

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121217\
 Data File : BG031510.D
 Acq On : 13 Dec 2017 3:03
 Operator : SJ/JU
 Sample : I6675-04
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SU-03-121117-A

Quant Time: Dec 13 05:58:40 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

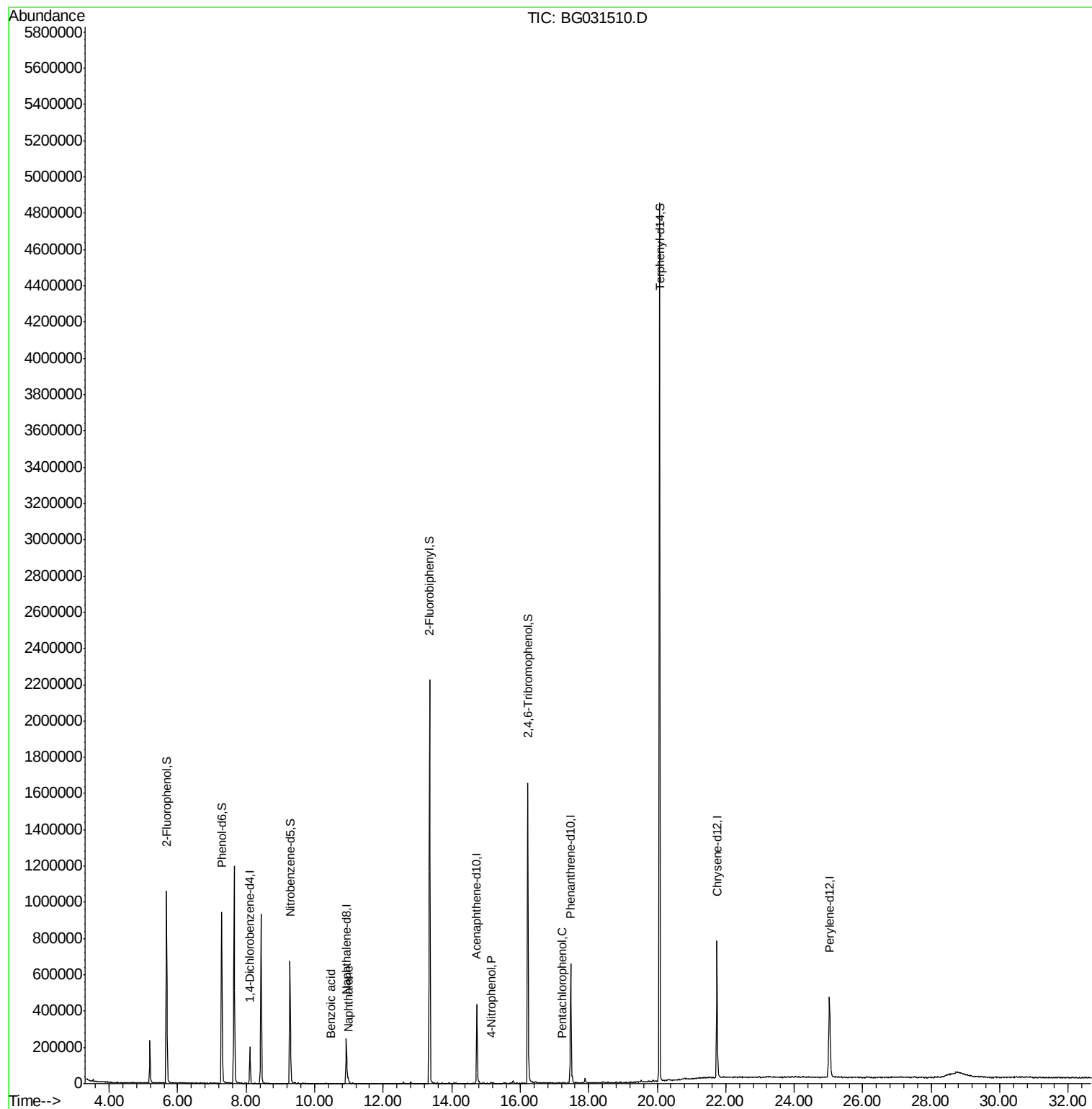
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.11	152	62752	20.00	ng	0.00
21) Naphthalene-d8	10.93	136	266407	20.00	ng	0.00
38) Acenaphthene-d10	14.73	164	174591	20.00	ng	0.00
63) Phenanthrene-d10	17.47	188	455126	20.00	ng	0.00
75) Chrysene-d12	21.74	240	518369	20.00	ng	0.00
86) Perylene-d12	25.03	264	506328	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.67	112	535677	151.31	ng	0.00
7) Phenol-d6	7.28	99	627274	127.63	ng	0.01
23) Nitrobenzene-d5	9.28	82	452918	104.79	ng	0.00
41) 2,4,6-Tribromophenol	16.22	330	359033	175.53	ng	0.00
44) 2-Fluorobiphenyl	13.35	172	1284859	108.02	ng	0.00
78) Terphenyl-d14	20.07	244	2291497	100.58	ng	0.00
Target Compounds						
31) Naphthalene	10.98	128	27391	2.093	ng	97
32) Benzoic acid	10.47	122	127	7.024	ng	# 1
55) 4-Nitrophenol	15.16	139	2339	4.593	ng	# 1
69) Pentachlorophenol	17.23	266	53	5.680	ng	# 19

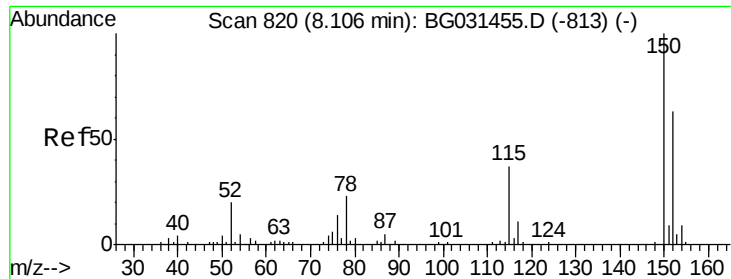
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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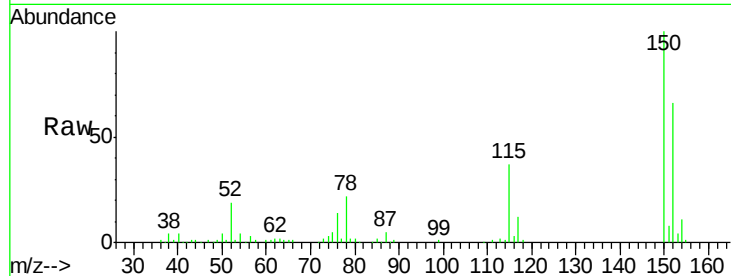


