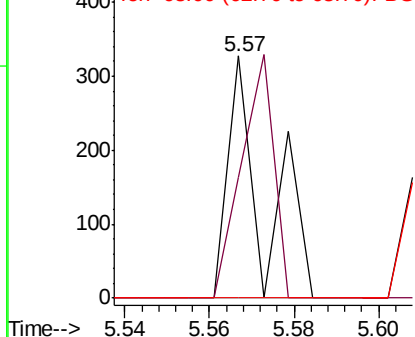
#5

2-Fluorophenol
Concen: 0.041 ng
RT: 5.57 min Scan# 422
Delta R.T. 0.01 min
Lab File: BG045237.D
Acq: 4 May 2020 17:11

Tgt Ion:112 Resp: 195
Ion Ratio Lower Upper
112 100
64 49.8 42.4 63.6
63 0.0 23.1 34.7#



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





#7

Phenol-d6

Concen: 2.335 ng

RT: 7.16 min Scan# 694

Delta R.T. 0.01 min

Lab File: BG045237.D

Acq: 4 May 2020 17:11

Instrument :

BNA_G

ClientSampleId :

FK-0D015-03-015

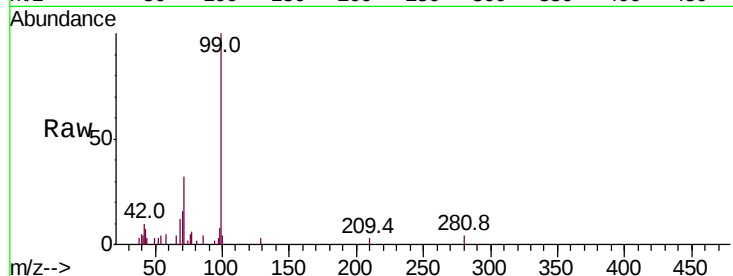
Tot Ion: 99 Resp: 16387

Ion Ratio Lower Upper

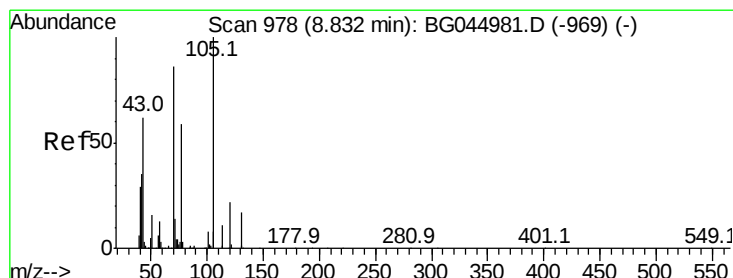
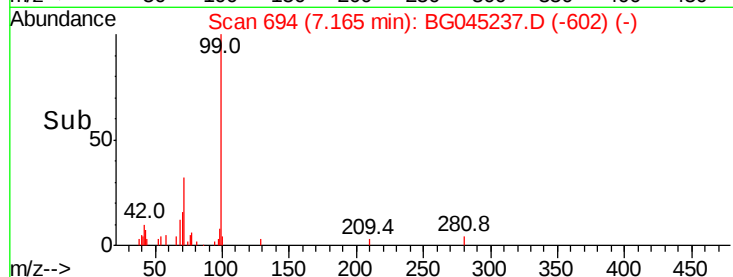
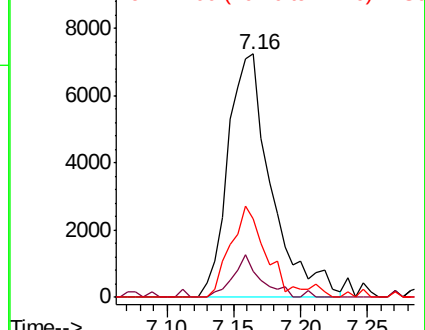
99 100

42 10.5 11.3 16.9#

71 32.0 28.3 42.5



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: 7.195 ng

RT: 9.14 min Scan# 1031

Delta R.T. 0.35 min

Lab File: BG045237.D

Acq: 4 May 2020 17:11

Tgt Ion: 70 Resp: 35711

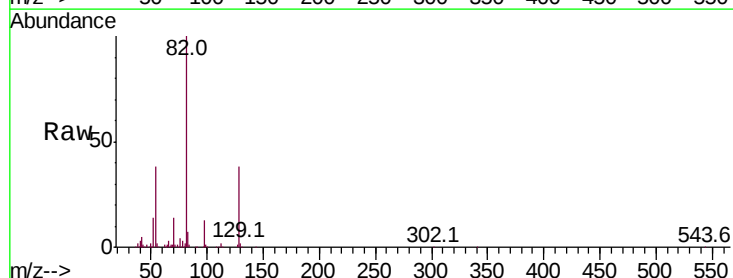
Ion Ratio Lower Upper

70 100

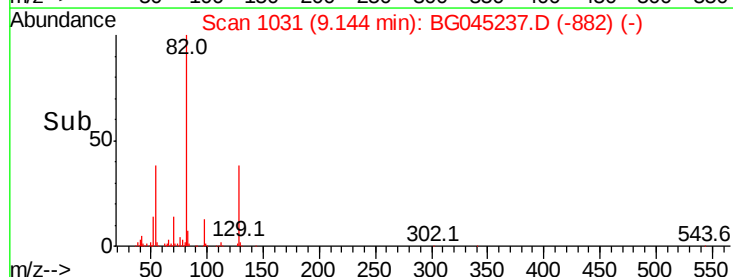
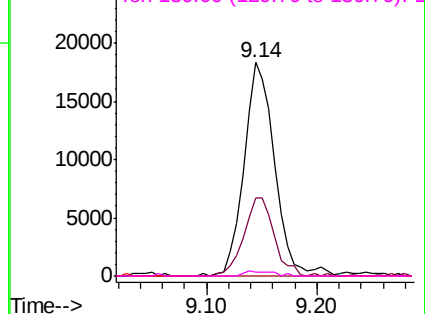
42 36.3 33.3 49.9

