

Data Path : U:\HPCHEM1\BNA F\DATA\BF011516\
 Data File : BF084502.D
 Acq On : 15 Jan 2016 20:30
 Operator : SJ/UM
 Sample : H1127-03
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 16 01:36:22 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF123115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Jan 16 01:26:38 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	277818	20.00	ng	0.00
21) Naphthalene-d8	8.11	136	1168125	20.00	ng	0.00
38) Acenaphthene-d10	9.86	164	482352	20.00	ng	-0.01
63) Phenanthrene-d10	11.34	188	822878	20.00	ng	0.00
75) Chrysene-d12	13.98	240	635157	20.00	ng	0.00
86) Perylene-d12	15.40	264	566679	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.44	112	1965591	114.44	ng	0.01
7) Phenol-d6	6.48	99	2891038	134.02	ng	0.01
23) Nitrobenzene-d5	7.39	82	1724857	82.18	ng	0.00
41) 2,4,6-Tribromophenol	10.66	330	628830	129.13	ng	0.00
44) 2-Fluorobiphenyl	9.20	172	2616258	96.25	ng	0.00
78) Terphenyl-d14	12.93	244	1743871	61.29	ng	0.00

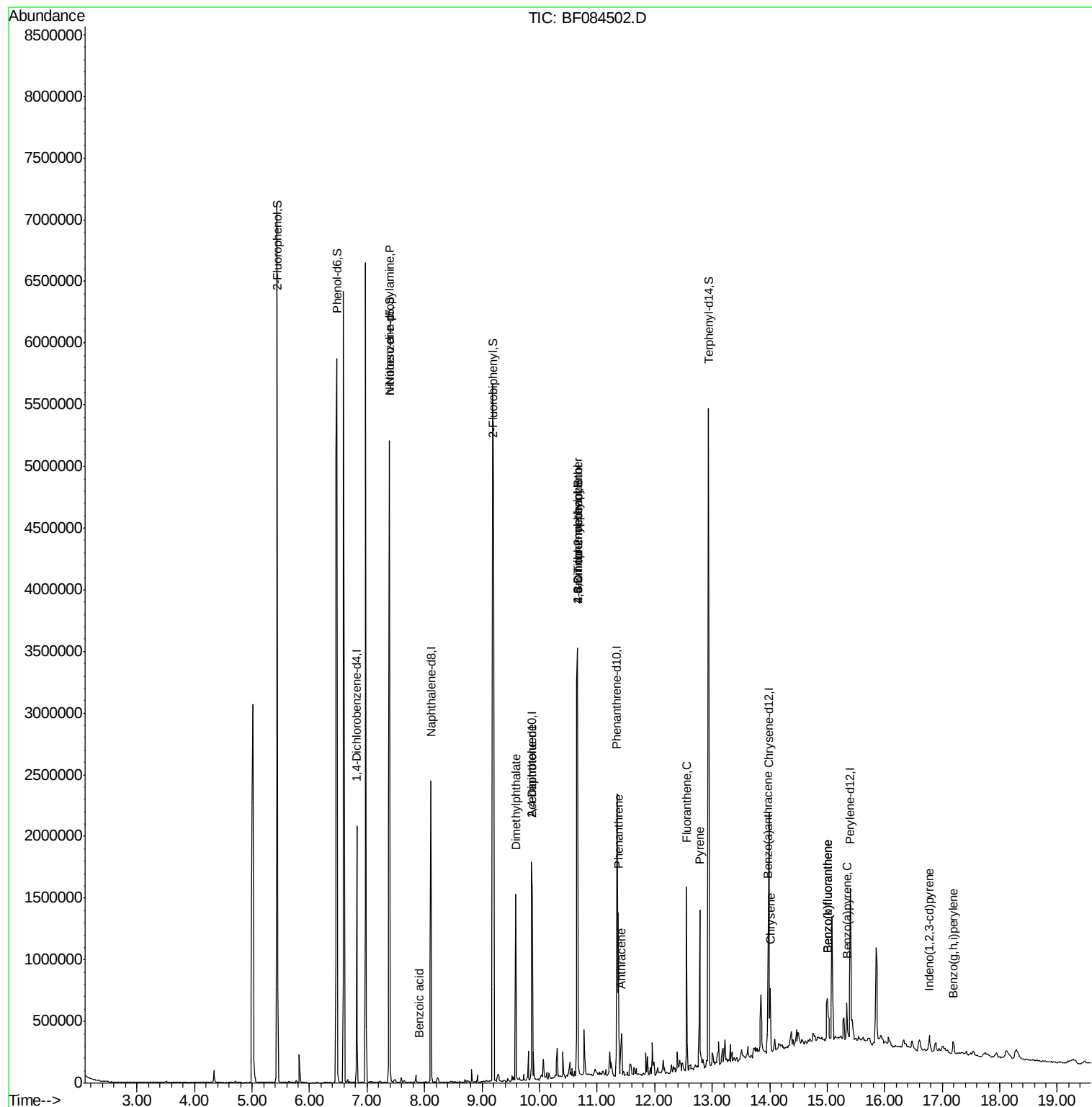
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.39	70	242154	16.58	ng	# 72
32) Benzoic acid	7.90	122	321	6.27	ng	# 29
49) Dimethylphthalate	9.58	163	542773	15.74	ng	# 90
54) Dibenzofuran	10.06	168	47661	Below Cal		99
56) 2,4-Dinitrotoluene	9.86	165	63705	6.66	ng	# 22
57) Fluorene	10.41	166	55828	Below Cal		100
64) 4,6-Dinitro-2-methylphenol	10.66	198	1804	6.69	ng	# 4
66) 4-Bromophenyl-phenylether	10.66	248	40387	4.56	ng	# 1
70) Phenanthrene	11.37	178	491305	11.41	ng	99
71) Anthracene	11.42	178	166683	3.95	ng	96
73) Di-n-butylphthalate	11.92	149	4335	Below Cal	#	73
74) Fluoranthene	12.56	202	554766	12.34	ng	99
77) Pvrene	12.78	202	512230	10.28	ng	99
80) Benzo(a)anthracene	13.97	228	259803	6.97	ng	96
82) Chrysene	14.01	228	161864	4.52	ng	97
85) Indeno(1,2,3-cd)pyrene	16.77	276	80811	2.84	ng	# 95
87) Benzo(b)fluoranthene	15.00	252	286837	7.74	ng	# 94
88) Benzo(k)fluoranthene	15.00	252	286837	9.46	ng	98
89) Benzo(a)pvrene	15.35	252	163573	5.20	ng	98
91) Benzo(a,h,i)perylene	17.20	276	83391	2.98	ng	98

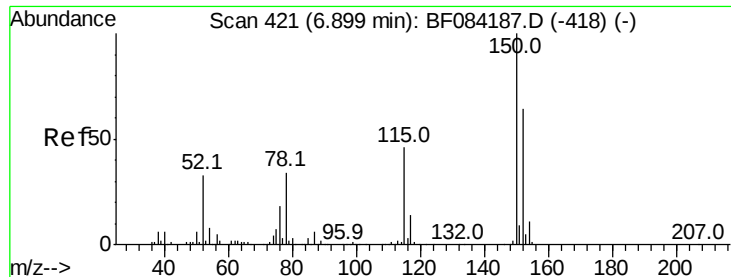
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.82 min Scan# 414

Delta R.T. -0.00 min

Lab File: BF084502.D

Acq: 15 Jan 2016 20:30

Instrument :

BNA_F

ClientSampleId :

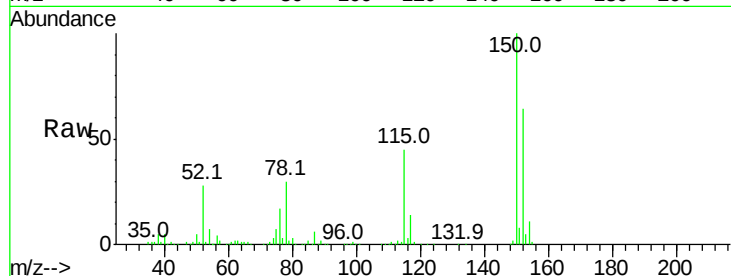
Tot Ion:152 Resp: 277818

Ion Ratio Lower Upper

152 100

150 156.0 123.0 184.4

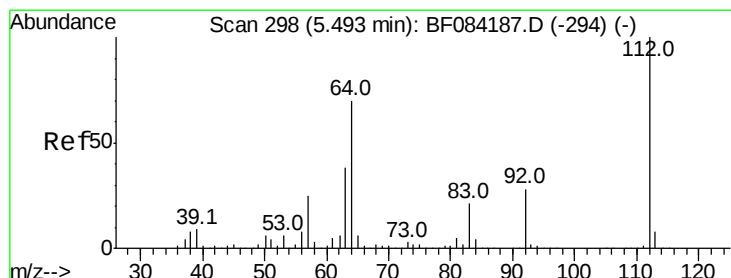
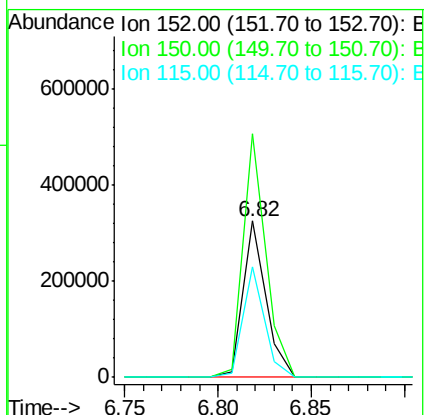
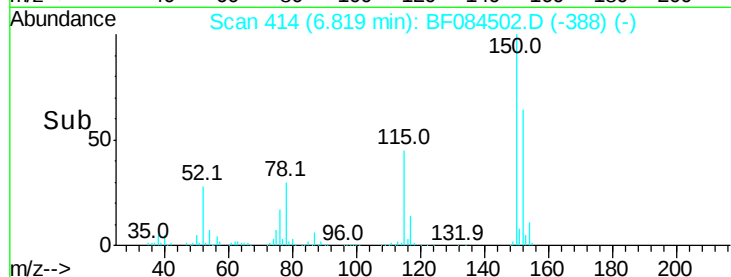
115 70.4 51.4 77.2



