

Data Path : Z:\HPCHEM1\BNA F\DATA\BF120615\
 Data File : BF083553.D
 Acq On : 7 Dec 2015 10:18
 Operator : UM/IZ
 Sample : G4617-06RE
 Misc :
 ALS Vial : 64 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 07 11:32:06 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF120415.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Dec 05 04:12:46 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.73	152	159671	20.00	ng	-0.03
21) Naphthalene-d8	7.63	136	603627	20.00	ng	-0.05
38) Acenaphthene-d10	10.43	164	269019	20.00	ng	-0.03
63) Phenanthrene-d10	12.82	188	412527	20.00	ng	-0.03
75) Chrysene-d12	17.01	240	343074	20.00	ng	-0.03
86) Perylene-d12	18.65	264	267903	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	4.02	112	1103419	104.84	ng	-0.01
7) Phenol-d6	5.30	99	1440847	99.36	ng	-0.02
23) Nitrobenzene-d5	6.56	82	924064	71.56	ng	-0.05
41) 2,4,6-Tribromophenol	11.71	330	211797	85.35	ng	-0.05
44) 2-Fluorobiphenyl	9.38	172	1385184	69.84	ng	-0.05
78) Terphenyl-d14	15.46	244	975422	63.27	ng	-0.02

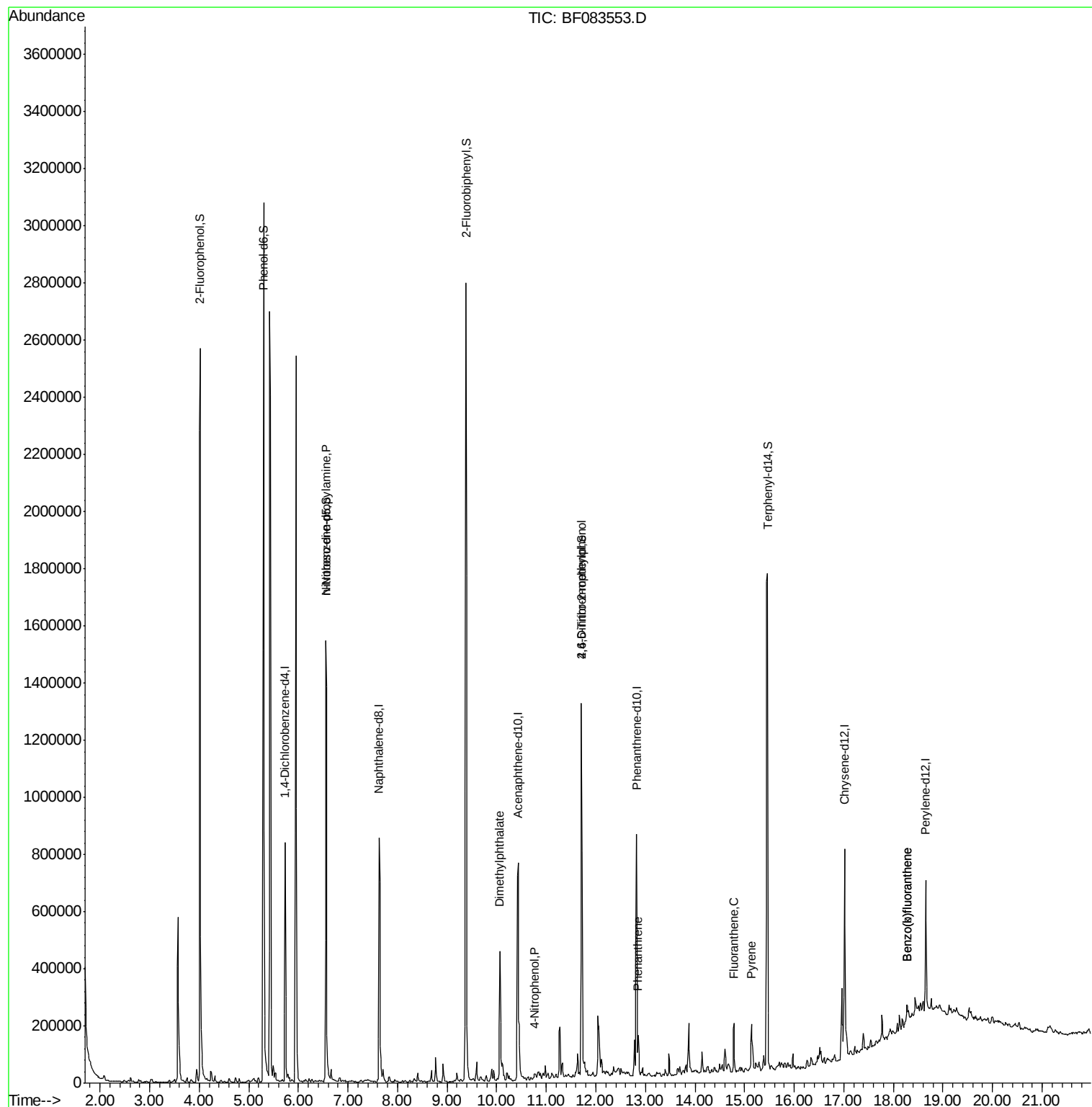
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	6.56	70	116121	12.00	ng	# 82
49) Dimethylphthalate	10.06	163	271547	12.82	ng	98
55) 4-Nitrophenol	10.76	139	5465	2.02	ng	# 10
64) 4,6-Dinitro-2-methylphenol	11.71	198	251	3.57	ng	# 1
70) Phenanthrene	12.85	178	72341	3.01	ng	98
74) Fluoranthene	14.79	202	83742	3.52	ng	99
77) Pyrene	15.14	202	73762	2.87	ng	98
87) Benzo(b)fluoranthene	18.28	252	49056	3.26	ng	# 91
88) Benzo(k)fluoranthene	18.28	252	49056	3.18	ng	# 93

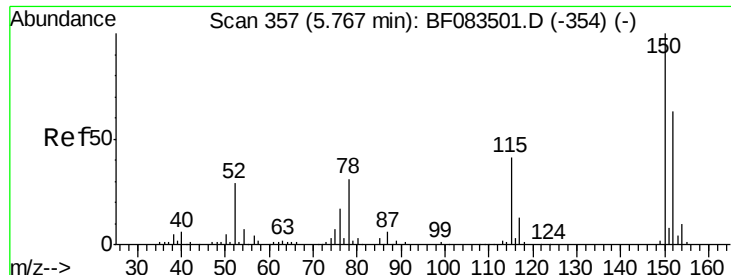
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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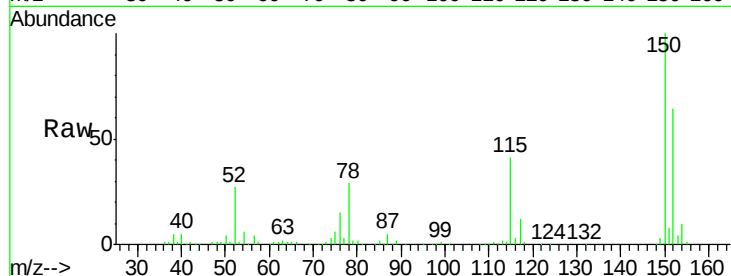




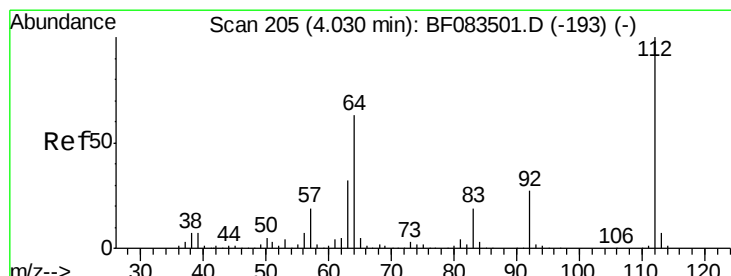
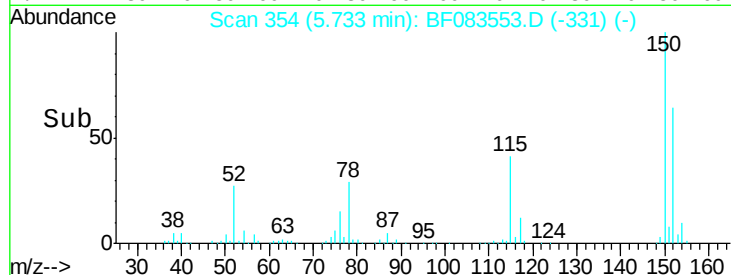
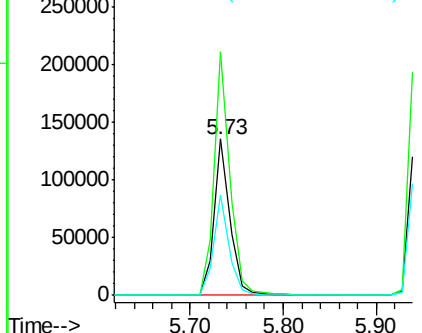
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 5.73 min Scan# 354
 Delta R.T. -0.03 min
 Lab File: BF083553.D
 Acq: 7 Dec 2015 10:18

