

Data Path : Z:\HPCHEM1\BNA F\DATA\BF090315\
 Data File : BF081415.D
 Acq On : 4 Sep 2015 11:30
 Operator : UM/IZ
 Sample : G3505-10
 Misc :
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

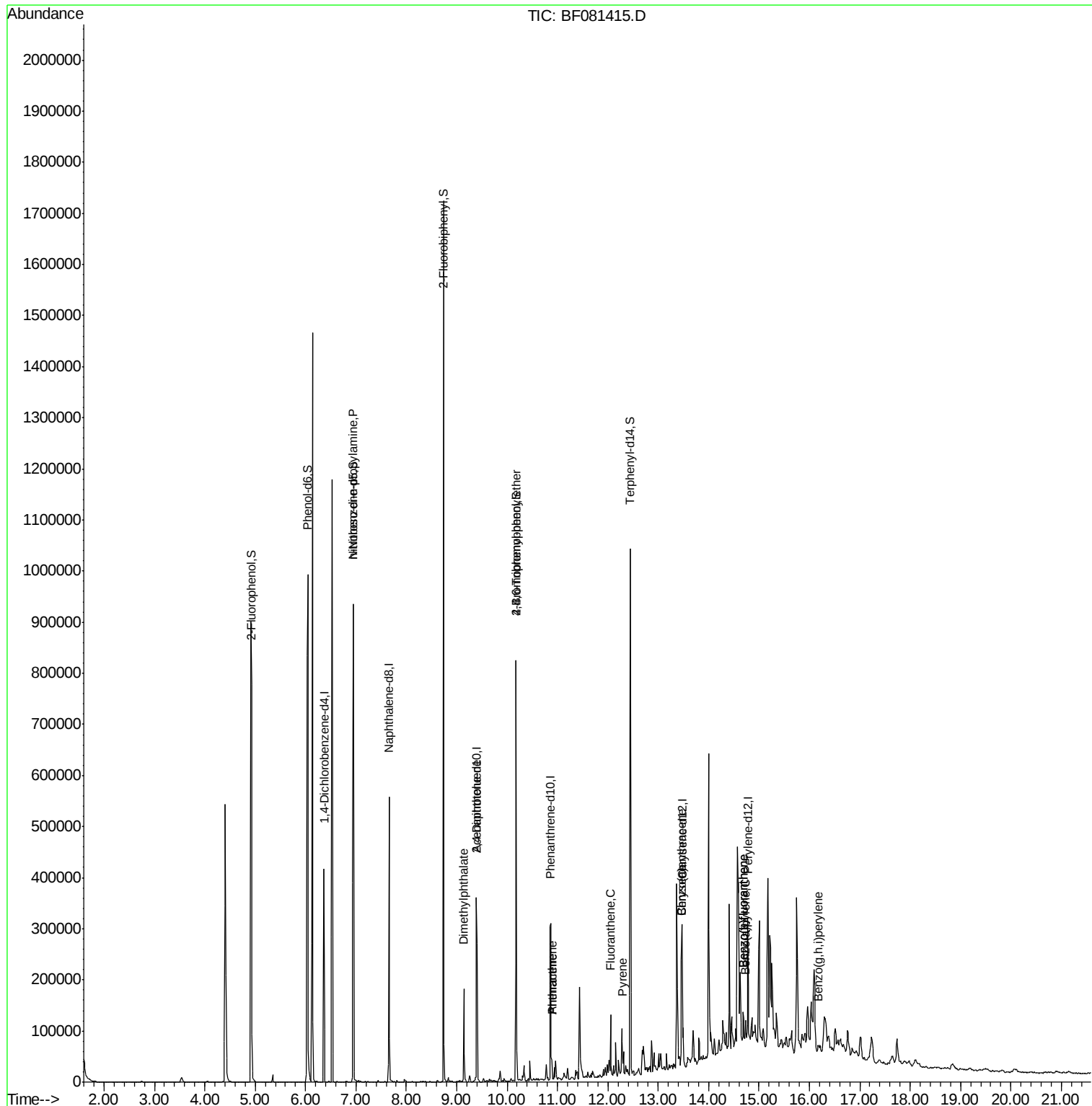
Quant Time: Sep 04 13:05:03 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF090115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 01 17:35:35 2015
 Response via : Initial Calibration

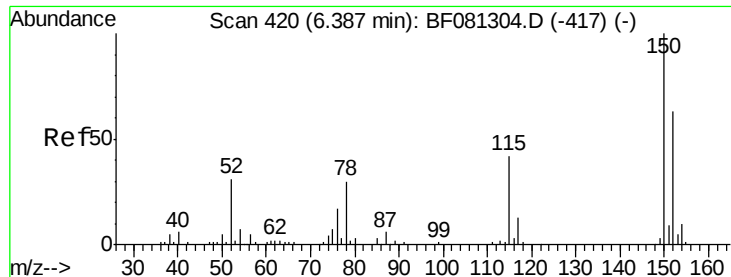
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.36	152	57132	20.00	ng	-0.02
21) Naphthalene-d8	7.66	136	219298	20.00	ng	-0.02
38) Acenaphthene-d10	9.39	164	92565	20.00	ng	-0.02
63) Phenanthrene-d10	10.87	188	168454	20.00	ng	-0.01
75) Chrysene-d12	13.47	240	111439	20.00	ng	-0.02
86) Perylene-d12	14.78	264	93703	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	4.92	112	325385	88.36	ng	0.00
7) Phenol-d6	6.04	99	465200	95.44	ng	-0.01
23) Nitrobenzene-d5	6.95	82	316227	69.57	ng	-0.02
41) 2,4,6-Tribromophenol	10.18	330	70706	85.79	ng	-0.02
44) 2-Fluorobiphenyl	8.74	172	474028	65.63	ng	-0.02
78) Terphenyl-d14	12.44	244	288141	60.19	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	6.95	70	42758	12.89	ng	# 58
49) Dimethylphthalate	9.14	163	70361	9.78	ng	# 96
56) 2,4-Dinitrotoluene	9.39	165	11710	5.63	ng	# 31
66) 4-Bromophenyl-phenylether	10.18	248	5797	3.40	ng	# 1
70) Phenanthrene	10.89	178	23885	2.55	ng	98
71) Anthracene	10.89	178	23885	2.48	ng	98
74) Fluoranthene	12.06	202	49190	4.85	ng	89
77) Pyrene	12.28	202	46486	5.63	ng	98
80) Benzo(a)anthracene	13.46	228	20803	2.93	ng	# 92
82) Chrysene	13.46	228	20803	3.27	ng	94
87) Benzo(b)fluoranthene	14.69	252	14362	2.15	ng	95
88) Benzo(k)fluoranthene	14.69	252	14362	2.59	ng	96
89) Benzo(a)pyrene	14.73	252	18021	3.18	ng	# 91
91) Benzo(a,h,i)perylene	16.18	276	8913	2.13	ng	# 74

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

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Misc      :  
ALS Vial  : 37 Sample Multiplier: 1
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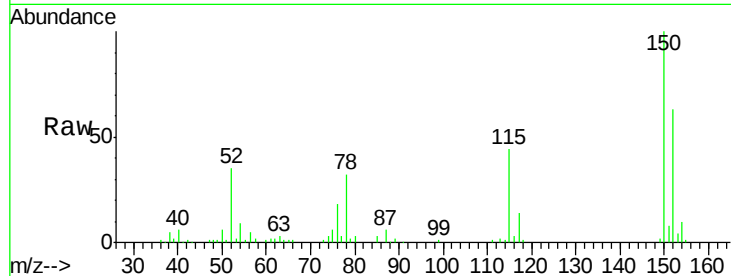


#1

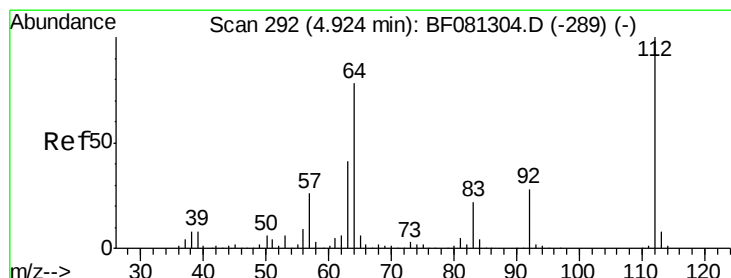
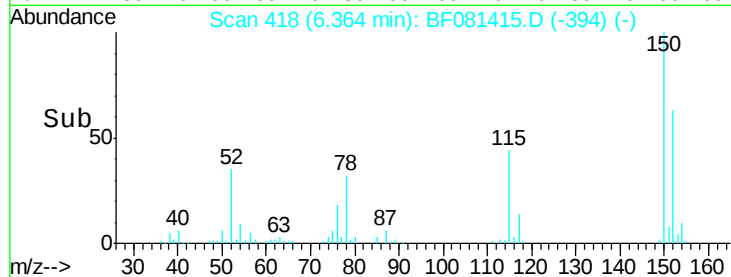
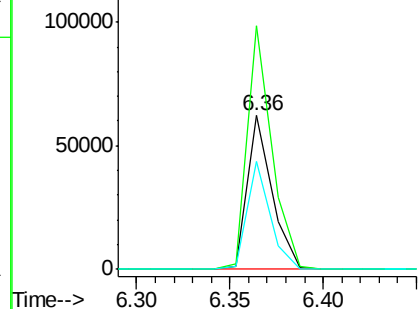
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.36 min Scan# 418
Delta R.T. -0.02 min
Lab File: BF081415.D
Acq: 4 Sep 2015 11:30

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 57132
Ion Ratio Lower Upper
152 100
150 158.7 124.7 187.1
115 70.0 39.0 58.4#



