

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121817\
 Data File : BG031657.D
 Acq On : 19 Dec 2017 6:32
 Operator : SJ/JU
 Sample : I6940-03
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Dec 19 08:10:11 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG121117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 11 17:25:55 2017
 Response via : Initial Calibration

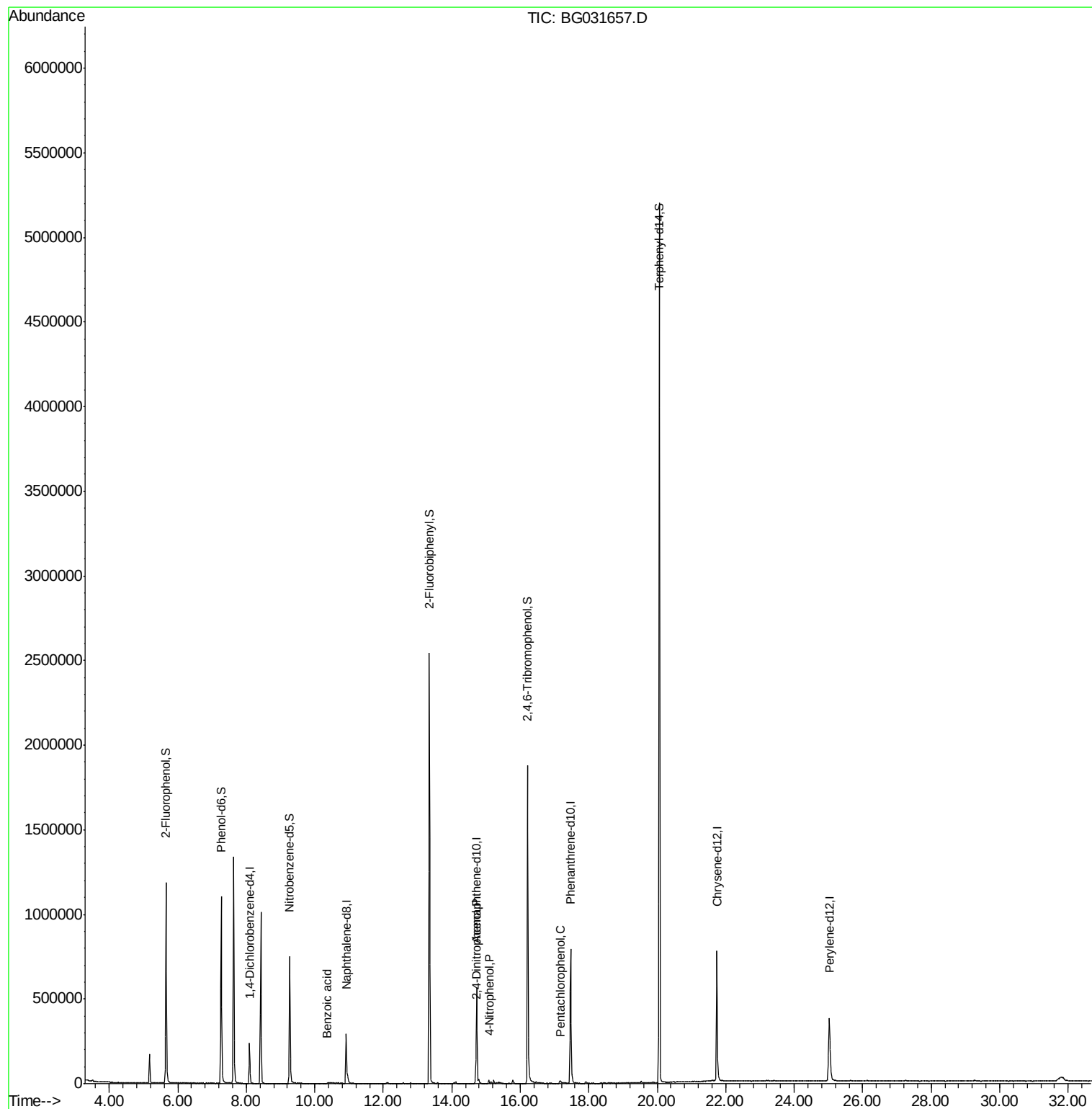
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.09	152	75775	20.00	ng	-0.01
21) Naphthalene-d8	10.91	136	325782	20.00	ng	0.00
38) Acenaphthene-d10	14.73	164	221123	20.00	ng	0.00
63) Phenanthrene-d10	17.47	188	570717	20.00	ng	0.00
75) Chrysene-d12	21.74	240	586887	20.00	ng	0.00
86) Perylene-d12	25.03	264	503545	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.65	112	602754	141.00	ng	-0.01
7) Phenol-d6	7.26	99	735138	123.87	ng	0.00
23) Nitrobenzene-d5	9.27	82	500321	94.66	ng	0.00
41) 2,4,6-Tribromophenol	16.21	330	431190	166.45	ng	0.00
44) 2-Fluorobiphenyl	13.35	172	1459986	96.92	ng	0.00
78) Terphenyl-d14	20.06	244	2576164	99.87	ng	0.00
Target Compounds						
32) Benzoic acid	10.36	122	815	7.337	ng	# 50
53) 2,4-Dinitrophenol	14.70	184	59	9.083	ng	# 1
55) 4-Nitrophenol	15.09	139	188	3.609	ng	# 61
69) Pentachlorophenol	17.17	266	9921	8.460	ng	90

