

Data Path : Z:\HPCHEM1\BNA F\DATA\BF011016\
 Data File : BF084358.D
 Acq On : 10 Jan 2016 12:06
 Operator : SJ/UM
 Sample : H1043-05
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-3S(0-10)

Quant Time: Jan 11 04:11:45 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF123115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 04 12:22:40 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	258587	20.00	ng	-0.05
21) Naphthalene-d8	8.14	136	1066555	20.00	ng	-0.05
38) Acenaphthene-d10	9.89	164	497240	20.00	ng	-0.06
63) Phenanthrene-d10	11.38	188	910586	20.00	ng	-0.05
75) Chrysene-d12	14.02	240	703812	20.00	ng	-0.05
86) Perylene-d12	15.44	264	504149	20.00	ng	-0.07

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.47	112	1606349	100.48	ng	-0.02
7) Phenol-d6	6.51	99	2365638	117.82	ng	-0.02
23) Nitrobenzene-d5	7.42	82	1584640	82.69	ng	-0.05
41) 2,4,6-Tribromophenol	10.68	330	542410	108.05	ng	-0.06
44) 2-Fluorobiphenyl	9.22	172	2032873	70.87	ng	-0.04
78) Terphenyl-d14	12.97	244	1893730	60.06	ng	-0.05

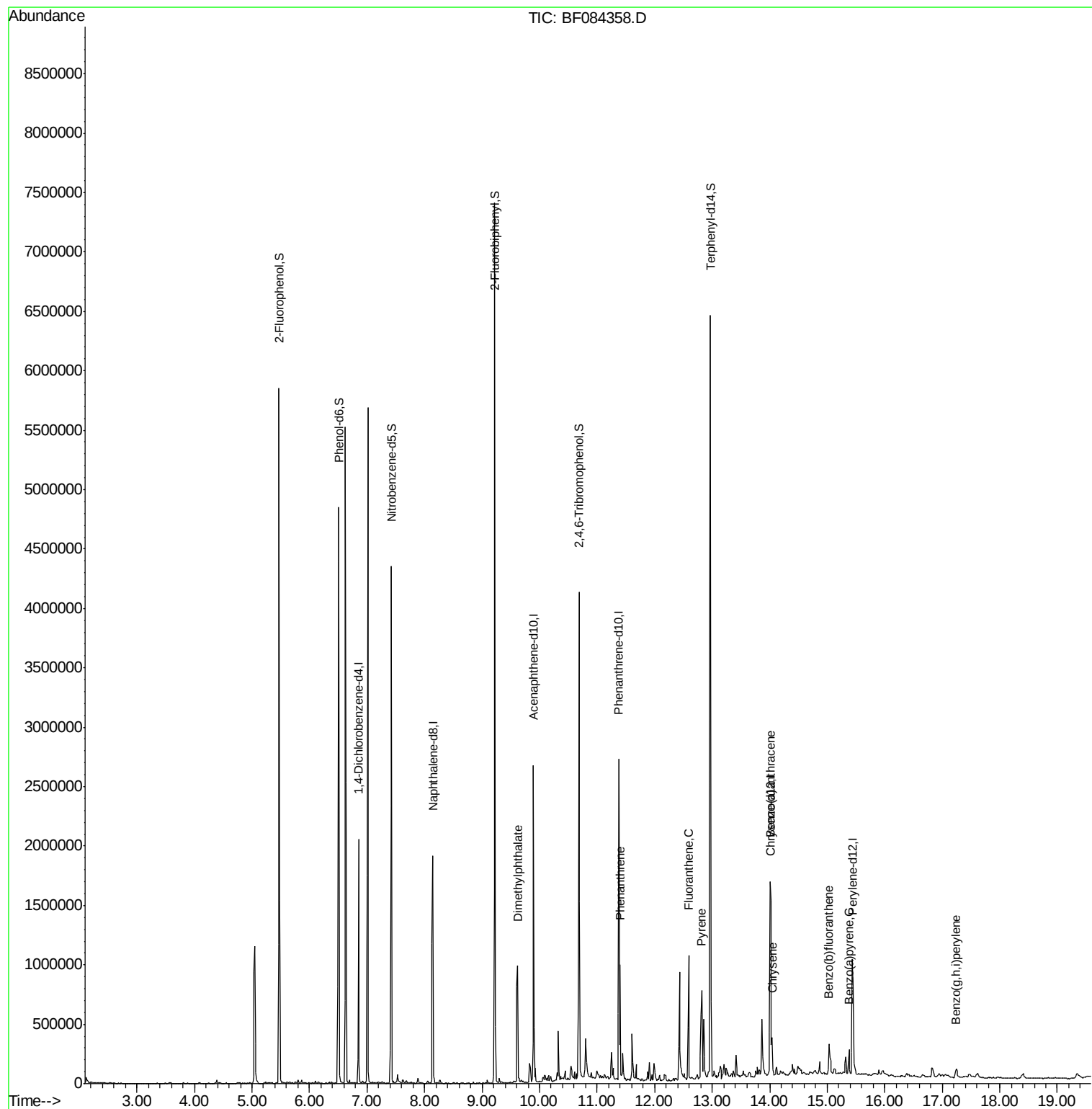
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
49) Dimethylphthalate	9.62	163	578469	16.27	ng	# 91
70) Phenanthrene	11.40	178	335835	7.05	ng	99
74) Fluoranthene	12.59	202	467361	9.39	ng	95
77) Pyrene	12.82	202	396423	7.18	ng	99
80) Benzo(a)anthracene	14.01	228	182693	4.42	ng	100
82) Chrysene	14.04	228	151808m	3.82	ng	
87) Benzo(b)fluoranthene	15.03	252	168390m	5.11	ng	
89) Benzo(a)pyrene	15.38	252	106799	3.82	ng	98
91) Benzo(g,h,i)perylene	17.24	276	60300	2.42	ng	99

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

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Quant Time: Jan 11 04:11:45 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF123115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jan 04 12:22:40 2016
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.85 min Scan# 417

Delta R.T. -0.05 min

Lab File: BF084358.D

Acq: 10 Jan 2016 12:06

Instrument :

BNA_F

ClientSampleId :

SB-3S(0-10)

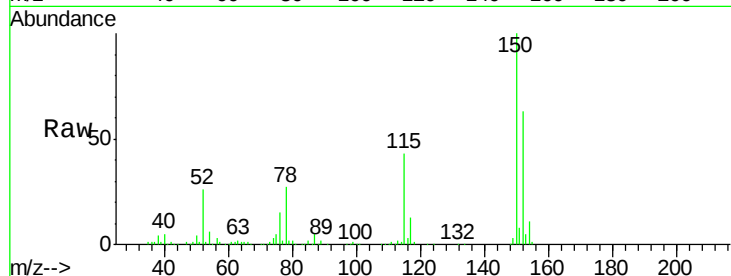
Tot Ion:152 Resp: 258587

Ion Ratio Lower Upper

152 100

150 159.8 123.0 184.4

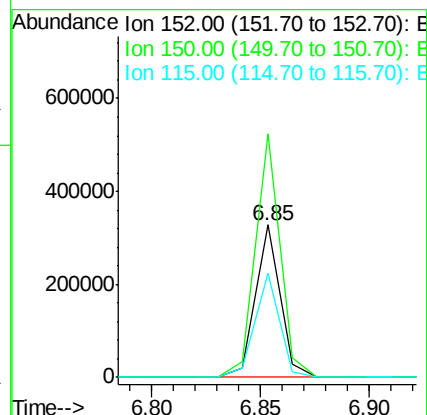
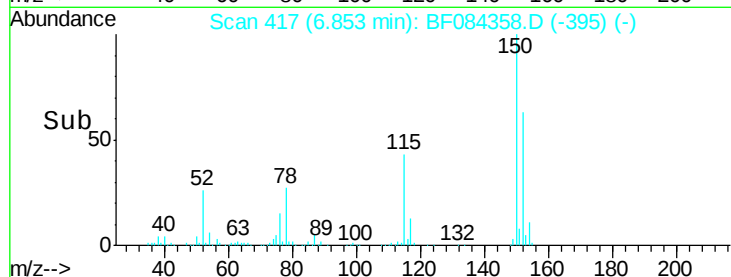
115 68.3 51.4 77.2