#1

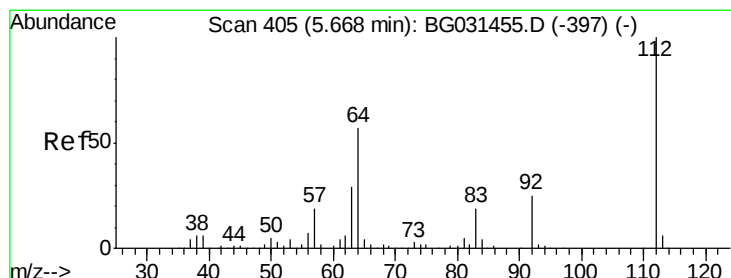
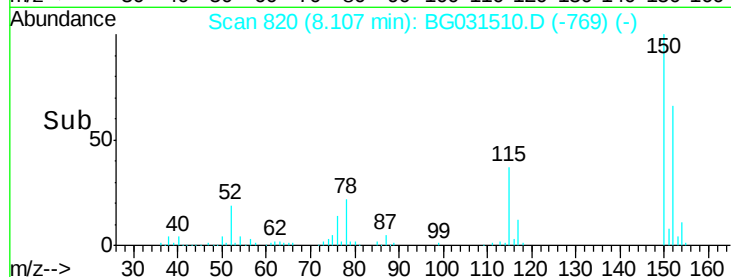
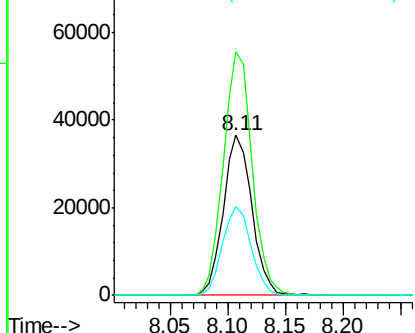
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.11 min Scan# 820
 Delta R.T. 0.00 min
 Lab File: BG031510.D
 Acq: 13 Dec 2017 3:03

Instrument :
 BNA_G
 ClientSampleId :
 SU-03-121117-A

Tot Ion:152 Resp: 62752
 Ion Ratio Lower Upper
 152 100
 150 152.2 126.6 189.8
 115 55.8 53.0 79.4



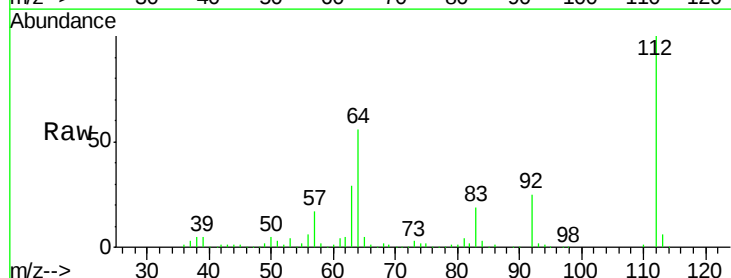
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



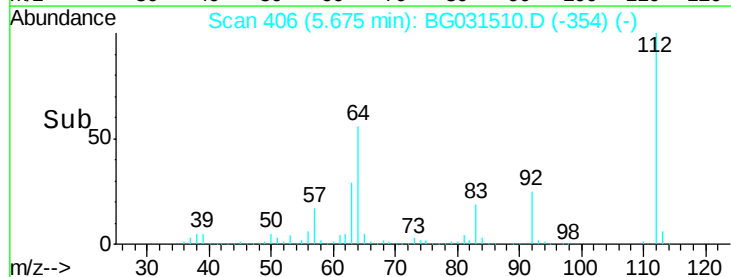
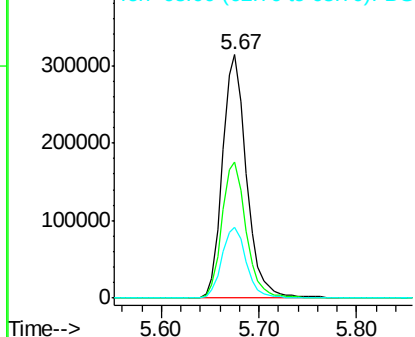
#5

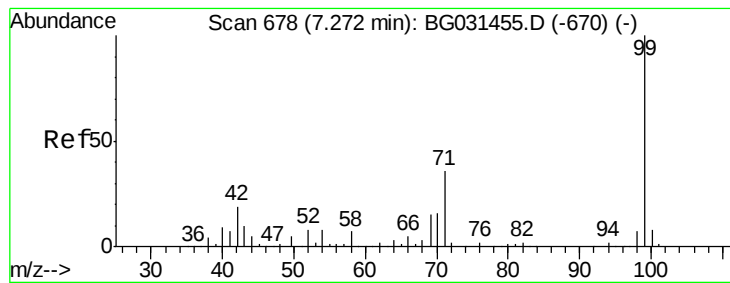
2-Fluorophenol
 Concen: 151.310 ng
 RT: 5.67 min Scan# 406
 Delta R.T. 0.01 min
 Lab File: BG031510.D
 Acq: 13 Dec 2017 3:03

Tgt Ion:112 Resp: 535677
 Ion Ratio Lower Upper
 112 100
 64 55.7 56.3 84.5#
 63 29.2 30.1 45.1#



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: 127.631 ng

RT: 7.28 min Scan# 680

Delta R.T. 0.01 min

Lab File: BG031510.D

Acq: 13 Dec 2017 3:03

Instrument :

BNA_G

ClientSampleId :

