

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF111414\
 Data File : BF075606.D
 Acq On : 17 Nov 2014 3:43
 Operator : TP / JJ
 Sample : F4695-01DL 2X
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-75(5-7)DL

Quant Time: Nov 17 06:12:16 2014
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF111214.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Nov 17 05:54:27 2014
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.56	152	27512	20.00	ng	0.00
21) Naphthalene-d8	9.13	136	114778	20.00	ng	0.00
38) Acenaphthene-d10	11.32	164	62171	20.00	ng	0.00
63) Phenanthrene-d10	13.17	188	104700	20.00	ng	0.00
75) Chrysene-d12	16.46	240	112425	20.00	ng	-0.01
86) Perylene-d12	18.22	264	114339	20.00	ng	-0.02

System Monitoring Compounds

5) 2-Fluorophenol	5.85	112	83667	53.72	ng	0.00
7) Phenol-d6	7.11	99	107752	57.54	ng	0.00
23) Nitrobenzene-d5	8.24	82	60250	38.49	ng	0.00
41) 2,4,6-Tribromophenol	12.30	330	27940	53.66	ng	0.00
44) 2-Fluorobiphenyl	10.48	172	118548	34.46	ng	0.00
78) Terphenyl-d14	15.16	244	122816	29.41	ng	0.00

Target Compounds

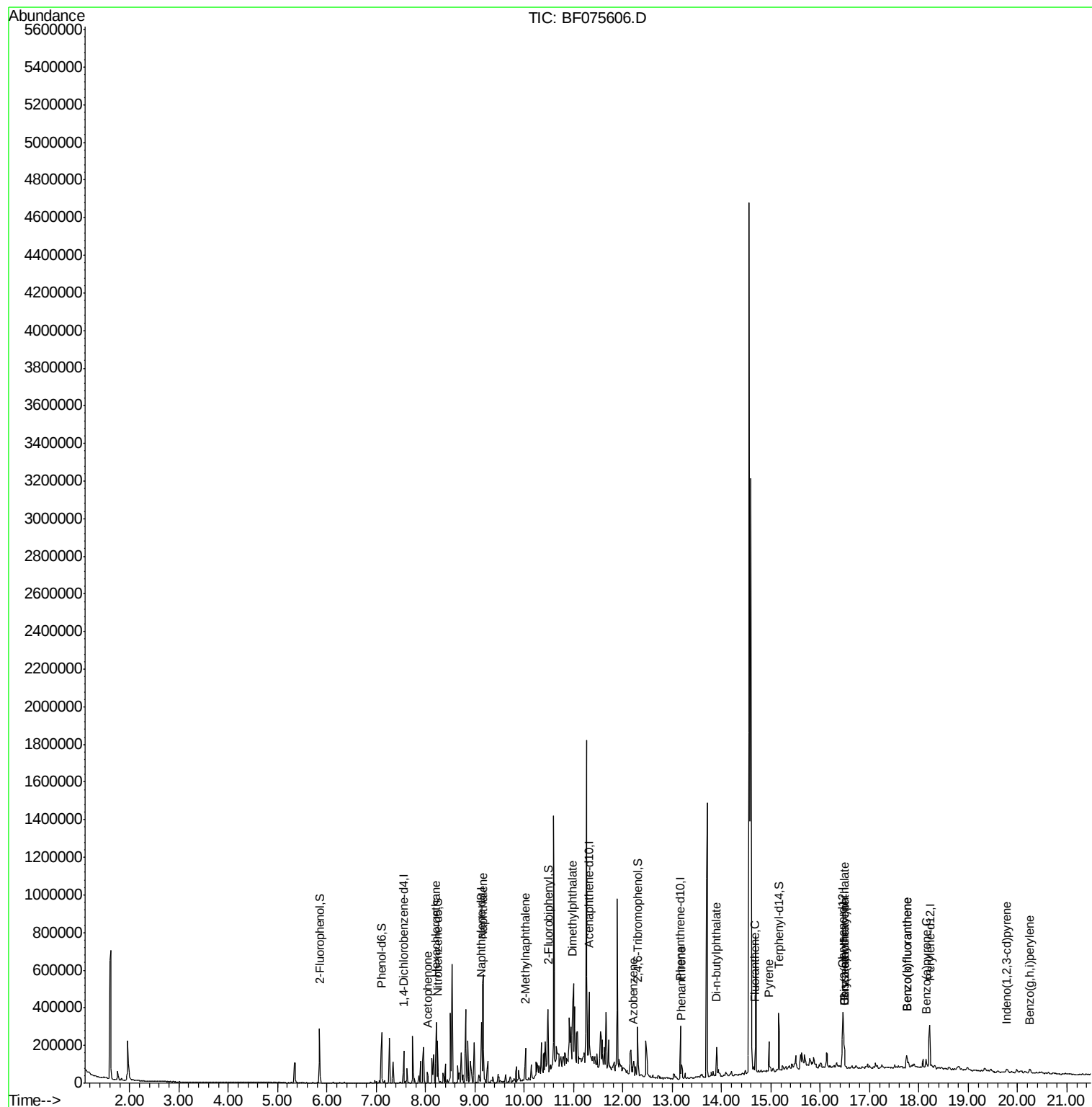
						Qvalue
18) Hexachloroethane	8.22	117	11873	17.33	ng	# 1
22) Acetophenone	8.04	105	30039	12.13	ng	# 58
31) Naphthalene	9.16	128	238482	46.60	ng	100
37) 2-Methylnaphthalene	10.02	142	54474	15.60	ng	96
49) Dimethylphthalate	10.99	163	18374	4.32	ng	99
62) Azobenzene	12.21	77	8266	2.13	ng	# 1
70) Phenanthrene	13.19	178	35565	6.45	ng	98
73) Di-n-butylphthalate	13.90	149	83236	10.81	ng	# 99
74) Fluoranthene	14.68	202	42957	7.28	ng	96
77) Pyrene	14.96	202	61435	9.40	ng	98
80) Benzo(a)anthracene	16.49	228	19268	3.26	ng	93
82) Chrysene	16.49	228	29099	5.70	ng	97
83) Bis(2-ethylhexyl)phthalate	16.48	149	29262	5.06	ng	# 99
85) Indeno(1,2,3-cd)pyrene	19.77	276	16436	2.65	ng	# 100
87) Benzo(b)fluoranthene	17.75	252	43912	7.18	ng	97
88) Benzo(k)fluoranthene	17.75	252	44235	8.06	ng	97
89) Benzo(a)pyrene	18.15	252	22935	4.19	ng	96
91) Benzo(g,h,i)perylene	20.24	276	15554	2.86	ng	94

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

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.56 min Scan# 566

Delta R.T. 0.00 min

Lab File: BF075606.D

Acq: 17 Nov 2014 3:43

Instrument :

BNA_F

ClientSampleId :

SB-75(5-7)DL

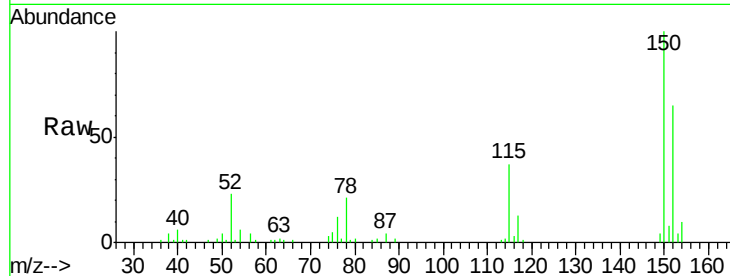
Tgt Ion:152 Resp: 27512

Ion Ratio Lower Upper

152 100

150 154.5 127.2 190.8

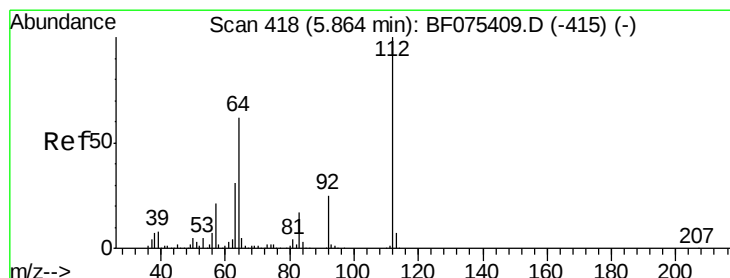
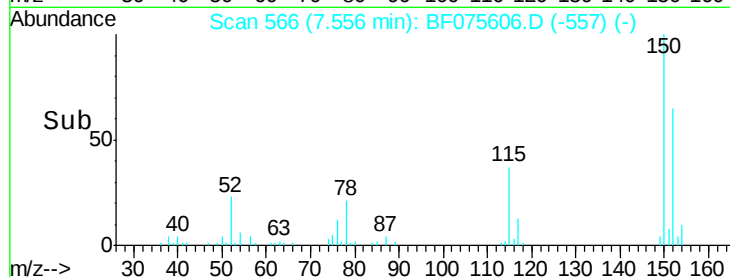
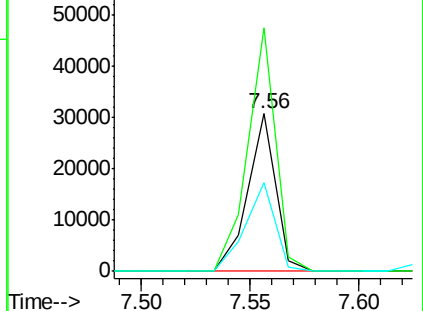
115 56.6 57.1 85.7#



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: 53.72 ng

RT: 5.85 min Scan# 417

Delta R.T. 0.00 min

Lab File: BF075606.D

Acq: 17 Nov 2014 3:43

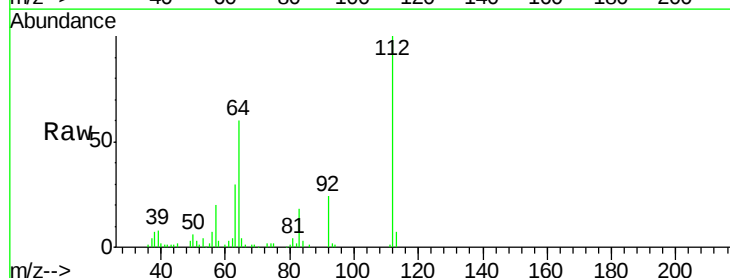
Tgt Ion:112 Resp: 83667

Ion Ratio Lower Upper

112 100

64 60.0 45.8 68.6

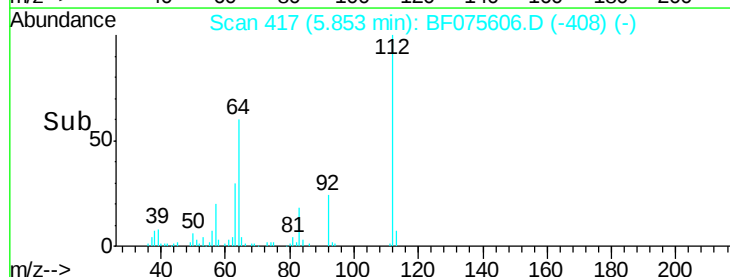
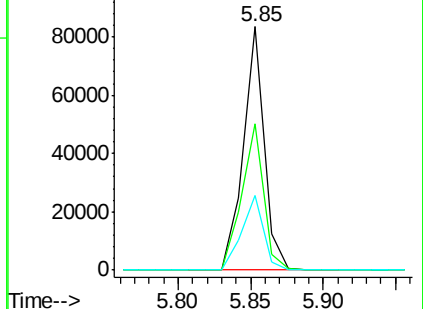
63 30.4 22.7 34.1