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: 100.48 ng

RT: 5.47 min Scan# 296

Delta R.T. -0.02 min

Lab File: BF084358.D

Acq: 10 Jan 2016 12:06

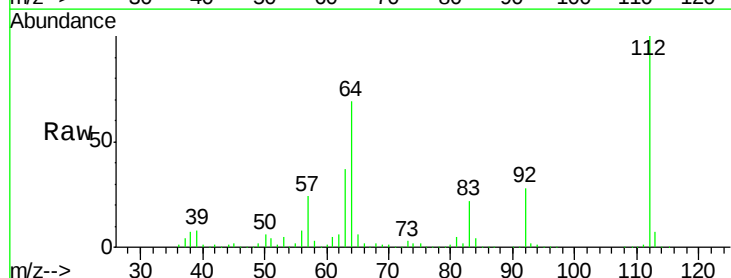
Tgt Ion:112 Resp: 1606349

Ion Ratio Lower Upper

112 100

64 69.0 36.6 55.0#

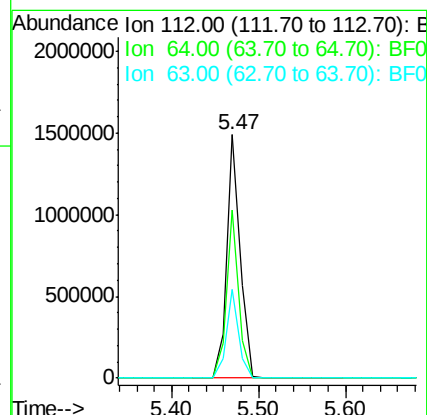
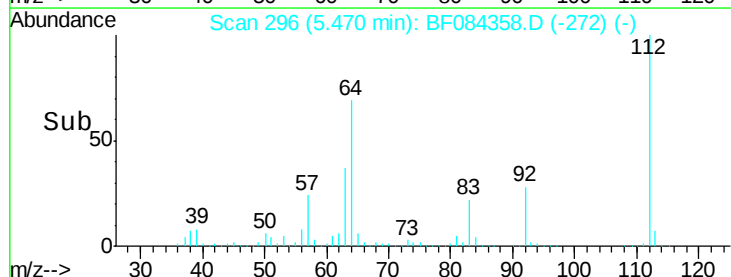
63 36.7 19.4 29.0#

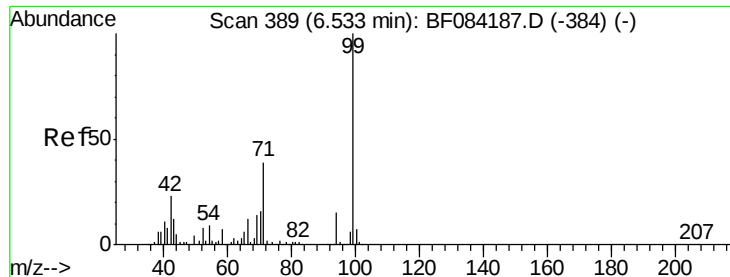


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 117.82 ng

RT: 6.51 min Scan# 387

Delta R.T. -0.02 min

Lab File: BF084358.D

Acq: 10 Jan 2016 12:06

Instrument :

BNA_F

ClientSampleId :

SB-3S(0-10)

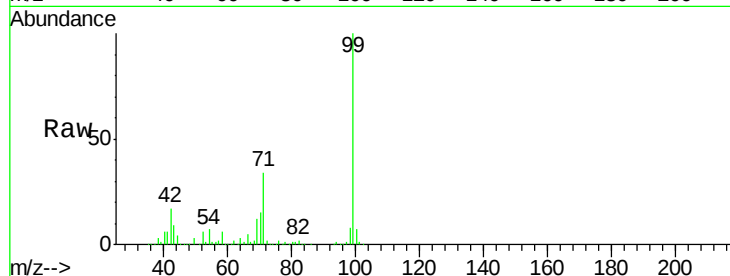
Tot Ion: 99 Resp: 2365638

Ion Ratio Lower Upper

99 100

42 16.6 12.8 19.2

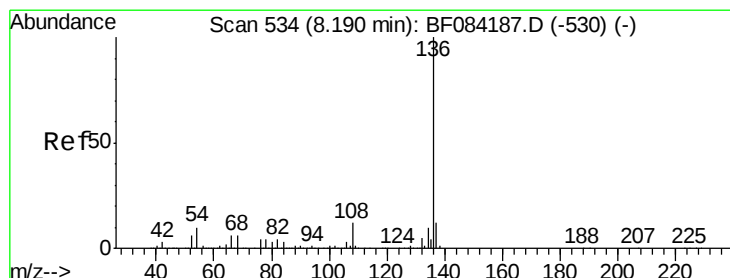
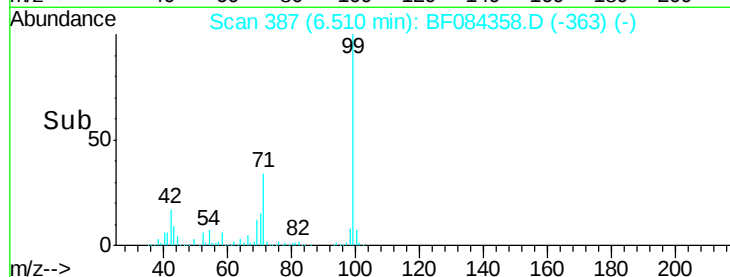
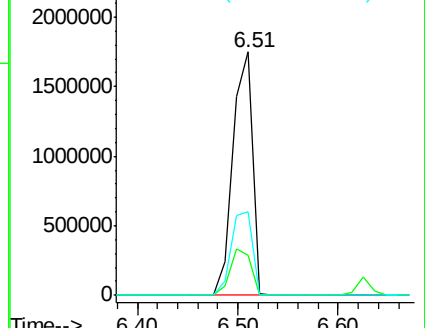
71 34.2 30.9 46.3



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



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.14 min Scan# 530

Delta R.T. -0.05 min

Lab File: BF084358.D

Acq: 10 Jan 2016 12:06

Tgt Ion:136 Resp: 1066555

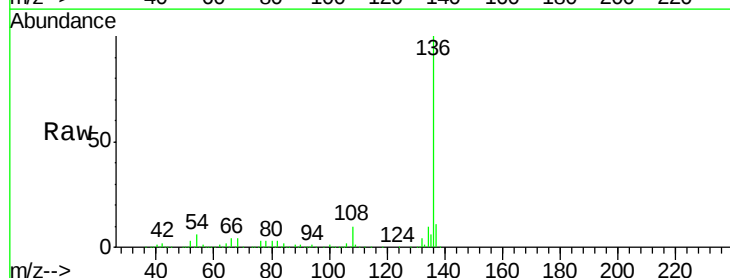
Ion Ratio Lower Upper

136 100

137 11.1 8.7 13.1

54 6.5 5.8 8.8

68 4.0 4.2 6.2#

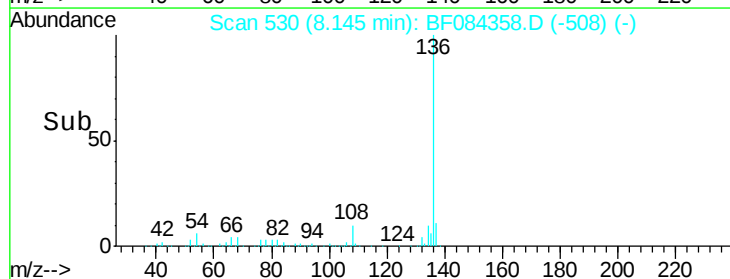
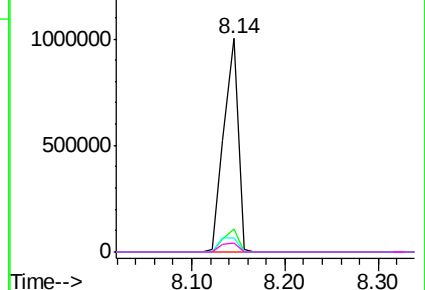


