

Data Path : Z:\HPCHEM1\BNA F\DATA\BF090315\
 Data File : BF081417.D
 Acq On : 4 Sep 2015 12:32
 Operator : UM/IZ
 Sample : G3491-01RE
 Misc :
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 04 13:24:03 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	52177	20.00	ng	-0.02
21) Naphthalene-d8	7.66	136	209521	20.00	ng	-0.02
38) Acenaphthene-d10	9.39	164	90141	20.00	ng	-0.02
63) Phenanthrene-d10	10.87	188	162494	20.00	ng	-0.01
75) Chrysene-d12	13.47	240	112165	20.00	ng	-0.02
86) Perylene-d12	14.78	264	88907	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	4.92	112	526907	156.68	ng	0.00
7) Phenol-d6	6.04	99	678990	152.53	ng	-0.01
23) Nitrobenzene-d5	6.95	82	437141	100.66	ng	-0.02
41) 2,4,6-Tribromophenol	10.18	330	118945	148.20	ng	-0.02
44) 2-Fluorobiphenyl	8.74	172	600475	85.37	ng	-0.02
78) Terphenyl-d14	12.45	244	393188	81.60	ng	-0.02

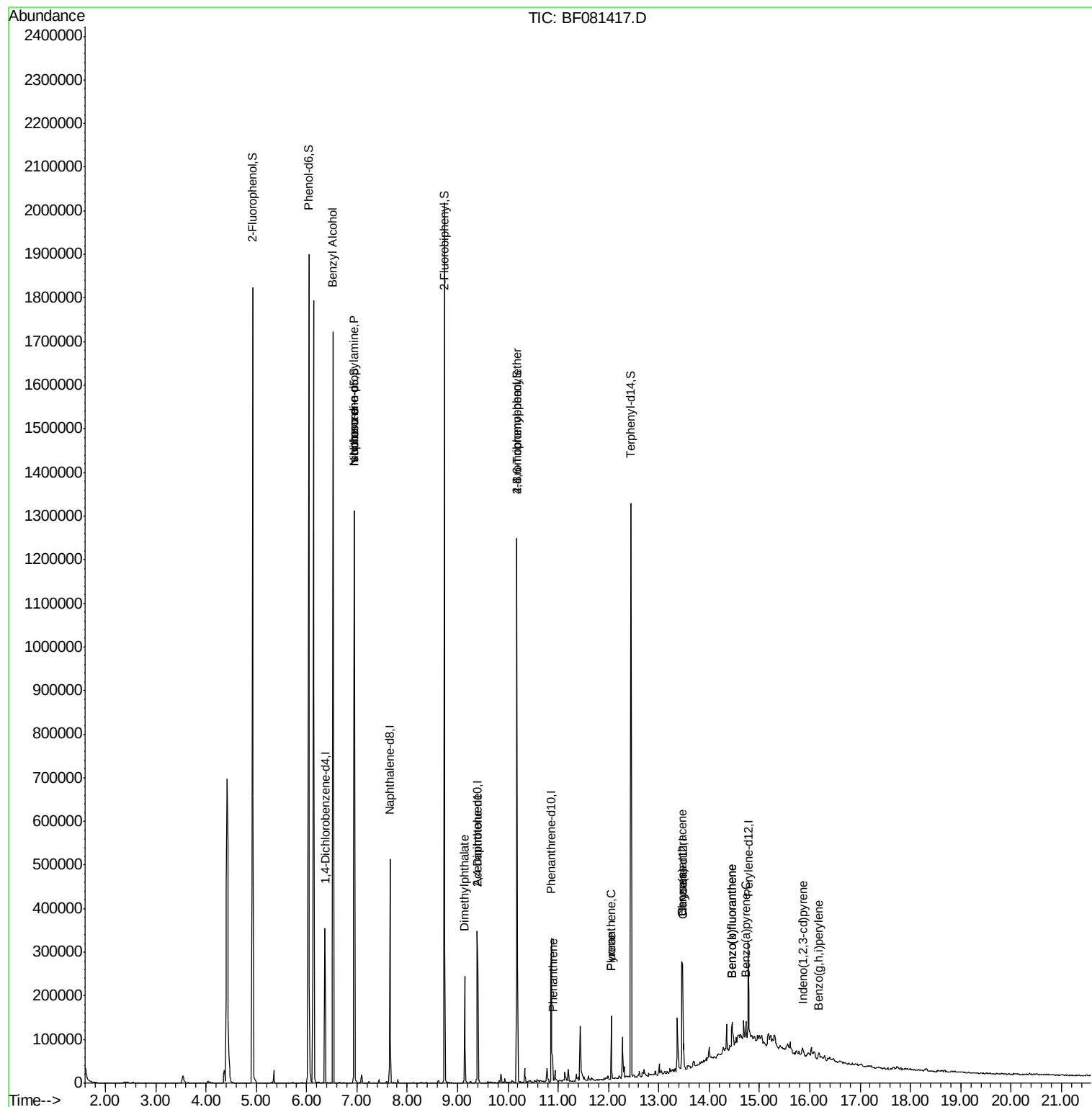
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
15) Benzyl Alcohol	6.52	79	7847	2.15	ng	# 33
19) n-Nitroso-di-n-propylamine	6.95	70	59323	19.58	ng	# 63
25) Isophorone	6.95	82	329044	40.74	ng	# 58
49) Dimethylphthalate	9.14	163	99058	14.14	ng	# 97
56) 2,4-Dinitrotoluene	9.39	165	11582	5.72	ng	# 31
66) 4-Bromophenyl-phenylether	10.18	248	8626	5.25	ng	# 1
70) Phenanthrene	10.89	178	35289	3.91	ng	97
74) Fluoranthene	12.06	202	59187	6.05	ng	89
77) Pyrene	12.06	202	59187	7.12	ng	99
80) Benzo(a)anthracene	13.46	228	29426	4.12	ng	# 92
82) Chrysene	13.46	228	29426	4.60	ng	93
85) Indeno(1,2,3-cd)pyrene	15.86	276	9786	2.08	ng	# 87
87) Benzo(b)fluoranthene	14.46	252	33919	5.34	ng	# 87
88) Benzo(k)fluoranthene	14.46	252	33919	6.44	ng	# 88
89) Benzo(a)pyrene	14.73	252	16375	3.04	ng	# 87
91) Benzo(g,h,i)perylene	16.17	276	8262	2.08	ng	# 79

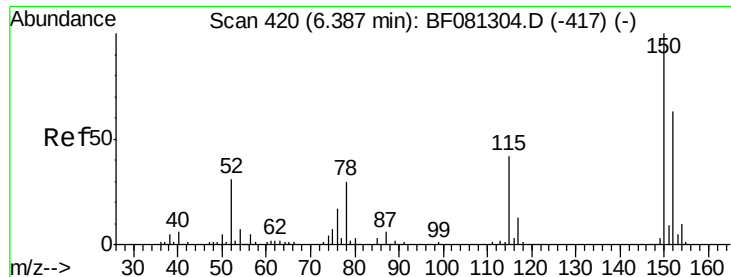
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA F\DATA\BF090315\
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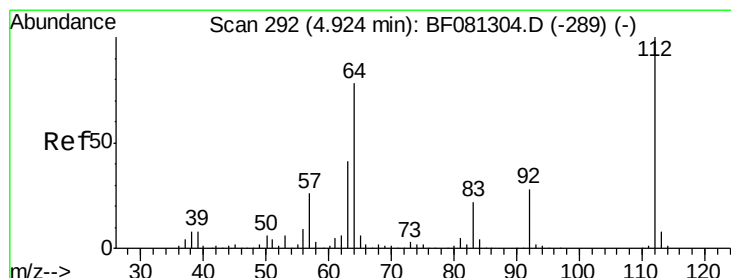
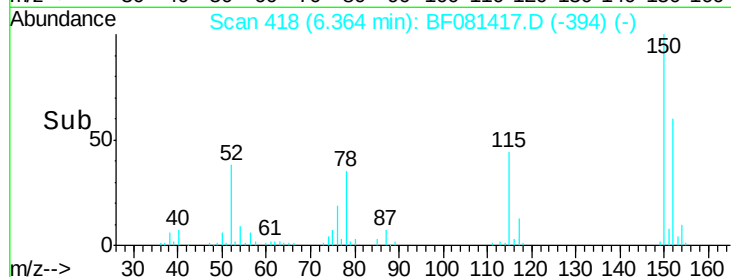
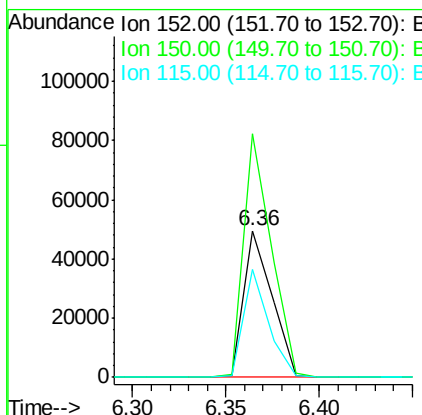
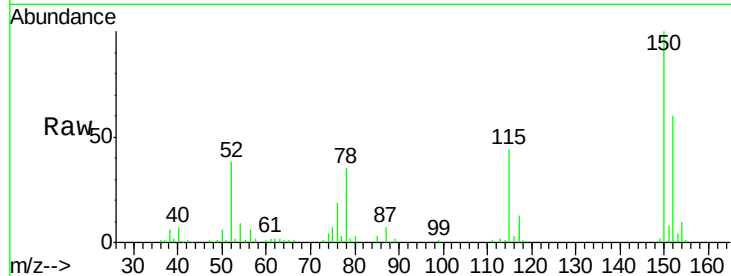


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.36 min Scan# 418
Delta R.T. -0.02 min
Lab File: BF081417.D
Acq: 4 Sep 2015 12:32

Instrument :
BNA_F
ClientSampled :

