

Data Path : Z:\HPCHEM1\BNA F\DATA\BF011316\
 Data File : BF084450.D
 Acq On : 13 Jan 2016 19:17
 Operator : SJ/UM
 Sample : H1115-01
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WHRB1A

Quant Time: Jan 14 11:12:17 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF123115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 04 12:22:40 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	243365	20.00	ng	-0.07
21) Naphthalene-d8	8.12	136	1020124	20.00	ng	-0.07
38) Acenaphthene-d10	9.87	164	488680	20.00	ng	-0.08
63) Phenanthrene-d10	11.36	188	888318	20.00	ng	-0.07
75) Chrysene-d12	13.99	240	652746	20.00	ng	-0.08
86) Perylene-d12	15.40	264	466182	20.00	ng	-0.10

System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	1869889	124.28	ng	-0.04
7) Phenol-d6	6.48	99	2022052	107.01	ng	-0.06
23) Nitrobenzene-d5	7.40	82	1574087	85.88	ng	-0.07
41) 2,4,6-Tribromophenol	10.66	330	494855	100.30	ng	-0.08
44) 2-Fluorobiphenyl	9.20	172	2088672	74.40	ng	-0.07
78) Terphenyl-d14	12.95	244	1899040	64.94	ng	-0.07

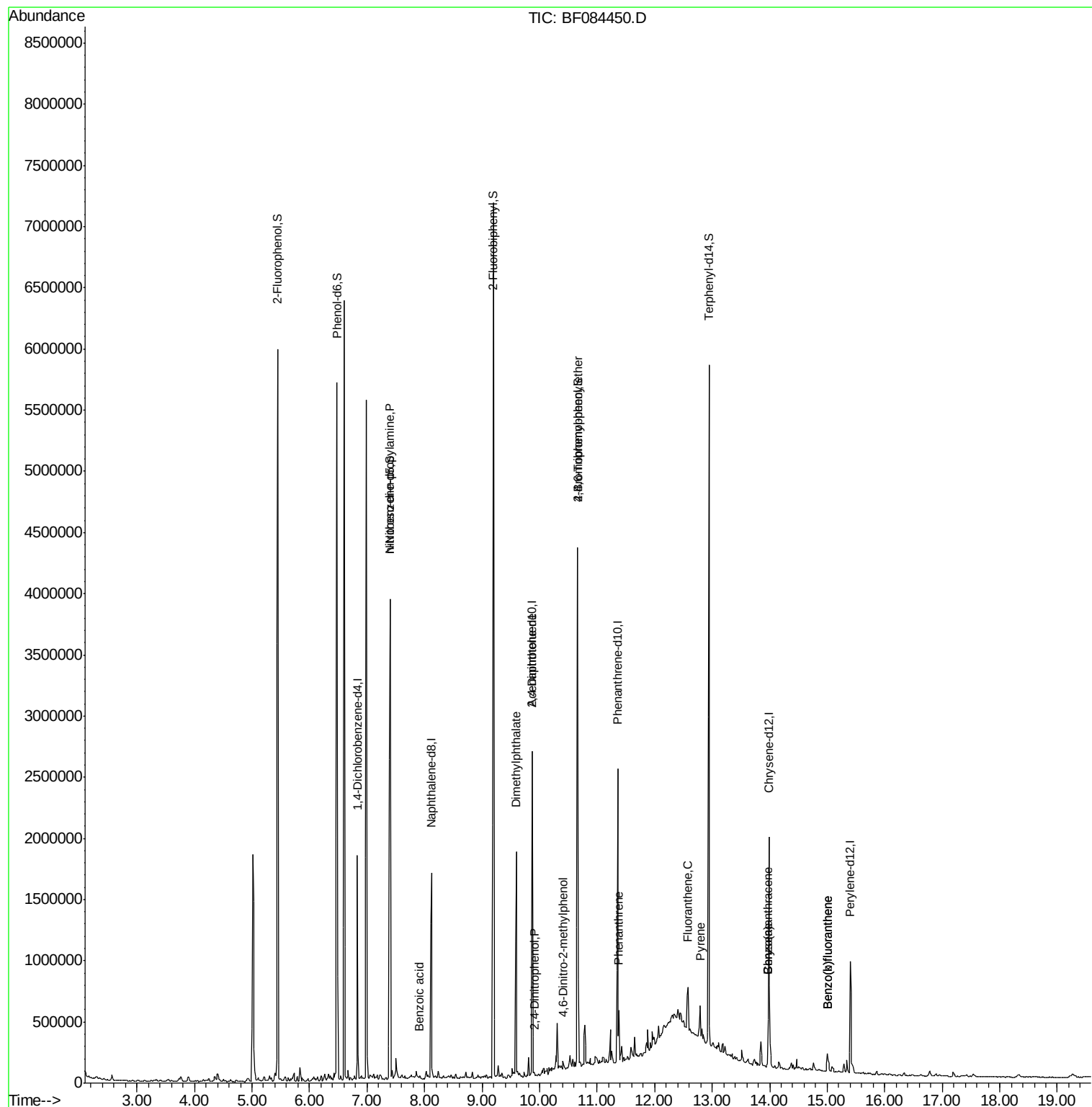
Target Compounds						Qvalue
19) n-Nitroso-di-n-propylamine	7.40	70	220682	17.25	ng	# 78
32) Benzoic acid	7.92	122	1411	6.36	ng	# 27
49) Dimethylphthalate	9.60	163	925348	26.49	ng	# 91
53) 2,4-Dinitrophenol	9.92	184	580	3.73	ng	# 44
54) Dibenzofuran	10.08	168	12706	Below	Cal	# 87
56) 2,4-Dinitrotoluene	9.87	165	65316	6.74	ng	# 21
57) Fluorene	10.42	166	10290	Below	Cal	# 88
64) 4,6-Dinitro-2-methylphenol	10.41	198	217	6.46	ng	# 1
66) 4-Bromophenyl-phenylether	10.66	248	31293	3.27	ng	# 1
70) Phenanthrene	11.38	178	171438	3.69	ng	99
73) Di-n-butylphthalate	11.93	149	9267	Below	Cal	# 84
74) Fluoranthene	12.58	202	200469	4.13	ng	93
77) Pyrene	12.80	202	167730	3.27	ng	99
80) Benzo(a)anthracene	13.97	228	100754	2.63	ng	97
82) Chrysene	13.97	228	100754	2.74	ng	95
87) Benzo(b)fluoranthene	15.00	252	101944	3.34	ng	# 94
88) Benzo(k)fluoranthene	15.00	252	101944	4.09	ng	98

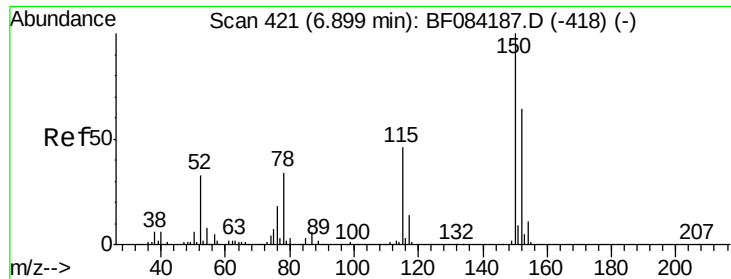
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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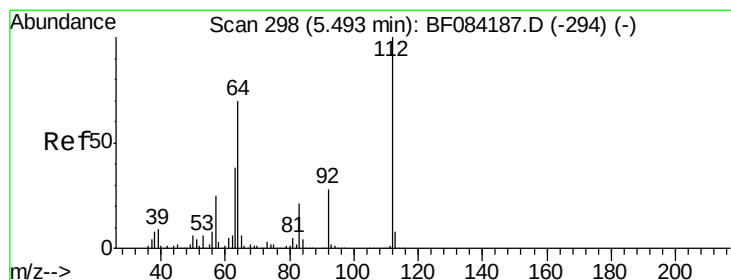
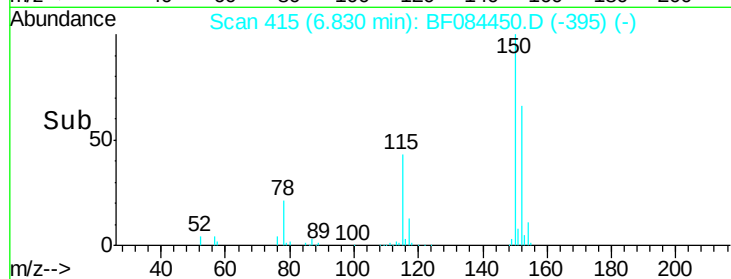
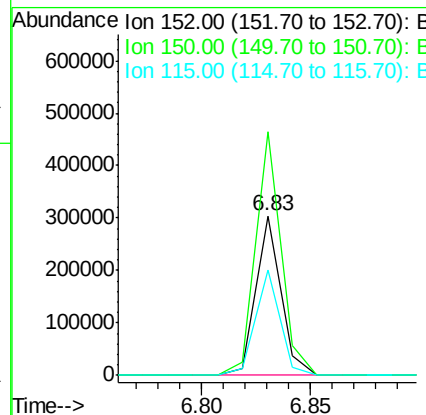
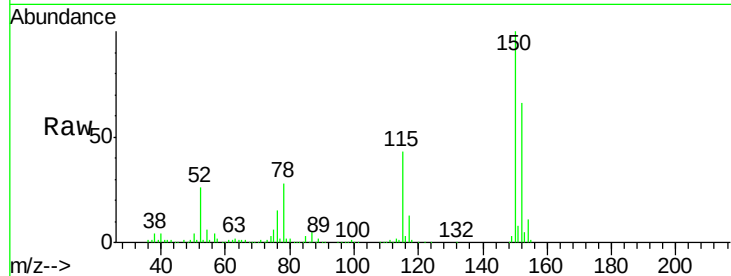


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.83 min Scan# 415
Delta R.T. -0.07 min
Lab File: BF084450.D
Acq: 13 Jan 2016 19:17

