

Data Path : Z:\HPCHEM1\BNA F\DATA\BF121915\
 Data File : BF083927.D
 Acq On : 18 Dec 2015 21:49
 Operator : UM/SJ
 Sample : G4838-01DL 10X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC121515-LIQUID-POPHDL

Quant Time: Dec 19 04:53:44 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121815.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 18 14:23:22 2015
 Response via : Initial Calibration

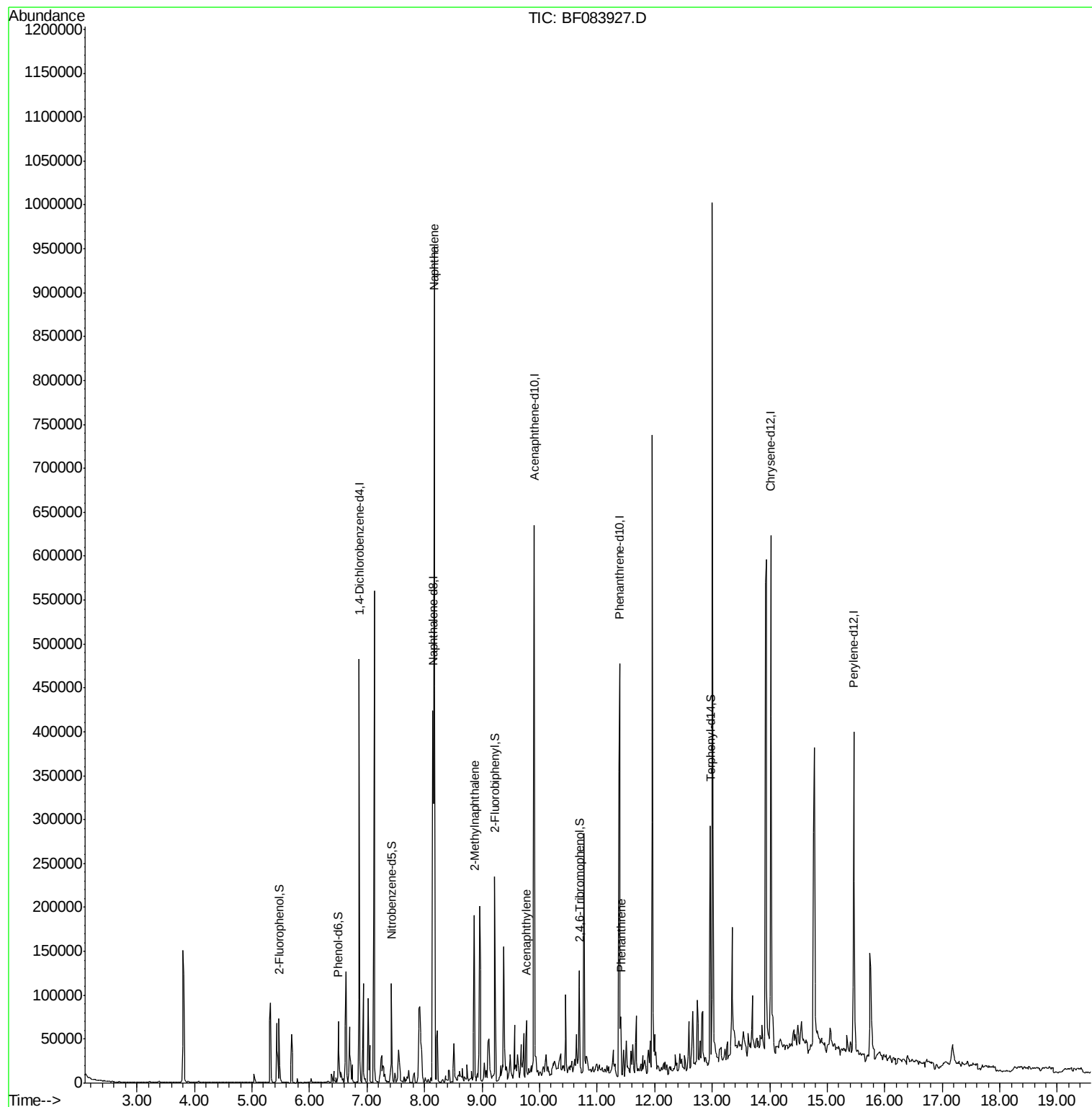
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	72141	20.00	ng	-0.01
21) Naphthalene-d8	8.14	136	237338	20.00	ng	-0.01
38) Acenaphthene-d10	9.90	164	126578	20.00	ng	-0.01
63) Phenanthrene-d10	11.39	188	224717	20.00	ng	0.00
75) Chrysene-d12	14.02	240	230090	20.00	ng	-0.01
86) Perylene-d12	15.46	264	163556	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	22441	4.87	ng	-0.01
7) Phenol-d6	6.50	99	19323	3.42	ng	-0.01
23) Nitrobenzene-d5	7.42	82	33419	8.04	ng	-0.01
41) 2,4,6-Tribromophenol	10.69	330	16413	11.77	ng	-0.01
44) 2-Fluorobiphenyl	9.22	172	77093	6.80	ng	-0.02
78) Terphenyl-d14	12.97	244	81017	2.12	ng	-0.01
Target Compounds						
31) Naphthalene	8.17	128	508835	42.43	ng	99
37) 2-Methylnaphthalene	8.86	142	50572	6.13	ng	99
48) Acenaphthylene	9.77	152	30887	2.09	ng	98
70) Phenanthrene	11.41	178	33143	2.44	ng	98

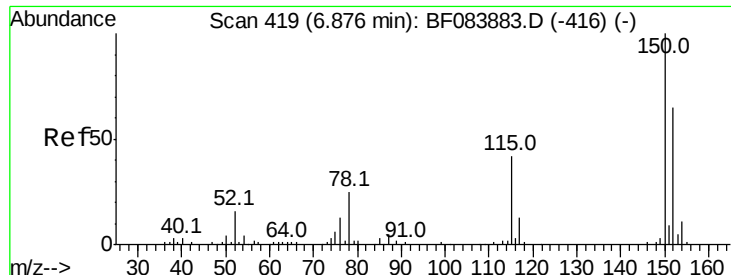
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 18 14:23:22 2015
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.86 min Scan# 418

Delta R.T. -0.01 min

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Instrument :

BNA_F

ClientSampleId :

