

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050615\
 Data File : BF078954.D
 Acq On : 6 May 2015 12:17
 Operator : TP/IZ
 Sample : G2114-07
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 GRID-3(0-6)

Quant Time: May 07 01:06:46 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF043015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 07 00:45:56 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.35	152	69908	20.00	ng	0.00
21) Naphthalene-d8	8.92	136	302656	20.00	ng	0.00
38) Acenaphthene-d10	11.10	164	147896	20.00	ng	0.00
63) Phenanthrene-d10	12.95	188	281787	20.00	ng	0.00
75) Chrysene-d12	16.26	240	296803	20.00	ng	-0.05
86) Perylene-d12	18.08	264	330977	20.00	ng	-0.15

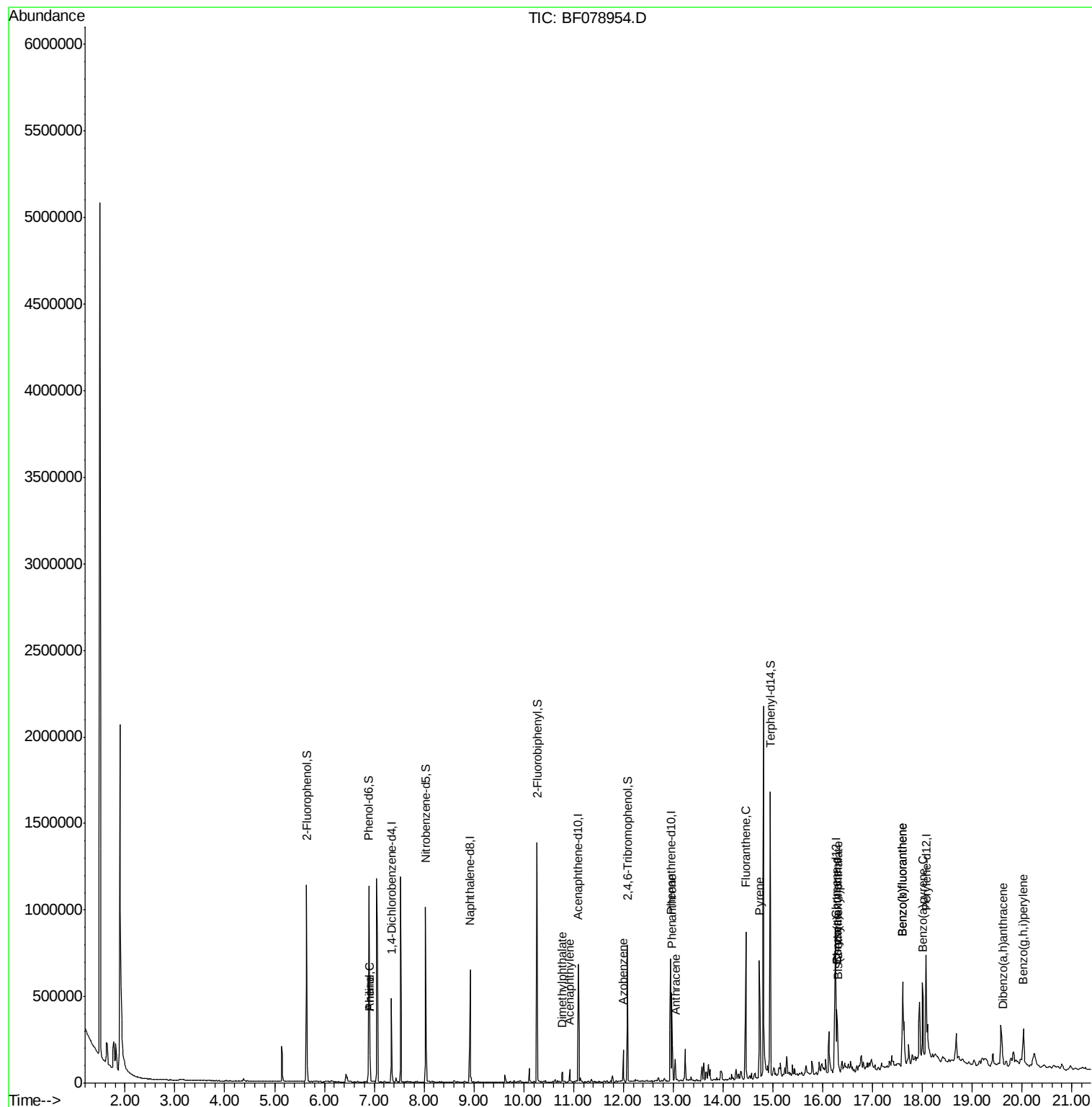
System Monitoring Compounds						
5) 2-Fluorophenol	5.64	112	366905	90.34	ng	0.01
7) Phenol-d6	6.89	99	550104	102.47	ng	0.00
23) Nitrobenzene-d5	8.03	82	308931	58.66	ng	0.00
41) 2,4,6-Tribromophenol	12.08	330	105828	66.14	ng	0.00
44) 2-Fluorobiphenyl	10.27	172	636020	59.91	ng	0.00
78) Terphenyl-d14	14.95	244	727841	58.71	ng	0.00

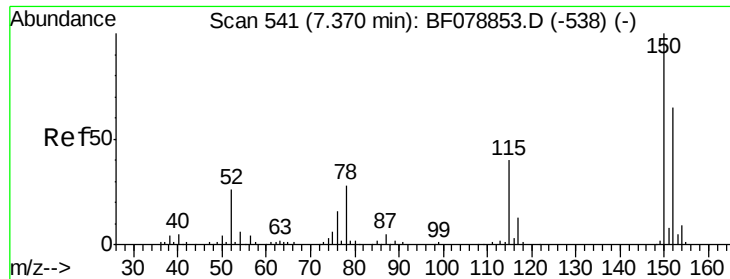
Target Compounds						Qvalue
6) Aniline	6.91	93	28042	3.70	ng	# 83
10) Phenol	6.91	94	17951	2.88	ng	95
48) Acenaphthylene	10.93	152	34628	2.30	ng	99
49) Dimethylphthalate	10.78	163	33700	3.10	ng	100
62) Azobenzene	12.00	77	34953	3.30	ng	# 1
70) Phenanthrene	12.97	178	218067	13.83	ng	100
71) Anthracene	13.04	178	50206	3.25	ng	99
74) Fluoranthene	14.46	202	379791	23.12	ng	94
77) Pyrene	14.73	202	338766	19.81	ng	97
80) Benzo(a)anthracene	16.29	228	122169	7.52	ng	96
82) Chrysene	16.29	228	173739	11.11	ng	97
83) Bis(2-ethylhexyl)phthalate	16.30	149	24915	2.20	ng	# 98
87) Benzo(b)fluoranthene	17.60	252	311424	17.19	ng	100
88) Benzo(k)fluoranthene	17.60	252	409328	23.34	ng	99
89) Benzo(a)pyrene	18.01	252	232466	13.94	ng	99
90) Dibenzo(a,h)anthracene	19.61	278	39351	2.22	ng	# 91
91) Benzo(g,h,i)perylene	20.02	276	172850	9.73	ng	97

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

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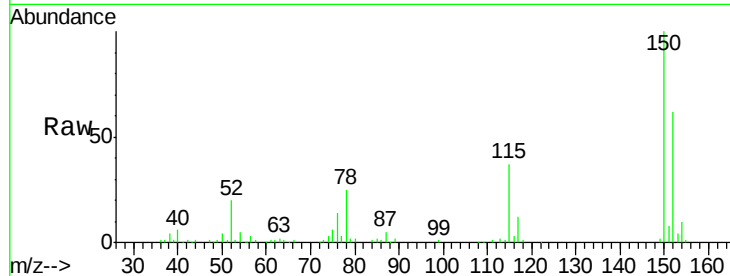




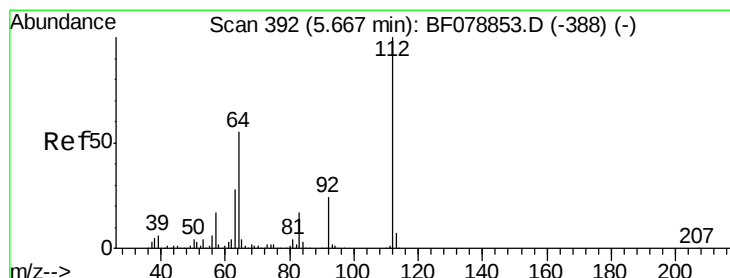
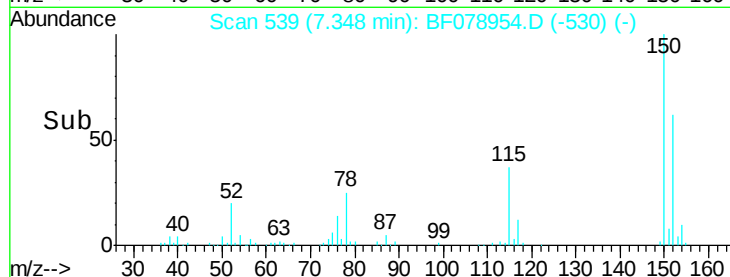
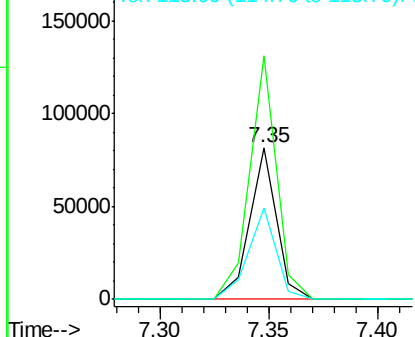
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 7.35 min Scan# 539
 Delta R.T. 0.00 min
 Lab File: BF078954.D
 Acq: 6 May 2015 12:17

Instrument :
 BNA_F
 ClientSampleId :
 GRID-3(0-6)

Tgt Ion:152 Resp: 69908
 Ion Ratio Lower Upper
 152 100
 150 160.5 122.0 183.0
 115 59.9 46.3 69.5

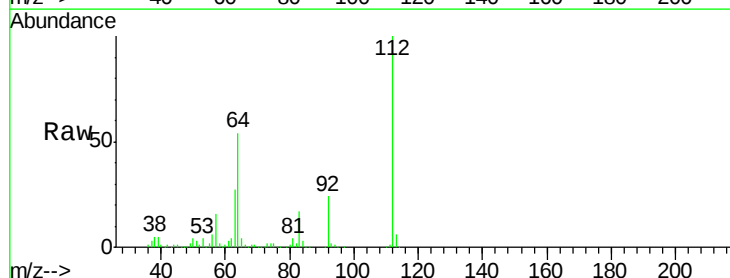


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

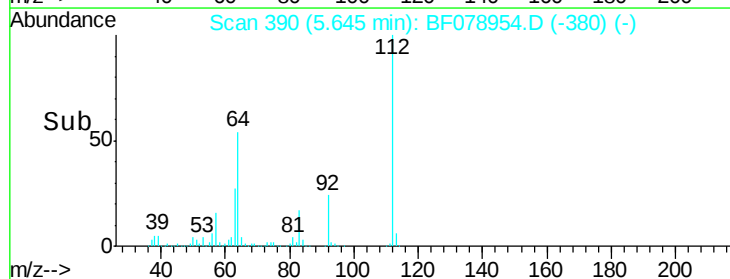
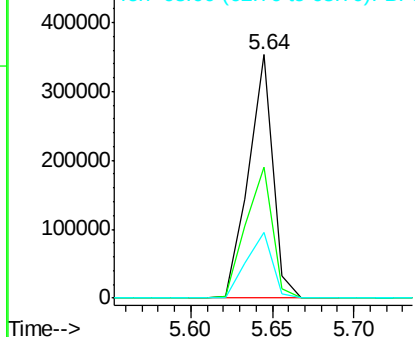