Instrument :
BNA_F
ClientSampleId :
WHRB1A

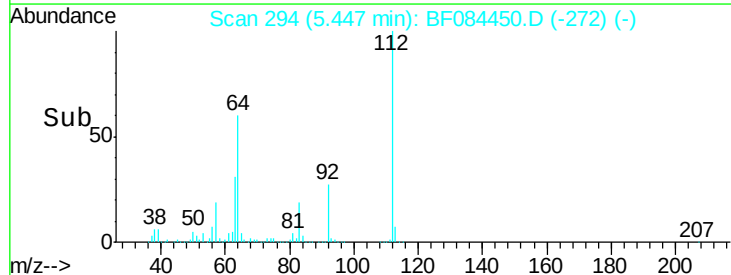
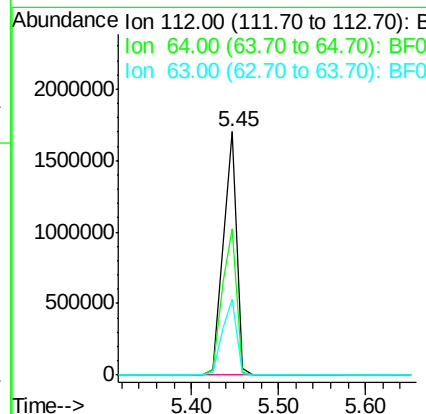
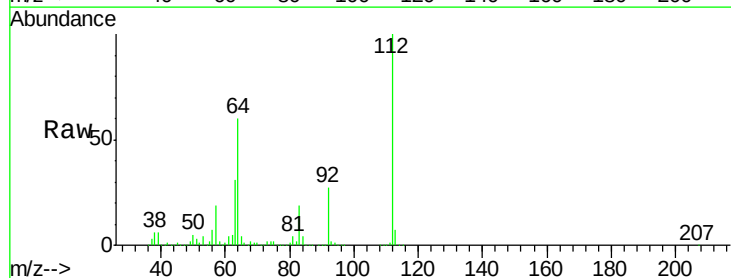
Tot Ion	Ratio	Lower	Upper
152	100		
150	152.5	123.0	184.4
115	66.1	51.4	77.2

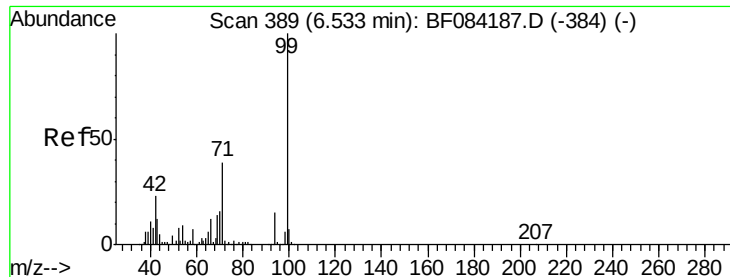


#5

2-Fluorophenol
Concen: 124.28 ng
RT: 5.45 min Scan# 294
Delta R.T. -0.04 min
Lab File: BF084450.D
Acq: 13 Jan 2016 19:17

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.2	36.6	55.0#
63	31.4	19.4	29.0#





#7

Phenol-d6

Concen: 107.01 ng

RT: 6.48 min Scan# 384

Delta R.T. -0.06 min

Lab File: BF084450.D

Acq: 13 Jan 2016 19:17

Instrument :

BNA_F

ClientSampled :

WHRB1A

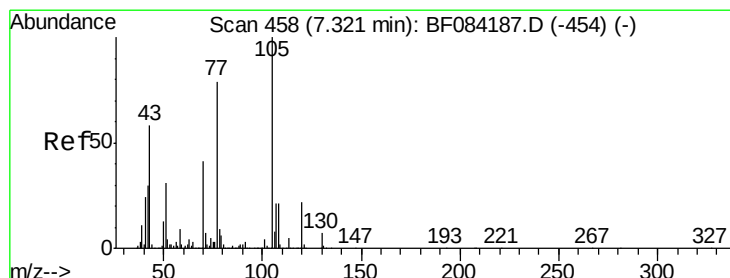
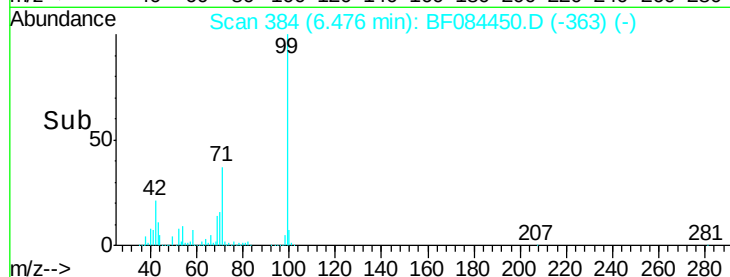
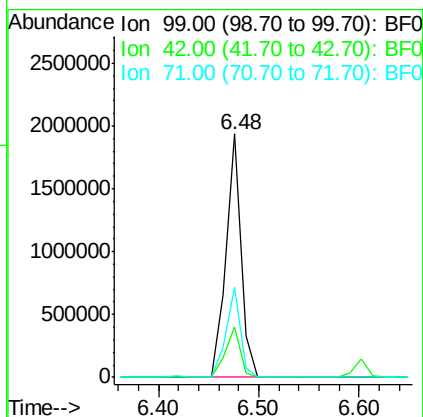
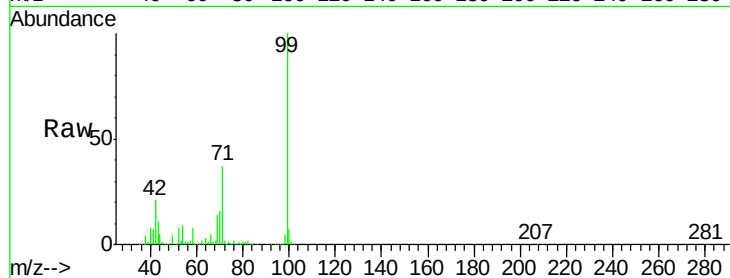
Tot Ion: 99 Resp: 2022052

Ion Ratio Lower Upper

99 100

42 20.8 12.8 19.2#

71 37.0 30.9 46.3



#19

n-Nitroso-di-n-propylamine

Concen: 17.25 ng

RT: 7.40 min Scan# 465

Delta R.T. 0.08 min

Lab File: BF084450.D

Acq: 13 Jan 2016 19:17

Tgt Ion: 70 Resp: 220682

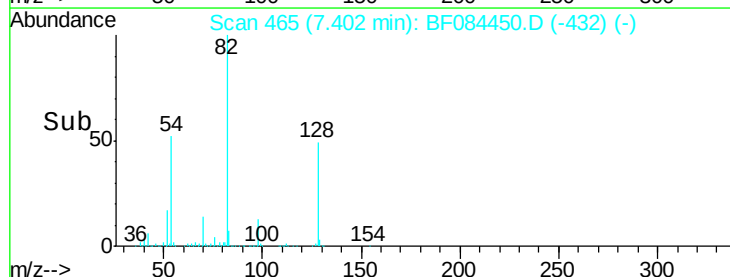
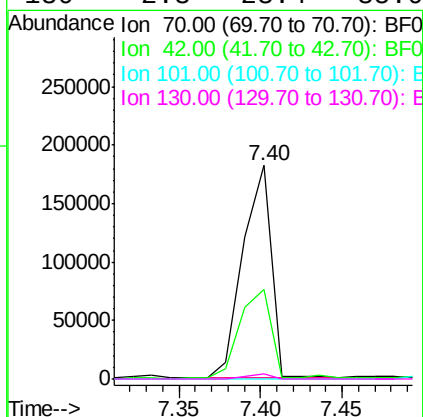
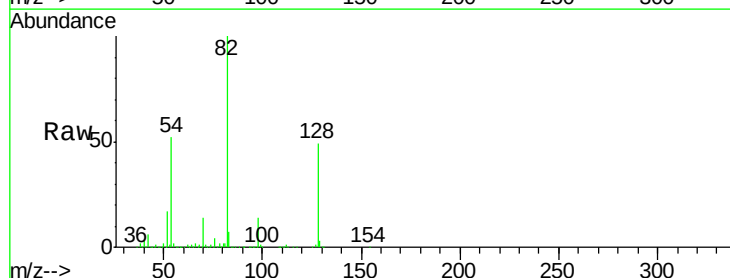
Ion Ratio Lower Upper

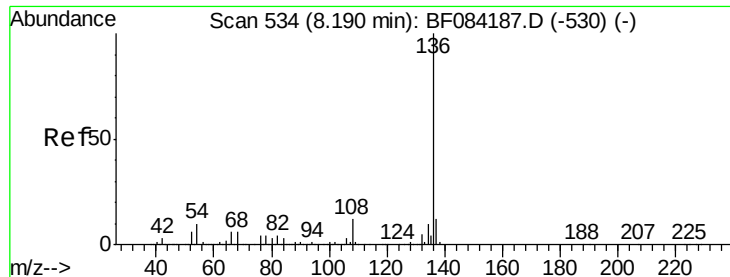
70 100

42 41.8 33.3 49.9

101 0.0 9.3 13.9#

130 2.3 23.4 35.0#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.12 min Scan# 528

Delta R.T. -0.07 min

Lab File: BF084450.D

Acq: 13 Jan 2016 19:17

Instrument :

BNA_F

ClientSampleId :

WHRB1A

Tot Ion:136 Resp: 1020124

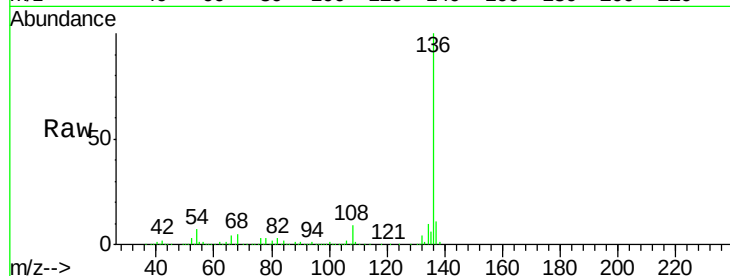
Ion Ratio Lower Upper

136 100

137 10.9 8.7 13.1

54 6.7 5.8 8.8

68 4.6 4.2 6.2

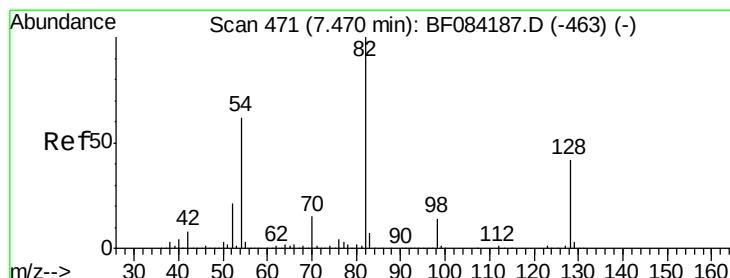
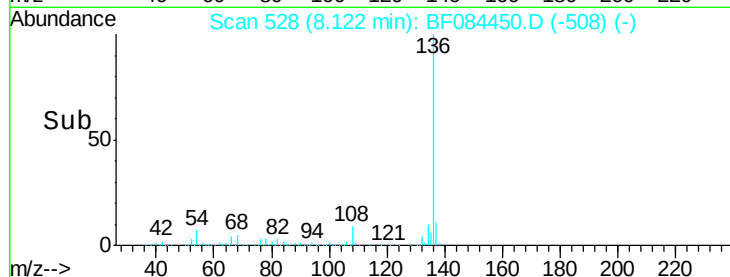
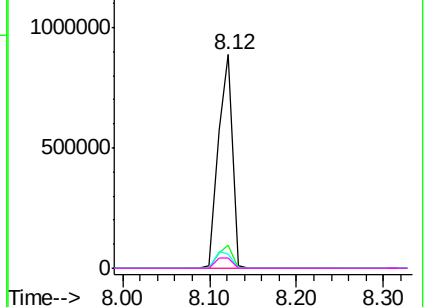


