

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122015\
 Data File : BF083976.D
 Acq On : 20 Dec 2015 3:35
 Operator : UM/SJ
 Sample : G4855-02
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DRUM(78-115)COMPOSITE

Quant Time: Dec 20 07:15:46 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

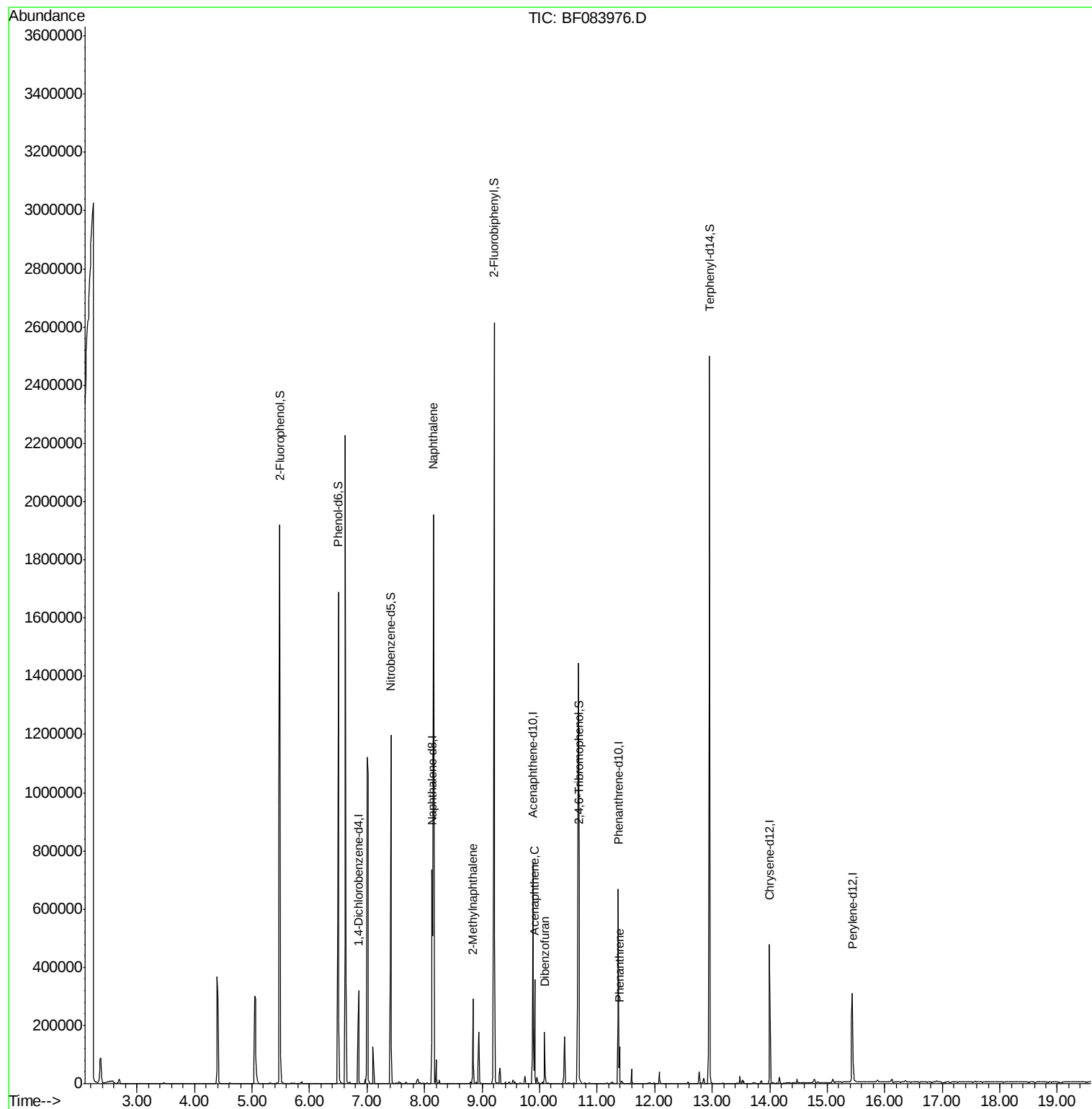
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	63210	20.00	ng	-0.02
21) Naphthalene-d8	8.13	136	330144	20.00	ng	-0.02
38) Acenaphthene-d10	9.88	164	154310	20.00	ng	-0.03
63) Phenanthrene-d10	11.37	188	256075	20.00	ng	-0.02
75) Chrysene-d12	14.00	240	185926	20.00	ng	-0.03
86) Perylene-d12	15.44	264	161254	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.48	112	606869	150.25	ng	0.00
7) Phenol-d6	6.50	99	635477	128.54	ng	-0.01
23) Nitrobenzene-d5	7.41	82	410390	70.94	ng	-0.02
41) 2,4,6-Tribromophenol	10.68	330	239892	141.12	ng	-0.02
44) 2-Fluorobiphenyl	9.21	172	915306	82.98	ng	-0.03
78) Terphenyl-d14	12.96	244	935853	120.28	ng	-0.02
Target Compounds						Qvalue
31) Naphthalene	8.16	128	854111	51.68	ng	100
37) 2-Methylnaphthalene	8.84	142	84825	7.39	ng	96
51) Acenaphthene	9.92	154	75112	6.79	ng	99
54) Dibenzofuran	10.09	168	68466	4.77	ng	97
70) Phenanthrene	11.39	178	48091	3.11	ng	98

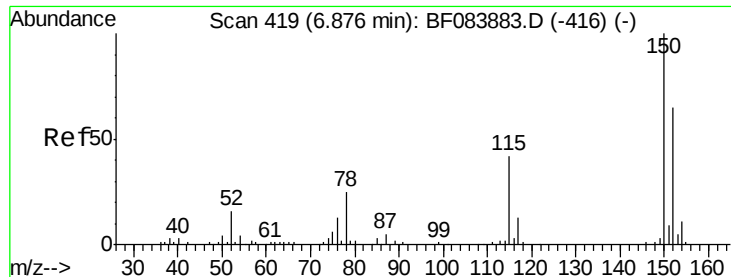
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Dec 18 14:23:22 2015
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.85 min Scan# 417

Delta R.T. -0.02 min

Lab File: BF083976.D

Acq: 20 Dec 2015 3:35

Instrument :

BNA_F

ClientSampleId :