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:152 Resp: 159671
 Ion Ratio Lower Upper
 152 100
 150 156.1 126.5 189.7
 115 64.4 52.3 78.5

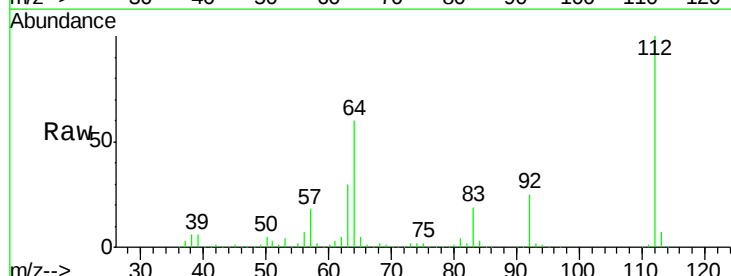


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

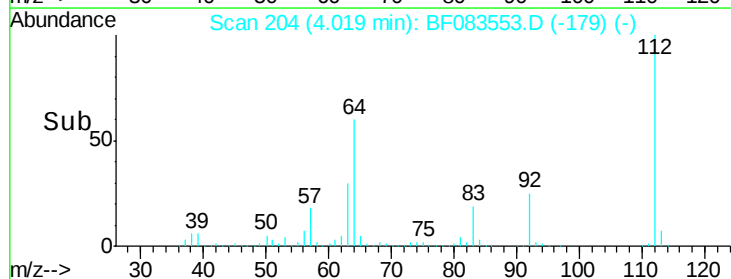
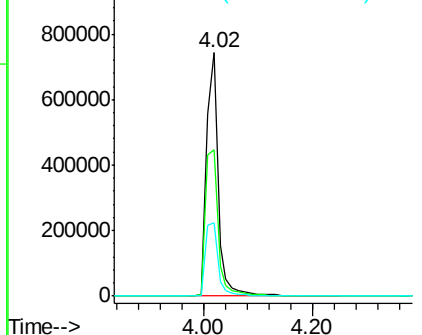


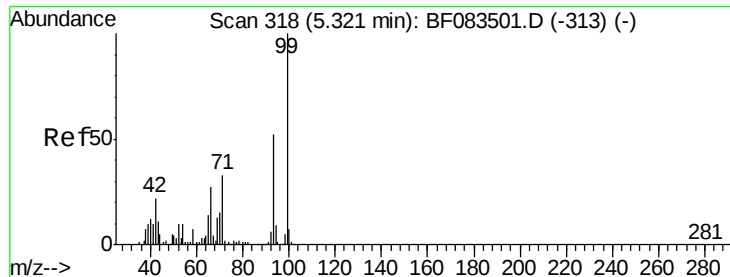
#5
 2-Fluorophenol
 Concen: 104.84 ng
 RT: 4.02 min Scan# 204
 Delta R.T. -0.01 min
 Lab File: BF083553.D
 Acq: 7 Dec 2015 10:18

Tgt Ion:112 Resp: 1103419
 Ion Ratio Lower Upper
 112 100
 64 60.2 50.5 75.7
 63 30.1 25.8 38.6



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: 99.36 ng

RT: 5.30 min Scan# 316

Delta R.T. -0.02 min

Lab File: BF083553.D

Acq: 7 Dec 2015 10:18

Instrument :

BNA_F

ClientSampled :

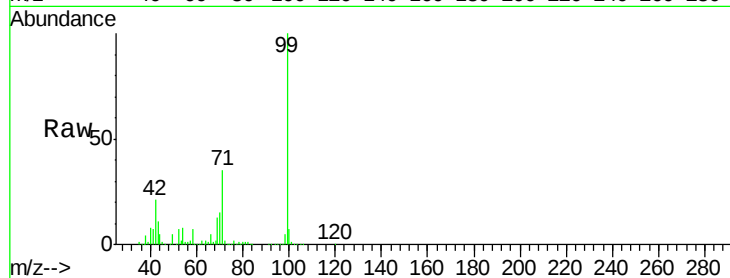
Tot Ion: 99 Resp: 1440847

Ion Ratio Lower Upper

99 100

42 21.4 17.3 25.9

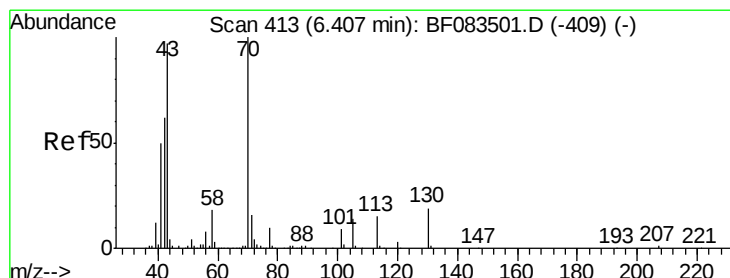
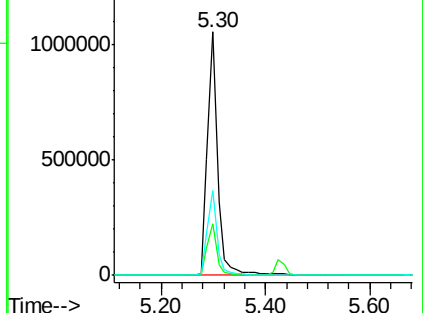
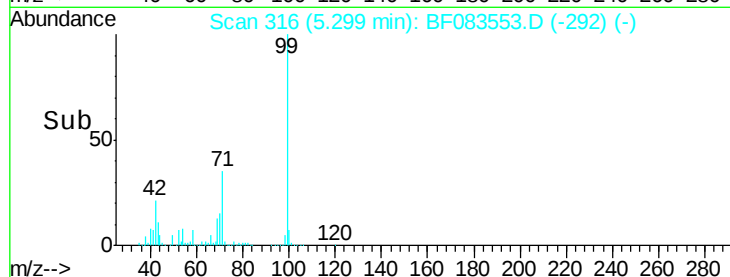
71 34.7 26.6 40.0



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



#19

n-Nitroso-di-n-propylamine

Concen: 12.00 ng

RT: 6.56 min Scan# 426

Delta R.T. 0.15 min

Lab File: BF083553.D

Acq: 7 Dec 2015 10:18

Tgt Ion: 70 Resp: 116121

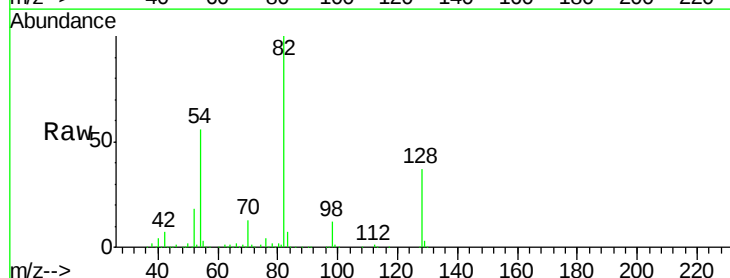
Ion Ratio Lower Upper

70 100

42 54.0 49.2 73.8

101 0.0 7.1 10.7#

130 1.6 15.4 23.0#

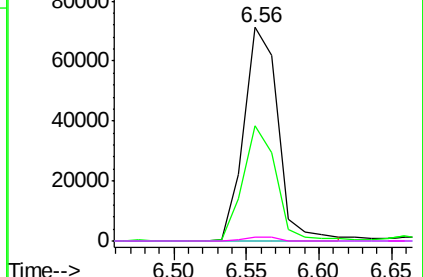
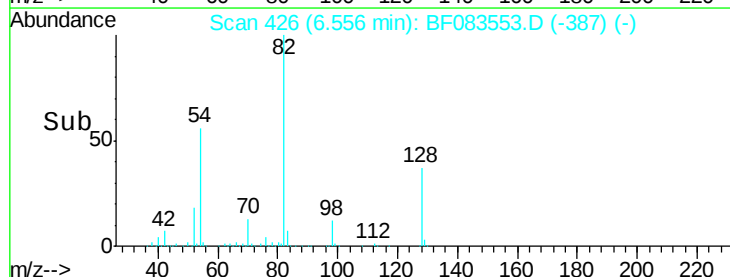