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#23

Nitrobenzene-d5

Concen: 85.88 ng

RT: 7.40 min Scan# 465

Delta R.T. -0.07 min

Lab File: BF084450.D

Acq: 13 Jan 2016 19:17

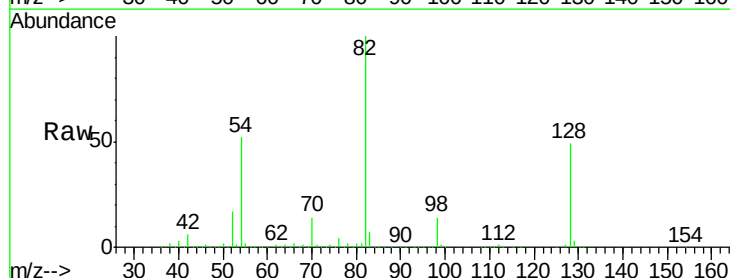
Tgt Ion: 82 Resp: 1574087

Ion Ratio Lower Upper

82 100

128 49.2 34.6 51.8

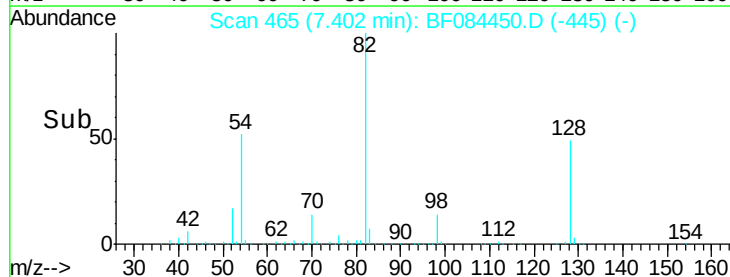
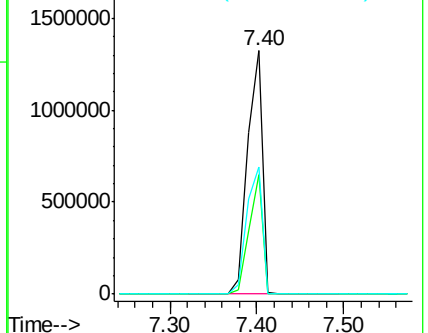
54 52.5 38.4 57.6

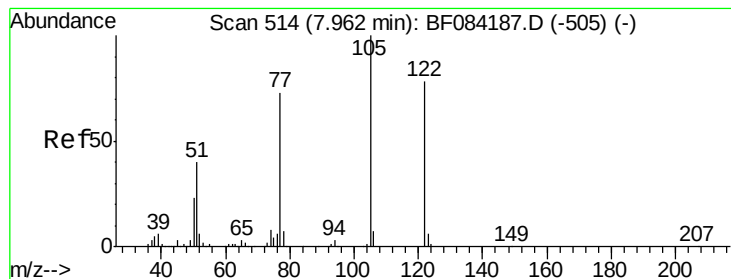


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#32

Benzoic acid

Concen: 6.36 ng

RT: 7.92 min Scan# 510

Delta R.T. -0.04 min

Lab File: BF084450.D

Acq: 13 Jan 2016 19:17

Instrument :

BNA_F

ClientSampleId :

WHRB1A

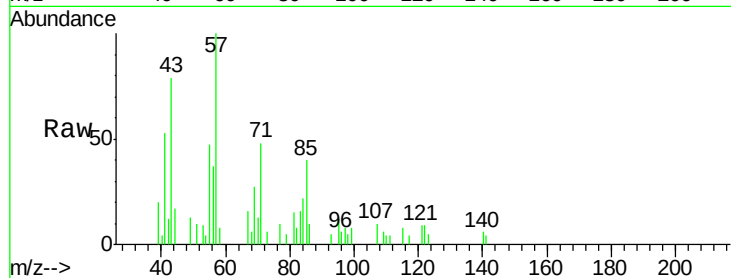
Tot Ion:122 Resp: 1411

Ion Ratio Lower Upper

122 100

105 0.0 100.3 140.3#

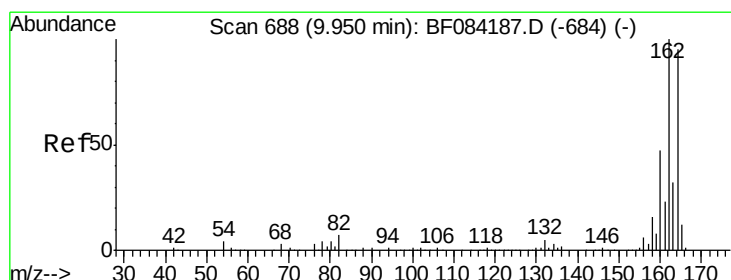
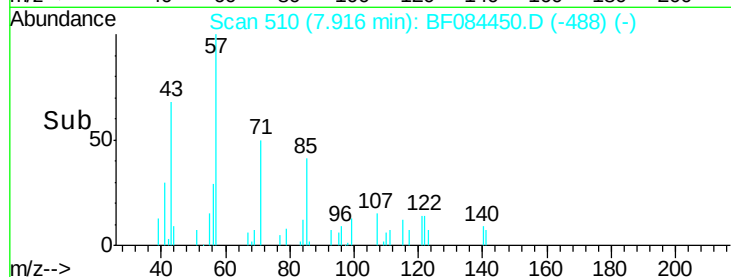
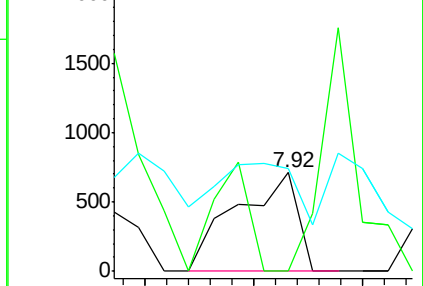
77 103.5 63.5 103.5#



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.87 min Scan# 681

Delta R.T. -0.08 min

Lab File: BF084450.D

Acq: 13 Jan 2016 19:17

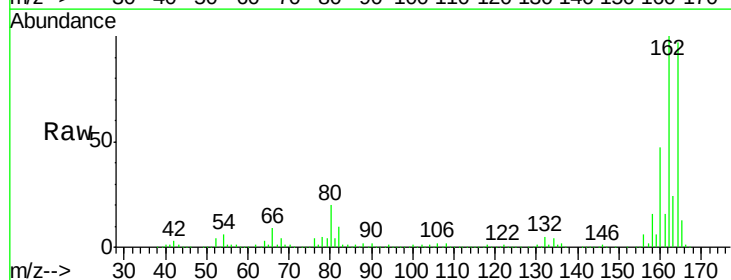
Tgt Ion:164 Resp: 488680

Ion Ratio Lower Upper

164 100

162 103.3 85.1 127.7

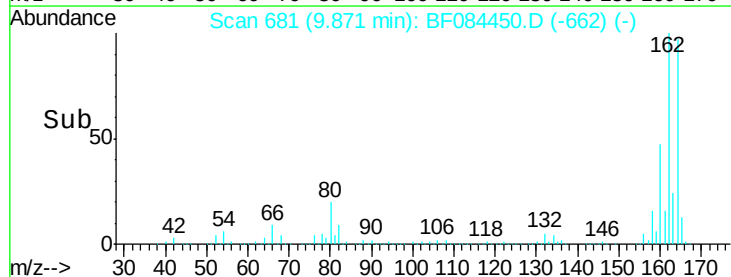
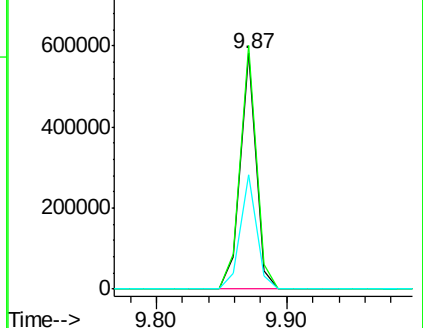
160 48.4 37.5 56.3

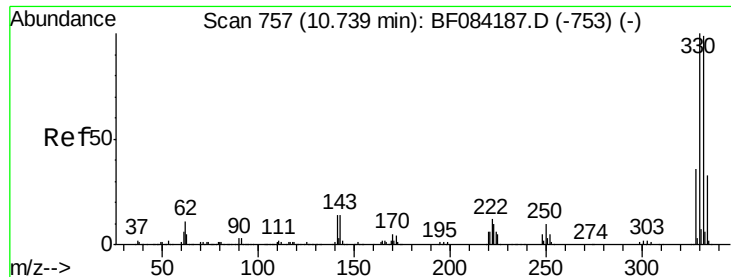


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

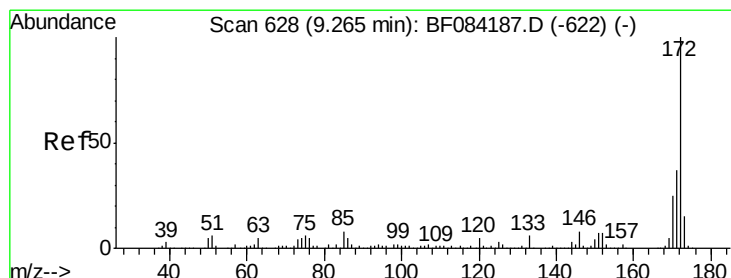
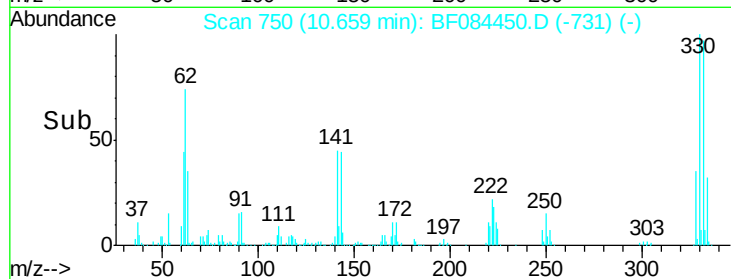
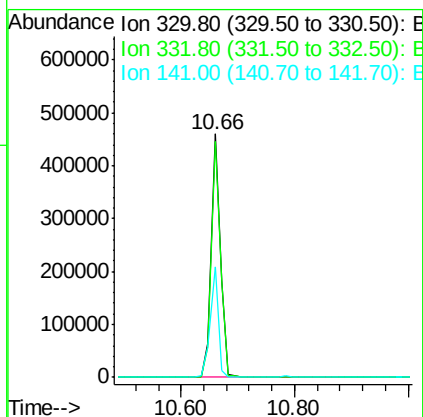
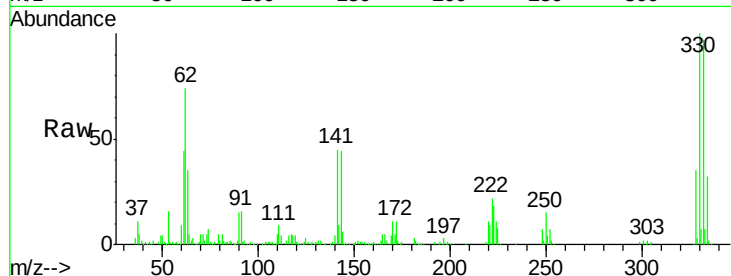