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: 57.54 ng

RT: 7.11 min Scan# 527

Delta R.T. 0.00 min

Lab File: BF075606.D

Acq: 17 Nov 2014 3:43

Instrument :

BNA_F

ClientSampleId :

SB-75(5-7)DL

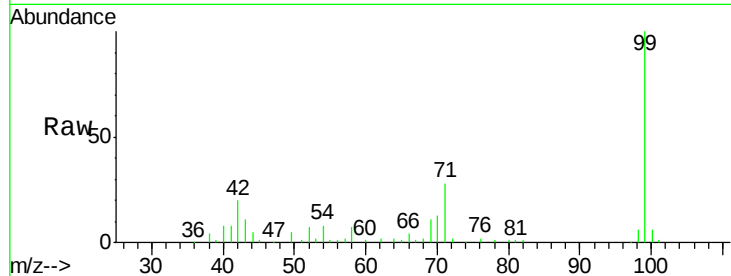
Tgt Ion: 99 Resp: 107752

Ion Ratio Lower Upper

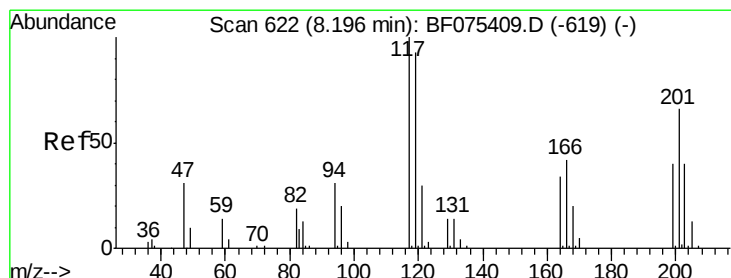
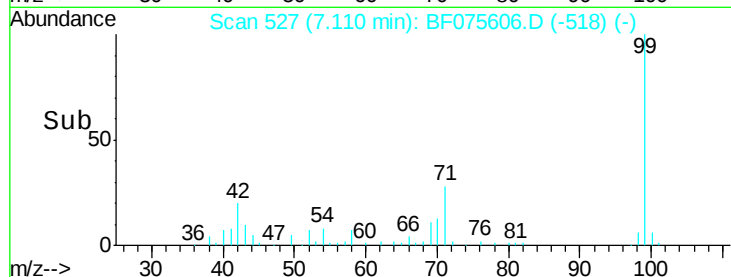
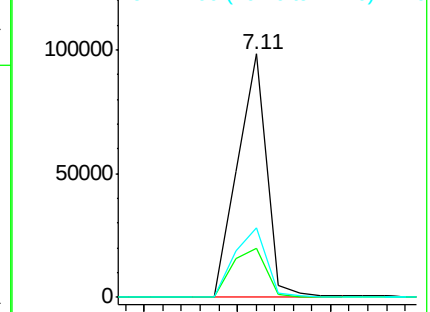
99 100

42 20.1 19.8 29.6

71 28.4 25.5 38.3



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



#18

Hexachloroethane

Concen: 17.33 ng

RT: 8.22 min Scan# 624

Delta R.T. 0.03 min

Lab File: BF075606.D

Acq: 17 Nov 2014 3:43

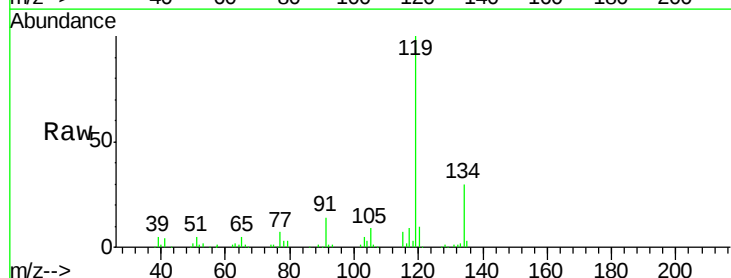
Tgt Ion: 117 Resp: 11873

Ion Ratio Lower Upper

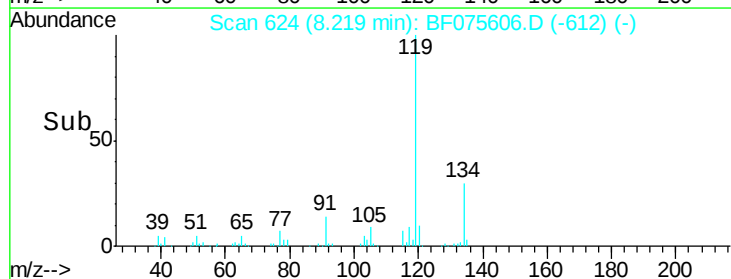
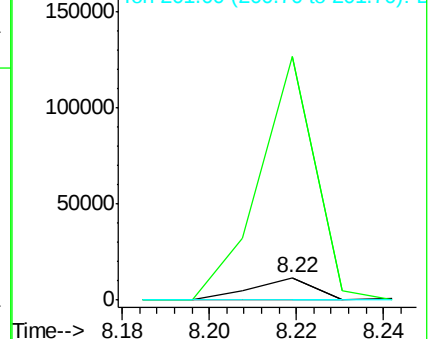
117 100

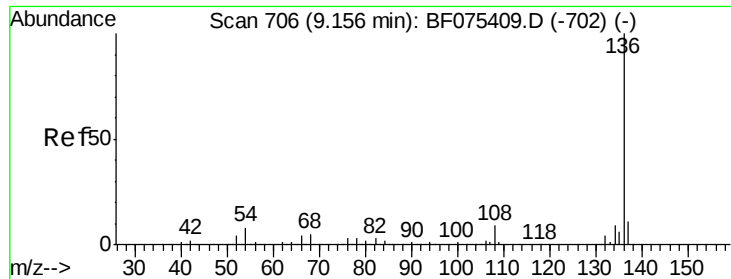
119 1084.9 72.9 109.3#

201 0.0 48.2 72.4#



Abundance Ion 117.00 (116.70 to 117.70): E
Ion 119.00 (118.70 to 119.70): E
Ion 201.00 (200.70 to 201.70): E





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 9.13 min Scan# 704

Delta R.T. 0.00 min

Lab File: BF075606.D

Acq: 17 Nov 2014 3:43

Instrument :

BNA_F

ClientSampleId :

SB-75(5-7)DL

Tgt Ion:136 Resp: 114778

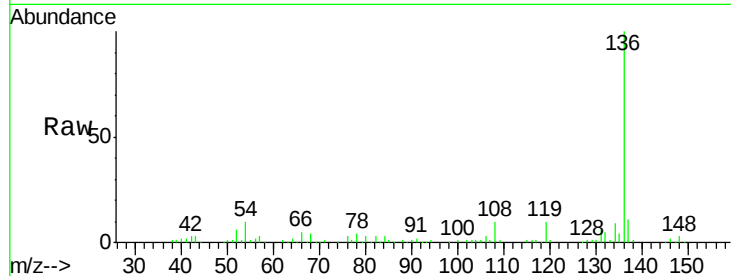
Ion Ratio Lower Upper

136 100

137 11.1 8.2 12.4

54 10.1 6.2 9.4#

68 4.5 3.4 5.2

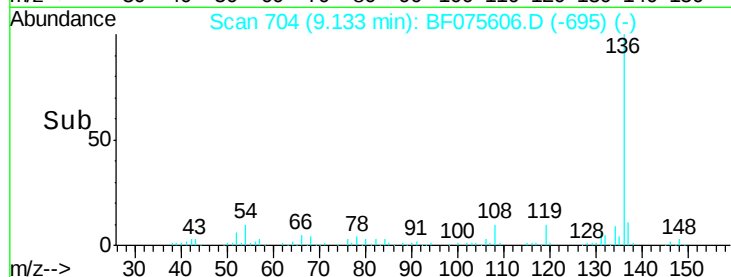


Abundance Ion 136.00 (135.70 to 136.70): E

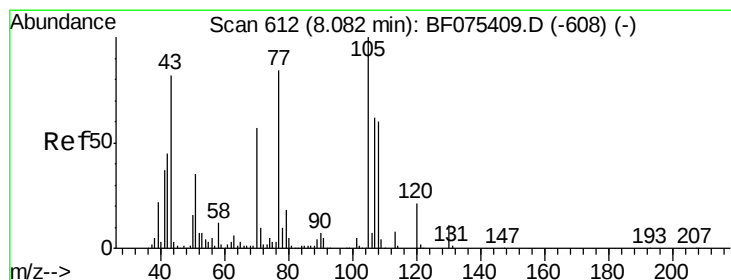
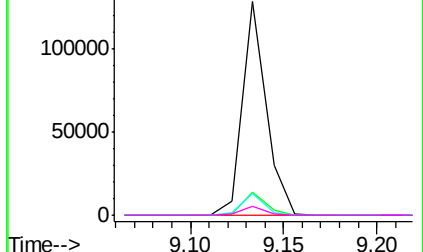
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



