

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF061115\
 Data File : BF079905.D
 Acq On : 11 Jun 2015 20:04
 Operator : TP/IZ
 Sample : G2556-06DL 5X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 FB060515DL

Quant Time: Jun 12 04:29:19 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF061115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 12 00:59:58 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.39	152	42232	20.00	ng	0.00
21) Naphthalene-d8	8.68	136	168664	20.00	ng	0.00
38) Acenaphthene-d10	10.46	164	84415	20.00	ng	0.00
63) Phenanthrene-d10	11.97	188	187549	20.00	ng	-0.01
75) Chrysene-d12	14.95	240	204484	20.00	ng	-0.05
86) Perylene-d12	16.87	264	188461	20.00	ng	-0.06

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	6.00	112	26613	10.56	ng	0.00
7) Phenol-d6	6.98	99	21019	6.37	ng	-0.01
23) Nitrobenzene-d5	7.94	82	34661	12.22	ng	-0.01
41) 2,4,6-Tribromophenol	11.26	330	13698	18.18	ng	0.00
44) 2-Fluorobiphenyl	9.76	172	131971	22.03	ng	0.00
78) Terphenyl-d14	13.67	244	139018	15.45	ng	-0.02

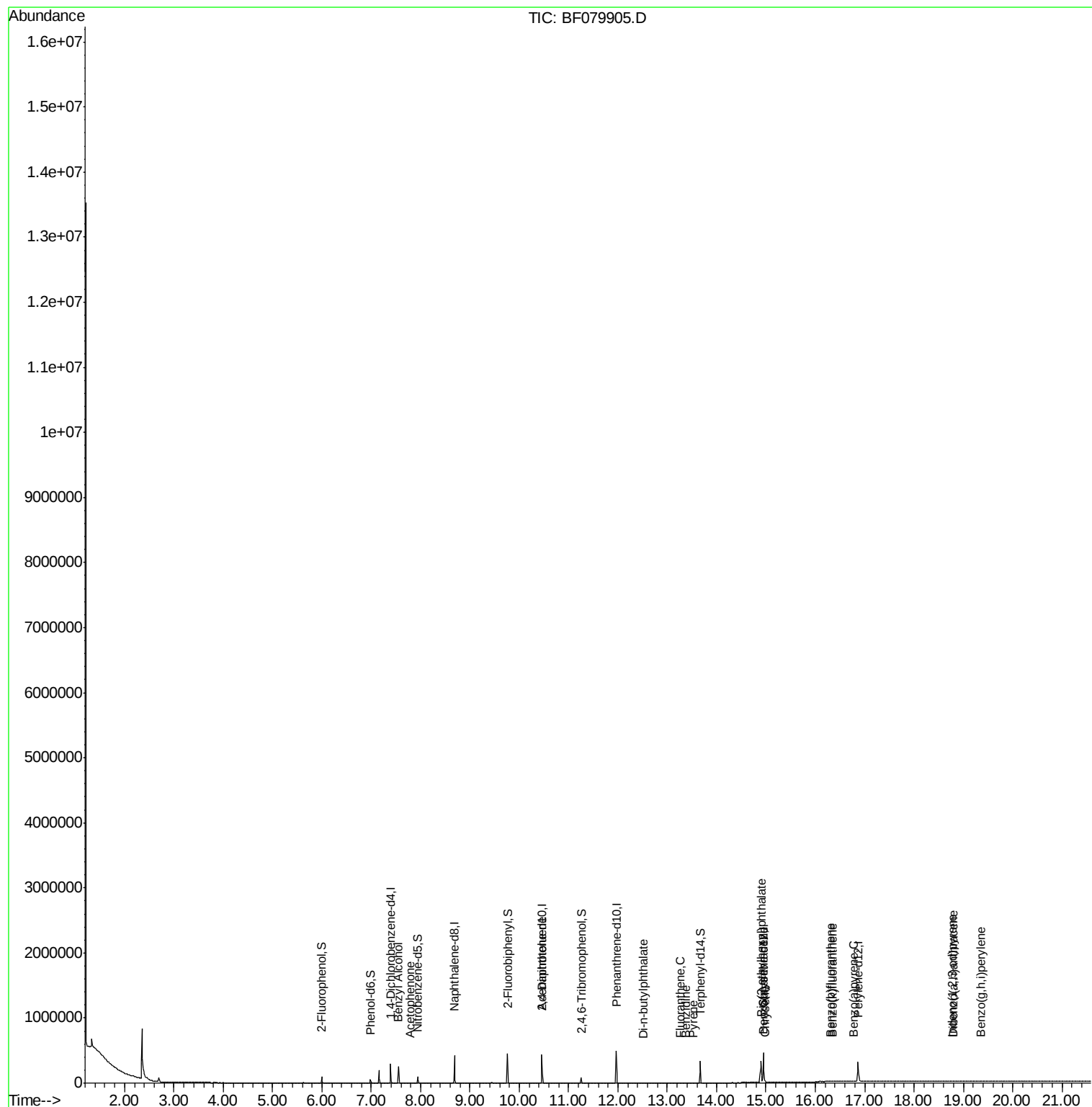
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
15) Benzyl Alcohol	7.55	79	706	0.27	ng	# 17
22) Acetophenone	7.79	105	326	0.08	ng	# 53
56) 2,4-Dinitrotoluene	10.46	165	11149	7.57	ng	# 32
73) Di-n-butylphthalate	12.53	149	236	0.02	ng	# 79
74) Fluoranthene	13.26	202	322	0.03	ng	# 64
76) Benzo(a)pyrene	13.38	184	1599	0.27	ng	# 67
77) Pyrene	13.52	202	237	0.02	ng	# 57
80) Benzo(a)anthracene	14.94	228	1066	0.09	ng	# 51
82) Chrysene	14.98	228	842	0.07	ng	# 49
83) Bis(2-ethylhexyl)phthalate	14.90	149	189317	28.16	ng	# 99
85) Indeno(1,2,3-cd)pyrene	18.78	276	5255	0.43	ng	# 58
87) Benzo(b)fluoranthene	16.31	252	1727	0.15	ng	# 60
88) Benzo(k)fluoranthene	16.34	252	1445	0.12	ng	# 60
89) Benzo(a)pyrene	16.78	252	1648	0.16	ng	# 60
90) Dibenzo(a,h)anthracene	18.79	278	4061	0.41	ng	# 55
91) Benzo(g,h,i)perylene	19.35	276	4954	0.48	ng	# 71

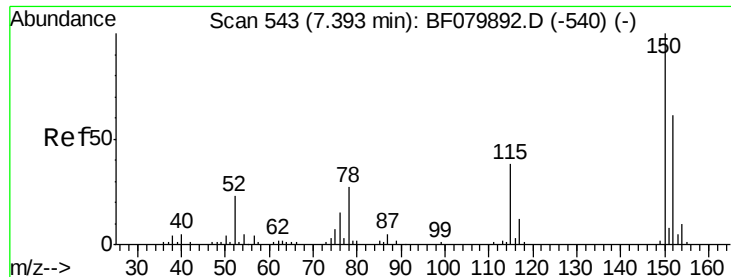
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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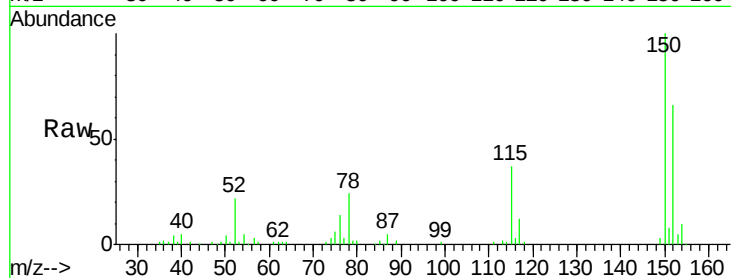


#1

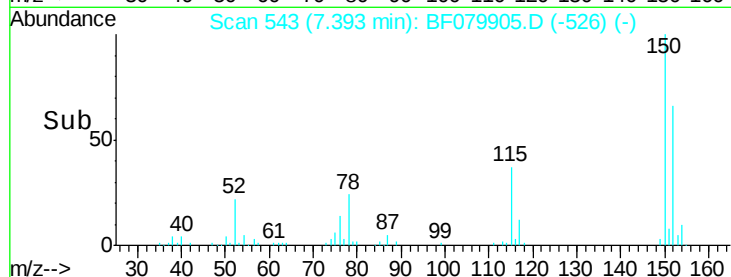
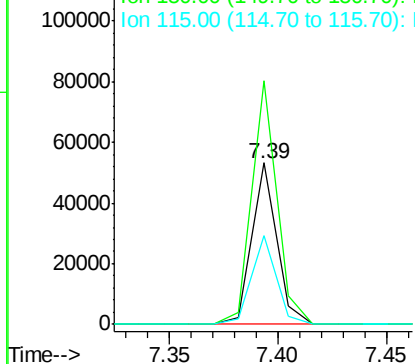
1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 7.39 min Scan# 543
 Delta R.T. 0.00 min
 Lab File: BF079905.D
 Acq: 11 Jun 2015 20:04

Instrument :
 BNA_F
 ClientSampleID :
 FB060515DL

Tgt Ion:152 Resp: 42232
 Ion Ratio Lower Upper
 152 100
 150 151.0 131.0 196.4
 115 55.4 49.8 74.6



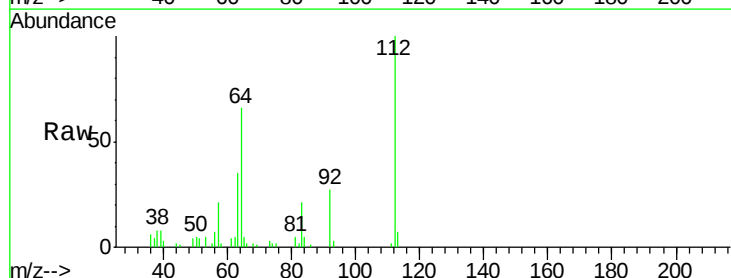
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



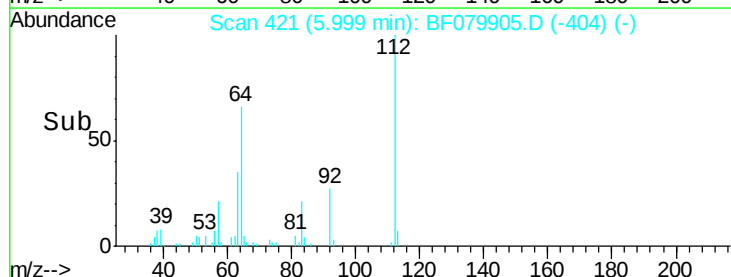
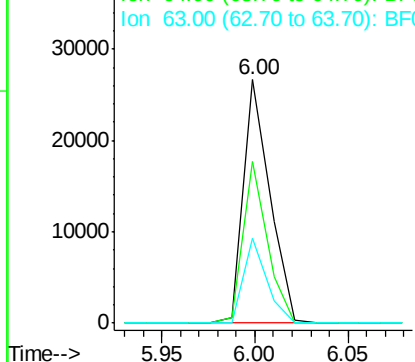
#5