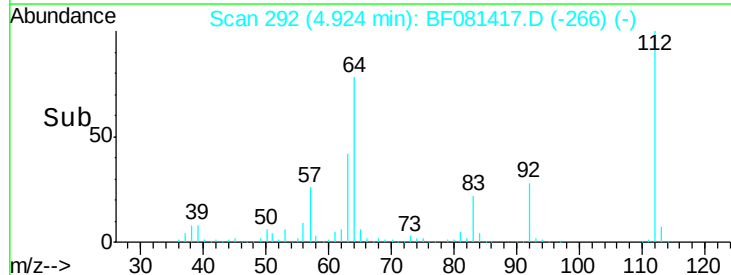
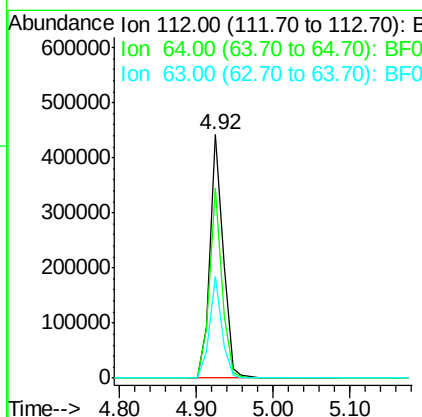
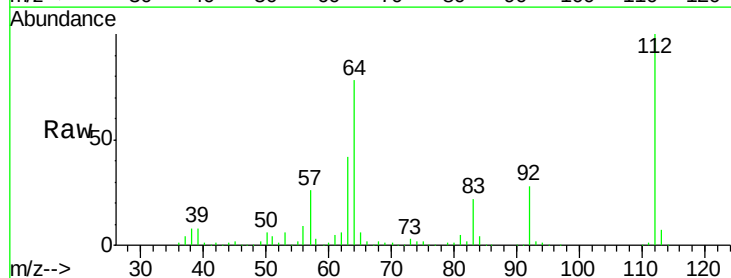
Tot Ion:152 Resp: 52177
Ion Ratio Lower Upper
152 100
150 166.1 124.7 187.1
115 73.4 39.0 58.4#

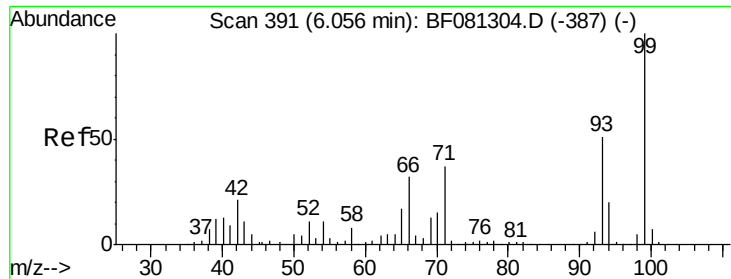


#5

2-Fluorophenol
Concen: 156.68 ng
RT: 4.92 min Scan# 292
Delta R.T. 0.00 min
Lab File: BF081417.D
Acq: 4 Sep 2015 12:32

Tgt Ion:112 Resp: 526907
Ion Ratio Lower Upper
112 100
64 78.1 39.7 59.5#
63 41.6 17.4 26.0#





#7

Phenol-d6

Concen: 152.53 ng

RT: 6.04 min Scan# 390

Delta R.T. -0.01 min

Lab File: BF081417.D

Acq: 4 Sep 2015 12:32

Instrument :

BNA_F

ClientSampleId :

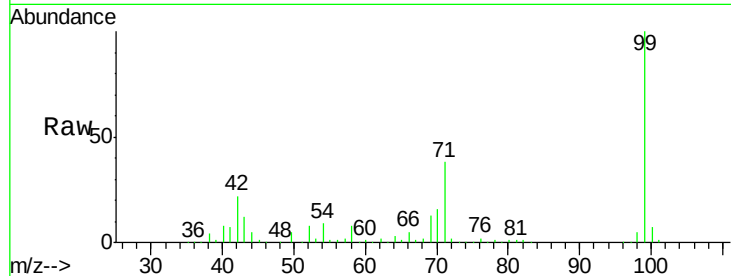
Tot Ion: 99 Resp: 678990

Ion Ratio Lower Upper

99 100

42 22.1 13.7 20.5#

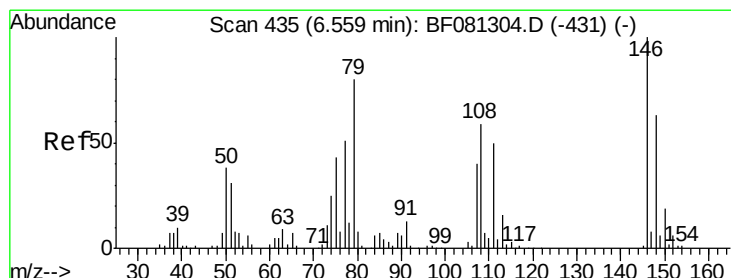
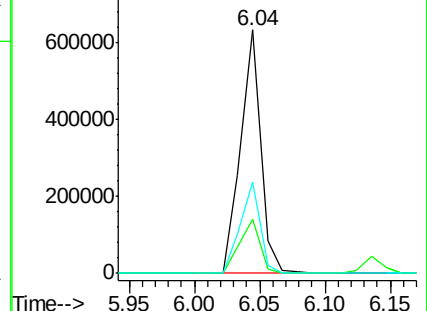
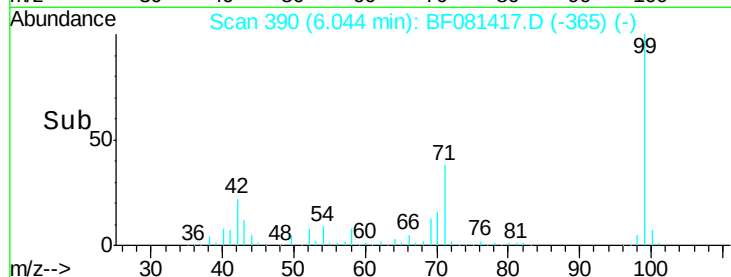
71 37.5 14.2 21.2#



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



#15

Benzyl Alcohol

Concen: 2.15 ng

RT: 6.52 min Scan# 432

Delta R.T. -0.03 min

Lab File: BF081417.D

Acq: 4 Sep 2015 12:32

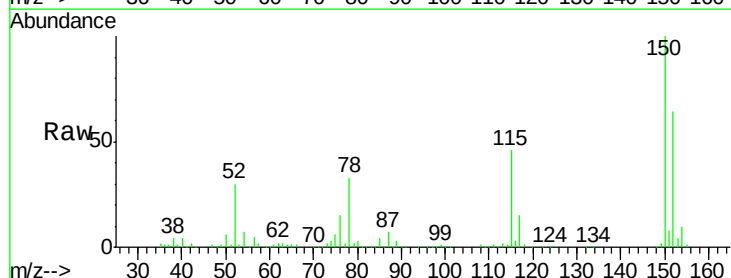
Tgt Ion: 79 Resp: 7847

Ion Ratio Lower Upper

79 100

108 24.8 88.6 132.8#

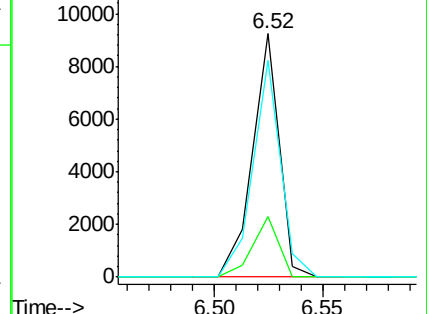
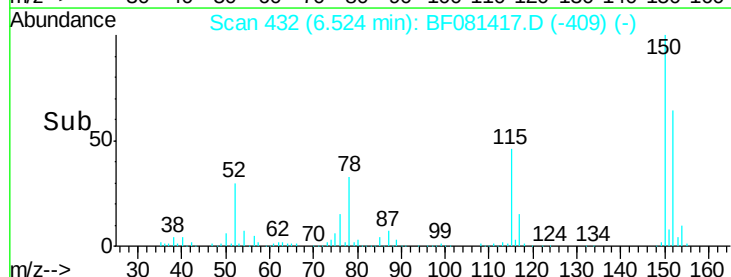
77 89.0 47.0 70.4#

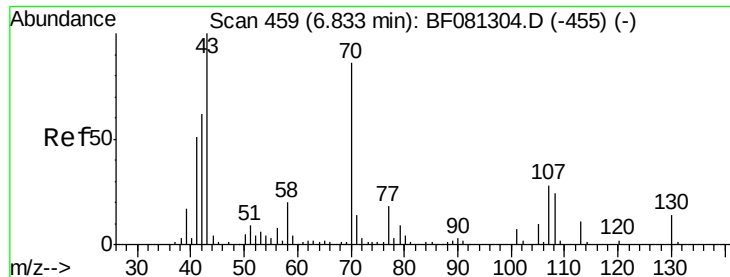


Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0





#19

n-Nitroso-di-n-propylamine

Concen: 19.58 ng

RT: 6.95 min Scan# 469

Delta R.T. 0.11 min

Lab File: BF081417.D

Acq: 4 Sep 2015 12:32

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 70 Resp: 59323

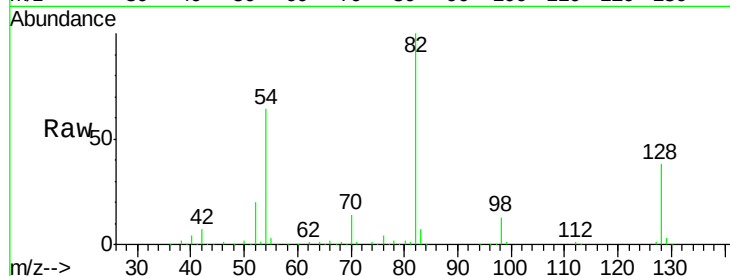
Ion Ratio Lower Upper

70 100

42 53.2 63.8 95.6#

101 0.0 9.2 13.8#

130 2.0 27.3 40.9#

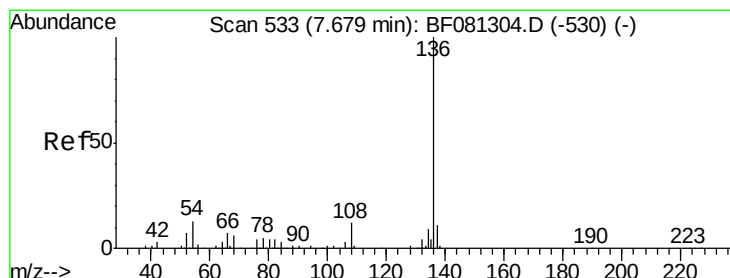
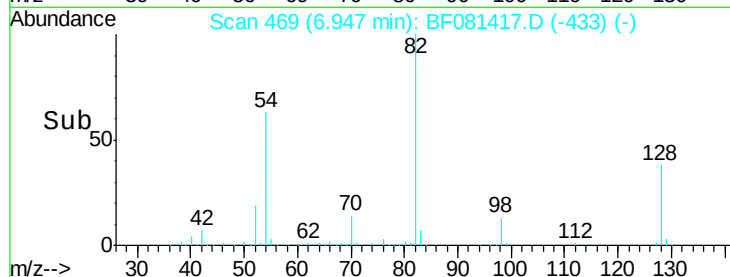
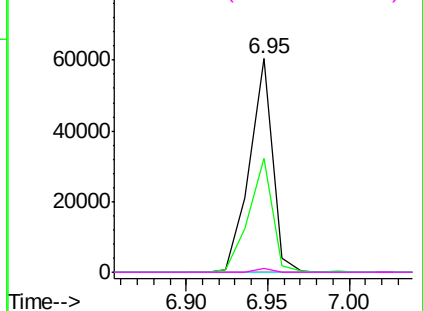


Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.66 min Scan# 531

Delta R.T. -0.02 min

Lab File: BF081417.D

Acq: 4 Sep 2015 12:32

Tgt Ion: 136 Resp: 209521

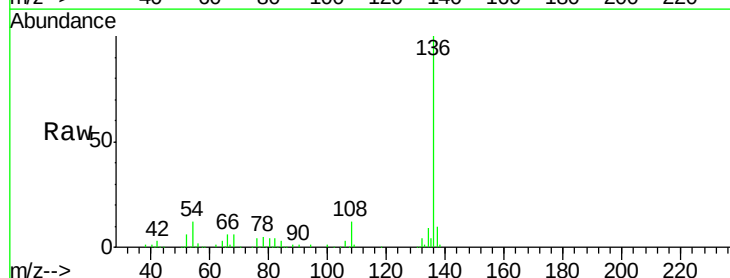
Ion Ratio Lower Upper

136 100

137 10.5 9.0 13.6

54 12.4 8.2 12.2#

68 5.9 5.8 8.6

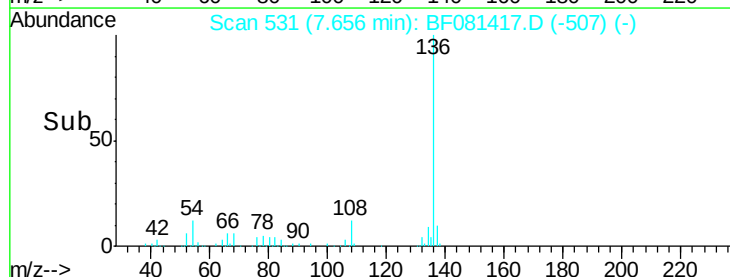
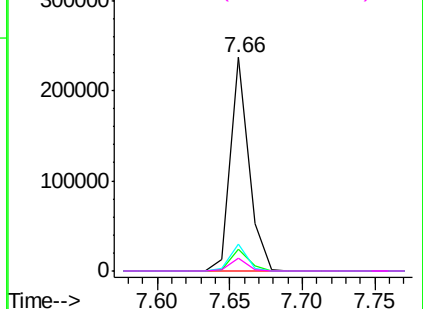


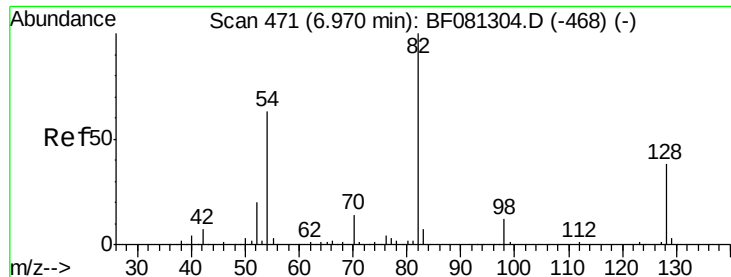
Abundance Ion 136.00 (135.70 to 136.70): E

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

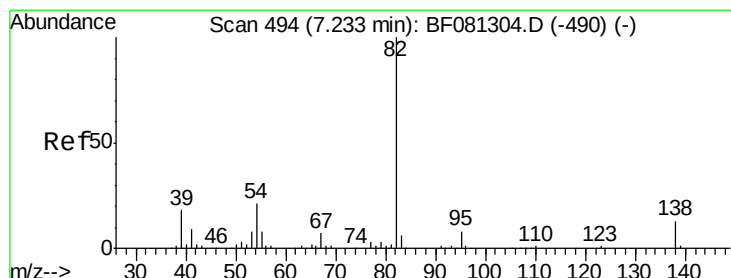
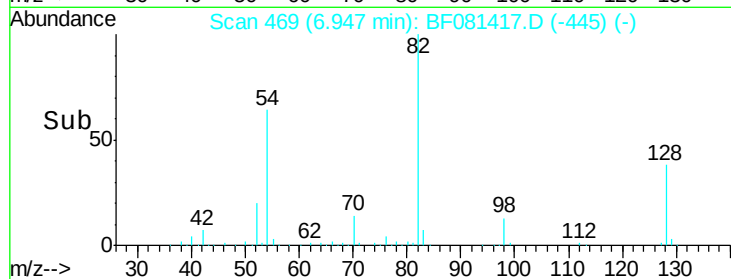
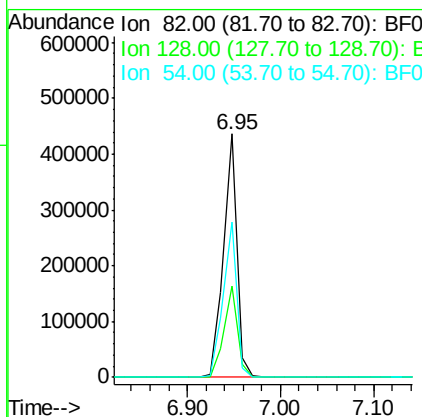
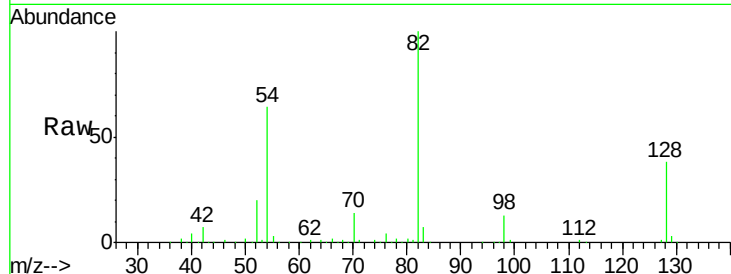




#23
 Nitrobenzene-d5
 Concen: 100.66 ng
 RT: 6.95 min Scan# 469
 Delta R.T. -0.02 min
 Lab File: BF081417.D
 Acq: 4 Sep 2015 12:32

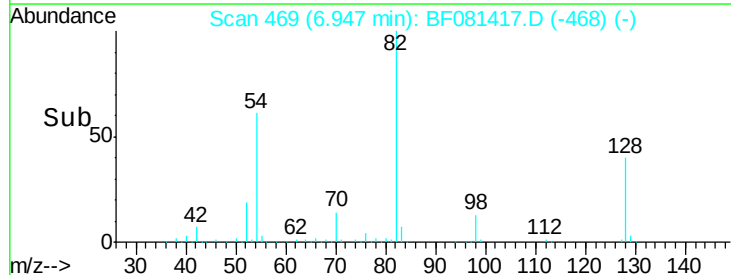
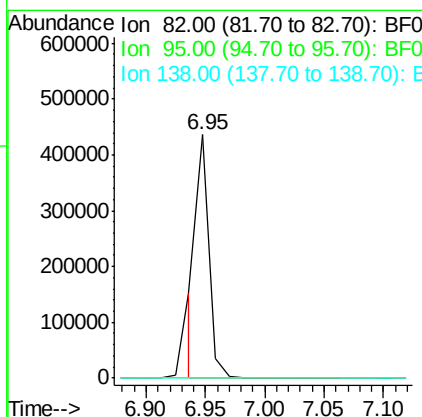
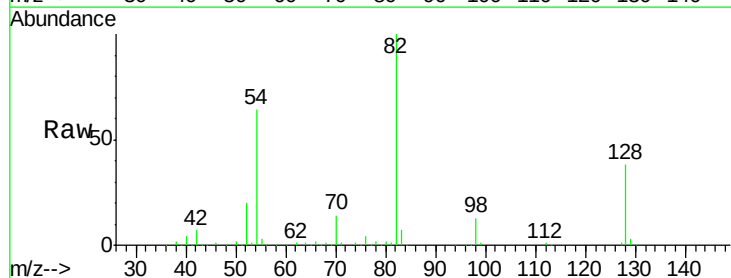
Instrument :
 BNA_F
 ClientSampleId :

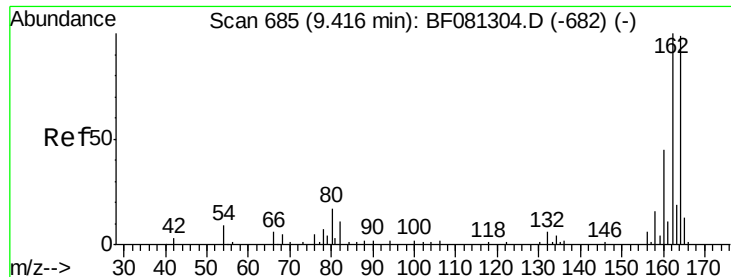
Tot Ion: 82 Resp: 437141
 Ion Ratio Lower Upper
 82 100
 128 37.7 51.0 76.6#
 54 63.8 47.5 71.3



#25
 Isophorone
 Concen: 40.74 ng
 RT: 6.95 min Scan# 469
 Delta R.T. -0.29 min
 Lab File: BF081417.D
 Acq: 4 Sep 2015 12:32

Tgt Ion: 82 Resp: 329044
 Ion Ratio Lower Upper
 82 100
 95 0.0 4.0 6.0#
 138 0.0 18.3 27.5#





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.39 min Scan# 683

Delta R.T. -0.02 min

Lab File: BF081417.D

Acq: 4 Sep 2015 12:32

Instrument :

BNA_F

ClientSampled :