DRUM(78-115)COMPOSITE

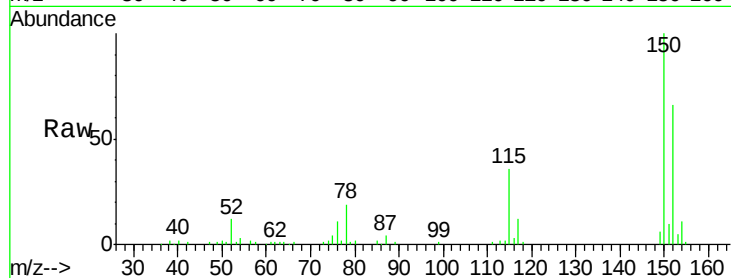
Tot Ion:152 Resp: 63210

Ion Ratio Lower Upper

152 100

150 151.8 123.0 184.4

115 55.2 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

120000

100000

80000

60000

40000

20000

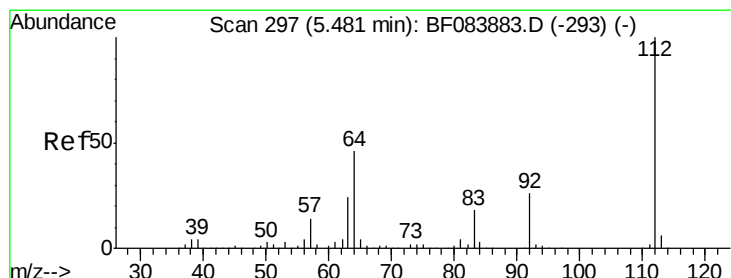
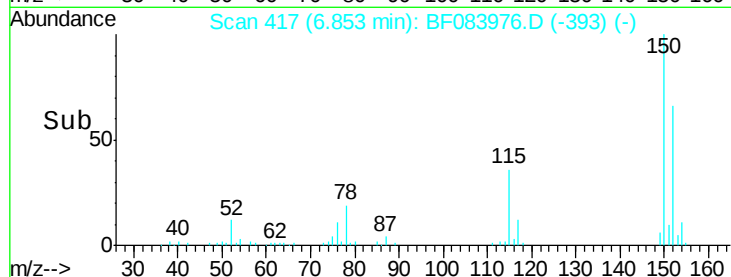
0

6.80

6.85

6.90

Time-->



#5

2-Fluorophenol

Concen: 150.25 ng

RT: 5.48 min Scan# 297

Delta R.T. -0.00 min

Lab File: BF083976.D

Acq: 20 Dec 2015 3:35

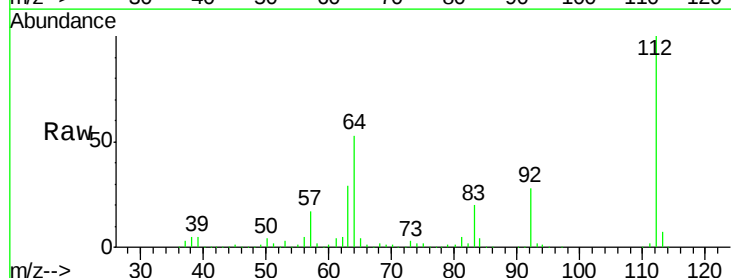
Tgt Ion:112 Resp: 606869

Ion Ratio Lower Upper

112 100

64 53.4 36.6 55.0

63 28.7 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

800000

600000

400000

200000

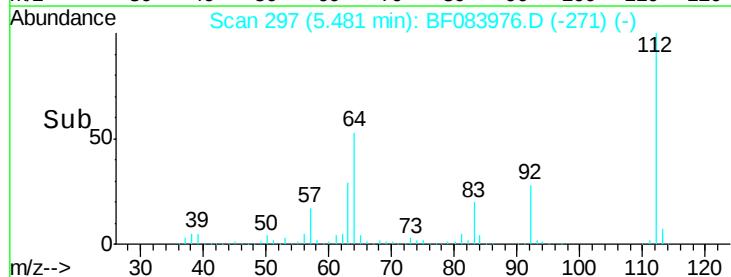
0

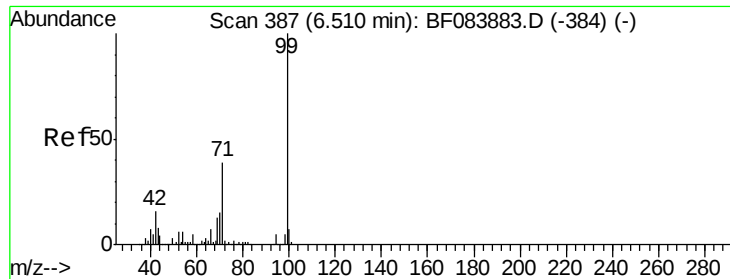
5.40

5.48

5.60

Time-->





#7

Phenol-d6

Concen: 128.54 ng

RT: 6.50 min Scan# 386

Delta R.T. -0.01 min

Lab File: BF083976.D

Acq: 20 Dec 2015 3:35

Instrument :

BNA_F

ClientSampleId :

DRUM(78-115)COMPOSITE

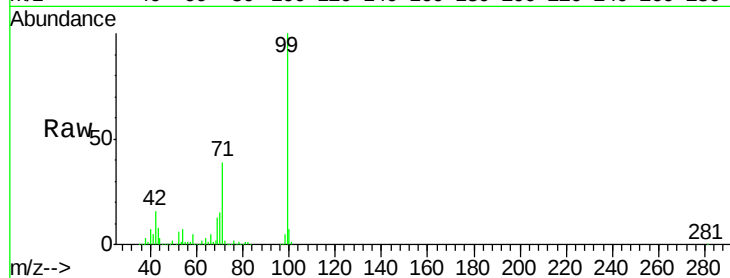
Tot Ion: 99 Resp: 635477

Ion Ratio Lower Upper

99 100

42 16.4 12.8 19.2

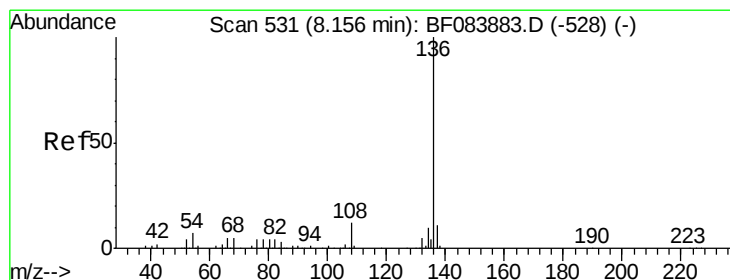
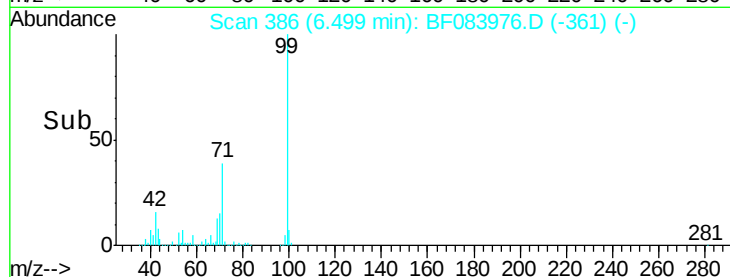
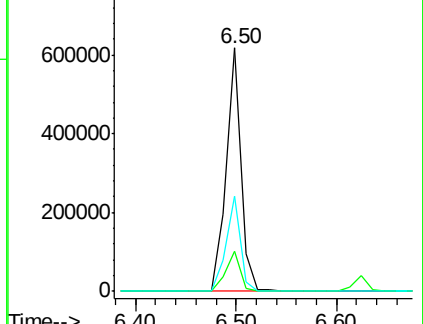
71 39.0 30.9 46.3