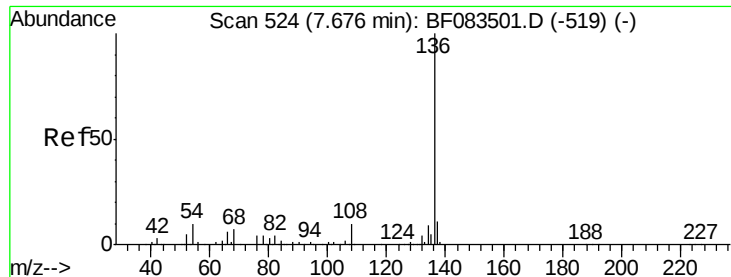
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0

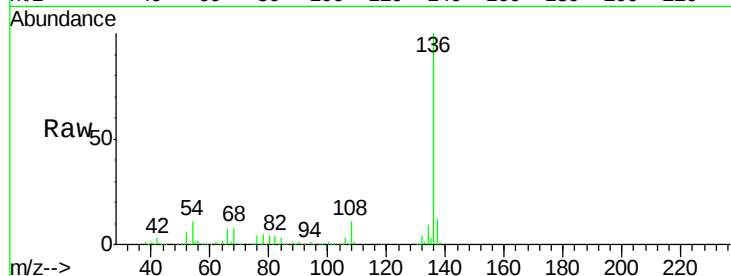




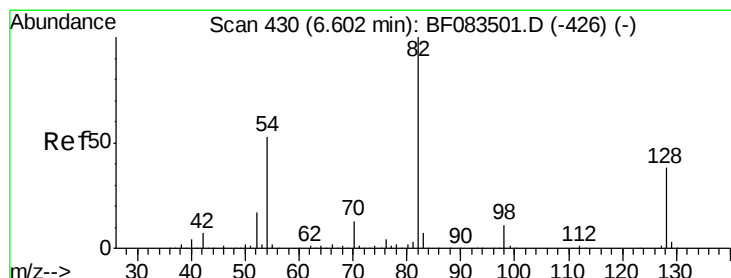
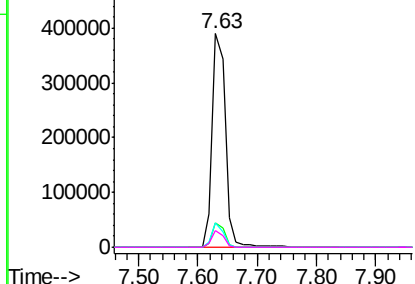
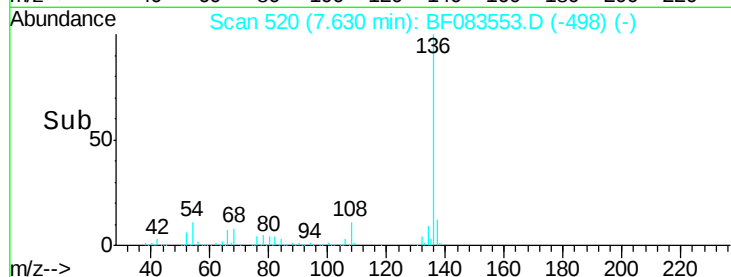
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.63 min Scan# 520
Delta R.T. -0.05 min
Lab File: BF083553.D
Acq: 7 Dec 2015 10:18

Instrument :
BNA_F
ClientSampled :

Tot Ion:136	Resp:	603627
Ion	Ratio	Lower Upper
136	100	
137	11.5	8.7 13.1
54	11.4	7.8 11.6
68	7.7	5.7 8.5

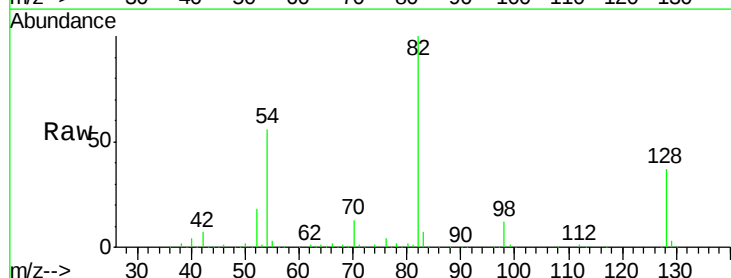


Abundance Ion 136.00 (135.70 to 136.70): E
600000
Ion 137.00 (136.70 to 137.70): E
500000
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

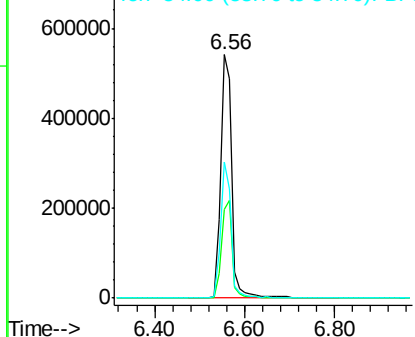
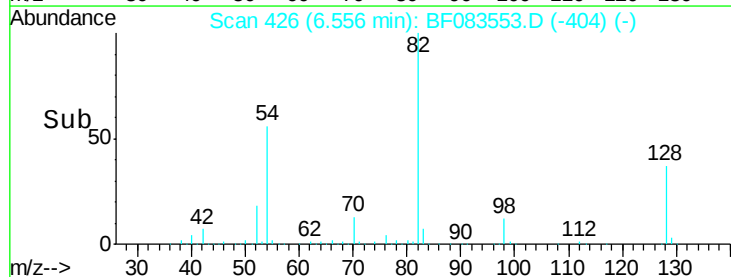


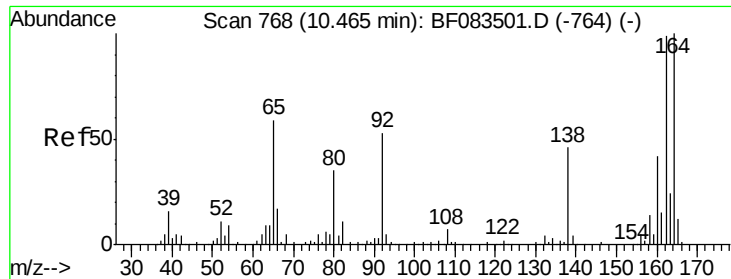
#23
Nitrobenzene-d5
Concen: 71.56 ng
RT: 6.56 min Scan# 426
Delta R.T. -0.05 min
Lab File: BF083553.D
Acq: 7 Dec 2015 10:18

Tgt Ion: 82	Resp:	924064
Ion	Ratio	Lower Upper
82	100	
128	36.6	30.7 46.1
54	55.7	42.5 63.7



Abundance Ion 82.00 (81.70 to 82.70): BF0
600000
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF0





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 10.43 min Scan# 765

Delta R.T. -0.03 min

Lab File: BF083553.D

Acq: 7 Dec 2015 10:18

Instrument :

BNA_F

ClientSampled :