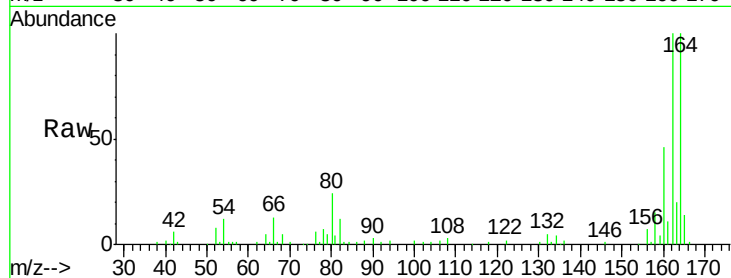
Tot Ion:164 Resp: 90141

Ion Ratio Lower Upper

164 100

162 100.0 75.2 112.8

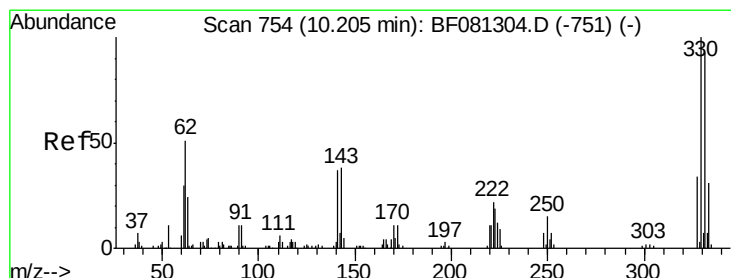
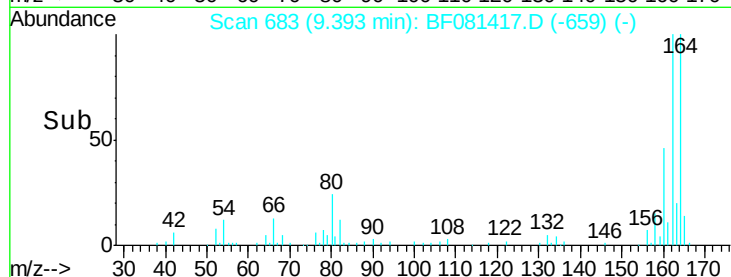
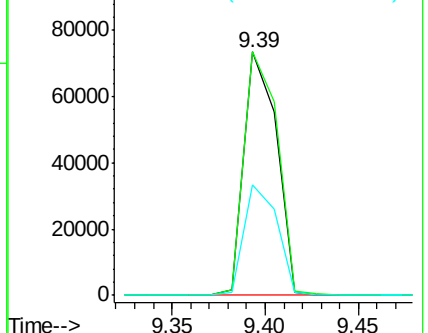
160 45.6 31.5 47.3



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: 148.20 ng

RT: 10.18 min Scan# 752

Delta R.T. -0.02 min

Lab File: BF081417.D

Acq: 4 Sep 2015 12:32

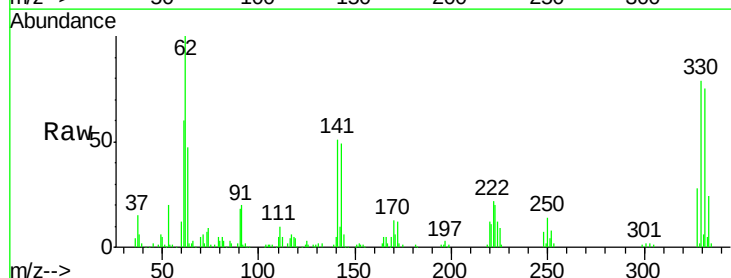
Tgt Ion:330 Resp: 118945

Ion Ratio Lower Upper

330 100

332 98.1 76.6 114.8

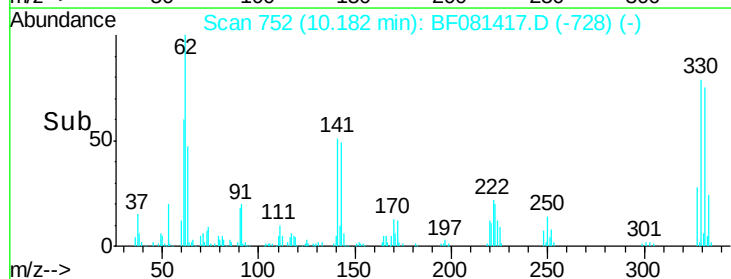
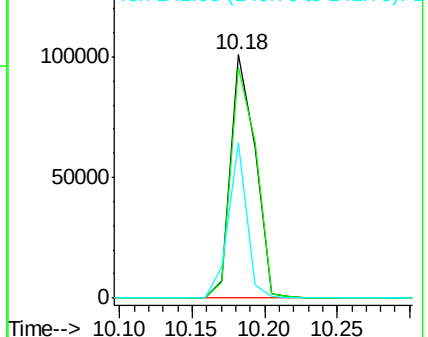
141 48.2 29.7 44.5#

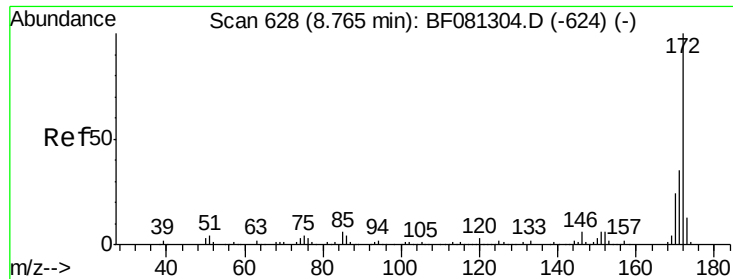


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

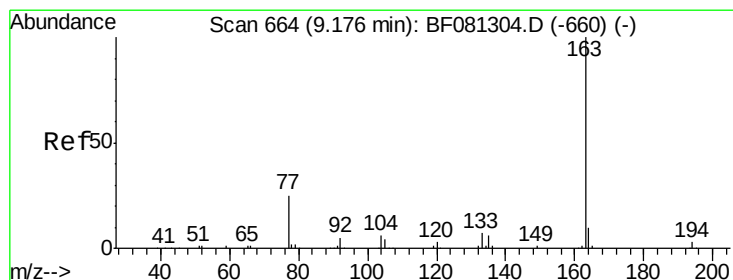
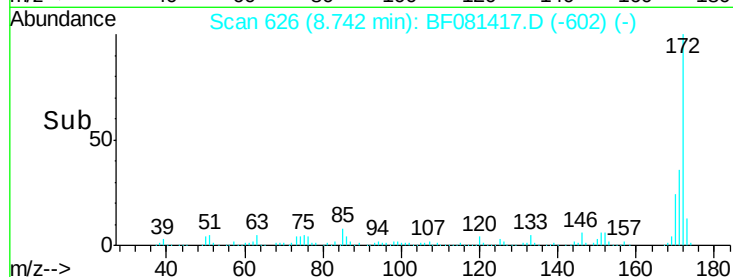
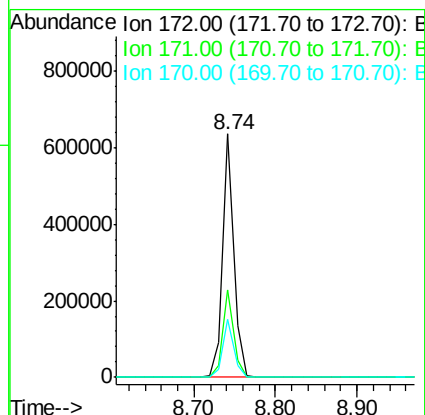
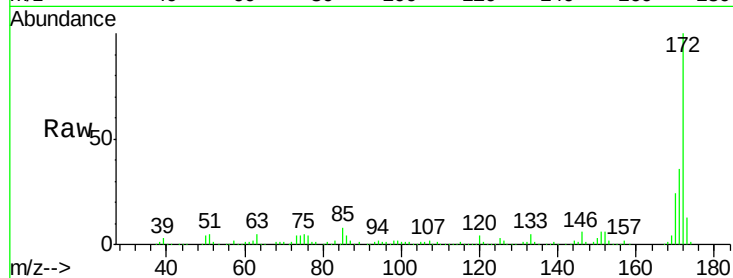




#44
2-Fluorobiphenyl
Concen: 85.37 ng
RT: 8.74 min Scan# 626
Delta R.T. -0.02 min
Lab File: BF081417.D
Acq: 4 Sep 2015 12:32

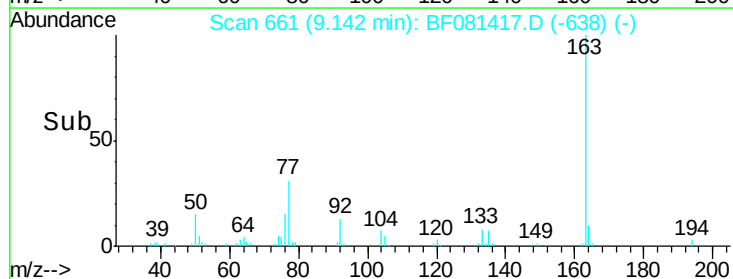
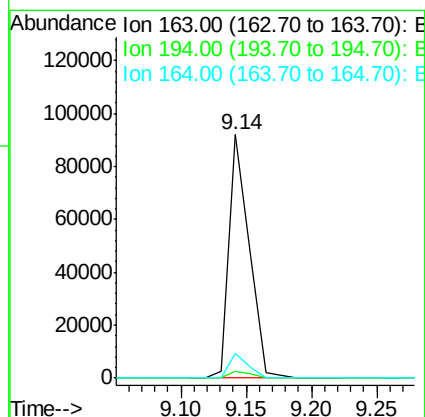
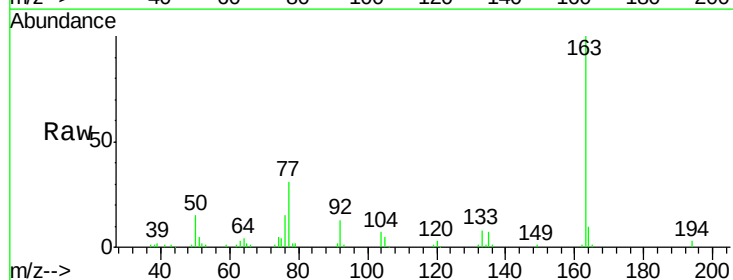
Instrument :
BNA_F
ClientSampleId :

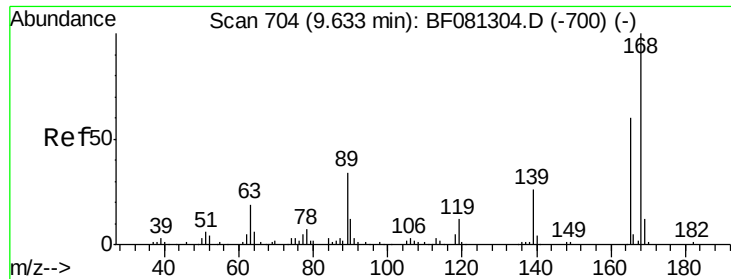
Tot Ion:172 Resp: 600475
Ion Ratio Lower Upper
172 100
171 35.9 26.1 39.1
170 23.7 17.4 26.2



#49
Dimethylphthalate
Concen: 14.14 ng
RT: 9.14 min Scan# 661
Delta R.T. -0.03 min
Lab File: BF081417.D
Acq: 4 Sep 2015 12:32

Tgt Ion:163 Resp: 99058
Ion Ratio Lower Upper
163 100
194 2.6 4.4 6.6#
164 10.4 8.3 12.5