SU-03-121117-A

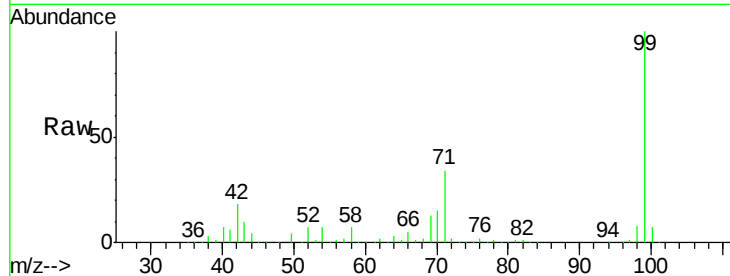
Tot Ion: 99 Resp: 627274

Ion Ratio Lower Upper

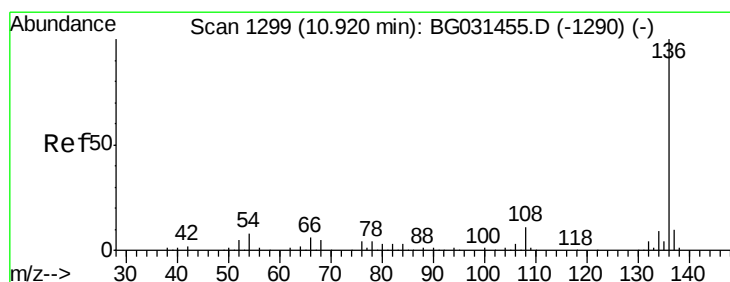
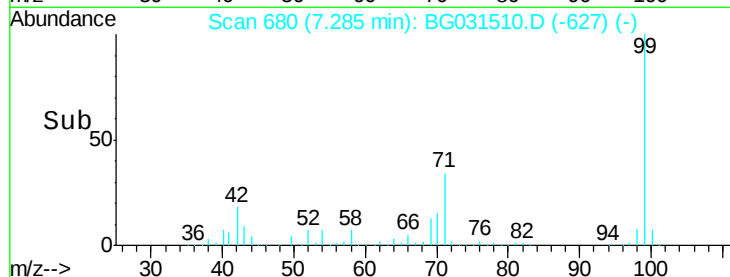
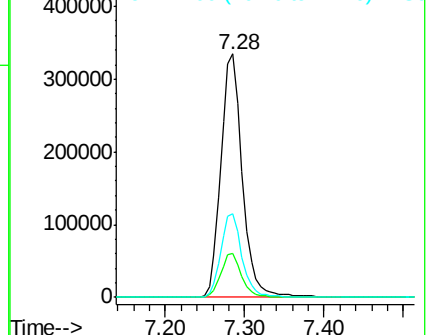
99 100

42 17.9 14.1 21.1

71 34.3 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: 10.93 min Scan# 1300

Delta R.T. 0.01 min

Lab File: BG031510.D

Acq: 13 Dec 2017 3:03

Tgt Ion: 136 Resp: 266407

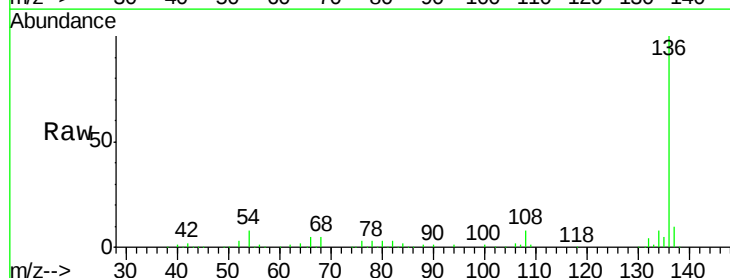
Ion Ratio Lower Upper

136 100

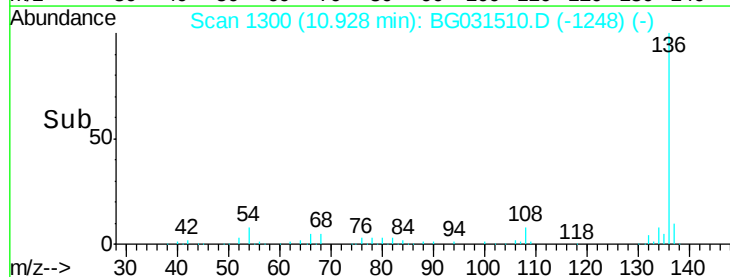
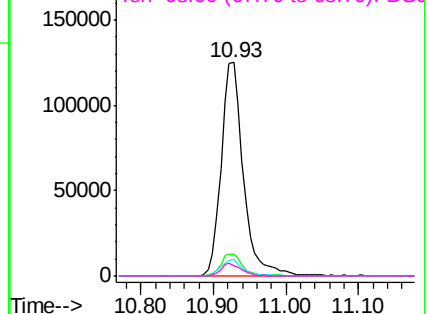
137 10.2 9.2 13.8