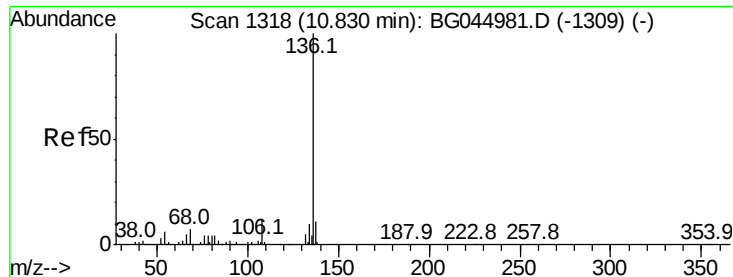
101 0.0 7.8 11.8#

130 1.5 15.8 23.6#



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

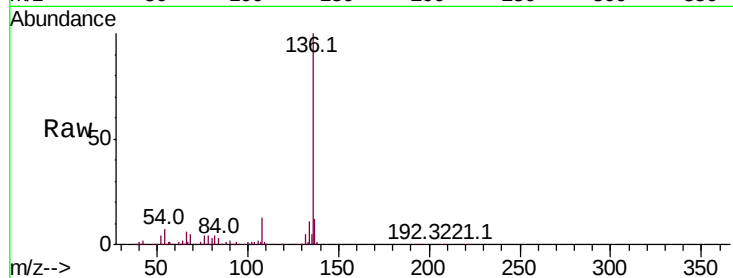




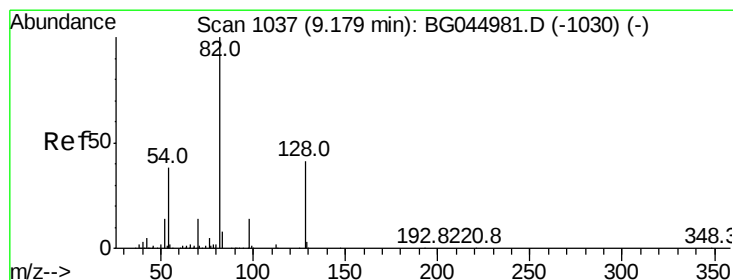
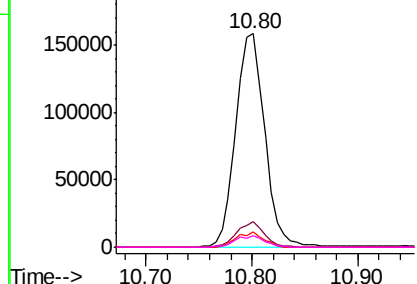
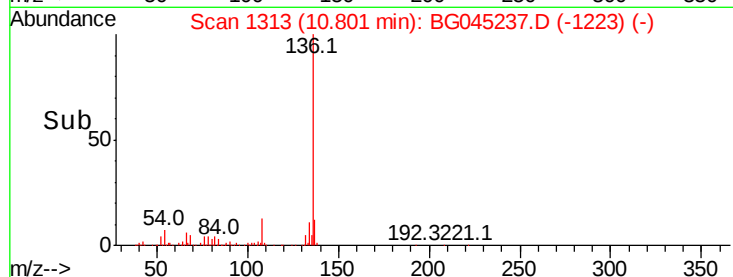
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.80 min Scan# 1313
Delta R.T. 0.00 min
Lab File: BG045237.D
Acq: 4 May 2020 17:11

Instrument :
BNA_G
ClientSampleId :
FK-0D015-03-015

Tot Ion:136	Resp:	301619
Ion Ratio	Lower	Upper
136 100		
137 11.8	8.6	13.0
54 7.1	4.8	7.2
68 5.3	5.2	7.8

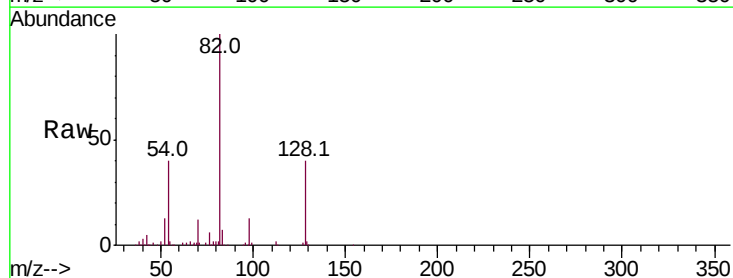


Abundance Ion 136.00 (135.70 to 136.70): E
250000
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

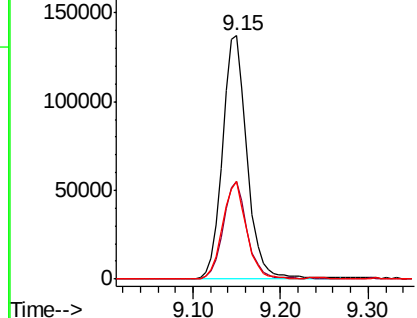
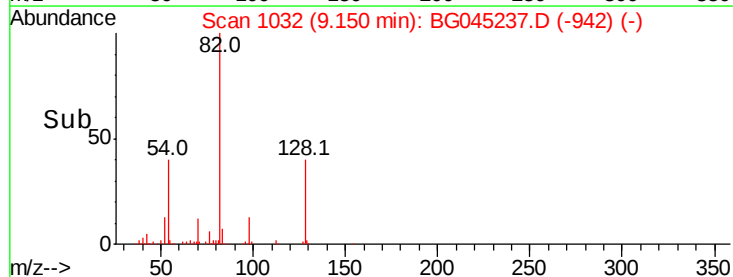


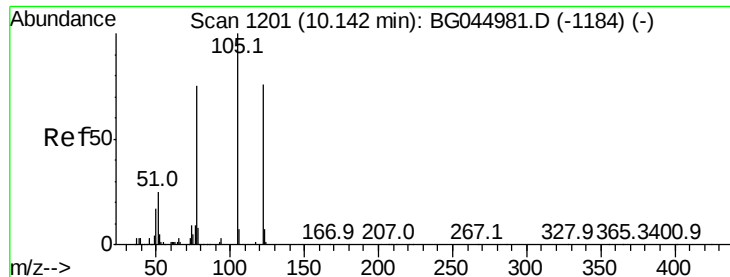
#23
Nitrobenzene-d5
Concen: 40.341 ng
RT: 9.15 min Scan# 1032
Delta R.T. 0.00 min
Lab File: BG045237.D
Acq: 4 May 2020 17:11

Tgt Ion: 82	Resp: 266662
Ion Ratio	Lower Upper
82 100	
128 40.1	33.0 49.4
54 39.9	30.4 45.6



Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BGC





#32

Benzoic acid

Concen: 6.394 ng

RT: 10.10 min Scan# 1193

Delta R.T. -0.02 min

Lab File: BG045237.D

Acq: 4 May 2020 17:11

Instrument :

BNA_G

ClientSampleId :

