

Data Path : Z:\HPCHEM1\BNA F\DATA\BF010416\
 Data File : BF084273.D
 Acq On : 5 Jan 2016 8:43
 Operator : UM/SJ
 Sample : G4949-02
 Misc :
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PJ-SB-1(20.0-20.5)

Quant Time: Jan 05 10:06:47 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

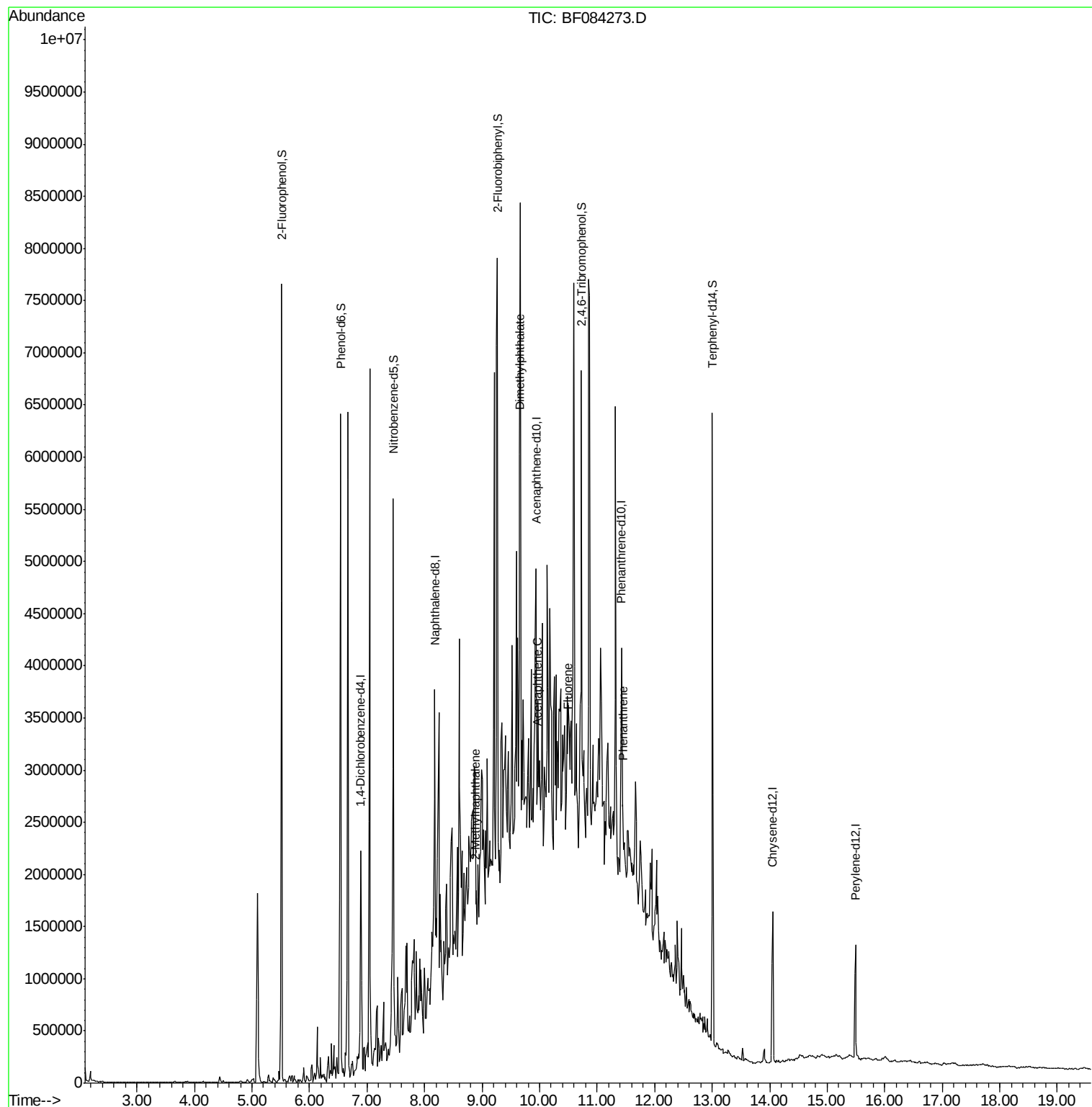
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	277884	20.00	ng	-0.01
21) Naphthalene-d8	8.18	136	1151431	20.00	ng	-0.01
38) Acenaphthene-d10	9.94	164	490308	20.00	ng	-0.01
63) Phenanthrene-d10	11.42	188	850296	20.00	ng	0.00
75) Chrysene-d12	14.05	240	621235	20.00	ng	-0.01
86) Perylene-d12	15.49	264	571585	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.52	112	2304383	134.13	ng	0.02
7) Phenol-d6	6.54	99	3103061	143.81	ng	0.01
23) Nitrobenzene-d5	7.46	82	1870050	90.39	ng	-0.01
41) 2,4,6-Tribromophenol	10.73	330	501782	101.37	ng	-0.01
44) 2-Fluorobiphenyl	9.26	172	2898165	105.51	ng	0.00
78) Terphenyl-d14	13.00	244	2134544	76.70	ng	-0.01
Target Compounds						
37) 2-Methylnaphthalene	8.89	142	140724	3.75	ng	# 92
49) Dimethylphthalate	9.65	163	576169	16.44	ng	# 92
51) Acenaphthene	9.96	154	67902	2.24	ng	# 83
57) Fluorene	10.49	166	134682	2.17	ng	# 92
70) Phenanthrene	11.45	178	324468	7.30	ng	# 93

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

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Quant Time: Jan 05 10:06:47 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: 6.89 min Scan# 420

Delta R.T. -0.01 min

Lab File: BF084273.D

Acq: 5 Jan 2016 8:43

Instrument :

BNA_F

ClientSampleId :

PJ-SB-1(20.0-20.5)