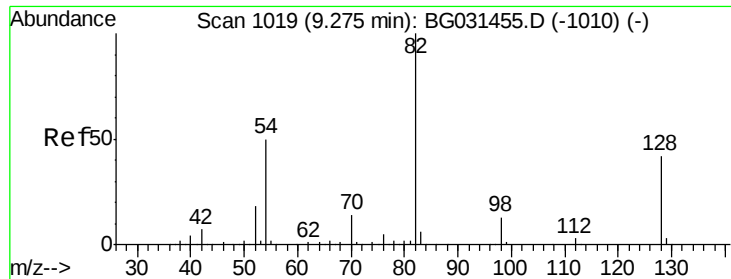
54 7.8 10.3 15.5#

68 5.1 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

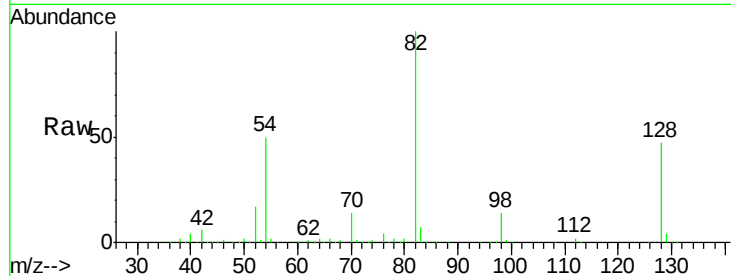




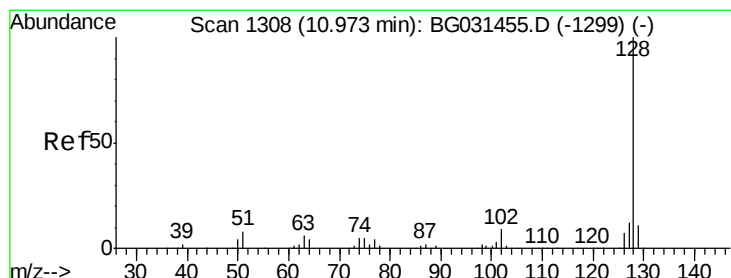
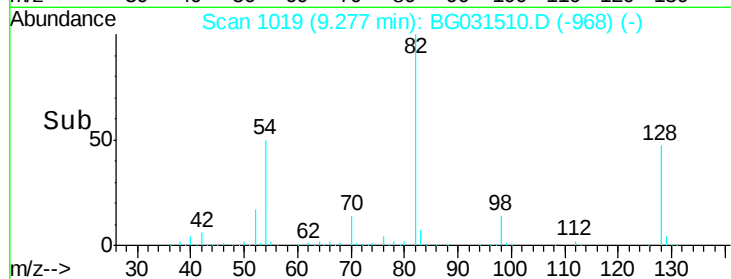
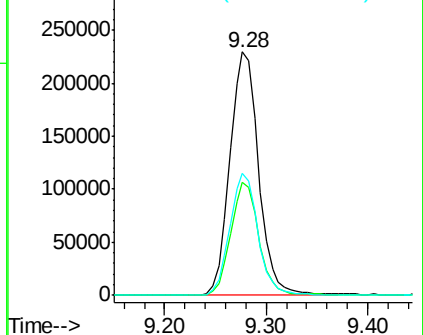
#23
 Nitrobenzene-d5
 Concen: 104.788 ng
 RT: 9.28 min Scan# 1019
 Delta R.T. 0.00 min
 Lab File: BG031510.D
 Acq: 13 Dec 2017 3:03

Instrument :
 BNA_G
 ClientSampleId :
 SU-03-121117-A

Tot Ion: 82 Resp: 452918
 Ion Ratio Lower Upper
 82 100
 128 46.7 29.7 44.5#
 54 50.0 43.1 64.7

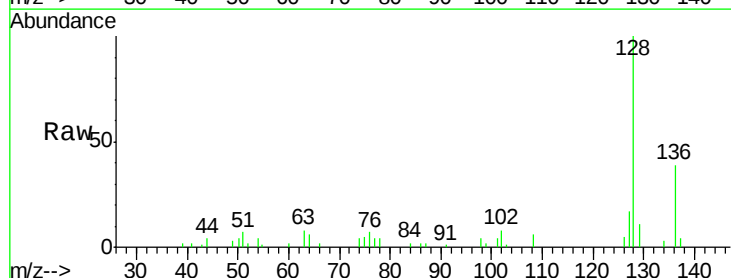


Abundance Ion 82.00 (81.70 to 82.70): BGC
 Ion 128.00 (127.70 to 128.70): BGC
 Ion 54.00 (53.70 to 54.70): BGC

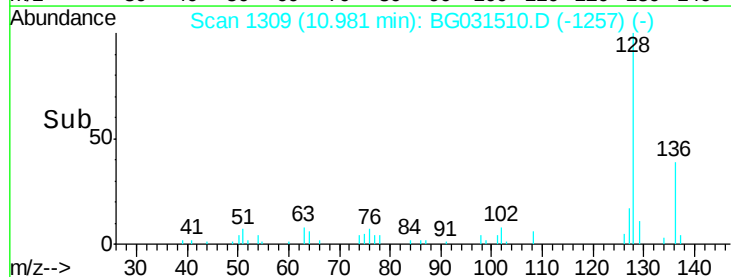
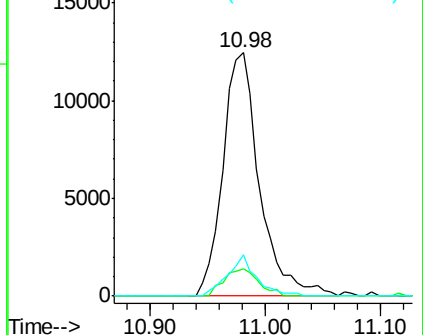


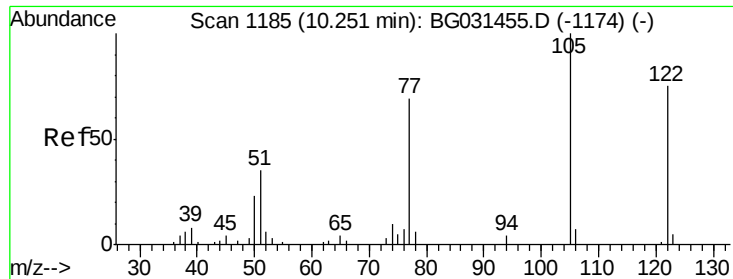
#31
 Naphthalene
 Concen: 2.093 ng
 RT: 10.98 min Scan# 1309
 Delta R.T. 0.01 min
 Lab File: BG031510.D
 Acq: 13 Dec 2017 3:03

Tgt Ion: 128 Resp: 27391
 Ion Ratio Lower Upper
 128 100
 129 11.0 8.6 12.8
 127 16.7 11.6 17.4



Abundance Ion 128.00 (127.70 to 128.70): BGC
 Ion 129.00 (128.70 to 129.70): BGC
 Ion 127.00 (126.70 to 127.70): BGC





#32

Benzoic acid

Concen: 7.024 ng

RT: 10.47 min Scan# 1222

Delta R.T. 0.22 min

Lab File: BG031510.D

Acq: 13 Dec 2017 3:03

Instrument :

BNA_G

ClientSampleId :