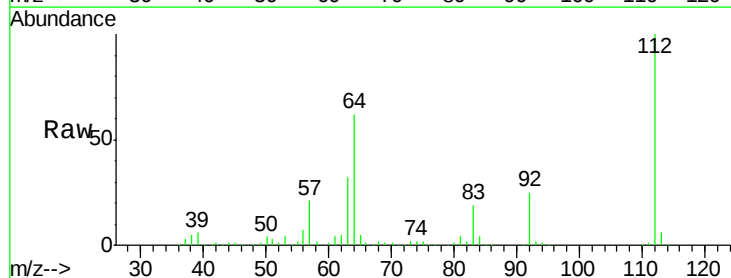
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



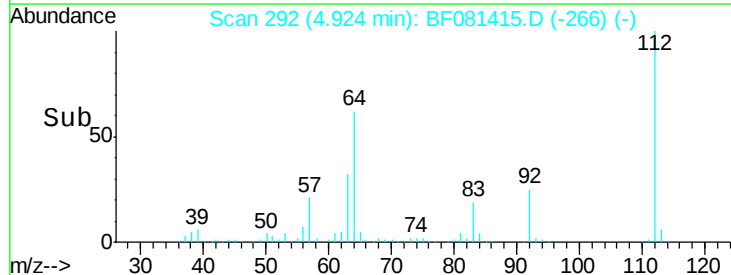
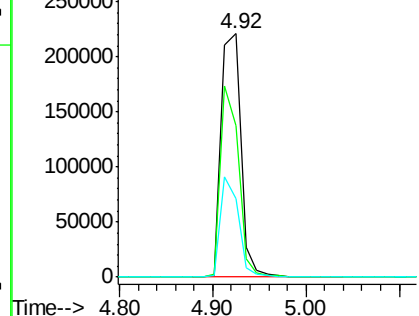
#5

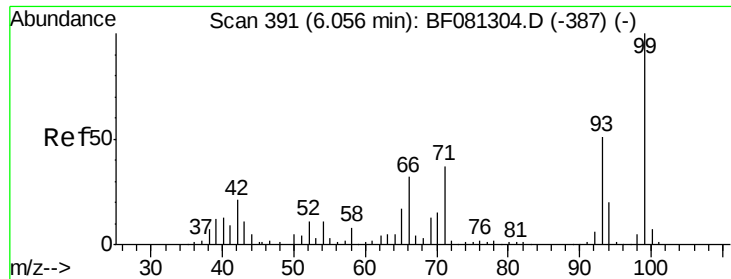
2-Fluorophenol
Concen: 88.36 ng
RT: 4.92 min Scan# 292
Delta R.T. 0.00 min
Lab File: BF081415.D
Acq: 4 Sep 2015 11:30

Tgt Ion:112 Resp: 325385
Ion Ratio Lower Upper
112 100
64 62.3 39.7 59.5#
63 32.5 17.4 26.0#



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: 95.44 ng

RT: 6.04 min Scan# 390

Delta R.T. -0.01 min

Lab File: BF081415.D

Acq: 4 Sep 2015 11:30

Instrument :

BNA_F

ClientSampleId :

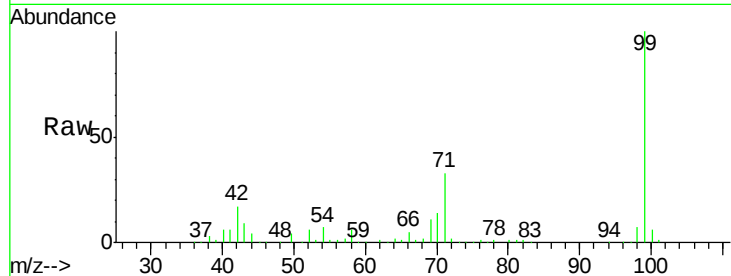
Tot Ion: 99 Resp: 465200

Ion Ratio Lower Upper

99 100

42 16.5 13.7 20.5

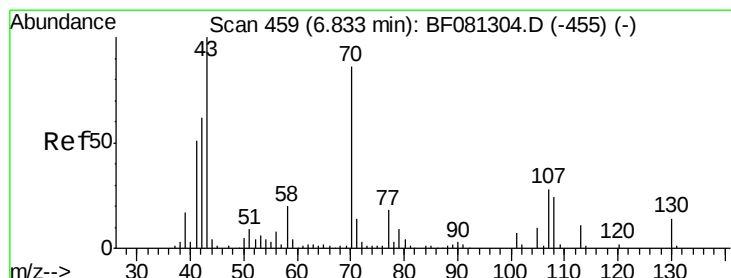
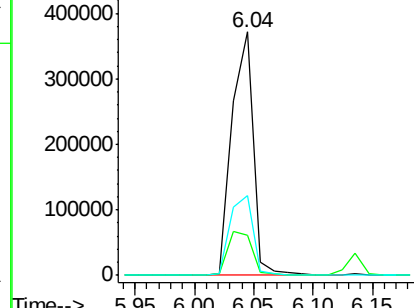
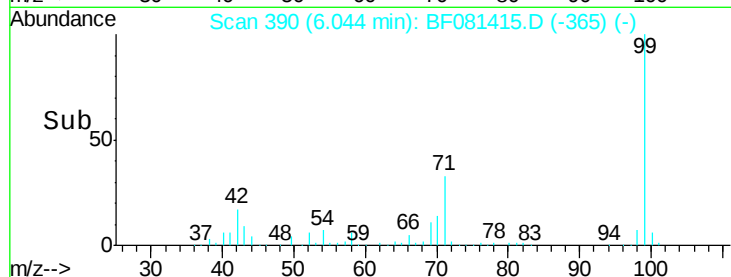
71 32.6 14.2 21.2#



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: 12.89 ng

RT: 6.95 min Scan# 469

Delta R.T. 0.11 min

Lab File: BF081415.D

Acq: 4 Sep 2015 11:30

Tgt Ion: 70 Resp: 42758

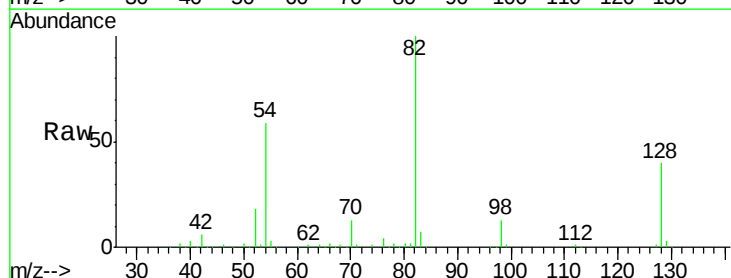
Ion Ratio Lower Upper

70 100

42 47.0 63.8 95.6#

101 0.0 9.2 13.8#

130 1.5 27.3 40.9#

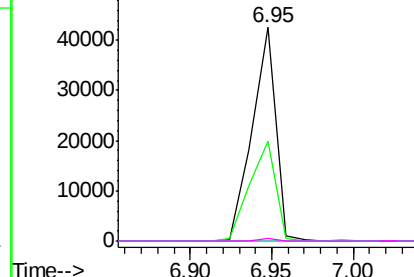
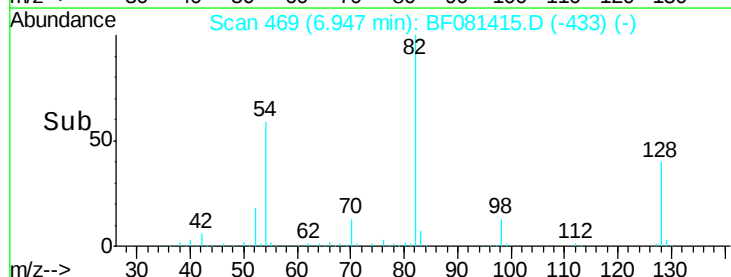


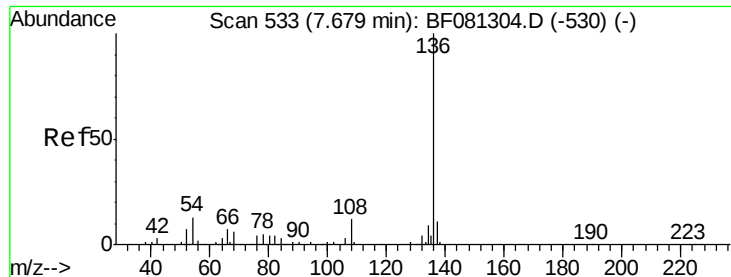
Abundance Ion 70.00 (69.70 to 70.70): BF0

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: 7.66 min Scan# 531

Delta R.T. -0.02 min

Lab File: BF081415.D

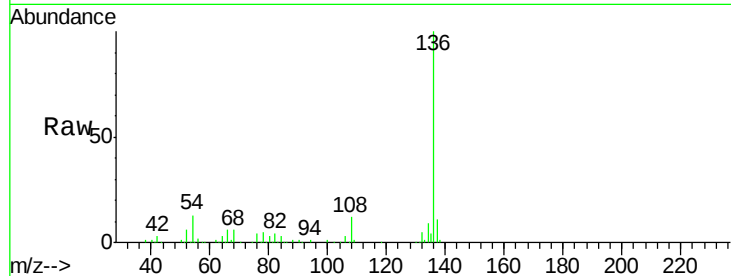
Acq: 4 Sep 2015 11:30

Instrument :

BNA_F

ClientSampleId :

Tot Ion:	136	Resp:	219298
Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.0	13.6
54	12.5	8.2	12.2#
68	5.8	5.8	8.6

