

Data Path : Z:\HPCHEM1\BNA F\DATA\BF011316\
 Data File : BF084472.D
 Acq On : 14 Jan 2016 6:25
 Operator : SJ/UM
 Sample : G4988-02
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RX2

Quant Time: Jan 14 16:45:48 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	215912	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	507016	20.00	ng	0.00
38) Acenaphthene-d10	9.89	164	334489	20.00	ng	0.02
63) Phenanthrene-d10	11.38	188	627495	20.00	ng	0.02
75) Chrysene-d12	14.00	240	710120	20.00	ng	0.00
86) Perylene-d12	15.40	264	540948	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.45	112	1775568	133.01	ng	0.01
7) Phenol-d6	6.48	99	1954868	116.60	ng	0.00
23) Nitrobenzene-d5	7.40	82	1281113	140.63	ng	0.00
41) 2,4,6-Tribromophenol	10.68	330	335939	99.48	ng	0.01
44) 2-Fluorobiphenyl	9.21	172	1530042	80.10	ng	0.01
78) Terphenyl-d14	12.96	244	1670925	52.52	ng	0.01

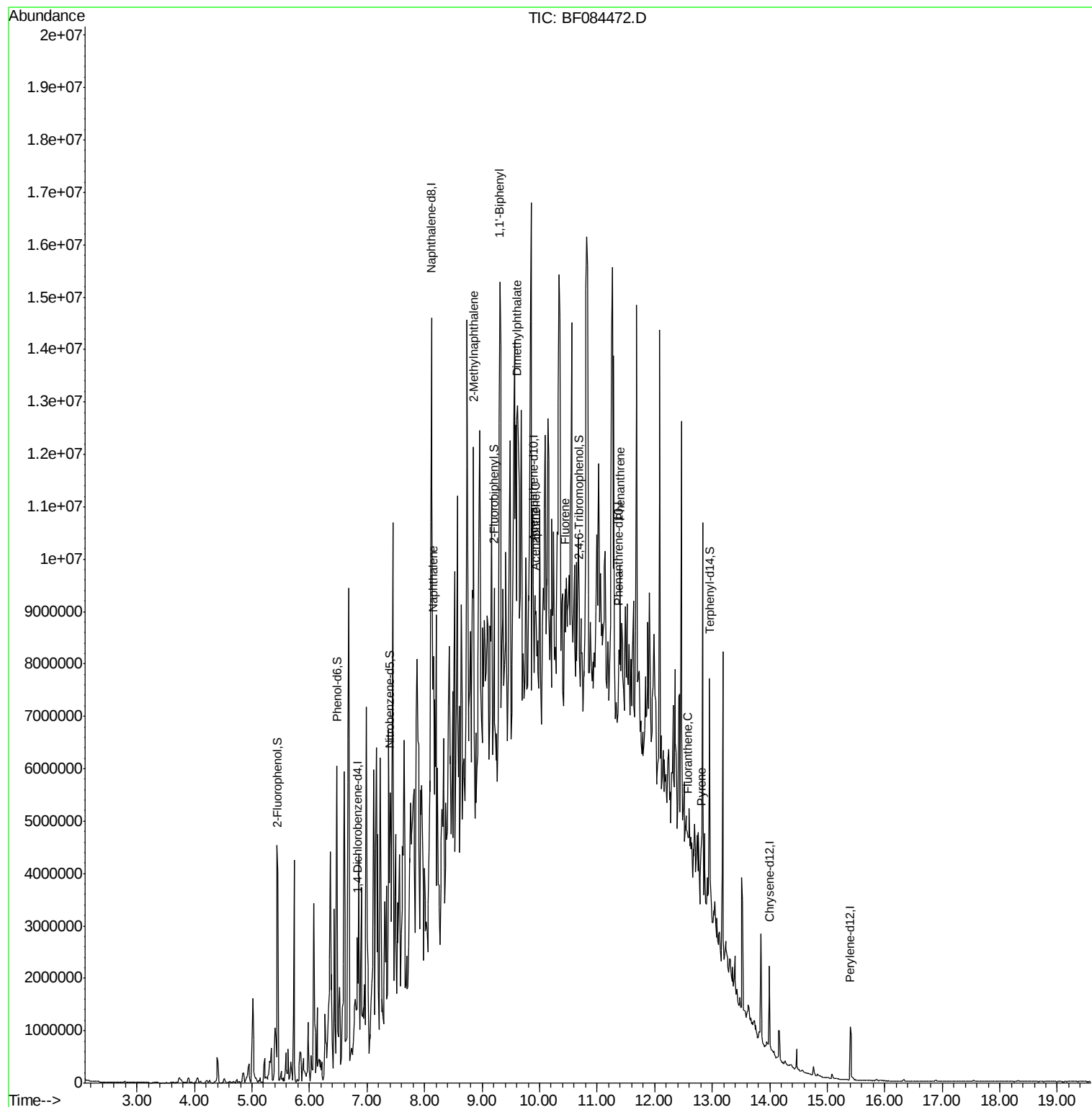
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
31) Naphthalene	8.16	128	2254786	98.02	ng	# 95
37) 2-Methylnaphthalene	8.85	142	3559543	215.56	ng	# 96
45) 1,1'-Biphenyl	9.31	154	392256	14.76	ng	# 95
49) Dimethylphthalate	9.61	163	240280	10.05	ng	# 72
51) Acenaphthene	9.93	154	292515m	14.14	ng	# 72
57) Fluorene	10.44	166	488850	22.39	ng	# 89
70) Phenanthrene	11.40	178	1385034	42.20	ng	# 93
74) Fluoranthene	12.58	202	72671	2.12	ng	# 61
77) Pyrene	12.81	202	372742	6.69	ng	# 94

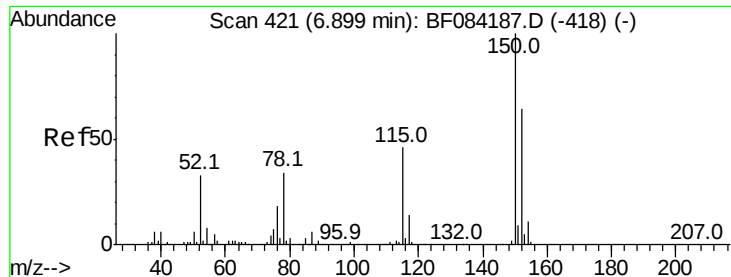
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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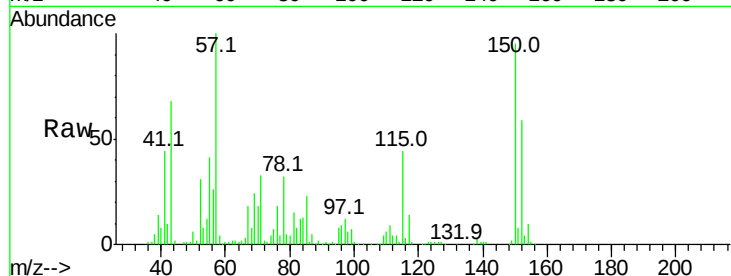


#1

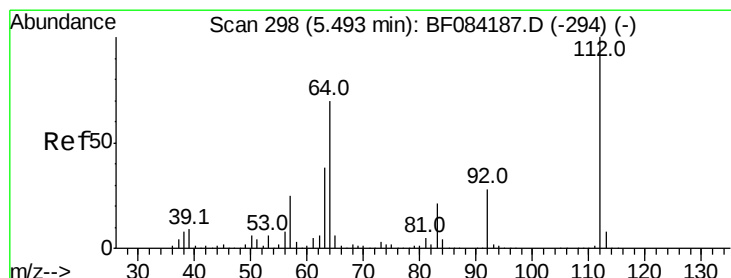
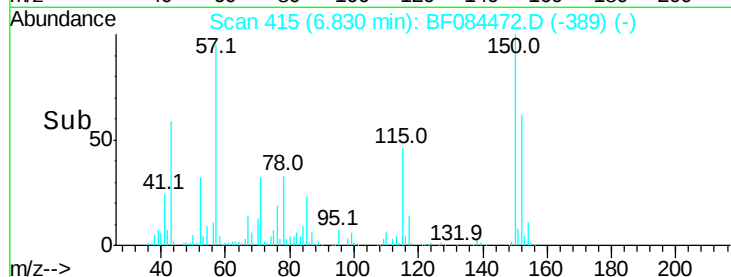
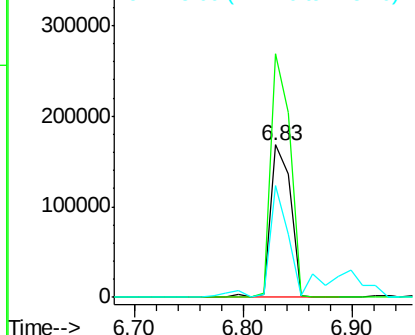
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.83 min Scan# 415
Delta R.T. 0.00 min
Lab File: BF084472.D
Acq: 14 Jan 2016 6:25