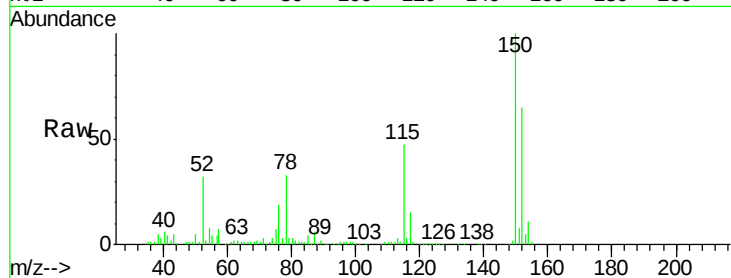
Tot Ion:152 Resp: 277884

Ion Ratio Lower Upper

152 100

150 154.7 123.0 184.4

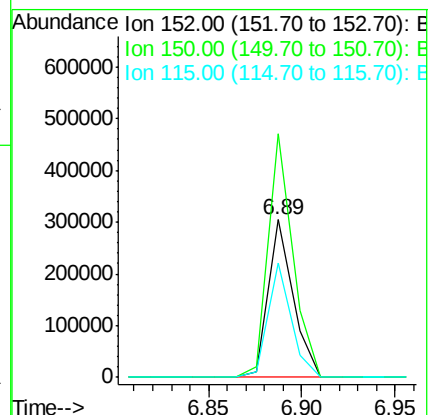
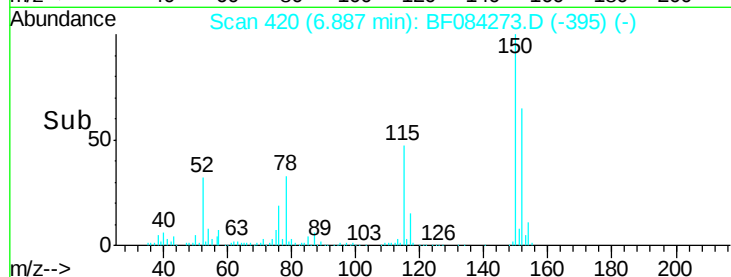
115 72.5 51.4 77.2



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: 134.13 ng

RT: 5.52 min Scan# 300

Delta R.T. 0.02 min

Lab File: BF084273.D

Acq: 5 Jan 2016 8:43

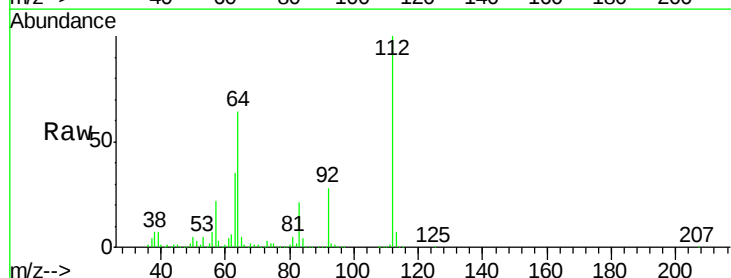
Tgt Ion:112 Resp: 2304383

Ion Ratio Lower Upper

112 100

64 63.9 36.6 55.0#

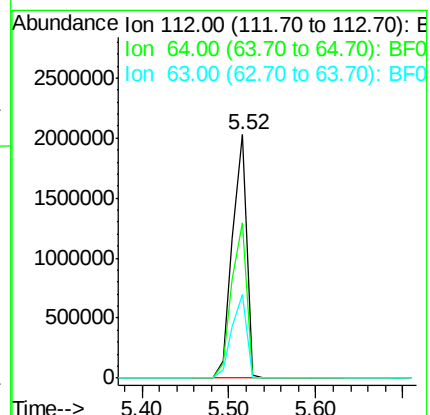
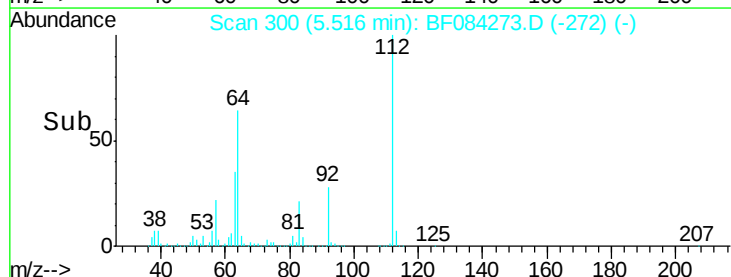
63 34.5 19.4 29.0#



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: 143.81 ng

RT: 6.54 min Scan# 390

Delta R.T. 0.01 min

Lab File: BF084273.D

Acq: 5 Jan 2016 8:43

Instrument :

BNA_F

ClientSampleId :

PJ-SB-1(20.0-20.5)

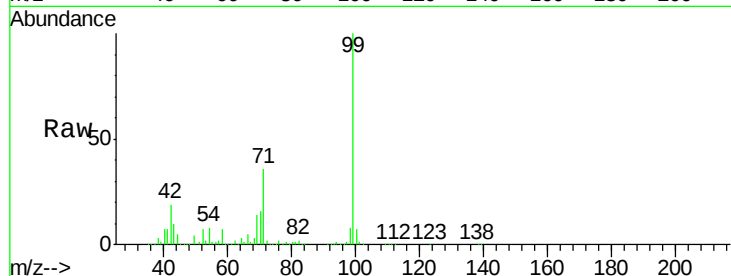
Tot Ion: 99 Resp: 3103061

Ion Ratio Lower Upper

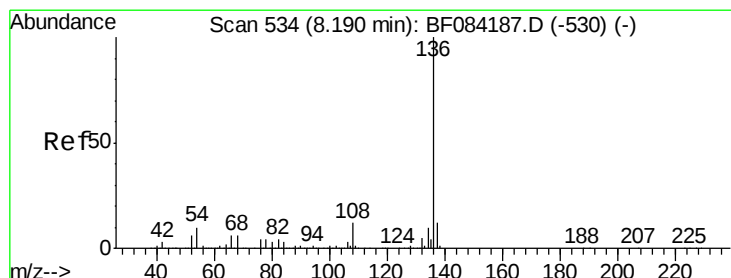
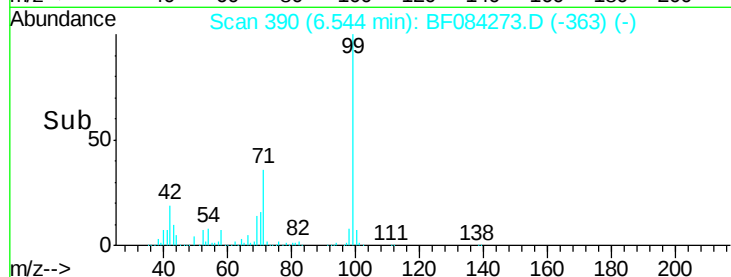
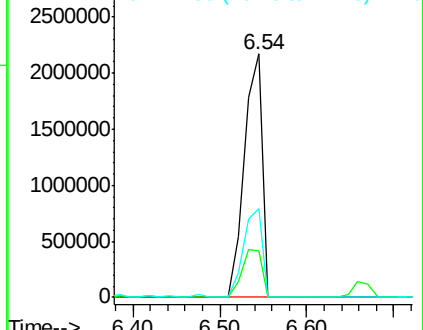
99 100

42 19.3 12.8 19.2#

71 36.4 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: 8.18 min Scan# 533

