

Data Path : Z:\HPCHEM1\BNA F\DATA\BF010416\
 Data File : BF084277.D
 Acq On : 5 Jan 2016 10:34
 Operator : UM/SJ
 Sample : G4949-04
 Misc :
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PJ-SB-2(19.0-19.5)

Quant Time: Jan 05 11:58:09 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

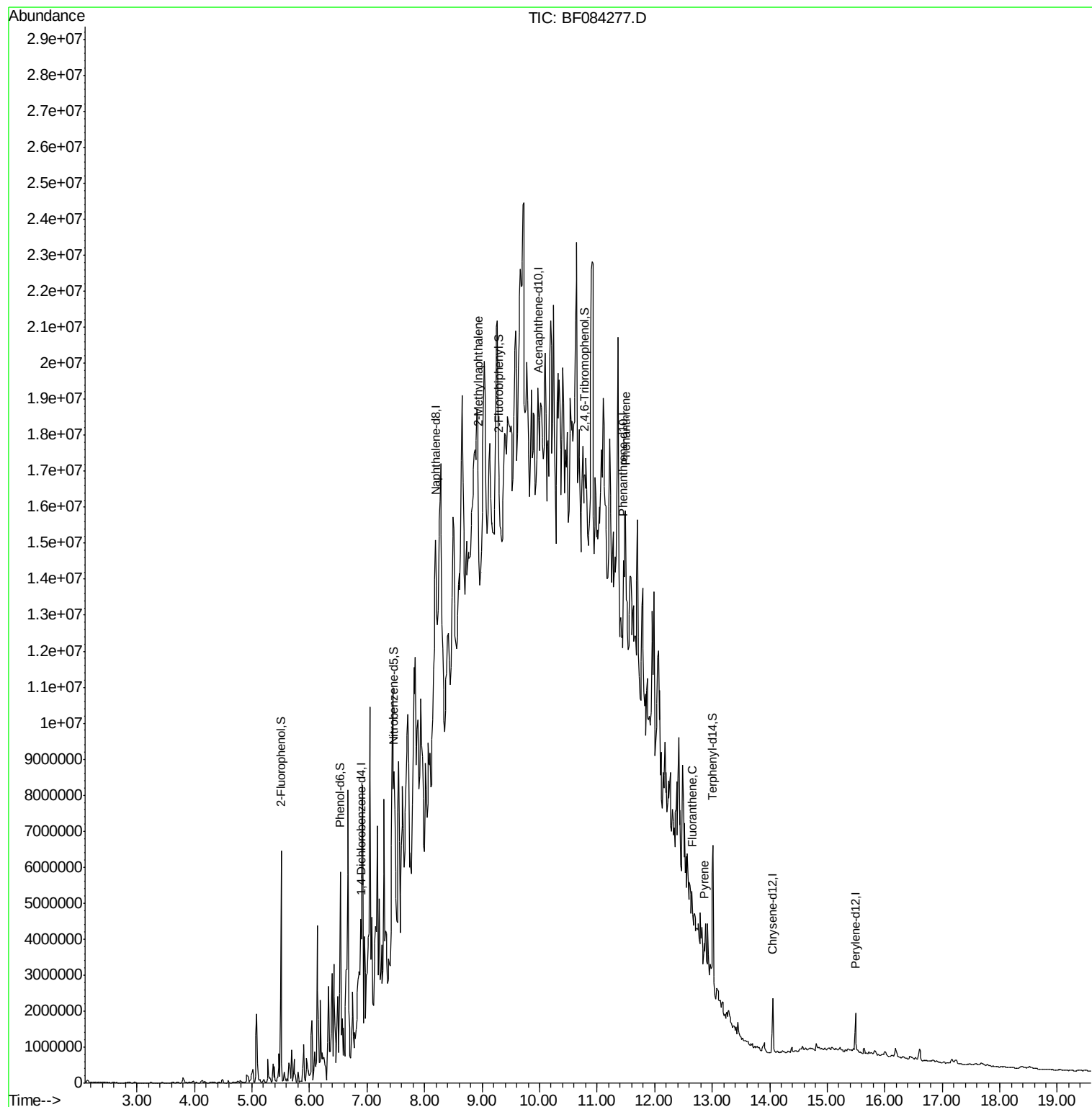
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	237014	20.00	ng	0.00
21) Naphthalene-d8	8.19	136	695310	20.00	ng	0.00
38) Acenaphthene-d10	9.98	164	239784	20.00	ng	0.03
63) Phenanthrene-d10	11.46	188	387190	20.00	ng	0.03
75) Chrysene-d12	14.05	240	532894	20.00	ng	-0.01
86) Perylene-d12	15.49	264	507446	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	1675366	114.33	ng	0.01
7) Phenol-d6	6.53	99	2601529	141.36	ng	0.00
23) Nitrobenzene-d5	7.46	82	1698696	135.97	ng	-0.01
41) 2,4,6-Tribromophenol	10.77	330	189901	78.44	ng	0.03
44) 2-Fluorobiphenyl	9.29	172	1680404	126.36	ng	0.02
78) Terphenyl-d14	13.01	244	1672513	70.06	ng	0.00
Target Compounds						
37) 2-Methylnaphthalene	8.93	142	2756573	121.73	ng	# 95
70) Phenanthrene	11.49	178	3058860	151.03	ng	# 91
74) Fluoranthene	12.65	202	174226	8.23	ng	87
77) Pyrene	12.87	202	329903	7.89	ng	# 95

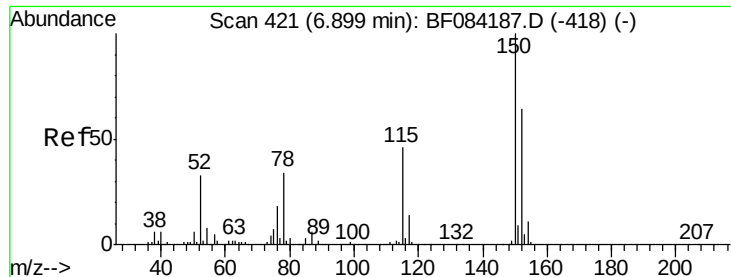
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jan 05 11:58:09 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: 6.90 min Scan# 421

Delta R.T. 0.00 min

Lab File: BF084277.D

Acq: 5 Jan 2016 10:34

Instrument :

BNA_F

ClientSampleId :

PJ-SB-2(19.0-19.5)