Instrument :
BNA_F
ClientSampleId :
RX2

Tot Ion:152 Resp: 215912
Ion Ratio Lower Upper
152 100
150 160.1 123.0 184.4
115 73.5 51.4 77.2



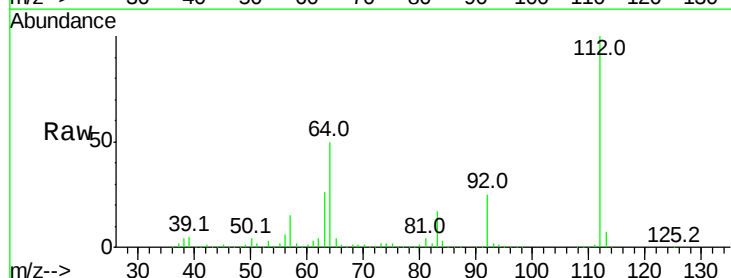
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



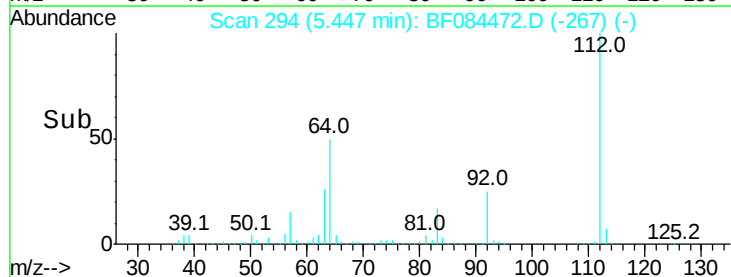
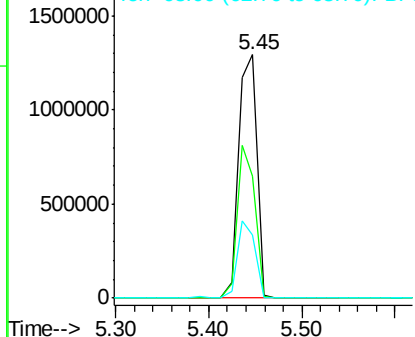
#5

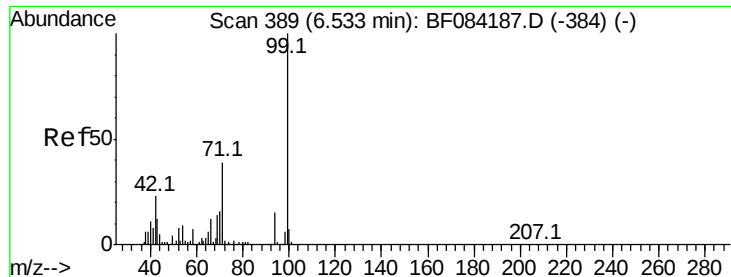
2-Fluorophenol
Concen: 133.01 ng
RT: 5.45 min Scan# 294
Delta R.T. 0.01 min
Lab File: BF084472.D
Acq: 14 Jan 2016 6:25

Tgt Ion:112 Resp: 1775568
Ion Ratio Lower Upper
112 100
64 50.3 36.6 55.0
63 25.7 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: 116.60 ng

RT: 6.48 min Scan# 384

Delta R.T. 0.00 min

Lab File: BF084472.D

Acq: 14 Jan 2016 6:25

Instrument :

BNA_F

ClientSampled :

RX2

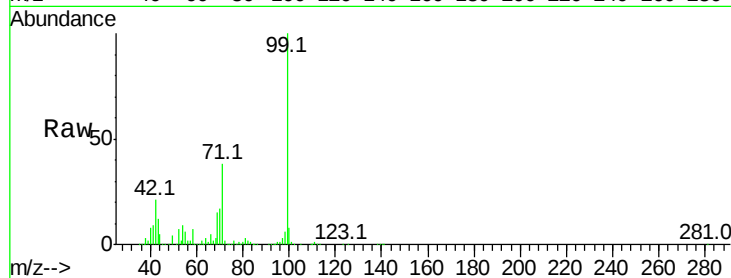
Tot Ion: 99 Resp: 1954868

Ion Ratio Lower Upper

99 100

42 21.2 12.8 19.2#

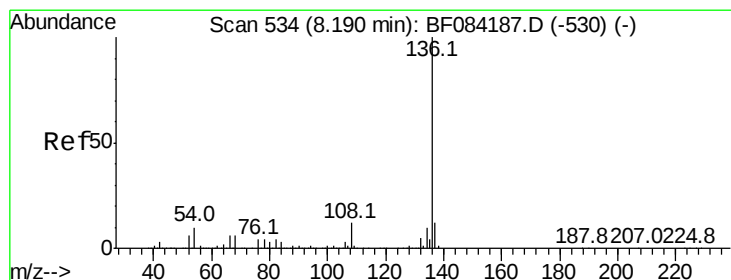
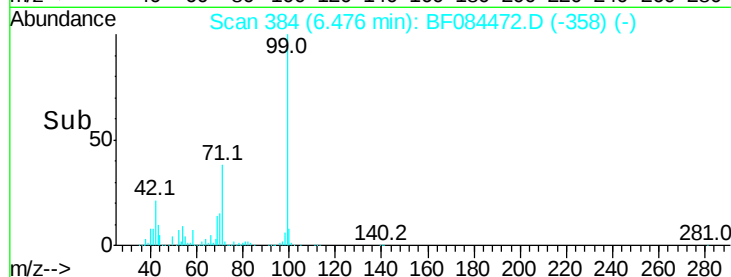
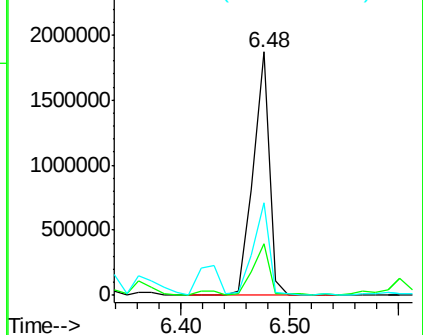
71 37.8 30.9 46.3



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: 8.12 min Scan# 528

Delta R.T. 0.00 min

Lab File: BF084472.D

Acq: 14 Jan 2016 6:25

Tgt Ion: 136 Resp: 507016

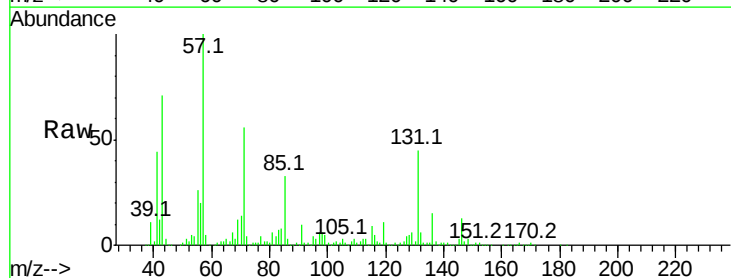
Ion Ratio Lower Upper

136 100

137 14.1 8.7 13.1#

54 26.2 5.8 8.8#

68 20.2 4.2 6.2#

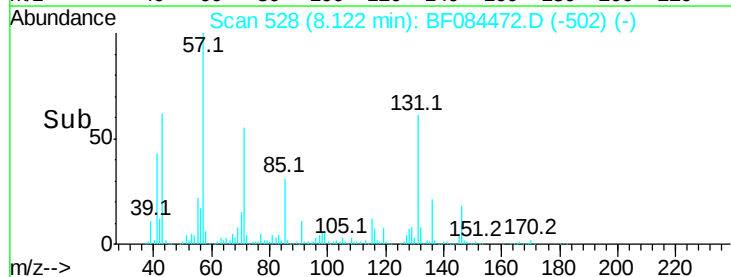
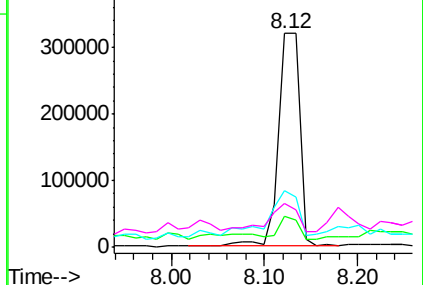