Delta R.T. -0.01 min

Lab File: BF084273.D

Acq: 5 Jan 2016 8:43

Tgt Ion:136 Resp: 1151431

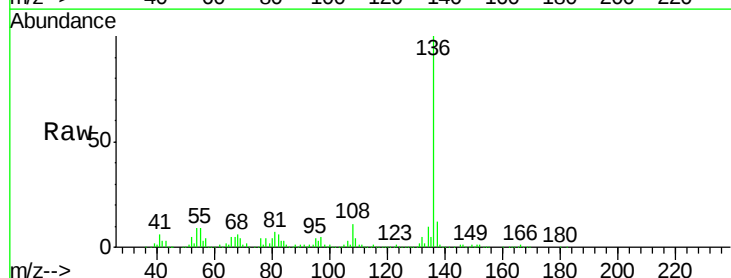
Ion Ratio Lower Upper

136 100

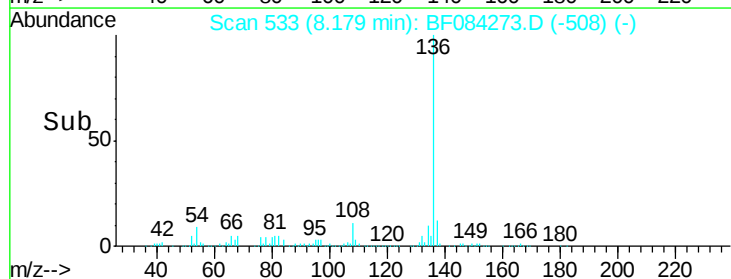
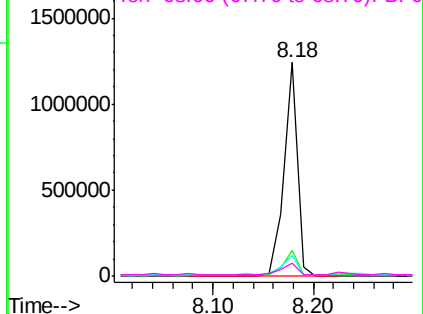
137 11.9 8.7 13.1

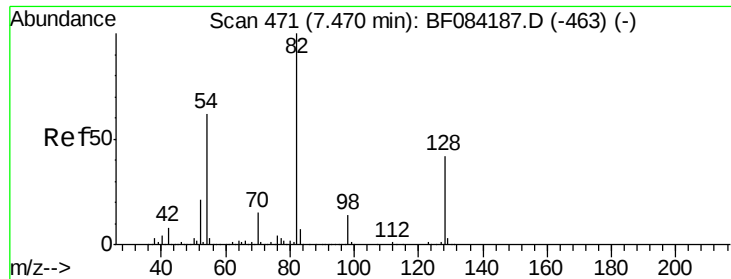
54 9.4 5.8 8.8#

68 6.0 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

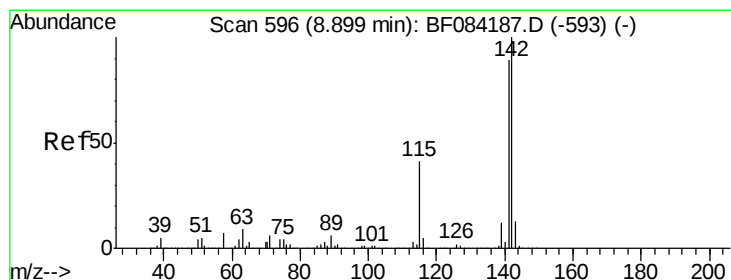
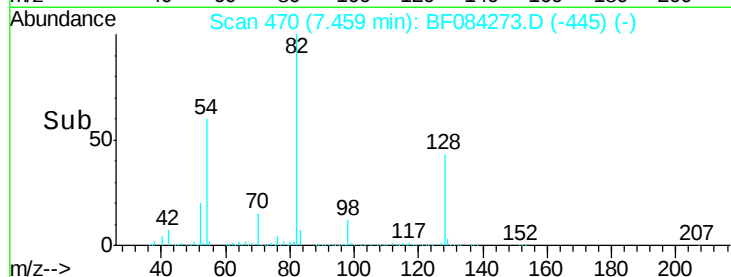
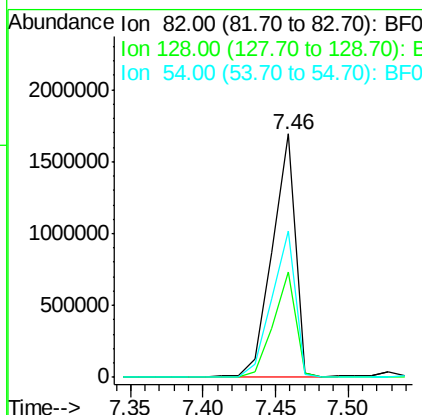
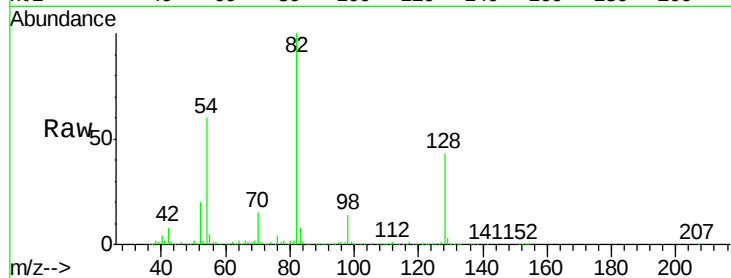




#23
 Nitrobenzene-d5
 Concen: 90.39 ng
 RT: 7.46 min Scan# 470
 Delta R.T. -0.01 min
 Lab File: BF084273.D
 Acq: 5 Jan 2016 8:43