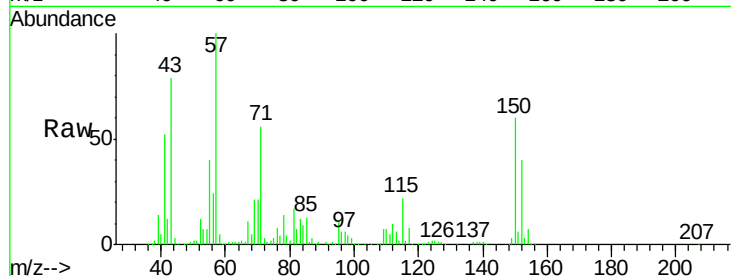
Tot Ion:152 Resp: 237014

Ion Ratio Lower Upper

152 100

150 148.8 123.0 184.4

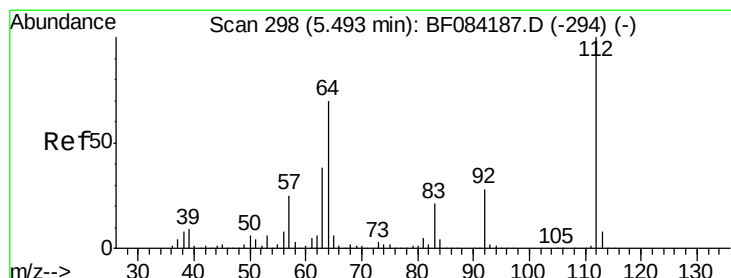
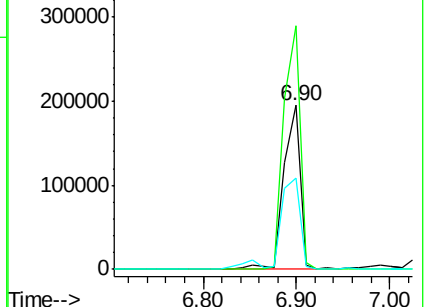
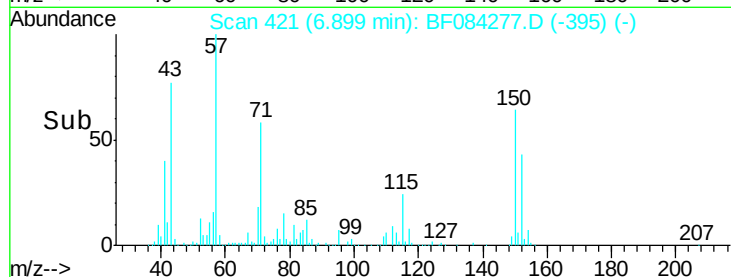
115 55.6 51.4 77.2



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: 114.33 ng

RT: 5.50 min Scan# 299

Delta R.T. 0.01 min

Lab File: BF084277.D

Acq: 5 Jan 2016 10:34

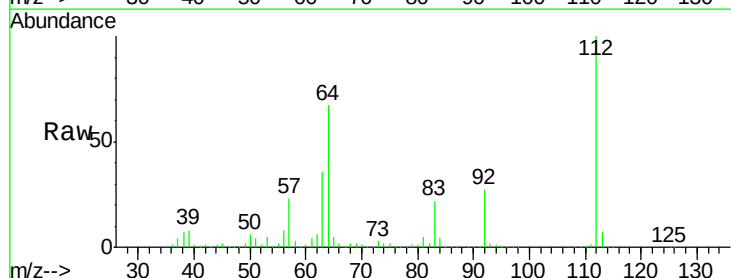
Tgt Ion:112 Resp: 1675366

Ion Ratio Lower Upper

112 100

64 66.6 36.6 55.0#

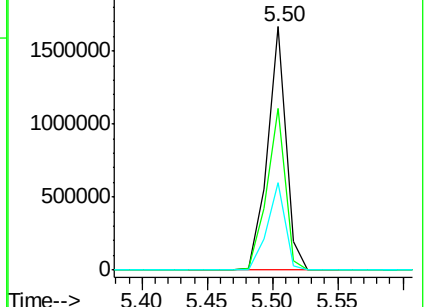
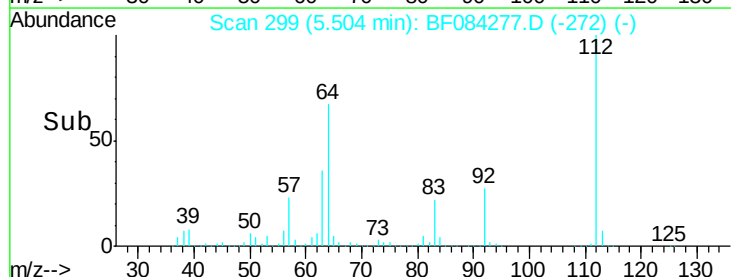
63 35.8 19.4 29.0#

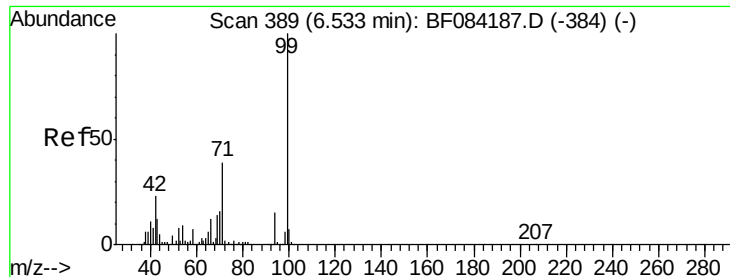


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 141.36 ng

RT: 6.53 min Scan# 389

Delta R.T. 0.00 min

Lab File: BF084277.D

Acq: 5 Jan 2016 10:34

Instrument :

BNA_F

ClientSampleId :

PJ-SB-2(19.0-19.5)