#41
 2,4,6-Tribromophenol
 Concen: 100.30 ng
 RT: 10.66 min Scan# 750
 Delta R.T. -0.08 min
 Lab File: BF084450.D
 Acq: 13 Jan 2016 19:17

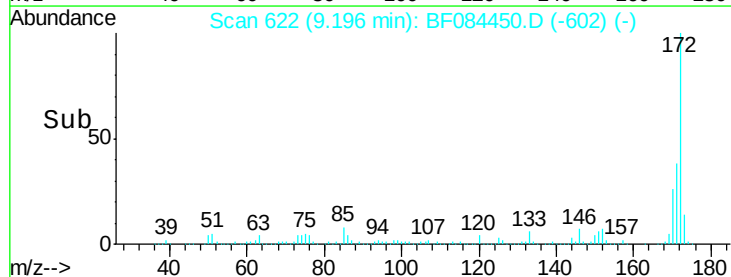
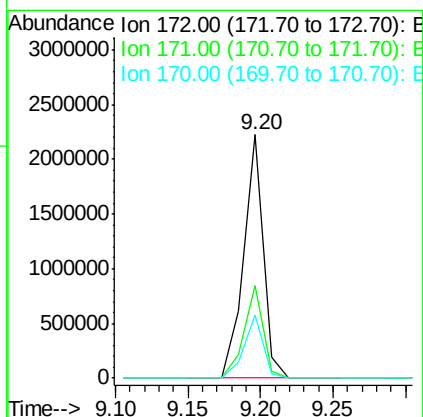
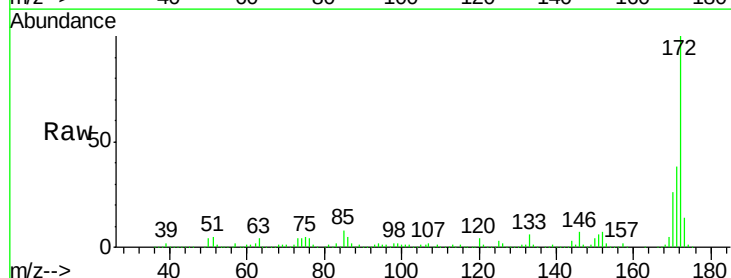
Instrument :
 BNA_F
 ClientSampleId :
 WHRB1A

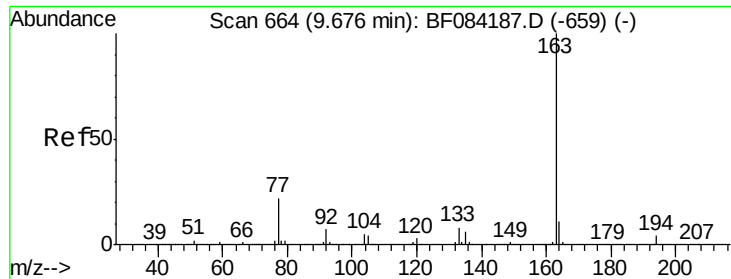
Tot Ion	Ratio	Lower	Upper
330	100		
332	96.6	76.6	114.8
141	39.1	27.8	41.6



#44
 2-Fluorobiphenyl
 Concen: 74.40 ng
 RT: 9.20 min Scan# 622
 Delta R.T. -0.07 min
 Lab File: BF084450.D
 Acq: 13 Jan 2016 19:17

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.9	28.9	43.3
170	26.0	18.6	27.8





#49

Dimethylphthalate

Concen: 26.49 ng

RT: 9.60 min Scan# 657

Delta R.T. -0.08 min

Lab File: BF084450.D

Acq: 13 Jan 2016 19:17

Instrument :

BNA_F

ClientSampleId :

WHRB1A

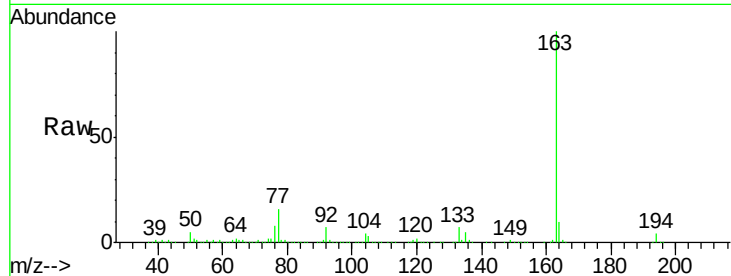
Tot Ion:163 Resp: 925348

Ion Ratio Lower Upper

163 100

194 3.7 8.0 12.0#

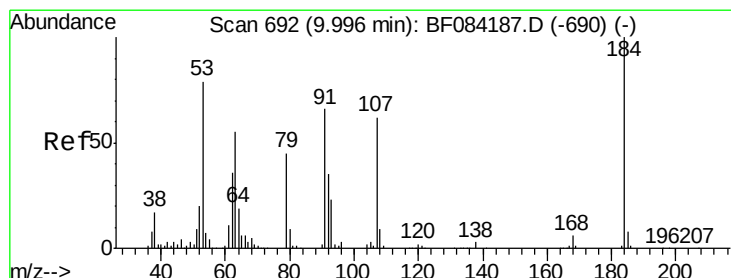
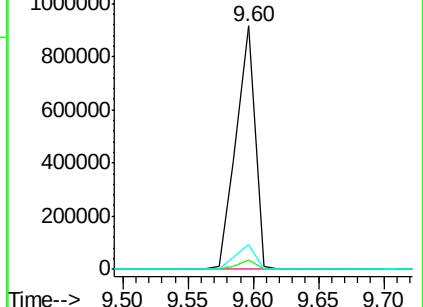
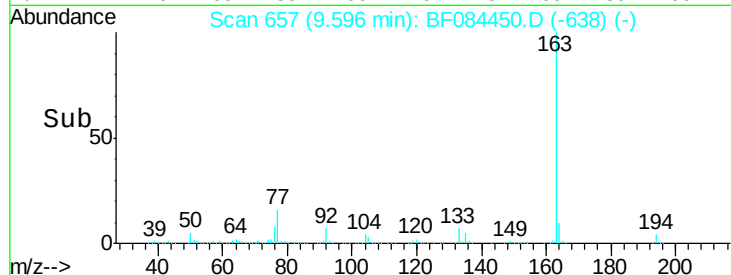
164 10.0 8.0 12.0



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



#53

2,4-Dinitrophenol

Concen: 3.73 ng

RT: 9.92 min Scan# 685

Delta R.T. -0.08 min

Lab File: BF084450.D

Acq: 13 Jan 2016 19:17

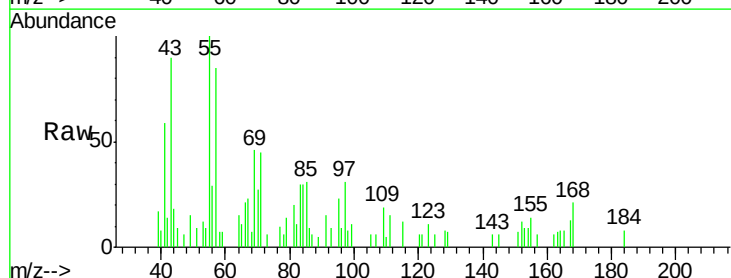
Tgt Ion:184 Resp: 580

Ion Ratio Lower Upper

184 100

63 0.0 43.1 64.7#

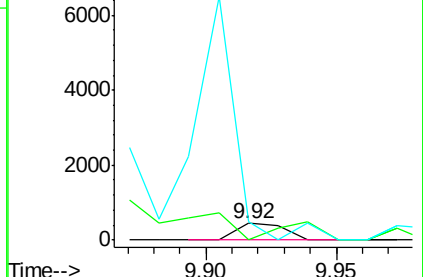
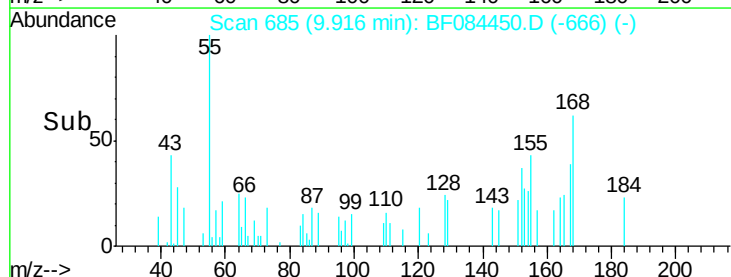
154 111.9 60.5 90.7#

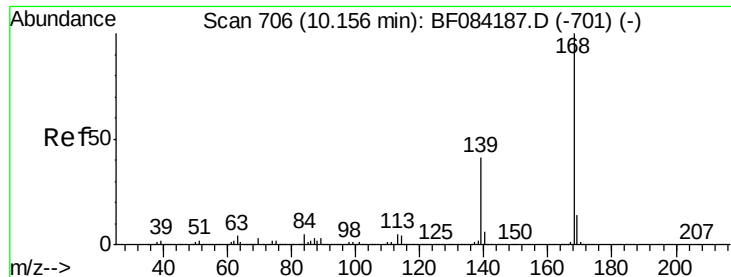


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 154.00 (153.70 to 154.70): E





#54

Dibenzofuran

Concen: Below Cal

RT: 10.08 min Scan# 699

Delta R.T. -0.08 min

Lab File: BF084450.D

Acq: 13 Jan 2016 19:17

Instrument :

BNA_F

ClientSampleId :

