

Data Path : Z:\HPCHEM1\BNA F\DATA\BF011516\
 Data File : BF084511.D
 Acq On : 16 Jan 2016 1:09
 Operator : SJ/UM
 Sample : H1128-03
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 Composite

Quant Time: Jan 18 10:01:26 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF123115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Jan 16 03:20:07 2016
 Response via : Initial Calibration

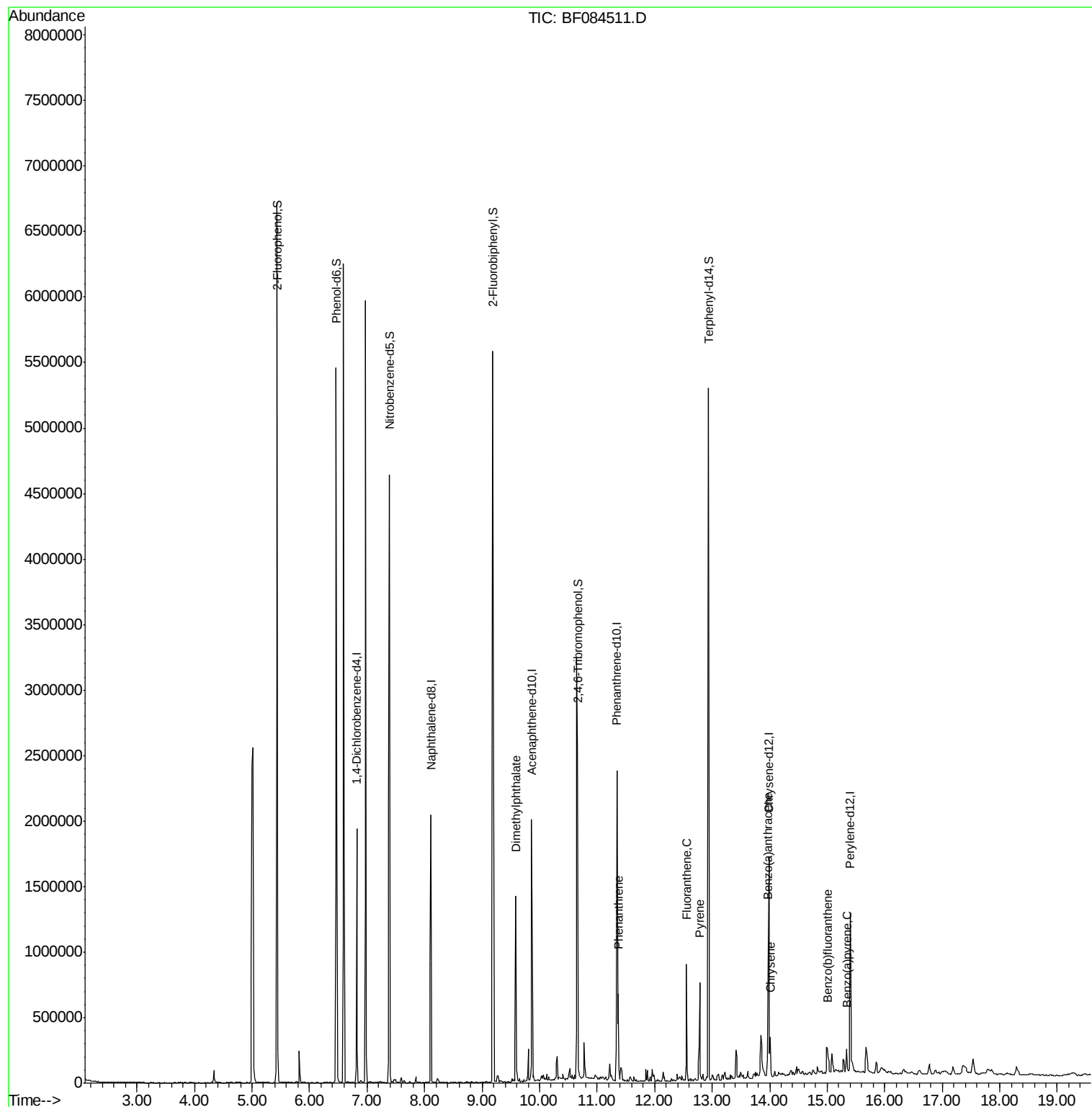
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	252785	20.00	ng	0.00
21) Naphthalene-d8	8.11	136	1042299	20.00	ng	0.00
38) Acenaphthene-d10	9.86	164	455962	20.00	ng	-0.01
63) Phenanthrene-d10	11.34	188	807211	20.00	ng	0.00
75) Chrysene-d12	13.99	240	618980	20.00	ng	0.00
86) Perylene-d12	15.40	264	531042	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.44	112	1887210	120.75	ng	0.01
7) Phenol-d6	6.46	99	2201021	112.14	ng	-0.01
23) Nitrobenzene-d5	7.39	82	1607694	85.85	ng	0.00
41) 2,4,6-Tribromophenol	10.66	330	569689	123.76	ng	0.00
44) 2-Fluorobiphenyl	9.18	172	2070538	79.47	ng	-0.01
78) Terphenyl-d14	12.93	244	1634568	58.95	ng	0.00
Target Compounds						Qvalue
49) Dimethylphthalate	9.58	163	538438	16.52	ng	# 90
70) Phenanthrene	11.37	178	227525	5.39	ng	99
74) Fluoranthene	12.56	202	330667	7.50	ng	97
77) Pyrene	12.79	202	311531	6.41	ng	99
80) Benzo(a)anthracene	13.97	228	118583m	3.26	ng	
82) Chrysene	14.01	228	112766m	3.23	ng	
87) Benzo(b)fluoranthene	15.00	252	128538m	3.70	ng	
89) Benzo(a)pyrene	15.35	252	87001	2.95	ng	96

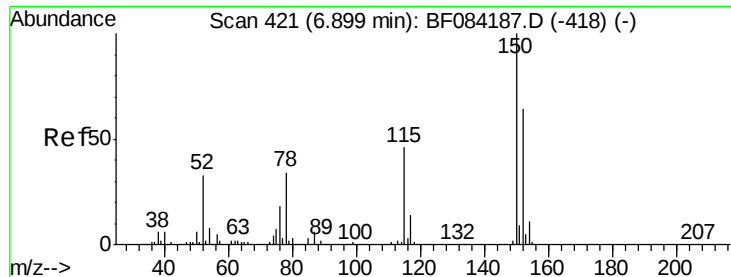
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.82 min Scan# 414

Delta R.T. -0.00 min

Lab File: BF084511.D

Acq: 16 Jan 2016 1:09

Instrument :

BNA_F

ClientSampleId :

