

Data Path : Z:\HPCHEM1\BNA F\DATA\BF090515\
 Data File : BF081505.D
 Acq On : 6 Sep 2015 12:44
 Operator : UM/IZ
 Sample : G3555-11
 Misc :
 ALS Vial : 80 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMP-1

Quant Time: Sep 07 01:57:04 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

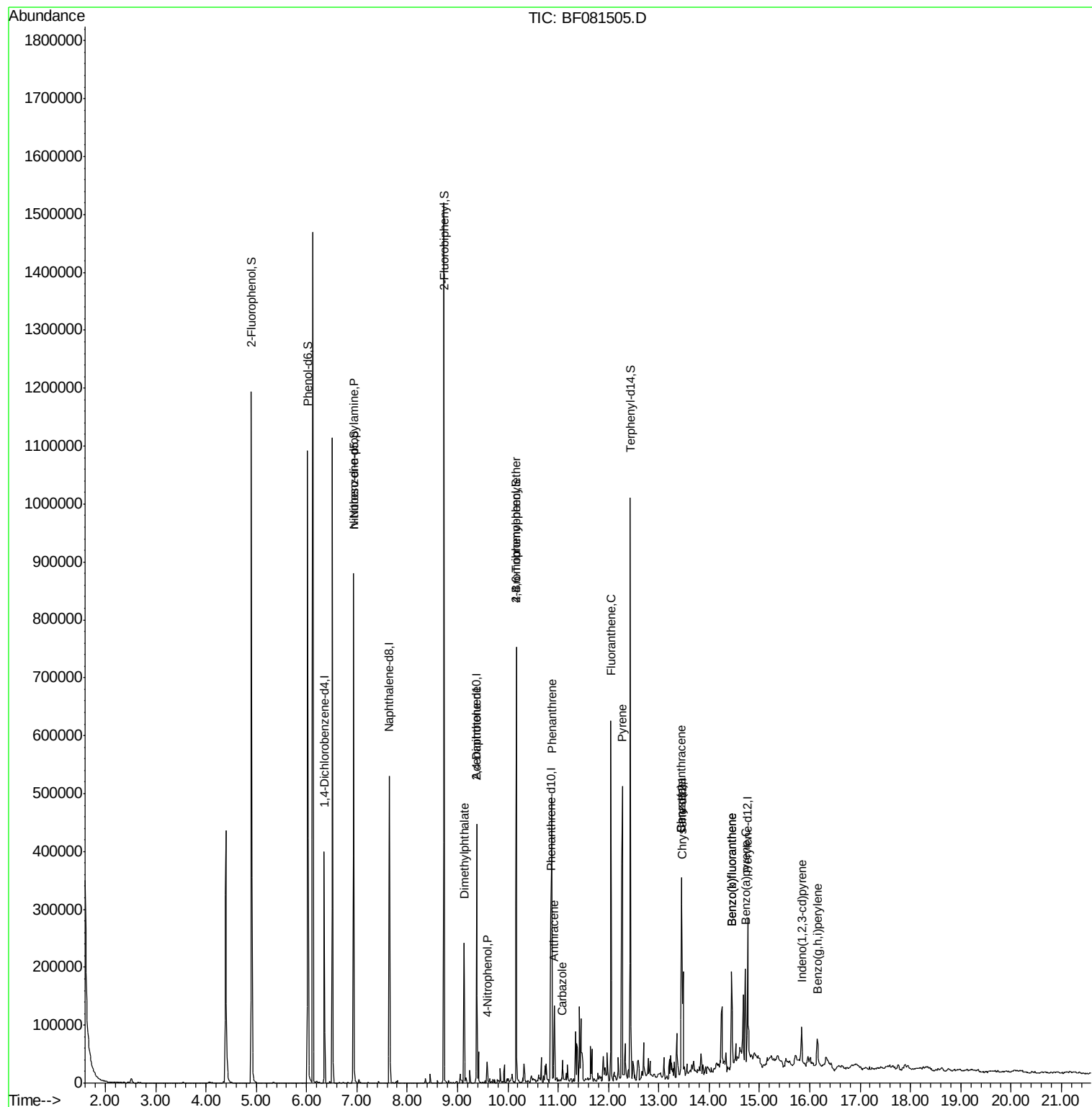
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.35	152	52121	20.00	ng	-0.03
21) Naphthalene-d8	7.64	136	203287	20.00	ng	-0.03
38) Acenaphthene-d10	9.38	164	89185	20.00	ng	-0.03
63) Phenanthrene-d10	10.86	188	163630	20.00	ng	-0.02
75) Chrysene-d12	13.46	240	102135	20.00	ng	-0.03
86) Perylene-d12	14.77	264	90519	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	4.90	112	299460	89.14	ng	-0.02
7) Phenol-d6	6.02	99	388759	87.43	ng	-0.03
23) Nitrobenzene-d5	6.94	82	299548	71.09	ng	-0.03
41) 2,4,6-Tribromophenol	10.17	330	76955	96.91	ng	-0.03
44) 2-Fluorobiphenyl	8.73	172	456936	65.66	ng	-0.03
78) Terphenyl-d14	12.43	244	272758	62.17	ng	-0.03
Target Compounds						
19) n-Nitroso-di-n-propylamine	6.94	70	40974	13.54	ng	# 62
49) Dimethylphthalate	9.13	163	82982	11.98	ng	# 97
55) 4-Nitrophenol	9.59	139	5229	4.65	ng	# 25
56) 2,4-Dinitrotoluene	9.38	165	11866	5.93	ng	# 31
66) 4-Bromophenyl-phenylether	10.17	248	5781	3.49	ng	# 1
70) Phenanthrene	10.88	178	255004	28.03	ng	97
71) Anthracene	10.92	178	50083	5.36	ng	99
72) Carbazole	11.08	167	18267	2.08	ng	# 92
74) Fluoranthene	12.05	202	262818	26.69	ng	90
77) Pyrene	12.27	202	265529	35.10	ng	98
80) Benzo(a)anthracene	13.45	228	112172	17.25	ng	97
82) Chrysene	13.45	228	112172	19.24	ng	99
85) Indeno(1,2,3-cd)pyrene	15.84	276	39743	9.29	ng	# 80
87) Benzo(b)fluoranthene	14.45	252	114116	17.66	ng	# 86
88) Benzo(k)fluoranthene	14.45	252	114116	21.28	ng	# 88
89) Benzo(a)pyrene	14.72	252	65403	11.94	ng	# 83
91) Benzo(a,h,i)perylene	16.15	276	34397	8.52	ng	# 78

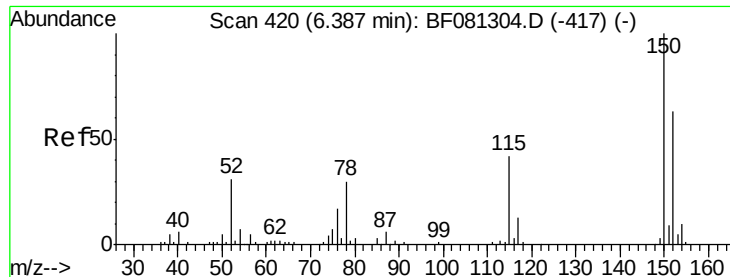
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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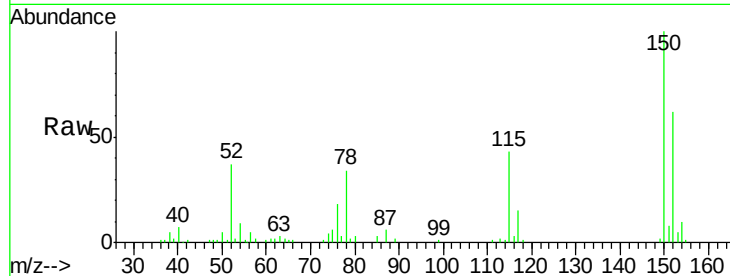


#1

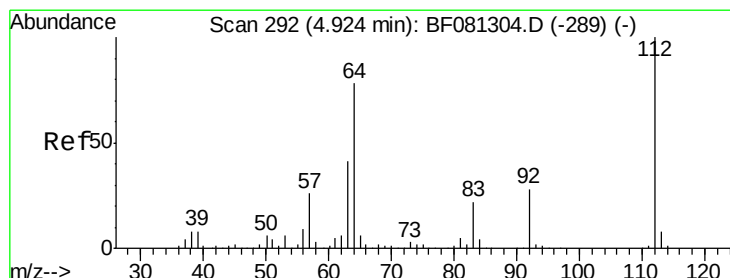
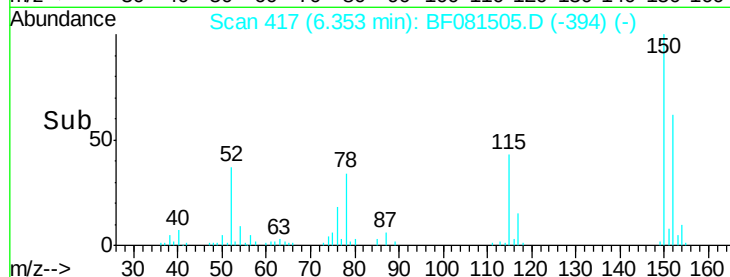
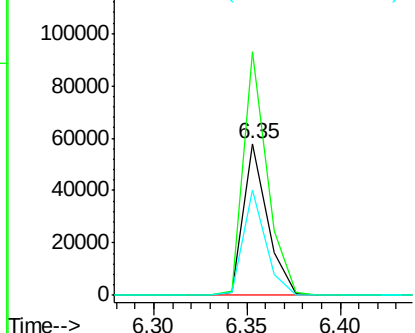
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.35 min Scan# 417
Delta R.T. -0.03 min
Lab File: BF081505.D
Acq: 6 Sep 2015 12:44

Instrument :
BNA_F
ClientSampleId :
COMP-1

Tot Ion:152 Resp: 52121
Ion Ratio Lower Upper
152 100
150 160.4 124.7 187.1
115 69.6 39.0 58.4#



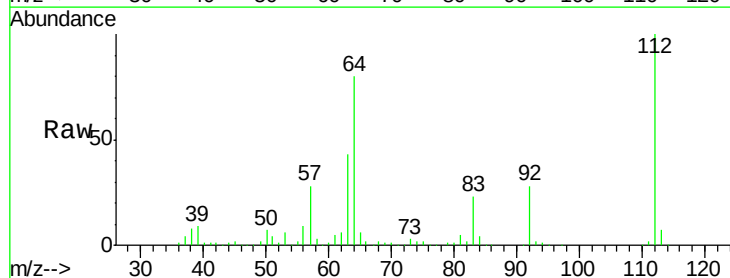
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