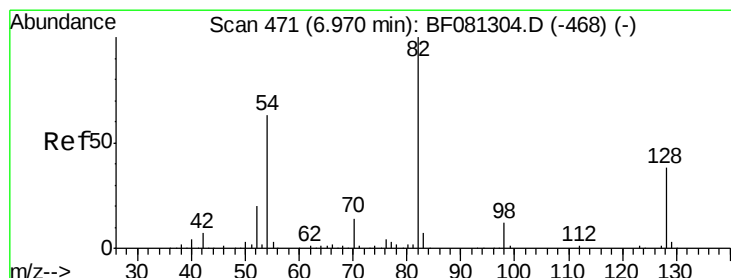
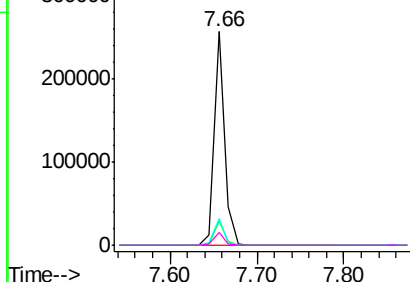
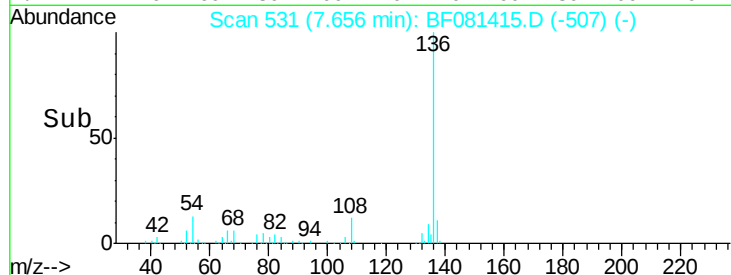


Abundance Ion 136.00 (135.70 to 136.70): E

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: 69.57 ng

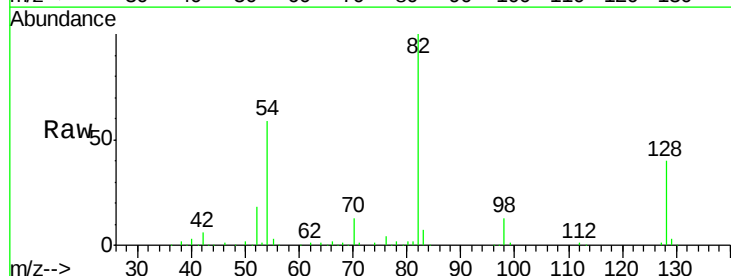
RT: 6.95 min Scan# 469

Delta R.T. -0.02 min

Lab File: BF081415.D

Acq: 4 Sep 2015 11:30

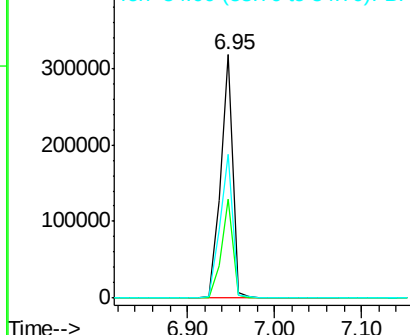
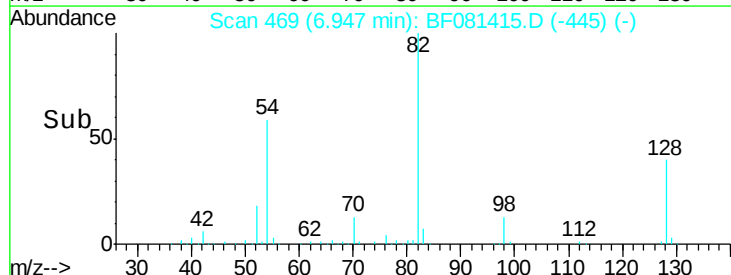
Tgt Ion:	82	Resp:	316227
Ion	Ratio	Lower	Upper
82	100		
128	40.5	51.0	76.6#
54	58.9	47.5	71.3

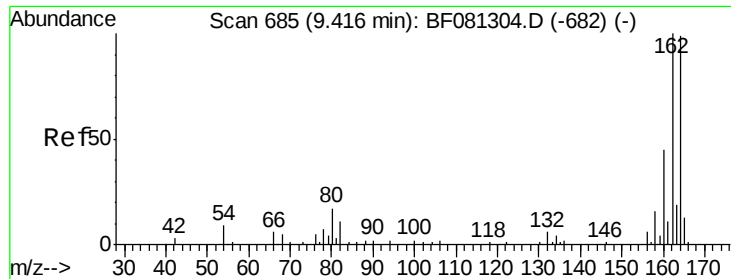


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

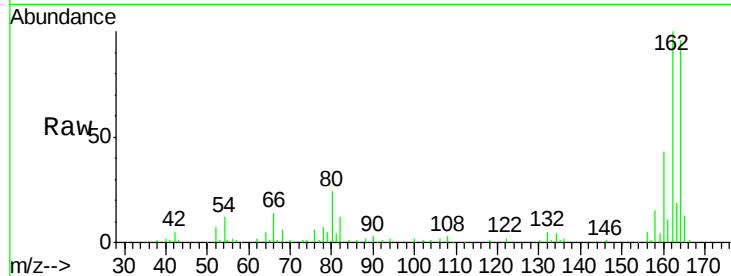




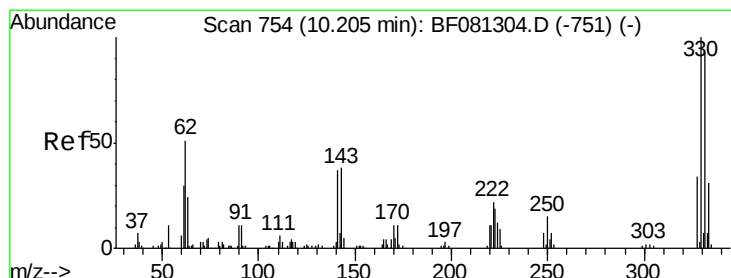
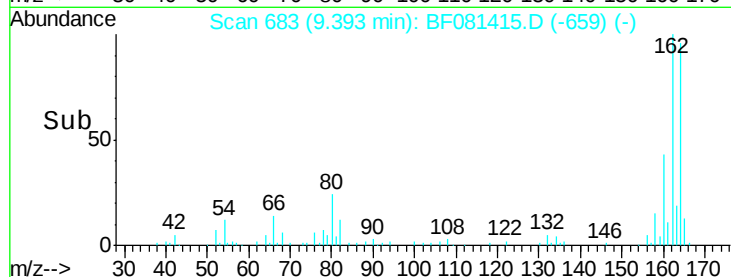
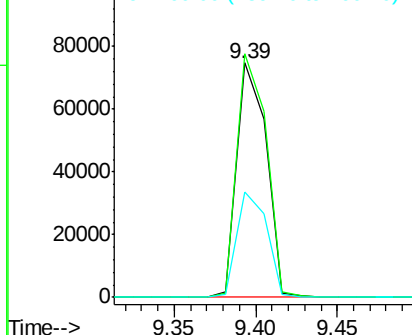
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.39 min Scan# 683
 Delta R.T. -0.02 min
 Lab File: BF081415.D
 Acq: 4 Sep 2015 11:30

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:164 Resp: 92565
 Ion Ratio Lower Upper
 164 100
 162 103.9 75.2 112.8
 160 45.0 31.5 47.3

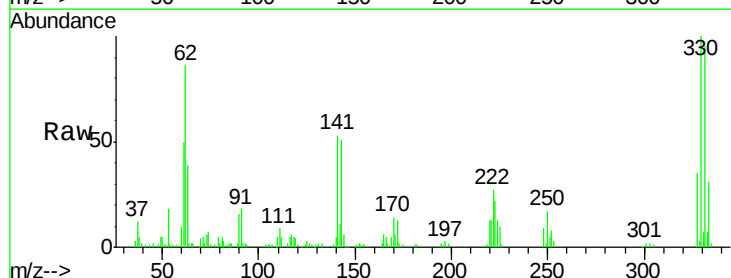


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

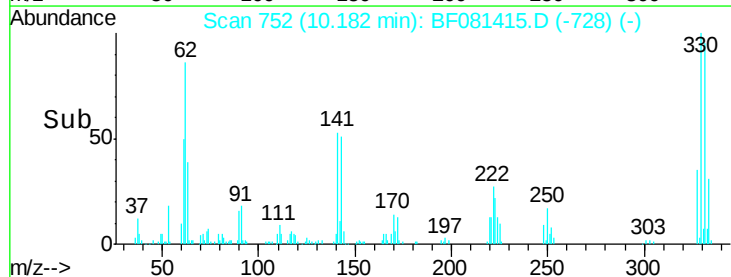
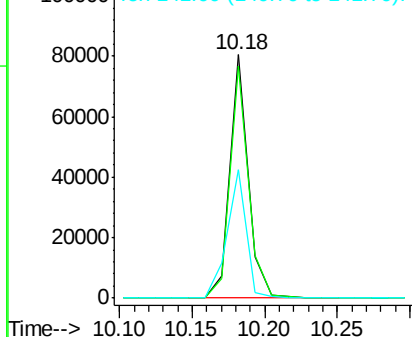


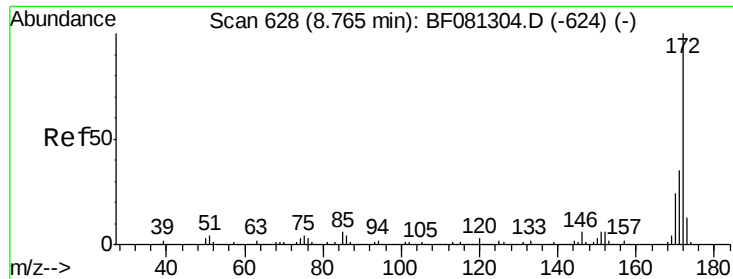
#41
 2,4,6-Tribromophenol
 Concen: 85.79 ng
 RT: 10.18 min Scan# 752
 Delta R.T. -0.02 min
 Lab File: BF081415.D
 Acq: 4 Sep 2015 11:30

Tgt Ion:330 Resp: 70706
 Ion Ratio Lower Upper
 330 100
 332 96.3 76.6 114.8
 141 54.8 29.7 44.5#