Composite

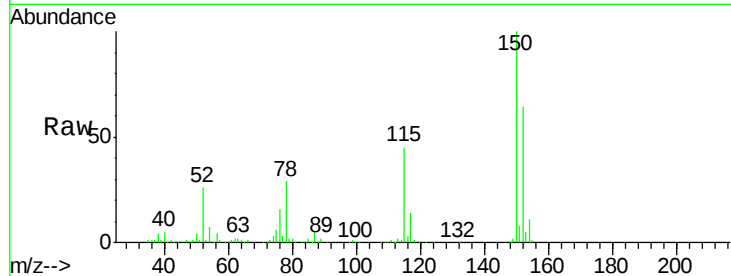
Tot Ion:152 Resp: 252785

Ion Ratio Lower Upper

152 100

150 157.3 123.0 184.4

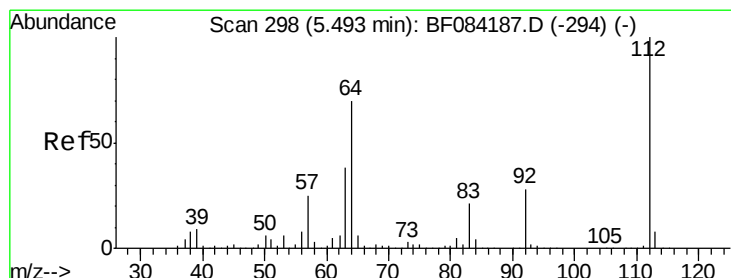
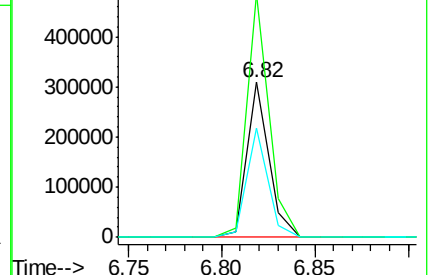
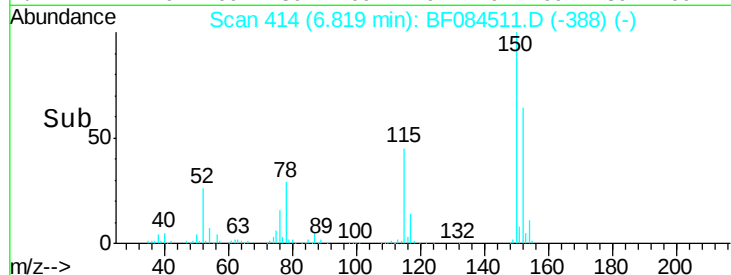
115 70.4 51.4 77.2



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: 120.75 ng

RT: 5.44 min Scan# 293

Delta R.T. 0.01 min

Lab File: BF084511.D

Acq: 16 Jan 2016 1:09

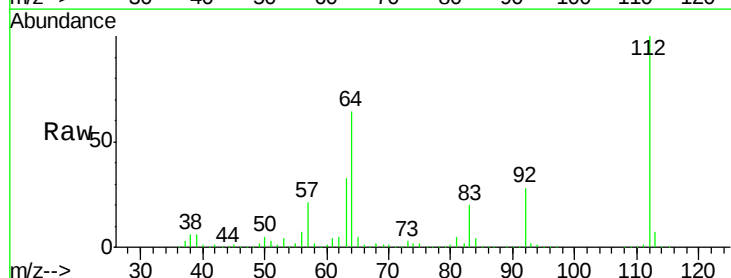
Tgt Ion:112 Resp: 1887210

Ion Ratio Lower Upper

112 100

64 63.6 36.6 55.0#

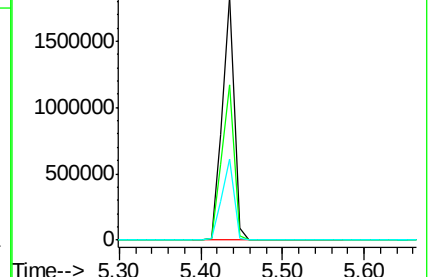
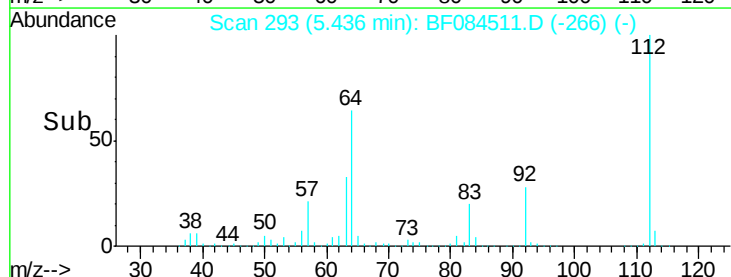
63 33.2 19.4 29.0#

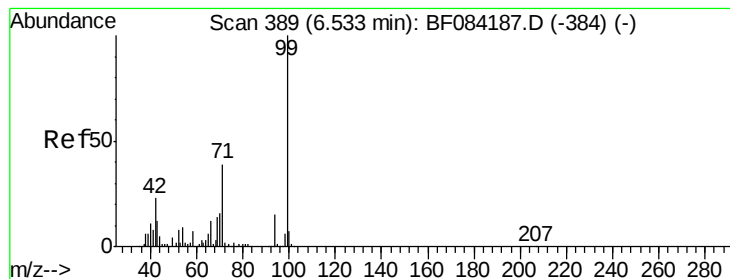


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 112.14 ng

RT: 6.46 min Scan# 383

Delta R.T. -0.01 min

Lab File: BF084511.D

Acq: 16 Jan 2016 1:09

Instrument :

BNA_F

ClientSampleId :

Composite

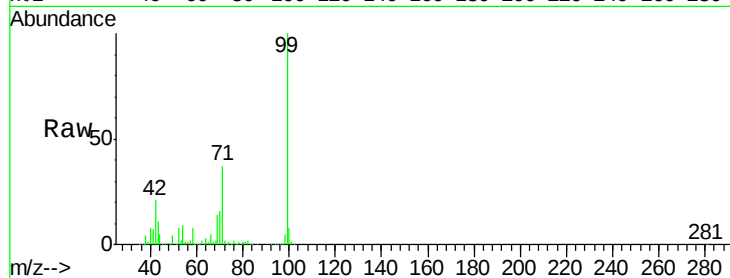
Tot Ion: 99 Resp: 2201021

Ion Ratio Lower Upper

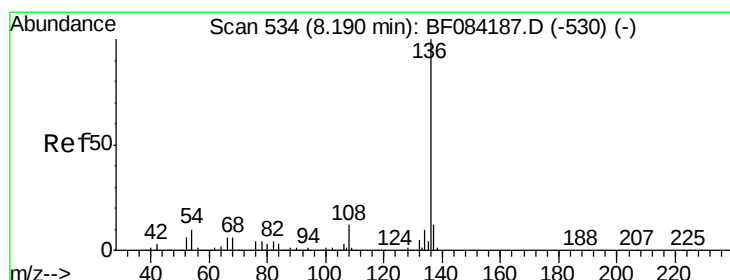
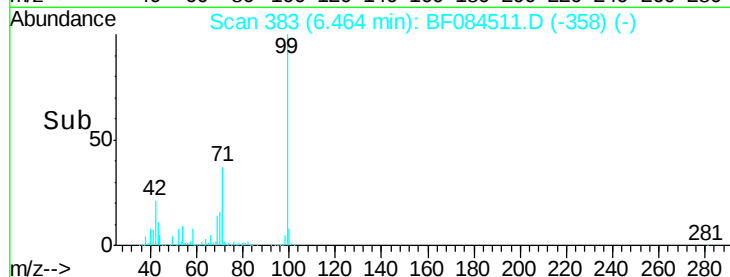
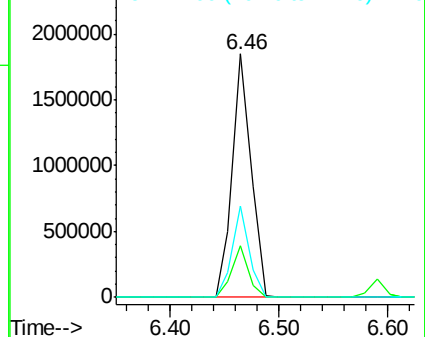
99 100

42 21.0 12.8 19.2#

71 37.3 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: 8.11 min Scan# 527

