

Data Path : Z:\HPCHEM1\BNA F\DATA\BF121815\
 Data File : BF083905.D
 Acq On : 18 Dec 2015 8:59
 Operator : UM/SJ
 Sample : G4759-09
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 18 11:38:48 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121815.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 18 01:01:02 2015
 Response via : Initial Calibration

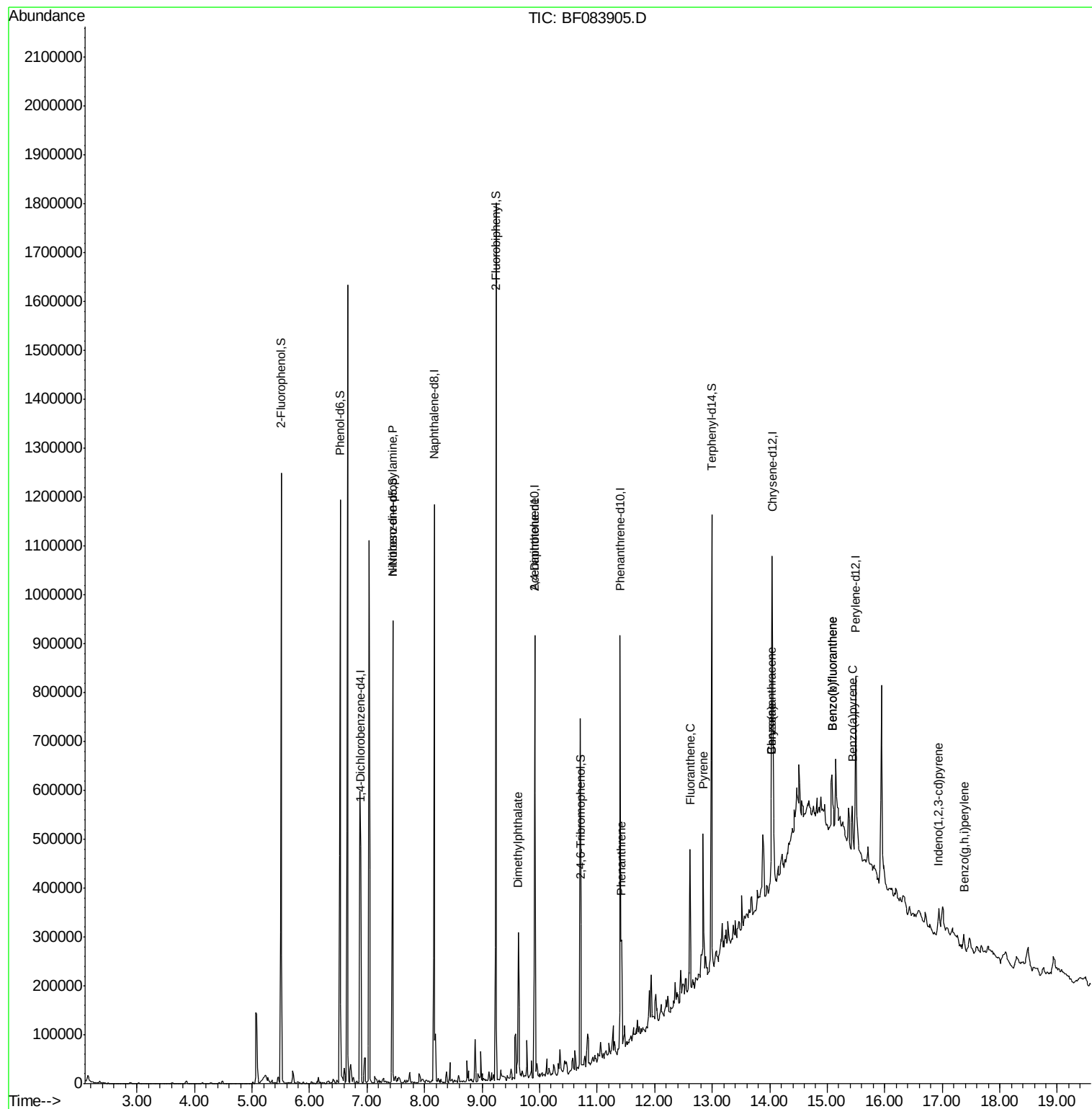
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	127492	20.00	ng	0.01
21) Naphthalene-d8	8.17	136	498526	20.00	ng	0.01
38) Acenaphthene-d10	9.92	164	199732	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	297314	20.00	ng	0.01
75) Chrysene-d12	14.04	240	239955	20.00	ng	0.01
86) Perylene-d12	15.49	264	186472	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	373002	45.79	ng	0.02
7) Phenol-d6	6.53	99	441067	44.23	ng	0.02
23) Nitrobenzene-d5	7.45	82	317901	36.39	ng	0.01
41) 2,4,6-Tribromophenol	10.72	330	89575	40.71	ng	0.01
44) 2-Fluorobiphenyl	9.24	172	490783	31.03	ng	0.00
78) Terphenyl-d14	12.99	244	317529	26.63	ng	0.01
Target Compounds						
14) 1,2-Dichlorobenzene	6.90	146	730	Below Cal		Qvalue 91
19) n-Nitroso-di-n-propylamine	7.45	70	45016	7.74 ng	#	75
31) Naphthalene	8.19	128	47150	Below Cal		98
36) 4-Chloro-3-methylphenol	8.74	107	5171	Below Cal	#	20
45) 1,1'-Biphenyl	9.34	154	3698	Below Cal		90
46) 2-Chloronaphthalene	9.41	162	207	Below Cal	#	33
49) Dimethylphthalate	9.63	163	116447	6.95 ng	#	97
56) 2,4-Dinitrotoluene	9.92	165	25942	5.54 ng	#	23
57) Fluorene	10.46	166	8196	Below Cal	#	96
70) Phenanthrene	11.42	178	75679	4.21 ng		99
74) Fluoranthene	12.61	202	115960	6.47 ng		100
77) Pyrene	12.84	202	124880	5.62 ng		98
80) Benzo(a)anthracene	14.03	228	69111	4.68 ng		94
82) Chrysene	14.03	228	69111	4.85 ng		97
85) Indeno(1,2,3-cd)pyrene	16.93	276	28791	2.70 ng		97
87) Benzo(b)fluoranthene	15.08	252	91857	6.76 ng	#	86
88) Benzo(k)fluoranthene	15.08	252	91857	8.19 ng	#	90
89) Benzo(a)pyrene	15.44	252	47389	4.22 ng	#	88
91) Benzo(a,h,i)perylene	17.38	276	31803	3.72 ng		97

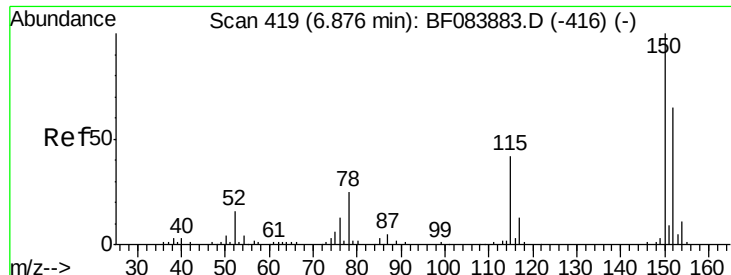
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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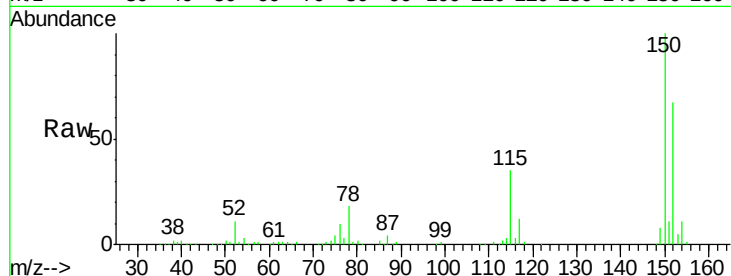


#1

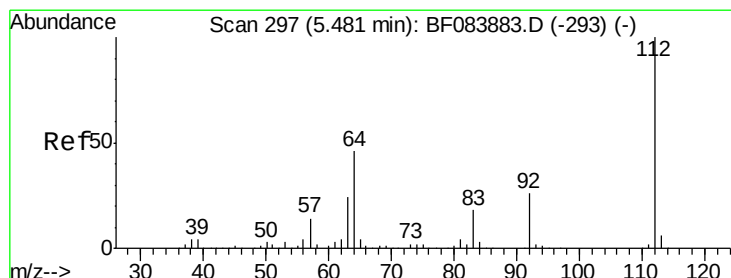
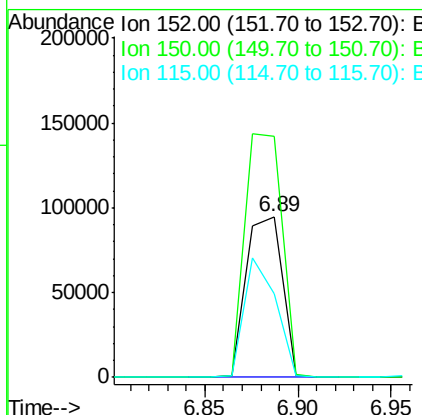
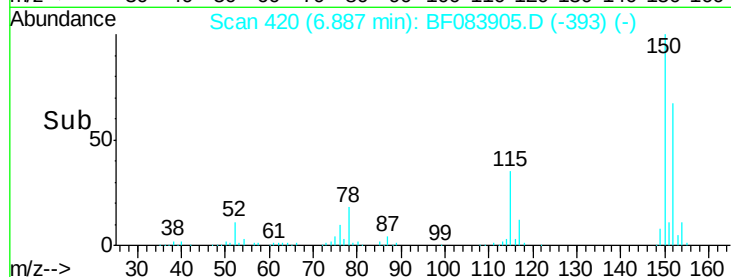
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.89 min Scan# 420
Delta R.T. 0.01 min
Lab File: BF083905.D
Acq: 18 Dec 2015 8:59

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	149.9	123.0	184.4
115	52.0	51.4	77.2



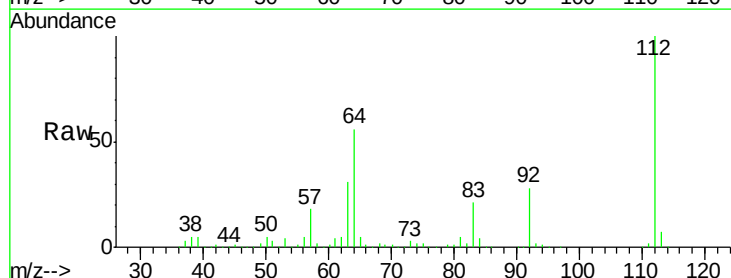
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



