

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF120615\
 Data File : BF083536.D
 Acq On : 7 Dec 2015 1:17
 Operator : UM/IZ
 Sample : G4594-10
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 K209-33-33.5

Quant Time: Dec 07 05:06:41 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF120415.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Dec 05 04:12:46 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.73	152	166446	20.00	ng	-0.03
21) Naphthalene-d8	7.63	136	647541	20.00	ng	-0.05
38) Acenaphthene-d10	10.42	164	322404	20.00	ng	-0.05
63) Phenanthrene-d10	12.82	188	585061	20.00	ng	-0.03
75) Chrysene-d12	17.01	240	452908	20.00	ng	-0.03
86) Perylene-d12	18.65	264	336040	20.00	ng	-0.02

System Monitoring Compounds						
5) 2-Fluorophenol	4.01	112	1531291	139.57	ng	-0.02
7) Phenol-d6	5.30	99	2259392	149.47	ng	-0.02
23) Nitrobenzene-d5	6.57	82	1356270	97.91	ng	-0.03
41) 2,4,6-Tribromophenol	11.71	330	431103	144.96	ng	-0.05
44) 2-Fluorobiphenyl	9.38	172	1545419	65.02	ng	-0.05
78) Terphenyl-d14	15.45	244	1516024	74.48	ng	-0.03

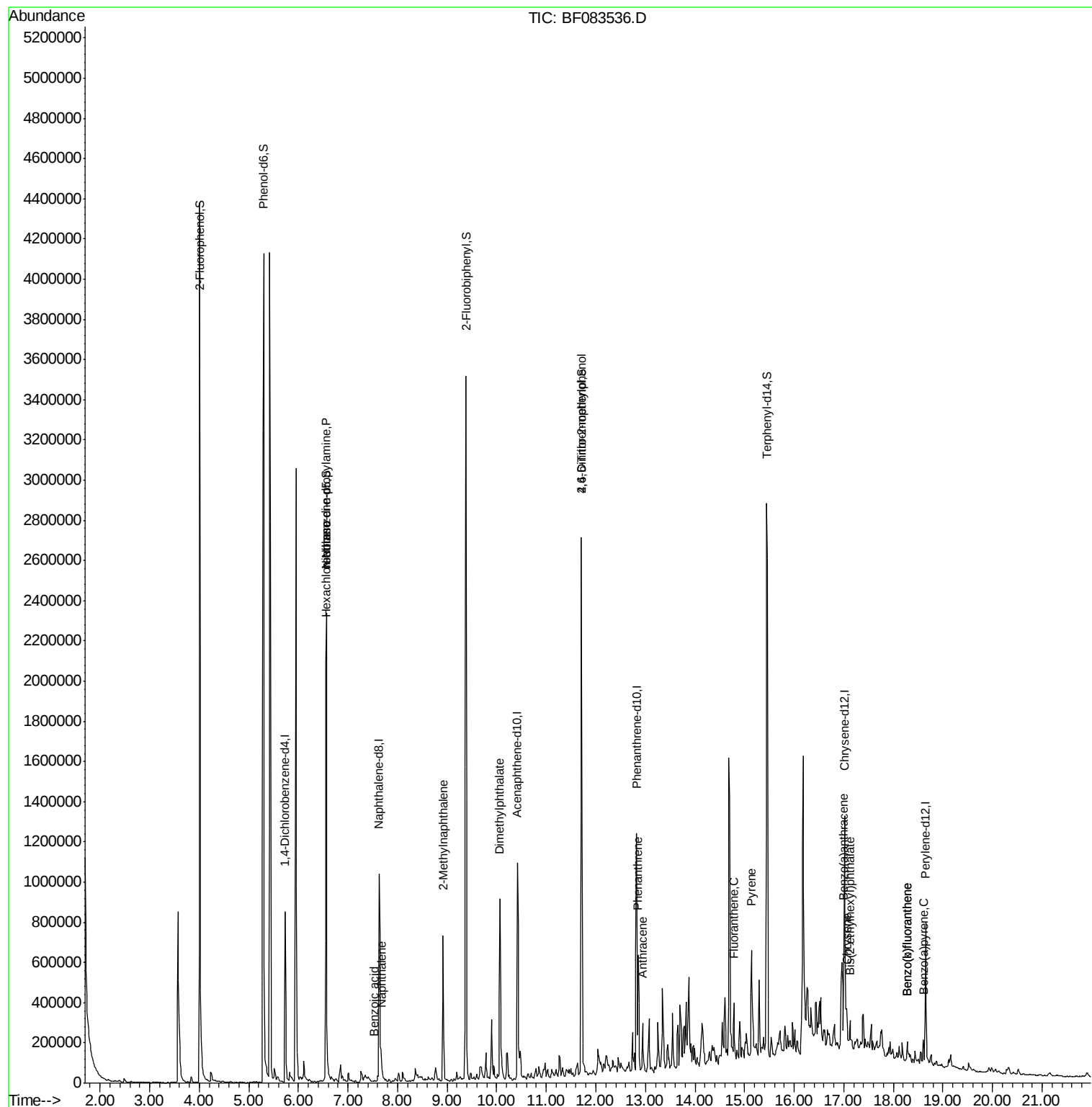
Target Compounds						Qvalue
18) Hexachloroethane	6.56	117	25439	5.27	ng	# 1
19) n-Nitroso-di-n-propylamine	6.57	70	177946	17.65	ng	# 77
31) Naphthalene	7.68	128	125482	3.64	ng	99
32) Benzoic acid	7.53	122	286	2.69	ng	# 79
37) 2-Methylnaphthalene	8.92	142	274315	12.87	ng	98
49) Dimethylphthalate	10.06	163	472330	18.61	ng	99
64) 4,6-Dinitro-2-methylphenol	11.71	198	905	3.70	ng	# 1
70) Phenanthrene	12.85	178	337405	9.91	ng	99
71) Anthracene	12.94	178	147748	4.25	ng	98
74) Fluoranthene	14.79	202	171721	5.09	ng	98
77) Pyrene	15.14	202	303525	8.96	ng	98
80) Benzo(a)anthracene	17.00	228	127229	4.80	ng	94
82) Chrysene	17.06	228	119270	4.52	ng	97
83) Bis(2-ethylhexyl)phthalate	17.13	149	35514	2.03	ng	97
87) Benzo(b)fluoranthene	18.28	252	67273	3.56	ng	# 96
88) Benzo(k)fluoranthene	18.28	252	67273	3.48	ng	99
89) Benzo(a)pyrene	18.60	252	60475	3.29	ng	98

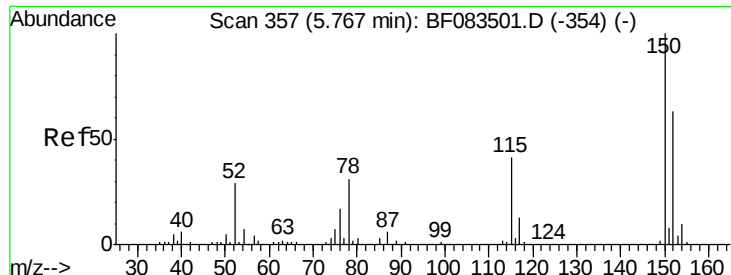
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 5.73 min Scan# 354

Delta R.T. -0.03 min

Lab File: BF083536.D

Acq: 7 Dec 2015 1:17

Instrument :

BNA_G

ClientSampleId :

K209-33-33.5

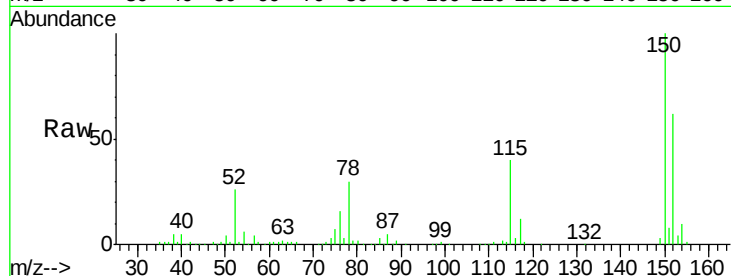
Tgt Ion:152 Resp: 166446

Ion Ratio Lower Upper

152 100

150 160.8 126.5 189.7

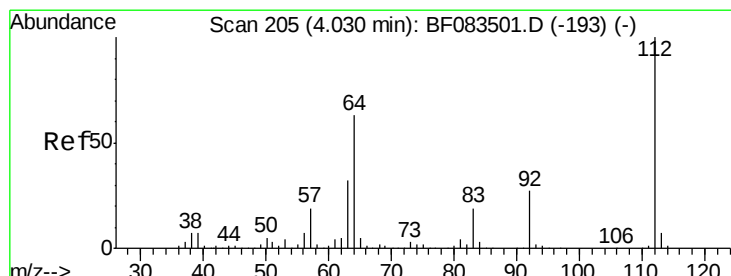
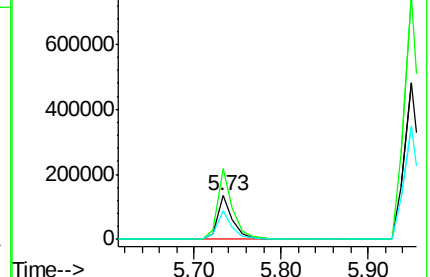
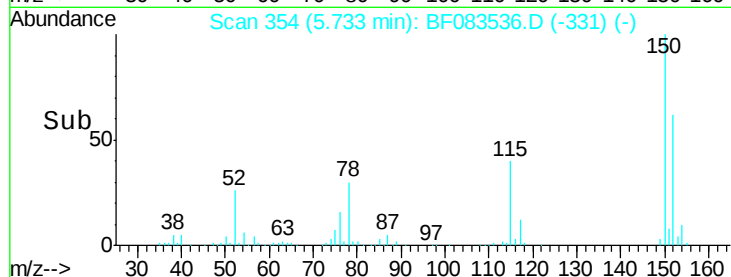
115 64.1 52.3 78.5



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: 139.57 ng

RT: 4.01 min Scan# 203

Delta R.T. -0.02 min

Lab File: BF083536.D

Acq: 7 Dec 2015 1:17

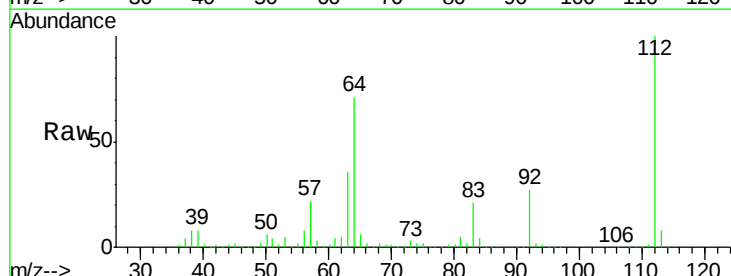
Tgt Ion:112 Resp: 1531291

Ion Ratio Lower Upper

112 100

64 71.0 50.5 75.7

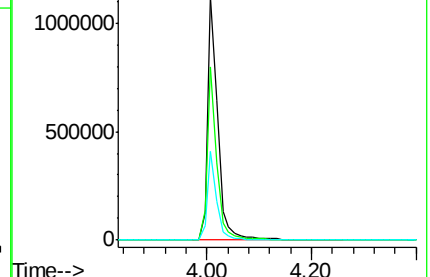
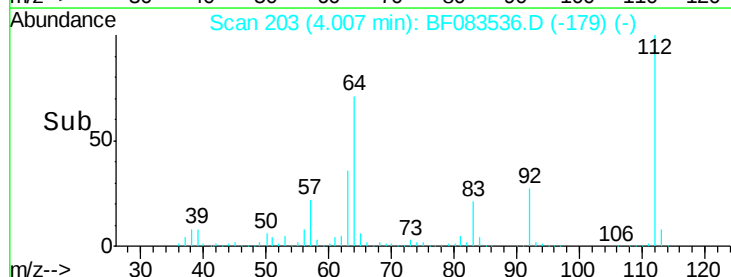
63 36.2 25.8 38.6