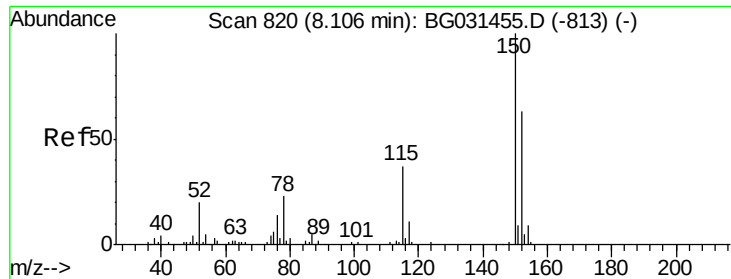
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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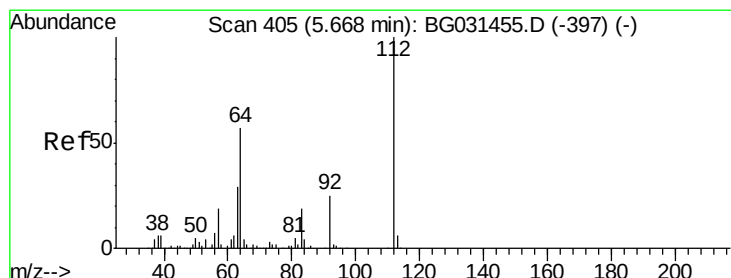
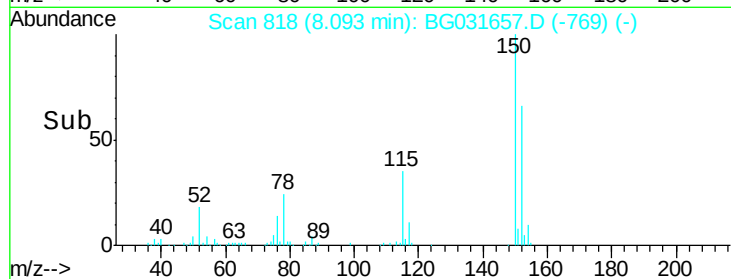
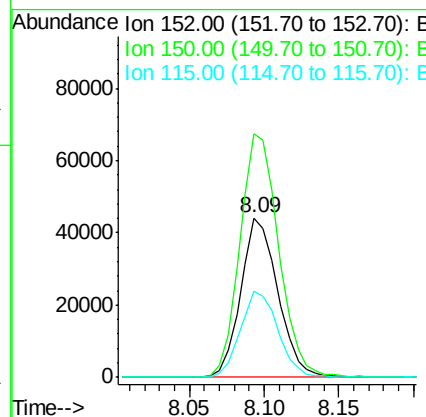
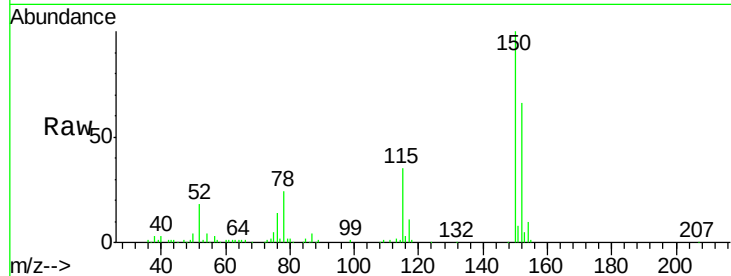


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.09 min Scan# 818
Delta R.T. -0.01 min
Lab File: BG031657.D
Acq: 19 Dec 2017 6:32

Instrument :
BNA_G
ClientSampleId :

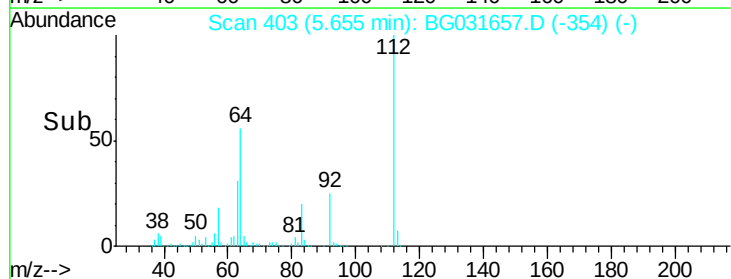
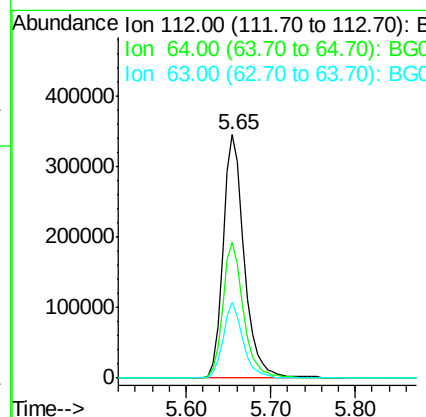
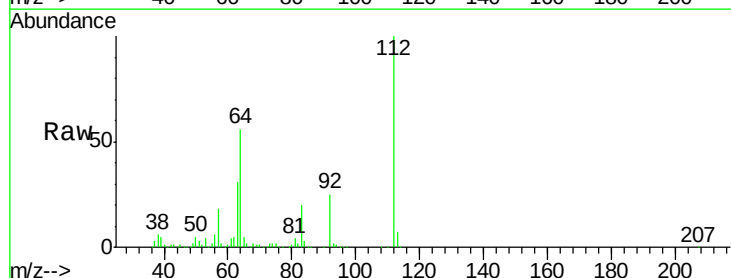
Tot Ion	152	Resp	75775
Ion Ratio	Lower	Upper	
152	100		
150	152.6	126.6	189.8
115	54.0	53.0	79.4

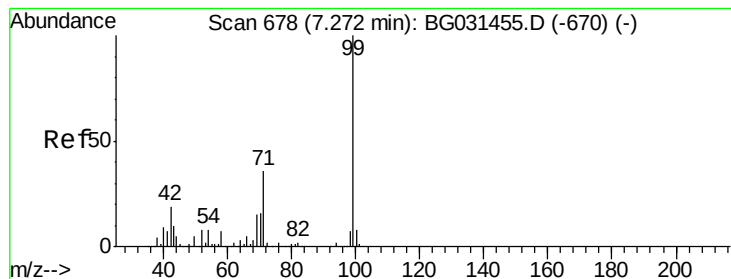


#5

2-Fluorophenol
Concen: 140.995 ng
RT: 5.65 min Scan# 403
Delta R.T. -0.01 min
Lab File: BG031657.D
Acq: 19 Dec 2017 6:32

Tgt Ion	112	Resp	602754
Ion Ratio	Lower	Upper	
112	100		
64	56.2	56.3	84.5#
63	30.9	30.1	45.1





#7

Phenol-d6

Concen: 123.871 ng

RT: 7.26 min Scan# 677

Delta R.T. -0.01 min

Lab File: BG031657.D

Acq: 19 Dec 2017 6:32

Instrument :

BNA_G

ClientSampled :