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: 114.44 ng

RT: 5.44 min Scan# 293

Delta R.T. 0.01 min

Lab File: BF084502.D

Acq: 15 Jan 2016 20:30

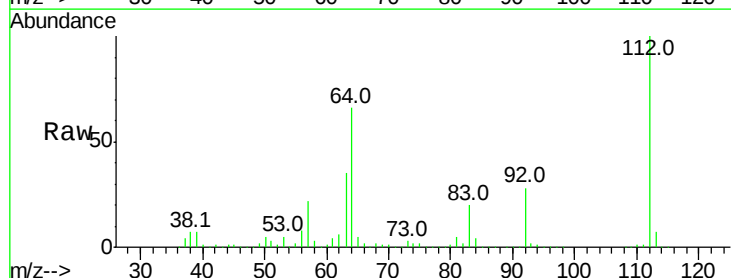
Tgt Ion:112 Resp: 1965591

Ion Ratio Lower Upper

112 100

64 66.5 36.6 55.0#

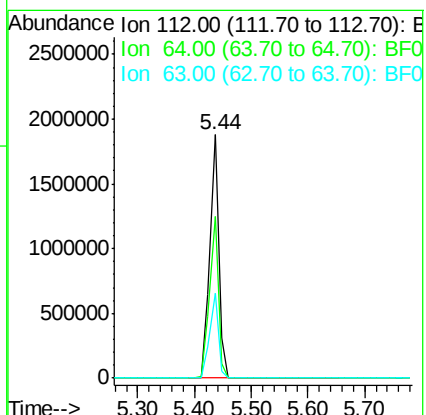
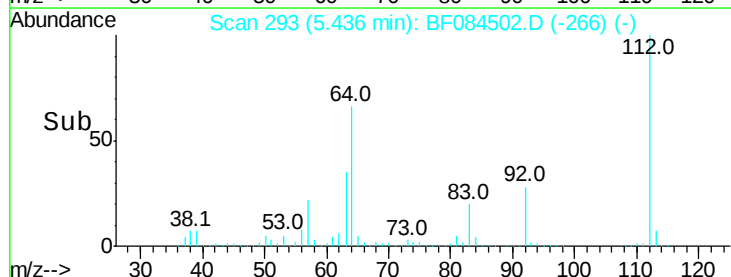
63 35.0 19.4 29.0#

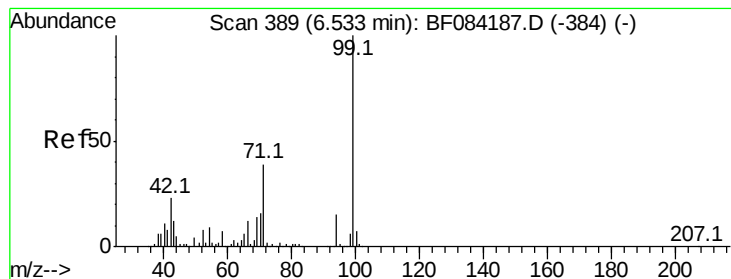


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 134.02 ng

RT: 6.48 min Scan# 384

Delta R.T. 0.01 min

Lab File: BF084502.D

Acq: 15 Jan 2016 20:30

Instrument :

BNA_F

ClientSampled :

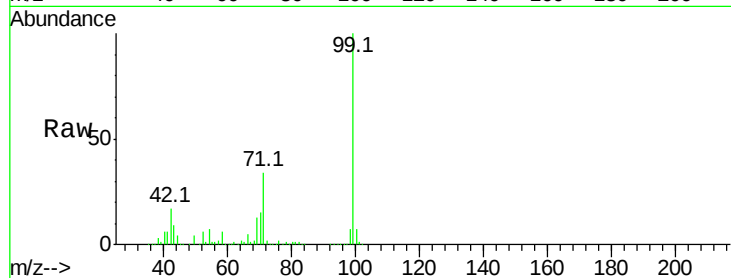
Tot Ion: 99 Resp: 2891038

Ion Ratio Lower Upper

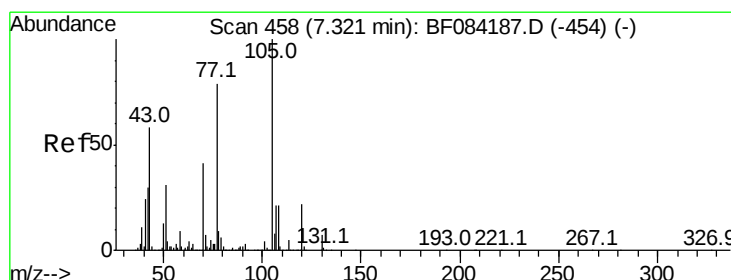
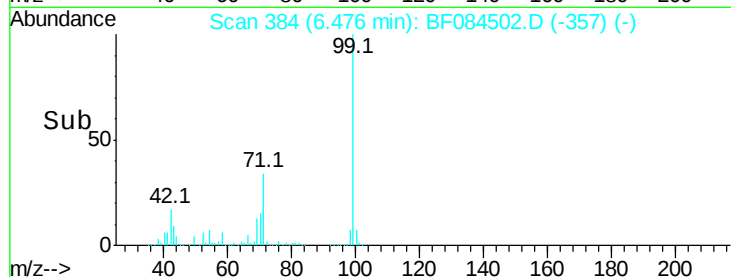
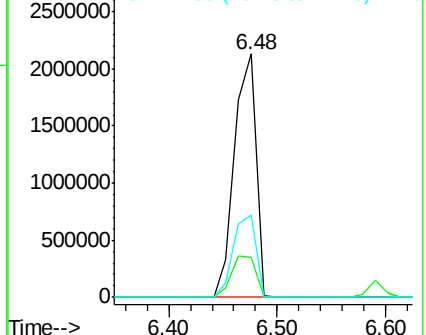
99 100

42 16.6 12.8 19.2

71 34.0 30.9 46.3



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: 16.58 ng

RT: 7.39 min Scan# 464

Delta R.T. 0.15 min

Lab File: BF084502.D

Acq: 15 Jan 2016 20:30

Tgt Ion: 70 Resp: 242154

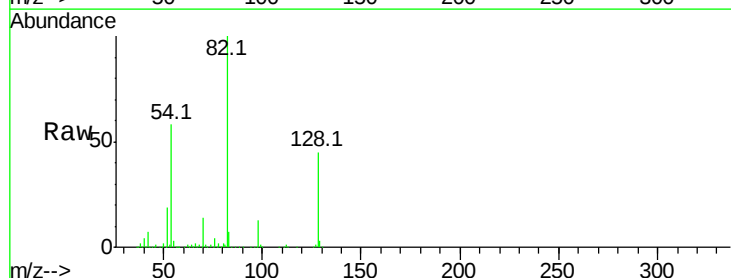
Ion Ratio Lower Upper

70 100

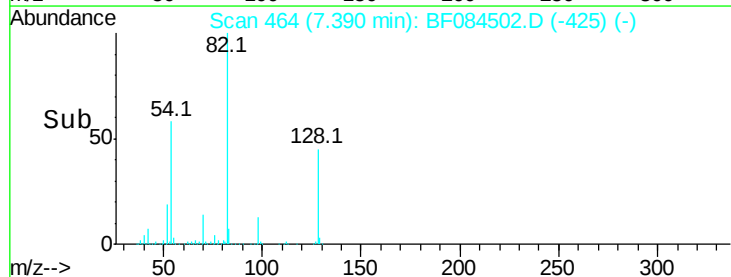
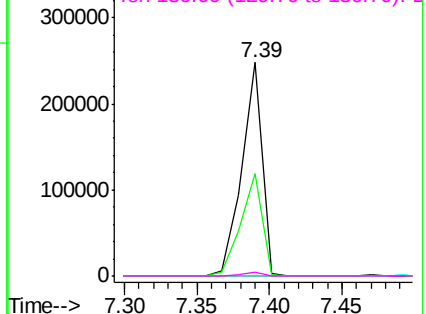
42 48.2 33.3 49.9

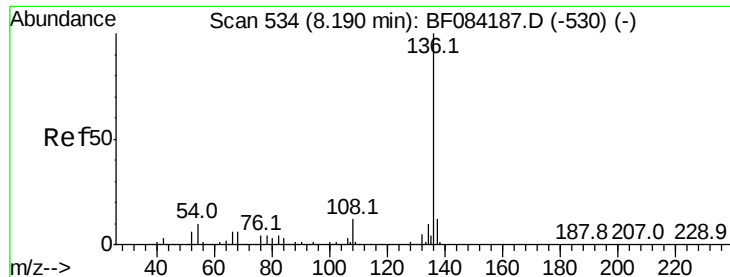
101 0.0 9.3 13.9#

130 2.0 23.4 35.0#



Abundance Ion 70.00 (69.70 to 70.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 101.00 (100.70 to 101.70): BF0
Ion 130.00 (129.70 to 130.70): BF0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.11 min Scan# 527

Delta R.T. -0.00 min

Lab File: BF084502.D

Acq: 15 Jan 2016 20:30

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 1168125

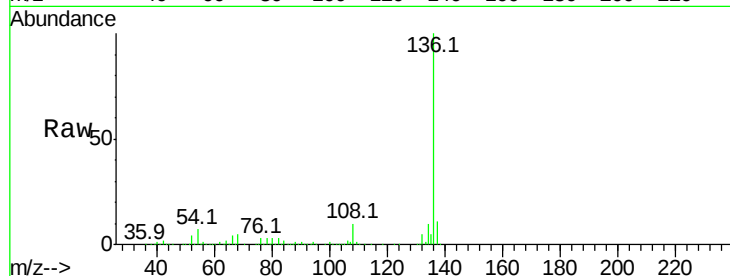
Ion Ratio Lower Upper

136 100

137 10.9 8.7 13.1

54 7.4 5.8 8.8

68 4.7 4.2 6.2

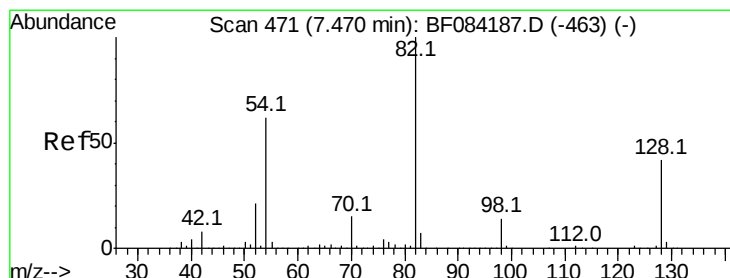
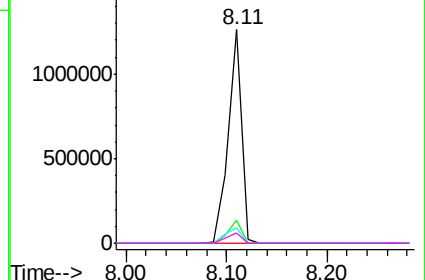
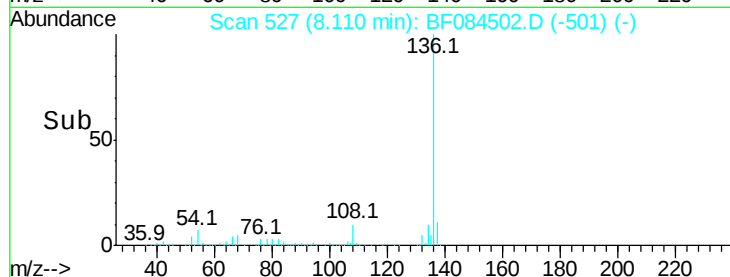