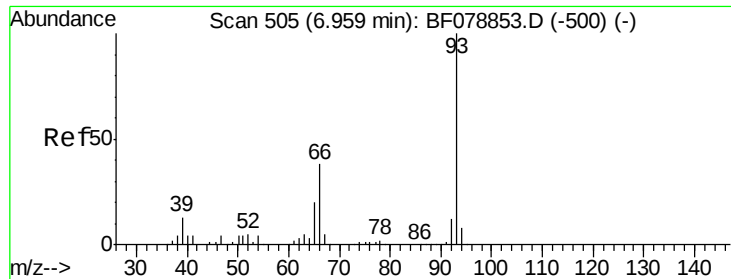
#5
 2-Fluorophenol
 Concen: 90.34 ng
 RT: 5.64 min Scan# 390
 Delta R.T. 0.01 min
 Lab File: BF078954.D
 Acq: 6 May 2015 12:17

Tgt Ion:112 Resp: 366905
 Ion Ratio Lower Upper
 112 100
 64 53.9 53.5 80.3
 63 27.1 27.5 41.3#



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





#6

Aniline

Concen: 3.70 ng

RT: 6.91 min Scan# 501

Delta R.T. -0.02 min

Lab File: BF078954.D

Acq: 6 May 2015 12:17

Instrument :

BNA_F

ClientSampleId :

GRID-3(0-6)

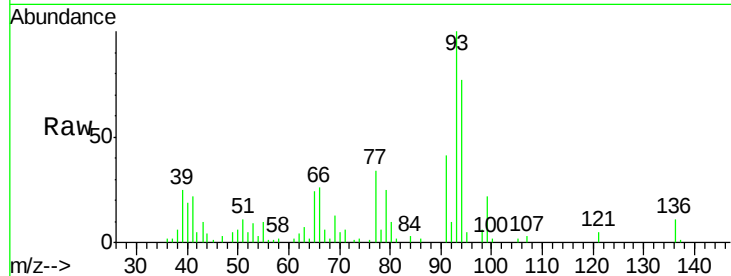
Tgt Ion: 93 Resp: 28042

Ion Ratio Lower Upper

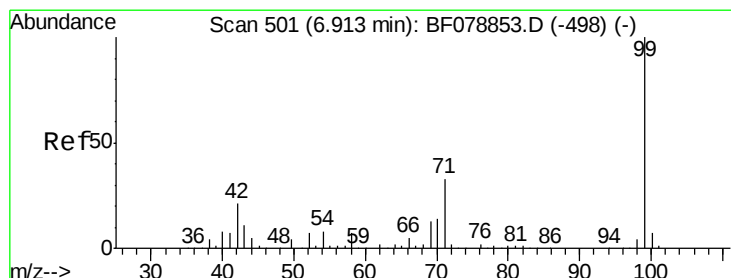
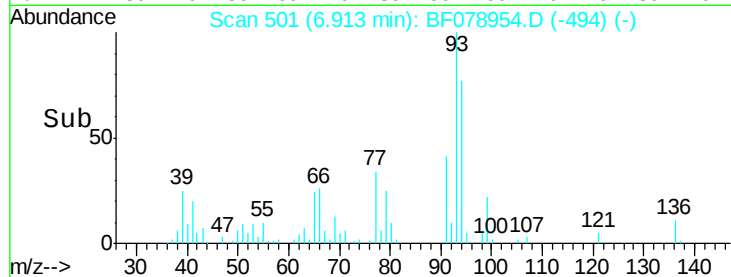
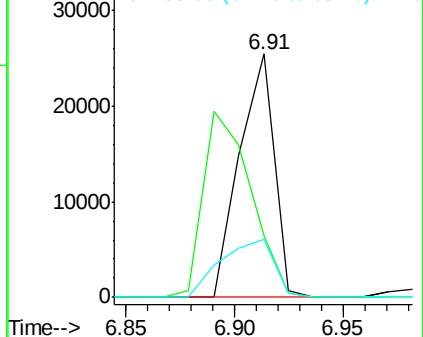
93 100

66 25.6 29.7 44.5#

65 23.9 14.6 22.0#



Abundance Ion 93.00 (92.70 to 93.70): BF0
Ion 66.00 (65.70 to 66.70): BF0
Ion 65.00 (64.70 to 65.70): BF0



#7

Phenol-d6

Concen: 102.47 ng

RT: 6.89 min Scan# 499

Delta R.T. 0.00 min

Lab File: BF078954.D

Acq: 6 May 2015 12:17

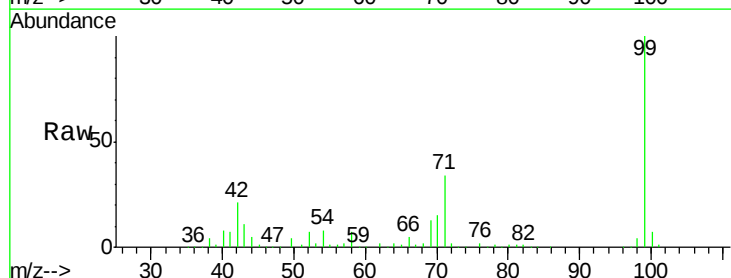
Tgt Ion: 99 Resp: 550104

Ion Ratio Lower Upper

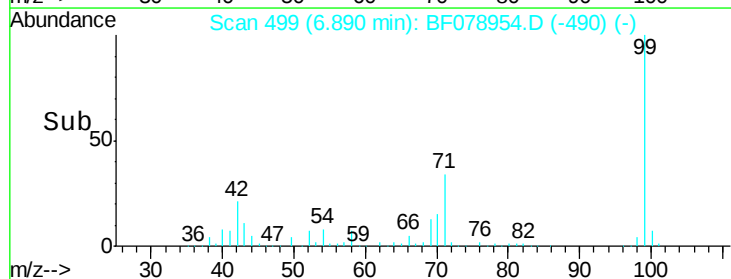
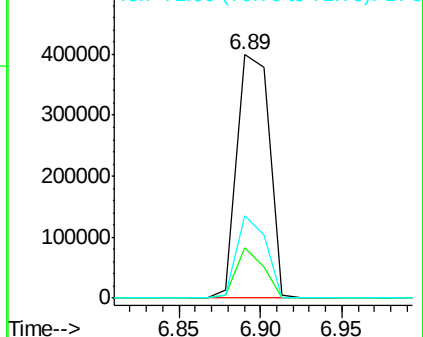
99 100

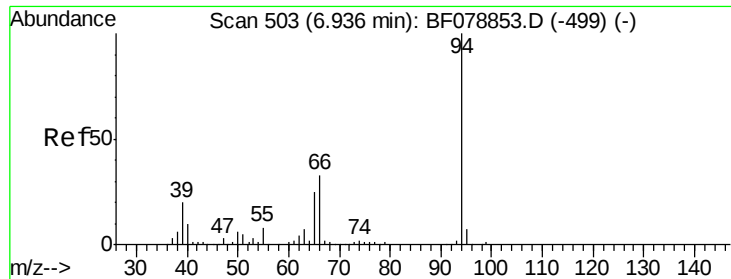
42 20.8 12.8 19.2#

71 33.6 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





#10

Phenol

Concen: 2.88 ng

RT: 6.91 min Scan# 501

Delta R.T. 0.00 min

Lab File: BF078954.D

Acq: 6 May 2015 12:17

Instrument :

BNA_F

ClientSampled :

GRID-3(0-6)

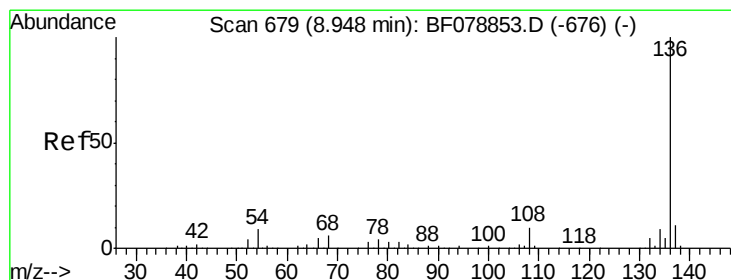
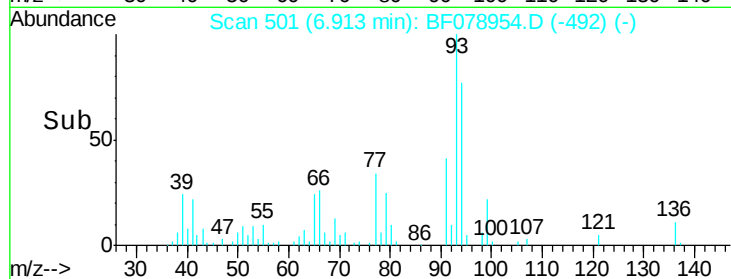
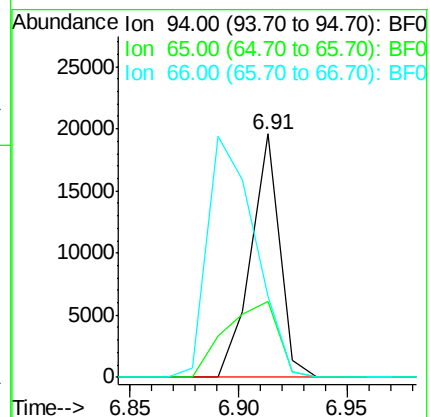
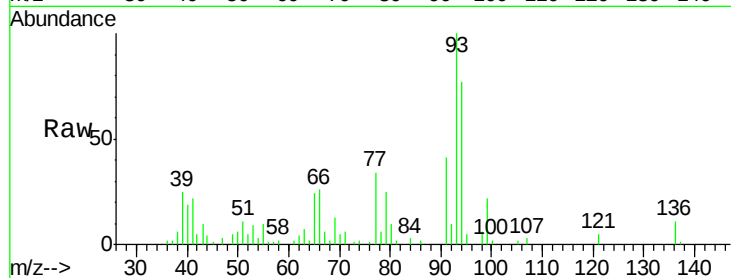
Tgt Ion: 94 Resp: 17951

Ion Ratio Lower Upper

94 100

65 31.1 8.5 48.5

66 33.2 16.0 56.0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.92 min Scan# 677