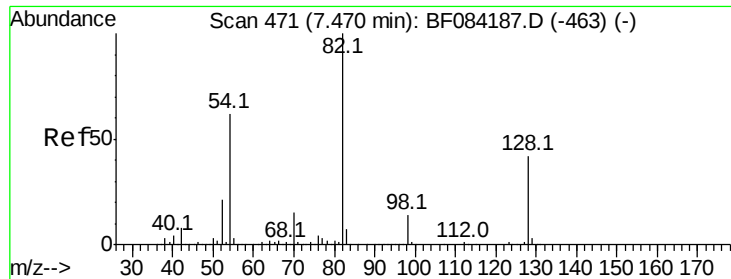
Abundance Ion 136.00 (135.70 to 136.70): E

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



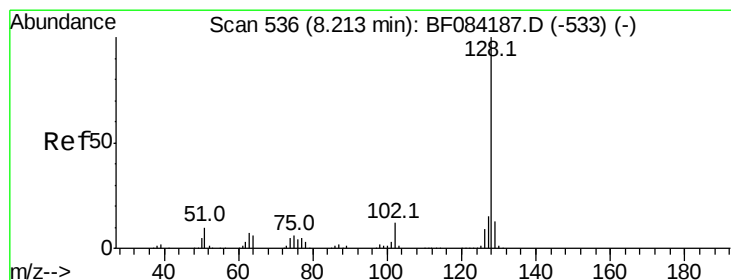
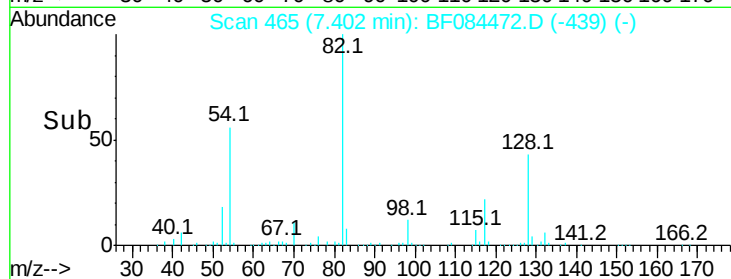
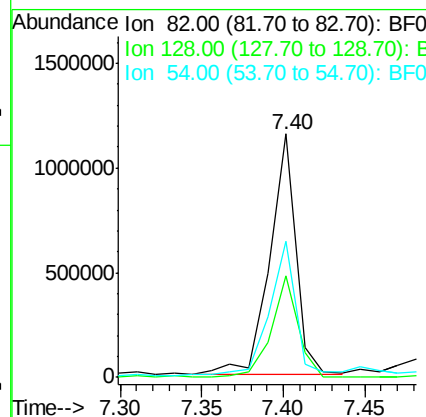
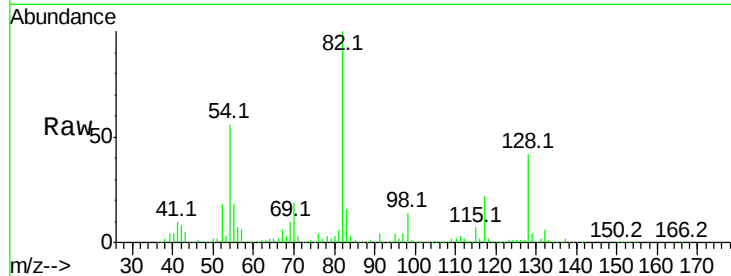


#23
 Nitrobenzene-d5
 Concen: 140.63 ng
 RT: 7.40 min Scan# 465
 Delta R.T. 0.00 min
 Lab File: BF084472.D
 Acq: 14 Jan 2016 6:25

Instrument :
 BNA_F
 ClientSampleId :
 RX2

Tot Ion: 82 Resp: 1281113

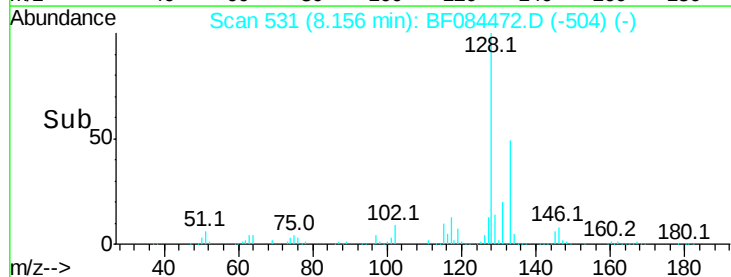
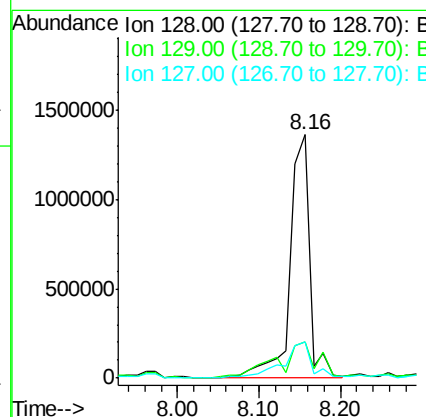
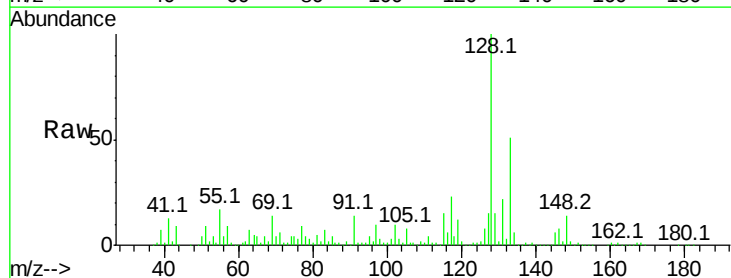
Ion	Ratio	Lower	Upper
82	100		
128	41.8	34.6	51.8
54	56.0	38.4	57.6

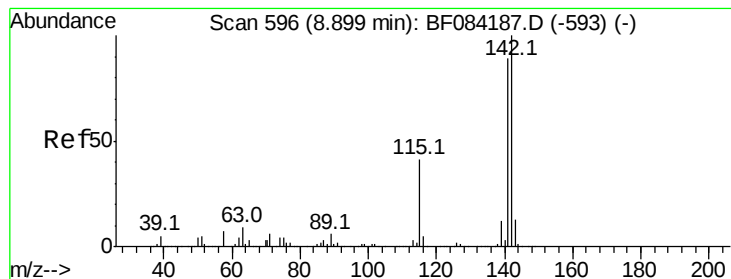


#31
 Naphthalene
 Concen: 98.02 ng
 RT: 8.16 min Scan# 531
 Delta R.T. 0.01 min
 Lab File: BF084472.D
 Acq: 14 Jan 2016 6:25