Time-->



#22

Acetophenone

Concen: 12.13 ng

RT: 8.04 min Scan# 608

Delta R.T. -0.02 min

Lab File: BF075606.D

Acq: 17 Nov 2014 3:43

Tgt Ion:105 Resp: 30039

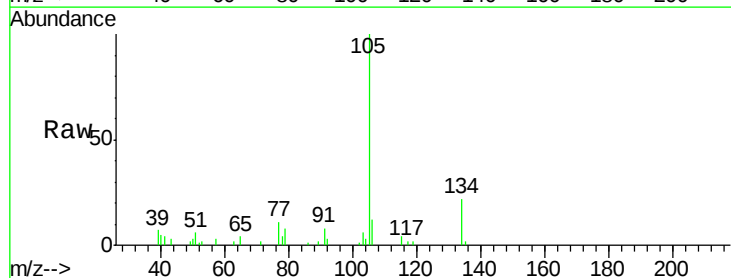
Ion Ratio Lower Upper

105 100

71 1.6 10.5 15.7#

51 6.0 24.2 36.2#

120 0.0 17.5 26.3#

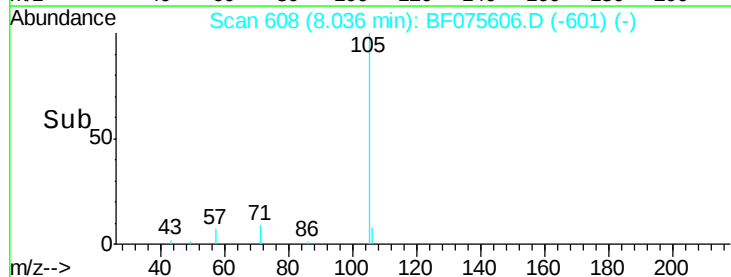


Abundance Ion 105.00 (104.70 to 105.70): E

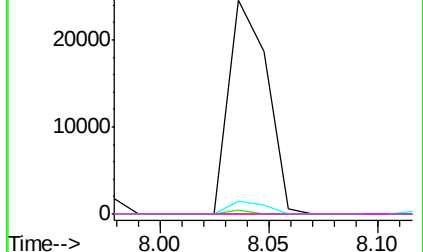
Ion 71.00 (70.70 to 71.70): BF0

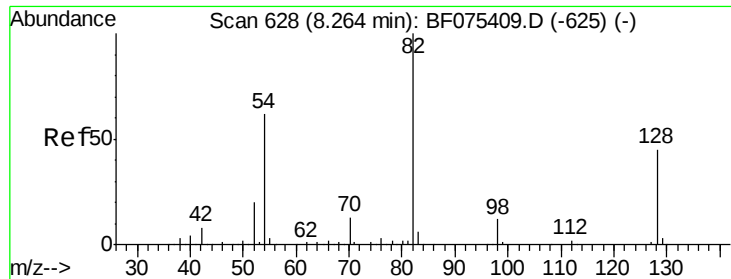
Ion 51.00 (50.70 to 51.70): BF0

Ion 120.00 (119.70 to 120.70): E



Time-->

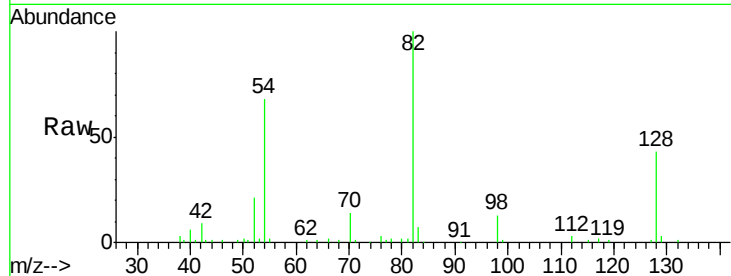




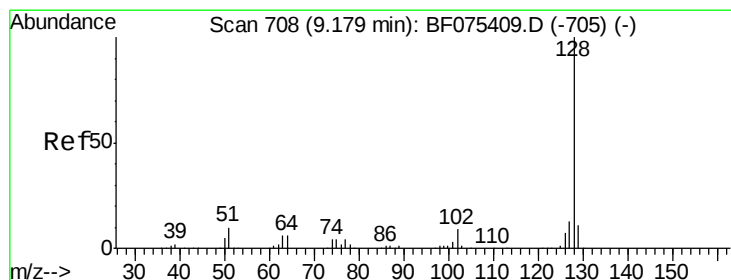
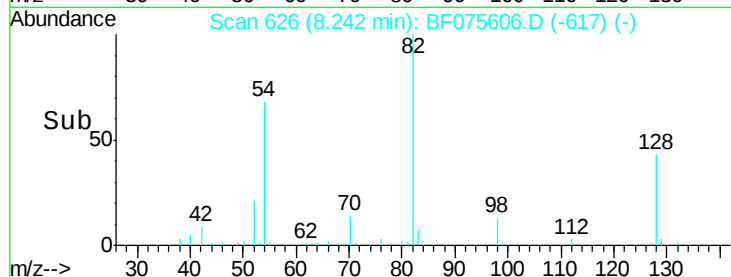
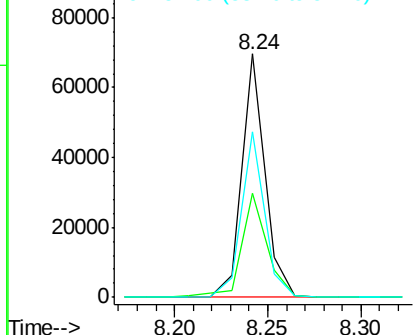
#23
 Nitrobenzene-d5
 Concen: 38.49 ng
 RT: 8.24 min Scan# 626
 Delta R.T. 0.00 min
 Lab File: BF075606.D
 Acq: 17 Nov 2014 3:43

Instrument :
 BNA_F
 ClientSampleId :
 SB-75(5-7)DL

Tgt Ion: 82 Resp: 60250
 Ion Ratio Lower Upper
 82 100
 128 42.9 37.8 56.6
 54 68.0 49.8 74.8

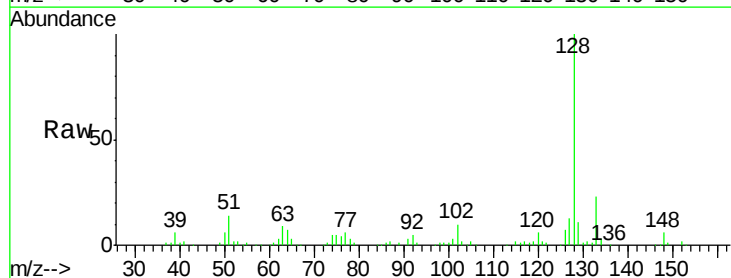


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

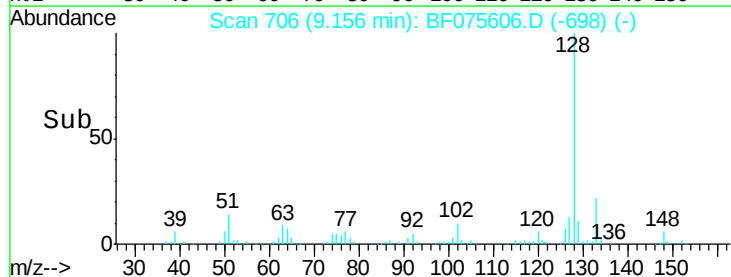
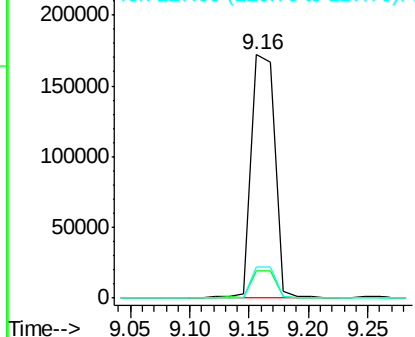


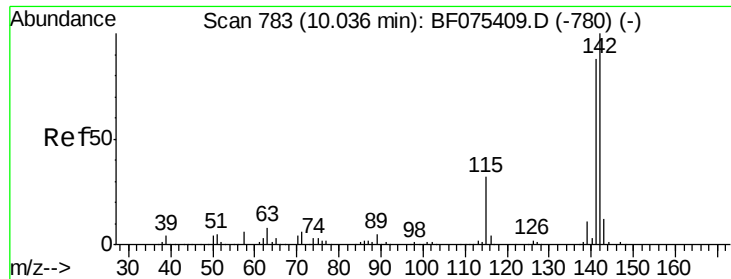
#31
 Naphthalene
 Concen: 46.60 ng
 RT: 9.16 min Scan# 706
 Delta R.T. -0.01 min
 Lab File: BF075606.D
 Acq: 17 Nov 2014 3:43

Tgt Ion: 128 Resp: 238482
 Ion Ratio Lower Upper
 128 100
 129 11.0 9.0 13.4
 127 12.7 10.2 15.4



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

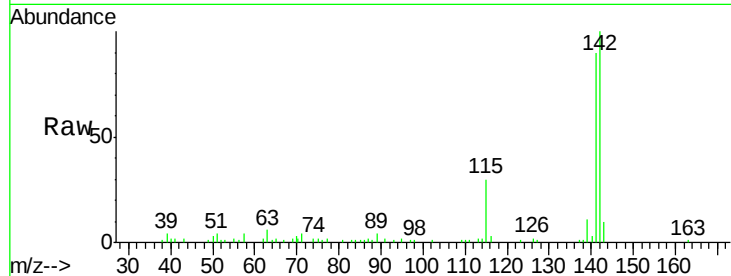




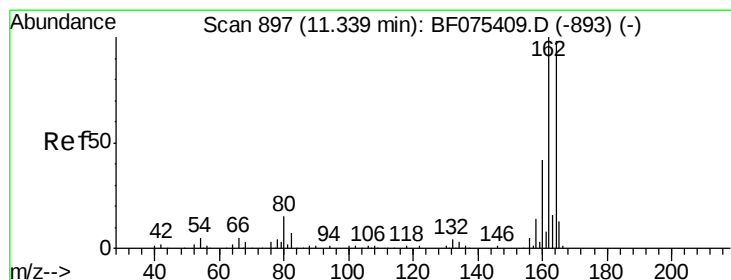
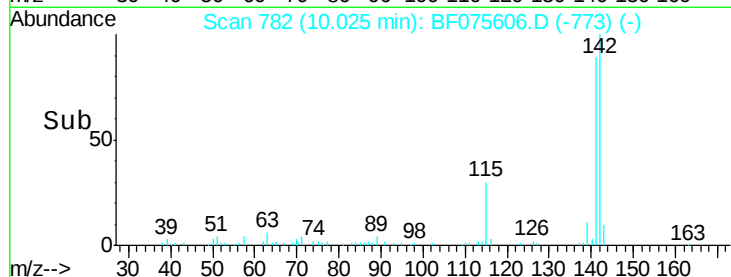
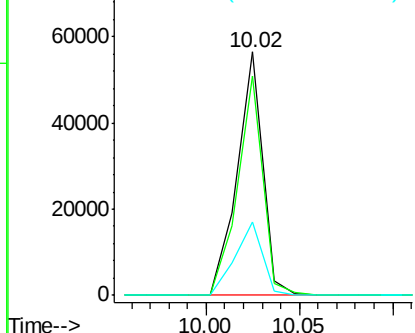
#37
2-Methylnaphthalene
Concen: 15.60 ng
RT: 10.02 min Scan# 782
Delta R.T. 0.00 min
Lab File: BF075606.D
Acq: 17 Nov 2014 3:43

Instrument :
BNA_F
ClientSampleId :
SB-75(5-7)DL

Tgt Ion:142 Resp: 54474
Ion Ratio Lower Upper
142 100
141 90.2 69.9 104.9
115 30.1 27.6 41.4

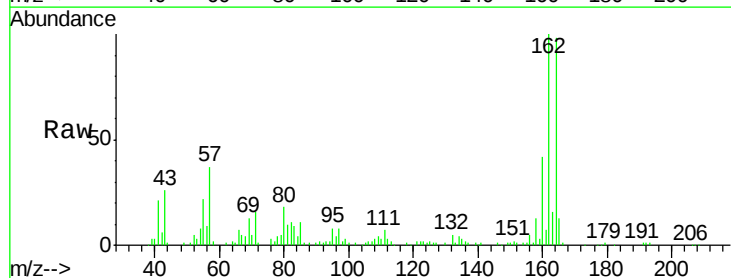


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

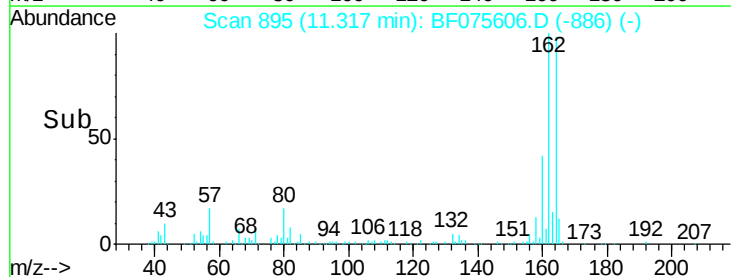
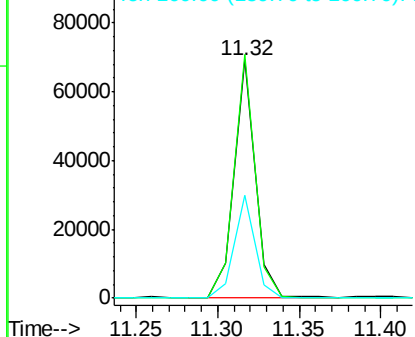