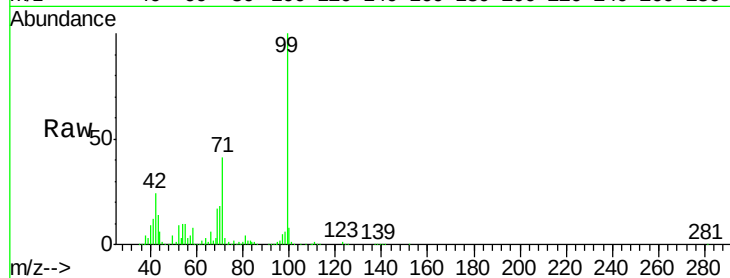
Tot Ion: 99 Resp: 2601529

Ion Ratio Lower Upper

99 100

42 24.4 12.8 19.2#

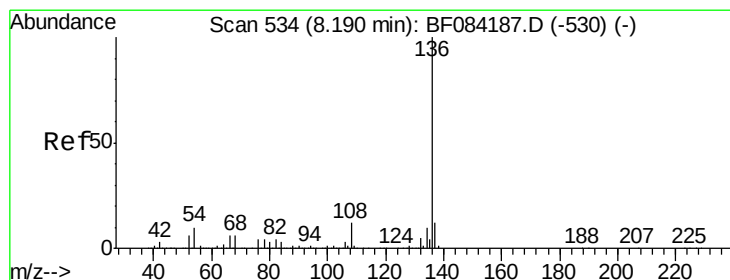
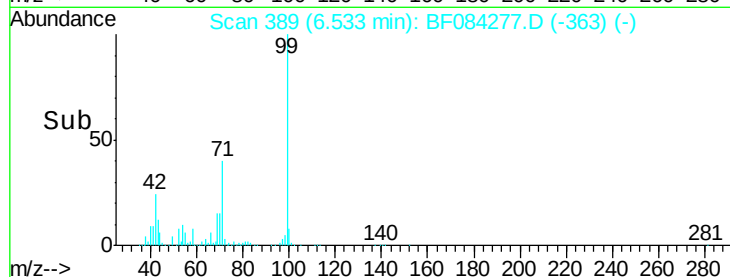
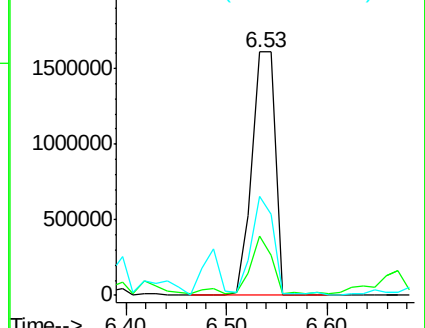
71 40.5 30.9 46.3



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: 8.19 min Scan# 534

Delta R.T. 0.00 min

Lab File: BF084277.D

Acq: 5 Jan 2016 10:34

Tgt Ion: 136 Resp: 695310

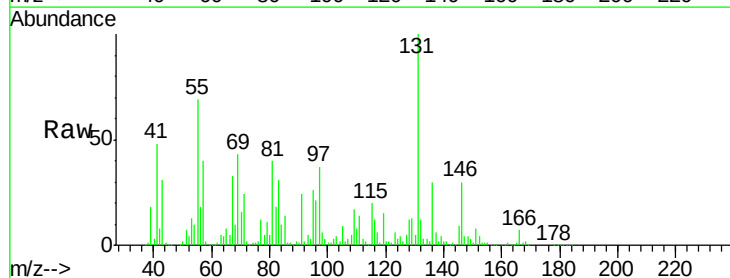
Ion Ratio Lower Upper

136 100

137 20.7 8.7 13.1#

54 32.4 5.8 8.8#

68 33.9 4.2 6.2#

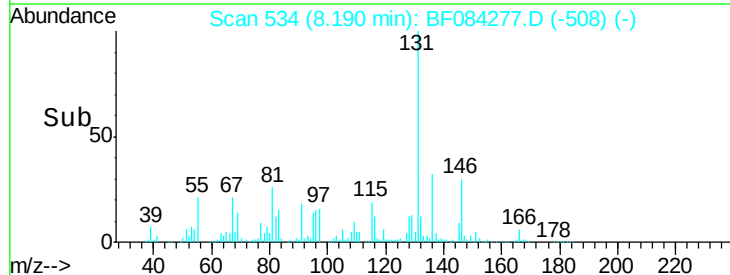
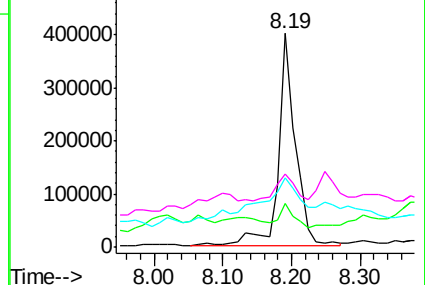


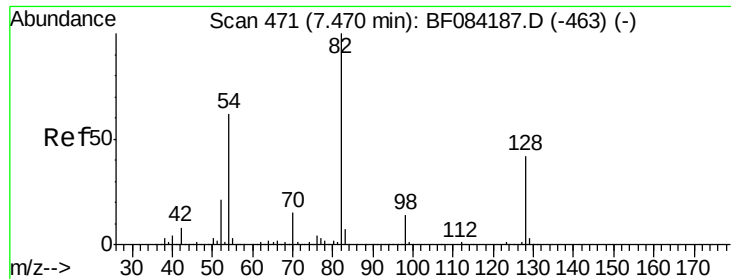
Abundance Ion 136.00 (135.70 to 136.70): E

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

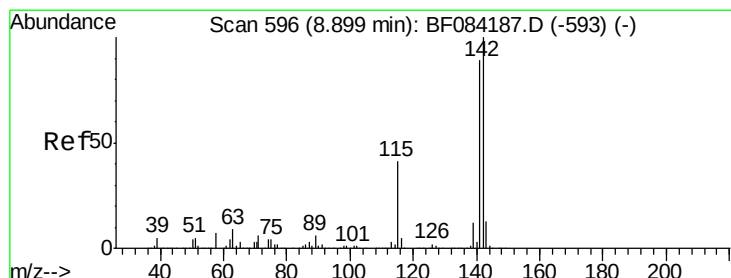
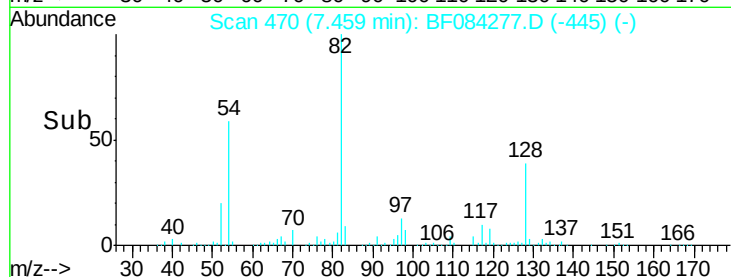
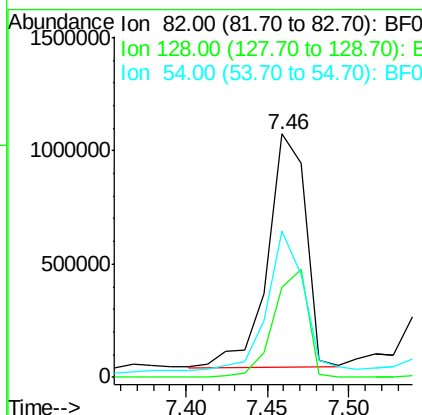
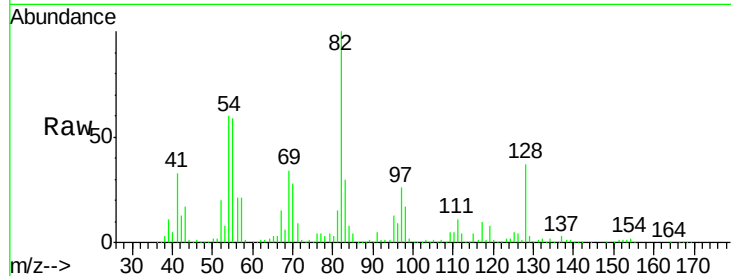