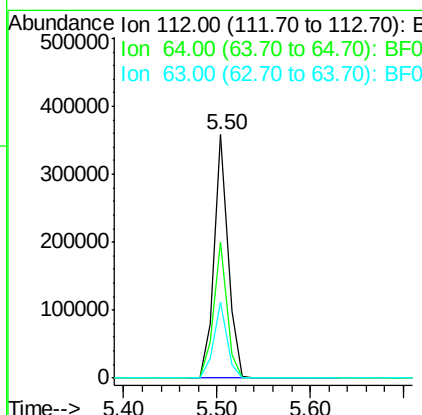
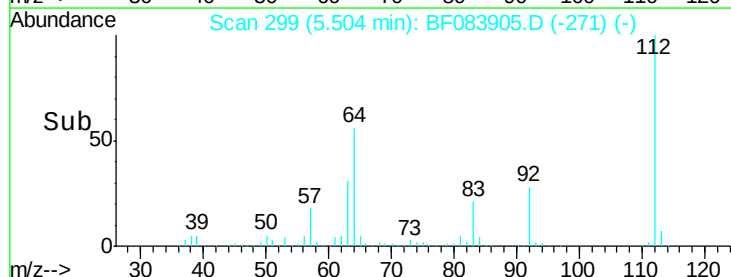
#5

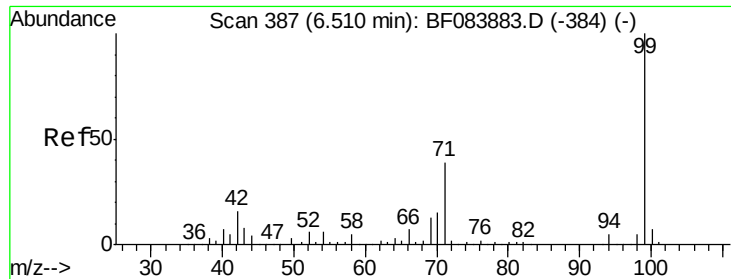
2-Fluorophenol
Concen: 45.79 ng
RT: 5.50 min Scan# 299
Delta R.T. 0.02 min
Lab File: BF083905.D
Acq: 18 Dec 2015 8:59

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.9	36.6	55.0#
63	31.3	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: 44.23 ng

RT: 6.53 min Scan# 389

Delta R.T. 0.02 min

Lab File: BF083905.D

Acq: 18 Dec 2015 8:59

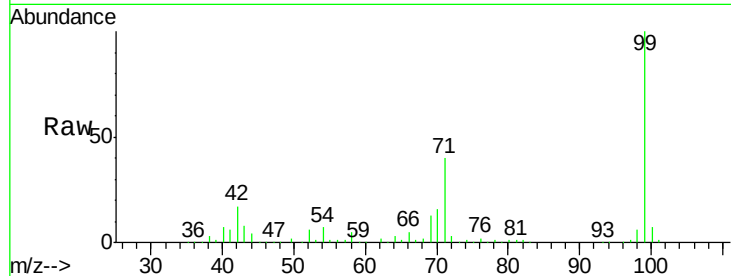
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 441067

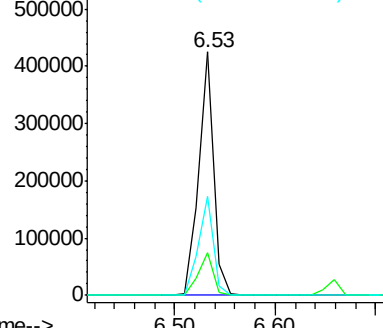
Ion	Ratio	Lower	Upper
99	100		
42	17.3	12.8	19.2
71	40.4	30.9	46.3



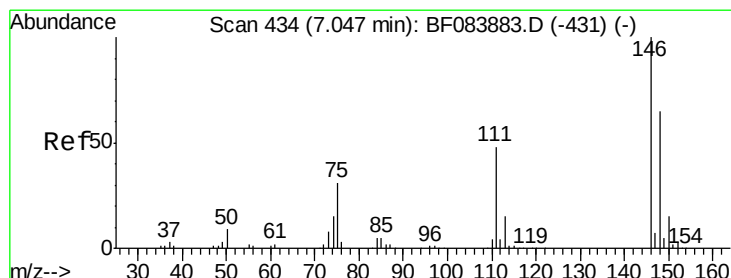
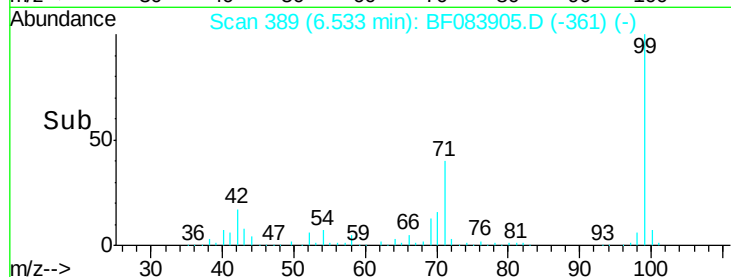
Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



Time-->



#14

1,2-Dichlorobenzene

Concen: Below Cal

RT: 6.90 min Scan# 421

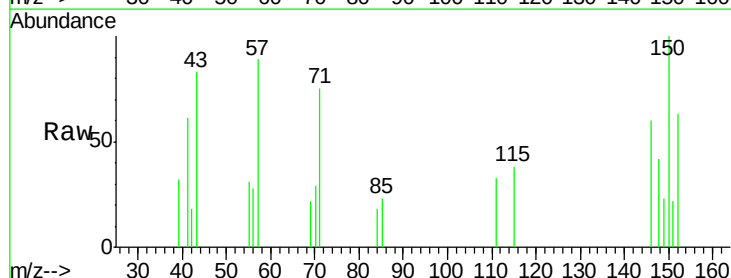
Delta R.T. -0.15 min

Lab File: BF083905.D

Acq: 18 Dec 2015 8:59

Tgt Ion: 146 Resp: 730

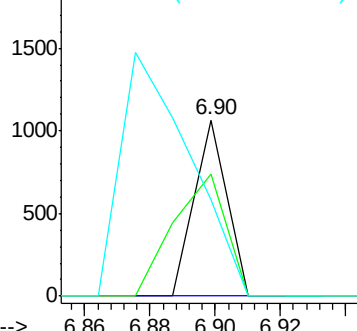
Ion	Ratio	Lower	Upper
146	100		
148	69.7	51.6	77.4
111	55.1	38.0	57.0



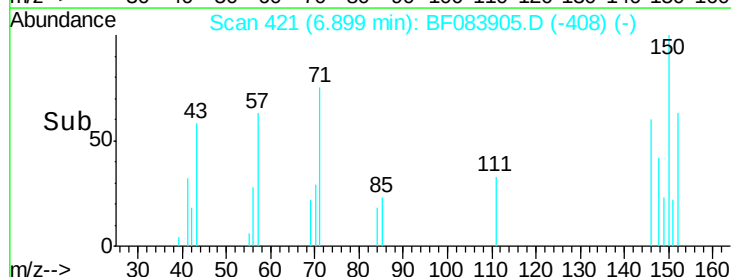
Abundance Ion 146.00 (145.70 to 146.70): E

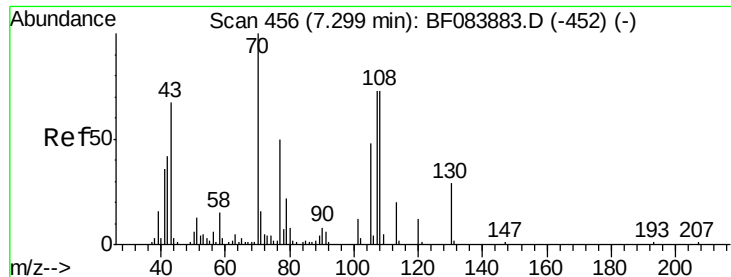
Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E



Time-->





#19

n-Nitroso-di-n-propylamine

Concen: 7.74 ng

RT: 7.45 min Scan# 469

Delta R.T. 0.15 min

Lab File: BF083905.D

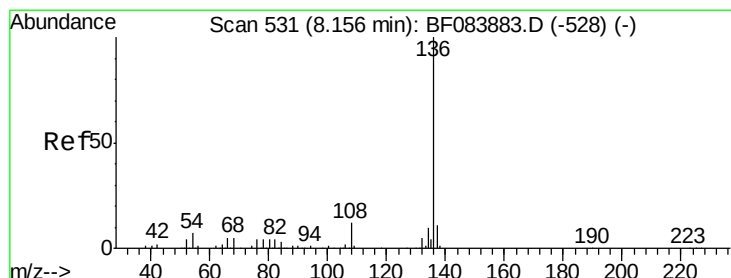
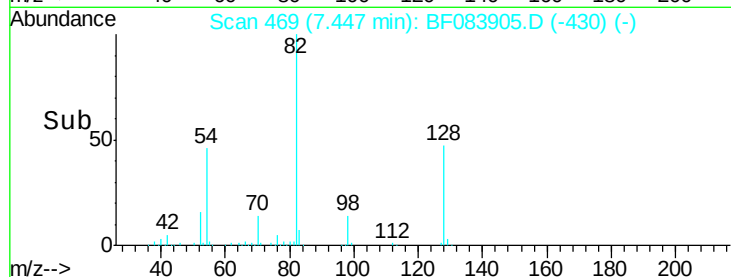
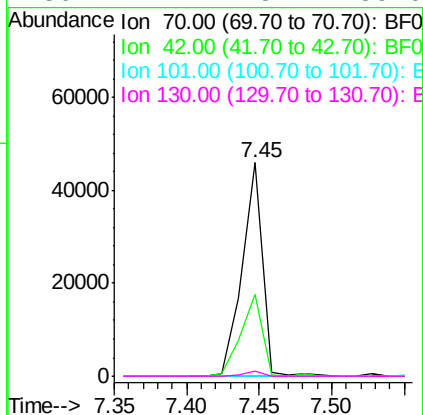
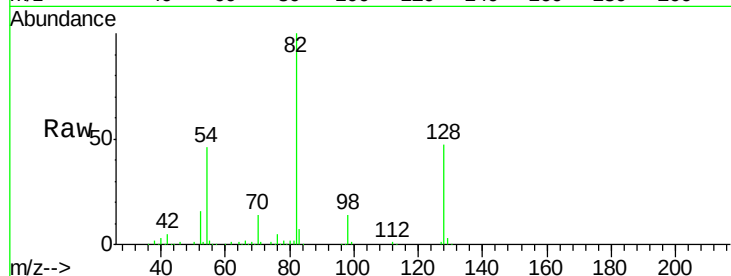
Acq: 18 Dec 2015 8:59