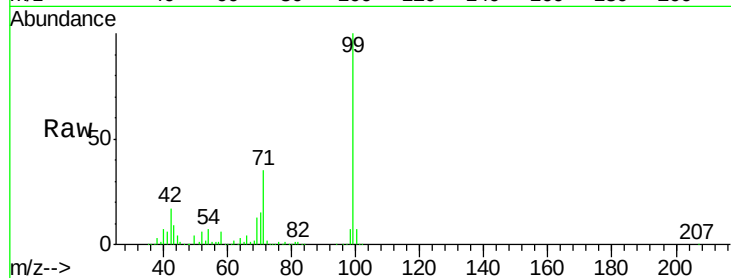
Tot Ion: 99 Resp: 735138

Ion Ratio Lower Upper

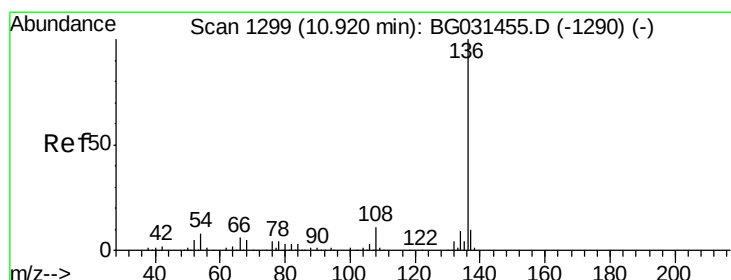
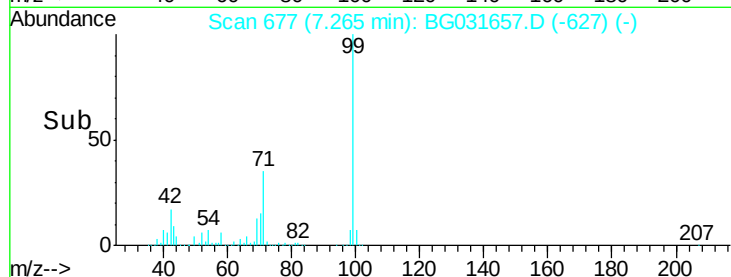
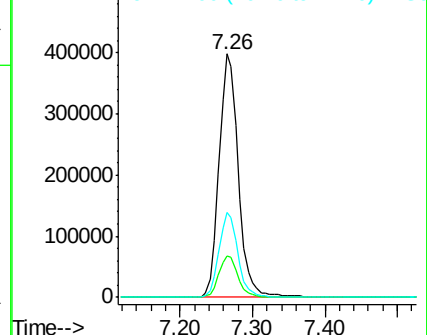
99 100

42 17.1 14.1 21.1

71 34.7 26.1 39.1



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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.91 min Scan# 1298

Delta R.T. -0.01 min

Lab File: BG031657.D

Acq: 19 Dec 2017 6:32

Tgt Ion: 136 Resp: 325782

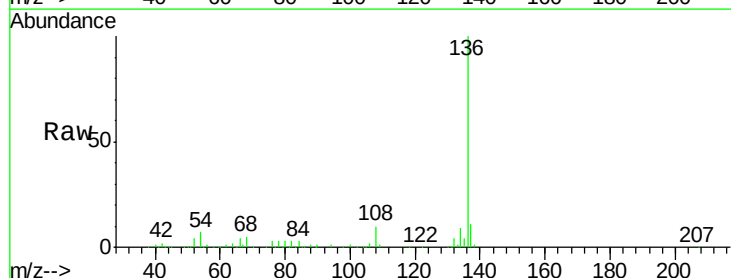
Ion Ratio Lower Upper

136 100

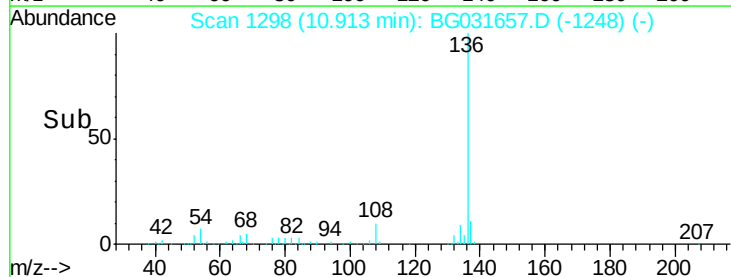
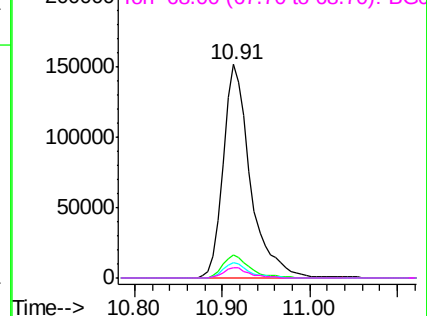
137 10.9 9.2 13.8