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: 8.13 min Scan# 529

Delta R.T. -0.02 min

Lab File: BF083976.D

Acq: 20 Dec 2015 3:35

Tgt Ion: 136 Resp: 330144

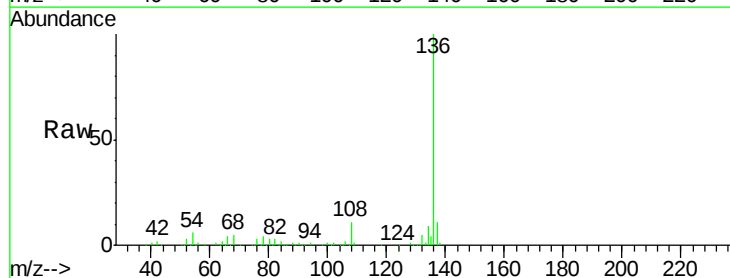
Ion Ratio Lower Upper

136 100

137 11.1 8.7 13.1

54 5.9 5.8 8.8

68 4.9 4.2 6.2

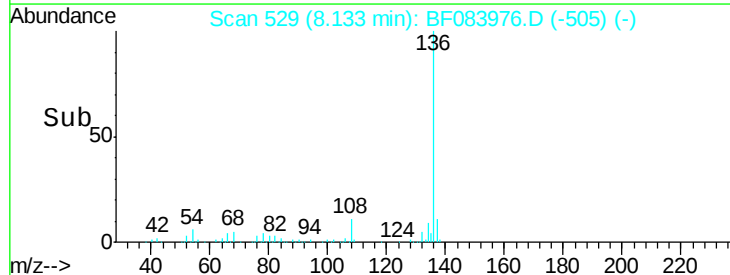
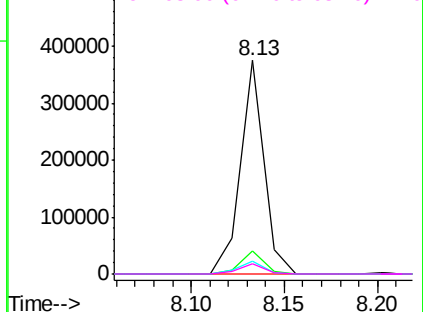


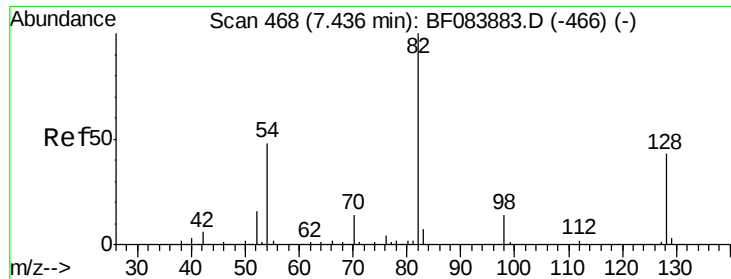
Abundance Ion 136.00 (135.70 to 136.70): E

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

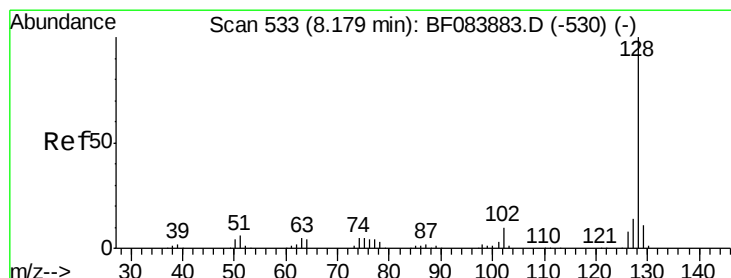
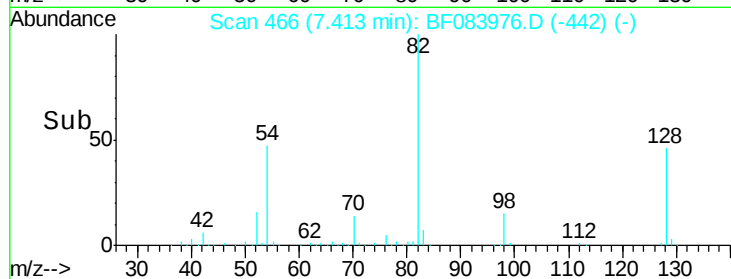
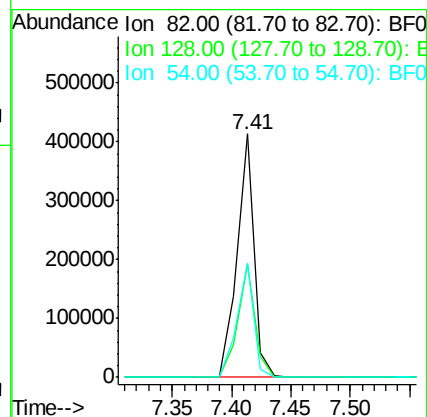
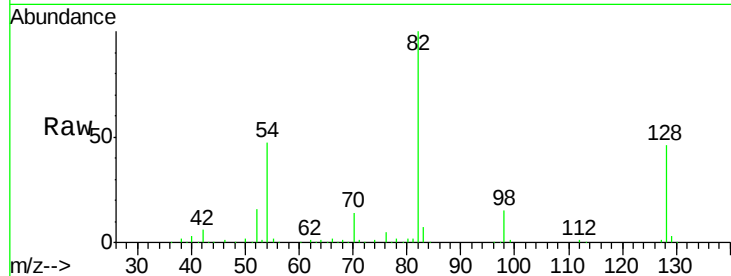




#23
 Nitrobenzene-d5
 Concen: 70.94 ng
 RT: 7.41 min Scan# 466
 Delta R.T. -0.02 min
 Lab File: BF083976.D
 Acq: 20 Dec 2015 3:35

