

Data Path : Z:\HPCHEM1\BNA F\DATA\BF011316\
 Data File : BF084483.D
 Acq On : 14 Jan 2016 11:31
 Operator : SJ/UM
 Sample : G4988-02DL 5X
 Misc :
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RX2DL

Quant Time: Jan 14 16:44:45 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF123115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jan 14 14:15:52 2016
 Response via : Initial Calibration

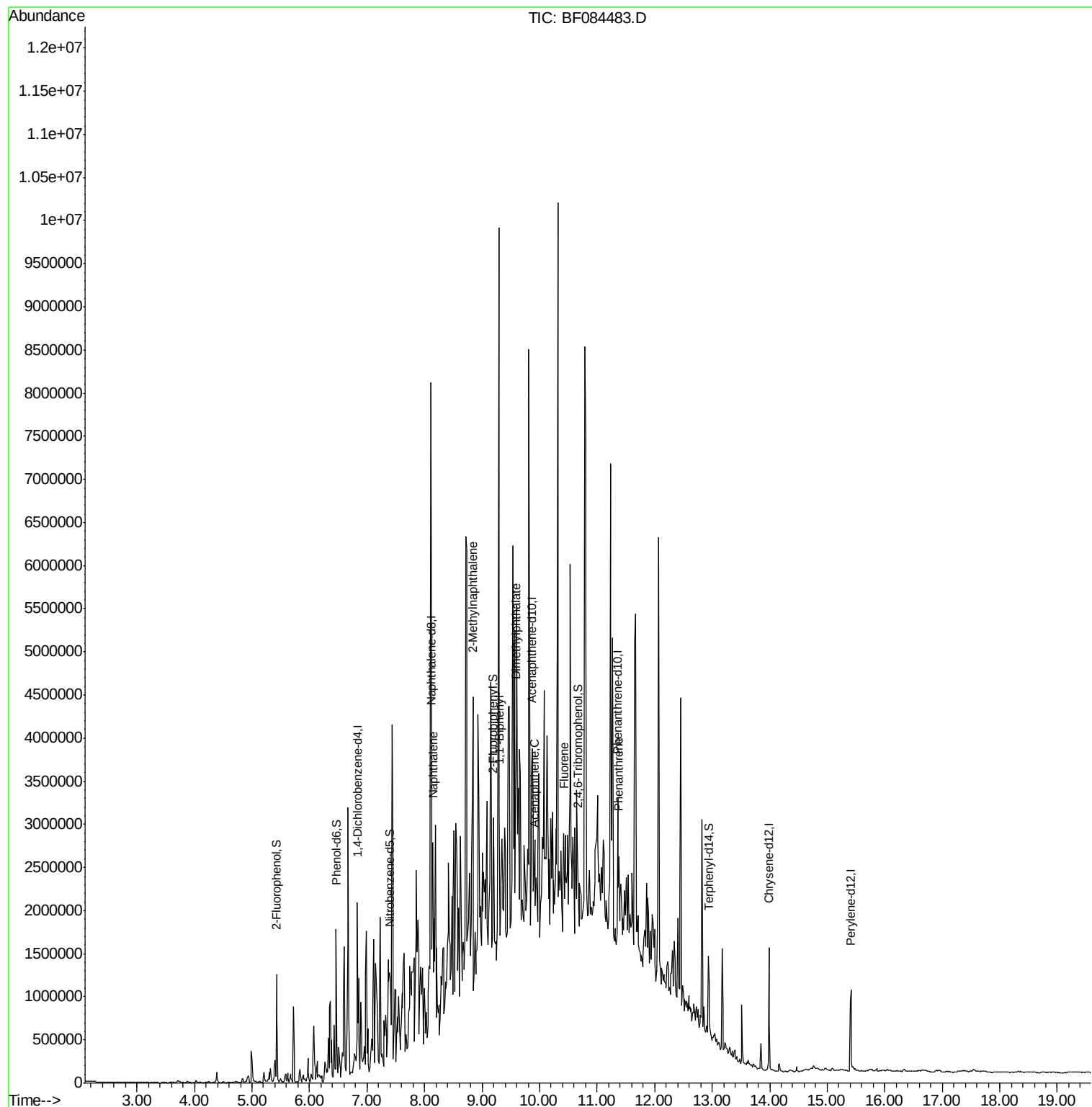
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	252641	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	943902	20.00	ng	0.00
38) Acenaphthene-d10	9.87	164	387716	20.00	ng	0.00
63) Phenanthrene-d10	11.36	188	627930	20.00	ng	0.00
75) Chrysene-d12	13.99	240	528297	20.00	ng	-0.01
86) Perylene-d12	15.41	264	506963	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	410871	26.30	ng	-0.01
7) Phenol-d6	6.46	99	521292	26.57	ng	-0.01
23) Nitrobenzene-d5	7.39	82	303099	17.87	ng	-0.01
41) 2,4,6-Tribromophenol	10.66	330	65033	16.61	ng	-0.01
44) 2-Fluorobiphenyl	9.20	172	494730	17.42	ng	0.00
78) Terphenyl-d14	12.93	244	317772	13.43	ng	-0.01
Target Compounds						Qvalue
31) Naphthalene	8.14	128	657977	15.36	ng	97
37) 2-Methylnaphthalene	8.84	142	1237938	40.27	ng	98
45) 1,1'-Biphenyl	9.30	154	142224	4.62	ng	99
49) Dimethylphthalate	9.60	163	72212	2.61	ng	# 94
51) Acenaphthene	9.90	154	69465	2.90	ng	94
57) Fluorene	10.42	166	130581	3.23	ng	# 83
70) Phenanthrene	11.38	178	379206	11.55	ng	# 96

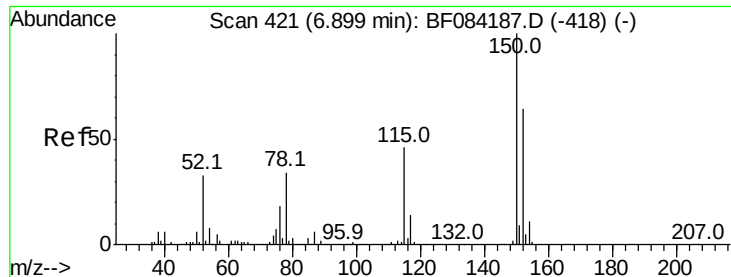
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jan 14 14:15:52 2016
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.83 min Scan# 415

Delta R.T. 0.00 min

Lab File: BF084483.D

Acq: 14 Jan 2016 11:31

Instrument :

BNA_F

ClientSampleId :