Delta R.T. -0.00 min

Lab File: BF084511.D

Acq: 16 Jan 2016 1:09

Tgt Ion: 136 Resp: 1042299

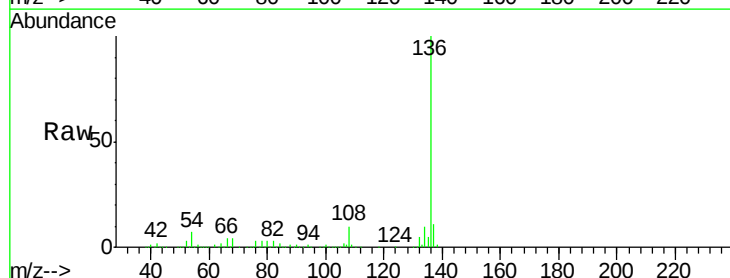
Ion Ratio Lower Upper

136 100

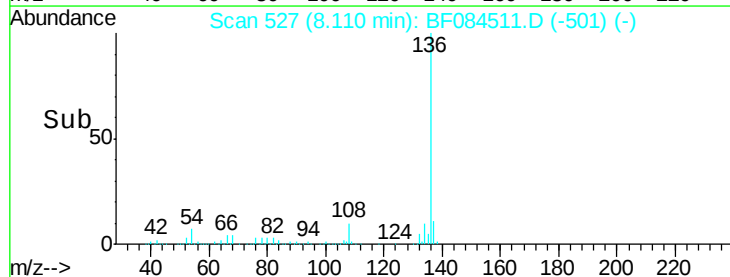
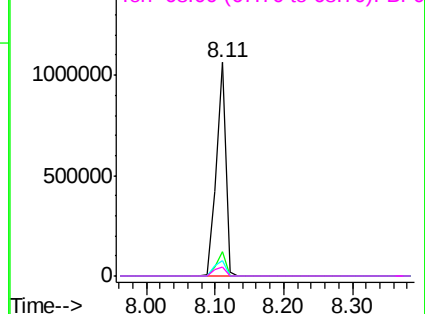
137 11.1 8.7 13.1

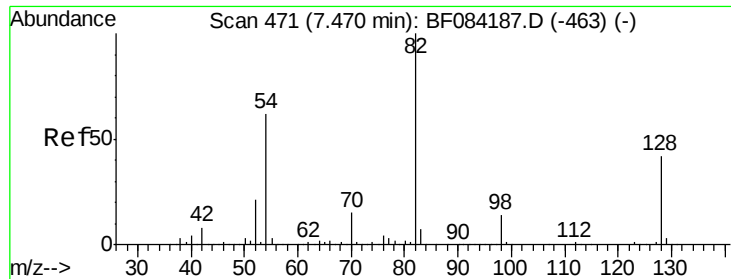
54 6.9 5.8 8.8

68 4.5 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



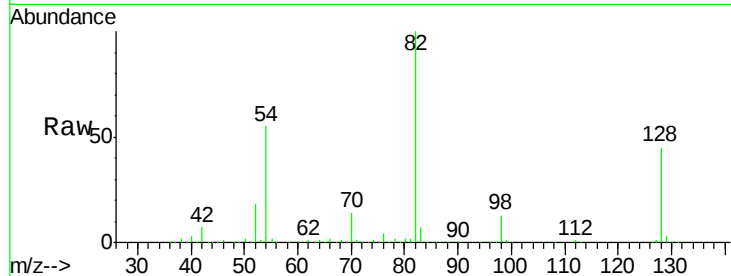


#23
 Nitrobenzene-d5
 Concen: 85.85 ng
 RT: 7.39 min Scan# 464
 Delta R.T. -0.00 min
 Lab File: BF084511.D
 Acq: 16 Jan 2016 1:09

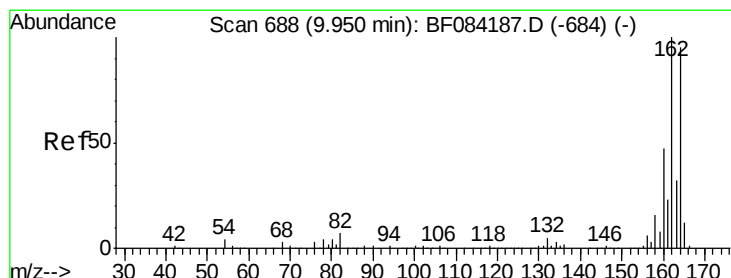
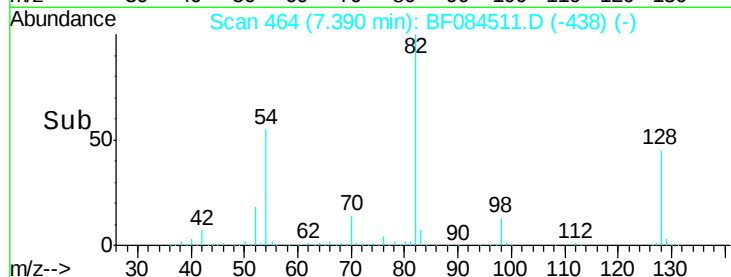
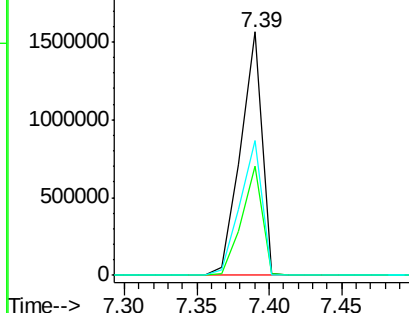
Instrument :
 BNA_F
 ClientSampleId :
 Composite

Tot Ion: 82 Resp: 1607694

Ion	Ratio	Lower	Upper
82	100		
128	44.8	34.6	51.8
54	55.2	38.4	57.6



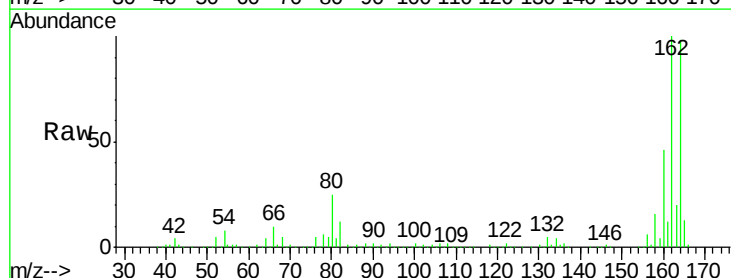
Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): BF0
 Ion 54.00 (53.70 to 54.70): BF0



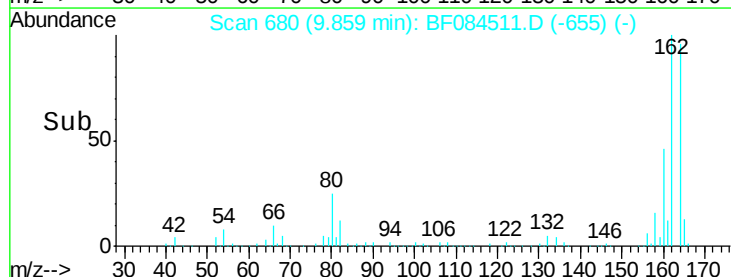
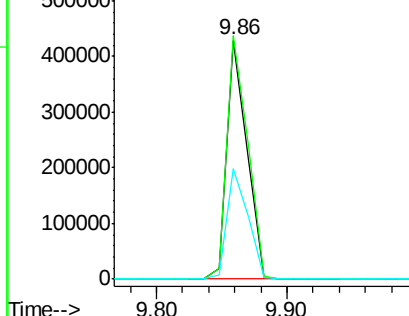
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.86 min Scan# 680
 Delta R.T. -0.01 min
 Lab File: BF084511.D
 Acq: 16 Jan 2016 1:09

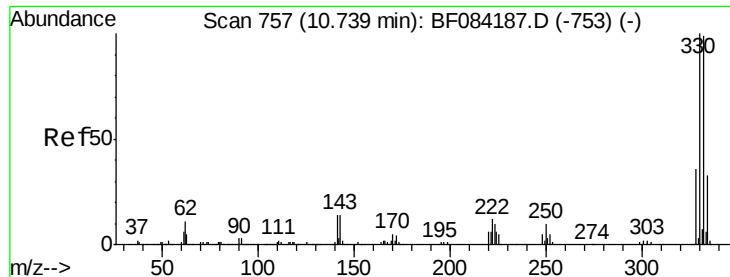
Tgt Ion: 164 Resp: 455962

Ion	Ratio	Lower	Upper
164	100		
162	102.1	85.1	127.7
160	46.5	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