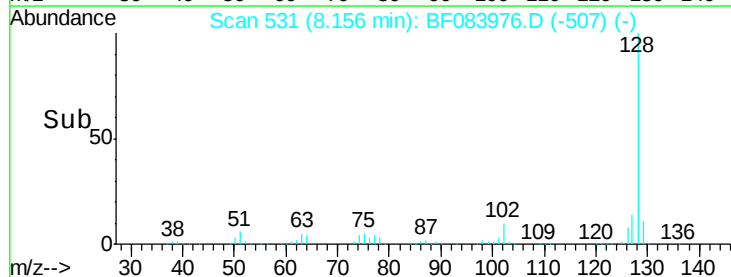
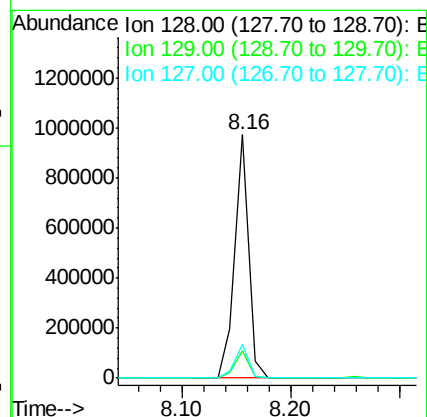
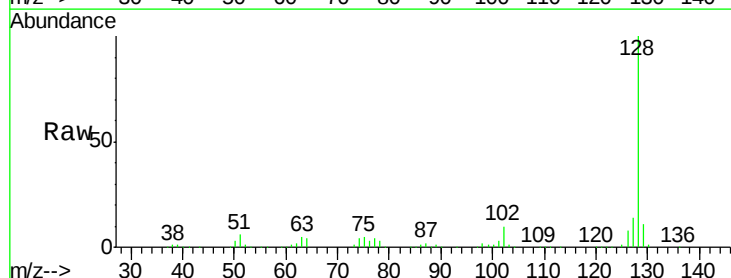
Instrument :
 BNA_F
 ClientSampleId :
 DRUM(78-115)COMPOSITE

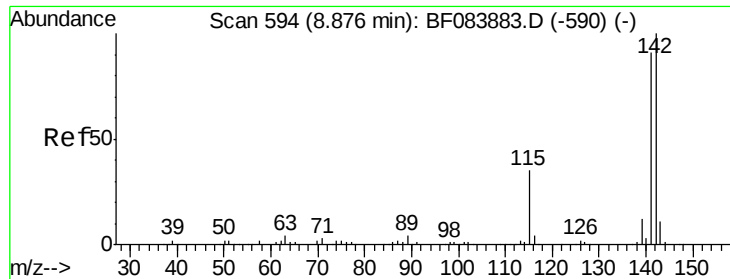
Tot Ion: 82 Resp: 410390
 Ion Ratio Lower Upper
 82 100
 128 46.2 34.6 51.8
 54 46.9 38.4 57.6



#31
 Naphthalene
 Concen: 51.68 ng
 RT: 8.16 min Scan# 531
 Delta R.T. -0.02 min
 Lab File: BF083976.D
 Acq: 20 Dec 2015 3:35

Tgt Ion: 128 Resp: 854111
 Ion Ratio Lower Upper
 128 100
 129 11.5 9.1 13.7
 127 13.9 11.1 16.7

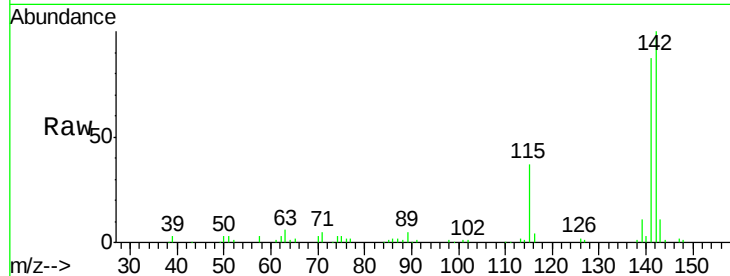




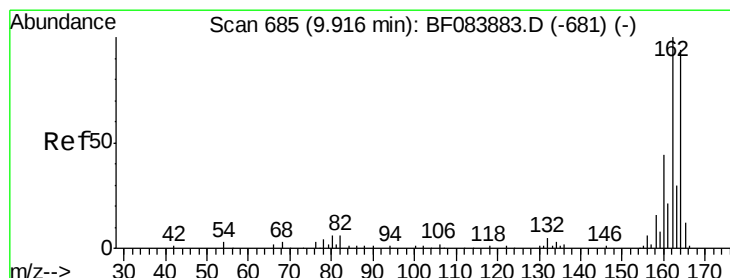
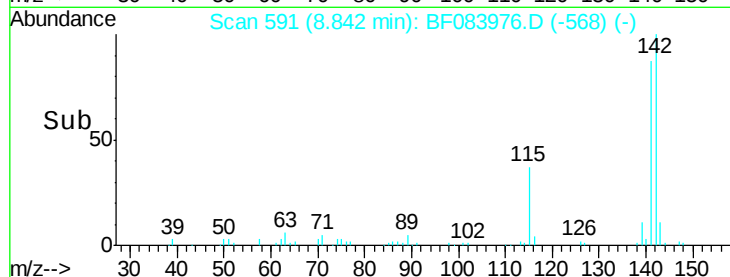
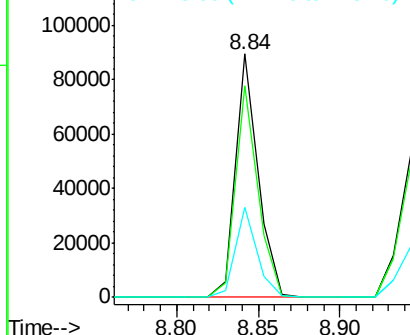
#37
2-Methylnaphthalene
Concen: 7.39 ng
RT: 8.84 min Scan# 591
Delta R.T. -0.03 min
Lab File: BF083976.D
Acq: 20 Dec 2015 3:35

Instrument :
BNA_F
ClientSampleId :
DRUM(78-115)COMPOSITE

Tot Ion:142 Resp: 84825
Ion Ratio Lower Upper
142 100
141 87.1 72.4 108.6
115 37.2 27.9 41.9