#23
 Nitrobenzene-d5
 Concen: 135.97 ng
 RT: 7.46 min Scan# 470
 Delta R.T. -0.01 min
 Lab File: BF084277.D
 Acq: 5 Jan 2016 10:34

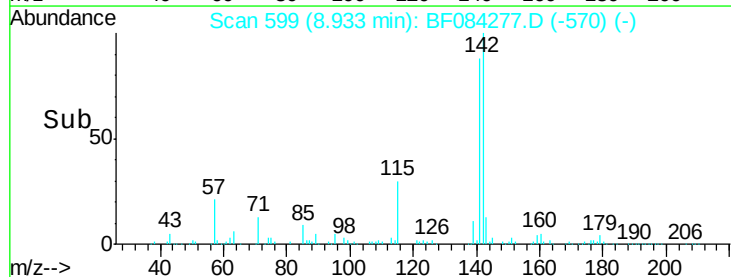
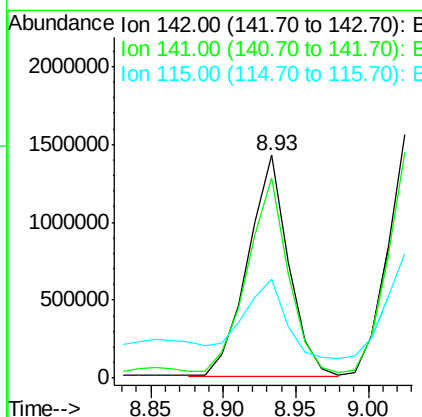
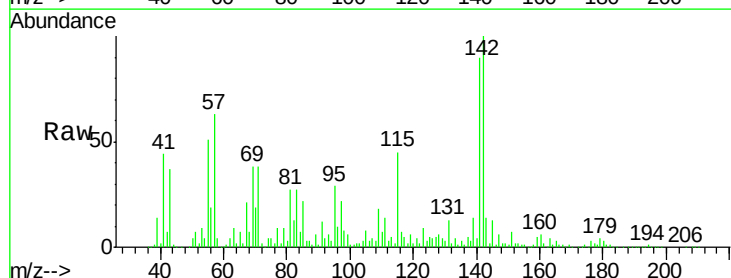
Instrument :
 BNA_F
 ClientSampleId :
 PJ-SB-2(19.0-19.5)

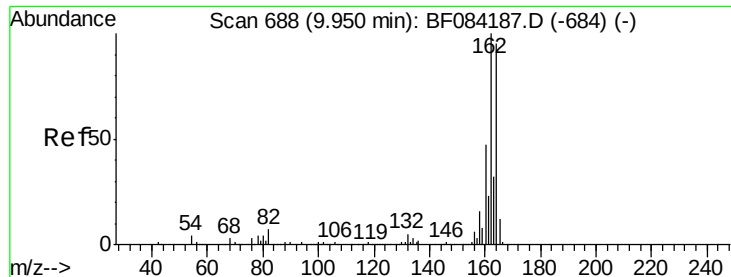
Tot Ion: 82 Resp: 1698696
 Ion Ratio Lower Upper
 82 100
 128 36.8 34.6 51.8
 54 60.1 38.4 57.6#



#37
 2-Methylnaphthalene
 Concen: 121.73 ng
 RT: 8.93 min Scan# 599
 Delta R.T. 0.03 min
 Lab File: BF084277.D
 Acq: 5 Jan 2016 10:34

Tgt Ion:142 Resp: 2756573
 Ion Ratio Lower Upper
 142 100
 141 89.5 72.4 108.6
 115 44.6 27.9 41.9#





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.98 min Scan# 691

Delta R.T. 0.03 min

Lab File: BF084277.D

Acq: 5 Jan 2016 10:34

Instrument :

BNA_F

ClientSampleId :

PJ-SB-2(19.0-19.5)