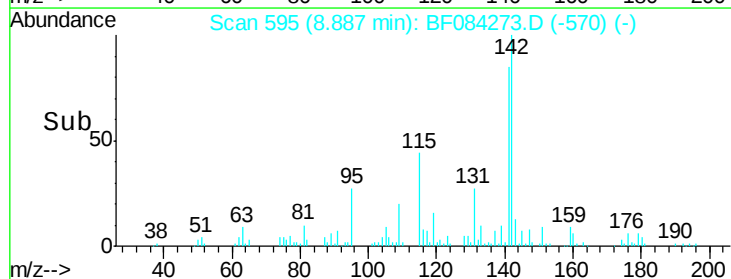
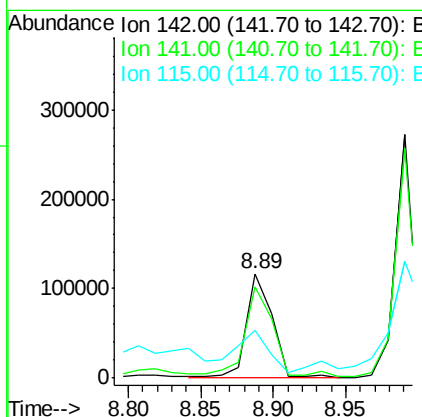
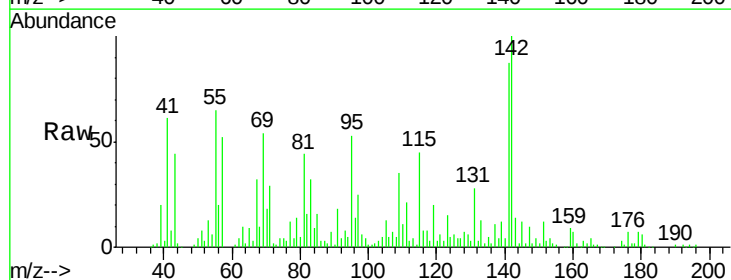
Instrument :
 BNA_F
 ClientSampleId :
 PJ-SB-1(20.0-20.5)

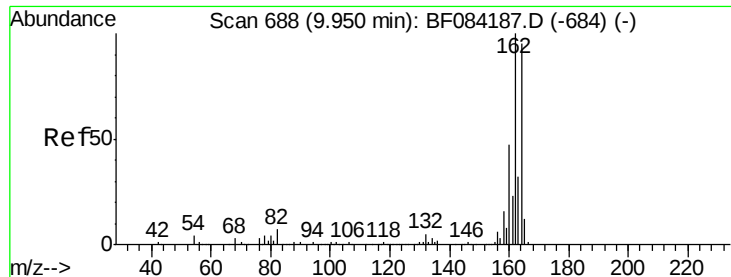
Tot Ion: 82 Resp: 1870050
 Ion Ratio Lower Upper
 82 100
 128 43.3 34.6 51.8
 54 60.4 38.4 57.6#



#37
 2-Methylnaphthalene
 Concen: 3.75 ng
 RT: 8.89 min Scan# 595
 Delta R.T. -0.01 min
 Lab File: BF084273.D
 Acq: 5 Jan 2016 8:43

Tgt Ion: 142 Resp: 140724
 Ion Ratio Lower Upper
 142 100
 141 87.1 72.4 108.6
 115 45.4 27.9 41.9#





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.94 min Scan# 687

Delta R.T. -0.01 min

Lab File: BF084273.D

Acq: 5 Jan 2016 8:43

Instrument :

BNA_F

ClientSampleId :

PJ-SB-1(20.0-20.5)

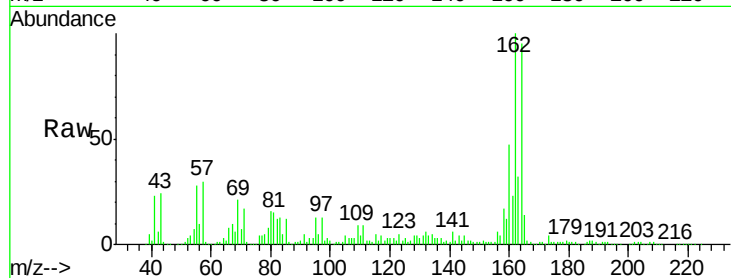
Tot Ion:164 Resp: 490308

Ion Ratio Lower Upper

164 100

162 105.8 85.1 127.7

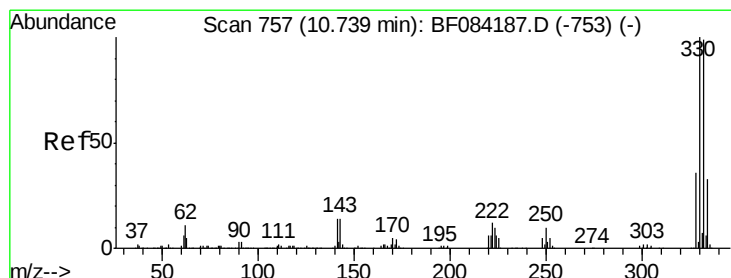
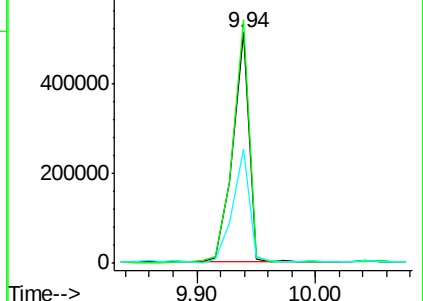
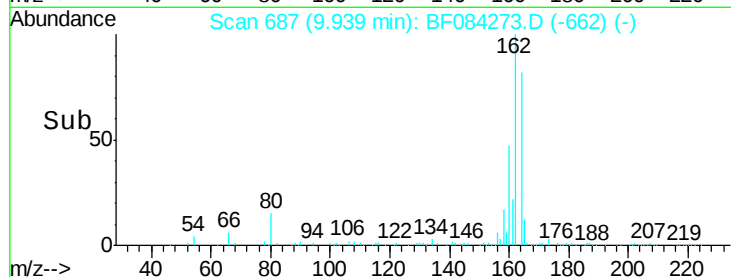
160 49.7 37.5 56.3



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: 101.37 ng

RT: 10.73 min Scan# 756

Delta R.T. -0.01 min

Lab File: BF084273.D

Acq: 5 Jan 2016 8:43

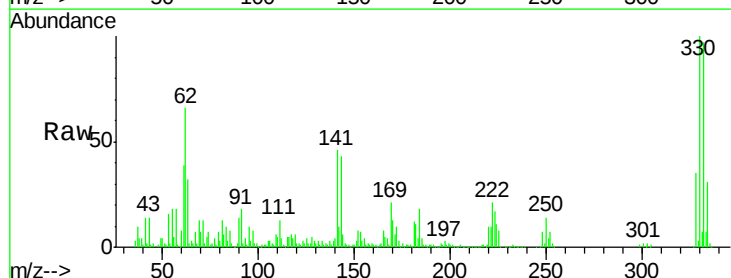
Tgt Ion:330 Resp: 501782

Ion Ratio Lower Upper

330 100

332 97.0 76.6 114.8

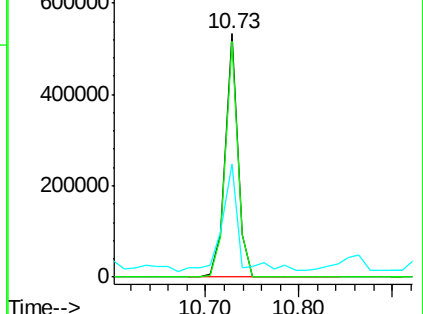
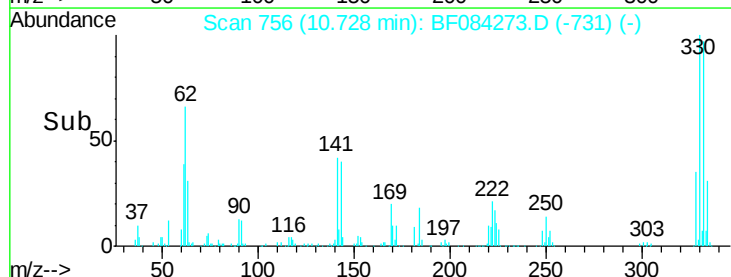
141 50.2 27.8 41.6#