Instrument :

BNA_F

ClientSampleId :

Tot Ion:	70	Resp:	45016
Ion	Ratio	Lower	Upper
70	100		
42	38.2	33.3	49.9
101	0.0	9.3	13.9#
130	2.4	23.4	35.0#



#21

Naphthalene-d8

Concen: 20.00 ng

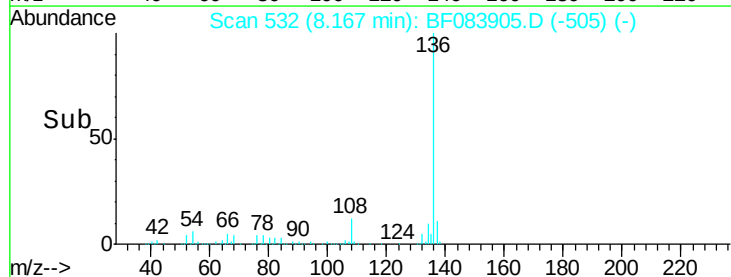
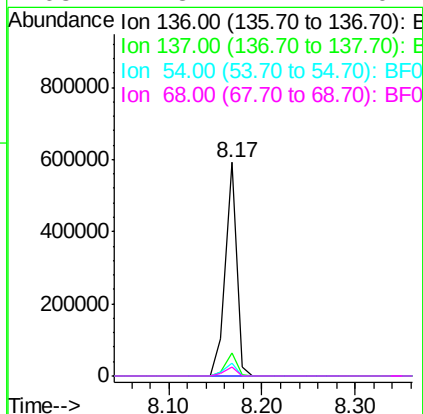
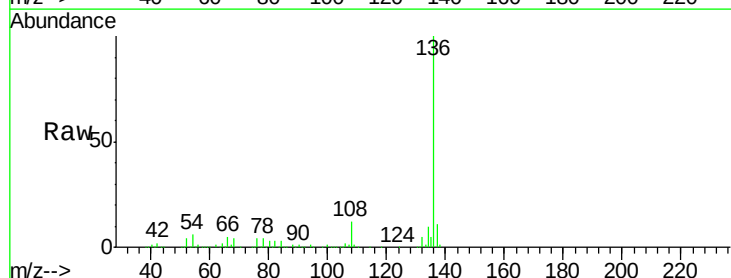
RT: 8.17 min Scan# 532

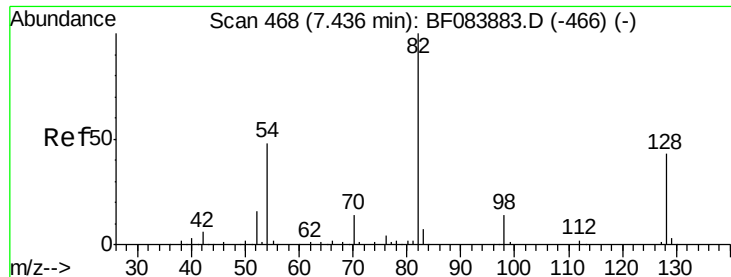
Delta R.T. 0.01 min

Lab File: BF083905.D

Acq: 18 Dec 2015 8:59

Tgt Ion:	136	Resp:	498526
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.7	13.1
54	6.0	5.8	8.8
68	4.3	4.2	6.2

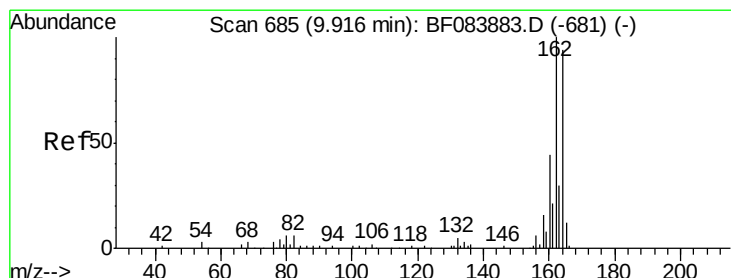
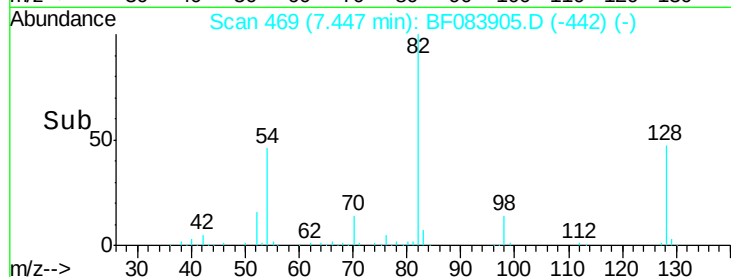
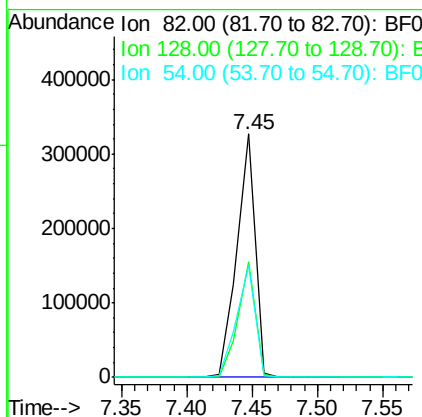
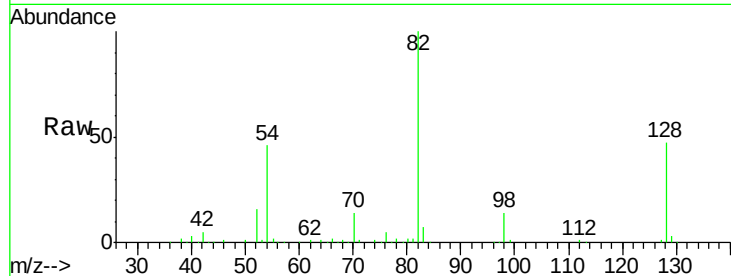




#23
 Nitrobenzene-d5
 Concen: 36.39 ng
 RT: 7.45 min Scan# 469
 Delta R.T. 0.01 min
 Lab File: BF083905.D
 Acq: 18 Dec 2015 8:59

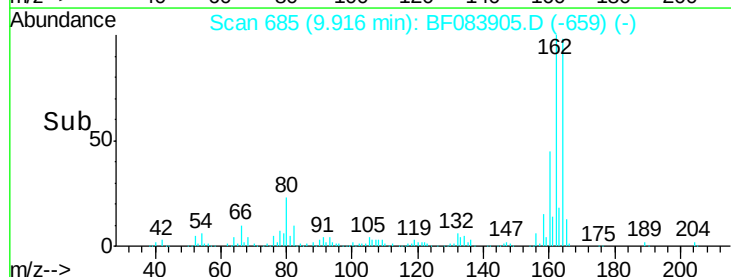
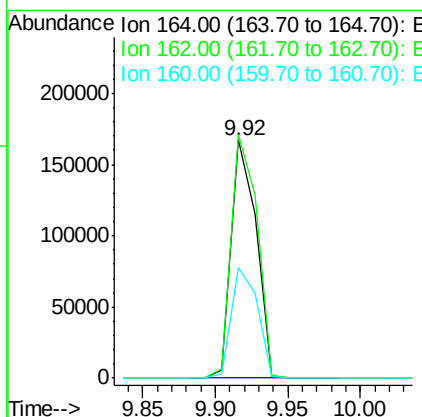
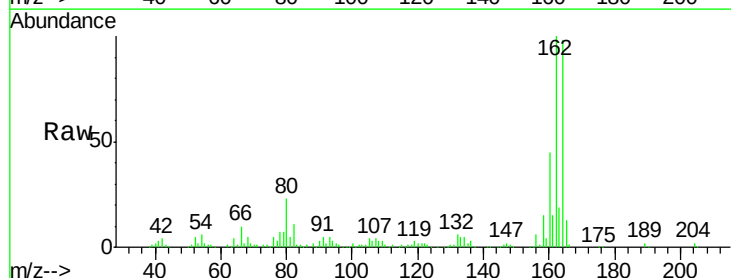
Instrument :
 BNA_F
 ClientSampled :

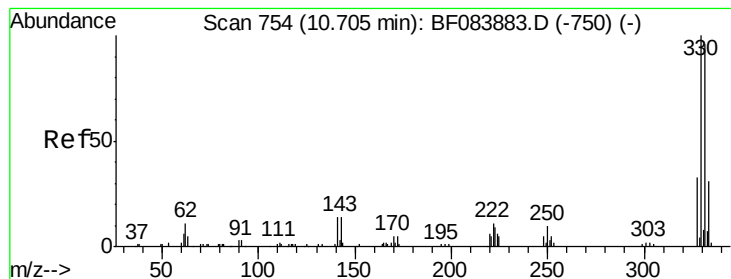
Tot Ion	82	Resp	317901
Ion Ratio	Lower	Upper	
82	100		
128	47.3	34.6	51.8
54	45.9	38.4	57.6



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.92 min Scan# 685
 Delta R.T. -0.00 min
 Lab File: BF083905.D
 Acq: 18 Dec 2015 8:59

Tgt Ion	164	Resp	199732
Ion Ratio	Lower	Upper	
164	100		
162	102.1	85.1	127.7
160	46.2	37.5	56.3