SU-03-121117-A

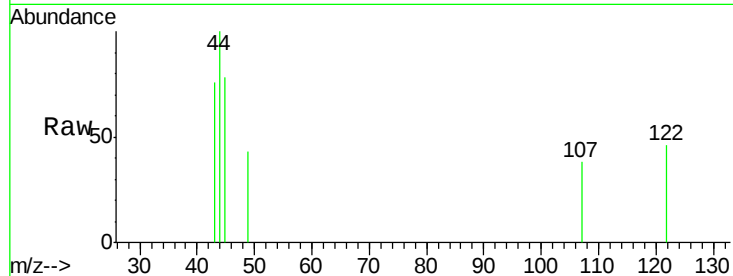
Tot Ion:122 Resp: 127

Ion Ratio Lower Upper

122 100

105 0.0 123.5 163.5#

77 0.0 85.7 125.7#

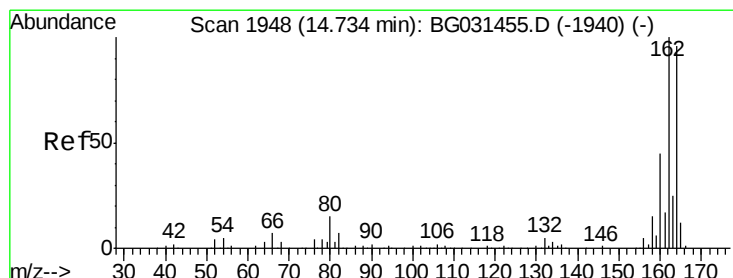
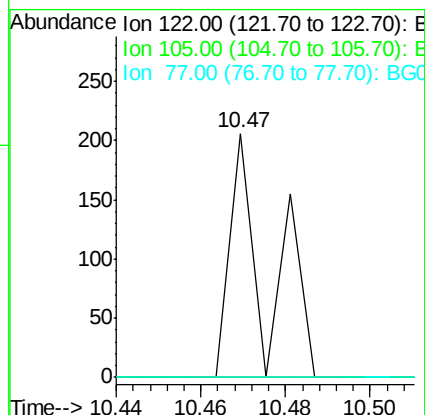
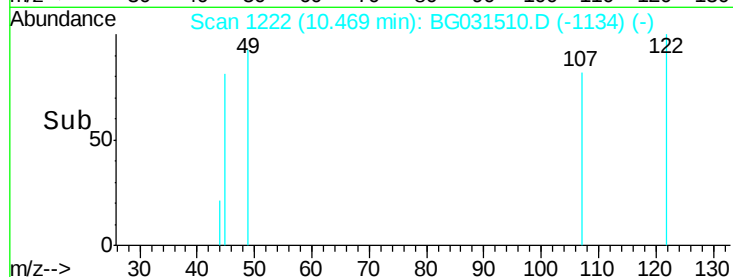


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): B

Time--> 10.44 10.46 10.47 10.48 10.50



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.73 min Scan# 1947

Delta R.T. -0.00 min

Lab File: BG031510.D

Acq: 13 Dec 2017 3:03

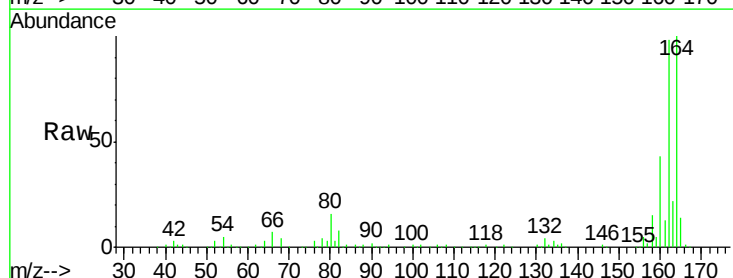
Tgt Ion:164 Resp: 174591

Ion Ratio Lower Upper

164 100

162 98.3 78.8 118.2

160 43.3 35.4 53.0

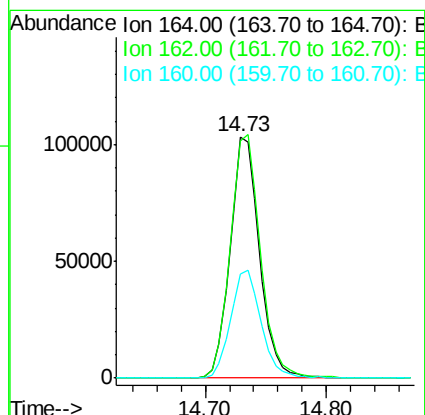
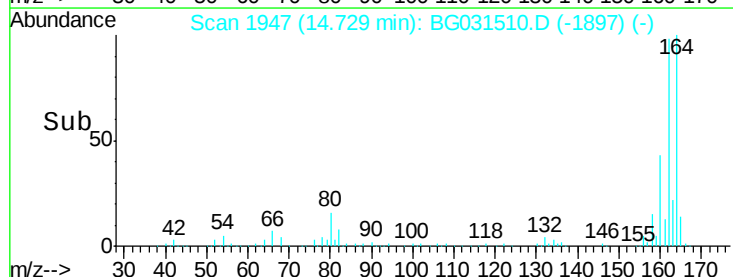


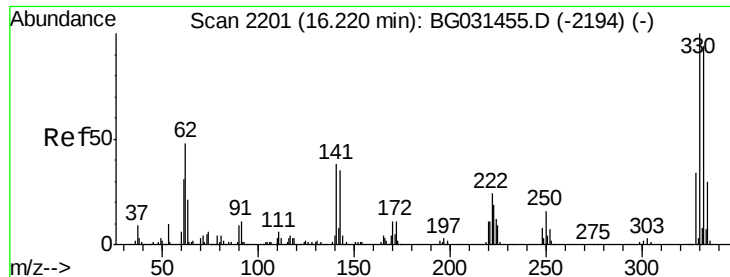
Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

Time--> 14.70 14.73 14.80

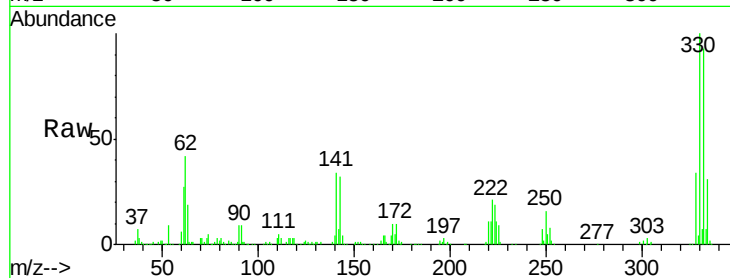




#41
 2,4,6-Tribromophenol
 Concen: 175.531 ng
 RT: 16.22 min Scan# 2201
 Delta R.T. 0.00 min
 Lab File: BG031510.D
 Acq: 13 Dec 2017 3:03