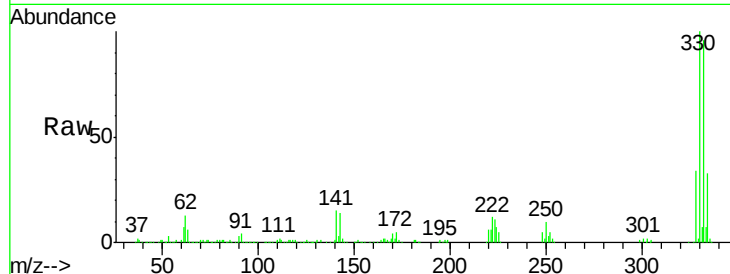




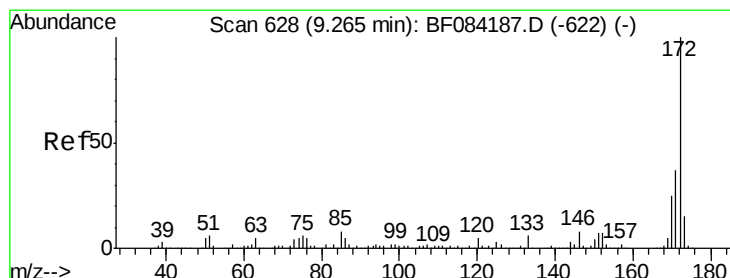
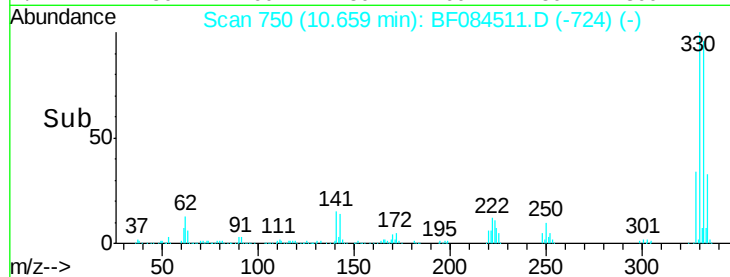
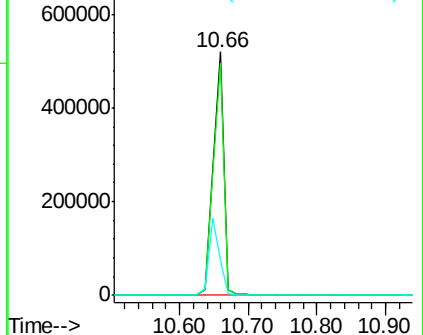
#41
 2,4,6-Tribromophenol
 Concen: 123.76 ng
 RT: 10.66 min Scan# 750
 Delta R.T. -0.00 min
 Lab File: BF084511.D
 Acq: 16 Jan 2016 1:09

Instrument :
 BNA_F
 ClientSampleId :
 Composite

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.7	76.6	114.8
141	31.6	27.8	41.6

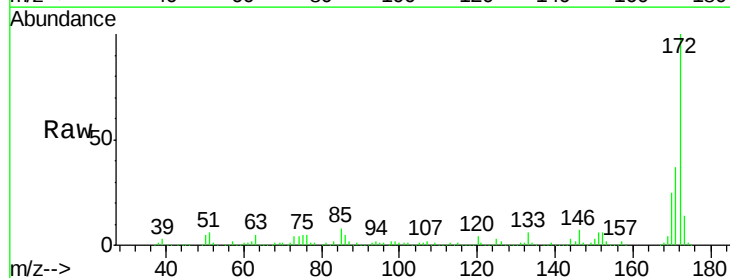


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

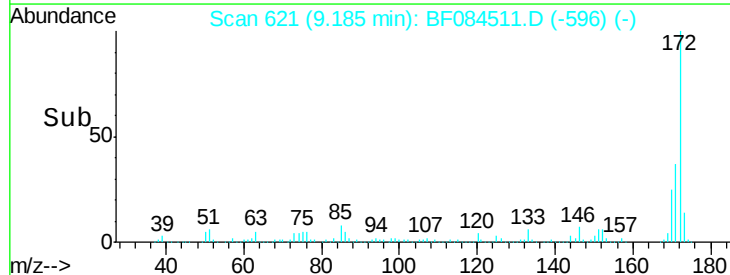
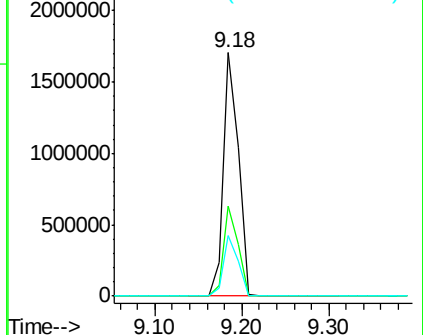


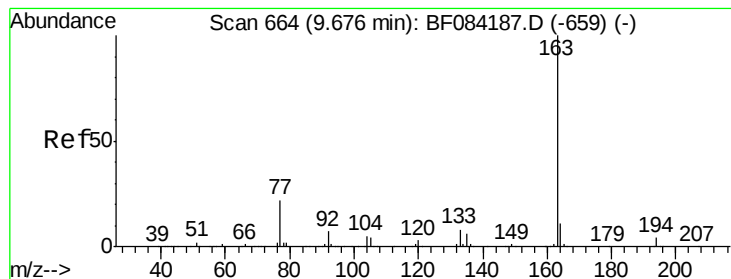
#44
 2-Fluorobiphenyl
 Concen: 79.47 ng
 RT: 9.18 min Scan# 621
 Delta R.T. -0.01 min
 Lab File: BF084511.D
 Acq: 16 Jan 2016 1:09

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.8	28.9	43.3
170	25.0	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: 16.52 ng

RT: 9.58 min Scan# 656

Delta R.T. -0.01 min

Lab File: BF084511.D

Acq: 16 Jan 2016 1:09

Instrument :

BNA_F

ClientSampleId :

Composite

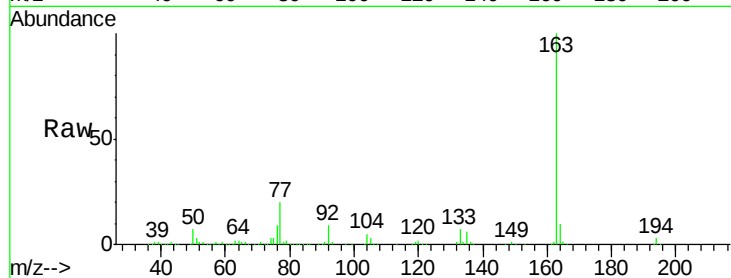
Tot Ion:163 Resp: 538438

Ion Ratio Lower Upper

163 100

194 3.1 8.0 12.0#

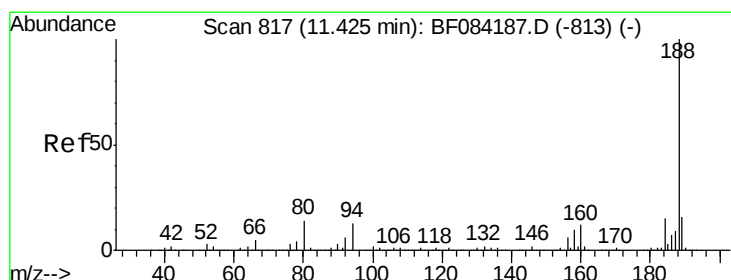
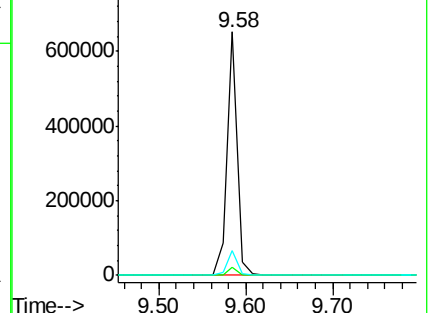
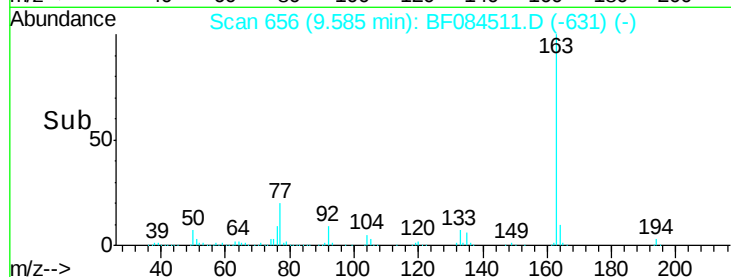
164 10.3 8.0 12.0