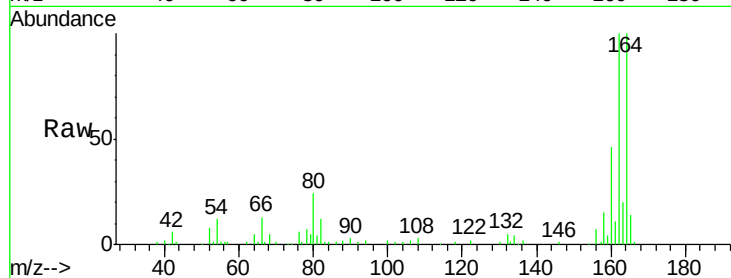




#56
 2,4-Dinitrotoluene
 Concen: 5.72 ng
 RT: 9.39 min Scan# 683
 Delta R.T. -0.24 min
 Lab File: BF081417.D
 Acq: 4 Sep 2015 12:32

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:	165	Resp:	11582
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#

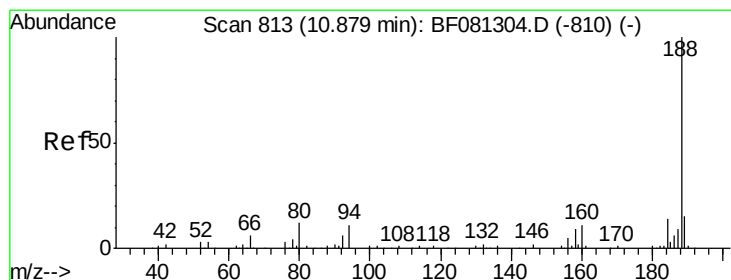
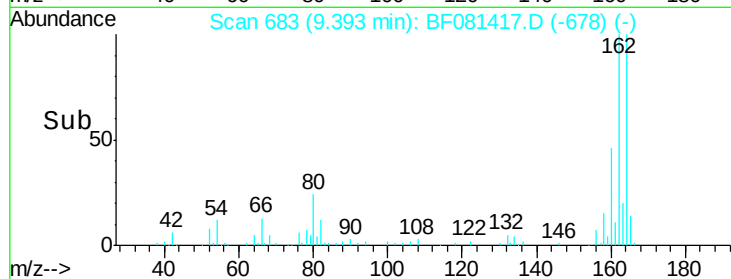
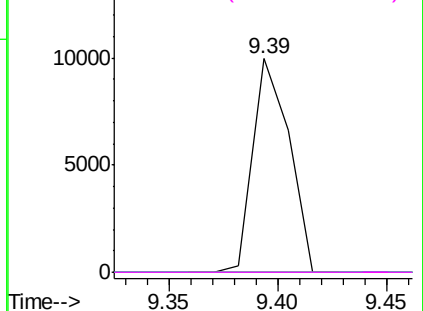


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

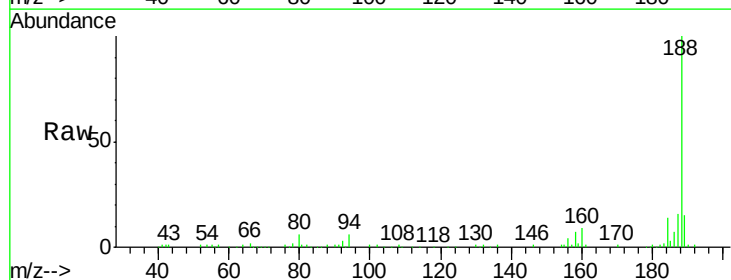
Ion 89.00 (88.70 to 89.70): BF0

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: BF081417.D
 Acq: 4 Sep 2015 12:32

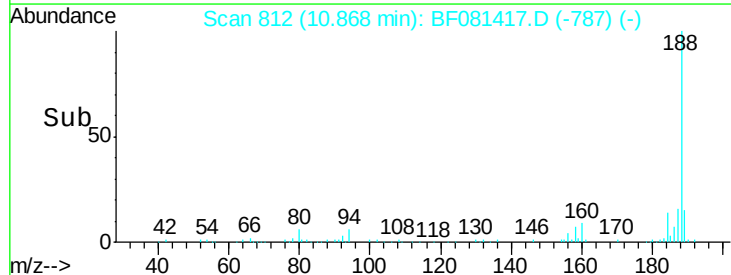
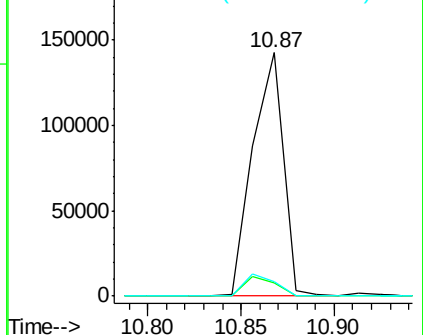
Tgt Ion:	188	Resp:	162494
Ion	Ratio	Lower	Upper
188	100		
94	5.6	11.1	16.7#
80	5.7	11.0	16.4#

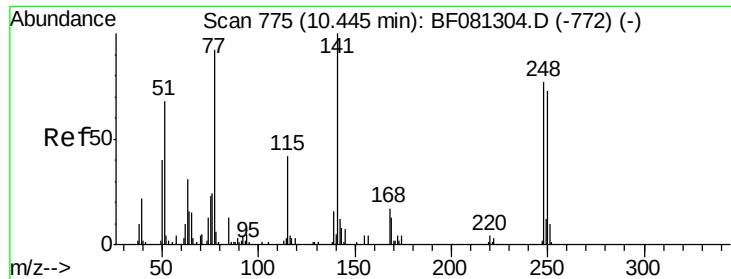


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

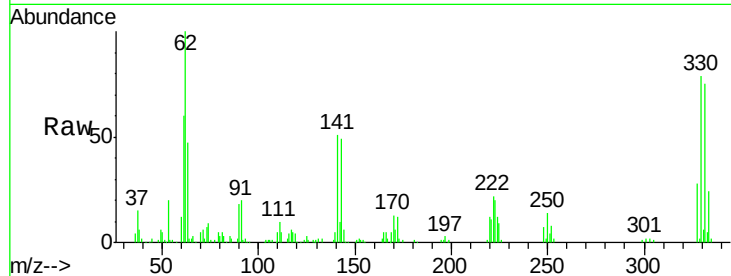




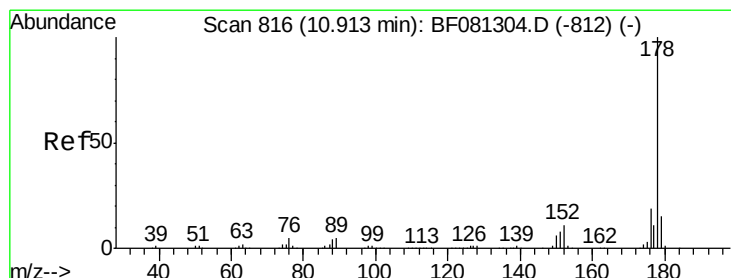
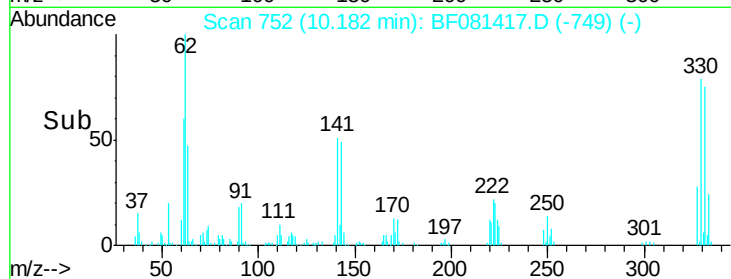
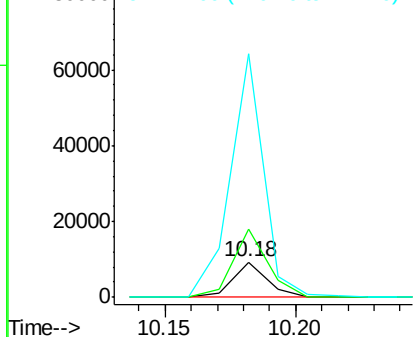
#66
4-Bromophenyl-phenylether
Concen: 5.25 ng
RT: 10.18 min Scan# 752
Delta R.T. -0.26 min
Lab File: BF081417.D
Acq: 4 Sep 2015 12:32

Instrument :
BNA_F
ClientSampled :

Tot Ion:248 Resp: 8626
Ion Ratio Lower Upper
248 100
250 194.6 78.5 117.7#
141 694.3 59.0 88.6#

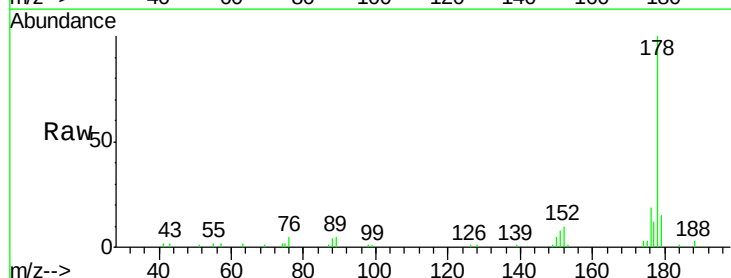


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

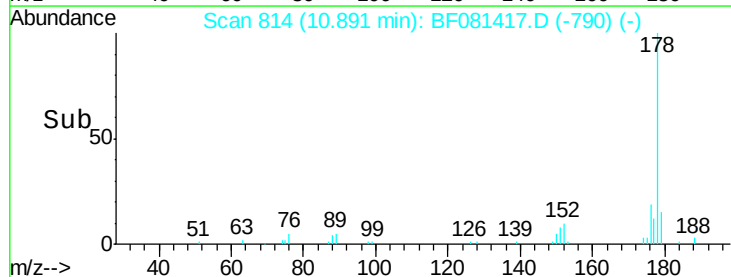
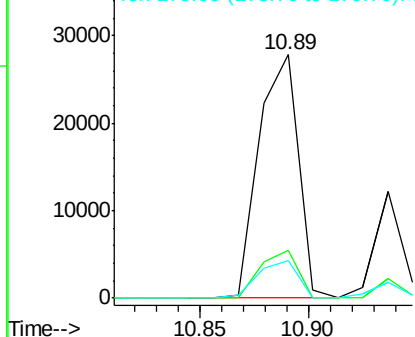


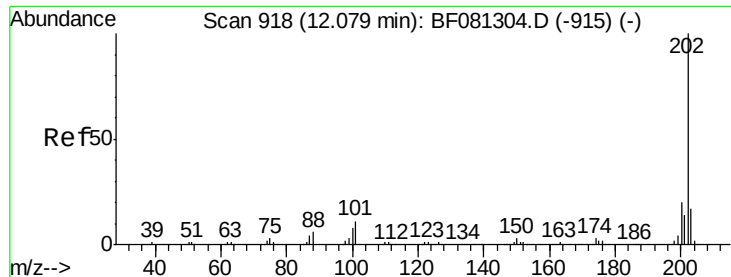
#70
Phenanthrene
Concen: 3.91 ng
RT: 10.89 min Scan# 814
Delta R.T. -0.02 min
Lab File: BF081417.D
Acq: 4 Sep 2015 12:32