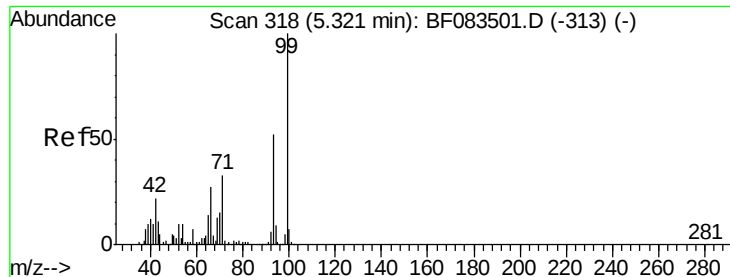


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 149.47 ng

RT: 5.30 min Scan# 316

Delta R.T. -0.02 min

Lab File: BF083536.D

Acq: 7 Dec 2015 1:17

Instrument :

BNA_G

ClientSampleId :

K209-33-33.5

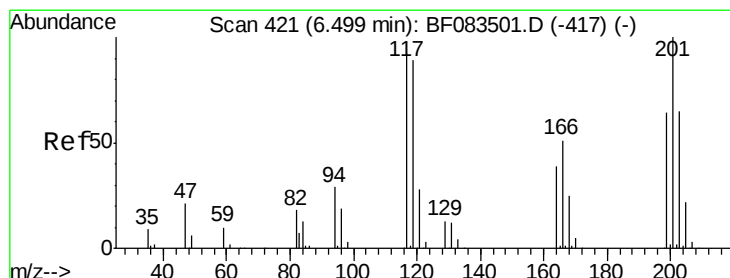
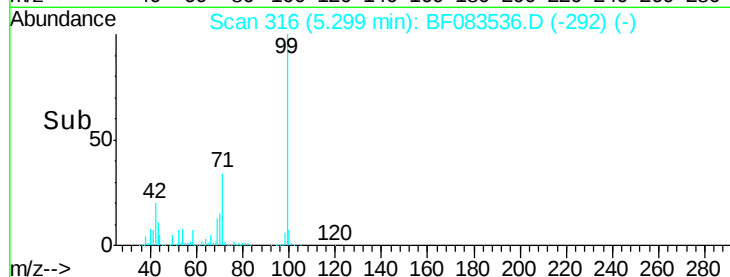
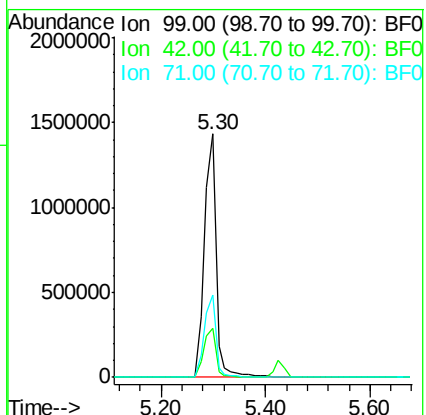
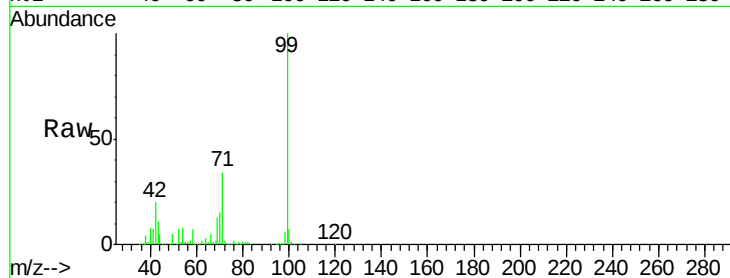
Tgt Ion: 99 Resp: 2259392

Ion Ratio Lower Upper

99 100

42 20.4 17.3 25.9

71 33.7 26.6 40.0



#18

Hexachloroethane

Concen: 5.27 ng

RT: 6.56 min Scan# 426

Delta R.T. 0.06 min

Lab File: BF083536.D

Acq: 7 Dec 2015 1:17

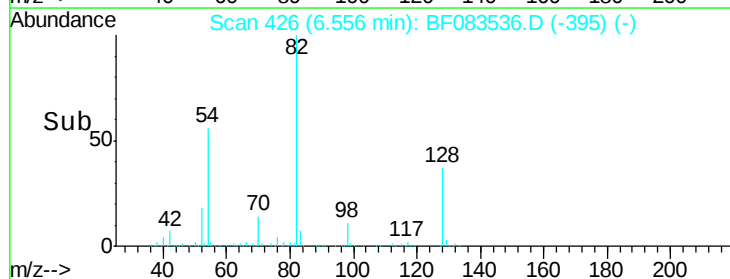
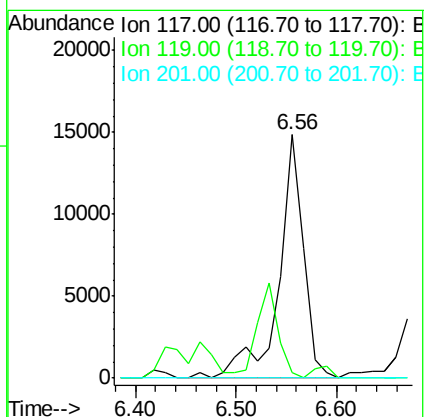
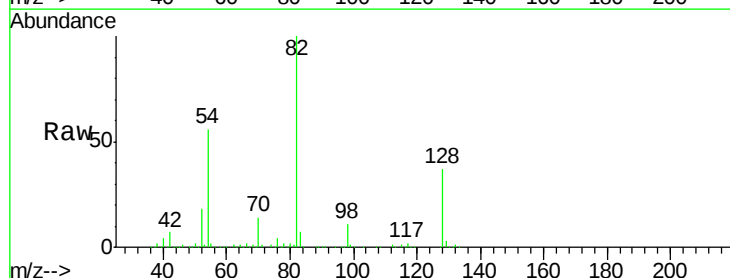
Tgt Ion: 117 Resp: 25439

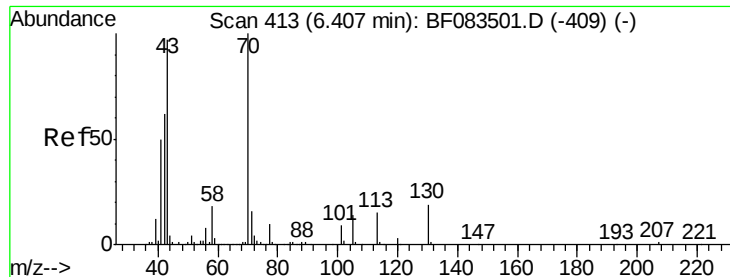
Ion Ratio Lower Upper

117 100

119 2.4 77.2 115.8#

201 0.0 86.8 130.2#

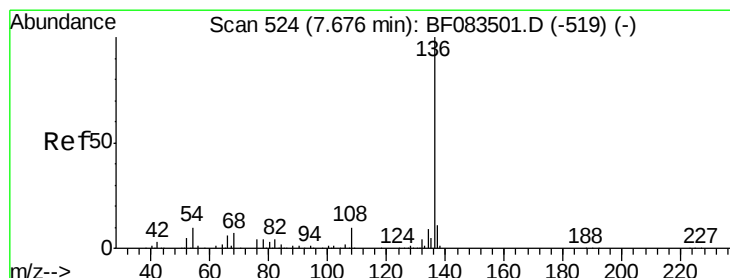
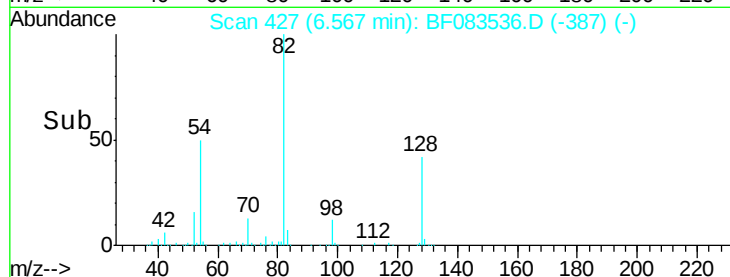
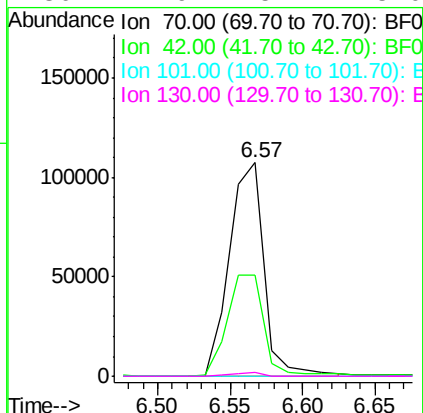
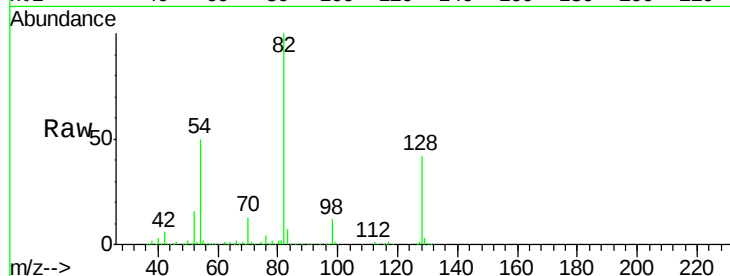




#19
n-Nitroso-di-n-propylamine
Concen: 17.65 ng
RT: 6.57 min Scan# 427
Delta R.T. 0.16 min
Lab File: BF083536.D
Acq: 7 Dec 2015 1:17

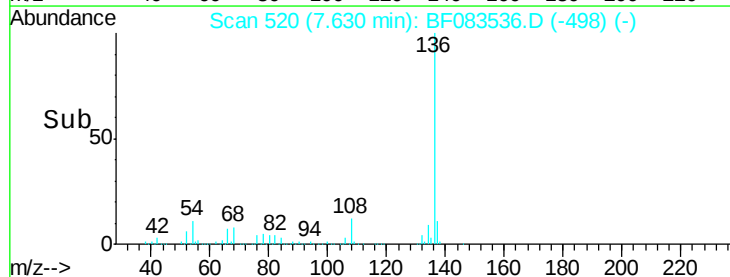
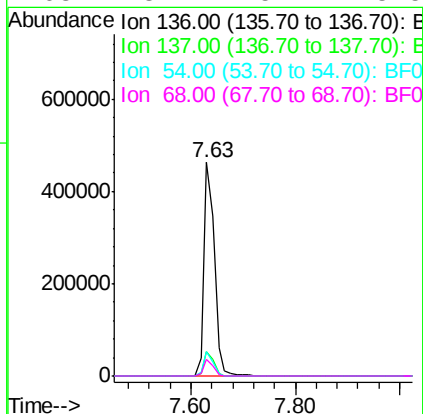
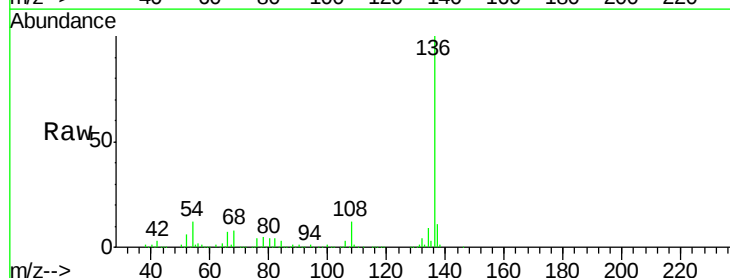
Instrument :
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K209-33-33.5