Tgt Ion: 128 Resp: 2254786

Ion	Ratio	Lower	Upper
128	100		
129	14.8	9.1	13.7#
127	15.0	11.1	16.7

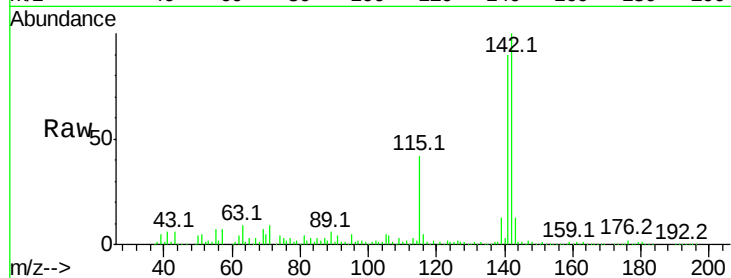




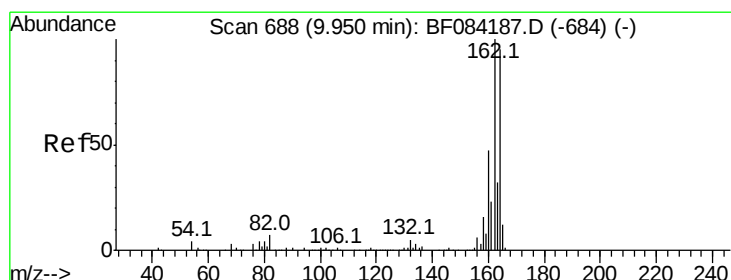
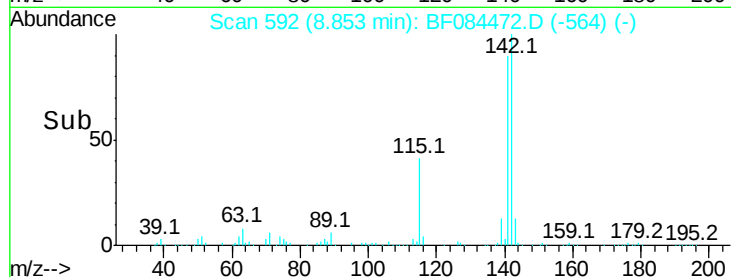
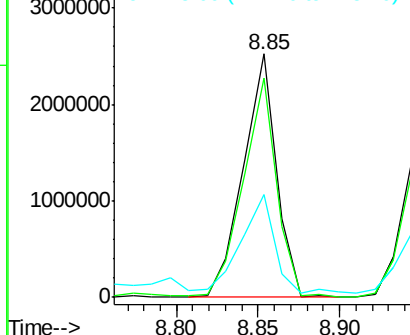
#37
 2-Methylnaphthalene
 Concen: 215.56 ng
 RT: 8.85 min Scan# 592
 Delta R.T. 0.02 min
 Lab File: BF084472.D
 Acq: 14 Jan 2016 6:25

Instrument :
 BNA_F
 ClientSampleId :
 RX2

Tot Ion:142 Resp: 3559543
 Ion Ratio Lower Upper
 142 100
 141 90.2 72.4 108.6
 115 42.4 27.9 41.9#

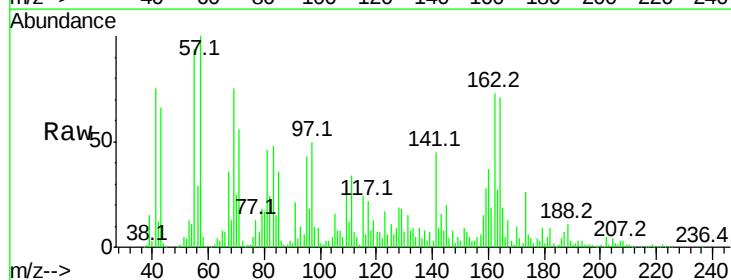


Abundance Ion 142.00 (141.70 to 142.70): E
 Ion 141.00 (140.70 to 141.70): E
 Ion 115.00 (114.70 to 115.70): E

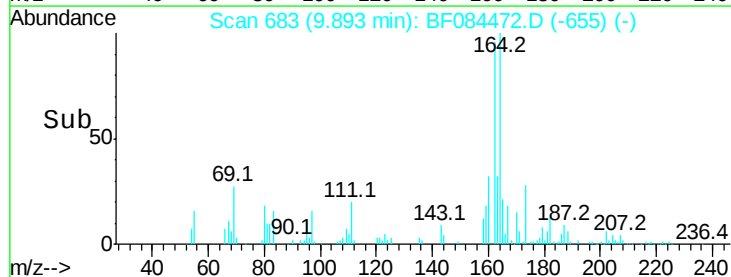
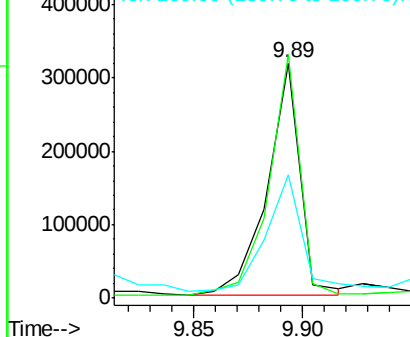


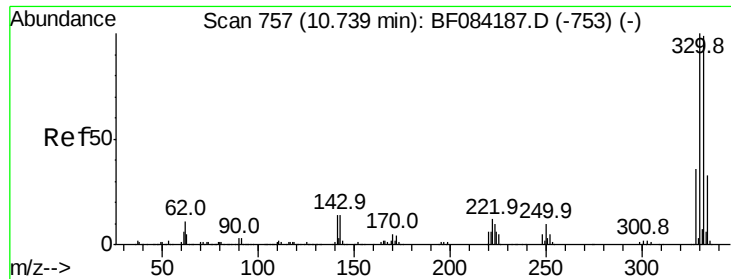
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.89 min Scan# 683
 Delta R.T. 0.02 min
 Lab File: BF084472.D
 Acq: 14 Jan 2016 6:25

Tgt Ion:164 Resp: 334489
 Ion Ratio Lower Upper
 164 100
 162 103.6 85.1 127.7
 160 52.6 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

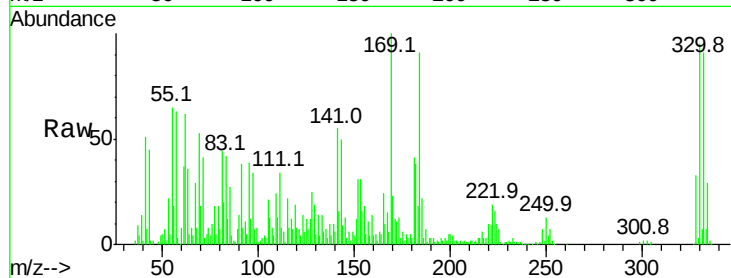




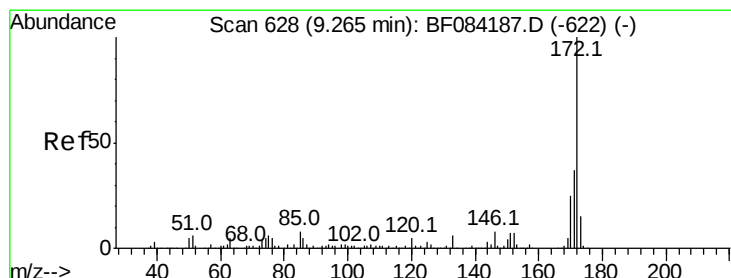
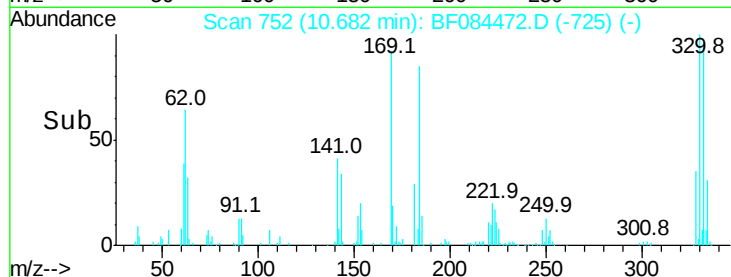
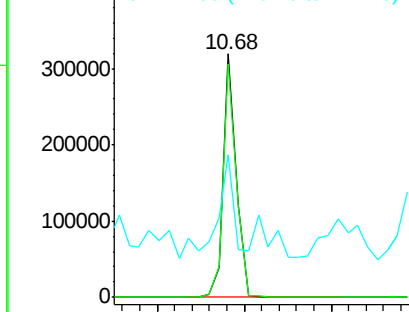
#41
 2,4,6-Tribromophenol
 Concen: 99.48 ng
 RT: 10.68 min Scan# 752
 Delta R.T. 0.01 min
 Lab File: BF084472.D
 Acq: 14 Jan 2016 6:25

Instrument :
 BNA_F
 ClientSampleId :
 RX2

Tot Ion:330 Resp: 335939
 Ion Ratio Lower Upper
 330 100
 332 97.3 76.6 114.8
 141 37.7 27.8 41.6