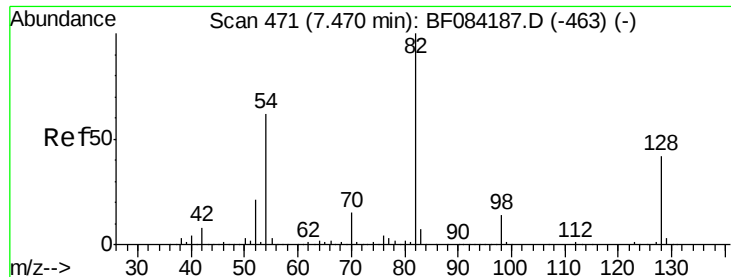
Abundance Ion 136.00 (135.70 to 136.70): E

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

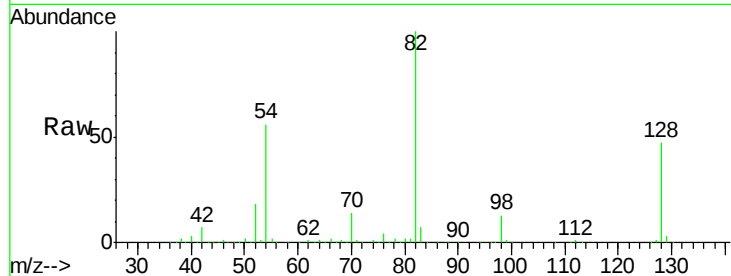




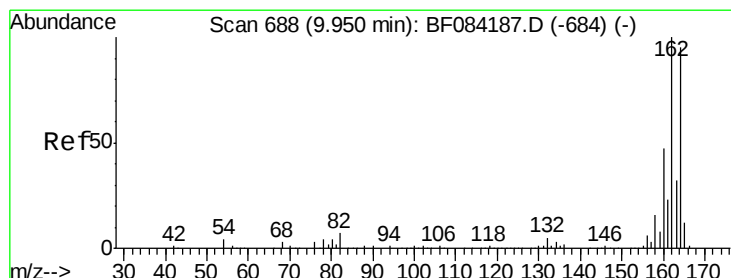
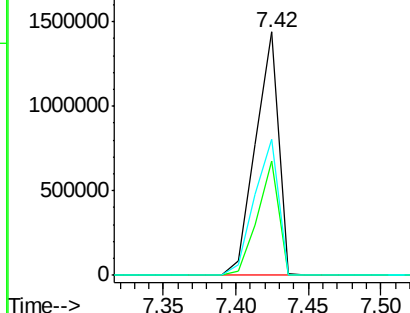
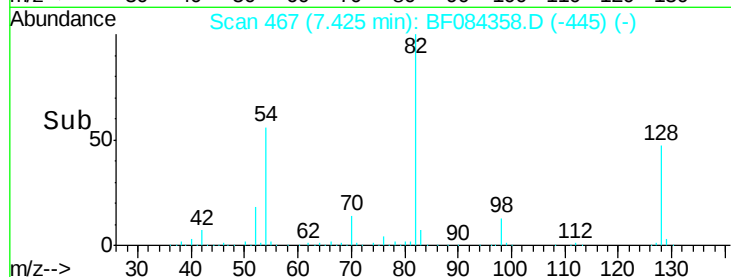
#23
 Nitrobenzene-d5
 Concen: 82.69 ng
 RT: 7.42 min Scan# 467
 Delta R.T. -0.05 min
 Lab File: BF084358.D
 Acq: 10 Jan 2016 12:06

Instrument :
 BNA_F
 ClientSampleId :
 SB-3S(0-10)

Tot Ion: 82 Resp: 1584640
 Ion Ratio Lower Upper
 82 100
 128 46.8 34.6 51.8
 54 56.1 38.4 57.6

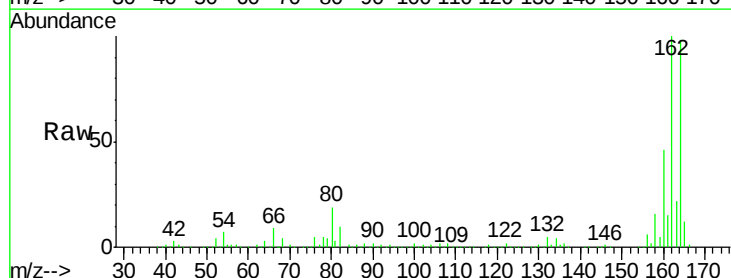


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): B
 Ion 54.00 (53.70 to 54.70): BF0

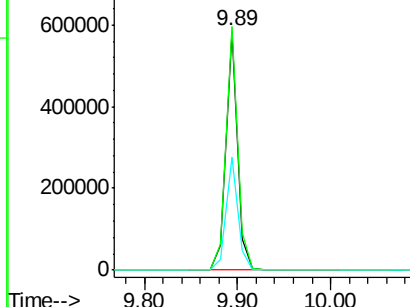
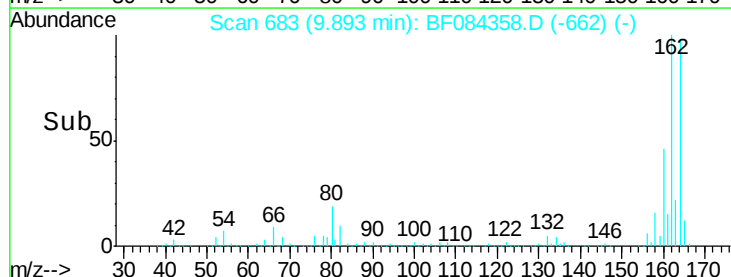


#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.89 min Scan# 683
 Delta R.T. -0.06 min
 Lab File: BF084358.D
 Acq: 10 Jan 2016 12:06

Tgt Ion:164 Resp: 497240
 Ion Ratio Lower Upper
 164 100
 162 102.0 85.1 127.7
 160 47.4 37.5 56.3



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

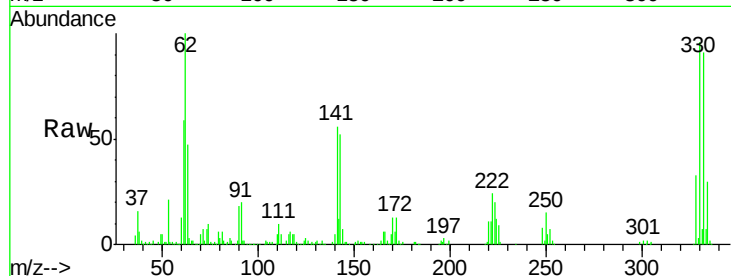




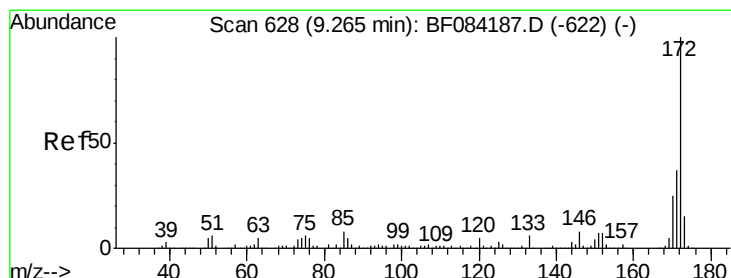
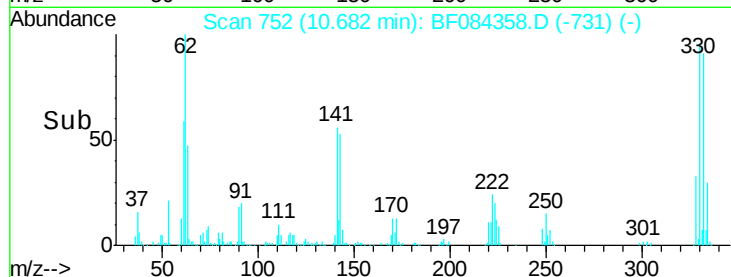
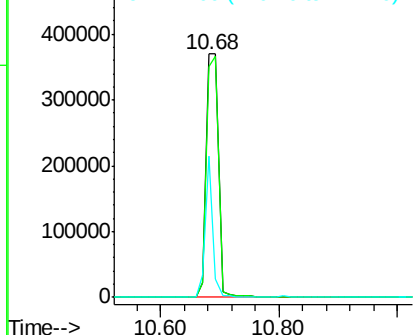
#41
 2,4,6-Tribromophenol
 Concen: 108.05 ng
 RT: 10.68 min Scan# 752
 Delta R.T. -0.06 min
 Lab File: BF084358.D
 Acq: 10 Jan 2016 12:06