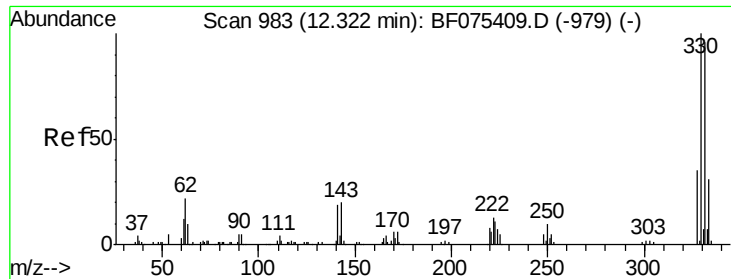
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 11.32 min Scan# 895
Delta R.T. 0.00 min
Lab File: BF075606.D
Acq: 17 Nov 2014 3:43

Tgt Ion:164 Resp: 62171
Ion Ratio Lower Upper
164 100
162 102.2 79.1 118.7
160 43.3 34.6 51.8



Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

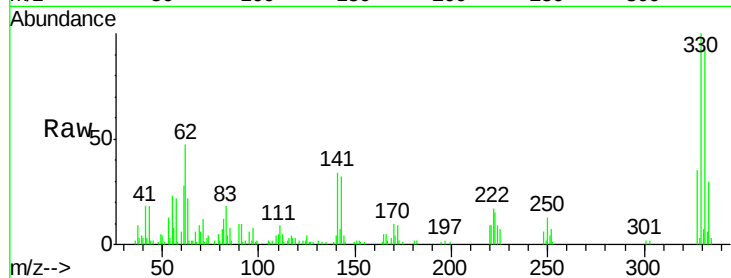




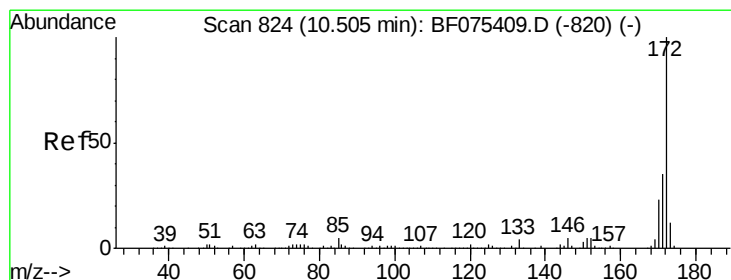
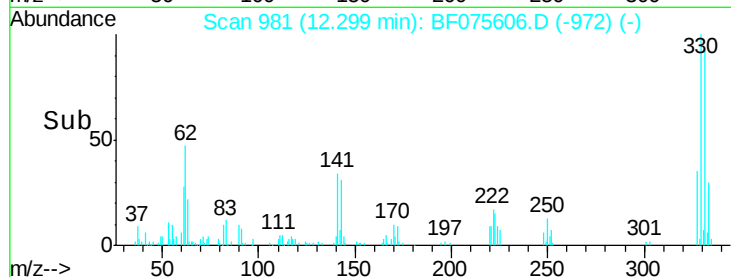
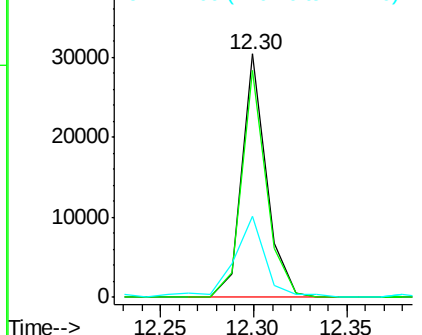
#41
 2,4,6-Tribromophenol
 Concen: 53.66 ng
 RT: 12.30 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: BF075606.D
 Acq: 17 Nov 2014 3:43

Instrument :
 BNA_F
 ClientSampleId :
 SB-75(5-7)DL

Tgt Ion:330 Resp: 27940
 Ion Ratio Lower Upper
 330 100
 332 93.2 74.5 111.7
 141 44.6 30.7 46.1

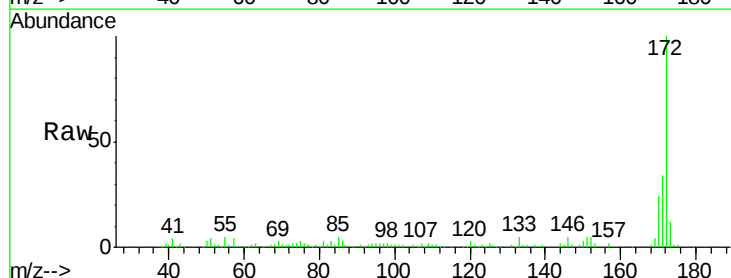


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

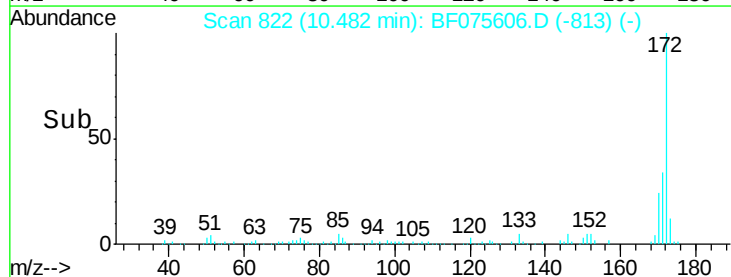
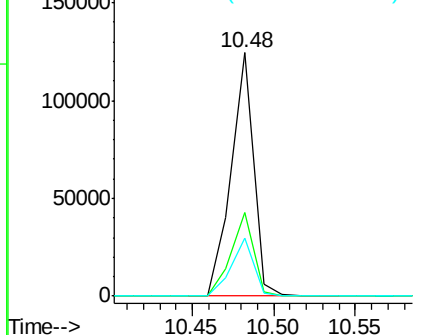


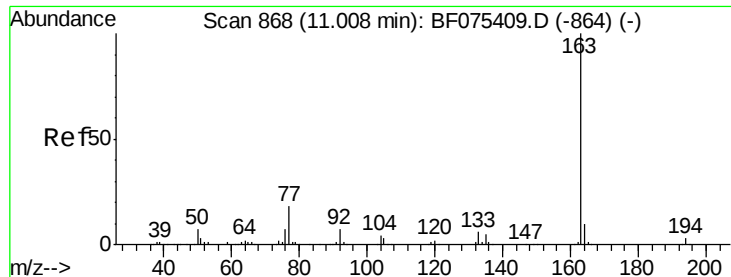
#44
 2-Fluorobiphenyl
 Concen: 34.46 ng
 RT: 10.48 min Scan# 822
 Delta R.T. 0.00 min
 Lab File: BF075606.D
 Acq: 17 Nov 2014 3:43

Tgt Ion:172 Resp: 118548
 Ion Ratio Lower Upper
 172 100
 171 34.5 27.3 40.9
 170 23.7 18.4 27.6



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E





#49

Dimethylphthalate

Concen: 4.32 ng

RT: 10.99 min Scan# 866

Delta R.T. 0.00 min

Lab File: BF075606.D

Acq: 17 Nov 2014 3:43

Instrument :

BNA_F

ClientSampleId :

SB-75(5-7)DL

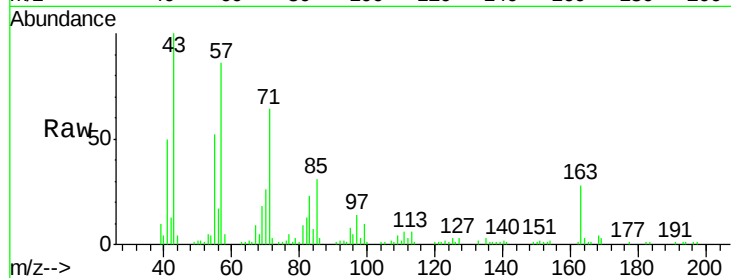
Tgt Ion:163 Resp: 18374

Ion Ratio Lower Upper

163 100

194 4.1 2.7 4.1

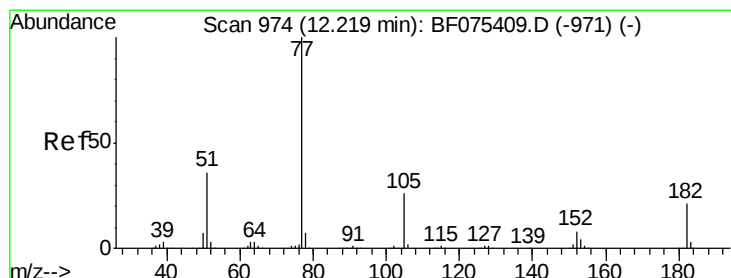
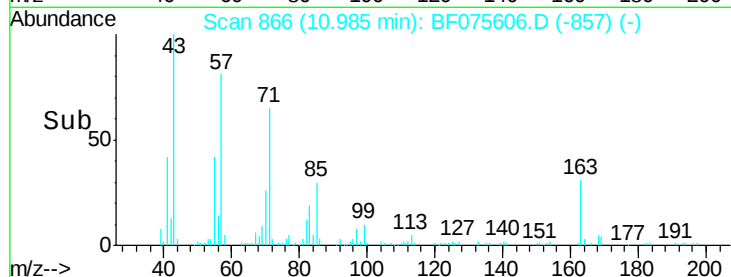
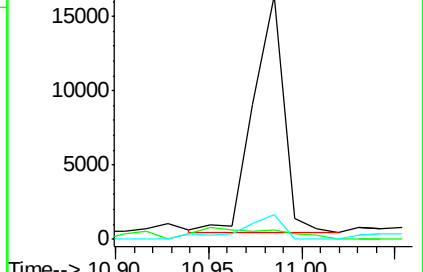
164 9.9 8.0 12.0



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#62

Azobenzene

Concen: 2.13 ng

RT: 12.21 min Scan# 973

Delta R.T. 0.01 min

Lab File: BF075606.D

Acq: 17 Nov 2014 3:43

Tgt Ion: 77 Resp: 8266

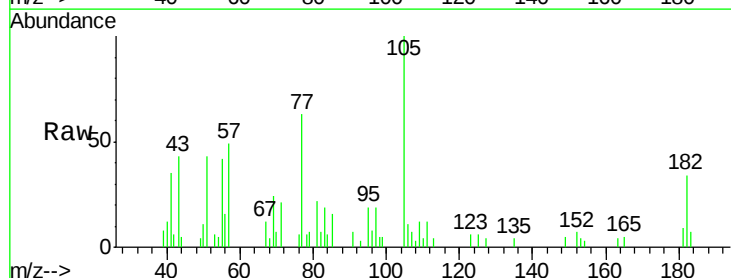
Ion Ratio Lower Upper

77 100

182 54.1 0.0 37.1#

105 157.5 3.7 43.7#

51 66.9 18.7 58.7#

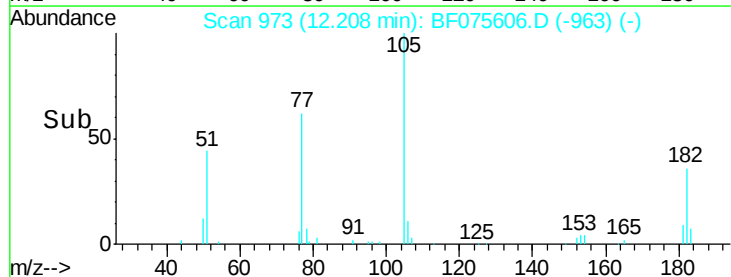
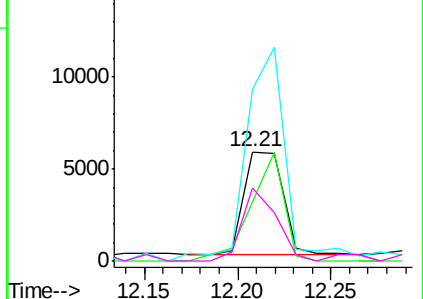