2-Fluorophenol
 Concen: 10.56 ng
 RT: 6.00 min Scan# 421
 Delta R.T. 0.00 min
 Lab File: BF079905.D
 Acq: 11 Jun 2015 20:04

Tgt Ion:112 Resp: 26613
 Ion Ratio Lower Upper
 112 100
 64 66.2 54.5 81.7
 63 34.7 27.9 41.9



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: 6.37 ng

RT: 6.98 min Scan# 507

Delta R.T. -0.01 min

Lab File: BF079905.D

Acq: 11 Jun 2015 20:04

Instrument :

BNA_F

ClientSampleID :

FB060515DL

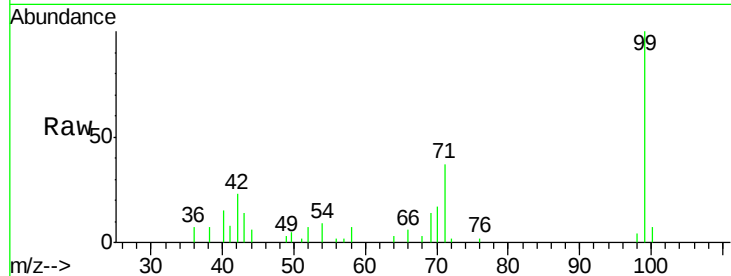
Tgt Ion: 99 Resp: 21019

Ion Ratio Lower Upper

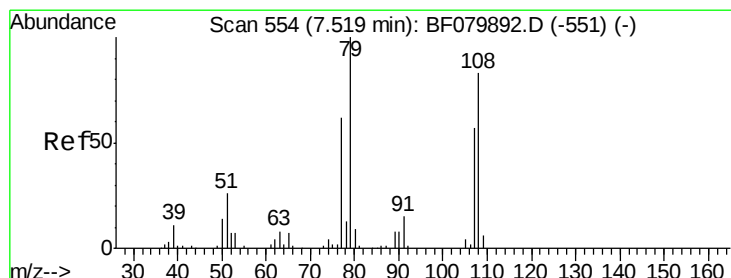
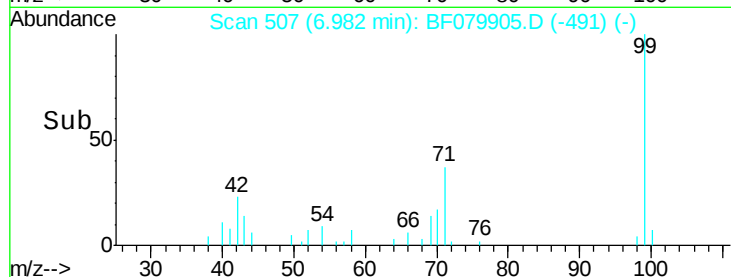
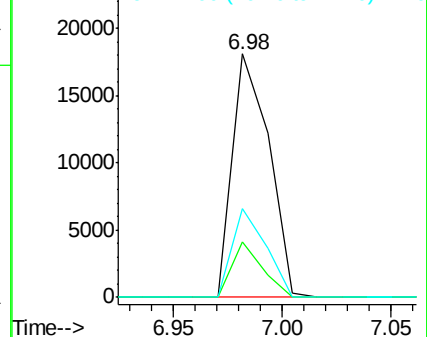
99 100

42 22.9 12.9 19.3#

71 36.6 23.4 35.2#



Abundance Ion 99.00 (98.70 to 99.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 71.00 (70.70 to 71.70): BF0



#15

Benzyl Alcohol

Concen: 0.27 ng

RT: 7.55 min Scan# 557

Delta R.T. 0.03 min

Lab File: BF079905.D

Acq: 11 Jun 2015 20:04

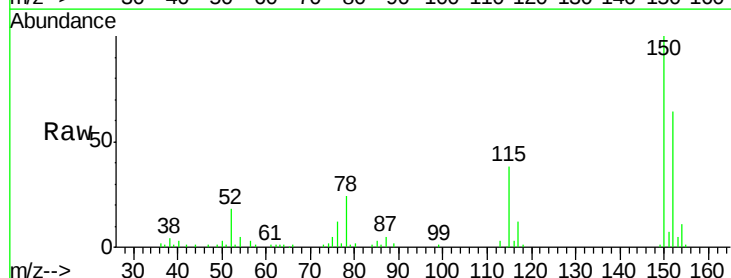
Tgt Ion: 79 Resp: 706

Ion Ratio Lower Upper

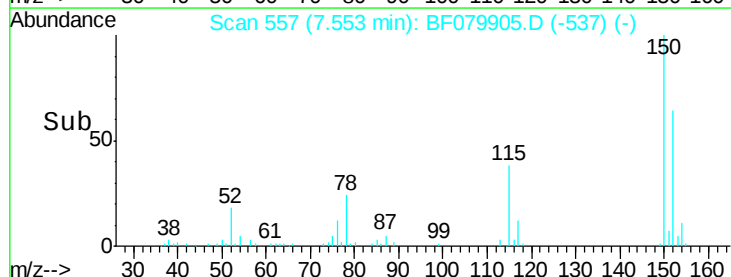
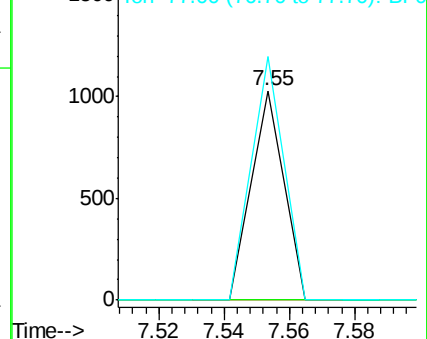
79 100

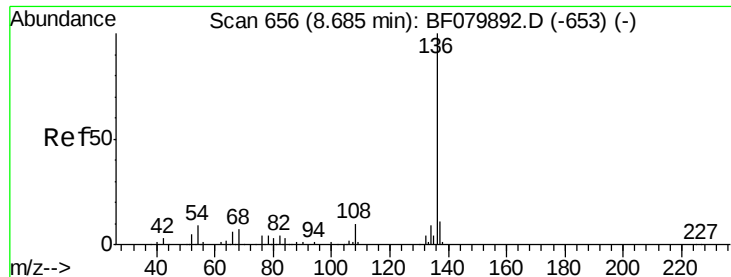
108 0.0 66.4 99.6#

77 116.2 49.4 74.0#



Abundance Ion 79.00 (78.70 to 79.70): BF0
Ion 108.00 (107.70 to 108.70): BF0
Ion 77.00 (76.70 to 77.70): BF0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.68 min Scan# 656

Delta R.T. 0.00 min

Lab File: BF079905.D

Acq: 11 Jun 2015 20:04

Instrument :

BNA_F

ClientSampleId :

FB060515DL

Tgt Ion:136 Resp: 168664

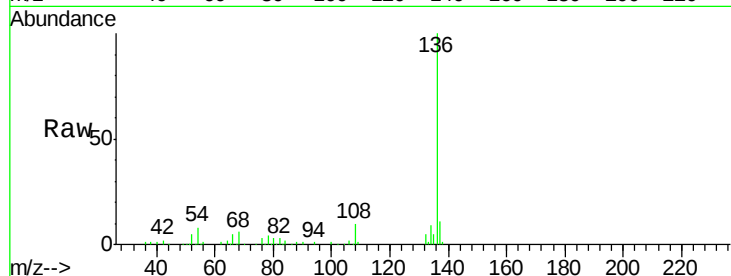
Ion Ratio Lower Upper

136 100

137 10.8 8.7 13.1

54 8.4 7.3 10.9

68 6.4 5.9 8.9

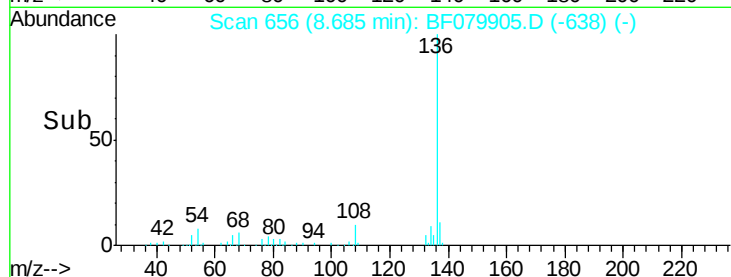


Abundance Ion 136.00 (135.70 to 136.70): E

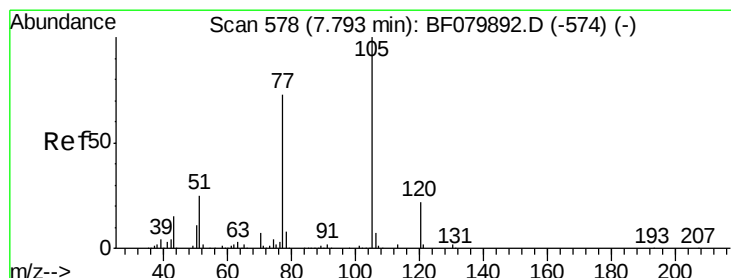
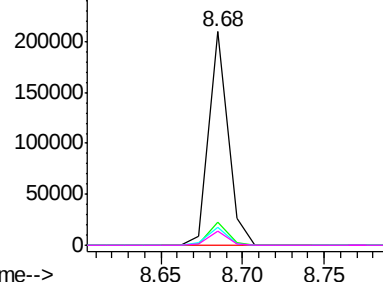
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



