

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG060815\
 Data File : BG017557.D
 Acq On : 9 Jun 2015 3:43
 Operator : TP/IZ
 Sample : G2450-38
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 AVE-E-RA15.2(4)

Quant Time: Jun 09 04:27:14 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG060315.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 09 02:10:45 2015
 Response via : Initial Calibration

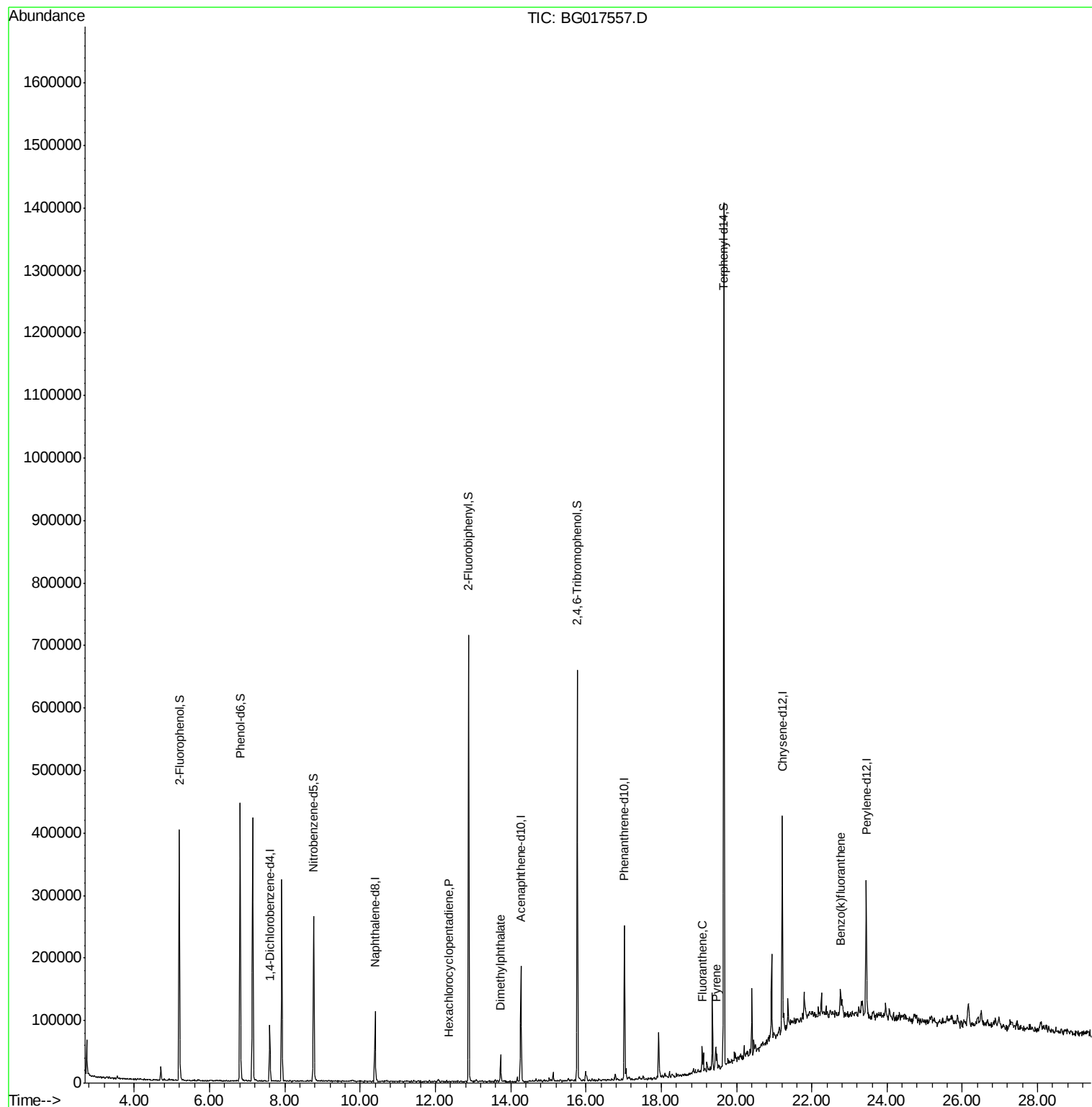
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.60	152	20208	20.00	ng	0.00
21) Naphthalene-d8	10.39	136	81962	20.00	ng	0.00
38) Acenaphthene-d10	14.27	164	56826	20.00	ng	-0.02
63) Phenanthrene-d10	17.02	188	126328	20.00	ng	-0.02
75) Chrysene-d12	21.22	240	143588	20.00	ng	-0.02
86) Perylene-d12	23.45	264	144671	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.20	112	130042	113.37	ng	0.00
7) Phenol-d6	6.82	99	173447	111.00	ng	0.00
23) Nitrobenzene-d5	8.77	82	127916	77.91	ng	0.00
41) 2,4,6-Tribromophenol	15.78	330	94267	119.43	ng	0.00
44) 2-Fluorobiphenyl	12.88	172	308139	81.80	ng	-0.02
78) Terphenyl-d14	19.66	244	544816	78.42	ng	-0.02
Target Compounds						
40) Hexachlorocyclopentadiene	12.35	237	54	6.86	ng	Qvalue # 27
49) Dimethylphthalate	13.73	163	22887	4.63	ng	100
74) Fluoranthene	19.09	202	18825	2.04	ng	98
77) Pyrene	19.45	202	18449	2.09	ng	98
88) Benzo(k)fluoranthene	22.77	252	18416	2.10	ng	94

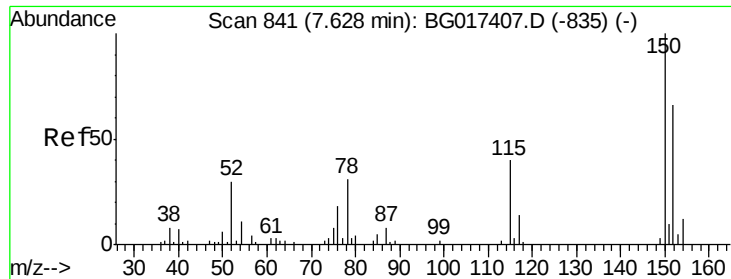
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jun 09 04:27:14 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG060315.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 09 02:10:45 2015
Response via : Initial Calibration