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

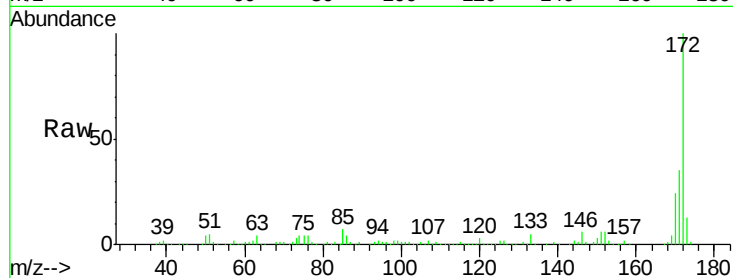




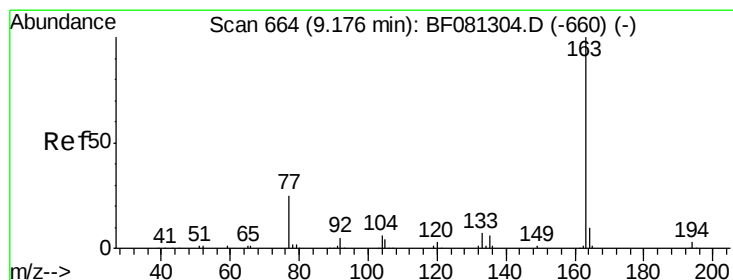
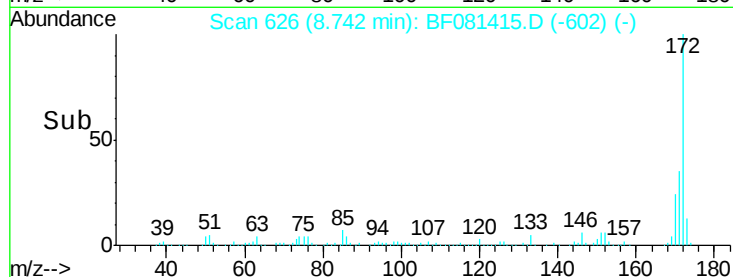
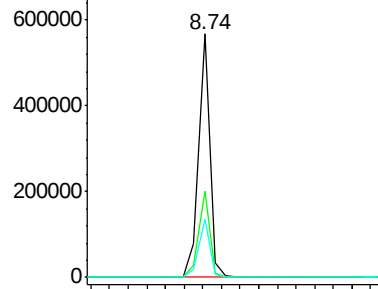
#44
 2-Fluorobiphenyl
 Concen: 65.63 ng
 RT: 8.74 min Scan# 626
 Delta R.T. -0.02 min
 Lab File: BF081415.D
 Acq: 4 Sep 2015 11:30

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:172 Resp: 474028
 Ion Ratio Lower Upper
 172 100
 171 35.3 26.1 39.1
 170 23.8 17.4 26.2

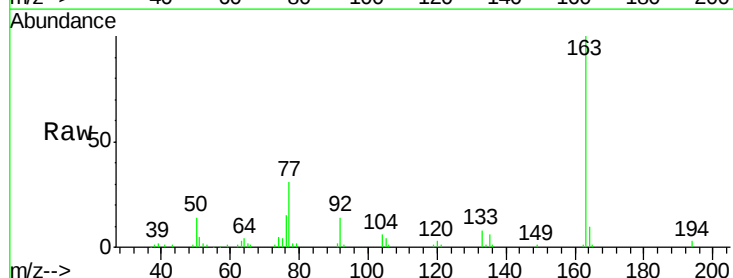


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

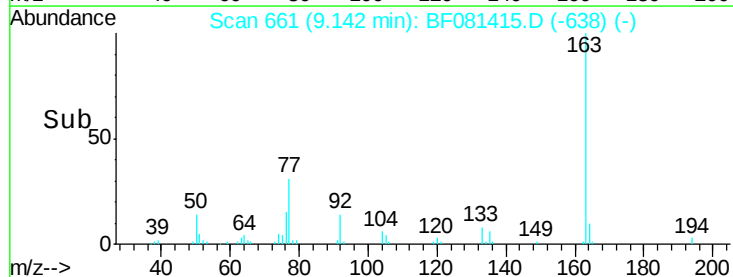
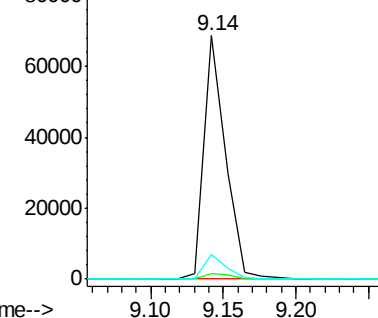


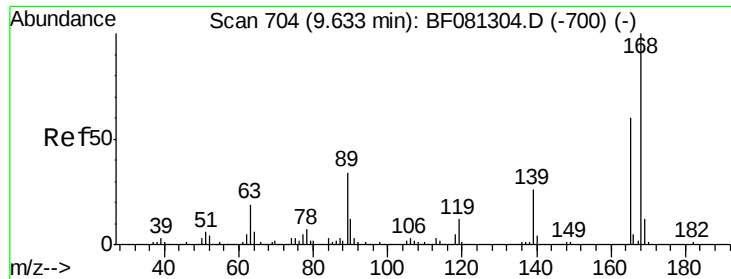
#49
 Dimethylphthalate
 Concen: 9.78 ng
 RT: 9.14 min Scan# 661
 Delta R.T. -0.03 min
 Lab File: BF081415.D
 Acq: 4 Sep 2015 11:30

Tgt Ion:163 Resp: 70361
 Ion Ratio Lower Upper
 163 100
 194 2.5 4.4 6.6#
 164 10.0 8.3 12.5



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

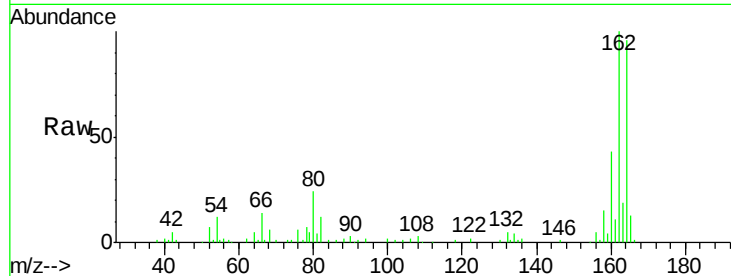




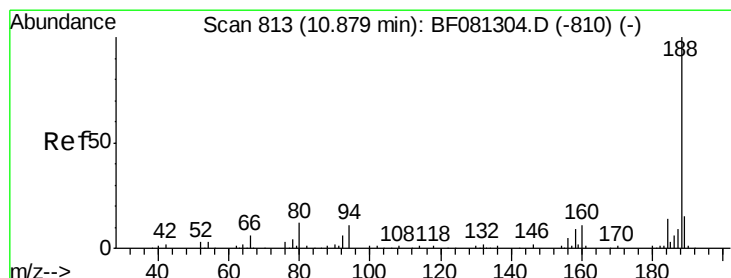
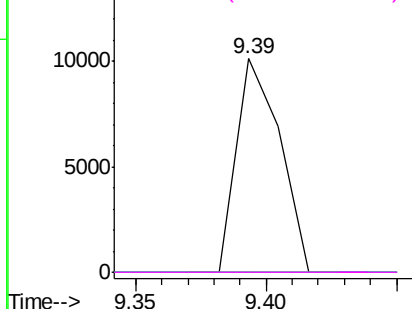
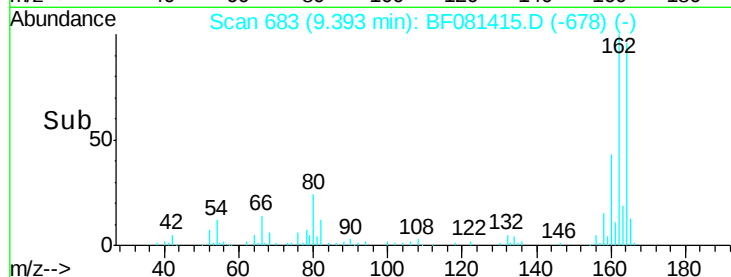
#56
 2,4-Dinitrotoluene
 Concen: 5.63 ng
 RT: 9.39 min Scan# 683
 Delta R.T. -0.24 min
 Lab File: BF081415.D
 Acq: 4 Sep 2015 11:30

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:165 Resp: 11710
 Ion Ratio Lower Upper
 165 100
 63 0.0 29.8 44.6#
 89 0.0 44.5 66.7#
 182 0.0 3.0 4.4#

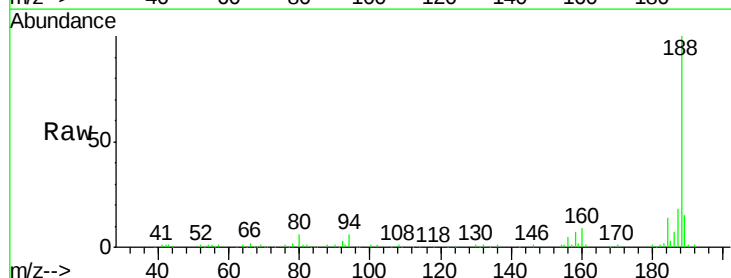


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0
 Ion 182.00 (181.70 to 182.70): E

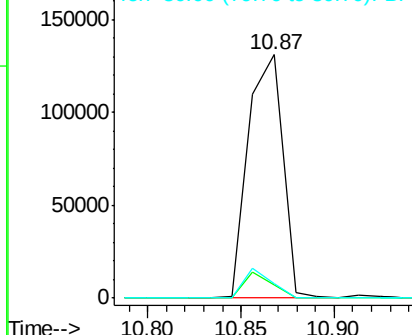
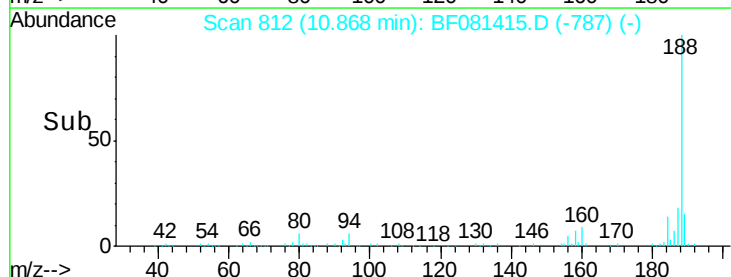