FK-0D015-03-015

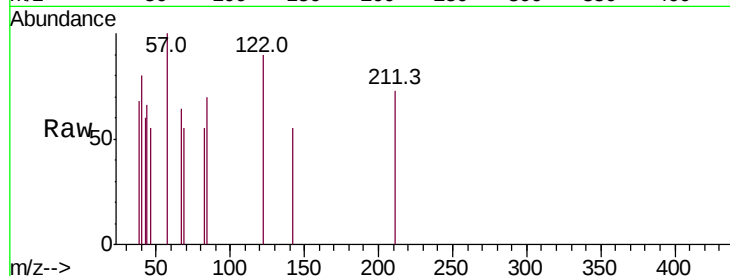
Tot Ion:122 Resp: 88

Ion Ratio Lower Upper

122 100

105 0.0 108.4 148.4#

77 0.0 78.8 118.8#



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BGC

10.10

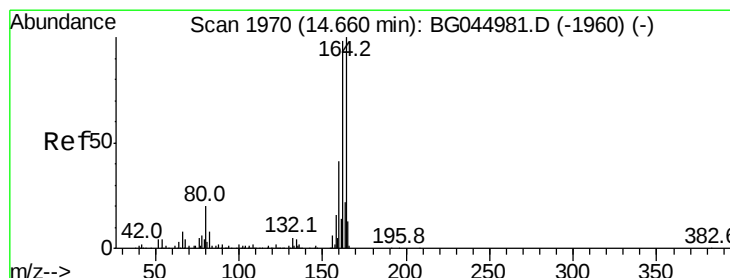
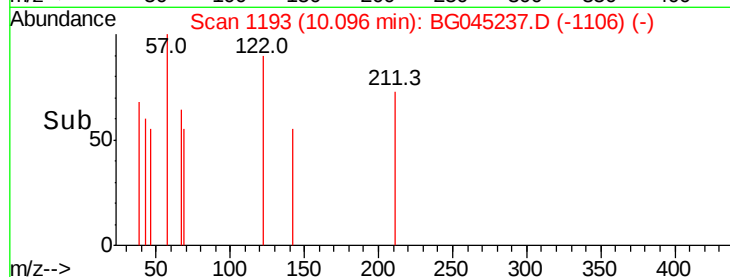
200

100

0

10.08 10.10

Time-->



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.63 min Scan# 1965

Delta R.T. 0.00 min

Lab File: BG045237.D

Acq: 4 May 2020 17:11

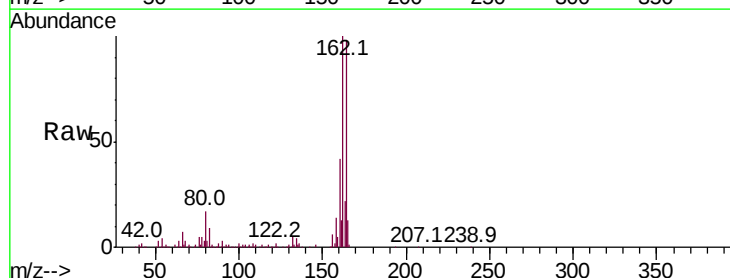
Tgt Ion:164 Resp: 213164

Ion Ratio Lower Upper

164 100

162 101.6 78.7 118.1

160 42.6 32.8 49.2



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

14.63

150000

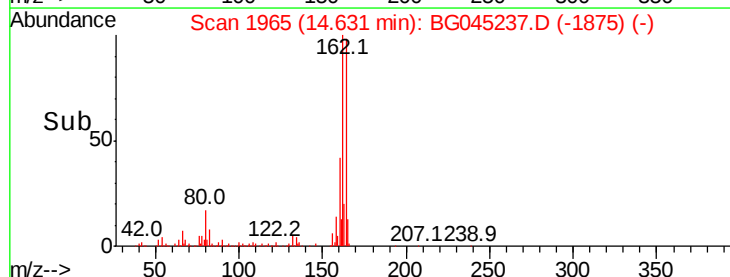
100000

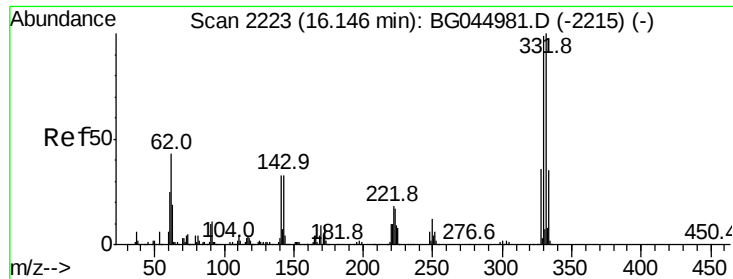
50000

0

14.55 14.60 14.65 14.70

Time-->

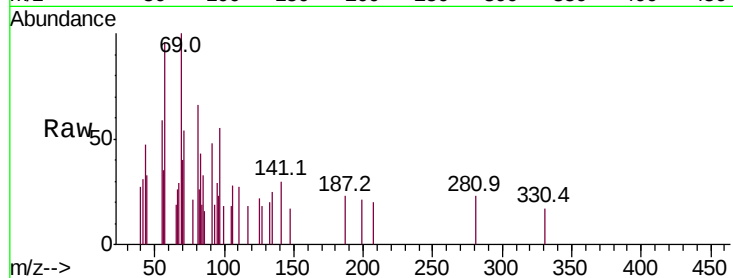




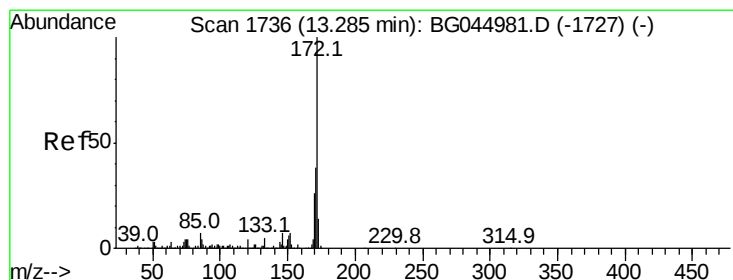
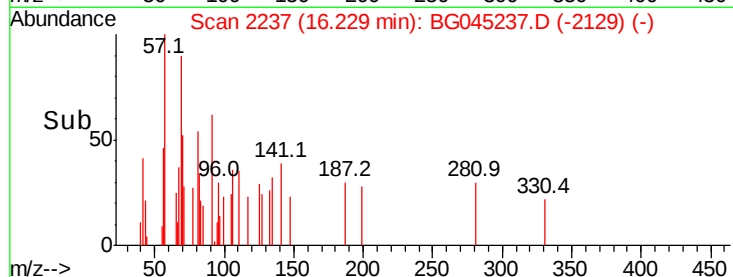
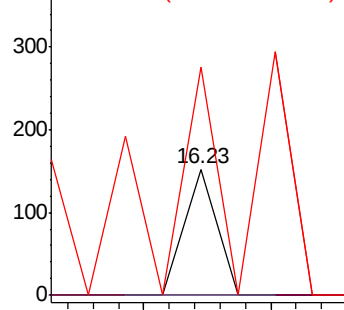
#42
 2,4,6-Tribromophenol
 Concen: 0.016 ng
 RT: 16.23 min Scan# 2237
 Delta R.T. 0.11 min
 Lab File: BG045237.D
 Acq: 4 May 2020 17:11