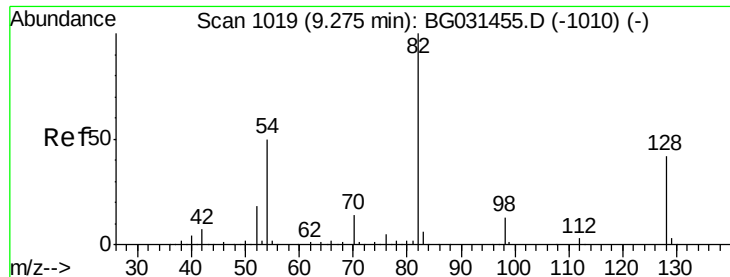
54 7.2 10.3 15.5#

68 4.5 4.5 6.7



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

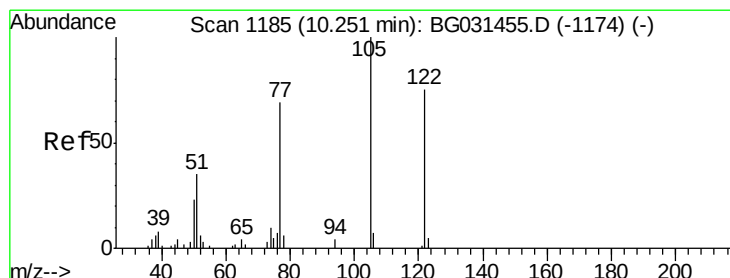
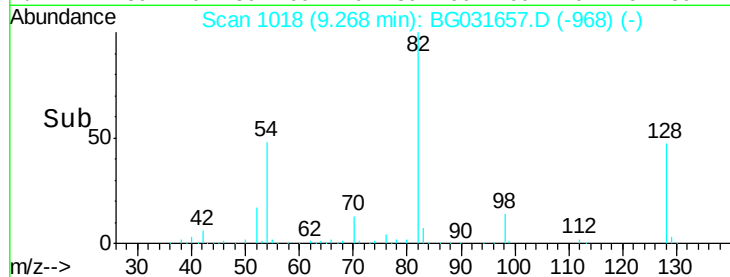
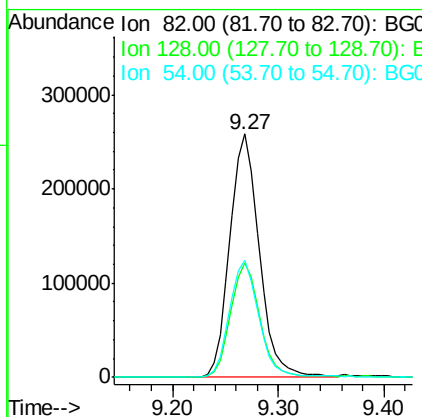
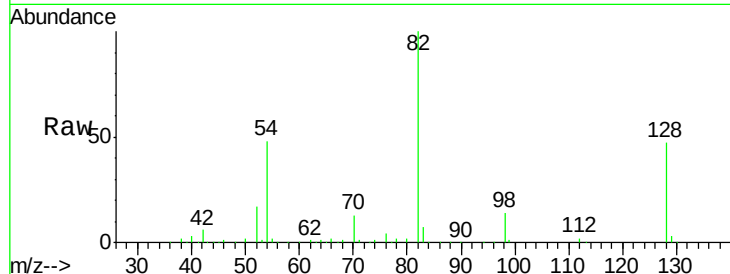




#23
 Nitrobenzene-d5
 Concen: 94.659 ng
 RT: 9.27 min Scan# 1018
 Delta R.T. -0.01 min
 Lab File: BG031657.D
 Acq: 19 Dec 2017 6:32

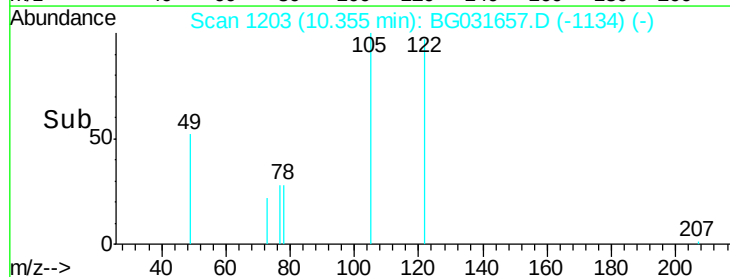
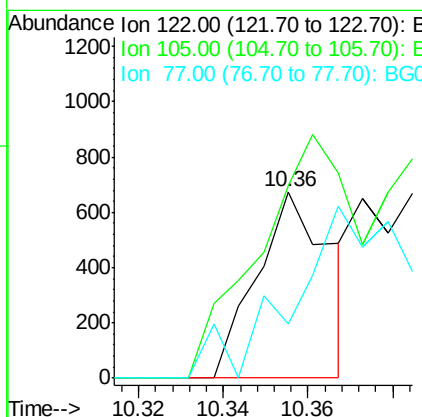
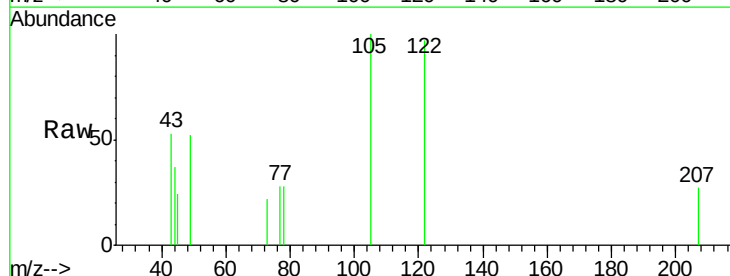
Instrument :
 BNA_G
 ClientSampleId :

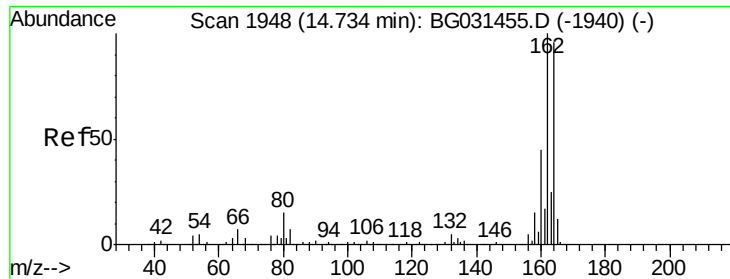
Tot Ion	82	Resp	500321
Ion Ratio	100	Lower	Upper
128	47.1	29.7	44.5#
54	48.3	43.1	64.7



#32
 Benzoic acid
 Concen: 7.337 ng
 RT: 10.36 min Scan# 1203
 Delta R.T. 0.11 min
 Lab File: BG031657.D
 Acq: 19 Dec 2017 6:32

Tgt Ion	122	Resp	815
Ion Ratio	100	Lower	Upper
105	103.4	123.5	163.5#
77	29.4	85.7	125.7#





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.73 min Scan# 1947

Delta R.T. -0.01 min

Lab File: BG031657.D

Acq: 19 Dec 2017 6:32

Instrument :

BNA_G

ClientSampleId :