Time-->



#22

Acetophenone

Concen: 0.08 ng

RT: 7.79 min Scan# 578

Delta R.T. 0.00 min

Lab File: BF079905.D

Acq: 11 Jun 2015 20:04

Tgt Ion:105 Resp: 326

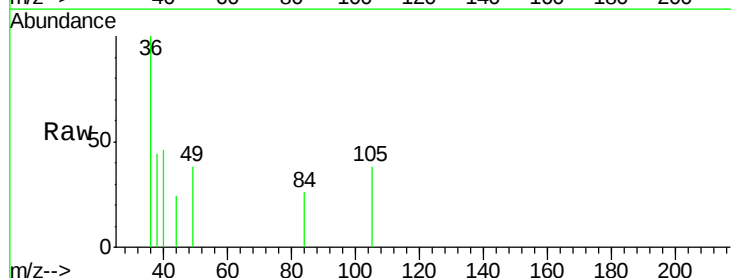
Ion Ratio Lower Upper

105 100

71 0.0 1.0 1.4#

51 0.0 19.8 29.6#

120 0.0 17.6 26.4#

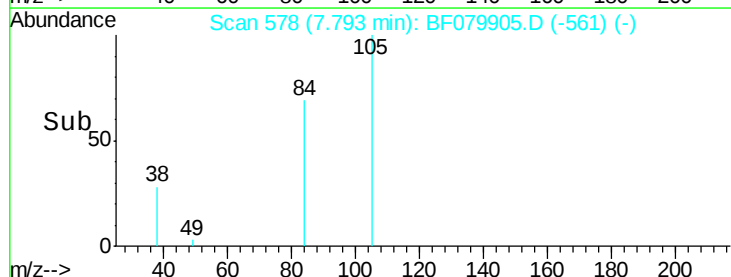


Abundance Ion 105.00 (104.70 to 105.70): E

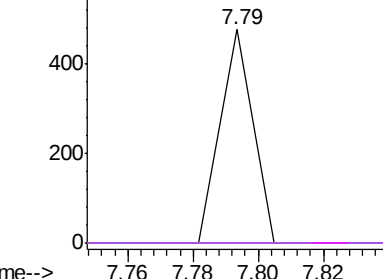
Ion 71.00 (70.70 to 71.70): BF0

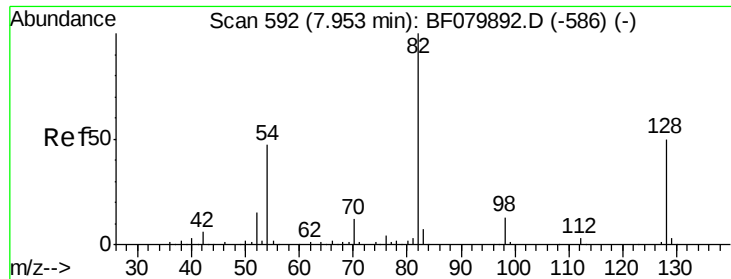
Ion 51.00 (50.70 to 51.70): BF0

Ion 120.00 (119.70 to 120.70): E



Time-->

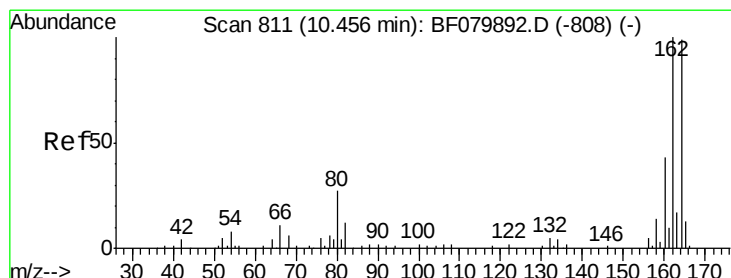
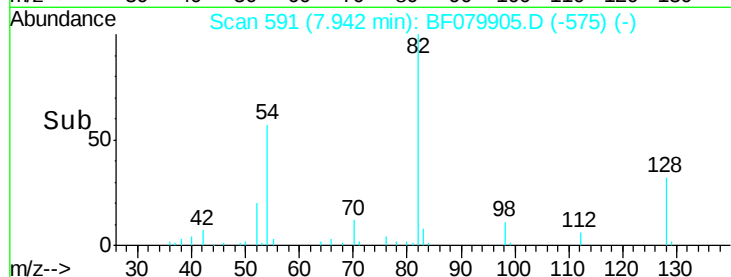
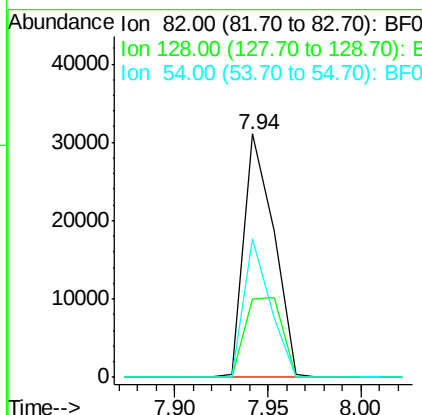
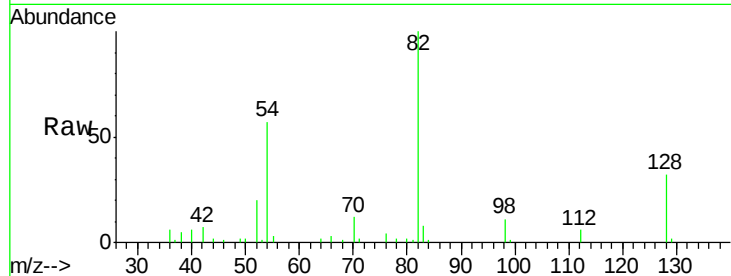




#23
 Nitrobenzene-d5
 Concen: 12.22 ng
 RT: 7.94 min Scan# 591
 Delta R.T. -0.01 min
 Lab File: BF079905.D
 Acq: 11 Jun 2015 20:04

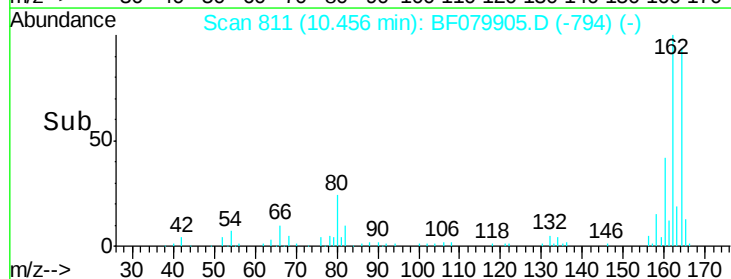
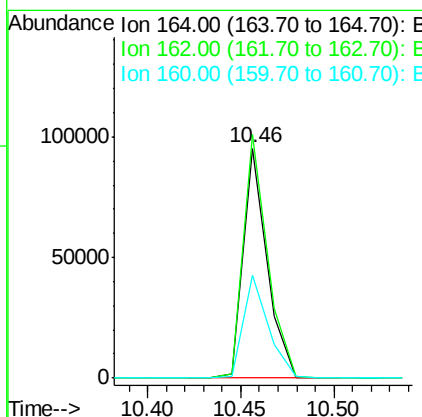
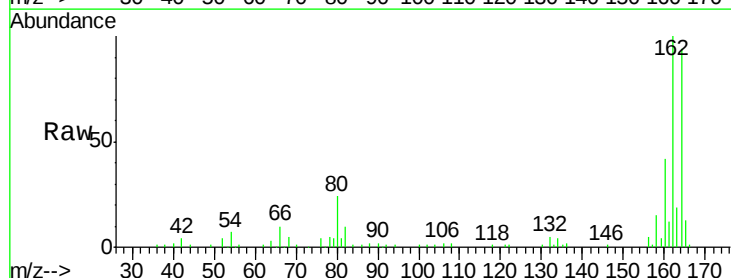
Instrument :
 BNA_F
 ClientSampleId :
 FB060515DL

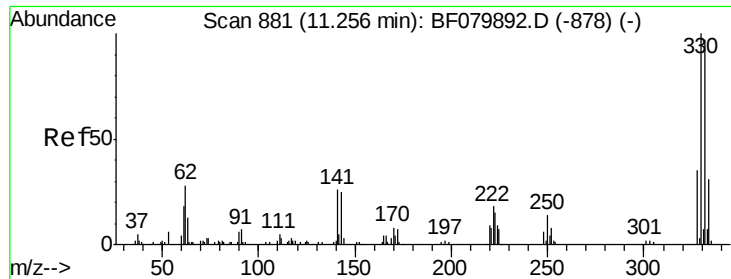
Tgt Ion: 82 Resp: 34661
 Ion Ratio Lower Upper
 82 100
 128 32.5 40.3 60.5#
 54 57.1 38.0 57.0#



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.46 min Scan# 811
 Delta R.T. 0.00 min
 Lab File: BF079905.D
 Acq: 11 Jun 2015 20:04

Tgt Ion:164 Resp: 84415
 Ion Ratio Lower Upper
 164 100
 162 106.0 80.7 121.1
 160 45.0 34.6 51.8

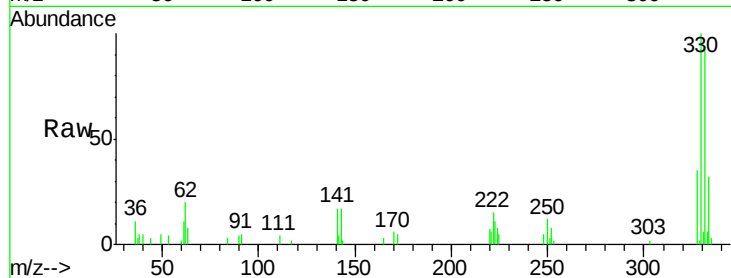




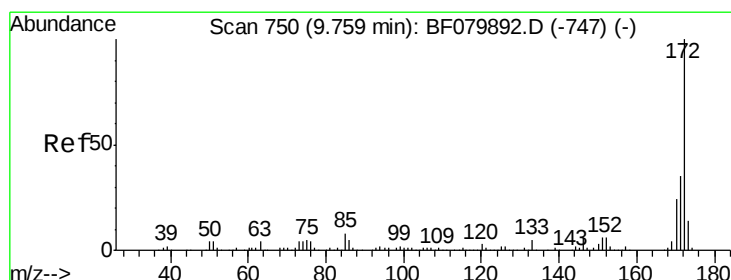
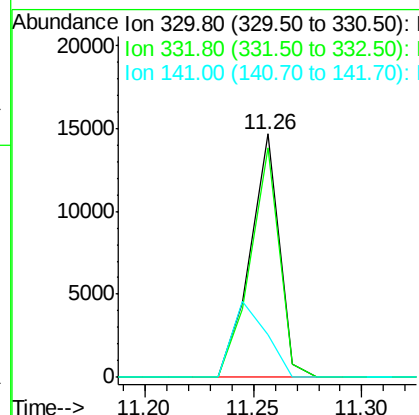
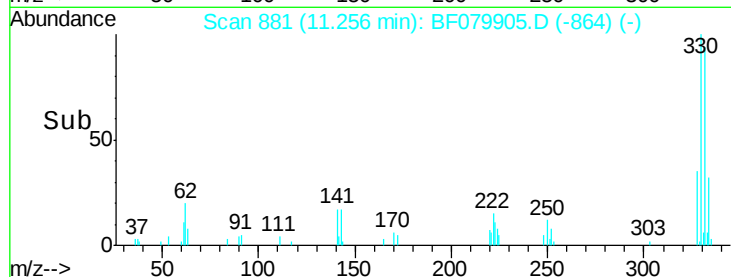
#41
 2,4,6-Tribromophenol
 Concen: 18.18 ng
 RT: 11.26 min Scan# 881
 Delta R.T. 0.00 min
 Lab File: BF079905.D
 Acq: 11 Jun 2015 20:04

Instrument :
 BNA_F
 ClientSampleId :
 FB060515DL

Tgt Ion:330 Resp: 13698
 Ion Ratio Lower Upper
 330 100
 332 93.6 77.3 115.9
 141 35.8 26.8 40.2