Instrument :
 BNA_F
 ClientSampleId :
 SB-3S(0-10)

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.2	76.6	114.8
141	35.6	27.8	41.6

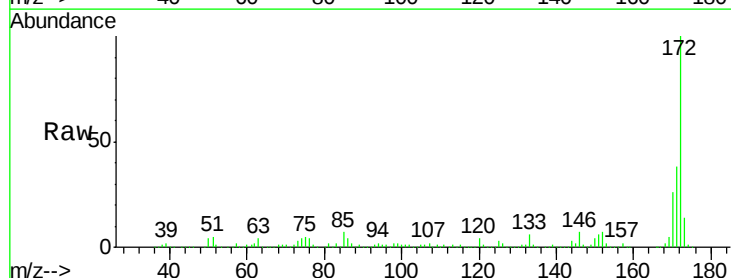


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

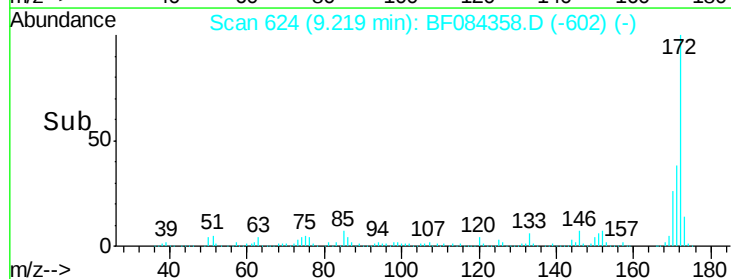
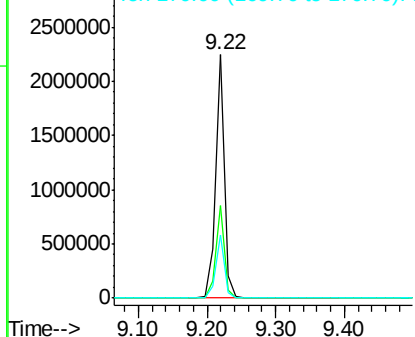


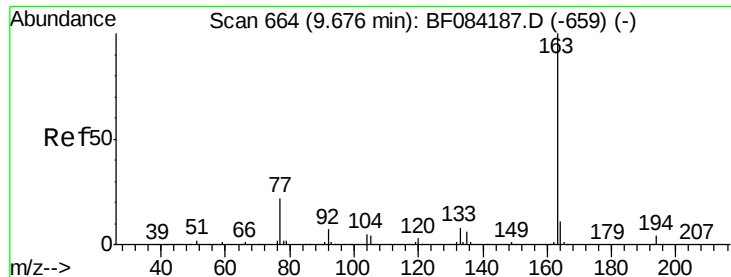
#44
 2-Fluorobiphenyl
 Concen: 70.87 ng
 RT: 9.22 min Scan# 624
 Delta R.T. -0.04 min
 Lab File: BF084358.D
 Acq: 10 Jan 2016 12:06

Tgt Ion	Ratio	Lower	Upper
172	100		
171	38.2	28.9	43.3
170	25.9	18.6	27.8



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: 16.27 ng

RT: 9.62 min Scan# 659

Delta R.T. -0.06 min

Lab File: BF084358.D

Acq: 10 Jan 2016 12:06

Instrument :

BNA_F

ClientSampleId :

SB-3S(0-10)

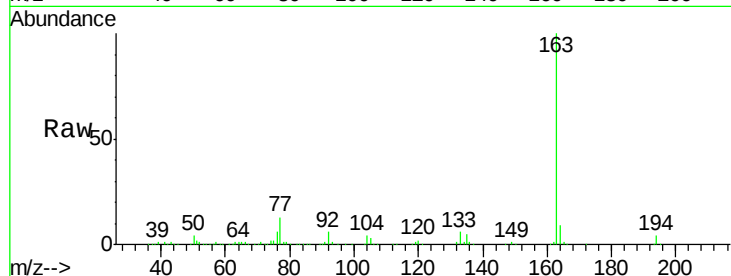
Tot Ion:163 Resp: 578469

Ion Ratio Lower Upper

163 100

194 3.6 8.0 12.0#

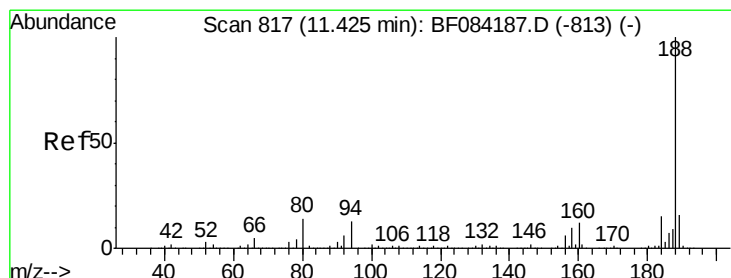
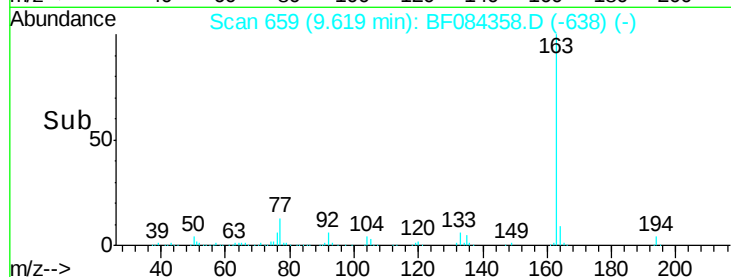
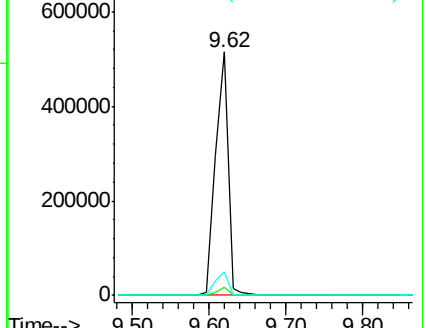
164 9.5 8.0 12.0



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



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.38 min Scan# 813

Delta R.T. -0.05 min

Lab File: BF084358.D

Acq: 10 Jan 2016 12:06

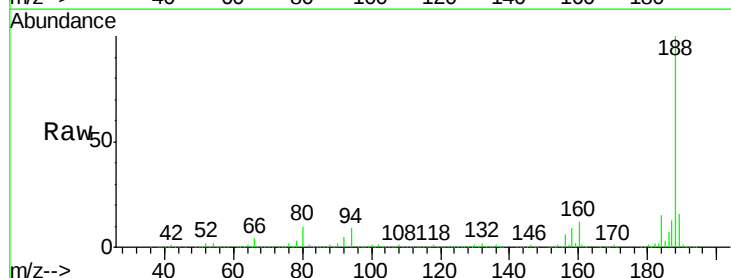
Tgt Ion:188 Resp: 910586

Ion Ratio Lower Upper

188 100

94 8.9 9.0 13.4#

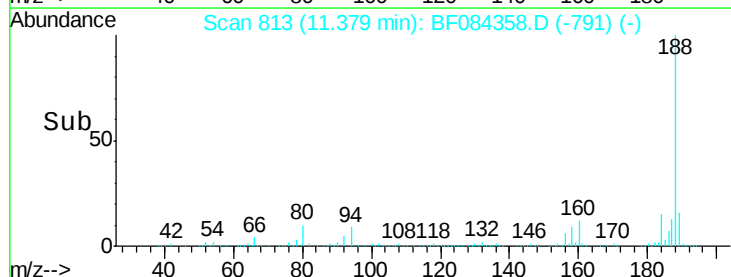
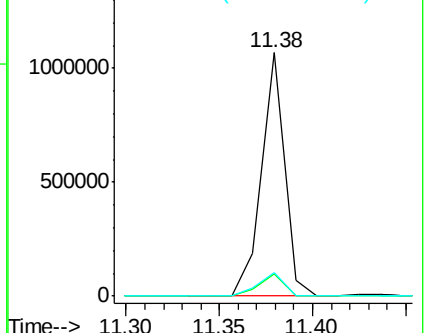
80 9.6 9.6 14.4#