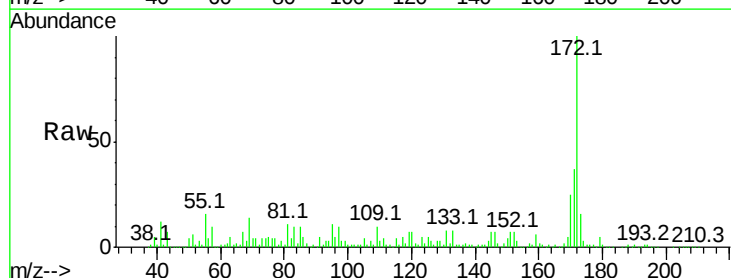


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

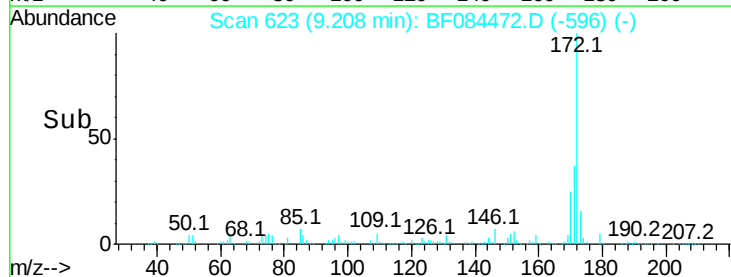
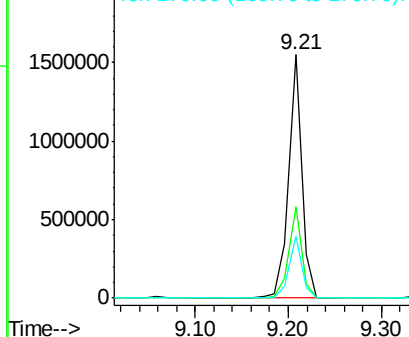


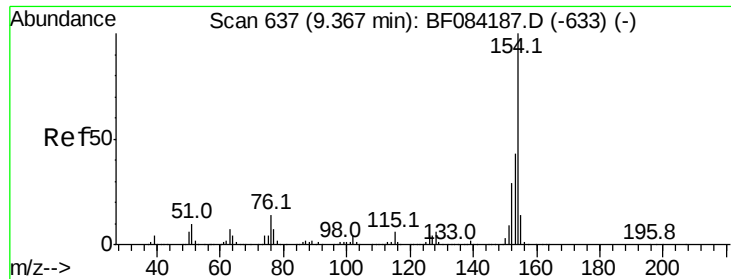
#44
 2-Fluorobiphenyl
 Concen: 80.10 ng
 RT: 9.21 min Scan# 623
 Delta R.T. 0.01 min
 Lab File: BF084472.D
 Acq: 14 Jan 2016 6:25

Tgt Ion:172 Resp: 1530042
 Ion Ratio Lower Upper
 172 100
 171 37.3 28.9 43.3
 170 25.2 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: 14.76 ng

RT: 9.31 min Scan# 632

Delta R.T. 0.01 min

Lab File: BF084472.D

Acq: 14 Jan 2016 6:25

Instrument :

BNA_F

ClientSampled :

RX2

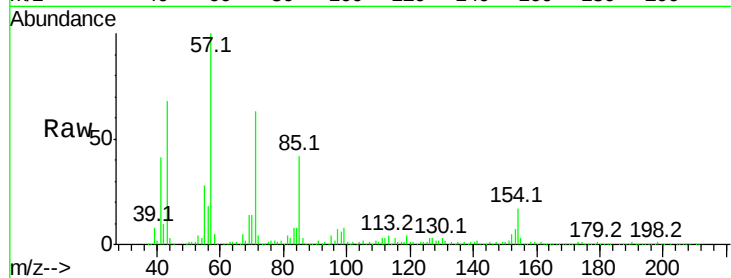
Tot Ion:154 Resp: 392256

Ion Ratio Lower Upper

154 100

153 38.6 21.6 61.6

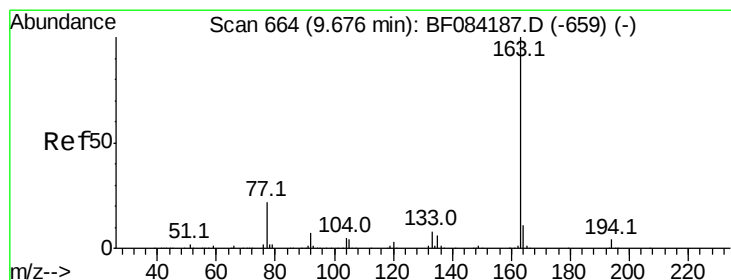
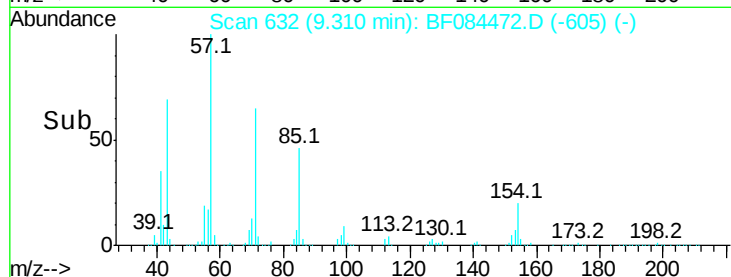
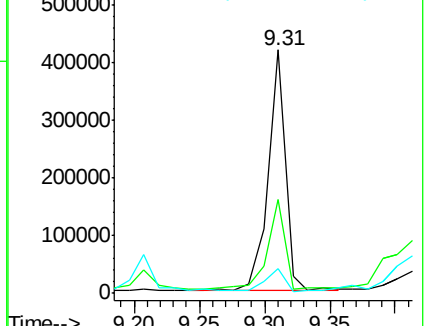
76 10.3 0.0 32.7



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: 10.05 ng

RT: 9.61 min Scan# 658

Delta R.T. 0.00 min

Lab File: BF084472.D

Acq: 14 Jan 2016 6:25

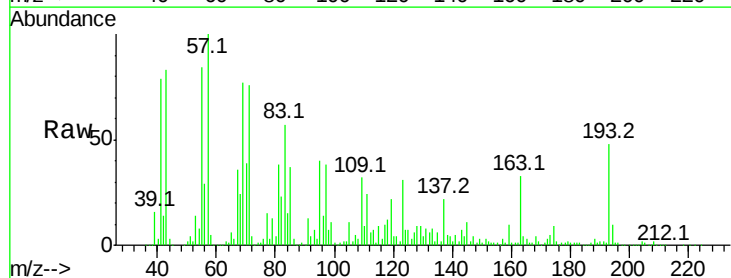
Tgt Ion:163 Resp: 240280

Ion Ratio Lower Upper

163 100

194 29.0 8.0 12.0#

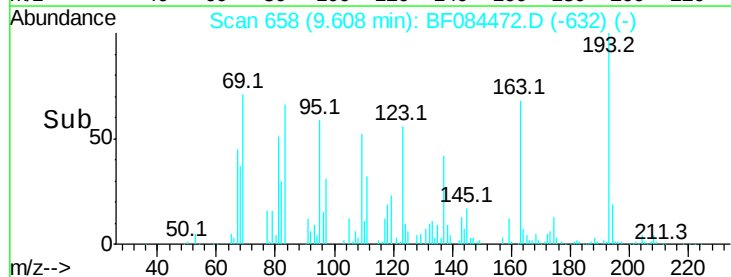
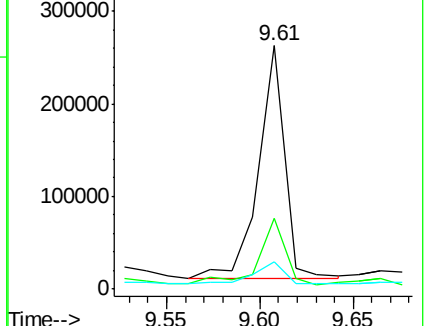
164 11.4 8.0 12.0