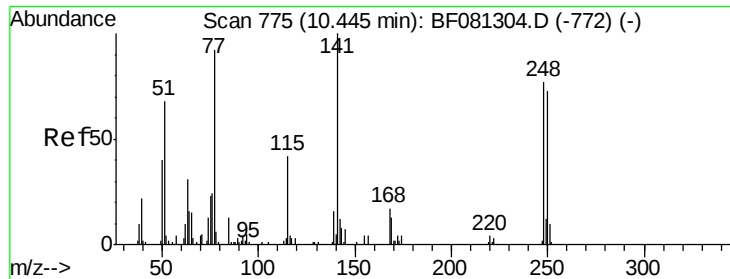
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 10.87 min Scan# 812
 Delta R.T. -0.01 min
 Lab File: BF081415.D
 Acq: 4 Sep 2015 11:30

Tgt Ion:188 Resp: 168454
 Ion Ratio Lower Upper
 188 100
 94 5.6 11.1 16.7#
 80 5.8 11.0 16.4#



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

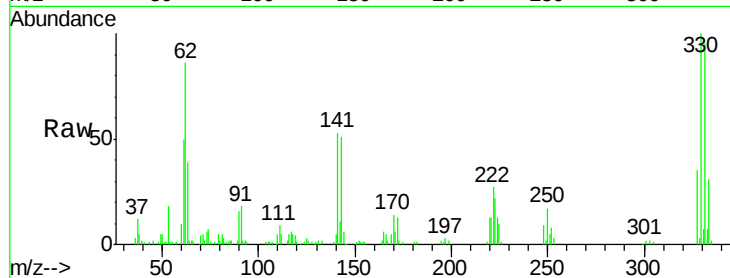




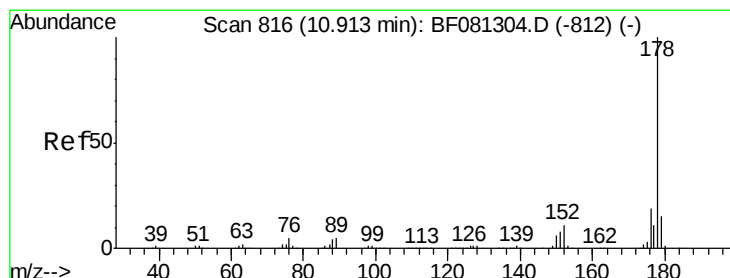
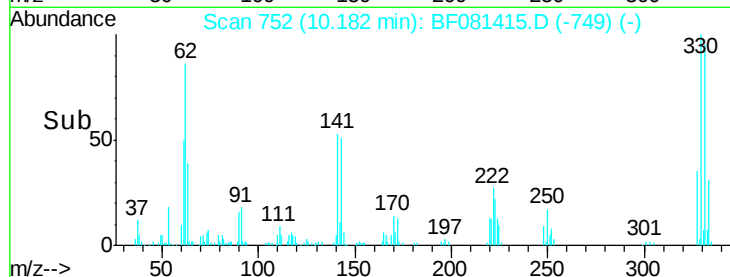
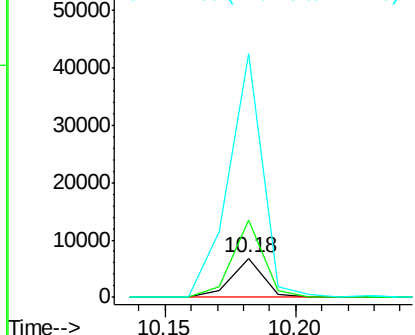
#66
4-Bromophenyl-phenylether
Concen: 3.40 ng
RT: 10.18 min Scan# 752
Delta R.T. -0.26 min
Lab File: BF081415.D
Acq: 4 Sep 2015 11:30

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 5797
Ion Ratio Lower Upper
248 100
250 195.7 78.5 117.7#
141 617.1 59.0 88.6#

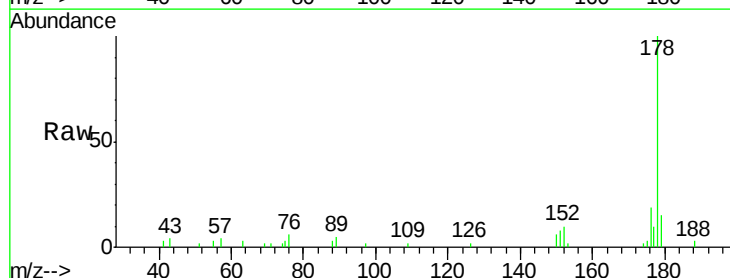


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

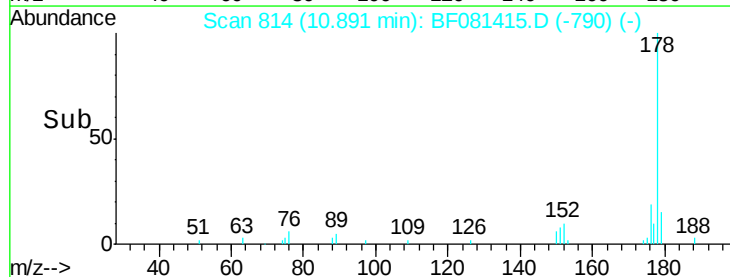
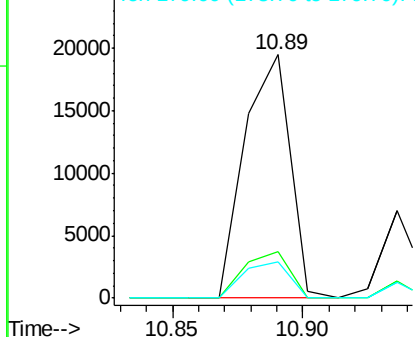


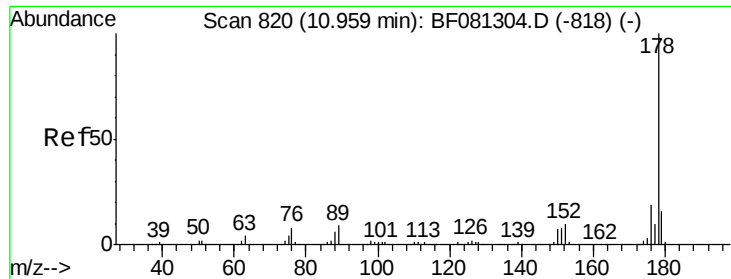
#70
Phenanthrene
Concen: 2.55 ng
RT: 10.89 min Scan# 814
Delta R.T. -0.02 min
Lab File: BF081415.D
Acq: 4 Sep 2015 11:30

Tgt Ion:178 Resp: 23885
Ion Ratio Lower Upper
178 100
176 18.9 13.8 20.8
179 14.7 12.2 18.2



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





#71

Anthracene

Concen: 2.48 ng

RT: 10.89 min Scan# 814

Delta R.T. -0.07 min

Lab File: BF081415.D

Acq: 4 Sep 2015 11:30

Instrument :

BNA_F

ClientSampleId :

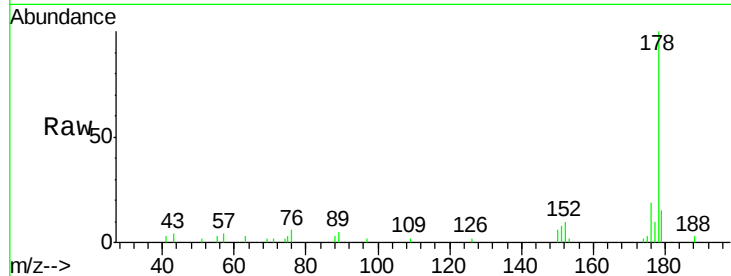
Tot Ion:178 Resp: 23885

Ion Ratio Lower Upper

178 100

176 18.9 14.1 21.1

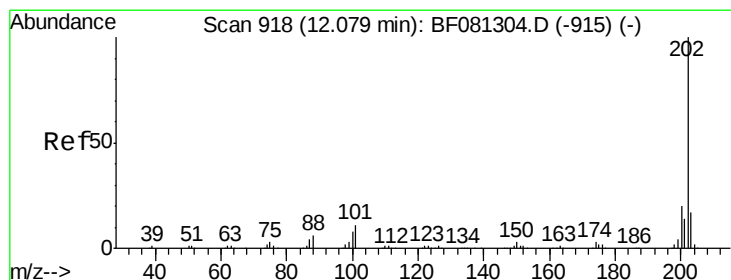
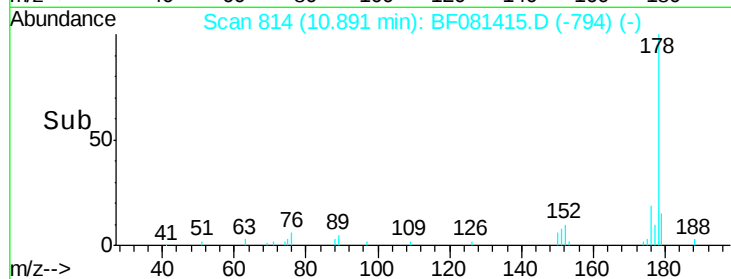
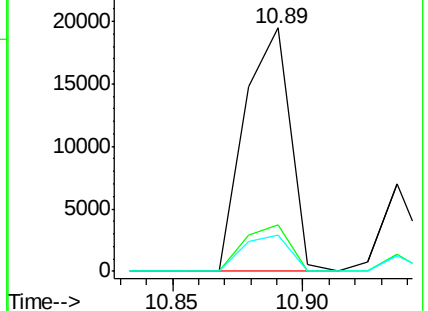
179 14.7 12.2 18.2