WC121515-LIQUID-POPHDL

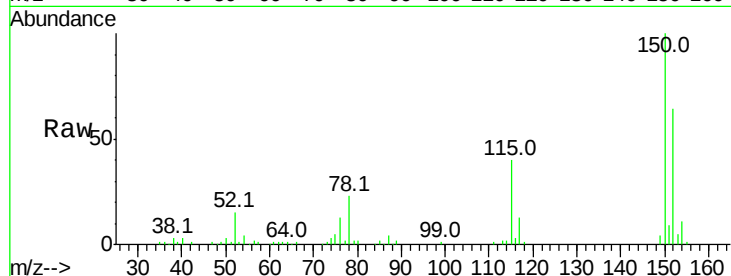
Tot Ion:152 Resp: 72141

Ion Ratio Lower Upper

152 100

150 155.7 123.0 184.4

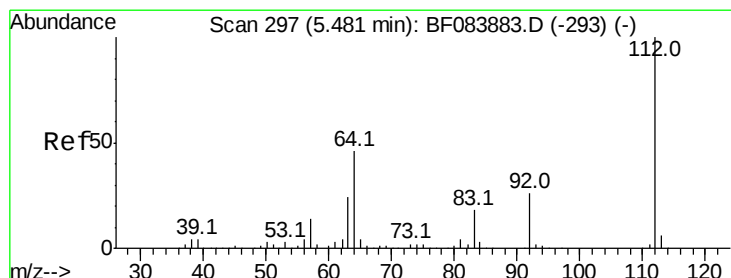
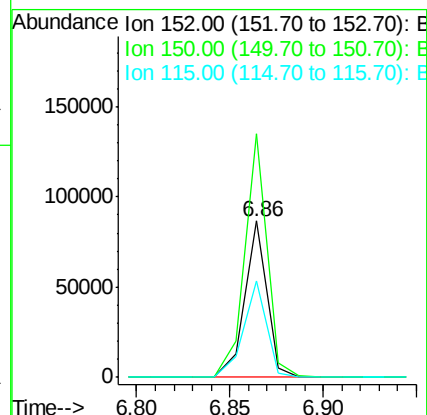
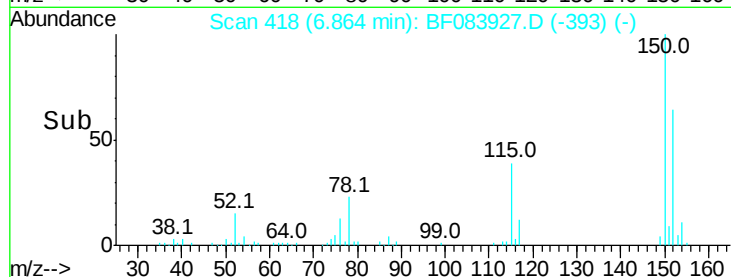
115 61.7 51.4 77.2



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: 4.87 ng

RT: 5.47 min Scan# 296

Delta R.T. -0.01 min

Lab File: BF083927.D

Acq: 18 Dec 2015 21:49

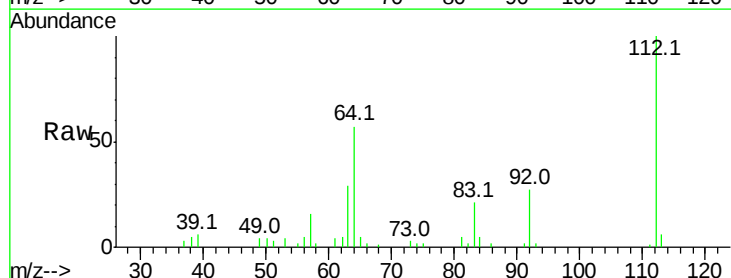
Tgt Ion:112 Resp: 22441

Ion Ratio Lower Upper

112 100

64 57.2 36.6 55.0#

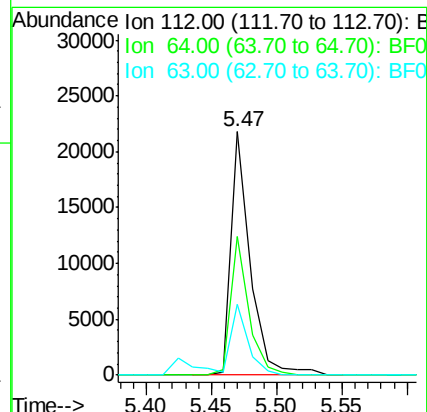
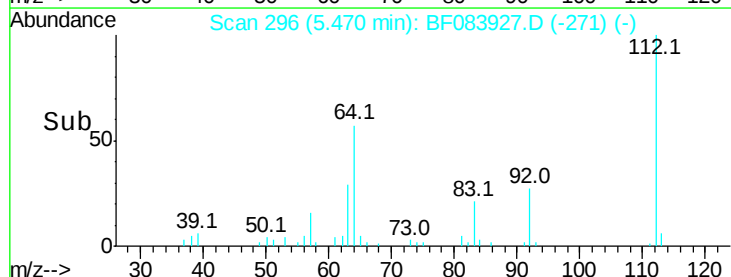
63 29.0 19.4 29.0

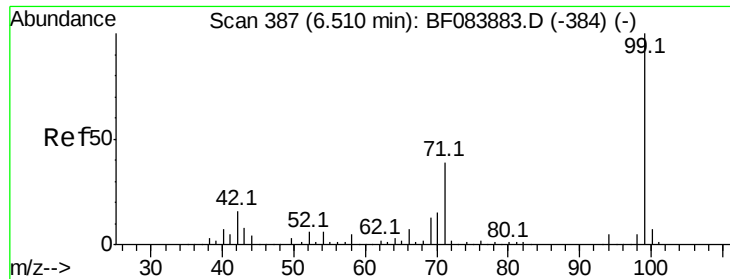


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 3.42 ng

RT: 6.50 min Scan# 386

Delta R.T. -0.01 min

Lab File: BF083927.D

Acq: 18 Dec 2015 21:49

Instrument :