WHRB1A

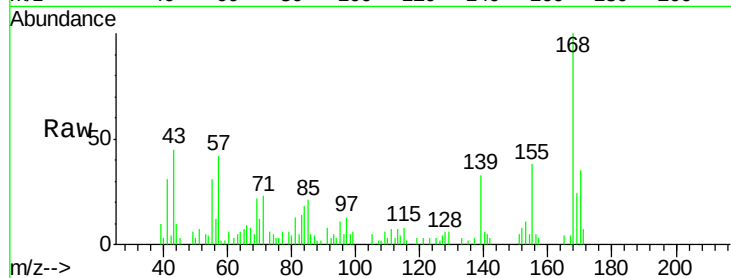
Tot Ion:168 Resp: 12706

Ion Ratio Lower Upper

168 100

139 33.4 30.5 45.7

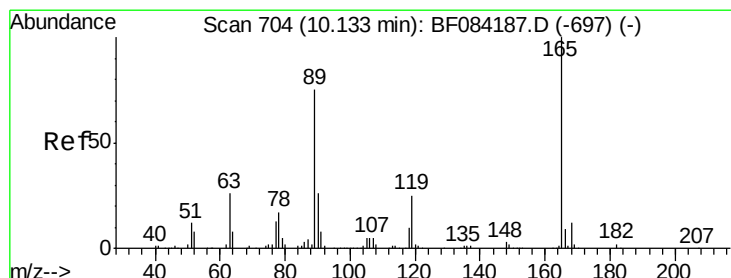
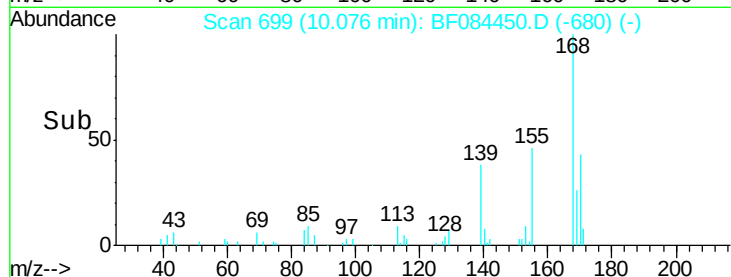
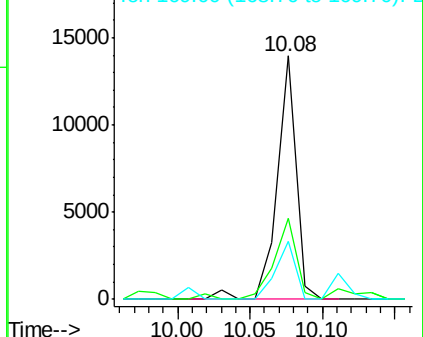
169 23.9 10.4 15.6#



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#56

2,4-Dinitrotoluene

Concen: 6.74 ng

RT: 9.87 min Scan# 681

Delta R.T. -0.26 min

Lab File: BF084450.D

Acq: 13 Jan 2016 19:17

Tgt Ion:165 Resp: 65316

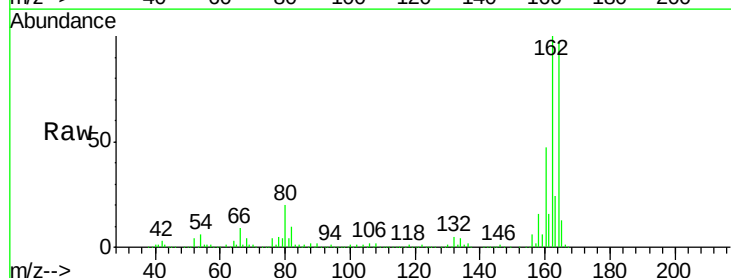
Ion Ratio Lower Upper

165 100

63 1.4 36.7 55.1#

89 1.3 61.9 92.9#

182 0.0 2.0 3.0#

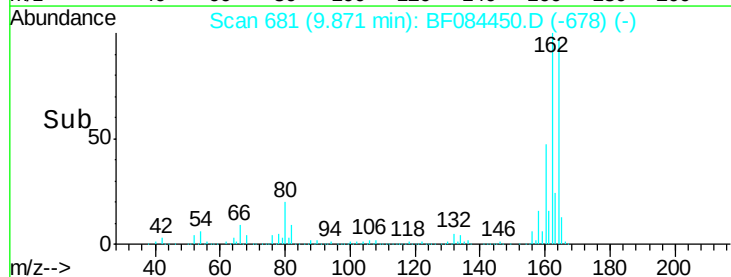
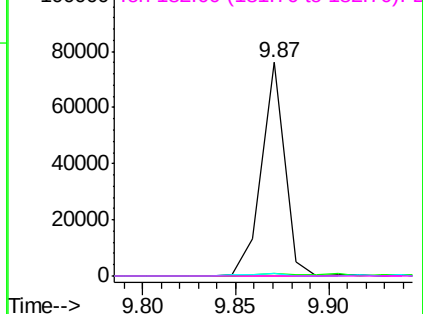


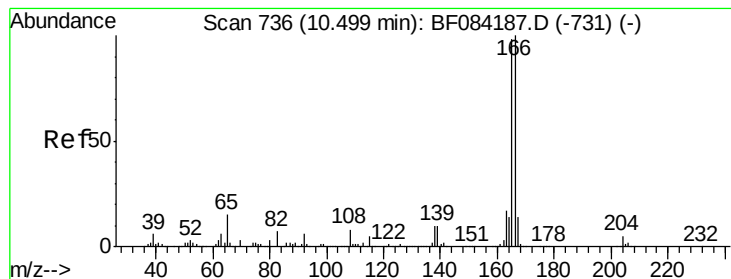
Abundance Ion 165.00 (164.70 to 165.70): E

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





#57

Fluorene

Concen: Below Cal

RT: 10.42 min Scan# 729

Delta R.T. -0.08 min

Lab File: BF084450.D

Acq: 13 Jan 2016 19:17

Instrument :

BNA_F

ClientSampled :

WHRB1A

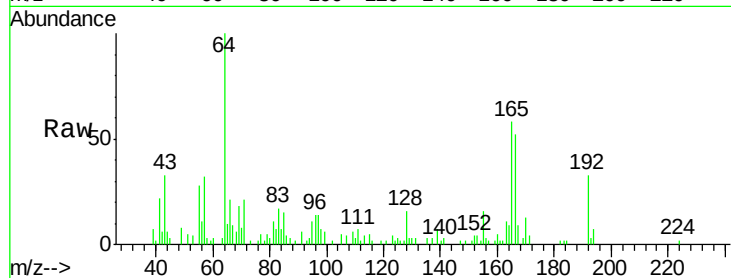
Tot Ion:166 Resp: 10290

Ion Ratio Lower Upper

166 100

165 110.7 79.1 118.7

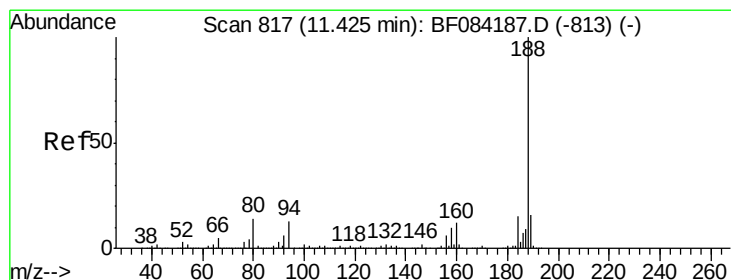
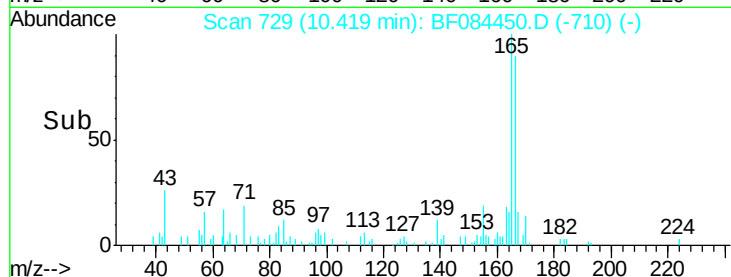
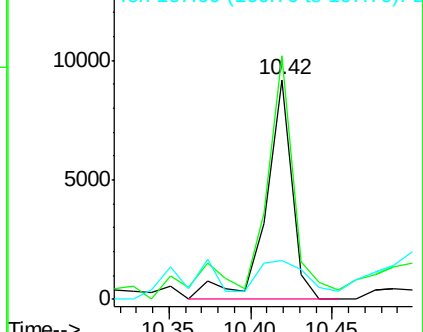
167 17.5 10.4 15.6#



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.36 min Scan# 811

Delta R.T. -0.07 min

Lab File: BF084450.D

Acq: 13 Jan 2016 19:17

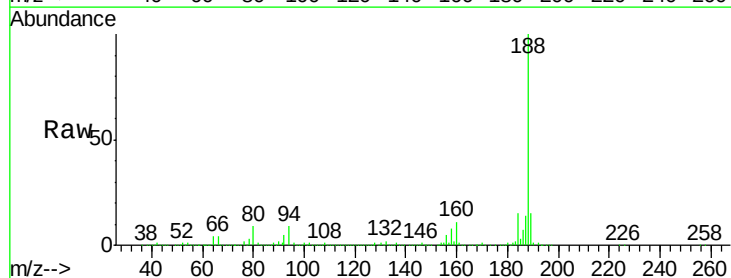
Tgt Ion:188 Resp: 888318

Ion Ratio Lower Upper

188 100

94 8.7 9.0 13.4#

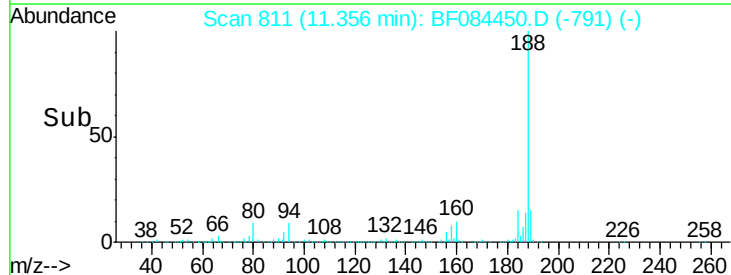
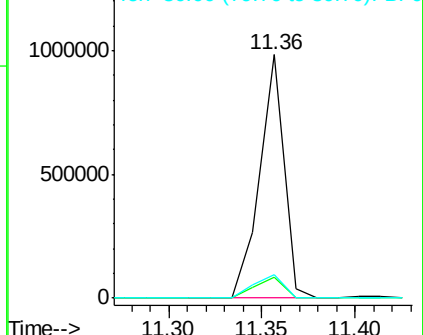
80 9.5 9.6 14.4#