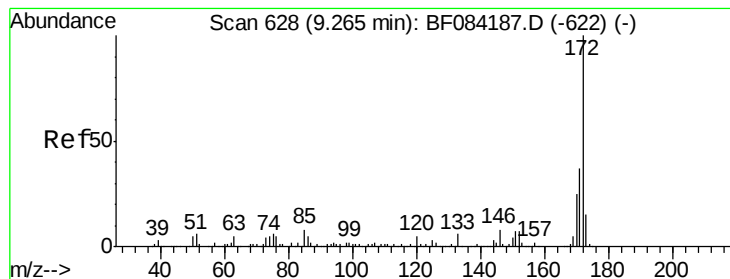


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#44

2-Fluorobiphenyl

Concen: 105.51 ng

RT: 9.26 min Scan# 628

Delta R.T. 0.00 min

Lab File: BF084273.D

Acq: 5 Jan 2016 8:43

Instrument :

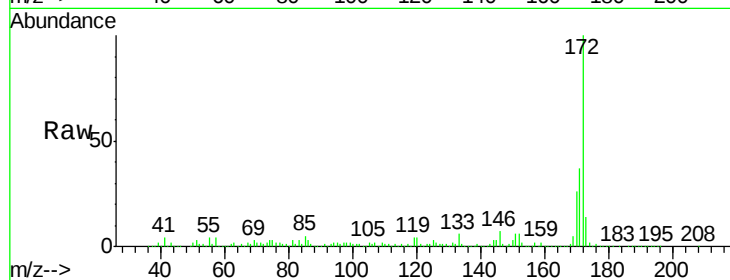
BNA_F

ClientSampleId :

PJ-SB-1(20.0-20.5)

Tot Ion:172 Resp: 2898165

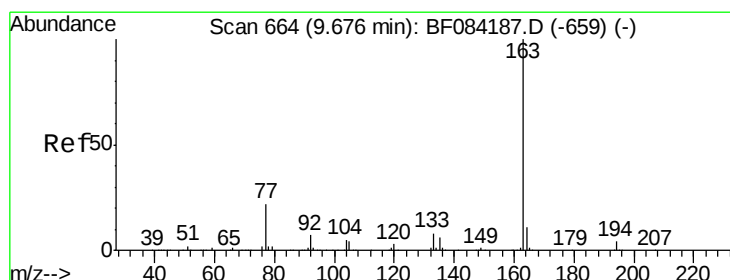
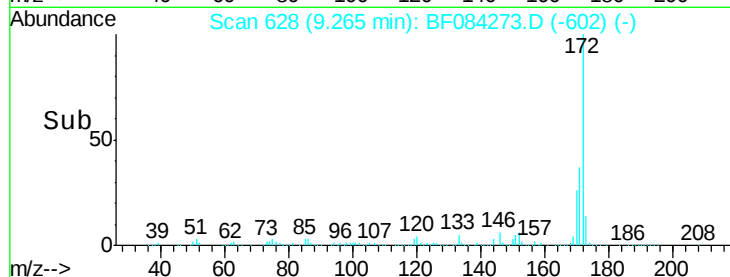
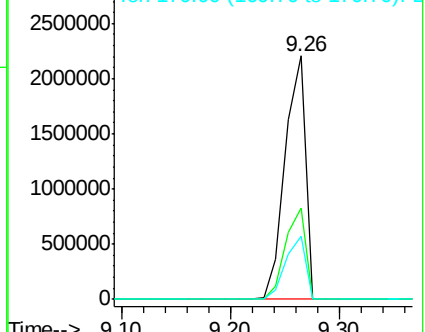
Ion	Ratio	Lower	Upper
172	100		
171	37.4	28.9	43.3
170	25.7	18.6	27.8



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



#49

Dimethylphthalate

Concen: 16.44 ng

RT: 9.65 min Scan# 662

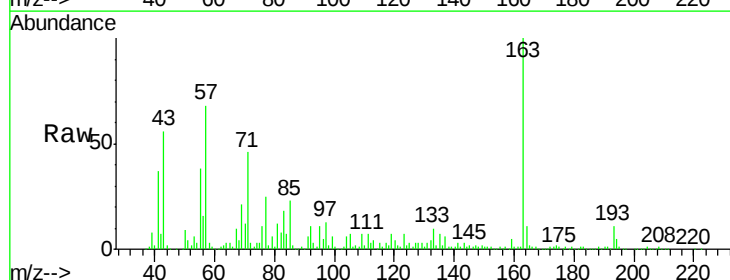
Delta R.T. -0.02 min

Lab File: BF084273.D

Acq: 5 Jan 2016 8:43

Tgt Ion:163 Resp: 576169

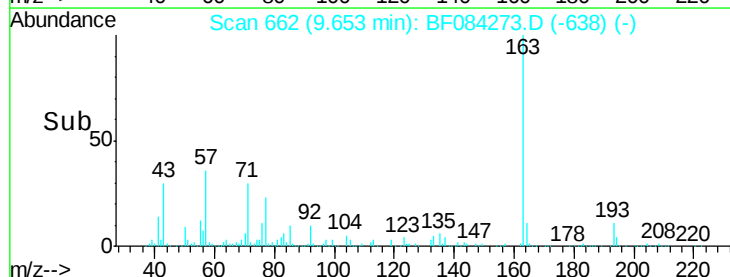
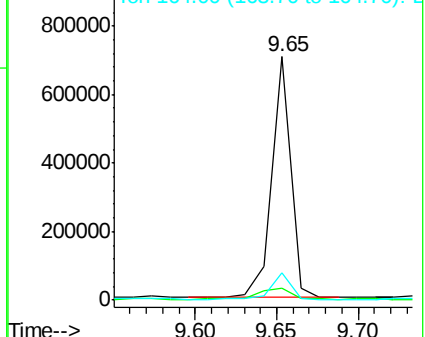
Ion	Ratio	Lower	Upper
163	100		
194	5.2	8.0	12.0#
164	11.0	8.0	12.0