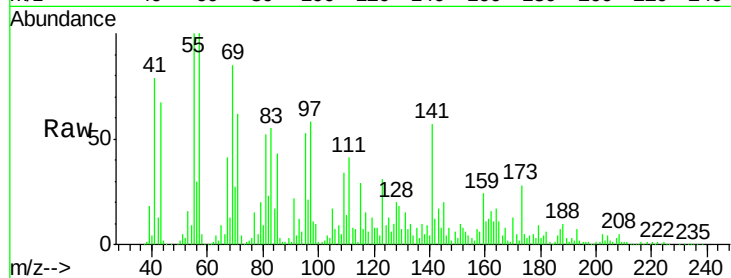
Tot Ion:164 Resp: 239784

Ion Ratio Lower Upper

164 100

162 95.2 85.1 127.7

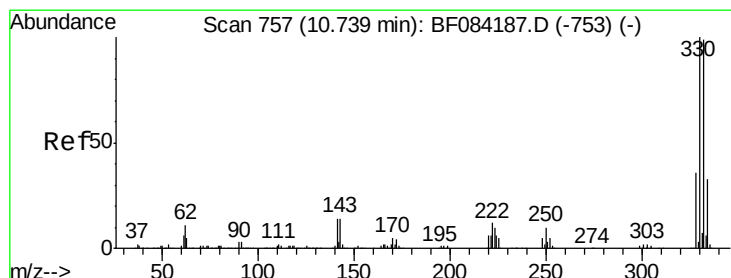
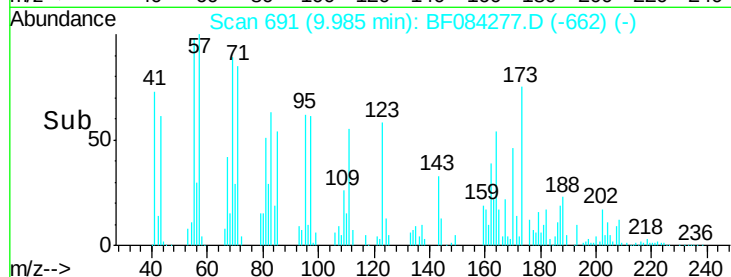
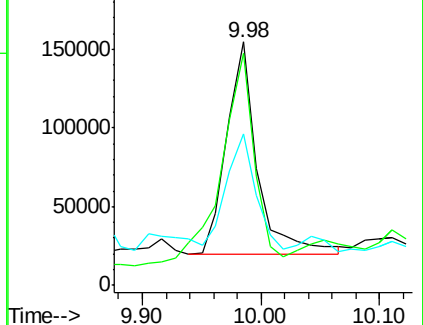
160 62.1 37.5 56.3#



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: 78.44 ng

RT: 10.77 min Scan# 760

Delta R.T. 0.03 min

Lab File: BF084277.D

Acq: 5 Jan 2016 10:34

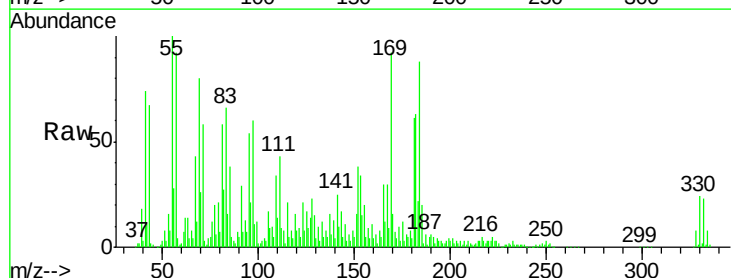
Tgt Ion:330 Resp: 189901

Ion Ratio Lower Upper

330 100

332 96.5 76.6 114.8

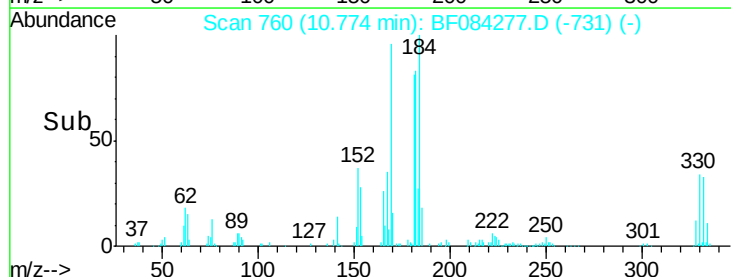
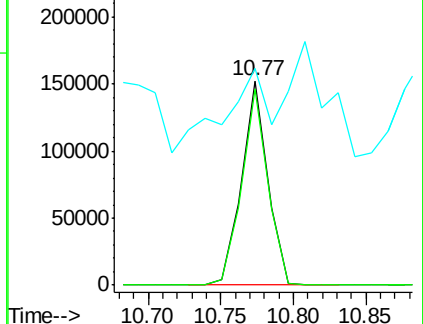
141 30.1 27.8 41.6

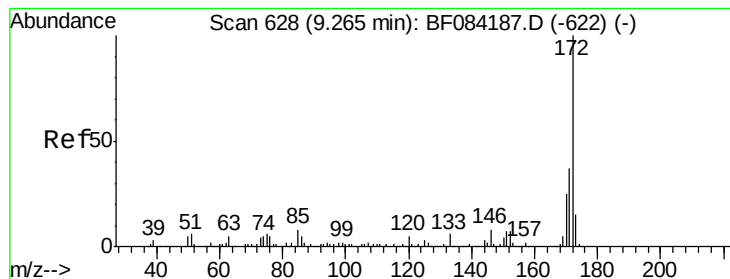


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#44

2-Fluorobiphenyl

Concen: 126.36 ng

RT: 9.29 min Scan# 630

Delta R.T. 0.02 min

Lab File: BF084277.D

Acq: 5 Jan 2016 10:34

Instrument :

BNA_F

ClientSampleId :

PJ-SB-2(19.0-19.5)

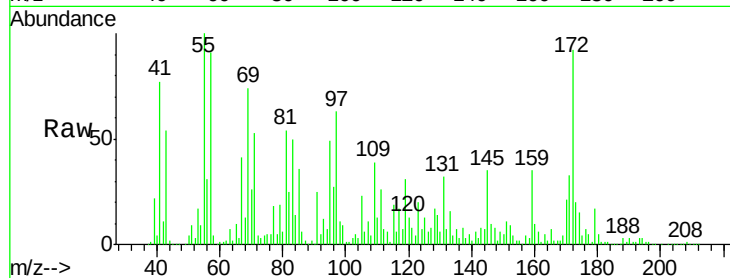
Tot Ion:172 Resp: 1680404

Ion Ratio Lower Upper

172 100

171 35.6 28.9 43.3

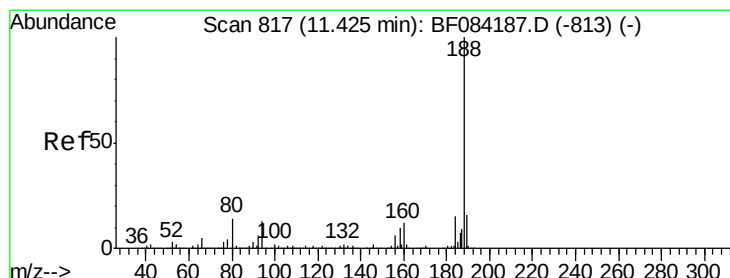
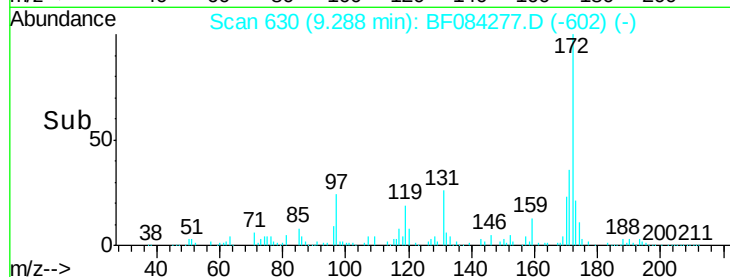
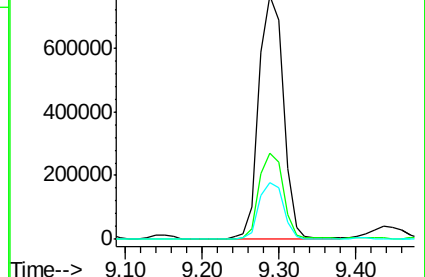
170 23.4 18.6 27.8