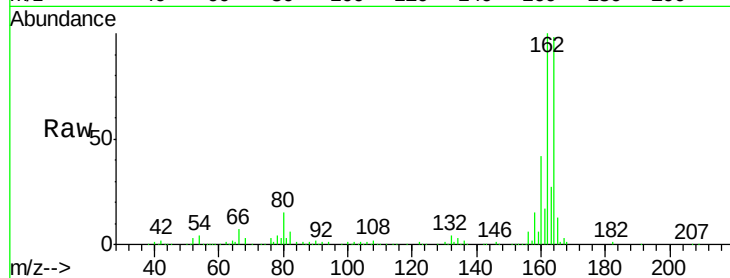
Tot Ion:164 Resp: 221123

Ion Ratio Lower Upper

164 100

162 101.9 78.8 118.2

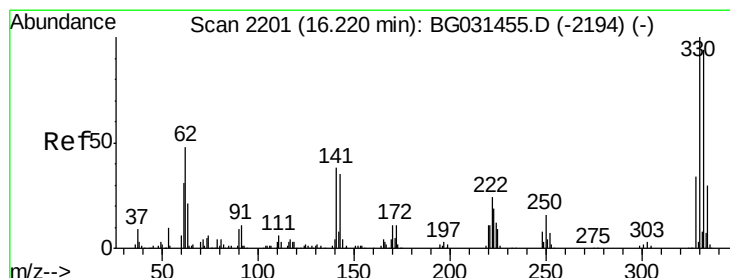
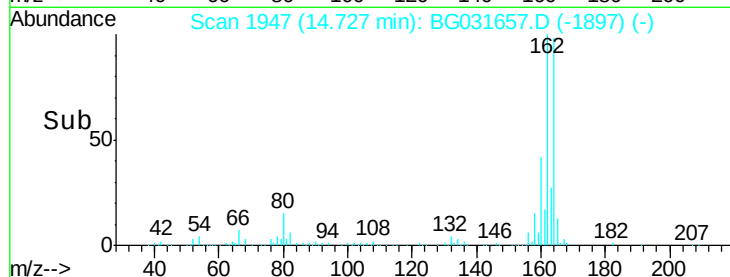
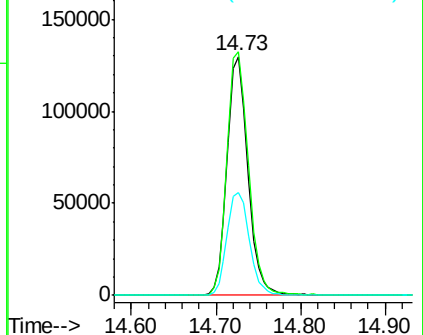
160 42.8 35.4 53.0



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



#41

2,4,6-Tribromophenol

Concen: 166.447 ng

RT: 16.21 min Scan# 2200

Delta R.T. -0.01 min

Lab File: BG031657.D

Acq: 19 Dec 2017 6:32

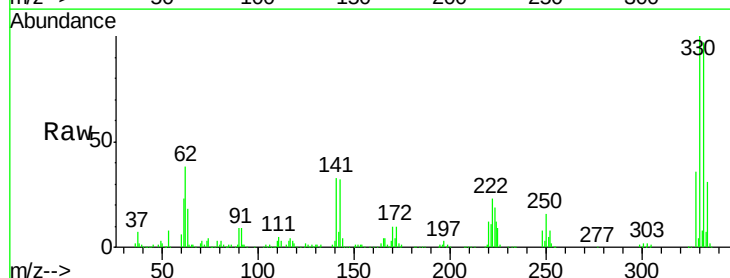
Tgt Ion:330 Resp: 431190

Ion Ratio Lower Upper

330 100

332 96.9 77.0 115.6

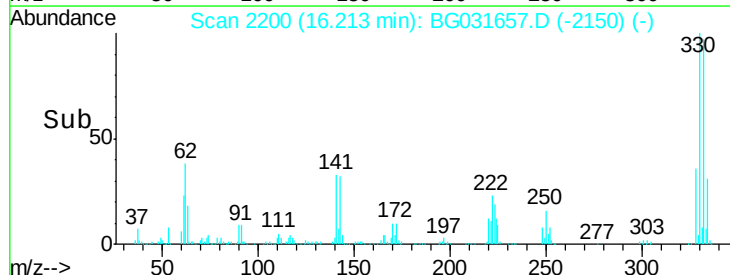
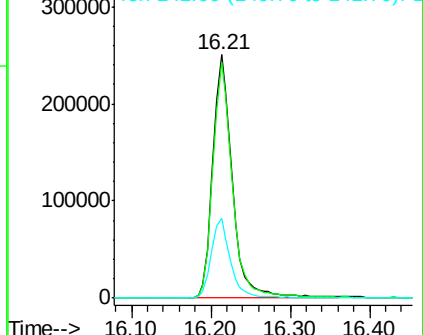
141 32.0 25.2 37.8

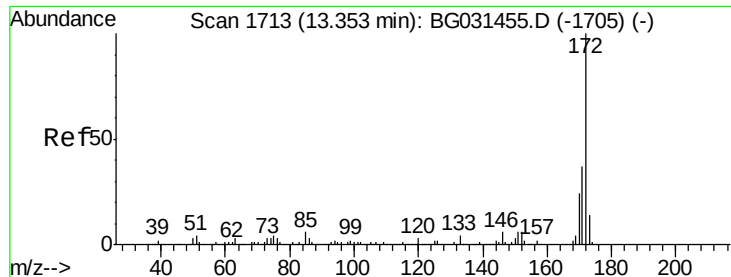


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

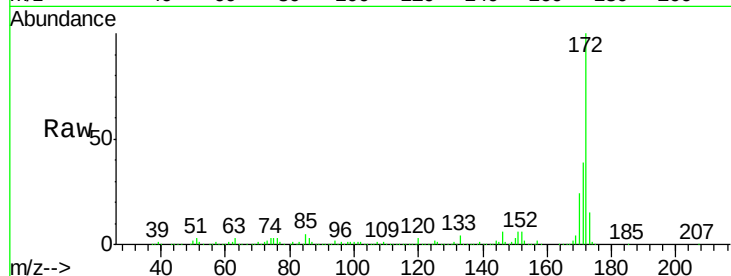




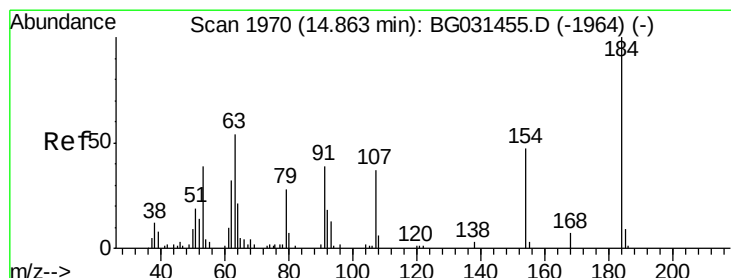
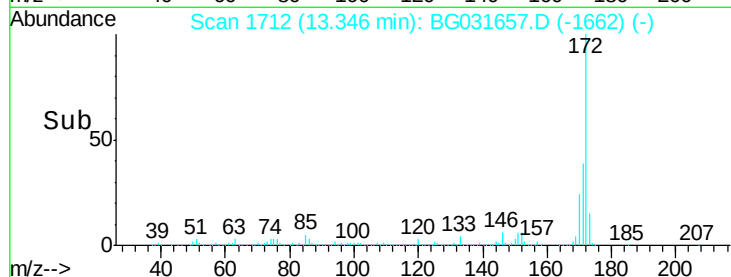
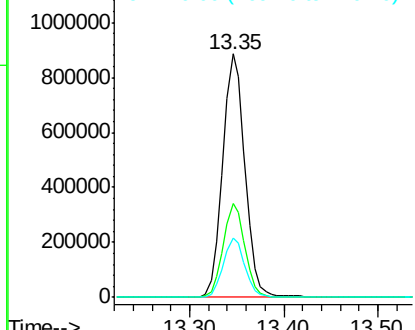
#44
2-Fluorobiphenyl
Concen: 96.918 ng
RT: 13.35 min Scan# 1712
Delta R.T. -0.01 min
Lab File: BG031657.D
Acq: 19 Dec 2017 6:32