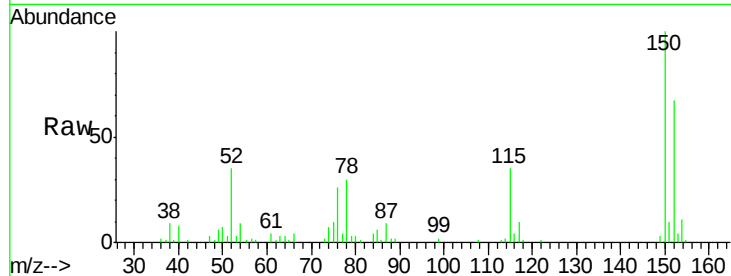


#1

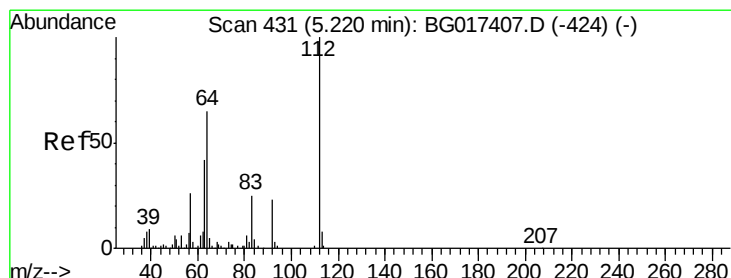
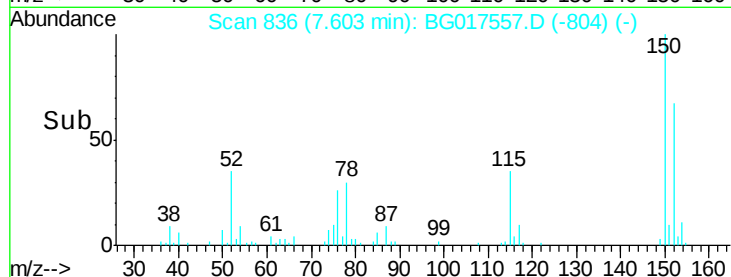
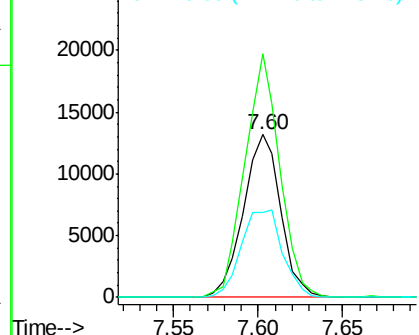
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.60 min Scan# 836
Delta R.T. -0.01 min
Lab File: BG017557.D
Acq: 9 Jun 2015 3:43

Instrument :
BNA_G
ClientSampleId :
AVE-E-RA15.2(4)

Tgt Ion:152 Resp: 20208
Ion Ratio Lower Upper
152 100
150 149.7 121.7 182.5
115 52.2 48.6 73.0



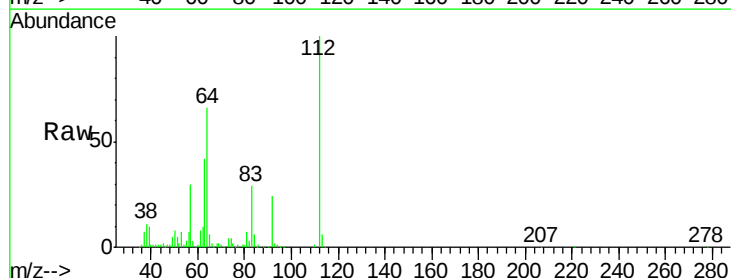
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



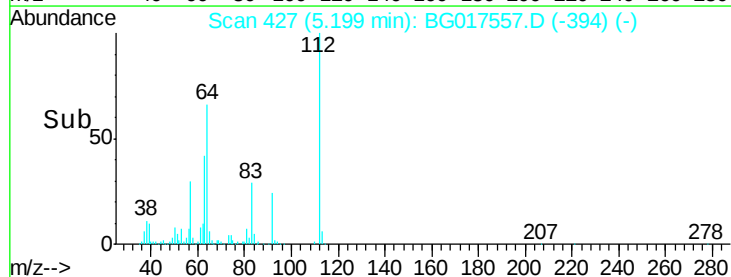
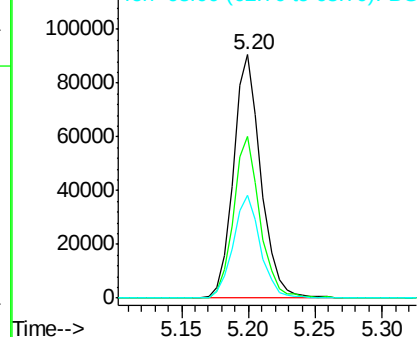
#5

2-Fluorophenol
Concen: 113.37 ng
RT: 5.20 min Scan# 427
Delta R.T. -0.00 min
Lab File: BG017557.D
Acq: 9 Jun 2015 3:43

Tgt Ion:112 Resp: 130042
Ion Ratio Lower Upper
112 100
64 66.3 51.6 77.4
63 42.2 33.3 49.9



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: 111.00 ng

RT: 6.82 min Scan# 702

Delta R.T. -0.00 min

Lab File: BG017557.D

Acq: 9 Jun 2015 3:43

Instrument :

BNA_G

ClientSampleId :

AVE-E-RA15.2(4)

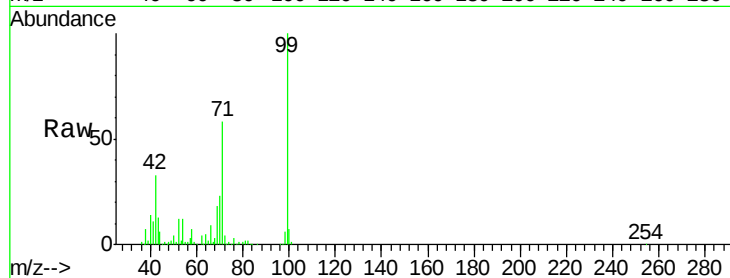
Tgt Ion: 99 Resp: 173447

Ion Ratio Lower Upper

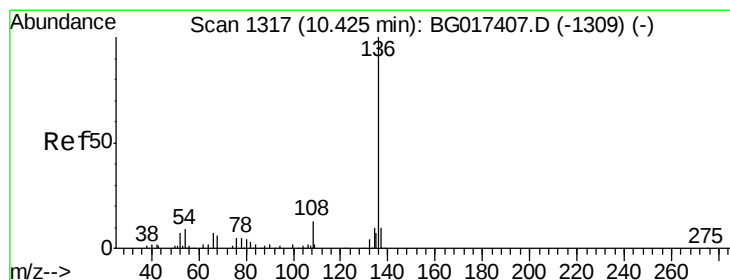
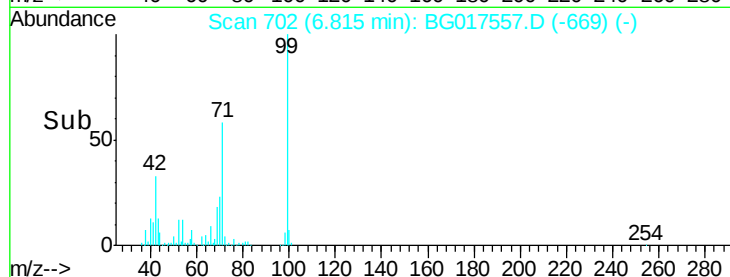
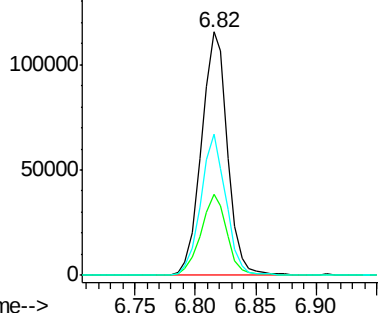
99 100