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



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.46 min Scan# 820

Delta R.T. 0.03 min

Lab File: BF084277.D

Acq: 5 Jan 2016 10:34

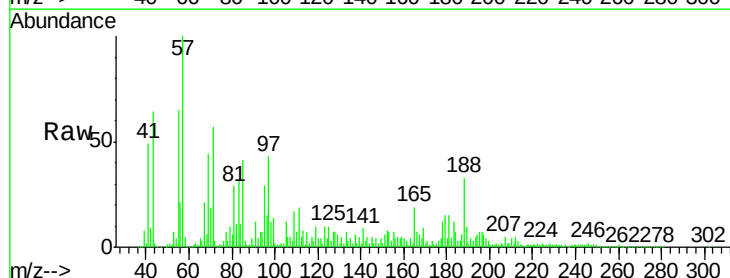
Tgt Ion:188 Resp: 387190

Ion Ratio Lower Upper

188 100

94 20.1 9.0 13.4#

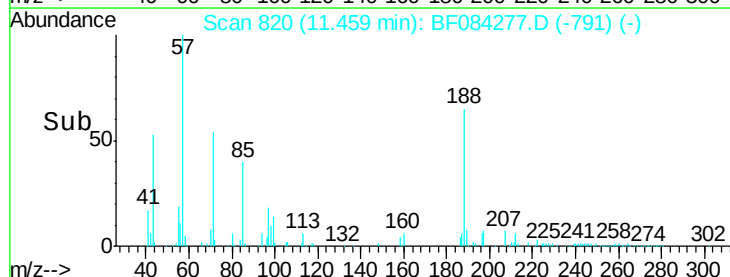
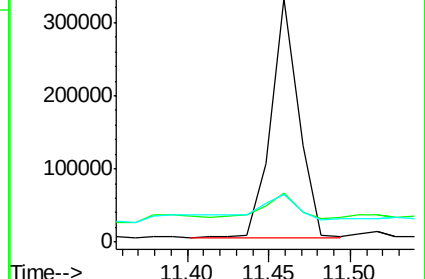
80 19.4 9.6 14.4#

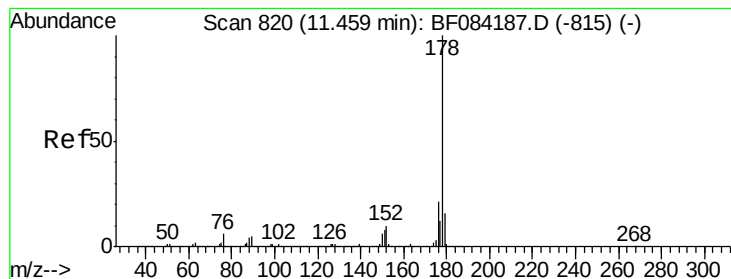


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#70

Phenanthrene

Concen: 151.03 ng

RT: 11.49 min Scan# 823

Delta R.T. 0.03 min

Lab File: BF084277.D

Acq: 5 Jan 2016 10:34

Instrument :

BNA_F

ClientSampleId :

PJ-SB-2(19.0-19.5)

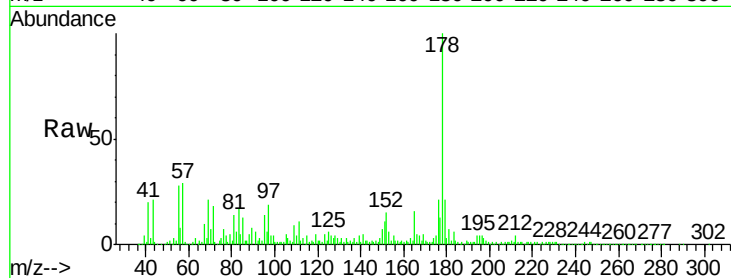
Tot Ion:178 Resp: 3058860

Ion Ratio Lower Upper

178 100

176 21.0 15.3 22.9

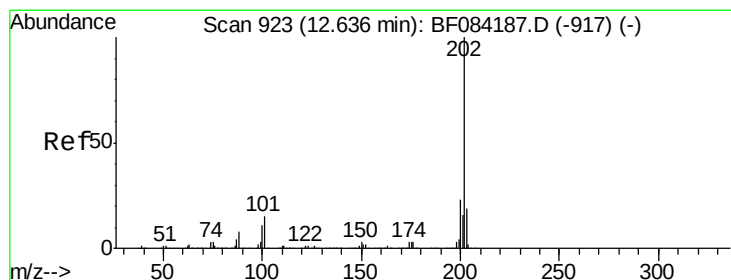
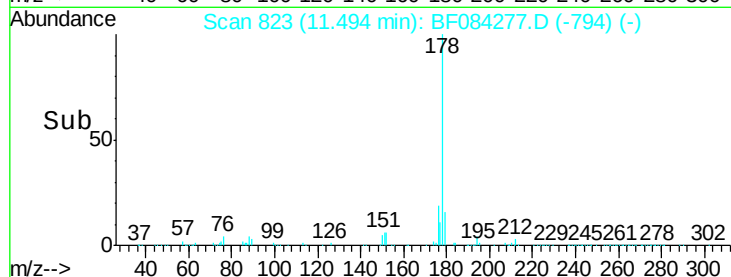
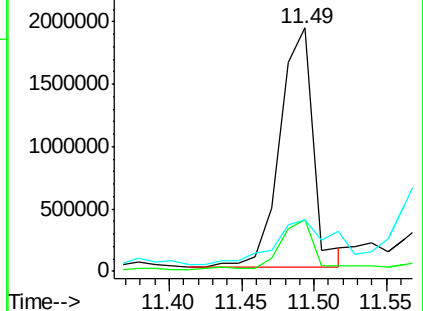
179 21.5 12.0 18.0#