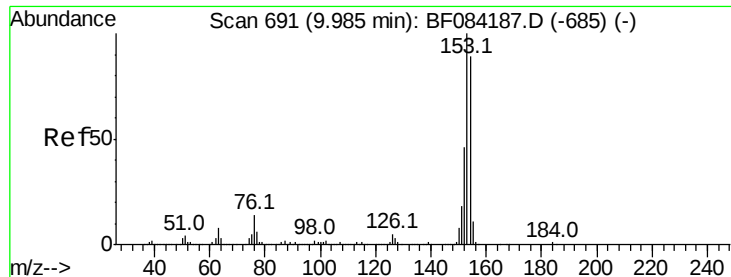


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#51

Acenaphthene

Concen: 14.14 ng

RT: 9.93 min Scan# 686

Delta R.T. 0.02 min

Lab File: BF084472.D

Acq: 14 Jan 2016 6:25

Instrument :

BNA_F

ClientSampleId :

RX2

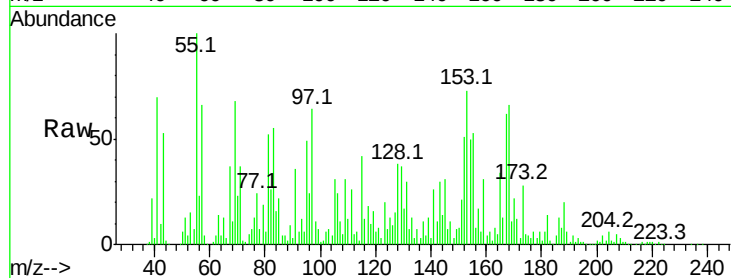
Tot Ion:154 Resp: 292515

Ion Ratio Lower Upper

154 100

153 146.0 91.5 137.3#

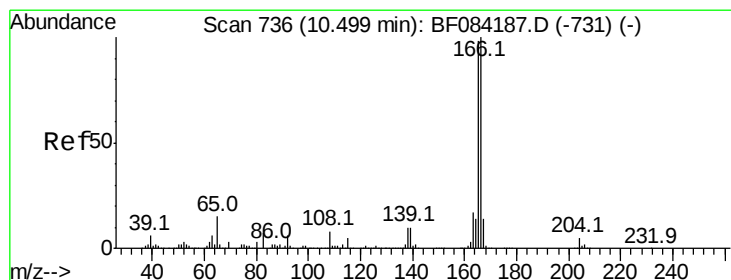
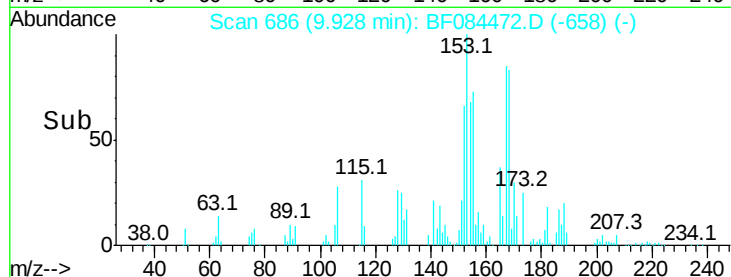
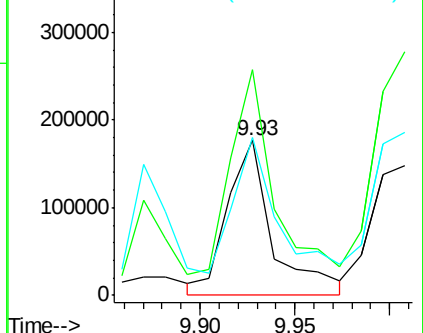
152 101.8 43.0 64.6#



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: 22.39 ng

RT: 10.44 min Scan# 731

Delta R.T. 0.02 min

Lab File: BF084472.D

Acq: 14 Jan 2016 6:25

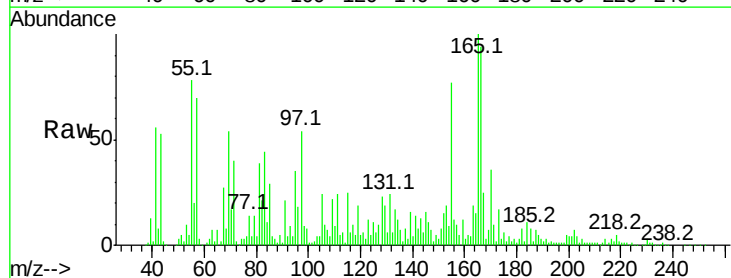
Tgt Ion:166 Resp: 488850

Ion Ratio Lower Upper

166 100

165 106.3 79.1 118.7

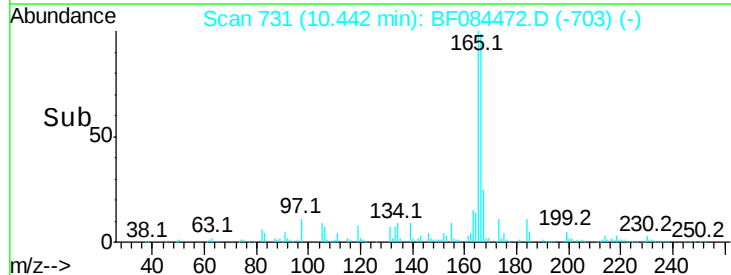
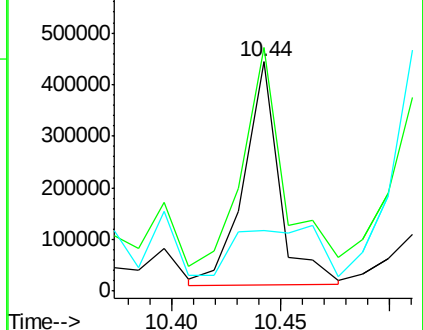
167 26.6 10.4 15.6#

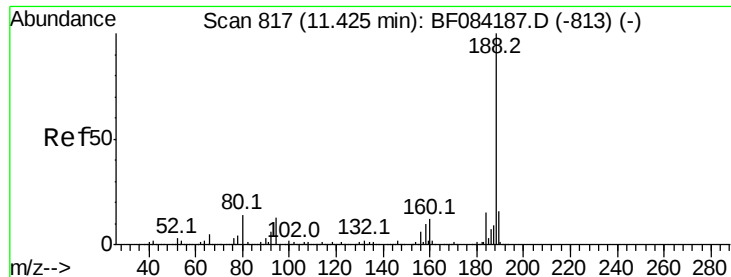


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

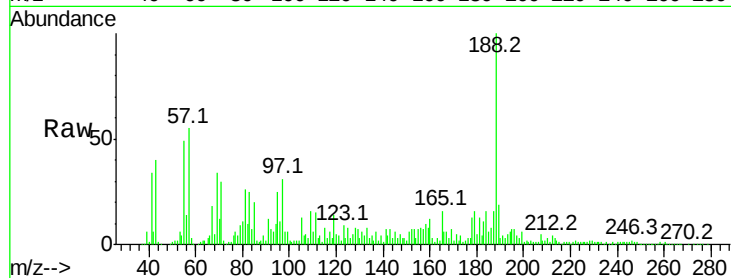




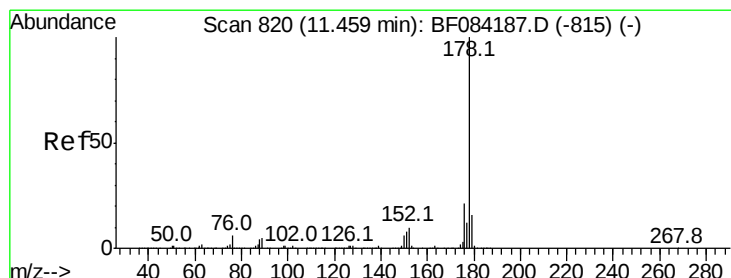
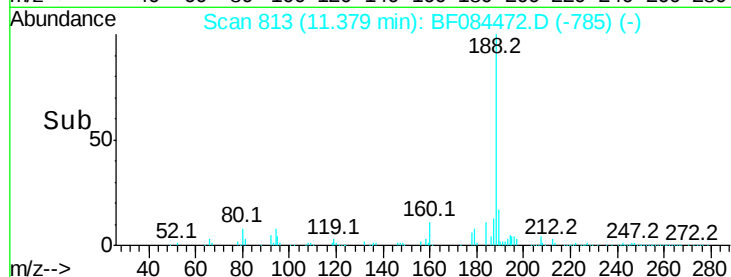
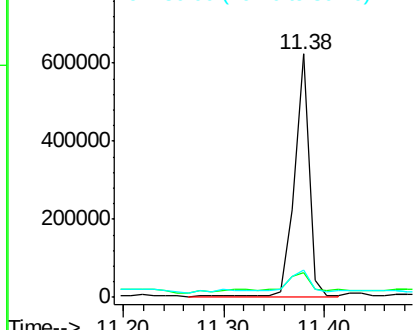
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.38 min Scan# 813
Delta R.T. 0.02 min
Lab File: BF084472.D
Acq: 14 Jan 2016 6:25

