

Data Path : Z:\HPCHEM1\BNA F\DATA\BF091817\
 Data File : BF098606.D
 Acq On : 18 Sep 2017 17:08
 Operator : SJ/JU
 Sample : I5249-01
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 19 05:34:55 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF091117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Sep 18 13:37:24 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.63	152	114600	20.00	ng	0.00
21) Naphthalene-d8	7.92	136	463677	20.00	ng	0.00
38) Acenaphthene-d10	9.67	164	198361	20.00	ng	0.00
63) Phenanthrene-d10	11.15	188	310752	20.00	ng	0.00
75) Chrysene-d12	13.79	240	193483	20.00	ng	0.00
86) Perylene-d12	15.18	264	177316	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.25	112	823650	106.26	ng	0.00
7) Phenol-d6	6.29	99	1070669	108.80	ng	0.00
23) Nitrobenzene-d5	7.20	82	662791	79.69	ng	0.00
41) 2,4,6-Tribromophenol	10.46	330	143546	108.43	ng	0.00
44) 2-Fluorobiphenyl	8.99	172	931118	79.56	ng	0.00
78) Terphenyl-d14	12.73	244	574510	64.09	ng	0.00

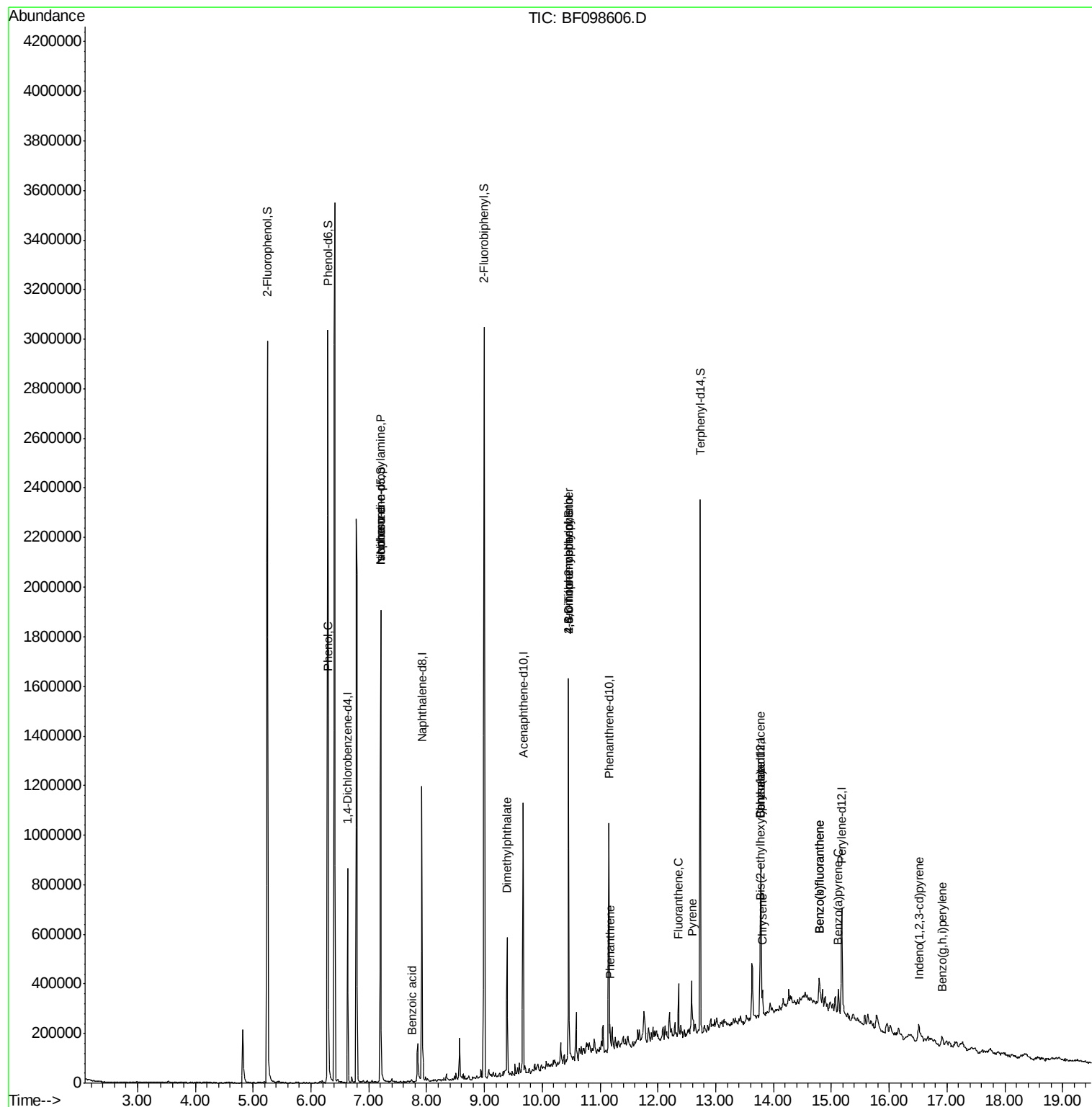
Target Compounds				Qvalue		
10) Phenol	6.30	94	35047	3.066	ng	92
19) n-Nitroso-di-n-propylamine	7.20	70	91269	14.744	ng	# 83
25) Isophorone	7.20	82	662783	39.386	ng	# 67
32) Benzoic acid	7.75	122	131	7.992	ng	# 35
49) Dimethylphthalate	9.39	163	162449	10.580	ng	99
64) 4,6-Dinitro-2-methylphenol	10.46	198	472	5.186	ng	# 1
66) 4-Bromophenyl-phenylether	10.46	248	10971	3.720	ng	# 1
70) Phenanthrene	11.17	178	42562	2.584	ng	98
74) Fluoranthene	12.36	202	83946	5.090	ng	97
77) Pyrene	12.59	202	85887	5.627	ng	97
80) Benzo(a)anthracene	13.77	228	39666	3.497	ng	92
82) Chrysene	13.81	228	44382	3.871	ng	97
83) Bis(2-ethylhexyl)phthalate	13.76	149	57476	6.916	ng	# 100
85) Indeno(1,2,3-cd)pyrene	16.51	276	18446	2.293	ng	95
87) Benzo(b)fluoranthene	14.79	252	67541	6.058	ng	# 94
88) Benzo(k)fluoranthene	14.79	252	67541	6.489	ng	98
89) Benzo(a)pyrene	15.12	252	38480	3.874	ng	# 95
91) Benzo(g,h,i)perylene	16.91	276	20964	2.885	ng	# 92

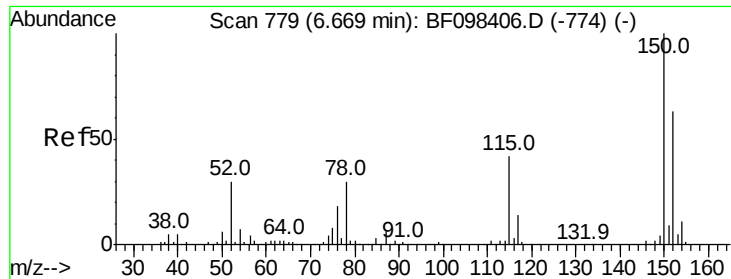
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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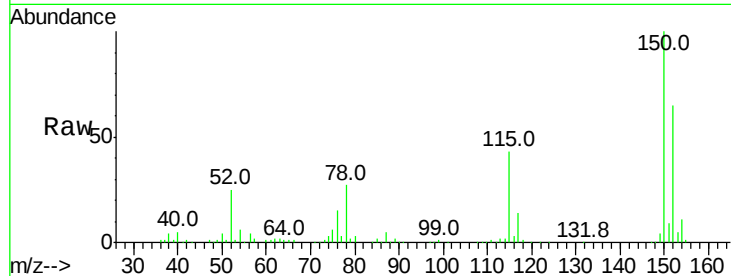


#1

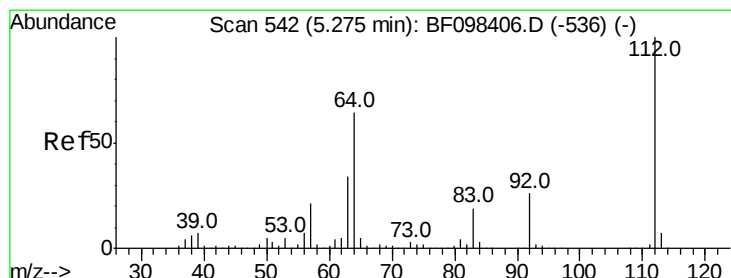
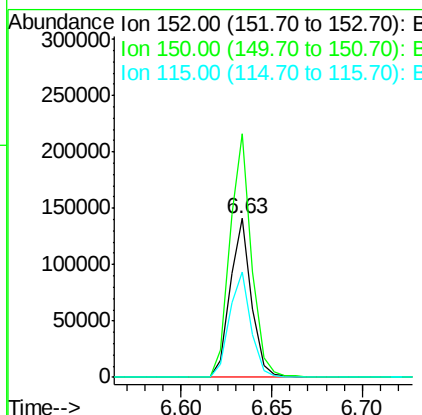
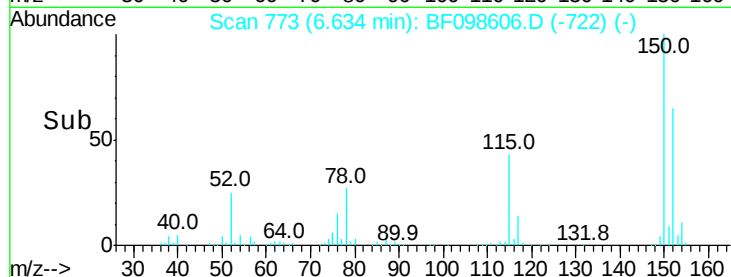
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.63 min Scan# 773
Delta R.T. -0.00 min
Lab File: BF098606.D
Acq: 18 Sep 2017 17:08

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 114600
Ion Ratio Lower Upper
152 100
150 153.2 126.2 189.2
115 66.1 52.2 78.2



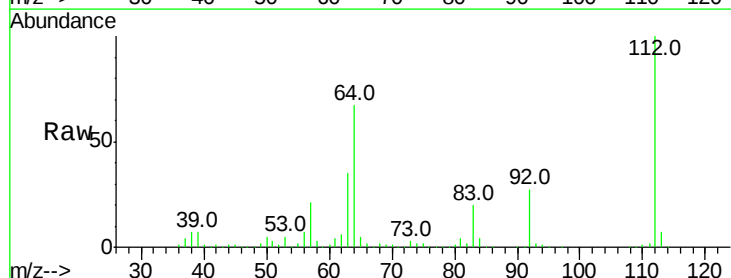
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



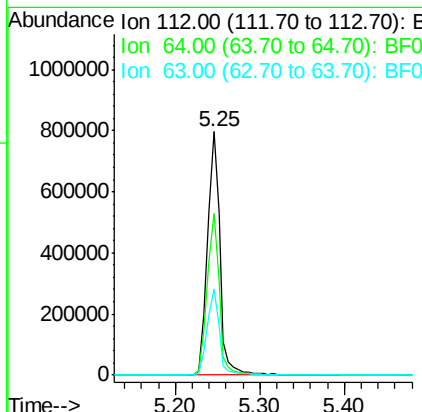
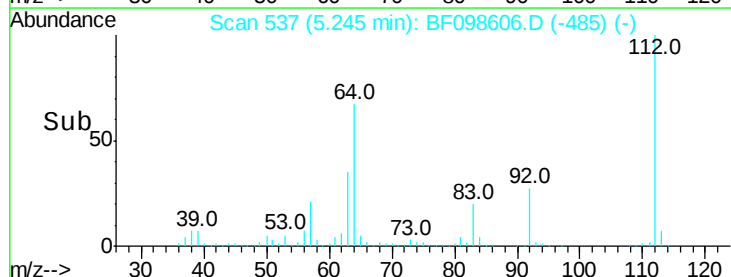
#5