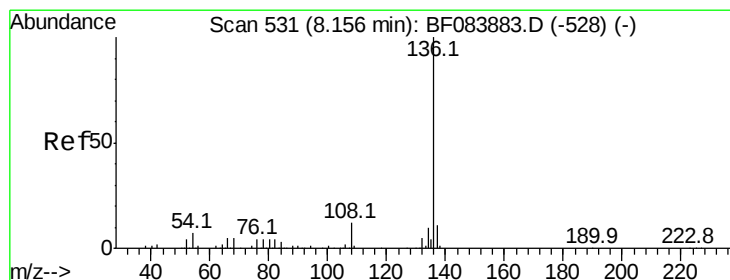
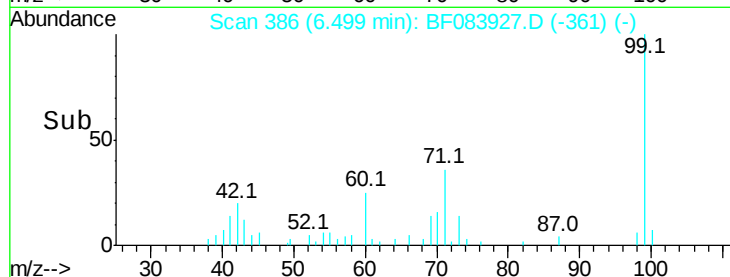
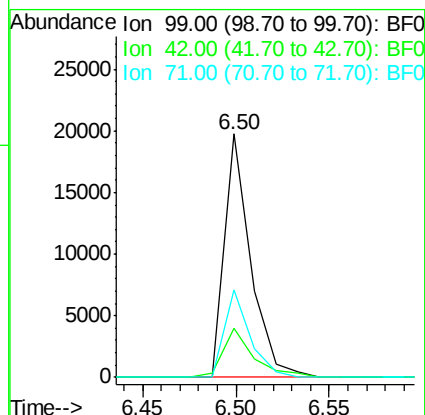
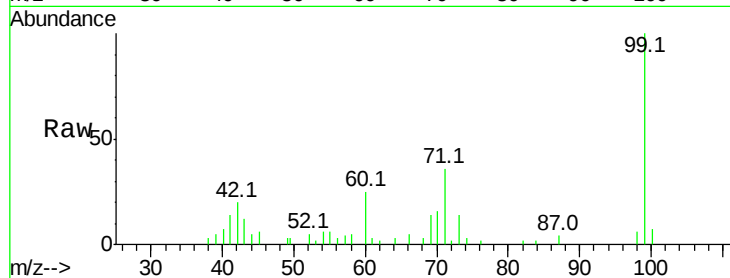
BNA_F

ClientSampleId :

WC121515-LIQUID-POPHDL

Tot Ion: 99 Resp: 19323

Ion	Ratio	Lower	Upper
99	100		
42	19.9	12.8	19.2#
71	36.1	30.9	46.3



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.14 min Scan# 530

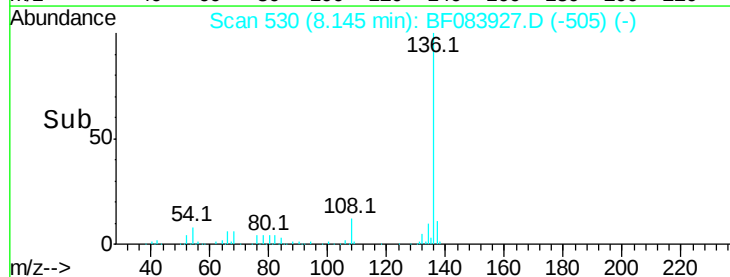
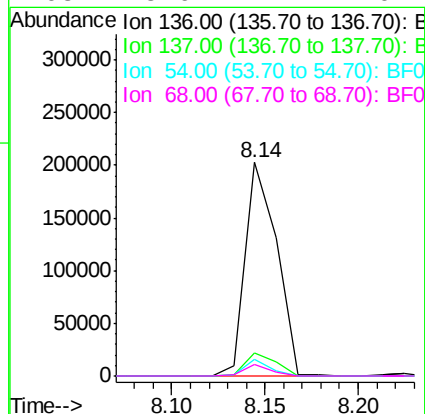
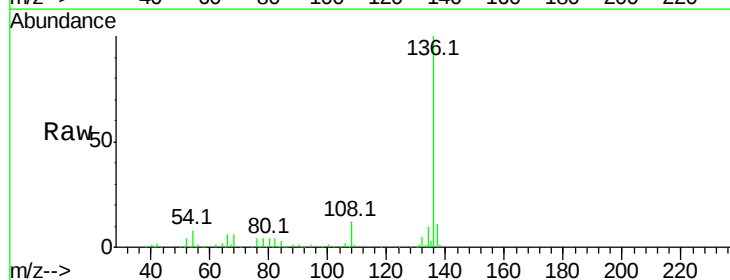
Delta R.T. -0.01 min

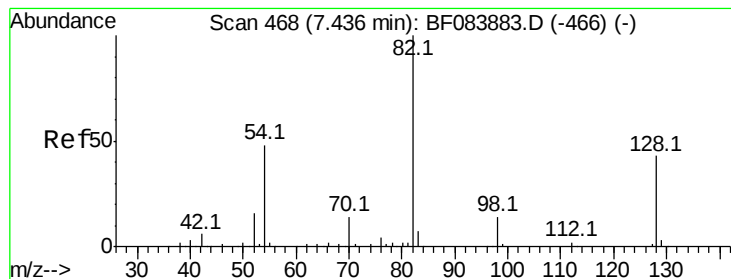
Lab File: BF083927.D

Acq: 18 Dec 2015 21:49

Tgt Ion: 136 Resp: 237338

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.7	13.1
54	7.9	5.8	8.8
68	5.6	4.2	6.2





#23

Nitrobenzene-d5

Concen: 8.04 ng

RT: 7.42 min Scan# 467

Delta R.T. -0.01 min

Lab File: BF083927.D

Acq: 18 Dec 2015 21:49

Instrument :

BNA_F

ClientSampleId :