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: 4.85 ng

RT: 12.06 min Scan# 916

Delta R.T. -0.02 min

Lab File: BF081415.D

Acq: 4 Sep 2015 11:30

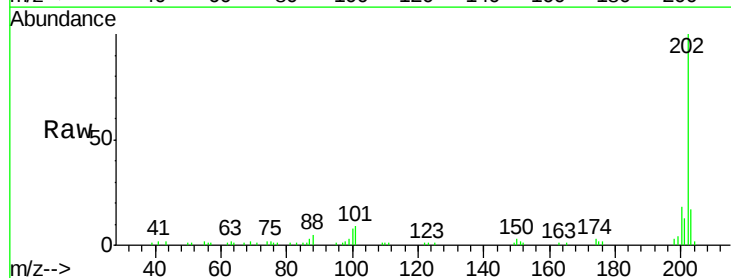
Tgt Ion:202 Resp: 49190

Ion Ratio Lower Upper

202 100

101 9.0 0.0 38.3

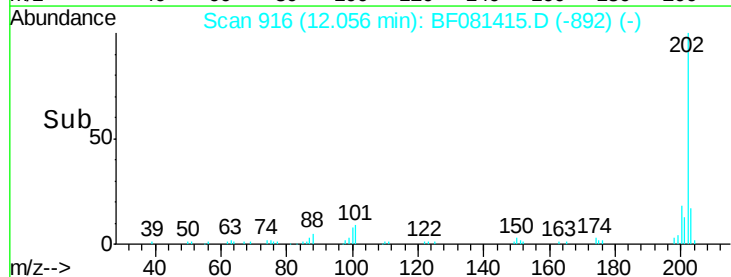
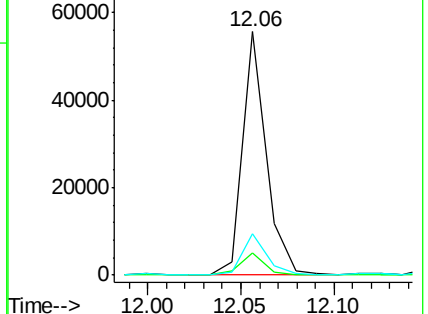
203 17.0 0.0 37.3

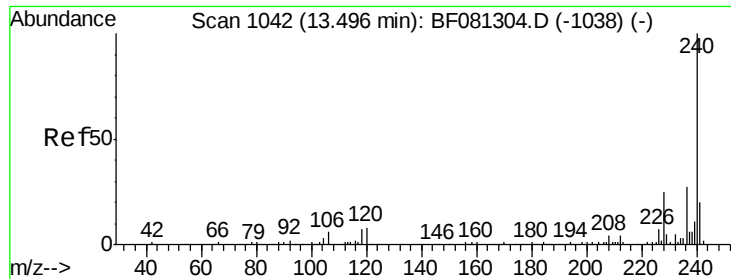


Abundance Ion 202.00 (201.70 to 202.70): E

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: 13.47 min Scan# 1040

Delta R.T. -0.02 min

Lab File: BF081415.D

Acq: 4 Sep 2015 11:30

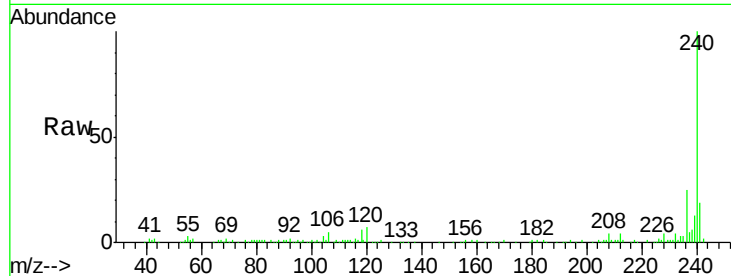
Instrument :

BNA_F

ClientSampleId :

Tot Ion:240 Resp: 111439

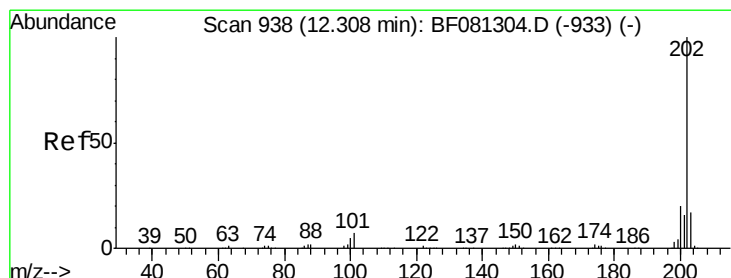
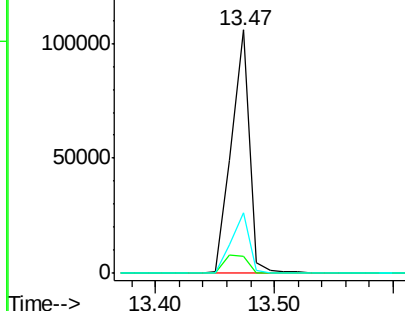
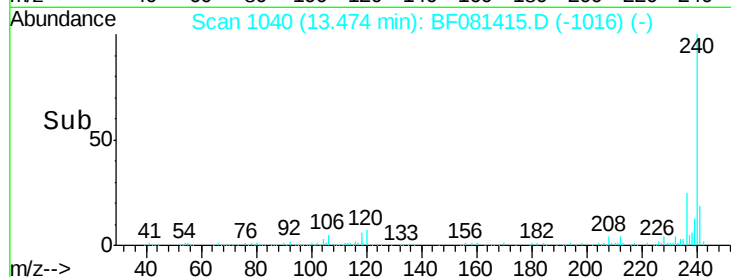
Ion	Ratio	Lower	Upper
240	100		
120	6.9	16.2	24.2#
236	25.1	18.4	27.6



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: 5.63 ng

RT: 12.28 min Scan# 936

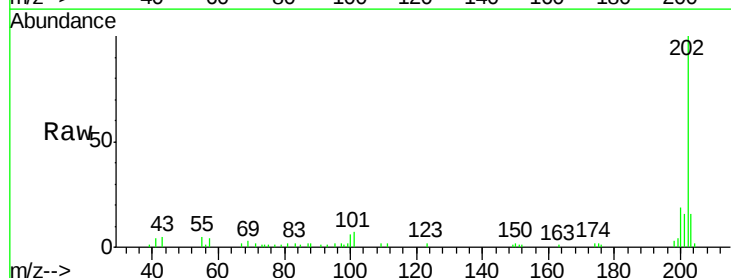
Delta R.T. -0.02 min

Lab File: BF081415.D

Acq: 4 Sep 2015 11:30

Tgt Ion:202 Resp: 46486

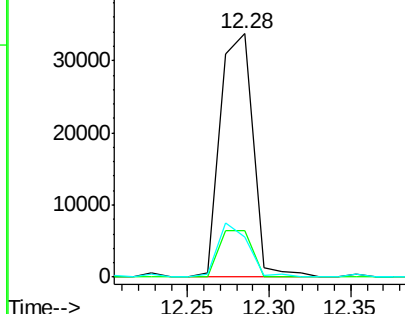
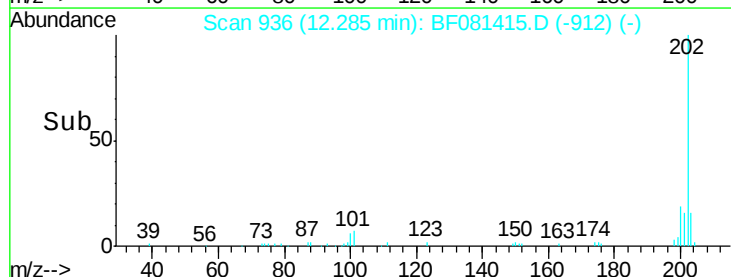
Ion	Ratio	Lower	Upper
202	100		
200	19.3	15.0	22.4
203	16.3	14.1	21.1

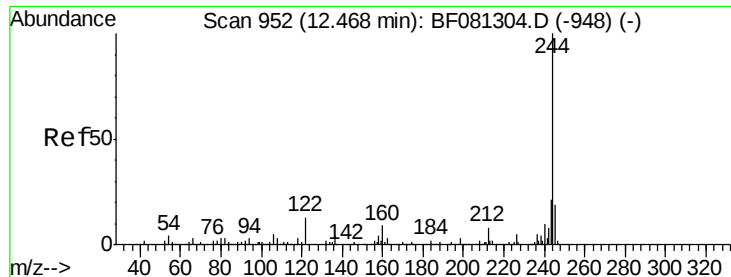


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 60.19 ng

RT: 12.44 min Scan# 950

Delta R.T. -0.02 min

Lab File: BF081415.D

Acq: 4 Sep 2015 11:30

Instrument :

BNA_F

ClientSampleId :

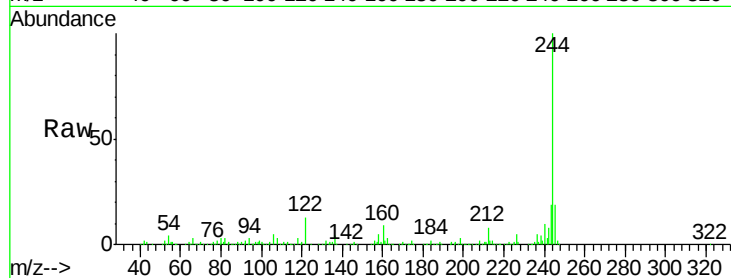
Tot Ion:244 Resp: 288141

Ion Ratio Lower Upper

244 100

212 8.1 4.3 6.5#

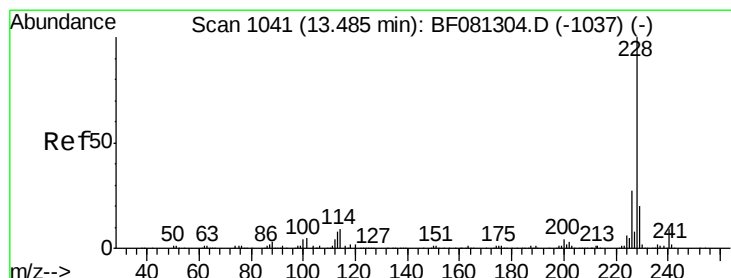
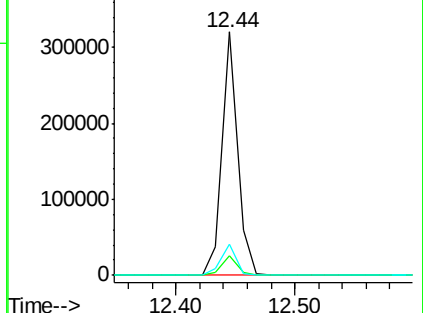
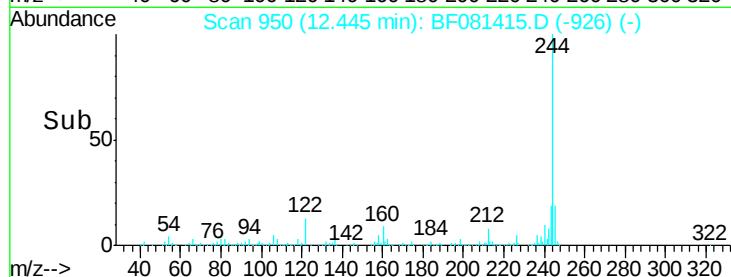
122 12.8 17.4 26.2#