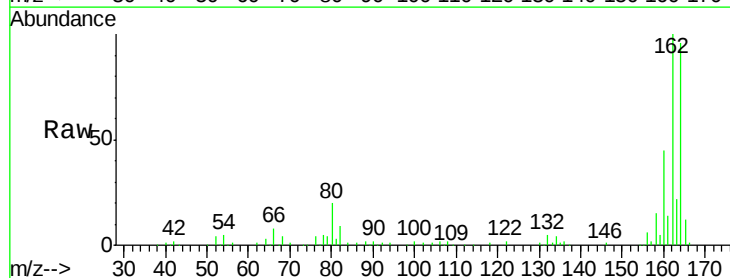


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

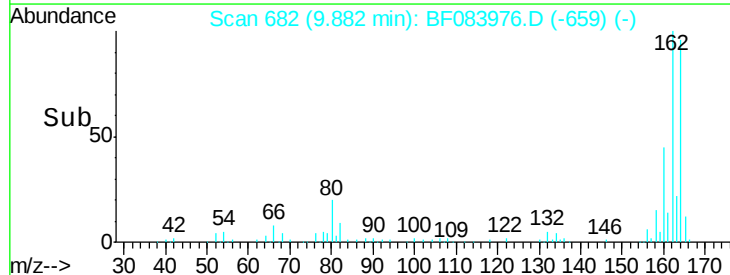
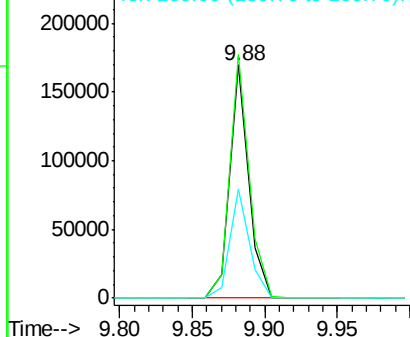


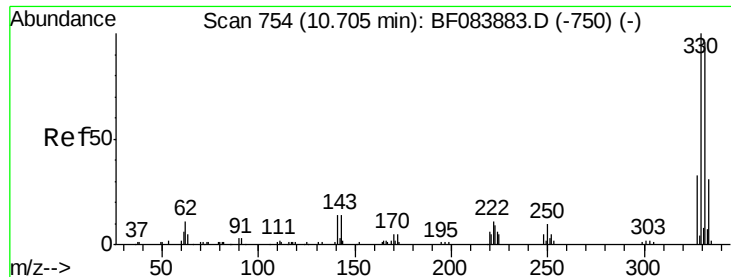
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.88 min Scan# 682
Delta R.T. -0.03 min
Lab File: BF083976.D
Acq: 20 Dec 2015 3:35

Tgt Ion:164 Resp: 154310
Ion Ratio Lower Upper
164 100
162 104.4 85.1 127.7
160 46.7 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

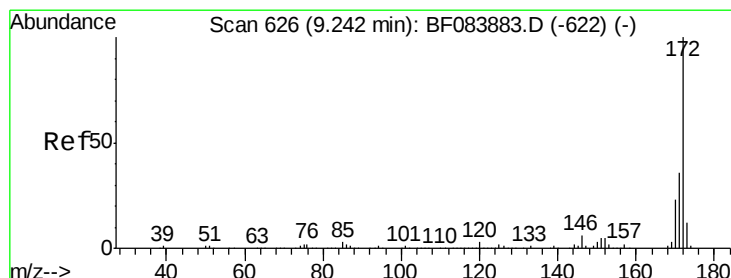
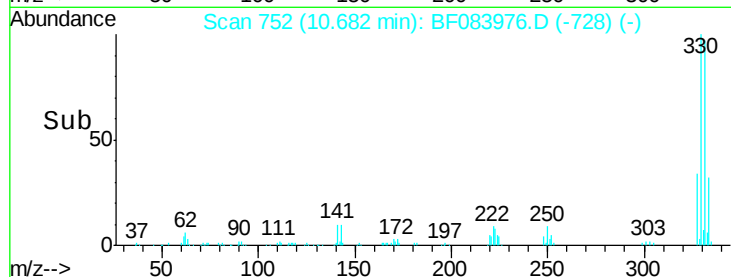
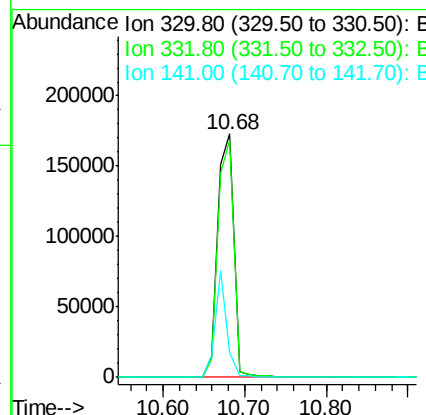
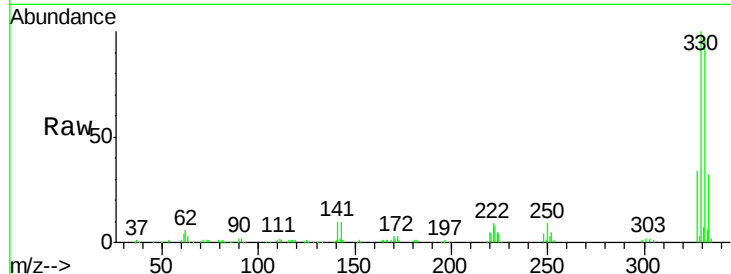




#41
 2,4,6-Tribromophenol
 Concen: 141.12 ng
 RT: 10.68 min Scan# 752
 Delta R.T. -0.02 min
 Lab File: BF083976.D
 Acq: 20 Dec 2015 3:35

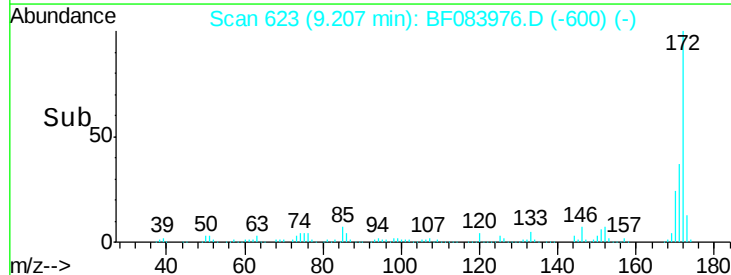
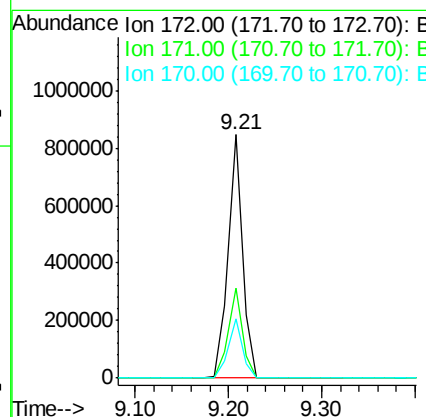
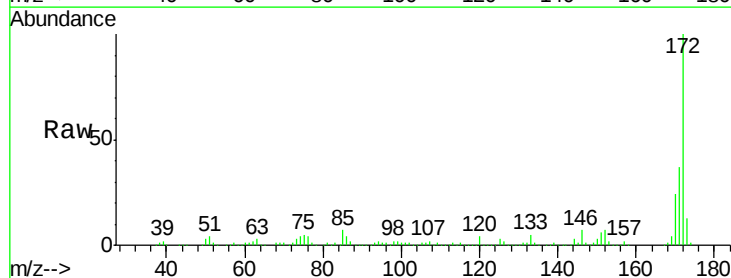
Instrument :
 BNA_F
 ClientSampleId :
 DRUM(78-115)COMPOSITE