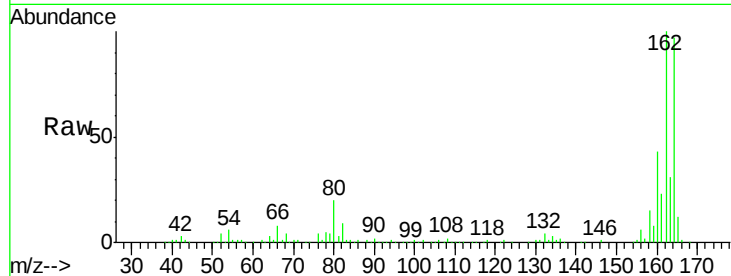
Tot Ion:164 Resp: 269019

Ion Ratio Lower Upper

164 100

162 103.2 78.8 118.2

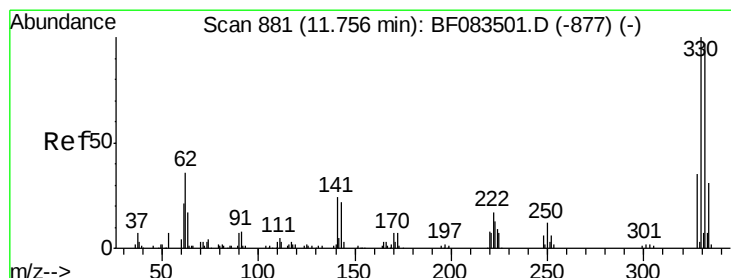
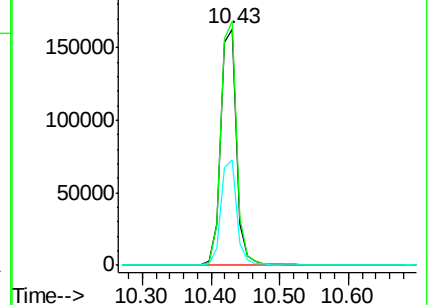
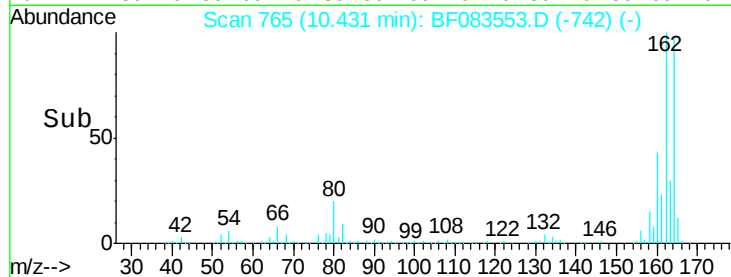
160 44.6 33.4 50.2



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: 85.35 ng

RT: 11.71 min Scan# 877

Delta R.T. -0.05 min

Lab File: BF083553.D

Acq: 7 Dec 2015 10:18

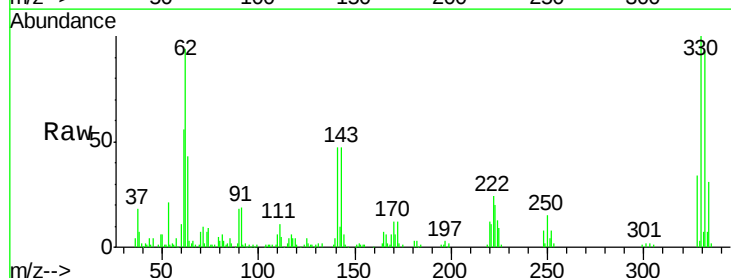
Tgt Ion:330 Resp: 211797

Ion Ratio Lower Upper

330 100

332 95.5 0.0 0.0#

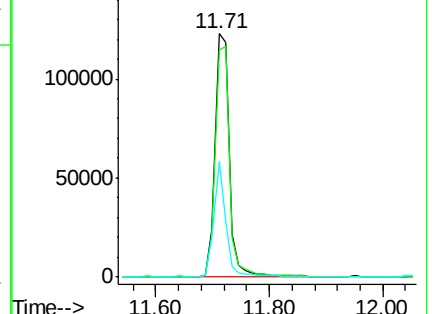
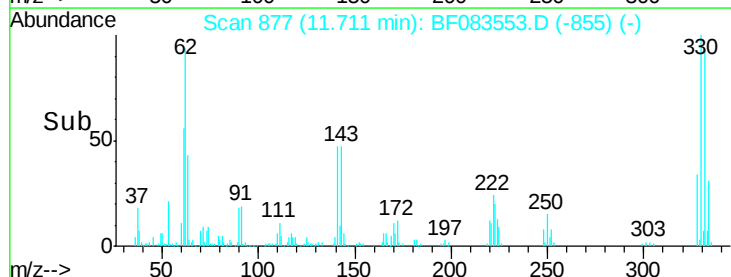
141 37.9 0.0 0.0#

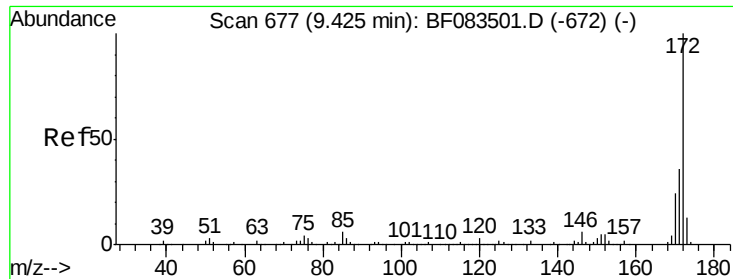


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



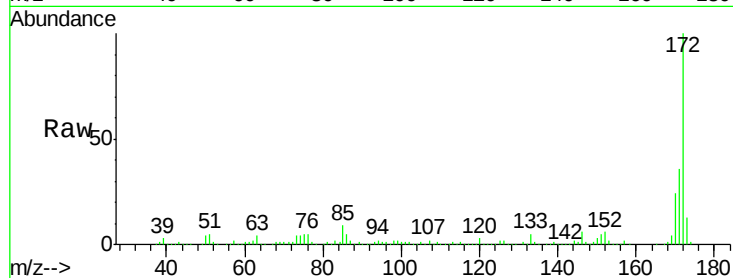


#44
 2-Fluorobiphenyl
 Concen: 69.84 ng
 RT: 9.38 min Scan# 673
 Delta R.T. -0.05 min
 Lab File: BF083553.D
 Acq: 7 Dec 2015 10:18

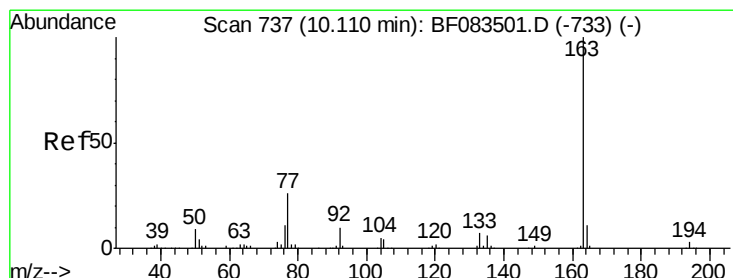
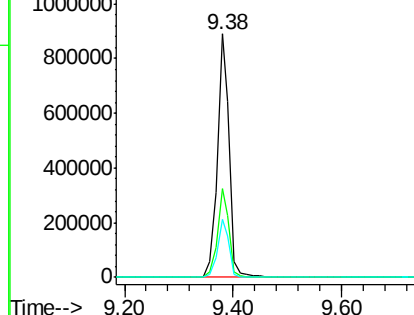
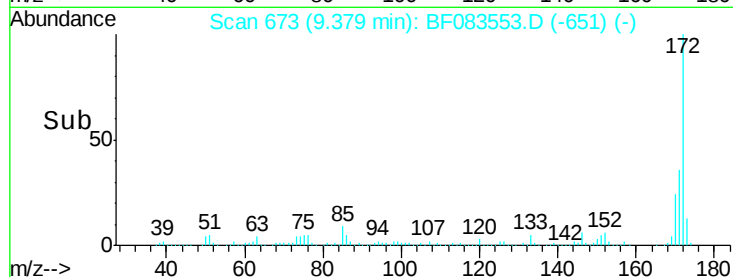
Instrument :
 BNA_F
 ClientSampled :

Tot Ion:172 Resp: 1385184

Ion	Ratio	Lower	Upper
172	100		
171	36.2	28.6	42.8
170	23.8	19.4	29.0



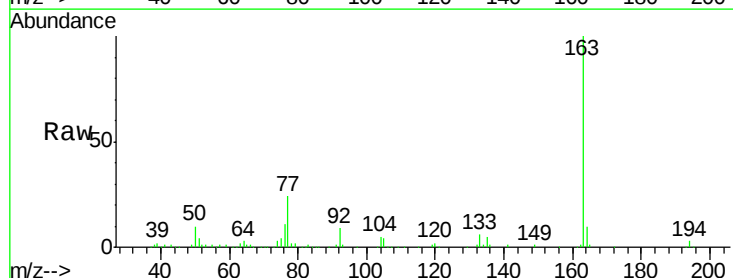
Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E