Delta R.T. 0.00 min

Lab File: BF078954.D

Acq: 6 May 2015 12:17

Tgt Ion: 136 Resp: 302656

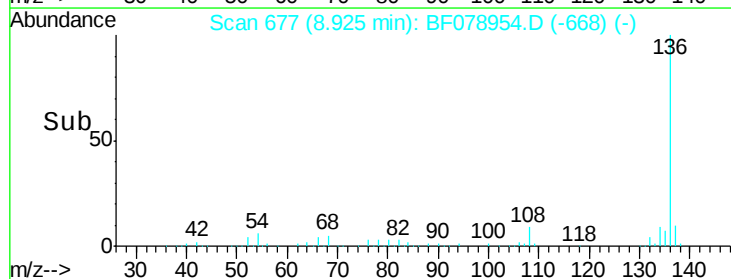
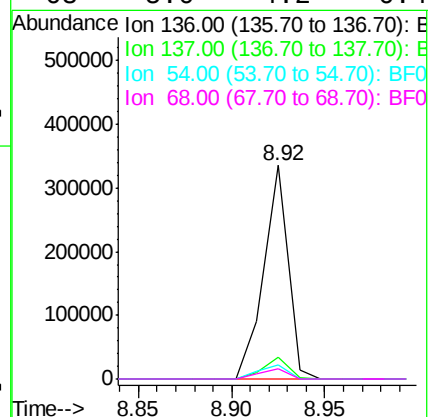
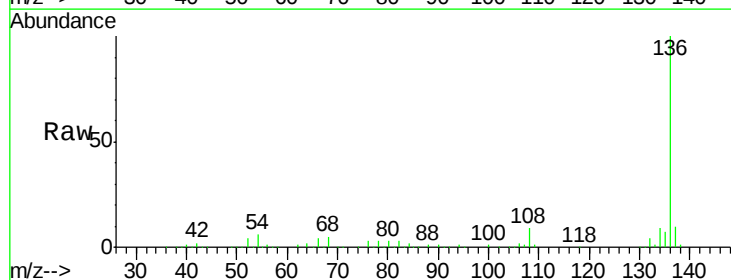
Ion Ratio Lower Upper

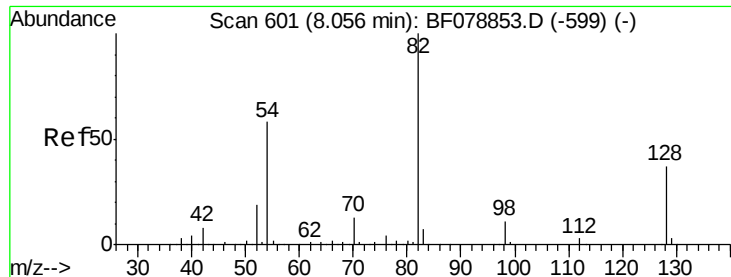
136 100

137 10.4 8.7 13.1

54 6.5 5.8 8.8

68 5.0 4.2 6.4

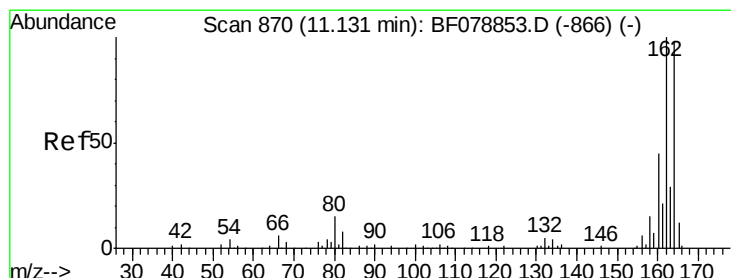
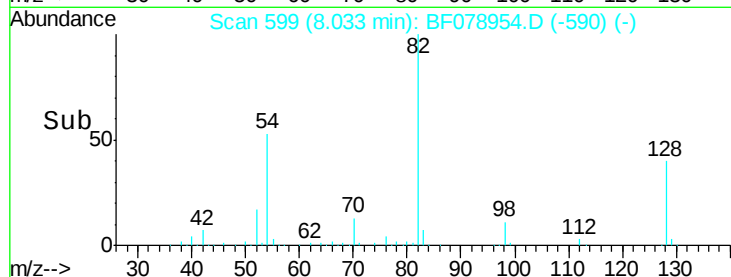
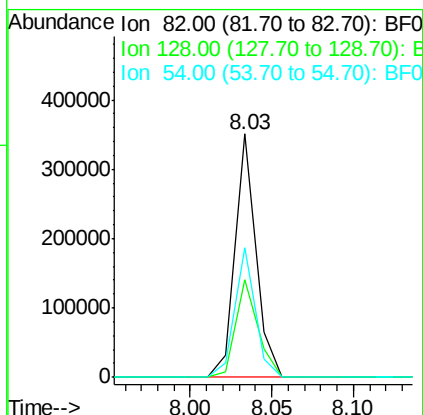
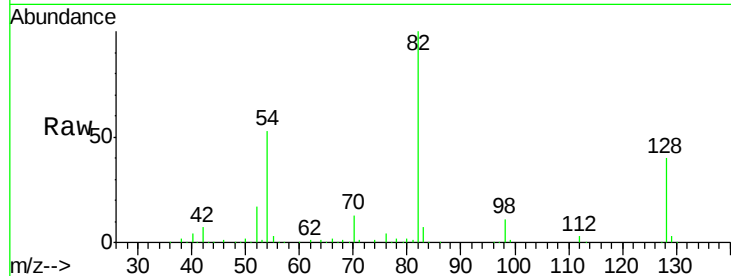




#23
 Nitrobenzene-d5
 Concen: 58.66 ng
 RT: 8.03 min Scan# 599
 Delta R.T. 0.00 min
 Lab File: BF078954.D
 Acq: 6 May 2015 12:17

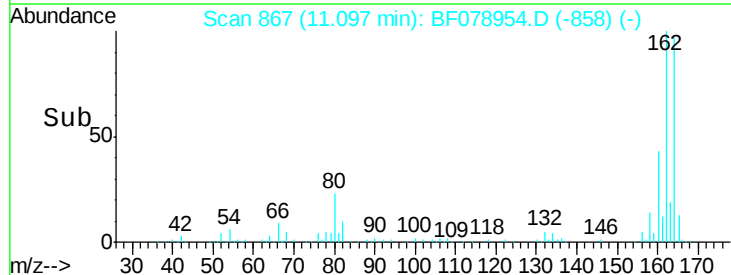
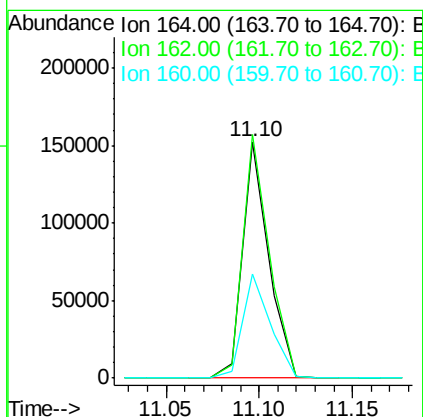
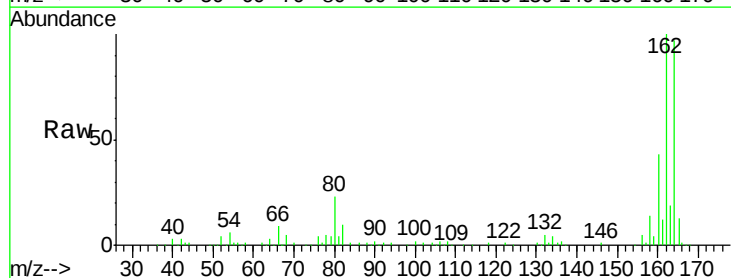
Instrument :
 BNA_F
 ClientSampleId :
 GRID-3(0-6)

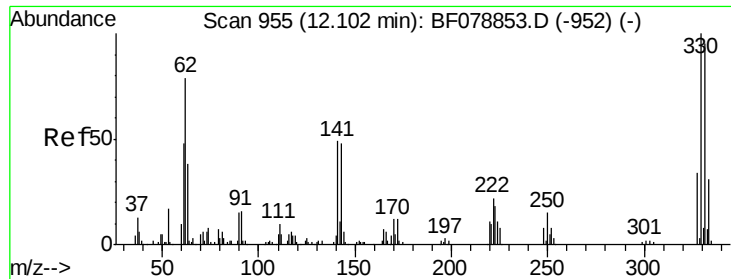
Tgt Ion: 82 Resp: 308931
 Ion Ratio Lower Upper
 82 100
 128 40.2 30.0 45.0
 54 53.4 46.4 69.6



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 11.10 min Scan# 867
 Delta R.T. 0.00 min
 Lab File: BF078954.D
 Acq: 6 May 2015 12:17

Tgt Ion: 164 Resp: 147896
 Ion Ratio Lower Upper
 164 100
 162 103.1 82.7 124.1
 160 44.3 35.8 53.8

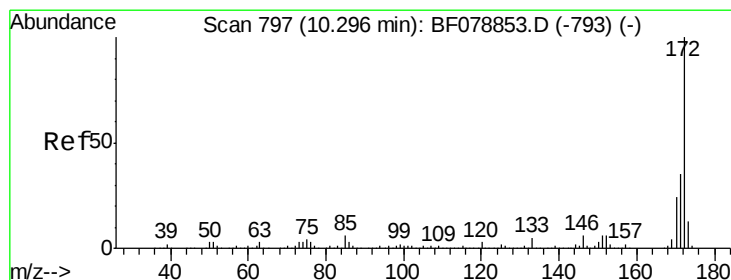
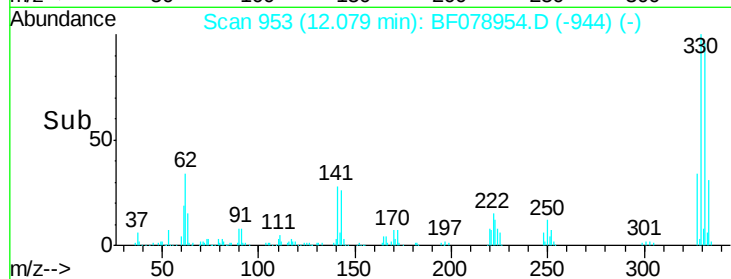
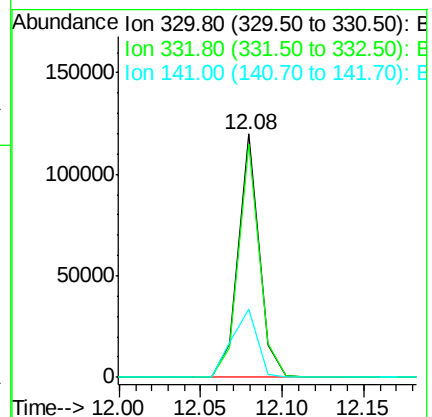
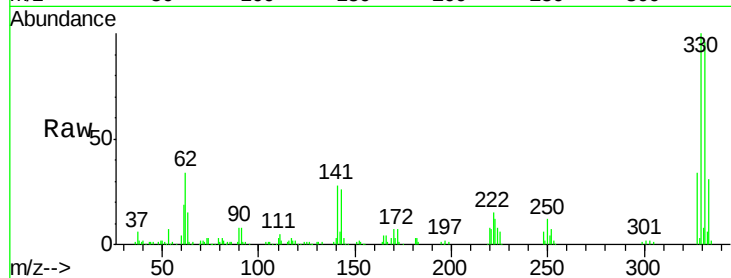




#41
 2,4,6-Tribromophenol
 Concen: 66.14 ng
 RT: 12.08 min Scan# 953
 Delta R.T. 0.00 min
 Lab File: BF078954.D
 Acq: 6 May 2015 12:17