Instrument :
 BNA_G
 ClientSampleId :
 SU-03-121117-A

Tot Ion	Ratio	Lower	Upper
330	100		
332	94.7	77.0	115.6
141	35.1	25.2	37.8

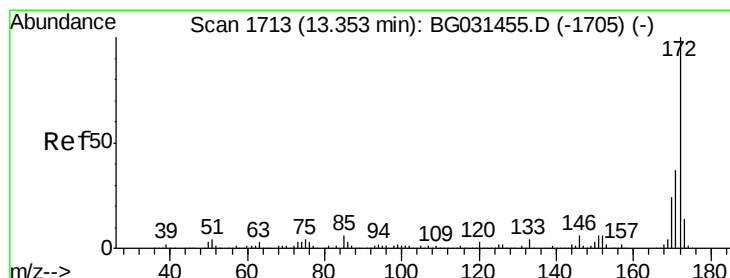
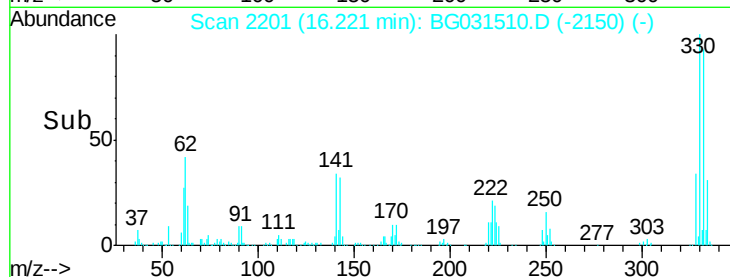
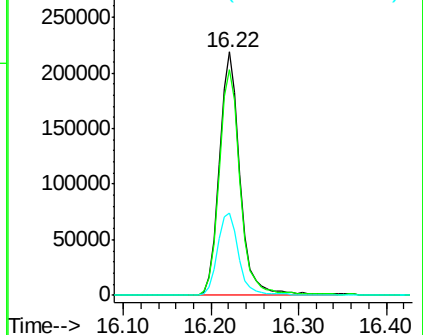


Abundance

Ion 329.80 (329.50 to 330.50): E

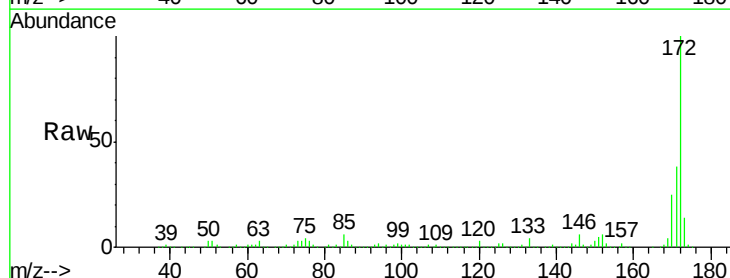
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 108.024 ng
 RT: 13.35 min Scan# 1713
 Delta R.T. 0.00 min
 Lab File: BG031510.D
 Acq: 13 Dec 2017 3:03

Tgt Ion	Ratio	Lower	Upper
172	100		
171	38.0	30.0	45.0
170	24.7	19.5	29.3

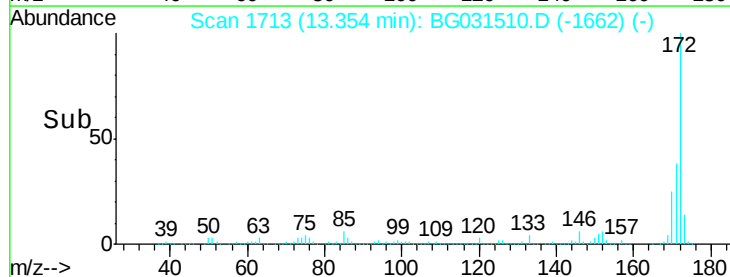
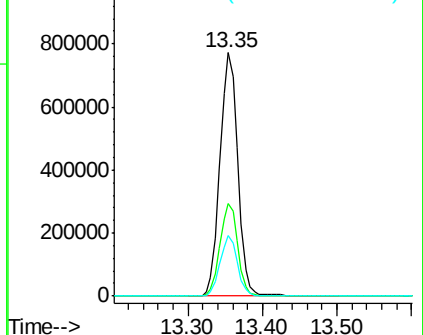


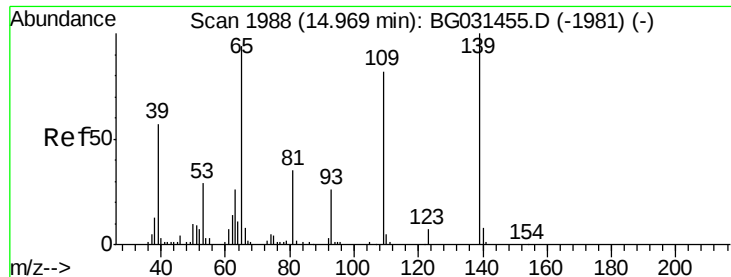
Abundance

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





#55

4-Nitrophenol

Concen: 4.593 ng

RT: 15.16 min Scan# 2020

Delta R.T. 0.19 min

Lab File: BG031510.D

Acq: 13 Dec 2017 3:03

Instrument :

BNA_G

ClientSampleId :

SU-03-121117-A

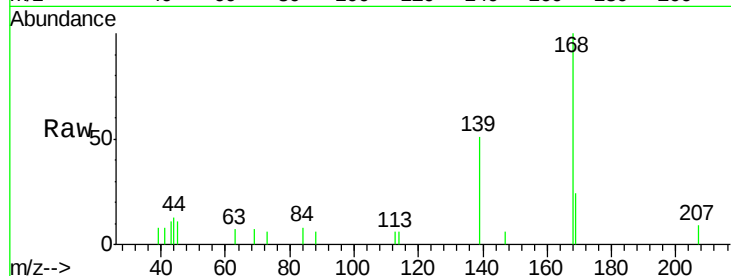
Tot Ion:139 Resp: 2339

Ion Ratio Lower Upper

139 100

109 0.0 62.2 102.2#

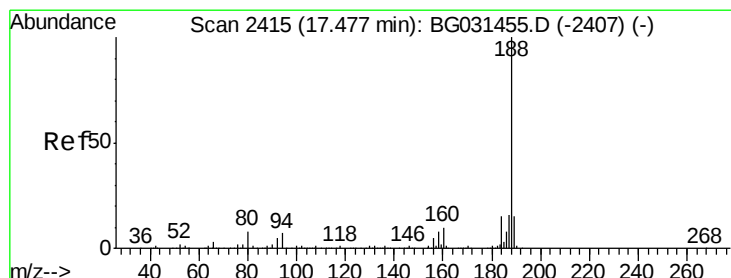
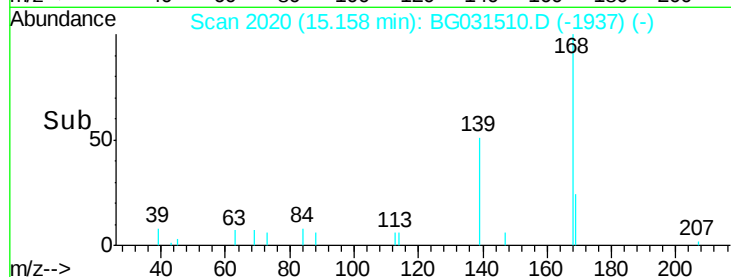
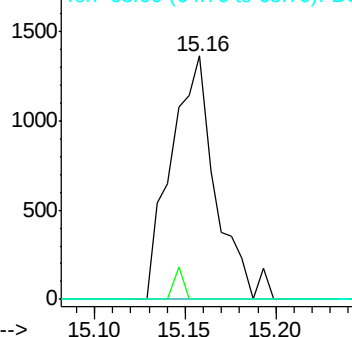
65 0.0 97.2 137.2#