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



#80

Benzo(a)anthracene

Concen: 2.93 ng

RT: 13.46 min Scan# 1039

Delta R.T. -0.02 min

Lab File: BF081415.D

Acq: 4 Sep 2015 11:30

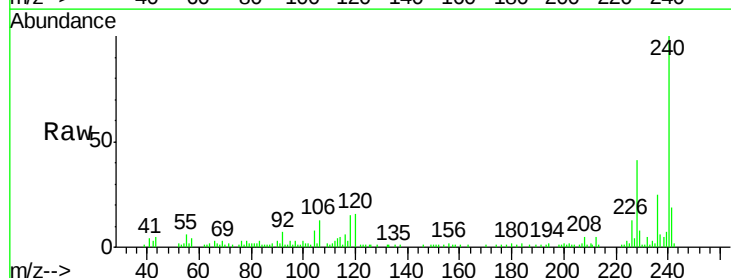
Tgt Ion:228 Resp: 20803

Ion Ratio Lower Upper

228 100

226 30.8 20.0 30.0#

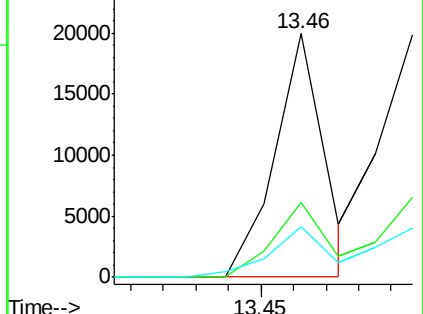
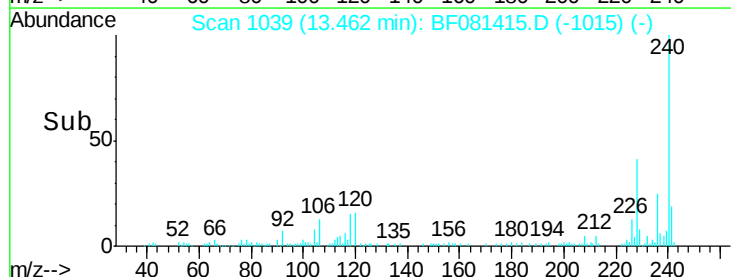
229 20.5 15.4 23.2

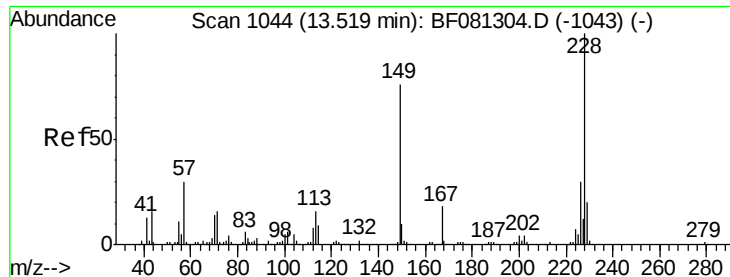


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

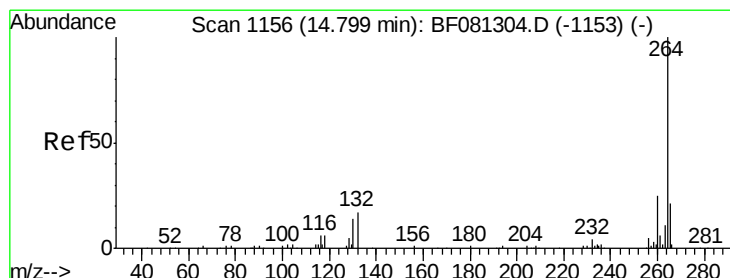
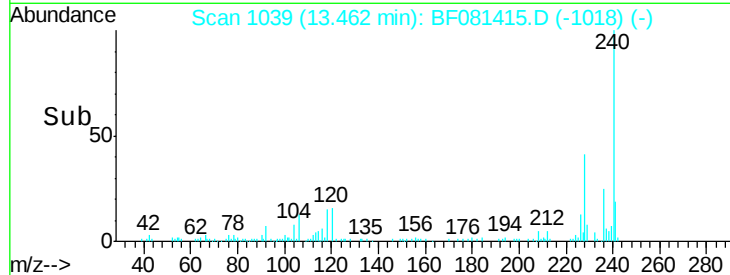
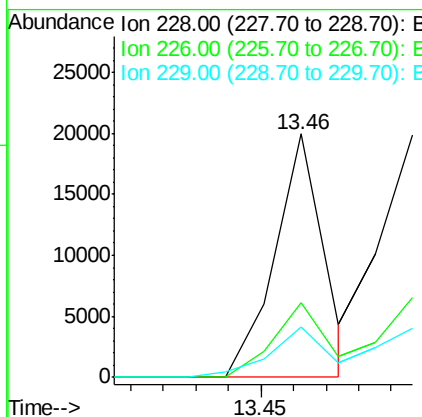
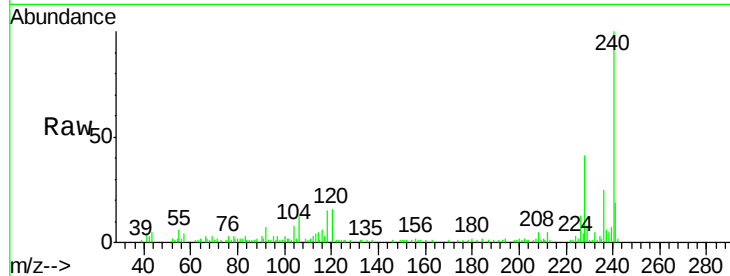




#82
 Chrysene
 Concen: 3.27 ng
 RT: 13.46 min Scan# 1039
 Delta R.T. -0.06 min
 Lab File: BF081415.D
 Acq: 4 Sep 2015 11:30

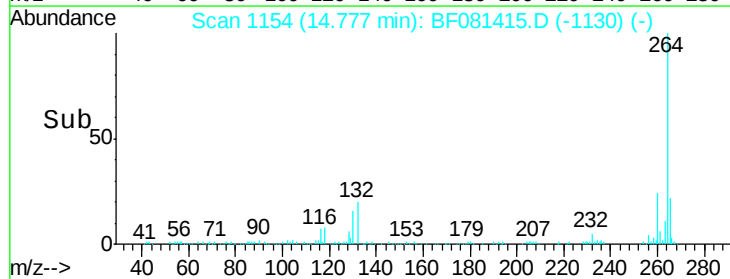
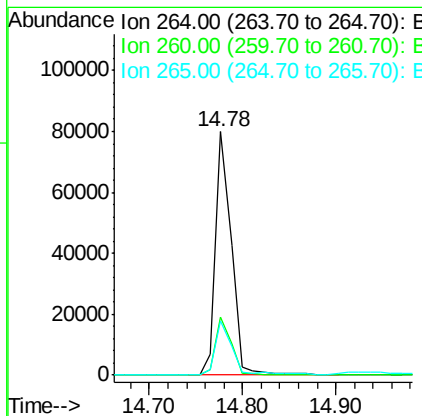
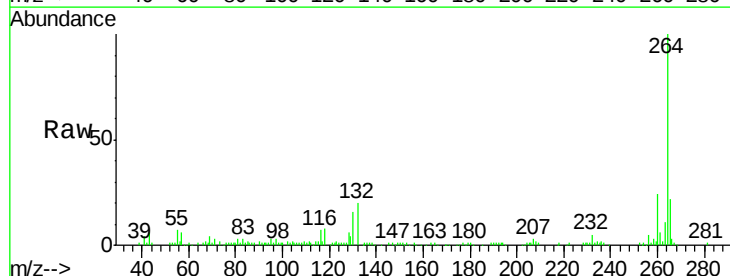
Instrument :
 BNA_F
 ClientSampleId :

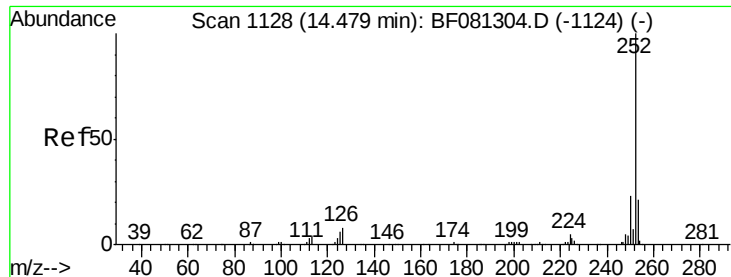
Tot Ion:228	Resp:	20803
Ion	Ratio	Lower Upper
228	100	
226	30.8	21.0 31.4
229	20.5	15.6 23.4



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 14.78 min Scan# 1154
 Delta R.T. -0.02 min
 Lab File: BF081415.D
 Acq: 4 Sep 2015 11:30