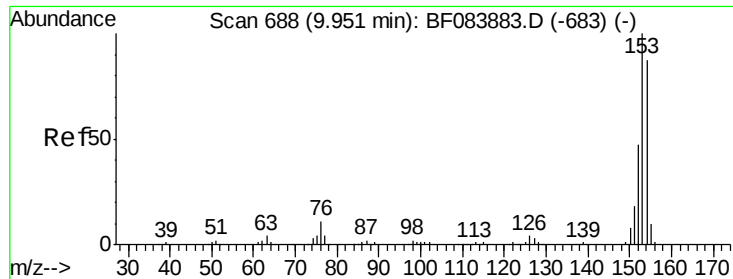
Tot Ion	Ratio	Lower	Upper
330	100		
332	96.4	76.6	114.8
141	32.1	27.8	41.6



#44
 2-Fluorobiphenyl
 Concen: 82.98 ng
 RT: 9.21 min Scan# 623
 Delta R.T. -0.03 min
 Lab File: BF083976.D
 Acq: 20 Dec 2015 3:35

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.1	28.9	43.3
170	24.4	18.6	27.8





#51

Acenaphthene

Concen: 6.79 ng

RT: 9.92 min Scan# 685

Delta R.T. -0.03 min

Lab File: BF083976.D

Acq: 20 Dec 2015 3:35

Instrument :

BNA_F

ClientSampleId :

DRUM(78-115)COMPOSITE

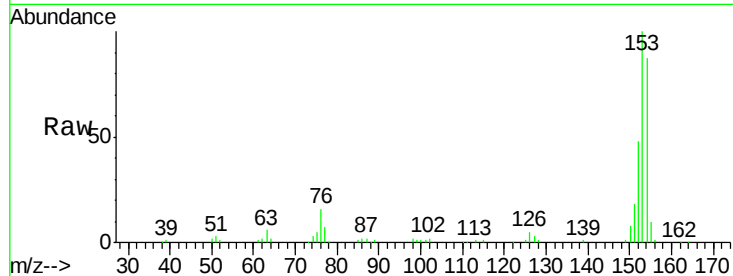
Tot Ion:154 Resp: 75112

Ion Ratio Lower Upper

154 100

153 115.4 91.5 137.3

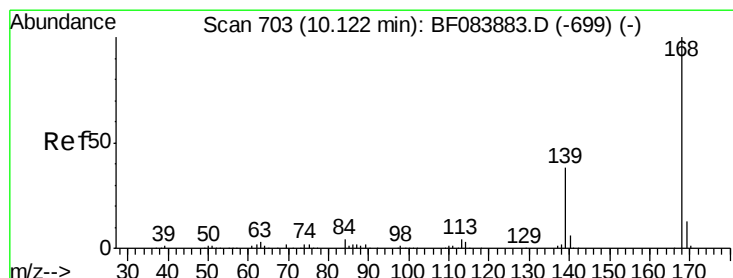
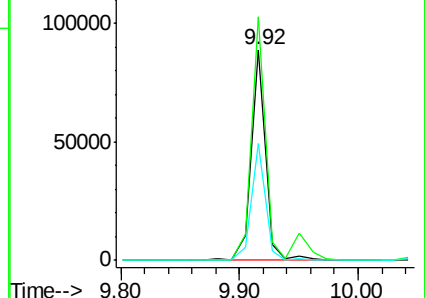
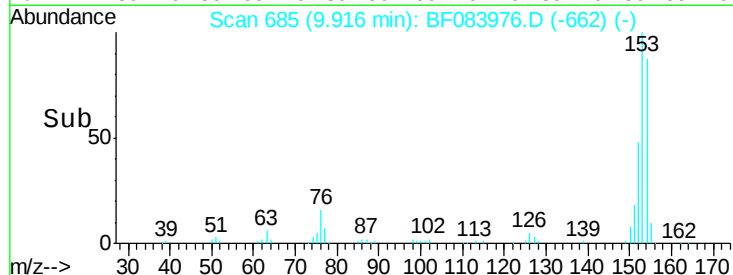
152 55.5 43.0 64.6



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



#54

Dibenzofuran

Concen: 4.77 ng

RT: 10.09 min Scan# 700

Delta R.T. -0.03 min

Lab File: BF083976.D

Acq: 20 Dec 2015 3:35

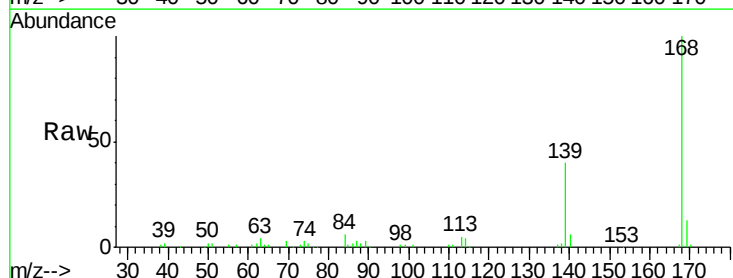
Tgt Ion:168 Resp: 68466

Ion Ratio Lower Upper

168 100

139 40.2 30.5 45.7

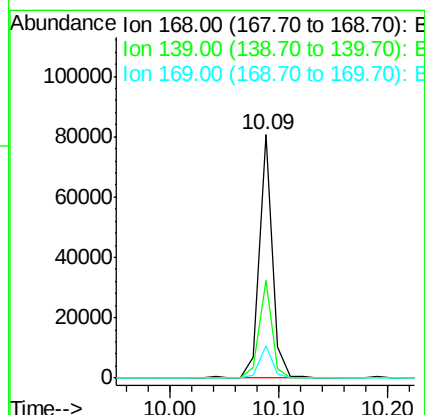
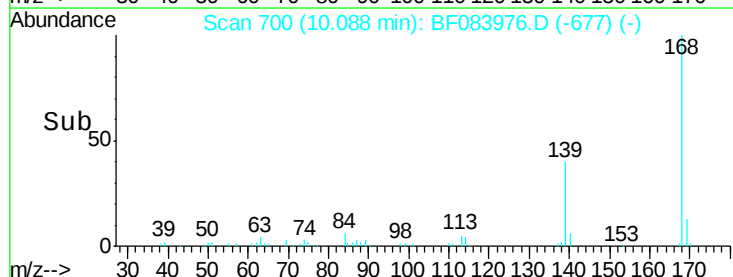
169 13.1 10.4 15.6