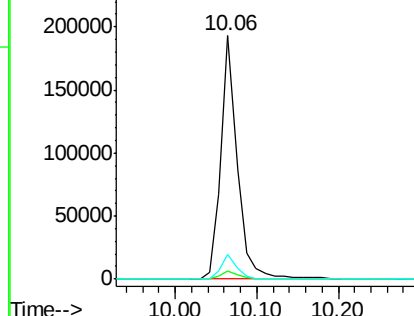
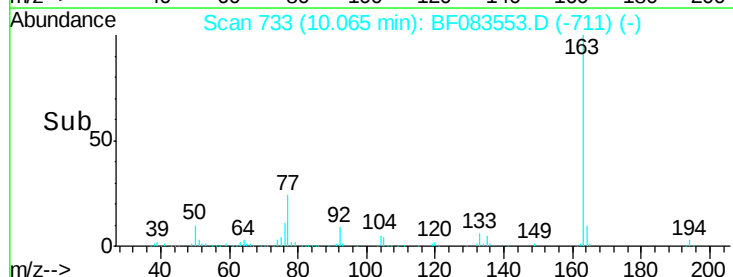
#49
 Dimethylphthalate
 Concen: 12.82 ng
 RT: 10.06 min Scan# 733
 Delta R.T. -0.05 min
 Lab File: BF083553.D
 Acq: 7 Dec 2015 10:18

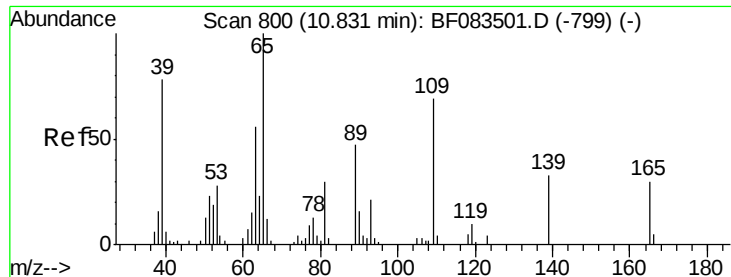
Tgt Ion:163 Resp: 271547

Ion	Ratio	Lower	Upper
163	100		
194	3.2	2.8	4.2
164	10.1	8.6	13.0



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

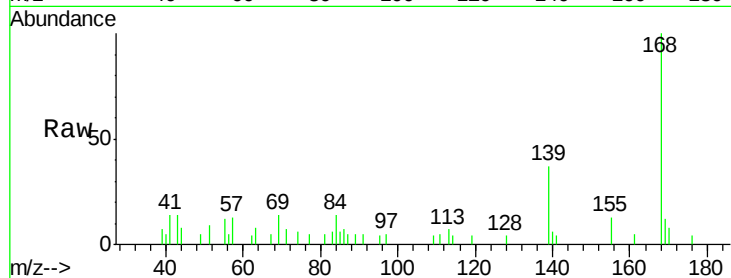




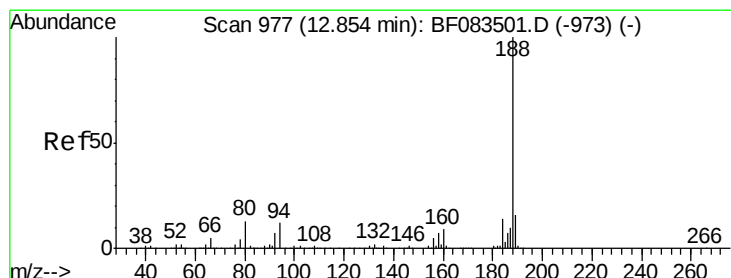
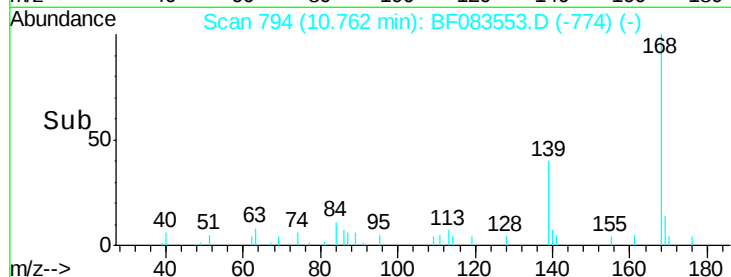
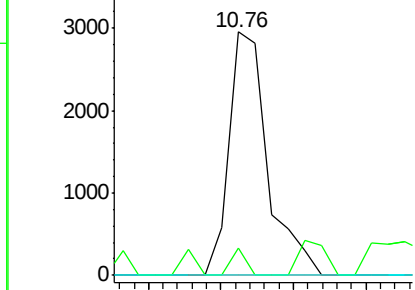
#55
4-Nitrophenol
Concen: 2.02 ng
RT: 10.76 min Scan# 794
Delta R.T. -0.07 min
Lab File: BF083553.D
Acq: 7 Dec 2015 10:18

Instrument :
BNA_F
ClientSampleId :

Tot Ion:139 Resp: 5465
Ion Ratio Lower Upper
139 100
109 11.0 42.0 82.0#
65 0.0 89.2 129.2#

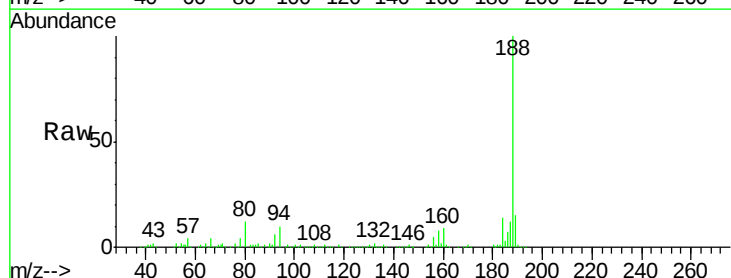


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF0

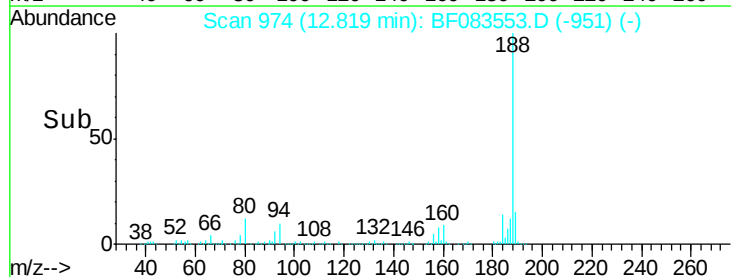
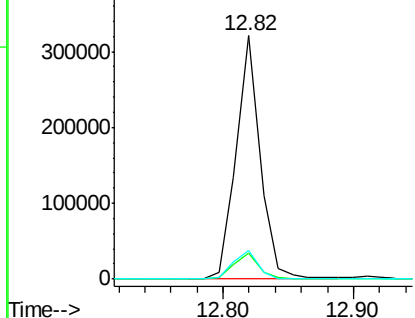


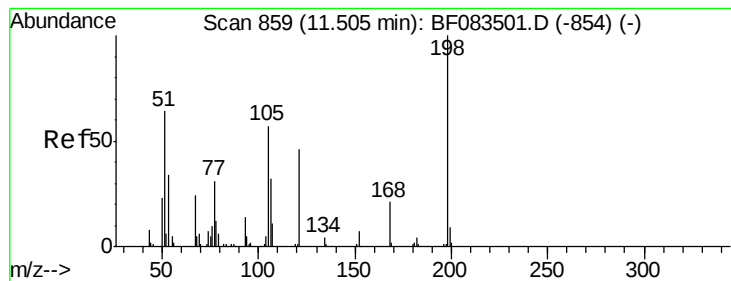
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.82 min Scan# 974
Delta R.T. -0.03 min
Lab File: BF083553.D
Acq: 7 Dec 2015 10:18

Tgt Ion:188 Resp: 412527
Ion Ratio Lower Upper
188 100
94 10.5 9.4 14.2
80 11.9 10.6 16.0