RX2DL

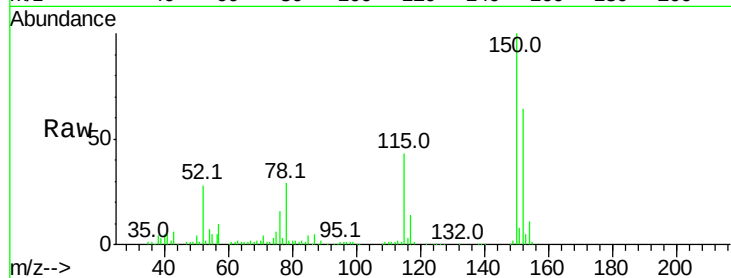
Tot Ion:152 Resp: 252641

Ion Ratio Lower Upper

152 100

150 156.8 123.0 184.4

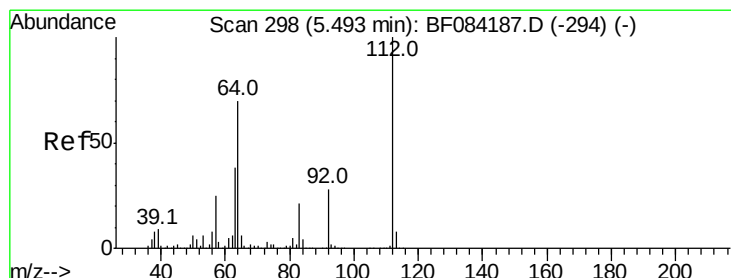
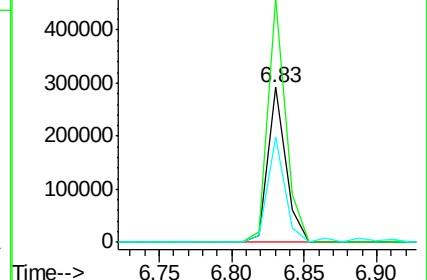
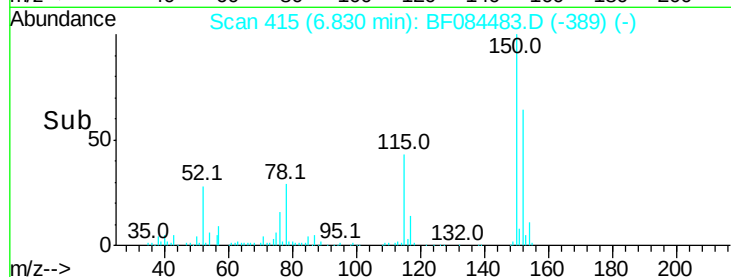
115 67.8 51.4 77.2



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: 26.30 ng

RT: 5.42 min Scan# 292

Delta R.T. -0.01 min

Lab File: BF084483.D

Acq: 14 Jan 2016 11:31

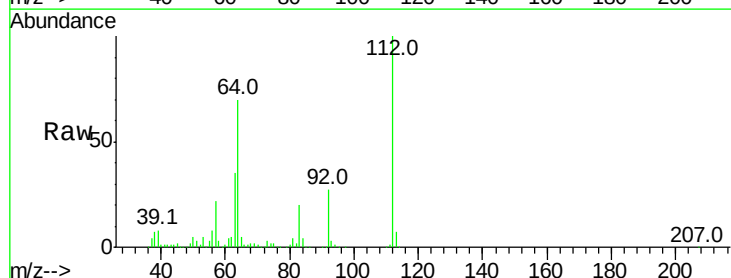
Tgt Ion:112 Resp: 410871

Ion Ratio Lower Upper

112 100

64 70.0 36.6 55.0#

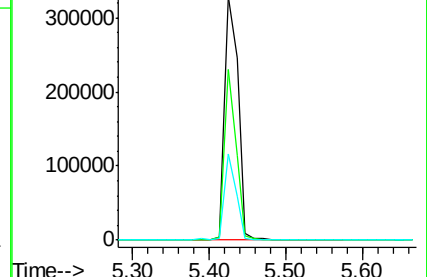
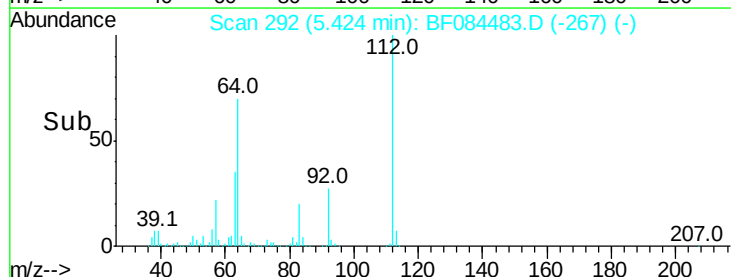
63 35.4 19.4 29.0#

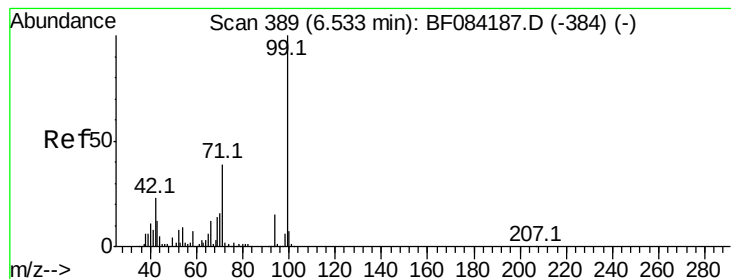


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 26.57 ng

RT: 6.46 min Scan# 383

Delta R.T. -0.01 min

Lab File: BF084483.D

Acq: 14 Jan 2016 11:31

Instrument :

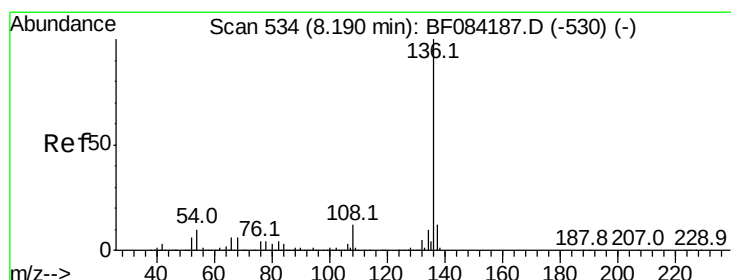
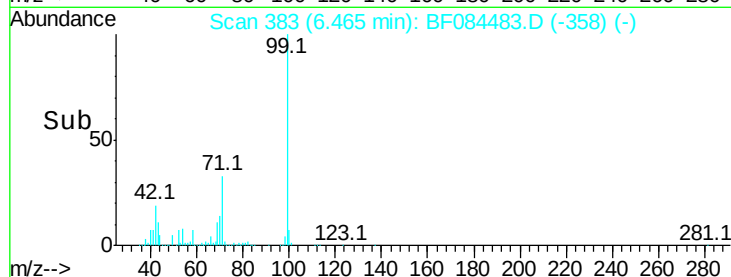
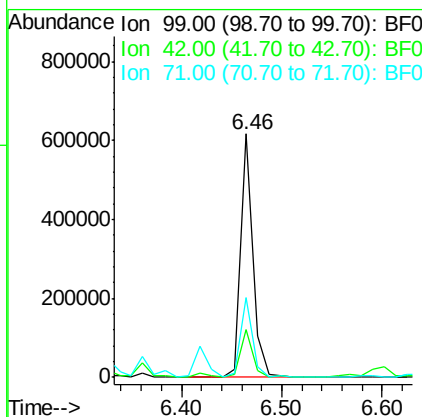
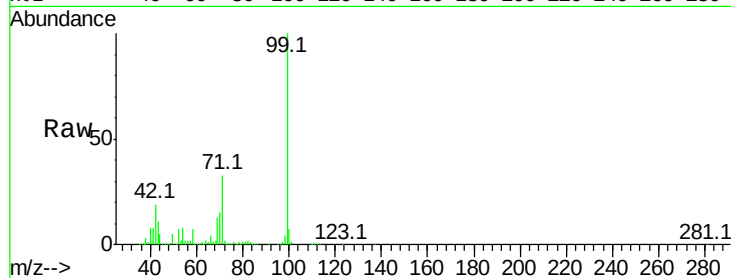
BNA_F

ClientSampleId :