Abundance Ion 136.00 (135.70 to 136.70): E

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: 82.18 ng

RT: 7.39 min Scan# 464

Delta R.T. -0.00 min

Lab File: BF084502.D

Acq: 15 Jan 2016 20:30

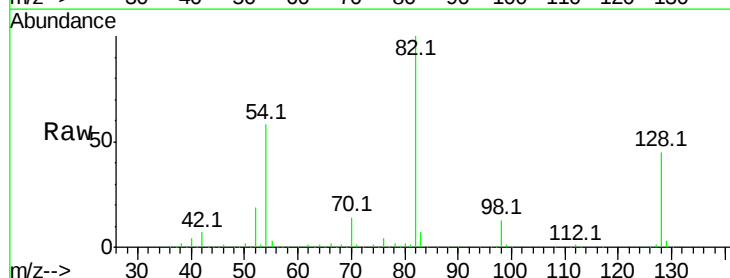
Tgt Ion: 82 Resp: 1724857

Ion Ratio Lower Upper

82 100

128 44.7 34.6 51.8

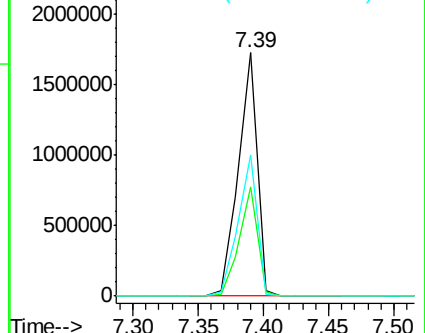
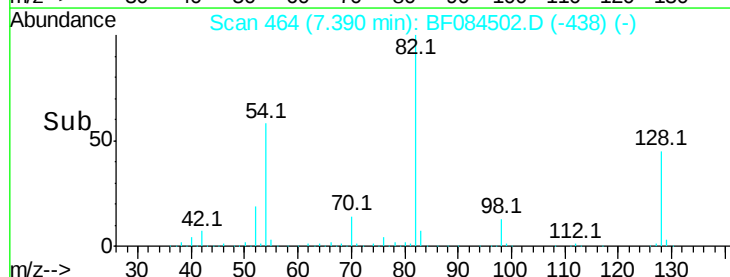
54 57.8 38.4 57.6#

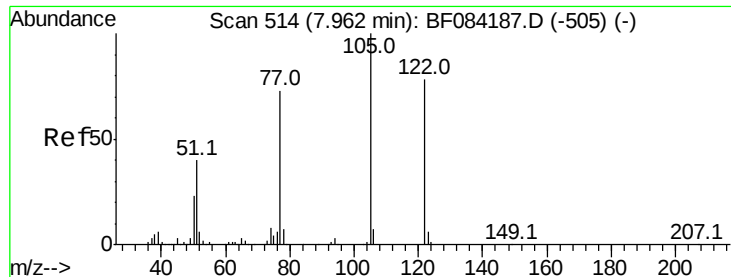


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#32

Benzoic acid

Concen: 6.27 ng

RT: 7.90 min Scan# 509

Delta R.T. 0.01 min

Lab File: BF084502.D

Acq: 15 Jan 2016 20:30

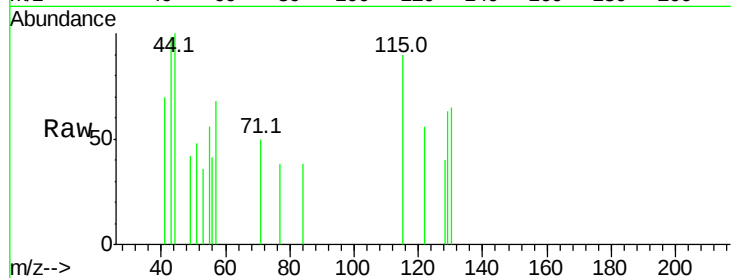
Instrument :

BNA_F

ClientSampleId :

Tot Ion:122 Resp: 321

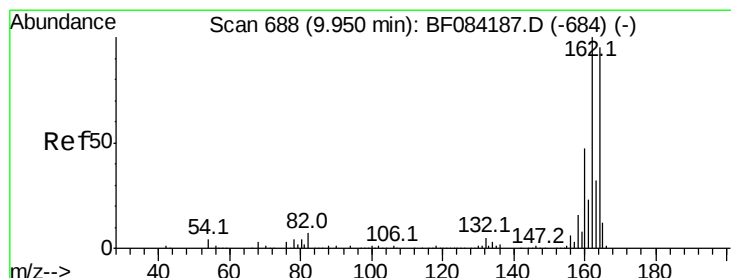
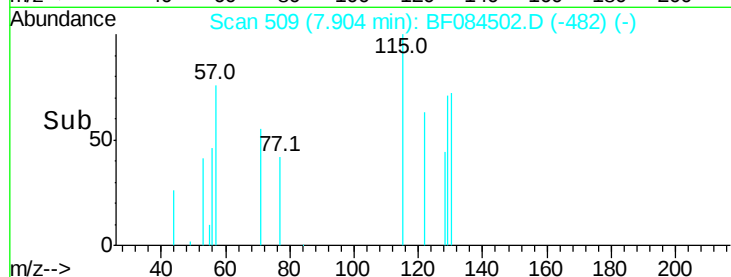
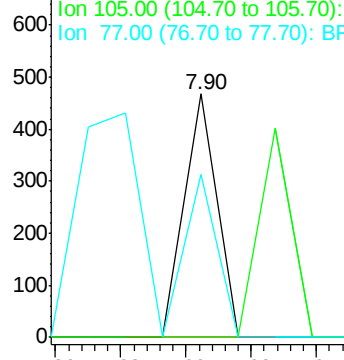
Ion	Ratio	Lower	Upper
122	100		
105	0.0	100.3	140.3#
77	67.1	63.5	103.5



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: 9.86 min Scan# 680

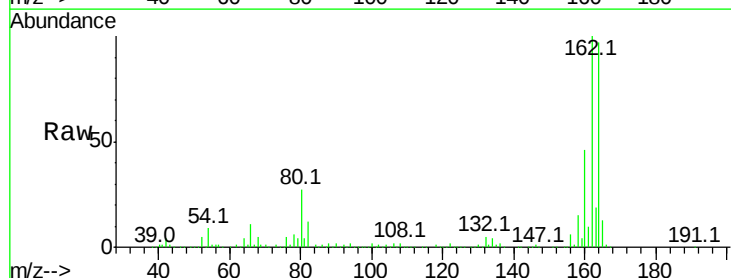
Delta R.T. -0.01 min

Lab File: BF084502.D

Acq: 15 Jan 2016 20:30

Tgt Ion:164 Resp: 482352

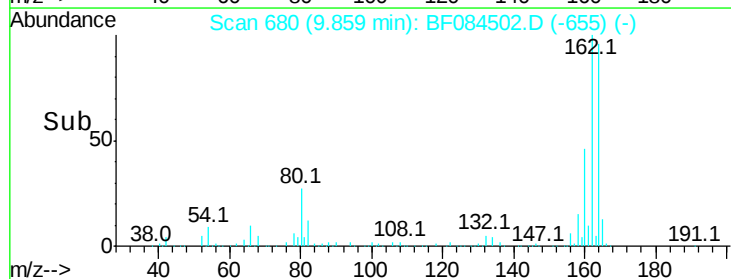
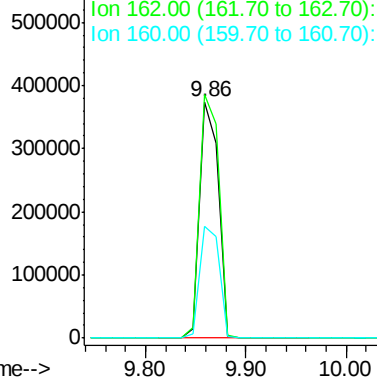
Ion	Ratio	Lower	Upper
164	100		
162	103.2	85.1	127.7
160	47.2	37.5	56.3

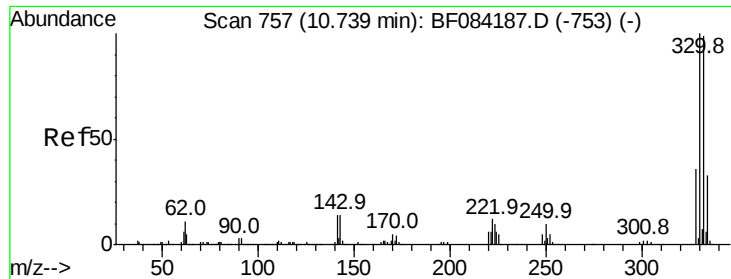


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

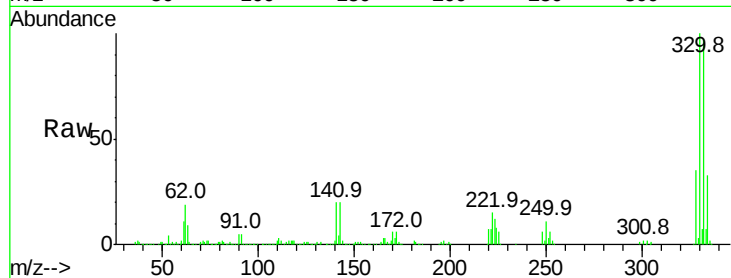




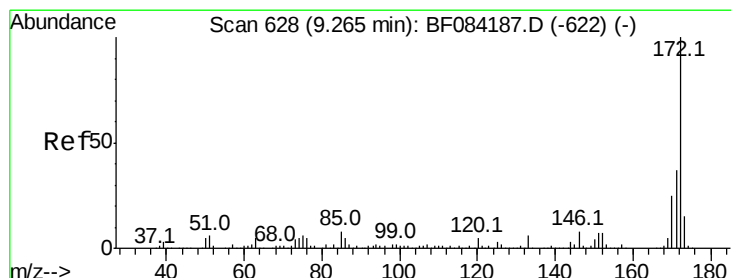
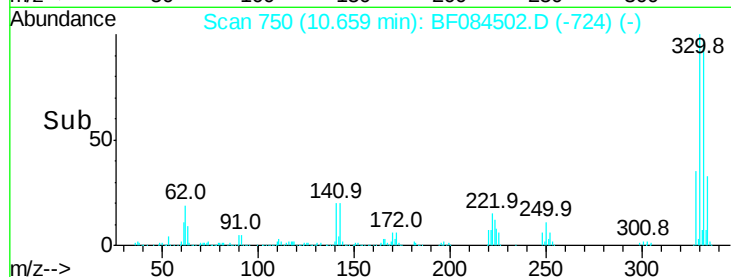
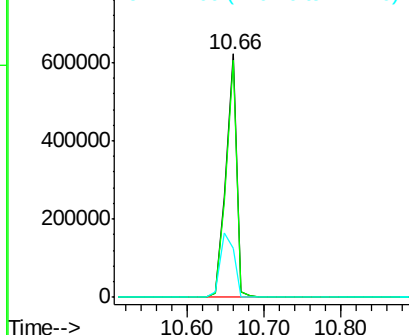
#41
 2,4,6-Tribromophenol
 Concen: 129.13 ng
 RT: 10.66 min Scan# 750
 Delta R.T. -0.00 min
 Lab File: BF084502.D
 Acq: 15 Jan 2016 20:30