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: 11.34 min Scan# 810

Delta R.T. -0.00 min

Lab File: BF084511.D

Acq: 16 Jan 2016 1:09

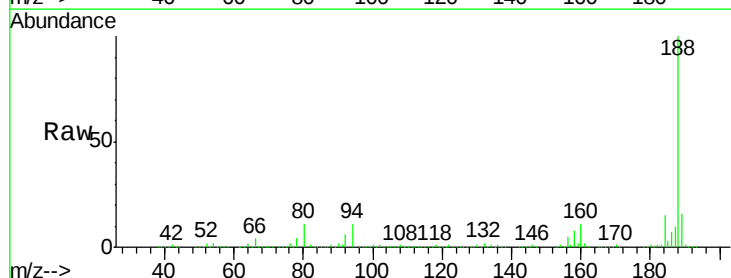
Tgt Ion:188 Resp: 807211

Ion Ratio Lower Upper

188 100

94 10.7 9.0 13.4

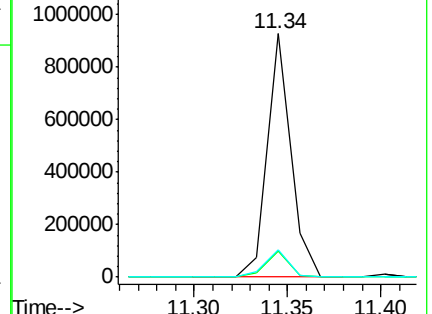
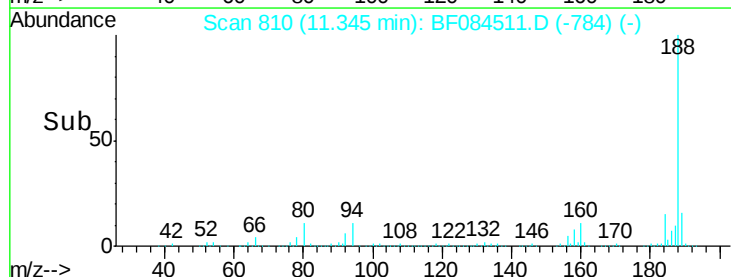
80 11.4 9.6 14.4

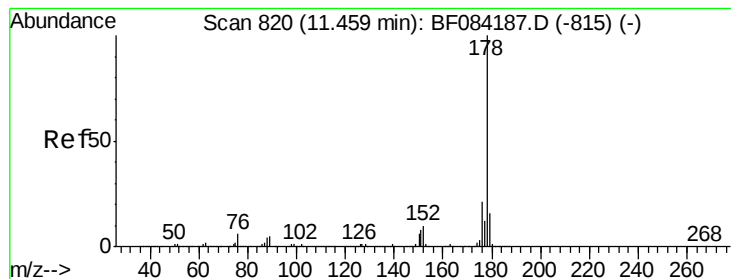


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#70

Phenanthrene

Concen: 5.39 ng

RT: 11.37 min Scan# 812

Delta R.T. -0.01 min

Lab File: BF084511.D

Acq: 16 Jan 2016 1:09

Instrument :

BNA_F

ClientSampleId :

Composite

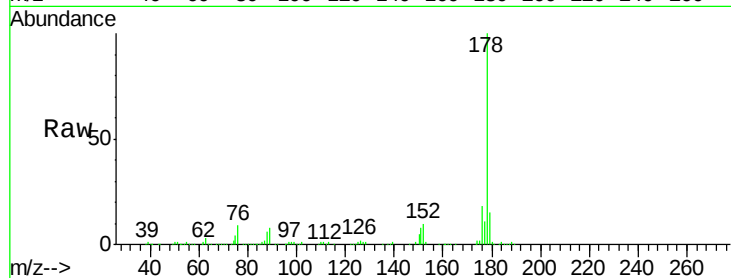
Tot Ion:178 Resp: 227525

Ion Ratio Lower Upper

178 100

176 18.5 15.3 22.9

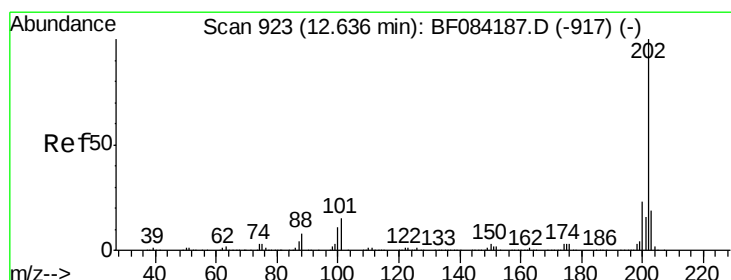
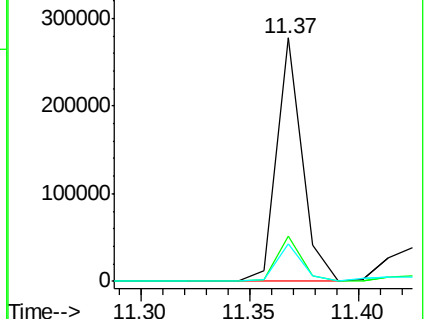
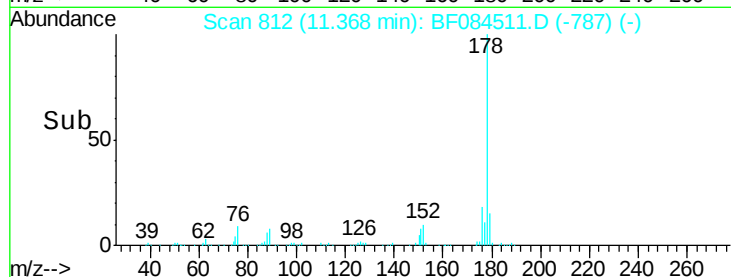
179 15.5 12.0 18.0



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: 7.50 ng

RT: 12.56 min Scan# 916

Delta R.T. -0.00 min

Lab File: BF084511.D

Acq: 16 Jan 2016 1:09

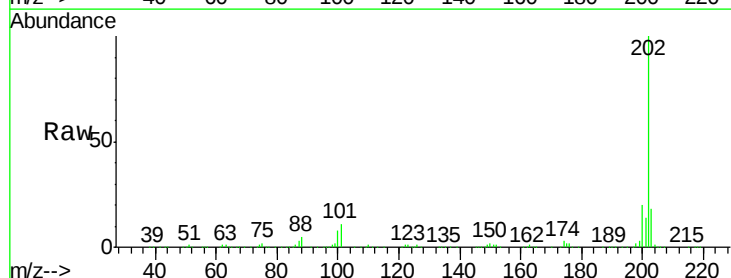
Tgt Ion:202 Resp: 330667

Ion Ratio Lower Upper

202 100

101 10.6 0.0 32.8

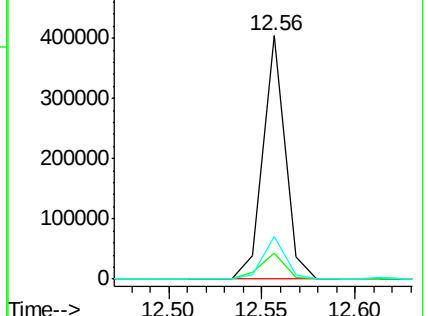
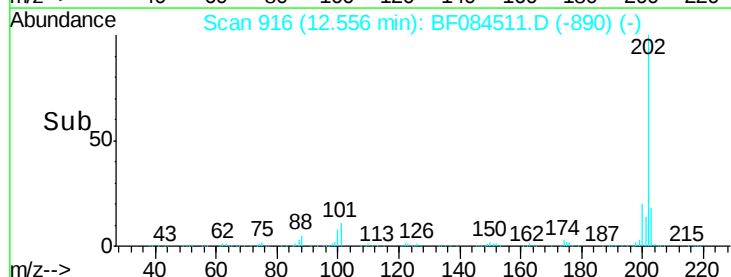
203 17.6 0.0 37.9