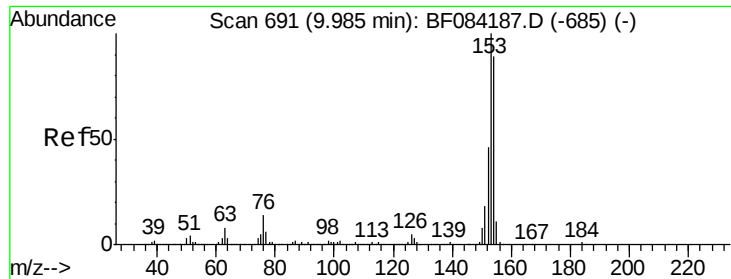


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#51

Acenaphthene

Concen: 2.24 ng

RT: 9.96 min Scan# 689

Delta R.T. -0.02 min

Lab File: BF084273.D

Acq: 5 Jan 2016 8:43

Instrument :

BNA_F

ClientSampleId :

PJ-SB-1(20.0-20.5)

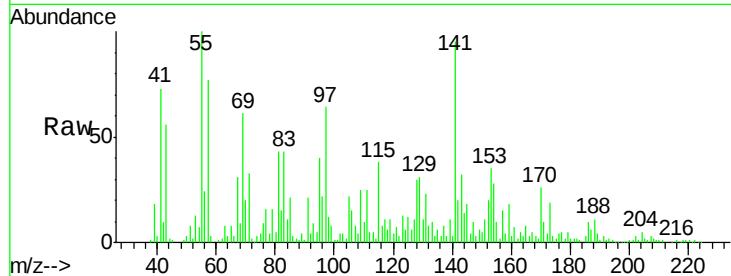
Tot Ion:154 Resp: 67902

Ion Ratio Lower Upper

154 100

153 126.8 91.5 137.3

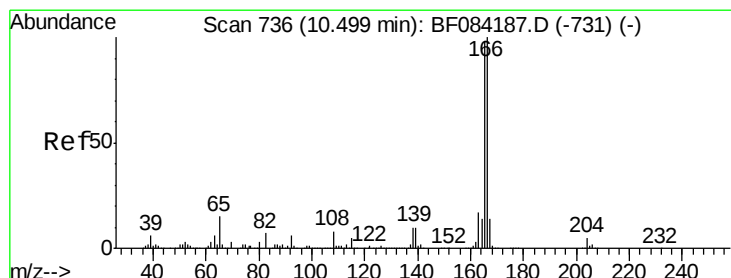
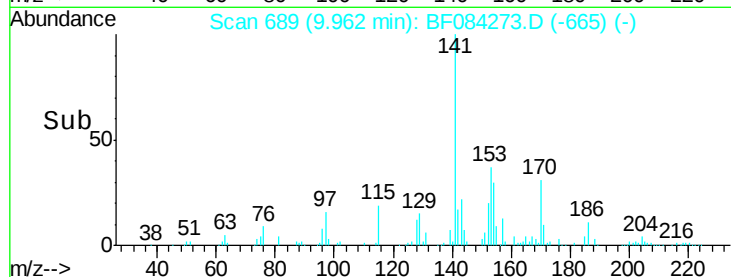
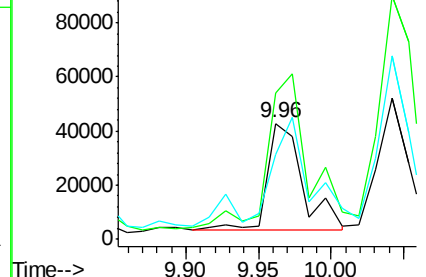
152 73.3 43.0 64.6#



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: 2.17 ng

RT: 10.49 min Scan# 735

Delta R.T. -0.01 min

Lab File: BF084273.D

Acq: 5 Jan 2016 8:43

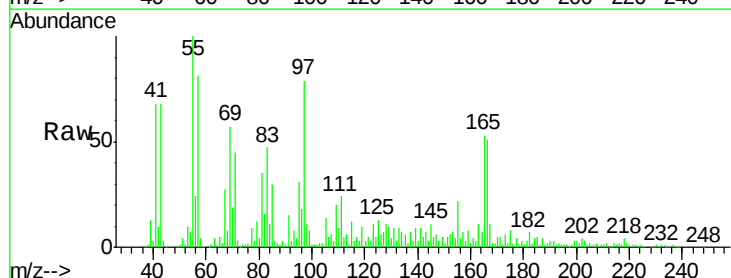
Tgt Ion:166 Resp: 134682

Ion Ratio Lower Upper

166 100

165 105.0 79.1 118.7

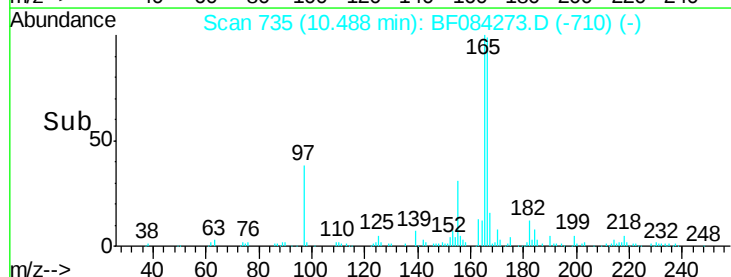
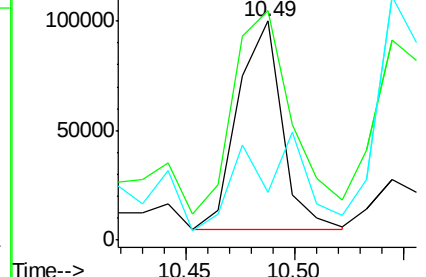
167 22.0 10.4 15.6#

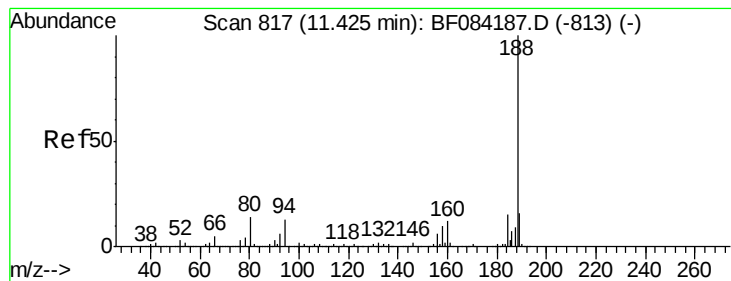


Abundance Ion 166.00 (165.70 to 166.70): E

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: 11.42 min Scan# 817

Delta R.T. 0.00 min

Lab File: BF084273.D

Acq: 5 Jan 2016 8:43

Instrument :