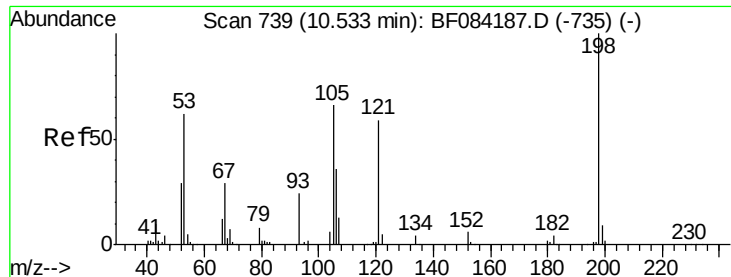


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

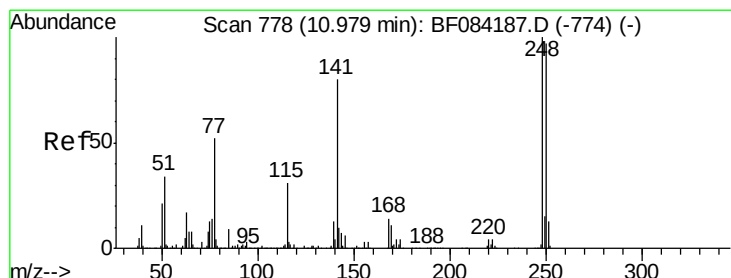
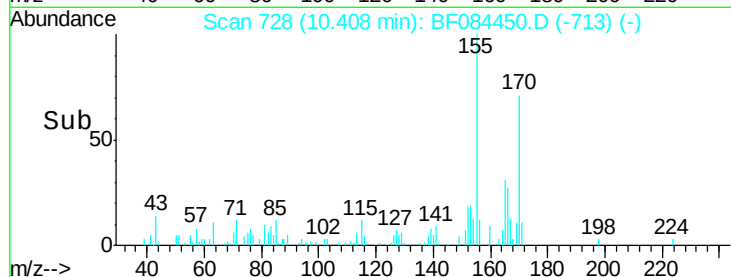
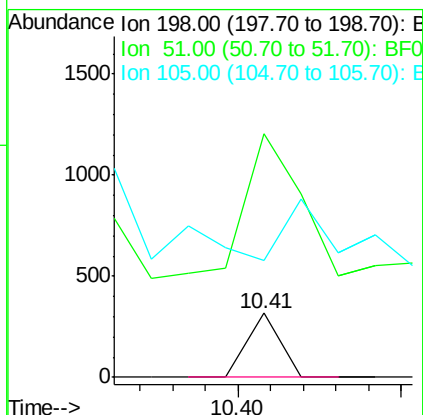
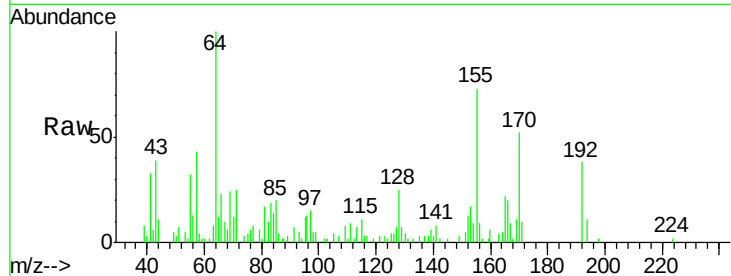




#64
 4,6-Dinitro-2-methylphenol
 Concen: 6.46 ng
 RT: 10.41 min Scan# 728
 Delta R.T. -0.13 min
 Lab File: BF084450.D
 Acq: 13 Jan 2016 19:17

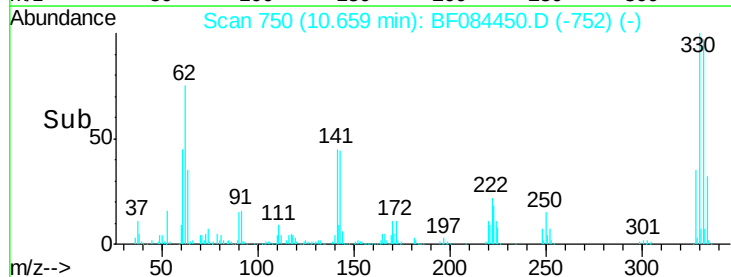
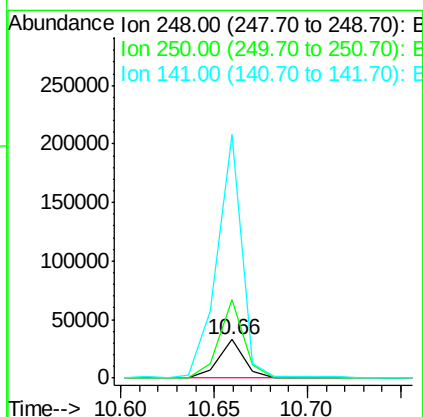
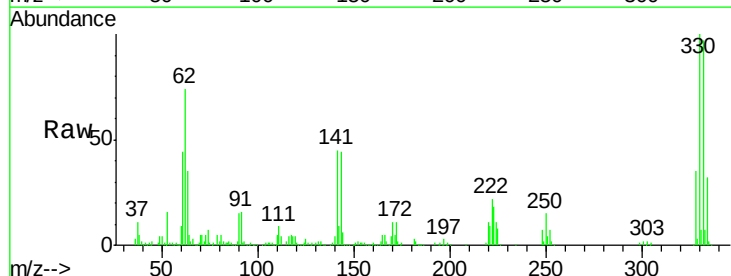
Instrument :
 BNA_F
 ClientSampleId :
 WHRB1A

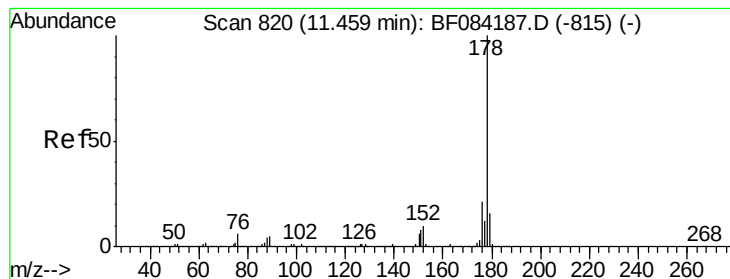
Tot Ion:198 Resp: 217
 Ion Ratio Lower Upper
 198 100
 51 379.8 18.9 58.9#
 105 183.0 26.4 66.4#



#66
 4-Bromophenyl-phenylether
 Concen: 3.27 ng
 RT: 10.66 min Scan# 750
 Delta R.T. -0.32 min
 Lab File: BF084450.D
 Acq: 13 Jan 2016 19:17

Tgt Ion:248 Resp: 31293
 Ion Ratio Lower Upper
 248 100
 250 201.8 78.4 117.6#
 141 628.3 44.0 66.0#





#70

Phenanthrene

Concen: 3.69 ng

RT: 11.38 min Scan# 813

Delta R.T. -0.08 min

Lab File: BF084450.D

Acq: 13 Jan 2016 19:17

Instrument :

BNA_F

ClientSampleId :

WHRB1A

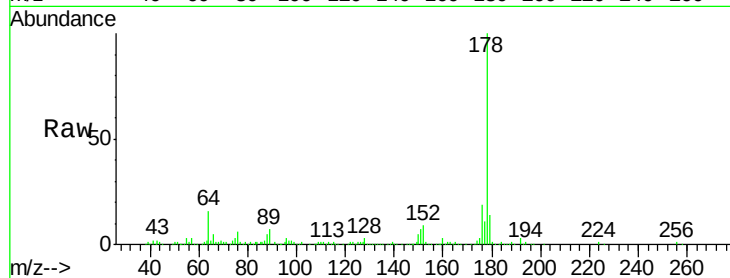
Tot Ion:178 Resp: 171438

Ion Ratio Lower Upper

178 100

176 18.6 15.3 22.9

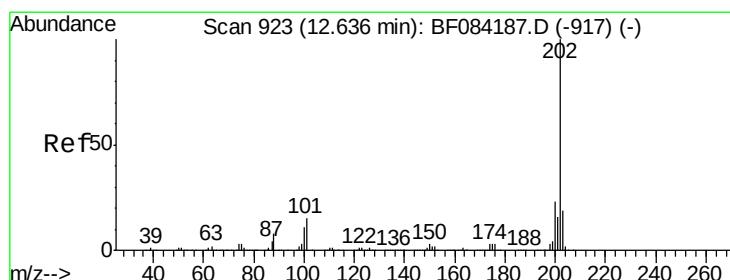
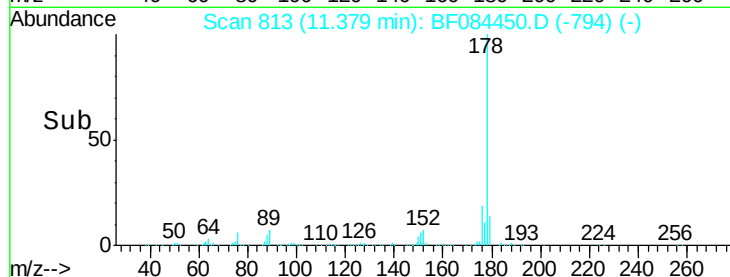
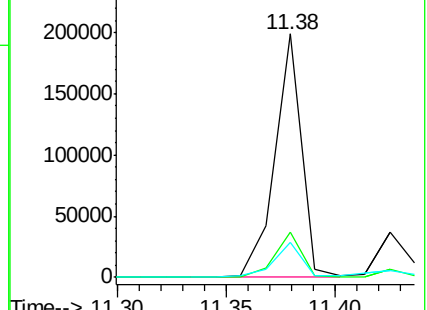
179 14.4 12.0 18.0



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#74

Fluoranthene

Concen: 4.13 ng

RT: 12.58 min Scan# 918

Delta R.T. -0.06 min

Lab File: BF084450.D

Acq: 13 Jan 2016 19:17

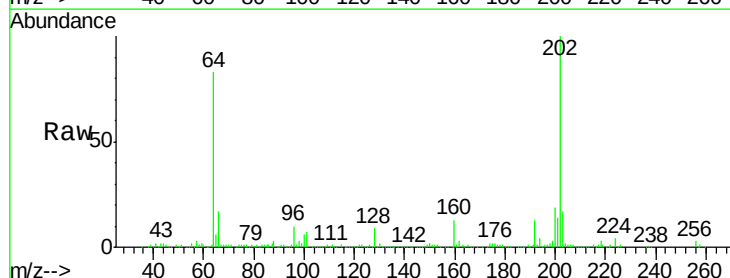
Tgt Ion:202 Resp: 200469

Ion Ratio Lower Upper

202 100

101 7.4 0.0 32.8

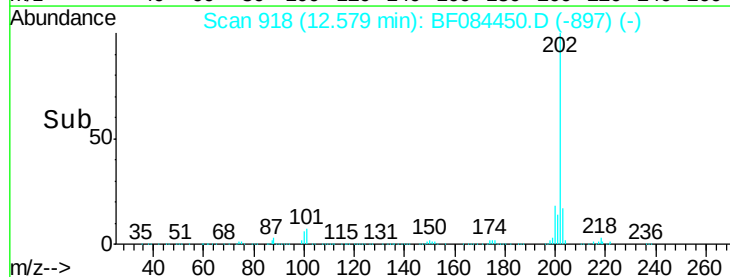
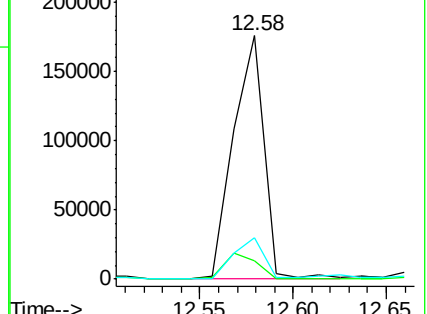
203 16.9 0.0 37.9