WC121515-LIQUID-POPHDL

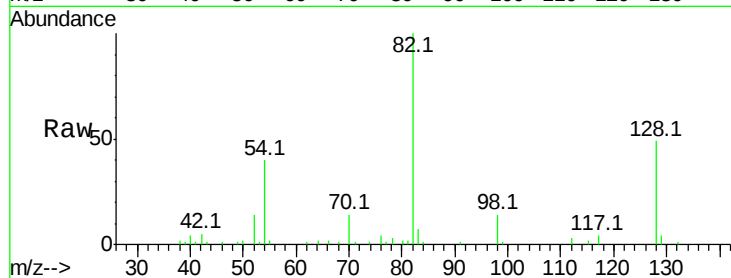
Tot Ion: 82 Resp: 33419

Ion Ratio Lower Upper

82 100

128 49.4 34.6 51.8

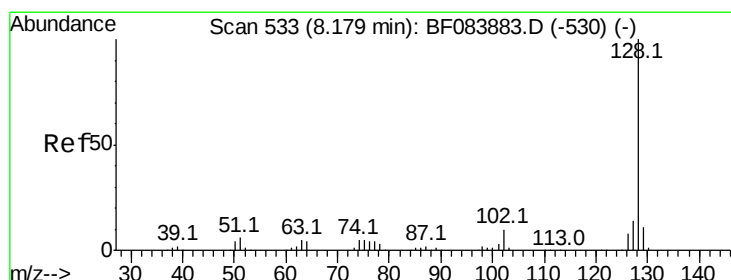
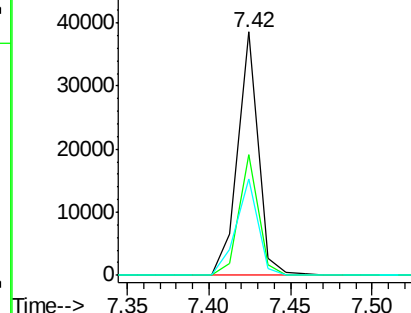
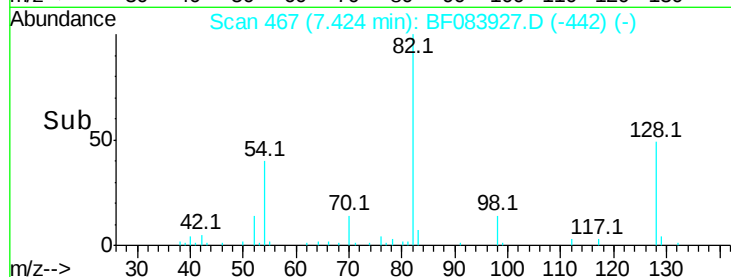
54 39.7 38.4 57.6



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0



#31

Naphthalene

Concen: 42.43 ng

RT: 8.17 min Scan# 532

Delta R.T. -0.01 min

Lab File: BF083927.D

Acq: 18 Dec 2015 21:49

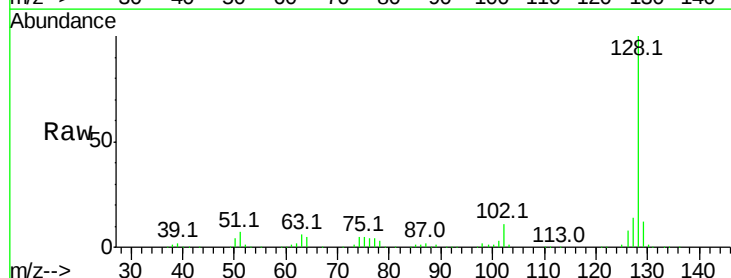
Tgt Ion: 128 Resp: 508835

Ion Ratio Lower Upper

128 100

129 11.7 9.1 13.7

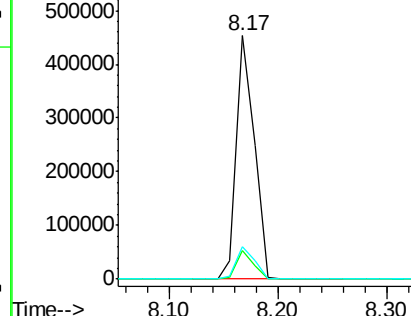
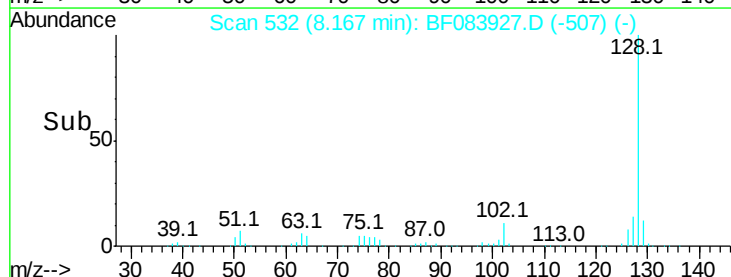
127 13.6 11.1 16.7

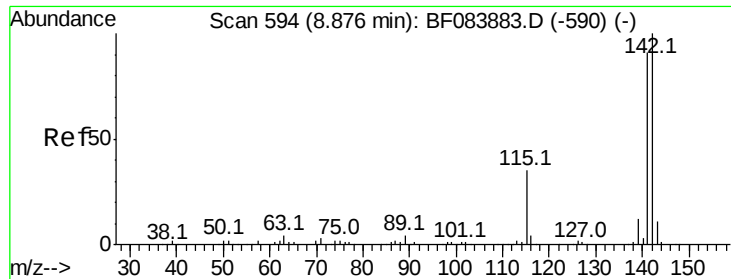


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

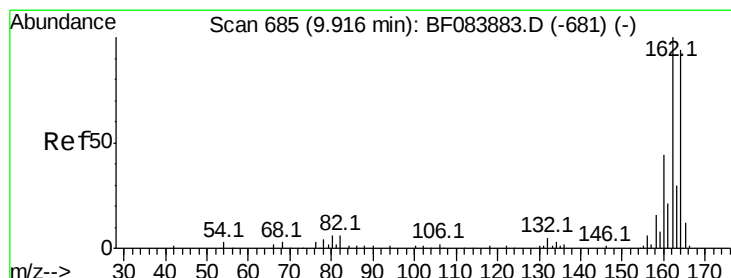
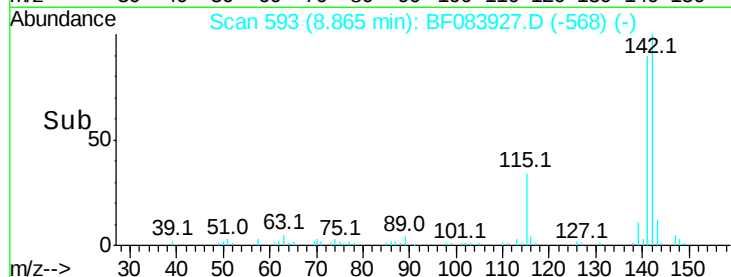
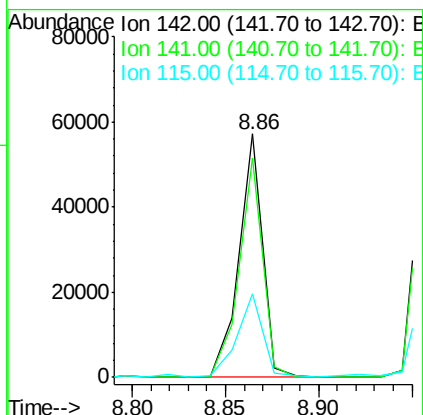
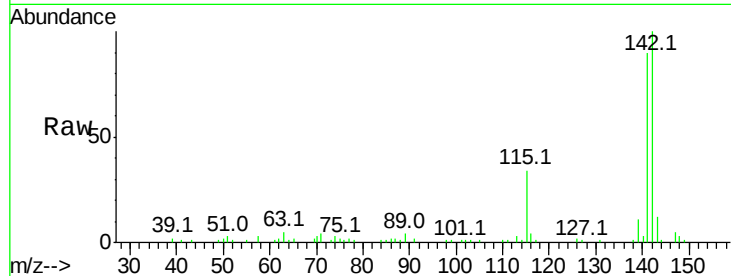