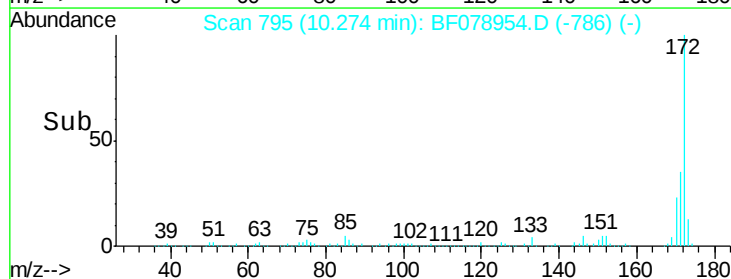
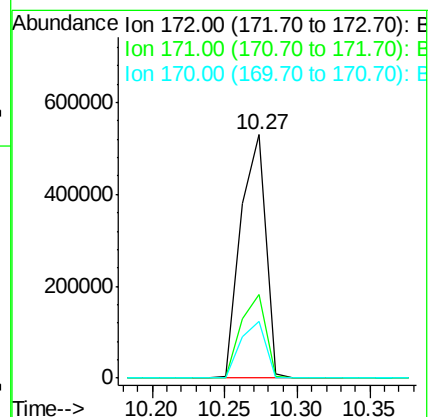
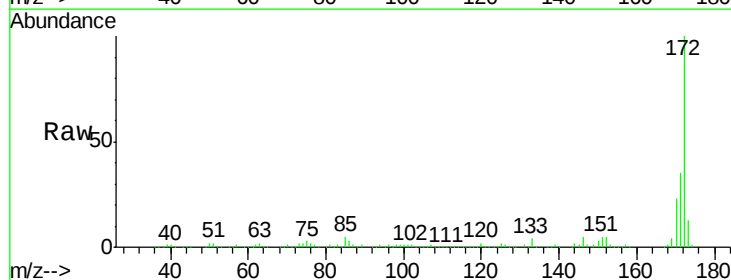
Instrument :
 BNA_F
 ClientSampleId :
 GRID-3(0-6)

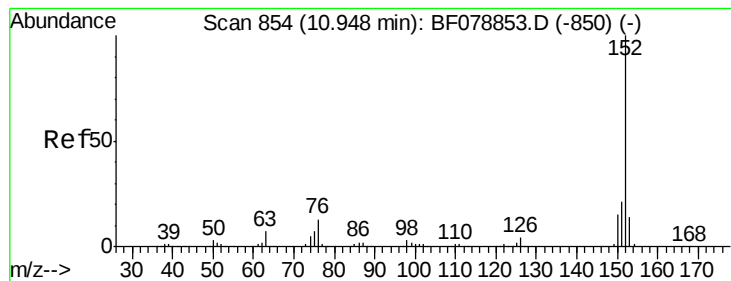
Tgt Ion:330 Resp: 105828
 Ion Ratio Lower Upper
 330 100
 332 96.1 0.0 0.0#
 141 34.0 0.0 0.0#



#44
 2-Fluorobiphenyl
 Concen: 59.91 ng
 RT: 10.27 min Scan# 795
 Delta R.T. 0.00 min
 Lab File: BF078954.D
 Acq: 6 May 2015 12:17

Tgt Ion:172 Resp: 636020
 Ion Ratio Lower Upper
 172 100
 171 34.6 27.9 41.9
 170 23.4 19.4 29.0





#48

Acenaphthylene

Concen: 2.30 ng

RT: 10.93 min Scan# 852

Delta R.T. 0.00 min

Lab File: BF078954.D

Acq: 6 May 2015 12:17

Instrument :

BNA_F

ClientSampleId :

GRID-3(0-6)

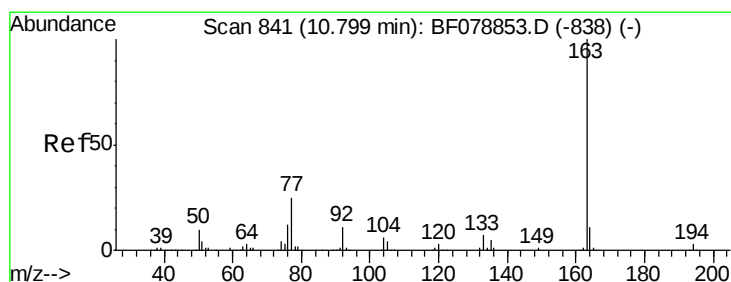
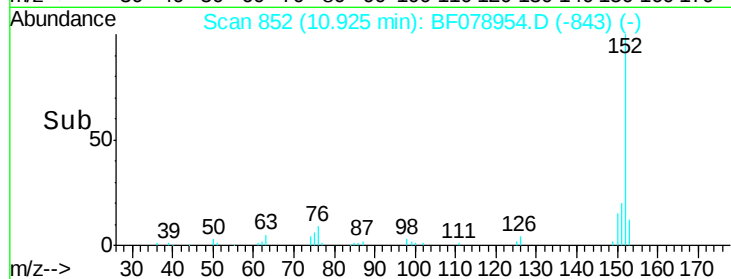
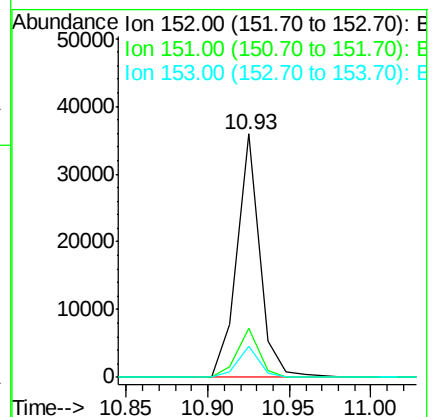
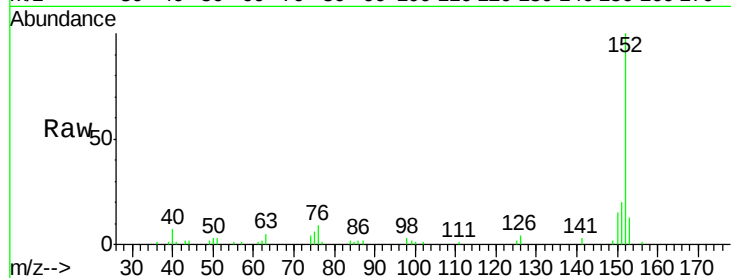
Tgt Ion:152 Resp: 34628

Ion Ratio Lower Upper

152 100

151 20.3 16.2 24.4

153 12.6 10.9 16.3



#49

Dimethylphthalate

Concen: 3.10 ng

RT: 10.78 min Scan# 839

Delta R.T. 0.00 min

Lab File: BF078954.D

Acq: 6 May 2015 12:17

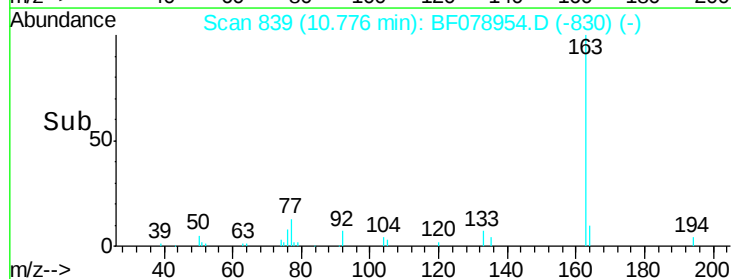
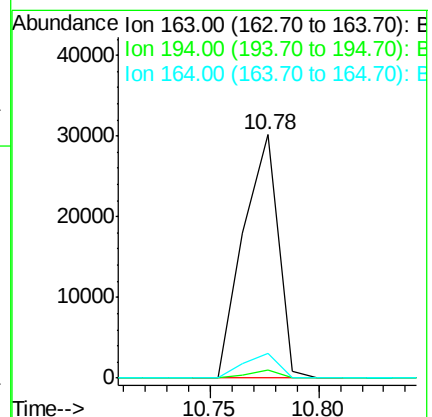
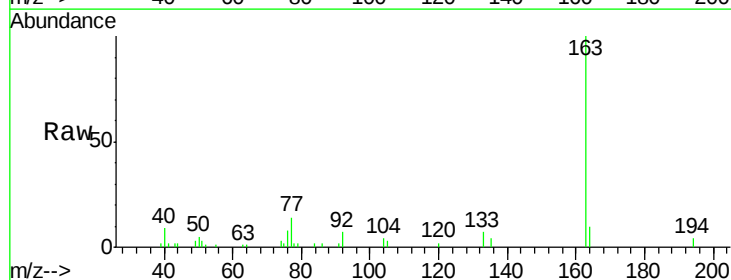
Tgt Ion:163 Resp: 33700

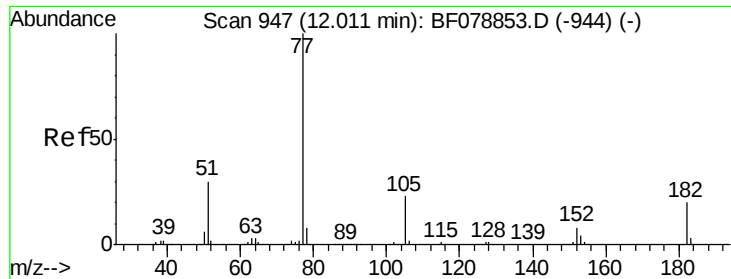
Ion Ratio Lower Upper

163 100

194 3.5 2.6 4.0

164 10.1 8.1 12.1





#62

Azobenzene

Concen: 3.30 ng

RT: 12.00 min Scan# 946

Delta R.T. 0.01 min

Lab File: BF078954.D

Acq: 6 May 2015 12:17

Instrument :

BNA_F

ClientSampleId :

GRID-3(0-6)

Tgt Ion: 77 Resp: 34953

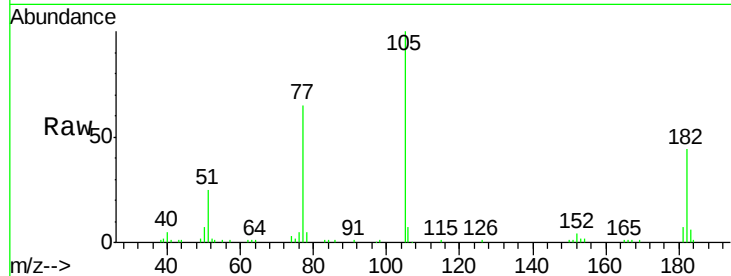
Ion Ratio Lower Upper

77 100

182 68.7 3.8 43.8#

105 154.4 3.9 43.9#

51 38.7 10.8 50.8

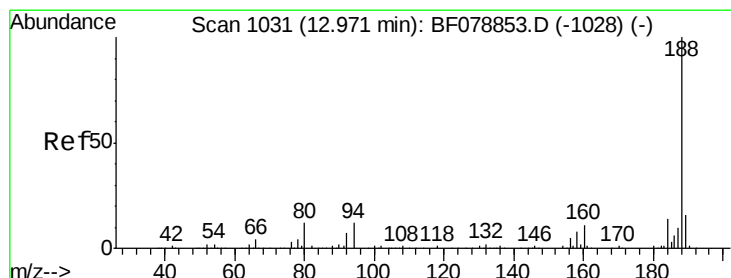
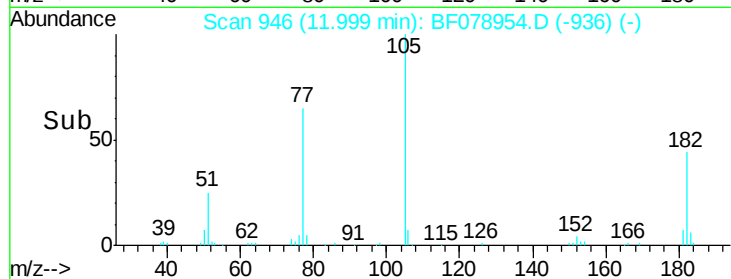
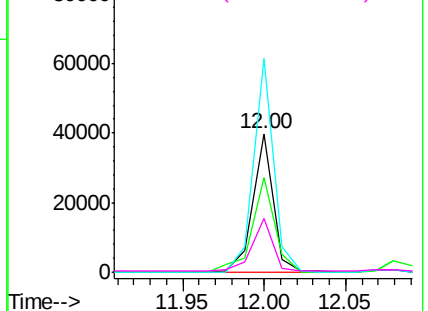