2-Fluorophenol
Concen: 106.264 ng
RT: 5.25 min Scan# 537
Delta R.T. 0.01 min
Lab File: BF098606.D
Acq: 18 Sep 2017 17:08

Tgt Ion:112 Resp: 823650
Ion Ratio Lower Upper
112 100
64 66.6 46.0 69.0
63 35.5 23.4 35.0#



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: 108.795 ng

RT: 6.29 min Scan# 715

Delta R.T. -0.00 min

Lab File: BF098606.D

Acq: 18 Sep 2017 17:08

Instrument :

BNA_F

ClientSampled :

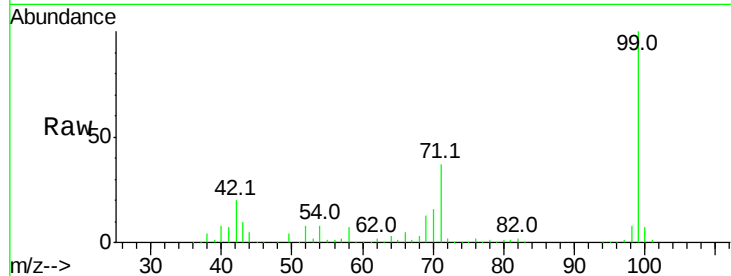
Tot Ion: 99 Resp: 1070669

Ion Ratio Lower Upper

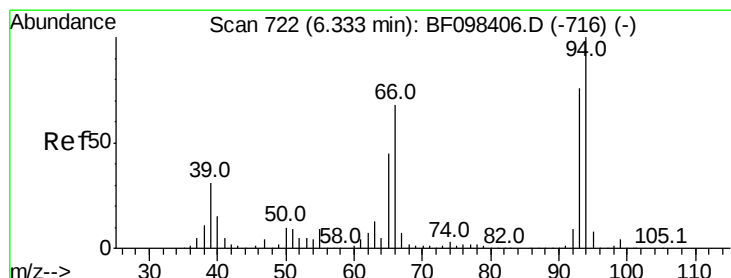
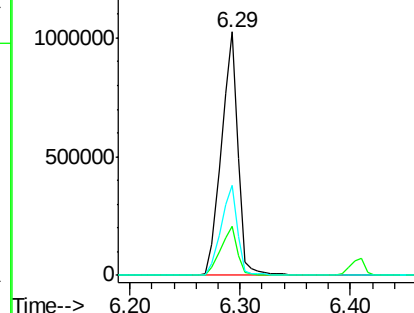
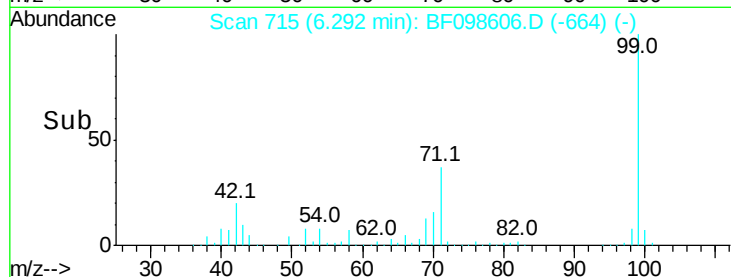
99 100

42 20.4 13.5 20.3#

71 37.1 24.5 36.7#



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



#10

Phenol

Concen: 3.066 ng

RT: 6.30 min Scan# 717

Delta R.T. -0.00 min

Lab File: BF098606.D

Acq: 18 Sep 2017 17:08

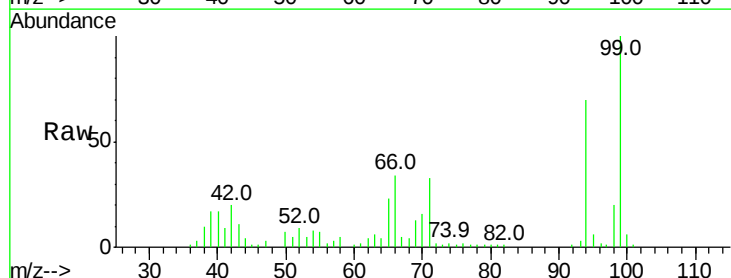
Tgt Ion: 94 Resp: 35047

Ion Ratio Lower Upper

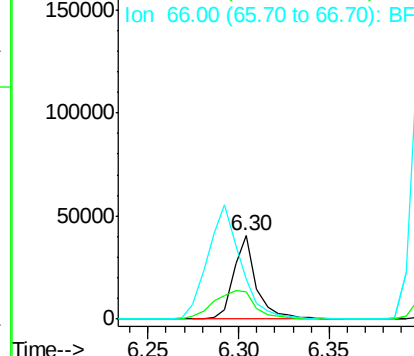
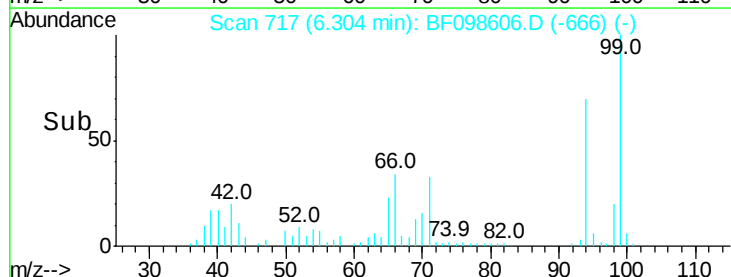
94 100

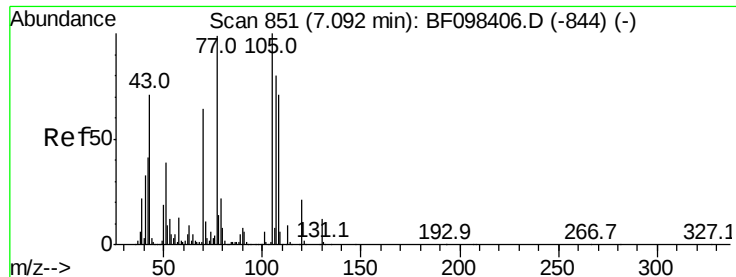
65 32.8 9.9 49.9

66 49.0 23.1 63.1



Abundance Ion 94.00 (93.70 to 94.70): BF0
Ion 65.00 (64.70 to 65.70): BF0
Ion 66.00 (65.70 to 66.70): BF0





#19

n-Nitroso-di-n-propylamine

Concen: 14.744 ng

RT: 7.20 min Scan# 870

Delta R.T. 0.15 min

Lab File: BF098606.D

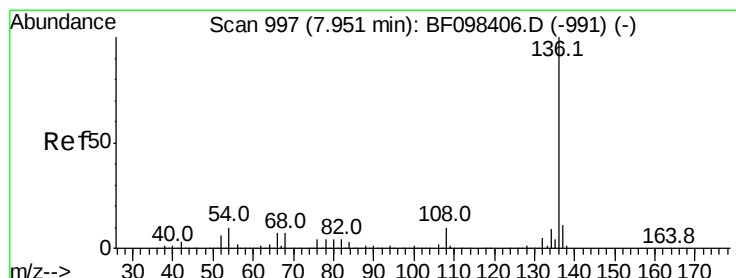
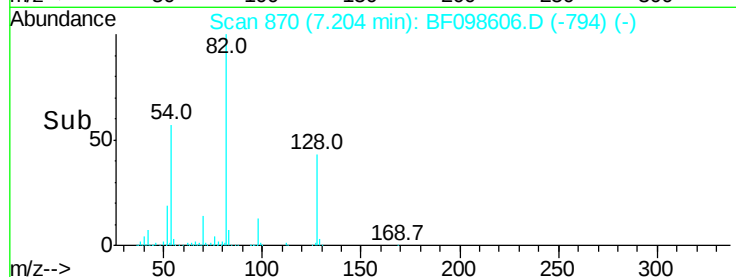
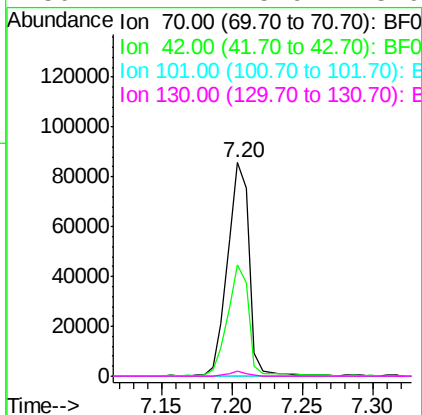
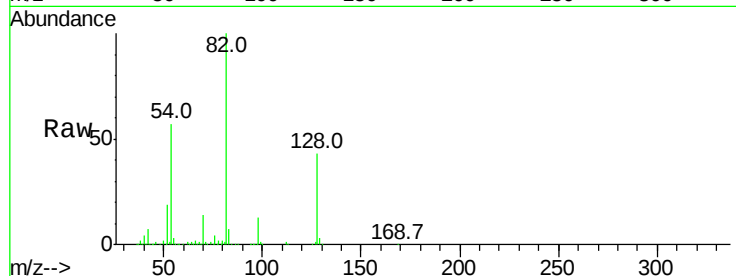
Acq: 18 Sep 2017 17:08

Instrument :

BNA_F

ClientSampleId :

Tot Ion:	70	Resp:	91269
Ion	Ratio	Lower	Upper
70	100		
42	52.0	47.2	70.8
101	0.0	7.2	10.8#
130	2.2	15.9	23.9#



#21

Naphthalene-d8

Concen: 20.000 ng

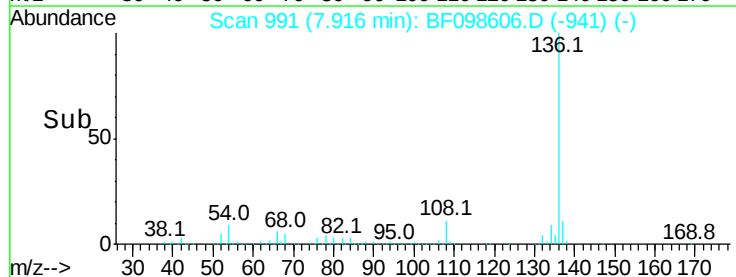
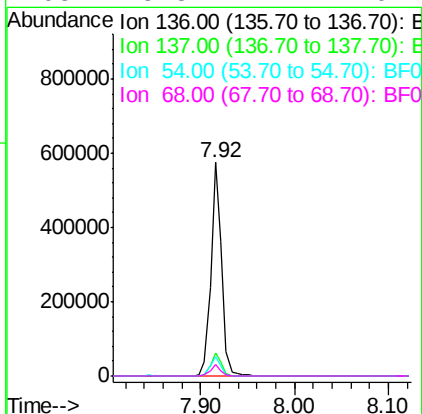
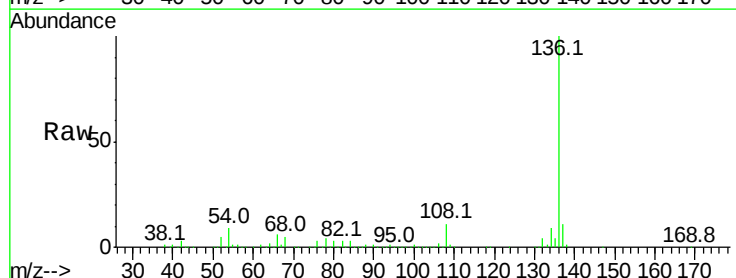
RT: 7.92 min Scan# 991