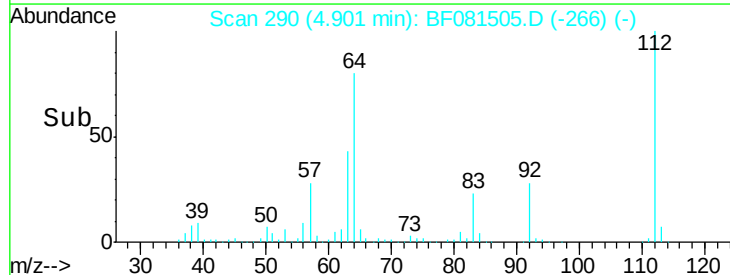
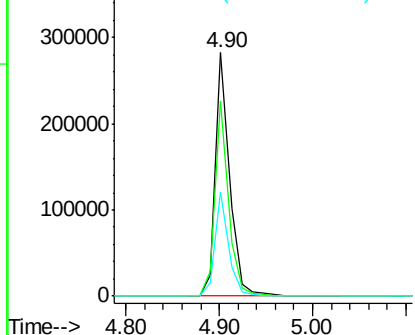
#5

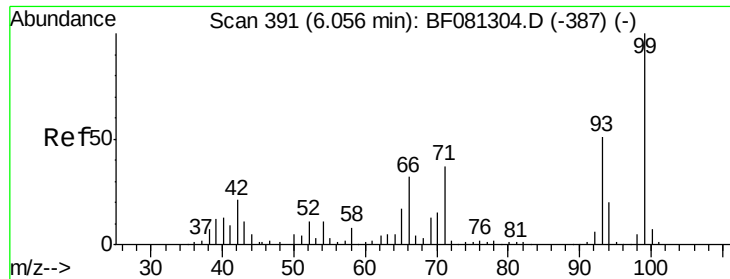
2-Fluorophenol
Concen: 89.14 ng
RT: 4.90 min Scan# 290
Delta R.T. -0.02 min
Lab File: BF081505.D
Acq: 6 Sep 2015 12:44

Tgt Ion:112 Resp: 299460
Ion Ratio Lower Upper
112 100
64 80.0 39.7 59.5#
63 42.6 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: 87.43 ng

RT: 6.02 min Scan# 388

Delta R.T. -0.03 min

Lab File: BF081505.D

Acq: 6 Sep 2015 12:44

Instrument :

BNA_F

ClientSampleId :

COMP-1

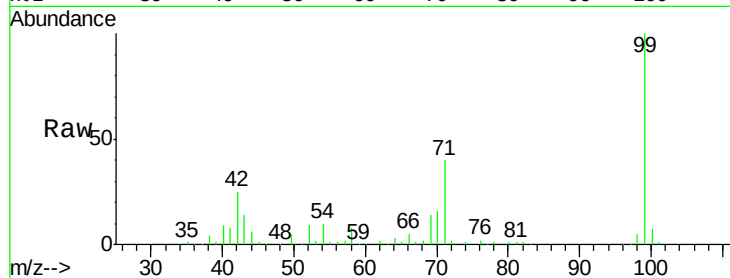
Tot Ion: 99 Resp: 388759

Ion Ratio Lower Upper

99 100

42 25.3 13.7 20.5#

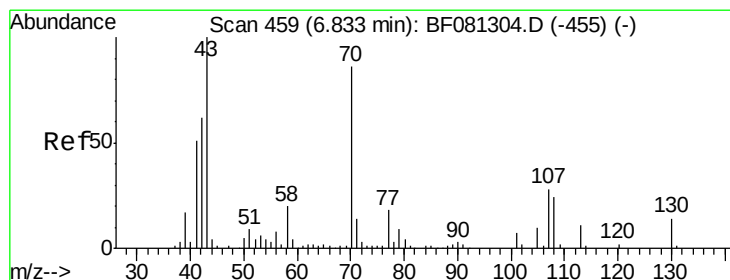
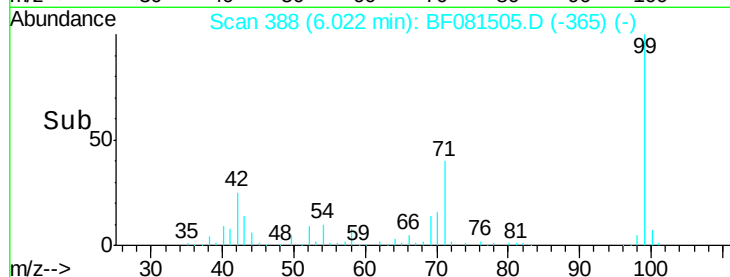
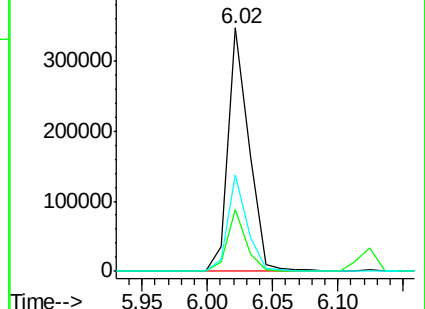
71 39.6 14.2 21.2#



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: 13.54 ng

RT: 6.94 min Scan# 468

Delta R.T. 0.10 min

Lab File: BF081505.D

Acq: 6 Sep 2015 12:44

Tgt Ion: 70 Resp: 40974

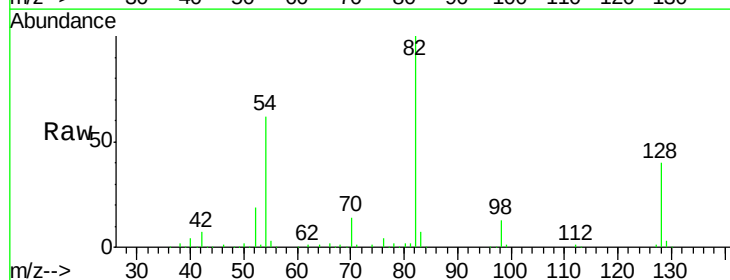
Ion Ratio Lower Upper

70 100

42 52.6 63.8 95.6#

101 0.0 9.2 13.8#

130 1.8 27.3 40.9#

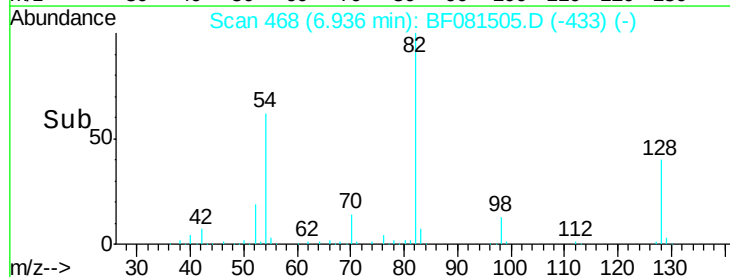
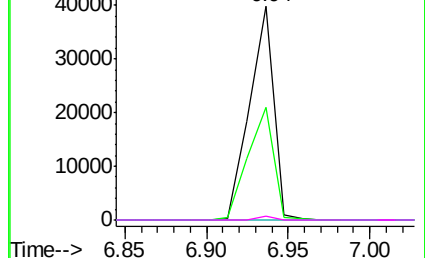


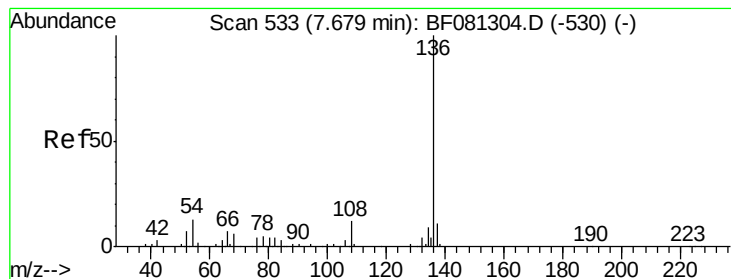
Abundance Ion 70.00 (69.70 to 70.70): BF0

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: 7.64 min Scan# 530

Delta R.T. -0.03 min

Lab File: BF081505.D

Acq: 6 Sep 2015 12:44

Instrument :

BNA_F

ClientSampleId :

COMP-1

Tot Ion:136 Resp: 203287

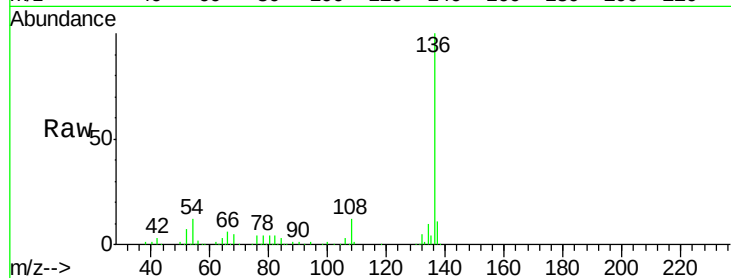
Ion Ratio Lower Upper

136 100

137 11.1 9.0 13.6

54 12.2 8.2 12.2

68 5.3 5.8 8.6#

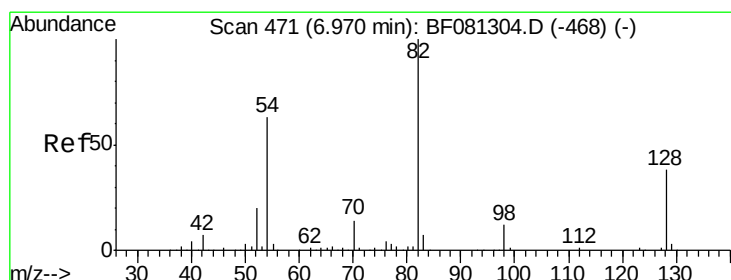
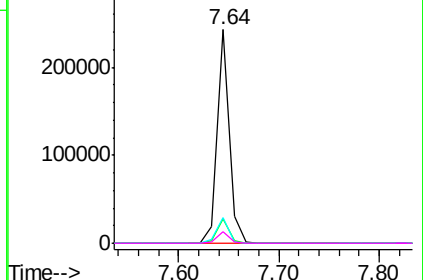
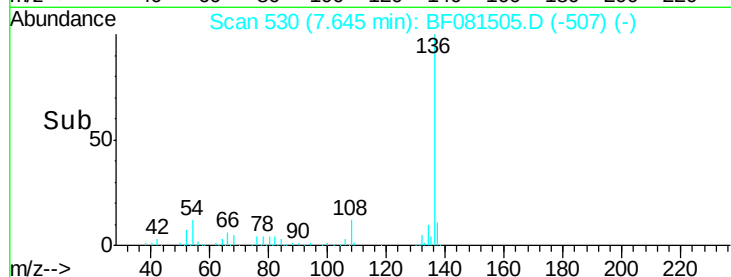