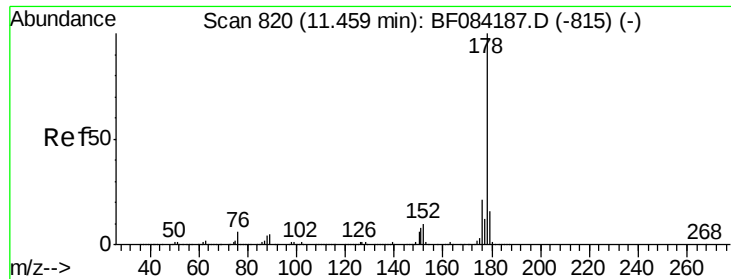


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#70

Phenanthrene

Concen: 7.05 ng

RT: 11.40 min Scan# 815

Delta R.T. -0.06 min

Lab File: BF084358.D

Acq: 10 Jan 2016 12:06

Instrument :

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SB-3S(0-10)

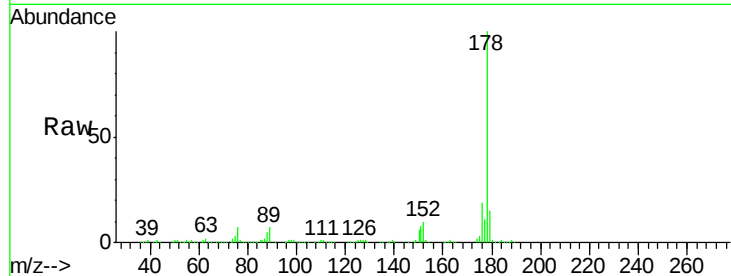
Tot Ion:178 Resp: 335835

Ion Ratio Lower Upper

178 100

176 18.8 15.3 22.9

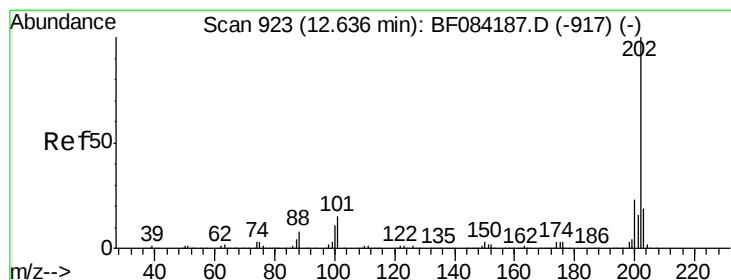
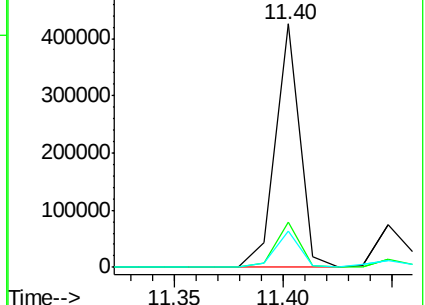
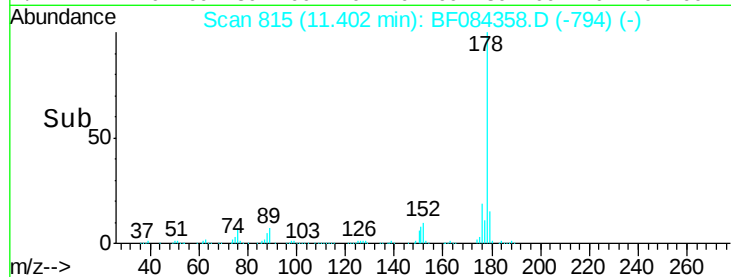
179 14.9 12.0 18.0



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#74

Fluoranthene

Concen: 9.39 ng

RT: 12.59 min Scan# 919

Delta R.T. -0.05 min

Lab File: BF084358.D

Acq: 10 Jan 2016 12:06

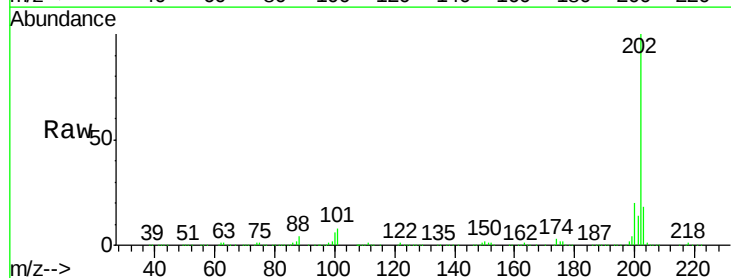
Tgt Ion:202 Resp: 467361

Ion Ratio Lower Upper

202 100

101 8.2 0.0 32.8

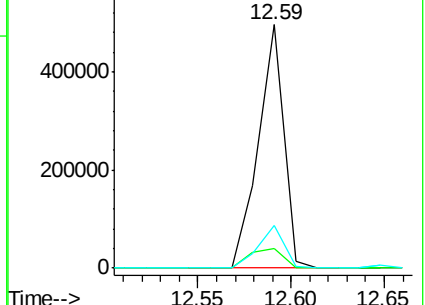
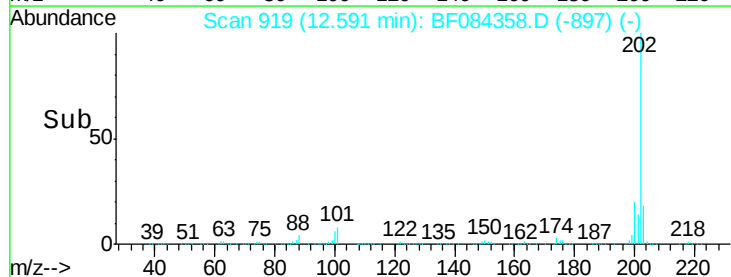
203 17.6 0.0 37.9

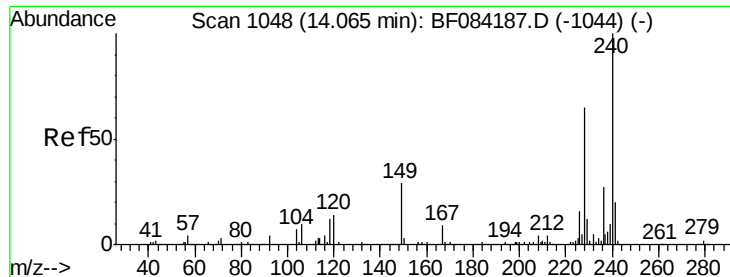


Abundance Ion 202.00 (201.70 to 202.70): E

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: 14.02 min Scan# 1044

Delta R.T. -0.05 min

Lab File: BF084358.D

Acq: 10 Jan 2016 12:06

Instrument :

BNA_F

ClientSampleId :

SB-3S(0-10)