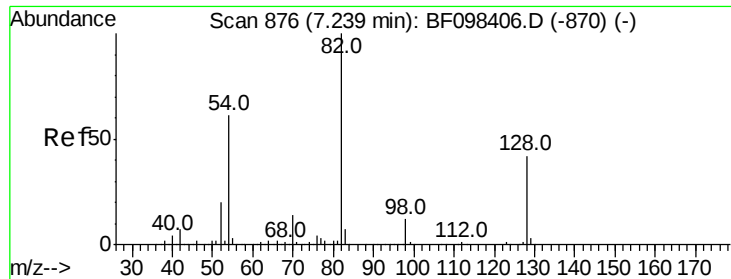
Delta R.T. -0.01 min

Lab File: BF098606.D

Acq: 18 Sep 2017 17:08

Tgt Ion:	136	Resp:	463677
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.5	12.7
54	9.2	4.9	7.3#
68	5.3	4.1	6.1

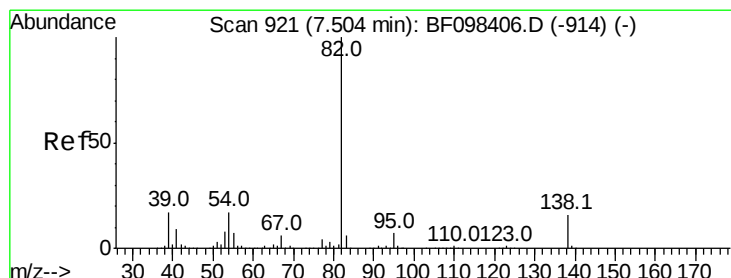
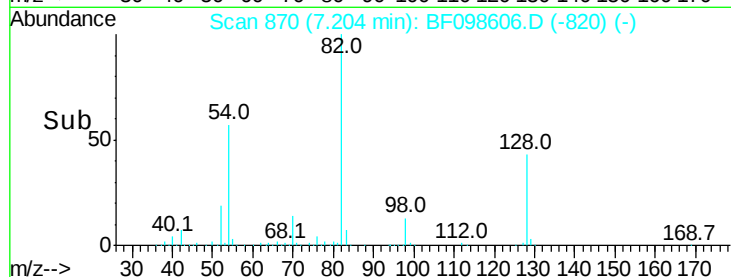
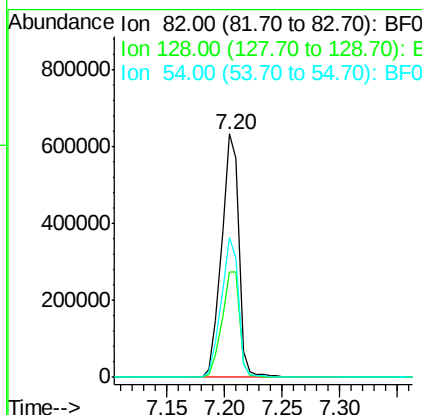
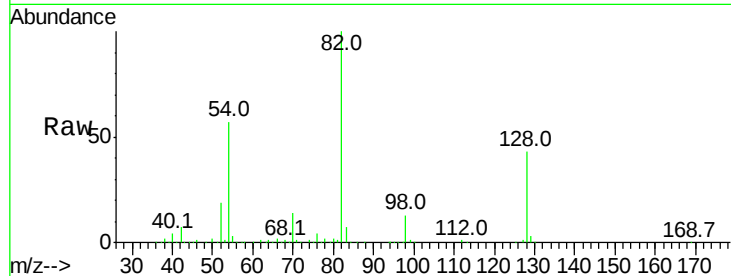




#23
 Nitrobenzene-d5
 Concen: 79.690 ng
 RT: 7.20 min Scan# 870
 Delta R.T. -0.01 min
 Lab File: BF098606.D
 Acq: 18 Sep 2017 17:08

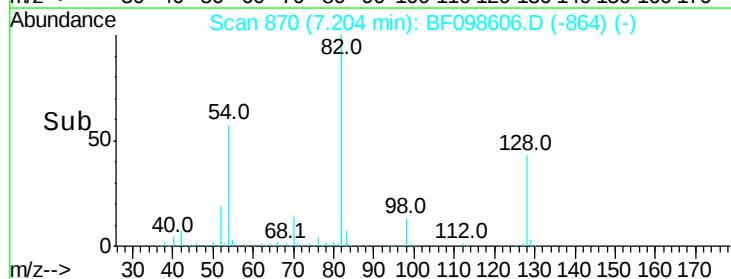
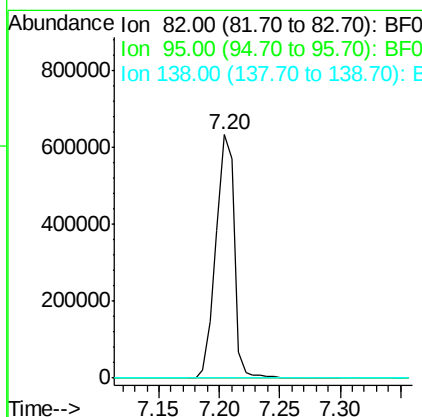
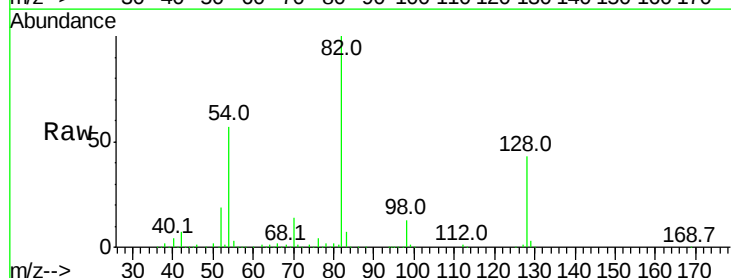
Instrument :
 BNA_F
 ClientSampled :

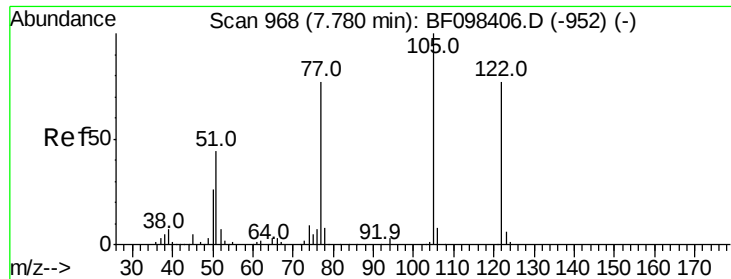
Tot Ion	82	Resp	662791
Ion Ratio	100	Lower	Upper
128	43.2	34.0	51.0
54	57.3	42.2	63.2



#25
 Isophorone
 Concen: 39.386 ng
 RT: 7.20 min Scan# 870
 Delta R.T. -0.26 min
 Lab File: BF098606.D
 Acq: 18 Sep 2017 17:08

Tgt Ion	82	Resp	662783
Ion Ratio	100	Lower	Upper
95	0.1	5.3	7.9#
138	0.0	13.1	19.7#

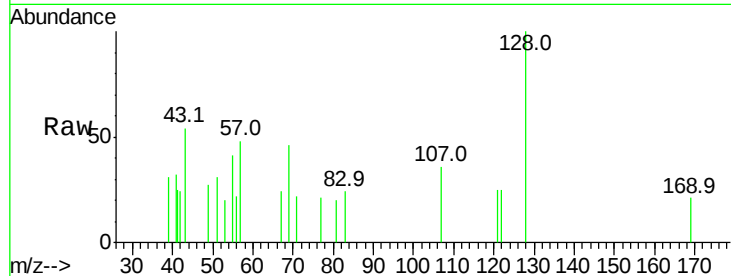




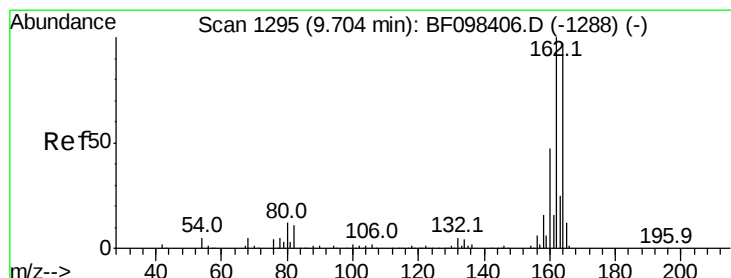
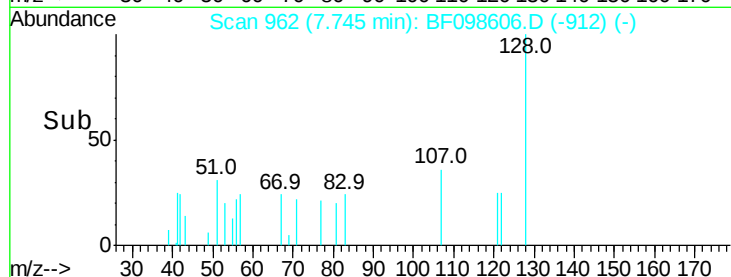
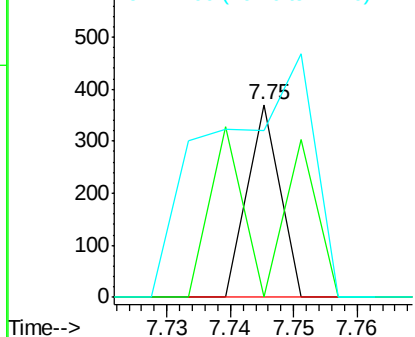
#32
Benzoic acid
Concen: 7.992 ng
RT: 7.75 min Scan# 962
Delta R.T. -0.01 min
Lab File: BF098606.D
Acq: 18 Sep 2017 17:08

Instrument :
BNA_F
ClientSampleId :

Tot Ion:122 Resp: 131
Ion Ratio Lower Upper
122 100
105 0.0 103.3 143.3#
77 86.8 73.7 113.7