Instrument :
 BNA_G
 ClientSampleId :
 FK-0D015-03-015

Tot Ion:330 Resp: 54
 Ion Ratio Lower Upper
 330 100
 332 0.0 79.1 118.7#
 141 125.9 27.1 40.7#

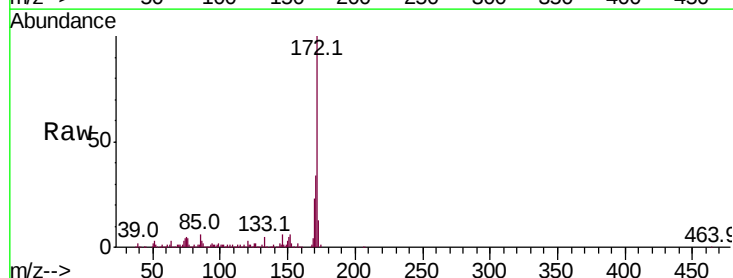


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

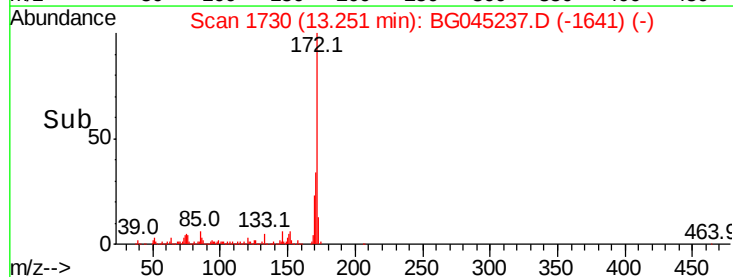
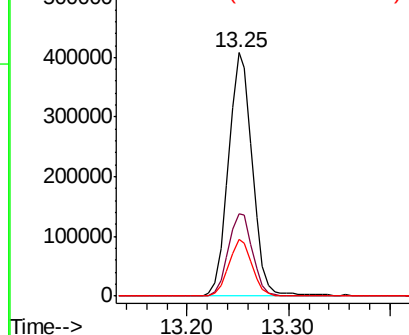


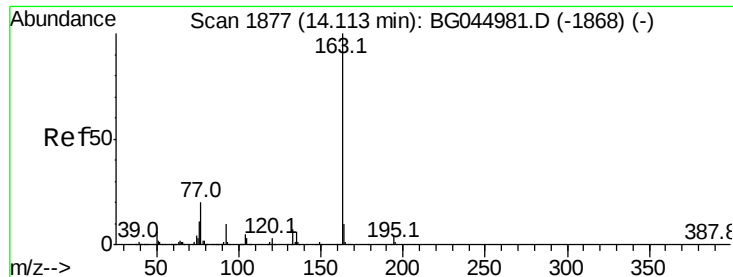
#45
 2-Fluorobiphenyl
 Concen: 45.916 ng
 RT: 13.25 min Scan# 1730
 Delta R.T. -0.01 min
 Lab File: BG045237.D
 Acq: 4 May 2020 17:11

Tgt Ion:172 Resp: 667500
 Ion Ratio Lower Upper
 172 100
 171 34.0 30.6 46.0
 170 23.4 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

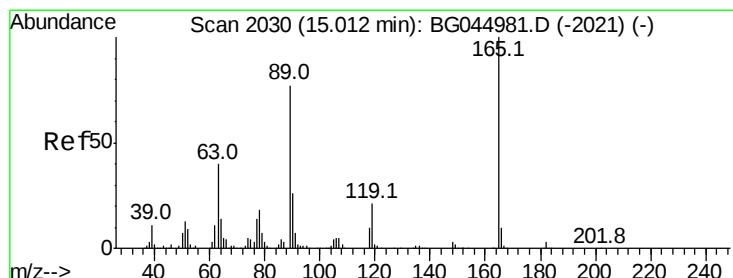
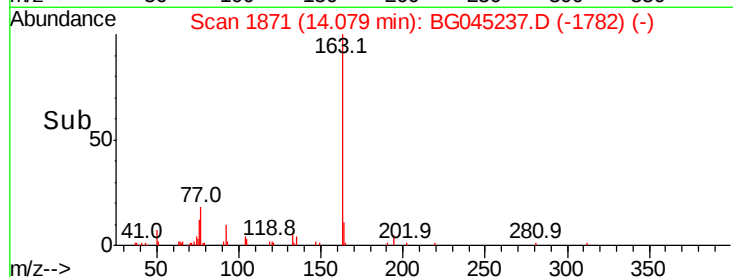
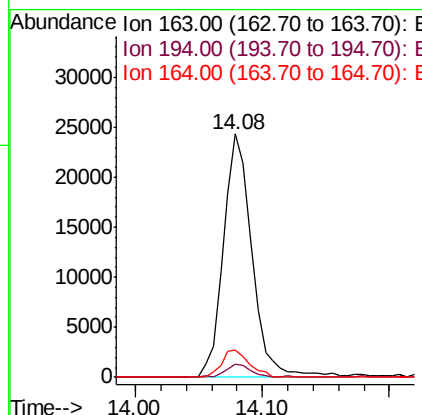
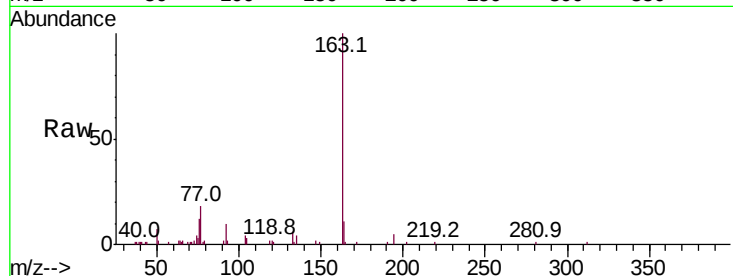




#50
Dimethylphthalate
Concen: 2.193 ng
RT: 14.08 min Scan# 1871
Delta R.T. -0.01 min
Lab File: BG045237.D
Acq: 4 May 2020 17:11