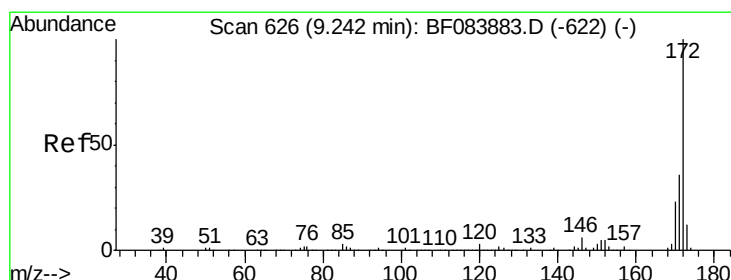
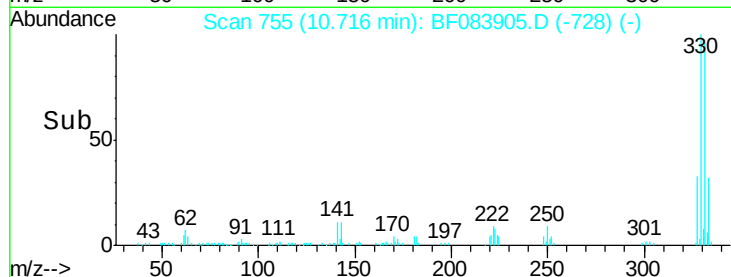
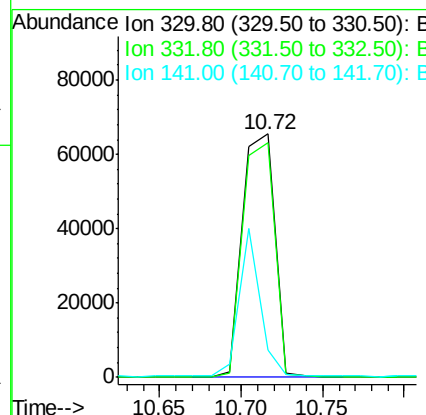
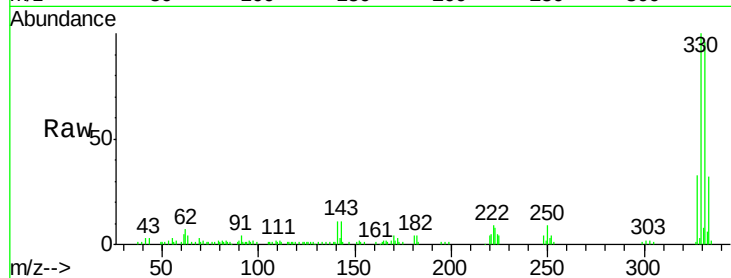




#41
 2,4,6-Tribromophenol
 Concen: 40.71 ng
 RT: 10.72 min Scan# 755
 Delta R.T. 0.01 min
 Lab File: BF083905.D
 Acq: 18 Dec 2015 8:59

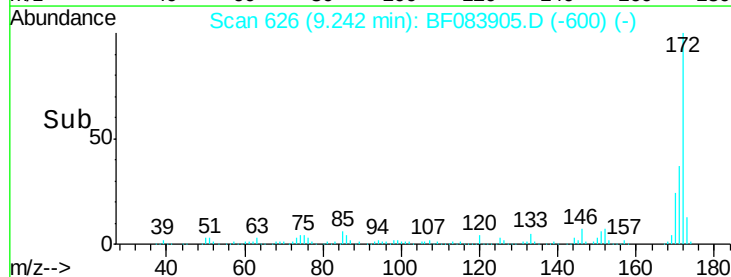
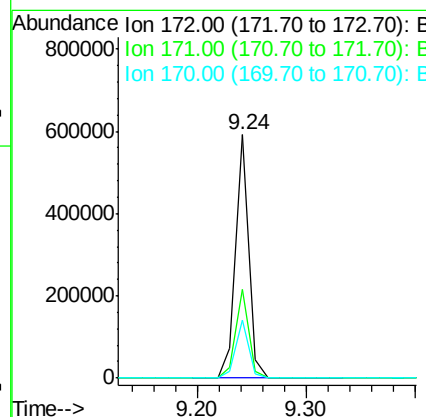
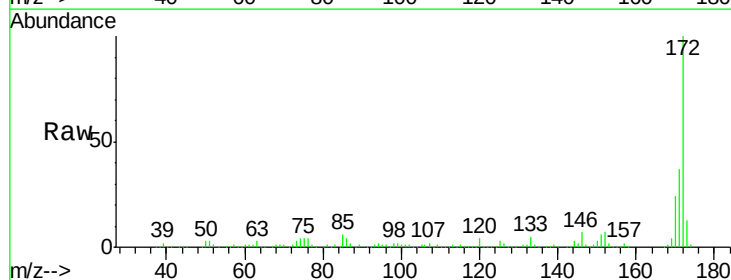
Instrument :
 BNA_F
 ClientSampleId :

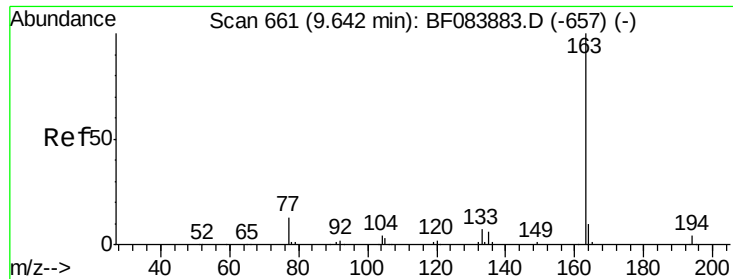
Tot Ion:330 Resp: 89575
 Ion Ratio Lower Upper
 330 100
 332 95.9 76.6 114.8
 141 42.4 27.8 41.6#



#44
 2-Fluorobiphenyl
 Concen: 31.03 ng
 RT: 9.24 min Scan# 626
 Delta R.T. 0.00 min
 Lab File: BF083905.D
 Acq: 18 Dec 2015 8:59

Tgt Ion:172 Resp: 490783
 Ion Ratio Lower Upper
 172 100
 171 36.5 28.9 43.3
 170 23.7 18.6 27.8

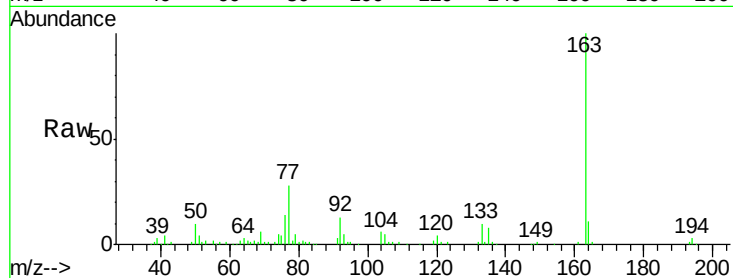




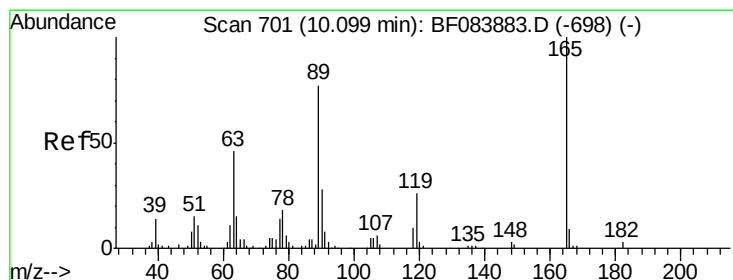
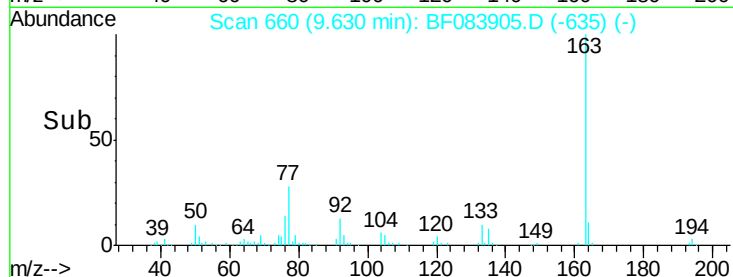
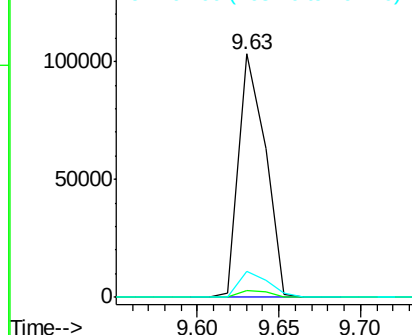
#49
Dimethylphthalate
Concen: 6.95 ng
RT: 9.63 min Scan# 660
Delta R.T. -0.01 min
Lab File: BF083905.D
Acq: 18 Dec 2015 8:59

Instrument :
BNA_F
ClientSampled :

Tot Ion:163 Resp: 116447
Ion Ratio Lower Upper
163 100
194 2.9 3.0 4.6#
164 10.8 7.9 11.9

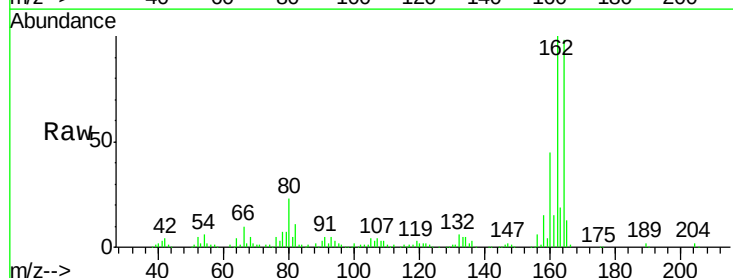


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

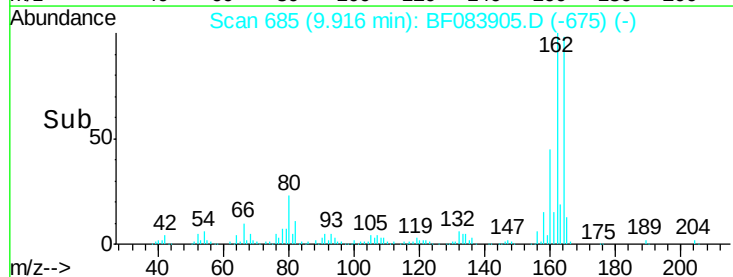
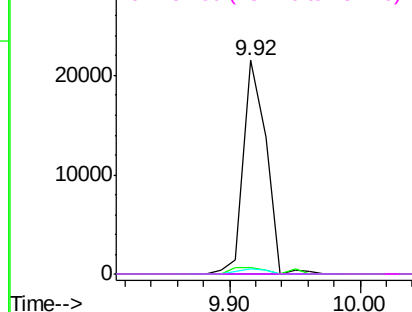


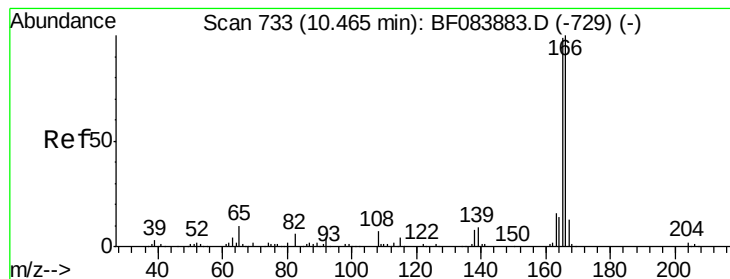
#56
2,4-Dinitrotoluene
Concen: 5.54 ng
RT: 9.92 min Scan# 685
Delta R.T. -0.18 min
Lab File: BF083905.D
Acq: 18 Dec 2015 8:59