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.6	76.6	114.8
141	33.4	27.8	41.6

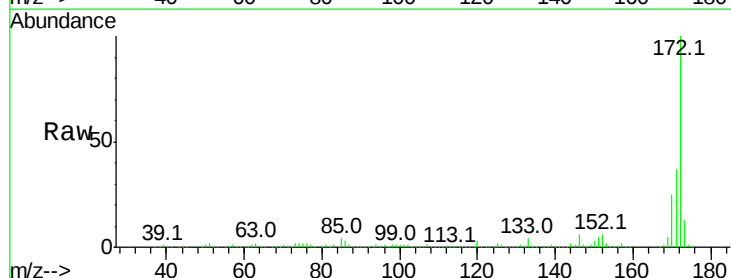


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

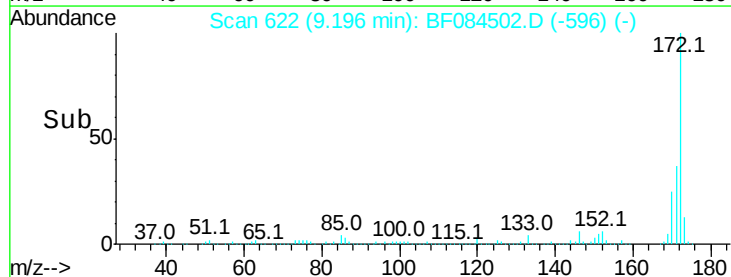
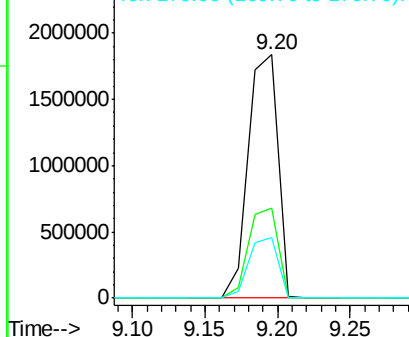


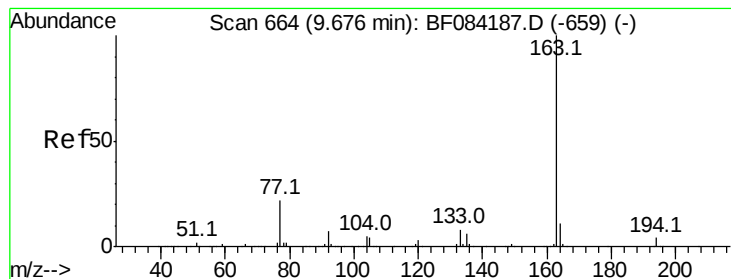
#44
 2-Fluorobiphenyl
 Concen: 96.25 ng
 RT: 9.20 min Scan# 622
 Delta R.T. -0.00 min
 Lab File: BF084502.D
 Acq: 15 Jan 2016 20:30

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.8	28.9	43.3
170	24.7	18.6	27.8



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





#49

Dimethylphthalate

Concen: 15.74 ng

RT: 9.58 min Scan# 656

Delta R.T. -0.01 min

Lab File: BF084502.D

Acq: 15 Jan 2016 20:30

Instrument :

BNA_F

ClientSampleId :

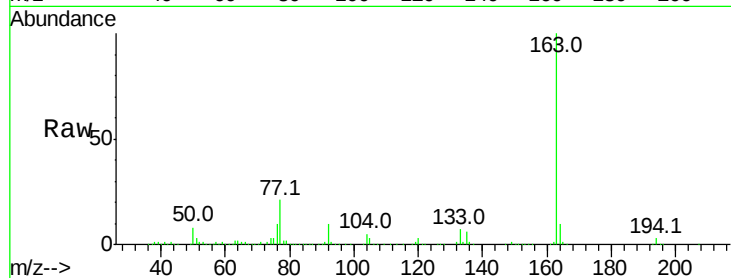
Tot Ion:163 Resp: 542773

Ion Ratio Lower Upper

163 100

194 3.0 8.0 12.0#

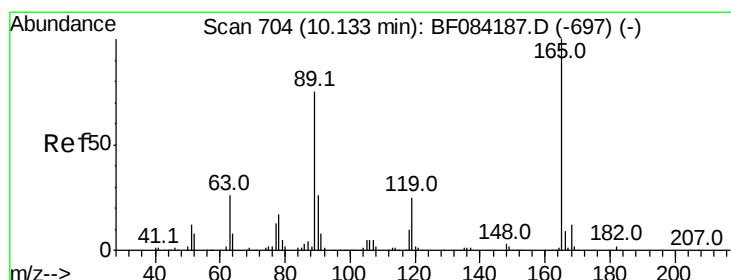
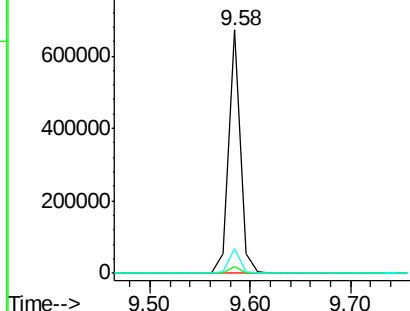
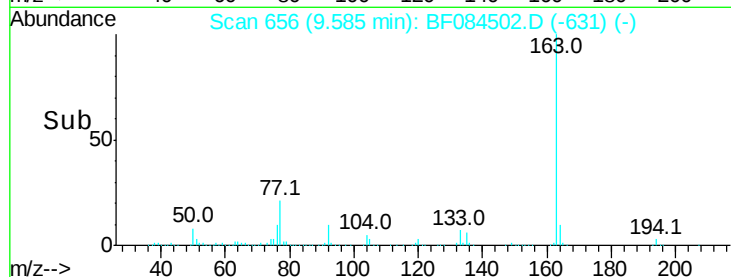
164 10.2 8.0 12.0



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



#56

2,4-Dinitrotoluene

Concen: 6.66 ng

RT: 9.86 min Scan# 680

Delta R.T. -0.21 min

Lab File: BF084502.D

Acq: 15 Jan 2016 20:30

Tgt Ion:165 Resp: 63705

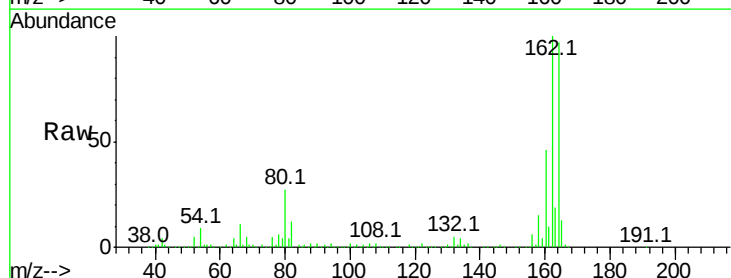
Ion Ratio Lower Upper

165 100

63 1.5 36.7 55.1#

89 1.8 61.9 92.9#

182 0.0 2.0 3.0#

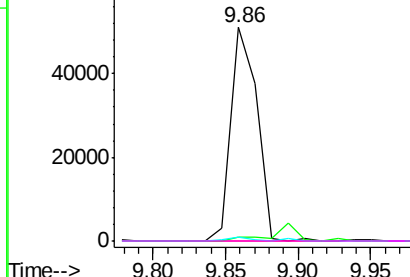
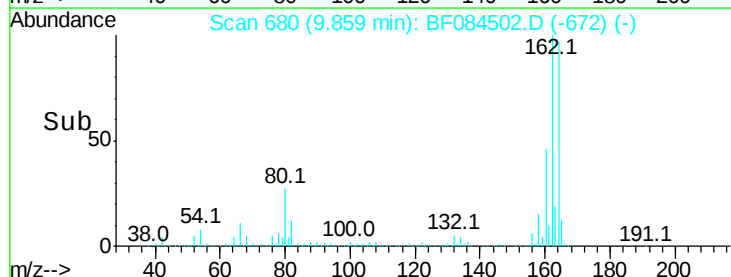


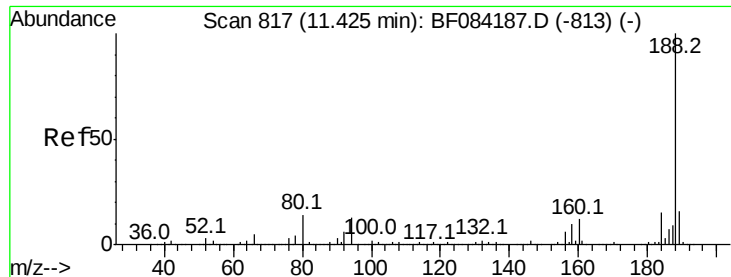
Abundance Ion 165.00 (164.70 to 165.70): E

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

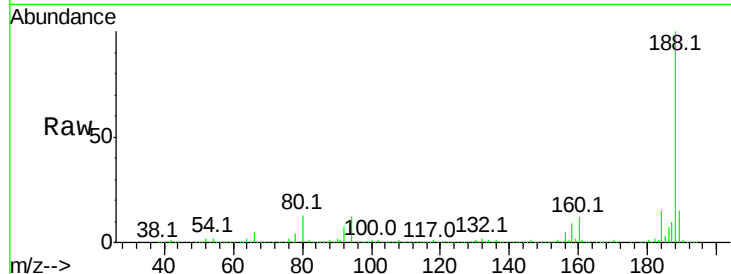




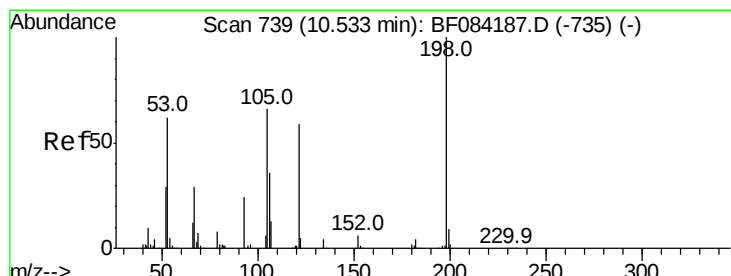
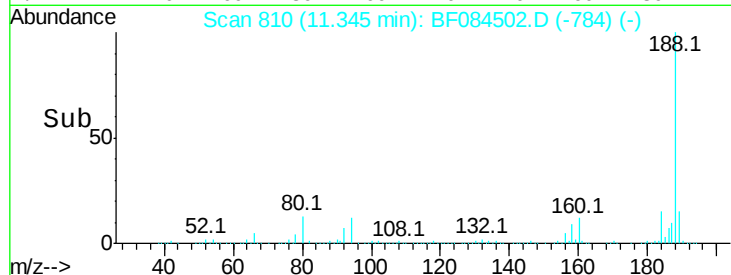
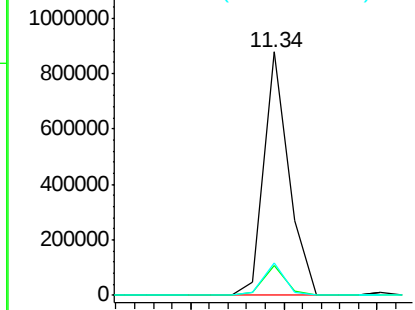
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.34 min Scan# 810
 Delta R.T. -0.00 min
 Lab File: BF084502.D
 Acq: 15 Jan 2016 20:30