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





#64

4,6-Dinitro-2-methylphenol

Concen: 3.57 ng

RT: 11.71 min Scan# 877

Delta R.T. 0.21 min

Lab File: BF083553.D

Acq: 7 Dec 2015 10:18

Instrument :

BNA_F

ClientSampleId :

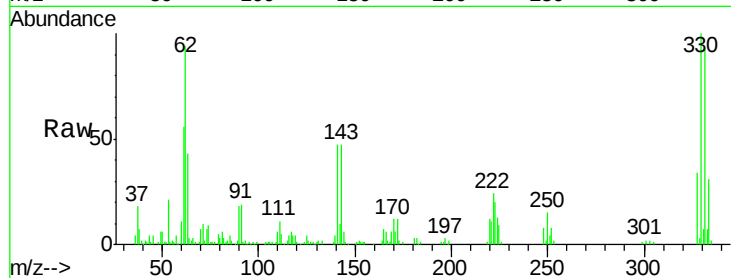
Tot Ion:198 Resp: 251

Ion Ratio Lower Upper

198 100

51 327.0 53.8 93.8#

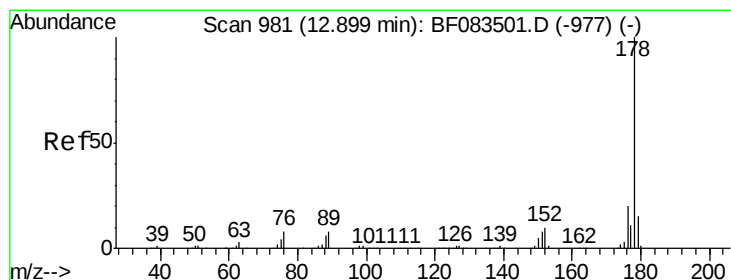
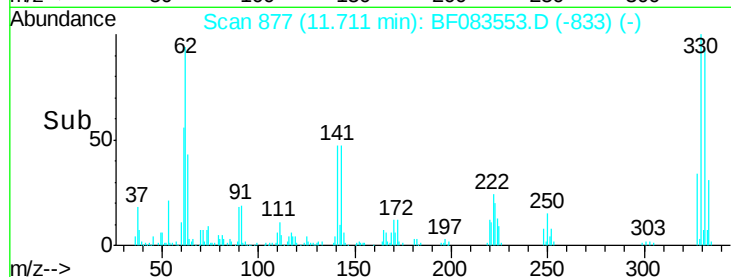
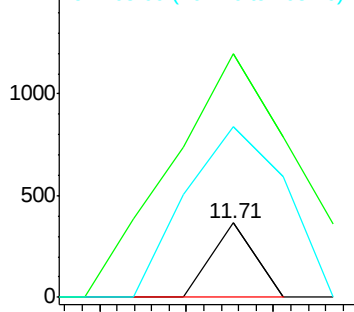
105 228.4 38.6 78.6#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E



#70

Phenanthrene

Concen: 3.01 ng

RT: 12.85 min Scan# 977

Delta R.T. -0.05 min

Lab File: BF083553.D

Acq: 7 Dec 2015 10:18

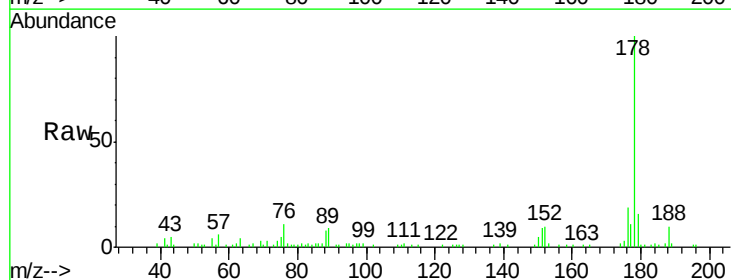
Tgt Ion:178 Resp: 72341

Ion Ratio Lower Upper

178 100

176 18.8 15.7 23.5

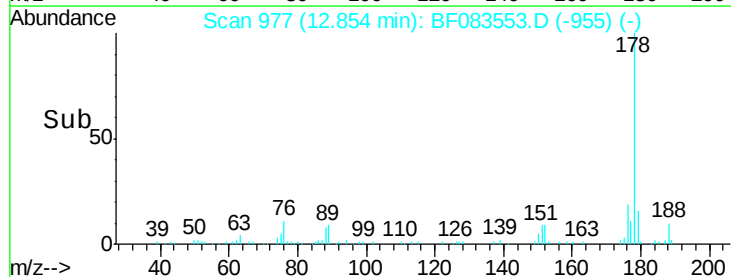
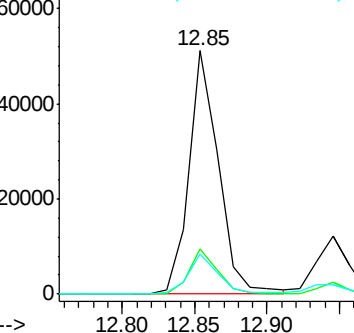
179 16.2 12.2 18.4

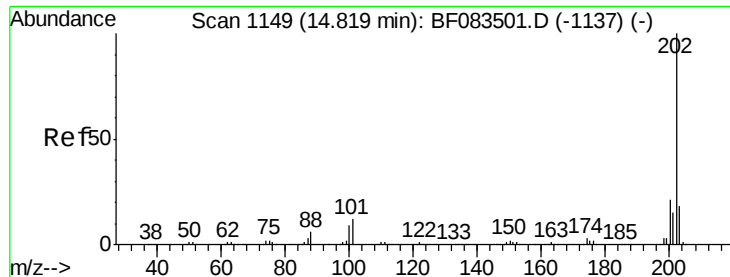


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

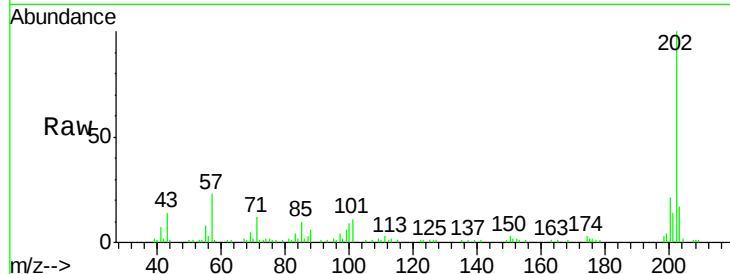




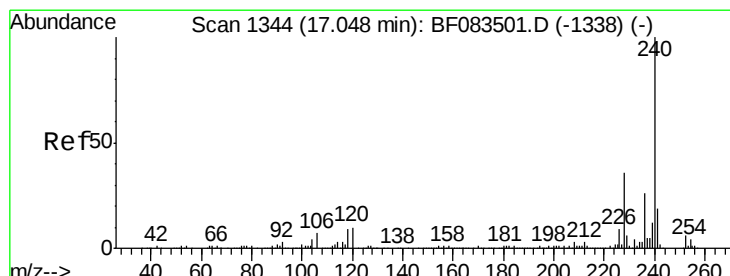
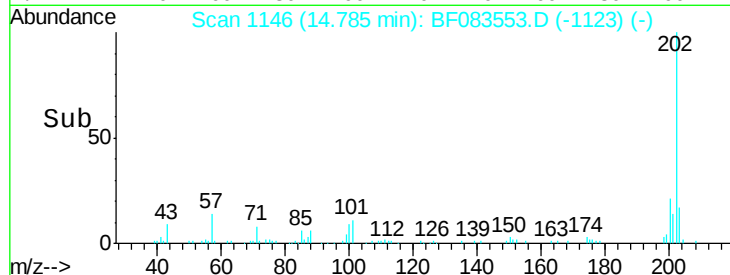
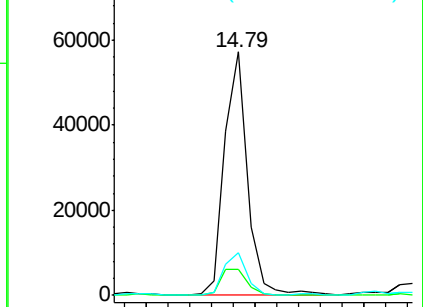
#74
 Fluoranthene
 Concen: 3.52 ng
 RT: 14.79 min Scan# 1146
 Delta R.T. -0.03 min
 Lab File: BF083553.D
 Acq: 7 Dec 2015 10:18