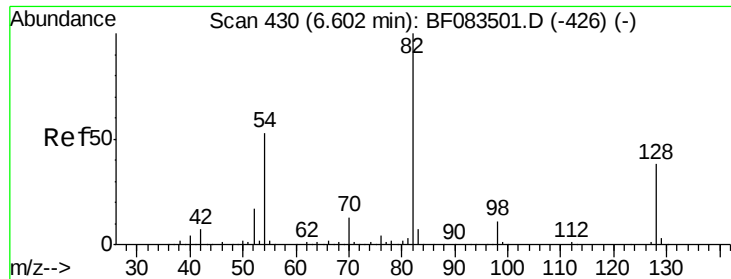
Tgt Ion: 70 Resp: 177946
Ion Ratio Lower Upper
70 100
42 47.4 49.2 73.8#
101 0.0 7.1 10.7#
130 1.9 15.4 23.0#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.63 min Scan# 520
Delta R.T. -0.05 min
Lab File: BF083536.D
Acq: 7 Dec 2015 1:17

Tgt Ion: 136 Resp: 647541
Ion Ratio Lower Upper
136 100
137 11.3 8.7 13.1
54 11.5 7.8 11.6
68 8.1 5.7 8.5

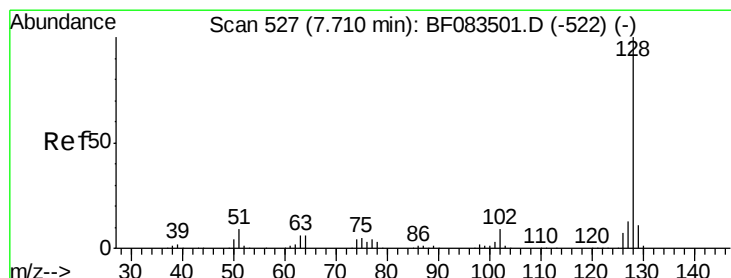
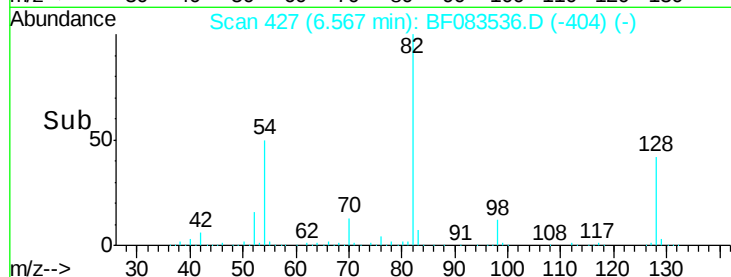
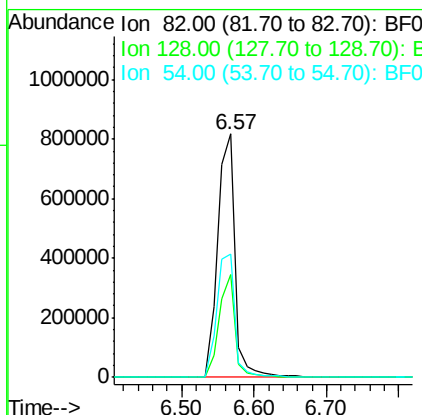
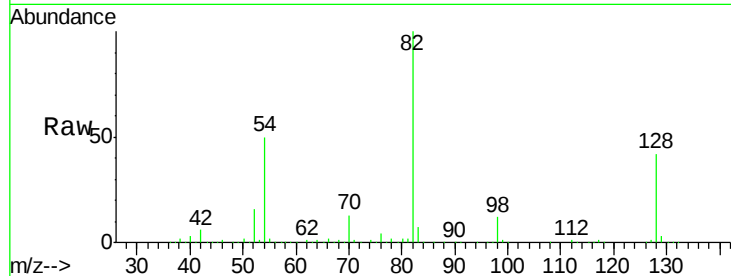




#23
 Nitrobenzene-d5
 Concen: 97.91 ng
 RT: 6.57 min Scan# 427
 Delta R.T. -0.03 min
 Lab File: BF083536.D
 Acq: 7 Dec 2015 1:17

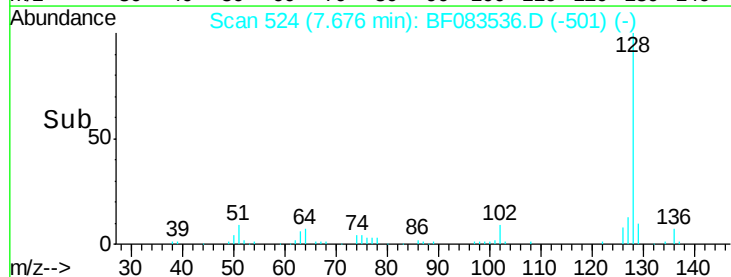
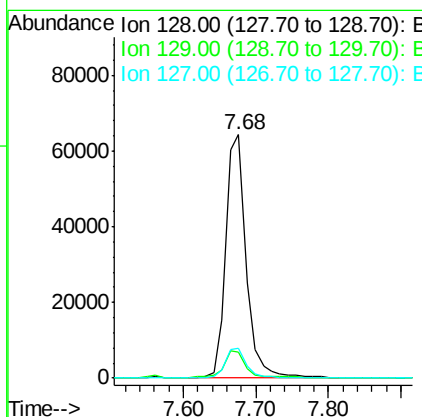
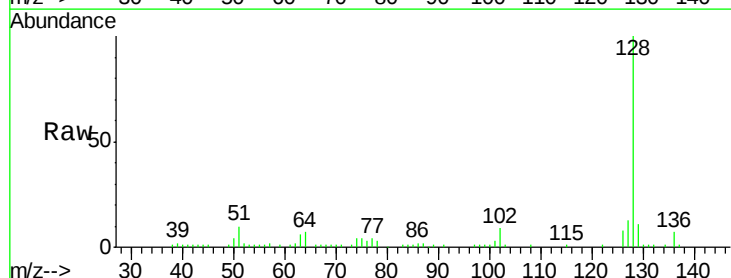
Instrument :
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 ClientSampleId :
 K209-33-33.5

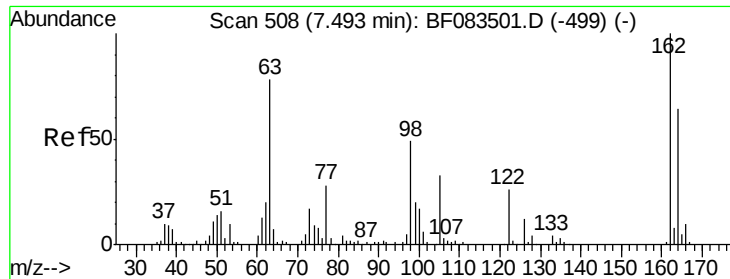
Tgt Ion: 82 Resp: 1356270
 Ion Ratio Lower Upper
 82 100
 128 42.0 30.7 46.1
 54 50.4 42.5 63.7



#31
 Naphthalene
 Concen: 3.64 ng
 RT: 7.68 min Scan# 524
 Delta R.T. -0.03 min
 Lab File: BF083536.D
 Acq: 7 Dec 2015 1:17

Tgt Ion: 128 Resp: 125482
 Ion Ratio Lower Upper
 128 100
 129 10.7 8.6 13.0
 127 12.5 10.6 16.0

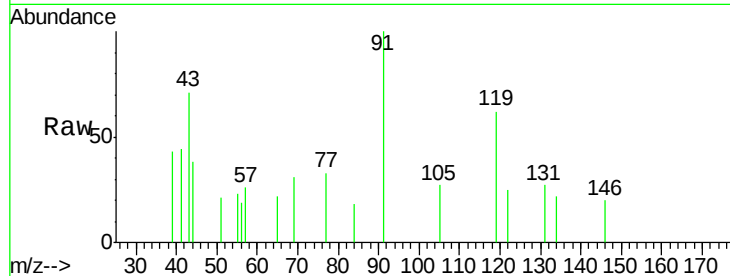




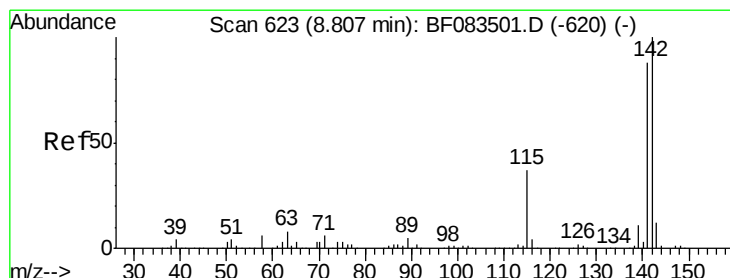
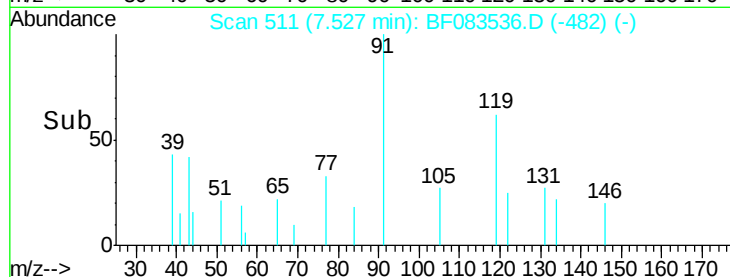
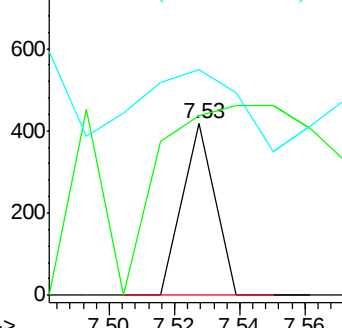
#32
Benzoic acid
Concen: 2.69 ng
RT: 7.53 min Scan# 511
Delta R.T. 0.03 min
Lab File: BF083536.D
Acq: 7 Dec 2015 1:17

Instrument :
BNA_G
ClientSampleId :
K209-33-33.5

Tgt Ion:122 Resp: 286
Ion Ratio Lower Upper
122 100
105 105.0 105.6 145.6#
77 131.4 86.8 126.8#