RX2DL

Tot Ion: 99 Resp: 521292

Ion	Ratio	Lower	Upper
99	100		
42	19.4	12.8	19.2#
71	33.0	30.9	46.3



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.12 min Scan# 528

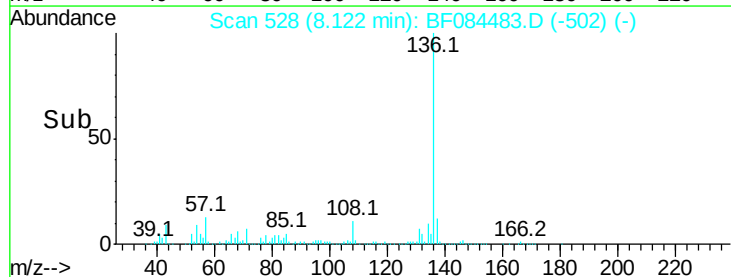
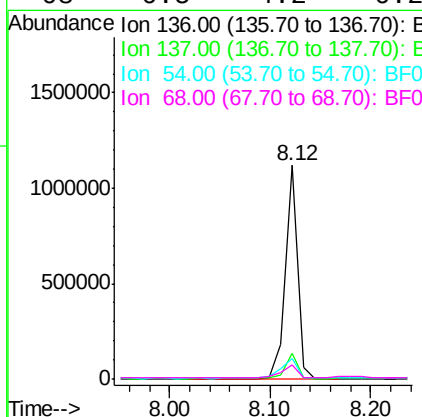
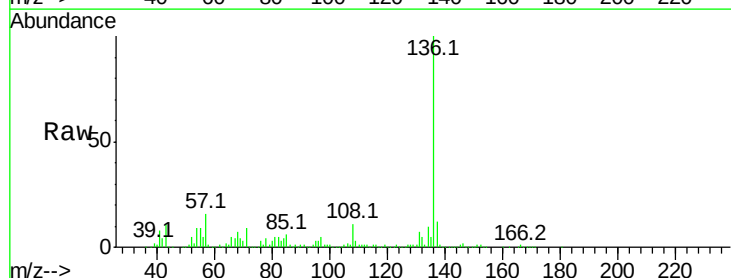
Delta R.T. 0.00 min

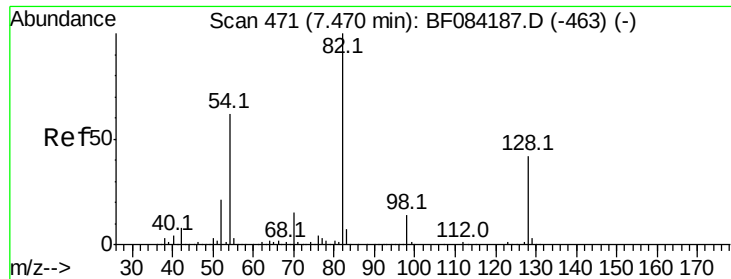
Lab File: BF084483.D

Acq: 14 Jan 2016 11:31

Tgt Ion: 136 Resp: 943902

Ion	Ratio	Lower	Upper
136	100		
137	11.8	8.7	13.1
54	9.4	5.8	8.8#
68	6.5	4.2	6.2#

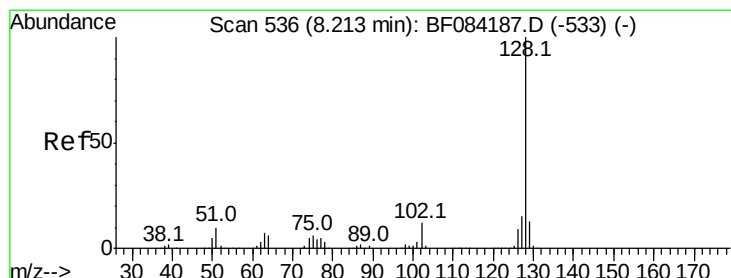
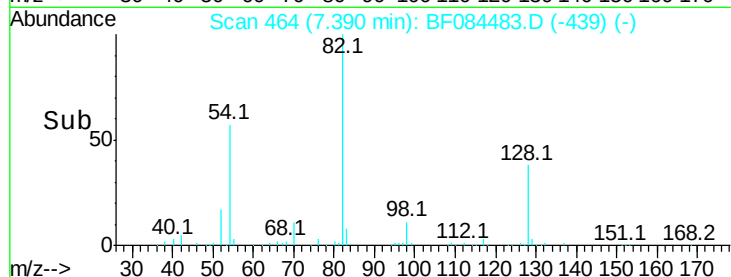
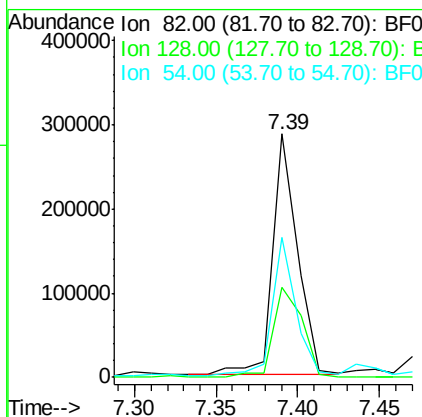
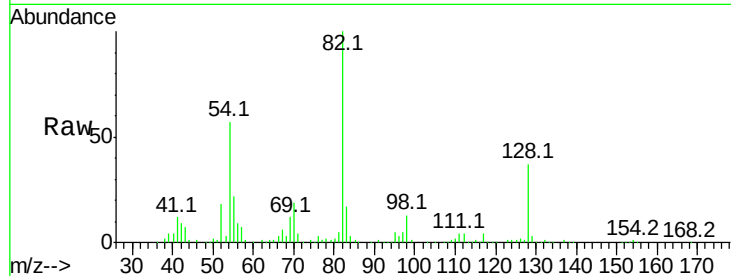




#23
 Nitrobenzene-d5
 Concen: 17.87 ng
 RT: 7.39 min Scan# 464
 Delta R.T. -0.01 min
 Lab File: BF084483.D
 Acq: 14 Jan 2016 11:31

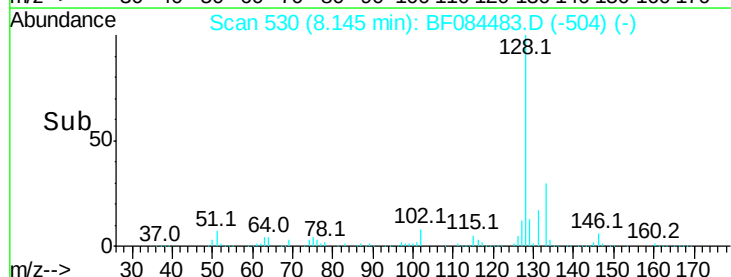
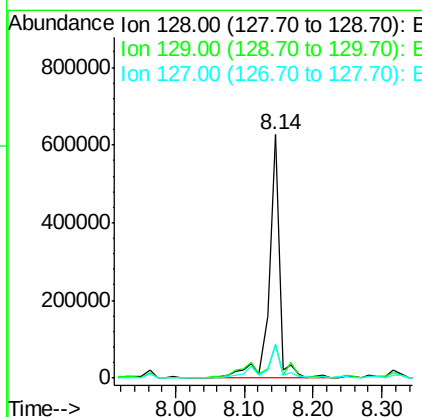
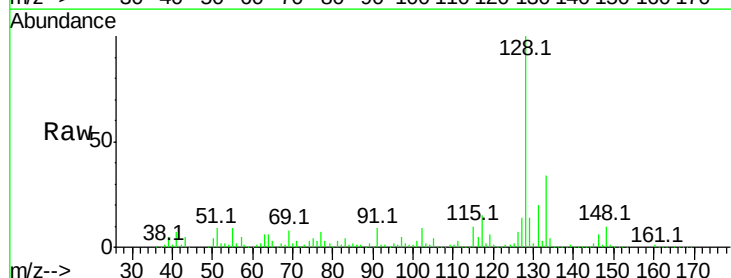
Instrument :
 BNA_F
 ClientSampleId :
 RX2DL