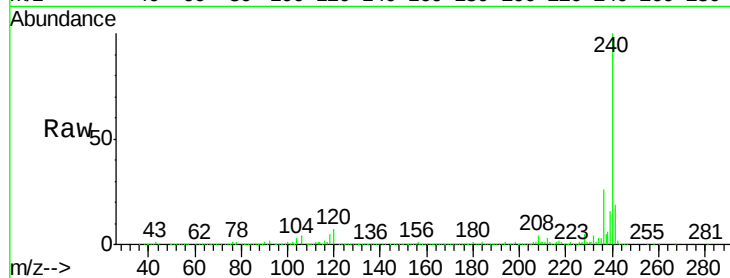
Tot Ion:240 Resp: 703812

Ion Ratio Lower Upper

240 100

120 6.5 9.5 14.3#

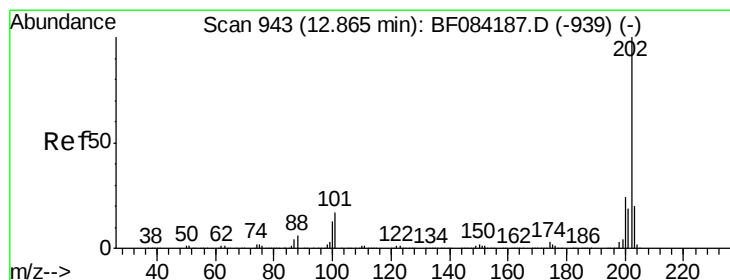
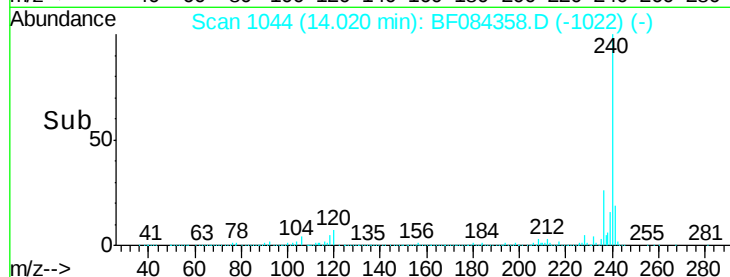
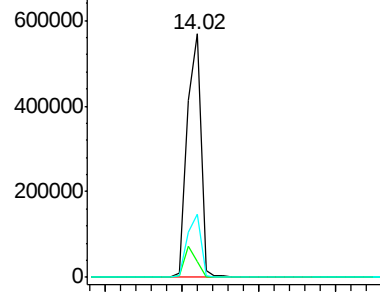
236 25.8 20.6 31.0



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: 7.18 ng

RT: 12.82 min Scan# 939

Delta R.T. -0.05 min

Lab File: BF084358.D

Acq: 10 Jan 2016 12:06

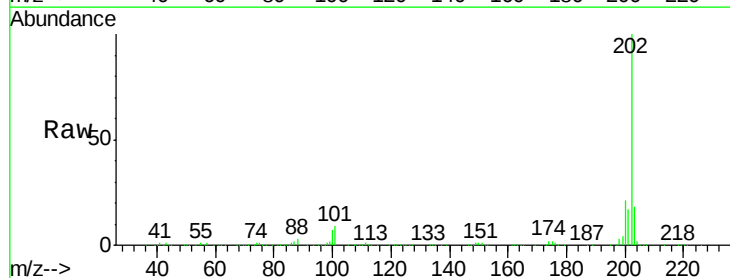
Tgt Ion:202 Resp: 396423

Ion Ratio Lower Upper

202 100

200 20.8 17.2 25.8

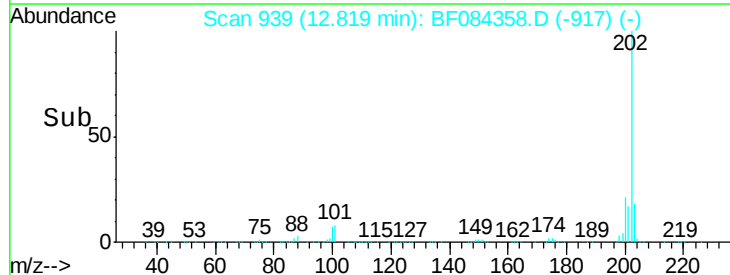
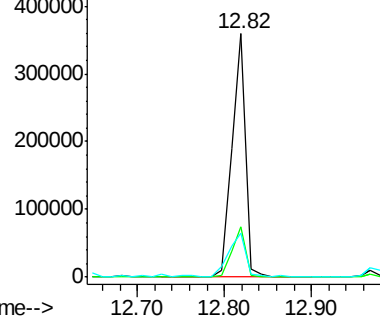
203 17.8 14.3 21.5

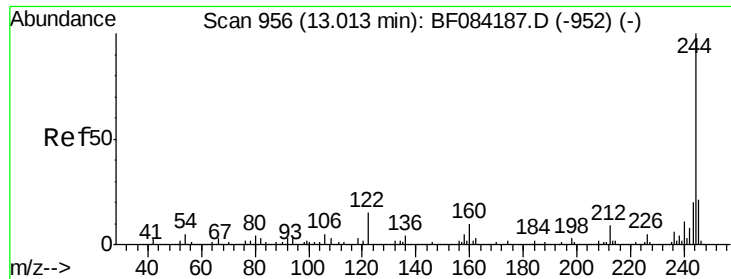


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

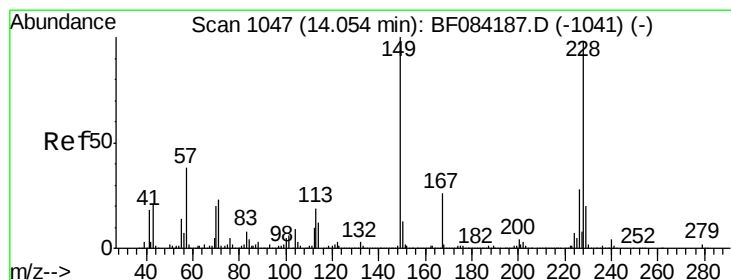
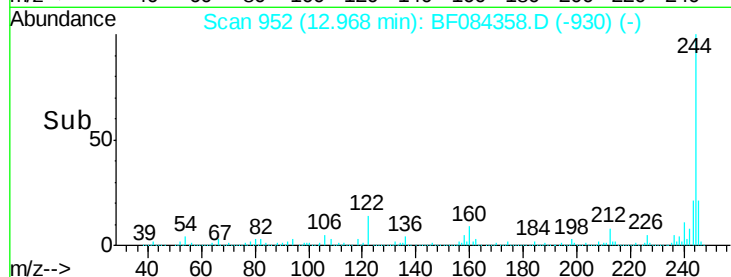
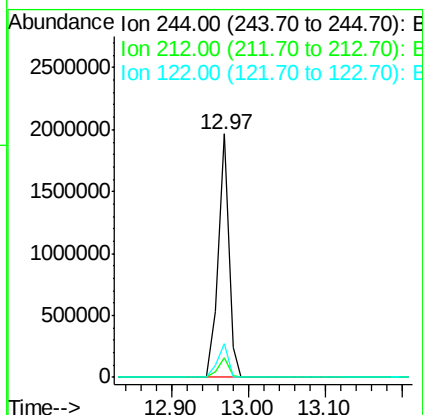
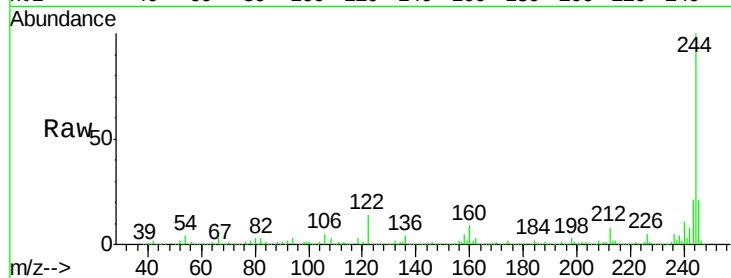




#78
 Terphenyl-d14
 Concen: 60.06 ng
 RT: 12.97 min Scan# 952
 Delta R.T. -0.05 min
 Lab File: BF084358.D
 Acq: 10 Jan 2016 12:06