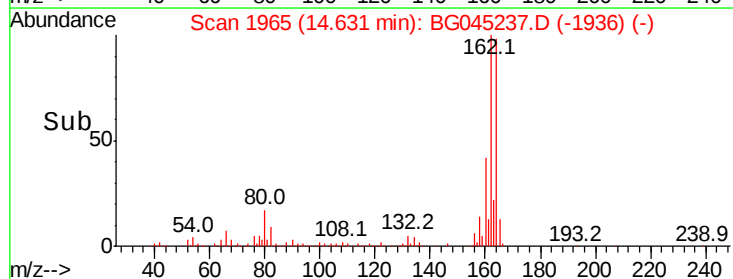
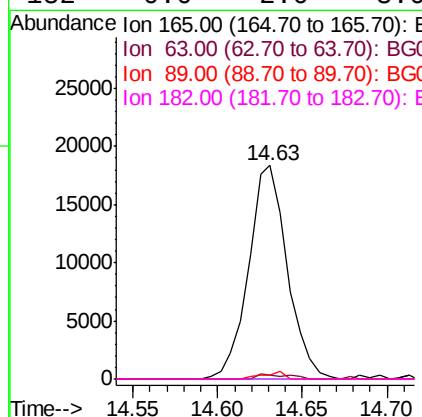
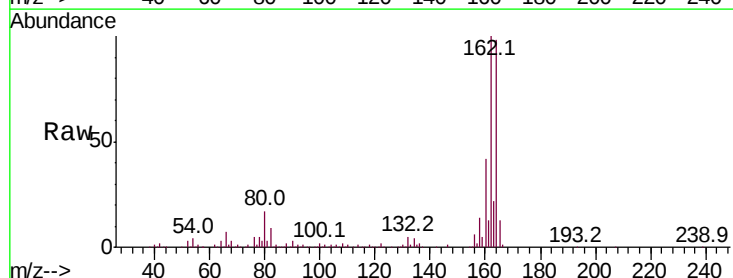
Instrument :
BNA_G
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FK-0D015-03-015

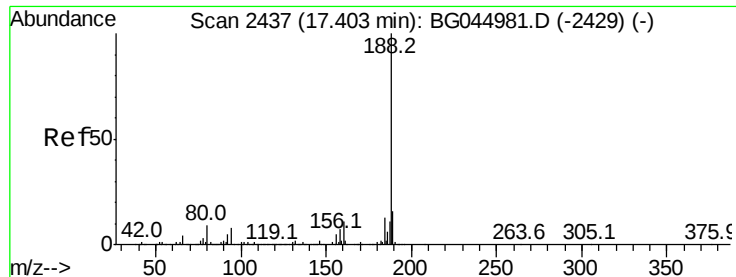
Tot Ion	Ratio	Lower	Upper
163	100		
194	5.2	3.5	5.3
164	11.1	8.2	12.4



#57
2,4-Dinitrotoluene
Concen: 5.157 ng
RT: 14.63 min Scan# 1965
Delta R.T. -0.36 min
Lab File: BG045237.D
Acq: 4 May 2020 17:11

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.7	32.2	48.2#
89	2.0	61.7	92.5#
182	0.0	2.0	3.0#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.38 min Scan# 2433

Delta R.T. 0.00 min

Lab File: BG045237.D

Acq: 4 May 2020 17:11

Instrument :

BNA_G

ClientSampleId :

FK-0D015-03-015

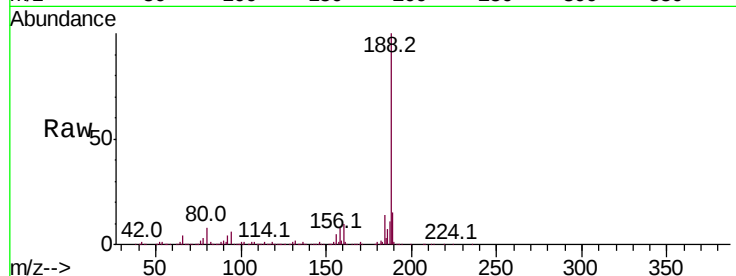
Tot Ion:188 Resp: 473036

Ion Ratio Lower Upper

188 100

94 6.4 6.2 9.4

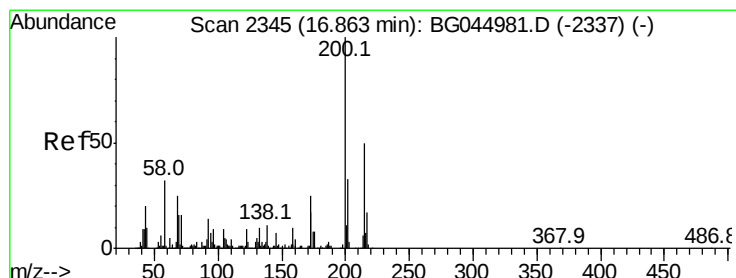
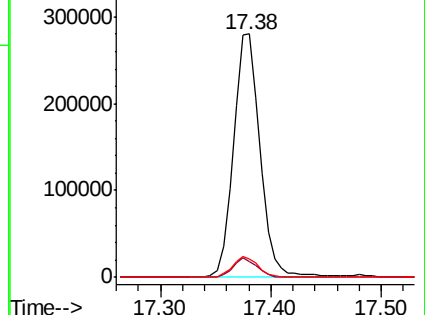
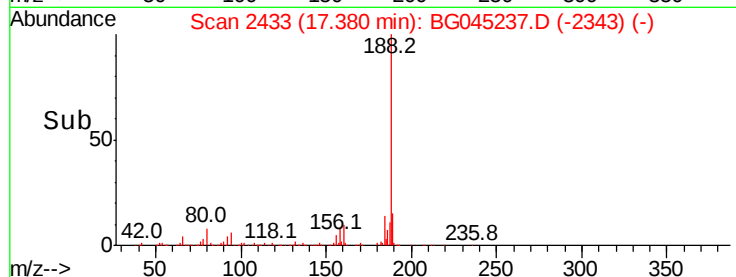
80 7.6 7.0 10.6