Tgt Ion:165 Resp: 25942
Ion Ratio Lower Upper
165 100
63 2.7 36.7 55.1#
89 2.4 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: 10.46 min Scan# 733

Delta R.T. 0.00 min

Lab File: BF083905.D

Acq: 18 Dec 2015 8:59

Instrument :

BNA_F

ClientSampleId :

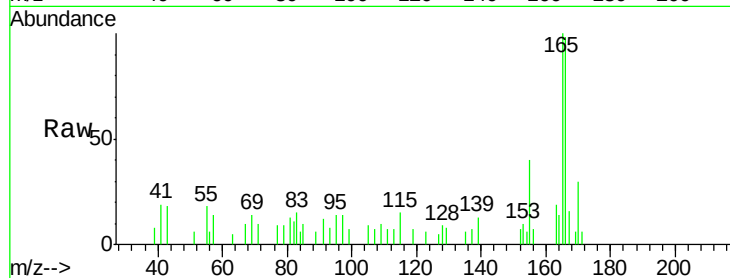
Tot Ion:166 Resp: 8196

Ion Ratio Lower Upper

166 100

165 102.4 79.1 118.7

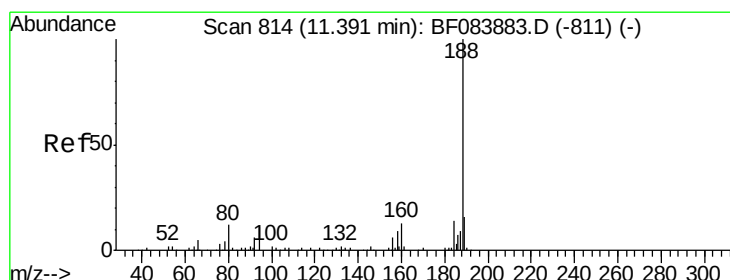
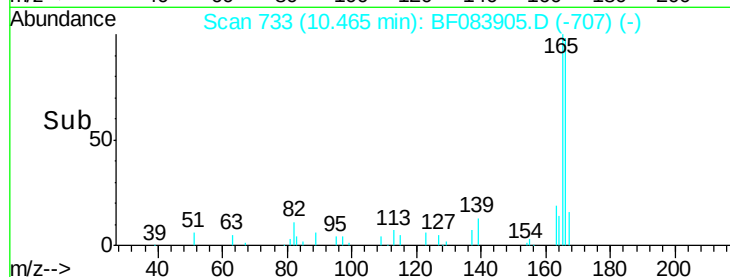
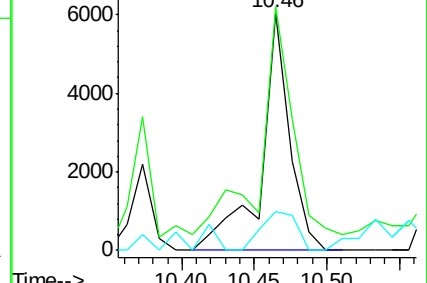
167 16.4 10.4 15.6#



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: 11.40 min Scan# 815

Delta R.T. 0.01 min

Lab File: BF083905.D

Acq: 18 Dec 2015 8:59

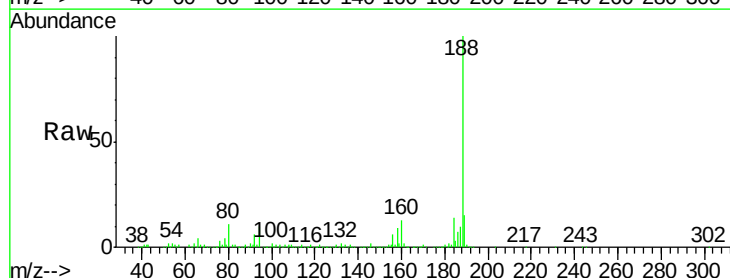
Tgt Ion:188 Resp: 297314

Ion Ratio Lower Upper

188 100

94 10.5 9.0 13.4

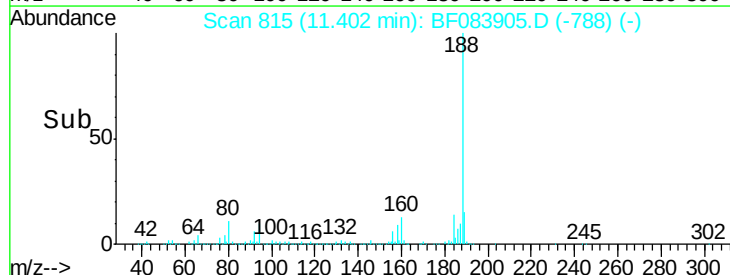
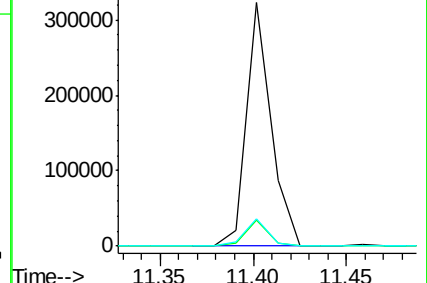
80 11.3 9.6 14.4

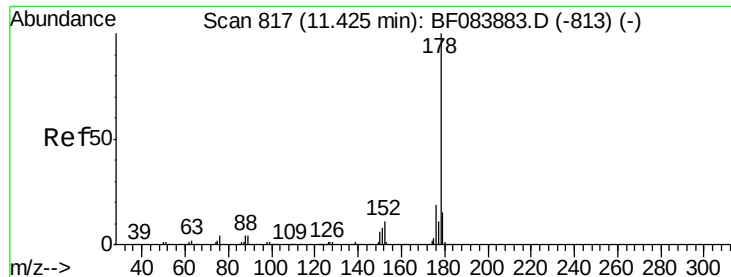


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#70

Phenanthrene

Concen: 4.21 ng

RT: 11.42 min Scan# 817

Delta R.T. -0.00 min

Lab File: BF083905.D

Acq: 18 Dec 2015 8:59

Instrument :

BNA_F

ClientSampleId :

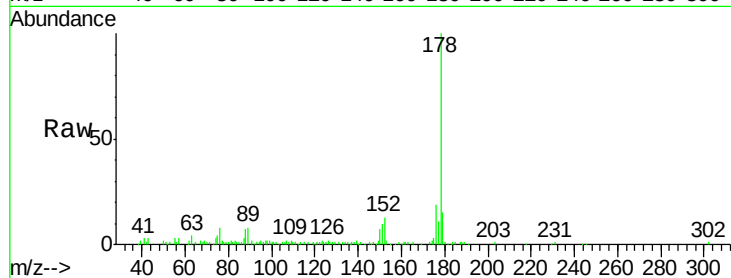
Tot Ion:178 Resp: 75679

Ion Ratio Lower Upper

178 100

176 18.5 15.3 22.9

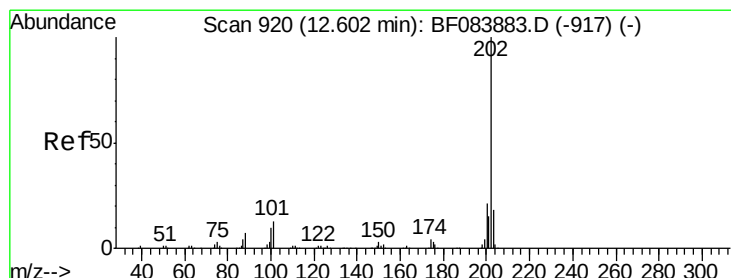
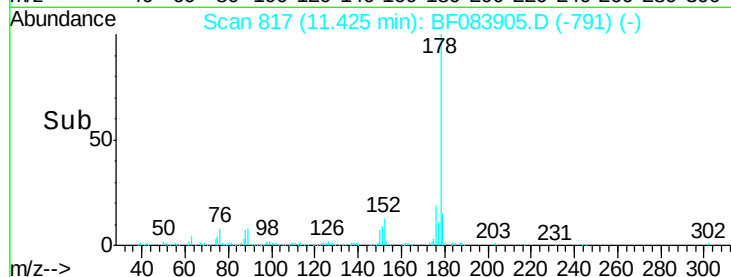
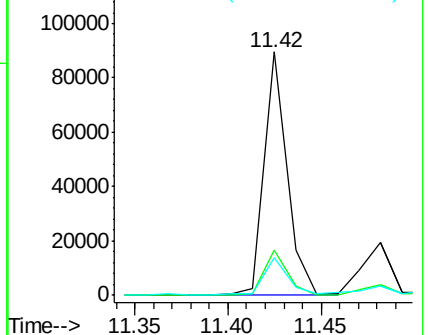
179 15.5 12.0 18.0



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: 6.47 ng

RT: 12.61 min Scan# 921

Delta R.T. 0.01 min

Lab File: BF083905.D

Acq: 18 Dec 2015 8:59

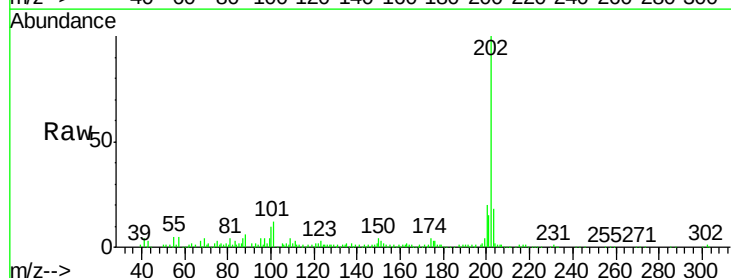
Tgt Ion:202 Resp: 115960

Ion Ratio Lower Upper

202 100

101 12.4 0.0 32.8

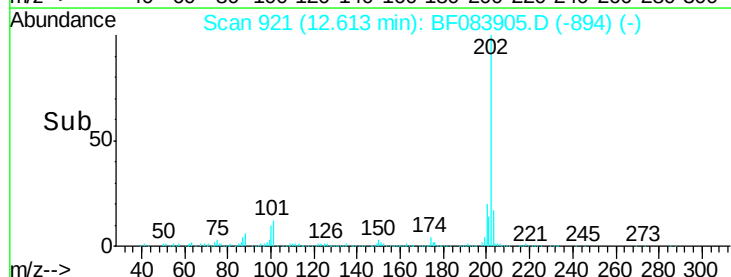
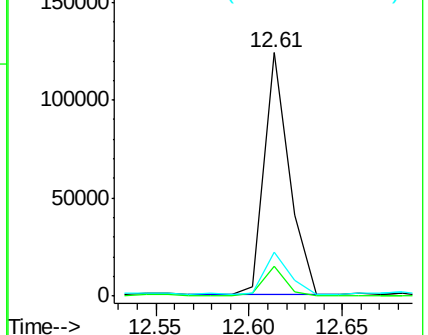
203 17.8 0.0 37.9