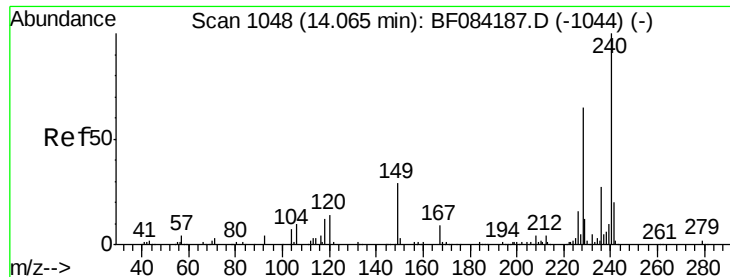


Abundance Ion 202.00 (201.70 to 202.70): E

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: 13.99 min Scan# 1041

Delta R.T. -0.00 min

Lab File: BF084511.D

Acq: 16 Jan 2016 1:09

Instrument :

BNA_F

ClientSampleId :

Composite

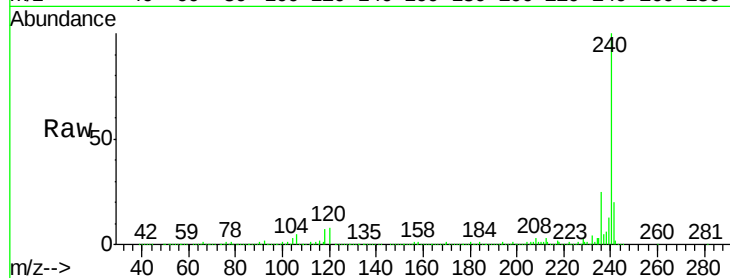
Tot Ion:240 Resp: 618980

Ion Ratio Lower Upper

240 100

120 8.4 9.5 14.3#

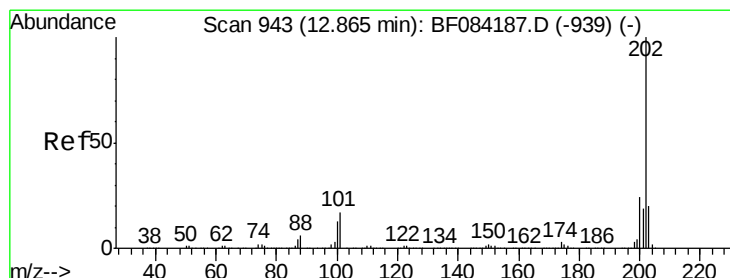
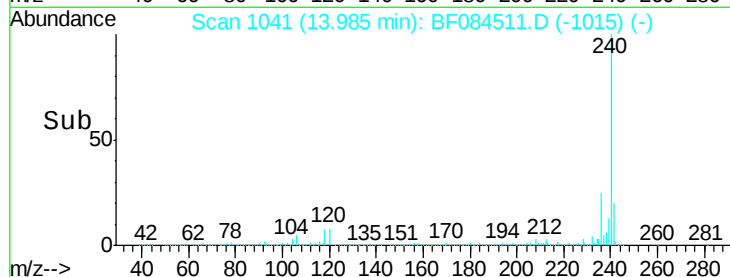
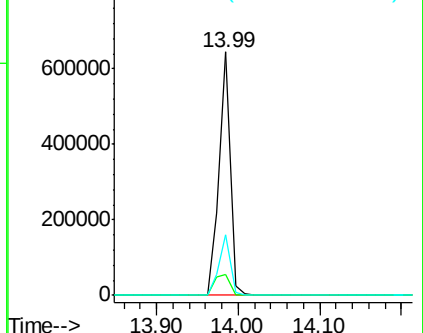
236 24.9 20.6 31.0



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: 6.41 ng

RT: 12.79 min Scan# 936

Delta R.T. -0.00 min

Lab File: BF084511.D

Acq: 16 Jan 2016 1:09

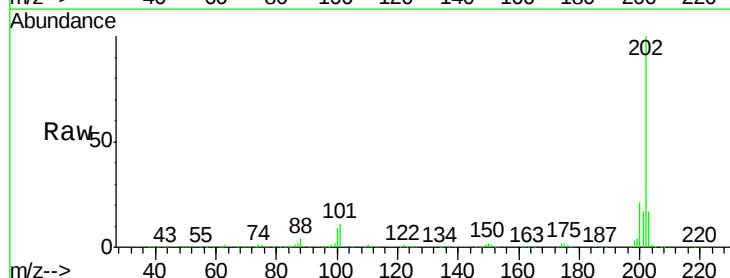
Tgt Ion:202 Resp: 311531

Ion Ratio Lower Upper

202 100

200 21.4 17.2 25.8

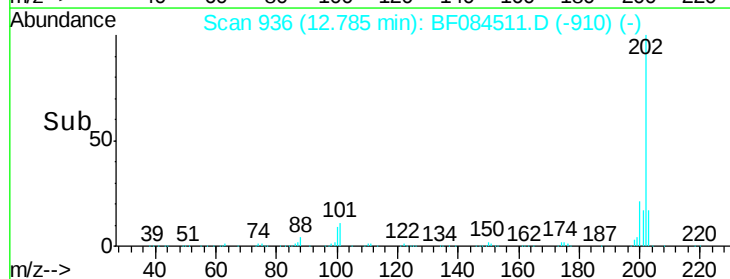
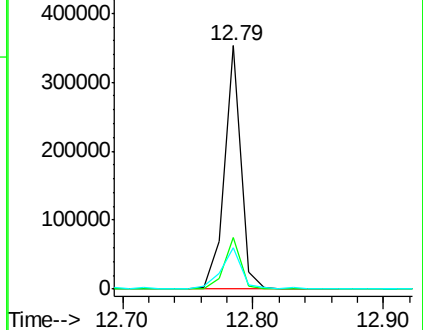
203 17.1 14.3 21.5