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: 8.23 ng

RT: 12.65 min Scan# 924

Delta R.T. 0.01 min

Lab File: BF084277.D

Acq: 5 Jan 2016 10:34

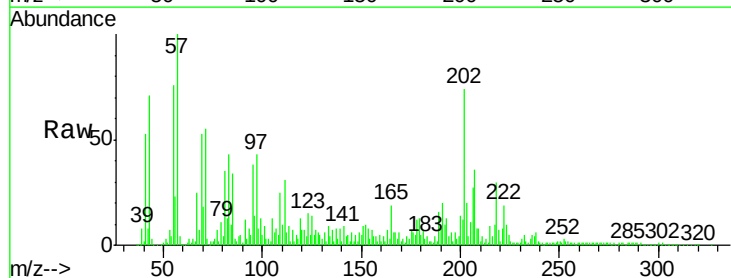
Tgt Ion:202 Resp: 174226

Ion Ratio Lower Upper

202 100

101 12.1 0.0 32.8

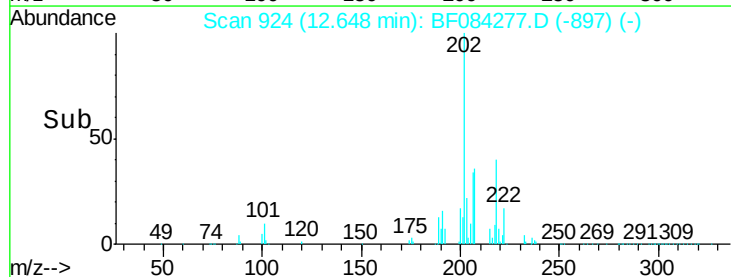
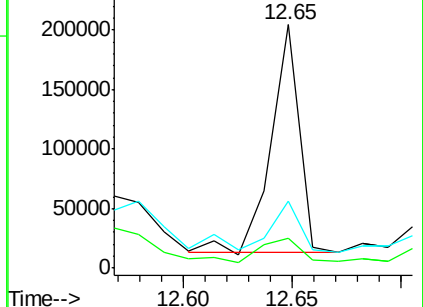
203 27.3 0.0 37.9

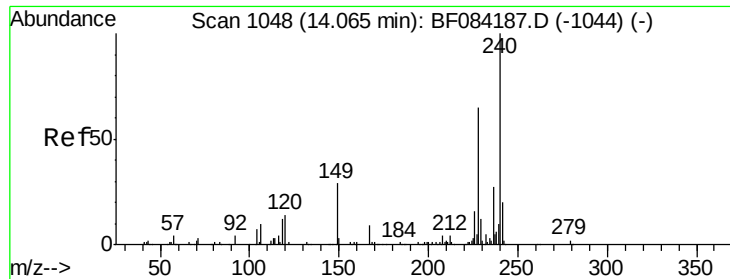


Abundance Ion 202.00 (201.70 to 202.70): E

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: 14.05 min Scan# 1047

Delta R.T. -0.01 min

Lab File: BF084277.D

Acq: 5 Jan 2016 10:34

Instrument :

BNA_F

ClientSampleId :

PJ-SB-2(19.0-19.5)

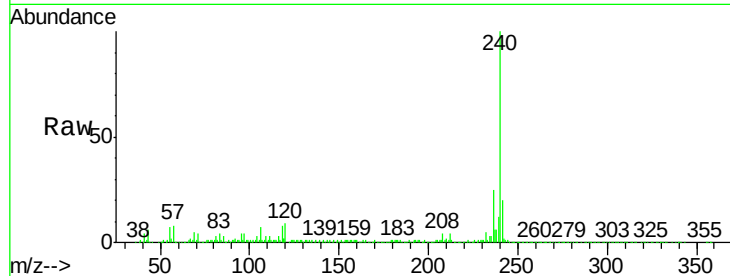
Tot Ion:240 Resp: 532894

Ion Ratio Lower Upper

240 100

120 9.4 9.5 14.3#

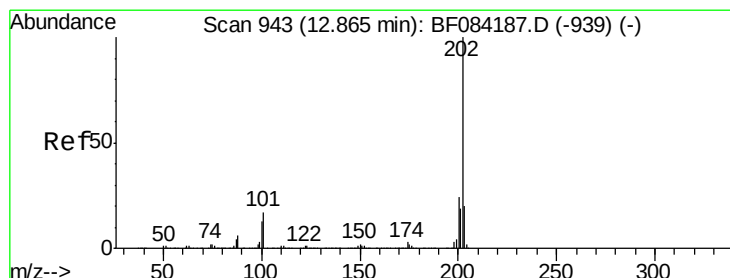
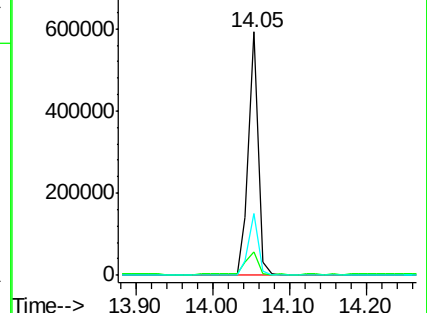
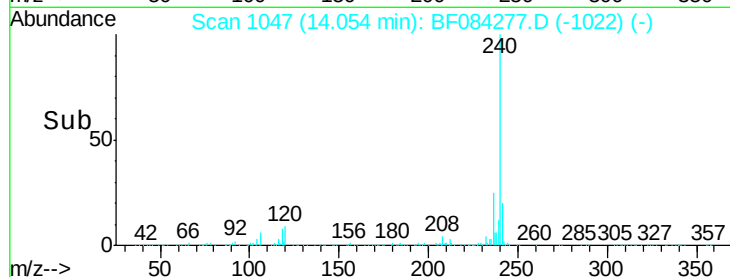
236 25.4 20.6 31.0