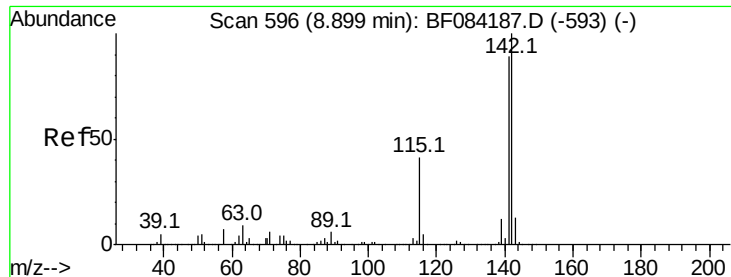
Tot Ion:	82	Resp:	303099
Ion	Ratio	Lower	Upper
82	100		
128	37.2	34.6	51.8
54	57.4	38.4	57.6



#31
 Naphthalene
 Concen: 15.36 ng
 RT: 8.14 min Scan# 530
 Delta R.T. 0.00 min
 Lab File: BF084483.D
 Acq: 14 Jan 2016 11:31

Tgt Ion:	128	Resp:	657977
Ion	Ratio	Lower	Upper
128	100		
129	13.6	9.1	13.7
127	13.8	11.1	16.7

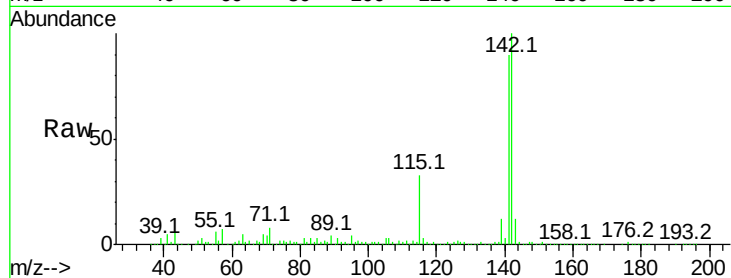




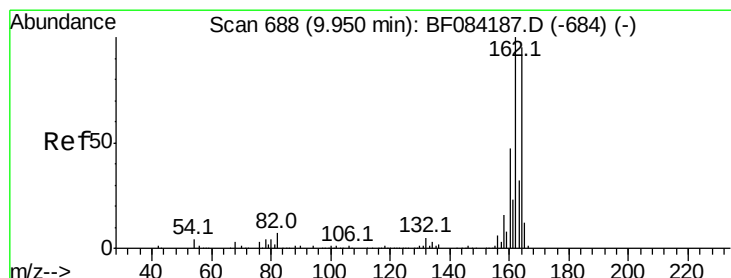
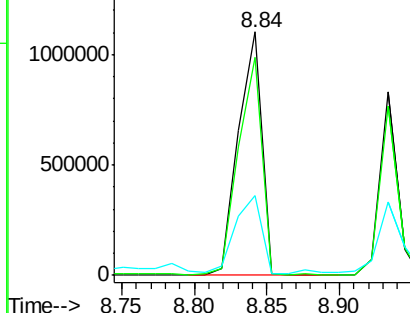
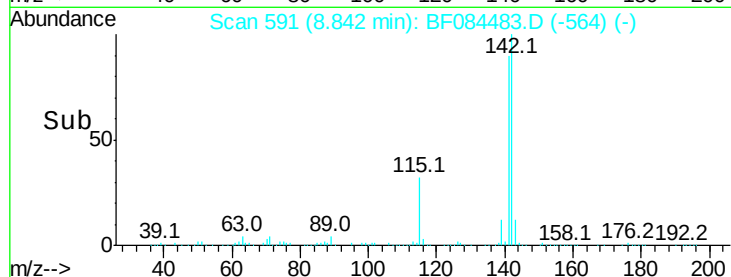
#37
2-Methylnaphthalene
Concen: 40.27 ng
RT: 8.84 min Scan# 591
Delta R.T. 0.01 min
Lab File: BF084483.D
Acq: 14 Jan 2016 11:31

Instrument :
BNA_F
ClientSampled :
RX2DL

Tot Ion:142 Resp: 1237938
Ion Ratio Lower Upper
142 100
141 89.7 72.4 108.6
115 33.0 27.9 41.9

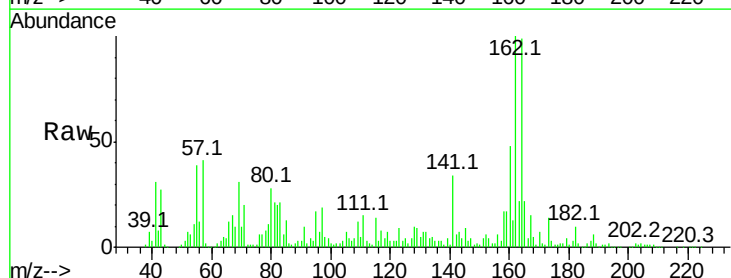


Abundance Ion 142.00 (141.70 to 142.70): E
1500000 Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

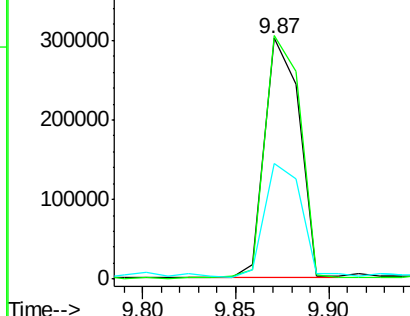
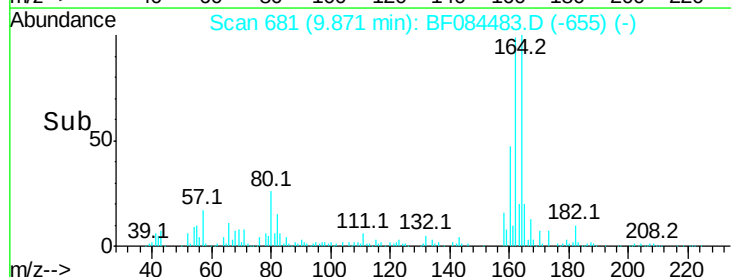


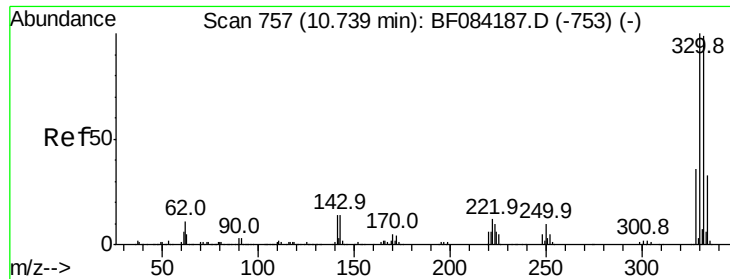
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.87 min Scan# 681
Delta R.T. 0.00 min
Lab File: BF084483.D
Acq: 14 Jan 2016 11:31

Tgt Ion:164 Resp: 387716
Ion Ratio Lower Upper
164 100
162 101.0 85.1 127.7
160 48.0 37.5 56.3



Abundance Ion 164.00 (163.70 to 164.70): E
400000 Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