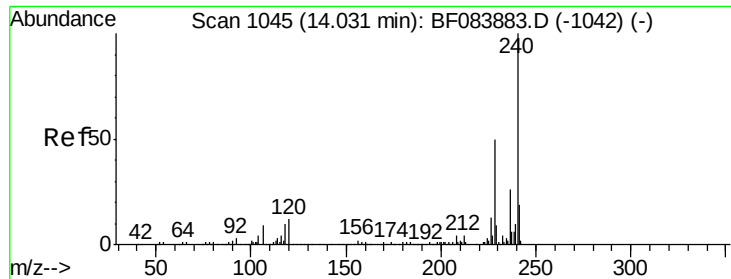


Abundance Ion 202.00 (201.70 to 202.70): E

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: 14.04 min Scan# 1046

Delta R.T. 0.01 min

Lab File: BF083905.D

Acq: 18 Dec 2015 8:59

Instrument :

BNA_F

ClientSampleId :

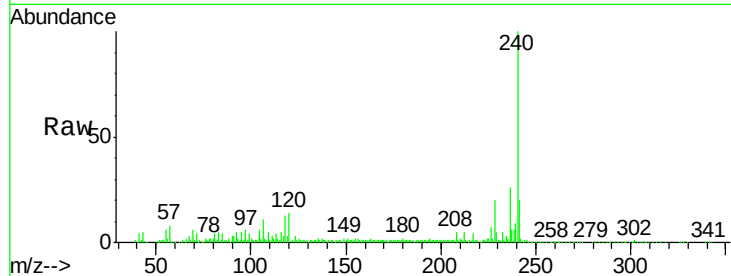
Tot Ion:240 Resp: 239955

Ion Ratio Lower Upper

240 100

120 14.3 9.5 14.3#

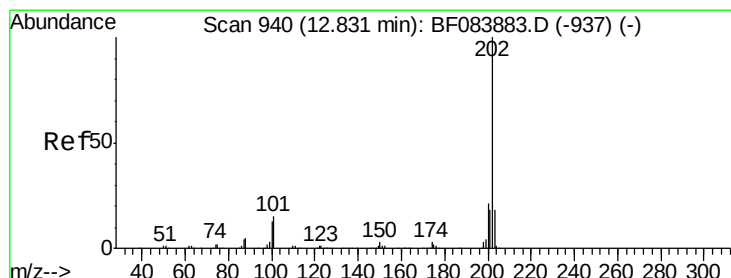
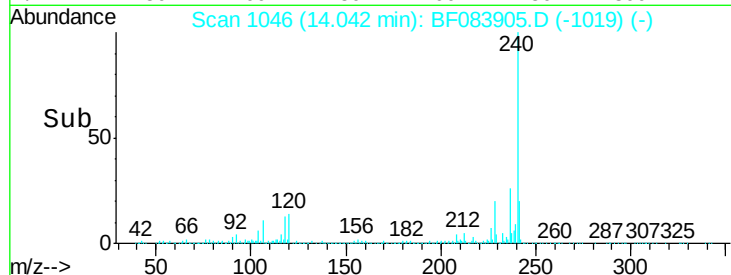
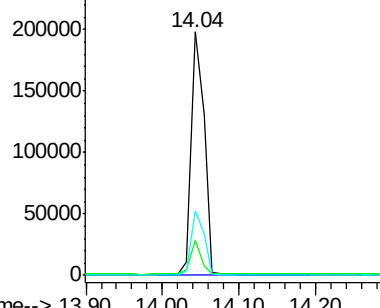
236 26.2 20.6 31.0



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: 5.62 ng

RT: 12.84 min Scan# 941

Delta R.T. 0.01 min

Lab File: BF083905.D

Acq: 18 Dec 2015 8:59

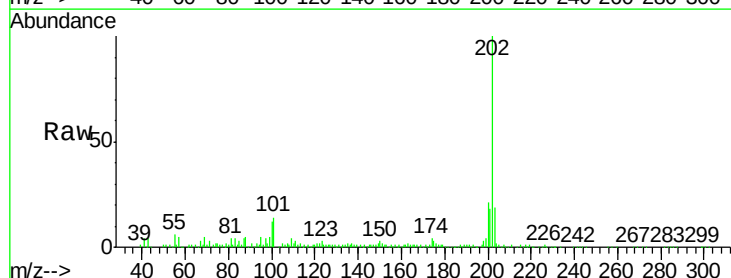
Tgt Ion:202 Resp: 124880

Ion Ratio Lower Upper

202 100

200 20.7 17.2 25.8

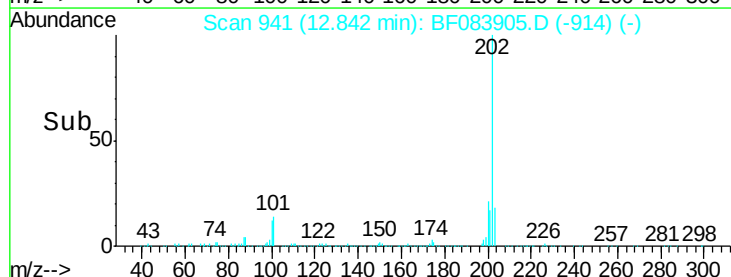
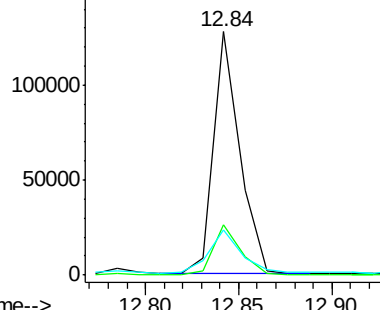
203 18.5 14.3 21.5

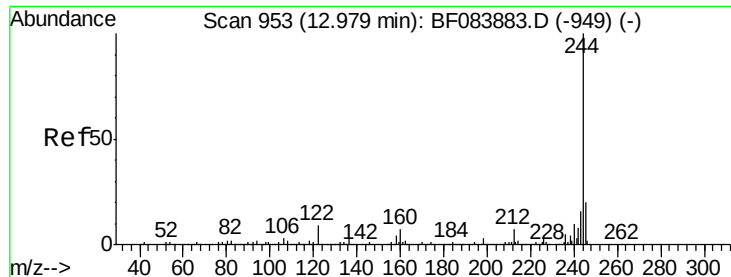


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 26.63 ng

RT: 12.99 min Scan# 954

Delta R.T. 0.01 min

Lab File: BF083905.D

Acq: 18 Dec 2015 8:59

Instrument :

BNA_F

ClientSampleId :

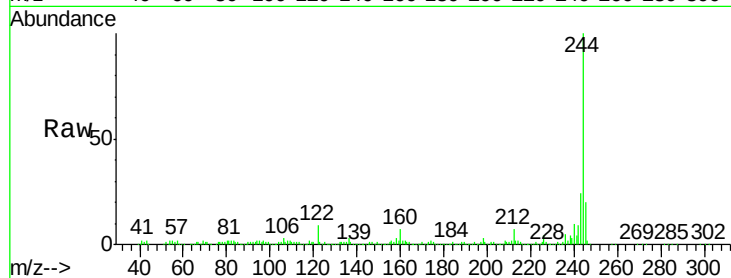
Tot Ion:244 Resp: 317529

Ion Ratio Lower Upper

244 100

212 7.2 5.7 8.5

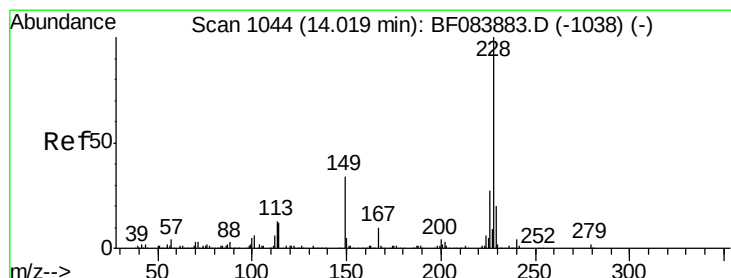
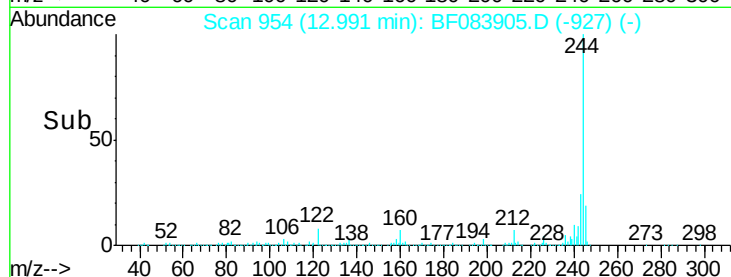
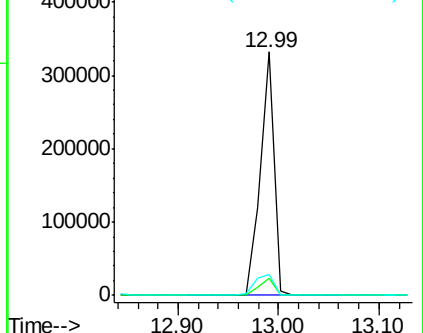
122 8.6 7.4 11.0