BNA_F

ClientSampleId :

PJ-SB-1(20.0-20.5)

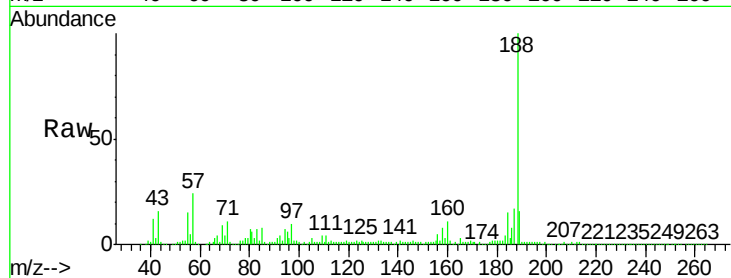
Tot Ion:188 Resp: 850296

Ion Ratio Lower Upper

188 100

94 7.4 9.0 13.4#

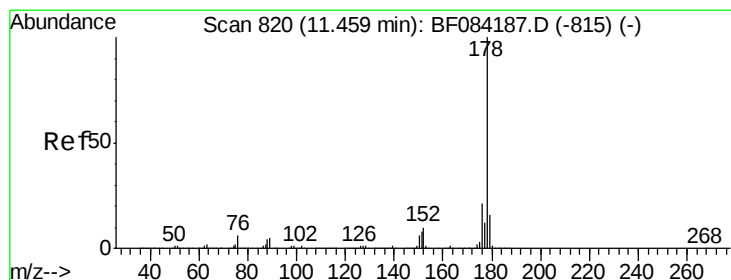
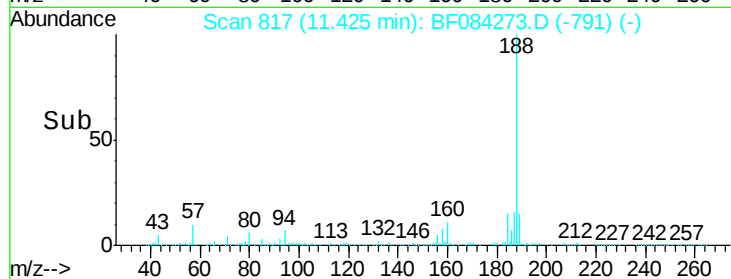
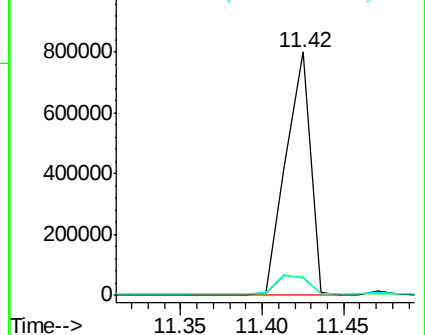
80 7.3 9.6 14.4#



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: 7.30 ng

RT: 11.45 min Scan# 819

Delta R.T. -0.01 min

Lab File: BF084273.D

Acq: 5 Jan 2016 8:43

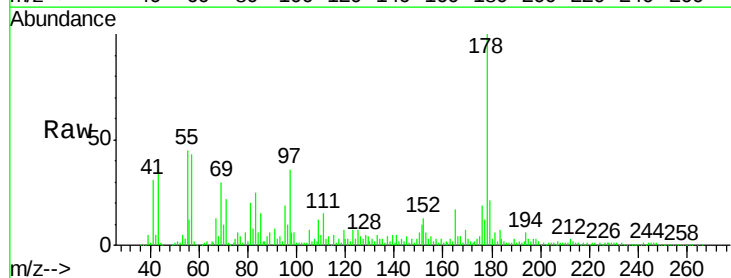
Tgt Ion:178 Resp: 324468

Ion Ratio Lower Upper

178 100

176 18.6 15.3 22.9

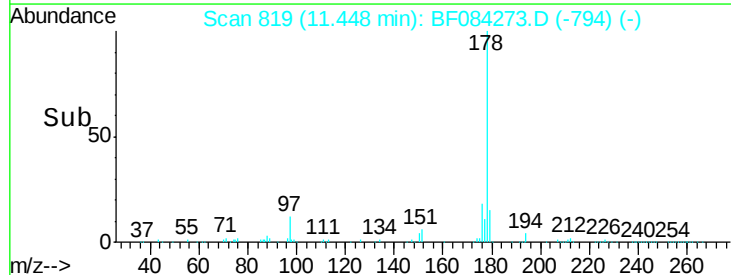
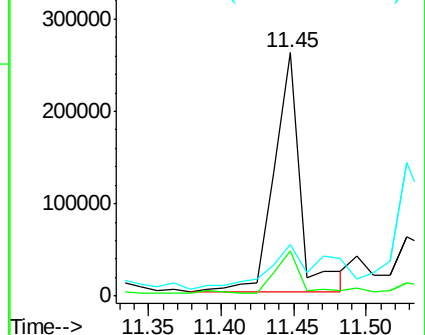
179 21.2 12.0 18.0#

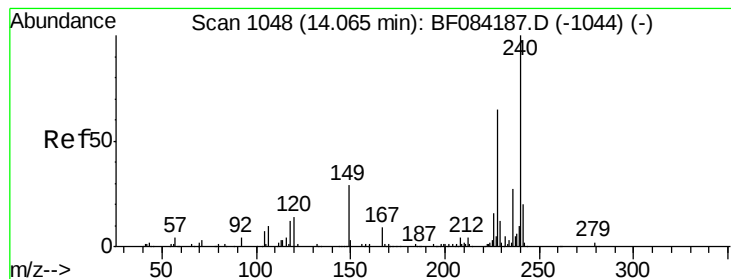


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.05 min Scan# 1047

Delta R.T. -0.01 min

Lab File: BF084273.D

Acq: 5 Jan 2016 8:43

Instrument :

BNA_F

ClientSampleId :

PJ-SB-1(20.0-20.5)