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BF0



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 12.95 min Scan# 1029

Delta R.T. 0.00 min

Lab File: BF078954.D

Acq: 6 May 2015 12:17

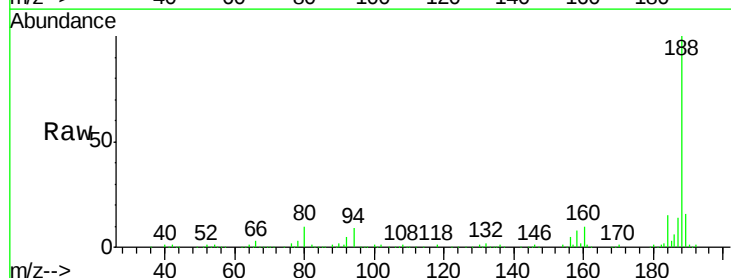
Tgt Ion: 188 Resp: 281787

Ion Ratio Lower Upper

188 100

94 9.2 8.2 12.2

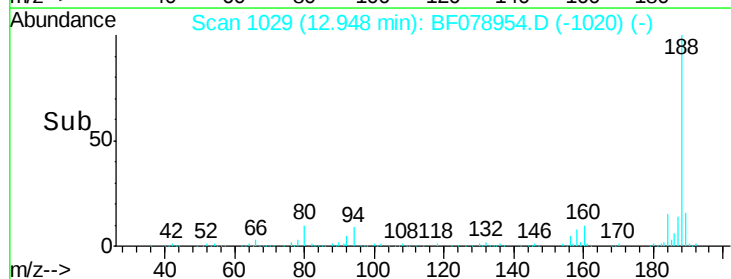
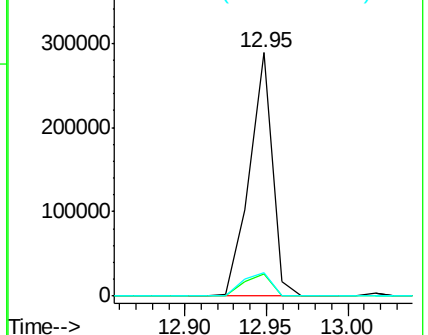
80 9.5 8.9 13.3

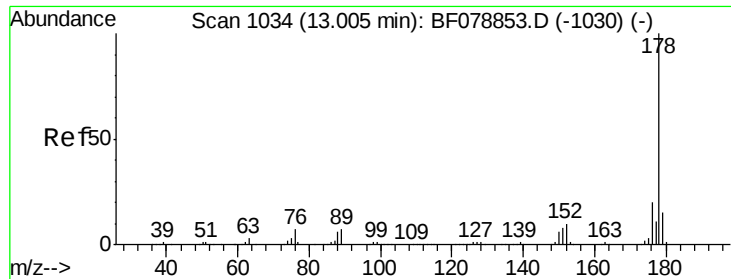


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

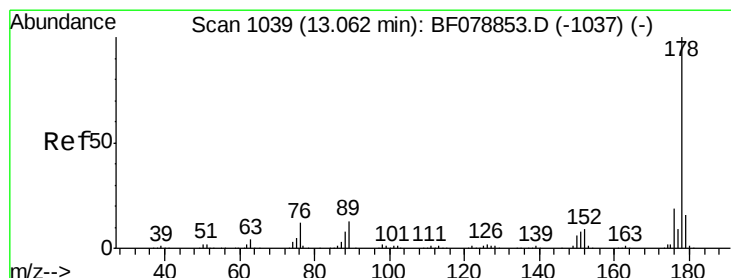
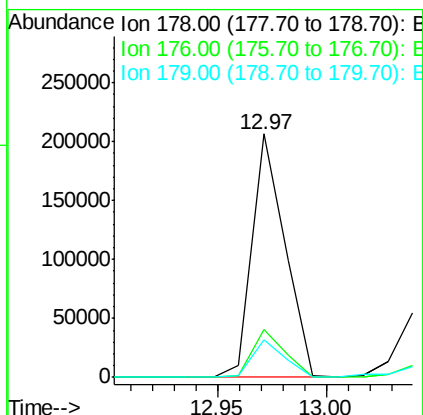
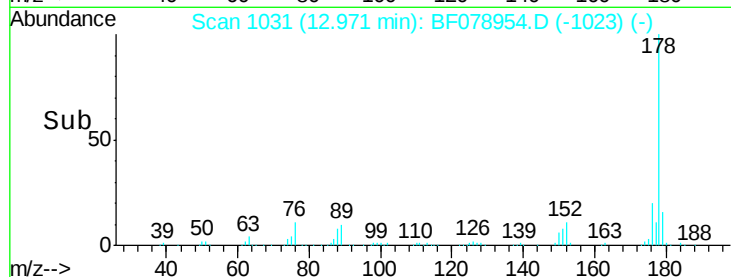
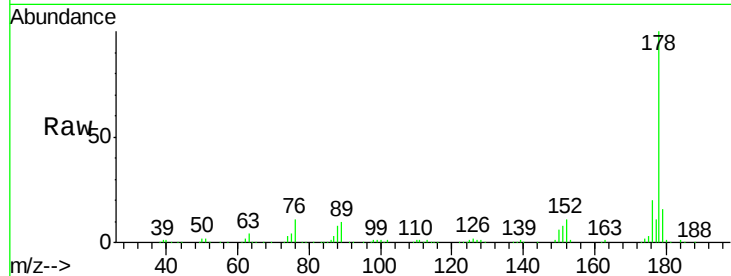




#70
Phenanthrene
Concen: 13.83 ng
RT: 12.97 min Scan# 1031
Delta R.T. -0.01 min
Lab File: BF078954.D
Acq: 6 May 2015 12:17

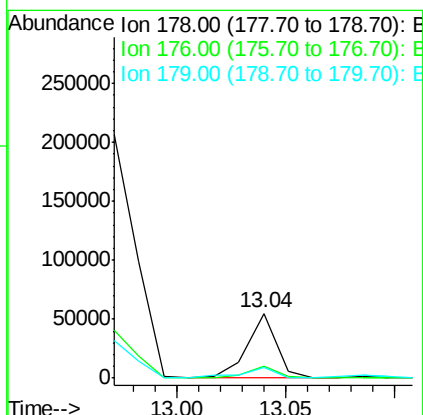
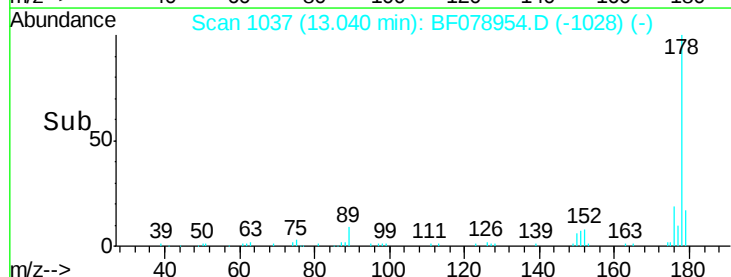
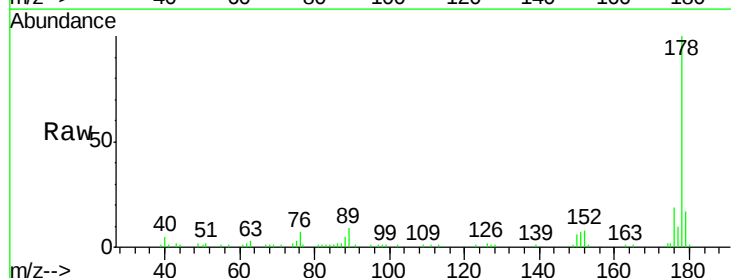
Instrument :
BNA_F
ClientSampleId :
GRID-3(0-6)

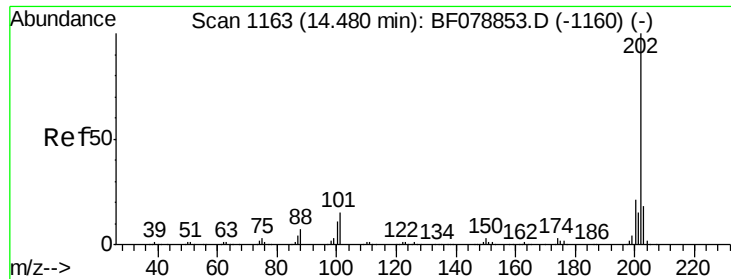
Tgt Ion:178 Resp: 218067
Ion Ratio Lower Upper
178 100
176 19.5 15.8 23.8
179 15.6 12.5 18.7



#71
Anthracene
Concen: 3.25 ng
RT: 13.04 min Scan# 1037
Delta R.T. 0.00 min
Lab File: BF078954.D
Acq: 6 May 2015 12:17

Tgt Ion:178 Resp: 50206
Ion Ratio Lower Upper
178 100
176 18.8 15.5 23.3
179 16.6 12.7 19.1





#74

Fluoranthene

Concen: 23.12 ng

RT: 14.46 min Scan# 1161

Delta R.T. 0.00 min

Lab File: BF078954.D

Acq: 6 May 2015 12:17

Instrument :

BNA_F

ClientSampleId :

GRID-3(0-6)

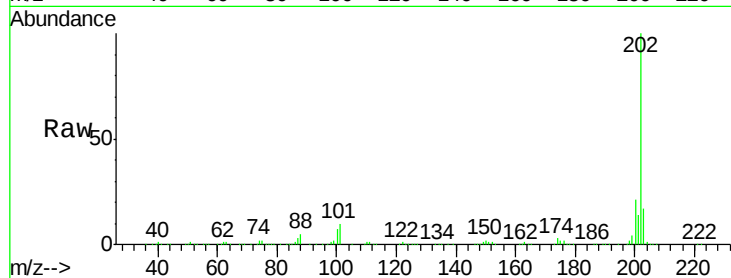
Tgt Ion: 202 Resp: 379791

Ion Ratio Lower Upper

202 100

101 10.5 0.0 34.6

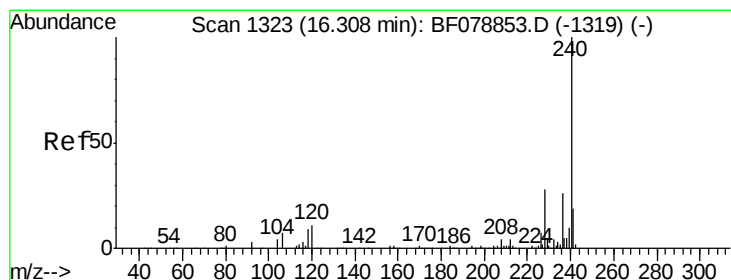
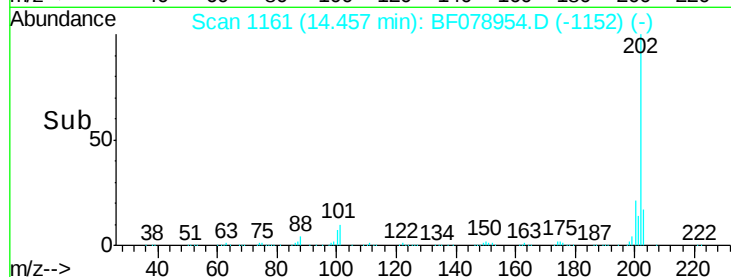
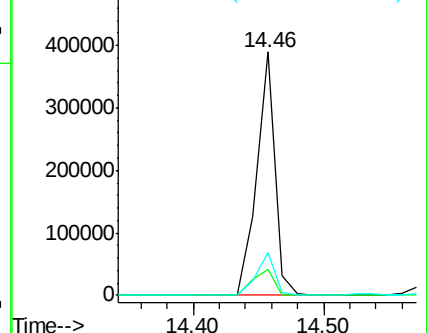
203 17.4 0.0 38.4