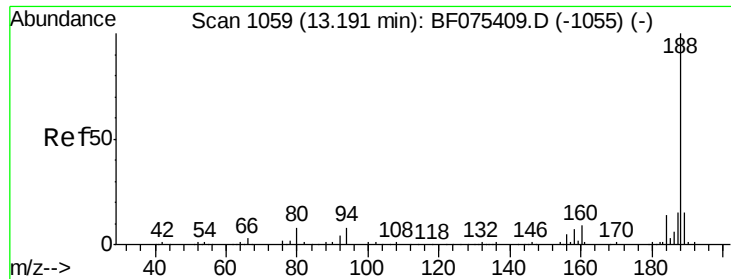
Abundance Ion 77.00 (76.70 to 77.70): BF0

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

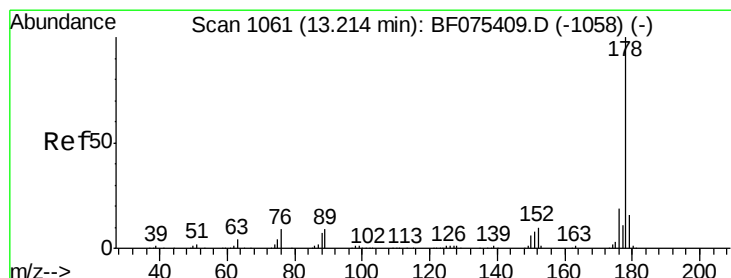
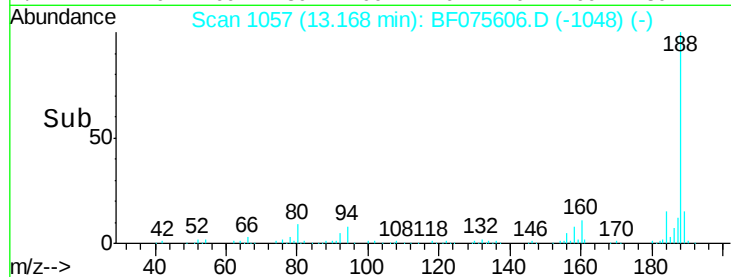
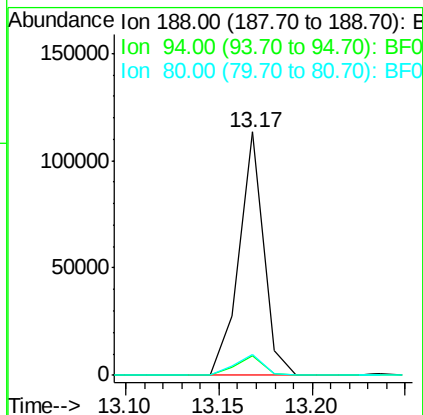
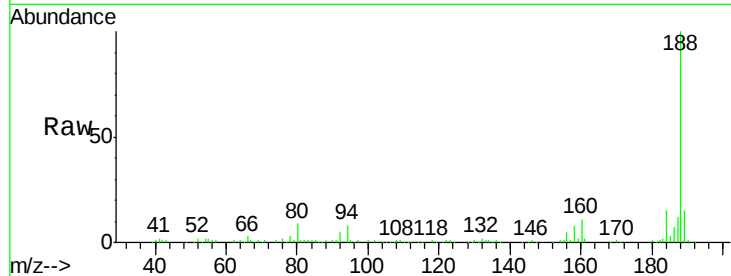




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 13.17 min Scan# 1057
Delta R.T. 0.00 min
Lab File: BF075606.D
Acq: 17 Nov 2014 3:43

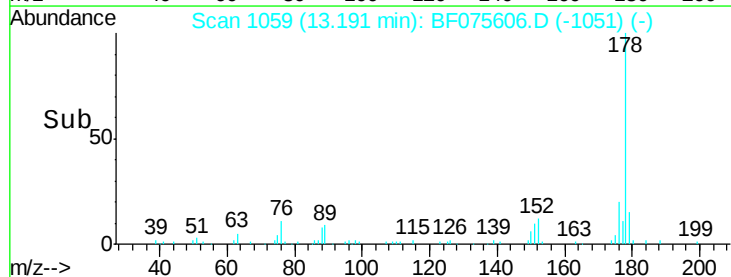
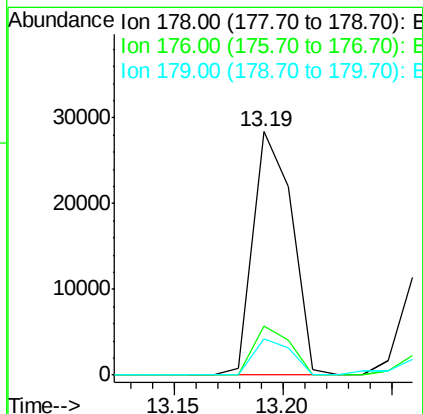
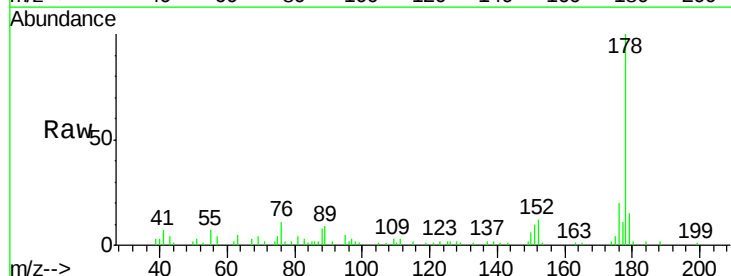
Instrument :
BNA_F
ClientSampleId :
SB-75(5-7)DL

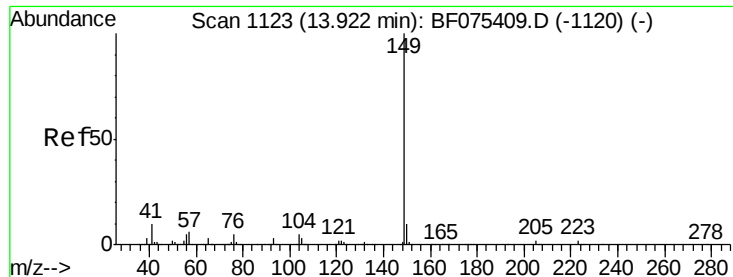
Tgt Ion:188 Resp: 104700
Ion Ratio Lower Upper
188 100
94 7.8 7.8 11.6
80 8.8 8.0 12.0



#70
Phenanthrene
Concen: 6.45 ng
RT: 13.19 min Scan# 1059
Delta R.T. -0.01 min
Lab File: BF075606.D
Acq: 17 Nov 2014 3:43

Tgt Ion:178 Resp: 35565
Ion Ratio Lower Upper
178 100
176 20.0 15.3 22.9
179 14.9 12.2 18.4





#73

Di-n-butylphthalate

Concen: 10.81 ng

RT: 13.90 min Scan# 1121

Delta R.T. 0.00 min

Lab File: BF075606.D

Acq: 17 Nov 2014 3:43

Instrument :

BNA_F

ClientSampleId :

SB-75(5-7)DL

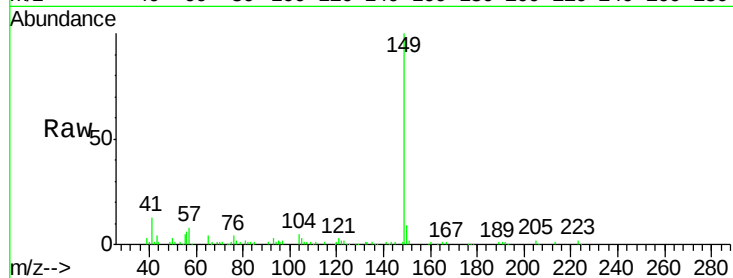
Tgt Ion:149 Resp: 83236

Ion Ratio Lower Upper

149 100

150 9.4 7.3 10.9

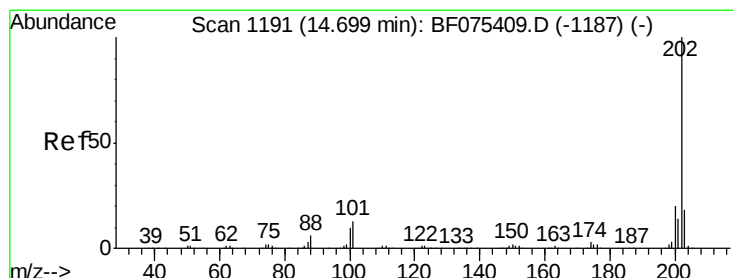
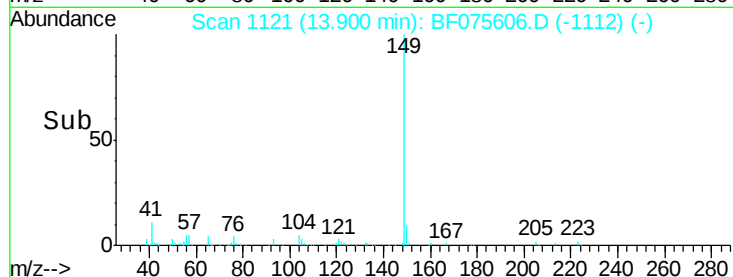
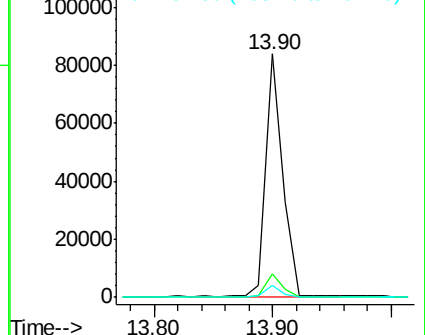
104 4.7 3.1 4.7#



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: 7.28 ng

RT: 14.68 min Scan# 1189

Delta R.T. 0.00 min

Lab File: BF075606.D

Acq: 17 Nov 2014 3:43

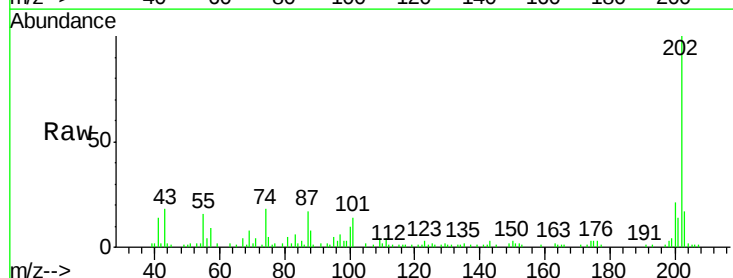
Tgt Ion:202 Resp: 42957

Ion Ratio Lower Upper

202 100

101 14.4 0.0 36.6

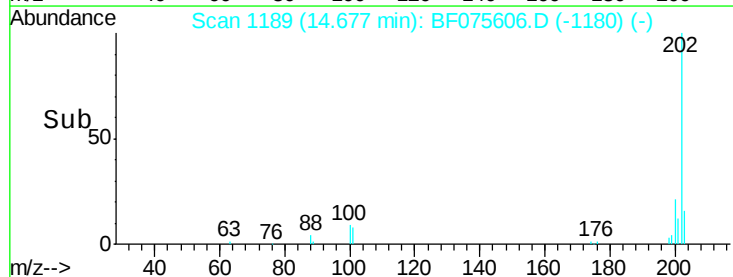
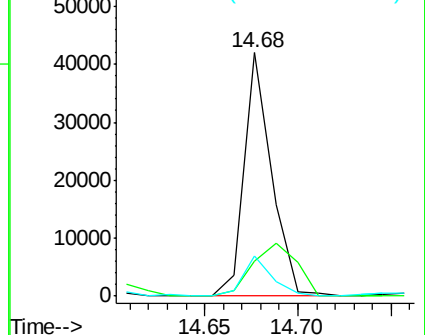
203 16.7 0.0 38.2