42 33.4 21.0 31.6#

71 58.2 37.2 55.8#



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: 20.00 ng

RT: 10.39 min Scan# 1311

Delta R.T. -0.01 min

Lab File: BG017557.D

Acq: 9 Jun 2015 3:43

Tgt Ion: 136 Resp: 81962

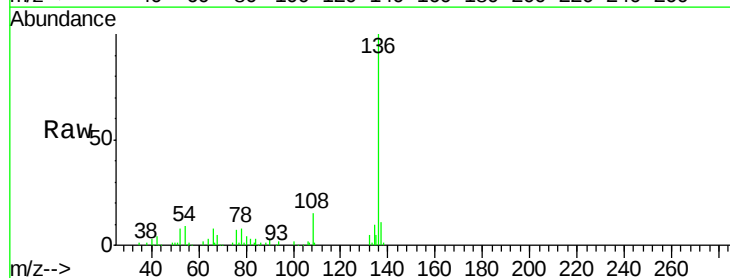
Ion Ratio Lower Upper

136 100

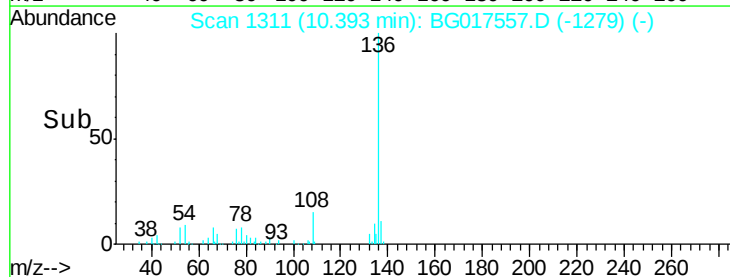
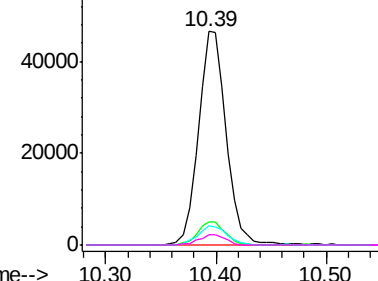
137 11.1 7.9 11.9

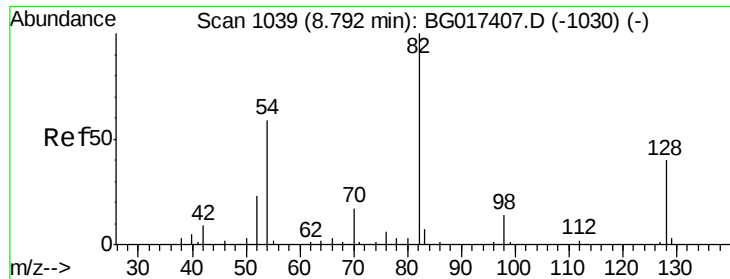
54 8.9 7.2 10.8

68 5.2 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

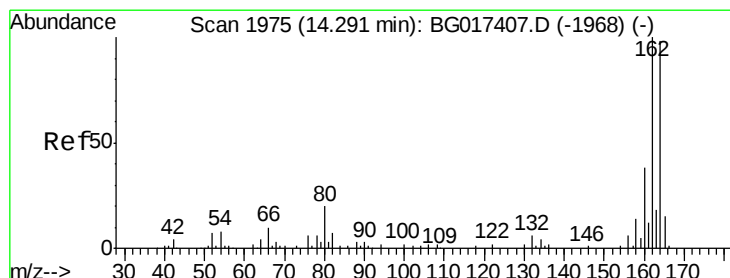
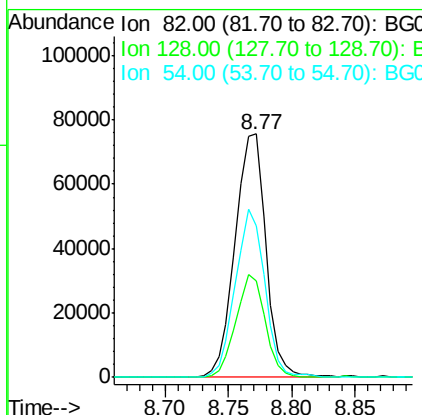
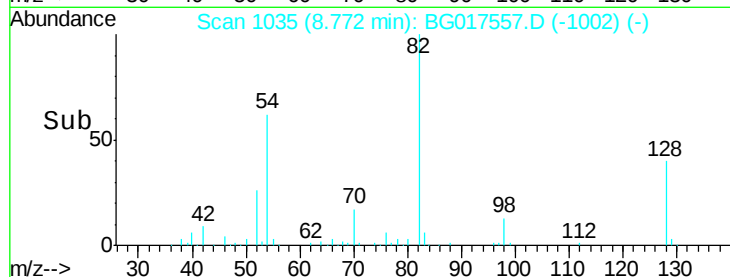
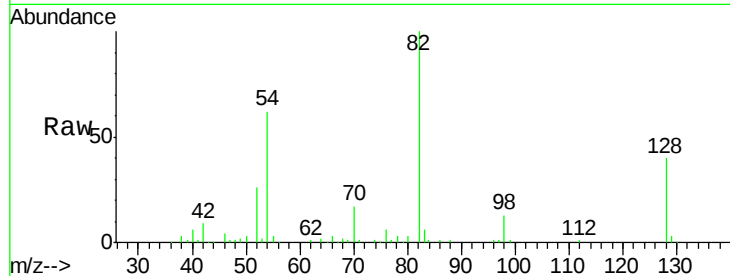




#23
 Nitrobenzene-d5
 Concen: 77.91 ng
 RT: 8.77 min Scan# 1035
 Delta R.T. -0.00 min
 Lab File: BG017557.D
 Acq: 9 Jun 2015 3:43