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: 16.26 min Scan# 1319

Delta R.T. -0.05 min

Lab File: BF078954.D

Acq: 6 May 2015 12:17

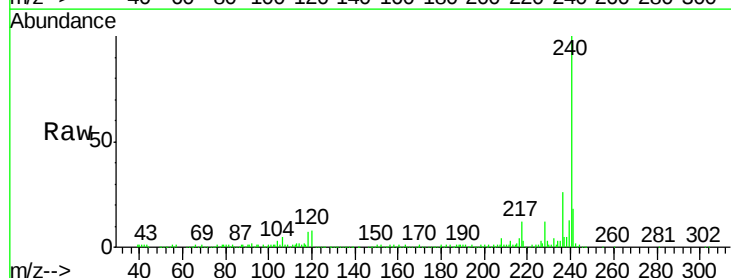
Tgt Ion: 240 Resp: 296803

Ion Ratio Lower Upper

240 100

120 8.3 9.7 14.5#

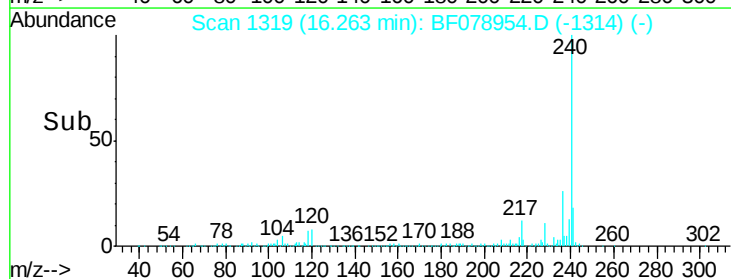
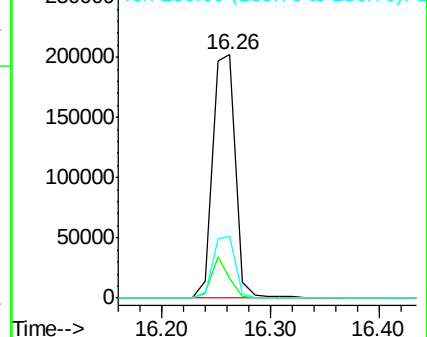
236 25.7 20.2 30.4

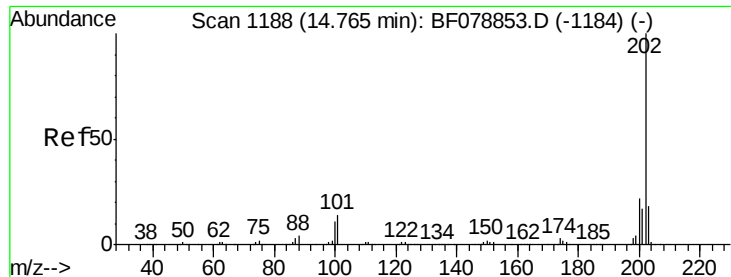


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

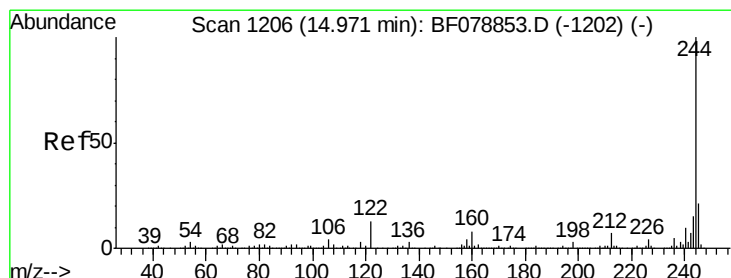
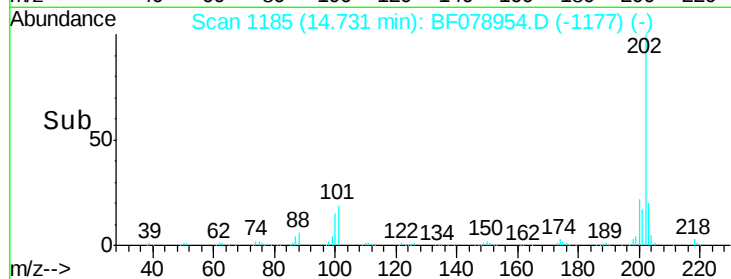
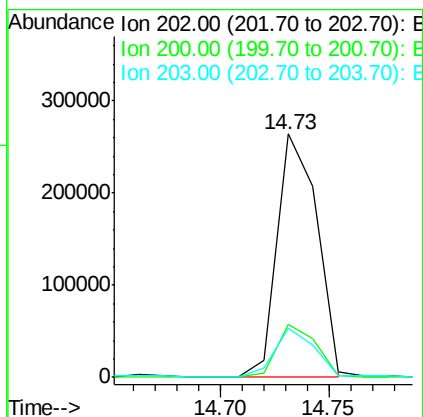
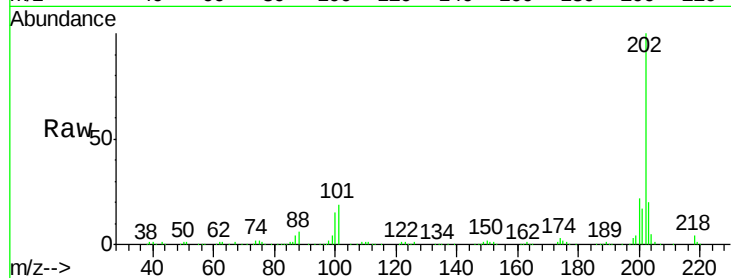




#77
 Pyrene
 Concen: 19.81 ng
 RT: 14.73 min Scan# 1185
 Delta R.T. -0.01 min
 Lab File: BF078954.D
 Acq: 6 May 2015 12:17

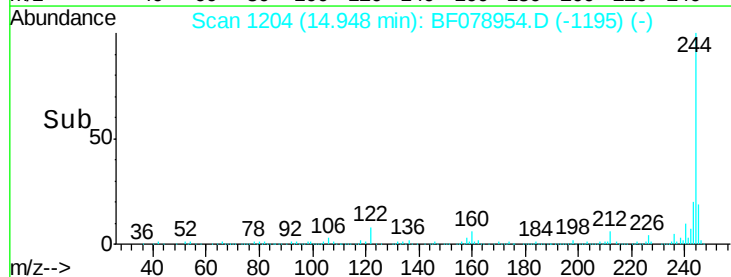
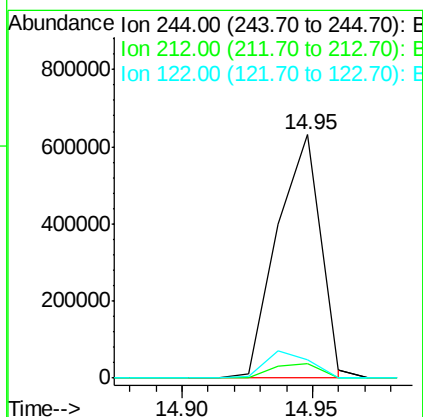
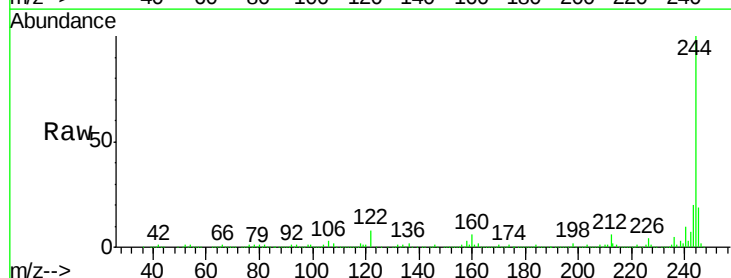
Instrument :
 BNA_F
 ClientSampleId :
 GRID-3(0-6)

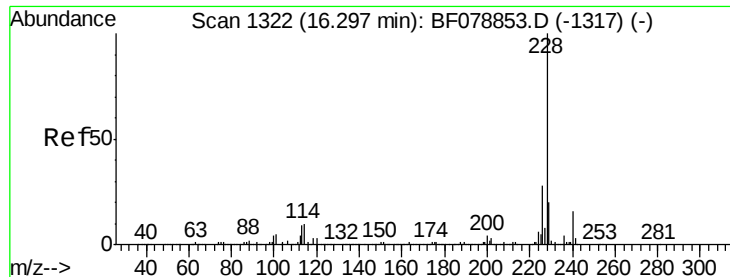
Tgt Ion: 202 Resp: 338766
 Ion Ratio Lower Upper
 202 100
 200 21.8 17.5 26.3
 203 20.4 13.9 20.9



#78
 Terphenyl-d14
 Concen: 58.71 ng
 RT: 14.95 min Scan# 1204
 Delta R.T. 0.00 min
 Lab File: BF078954.D
 Acq: 6 May 2015 12:17

Tgt Ion: 244 Resp: 727841
 Ion Ratio Lower Upper
 244 100
 212 5.9 5.6 8.4
 122 7.7 10.3 15.5#





#80

Benzo(a)anthracene

Concen: 7.52 ng

RT: 16.29 min Scan# 1321

Delta R.T. 0.00 min

Lab File: BF078954.D

Acq: 6 May 2015 12:17

Instrument :

BNA_F

ClientSampleId :

GRID-3(0-6)

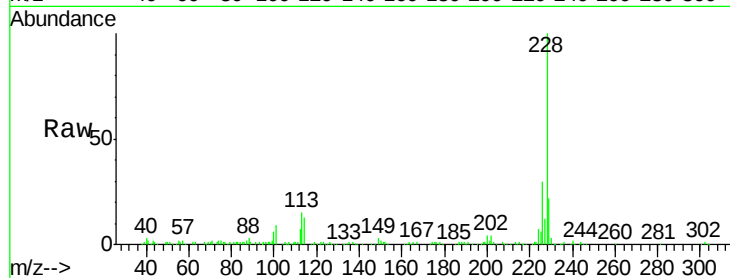
Tgt Ion:228 Resp: 122169

Ion Ratio Lower Upper

228 100

226 30.1 22.6 33.8

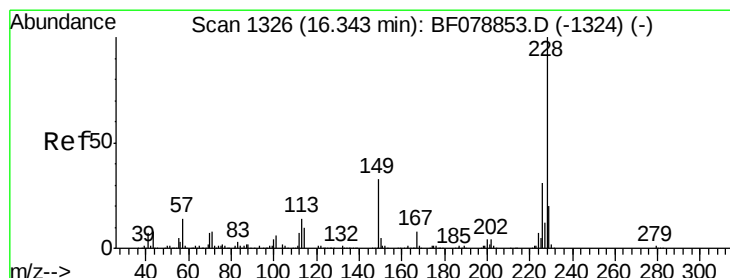
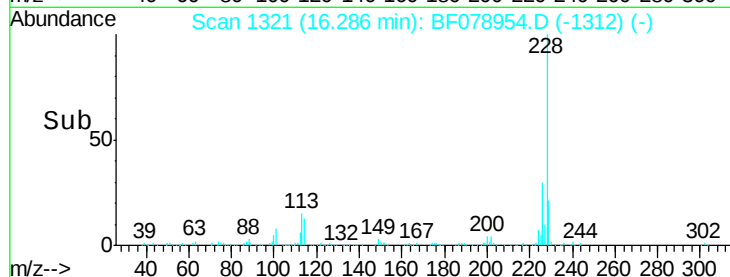
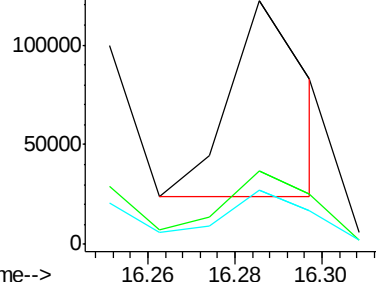
229 22.1 15.9 23.9