Tgt Ion:264	Resp:	93703
Ion	Ratio	Lower Upper
264	100	
260	23.6	16.7 25.1
265	22.4	17.2 25.8





#87

Benzo(b)fluoranthene

Concen: 2.15 ng

RT: 14.69 min Scan# 1146

Delta R.T. 0.21 min

Lab File: BF081415.D

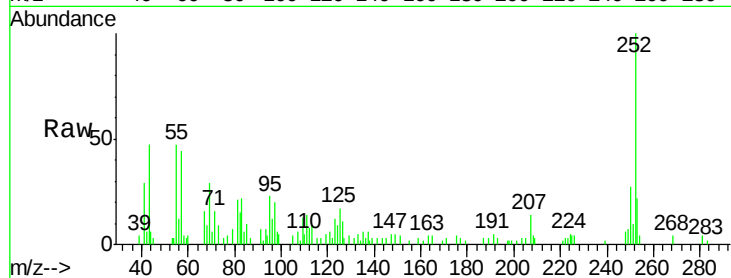
Acq: 4 Sep 2015 11:30

Instrument :

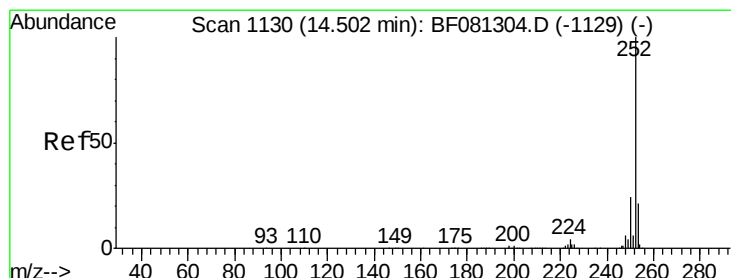
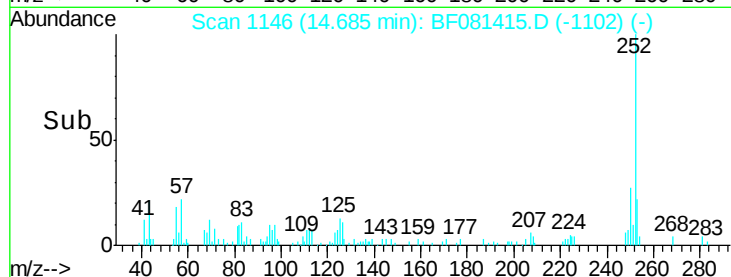
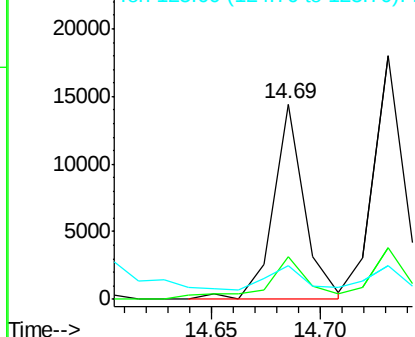
BNA_F

ClientSampled :

Tot Ion:252	Resp:	14362
Ion Ratio	Lower	Upper
252	100	
253	22.1	17.5 26.3
125	17.2	17.1 25.7



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: 2.59 ng

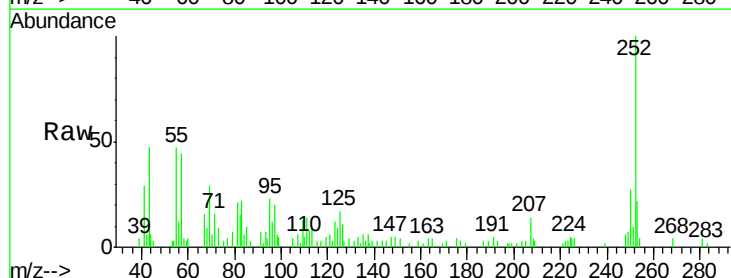
RT: 14.69 min Scan# 1146

Delta R.T. 0.18 min

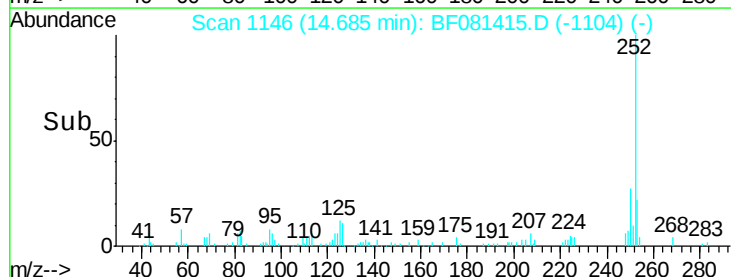
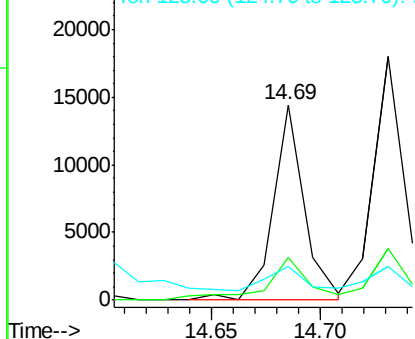
Lab File: BF081415.D

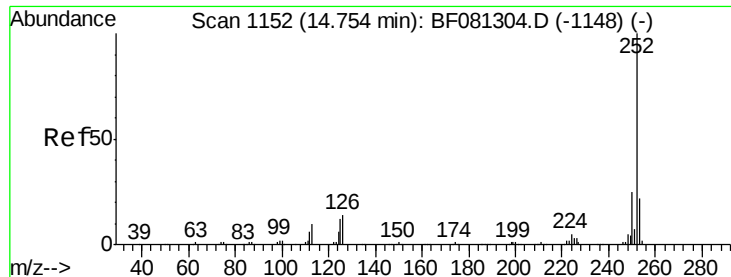
Acq: 4 Sep 2015 11:30

Tgt Ion:252	Resp:	14362
Ion Ratio	Lower	Upper
252	100	
253	22.1	17.0 25.4
125	17.2	16.0 24.0



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

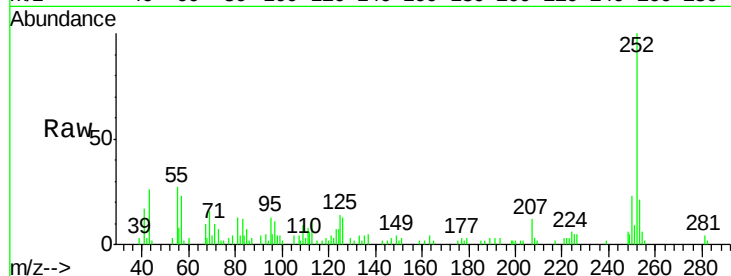




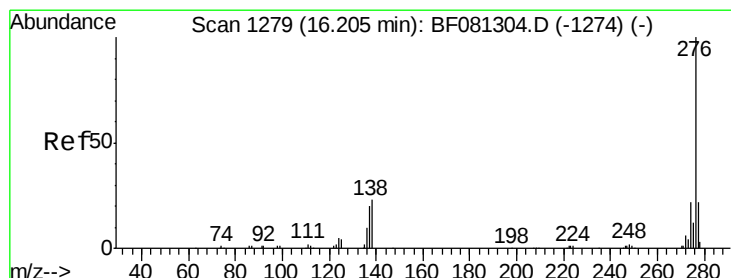
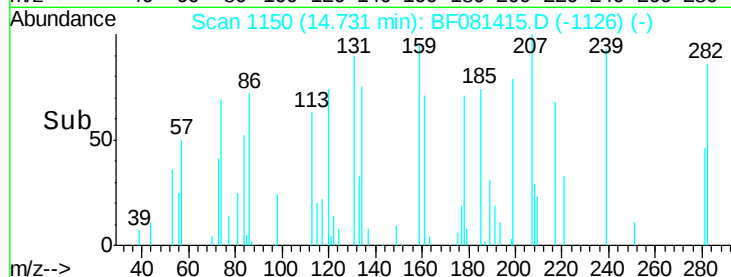
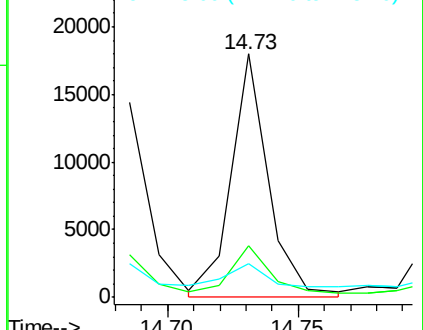
#89
Benzo(a)pyrene
Concen: 3.18 ng
RT: 14.73 min Scan# 1150
Delta R.T. -0.02 min
Lab File: BF081415.D
Acq: 4 Sep 2015 11:30

Instrument :
BNA_F
ClientSampled :

Tot Ion:252 Resp: 18021
Ion Ratio Lower Upper
252 100
253 21.4 17.2 25.8
125 13.8 18.0 27.0#

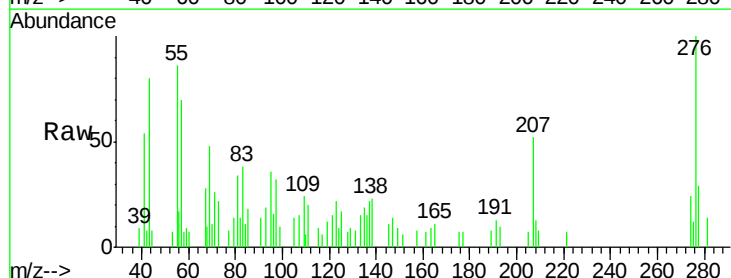


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#91
Benzo(g,h,i)perylene
Concen: 2.13 ng
RT: 16.18 min Scan# 1277
Delta R.T. -0.02 min
Lab File: BF081415.D
Acq: 4 Sep 2015 11:30

Tgt Ion:276 Resp: 8913
Ion Ratio Lower Upper
276 100
277 29.4 17.8 26.6#
138 23.2 34.6 51.8#



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 277.00 (276.70 to 277.70): E
Ion 138.00 (137.70 to 138.70): E