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:202 Resp: 83742
 Ion Ratio Lower Upper
 202 100
 101 10.9 0.0 31.5
 203 17.5 0.0 37.6

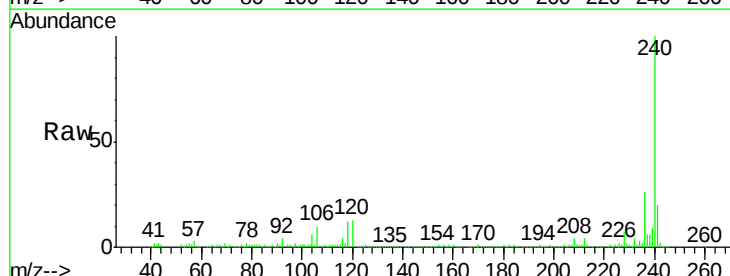


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E

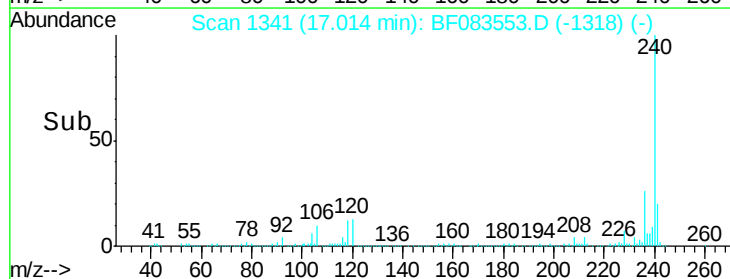
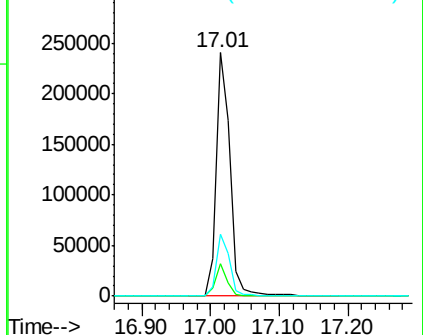


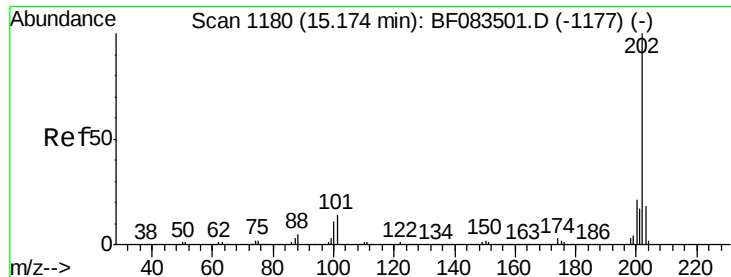
#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 17.01 min Scan# 1341
 Delta R.T. -0.03 min
 Lab File: BF083553.D
 Acq: 7 Dec 2015 10:18

Tgt Ion:240 Resp: 343074
 Ion Ratio Lower Upper
 240 100
 120 13.5 8.1 12.1#
 236 25.6 20.8 31.2



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

Pvrene

Concen: 2.87 ng

RT: 15.14 min Scan# 1177

Delta R.T. -0.03 min

Lab File: BF083553.D

Acq: 7 Dec 2015 10:18

Instrument :

BNA_F

ClientSampleId :

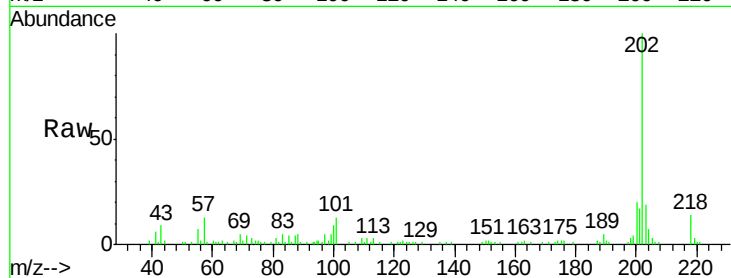
Tot Ion:202 Resp: 73762

Ion Ratio Lower Upper

202 100

200 20.2 16.7 25.1

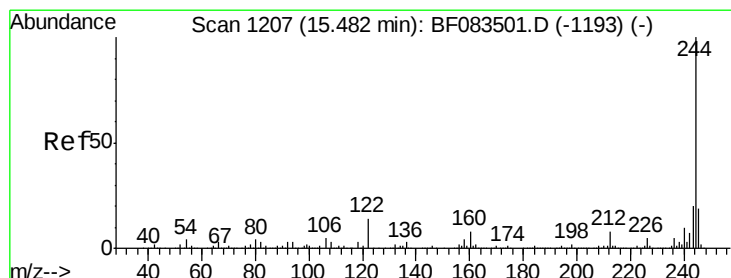
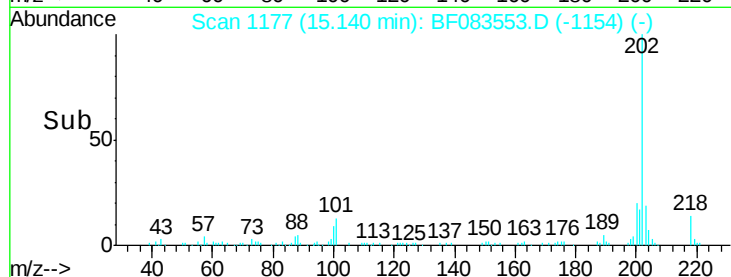
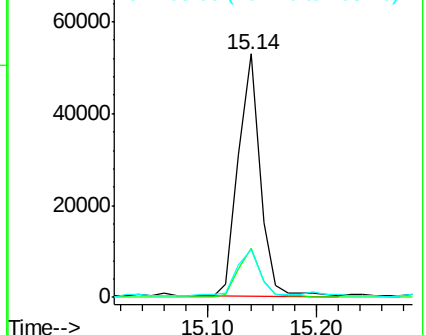
203 19.4 14.3 21.5



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: 63.27 ng

RT: 15.46 min Scan# 1205

Delta R.T. -0.02 min

Lab File: BF083553.D

Acq: 7 Dec 2015 10:18

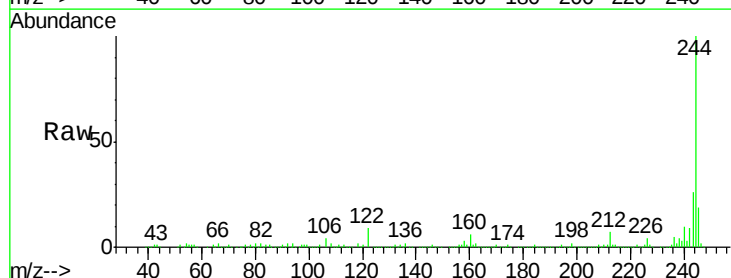
Tgt Ion:244 Resp: 975422

Ion Ratio Lower Upper

244 100

212 7.1 6.1 9.1

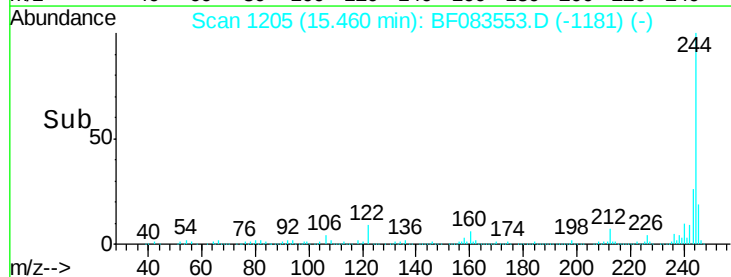
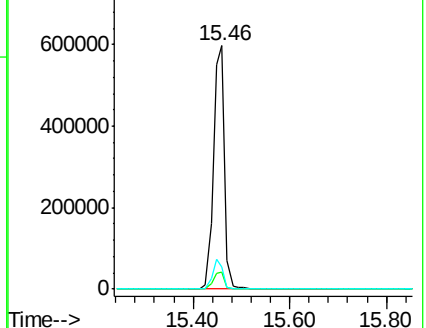
122 9.3 11.0 16.6#