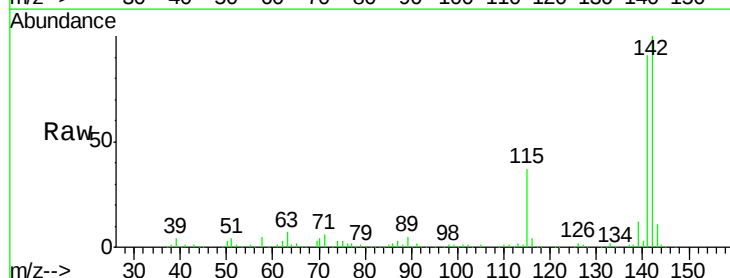


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BF0

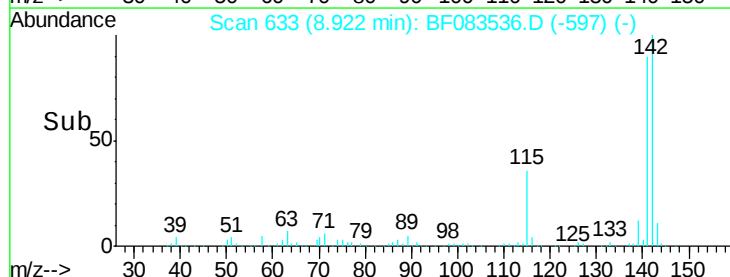
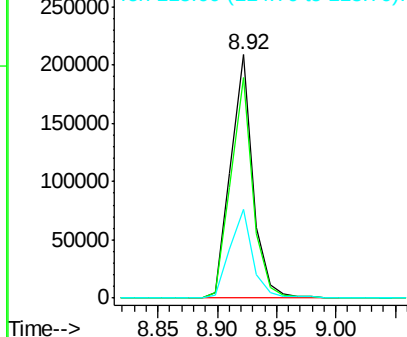


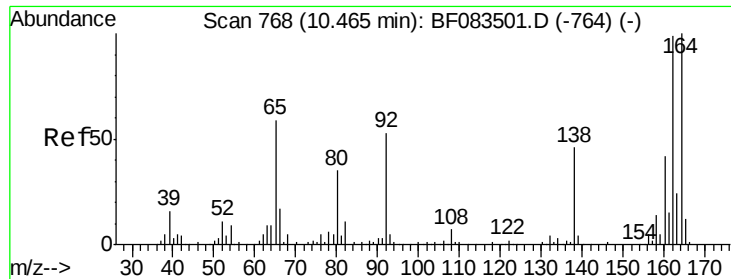
#37
2-Methylnaphthalene
Concen: 12.87 ng
RT: 8.92 min Scan# 633
Delta R.T. 0.11 min
Lab File: BF083536.D
Acq: 7 Dec 2015 1:17

Tgt Ion:142 Resp: 274315
Ion Ratio Lower Upper
142 100
141 90.7 70.3 105.5
115 36.5 29.2 43.8



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

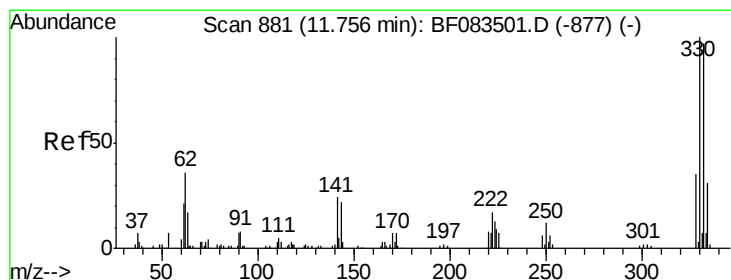
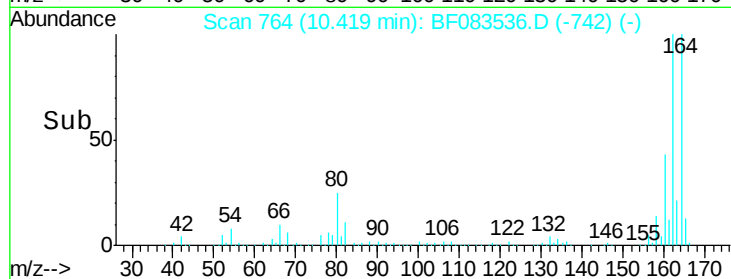
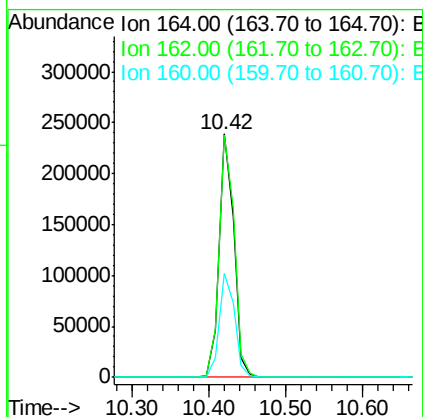
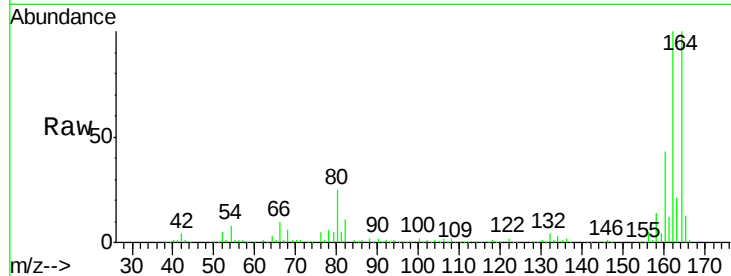




#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.42 min Scan# 764
 Delta R.T. -0.05 min
 Lab File: BF083536.D
 Acq: 7 Dec 2015 1:17

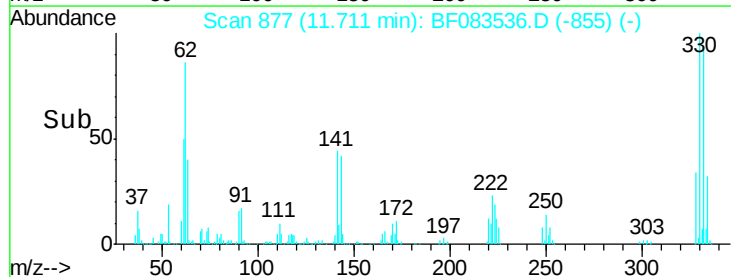
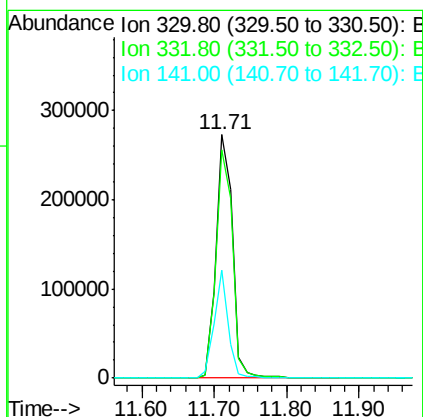
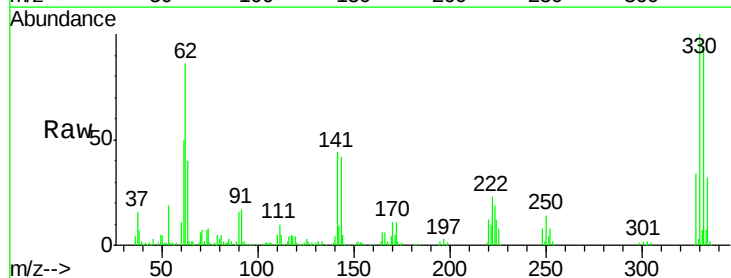
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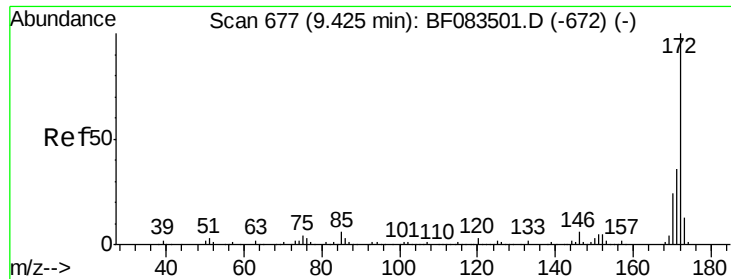
Tgt Ion:164 Resp: 322404
 Ion Ratio Lower Upper
 164 100
 162 99.8 78.8 118.2
 160 42.7 33.4 50.2



#41
 2,4,6-Tribromophenol
 Concen: 144.96 ng
 RT: 11.71 min Scan# 877
 Delta R.T. -0.05 min
 Lab File: BF083536.D
 Acq: 7 Dec 2015 1:17

Tgt Ion:330 Resp: 431103
 Ion Ratio Lower Upper
 330 100
 332 95.0 0.0 0.0#
 141 38.6 0.0 0.0#

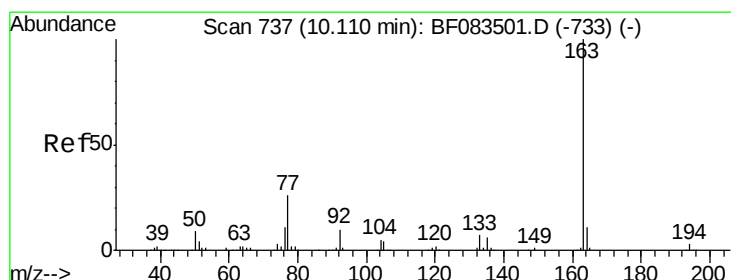
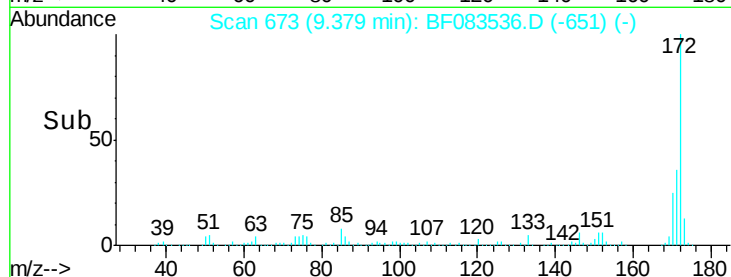
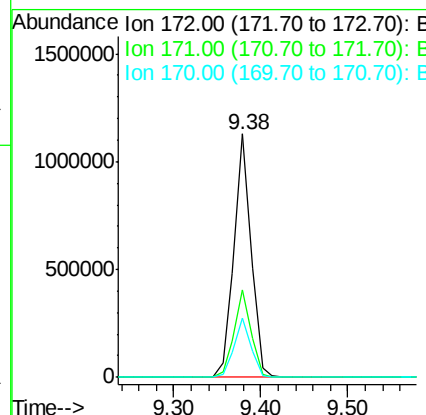
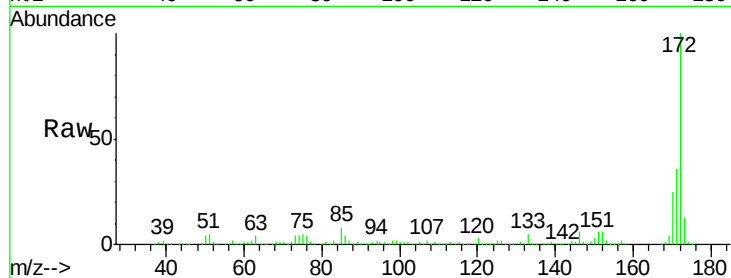