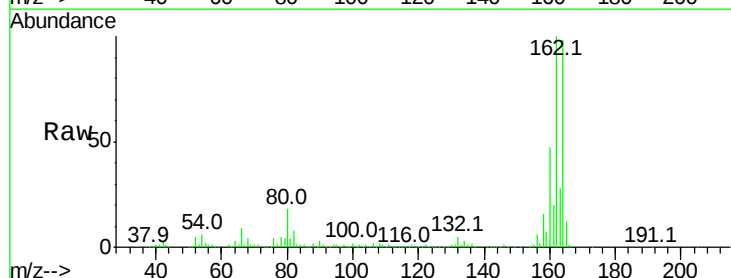


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): E

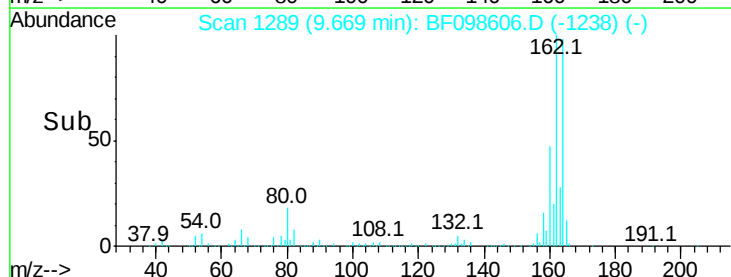
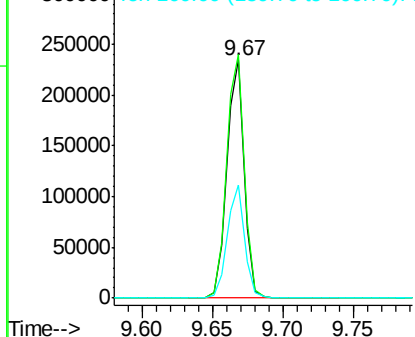


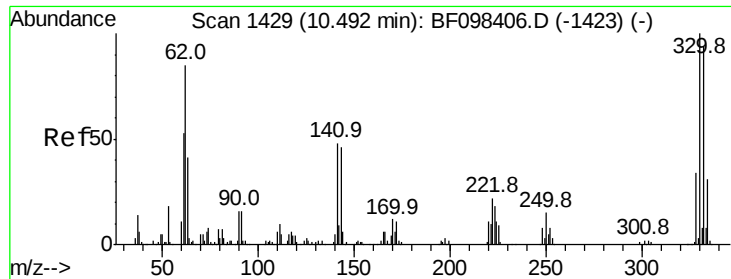
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.67 min Scan# 1289
Delta R.T. -0.00 min
Lab File: BF098606.D
Acq: 18 Sep 2017 17:08

Tgt Ion:164 Resp: 198361
Ion Ratio Lower Upper
164 100
162 102.3 82.6 123.8
160 47.6 36.2 54.2



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

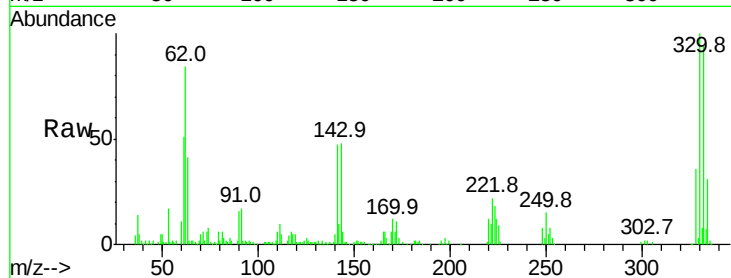




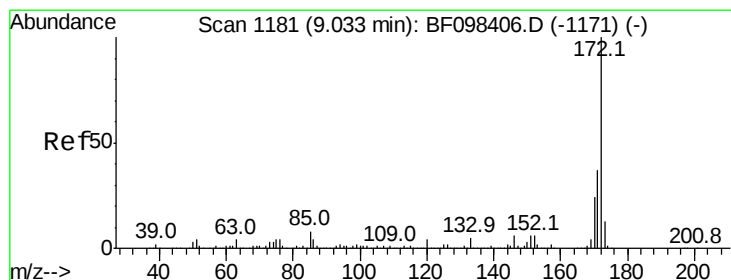
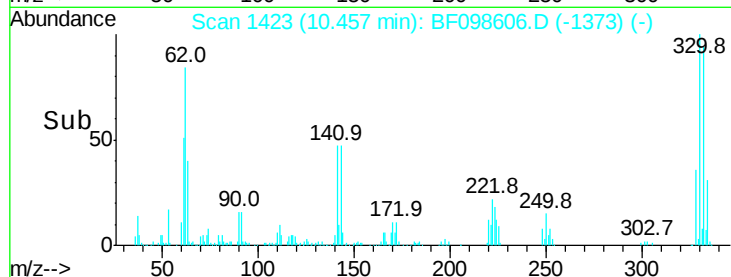
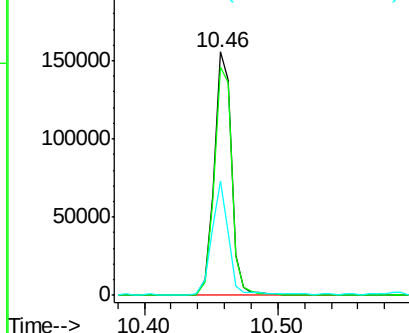
#41
 2,4,6-Tribromophenol
 Concen: 108.427 ng
 RT: 10.46 min Scan# 1423
 Delta R.T. -0.01 min
 Lab File: BF098606.D
 Acq: 18 Sep 2017 17:08

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.0	76.6	115.0
141	43.7	31.4	47.2

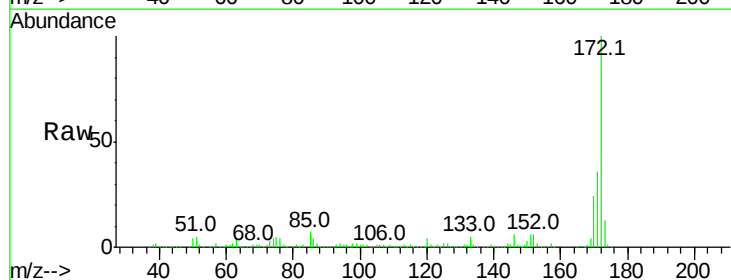


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

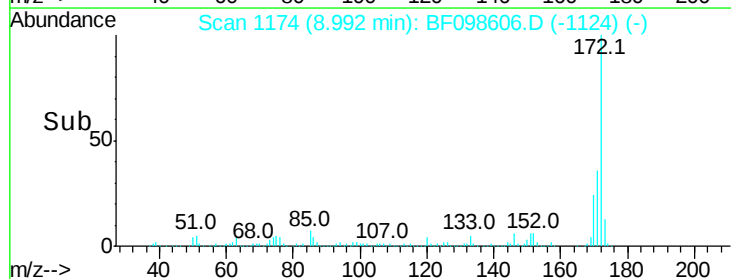
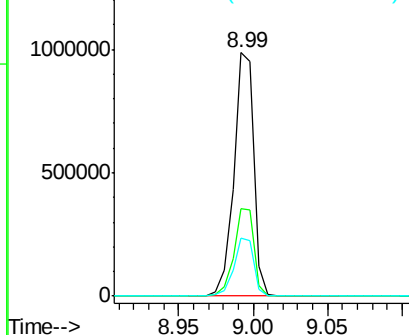


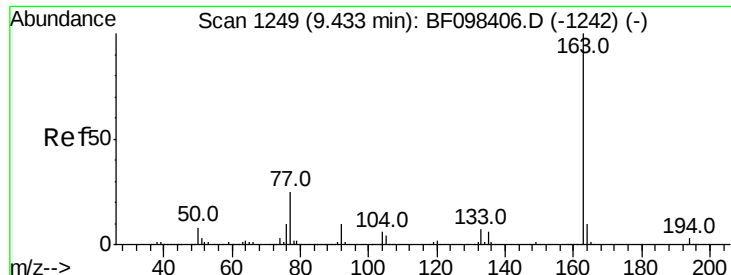
#44
 2-Fluorobiphenyl
 Concen: 79.560 ng
 RT: 8.99 min Scan# 1174
 Delta R.T. -0.01 min
 Lab File: BF098606.D
 Acq: 18 Sep 2017 17:08

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.7	29.6	44.4
170	23.8	19.8	29.8



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

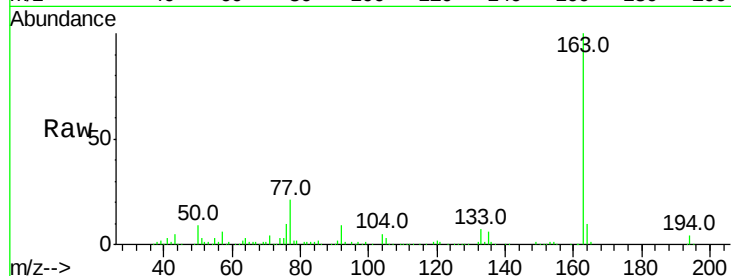




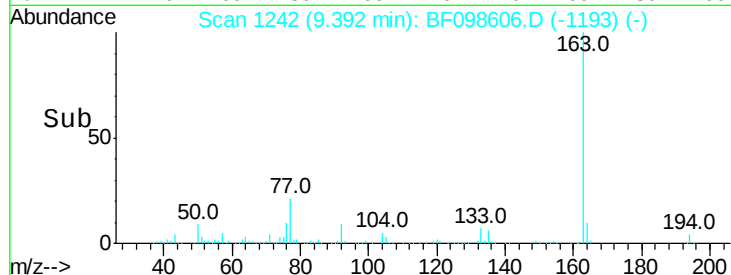
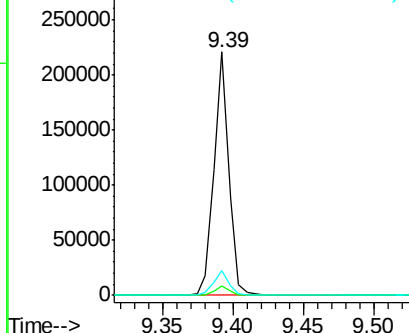
#49
Dimethylphthalate
Concen: 10.580 ng
RT: 9.39 min Scan# 1242
Delta R.T. -0.01 min
Lab File: BF098606.D
Acq: 18 Sep 2017 17:08

Instrument :
BNA_F
ClientSampled :

Tot Ion:163 Resp: 162449
Ion Ratio Lower Upper
163 100
194 3.6 2.6 4.0
164 10.0 8.4 12.6

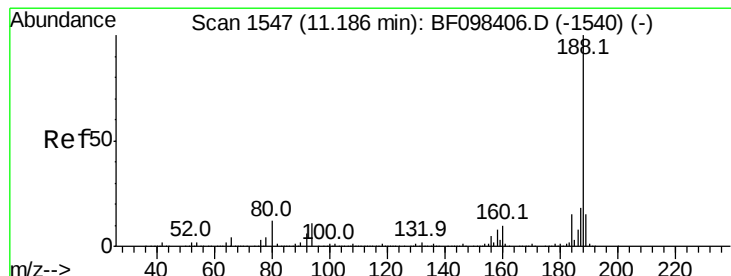


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

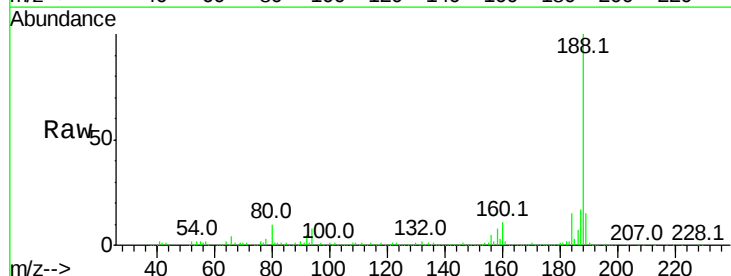
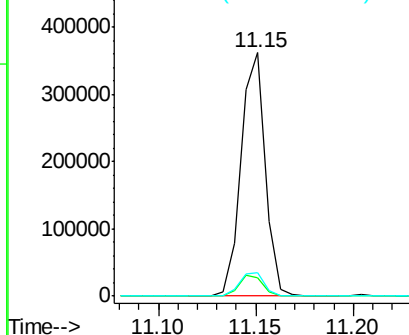