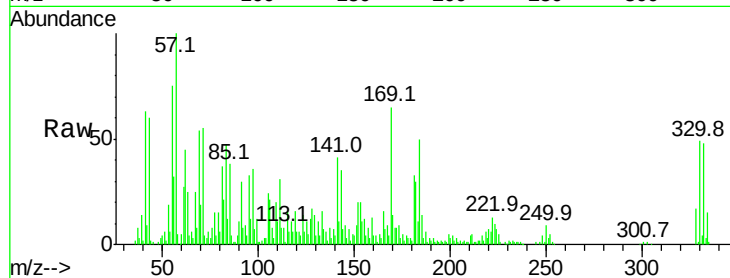




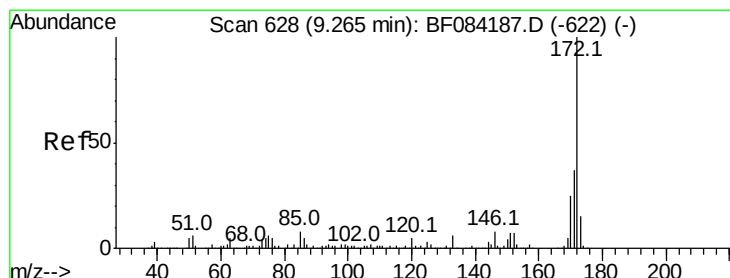
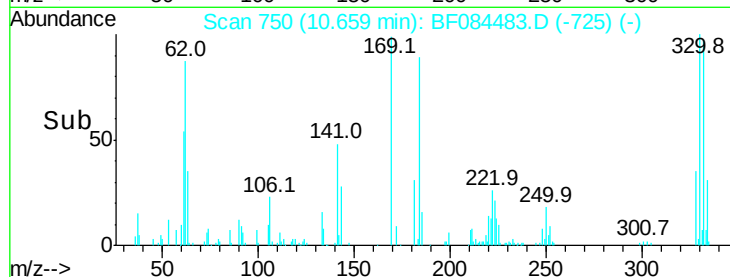
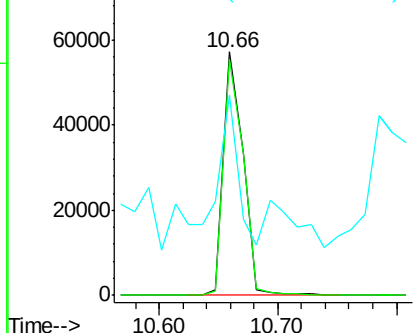
#41
 2,4,6-Tribromophenol
 Concen: 16.61 ng
 RT: 10.66 min Scan# 750
 Delta R.T. -0.01 min
 Lab File: BF084483.D
 Acq: 14 Jan 2016 11:31

Instrument :
 BNA_F
 ClientSampleId :
 RX2DL

Tot Ion:330 Resp: 65033
 Ion Ratio Lower Upper
 330 100
 332 97.8 76.6 114.8
 141 59.0 27.8 41.6#

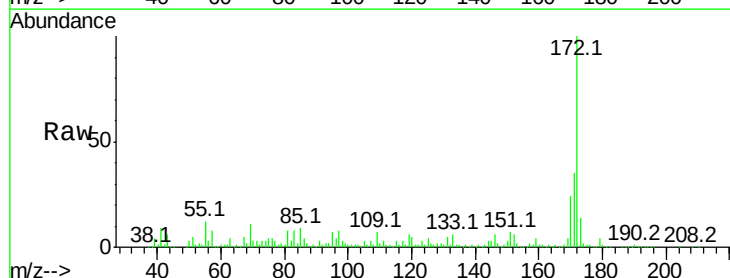


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

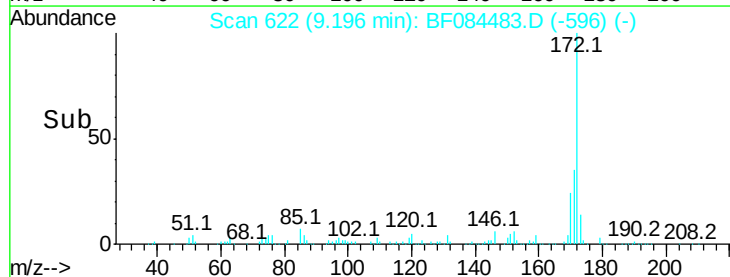
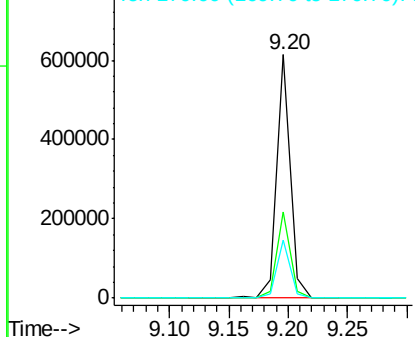


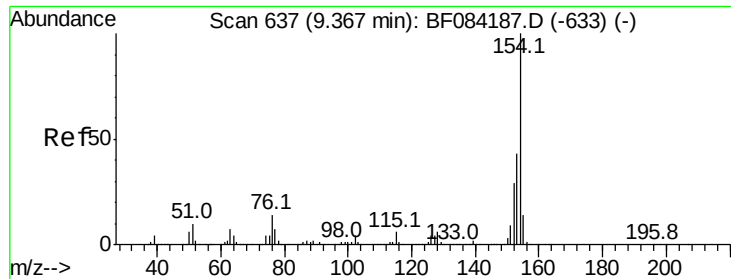
#44
 2-Fluorobiphenyl
 Concen: 17.42 ng
 RT: 9.20 min Scan# 622
 Delta R.T. 0.00 min
 Lab File: BF084483.D
 Acq: 14 Jan 2016 11:31

Tgt Ion:172 Resp: 494730
 Ion Ratio Lower Upper
 172 100
 171 35.3 28.9 43.3
 170 23.7 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





#45

1,1'-Biphenyl

Concen: 4.62 ng

RT: 9.30 min Scan# 631

Delta R.T. 0.00 min

Lab File: BF084483.D

Acq: 14 Jan 2016 11:31

Instrument :

BNA_F

ClientSampleId :

RX2DL

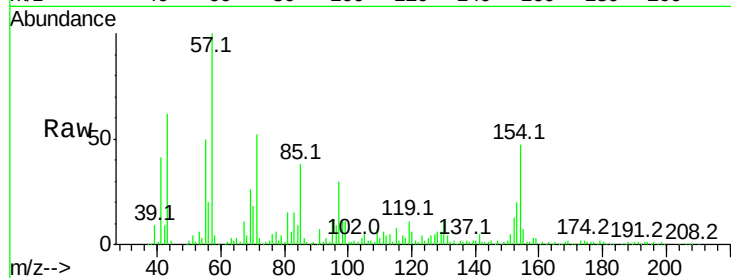
Tot Ion:154 Resp: 142224

Ion Ratio Lower Upper

154 100

153 41.6 21.6 61.6

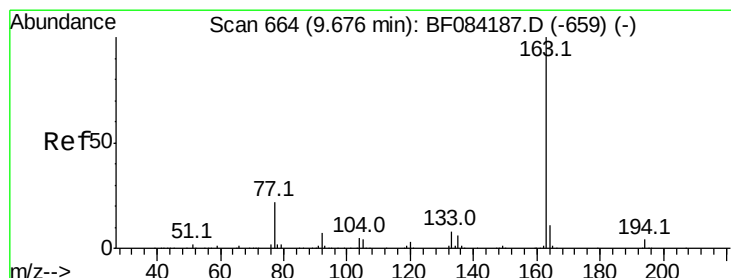
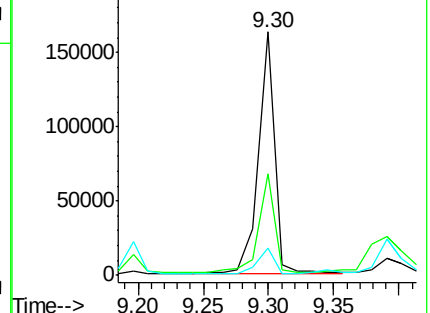
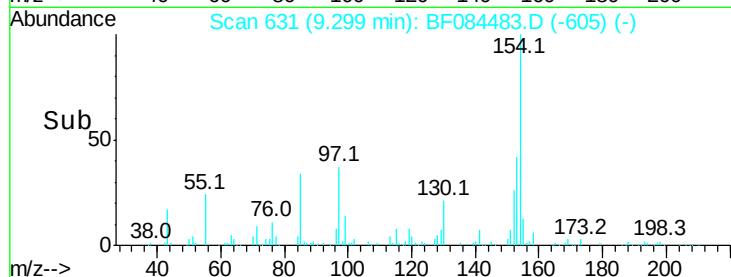
76 11.4 0.0 32.7