Abundance Ion 136.00 (135.70 to 136.70): E

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: 71.09 ng

RT: 6.94 min Scan# 468

Delta R.T. -0.03 min

Lab File: BF081505.D

Acq: 6 Sep 2015 12:44

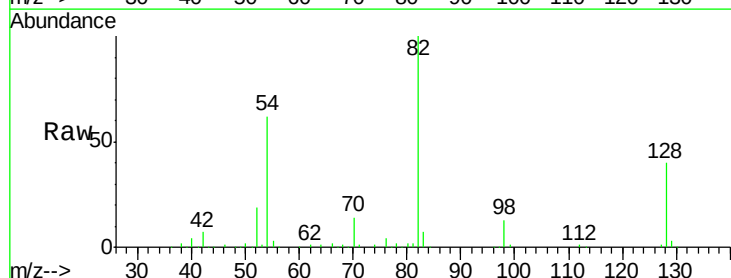
Tgt Ion: 82 Resp: 299548

Ion Ratio Lower Upper

82 100

128 39.9 51.0 76.6#

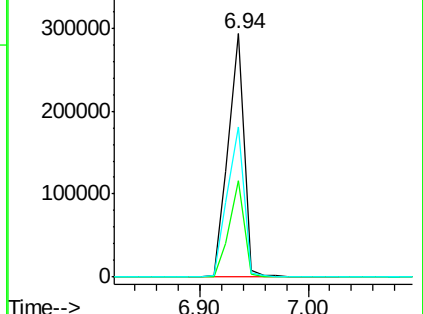
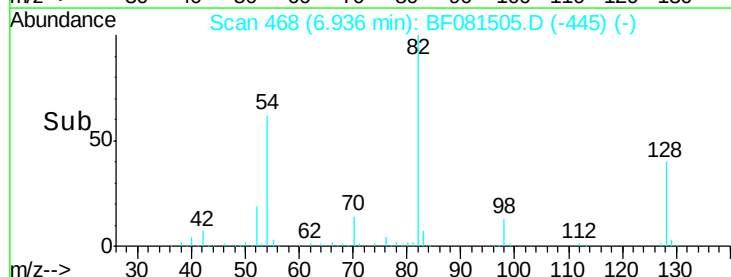
54 61.8 47.5 71.3

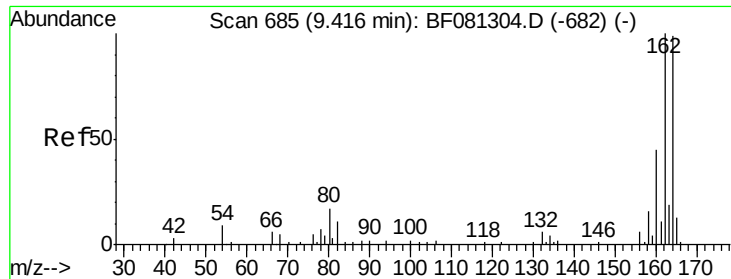


Abundance Ion 82.00 (81.70 to 82.70): BF0

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: 9.38 min Scan# 682

Delta R.T. -0.03 min

Lab File: BF081505.D

Acq: 6 Sep 2015 12:44

Instrument :

BNA_F

ClientSampleId :

COMP-1

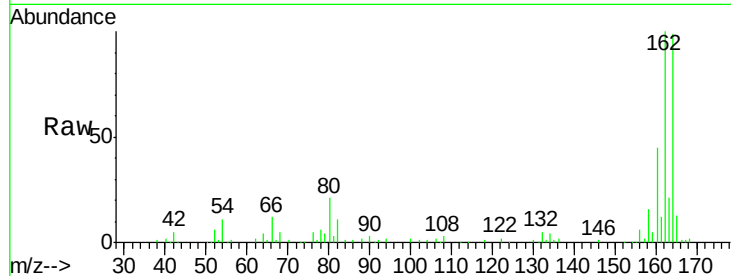
Tot Ion:164 Resp: 89185

Ion Ratio Lower Upper

164 100

162 101.0 75.2 112.8

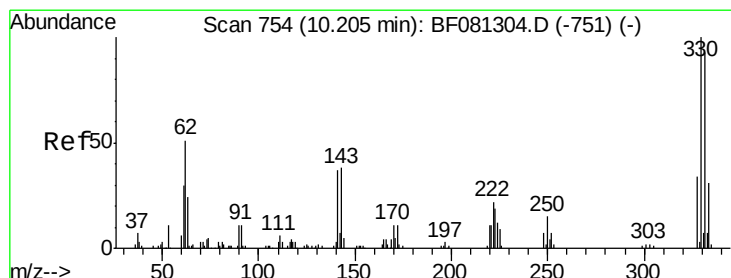
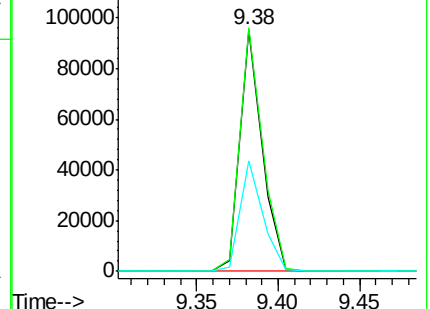
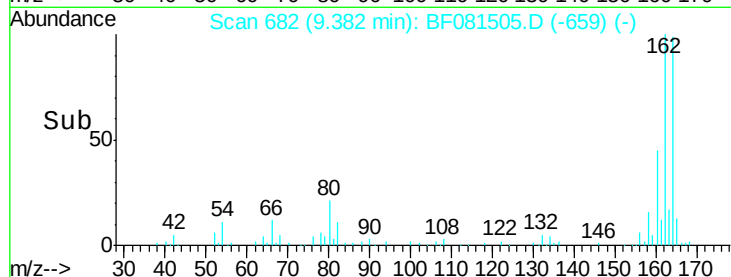
160 45.7 31.5 47.3



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: 96.91 ng

RT: 10.17 min Scan# 751

Delta R.T. -0.03 min

Lab File: BF081505.D

Acq: 6 Sep 2015 12:44

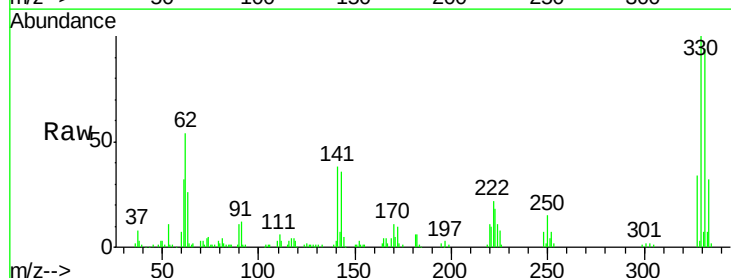
Tgt Ion:330 Resp: 76955

Ion Ratio Lower Upper

330 100

332 93.9 76.6 114.8

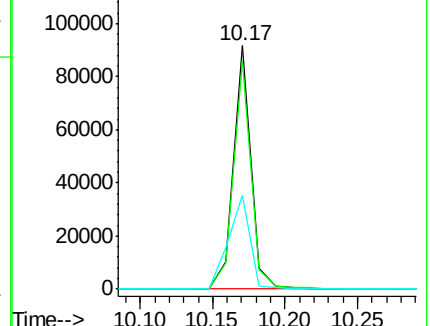
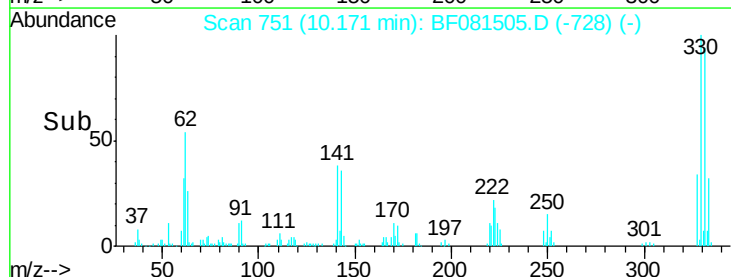
141 47.5 29.7 44.5#

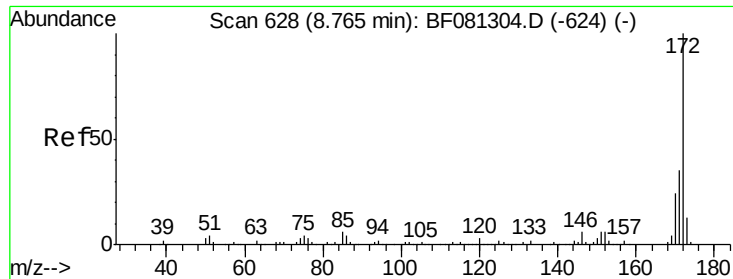


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

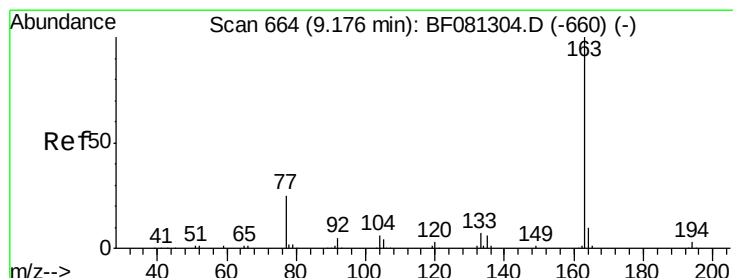
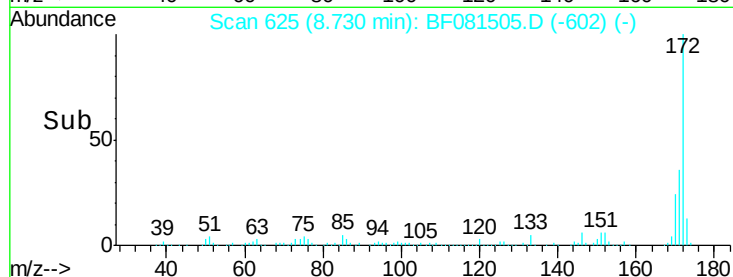
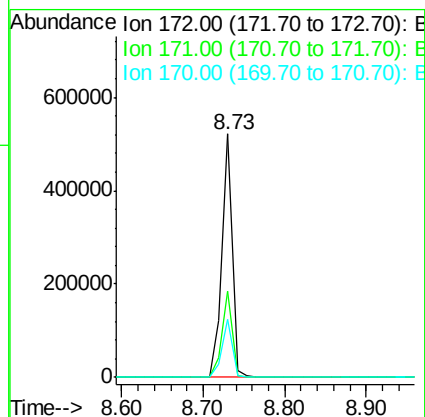
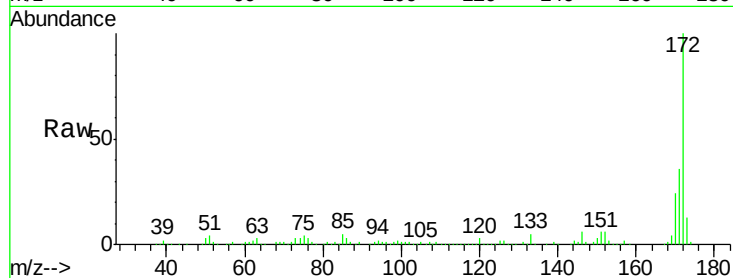




#44
 2-Fluorobiphenyl
 Concen: 65.66 ng
 RT: 8.73 min Scan# 625
 Delta R.T. -0.03 min
 Lab File: BF081505.D
 Acq: 6 Sep 2015 12:44