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: 11.11 ng

RT: 16.29 min Scan# 1321

Delta R.T. -0.06 min

Lab File: BF078954.D

Acq: 6 May 2015 12:17

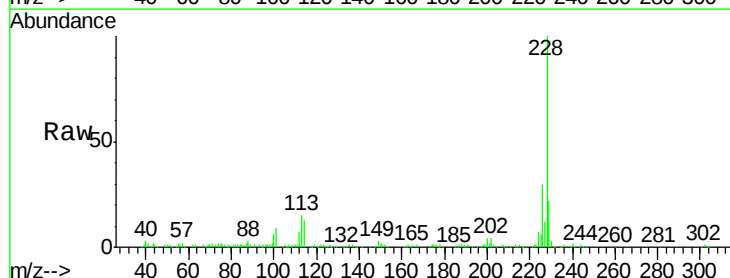
Tgt Ion:228 Resp: 173739

Ion Ratio Lower Upper

228 100

226 30.1 24.9 37.3

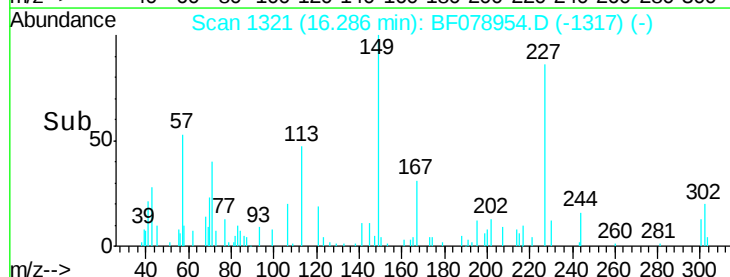
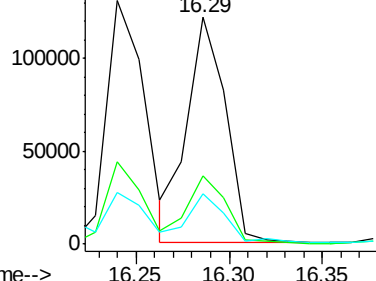
229 22.1 16.0 24.0

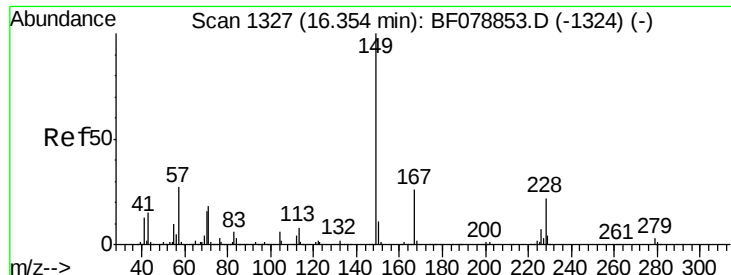


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

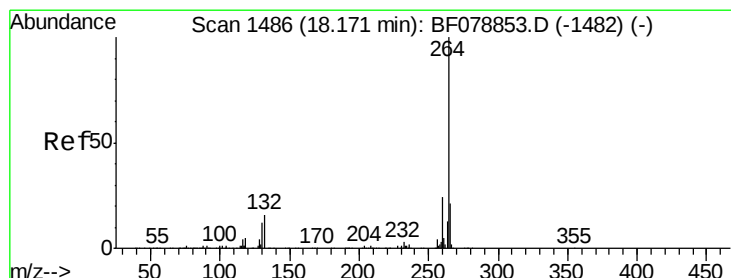
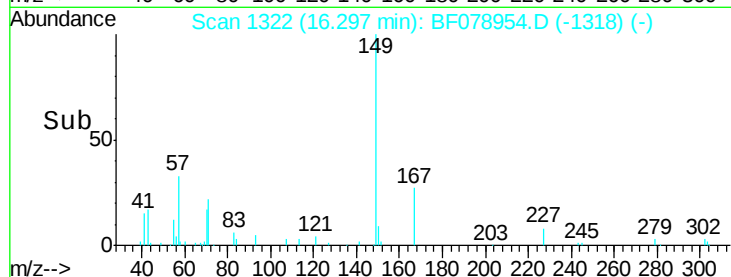
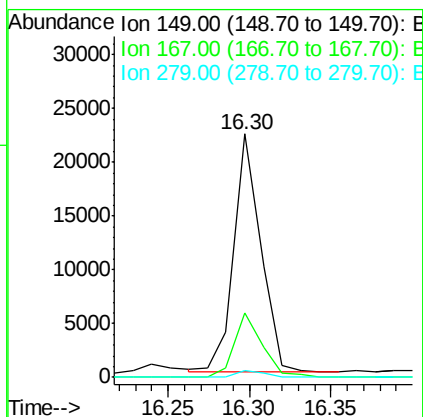
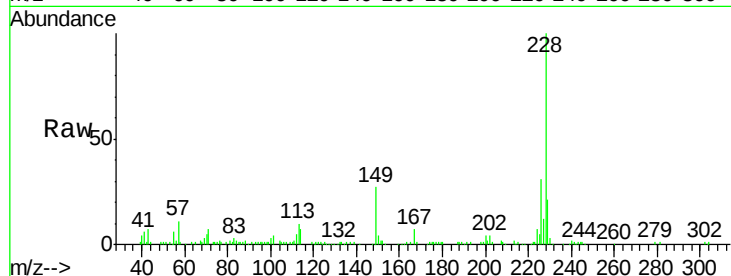




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 2.20 ng
 RT: 16.30 min Scan# 1322
 Delta R.T. -0.06 min
 Lab File: BF078954.D
 Acq: 6 May 2015 12:17

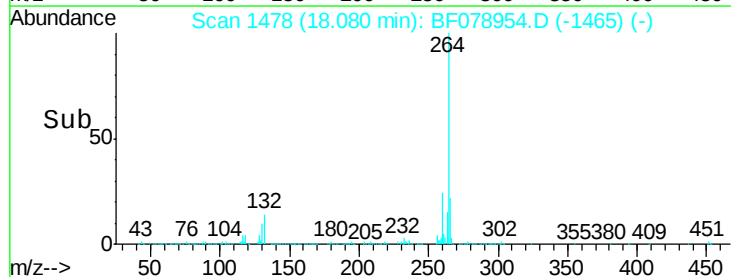
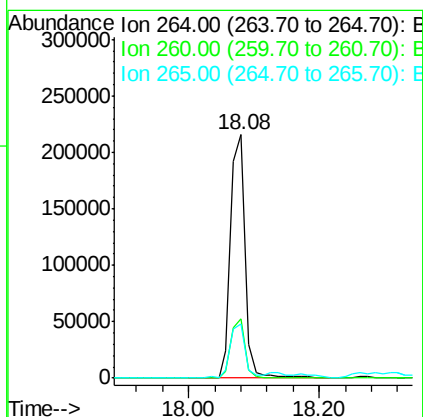
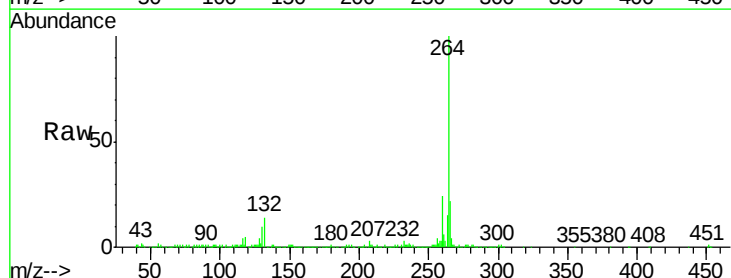
Instrument :
 BNA_F
 ClientSampleId :
 GRID-3(0-6)

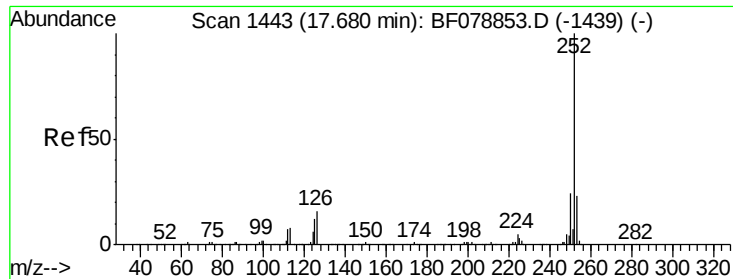
Tgt Ion:149 Resp: 24915
 Ion Ratio Lower Upper
 149 100
 167 26.5 21.8 32.8
 279 2.9 2.9 4.3#



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 18.08 min Scan# 1478
 Delta R.T. -0.15 min
 Lab File: BF078954.D
 Acq: 6 May 2015 12:17

Tgt Ion:264 Resp: 330977
 Ion Ratio Lower Upper
 264 100
 260 24.2 19.4 29.2
 265 22.3 18.3 27.5





#87

Benzo(b)fluoranthene

Concen: 17.19 ng

RT: 17.60 min Scan# 1436

Delta R.T. -0.13 min

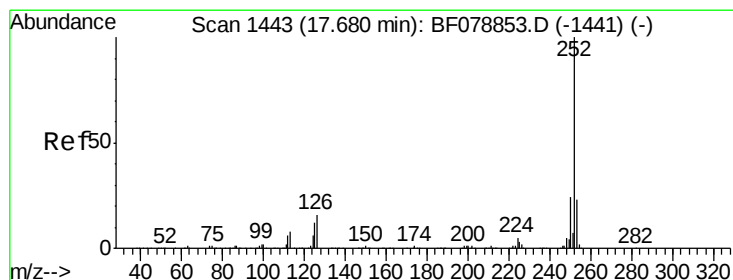
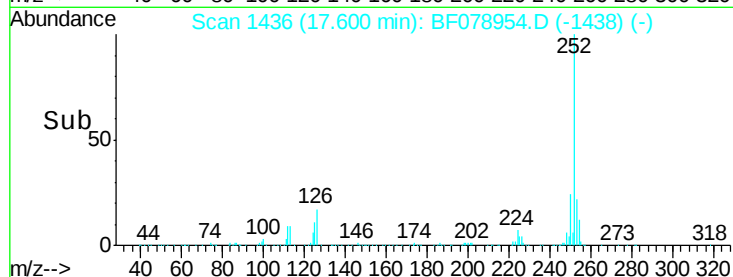
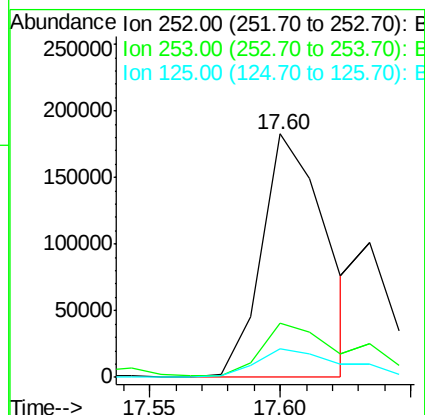
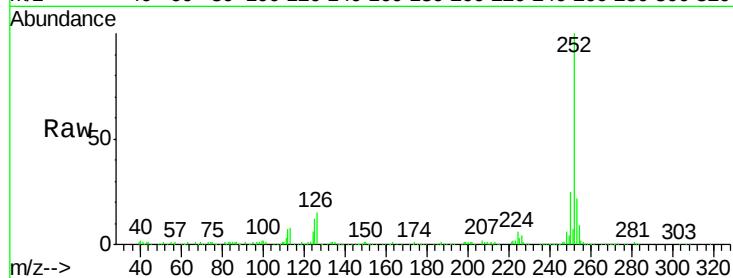
Lab File: BF078954.D