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF0



#49

Dimethylphthalate

Concen: 2.61 ng

RT: 9.60 min Scan# 657

Delta R.T. -0.01 min

Lab File: BF084483.D

Acq: 14 Jan 2016 11:31

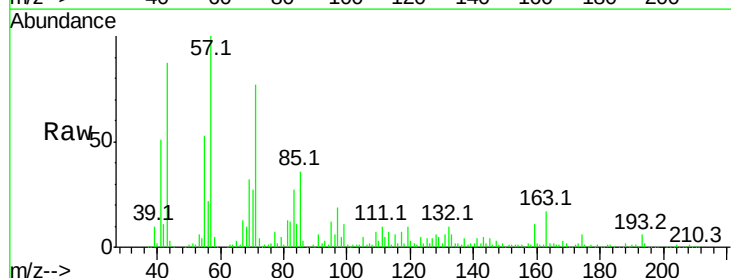
Tgt Ion:163 Resp: 72212

Ion Ratio Lower Upper

163 100

194 12.6 8.0 12.0#

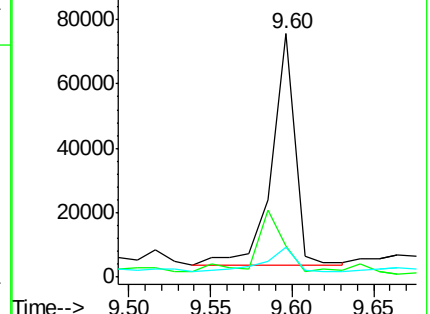
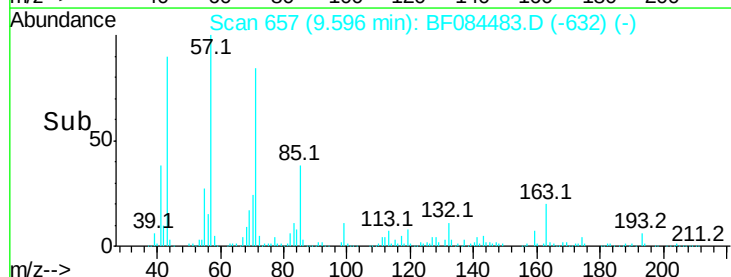
164 12.1 8.0 12.0#

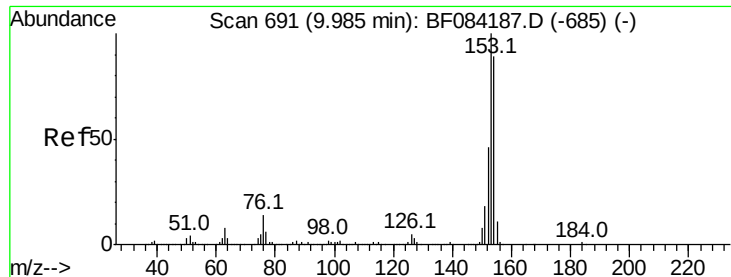


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#51

Acenaphthene

Concen: 2.90 ng

RT: 9.90 min Scan# 684

Delta R.T. 0.00 min

Lab File: BF084483.D

Acq: 14 Jan 2016 11:31

Instrument :

BNA_F

ClientSampleId :

RX2DL

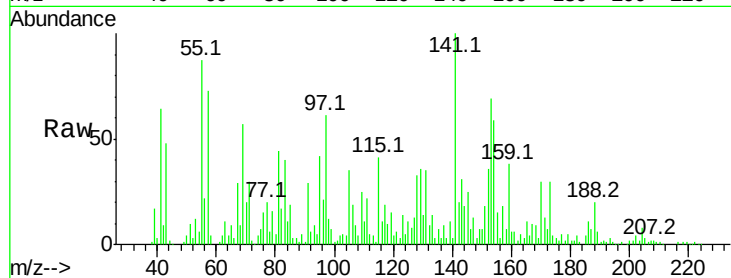
Tot Ion:154 Resp: 69465

Ion Ratio Lower Upper

154 100

153 117.8 91.5 137.3

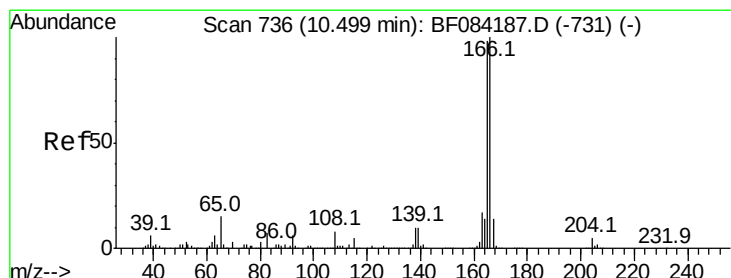
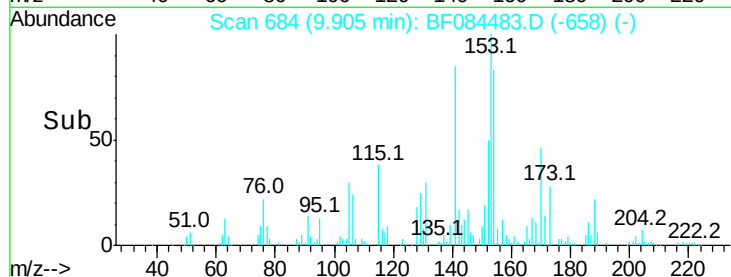
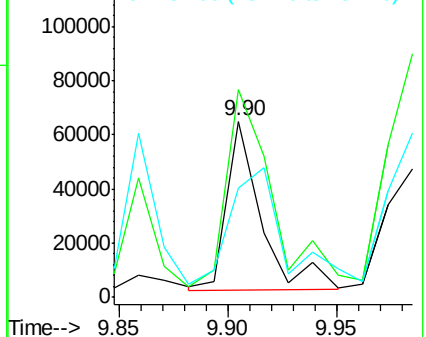
152 61.8 43.0 64.6