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG

Ion 80.00 (79.70 to 80.70): BG



#69

Atrazine

Concen: Below Cal

RT: 16.86 min Scan# 2344

Delta R.T. 0.02 min

Lab File: BG045237.D

Acq: 4 May 2020 17:11

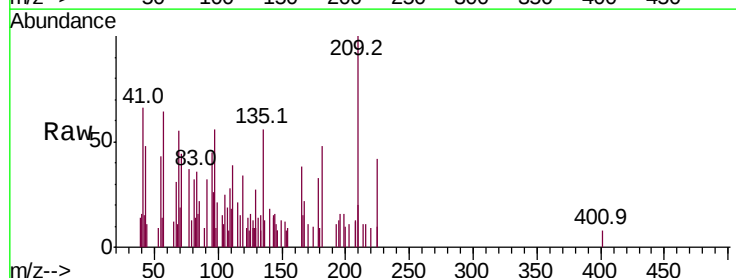
Tgt Ion:200 Resp: 68

Ion Ratio Lower Upper

200 100

173 0.0 4.5 44.5#

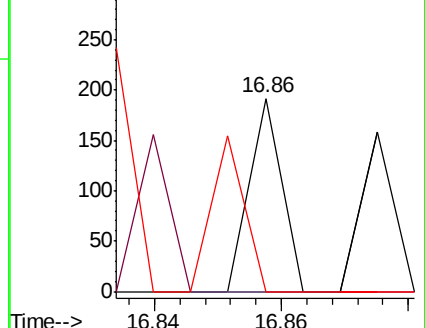
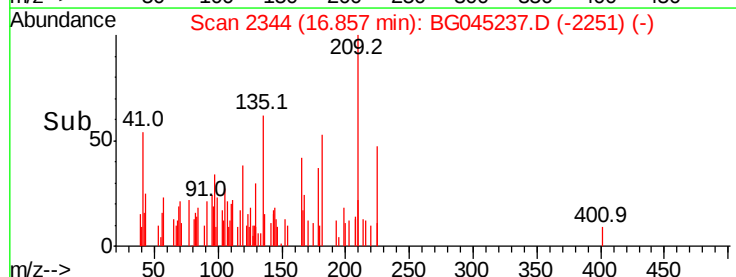
215 0.0 30.0 70.0#

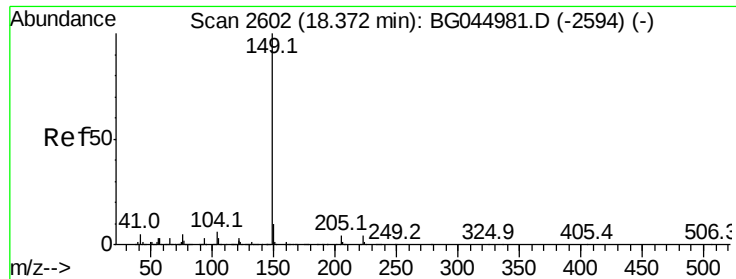


Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E





#74

Di-n-butylphthalate

Concen: Below Cal

RT: 18.34 min Scan# 2597

Delta R.T. 0.00 min

Lab File: BG045237.D

Acq: 4 May 2020 17:11

Instrument :

BNA_G

ClientSampleId :

FK-0D015-03-015

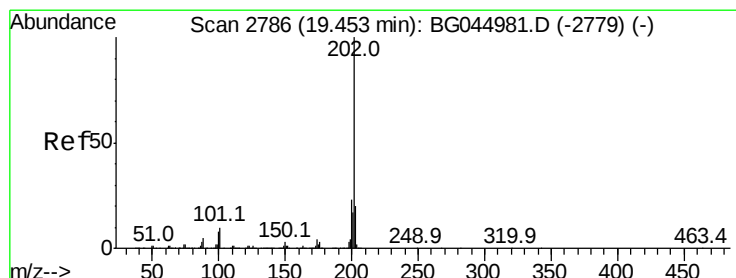
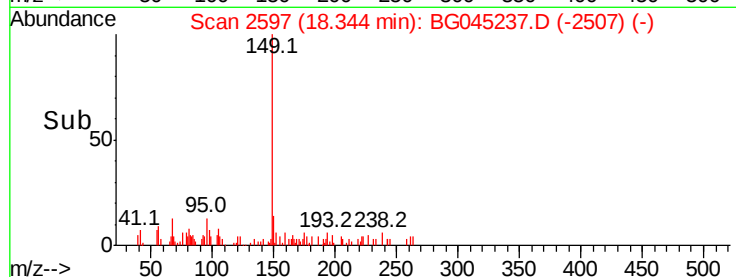
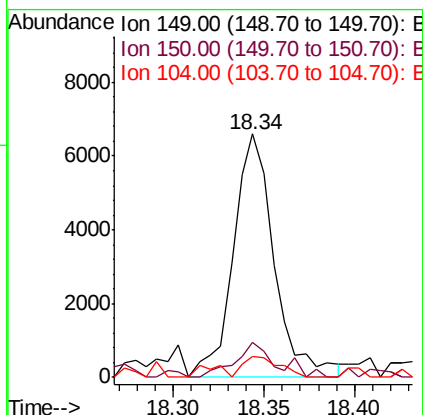
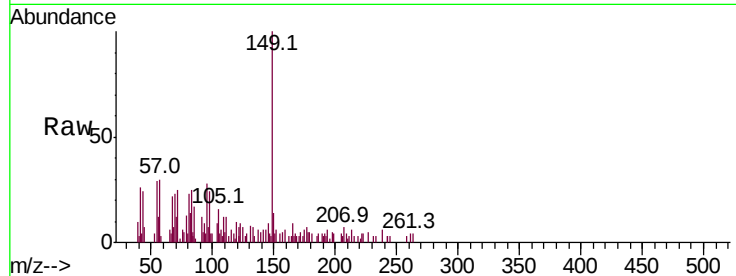
Tot Ion:149 Resp: 10384

Ion Ratio Lower Upper

149 100

150 14.5 8.2 12.2#

104 8.6 4.8 7.2#



#75

Fluoranthene

Concen: Below Cal

RT: 19.42 min Scan# 2781

Delta R.T. -0.01 min

Lab File: BG045237.D

Acq: 4 May 2020 17:11

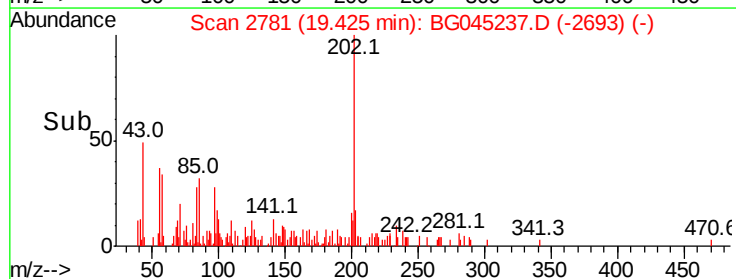
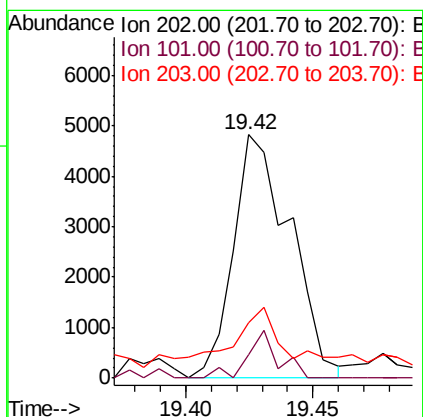
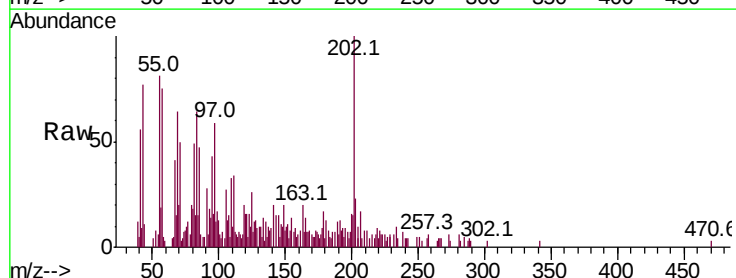
Tgt Ion:202 Resp: 7547