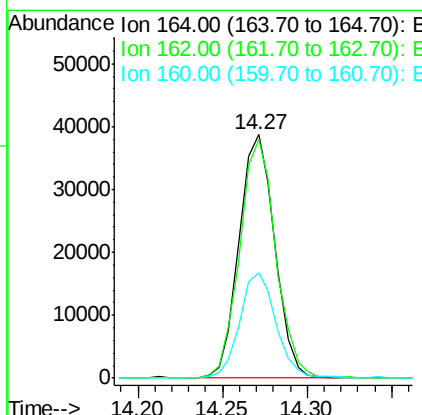
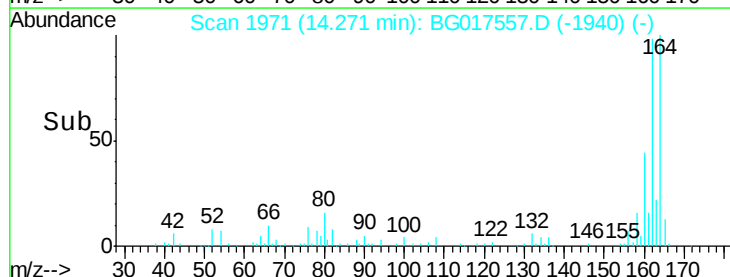
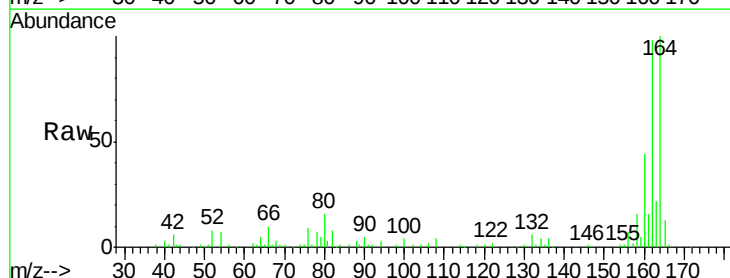
Instrument :
 BNA_G
 ClientSampleId :
 AVE-E-RA15.2(4)

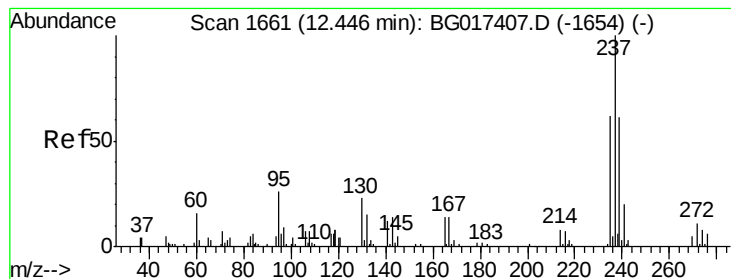
Tgt Ion	Ratio	Lower	Upper
82	100		
128	39.6	32.2	48.4
54	62.4	47.4	71.2



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 14.27 min Scan# 1971
 Delta R.T. -0.02 min
 Lab File: BG017557.D
 Acq: 9 Jun 2015 3:43

Tgt Ion	Ratio	Lower	Upper
164	100		
162	97.8	81.8	122.6
160	43.5	31.0	46.4





#40

Hexachlorocyclopentadiene

Concen: 6.86 ng

RT: 12.35 min Scan# 1644

Delta R.T. -0.08 min

Lab File: BG017557.D

Acq: 9 Jun 2015 3:43

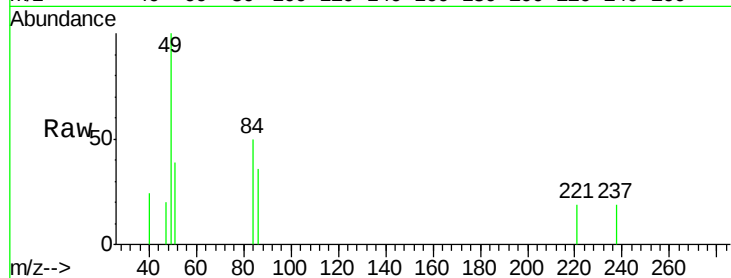
Instrument :

BNA_G

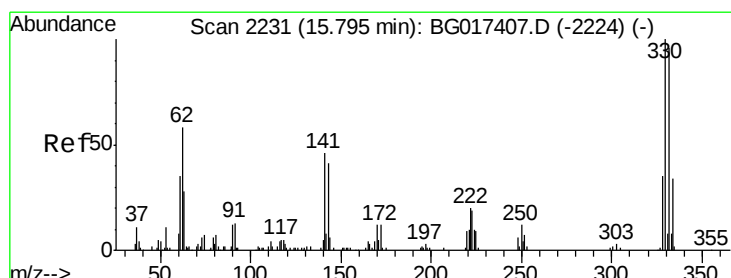
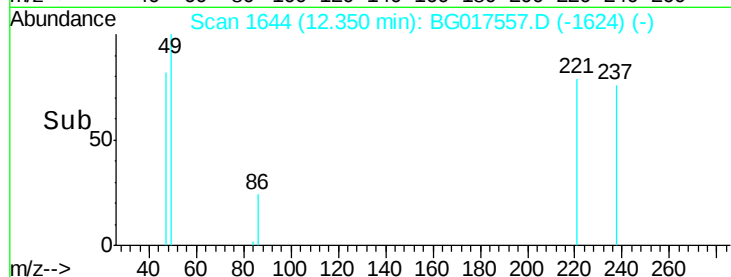
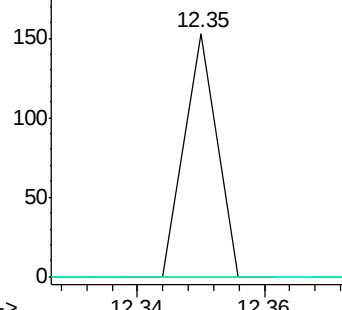
ClientSampleId :

AVE-E-RA15.2(4)

Tgt Ion:	237	Resp:	54
Ion	Ratio	Lower	Upper
237	100		
235	0.0	42.3	82.3#
272	0.0	0.0	31.2



Abundance Ion 236.80 (236.50 to 237.50): E
Ion 234.90 (234.60 to 235.60): E
Ion 271.75 (271.45 to 272.45): E