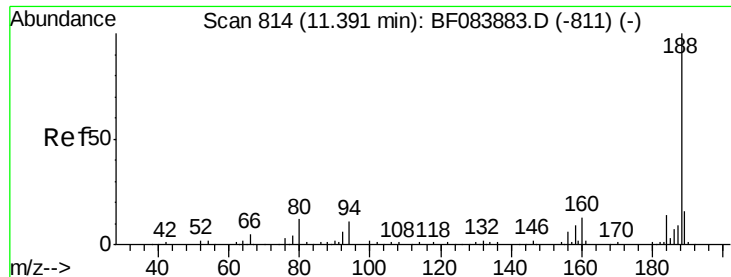


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E

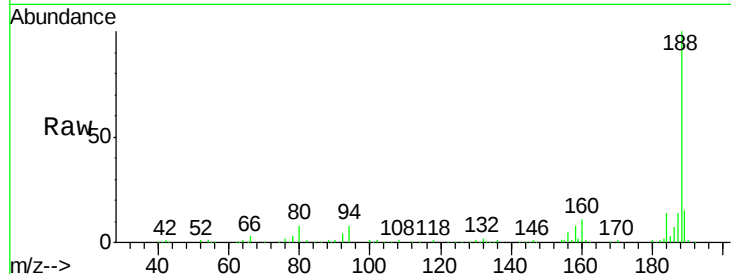




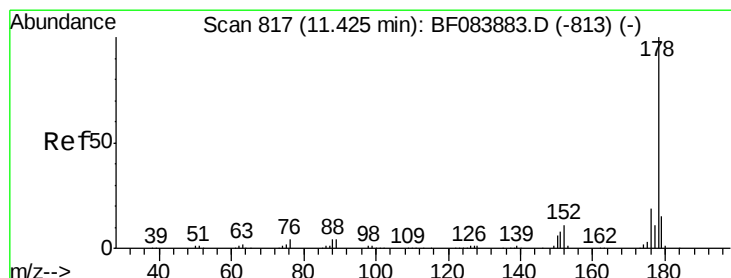
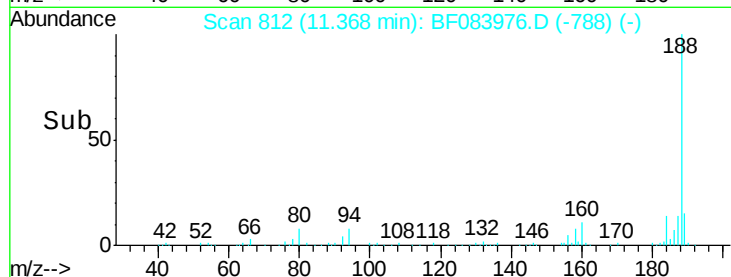
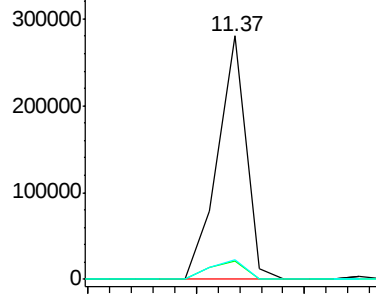
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.37 min Scan# 812
Delta R.T. -0.02 min
Lab File: BF083976.D
Acq: 20 Dec 2015 3:35

Instrument :
BNA_F
ClientSampleId :
DRUM(78-115)COMPOSITE

Tot Ion:188 Resp: 256075
Ion Ratio Lower Upper
188 100
94 7.6 9.0 13.4#
80 7.9 9.6 14.4#

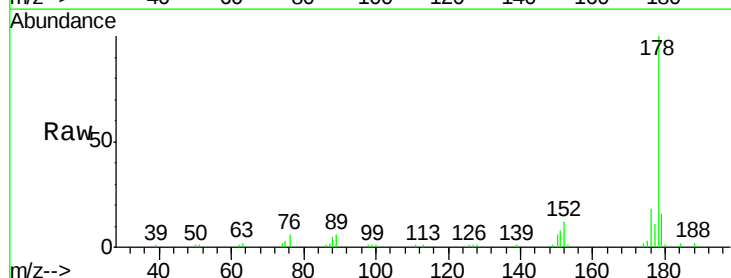


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

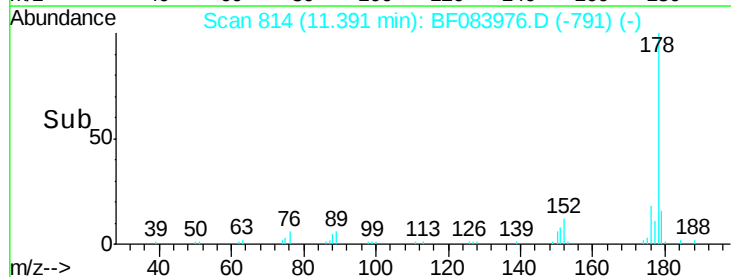
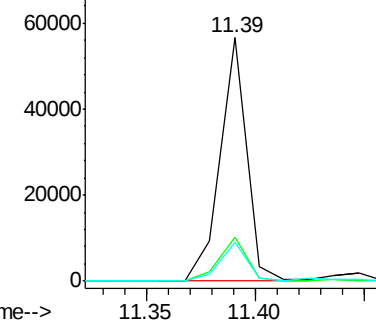


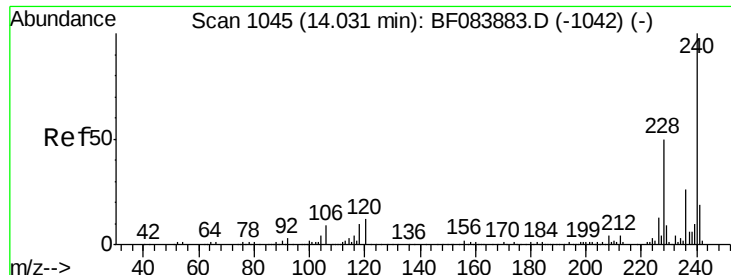
#70
Phenanthrene
Concen: 3.11 ng
RT: 11.39 min Scan# 814
Delta R.T. -0.03 min
Lab File: BF083976.D
Acq: 20 Dec 2015 3:35

Tgt Ion:178 Resp: 48091
Ion Ratio Lower Upper
178 100
176 18.3 15.3 22.9
179 15.9 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: 14.00 min Scan# 1042

Delta R.T. -0.03 min

Lab File: BF083976.D

Acq: 20 Dec 2015 3:35

Instrument :

BNA_F

ClientSampleId :