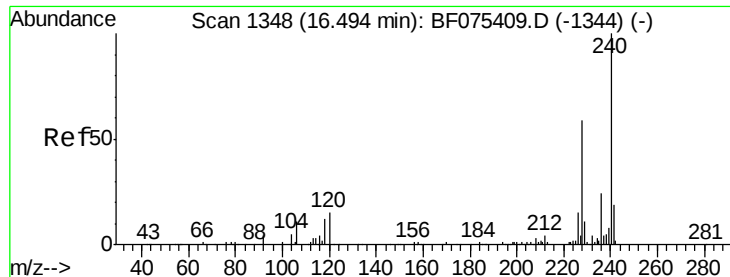


Abundance Ion 202.00 (201.70 to 202.70): E

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: 16.46 min Scan# 1345

Delta R.T. -0.01 min

Lab File: BF075606.D

Acq: 17 Nov 2014 3:43

Instrument :

BNA_F

ClientSampleId :

SB-75(5-7)DL

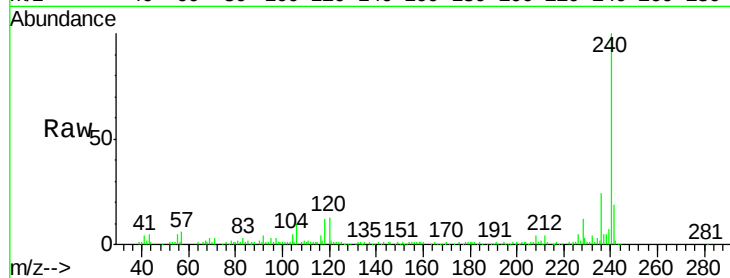
Tgt Ion:240 Resp: 112425

Ion Ratio Lower Upper

240 100

120 12.9 9.6 14.4

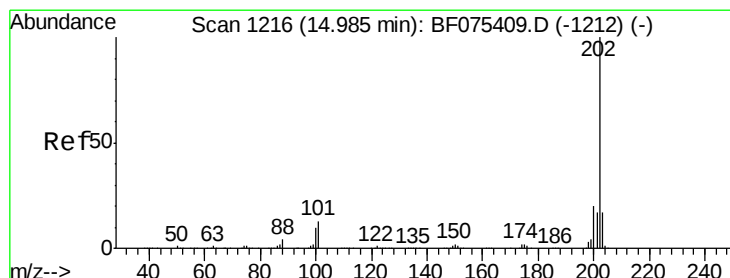
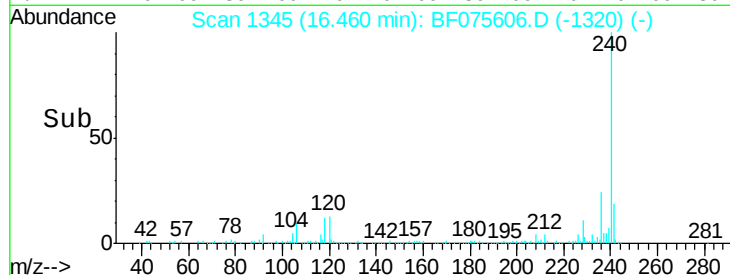
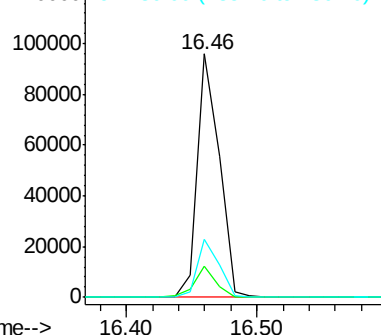
236 23.7 18.9 28.3



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 9.40 ng

RT: 14.96 min Scan# 1214

Delta R.T. 0.00 min

Lab File: BF075606.D

Acq: 17 Nov 2014 3:43

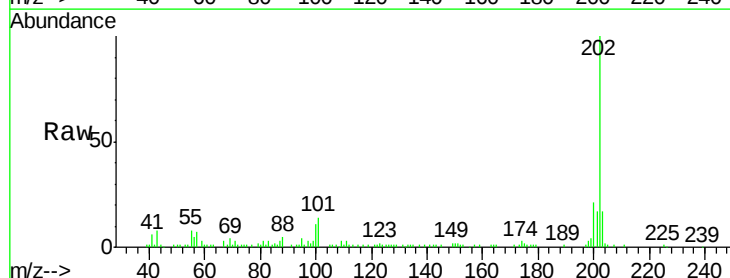
Tgt Ion:202 Resp: 61435

Ion Ratio Lower Upper

202 100

200 20.8 16.8 25.2

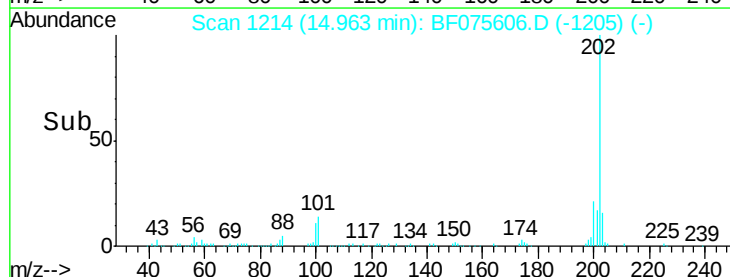
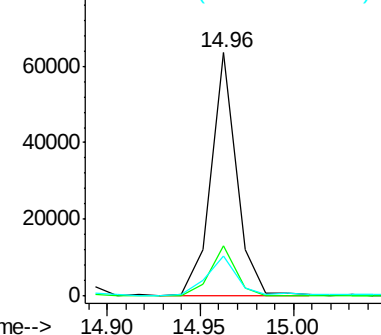
203 16.6 14.3 21.5

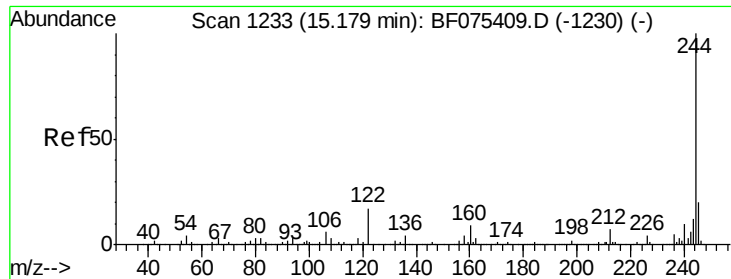


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

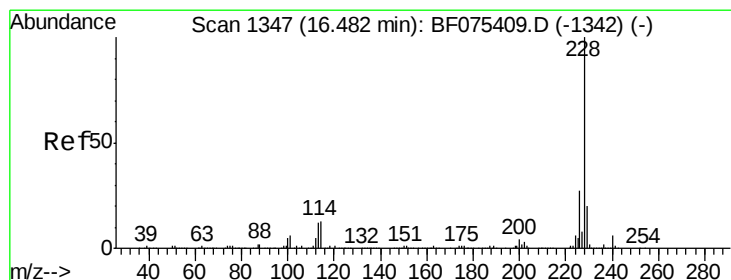
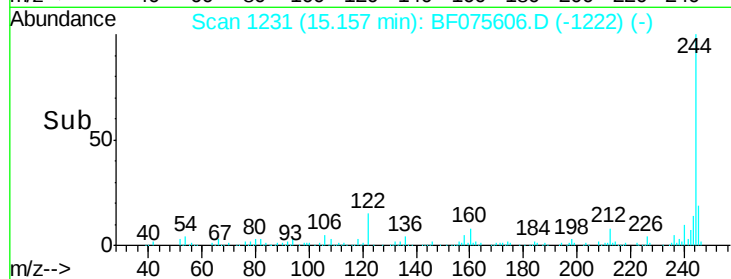
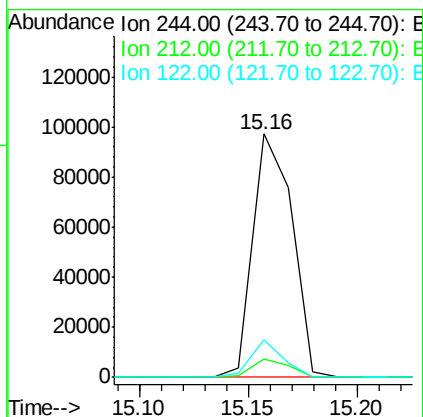
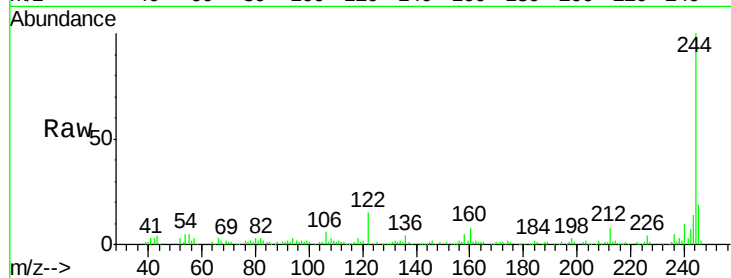




#78
 Terphenyl-d14
 Concen: 29.41 ng
 RT: 15.16 min Scan# 1231
 Delta R.T. 0.00 min
 Lab File: BF075606.D
 Acq: 17 Nov 2014 3:43

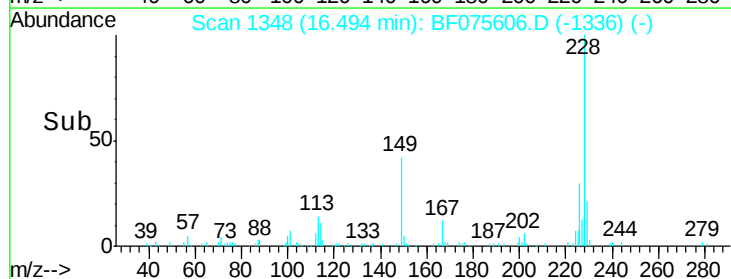
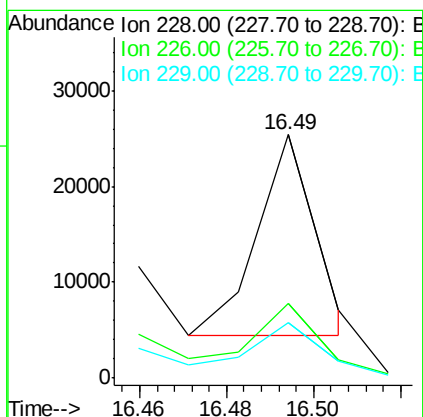
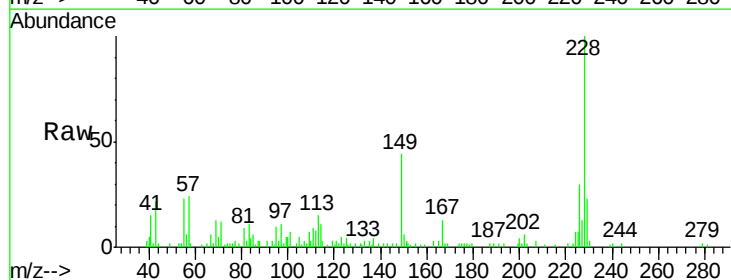
Instrument :
 BNA_F
 ClientSampleId :
 SB-75(5-7)DL