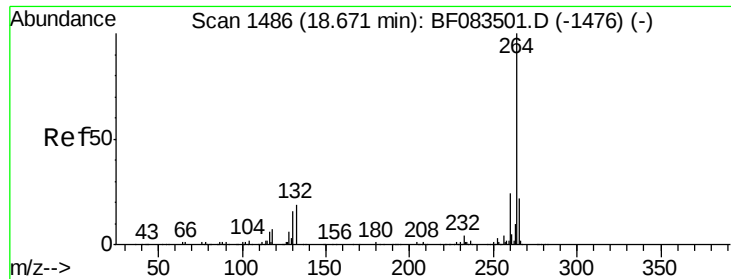


Abundance Ion 244.00 (243.70 to 244.70): E

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: 18.65 min Scan# 1484

Delta R.T. -0.02 min

Lab File: BF083553.D

Acq: 7 Dec 2015 10:18

Instrument :

BNA_F

ClientSampleId :

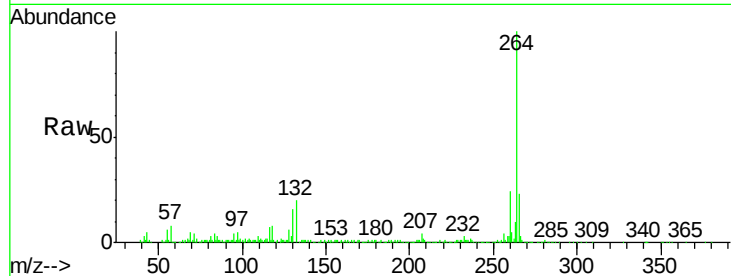
Tot Ion:264 Resp: 267903

Ion Ratio Lower Upper

264 100

260 23.6 19.4 29.0

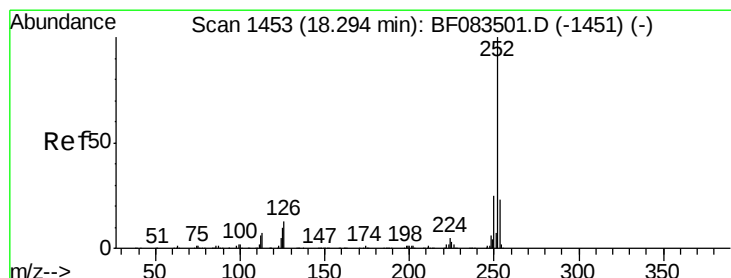
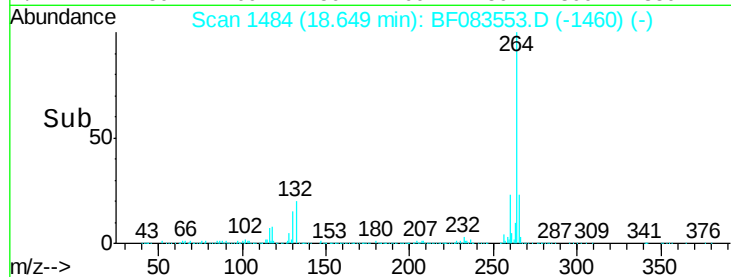
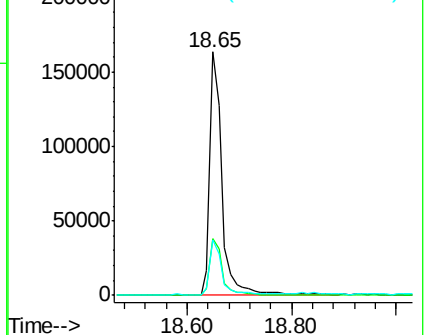
265 23.0 17.8 26.6



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



#87

Benzo(b)fluoranthene

Concen: 3.26 ng

RT: 18.28 min Scan# 1452

Delta R.T. -0.01 min

Lab File: BF083553.D

Acq: 7 Dec 2015 10:18

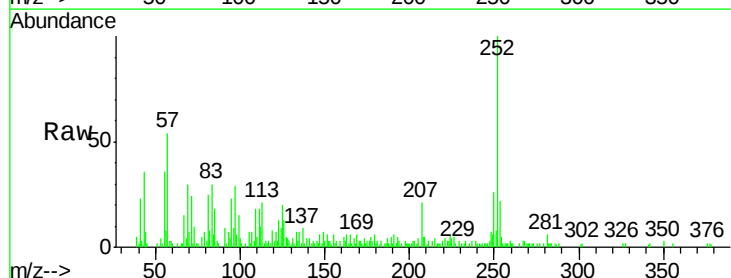
Tgt Ion:252 Resp: 49056

Ion Ratio Lower Upper

252 100

253 22.2 18.2 27.4

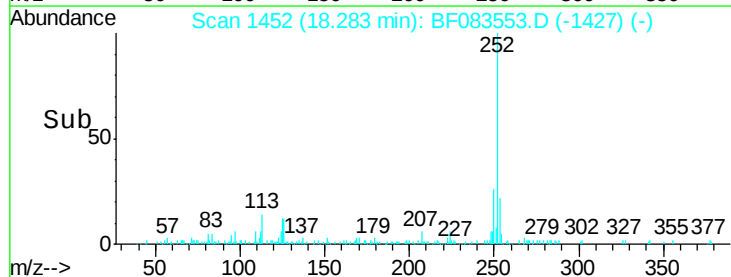
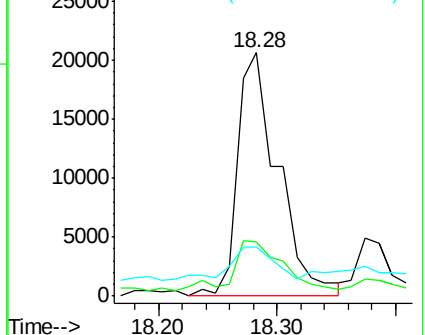
125 20.3 8.2 12.4#

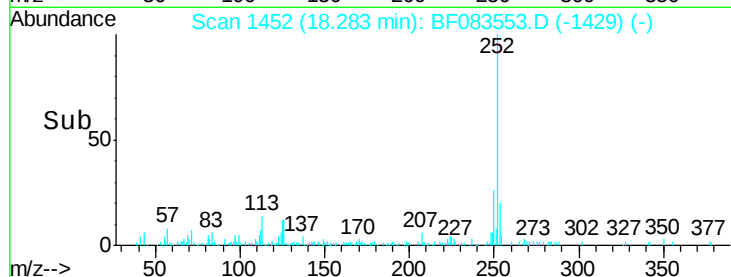
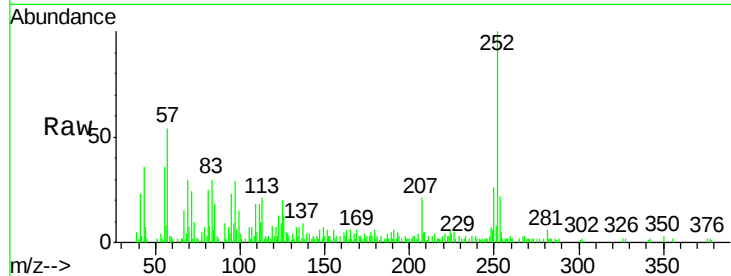
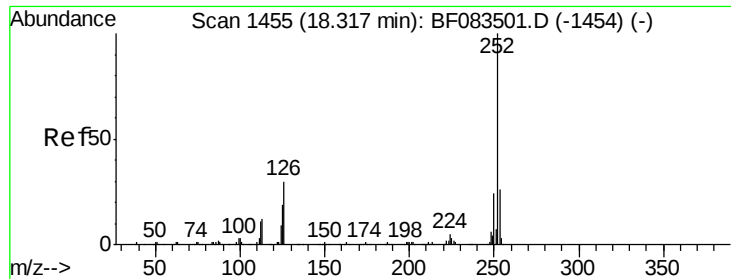


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#88

Benzo(k)fluoranthene

Concen: 3.18 ng

RT: 18.28 min Scan# 1452

Delta R.T. -0.03 min

Lab File: BF083553.D

Acq: 7 Dec 2015 10:18

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 252 Resp: 49056

Ion Ratio Lower Upper

252 100

253 22.2 18.6 27.8

125 20.3 11.5 17.3