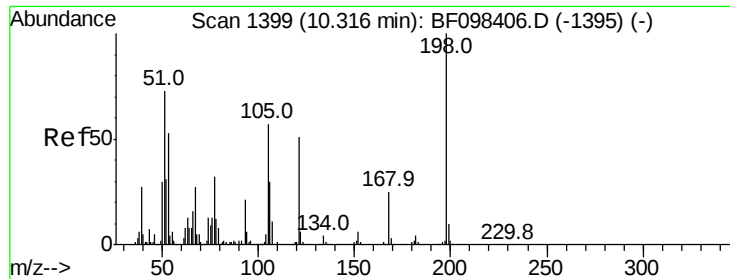
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.15 min Scan# 1541
Delta R.T. -0.00 min
Lab File: BF098606.D
Acq: 18 Sep 2017 17:08

Tgt Ion:188 Resp: 310752
Ion Ratio Lower Upper
188 100
94 7.8 9.4 14.2#
80 9.6 10.2 15.2#



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

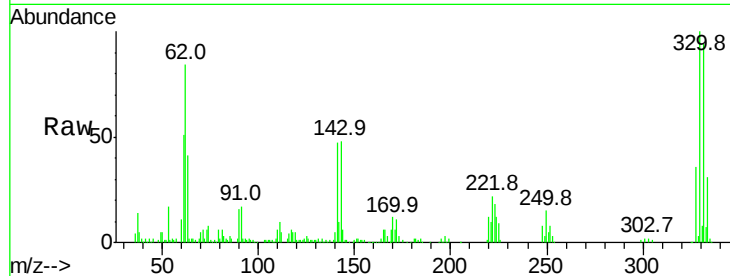




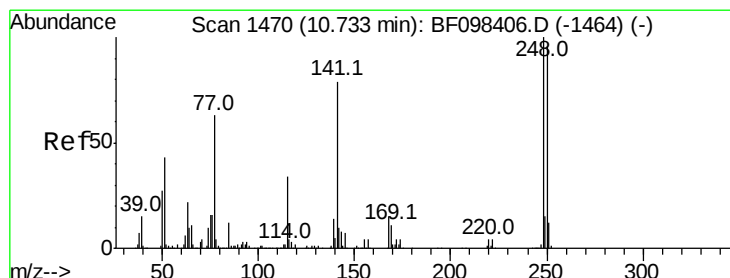
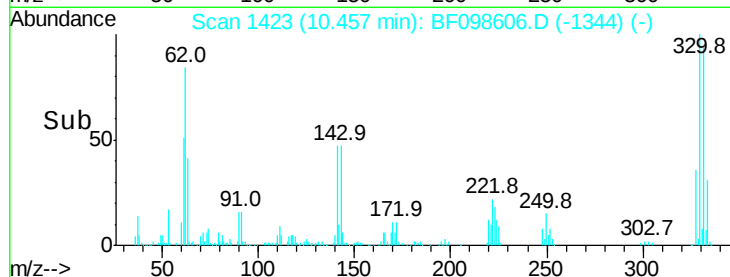
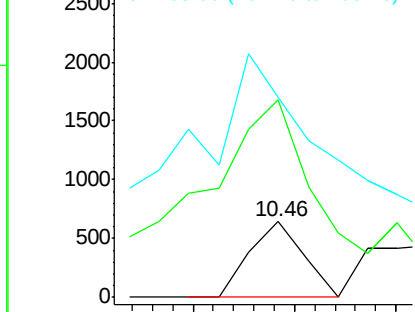
#64
4,6-Dinitro-2-methylphenol
Concen: 5.186 ng
RT: 10.46 min Scan# 1423
Delta R.T. 0.16 min
Lab File: BF098606.D
Acq: 18 Sep 2017 17:08

Instrument :
BNA_F
ClientSampleId :

Tot Ion:198 Resp: 472
Ion Ratio Lower Upper
198 100
51 260.1 53.2 93.2#
105 264.0 45.8 85.8#

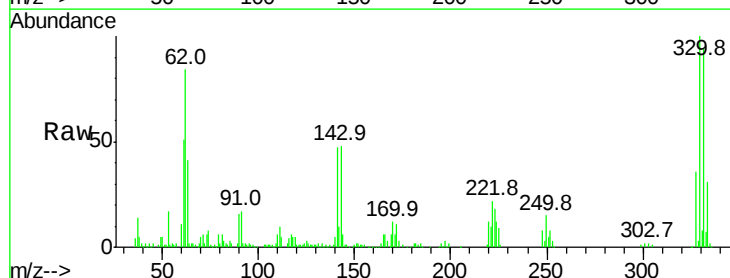


Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF0
Ion 105.00 (104.70 to 105.70): E

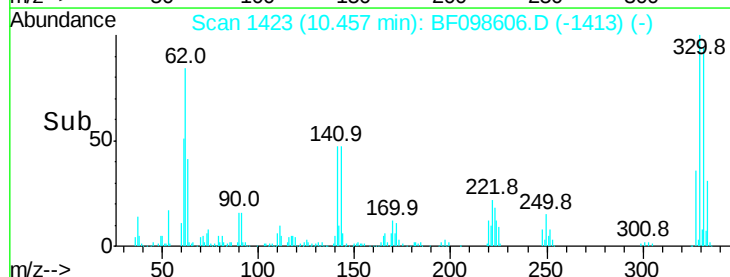
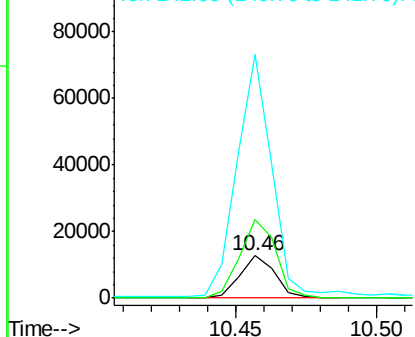


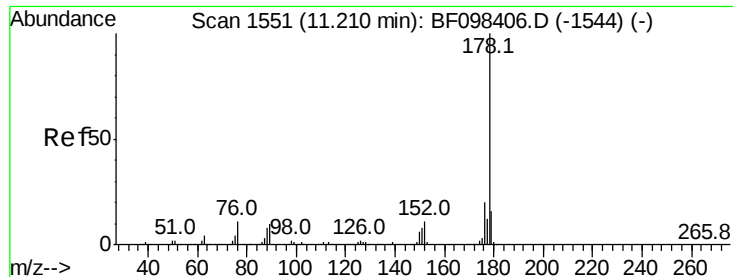
#66
4-Bromophenyl-phenylether
Concen: 3.720 ng
RT: 10.46 min Scan# 1423
Delta R.T. -0.24 min
Lab File: BF098606.D
Acq: 18 Sep 2017 17:08

Tgt Ion:248 Resp: 10971
Ion Ratio Lower Upper
248 100
250 186.9 76.8 115.2#
141 576.2 68.6 103.0#



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: 2.584 ng

RT: 11.17 min Scan# 1545

Delta R.T. -0.00 min

Lab File: BF098606.D

Acq: 18 Sep 2017 17:08

Instrument :

BNA_F

ClientSampleId :

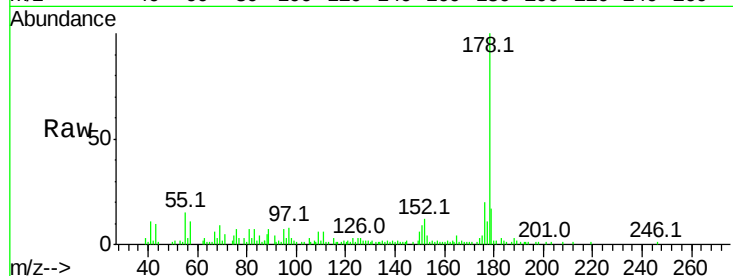
Tot Ion:178 Resp: 42562

Ion Ratio Lower Upper

178 100

176 19.9 16.2 24.4

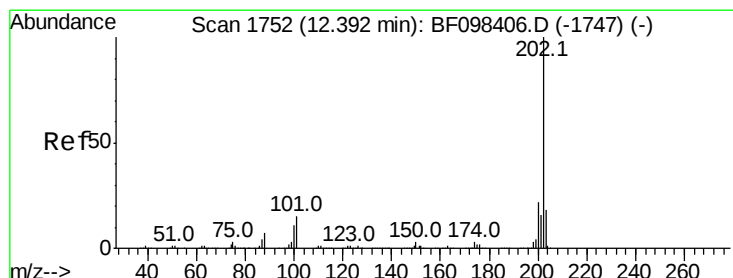
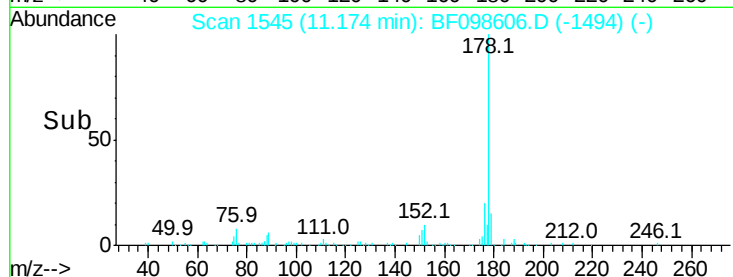
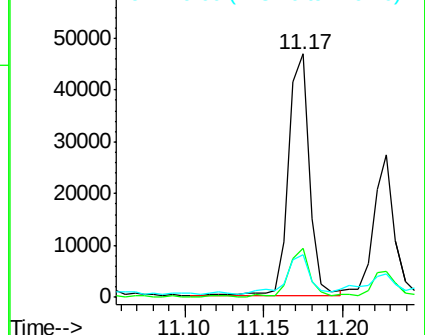
179 17.5 12.6 19.0



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: 5.090 ng

RT: 12.36 min Scan# 1746

Delta R.T. -0.01 min

Lab File: BF098606.D

Acq: 18 Sep 2017 17:08

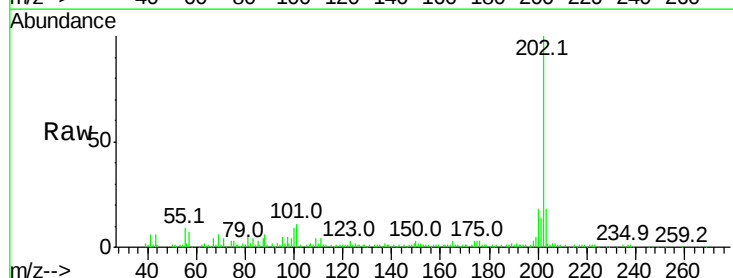
Tgt Ion:202 Resp: 83946

Ion Ratio Lower Upper

202 100

101 11.0 0.0 33.2

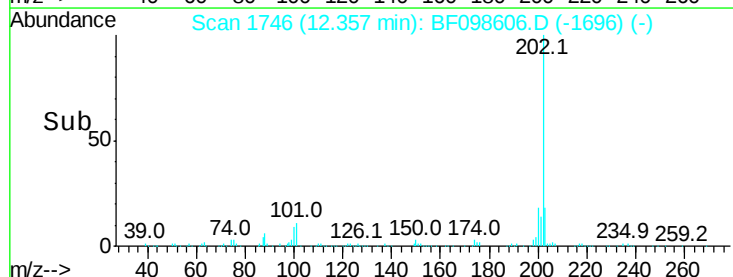
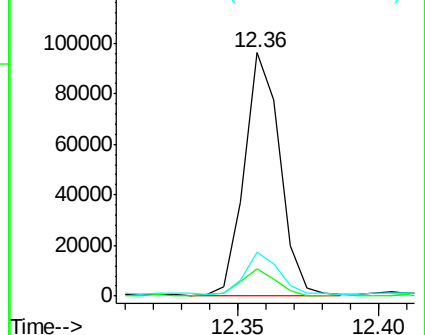
203 18.3 0.0 38.1