Tgt Ion:178 Resp: 35289
Ion Ratio Lower Upper
178 100
176 19.5 13.8 20.8
179 15.4 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

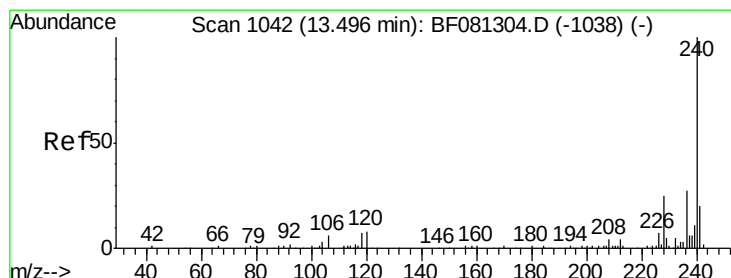
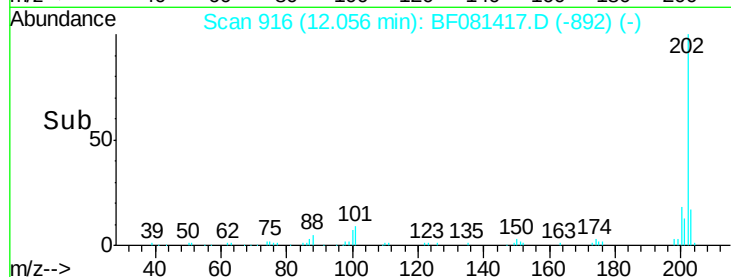
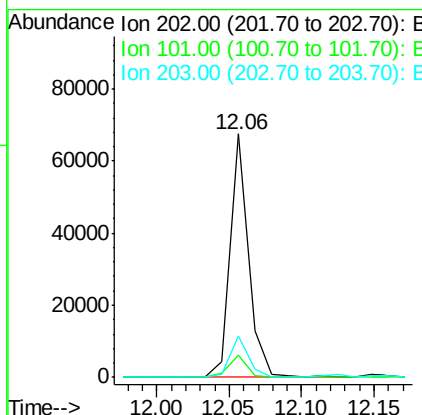
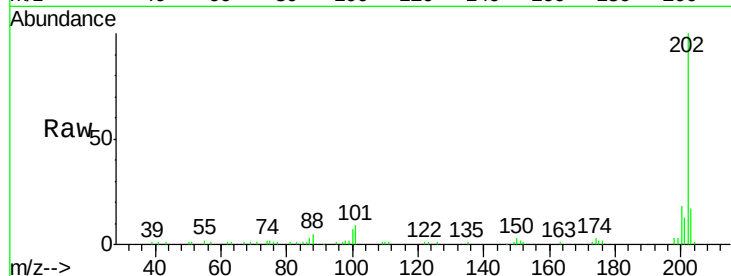




#74
 Fluoranthene
 Concen: 6.05 ng
 RT: 12.06 min Scan# 916
 Delta R.T. -0.02 min
 Lab File: BF081417.D
 Acq: 4 Sep 2015 12:32

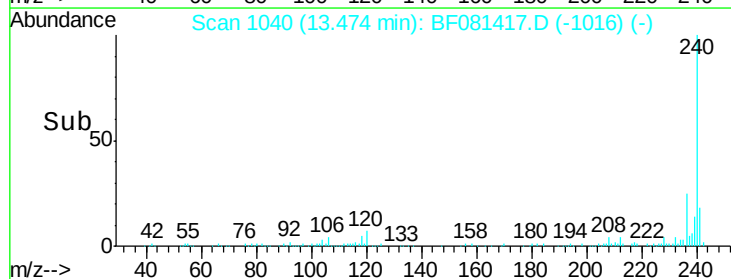
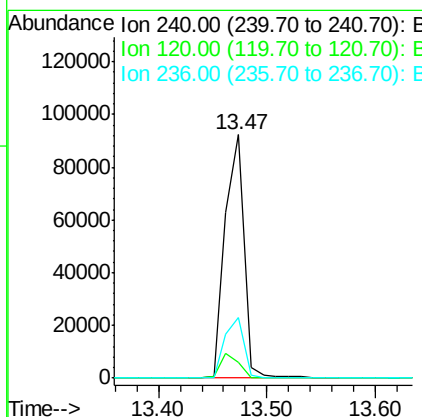
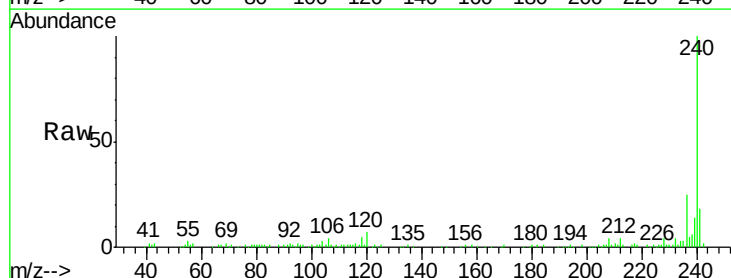
Instrument :
 BNA_F
 ClientSampleId :

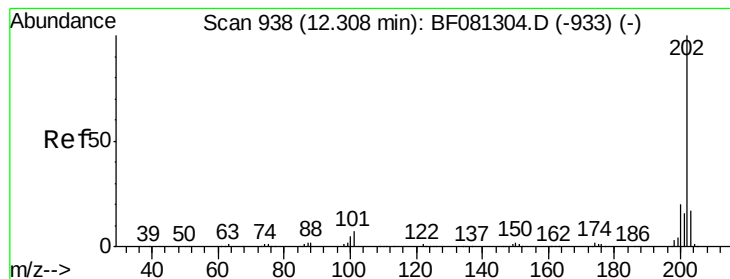
Tot Ion	Ratio	Lower	Upper
202	100		
101	9.3	0.0	38.3
203	16.7	0.0	37.3



#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 13.47 min Scan# 1040
 Delta R.T. -0.02 min
 Lab File: BF081417.D
 Acq: 4 Sep 2015 12:32

Tgt Ion	Ratio	Lower	Upper
240	100		
120	6.7	16.2	24.2#
236	25.1	18.4	27.6





#77

Pvrene

Concen: 7.12 ng

RT: 12.06 min Scan# 916

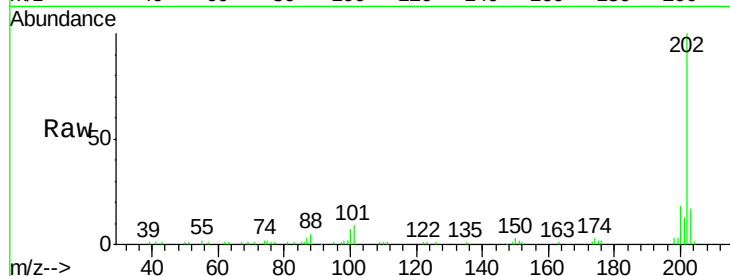
Delta R.T. -0.25 min

Lab File: BF081417.D

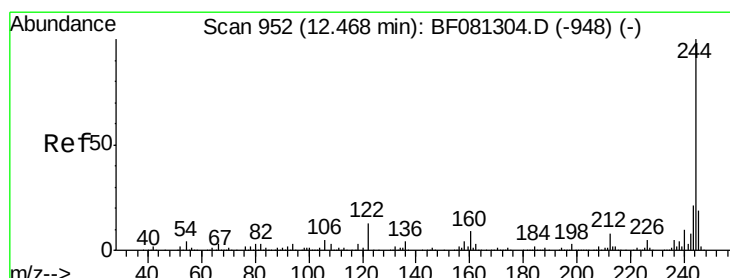
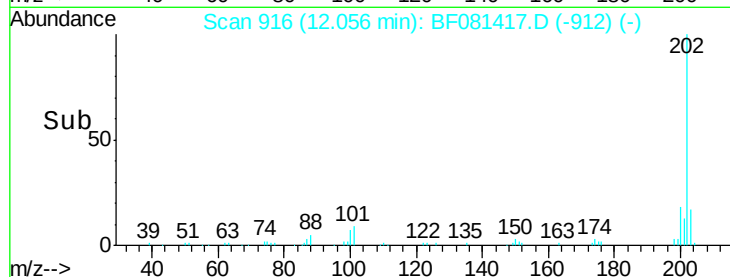
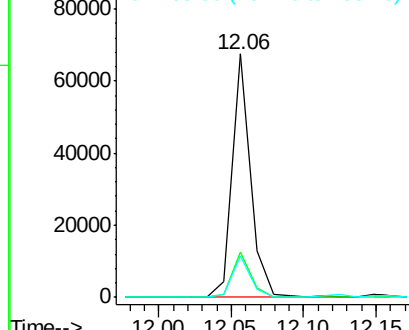
Acq: 4 Sep 2015 12:32

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	202	Resp:	59187
Ion	Ratio	Lower	Upper
202	100		
200	18.4	15.0	22.4
203	16.7	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: 81.60 ng

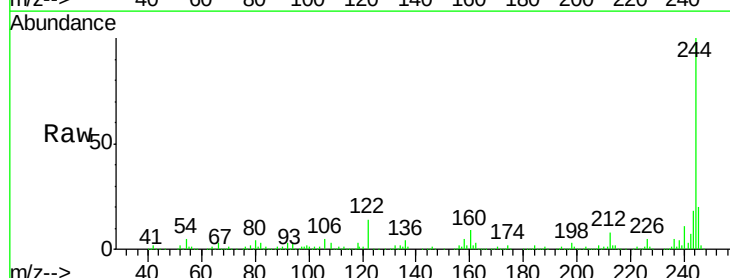
RT: 12.45 min Scan# 950

Delta R.T. -0.02 min

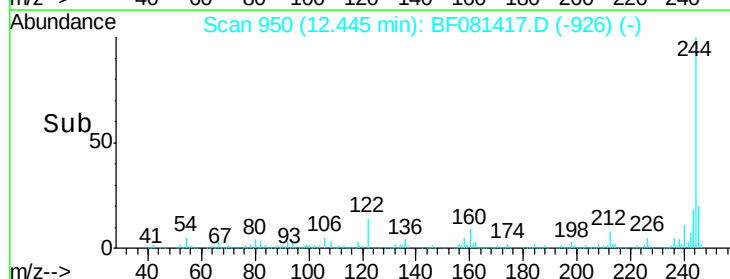
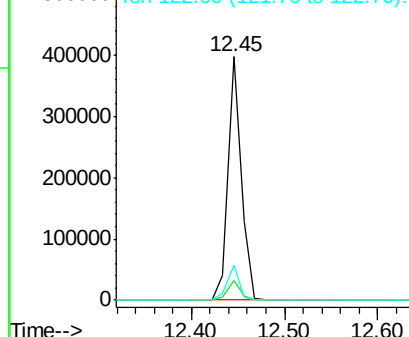
Lab File: BF081417.D