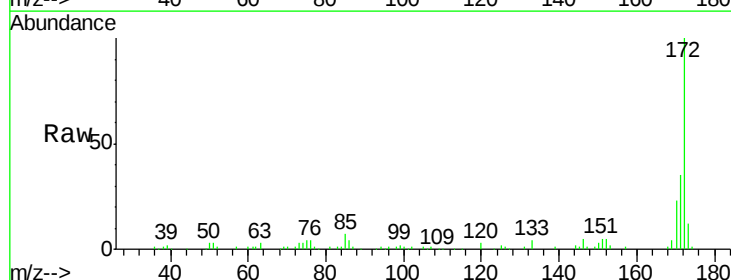


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

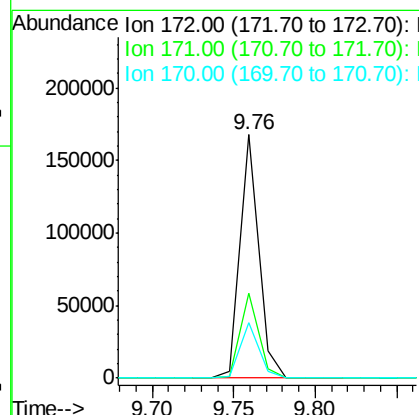
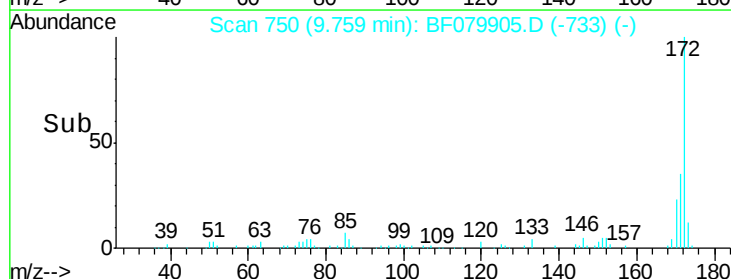


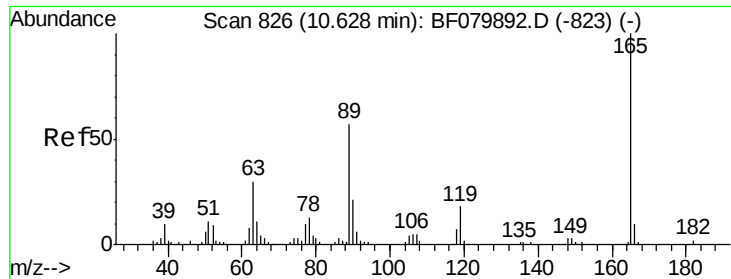
#44
 2-Fluorobiphenyl
 Concen: 22.03 ng
 RT: 9.76 min Scan# 750
 Delta R.T. 0.00 min
 Lab File: BF079905.D
 Acq: 11 Jun 2015 20:04

Tgt Ion:172 Resp: 131971
 Ion Ratio Lower Upper
 172 100
 171 35.0 28.3 42.5
 170 22.7 19.0 28.4



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

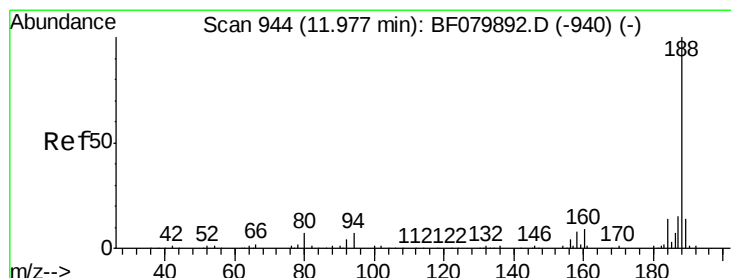
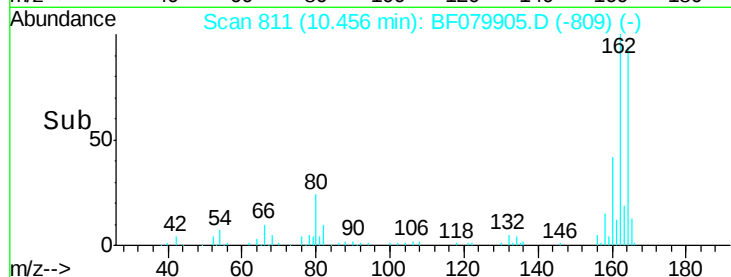
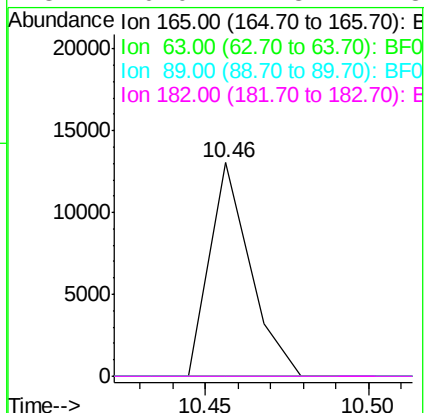
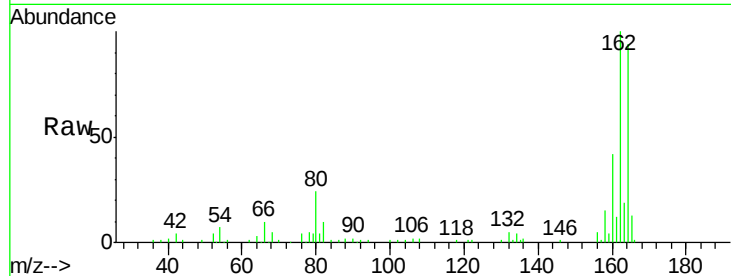




#56
 2,4-Dinitrotoluene
 Concen: 7.57 ng
 RT: 10.46 min Scan# 811
 Delta R.T. -0.17 min
 Lab File: BF079905.D
 Acq: 11 Jun 2015 20:04

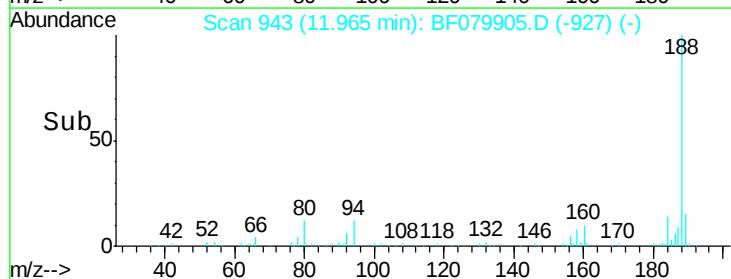
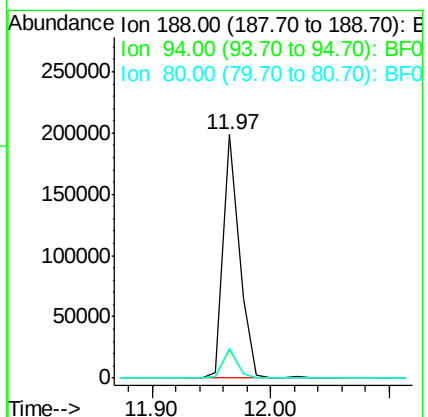
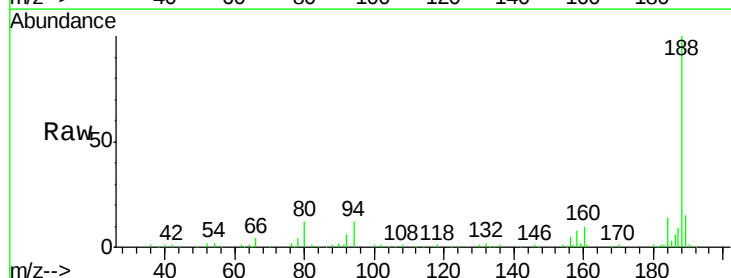
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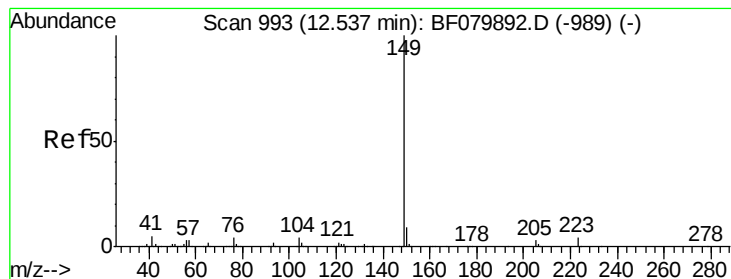
Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	24.3	36.5#
89	0.0	45.4	68.2#
182	0.0	1.8	2.8#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.97 min Scan# 943
 Delta R.T. -0.01 min
 Lab File: BF079905.D
 Acq: 11 Jun 2015 20:04

Tgt Ion	Ratio	Lower	Upper
188	100		
94	11.5	5.8	8.8#
80	12.4	5.9	8.9#





#73

Di-n-butylphthalate

Concen: 0.02 ng

RT: 12.53 min Scan# 992

Delta R.T. -0.01 min

Lab File: BF079905.D

Acq: 11 Jun 2015 20:04

Instrument :

BNA_F

ClientSampleId :

FB060515DL

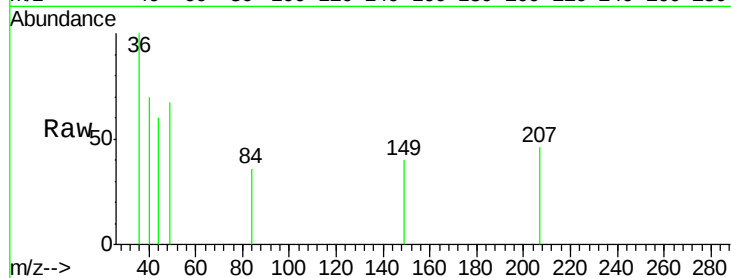
Tgt Ion:149 Resp: 236

Ion Ratio Lower Upper

149 100

150 0.0 7.2 10.8#

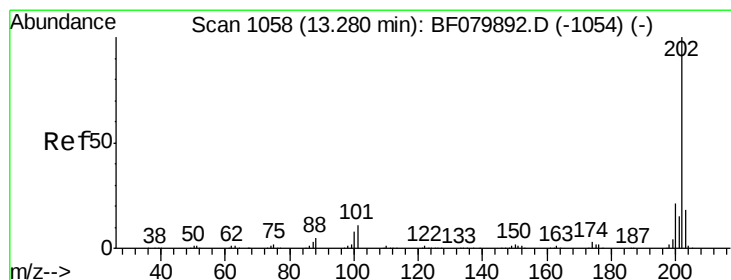
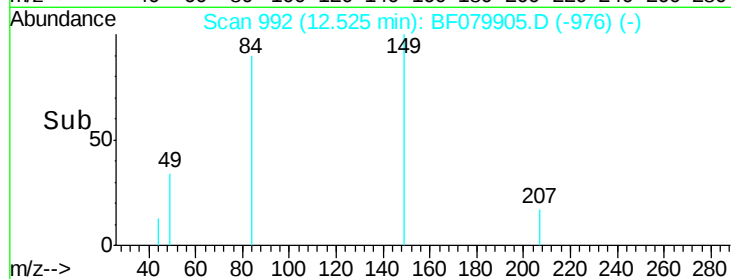
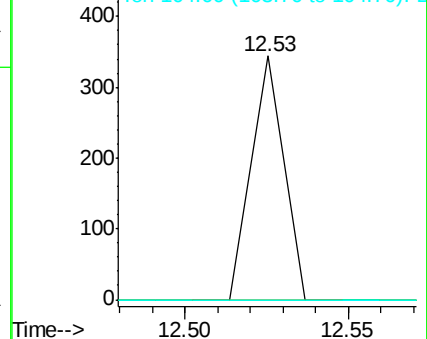
104 0.0 3.3 4.9#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#74