Instrument :
BNA_F
ClientSampleId :
RX2

Tot Ion:188 Resp: 627495
Ion Ratio Lower Upper
188 100
94 10.4 9.0 13.4
80 11.2 9.6 14.4

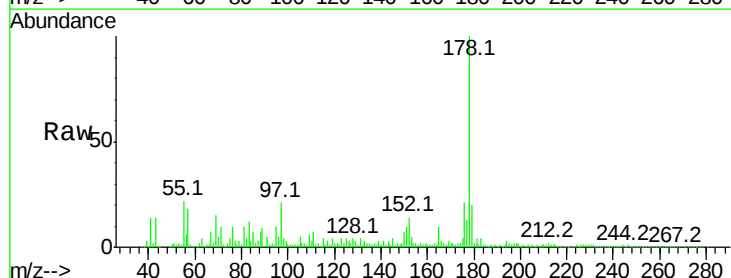


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

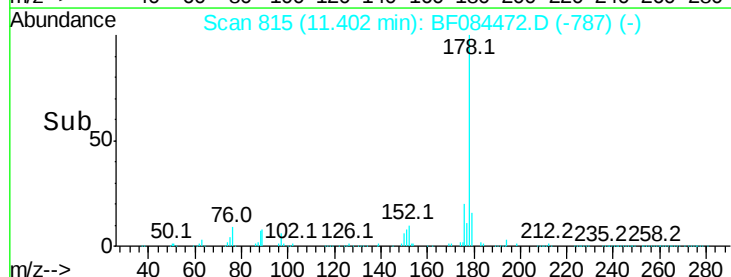
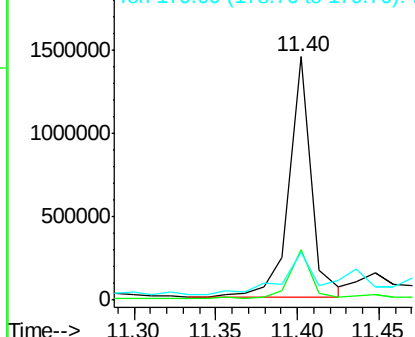


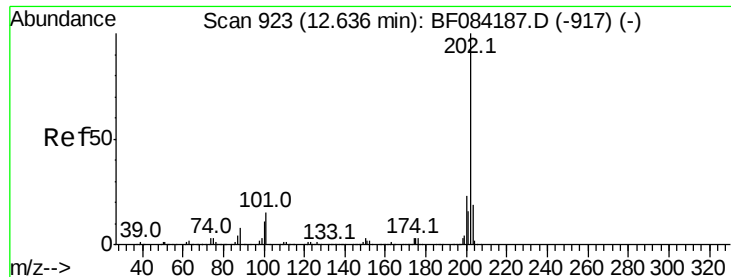
#70
Phenanthrene
Concen: 42.20 ng
RT: 11.40 min Scan# 815
Delta R.T. 0.02 min
Lab File: BF084472.D
Acq: 14 Jan 2016 6:25

Tgt Ion:178 Resp: 1385034
Ion Ratio Lower Upper
178 100
176 20.8 15.3 22.9
179 19.8 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

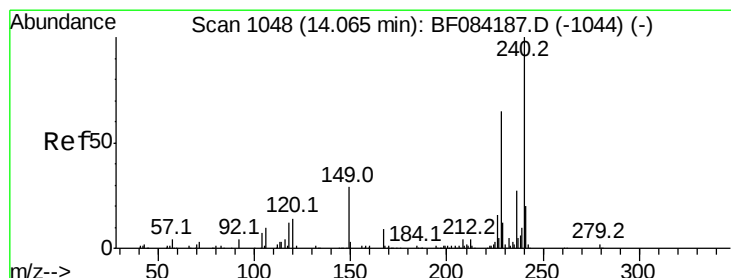
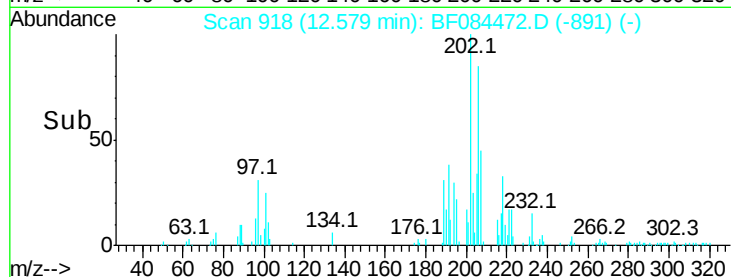
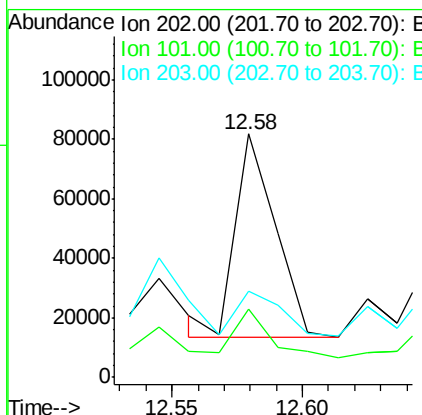
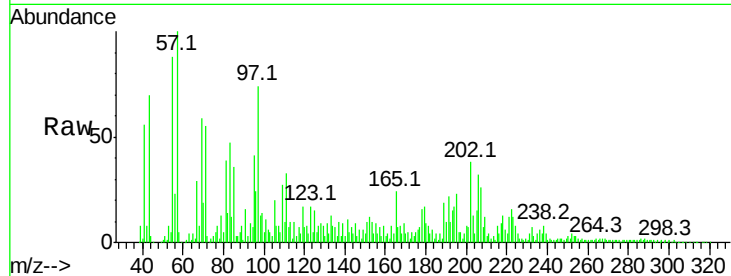




#74
Fluoranthene
Concen: 2.12 ng
RT: 12.58 min Scan# 918
Delta R.T. 0.01 min
Lab File: BF084472.D
Acq: 14 Jan 2016 6:25

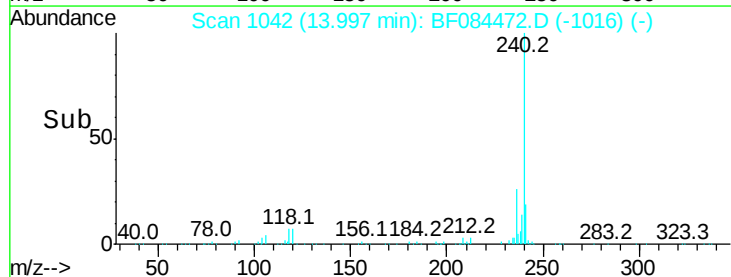
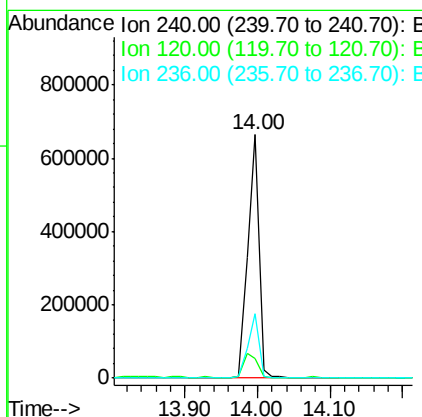
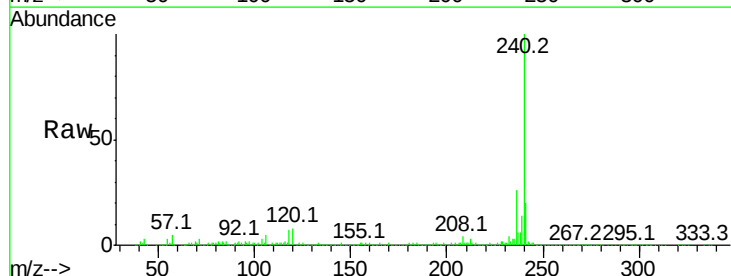
Instrument :
BNA_F
ClientSampleId :
RX2