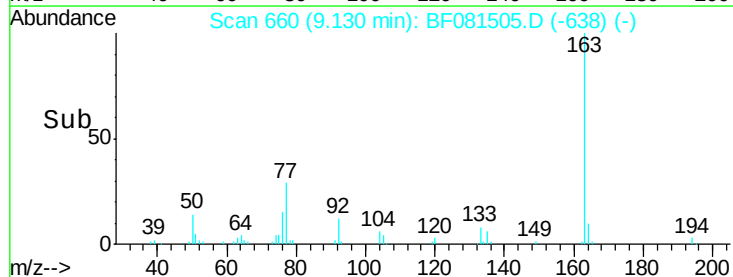
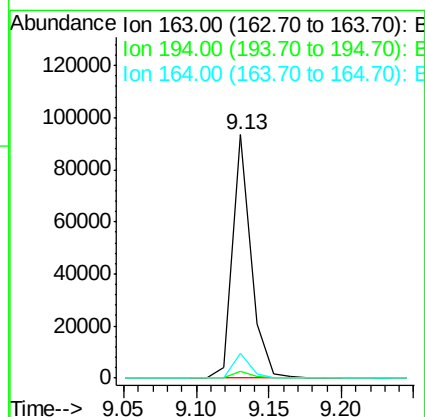
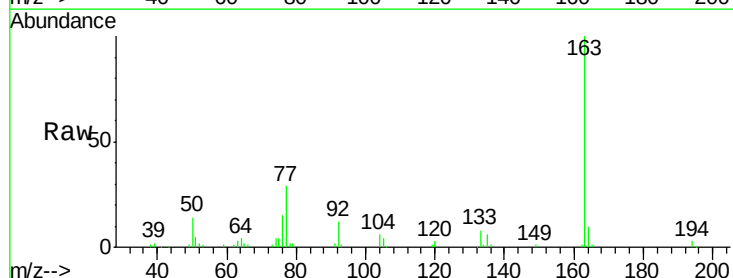
Instrument :
 BNA_F
 ClientSampleId :
 COMP-1

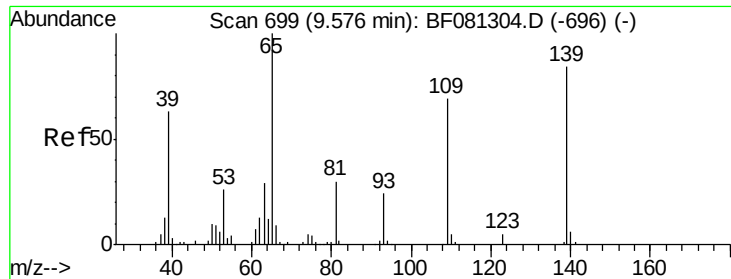
Tot Ion:172 Resp: 456936
 Ion Ratio Lower Upper
 172 100
 171 35.5 26.1 39.1
 170 23.7 17.4 26.2



#49
 Dimethylphthalate
 Concen: 11.98 ng
 RT: 9.13 min Scan# 660
 Delta R.T. -0.05 min
 Lab File: BF081505.D
 Acq: 6 Sep 2015 12:44

Tgt Ion:163 Resp: 82982
 Ion Ratio Lower Upper
 163 100
 194 2.9 4.4 6.6#
 164 10.4 8.3 12.5





#55

4-Nitrophenol

Concen: 4.65 ng

RT: 9.59 min Scan# 700

Delta R.T. 0.01 min

Lab File: BF081505.D

Acq: 6 Sep 2015 12:44

Instrument :

BNA_F

ClientSampleId :

COMP-1

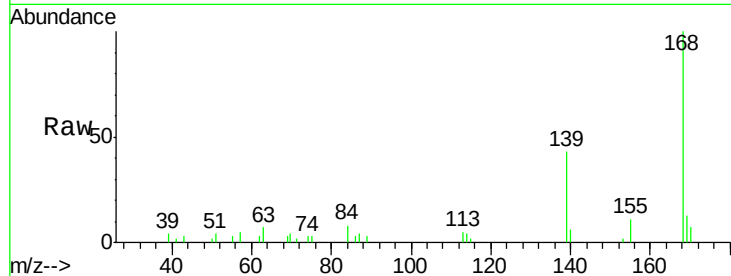
Tot Ion:139 Resp: 5229

Ion Ratio Lower Upper

139 100

109 0.0 12.7 52.7#

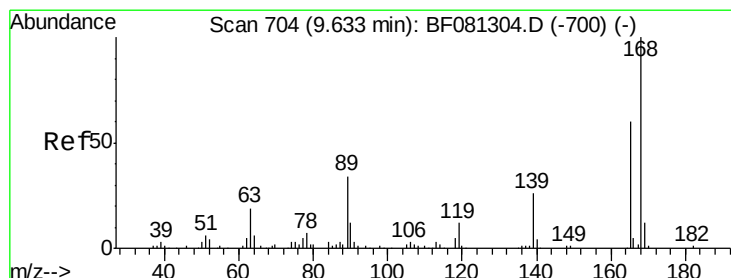
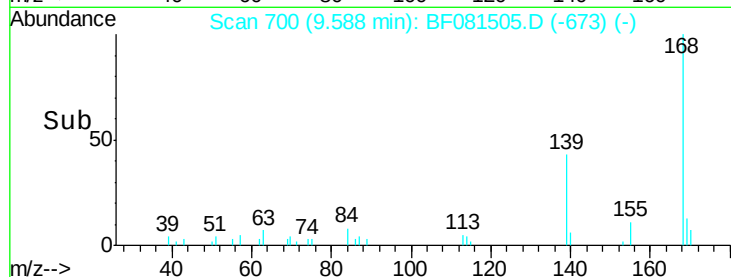
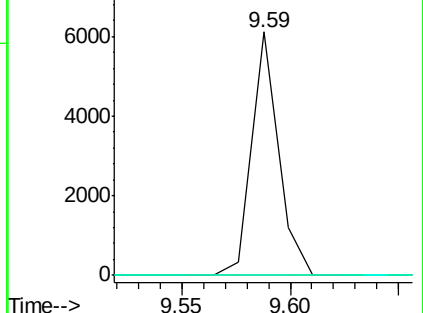
65 0.0 45.9 85.9#



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



#56

2,4-Dinitrotoluene

Concen: 5.93 ng

RT: 9.38 min Scan# 682

Delta R.T. -0.25 min

Lab File: BF081505.D

Acq: 6 Sep 2015 12:44

Tgt Ion:165 Resp: 11866

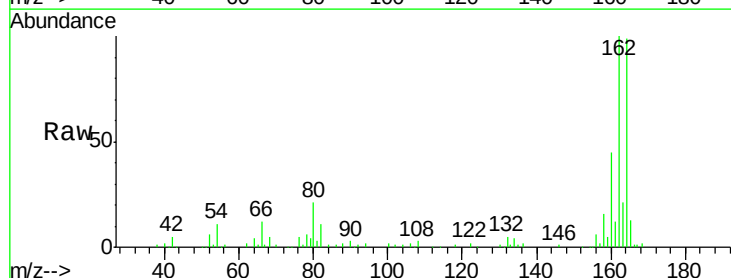
Ion Ratio Lower Upper

165 100

63 0.0 29.8 44.6#

89 0.0 44.5 66.7#

182 0.0 3.0 4.4#

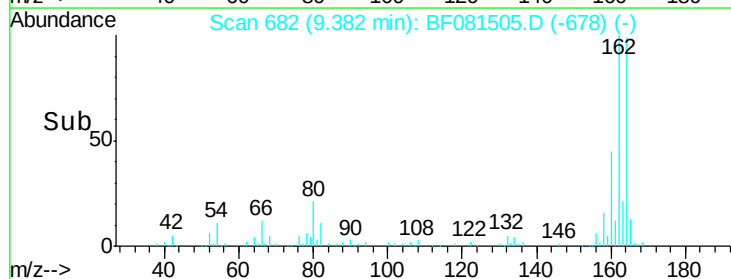
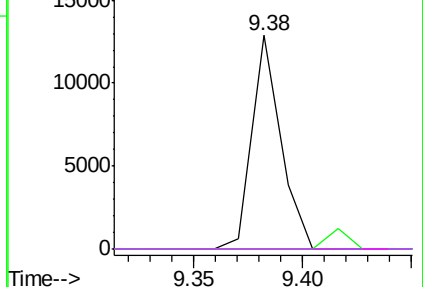


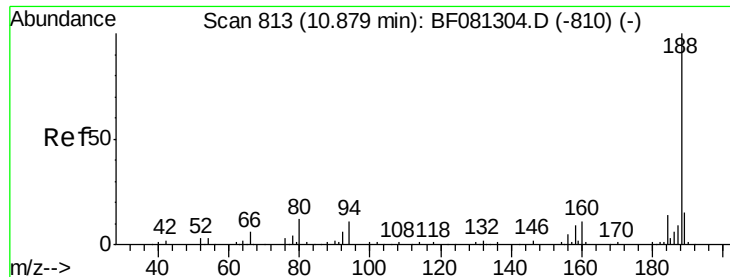
Abundance Ion 165.00 (164.70 to 165.70): E

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

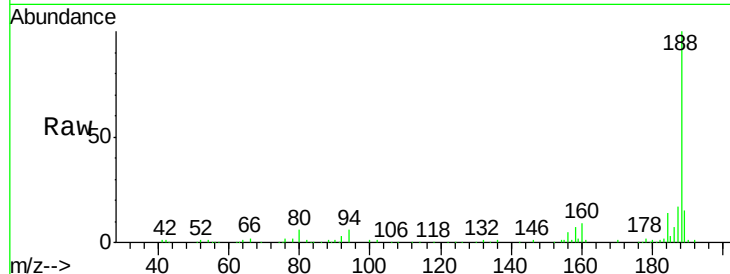




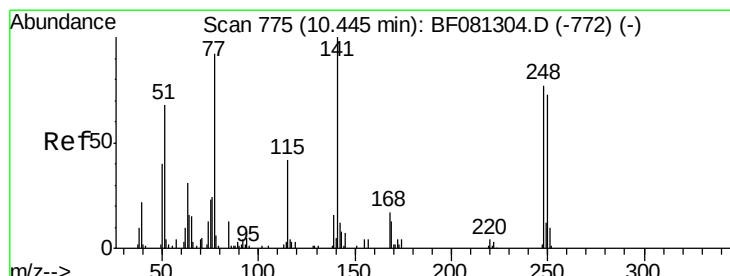
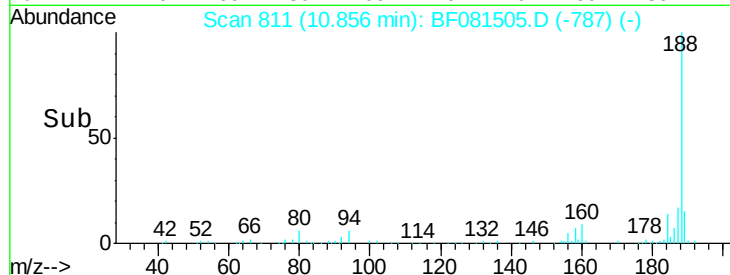
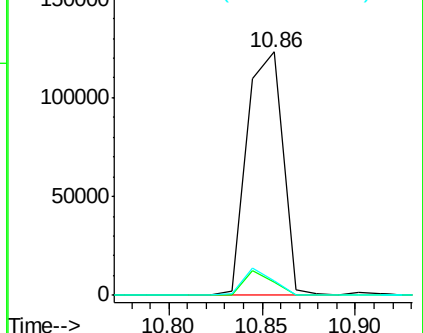
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 10.86 min Scan# 811
Delta R.T. -0.02 min
Lab File: BF081505.D
Acq: 6 Sep 2015 12:44