Instrument :
BNA_G
ClientSampled :

Tot Ion:172 Resp: 1459986
Ion Ratio Lower Upper
172 100
171 38.6 30.0 45.0
170 24.5 19.5 29.3

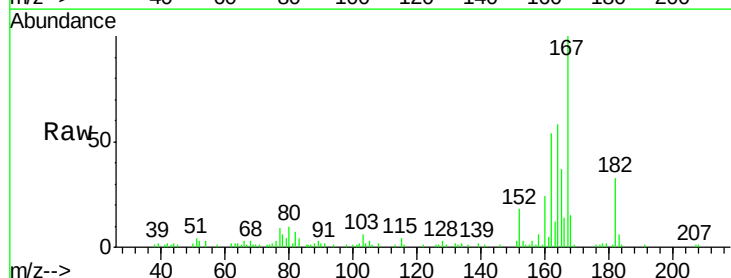


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

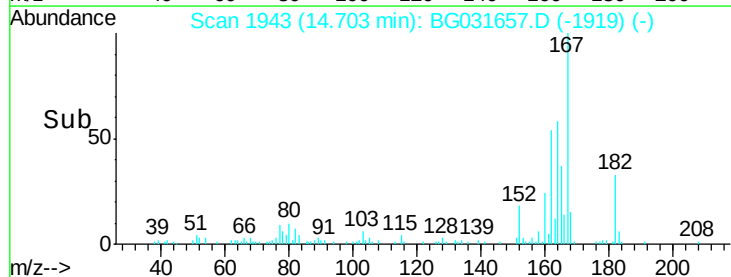
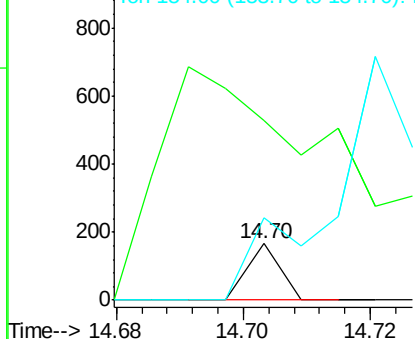


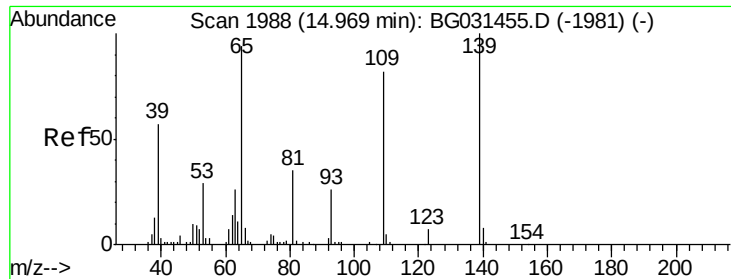
#53
2,4-Dinitrophenol
Concen: 9.083 ng
RT: 14.70 min Scan# 1943
Delta R.T. -0.16 min
Lab File: BG031657.D
Acq: 19 Dec 2017 6:32

Tgt Ion:184 Resp: 59
Ion Ratio Lower Upper
184 100
63 316.8 59.8 89.8#
154 144.9 101.8 152.8



Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BG0
Ion 154.00 (153.70 to 154.70): E





#55

4-Nitrophenol

Concen: 3.609 ng

RT: 15.09 min Scan# 2009

Delta R.T. 0.12 min

Lab File: BG031657.D

Acq: 19 Dec 2017 6:32

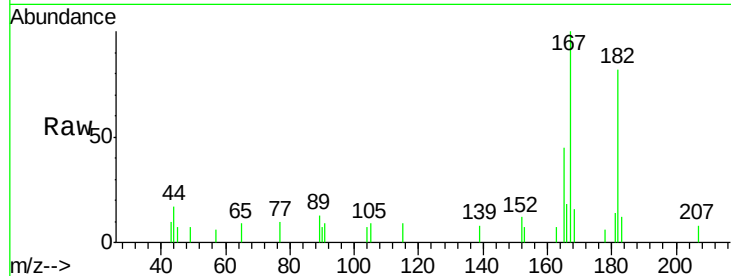
Instrument :

BNA_G

ClientSampleId :

Tot Ion:139 Resp: 188

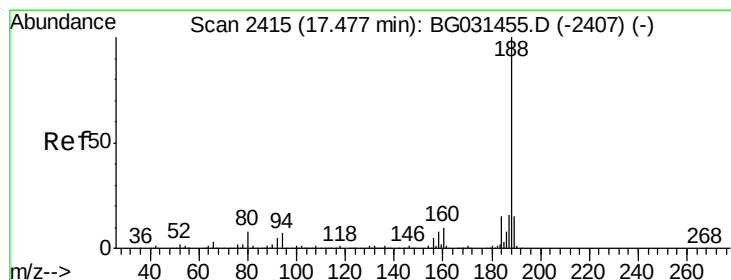
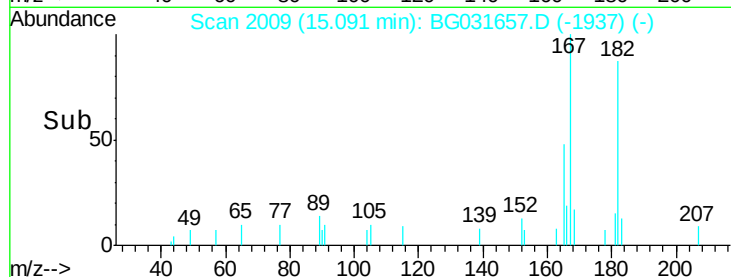
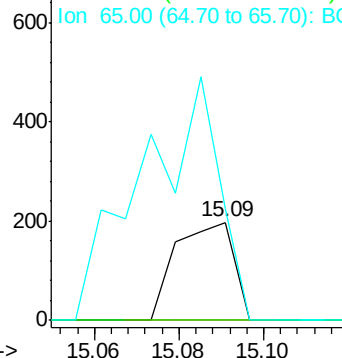
Ion	Ratio	Lower	Upper
139	100		
109	0.0	62.2	102.2#
65	114.7	97.2	137.2