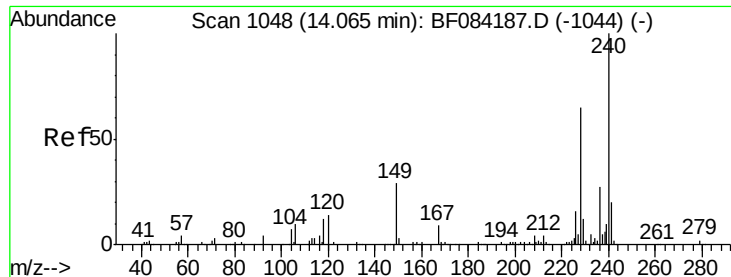


Abundance Ion 202.00 (201.70 to 202.70): E

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: 13.99 min Scan# 1041

Delta R.T. -0.08 min

Lab File: BF084450.D

Acq: 13 Jan 2016 19:17

Instrument :

BNA_F

ClientSampleId :

WHRB1A

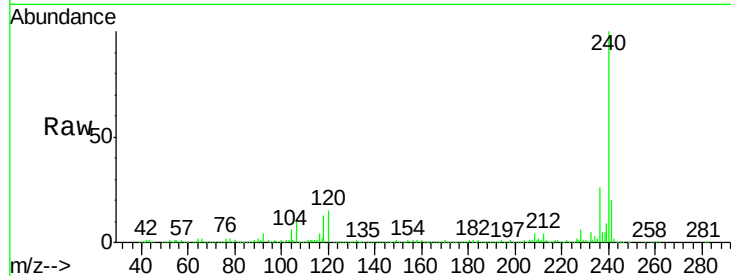
Tot Ion:240 Resp: 652746

Ion Ratio Lower Upper

240 100

120 15.3 9.5 14.3#

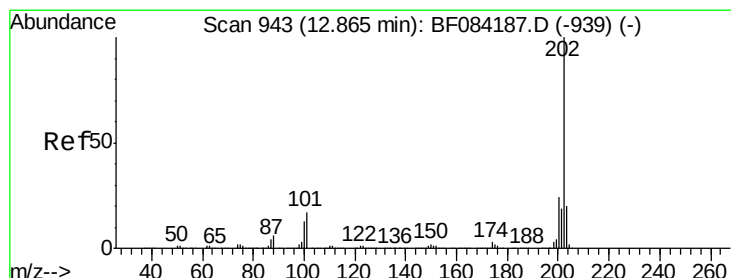
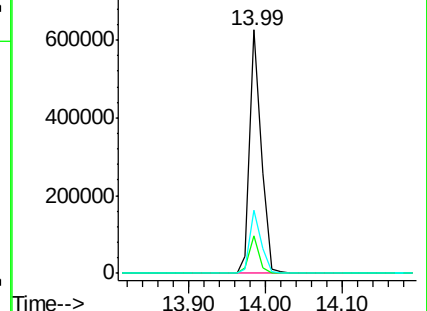
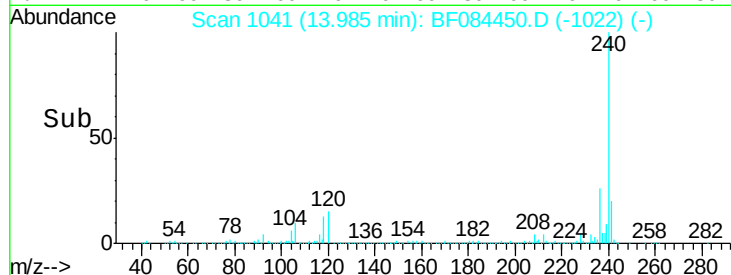
236 25.8 20.6 31.0



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 3.27 ng

RT: 12.80 min Scan# 937

Delta R.T. -0.07 min

Lab File: BF084450.D

Acq: 13 Jan 2016 19:17

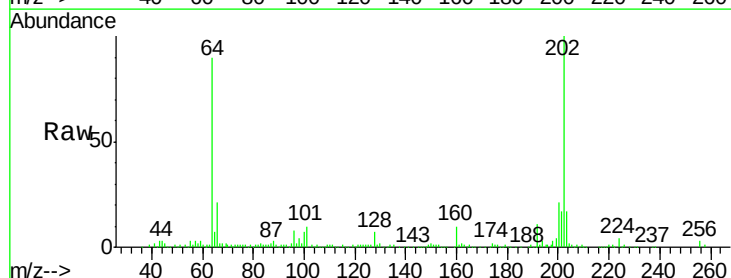
Tgt Ion:202 Resp: 167730

Ion Ratio Lower Upper

202 100

200 21.2 17.2 25.8

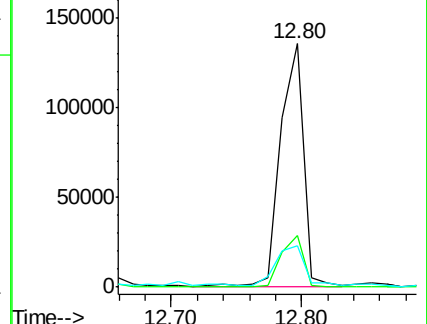
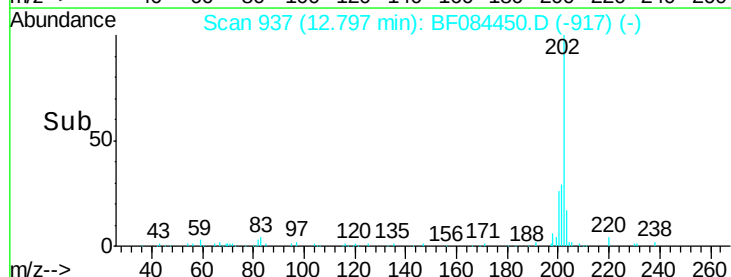
203 17.2 14.3 21.5

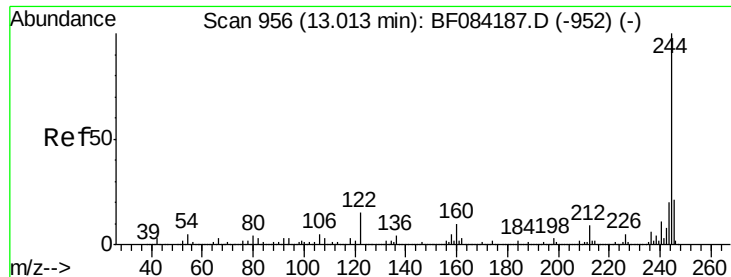


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 64.94 ng

RT: 12.95 min Scan# 950

Delta R.T. -0.07 min

Lab File: BF084450.D

Acq: 13 Jan 2016 19:17

Instrument :

BNA_F

ClientSampleId :

WHRB1A

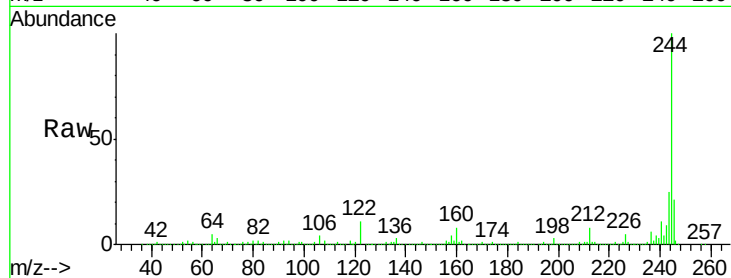
Tot Ion:244 Resp: 1899040

Ion Ratio Lower Upper

244 100

212 7.6 5.7 8.5

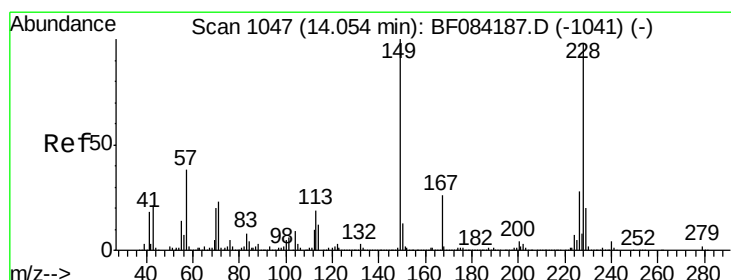
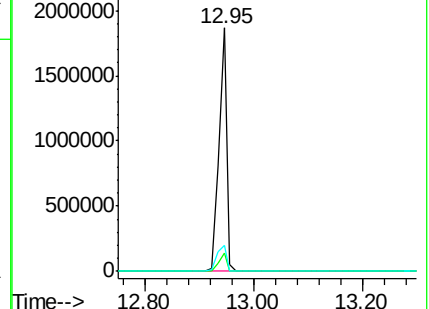
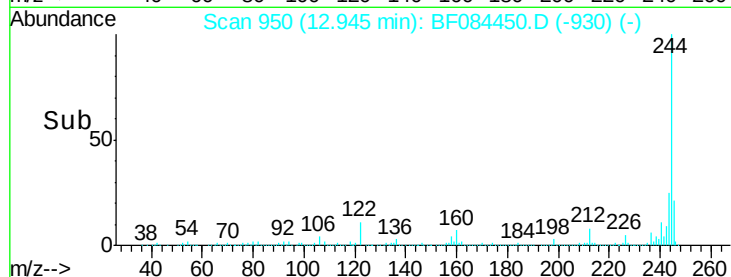
122 10.8 7.4 11.0



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Benzo(a)anthracene

Concen: 2.63 ng

RT: 13.97 min Scan# 1040

Delta R.T. -0.08 min

Lab File: BF084450.D

Acq: 13 Jan 2016 19:17

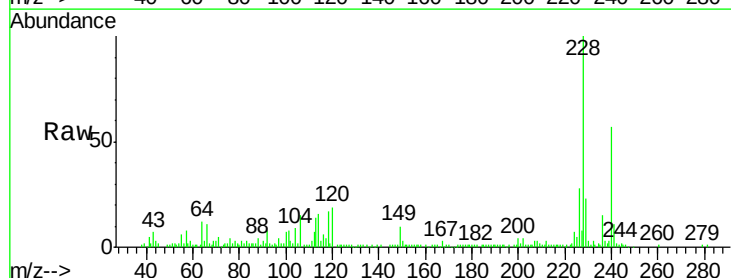
Tgt Ion:228 Resp: 100754

Ion Ratio Lower Upper

228 100

226 27.6 21.8 32.6

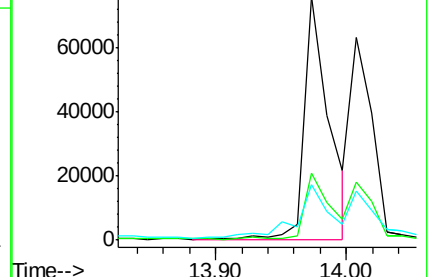
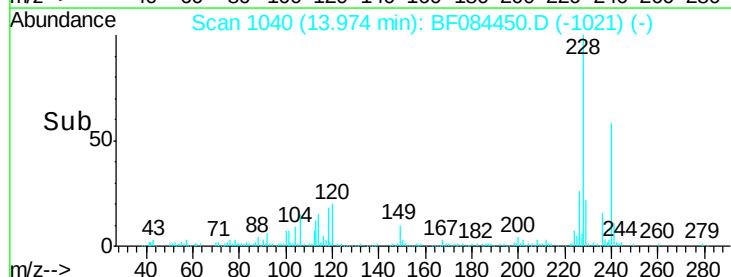
229 22.8 15.8 23.8