Instrument :
BNA_F
ClientSampleId :
COMP-1

Tot Ion:188 Resp: 163630
Ion Ratio Lower Upper
188 100
94 5.5 11.1 16.7#
80 5.7 11.0 16.4#

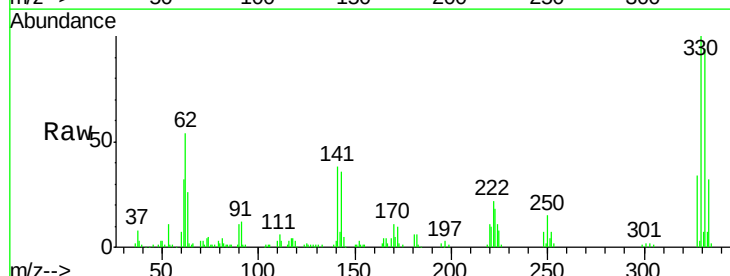


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

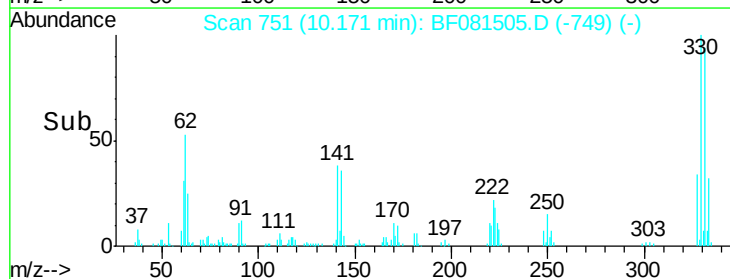
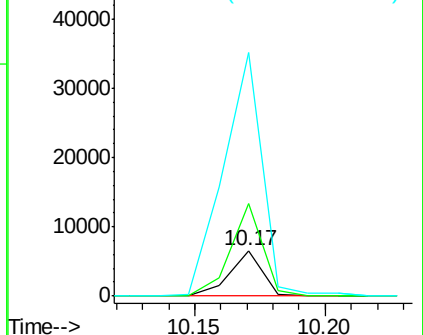


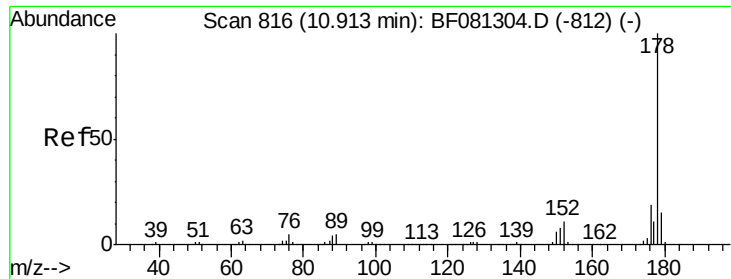
#66
4-Bromophenyl-phenylether
Concen: 3.49 ng
RT: 10.17 min Scan# 751
Delta R.T. -0.27 min
Lab File: BF081505.D
Acq: 6 Sep 2015 12:44

Tgt Ion:248 Resp: 5781
Ion Ratio Lower Upper
248 100
250 203.6 78.5 117.7#
141 535.5 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: 28.03 ng

RT: 10.88 min Scan# 813

Delta R.T. -0.03 min

Lab File: BF081505.D

Acq: 6 Sep 2015 12:44

Instrument :

BNA_F

ClientSampleId :

COMP-1

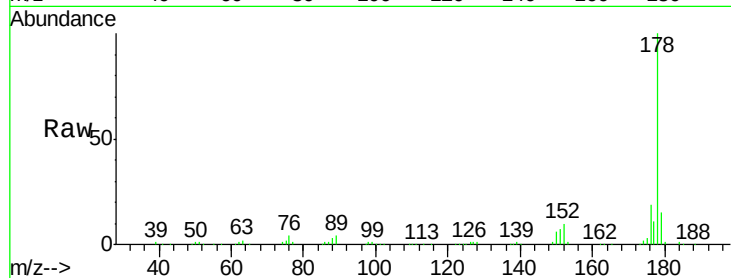
Tot Ion:178 Resp: 255004

Ion Ratio Lower Upper

178 100

176 19.2 13.8 20.8

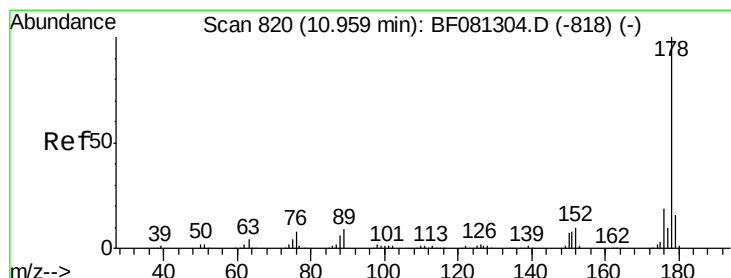
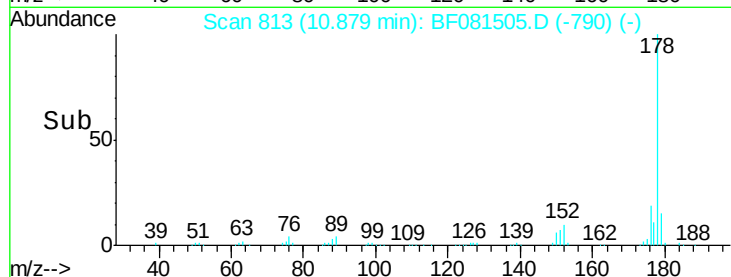
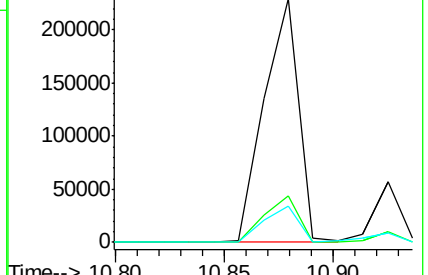
179 14.9 12.2 18.2



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: 5.36 ng

RT: 10.92 min Scan# 817

Delta R.T. -0.03 min

Lab File: BF081505.D

Acq: 6 Sep 2015 12:44

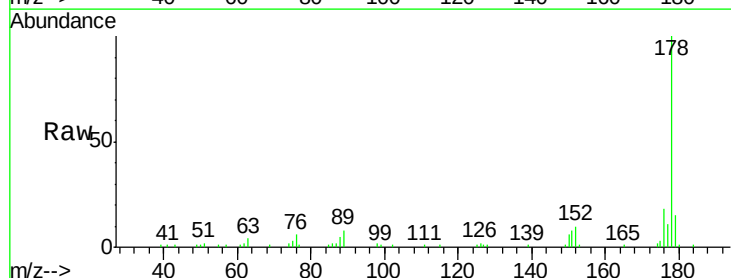
Tgt Ion:178 Resp: 50083

Ion Ratio Lower Upper

178 100

176 18.1 14.1 21.1

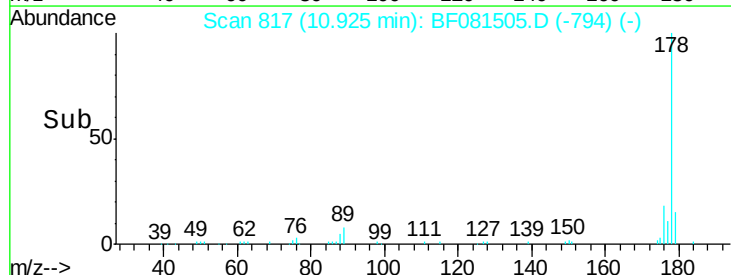
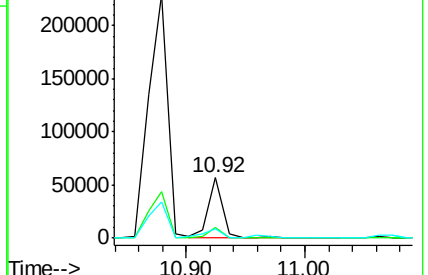
179 15.1 12.2 18.2

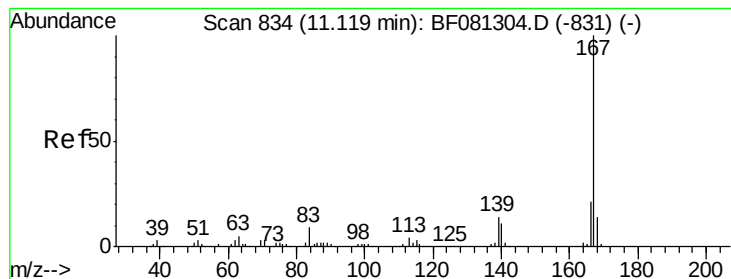


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Carbazole

Concen: 2.08 ng

RT: 11.08 min Scan# 831

Delta R.T. -0.03 min

Lab File: BF081505.D

Acq: 6 Sep 2015 12:44

Instrument :

BNA_F

ClientSampleId :

COMP-1

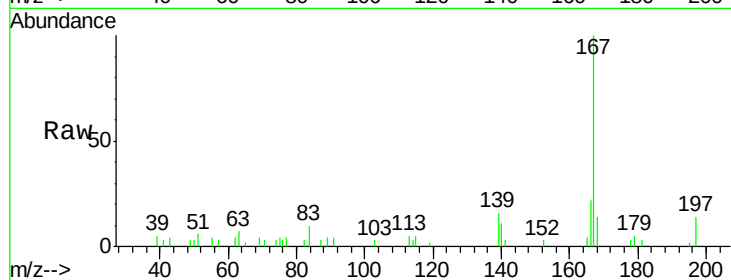
Tot Ion:167 Resp: 18267

Ion Ratio Lower Upper

167 100

166 22.1 15.7 23.5

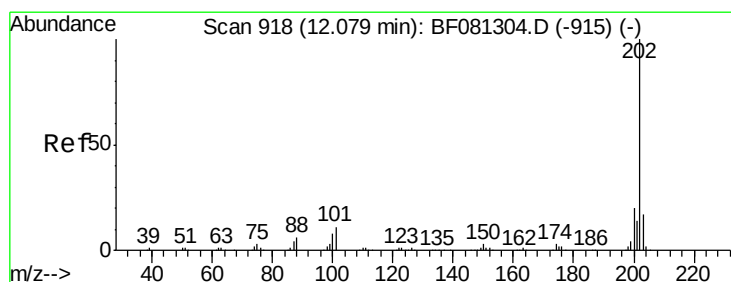
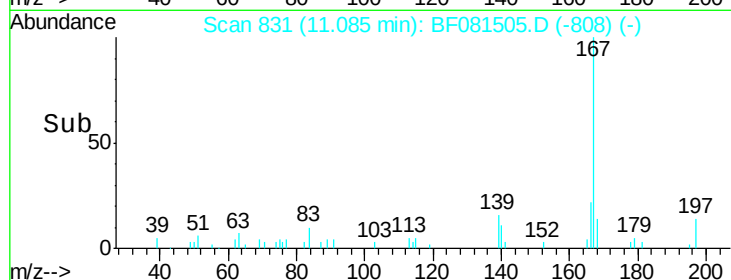
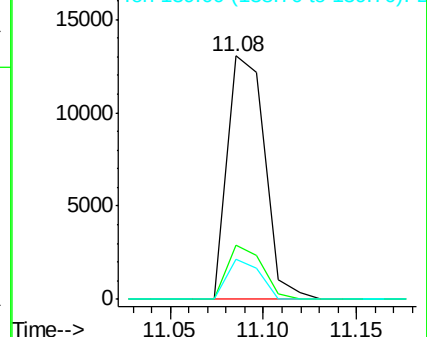
139 16.4 9.5 14.3#