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



#77

Pyrene

Concen: 7.89 ng

RT: 12.87 min Scan# 943

Delta R.T. 0.00 min

Lab File: BF084277.D

Acq: 5 Jan 2016 10:34

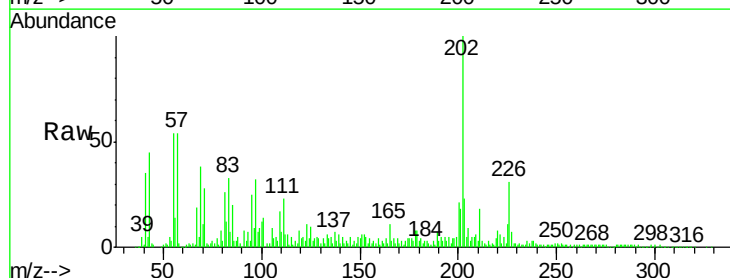
Tgt Ion:202 Resp: 329903

Ion Ratio Lower Upper

202 100

200 21.4 17.2 25.8

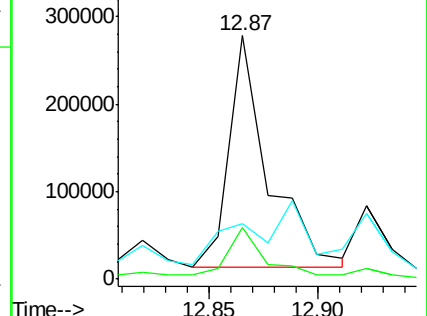
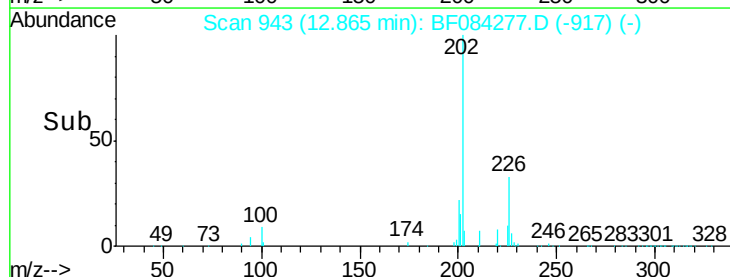
203 23.0 14.3 21.5#

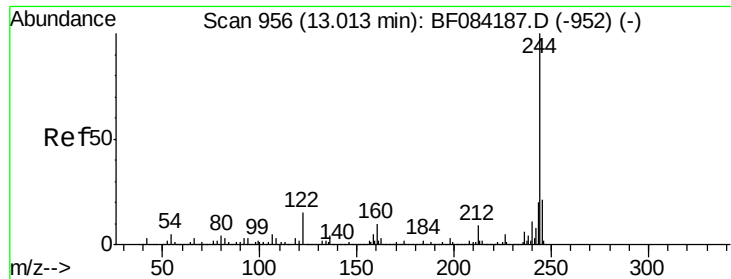


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 70.06 ng

RT: 13.01 min Scan# 956

Delta R.T. 0.00 min

Lab File: BF084277.D

Acq: 5 Jan 2016 10:34

Instrument :

BNA_F

ClientSampleId :

PJ-SB-2(19.0-19.5)

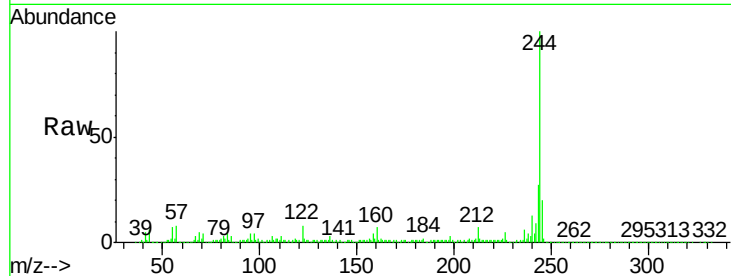
Tot Ion:244 Resp: 1672513

Ion Ratio Lower Upper

244 100

212 7.4 5.7 8.5

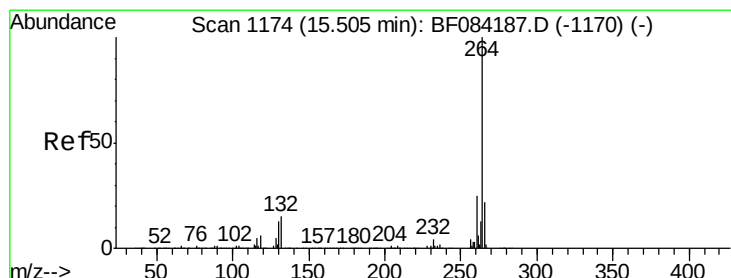
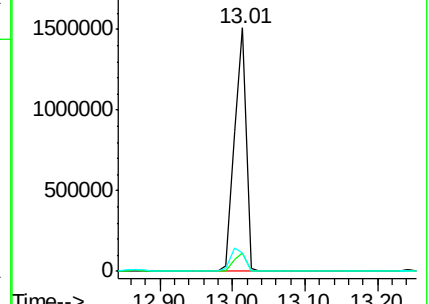
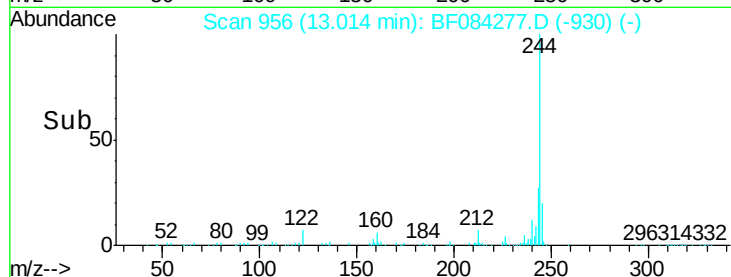
122 7.7 7.4 11.0



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

Perylene-d12

Concen: 20.00 ng

RT: 15.49 min Scan# 1173

Delta R.T. -0.01 min

Lab File: BF084277.D

Acq: 5 Jan 2016 10:34

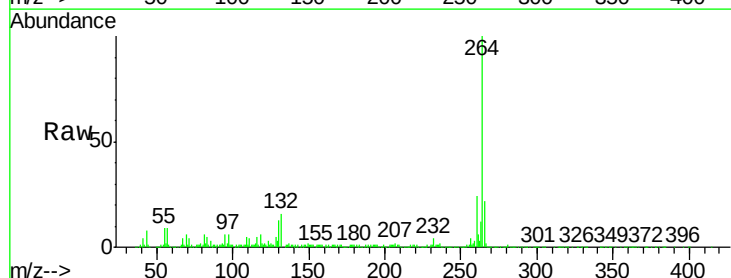
Tgt Ion:264 Resp: 507446

Ion Ratio Lower Upper

264 100

260 23.6 19.4 29.2

265 21.5 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