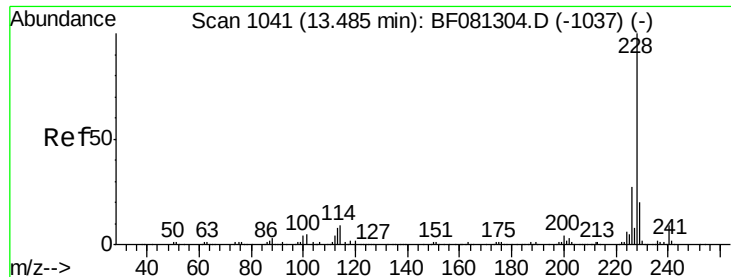
Acq: 4 Sep 2015 12:32

Tgt Ion:	244	Resp:	393188
Ion	Ratio	Lower	Upper
244	100		
212	8.3	4.3	6.5#
122	14.1	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: 4.12 ng

RT: 13.46 min Scan# 1039

Delta R.T. -0.02 min

Lab File: BF081417.D

Acq: 4 Sep 2015 12:32

Instrument :

BNA_F

ClientSampleId :

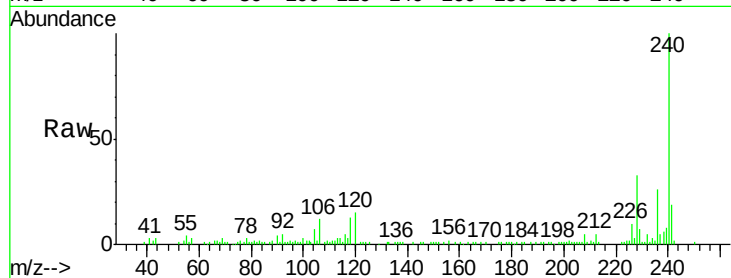
Tot Ion:228 Resp: 29426

Ion Ratio Lower Upper

228 100

226 30.5 20.0 30.0#

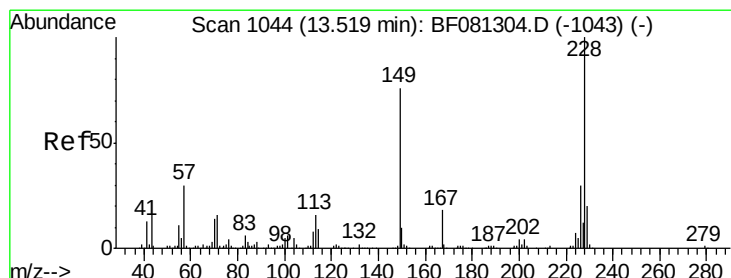
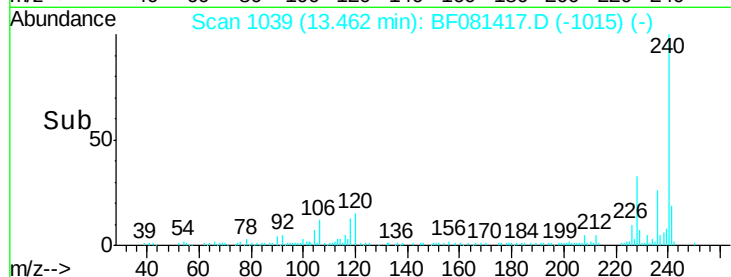
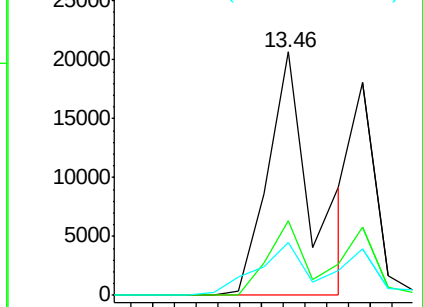
229 21.6 15.4 23.2



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: 4.60 ng

RT: 13.46 min Scan# 1039

Delta R.T. -0.06 min

Lab File: BF081417.D

Acq: 4 Sep 2015 12:32

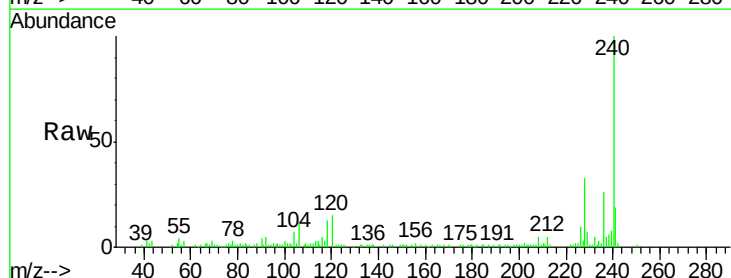
Tgt Ion:228 Resp: 29426

Ion Ratio Lower Upper

228 100

226 30.5 21.0 31.4

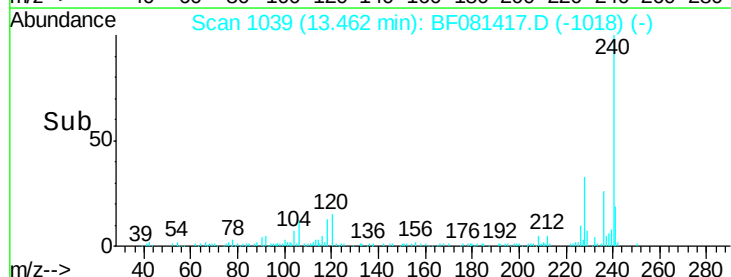
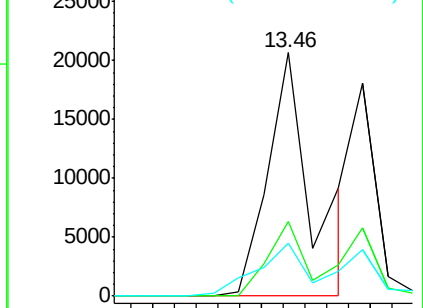
229 21.6 15.6 23.4

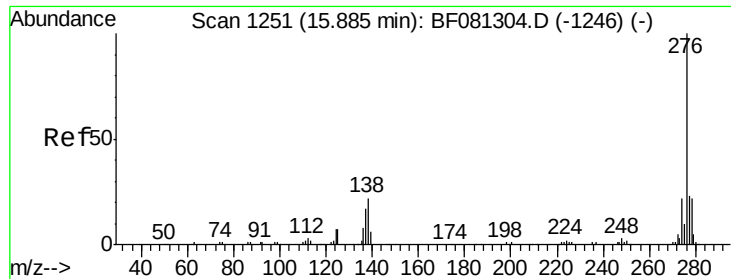


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

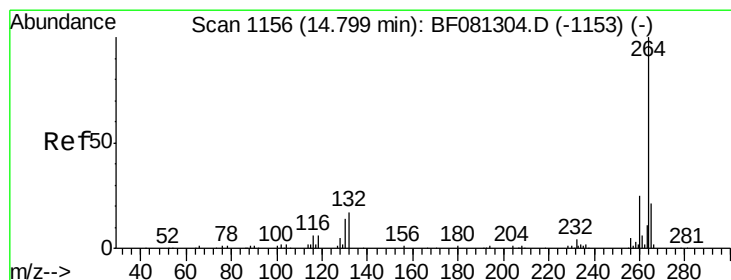
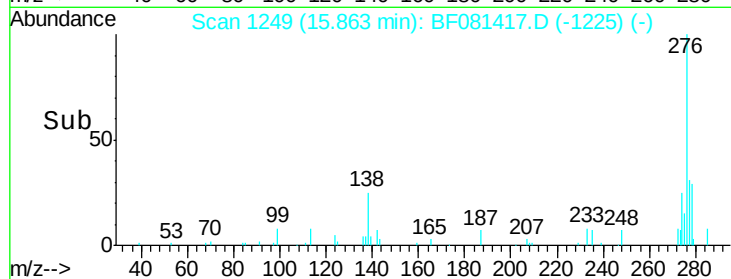
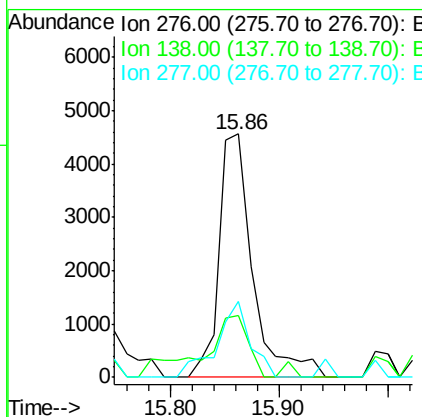
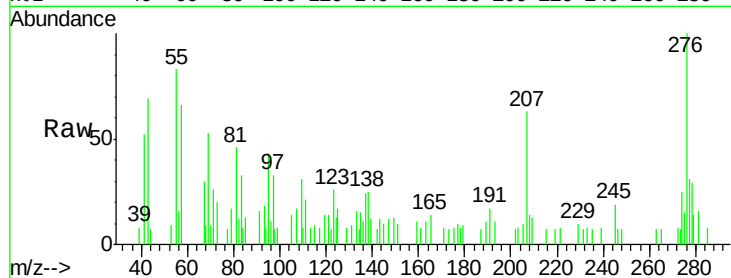




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 2.08 ng
 RT: 15.86 min Scan# 1249
 Delta R.T. -0.02 min
 Lab File: BF081417.D
 Acq: 4 Sep 2015 12:32

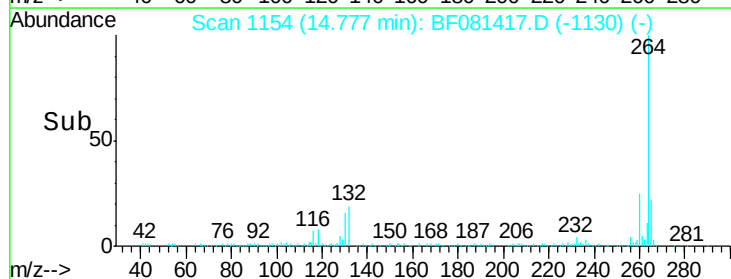
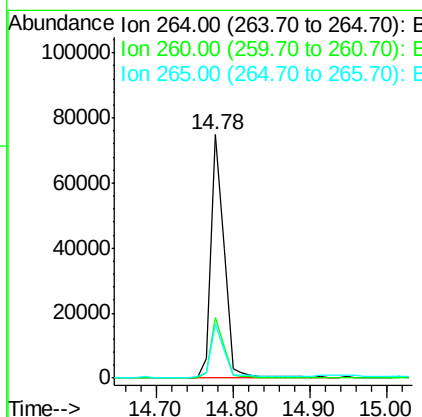
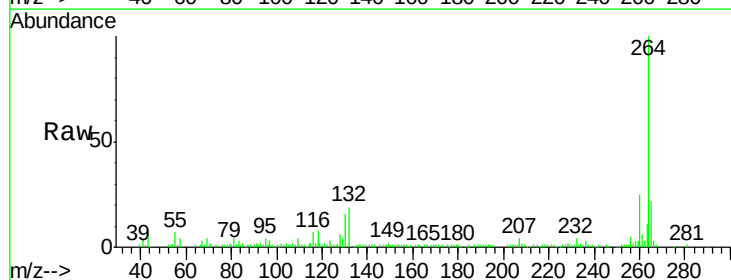
Instrument :
 BNA_F
 ClientSampleId :