#44
 2-Fluorobiphenyl
 Concen: 65.02 ng
 RT: 9.38 min Scan# 673
 Delta R.T. -0.05 min
 Lab File: BF083536.D
 Acq: 7 Dec 2015 1:17

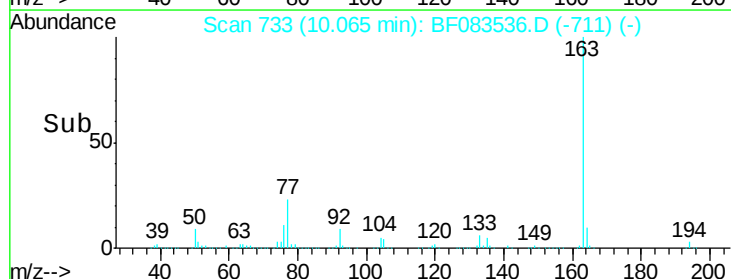
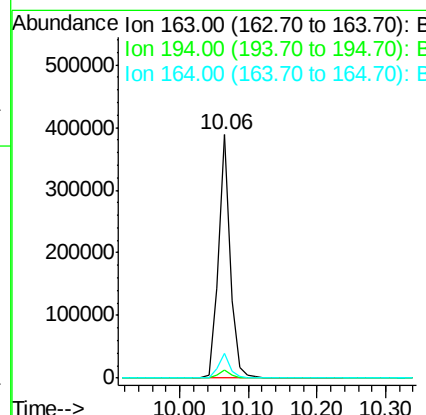
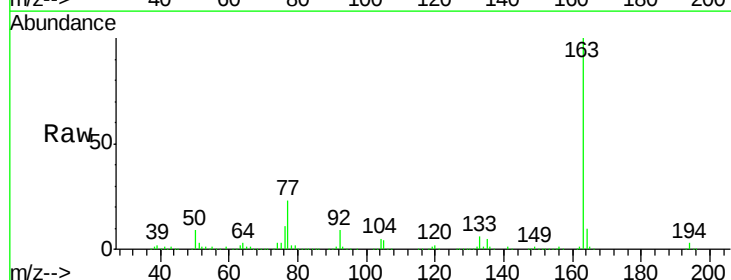
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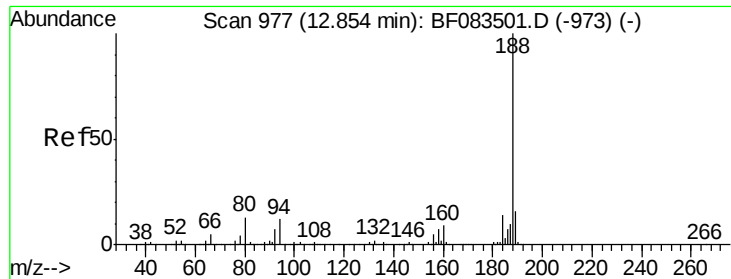
Tgt Ion:172 Resp: 1545419
 Ion Ratio Lower Upper
 172 100
 171 36.0 28.6 42.8
 170 24.6 19.4 29.0



#49
 Dimethylphthalate
 Concen: 18.61 ng
 RT: 10.06 min Scan# 733
 Delta R.T. -0.05 min
 Lab File: BF083536.D
 Acq: 7 Dec 2015 1:17

Tgt Ion:163 Resp: 472330
 Ion Ratio Lower Upper
 163 100
 194 3.3 2.8 4.2
 164 10.1 8.6 13.0

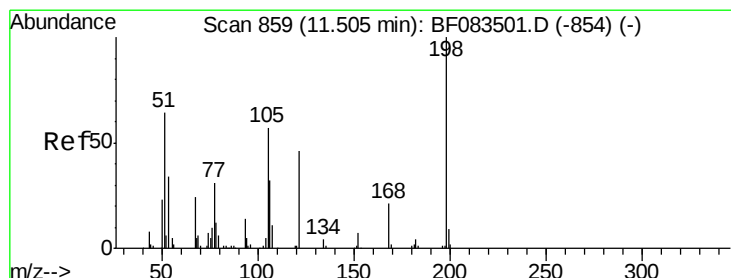
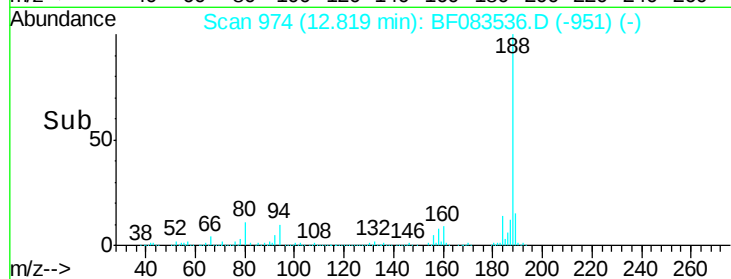
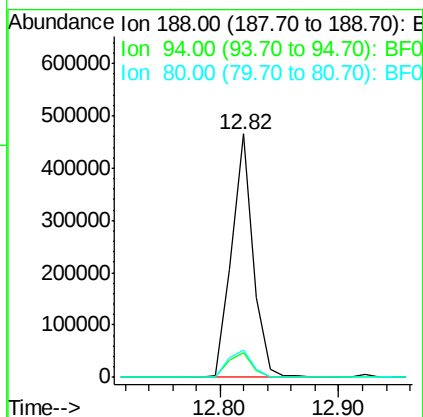
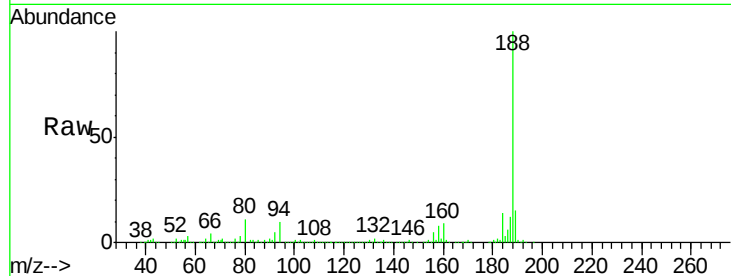




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.82 min Scan# 974
Delta R.T. -0.03 min
Lab File: BF083536.D
Acq: 7 Dec 2015 1:17

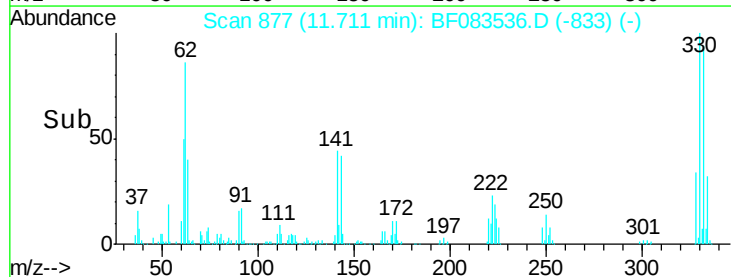
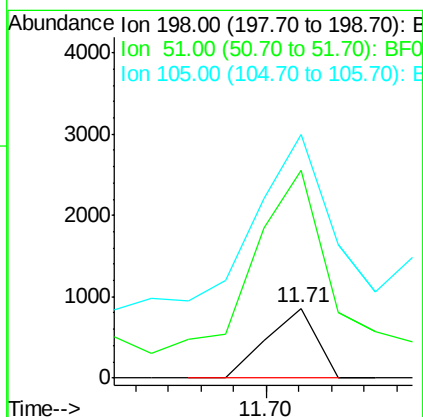
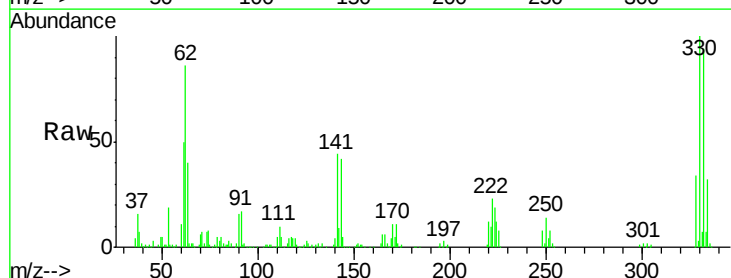
Instrument :
BNA_G
ClientSampleId :
K209-33-33.5

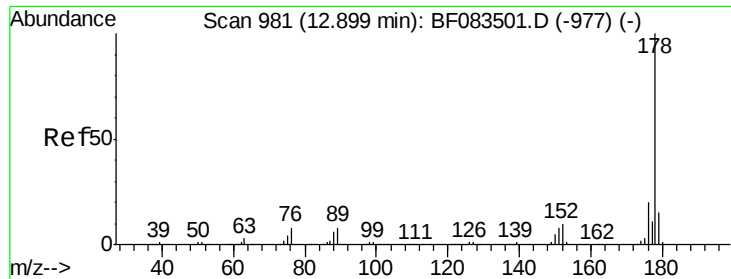
Tgt Ion:188 Resp: 585061
Ion Ratio Lower Upper
188 100
94 10.0 9.4 14.2
80 11.3 10.6 16.0



#64
4,6-Dinitro-2-methylphenol
Concen: 3.70 ng
RT: 11.71 min Scan# 877
Delta R.T. 0.21 min
Lab File: BF083536.D
Acq: 7 Dec 2015 1:17

Tgt Ion:198 Resp: 905
Ion Ratio Lower Upper
198 100
51 297.8 53.8 93.8#
105 349.8 38.6 78.6#

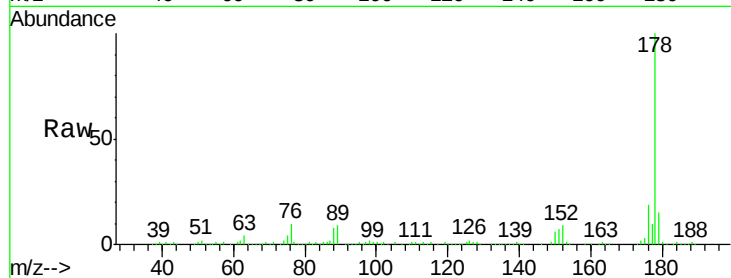




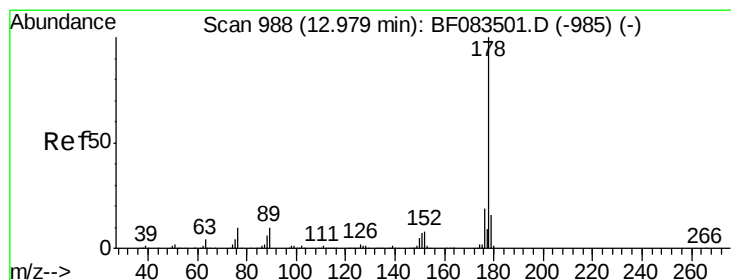
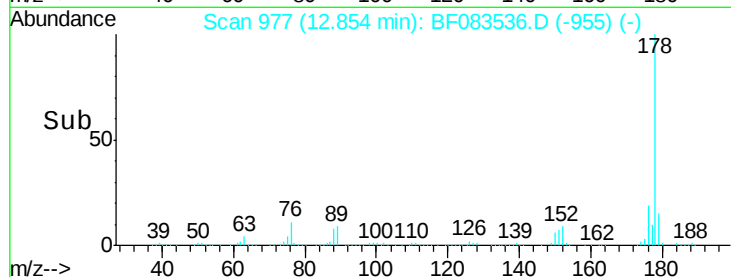
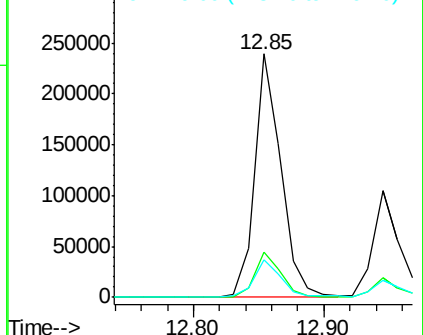
#70
Phenanthrene
Concen: 9.91 ng
RT: 12.85 min Scan# 977
Delta R.T. -0.05 min
Lab File: BF083536.D
Acq: 7 Dec 2015 1:17