Fluoranthene

Concen: 0.03 ng

RT: 13.26 min Scan# 1056

Delta R.T. -0.02 min

Lab File: BF079905.D

Acq: 11 Jun 2015 20:04

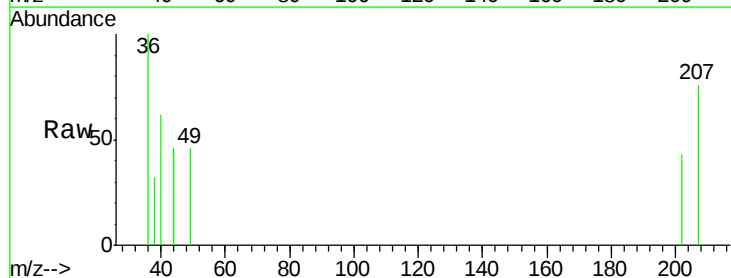
Tgt Ion:202 Resp: 322

Ion Ratio Lower Upper

202 100

101 0.0 0.0 30.7

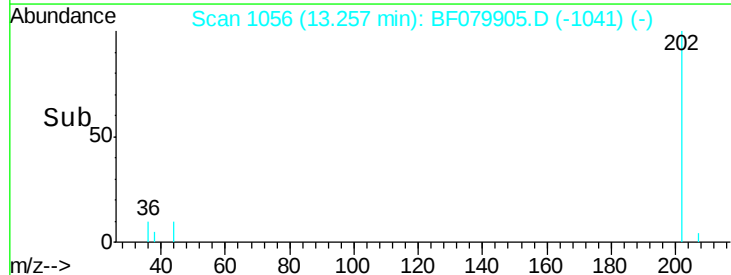
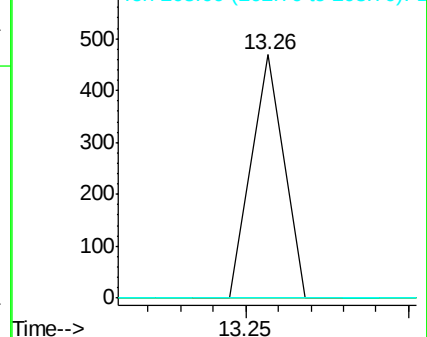
203 0.0 0.0 38.0

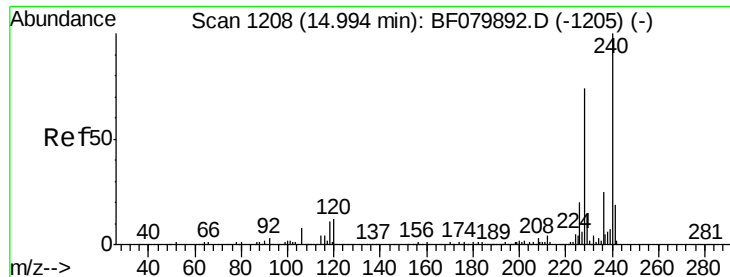


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.95 min Scan# 1204

Delta R.T. -0.05 min

Lab File: BF079905.D

Acq: 11 Jun 2015 20:04

Instrument :

BNA_F

ClientSampleId :

BF060515DL

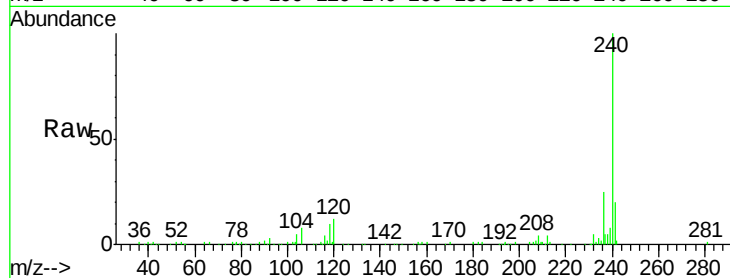
Tgt Ion:240 Resp: 204484

Ion Ratio Lower Upper

240 100

120 12.1 9.4 14.2

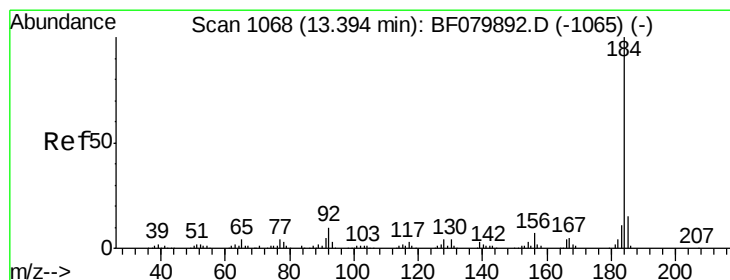
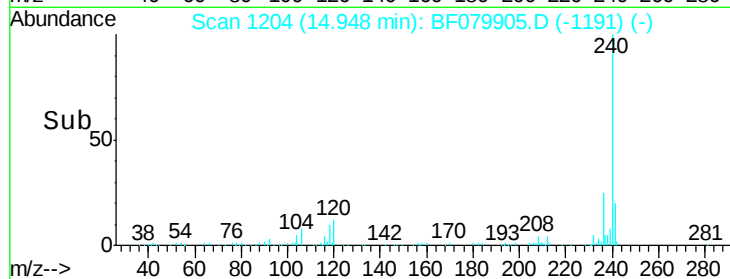
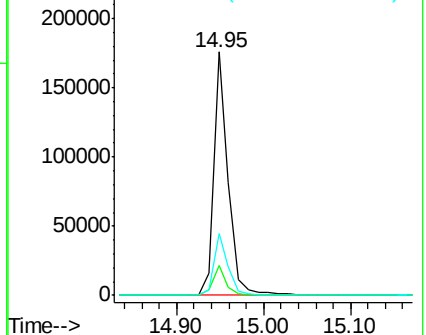
236 25.3 19.6 29.4



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



#76

Benzidine

Concen: 0.27 ng

RT: 13.38 min Scan# 1067

Delta R.T. -0.01 min

Lab File: BF079905.D

Acq: 11 Jun 2015 20:04

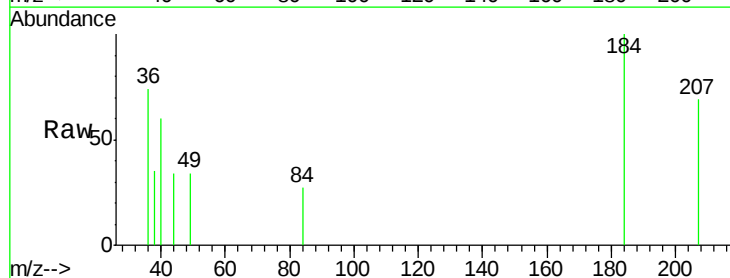
Tgt Ion:184 Resp: 1599

Ion Ratio Lower Upper

184 100

185 0.0 11.8 17.6#

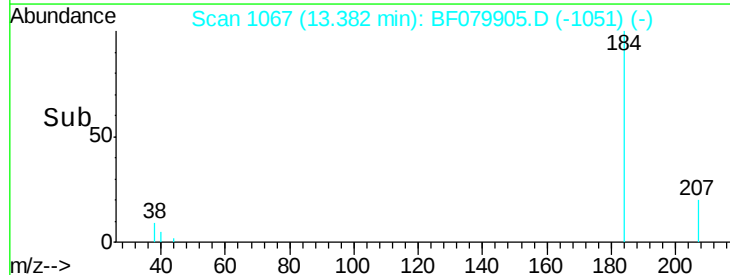
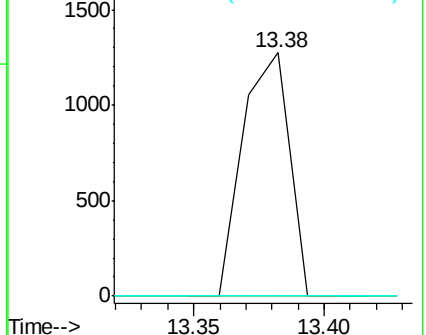
183 0.0 9.0 13.6#

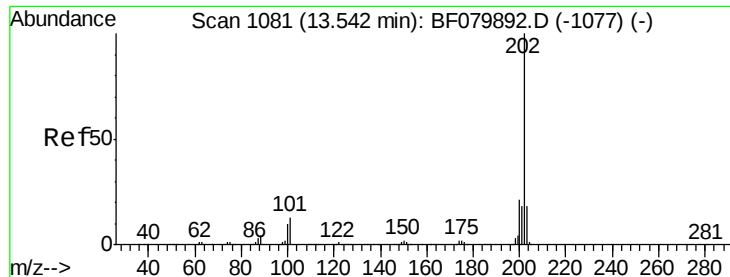


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#77

Pyrene

Concen: 0.02 ng

RT: 13.52 min Scan# 1079

Delta R.T. -0.02 min

Lab File: BF079905.D

Acq: 11 Jun 2015 20:04

Instrument :

BNA_F

ClientSampleId :