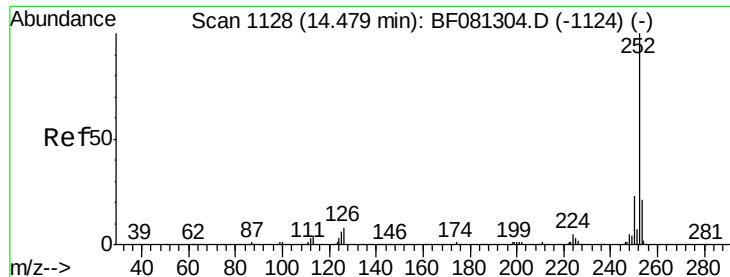
Tot Ion:276 Resp: 9786
 Ion Ratio Lower Upper
 276 100
 138 34.8 25.7 38.5
 277 31.1 15.6 23.4#



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 14.78 min Scan# 1154
 Delta R.T. -0.02 min
 Lab File: BF081417.D
 Acq: 4 Sep 2015 12:32

Tgt Ion:264 Resp: 88907
 Ion Ratio Lower Upper
 264 100
 260 24.8 16.7 25.1
 265 22.3 17.2 25.8

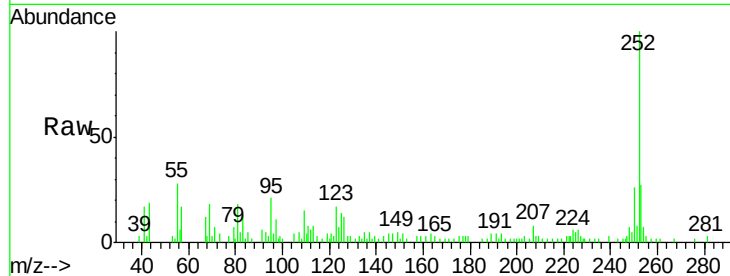




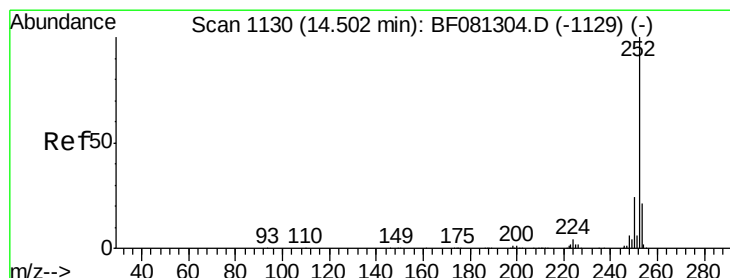
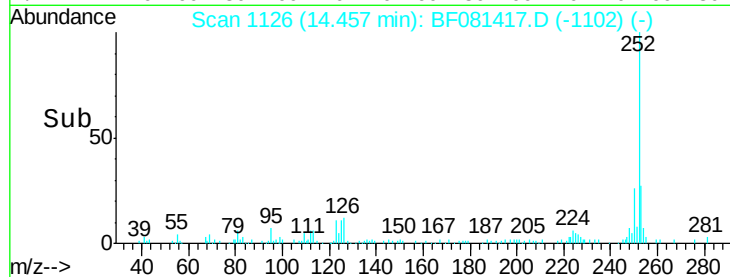
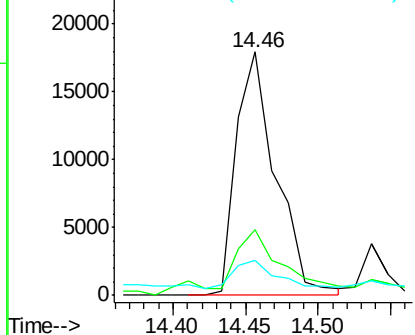
#87
Benzo(b)fluoranthene
Concen: 5.34 ng
RT: 14.46 min Scan# 1126
Delta R.T. -0.02 min
Lab File: BF081417.D
Acq: 4 Sep 2015 12:32

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
252	100		
253	26.8	17.5	26.3#
125	14.2	17.1	25.7#

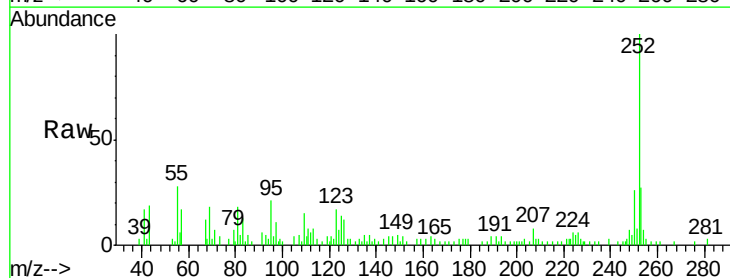


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

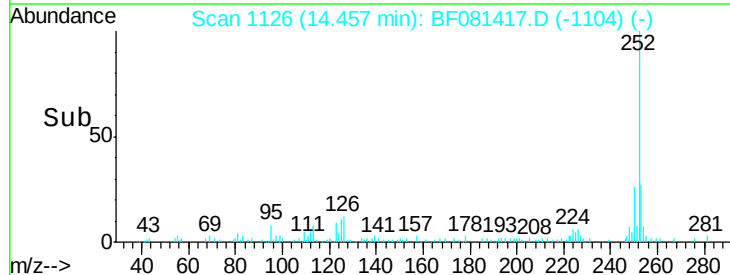
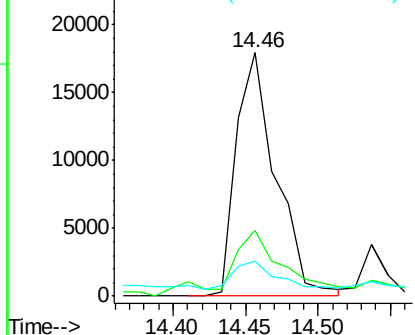


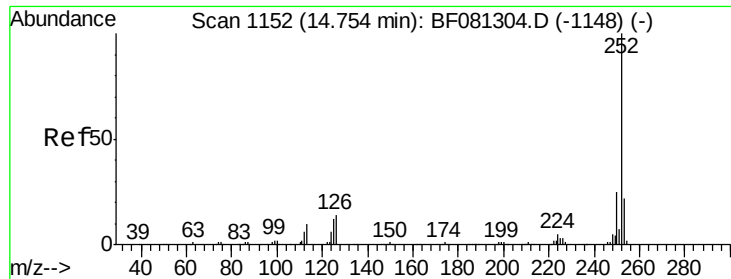
#88
Benzo(k)fluoranthene
Concen: 6.44 ng
RT: 14.46 min Scan# 1126
Delta R.T. -0.05 min
Lab File: BF081417.D
Acq: 4 Sep 2015 12:32

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.8	17.0	25.4#
125	14.2	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

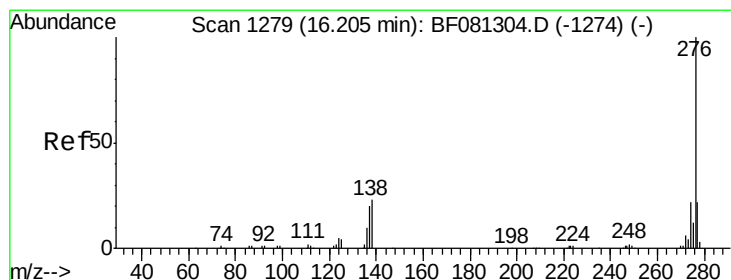
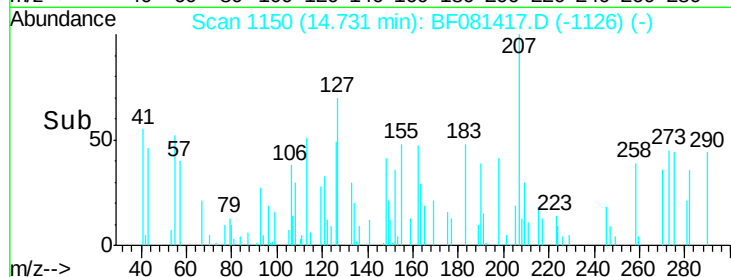
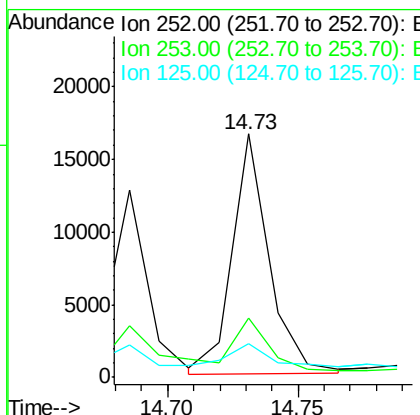
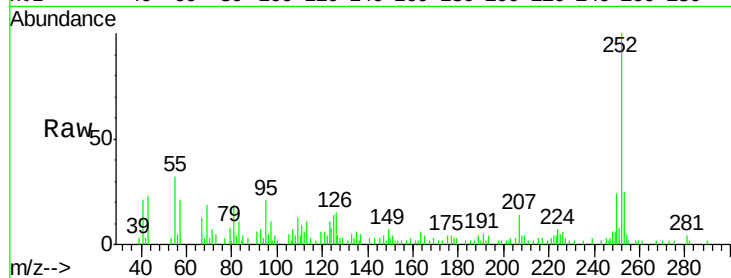




#89
Benzo(a)pyrene
Concen: 3.04 ng
RT: 14.73 min Scan# 1150
Delta R.T. -0.02 min
Lab File: BF081417.D
Acq: 4 Sep 2015 12:32

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.6	17.2	25.8
125	13.7	18.0	27.0#



#91
Benzo(g,h,i)perylene
Concen: 2.08 ng
RT: 16.17 min Scan# 1276
Delta R.T. -0.03 min
Lab File: BF081417.D
Acq: 4 Sep 2015 12:32

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.2	17.8	26.6
138	23.8	34.6	51.8#