#37
2-Methylnaphthalene
Concen: 6.13 ng
RT: 8.86 min Scan# 593
Delta R.T. -0.01 min
Lab File: BF083927.D
Acq: 18 Dec 2015 21:49

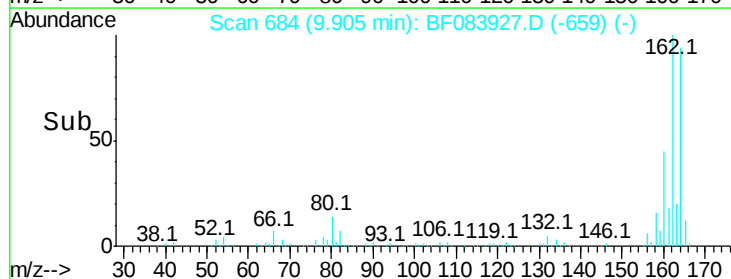
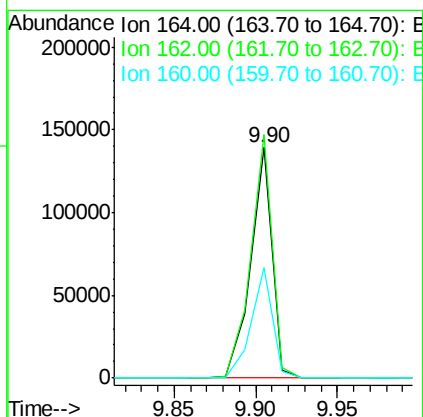
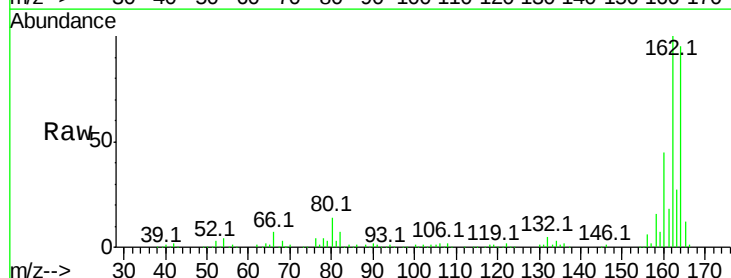
Instrument :
BNA_F
ClientSampleId :
WC121515-LIQUID-POPHDL

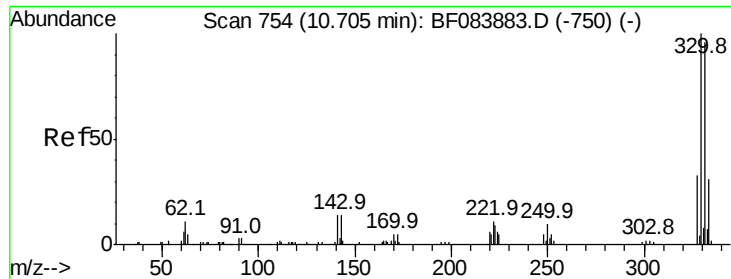
Tot Ion:142 Resp: 50572
Ion Ratio Lower Upper
142 100
141 90.2 72.4 108.6
115 34.2 27.9 41.9



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.90 min Scan# 684
Delta R.T. -0.01 min
Lab File: BF083927.D
Acq: 18 Dec 2015 21:49

Tgt Ion:164 Resp: 126578
Ion Ratio Lower Upper
164 100
162 105.6 85.1 127.7
160 48.0 37.5 56.3

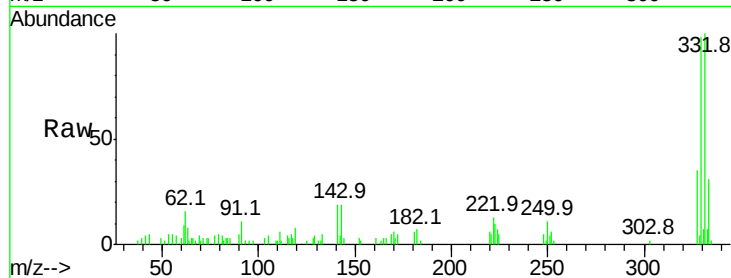




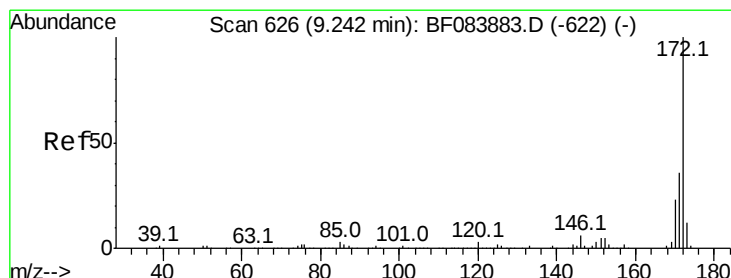
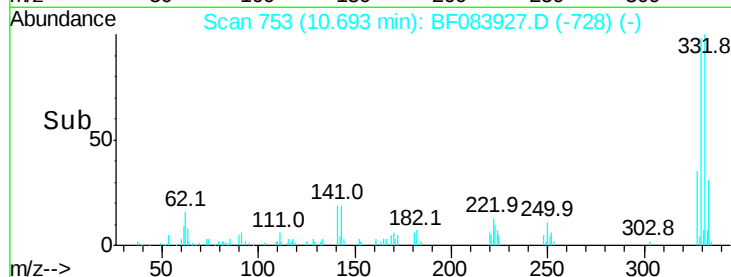
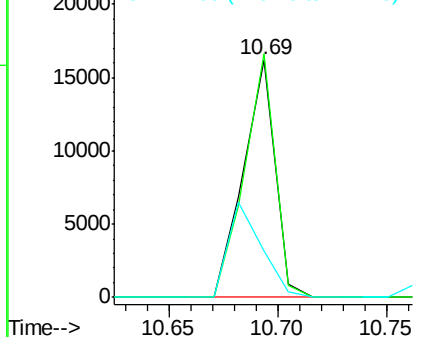
#41
 2,4,6-Tribromophenol
 Concen: 11.77 ng
 RT: 10.69 min Scan# 753
 Delta R.T. -0.01 min
 Lab File: BF083927.D
 Acq: 18 Dec 2015 21:49