FB060515DL

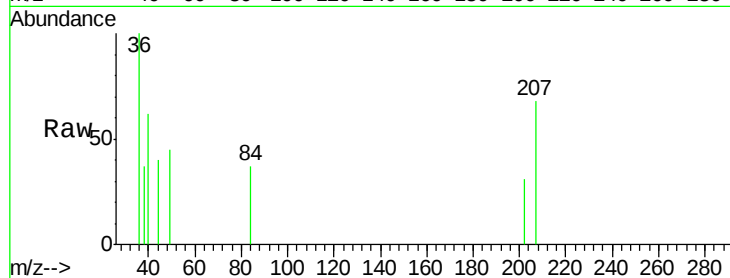
Tgt Ion: 202 Resp: 237

Ion Ratio Lower Upper

202 100

200 0.0 16.8 25.2#

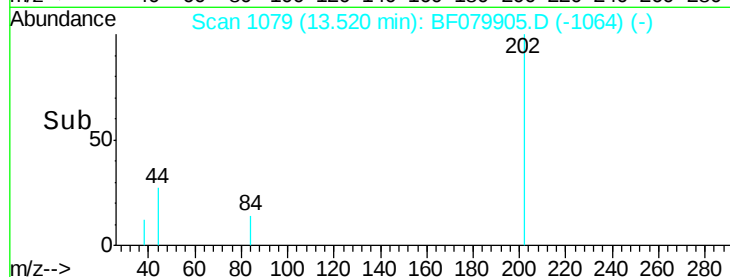
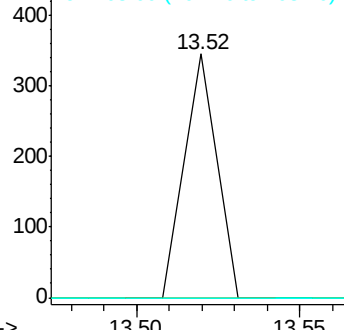
203 0.0 14.4 21.6#



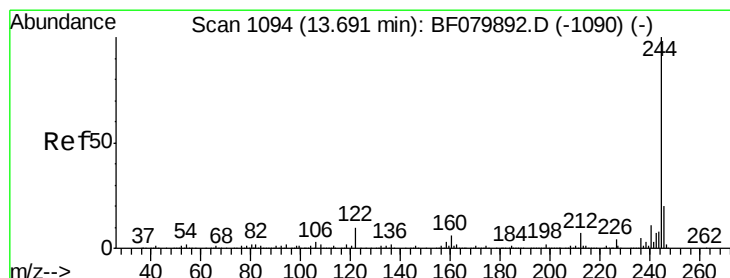
Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



Time-->



#78

Terphenyl-d14

Concen: 15.45 ng

RT: 13.67 min Scan# 1092

Delta R.T. -0.02 min

Lab File: BF079905.D

Acq: 11 Jun 2015 20:04

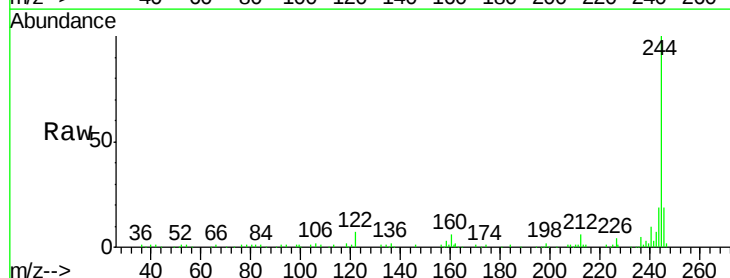
Tgt Ion: 244 Resp: 139018

Ion Ratio Lower Upper

244 100

212 5.6 5.4 8.2

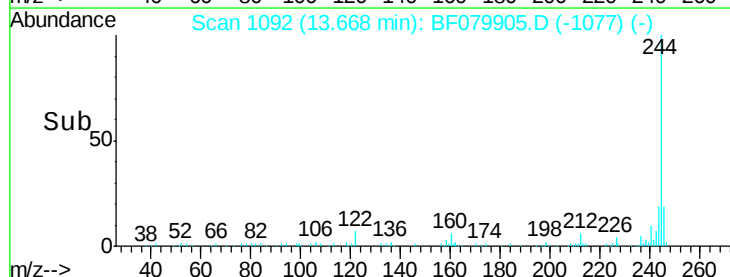
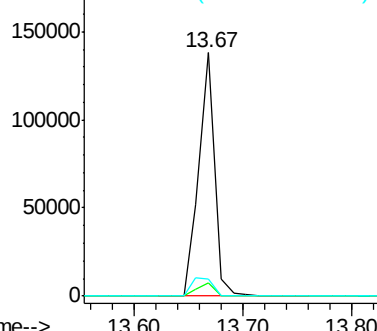
122 7.2 7.8 11.8#

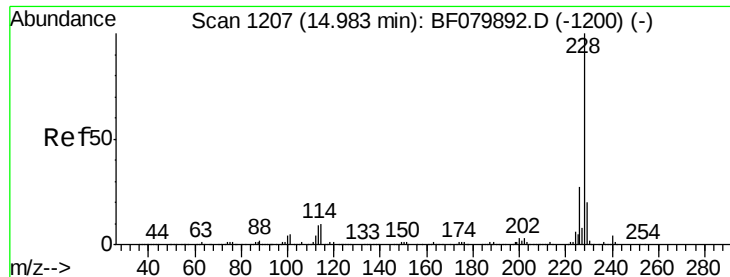


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 0.09 ng

RT: 14.94 min Scan# 1203

Delta R.T. -0.05 min

Lab File: BF079905.D

Acq: 11 Jun 2015 20:04

Instrument :

BNA_F

ClientSampled :

FB060515DL

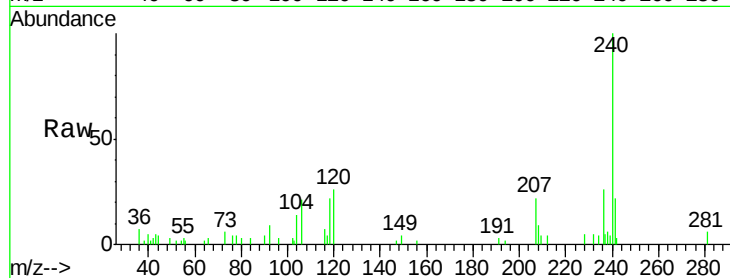
Tgt Ion:228 Resp: 1066

Ion Ratio Lower Upper

228 100

226 0.0 21.8 32.8#

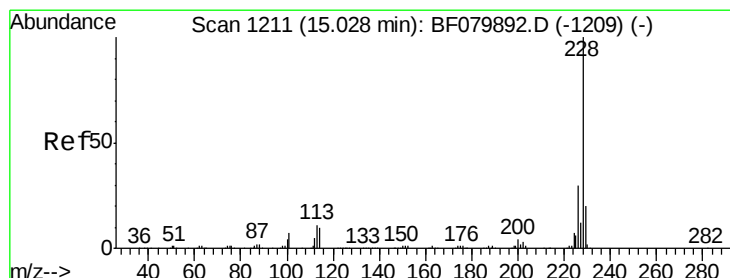
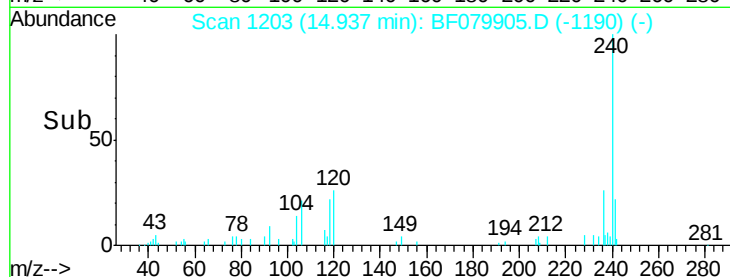
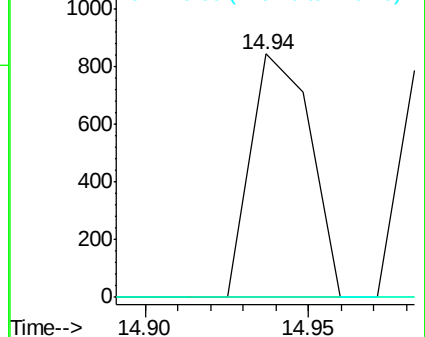
229 0.0 15.9 23.9#



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: 0.07 ng

RT: 14.98 min Scan# 1207

Delta R.T. -0.05 min

Lab File: BF079905.D

Acq: 11 Jun 2015 20:04

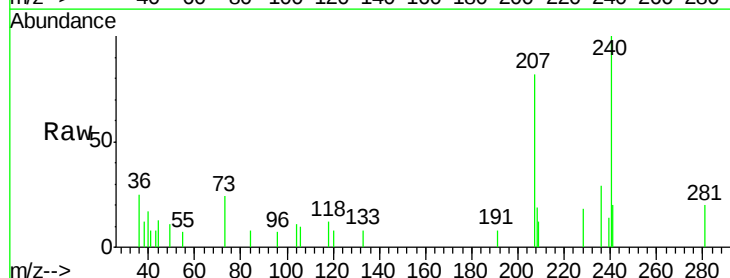
Tgt Ion:228 Resp: 842

Ion Ratio Lower Upper

228 100

226 0.0 23.9 35.9#

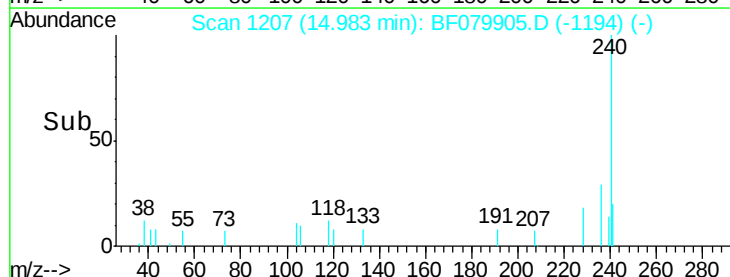
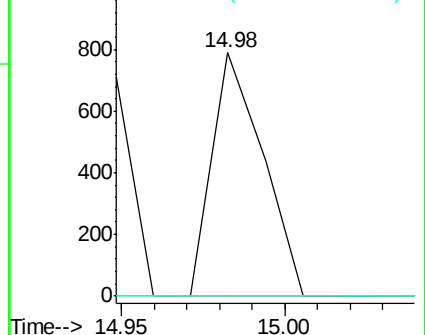
229 0.0 16.1 24.1#