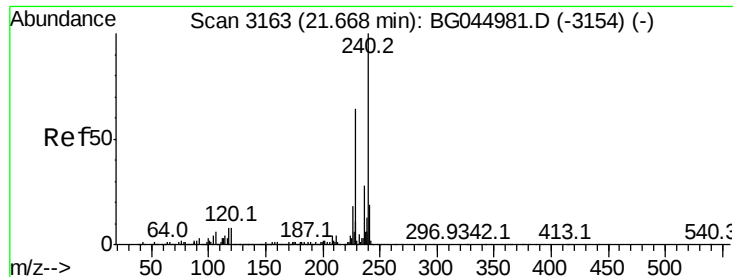
Ion Ratio Lower Upper

202 100

101 9.5 0.0 29.6

203 22.9 0.0 39.7





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.65 min Scan# 3159

Delta R.T. 0.00 min

Lab File: BG045237.D

Acq: 4 May 2020 17:11

Instrument :

BNA_G

ClientSampleId :

FK-0D015-03-015

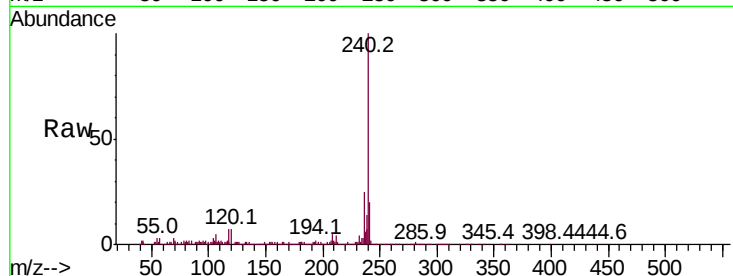
Tot Ion:240 Resp: 421498

Ion Ratio Lower Upper

240 100

120 6.9 6.6 10.0

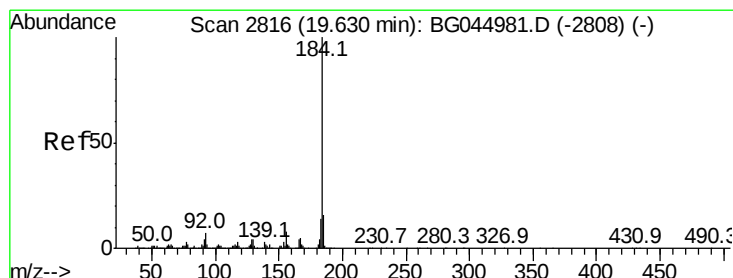
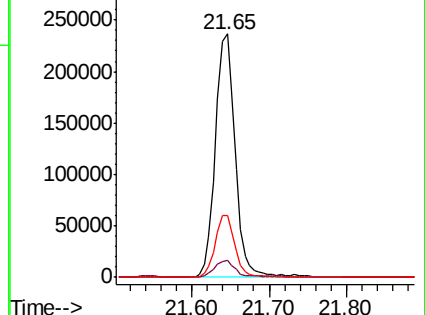
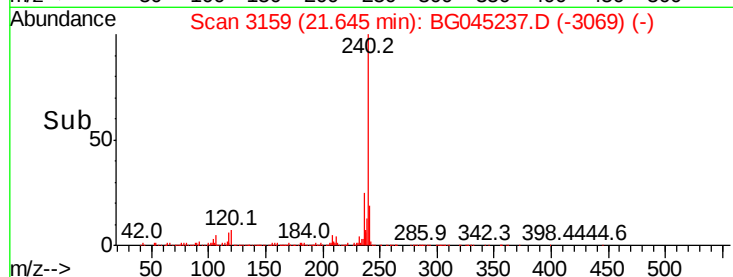
236 25.2 22.2 33.2



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: 19.99 min Scan# 2877

Delta R.T. 0.38 min

Lab File: BG045237.D

Acq: 4 May 2020 17:11

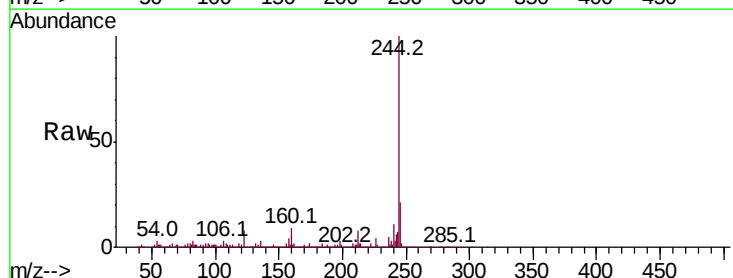
Tgt Ion:184 Resp: 19200

Ion Ratio Lower Upper

184 100

185 20.1 12.6 19.0#

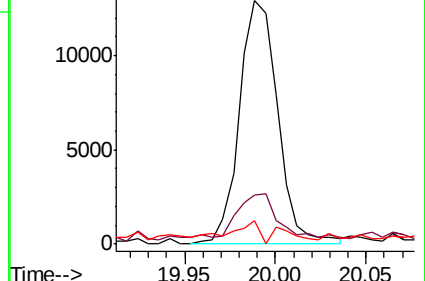
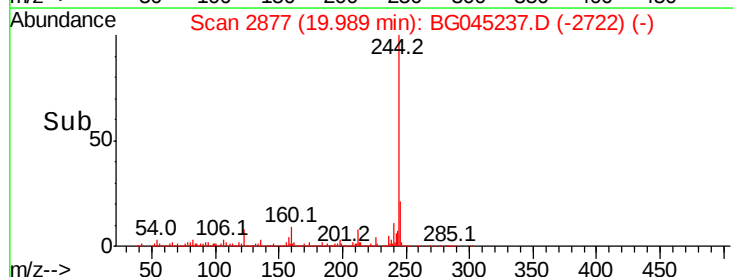
183 9.8 11.3 16.9#