#41

2,4,6-Tribromophenol

Concen: 119.43 ng

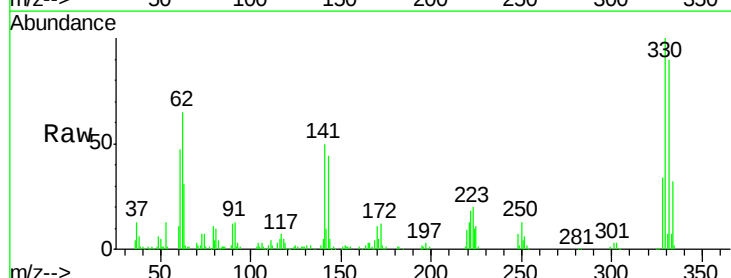
RT: 15.78 min Scan# 2227

Delta R.T. -0.01 min

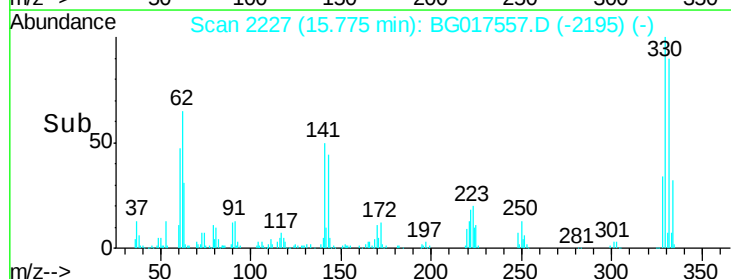
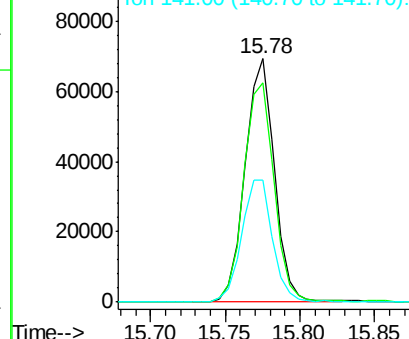
Lab File: BG017557.D

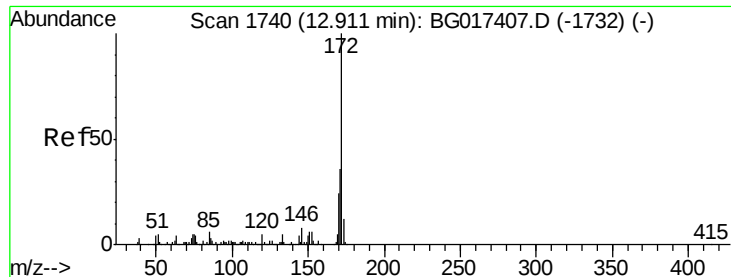
Acq: 9 Jun 2015 3:43

Tgt Ion:	330	Resp:	94267
Ion	Ratio	Lower	Upper
330	100		
332	93.4	75.9	113.9
141	52.9	40.2	60.4



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: 81.80 ng

RT: 12.88 min Scan# 1735

Delta R.T. -0.02 min

Lab File: BG017557.D

Acq: 9 Jun 2015 3:43

Instrument :

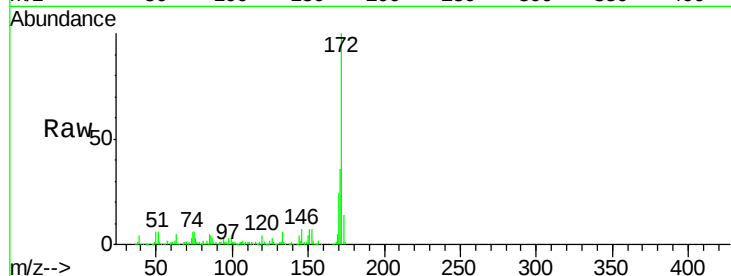
BNA_G

ClientSampleId :

AVE-E-RA15.2(4)

Tgt Ion:172 Resp: 308139

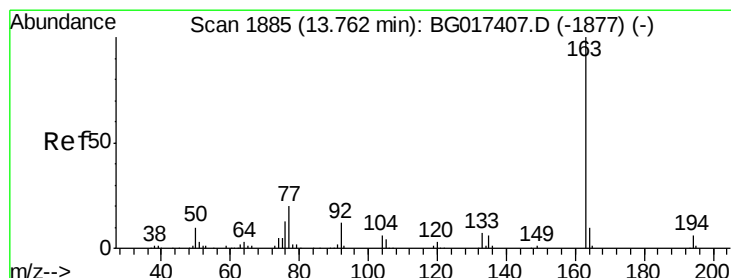
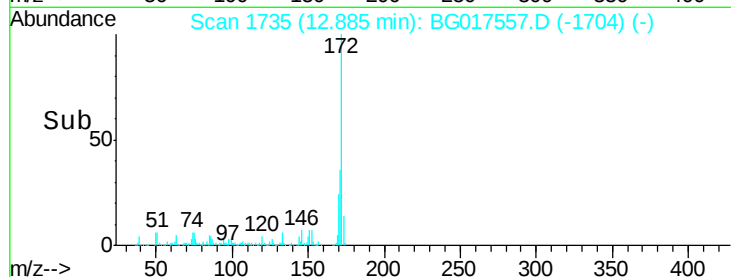
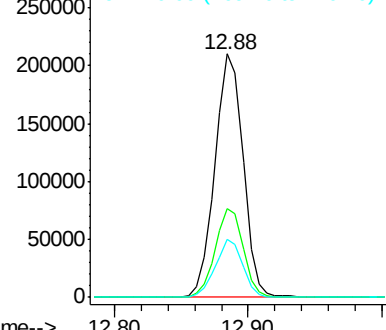
Ion	Ratio	Lower	Upper
172	100		
171	36.3	29.0	43.6
170	23.6	18.9	28.3



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



#49

Dimethylphthalate

Concen: 4.63 ng

RT: 13.73 min Scan# 1879

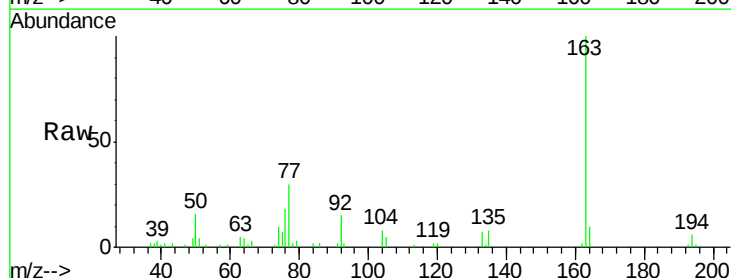
Delta R.T. -0.02 min

Lab File: BG017557.D

Acq: 9 Jun 2015 3:43

Tgt Ion:163 Resp: 22887

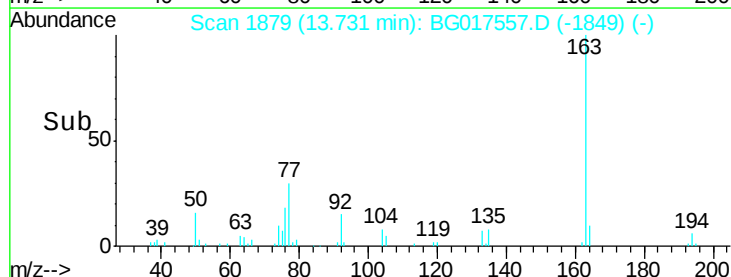
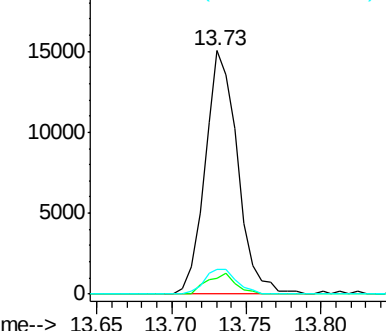
Ion	Ratio	Lower	Upper
163	100		
194	6.3	4.9	7.3
164	10.2	8.2	12.2