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:188 Resp: 822878
 Ion Ratio Lower Upper
 188 100
 94 12.4 9.0 13.4
 80 13.1 9.6 14.4

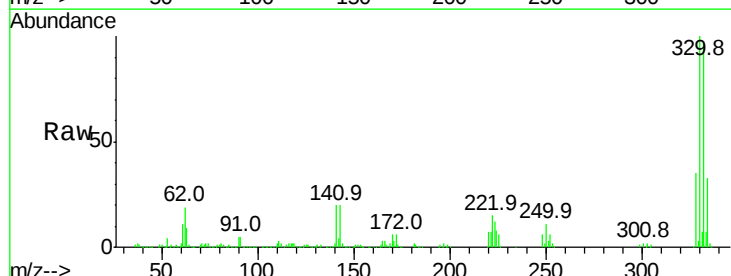


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0

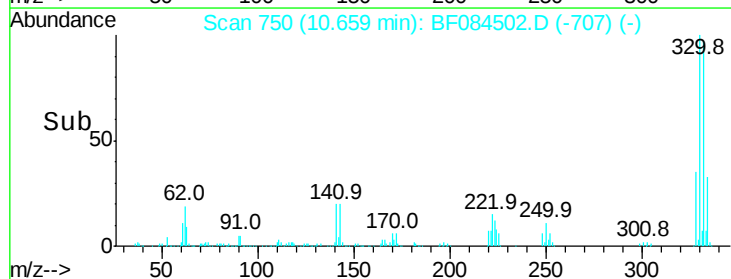
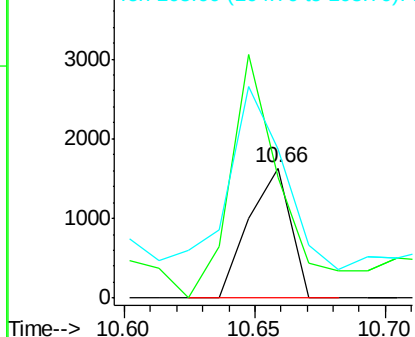


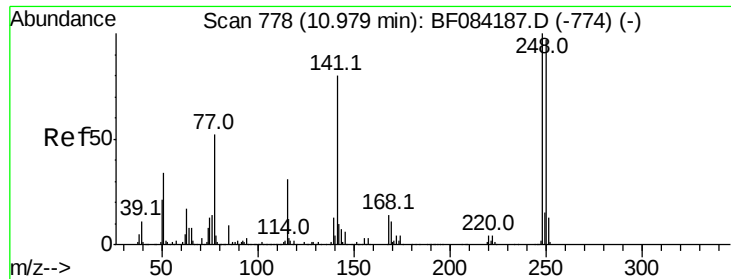
#64
 4,6-Dinitro-2-methylphenol
 Concen: 6.69 ng
 RT: 10.66 min Scan# 750
 Delta R.T. 0.19 min
 Lab File: BF084502.D
 Acq: 15 Jan 2016 20:30

Tgt Ion:198 Resp: 1804
 Ion Ratio Lower Upper
 198 100
 51 93.1 18.9 58.9#
 105 114.4 26.4 66.4#



Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF0
 Ion 105.00 (104.70 to 105.70): E

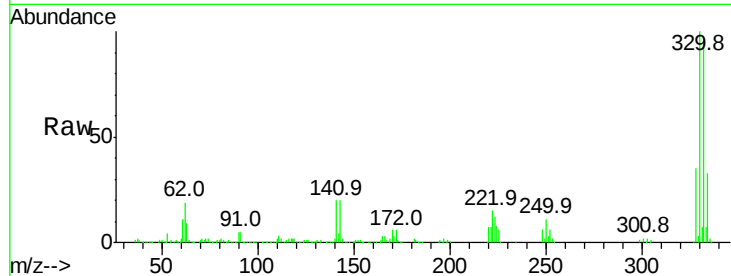




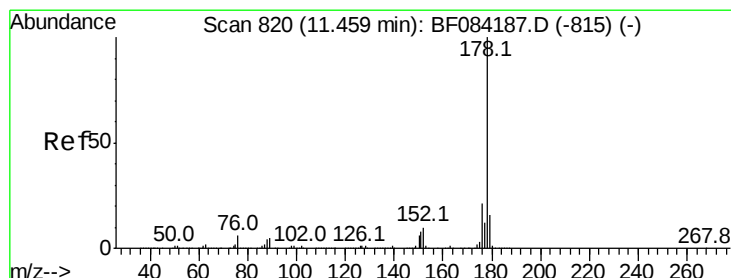
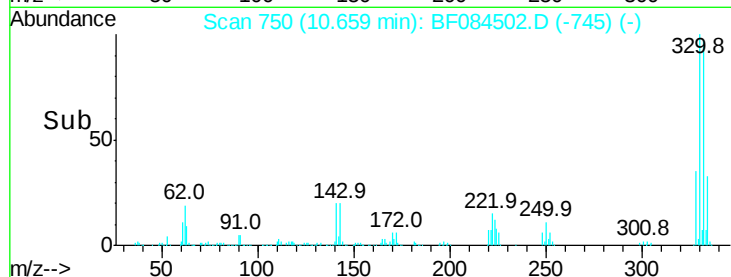
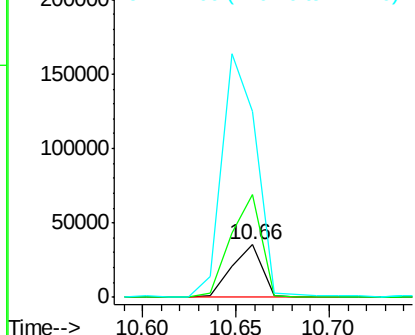
#66
 4-Bromophenyl-phenylether
 Concen: 4.56 ng
 RT: 10.66 min Scan# 750
 Delta R.T. -0.24 min
 Lab File: BF084502.D
 Acq: 15 Jan 2016 20:30

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:248 Resp: 40387
 Ion Ratio Lower Upper
 248 100
 250 196.4 78.4 117.6#
 141 352.9 44.0 66.0#

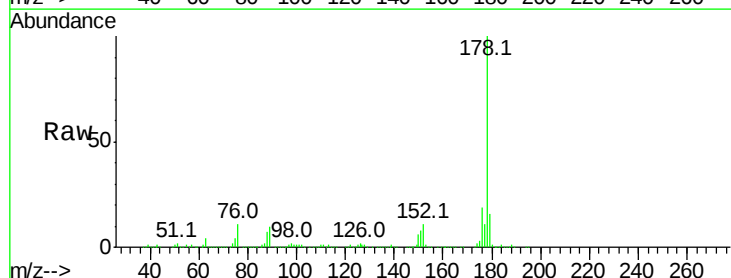


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

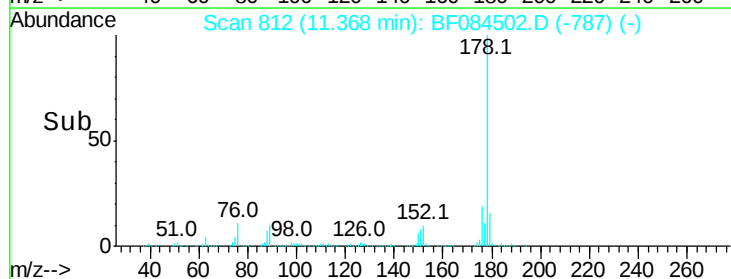
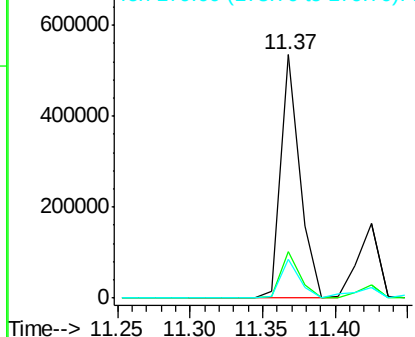


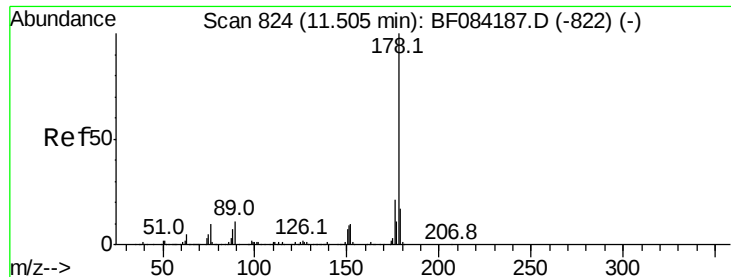
#70
 Phenanthrene
 Concen: 11.41 ng
 RT: 11.37 min Scan# 812
 Delta R.T. -0.01 min
 Lab File: BF084502.D
 Acq: 15 Jan 2016 20:30

Tgt Ion:178 Resp: 491305
 Ion Ratio Lower Upper
 178 100
 176 19.0 15.3 22.9
 179 15.7 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





#71

Anthracene

Concen: 3.95 ng

RT: 11.42 min Scan# 817

Delta R.T. -0.00 min

Lab File: BF084502.D

Acq: 15 Jan 2016 20:30

Instrument :

BNA_F

ClientSampleId :

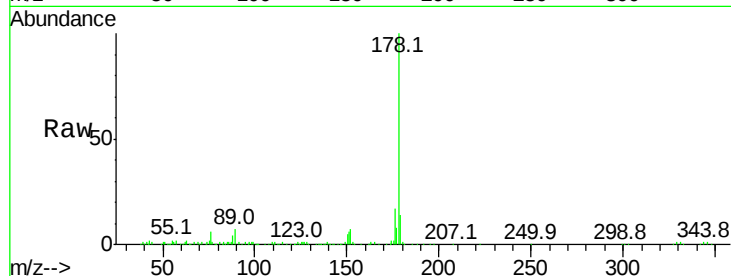
Tot Ion:178 Resp: 166683

Ion Ratio Lower Upper

178 100

176 17.5 15.4 23.0

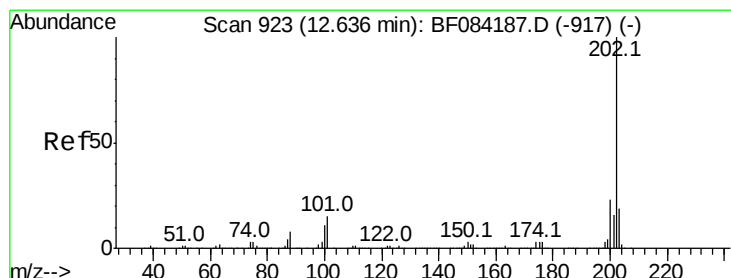
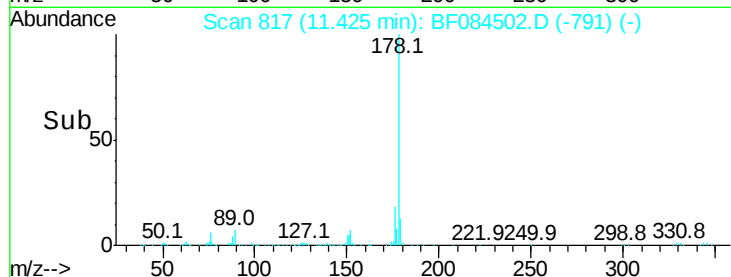
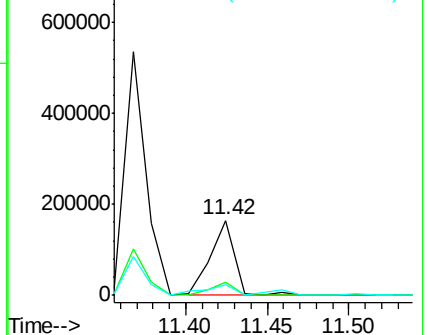
179 14.0 12.5 18.7