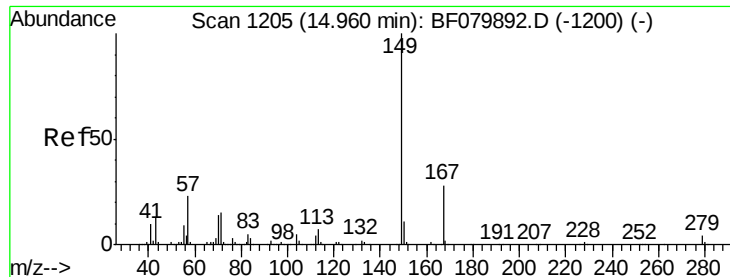


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

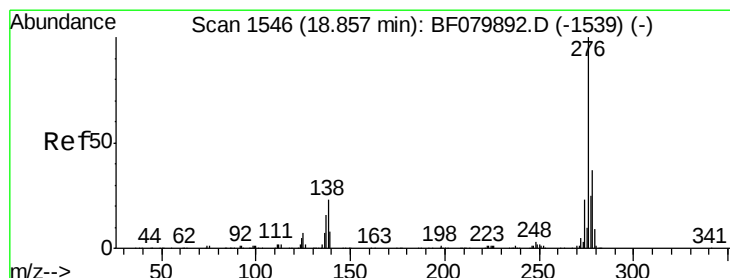
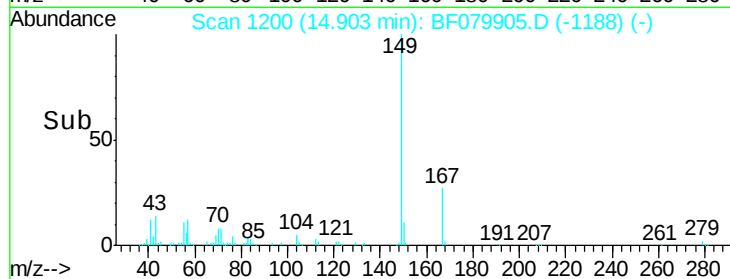
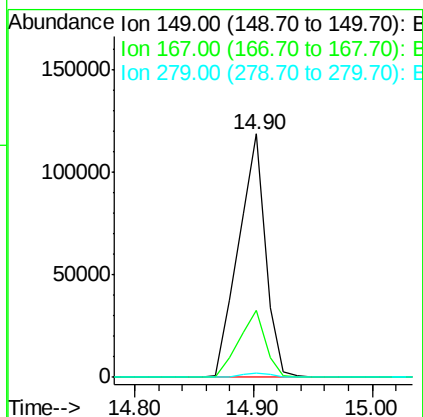
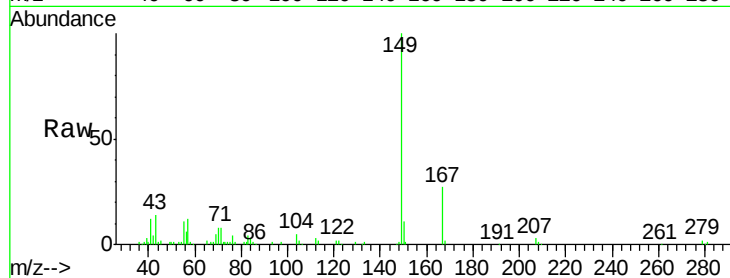




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 28.16 ng
 RT: 14.90 min Scan# 1200
 Delta R.T. -0.06 min
 Lab File: BF079905.D
 Acq: 11 Jun 2015 20:04

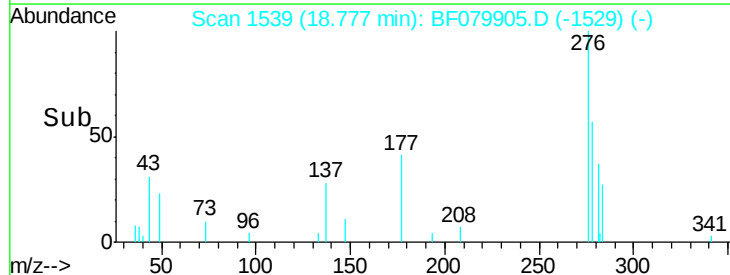
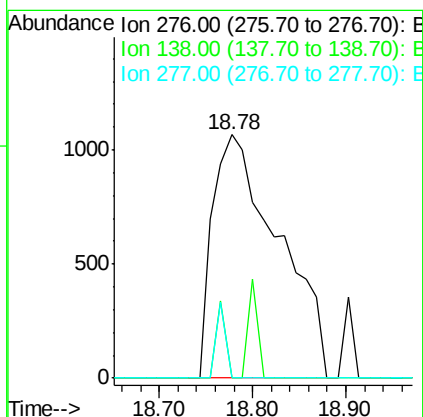
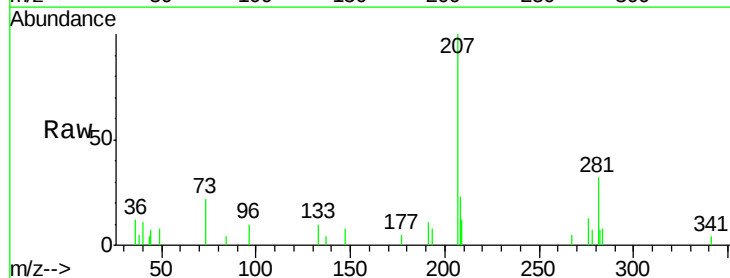
Instrument :
 BNA_F
 ClientSampleId :
 FB060515DL

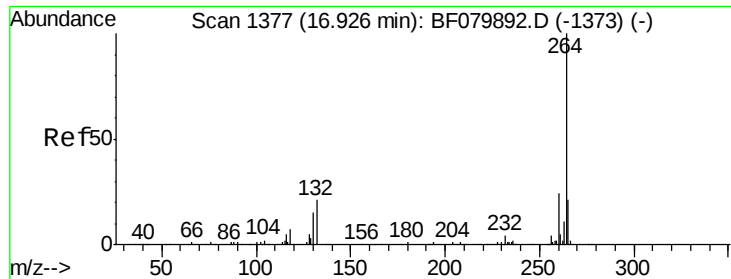
Tgt Ion:149 Resp: 189317
 Ion Ratio Lower Upper
 149 100
 167 27.4 22.2 33.4
 279 1.8 3.1 4.7#



#85
 Indeno(1,2,3-cd)pyrene
 Concen: 0.43 ng
 RT: 18.78 min Scan# 1539
 Delta R.T. -0.08 min
 Lab File: BF079905.D
 Acq: 11 Jun 2015 20:04

Tgt Ion:276 Resp: 5255
 Ion Ratio Lower Upper
 276 100
 138 4.4 21.0 31.4#
 277 4.4 19.9 29.9#

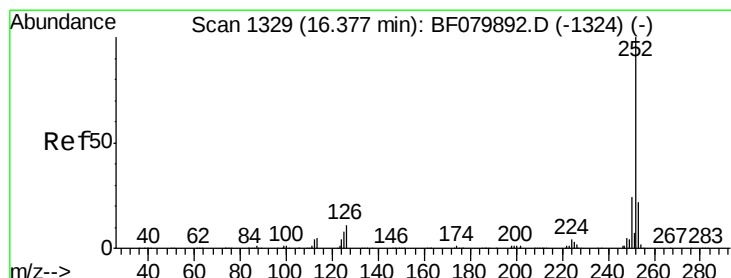
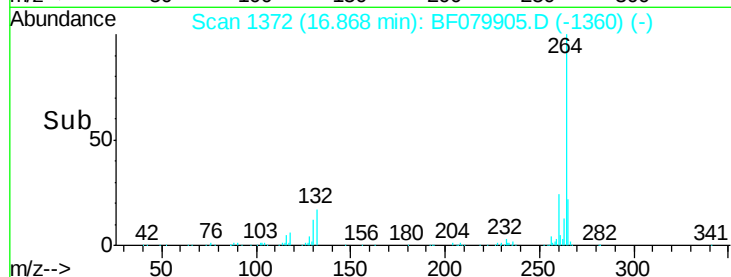
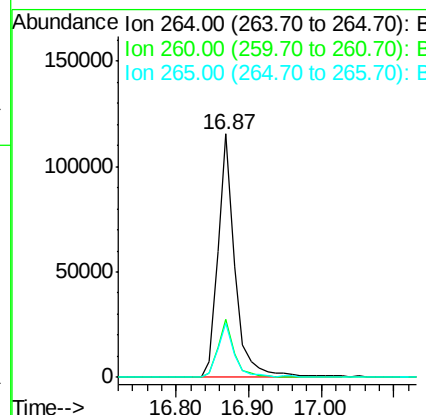
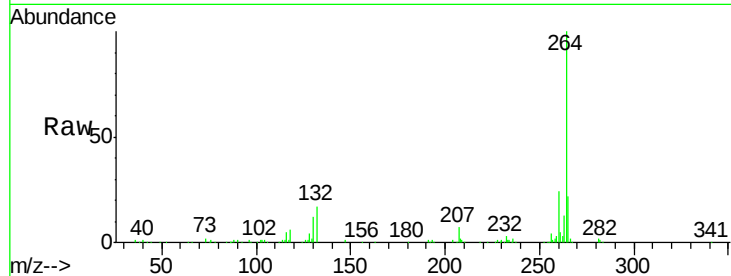




#86
Perylene-d12
Concen: 20.00 ng
RT: 16.87 min Scan# 1372
Delta R.T. -0.06 min
Lab File: BF079905.D
Acq: 11 Jun 2015 20:04

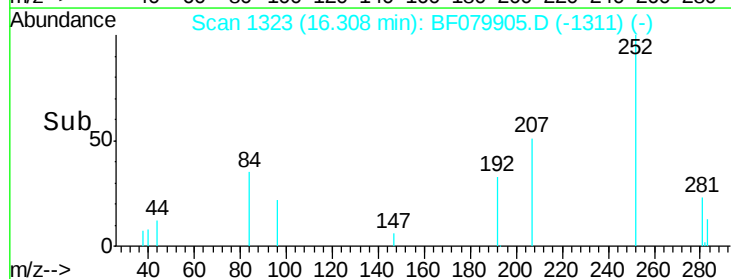
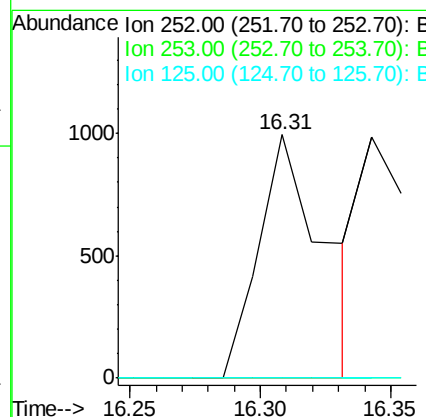
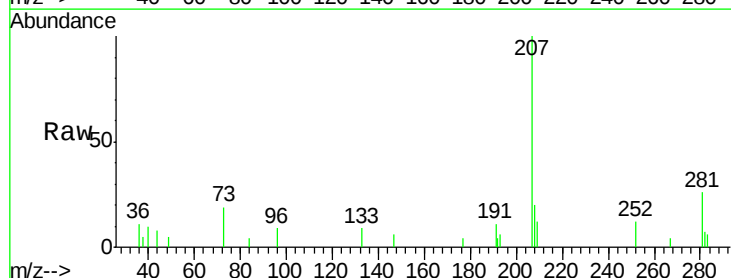
Instrument :
BNA_F
ClientSampleID :
FB060515DL

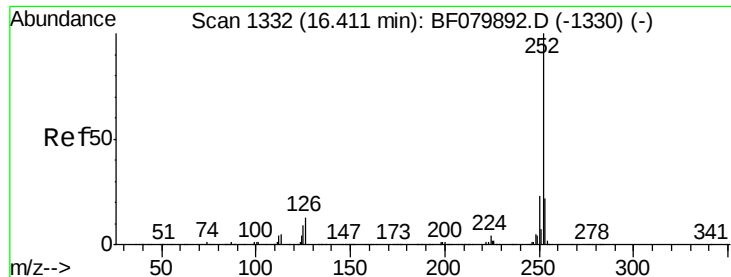
Tgt Ion: 264 Resp: 188461
Ion Ratio Lower Upper
264 100
260 23.8 19.3 28.9
265 22.2 17.0 25.6