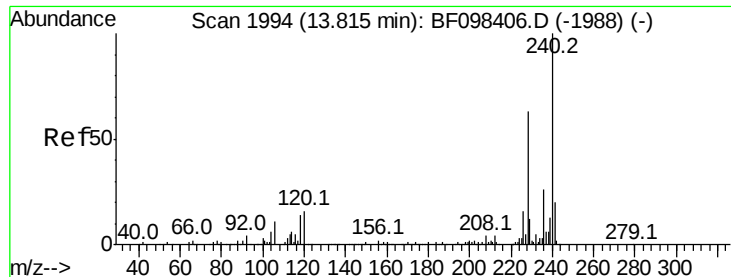


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.79 min Scan# 1989

Delta R.T. -0.00 min

Lab File: BF098606.D

Acq: 18 Sep 2017 17:08

Instrument :

BNA_F

ClientSampled :

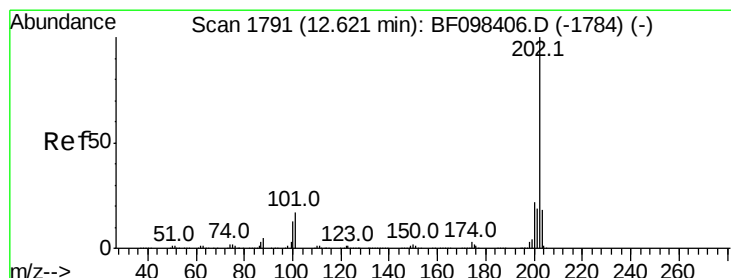
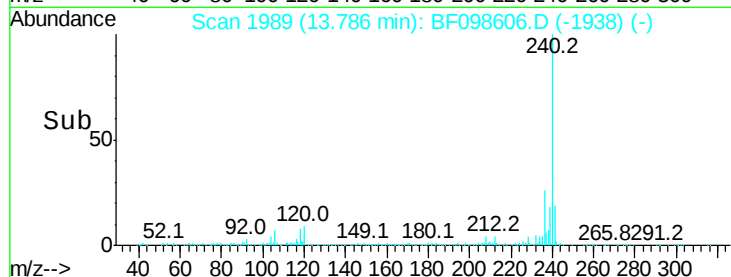
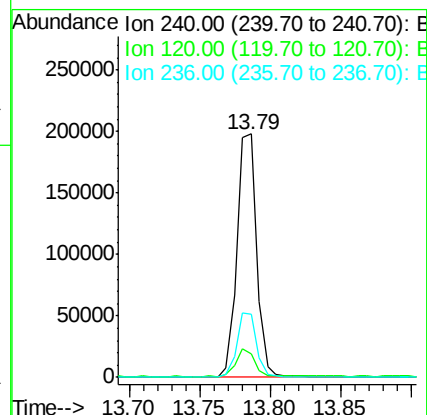
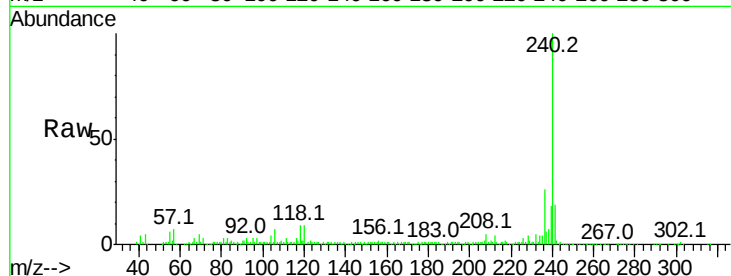
Tot Ion:240 Resp: 193483

Ion Ratio Lower Upper

240 100

120 9.4 5.8 8.8#

236 26.0 20.5 30.7



#77

Pyrene

Concen: 5.627 ng

RT: 12.59 min Scan# 1785

Delta R.T. -0.00 min

Lab File: BF098606.D

Acq: 18 Sep 2017 17:08

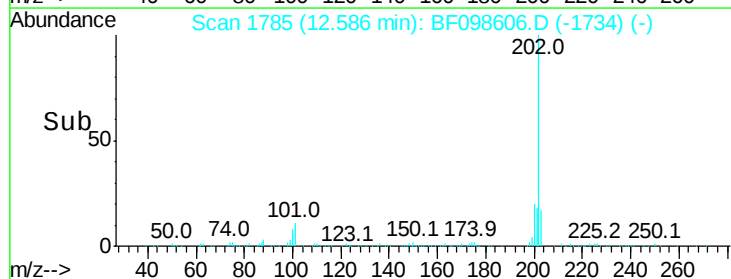
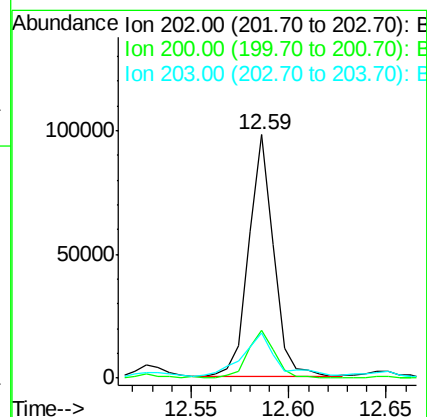
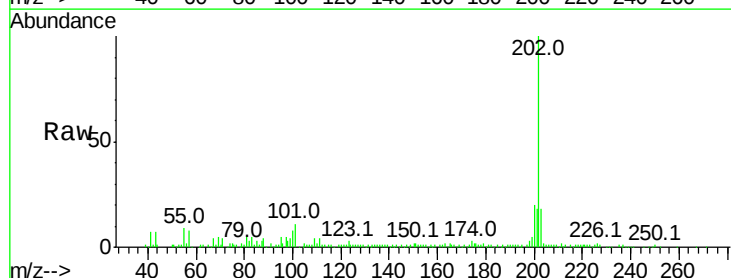
Tgt Ion:202 Resp: 85887

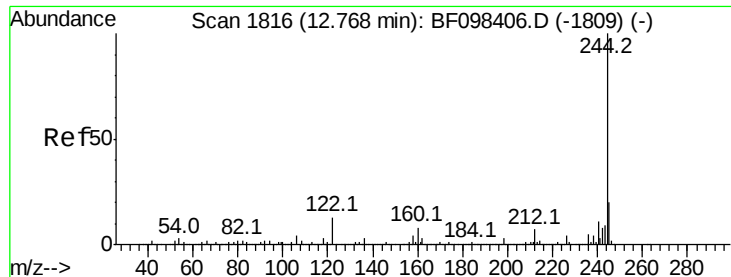
Ion Ratio Lower Upper

202 100

200 19.7 17.6 26.4

203 18.5 14.4 21.6





#78

Terphenyl-d14

Concen: 64.091 ng

RT: 12.73 min Scan# 1810

Delta R.T. -0.00 min

Lab File: BF098606.D

Acq: 18 Sep 2017 17:08

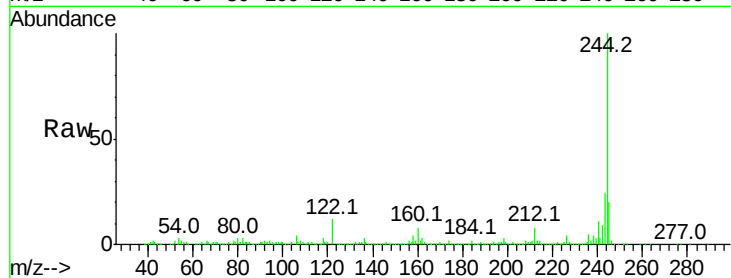
Instrument :

BNA_F

ClientSampleId :

Tot Ion:244 Resp: 574510

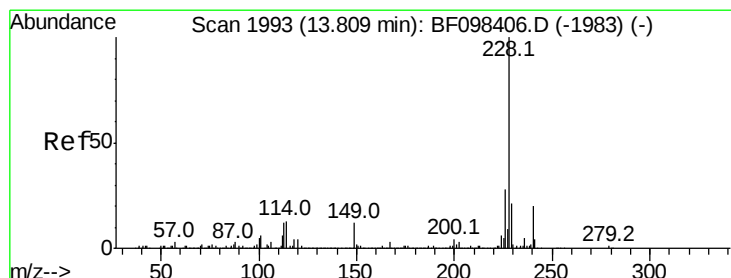
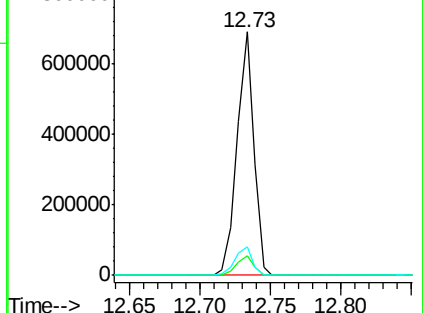
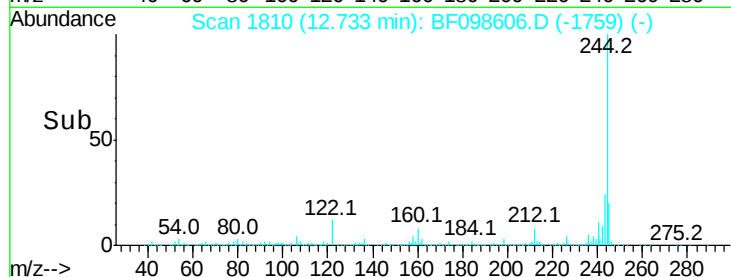
Ion	Ratio	Lower	Upper
244	100		
212	7.9	6.0	9.0
122	11.6	10.3	15.5



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: 3.497 ng

RT: 13.77 min Scan# 1987

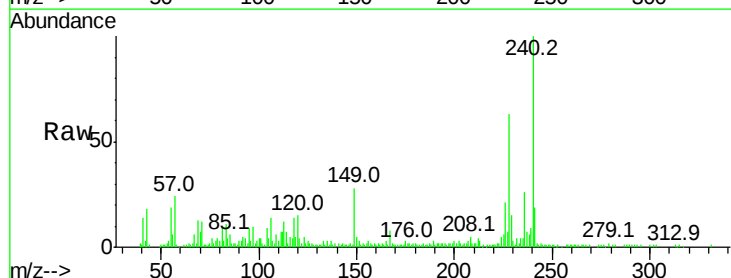
Delta R.T. -0.00 min

Lab File: BF098606.D

Acq: 18 Sep 2017 17:08

Tgt Ion:228 Resp: 39666

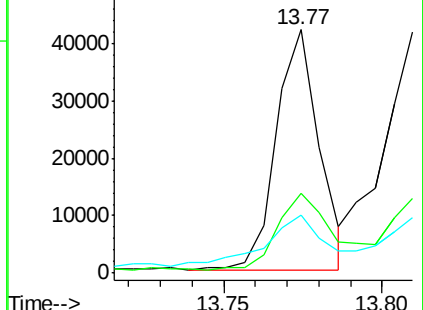
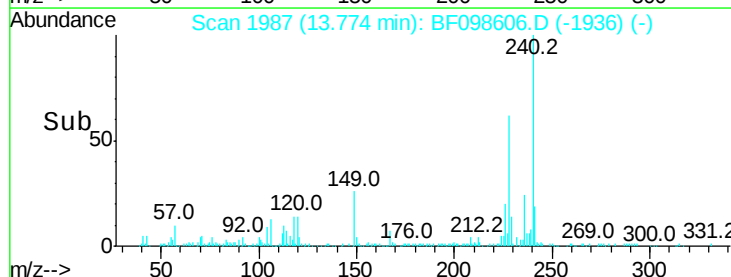
Ion	Ratio	Lower	Upper
228	100		
226	32.8	22.6	33.8
229	24.1	16.3	24.5