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: 12.34 ng

RT: 12.56 min Scan# 916

Delta R.T. -0.00 min

Lab File: BF084502.D

Acq: 15 Jan 2016 20:30

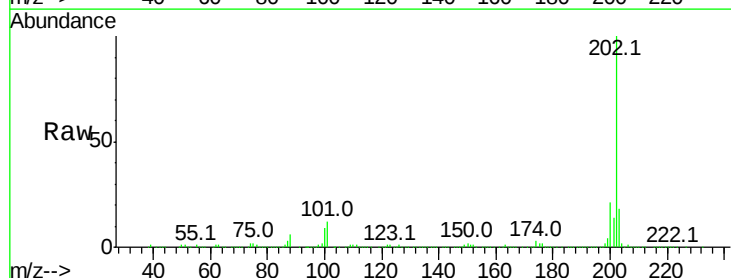
Tgt Ion:202 Resp: 554766

Ion Ratio Lower Upper

202 100

101 12.2 0.0 32.8

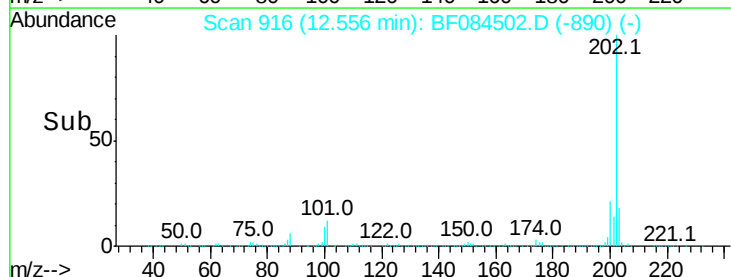
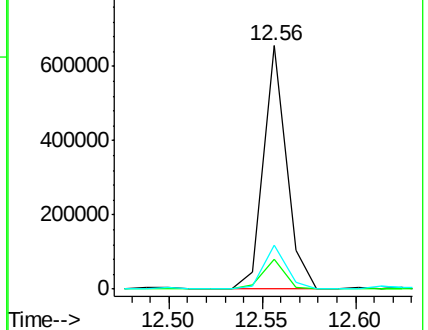
203 17.9 0.0 37.9

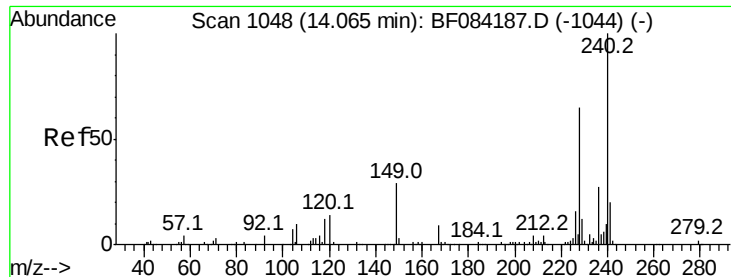


Abundance Ion 202.00 (201.70 to 202.70): E

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: 13.98 min Scan# 1041

Delta R.T. -0.00 min

Lab File: BF084502.D

Acq: 15 Jan 2016 20:30

Instrument :

BNA_F

ClientSampled :

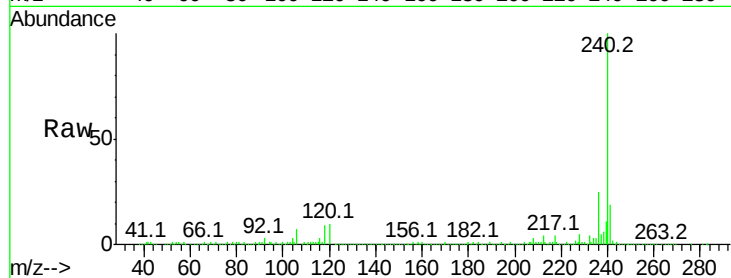
Tot Ion:240 Resp: 635157

Ion Ratio Lower Upper

240 100

120 10.4 9.5 14.3

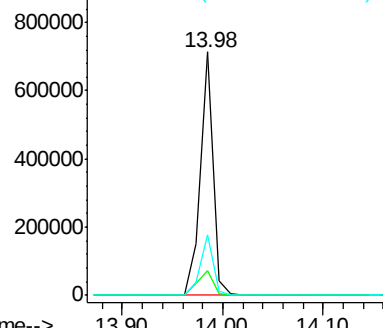
236 25.0 20.6 31.0



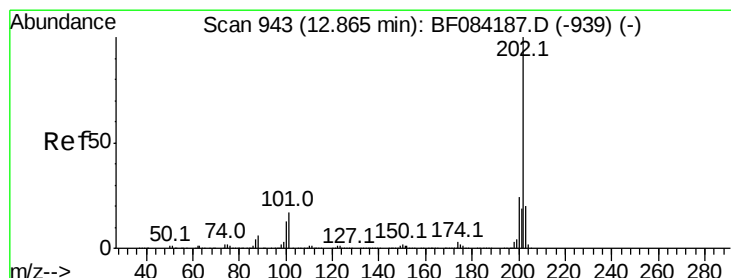
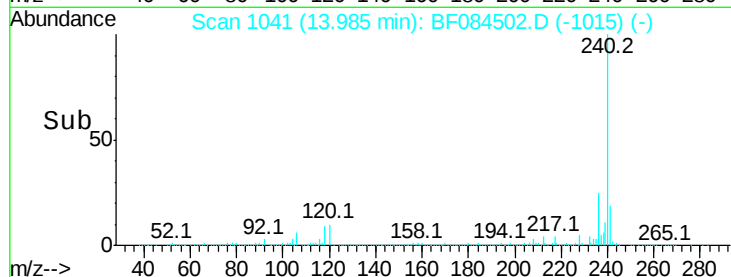
Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



Time-->



#77

Pyrene

Concen: 10.28 ng

RT: 12.78 min Scan# 936

Delta R.T. -0.00 min

Lab File: BF084502.D

Acq: 15 Jan 2016 20:30

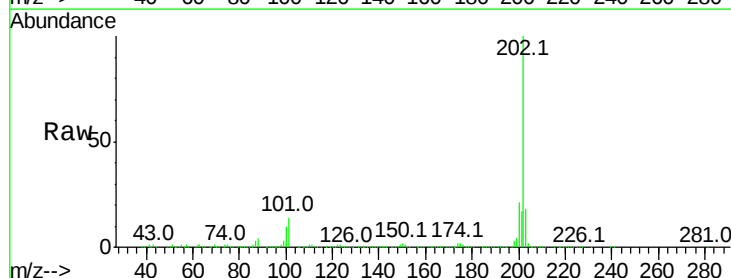
Tgt Ion:202 Resp: 512230

Ion Ratio Lower Upper

202 100

200 20.8 17.2 25.8

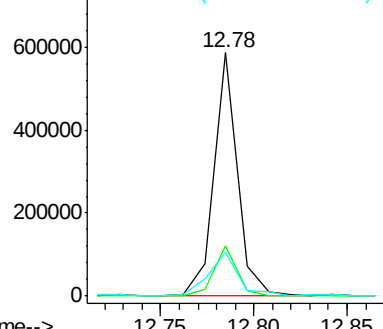
203 18.0 14.3 21.5



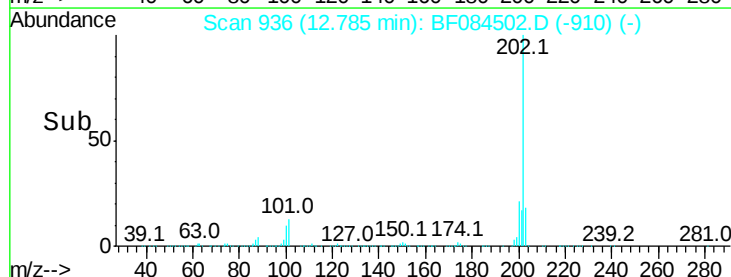
Abundance Ion 202.00 (201.70 to 202.70): E

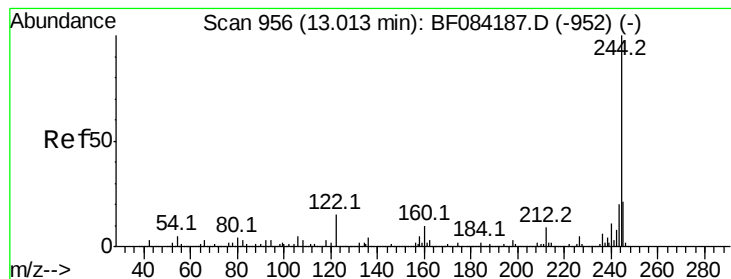
Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



Time-->





#78

Terphenyl-d14

Concen: 61.29 ng

RT: 12.93 min Scan# 949

Delta R.T. -0.00 min

Lab File: BF084502.D

Acq: 15 Jan 2016 20:30

Instrument :

BNA_F

ClientSampleId :