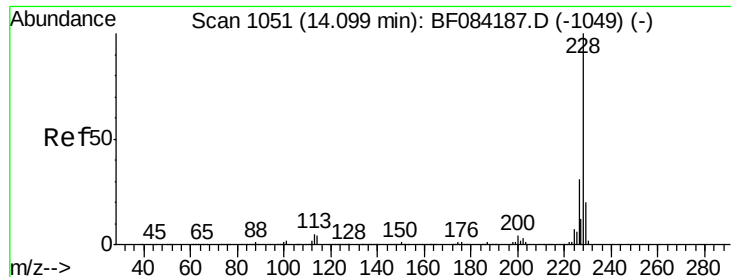


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

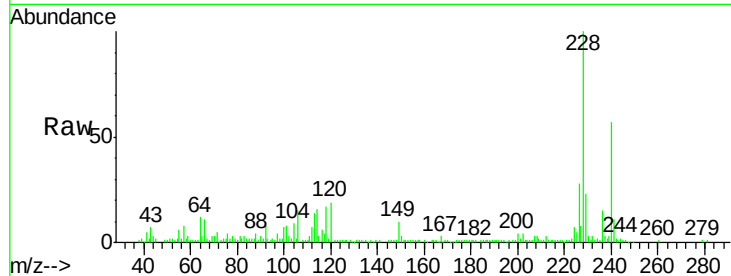




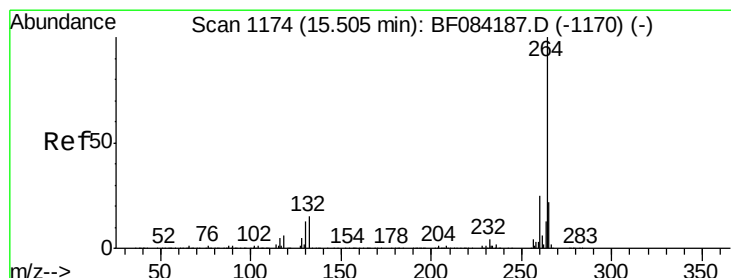
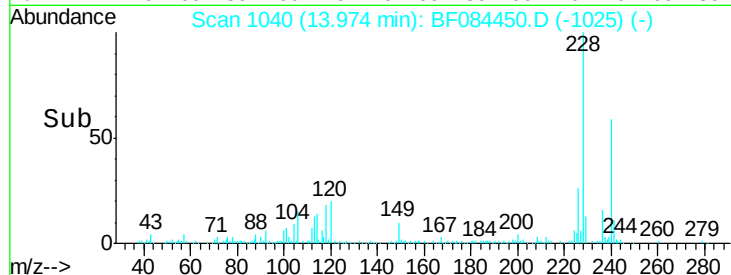
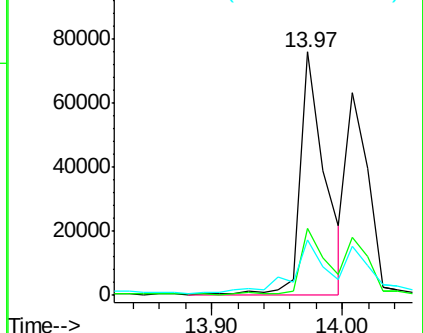
#82
Chrysene
Concen: 2.74 ng
RT: 13.97 min Scan# 1040
Delta R.T. -0.13 min
Lab File: BF084450.D
Acq: 13 Jan 2016 19:17

Instrument :
BNA_F
ClientSampleId :
WHRB1A

Tot Ion:228 Resp: 100754
Ion Ratio Lower Upper
228 100
226 27.6 24.3 36.5
229 22.8 16.1 24.1

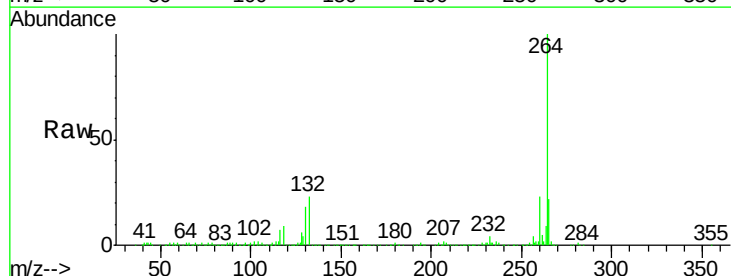


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

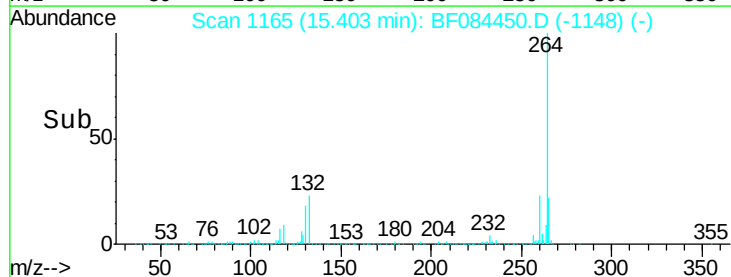
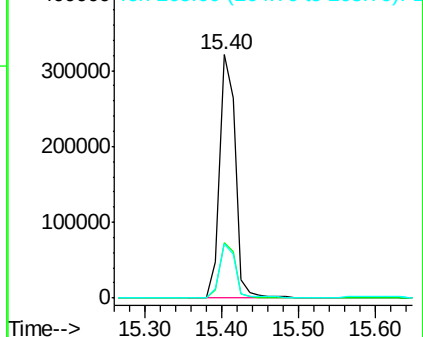


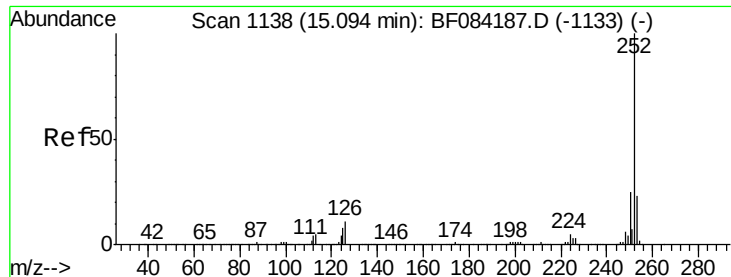
#86
Perylene-d12
Concen: 20.00 ng
RT: 15.40 min Scan# 1165
Delta R.T. -0.10 min
Lab File: BF084450.D
Acq: 13 Jan 2016 19:17

Tgt Ion:264 Resp: 466182
Ion Ratio Lower Upper
264 100
260 22.7 19.4 29.2
265 22.2 17.8 26.6



Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 3.34 ng

RT: 15.00 min Scan# 1130

Delta R.T. -0.09 min

Lab File: BF084450.D

Acq: 13 Jan 2016 19:17

Instrument :

BNA_F

ClientSampleId :

WHRB1A

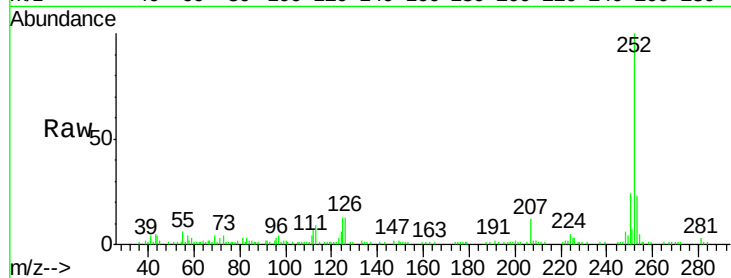
Tot Ion:252 Resp: 101944

Ion Ratio Lower Upper

252 100

253 23.1 17.3 25.9

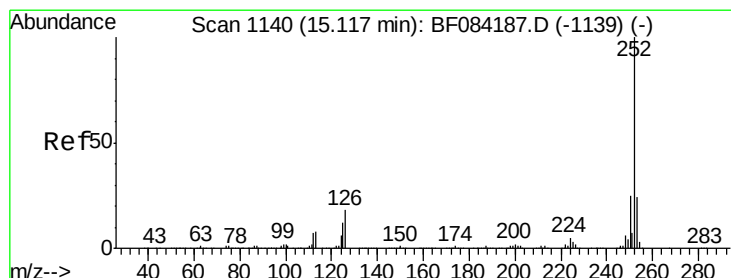
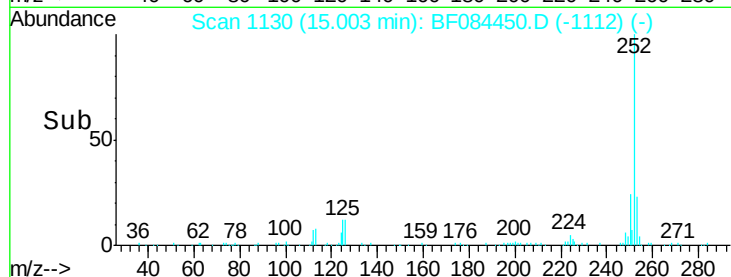
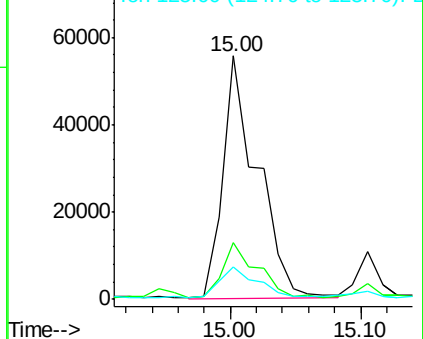
125 13.4 6.5 9.7#



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: 4.09 ng

RT: 15.00 min Scan# 1130

Delta R.T. -0.11 min

Lab File: BF084450.D

Acq: 13 Jan 2016 19:17

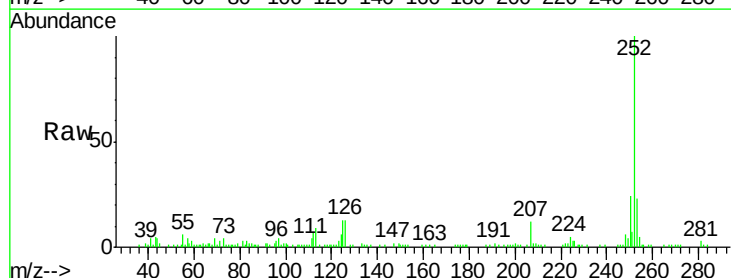
Tgt Ion:252 Resp: 101944

Ion Ratio Lower Upper

252 100

253 23.1 18.1 27.1

125 13.4 9.0 13.6



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