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: 4.68 ng

RT: 14.03 min Scan# 1045

Delta R.T. 0.01 min

Lab File: BF083905.D

Acq: 18 Dec 2015 8:59

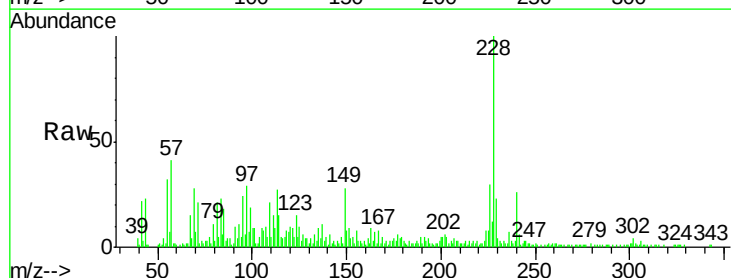
Tgt Ion:228 Resp: 69111

Ion Ratio Lower Upper

228 100

226 30.2 21.8 32.6

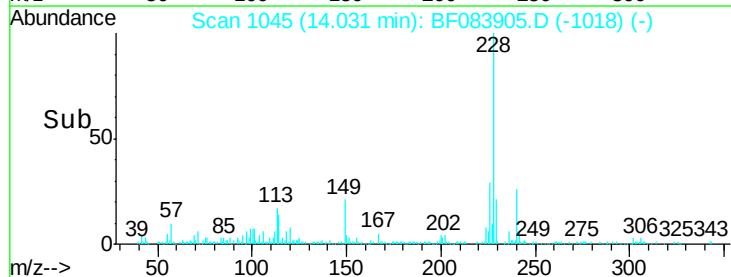
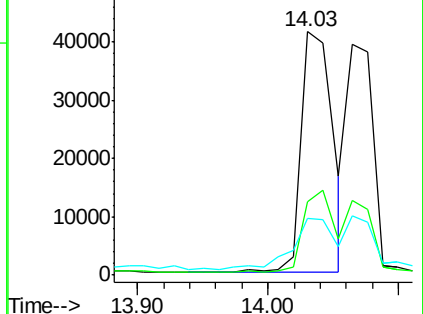
229 23.2 15.8 23.8

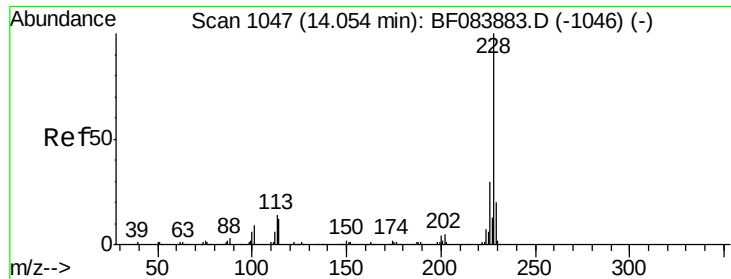


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

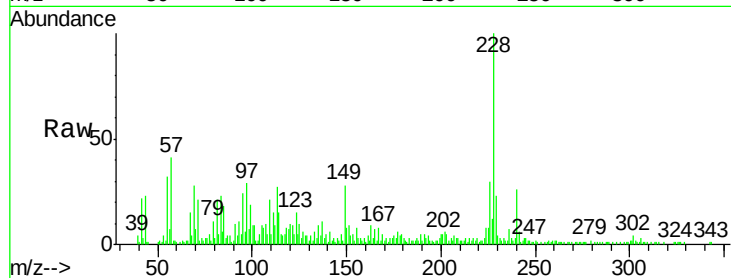




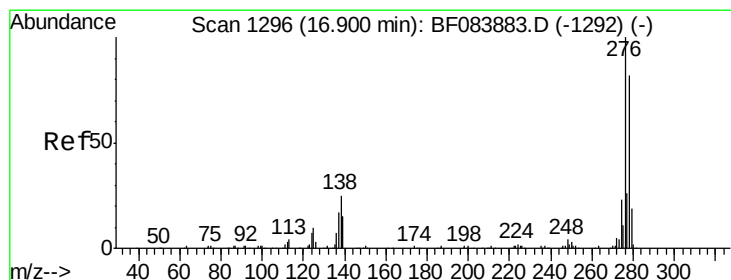
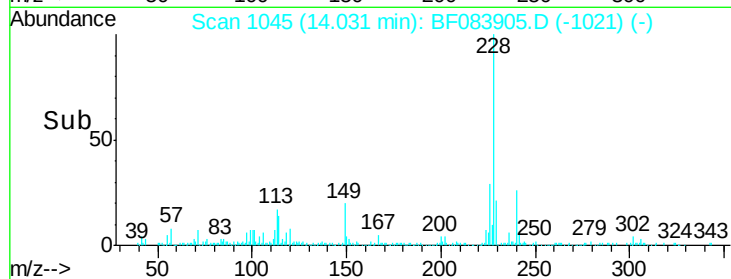
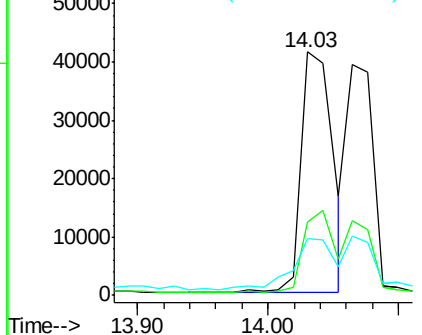
#82
Chrysene
Concen: 4.85 ng
RT: 14.03 min Scan# 1045
Delta R.T. -0.02 min
Lab File: BF083905.D
Acq: 18 Dec 2015 8:59

Instrument :
BNA_F
ClientSampleId :

Tot Ion:228 Resp: 69111
Ion Ratio Lower Upper
228 100
226 30.2 24.3 36.5
229 23.2 16.1 24.1

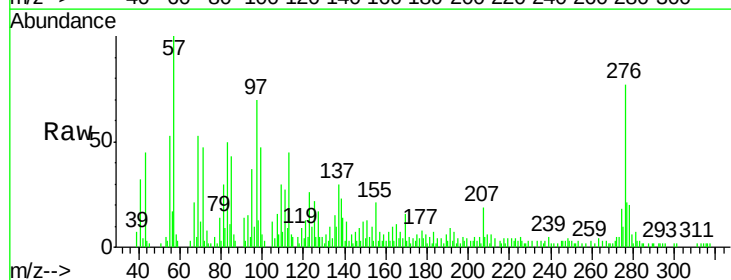


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

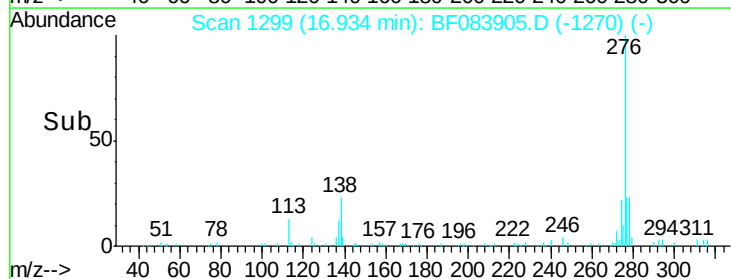
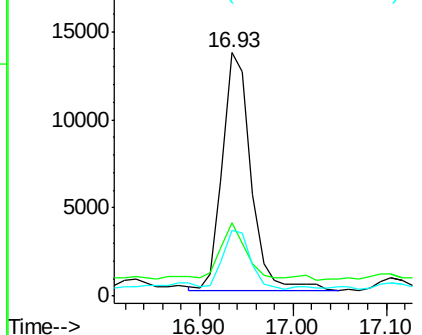


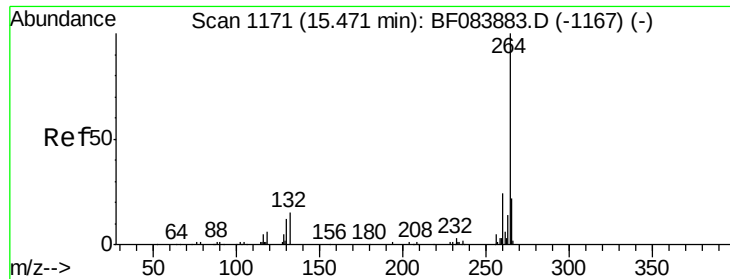
#85
Indeno(1,2,3-cd)pyrene
Concen: 2.70 ng
RT: 16.93 min Scan# 1299
Delta R.T. 0.03 min
Lab File: BF083905.D
Acq: 18 Dec 2015 8:59

Tgt Ion:276 Resp: 28791
Ion Ratio Lower Upper
276 100
138 23.6 20.6 30.8
277 24.5 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

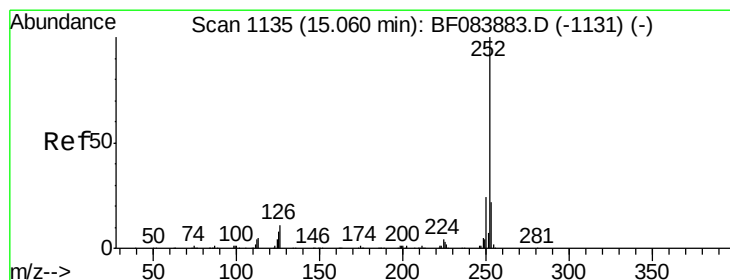
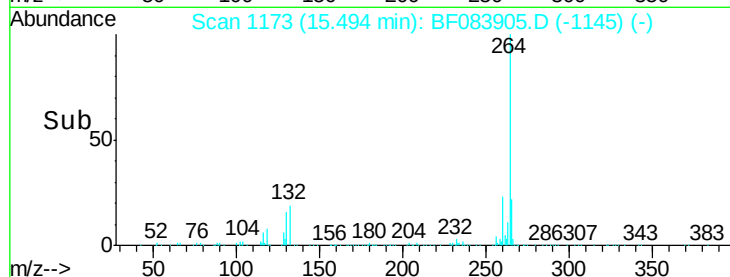
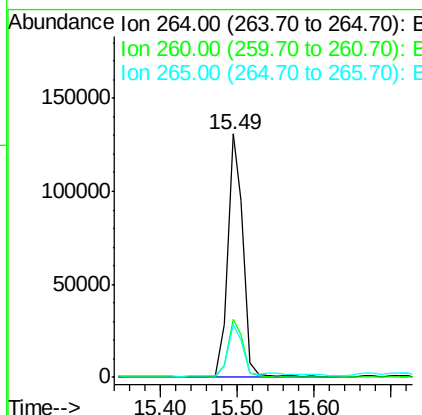
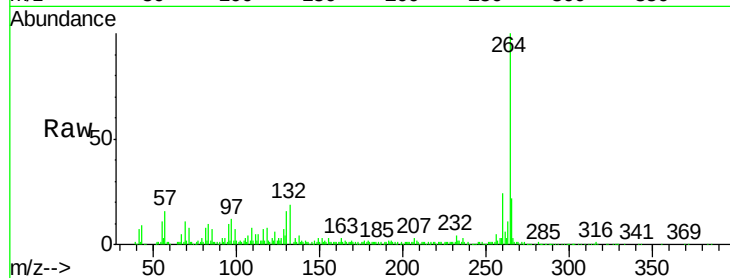