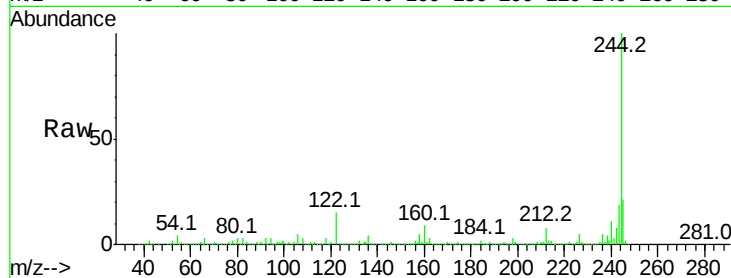
Tot Ion:244 Resp: 1743871

Ion Ratio Lower Upper

244 100

212 7.7 5.7 8.5

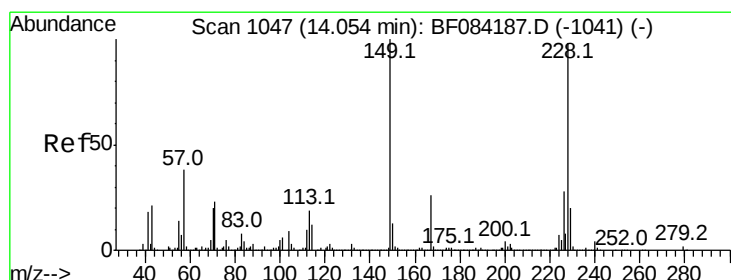
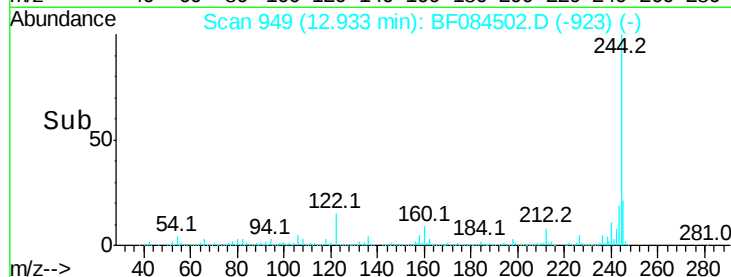
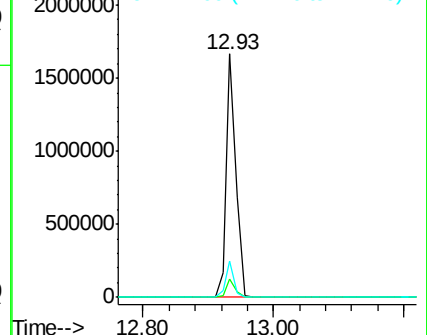
122 14.9 7.4 11.0#



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: 6.97 ng

RT: 13.97 min Scan# 1040

Delta R.T. -0.00 min

Lab File: BF084502.D

Acq: 15 Jan 2016 20:30

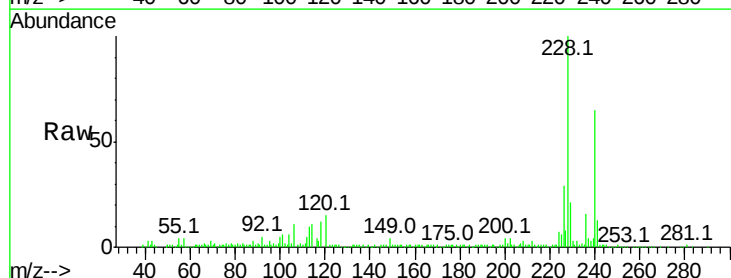
Tgt Ion:228 Resp: 259803

Ion Ratio Lower Upper

228 100

226 29.1 21.8 32.6

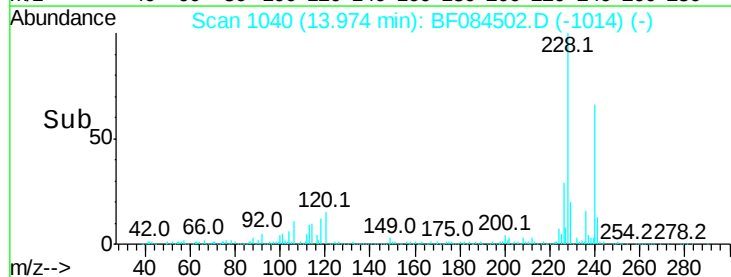
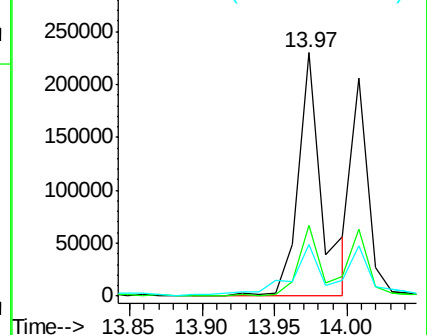
229 21.4 15.8 23.8

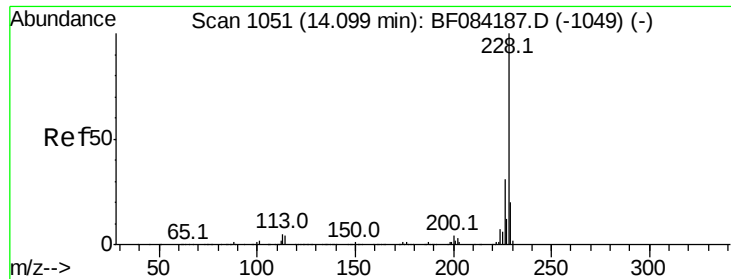


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 4.52 ng

RT: 14.01 min Scan# 1043

Delta R.T. -0.01 min

Lab File: BF084502.D

Acq: 15 Jan 2016 20:30

Instrument :

BNA_F

ClientSampleId :

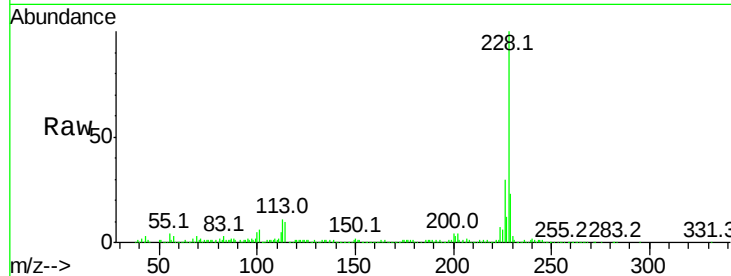
Tot Ion:228 Resp: 161864

Ion Ratio Lower Upper

228 100

226 30.4 24.3 36.5

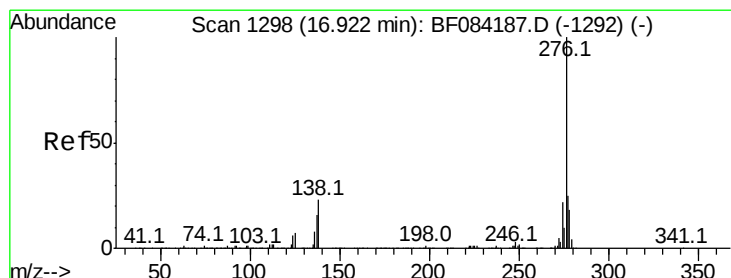
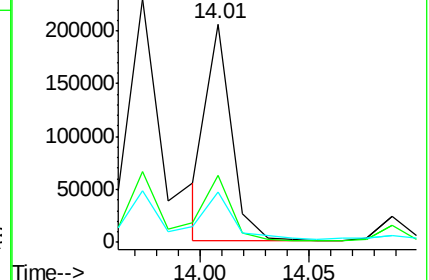
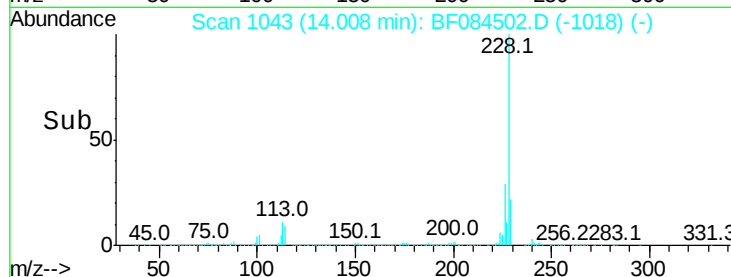
229 23.3 16.1 24.1



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



#85

Indeno(1,2,3-cd)pyrene

Concen: 2.84 ng

RT: 16.77 min Scan# 1285

Delta R.T. -0.01 min

Lab File: BF084502.D

Acq: 15 Jan 2016 20:30

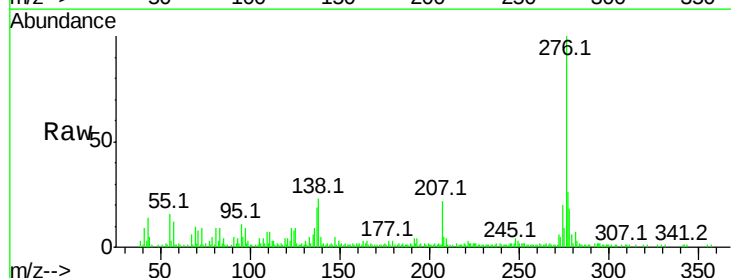
Tgt Ion:276 Resp: 80811

Ion Ratio Lower Upper

276 100

138 25.6 20.6 30.8

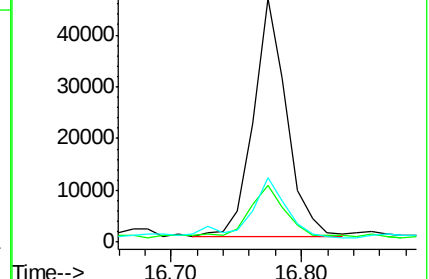
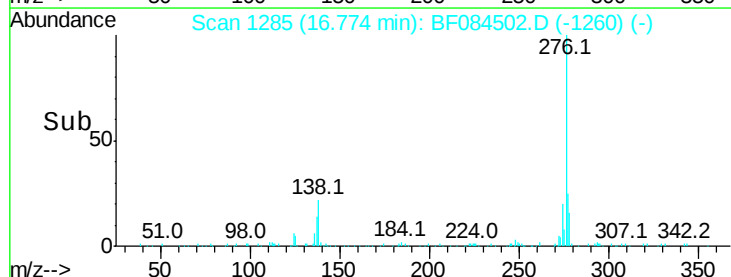
277 30.3 20.1 30.1#

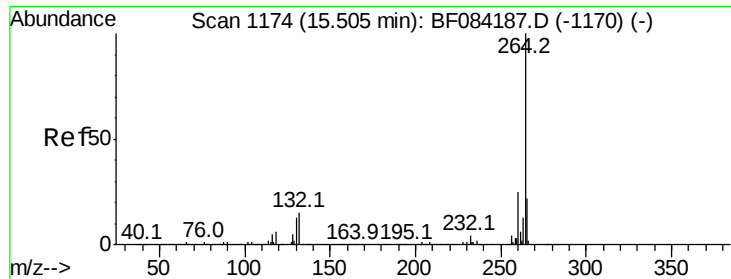


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

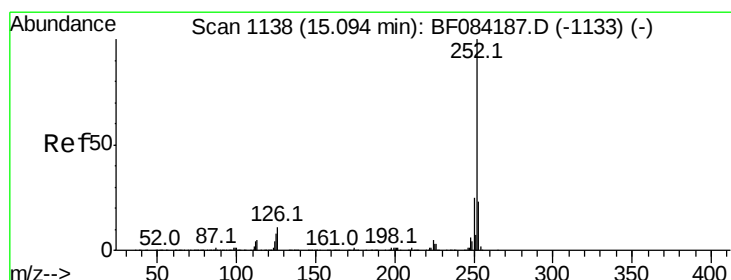
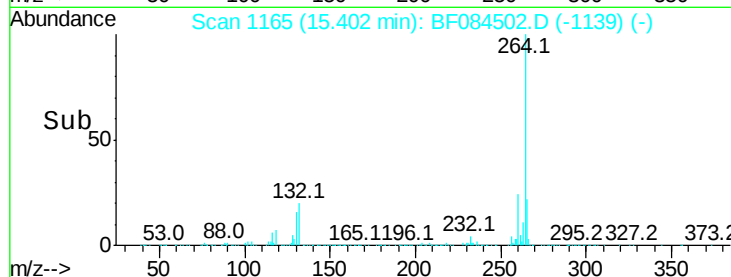
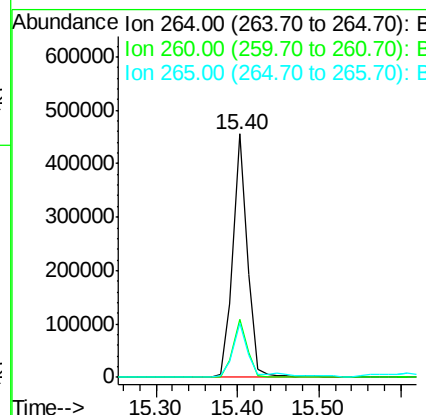
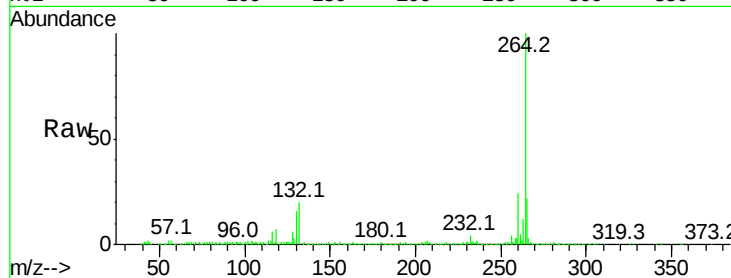