DRUM(78-115)COMPOSITE

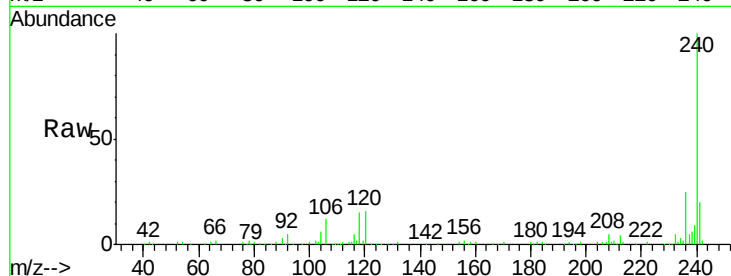
Tot Ion:240 Resp: 185926

Ion Ratio Lower Upper

240 100

120 15.9 9.5 14.3#

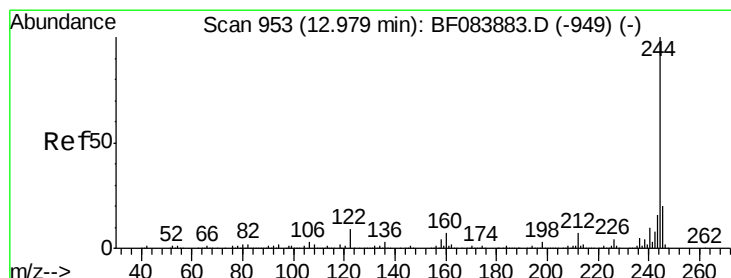
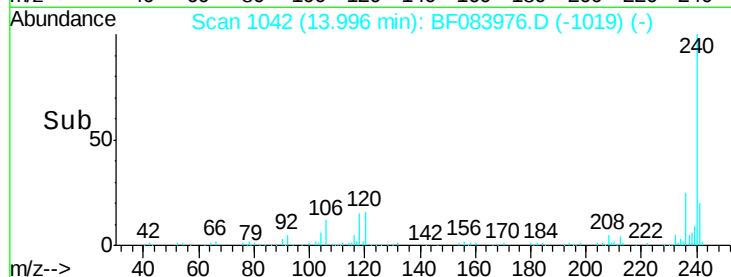
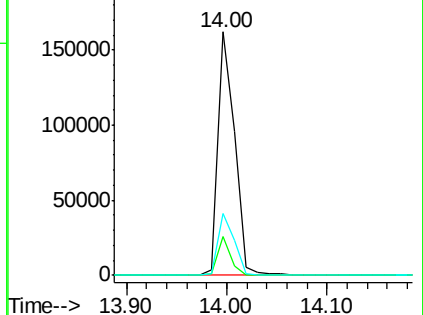
236 25.3 20.6 31.0



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: 120.28 ng

RT: 12.96 min Scan# 951

Delta R.T. -0.02 min

Lab File: BF083976.D

Acq: 20 Dec 2015 3:35

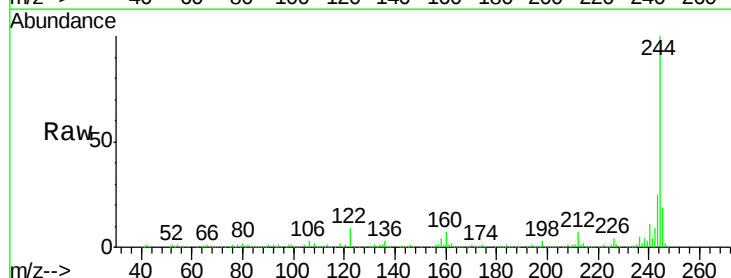
Tgt Ion:244 Resp: 935853

Ion Ratio Lower Upper

244 100

212 7.5 5.7 8.5

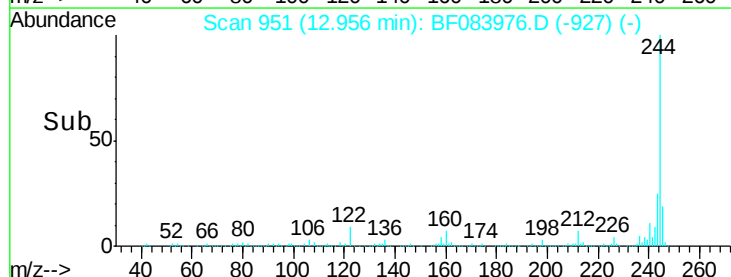
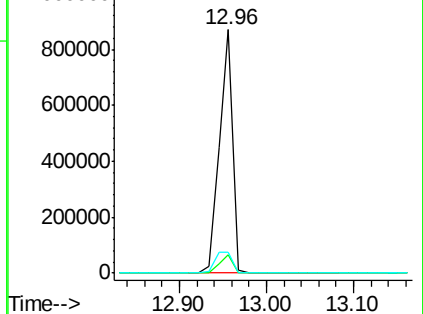
122 8.8 7.4 11.0

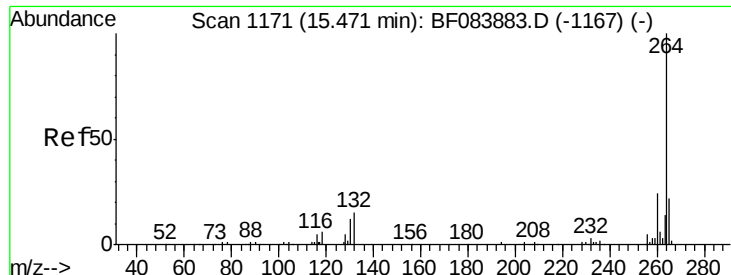


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

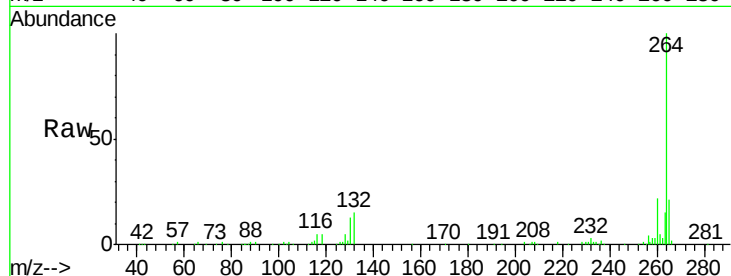




#86
 Pervlene-d12
 Concen: 20.00 ng
 RT: 15.44 min Scan# 1168
 Delta R.T. -0.03 min
 Lab File: BF083976.D
 Acq: 20 Dec 2015 3:35

Instrument :
 BNA_F
 ClientSampleId :
 DRUM(78-115)COMPOSITE

Tot Ion: 264 Resp: 161254
 Ion Ratio Lower Upper
 264 100
 260 22.4 19.4 29.2
 265 21.2 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