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. -0.00 min

Lab File: BG031510.D

Acq: 13 Dec 2017 3:03

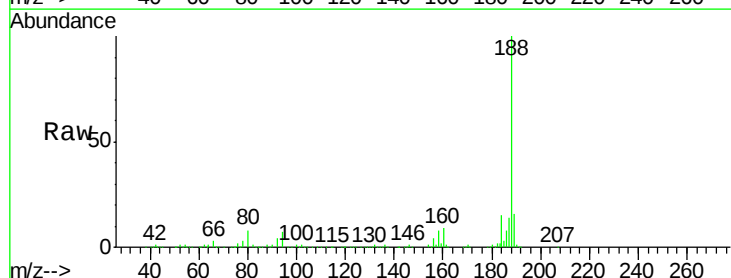
Tgt Ion:188 Resp: 455126

Ion Ratio Lower Upper

188 100

94 7.2 6.9 10.3

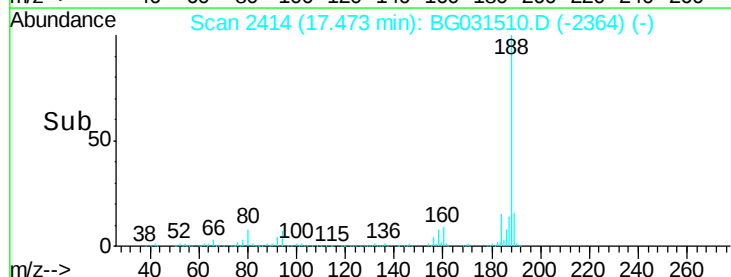
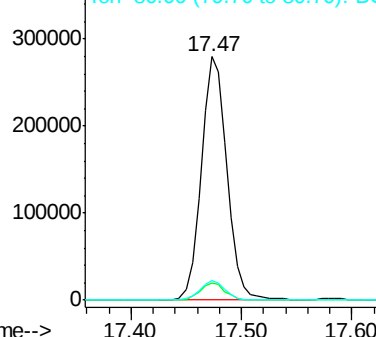
80 7.9 7.7 11.5

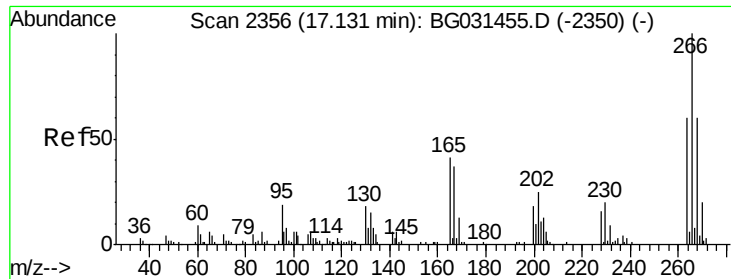


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC





#69

Pentachlorophenol

Concen: 5.680 ng

RT: 17.23 min Scan# 2373

Delta R.T. 0.10 min

Lab File: BG031510.D

Acq: 13 Dec 2017 3:03

Instrument :

BNA_G

ClientSampleId :

SU-03-121117-A

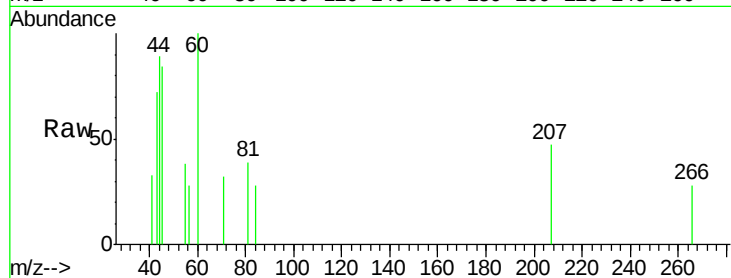
Tot Ion:266 Resp: 53

Ion Ratio Lower Upper

266 100

268 0.0 51.1 76.7#

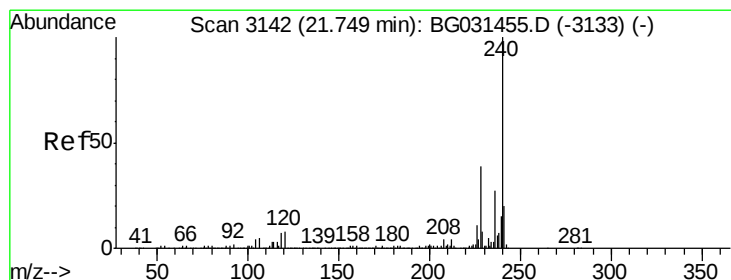
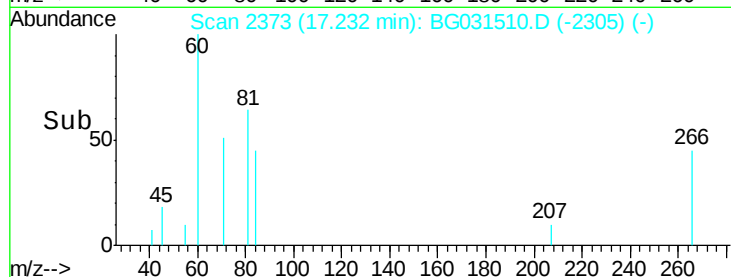
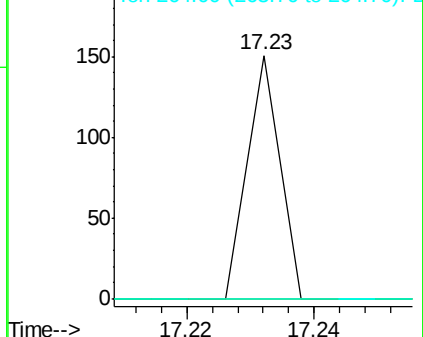
264 0.0 49.6 74.4#