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#74

Fluoranthene

Concen: 26.69 ng

RT: 12.05 min Scan# 915

Delta R.T. -0.03 min

Lab File: BF081505.D

Acq: 6 Sep 2015 12:44

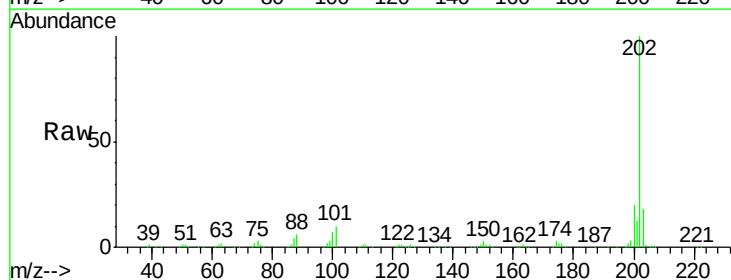
Tgt Ion:202 Resp: 262818

Ion Ratio Lower Upper

202 100

101 10.3 0.0 38.3

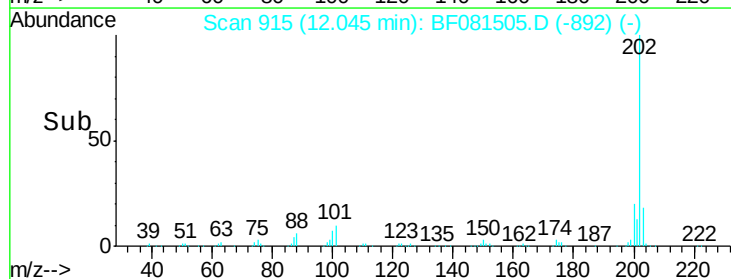
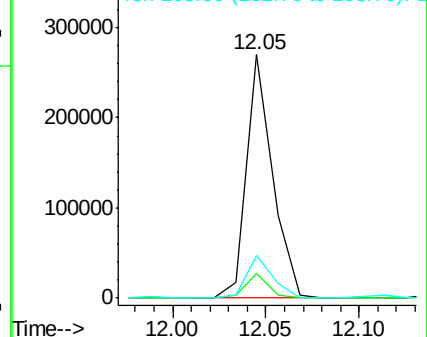
203 17.6 0.0 37.3

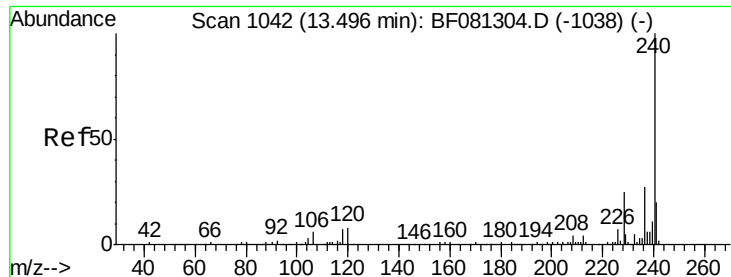


Abundance Ion 202.00 (201.70 to 202.70): E

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: 13.46 min Scan# 1039

Delta R.T. -0.03 min

Lab File: BF081505.D

Acq: 6 Sep 2015 12:44

Instrument :

BNA_F

ClientSampleId :

COMP-1

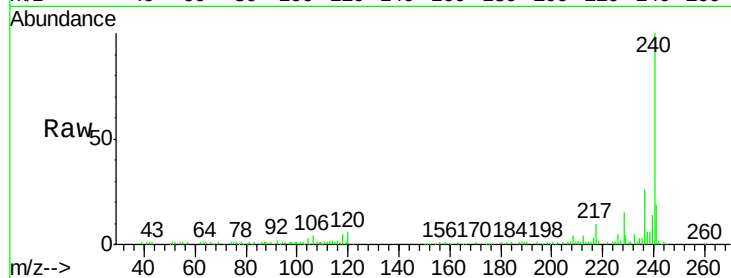
Tot Ion:240 Resp: 102135

Ion Ratio Lower Upper

240 100

120 6.0 16.2 24.2#

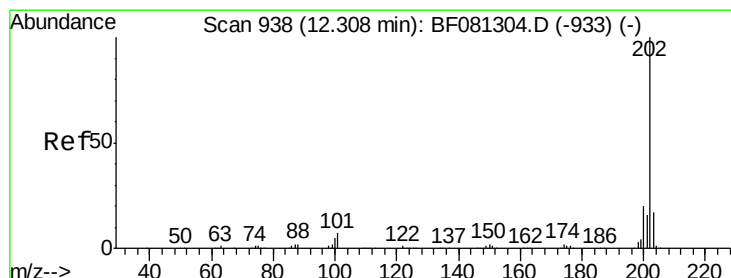
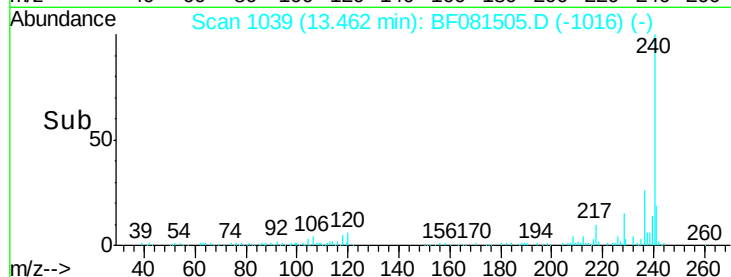
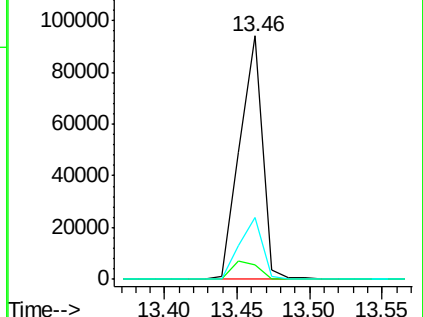
236 25.6 18.4 27.6



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: 35.10 ng

RT: 12.27 min Scan# 935

Delta R.T. -0.03 min

Lab File: BF081505.D

Acq: 6 Sep 2015 12:44

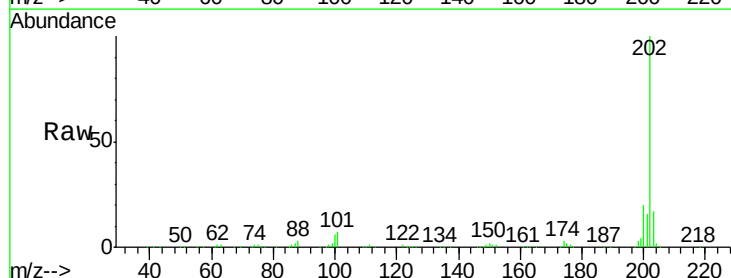
Tgt Ion:202 Resp: 265529

Ion Ratio Lower Upper

202 100

200 20.3 15.0 22.4

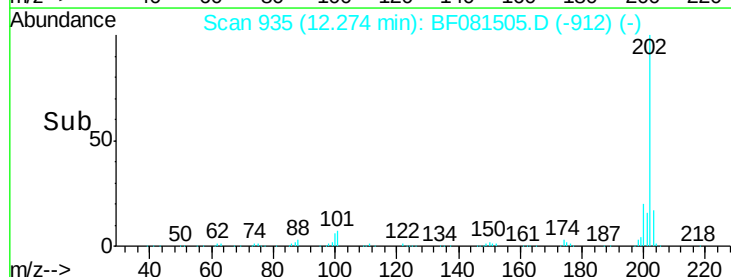
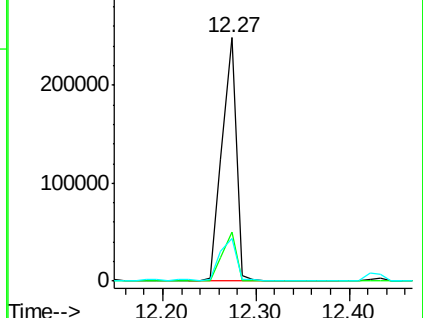
203 17.5 14.1 21.1

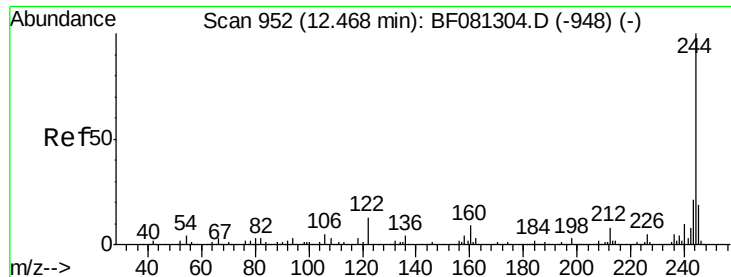


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

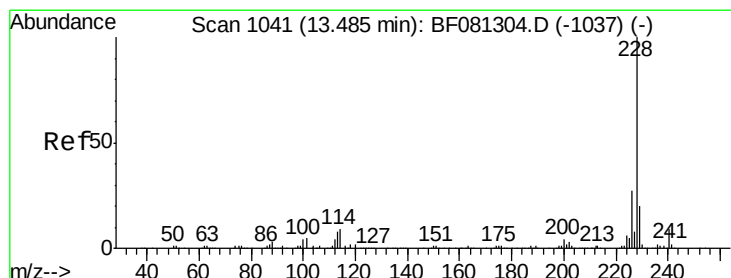
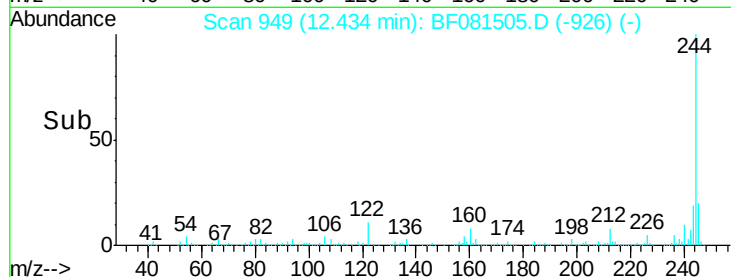
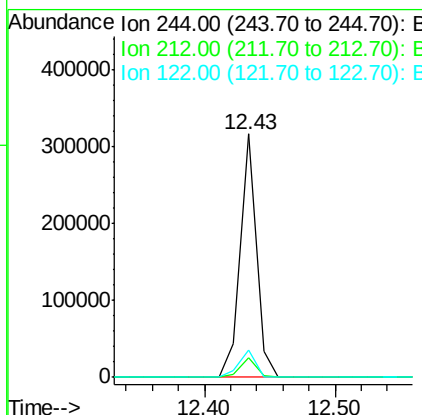
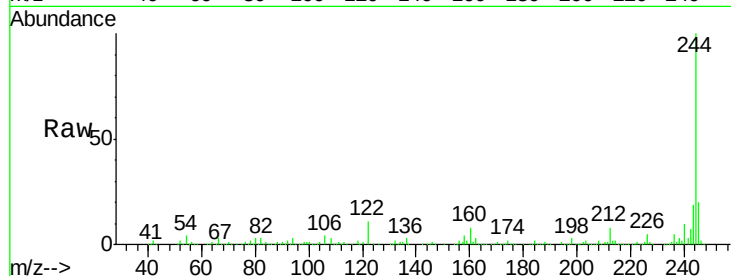