Instrument :
 BNA_F
 ClientSampleId :
 WC121515-LIQUID-POPHDL

Tot Ion:330 Resp: 16413
 Ion Ratio Lower Upper
 330 100
 332 99.2 76.6 114.8
 141 42.0 27.8 41.6#

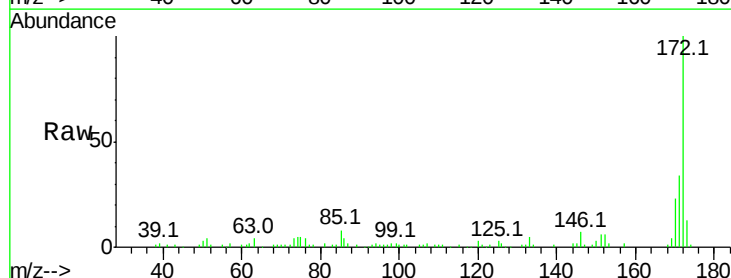


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

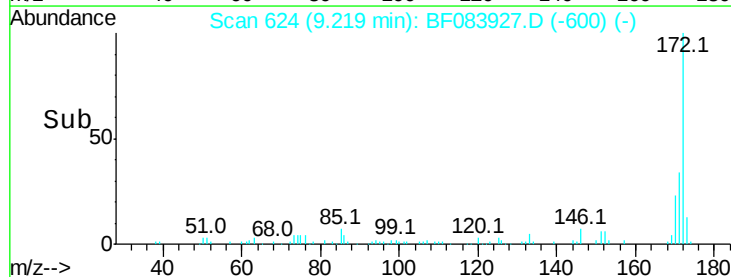
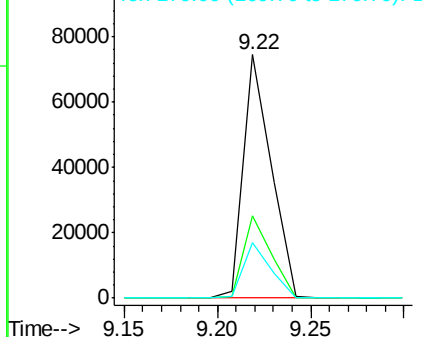


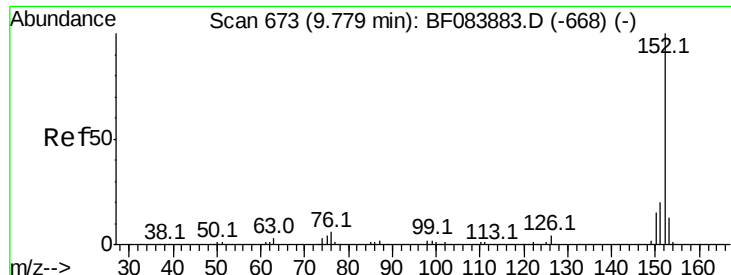
#44
 2-Fluorobiphenyl
 Concen: 6.80 ng
 RT: 9.22 min Scan# 624
 Delta R.T. -0.02 min
 Lab File: BF083927.D
 Acq: 18 Dec 2015 21:49

Tgt Ion:172 Resp: 77093
 Ion Ratio Lower Upper
 172 100
 171 33.7 28.9 43.3
 170 23.0 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





#48

Acenaphthylene

Concen: 2.09 ng

RT: 9.77 min Scan# 672

Delta R.T. -0.01 min

Lab File: BF083927.D

Acq: 18 Dec 2015 21:49

Instrument :

BNA_F

ClientSampleId :

WC121515-LIQUID-POPHDL

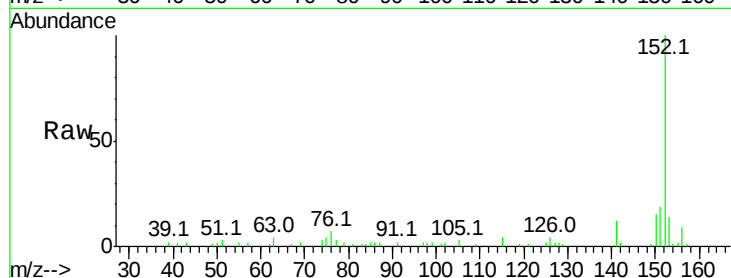
Tot Ion:152 Resp: 30887

Ion Ratio Lower Upper

152 100

151 19.4 16.3 24.5

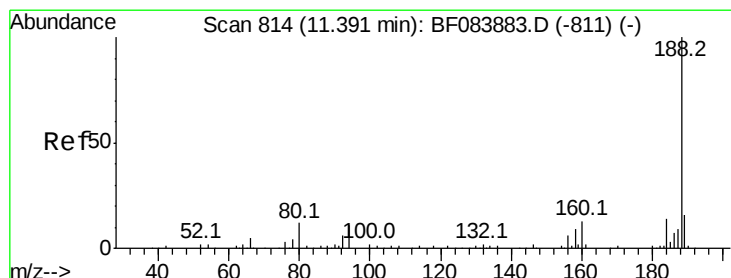
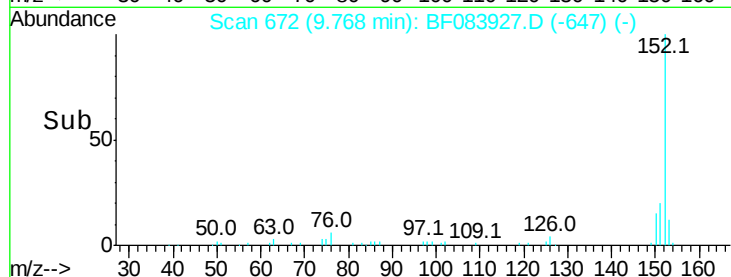
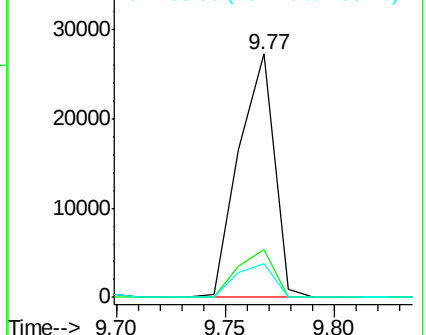
153 13.8 10.4 15.6