Acq: 6 May 2015 12:17

Instrument :
BNA_F
ClientSampleId :
GRID-3(0-6)

Tgt Ion:252 Resp: 311424

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.7	26.5
125	11.8	9.5	14.3



#88

Benzo(k)fluoranthene

Concen: 23.34 ng

RT: 17.60 min Scan# 1436

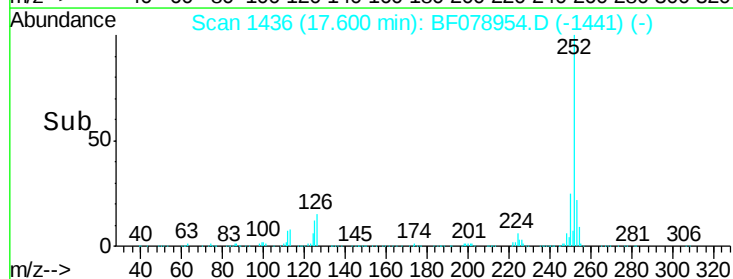
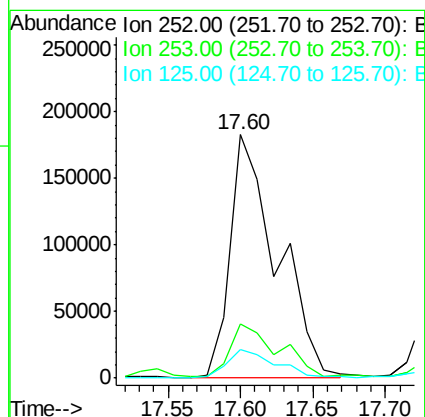
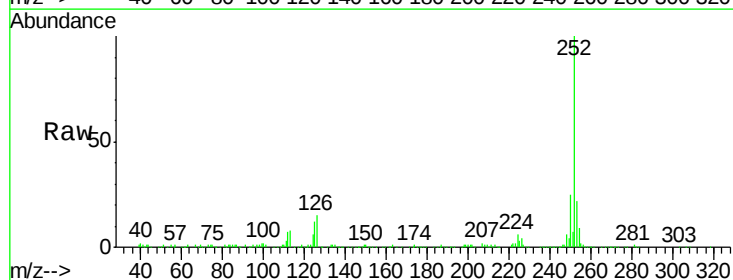
Delta R.T. -0.16 min

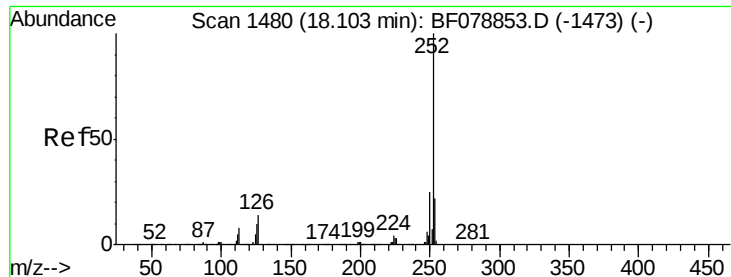
Lab File: BF078954.D

Acq: 6 May 2015 12:17

Tgt Ion:252 Resp: 409328

Ion	Ratio	Lower	Upper
252	100		
253	22.3	18.1	27.1
125	11.8	10.0	15.0





#89

Benzo(a)pyrene

Concen: 13.94 ng

RT: 18.01 min Scan# 1472

Delta R.T. -0.14 min

Lab File: BF078954.D

Acq: 6 May 2015 12:17

Instrument :

BNA_F

ClientSampleId :

GRID-3(0-6)

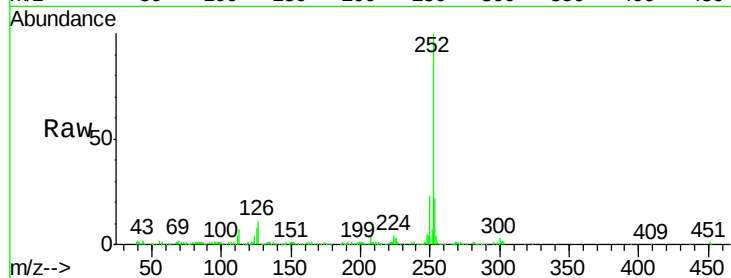
Tgt Ion:252 Resp: 232466

Ion Ratio Lower Upper

252 100

253 22.0 17.3 25.9

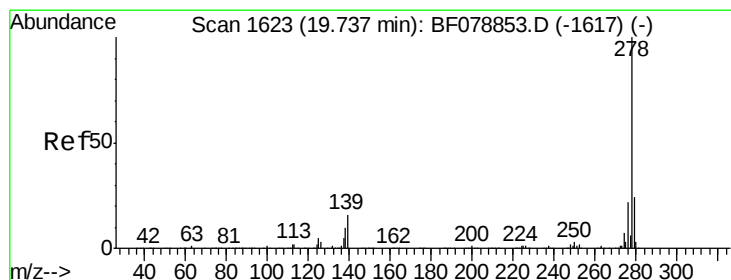
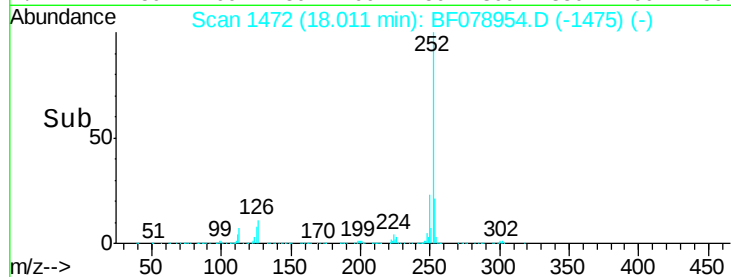
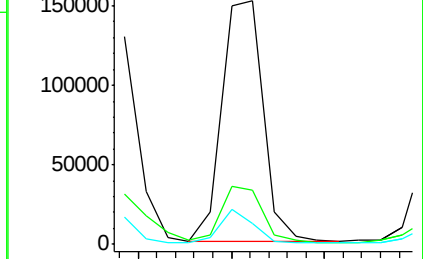
125 8.3 7.0 10.6



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



#90

Dibenzo(a,h)anthracene

Concen: 2.22 ng

RT: 19.61 min Scan# 1612

Delta R.T. -0.18 min

Lab File: BF078954.D

Acq: 6 May 2015 12:17

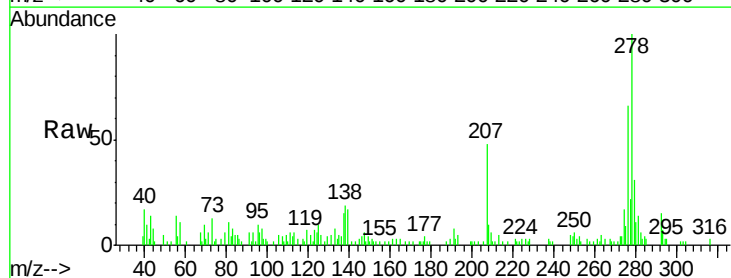
Tgt Ion:278 Resp: 39351

Ion Ratio Lower Upper

278 100

139 17.4 12.8 19.2

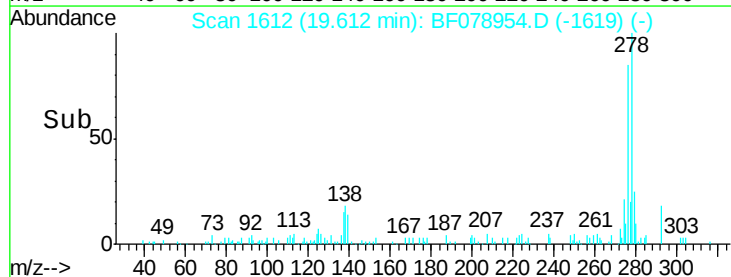
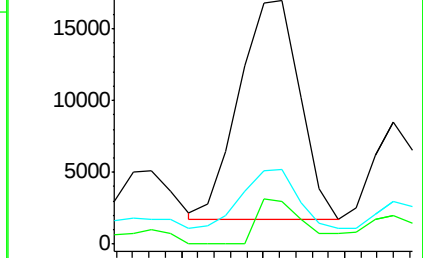
279 30.9 19.6 29.4#

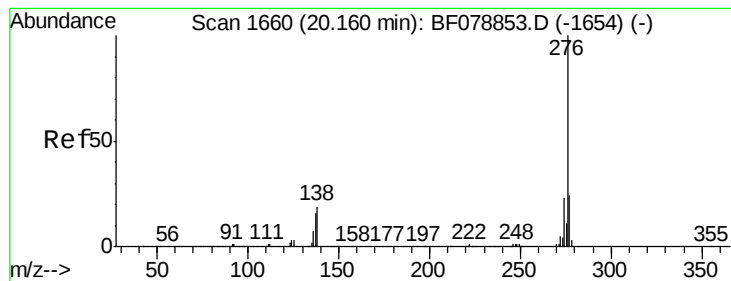


Abundance Ion 278.00 (277.70 to 278.70): E

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: 9.73 ng

RT: 20.02 min Scan# 1648

Delta R.T. -0.18 min

Lab File: BF078954.D

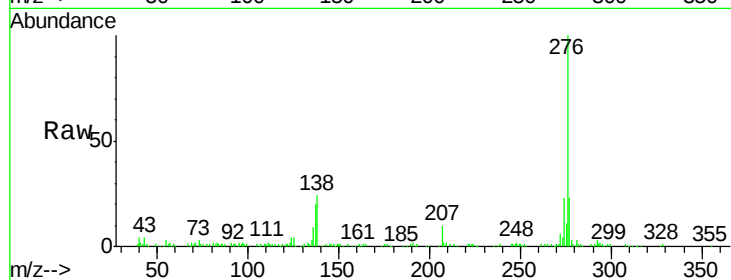
Acq: 6 May 2015 12:17

Instrument :

BNA_F

ClientSampleId :

GRID-3(0-6)



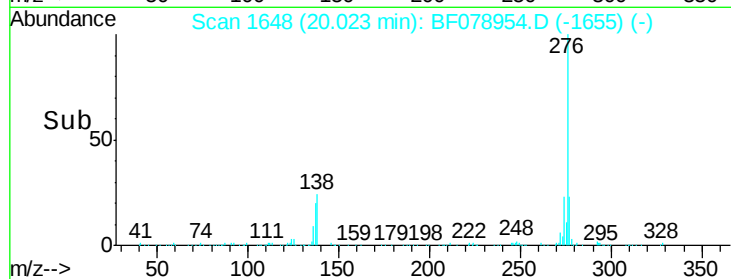
Tgt Ion: 276 Resp: 172850

Ion Ratio Lower Upper

276 100

277 23.5 18.6 28.0

138 24.1 17.4 26.0



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