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.49 min Scan# 1173
Delta R.T. 0.02 min
Lab File: BF083905.D
Acq: 18 Dec 2015 8:59

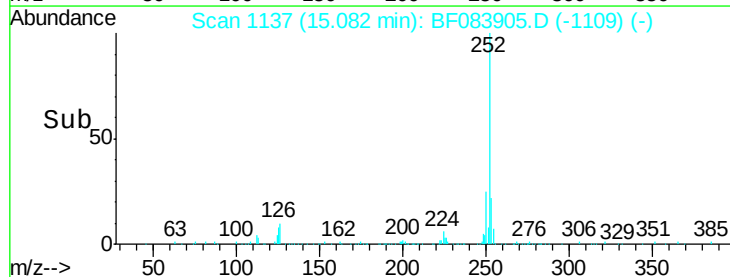
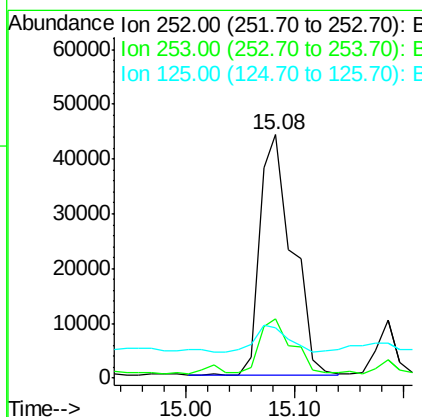
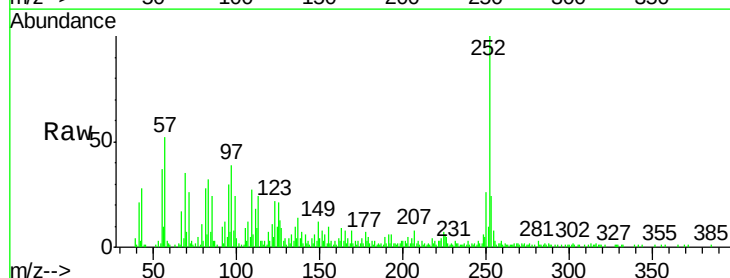
Instrument :
BNA_F
ClientSampleId :

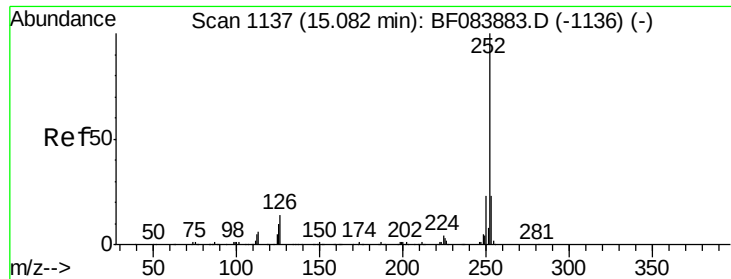
Tot Ion:264 Resp: 186472
Ion Ratio Lower Upper
264 100
260 23.7 19.4 29.2
265 21.9 17.8 26.6



#87
Benzo(b)fluoranthene
Concen: 6.76 ng
RT: 15.08 min Scan# 1137
Delta R.T. 0.02 min
Lab File: BF083905.D
Acq: 18 Dec 2015 8:59

Tgt Ion:252 Resp: 91857
Ion Ratio Lower Upper
252 100
253 24.1 17.3 25.9
125 20.9 6.5 9.7#

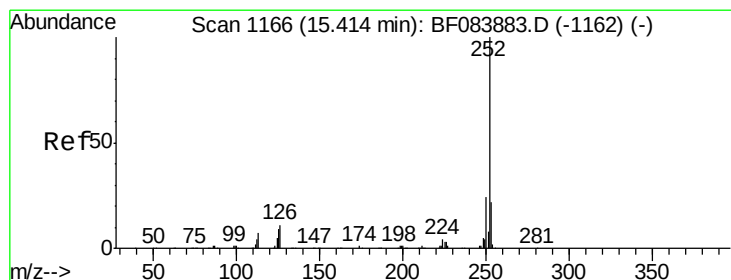
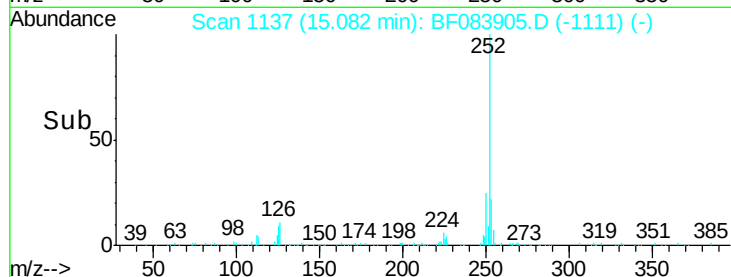
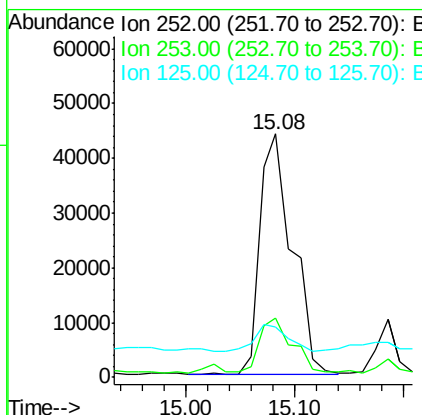
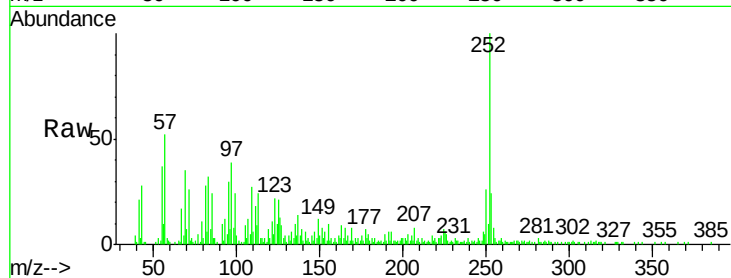




#88
Benzo(k)fluoranthene
Concen: 8.19 ng
RT: 15.08 min Scan# 1137
Delta R.T. -0.00 min
Lab File: BF083905.D
Acq: 18 Dec 2015 8:59

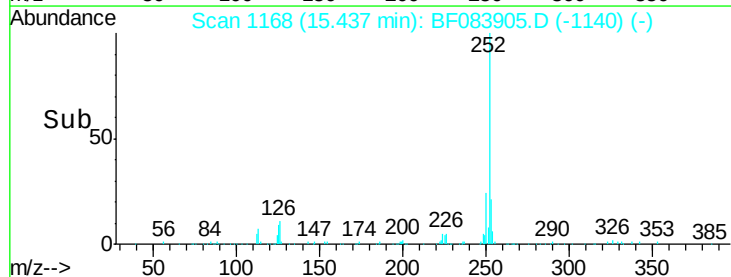
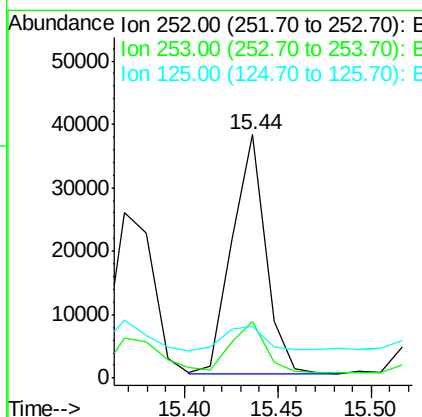
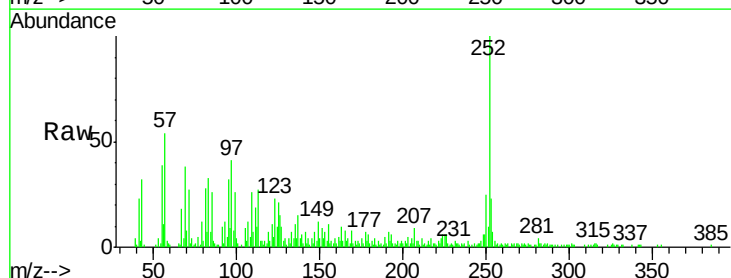
Instrument :
BNA_F
ClientSampled :

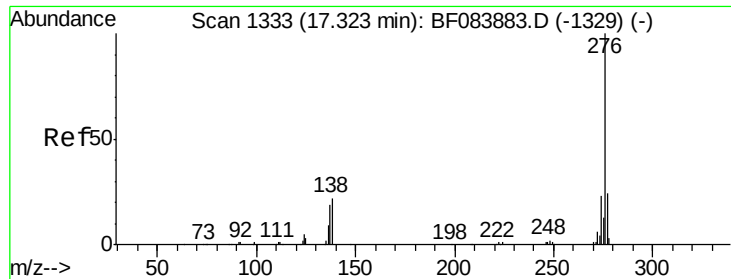
Tot Ion	Ratio	Lower	Upper
252	100		
253	24.1	18.1	27.1
125	20.9	9.0	13.6



#89
Benzo(a)pyrene
Concen: 4.22 ng
RT: 15.44 min Scan# 1168
Delta R.T. 0.02 min
Lab File: BF083905.D
Acq: 18 Dec 2015 8:59

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.3	25.9
125	21.0	7.0	10.4

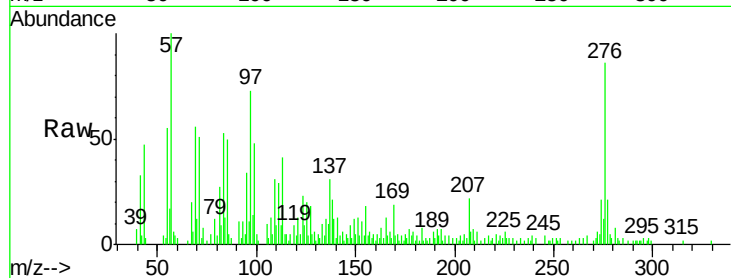




#91
 Benzo(a,h,i)perylene
 Concen: 3.72 ng
 RT: 17.38 min Scan# 1338
 Delta R.T. 0.06 min
 Lab File: BF083905.D
 Acq: 18 Dec 2015 8:59

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.6	18.8	28.2
138	24.3	17.8	26.6



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