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#57

Fluorene

Concen: 3.23 ng

RT: 10.42 min Scan# 729

Delta R.T. 0.00 min

Lab File: BF084483.D

Acq: 14 Jan 2016 11:31

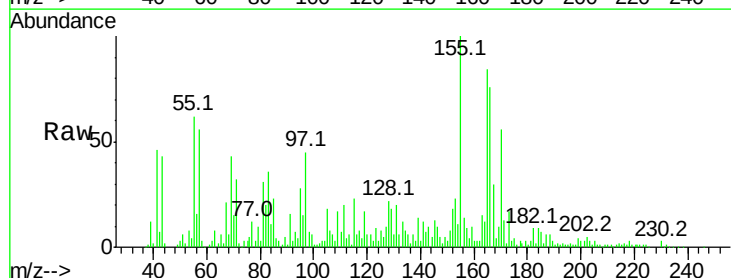
Tgt Ion:166 Resp: 130581

Ion Ratio Lower Upper

166 100

165 109.7 79.1 118.7

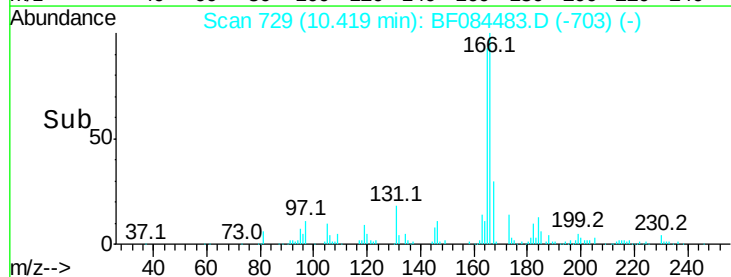
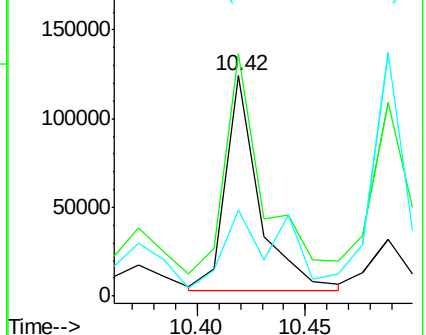
167 38.9 10.4 15.6#

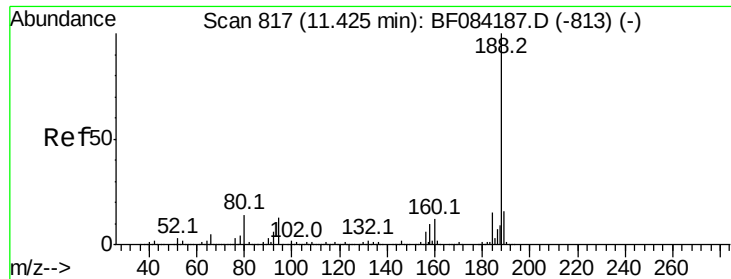


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.36 min Scan# 811

Delta R.T. 0.00 min

Lab File: BF084483.D

Acq: 14 Jan 2016 11:31

Instrument :

BNA_F

ClientSampleId :

RX2DL

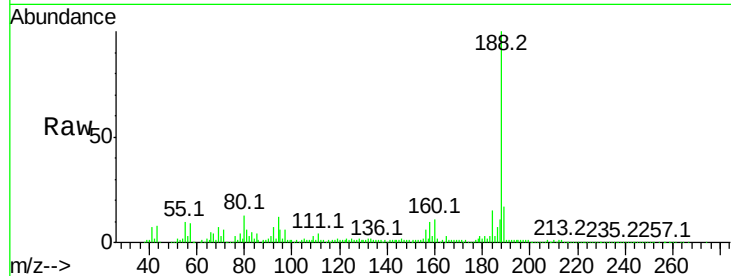
Tot Ion:188 Resp: 627930

Ion Ratio Lower Upper

188 100

94 12.1 9.0 13.4

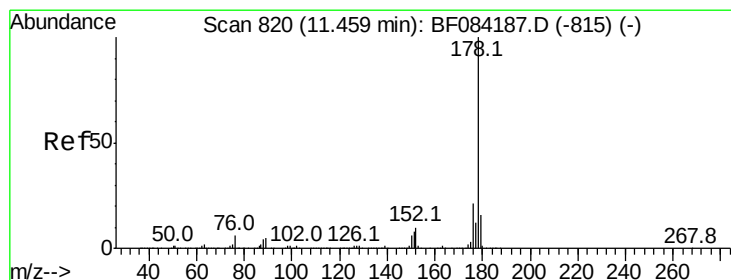
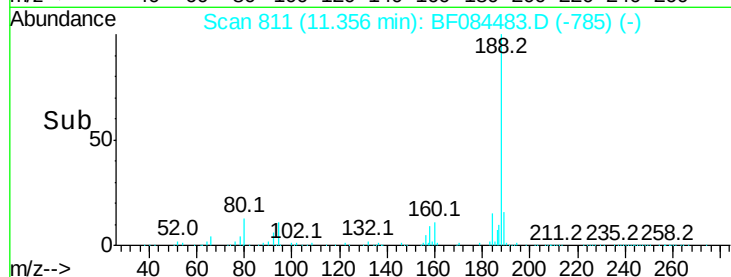
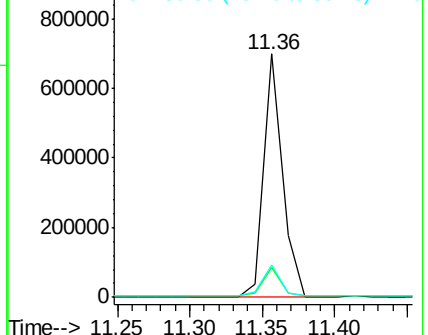
80 13.2 9.6 14.4



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: 11.55 ng

RT: 11.38 min Scan# 813

Delta R.T. 0.00 min

Lab File: BF084483.D

Acq: 14 Jan 2016 11:31

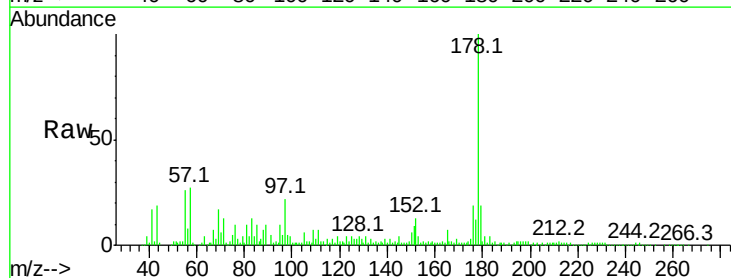
Tgt Ion:178 Resp: 379206

Ion Ratio Lower Upper

178 100

176 19.3 15.3 22.9

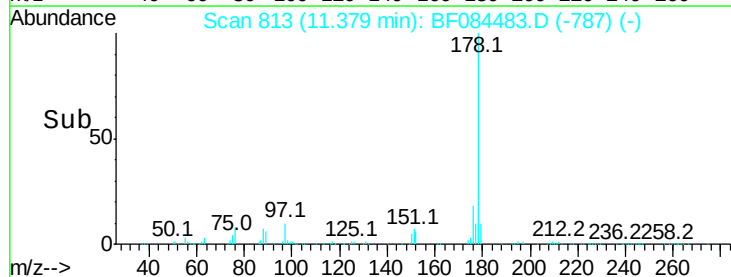
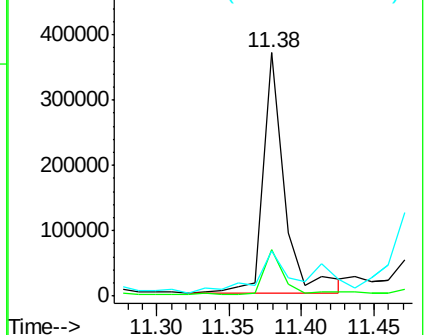
179 18.6 12.0 18.0#

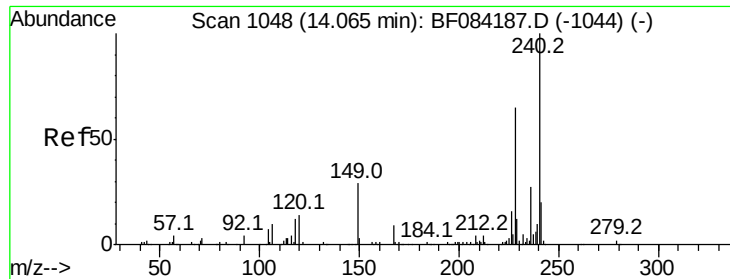


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Chrvsene-d12

Concen: 20.00 ng

RT: 13.99 min Scan# 1041

Delta R.T. -0.01 min

Lab File: BF084483.D

Acq: 14 Jan 2016 11:31

Instrument :