Instrument :
BNA_G
ClientSampleId :
K209-33-33.5

Tgt Ion:178 Resp: 337405
Ion Ratio Lower Upper
178 100
176 18.6 15.7 23.5
179 15.5 12.2 18.4

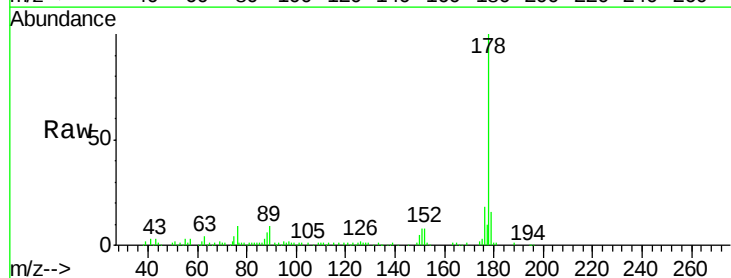


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

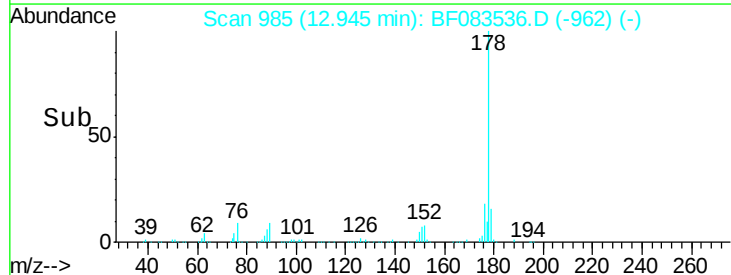
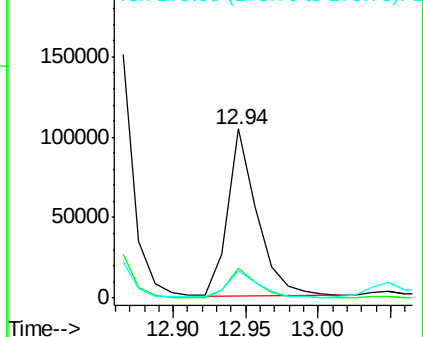


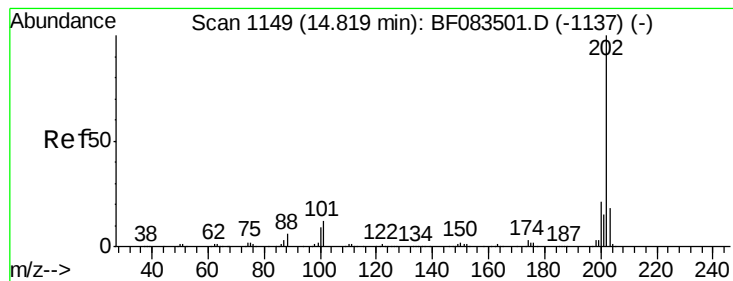
#71
Anthracene
Concen: 4.25 ng
RT: 12.94 min Scan# 985
Delta R.T. -0.03 min
Lab File: BF083536.D
Acq: 7 Dec 2015 1:17

Tgt Ion:178 Resp: 147748
Ion Ratio Lower Upper
178 100
176 17.9 15.2 22.8
179 16.3 12.6 18.8



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 5.09 ng

RT: 14.79 min Scan# 1146

Delta R.T. -0.03 min

Lab File: BF083536.D

Acq: 7 Dec 2015 1:17

Instrument :

BNA_G

ClientSampleId :

K209-33-33.5

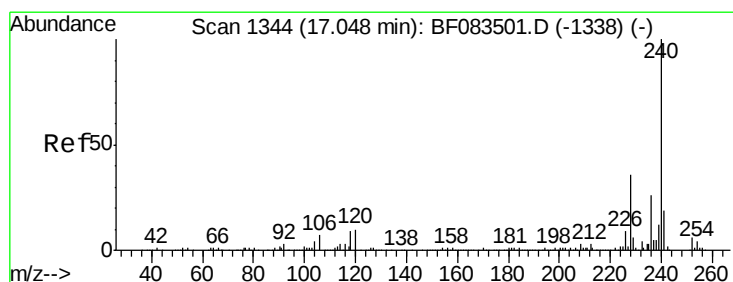
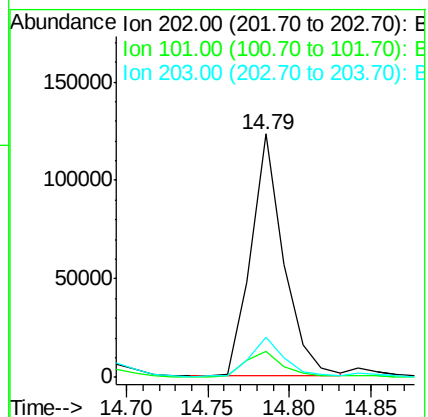
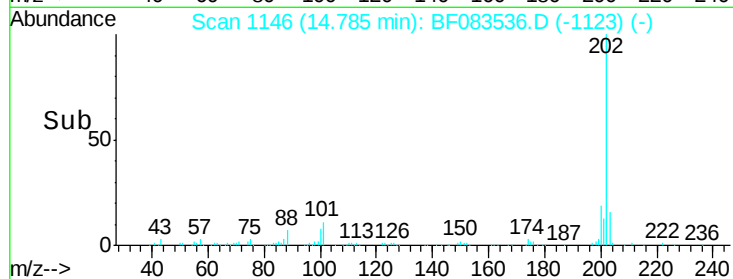
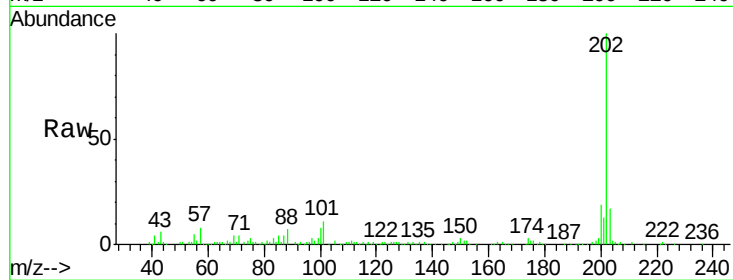
Tgt Ion:202 Resp: 171721

Ion Ratio Lower Upper

202 100

101 10.8 0.0 31.5

203 16.6 0.0 37.6



#75

Chrysene-d12

Concen: 20.00 ng

RT: 17.01 min Scan# 1341

Delta R.T. -0.03 min

Lab File: BF083536.D

Acq: 7 Dec 2015 1:17

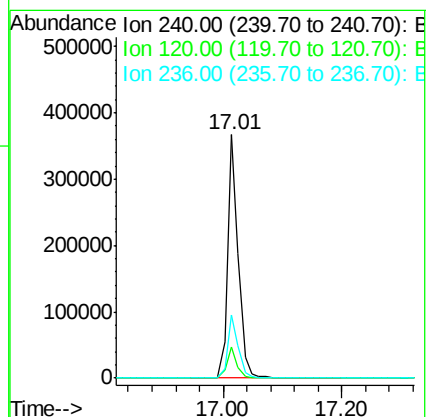
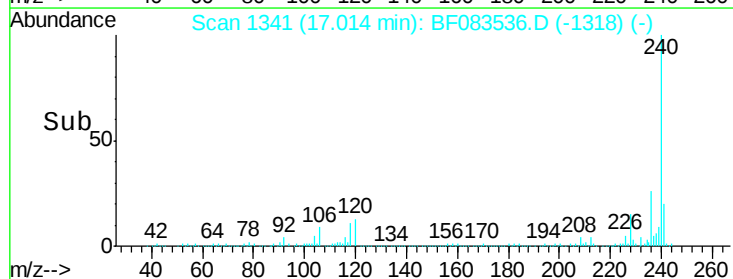
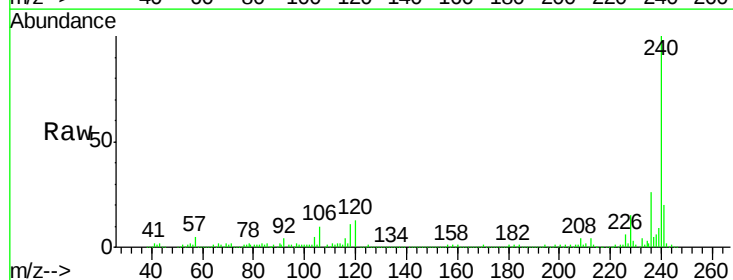
Tgt Ion:240 Resp: 452908

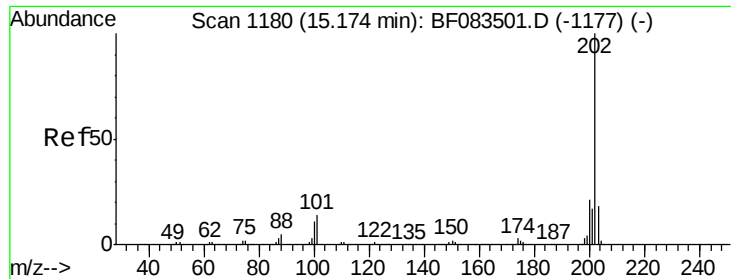
Ion Ratio Lower Upper

240 100

120 12.9 8.1 12.1#

236 25.7 20.8 31.2





#77

Pyrene

Concen: 8.96 ng

RT: 15.14 min Scan# 1177

Delta R.T. -0.03 min

Lab File: BF083536.D

Acq: 7 Dec 2015 1:17

Instrument :

BNA_G

ClientSampleId :