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.39 min Scan# 814

Delta R.T. -0.00 min

Lab File: BF083927.D

Acq: 18 Dec 2015 21:49

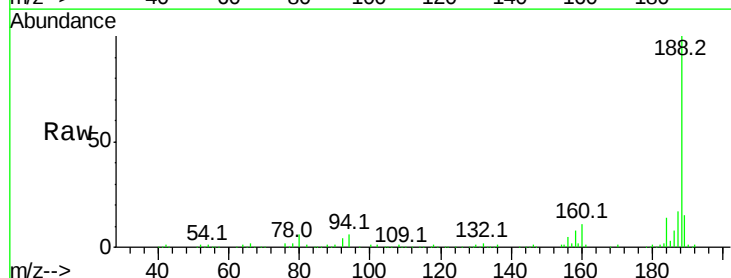
Tgt Ion:188 Resp: 224717

Ion Ratio Lower Upper

188 100

94 6.1 9.0 13.4#

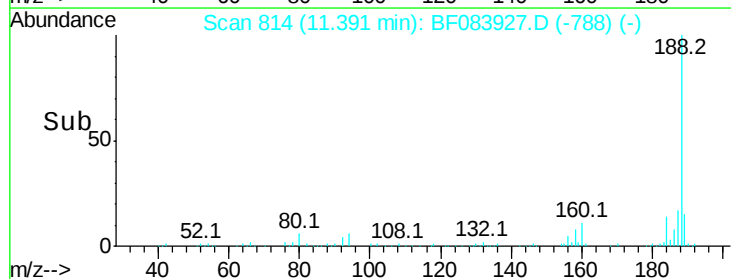
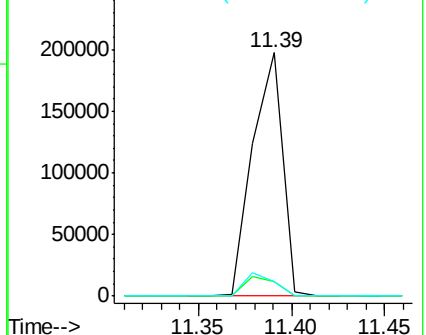
80 6.2 9.6 14.4#

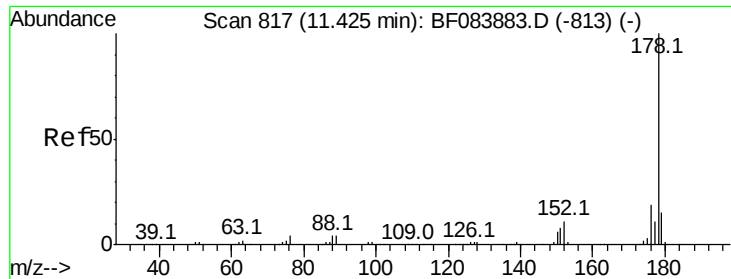


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

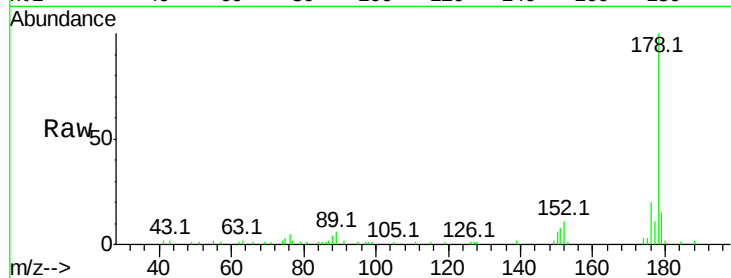




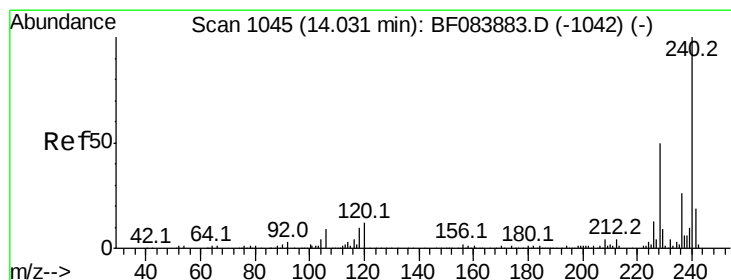
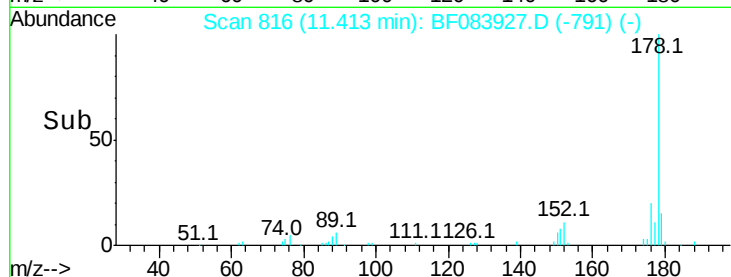
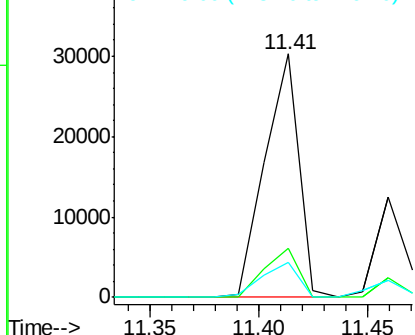
#70
Phenanthrene
Concen: 2.44 ng
RT: 11.41 min Scan# 816
Delta R.T. -0.01 min
Lab File: BF083927.D
Acq: 18 Dec 2015 21:49

Instrument :
BNA_F
ClientSampleId :
WC121515-LIQUID-POPHDL

Tot Ion:178 Resp: 33143
Ion Ratio Lower Upper
178 100
176 20.0 15.3 22.9
179 14.6 12.0 18.0