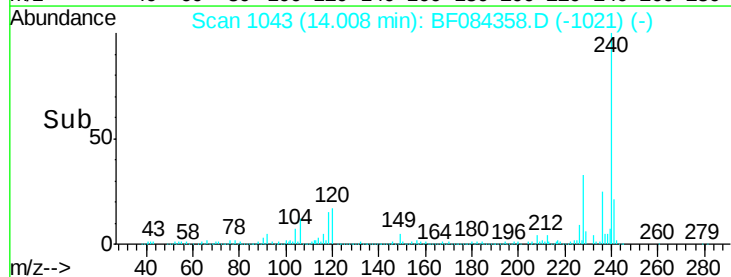
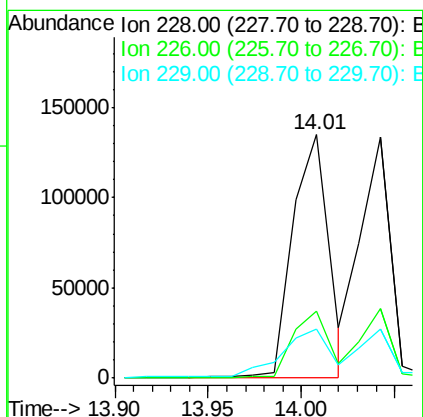
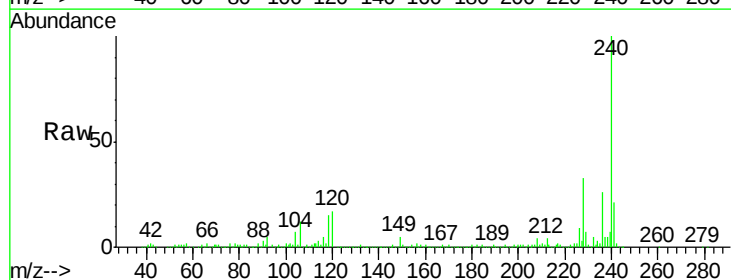
Instrument :
 BNA_F
 ClientSampleId :
 SB-3S(0-10)

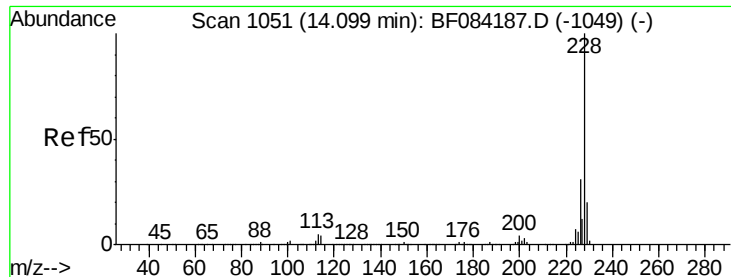
Tot Ion:244 Resp: 1893730
 Ion Ratio Lower Upper
 244 100
 212 8.1 5.7 8.5
 122 13.7 7.4 11.0#



#80
 Benzo(a)anthracene
 Concen: 4.42 ng
 RT: 14.01 min Scan# 1043
 Delta R.T. -0.05 min
 Lab File: BF084358.D
 Acq: 10 Jan 2016 12:06

Tgt Ion:228 Resp: 182693
 Ion Ratio Lower Upper
 228 100
 226 27.3 21.8 32.6
 229 20.2 15.8 23.8

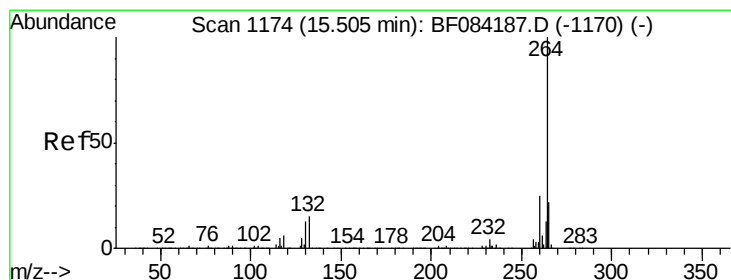
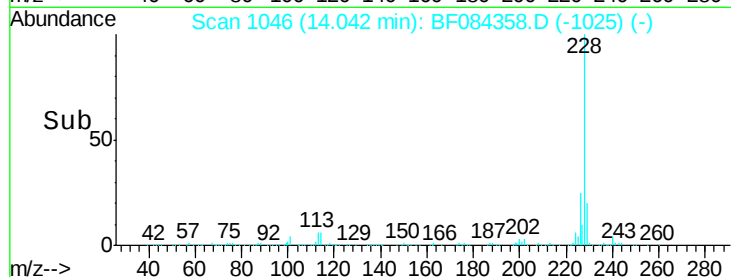
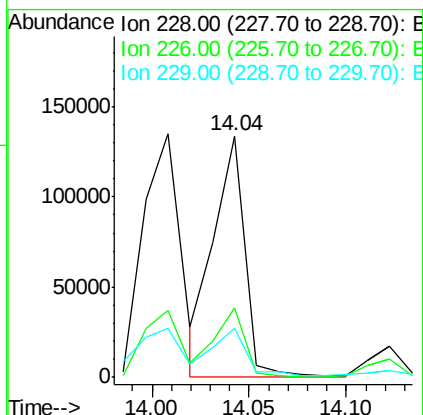
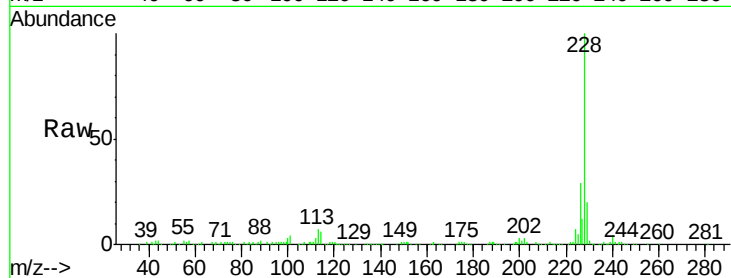




#82
Chrysene
Concen: 3.82 ng/mL
RT: 14.04 min Scan# 1046
Delta R.T. -0.06 min
Lab File: BF084358.D
Acq: 10 Jan 2016 12:06

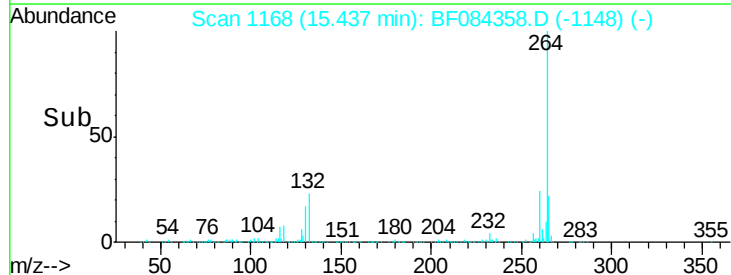
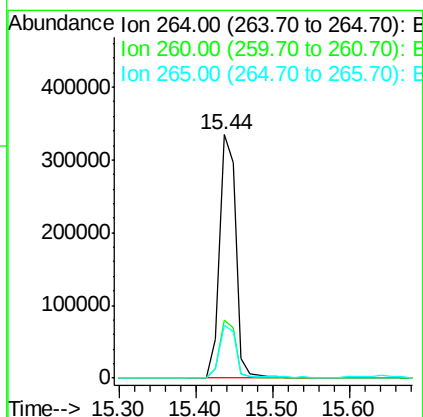
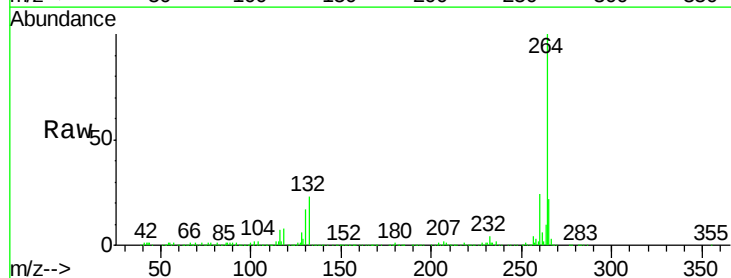
Instrument :
BNA_F
ClientSampleID :
SB-3S(0-10)