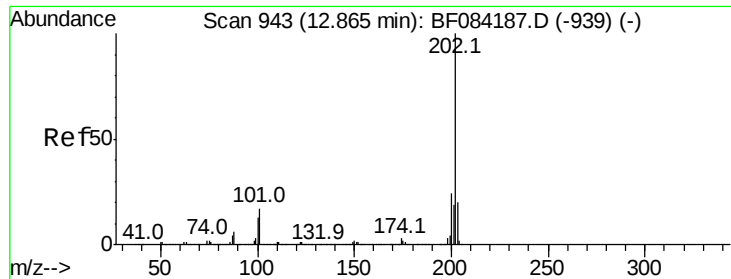
Tot Ion:202 Resp: 72671
Ion Ratio Lower Upper
202 100
101 27.8 0.0 32.8
203 35.5 0.0 37.9



#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.00 min Scan# 1042
Delta R.T. 0.00 min
Lab File: BF084472.D
Acq: 14 Jan 2016 6:25

Tgt Ion:240 Resp: 710120
Ion Ratio Lower Upper
240 100
120 7.8 9.5 14.3#
236 26.3 20.6 31.0





#77

Pvrene

Concen: 6.69 ng

RT: 12.81 min Scan# 938

Delta R.T. 0.01 min

Lab File: BF084472.D

Acq: 14 Jan 2016 6:25

Instrument :

BNA_F

ClientSampleId :

RX2

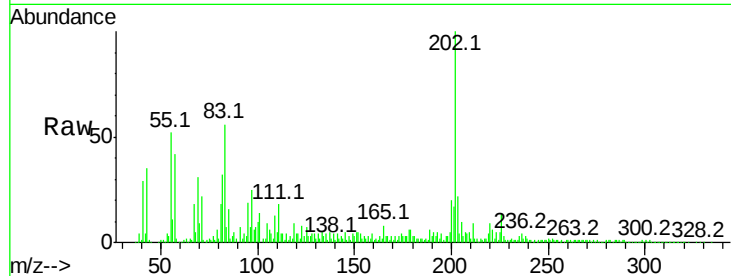
Tot Ion:202 Resp: 372742

Ion Ratio Lower Upper

202 100

200 20.4 17.2 25.8

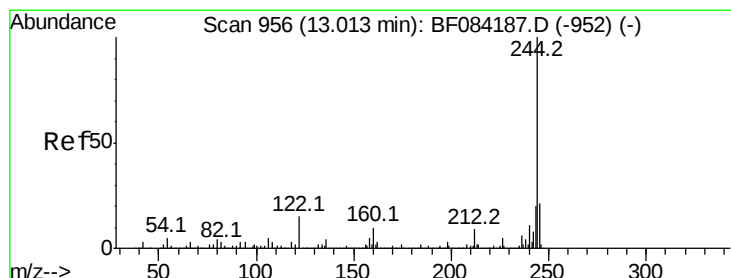
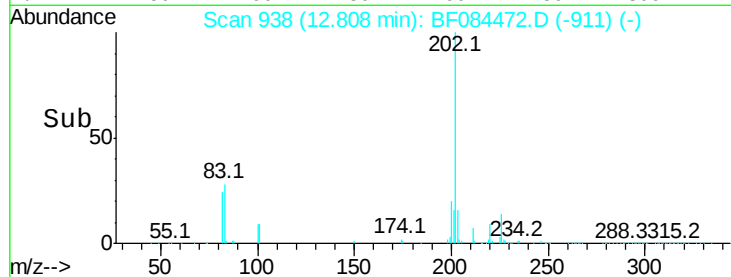
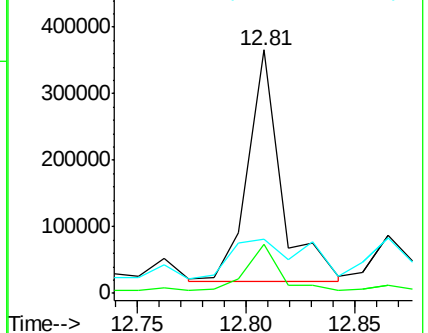
203 22.3 14.3 21.5#



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: 52.52 ng

RT: 12.96 min Scan# 951

Delta R.T. 0.01 min

Lab File: BF084472.D

Acq: 14 Jan 2016 6:25

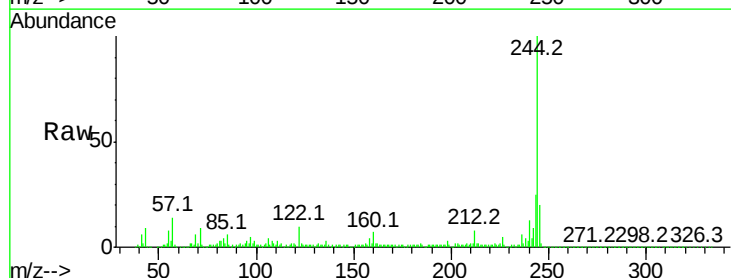
Tgt Ion:244 Resp: 1670925

Ion Ratio Lower Upper

244 100

212 7.5 5.7 8.5

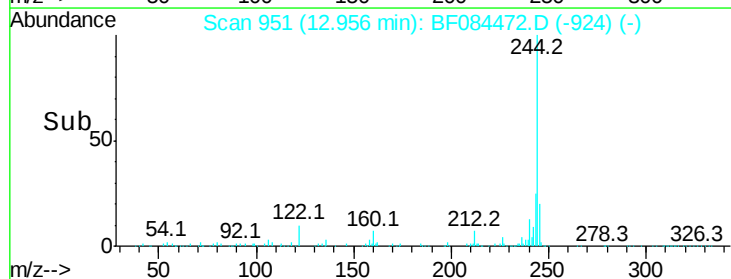
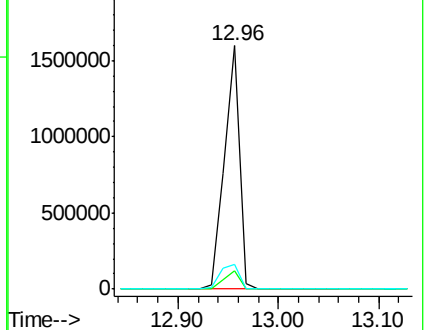
122 10.3 7.4 11.0

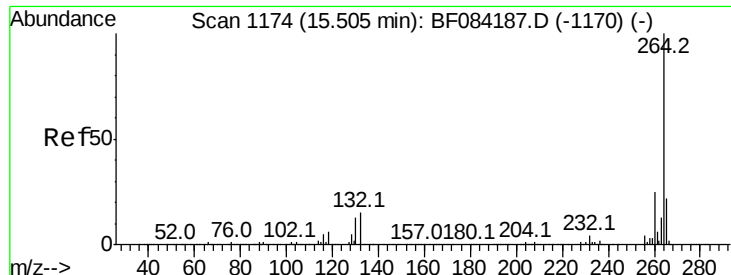


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

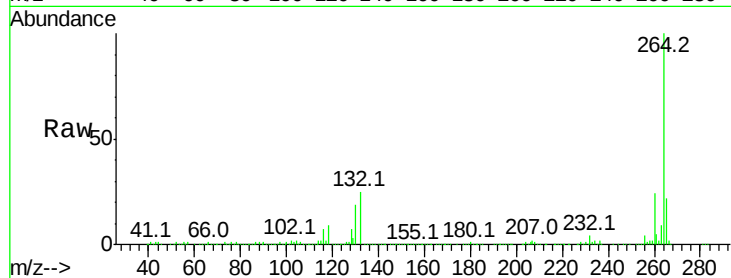




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.40 min Scan# 1165
Delta R.T. -0.01 min
Lab File: BF084472.D
Acq: 14 Jan 2016 6:25

Instrument :
BNA_F
ClientSampleId :
RX2

Tot Ion:264 Resp: 540948
Ion Ratio Lower Upper
264 100
260 23.7 19.4 29.2
265 22.3 17.8 26.6



Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