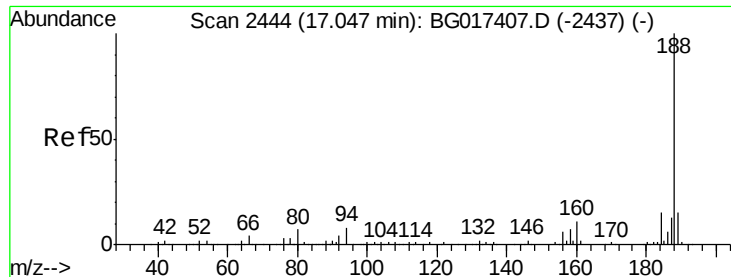


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

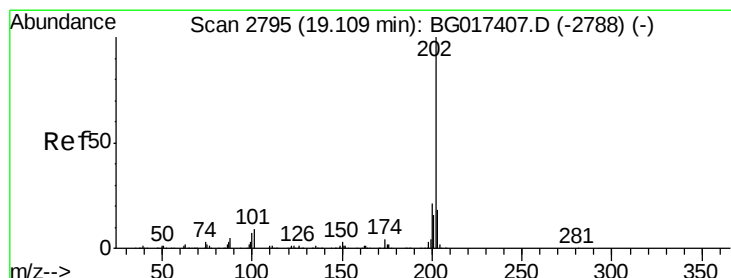
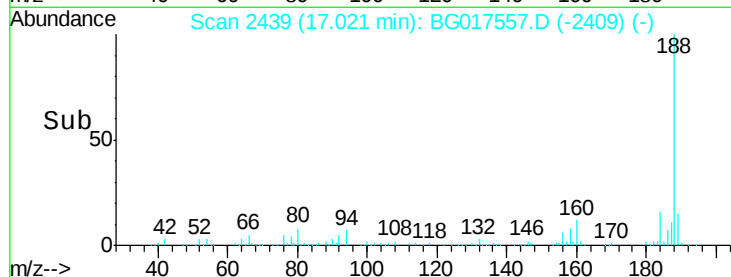
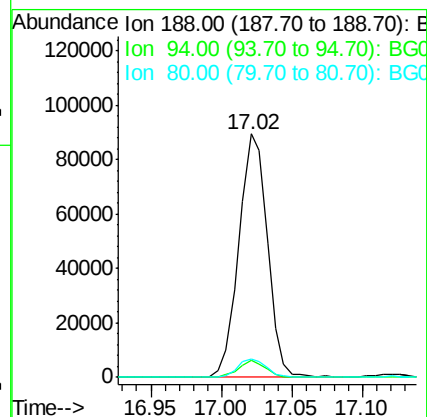
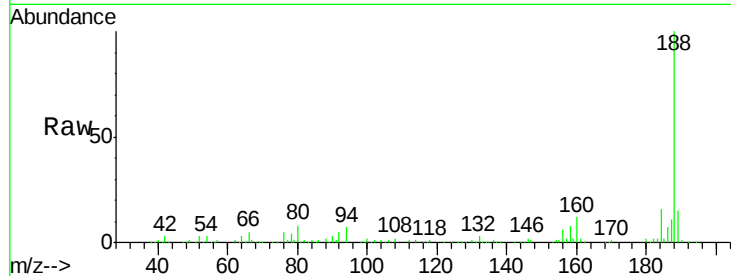




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.02 min Scan# 2439
Delta R.T. -0.02 min
Lab File: BG017557.D
Acq: 9 Jun 2015 3:43

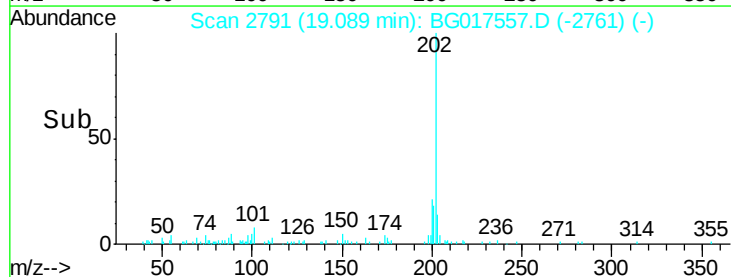
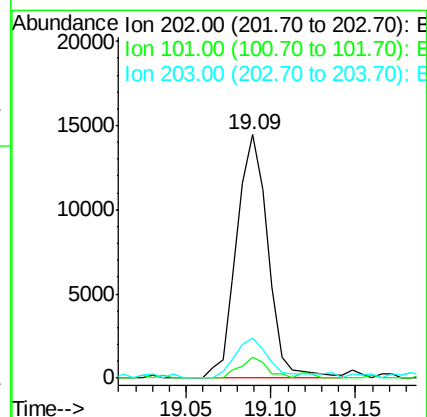
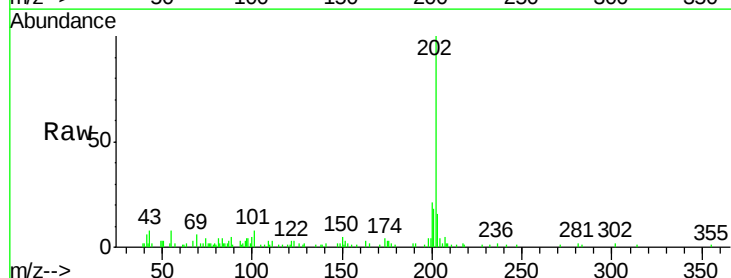
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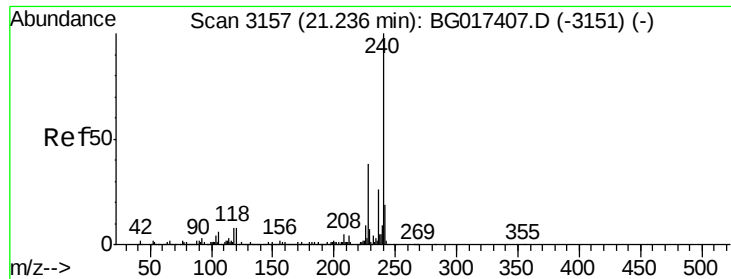
Tgt Ion:188 Resp: 126328
Ion Ratio Lower Upper
188 100
94 6.8 6.3 9.5
80 7.7 5.2 7.8