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): BGC



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.47 min Scan# 2414

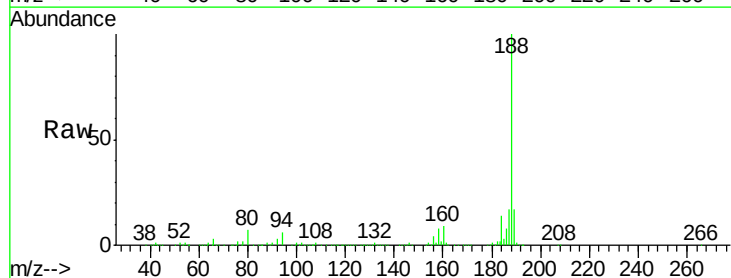
Delta R.T. -0.01 min

Lab File: BG031657.D

Acq: 19 Dec 2017 6:32

Tgt Ion:188 Resp: 570717

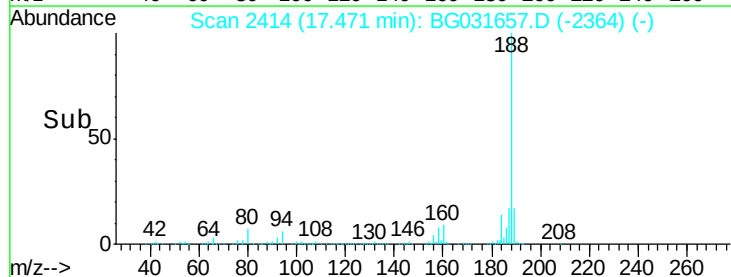
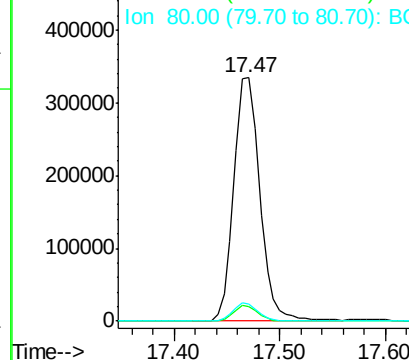
Ion	Ratio	Lower	Upper
188	100		
94	6.2	6.9	10.3#
80	6.8	7.7	11.5#

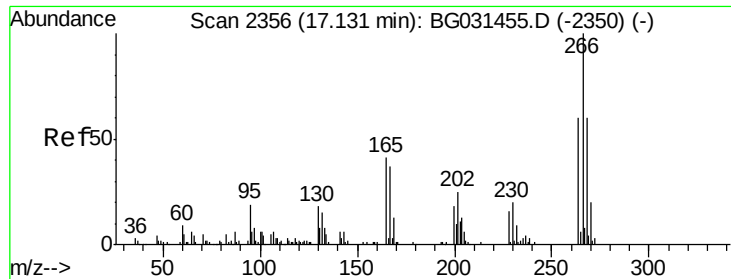


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

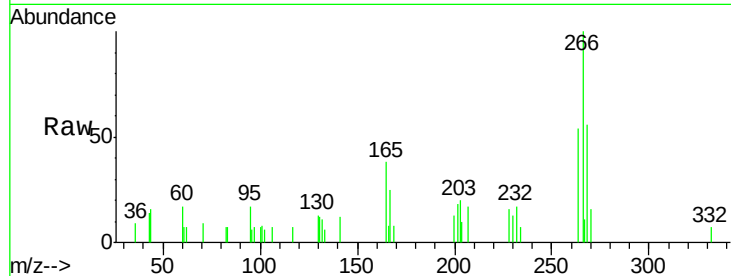




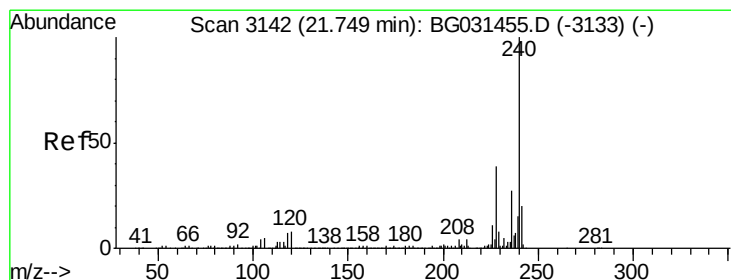
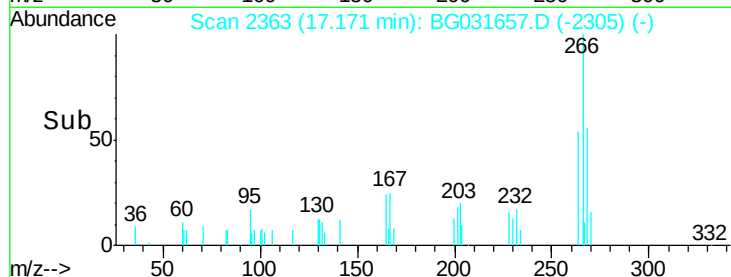
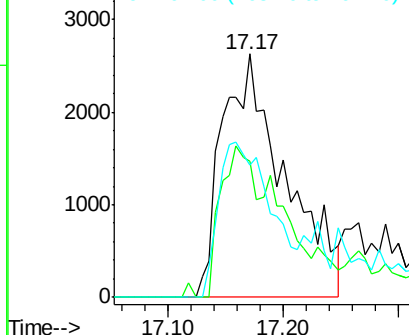
#69
 Pentachlorophenol
 Concen: 8.460 ng
 RT: 17.17 min Scan# 2363
 Delta R.T. 0.04 min
 Lab File: BG031657.D
 Acq: 19 Dec 2017 6:32

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:266 Resp: 9921
 Ion Ratio Lower Upper
 266 100
 268 55.7 51.1 76.7
 264 54.1 49.6 74.4