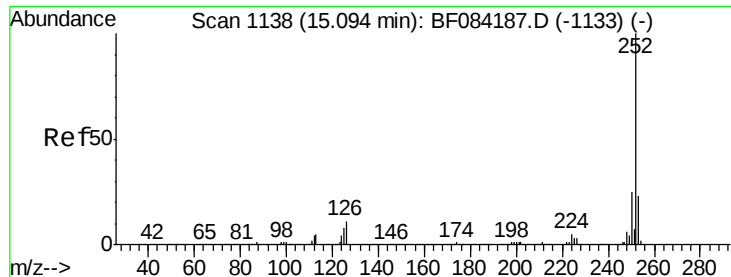
Tot Ion: 228 Resp: 151808
Ion Ratio Lower Upper
228 100
226 28.7 24.3 36.5
229 20.5 16.1 24.1



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.44 min Scan# 1168
Delta R.T. -0.07 min
Lab File: BF084358.D
Acq: 10 Jan 2016 12:06

Tgt Ion: 264 Resp: 504149
Ion Ratio Lower Upper
264 100
260 23.8 19.4 29.2
265 21.6 17.8 26.6





#87

Benzo(b)fluoranthene

Concen: 5.11 ng

RT: 15.03 min Scan# 1132

Delta R.T. -0.07 min

Lab File: BF084358.D

Acq: 10 Jan 2016 12:06

Instrument :

BNA_F

ClientSampleId :

SB-3S(0-10)

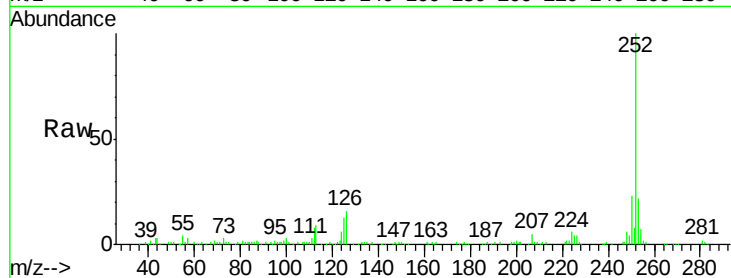
Tot Ion:252 Resp: 168390

Ion Ratio Lower Upper

252 100

253 22.4 17.3 25.9

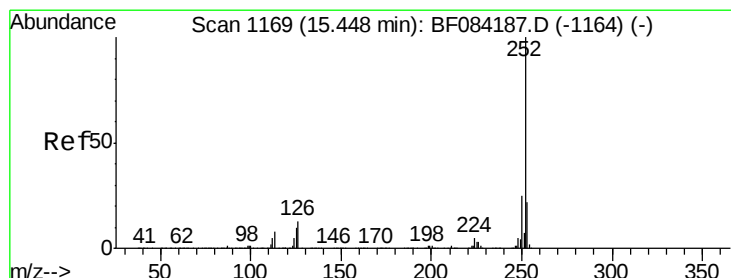
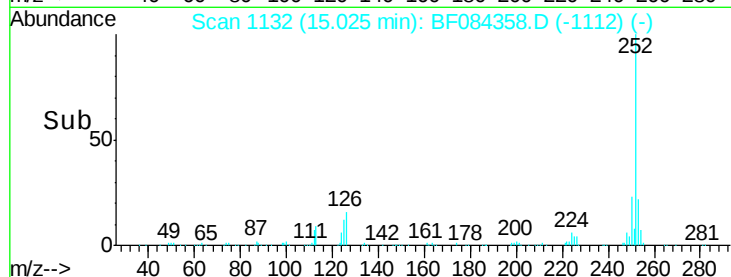
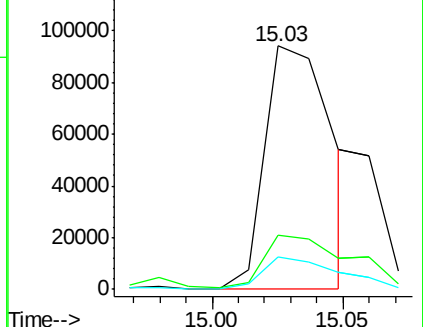
125 13.1 6.5 9.7#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#89

Benzo(a)pyrene

Concen: 3.82 ng

RT: 15.38 min Scan# 1163

Delta R.T. -0.07 min

Lab File: BF084358.D

Acq: 10 Jan 2016 12:06

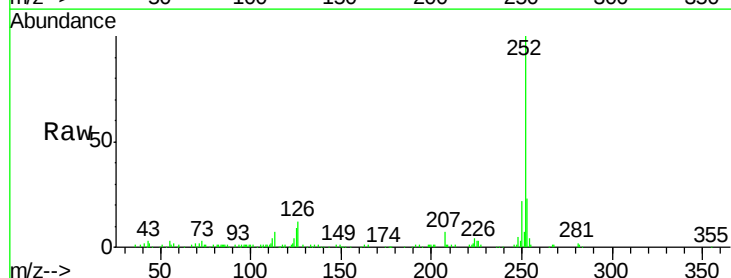
Tgt Ion:252 Resp: 106799

Ion Ratio Lower Upper

252 100

253 22.7 17.3 25.9

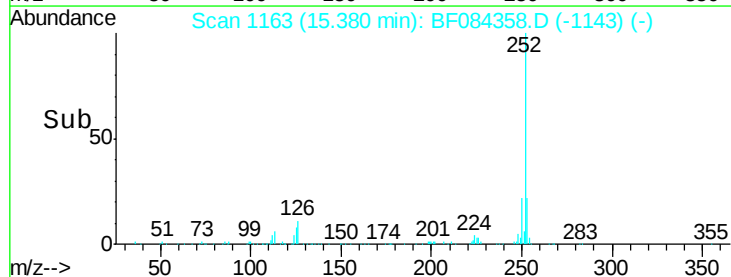
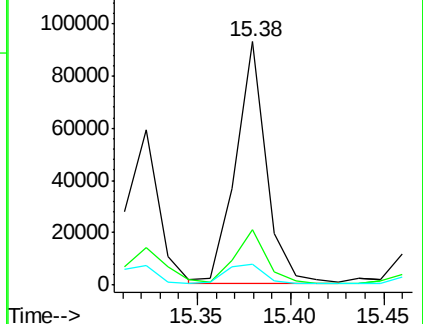
125 8.5 7.0 10.4

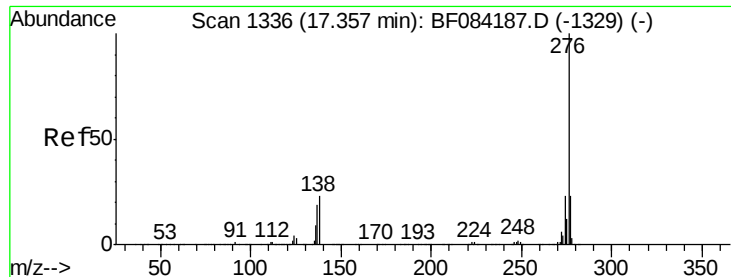


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

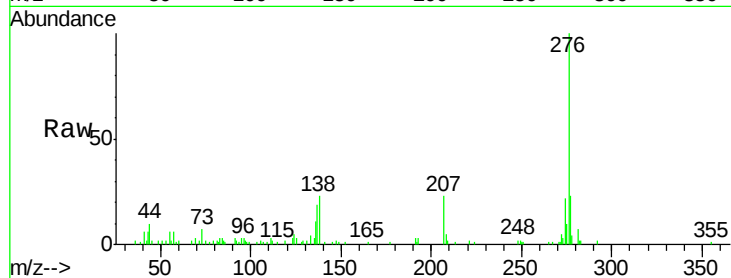




#91
 Benzo(a,h,i)perylene
 Concen: 2.42 ng
 RT: 17.24 min Scan# 1326
 Delta R.T. -0.11 min
 Lab File: BF084358.D
 Acq: 10 Jan 2016 12:06

Instrument :
 BNA_F
 ClientSampleId :
 SB-3S(0-10)

Tot Ion	Ion	Ratio	Lower	Upper
276	100			
277	23.4	18.8	28.2	
138	22.7	17.8	26.6	



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