#78
 Terphenyl-d14
 Concen: 62.17 ng
 RT: 12.43 min Scan# 949
 Delta R.T. -0.03 min
 Lab File: BF081505.D
 Acq: 6 Sep 2015 12:44

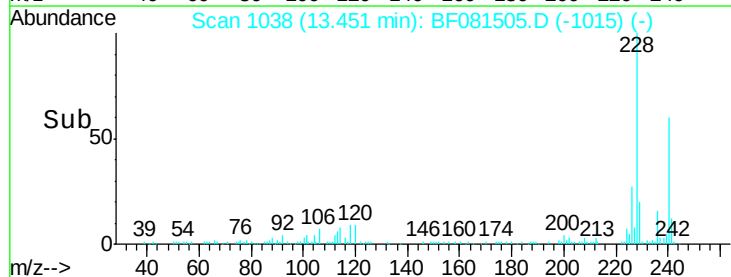
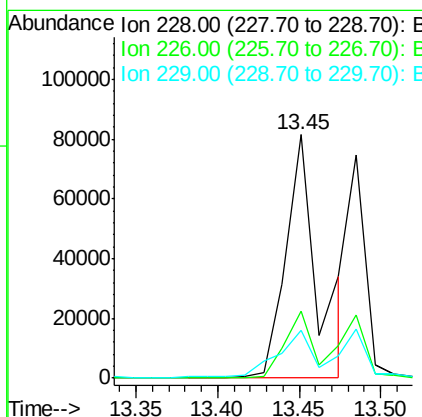
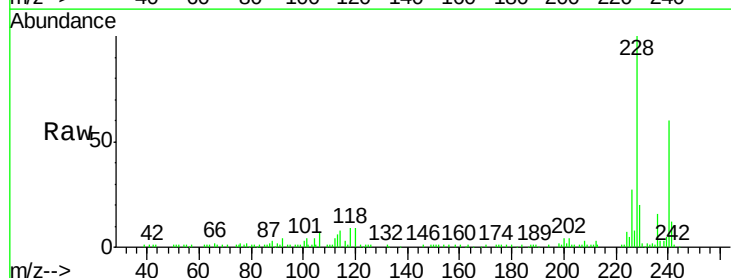
Instrument :
 BNA_F
 ClientSampleId :
 COMP-1

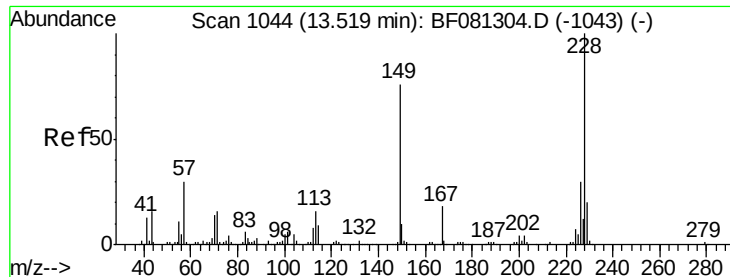
Tot Ion:244 Resp: 272758
 Ion Ratio Lower Upper
 244 100
 212 8.1 4.3 6.5#
 122 11.5 17.4 26.2#



#80
 Benzo(a)anthracene
 Concen: 17.25 ng
 RT: 13.45 min Scan# 1038
 Delta R.T. -0.03 min
 Lab File: BF081505.D
 Acq: 6 Sep 2015 12:44

Tgt Ion:228 Resp: 112172
 Ion Ratio Lower Upper
 228 100
 226 27.3 20.0 30.0
 229 19.7 15.4 23.2





#82

Chrysene

Concen: 19.24 ng

RT: 13.45 min Scan# 1038

Delta R.T. -0.07 min

Lab File: BF081505.D

Acq: 6 Sep 2015 12:44

Instrument :

BNA_F

ClientSampleId :

COMP-1

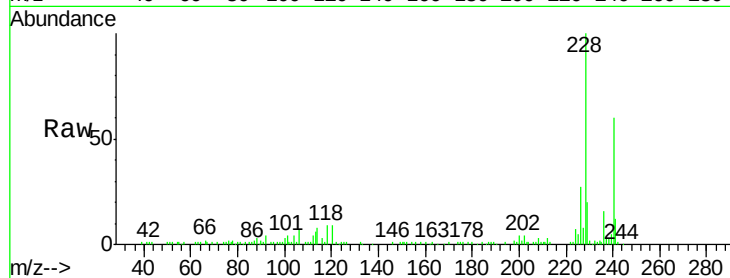
Tot Ion:228 Resp: 112172

Ion Ratio Lower Upper

228 100

226 27.3 21.0 31.4

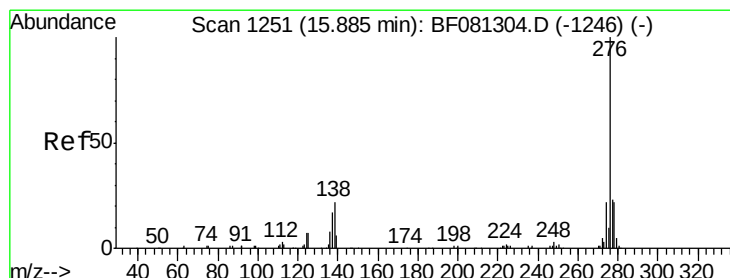
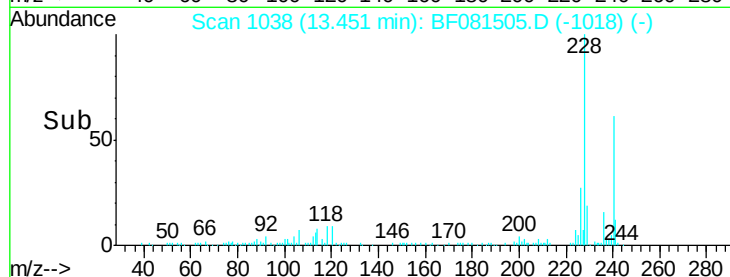
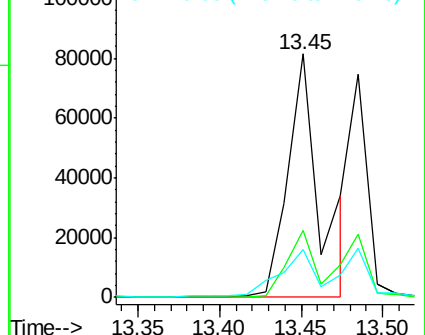
229 19.7 15.6 23.4



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: 9.29 ng

RT: 15.84 min Scan# 1247

Delta R.T. -0.05 min

Lab File: BF081505.D

Acq: 6 Sep 2015 12:44

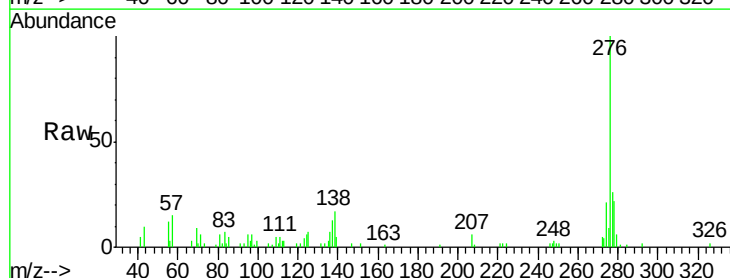
Tgt Ion:276 Resp: 39743

Ion Ratio Lower Upper

276 100

138 20.8 25.7 38.5#

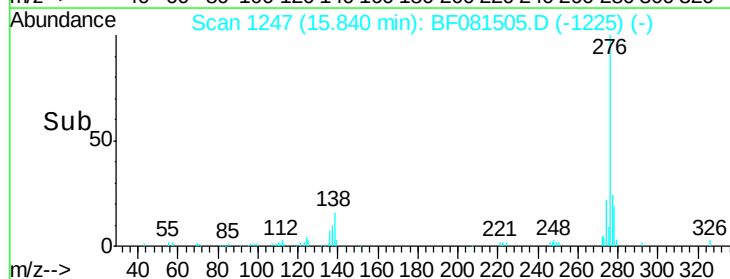
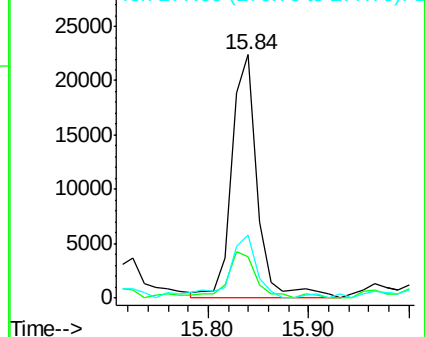
277 28.7 15.6 23.4#

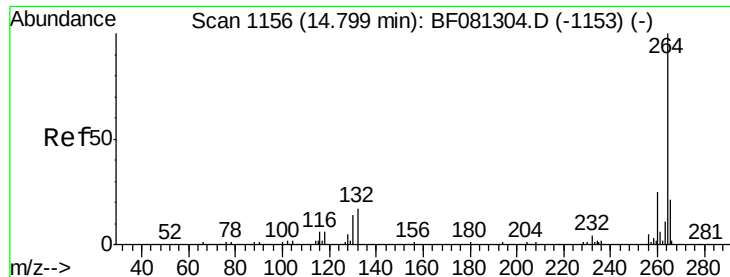


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



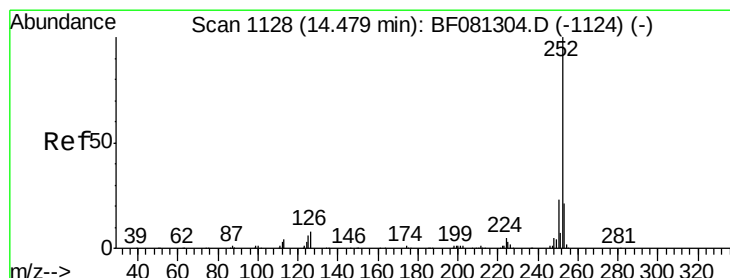
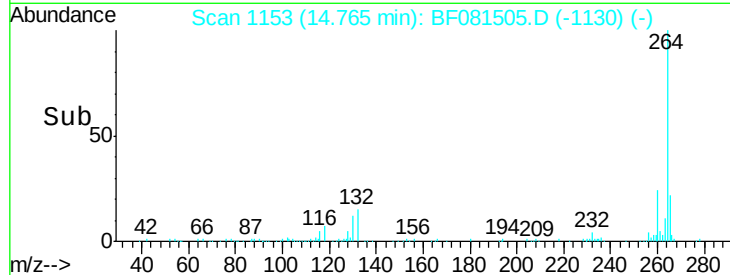
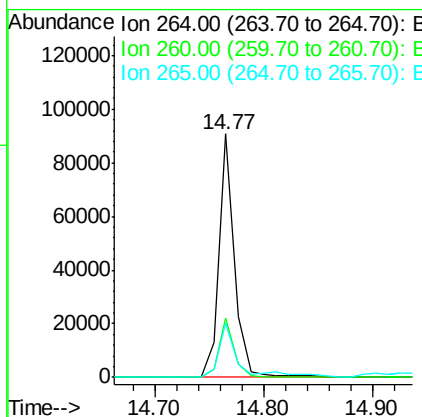
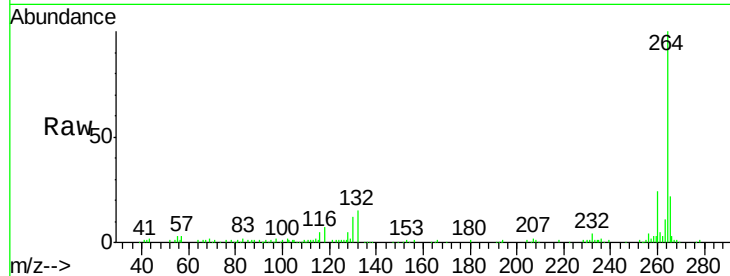