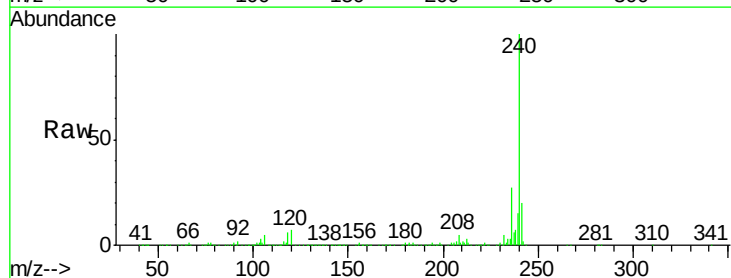


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

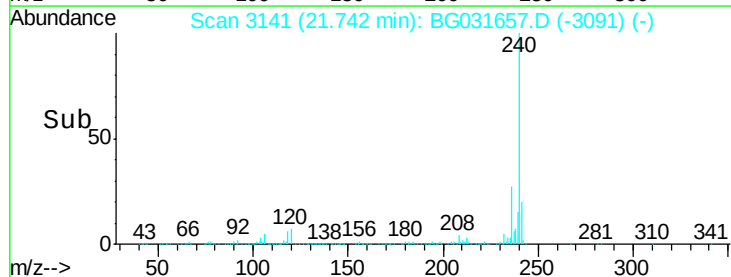
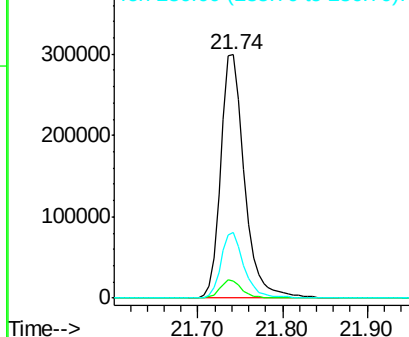


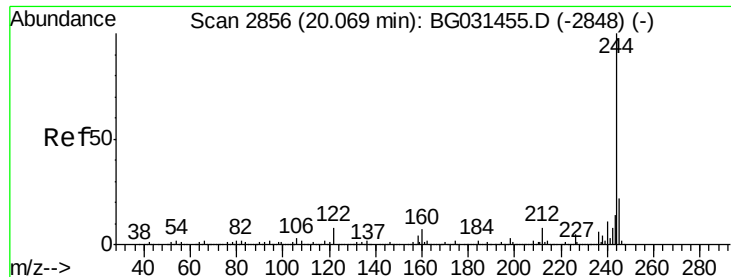
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.74 min Scan# 3141
 Delta R.T. -0.01 min
 Lab File: BG031657.D
 Acq: 19 Dec 2017 6:32

Tgt Ion:240 Resp: 586887
 Ion Ratio Lower Upper
 240 100
 120 6.8 6.8 10.2
 236 26.8 20.9 31.3



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

Terphenyl-d14

Concen: 99.869 ng

RT: 20.06 min Scan# 2855

Delta R.T. -0.01 min

Lab File: BG031657.D

Acq: 19 Dec 2017 6:32

Instrument :

BNA_G

ClientSampleId :

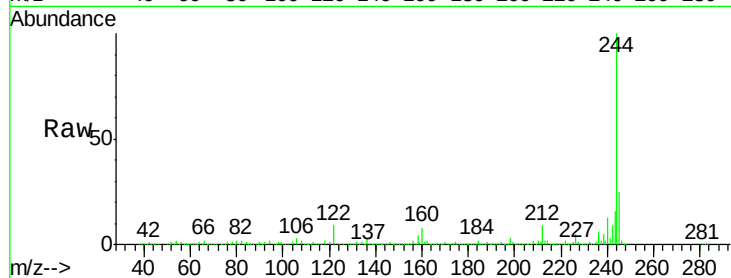
Tot Ion:244 Resp: 2576164

Ion Ratio Lower Upper

244 100

212 9.3 5.8 8.8#

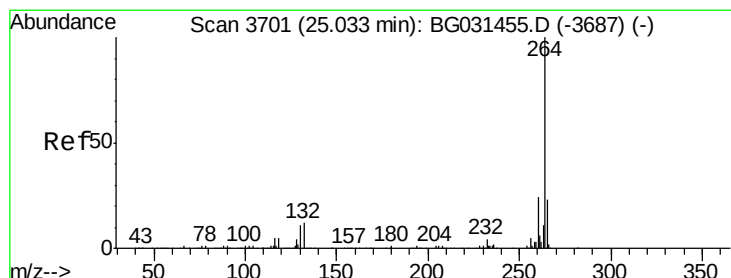
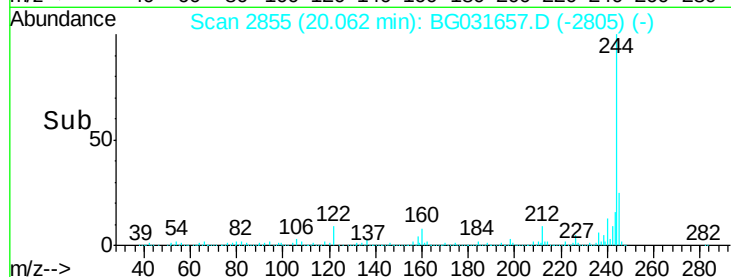
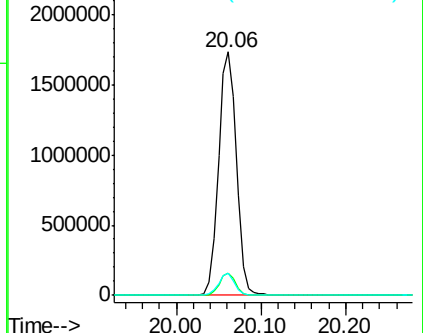
122 9.0 7.0 10.4



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



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.03 min Scan# 3700

Delta R.T. -0.01 min

Lab File: BG031657.D

Acq: 19 Dec 2017 6:32

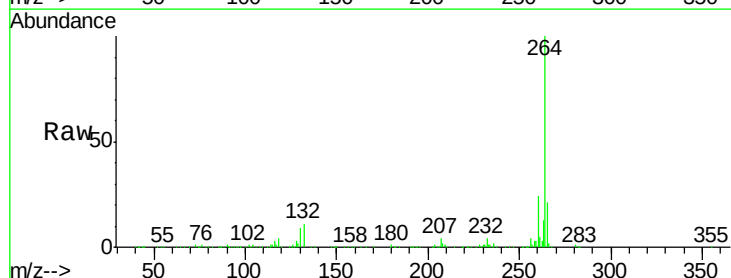
Tgt Ion:264 Resp: 503545

Ion Ratio Lower Upper

264 100

260 23.9 17.4 26.0

265 20.6 17.7 26.5



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