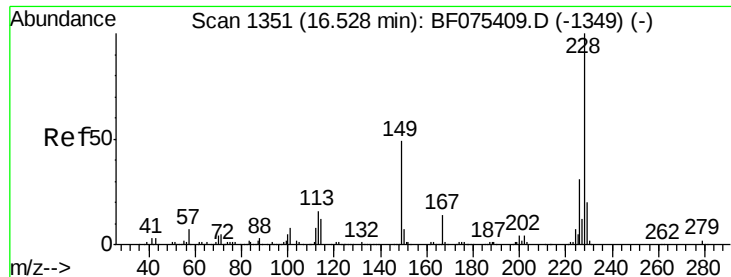
Tgt Ion:244 Resp: 122816
 Ion Ratio Lower Upper
 244 100
 212 7.6 5.5 8.3
 122 15.2 9.7 14.5#



#80
 Benzo(a)anthracene
 Concen: 3.26 ng
 RT: 16.49 min Scan# 1348
 Delta R.T. 0.03 min
 Lab File: BF075606.D
 Acq: 17 Nov 2014 3:43

Tgt Ion:228 Resp: 19268
 Ion Ratio Lower Upper
 228 100
 226 30.5 21.8 32.8
 229 22.6 15.3 22.9





#82

Chrysene

Concen: 5.70 ng

RT: 16.49 min Scan# 1348

Delta R.T. -0.01 min

Lab File: BF075606.D

Acq: 17 Nov 2014 3:43

Instrument :

BNA_F

ClientSampleId :

SB-75(5-7)DL

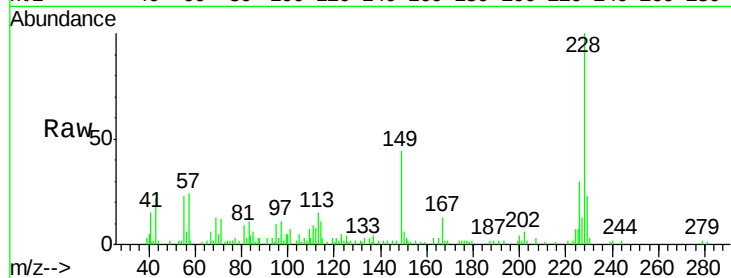
Tgt Ion:228 Resp: 29099

Ion Ratio Lower Upper

228 100

226 30.5 23.8 35.6

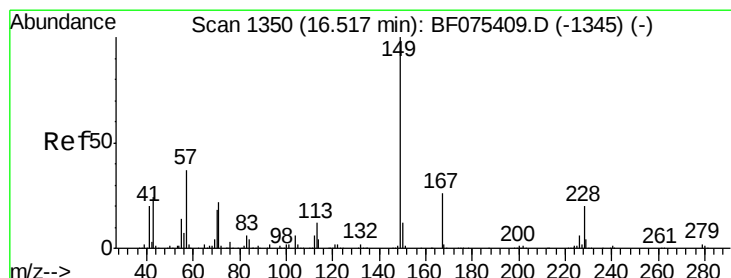
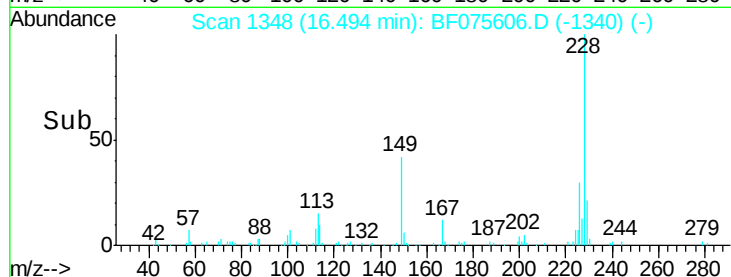
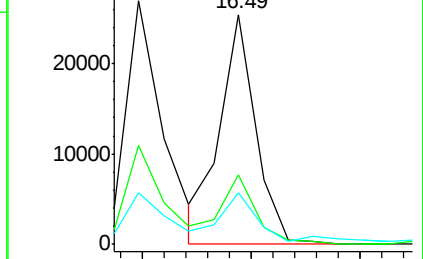
229 22.6 15.8 23.6



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: 5.06 ng

RT: 16.48 min Scan# 1347

Delta R.T. -0.01 min

Lab File: BF075606.D

Acq: 17 Nov 2014 3:43

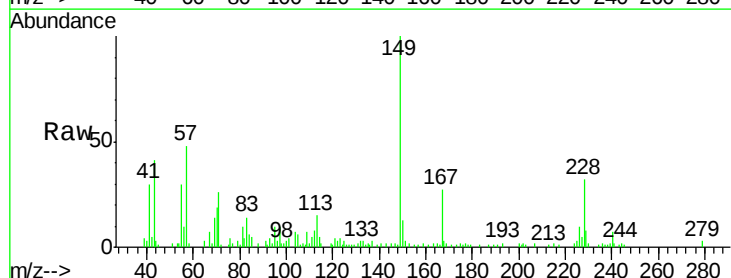
Tgt Ion:149 Resp: 29262

Ion Ratio Lower Upper

149 100

167 26.6 21.4 32.2

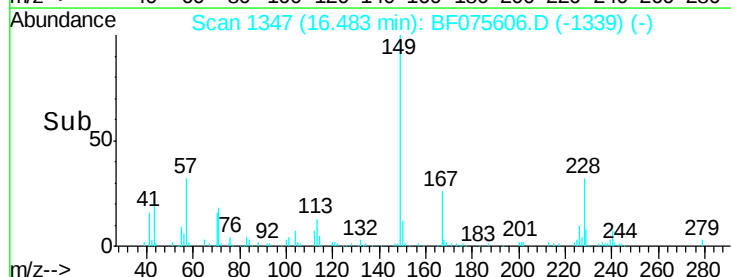
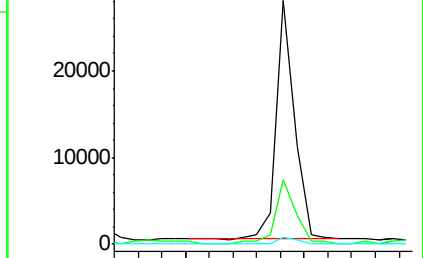
279 2.6 2.8 4.2#

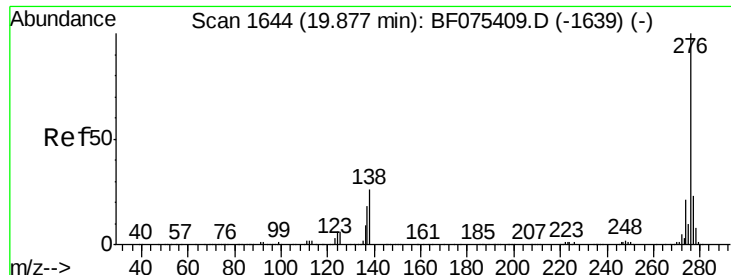


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

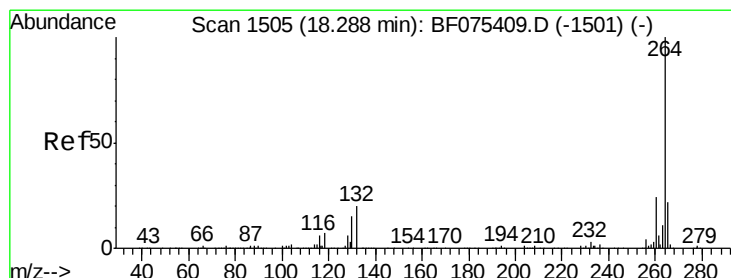
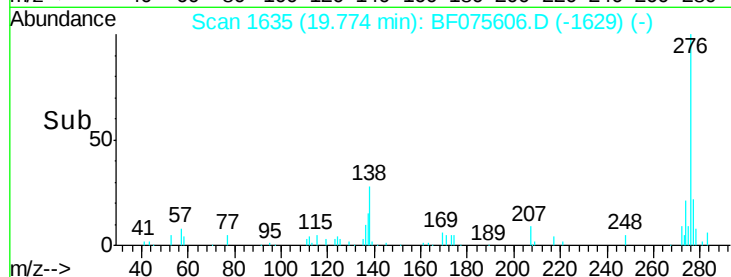
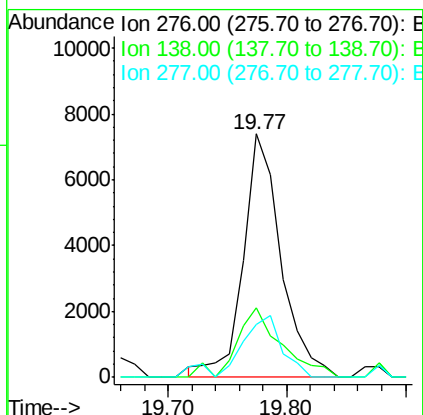
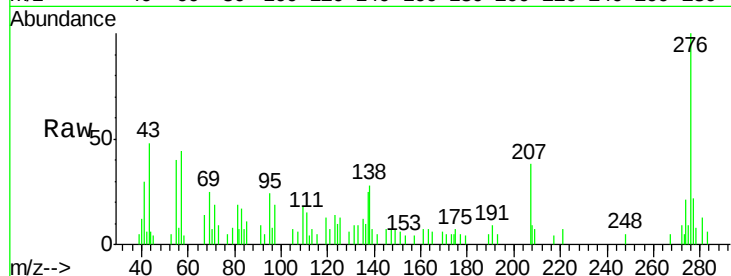




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 2.65 ng
 RT: 19.77 min Scan# 1635
 Delta R.T. -0.03 min
 Lab File: BF075606.D
 Acq: 17 Nov 2014 3:43

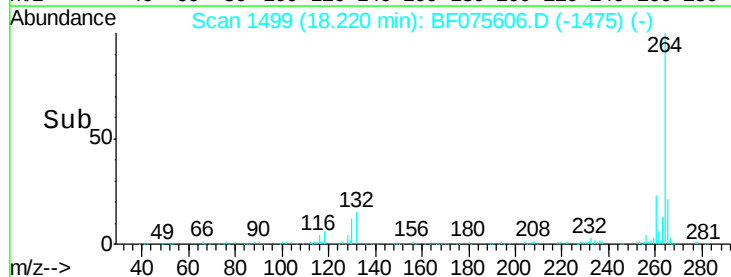
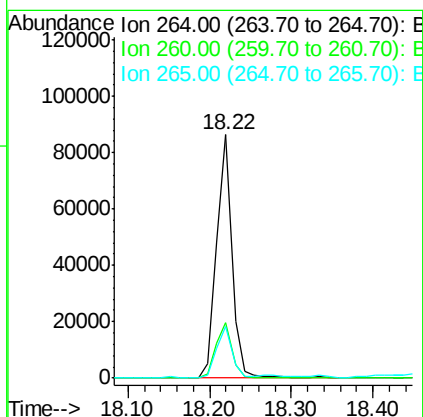
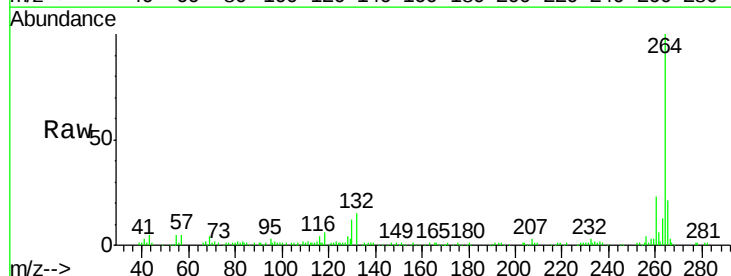
Instrument :
 BNA_F
 ClientSampleId :
 SB-75(5-7)DL