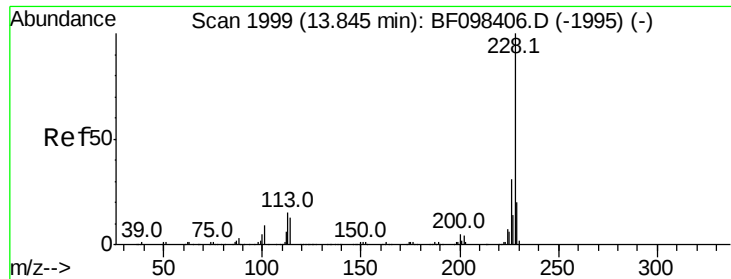


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 3.871 ng

RT: 13.81 min Scan# 1993

Delta R.T. -0.01 min

Lab File: BF098606.D

Acq: 18 Sep 2017 17:08

Instrument :

BNA_F

ClientSampleId :

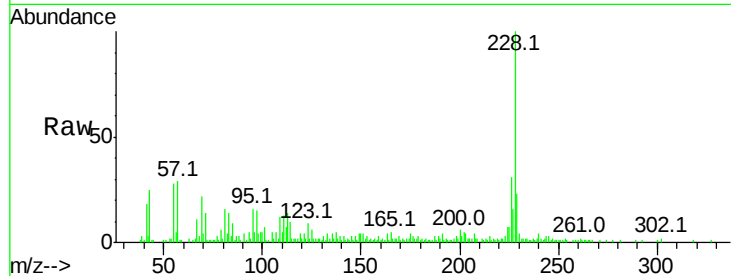
Tot Ion:228 Resp: 44382

Ion Ratio Lower Upper

228 100

226 31.0 24.9 37.3

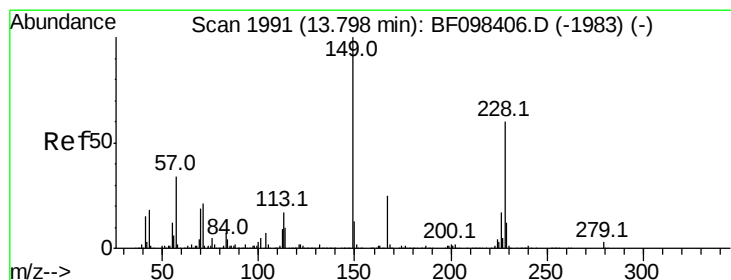
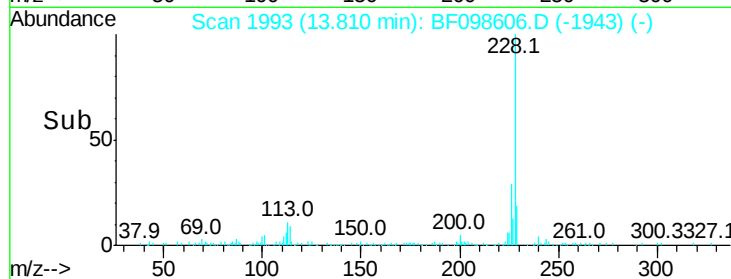
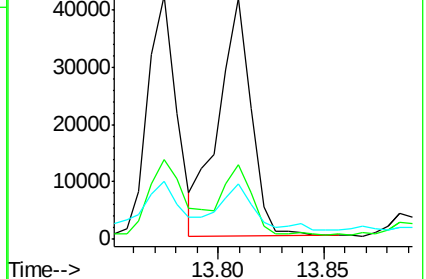
229 22.8 15.8 23.6



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



#83

Bis(2-ethylhexyl)phthalate

Concen: 6.916 ng

RT: 13.76 min Scan# 1985

Delta R.T. -0.01 min

Lab File: BF098606.D

Acq: 18 Sep 2017 17:08

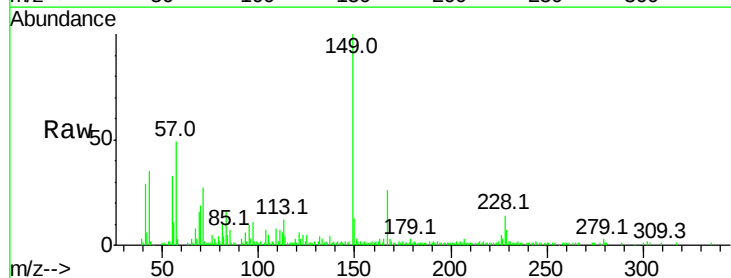
Tgt Ion:149 Resp: 57476

Ion Ratio Lower Upper

149 100

167 26.2 21.0 31.4

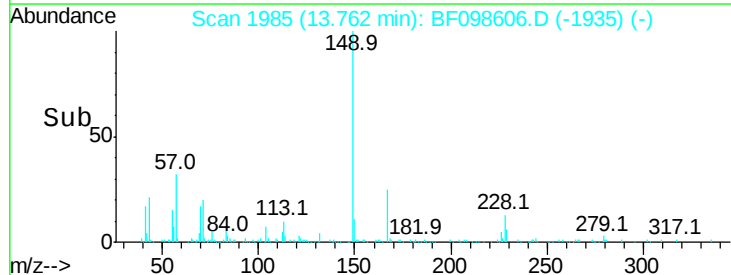
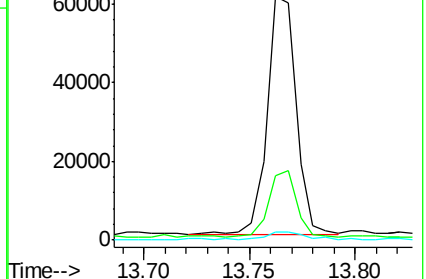
279 3.2 1.9 2.9#

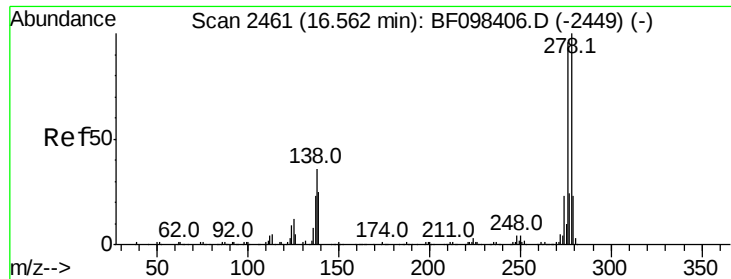


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#85

Indeno(1,2,3-cd)pyrene

Concen: 2.293 ng

RT: 16.51 min Scan# 2452

Delta R.T. -0.01 min

Lab File: BF098606.D

Acq: 18 Sep 2017 17:08

Instrument :

BNA_F

ClientSampled :

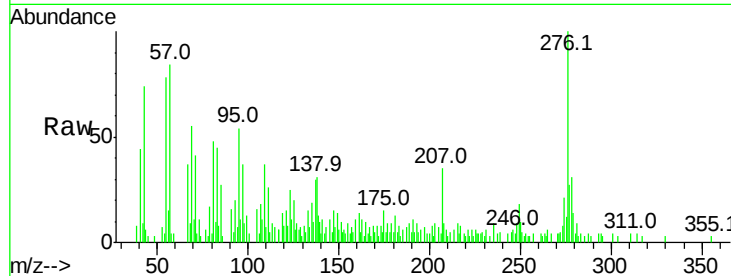
Tot Ion:276 Resp: 18446

Ion Ratio Lower Upper

276 100

138 30.5 27.8 41.6

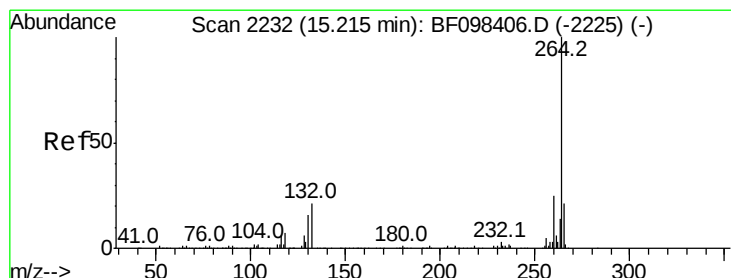
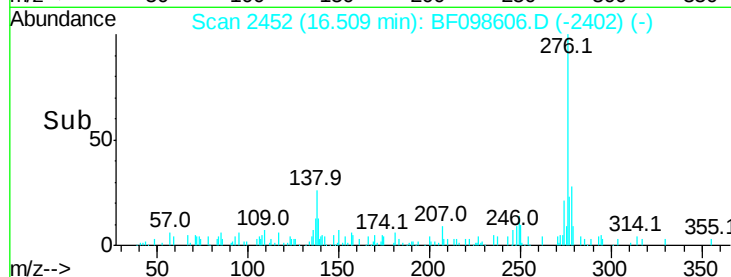
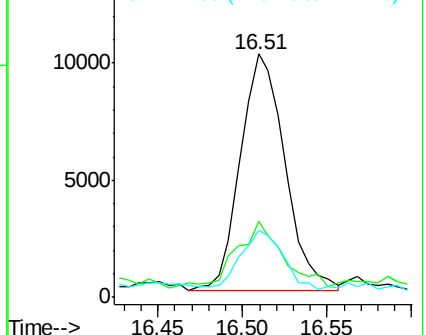
277 26.8 20.2 30.4



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.18 min Scan# 2226

Delta R.T. 0.01 min

Lab File: BF098606.D

Acq: 18 Sep 2017 17:08

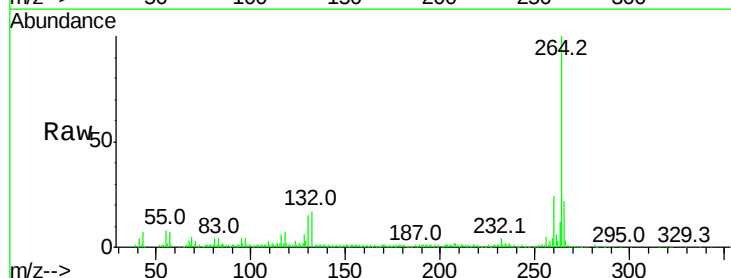
Tgt Ion:264 Resp: 177316

Ion Ratio Lower Upper

264 100

260 23.6 19.5 29.3

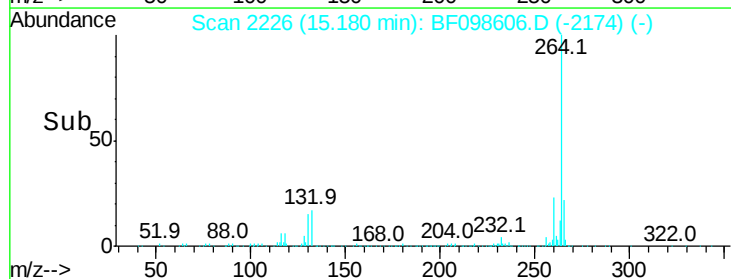
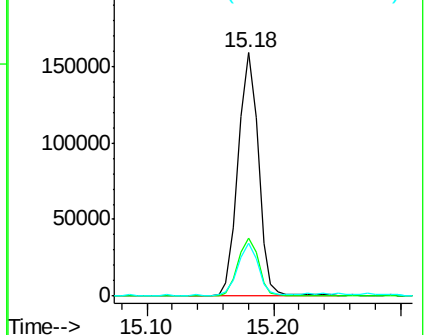
265 21.9 17.2 25.8