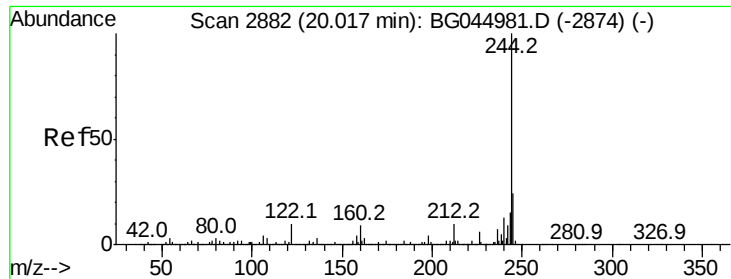


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#79

Terphenyl-d14

Concen: 53.220 ng

RT: 19.99 min Scan# 2877

Delta R.T. -0.01 min

Lab File: BG045237.D

Acq: 4 May 2020 17:11

Instrument :

BNA_G

ClientSampleId :

FK-0D015-03-015

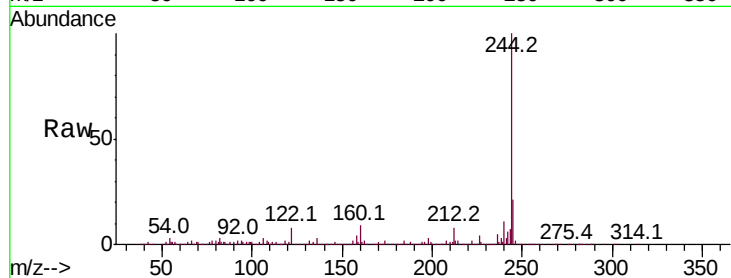
Tot Ion:244 Resp: 1029210

Ion	Ratio	Lower	Upper
244	100		
212	8.4	7.9	11.9
122	7.8	7.7	11.5

244 100

212 8.4 7.9 11.9

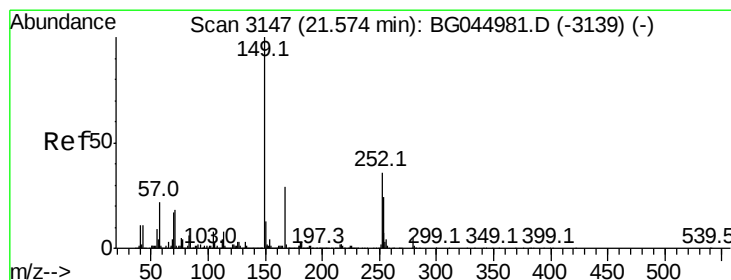
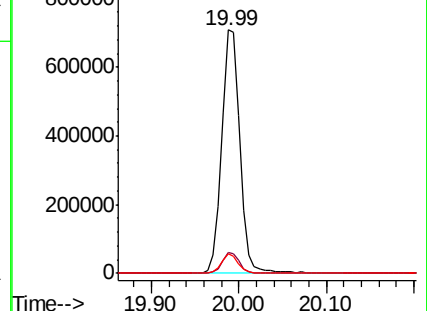
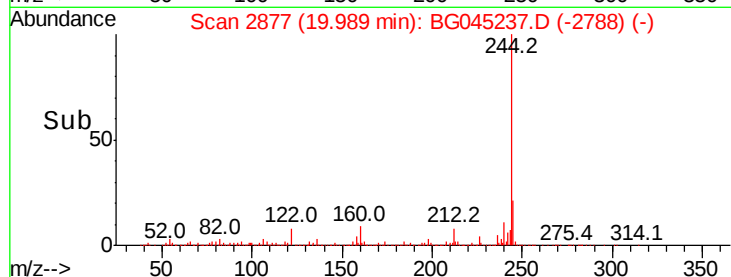
122 7.8 7.7 11.5



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: 99.357 ng

RT: 21.55 min Scan# 3142

Delta R.T. 0.00 min

Lab File: BG045237.D

Acq: 4 May 2020 17:11

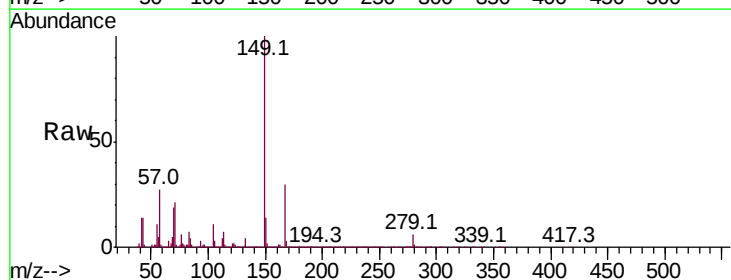
Tgt Ion:149 Resp: 1645955

Ion	Ratio	Lower	Upper
149	100		
167	30.5	23.4	35.0
279	6.3	4.3	6.5

149 100

167 30.5 23.4 35.0

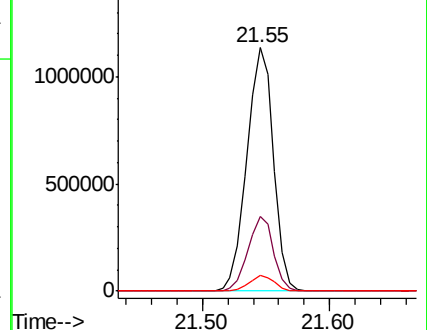
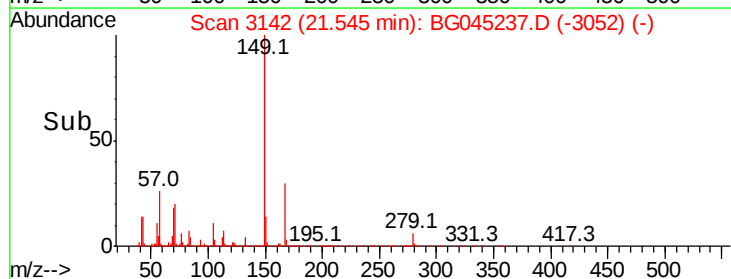
279 6.3 4.3 6.5

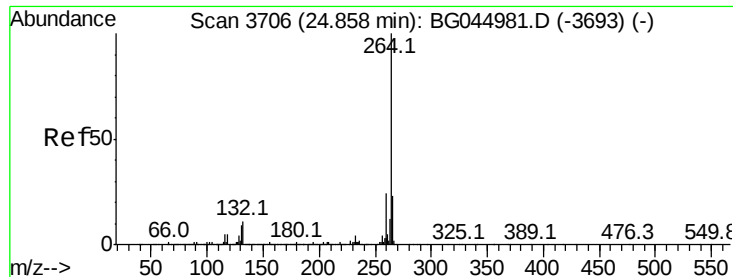


Abundance Ion 149.00 (148.70 to 149.70): E

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: 24.82 min Scan# 3699
Delta R.T. -0.01 min
Lab File: BG045237.D
Acq: 4 May 2020 17:11

Instrument :
BNA_G
ClientSampleId :
FK-0D015-03-015

Tot Ion:	264	Resp:	468348
Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.2	28.8
265	22.6	19.0	28.4