#87
Benzo(b)fluoranthene
Concen: 0.15 ng
RT: 16.31 min Scan# 1323
Delta R.T. -0.07 min
Lab File: BF079905.D
Acq: 11 Jun 2015 20:04

Tgt Ion: 252 Resp: 1727
Ion Ratio Lower Upper
252 100
253 0.0 17.8 26.6#
125 0.0 6.5 9.7#

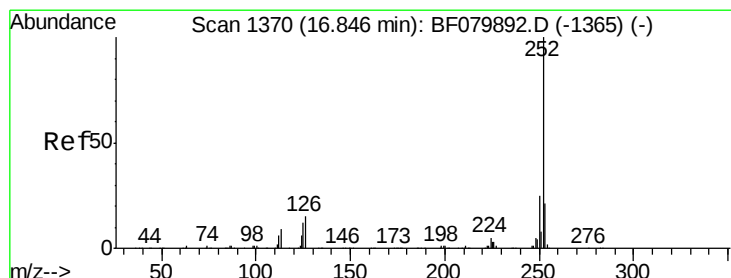
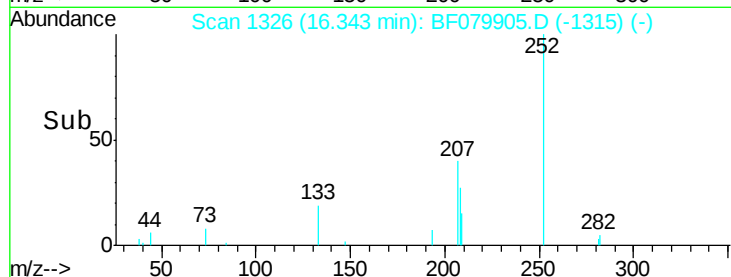
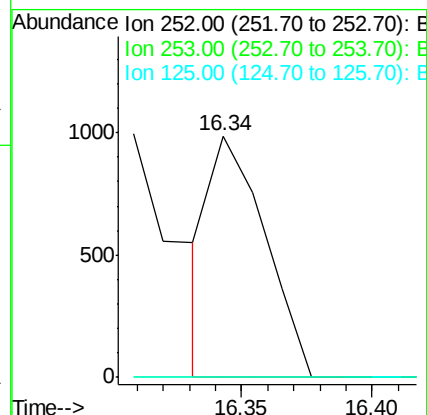
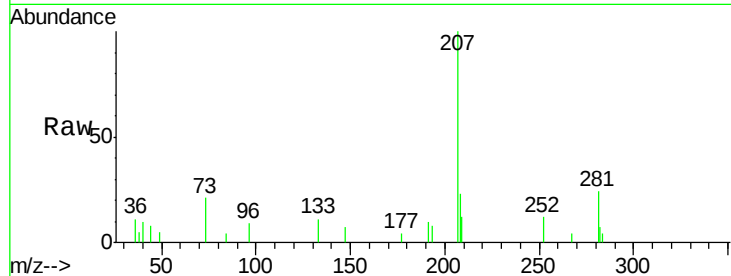




#88
Benzo(k)fluoranthene
Concen: 0.12 ng
RT: 16.34 min Scan# 1326
Delta R.T. -0.07 min
Lab File: BF079905.D
Acq: 11 Jun 2015 20:04

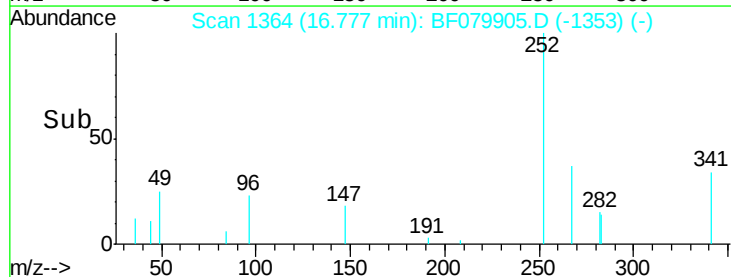
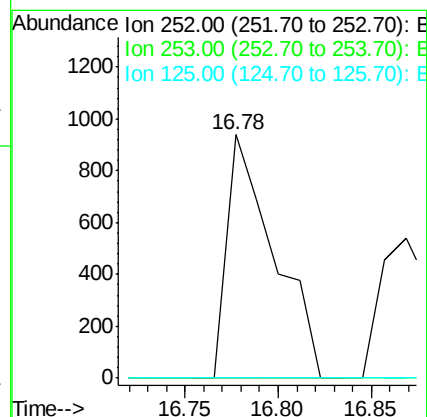
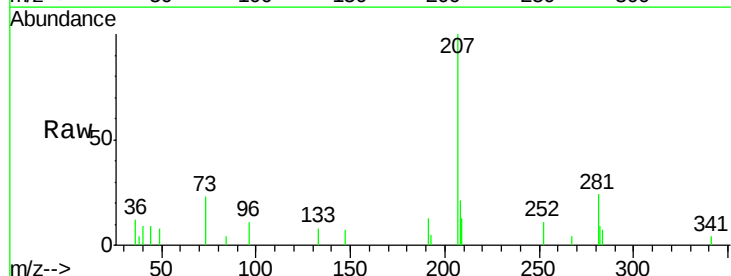
Instrument :
BNA_F
ClientSampleId :
FB060515DL

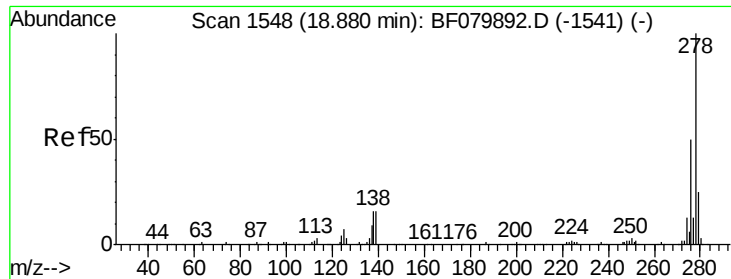
Tgt Ion: 252 Resp: 1445
Ion Ratio Lower Upper
252 100
253 0.0 17.4 26.2#
125 0.0 7.4 11.0#



#89
Benzo(a)pyrene
Concen: 0.16 ng
RT: 16.78 min Scan# 1364
Delta R.T. -0.07 min
Lab File: BF079905.D
Acq: 11 Jun 2015 20:04

Tgt Ion: 252 Resp: 1648
Ion Ratio Lower Upper
252 100
253 0.0 17.0 25.6#
125 0.0 9.7 14.5#



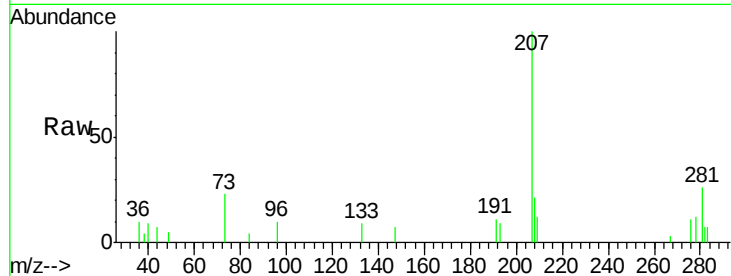


#90
Dibenzo(a,h)anthracene
Concen: 0.41 ng
RT: 18.79 min Scan# 1540
Delta R.T. -0.09 min
Lab File: BF079905.D
Acq: 11 Jun 2015 20:04

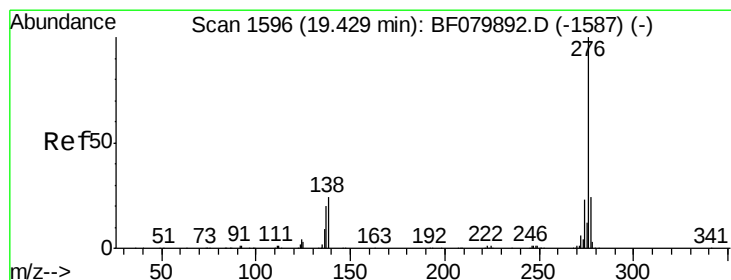
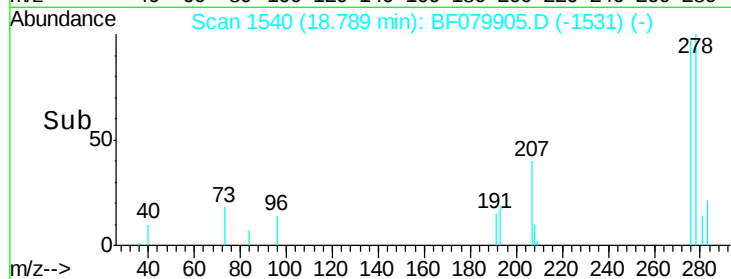
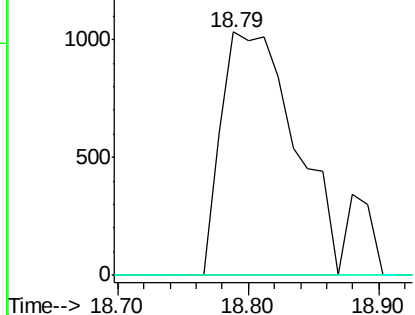
Instrument :
BNA_F
ClientSampleId :
FB060515DL

Tgt Ion: 278 Resp: 4061

Ion	Ratio	Lower	Upper
278	100		
139	0.0	12.8	19.2#
279	0.0	19.7	29.5#



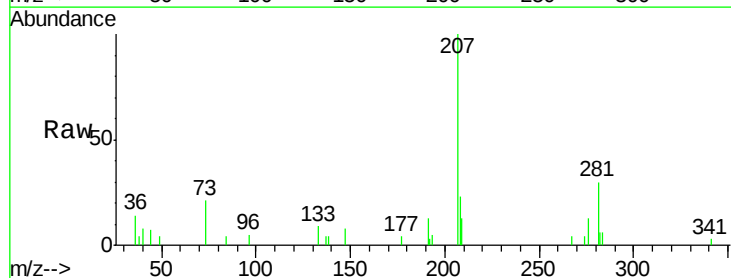
Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#91
Benzo(g,h,i)perylene
Concen: 0.48 ng
RT: 19.35 min Scan# 1589
Delta R.T. -0.08 min
Lab File: BF079905.D
Acq: 11 Jun 2015 20:04

Tgt Ion: 276 Resp: 4954

Ion	Ratio	Lower	Upper
276	100		
277	0.0	19.4	29.2#
138	28.6	19.1	28.7



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 277.00 (276.70 to 277.70): E
Ion 138.00 (137.70 to 138.70): E