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.40 min Scan# 1165
Delta R.T. -0.00 min
Lab File: BF084502.D
Acq: 15 Jan 2016 20:30

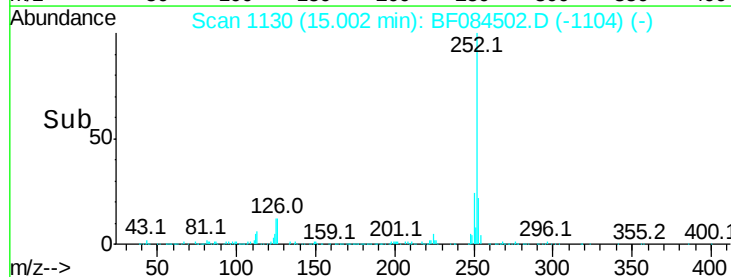
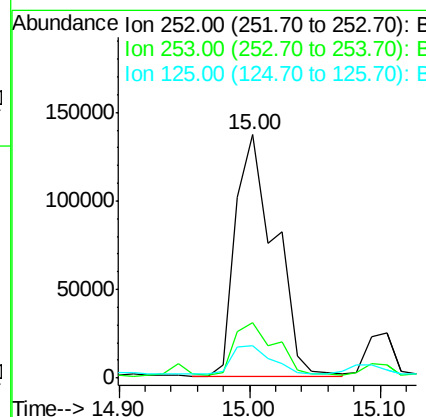
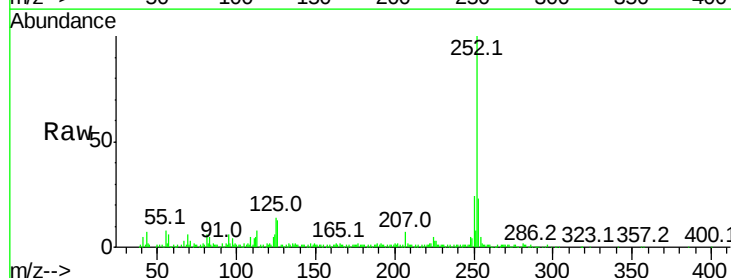
Instrument :
BNA_F
ClientSampleId :

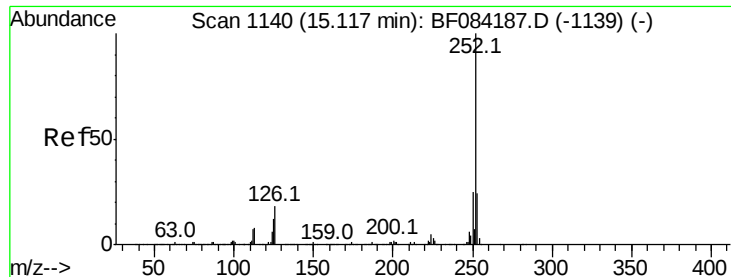
Tot Ion:264 Resp: 566679
Ion Ratio Lower Upper
264 100
260 23.6 19.4 29.2
265 22.2 17.8 26.6



#87
Benzo(b)fluoranthene
Concen: 7.74 ng
RT: 15.00 min Scan# 1130
Delta R.T. -0.00 min
Lab File: BF084502.D
Acq: 15 Jan 2016 20:30

Tgt Ion:252 Resp: 286837
Ion Ratio Lower Upper
252 100
253 22.5 17.3 25.9
125 13.6 6.5 9.7#

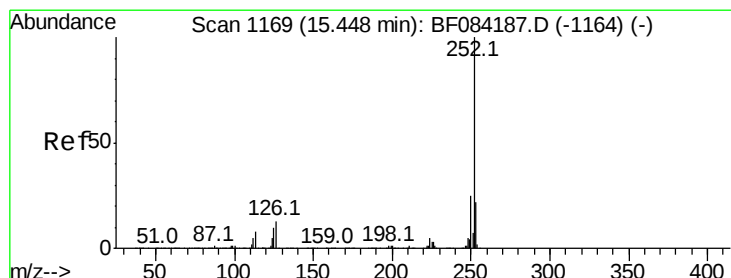
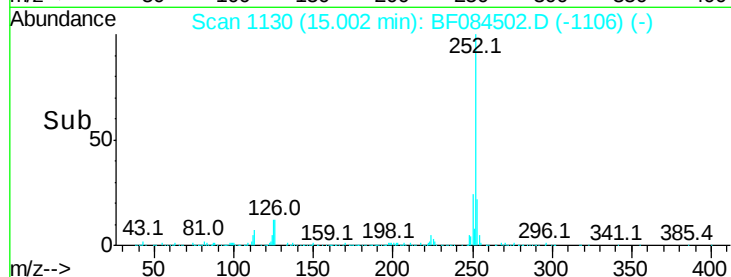
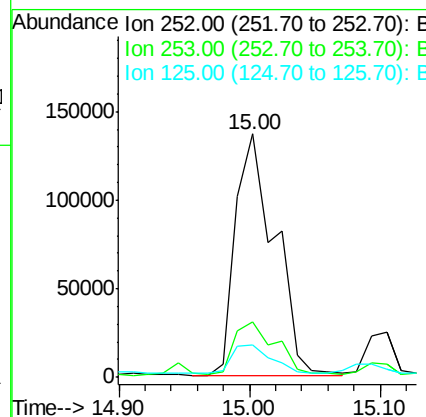
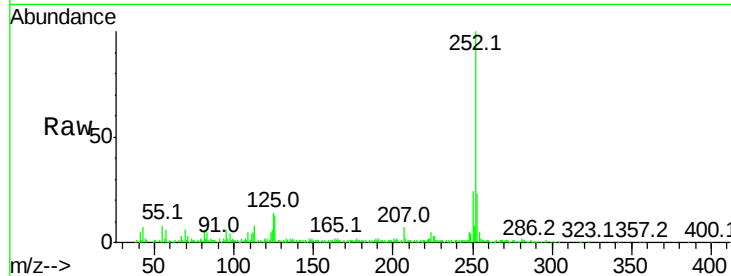




#88
Benzo(k)fluoranthene
Concen: 9.46 ng
RT: 15.00 min Scan# 1130
Delta R.T. -0.02 min
Lab File: BF084502.D
Acq: 15 Jan 2016 20:30

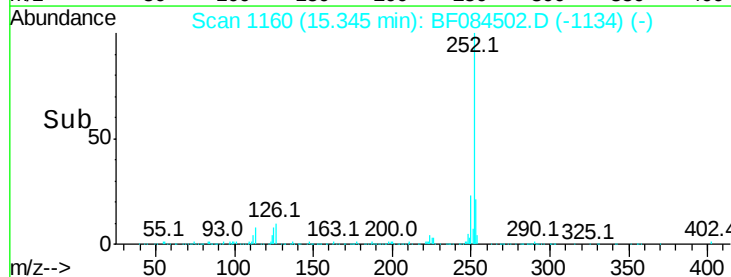
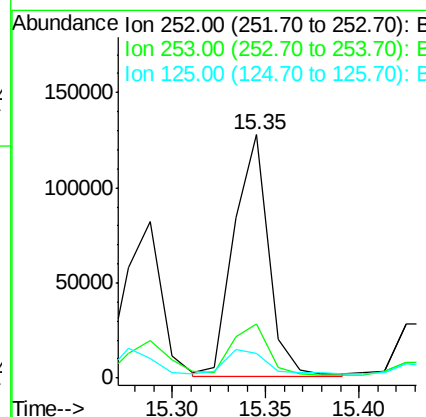
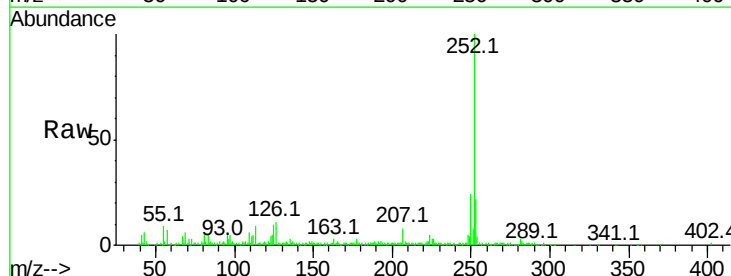
Instrument :
BNA_F
ClientSampleId :

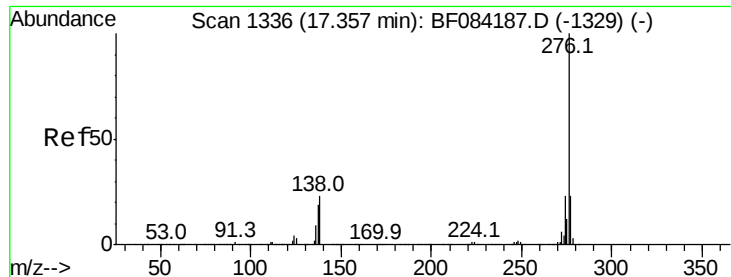
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.1	27.1
125	13.6	9.0	13.6



#89
Benzo(a)pyrene
Concen: 5.20 ng
RT: 15.35 min Scan# 1160
Delta R.T. -0.00 min
Lab File: BF084502.D
Acq: 15 Jan 2016 20:30

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.3	25.9
125	10.1	7.0	10.4





#91
 Benzo(a,h,i)perylene
 Concen: 2.98 ng
 RT: 17.20 min Scan# 1322
 Delta R.T. -0.01 min
 Lab File: BF084502.D
 Acq: 15 Jan 2016 20:30

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	22.9	18.8	28.2
138	21.0	17.8	26.6