BNA_F

ClientSampleId :

RX2DL

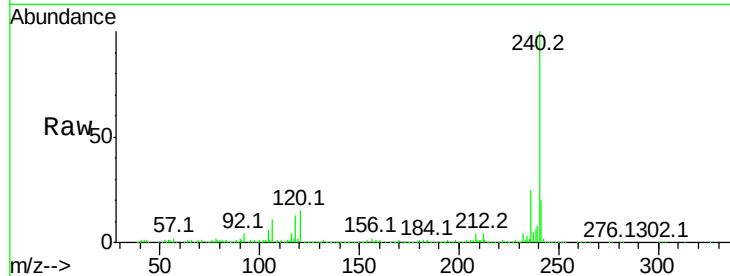
Tot Ion:240 Resp: 528297

Ion Ratio Lower Upper

240 100

120 15.1 9.5 14.3#

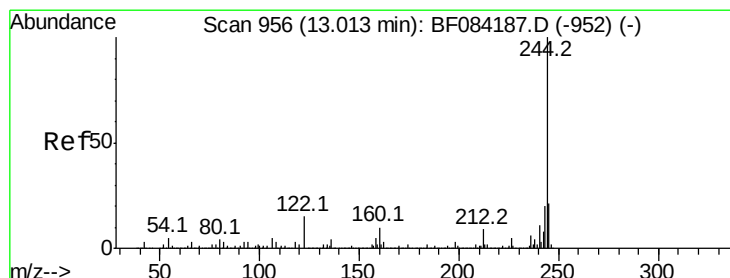
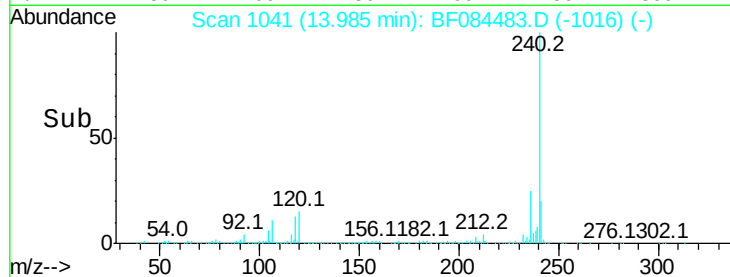
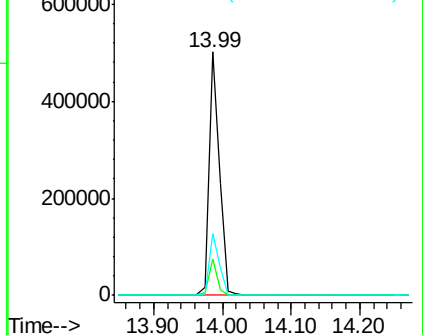
236 25.4 20.6 31.0



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



#78

Terphenyl-d14

Concen: 13.43 ng

RT: 12.93 min Scan# 949

Delta R.T. -0.01 min

Lab File: BF084483.D

Acq: 14 Jan 2016 11:31

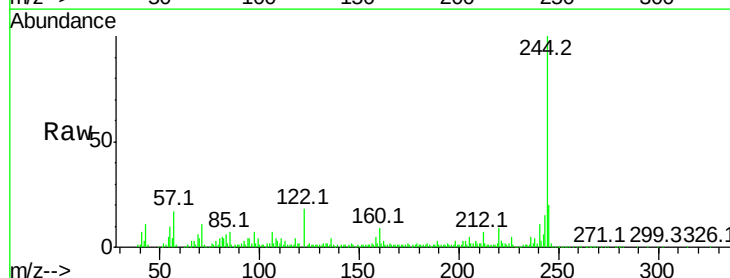
Tgt Ion:244 Resp: 317772

Ion Ratio Lower Upper

244 100

212 6.9 5.7 8.5

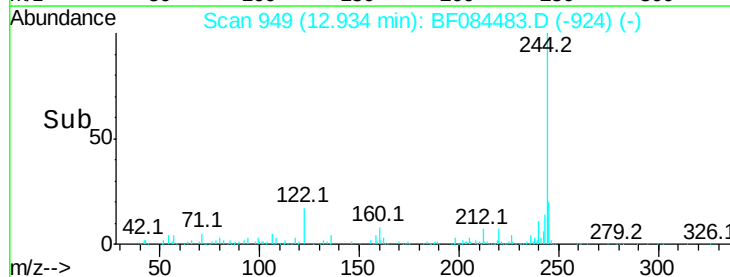
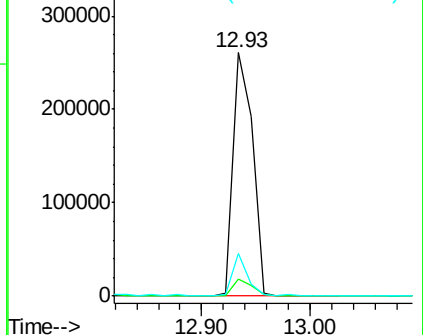
122 17.6 7.4 11.0#

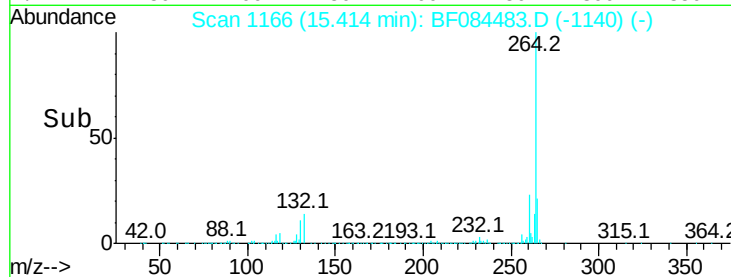
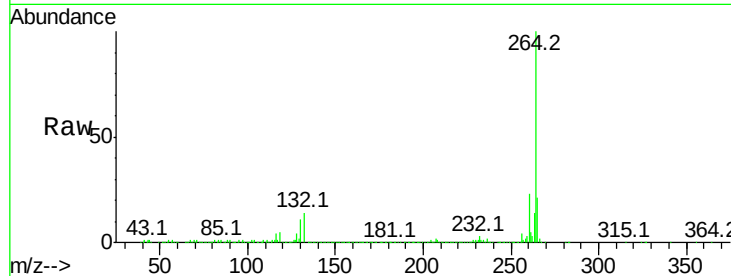
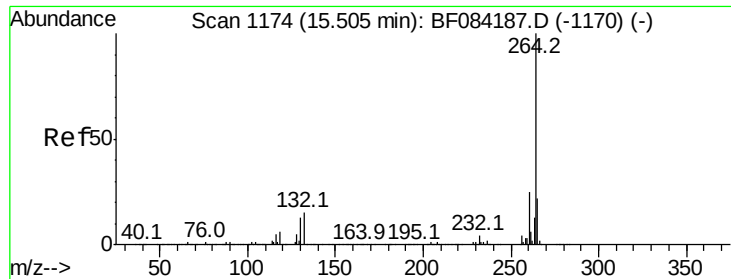


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.41 min Scan# 1166
Delta R.T. 0.00 min
Lab File: BF084483.D
Acq: 14 Jan 2016 11:31

Instrument :
BNA_F
ClientSampleId :
RX2DL

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.8	19.4	29.2
265	21.0	17.8	26.6