K209-33-33.5

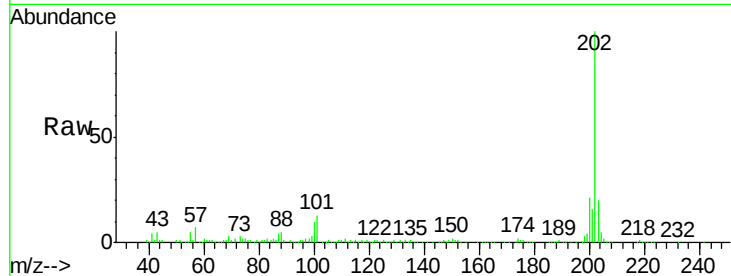
Tgt Ion:202 Resp: 303525

Ion Ratio Lower Upper

202 100

200 21.0 16.7 25.1

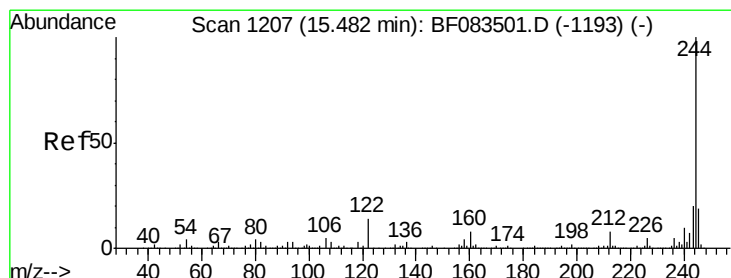
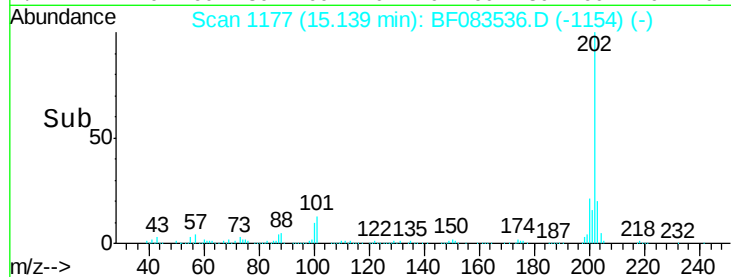
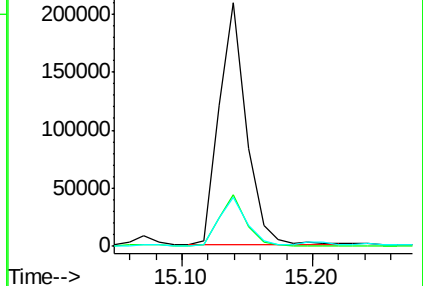
203 20.2 14.3 21.5



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: 74.48 ng

RT: 15.45 min Scan# 1204

Delta R.T. -0.03 min

Lab File: BF083536.D

Acq: 7 Dec 2015 1:17

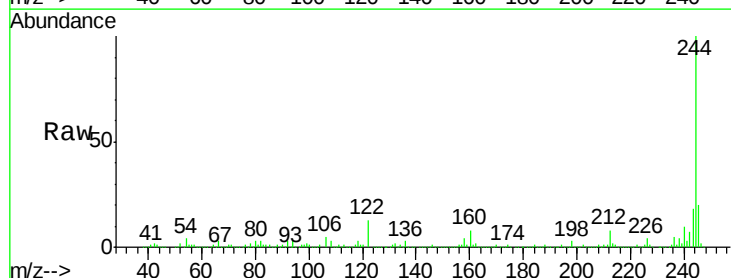
Tgt Ion:244 Resp: 1516024

Ion Ratio Lower Upper

244 100

212 7.7 6.1 9.1

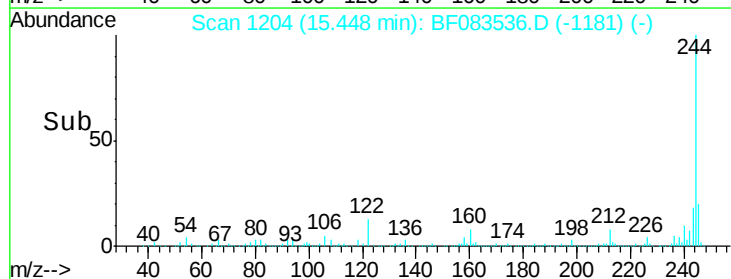
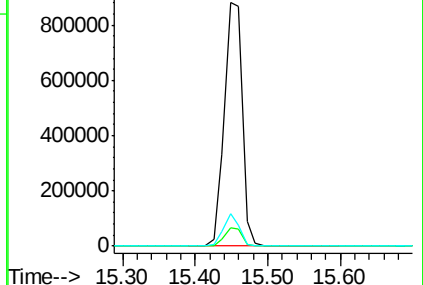
122 13.3 11.0 16.6

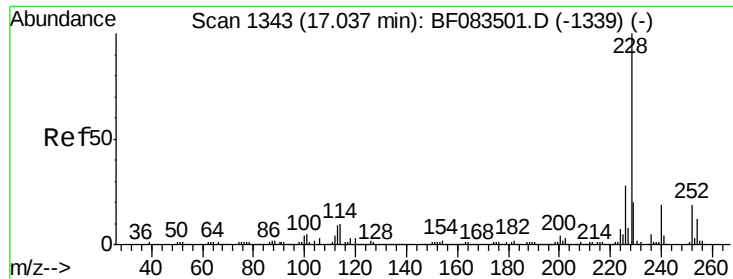


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 4.80 ng

RT: 17.00 min Scan# 1340

Delta R.T. -0.03 min

Lab File: BF083536.D

Acq: 7 Dec 2015 1:17

Instrument :

BNA_G

ClientSampleId :

K209-33-33.5

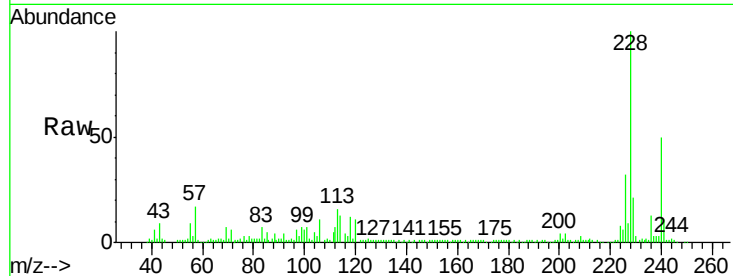
Tgt Ion:228 Resp: 127229

Ion Ratio Lower Upper

228 100

226 32.0 22.3 33.5

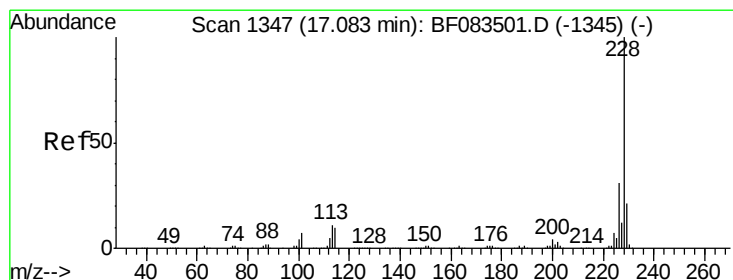
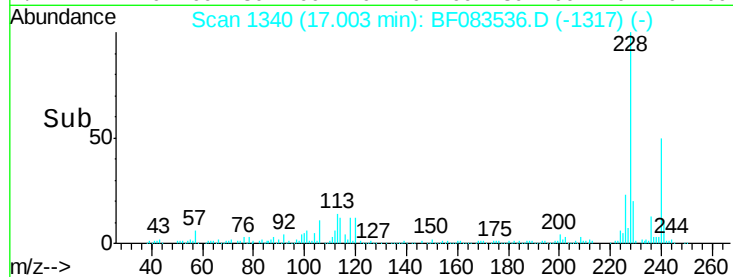
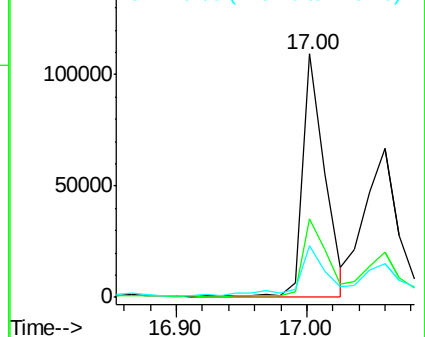
229 21.1 15.7 23.5



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

Chrysene

Concen: 4.52 ng

RT: 17.06 min Scan# 1345

Delta R.T. -0.02 min

Lab File: BF083536.D

Acq: 7 Dec 2015 1:17

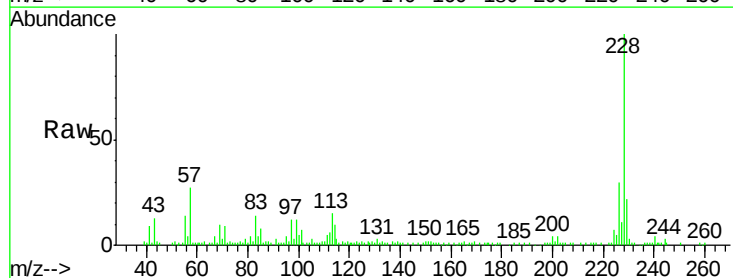
Tgt Ion:228 Resp: 119270

Ion Ratio Lower Upper

228 100

226 30.1 24.7 37.1

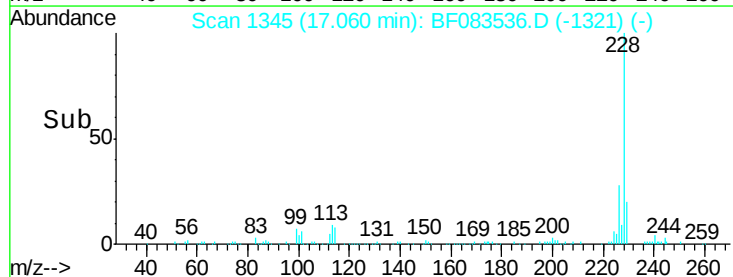
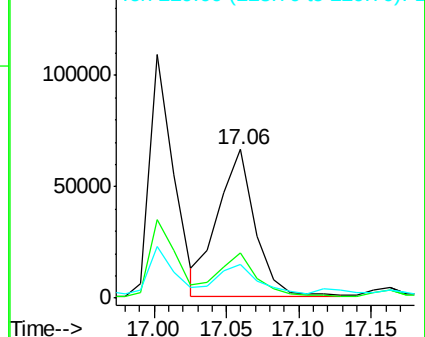
229 22.4 16.3 24.5

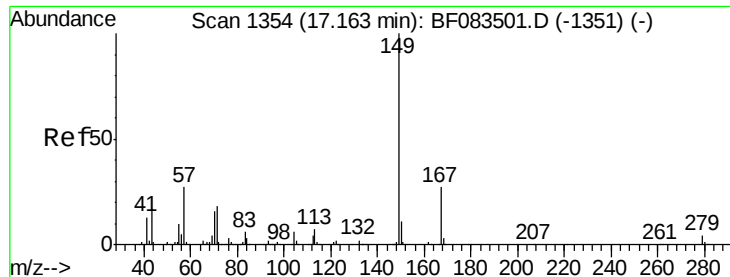


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

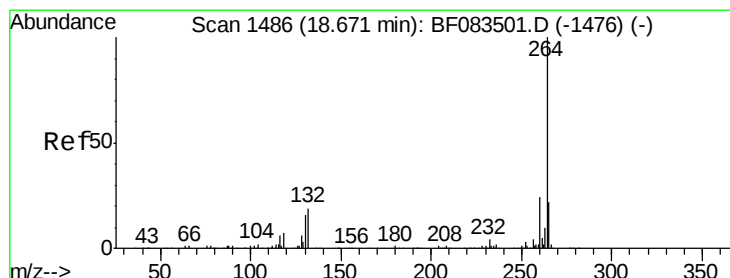
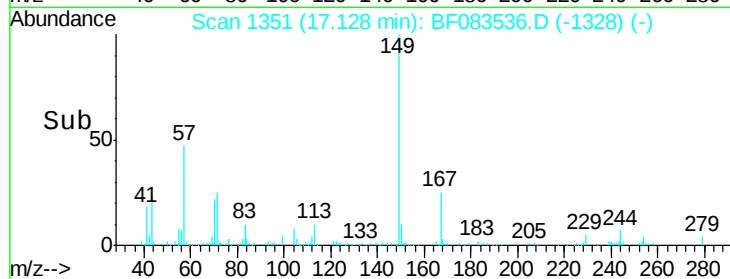
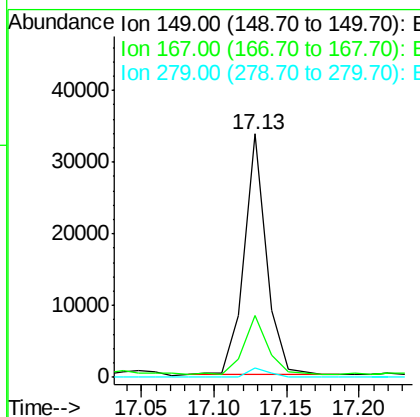
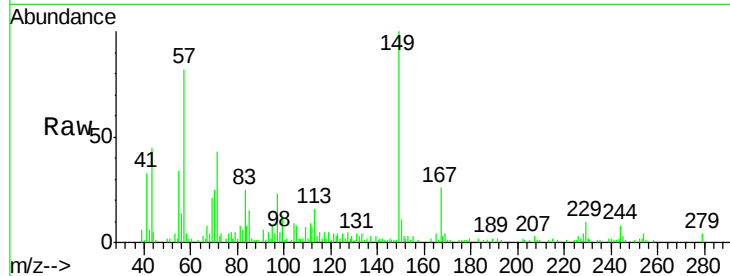