#74
Fluoranthene
Concen: 2.04 ng
RT: 19.09 min Scan# 2791
Delta R.T. -0.02 min
Lab File: BG017557.D
Acq: 9 Jun 2015 3:43

Tgt Ion:202 Resp: 18825
Ion Ratio Lower Upper
202 100
101 8.5 0.0 28.8
203 16.3 0.0 37.6





#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.22 min Scan# 3153

Delta R.T. -0.02 min

Lab File: BG017557.D

Acq: 9 Jun 2015 3:43

Instrument :

BNA_G

ClientSampleId :

AVE-E-RA15.2(4)

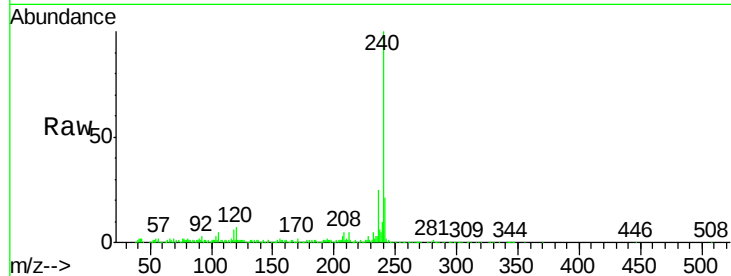
Tgt Ion:240 Resp: 143588

Ion Ratio Lower Upper

240 100

120 6.7 6.5 9.7

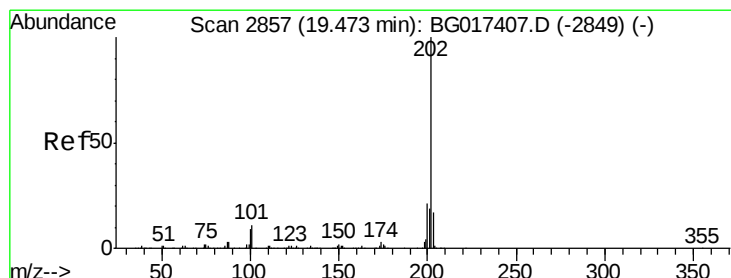
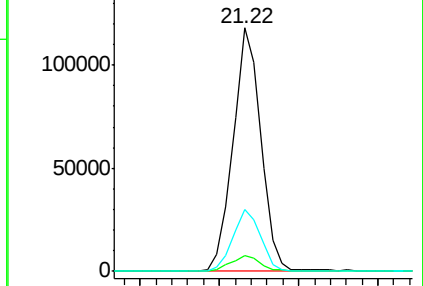
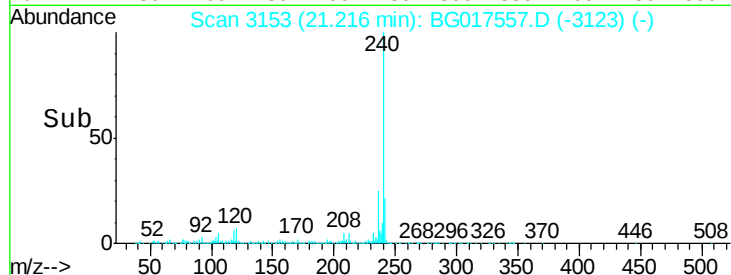
236 25.4 20.8 31.2



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

Pyrene

Concen: 2.09 ng

RT: 19.45 min Scan# 2853

Delta R.T. -0.02 min

Lab File: BG017557.D

Acq: 9 Jun 2015 3:43

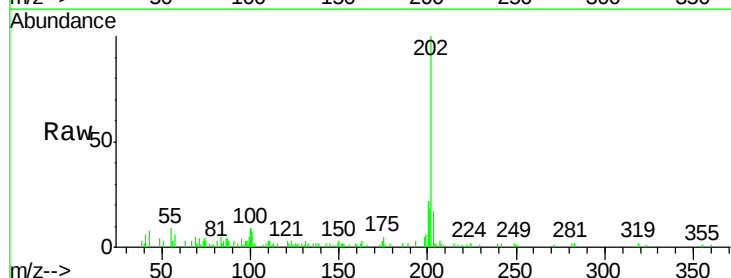
Tgt Ion:202 Resp: 18449

Ion Ratio Lower Upper

202 100

200 22.3 17.0 25.4

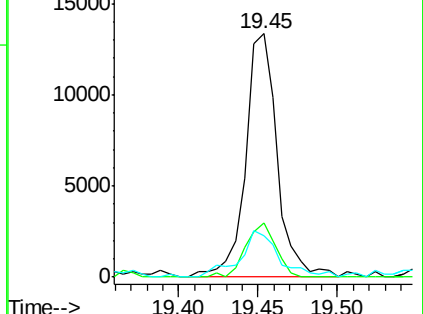
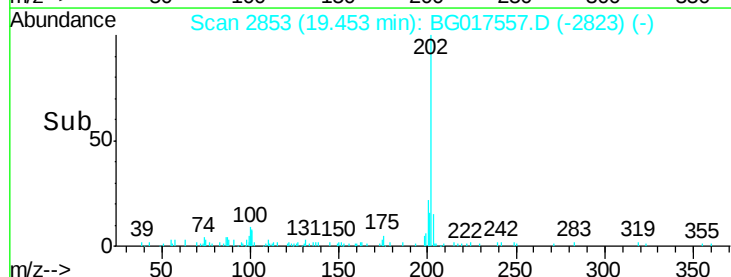
203 16.8 13.9 20.9

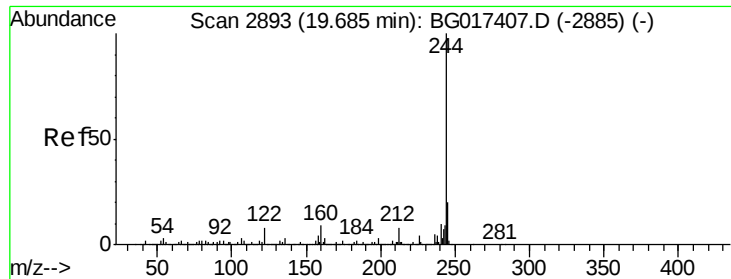


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 78.42 ng

RT: 19.66 min Scan# 2889

Delta R.T. -0.02 min

Lab File: BG017557.D

Acq: 9 Jun 2015 3:43

Instrument :