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. -0.00 min

Lab File: BG031510.D

Acq: 13 Dec 2017 3:03

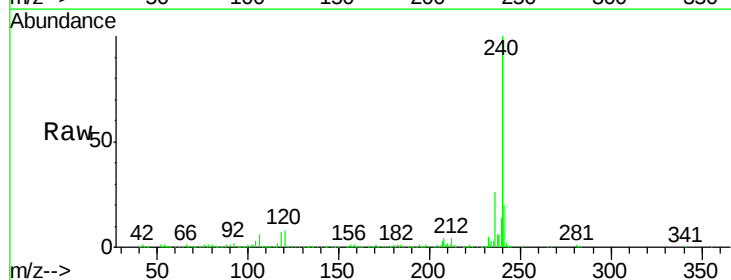
Tgt Ion:240 Resp: 518369

Ion Ratio Lower Upper

240 100

120 7.6 6.8 10.2

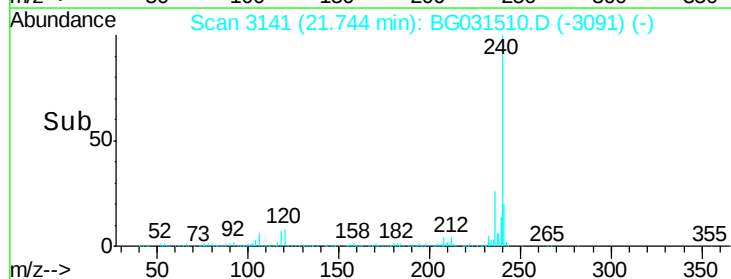
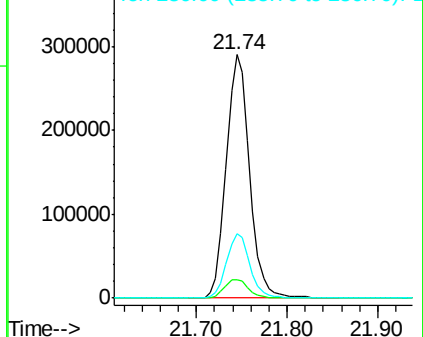
236 26.3 20.9 31.3

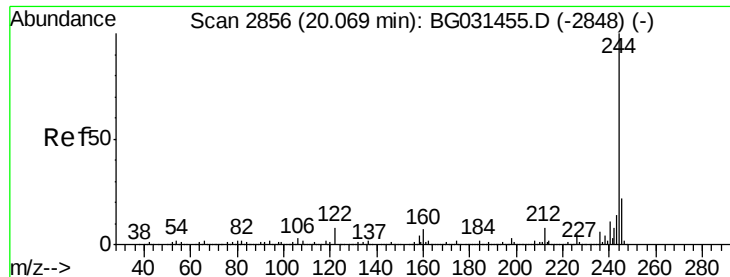


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 100.576 ng

RT: 20.07 min Scan# 2856

Delta R.T. 0.00 min

Lab File: BG031510.D

Acq: 13 Dec 2017 3:03

Instrument :

BNA_G

ClientSampleId :

SU-03-121117-A

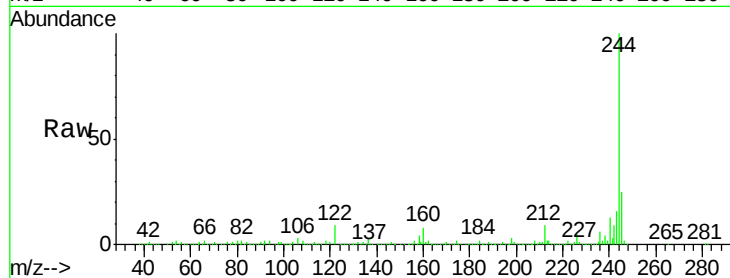
Tot Ion:244 Resp: 2291497

Ion Ratio Lower Upper

244 100

212 9.2 5.8 8.8#

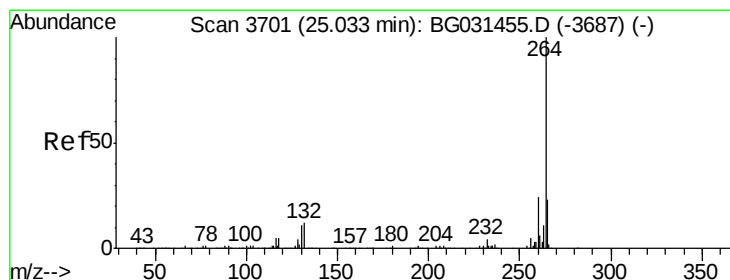
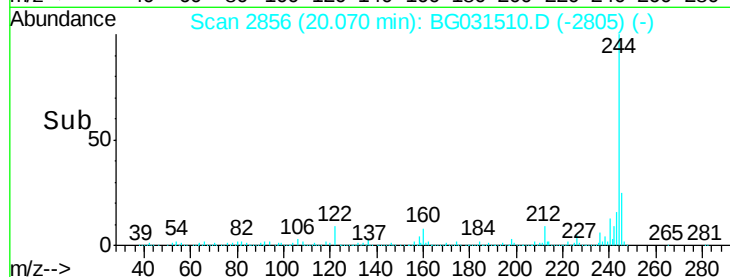
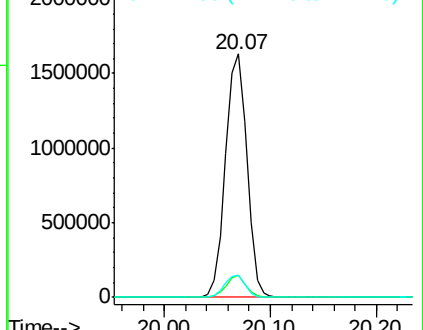
122 8.9 7.0 10.4



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. -0.00 min

Lab File: BG031510.D

Acq: 13 Dec 2017 3:03

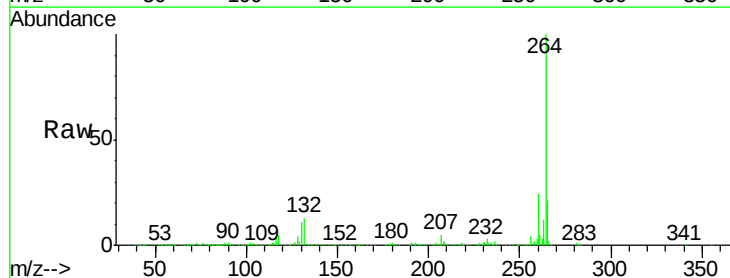
Tgt Ion:264 Resp: 506328

Ion Ratio Lower Upper

264 100

260 23.9 17.4 26.0

265 21.0 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