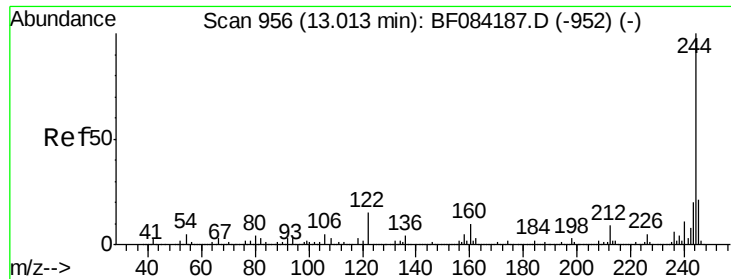


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

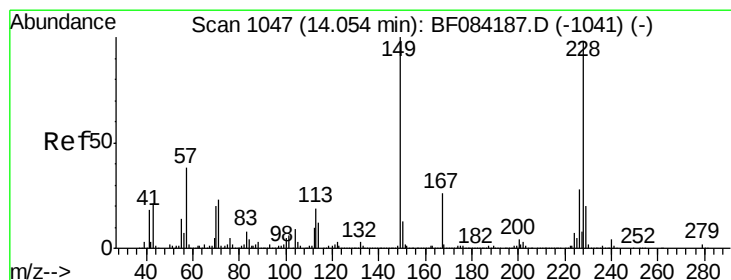
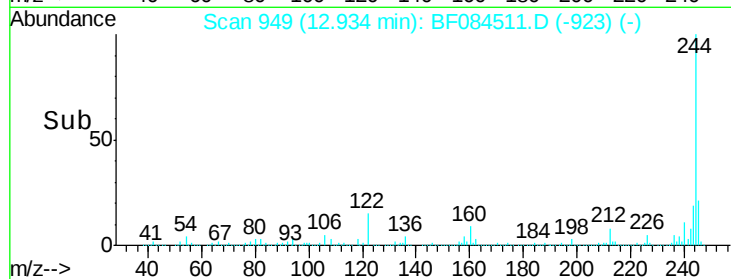
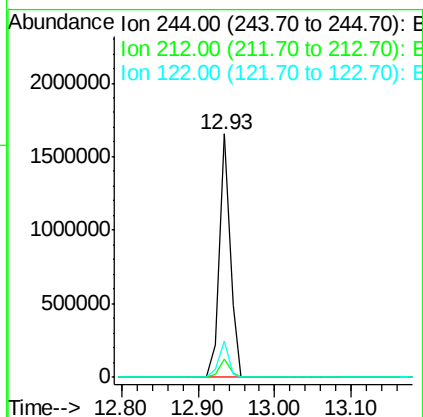
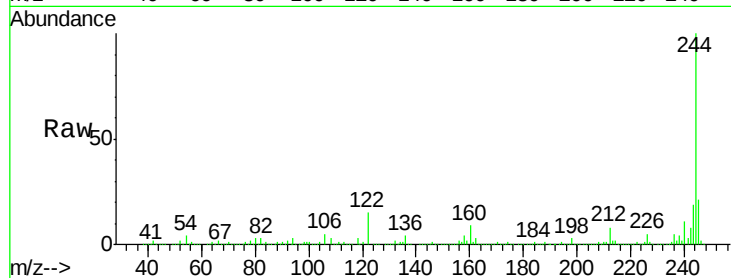




#78
 Terphenyl-d14
 Concen: 58.95 ng
 RT: 12.93 min Scan# 949
 Delta R.T. -0.00 min
 Lab File: BF084511.D
 Acq: 16 Jan 2016 1:09

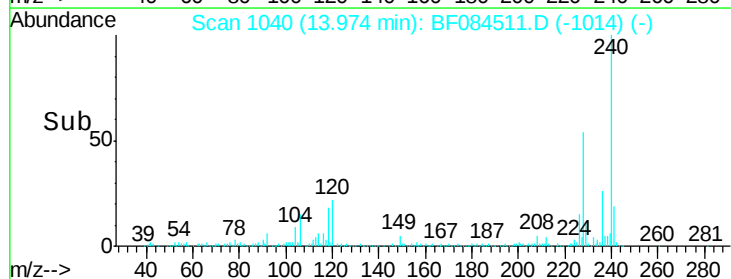
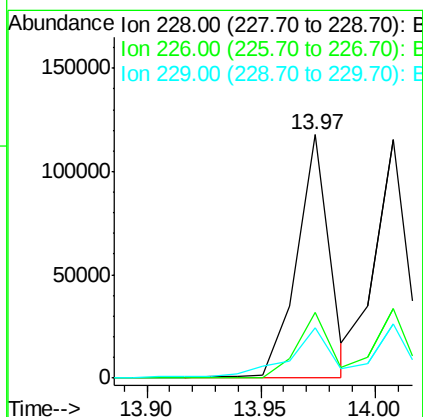
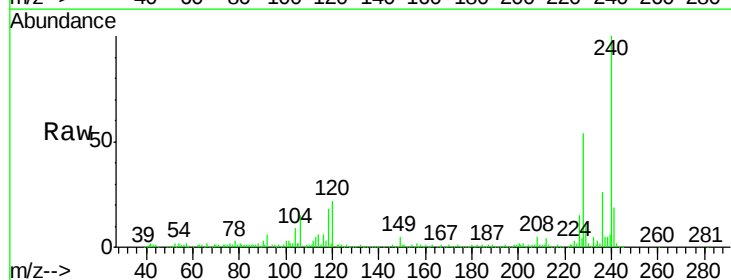
Instrument :
 BNA_F
 ClientSampleId :
 Composite

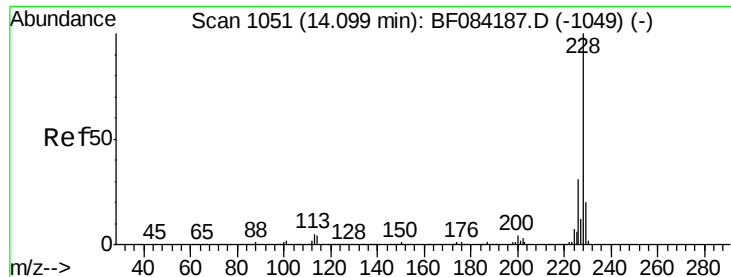
Tot Ion:244 Resp: 1634568
 Ion Ratio Lower Upper
 244 100
 212 7.7 5.7 8.5
 122 14.7 7.4 11.0#



#80
 Benzo(a)anthracene
 Concen: 3.26 ng m
 RT: 13.97 min Scan# 1040
 Delta R.T. -0.00 min
 Lab File: BF084511.D
 Acq: 16 Jan 2016 1:09

Tgt Ion:228 Resp: 118583
 Ion Ratio Lower Upper
 228 100
 226 27.1 21.8 32.6
 229 20.6 15.8 23.8

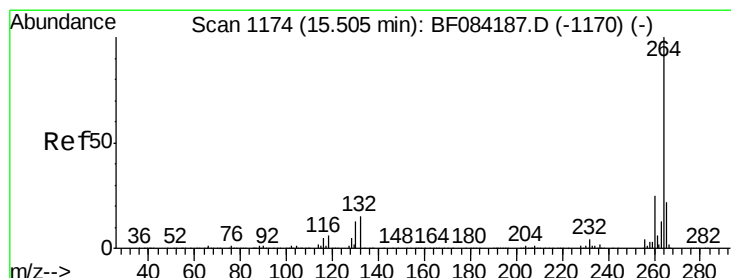
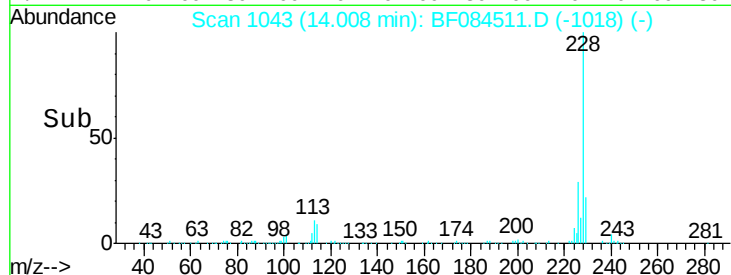
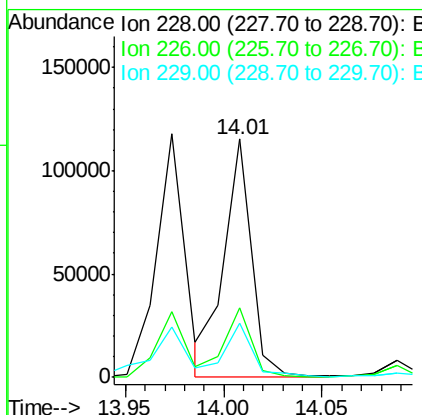
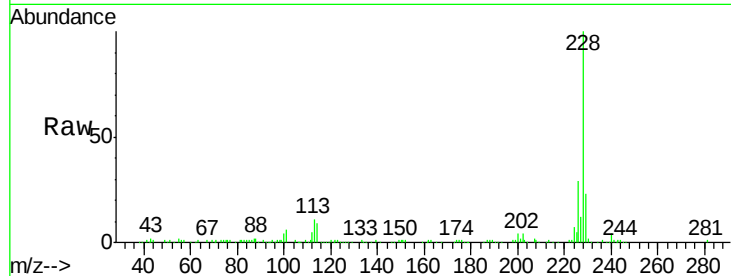