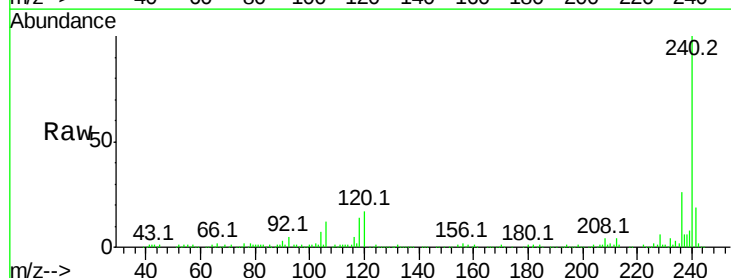


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

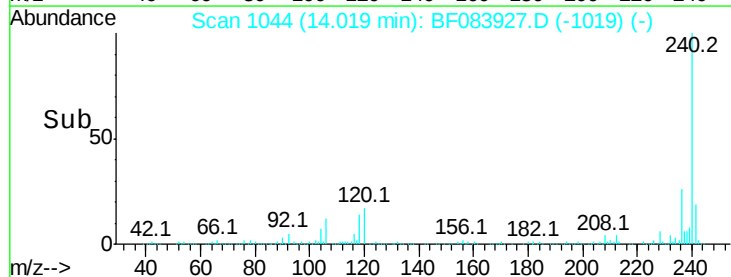
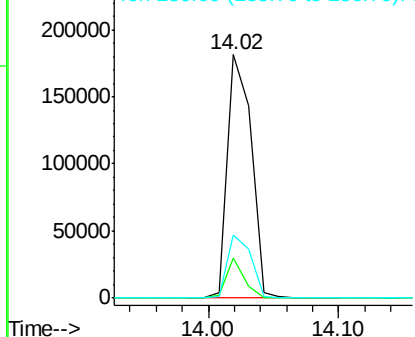


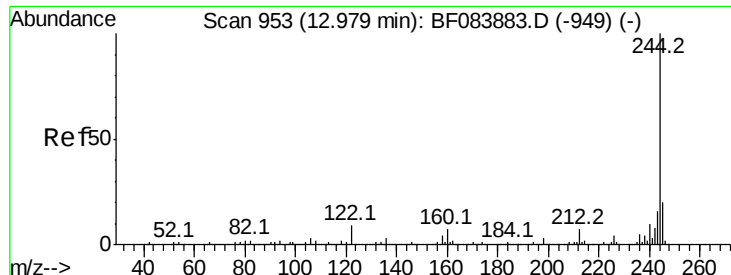
#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.02 min Scan# 1044
Delta R.T. -0.01 min
Lab File: BF083927.D
Acq: 18 Dec 2015 21:49

Tgt Ion:240 Resp: 230090
Ion Ratio Lower Upper
240 100
120 16.6 9.5 14.3#
236 25.8 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: 2.12 ng

RT: 12.97 min Scan# 952

Delta R.T. -0.01 min

Lab File: BF083927.D

Acq: 18 Dec 2015 21:49

Instrument :

BNA_F

ClientSampleId :

WC121515-LIQUID-POPHDL

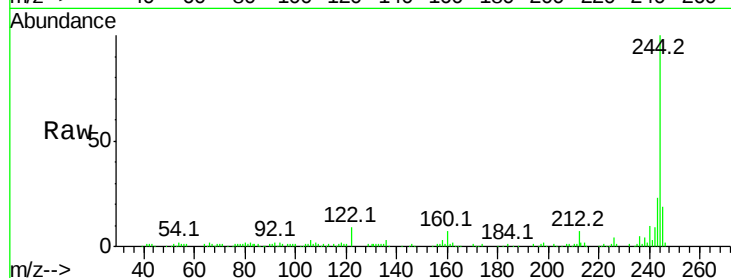
Tot Ion:244 Resp: 81017

Ion Ratio Lower Upper

244 100

212 6.7 5.7 8.5

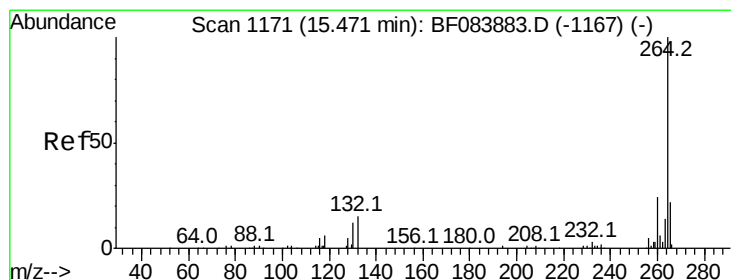
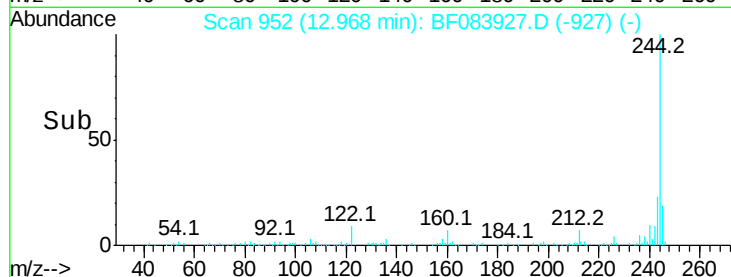
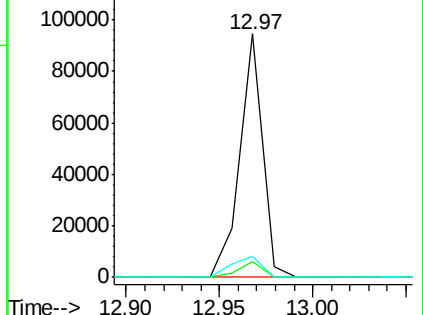
122 8.6 7.4 11.0



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

Perylene-d12

Concen: 20.00 ng

RT: 15.46 min Scan# 1170

Delta R.T. -0.01 min

Lab File: BF083927.D

Acq: 18 Dec 2015 21:49

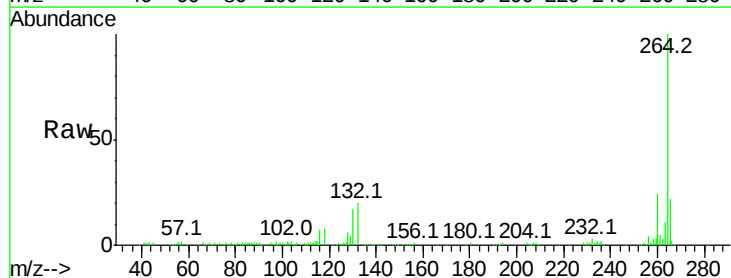
Tgt Ion:264 Resp: 163556

Ion Ratio Lower Upper

264 100

260 24.2 19.4 29.2

265 21.8 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