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 2.03 ng
 RT: 17.13 min Scan# 1351
 Delta R.T. -0.03 min
 Lab File: BF083536.D
 Acq: 7 Dec 2015 1:17

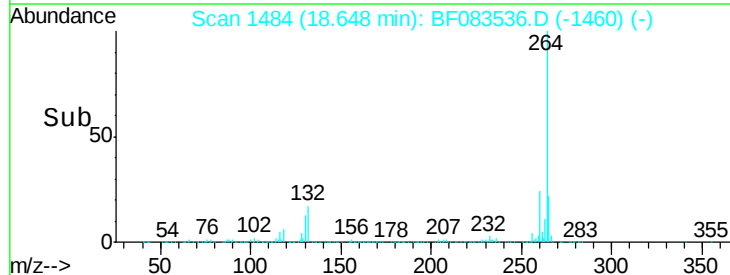
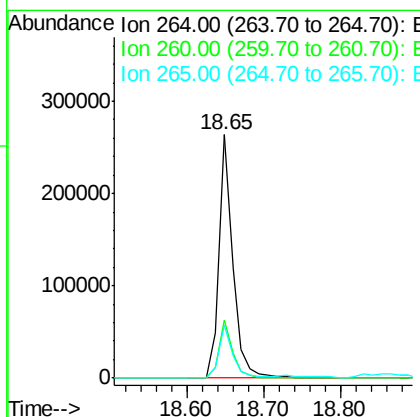
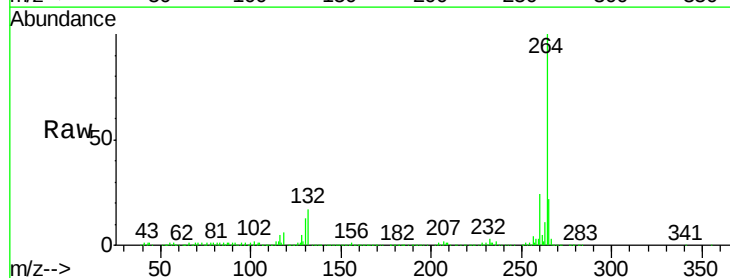
Instrument :
 BNA_G
 ClientSampleId :
 K209-33-33.5

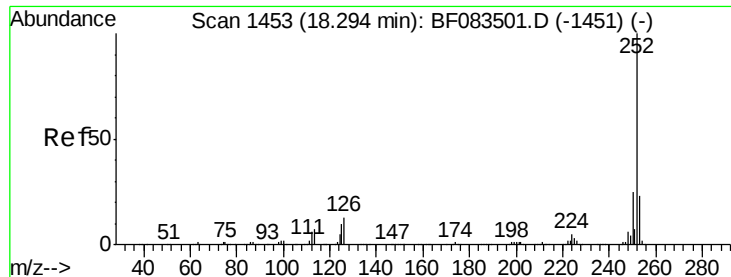
Tgt Ion:149 Resp: 35514
 Ion Ratio Lower Upper
 149 100
 167 25.6 21.8 32.8
 279 3.8 3.0 4.4



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 18.65 min Scan# 1484
 Delta R.T. -0.02 min
 Lab File: BF083536.D
 Acq: 7 Dec 2015 1:17

Tgt Ion:264 Resp: 336040
 Ion Ratio Lower Upper
 264 100
 260 23.7 19.4 29.0
 265 22.0 17.8 26.6





#87

Benzo(b)fluoranthene

Concen: 3.56 ng

RT: 18.28 min Scan# 1452

Delta R.T. -0.01 min

Lab File: BF083536.D

Acq: 7 Dec 2015 1:17

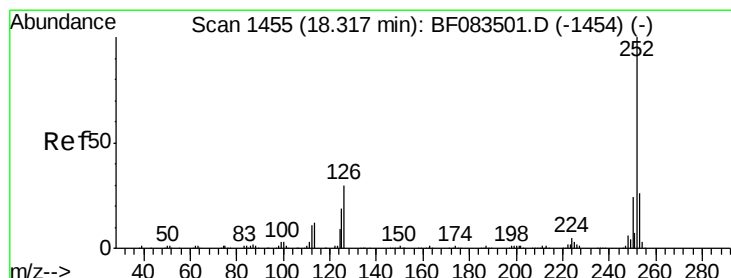
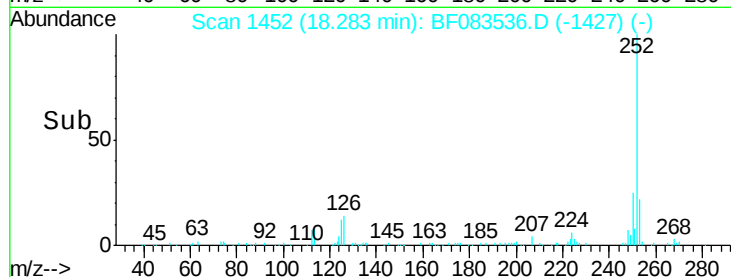
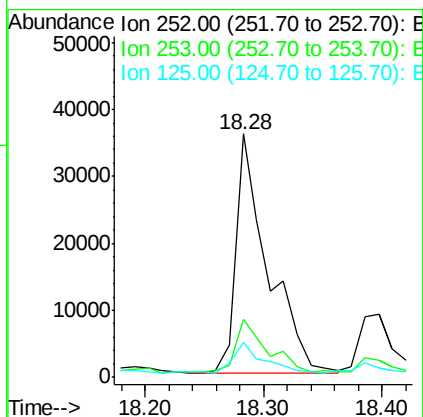
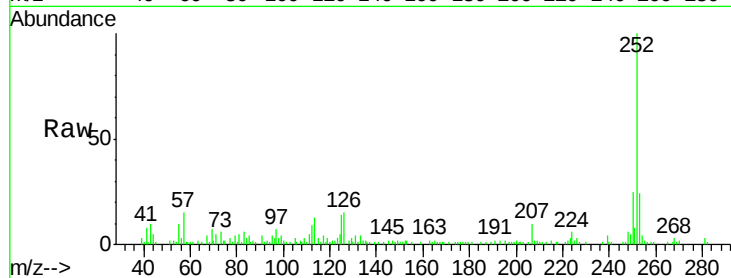
Instrument :

BNA_G

ClientSampleId :

K209-33-33.5

Tgt Ion:	252	Resp:	67273
Ion Ratio	Lower	Upper	
252	100		
253	23.6	18.2	27.4
125	14.1	8.2	12.4#



#88

Benzo(k)fluoranthene

Concen: 3.48 ng

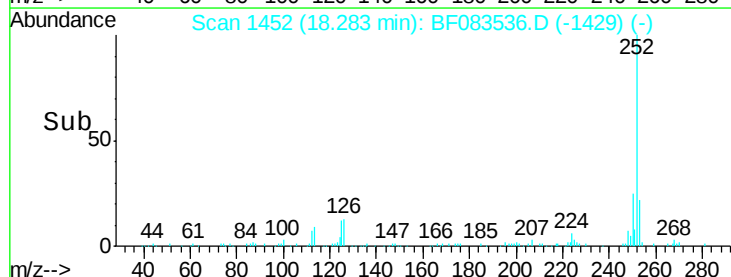
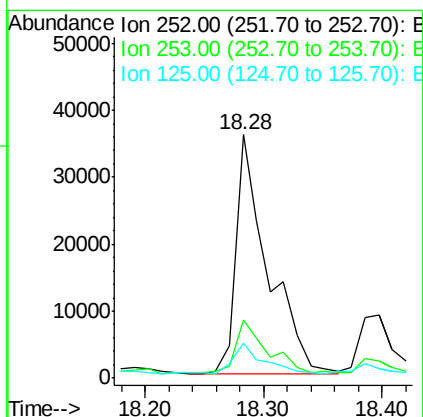
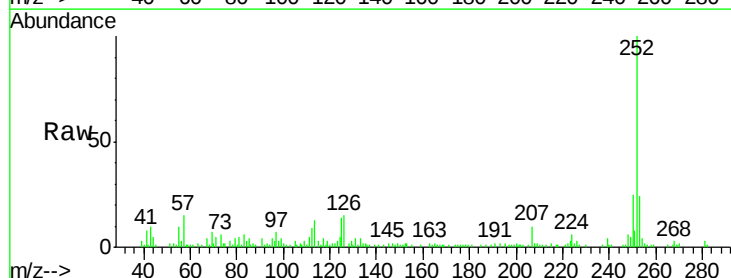
RT: 18.28 min Scan# 1452

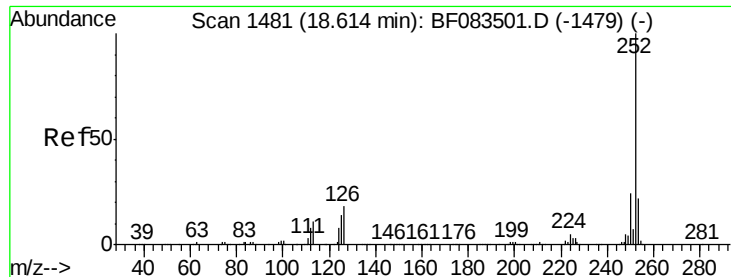
Delta R.T. -0.03 min

Lab File: BF083536.D

Acq: 7 Dec 2015 1:17

Tgt Ion:	252	Resp:	67273
Ion Ratio	Lower	Upper	
252	100		
253	23.6	18.6	27.8
125	14.1	11.5	17.3





#89

Benzo(a)pyrene

Concen: 3.29 ng

RT: 18.60 min Scan# 1480

Delta R.T. -0.01 min

Lab File: BF083536.D

Acq: 7 Dec 2015 1:17

Instrument :

BNA_G

ClientSampleId :

K209-33-33.5

Tgt Ion: 252 Resp: 60475

Ion Ratio Lower Upper

252 100

253 22.5 17.5 26.3

125 13.0 11.0 16.6