#82
Chrysene
Concen: 3.23 ng/ml
RT: 14.01 min Scan# 1043
Delta R.T. -0.01 min
Lab File: BF084511.D
Acq: 16 Jan 2016 1:09

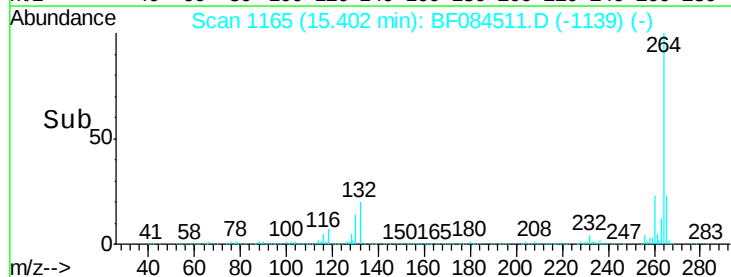
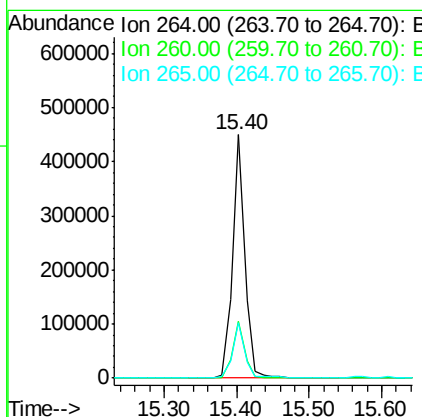
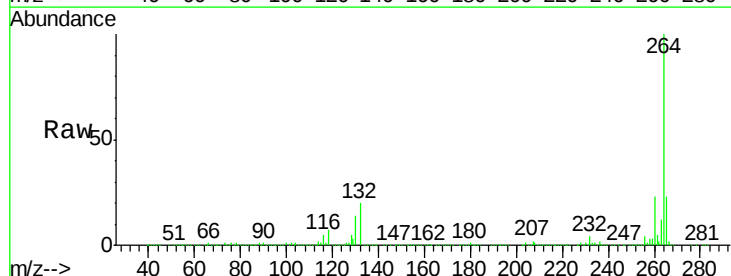
Instrument :
BNA_F
ClientSampleId :
Composite

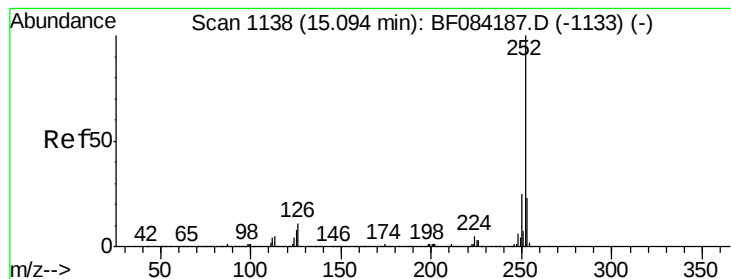
Tot Ion:228 Resp: 112766
Ion Ratio Lower Upper
228 100
226 29.2 24.3 36.5
229 22.8 16.1 24.1



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.40 min Scan# 1165
Delta R.T. -0.00 min
Lab File: BF084511.D
Acq: 16 Jan 2016 1:09

Tgt Ion:264 Resp: 531042
Ion Ratio Lower Upper
264 100
260 23.4 19.4 29.2
265 22.6 17.8 26.6





#87

Benzo(b)fluoranthene

Concen: 3.70 ng

RT: 15.00 min Scan# 1130

Delta R.T. -0.00 min

Lab File: BF084511.D

Acq: 16 Jan 2016 1:09

Instrument :

BNA_F

ClientSampleId :

Composite

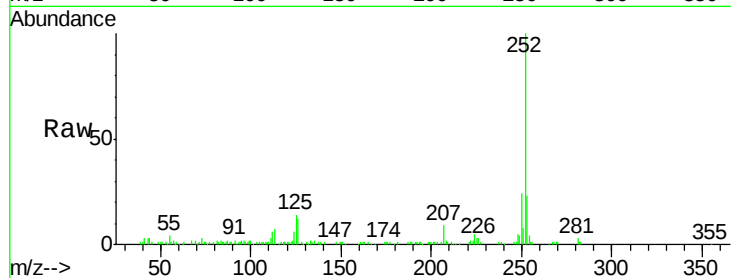
Tot Ion:252 Resp: 128538

Ion Ratio Lower Upper

252 100

253 23.1 17.3 25.9

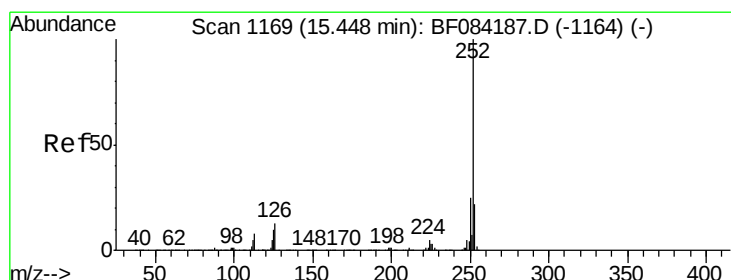
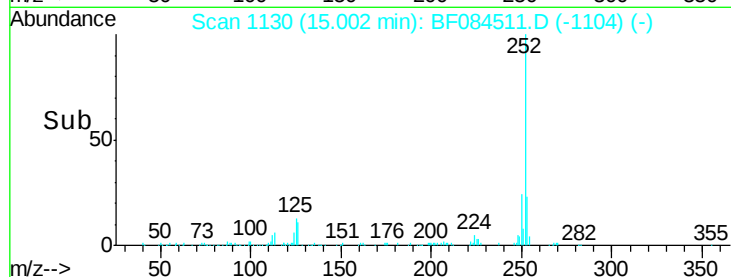
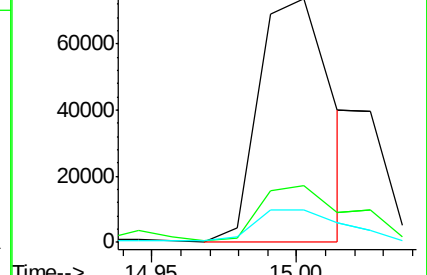
125 13.5 6.5 9.7#



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: 2.95 ng

RT: 15.35 min Scan# 1160

Delta R.T. -0.00 min

Lab File: BF084511.D

Acq: 16 Jan 2016 1:09

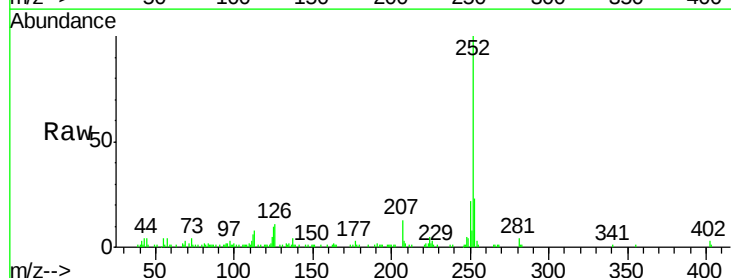
Tgt Ion:252 Resp: 87001

Ion Ratio Lower Upper

252 100

253 23.4 17.3 25.9

125 9.8 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