#86
Pervlene-d12
Concen: 20.00 ng
RT: 14.77 min Scan# 1153
Delta R.T. -0.03 min
Lab File: BF081505.D
Acq: 6 Sep 2015 12:44

Instrument :
BNA_F
ClientSampleId :
COMP-1

Tot Ion:264 Resp: 90519

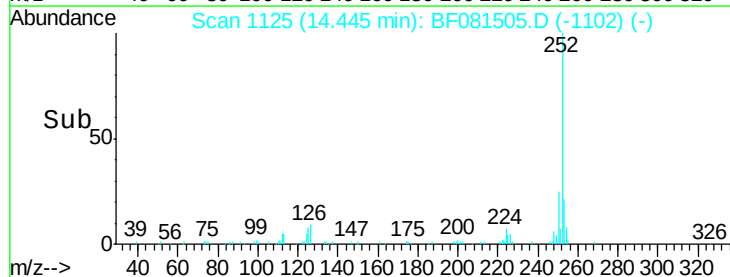
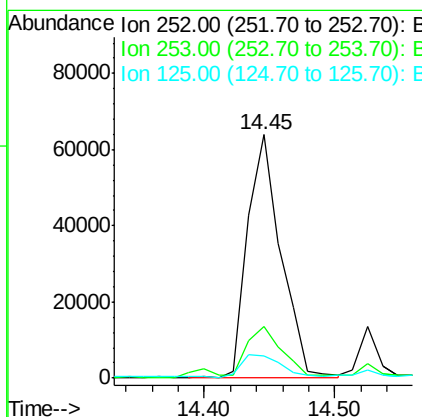
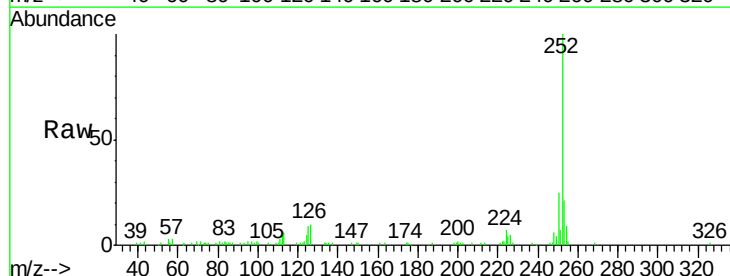
Ion	Ratio	Lower	Upper
264	100		
260	24.1	16.7	25.1
265	22.4	17.2	25.8

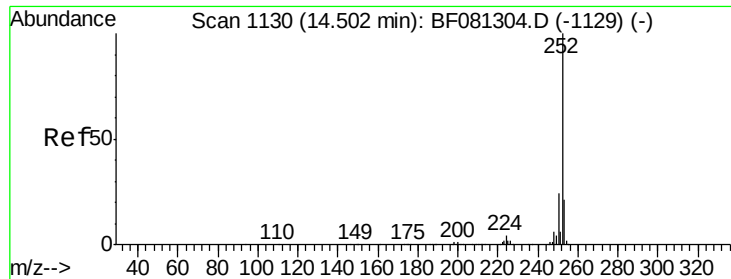


#87
Benzo(b)fluoranthene
Concen: 17.66 ng
RT: 14.45 min Scan# 1125
Delta R.T. -0.03 min
Lab File: BF081505.D
Acq: 6 Sep 2015 12:44

Tgt Ion:252 Resp: 114116

Ion	Ratio	Lower	Upper
252	100		
253	21.0	17.5	26.3
125	9.3	17.1	25.7#

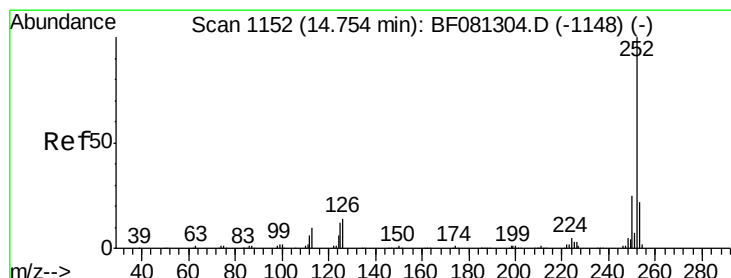
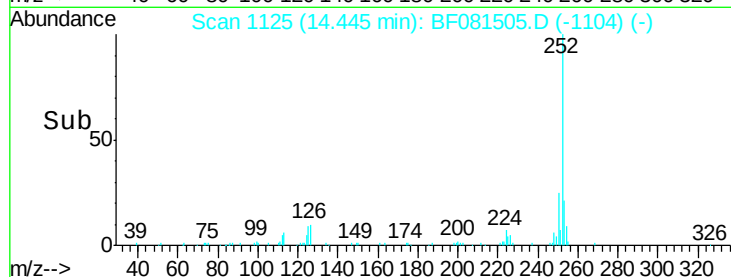
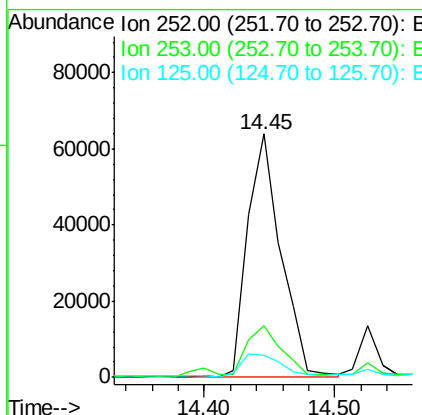
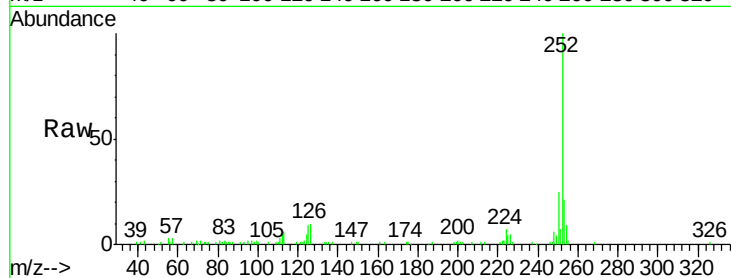




#88
Benzo(k)fluoranthene
Concen: 21.28 ng
RT: 14.45 min Scan# 1125
Delta R.T. -0.06 min
Lab File: BF081505.D
Acq: 6 Sep 2015 12:44

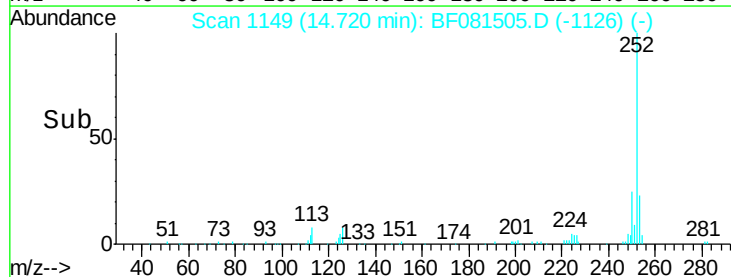
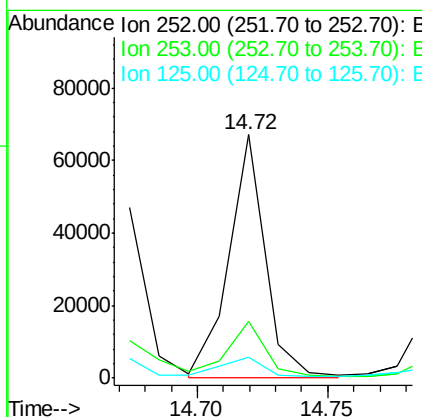
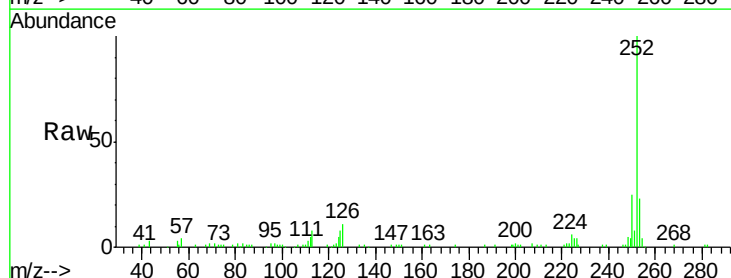
Instrument :
BNA_F
ClientSampleId :
COMP-1

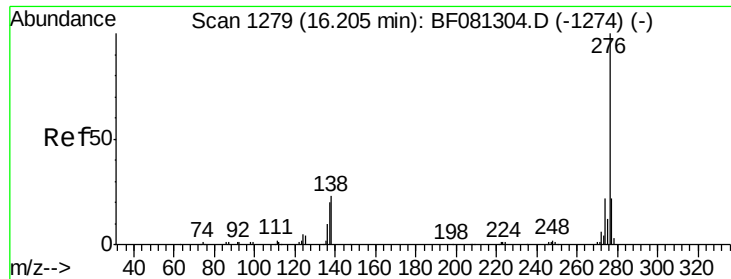
Tot Ion:252 Resp: 114116
Ion Ratio Lower Upper
252 100
253 21.0 17.0 25.4
125 9.3 16.0 24.0#



#89
Benzo(a)pyrene
Concen: 11.94 ng
RT: 14.72 min Scan# 1149
Delta R.T. -0.03 min
Lab File: BF081505.D
Acq: 6 Sep 2015 12:44

Tgt Ion:252 Resp: 65403
Ion Ratio Lower Upper
252 100
253 23.2 17.2 25.8
125 8.4 18.0 27.0#





#91
 Benzo(a,h,i)perylene
 Concen: 8.52 ng
 RT: 16.15 min Scan# 1274
 Delta R.T. -0.06 min
 Lab File: BF081505.D
 Acq: 6 Sep 2015 12:44

Instrument :
 BNA_F
 ClientSampleId :
 COMP-1

Tot Ion	Ratio	Lower	Upper
276	100		
277	23.2	17.8	26.6
138	22.4	34.6	51.8