BNA_G

ClientSampleId :

AVE-E-RA15.2(4)

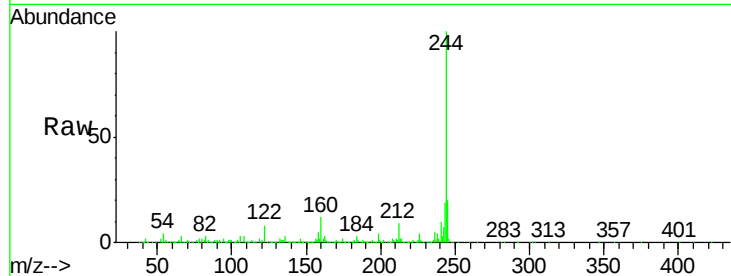
Tgt Ion:244 Resp: 544816

Ion Ratio Lower Upper

244 100

212 8.8 6.4 9.6

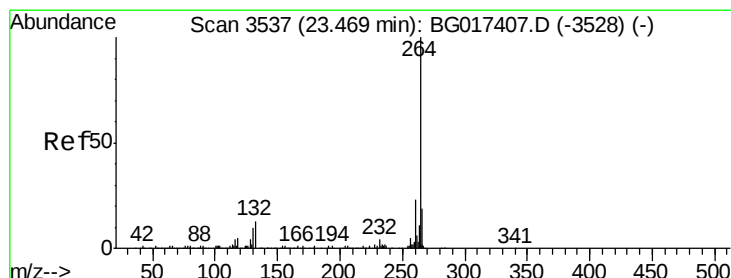
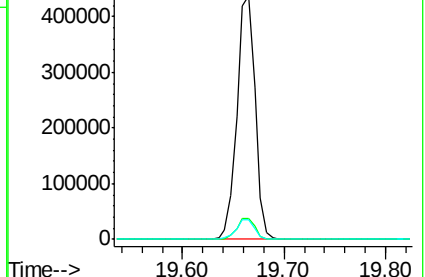
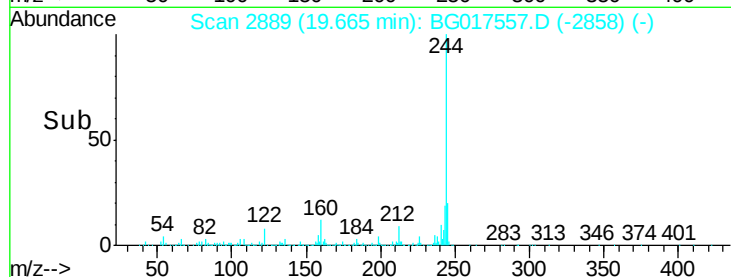
122 8.1 6.6 10.0



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: 20.00 ng

RT: 23.45 min Scan# 3533

Delta R.T. -0.03 min

Lab File: BG017557.D

Acq: 9 Jun 2015 3:43

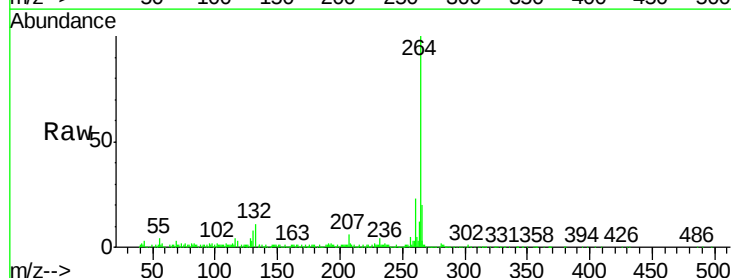
Tgt Ion:264 Resp: 144671

Ion Ratio Lower Upper

264 100

260 22.7 18.2 27.4

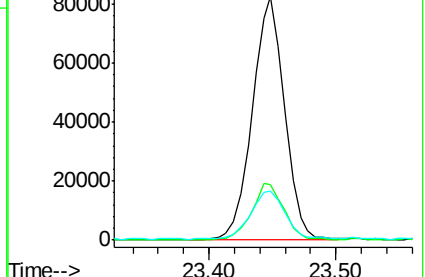
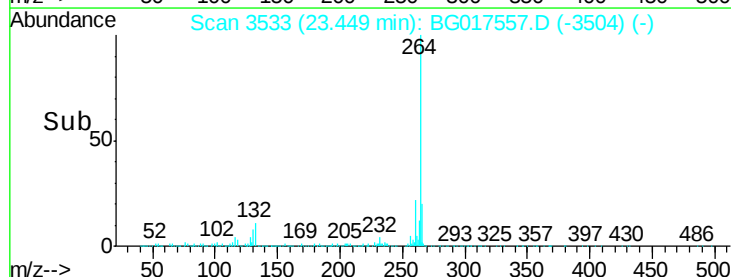
265 20.2 15.8 23.6

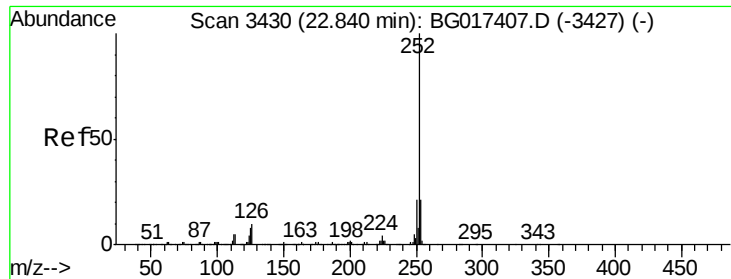


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#88

Benzo(k)fluoranthene

Concen: 2.10 ng

RT: 22.77 min Scan# 3418

Delta R.T. -0.08 min

Lab File: BG017557.D

Acq: 9 Jun 2015 3:43

Instrument :

BNA_G

ClientSampleId :

AVE-E-RA15.2(4)

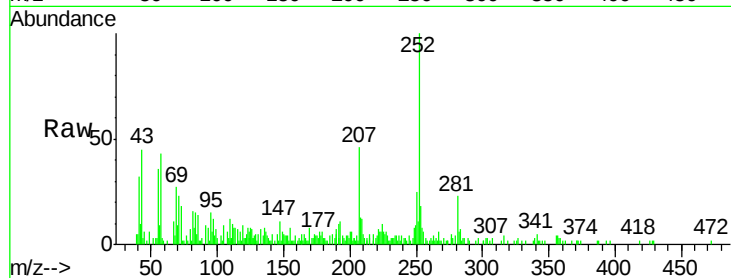
Tgt Ion: 252 Resp: 18416

Ion Ratio Lower Upper

252 100

253 18.0 17.7 26.5

125 8.3 6.5 9.7



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