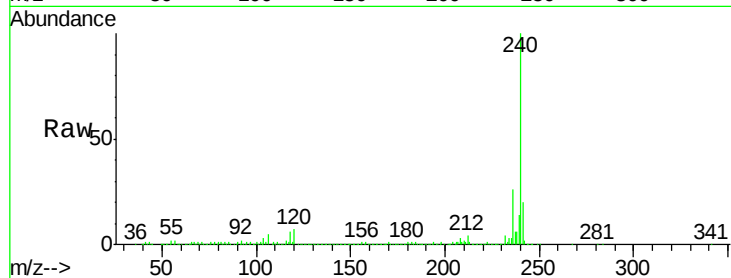
Tot Ion:240 Resp: 621235

Ion Ratio Lower Upper

240 100

120 7.3 9.5 14.3#

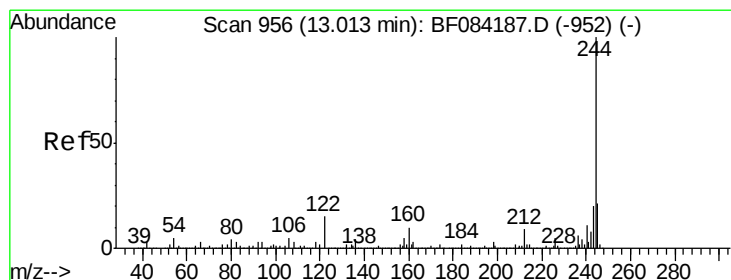
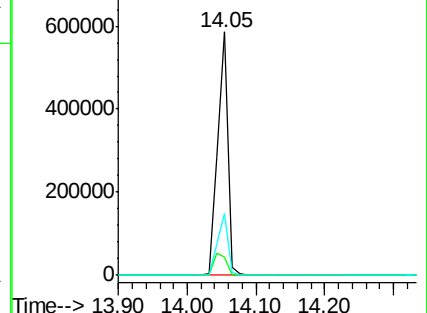
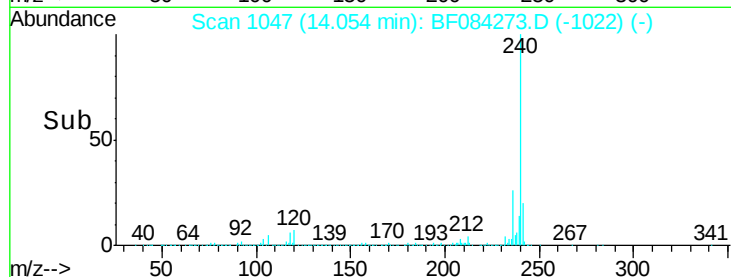
236 25.5 20.6 31.0



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: 76.70 ng

RT: 13.00 min Scan# 955

Delta R.T. -0.01 min

Lab File: BF084273.D

Acq: 5 Jan 2016 8:43

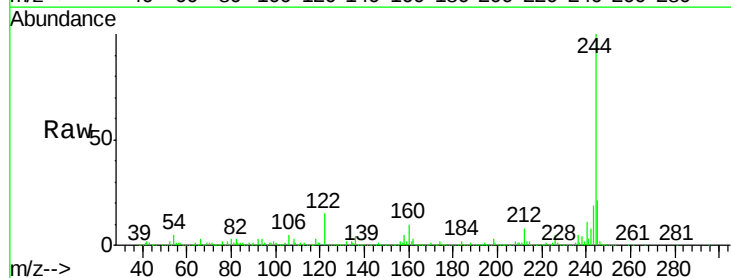
Tgt Ion:244 Resp: 2134544

Ion Ratio Lower Upper

244 100

212 8.2 5.7 8.5

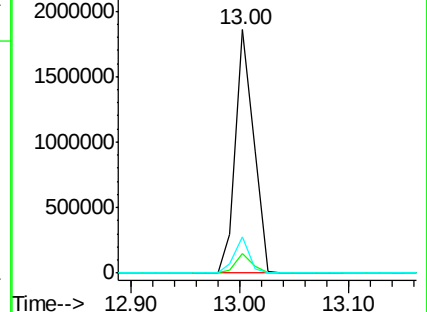
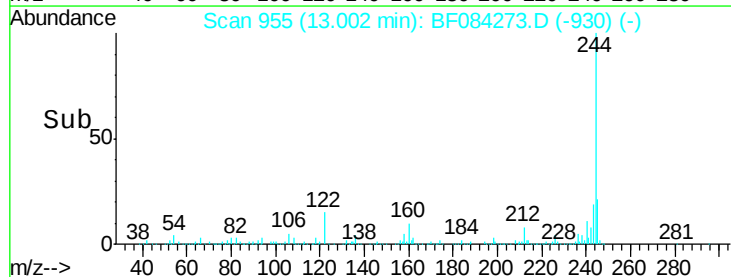
122 14.9 7.4 11.0#

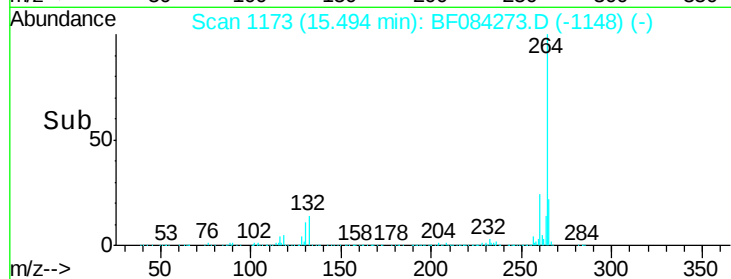
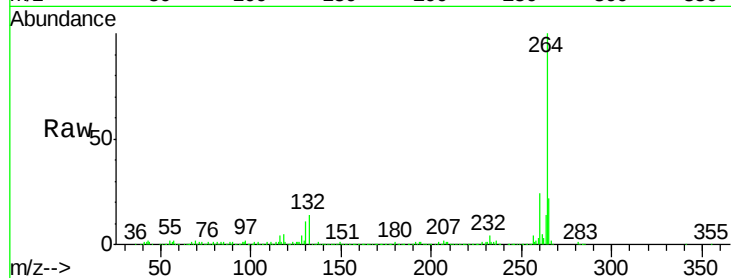
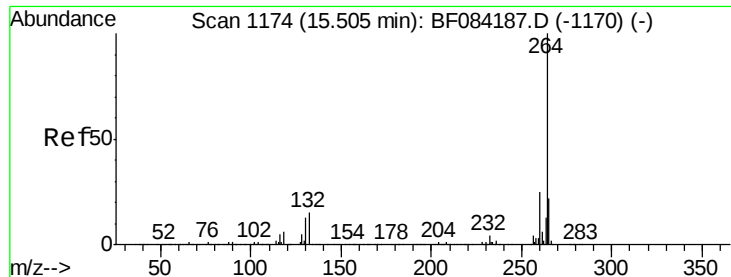


Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.49 min Scan# 1173

Delta R.T. -0.01 min

Lab File: BF084273.D

Acq: 5 Jan 2016 8:43

Instrument :

BNA_F

ClientSampleId :

PJ-SB-1(20.0-20.5)

Tot Ion:264 Resp: 571585

Ion Ratio Lower Upper

264 100

260 24.0 19.4 29.2

265 22.3 17.8 26.6