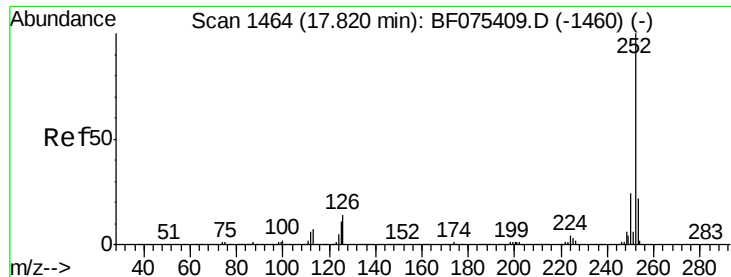
Tgt Ion	Ratio	Lower	Upper
276	100		
138	33.8	0.0	0.0#
277	25.3	0.0	0.0#



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 18.22 min Scan# 1499
 Delta R.T. -0.02 min
 Lab File: BF075606.D
 Acq: 17 Nov 2014 3:43

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.0	17.9	26.9
265	21.2	16.3	24.5

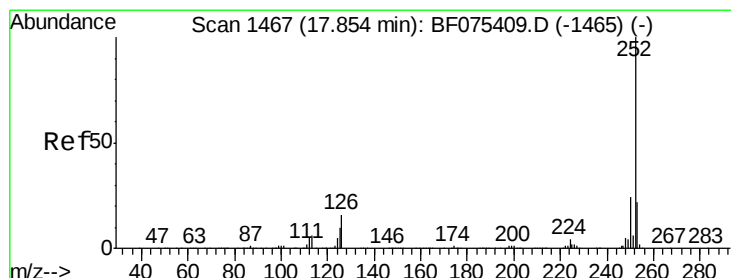
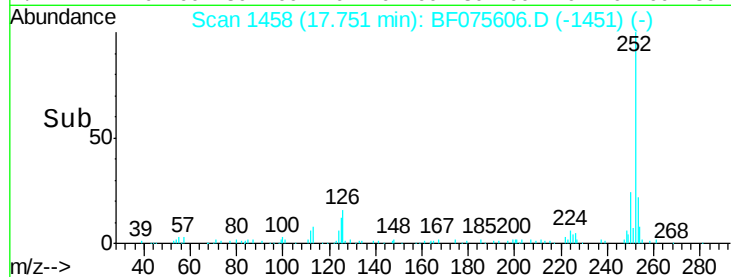
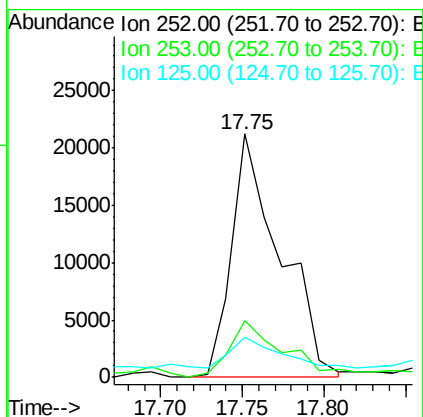
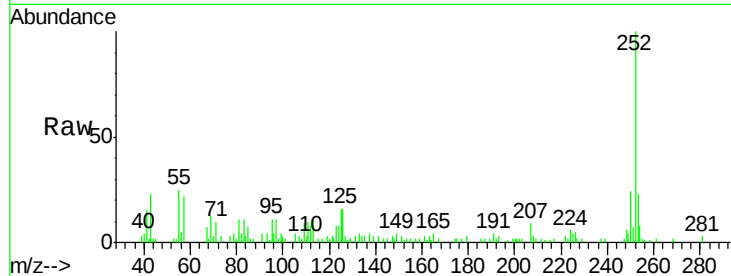




#87
Benzo(b)fluoranthene
Concen: 7.18 ng
RT: 17.75 min Scan# 1458
Delta R.T. -0.02 min
Lab File: BF075606.D
Acq: 17 Nov 2014 3:43

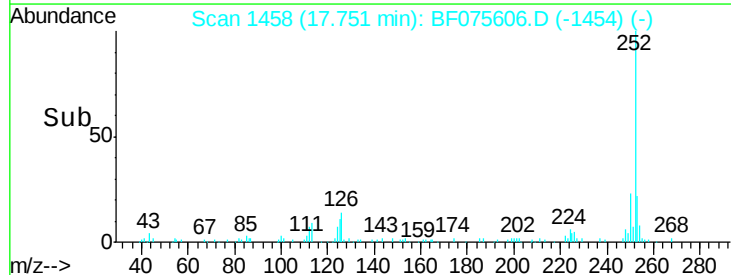
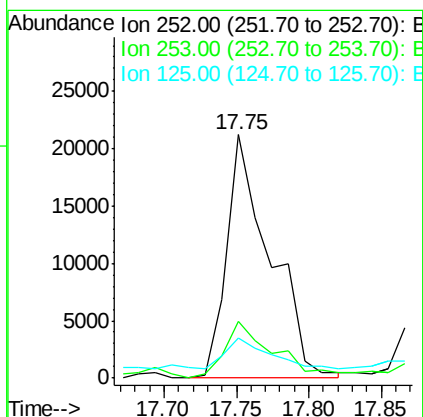
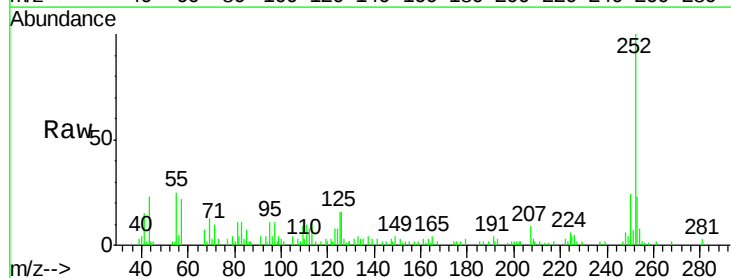
Instrument :
BNA_F
ClientSampleId :
SB-75(5-7)DL

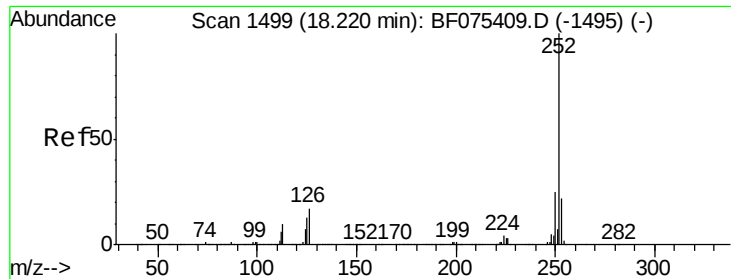
Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.7	26.5
125	16.4	11.8	17.6



#88
Benzo(k)fluoranthene
Concen: 8.06 ng
RT: 17.75 min Scan# 1458
Delta R.T. -0.06 min
Lab File: BF075606.D
Acq: 17 Nov 2014 3:43

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	18.1	27.1
125	16.4	11.6	17.4





#89

Benzo(a)pyrene

Concen: 4.19 ng

RT: 18.15 min Scan# 1493

Delta R.T. -0.02 min

Lab File: BF075606.D

Acq: 17 Nov 2014 3:43

Instrument :

BNA_F

ClientSampleId :

SB-75(5-7)DL

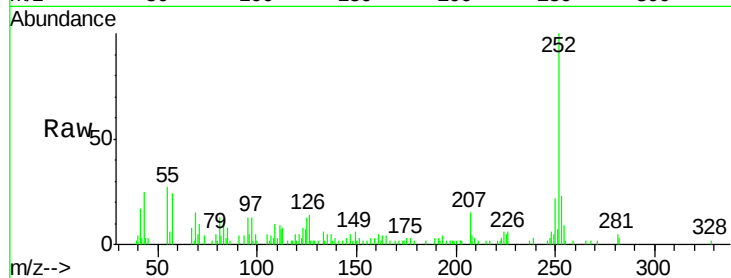
Tgt Ion: 252 Resp: 22935

Ion Ratio Lower Upper

252 100

253 22.7 17.1 25.7

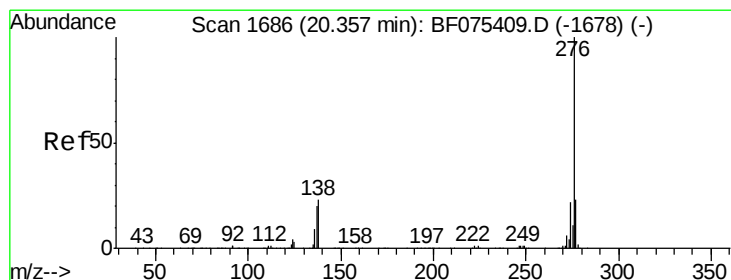
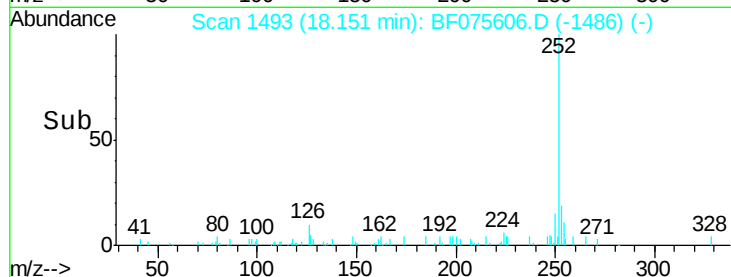
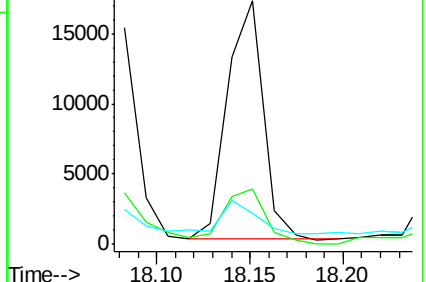
125 12.8 12.2 18.4



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



#91

Benzo(g,h,i)perylene

Concen: 2.86 ng

RT: 20.24 min Scan# 1676

Delta R.T. -0.05 min

Lab File: BF075606.D

Acq: 17 Nov 2014 3:43

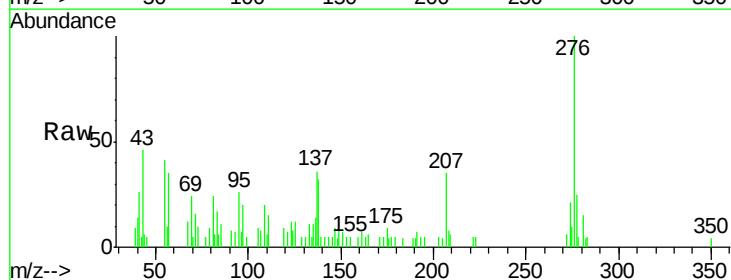
Tgt Ion: 276 Resp: 15554

Ion Ratio Lower Upper

276 100

277 24.7 17.8 26.8

138 31.7 22.8 34.2



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