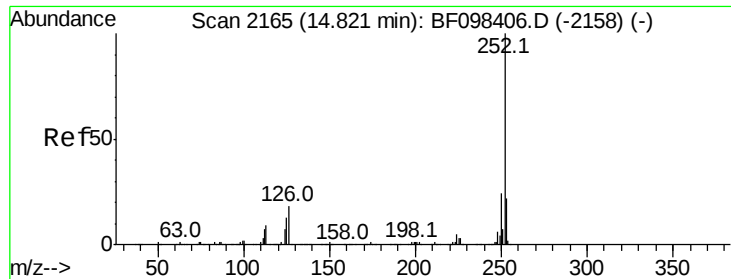


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

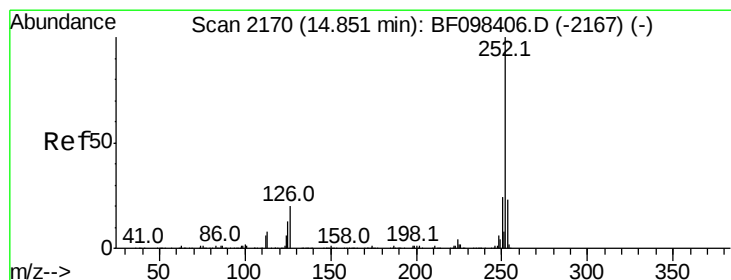
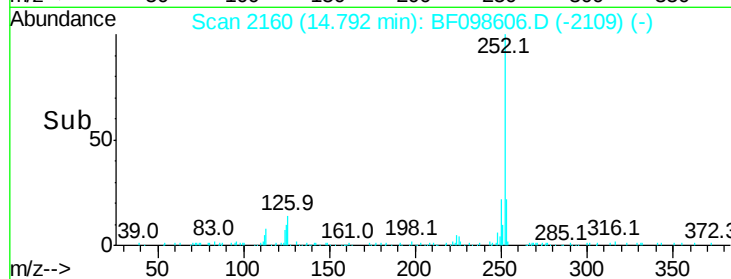
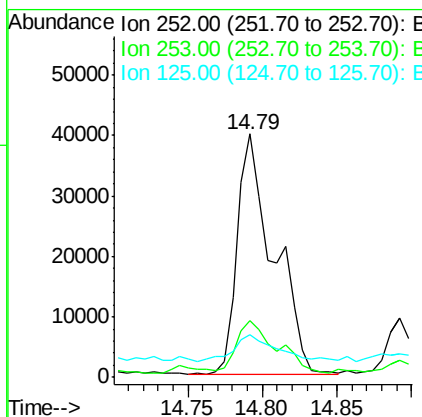
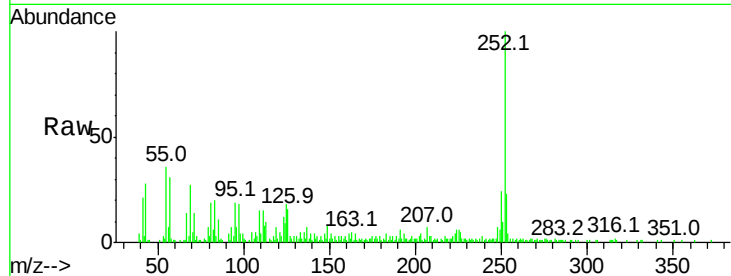




#87
Benzo(b)fluoranthene
Concen: 6.058 ng
RT: 14.79 min Scan# 2160
Delta R.T. -0.00 min
Lab File: BF098606.D
Acq: 18 Sep 2017 17:08

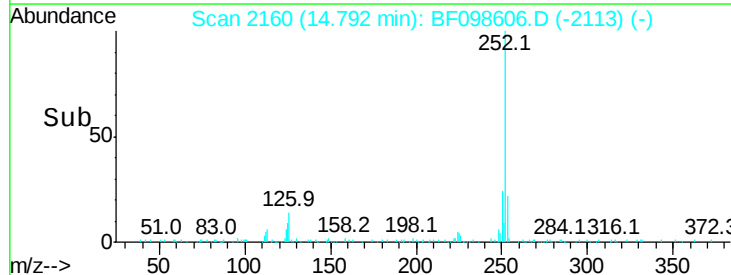
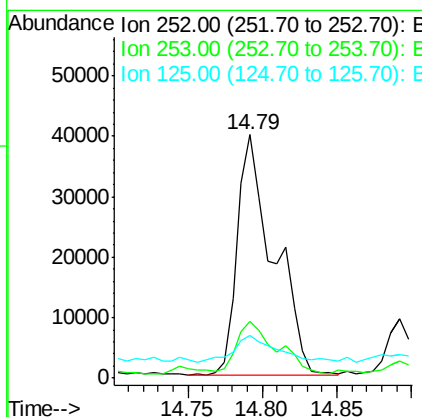
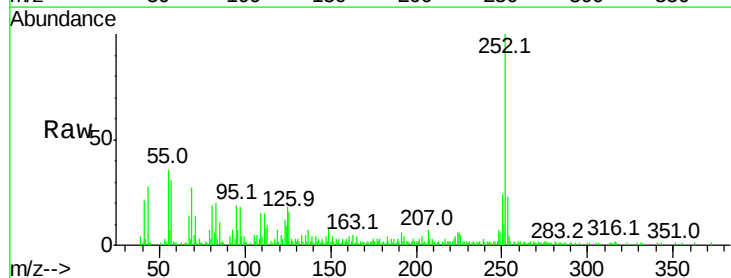
Instrument :
BNA_F
ClientSampleId :

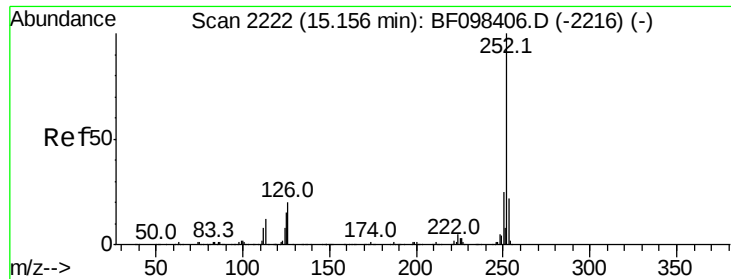
Tot Ion:252 Resp: 67541
Ion Ratio Lower Upper
252 100
253 23.4 18.1 27.1
125 17.6 9.8 14.8#



#88
Benzo(k)fluoranthene
Concen: 6.489 ng
RT: 14.79 min Scan# 2160
Delta R.T. -0.02 min
Lab File: BF098606.D
Acq: 18 Sep 2017 17:08

Tgt Ion:252 Resp: 67541
Ion Ratio Lower Upper
252 100
253 23.4 18.4 27.6
125 17.6 13.1 19.7





#89

Benzo(a)pyrene

Concen: 3.874 ng

RT: 15.12 min Scan# 2216

Delta R.T. -0.00 min

Lab File: BF098606.D

Acq: 18 Sep 2017 17:08

Instrument :

BNA_F

ClientSampleId :

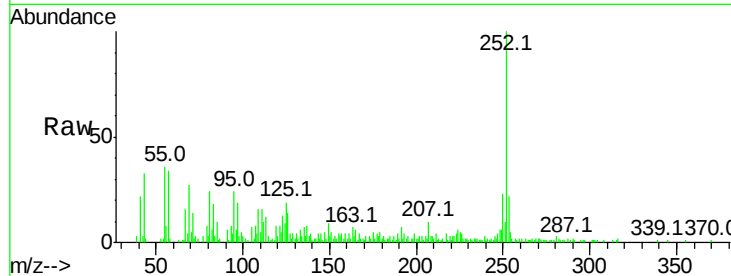
Tot Ion:252 Resp: 38480

Ion Ratio Lower Upper

252 100

253 22.2 17.5 26.3

125 18.7 11.0 16.4#

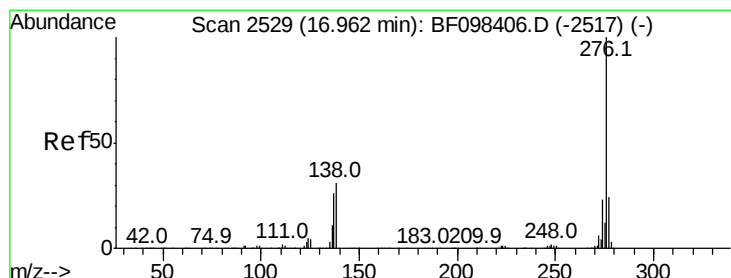
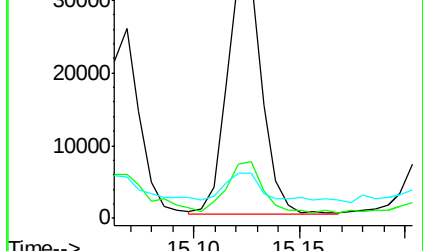
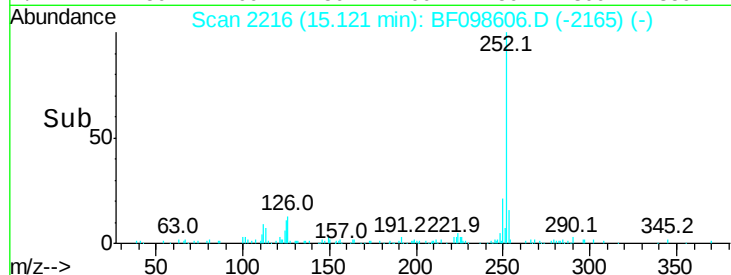


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

Time-->



#91

Benzo(g,h,i)perylene

Concen: 2.885 ng

RT: 16.91 min Scan# 2520

Delta R.T. -0.00 min

Lab File: BF098606.D

Acq: 18 Sep 2017 17:08

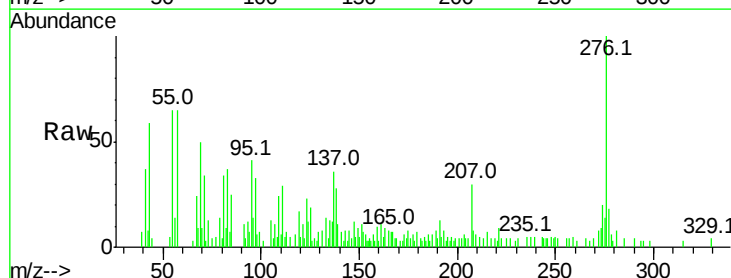
Tgt Ion:276 Resp: 20964

Ion Ratio Lower Upper

276 100

277 18.2 18.6 28.0#

138 27.9 25.4 38.0



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

Time-->

