

Data Path : Z:\HPCHEM1\BNA F\DATA\BF082817\
 Data File : BF098102.D
 Acq On : 29 Aug 2017 8:25
 Operator : SJ/JU
 Sample : I4961-10
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 29 09:33:26 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 21 15:59:04 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.74	152	113471	20.00	ng	-0.01
21) Naphthalene-d8	8.02	136	449585	20.00	ng	-0.01
38) Acenaphthene-d10	9.77	164	194935	20.00	ng	-0.01
63) Phenanthrene-d10	11.26	188	365003	20.00	ng	0.00
75) Chrysene-d12	13.89	240	282668	20.00	ng	-0.01
86) Perylene-d12	15.31	264	277398	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.35	112	945809	126.79	ng	0.00
7) Phenol-d6	6.38	99	1287408	127.01	ng	0.00
23) Nitrobenzene-d5	7.30	82	800391	96.71	ng	-0.02
41) 2,4,6-Tribromophenol	10.56	330	219205	129.60	ng	-0.01
44) 2-Fluorobiphenyl	9.10	172	1108246	83.53	ng	-0.01
78) Terphenyl-d14	12.84	244	851638	62.83	ng	0.00

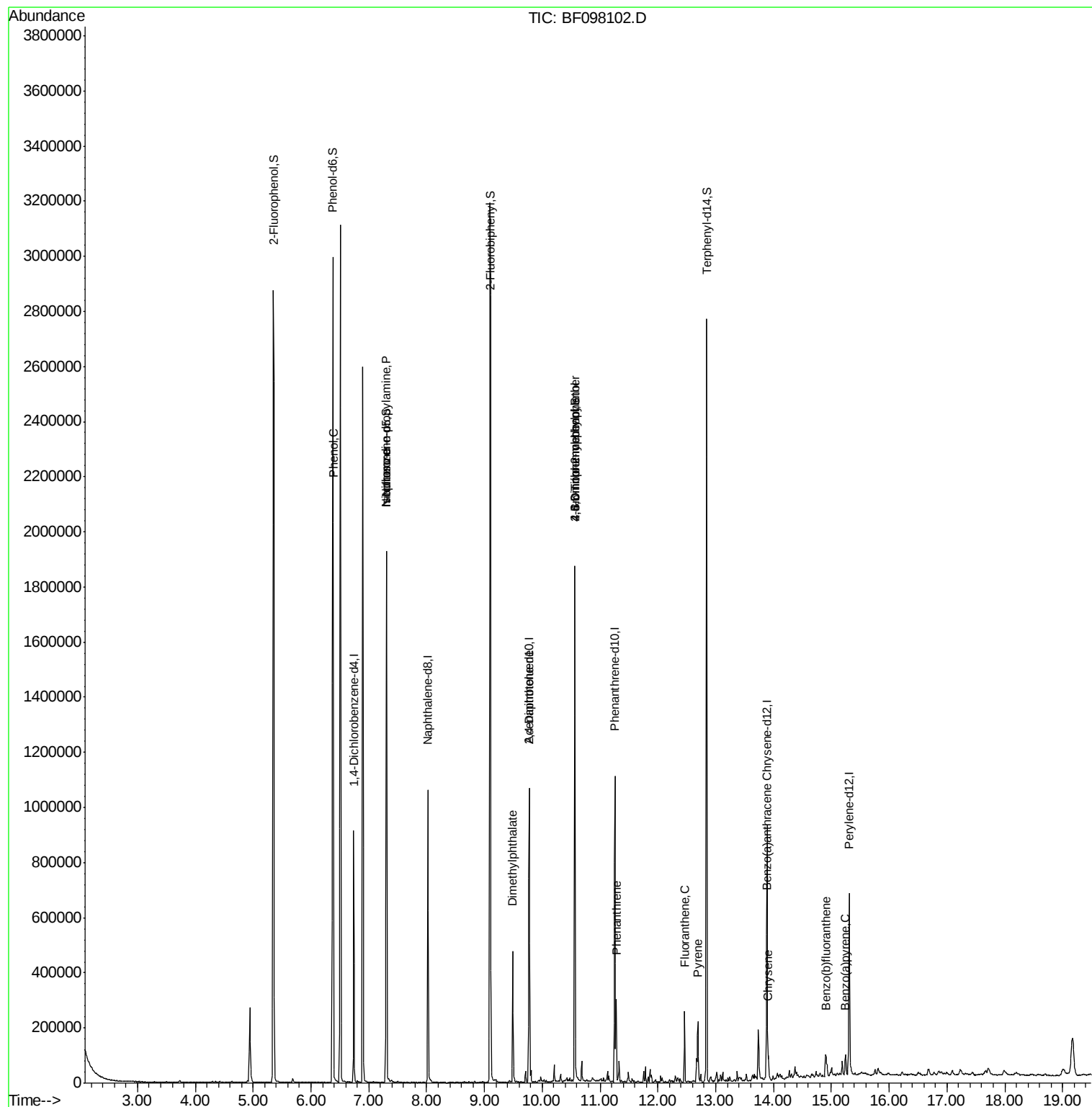
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.39	94	44594	3.762	ng	90
19) n-Nitroso-di-n-propylamine	7.30	70	106692	15.377	ng	# 72
25) Isophorone	7.30	82	790537	45.939	ng	# 67
49) Dimethylphthalate	9.49	163	172356	12.096	ng	99
56) 2,4-Dinitrotoluene	9.77	165	24691	6.917	ng	# 33
64) 4,6-Dinitro-2-methylphenol	10.56	198	564	8.592	ng	# 1
66) 4-Bromophenyl-phenylether	10.56	248	14741	3.889	ng	# 1
70) Phenanthrene	11.28	178	105432	5.421	ng	96
74) Fluoranthene	12.46	202	92222	4.543	ng	98
77) Pyrene	12.69	202	87025	3.764	ng	97
80) Benzo(a)anthracene	13.87	228	41842	2.470	ng	97
82) Chrysene	13.91	228	41702	2.474	ng	96
87) Benzo(b)fluoranthene	14.90	252	57657	3.297	ng	99
89) Benzo(a)pyrene	15.24	252	33903	2.190	ng	# 96

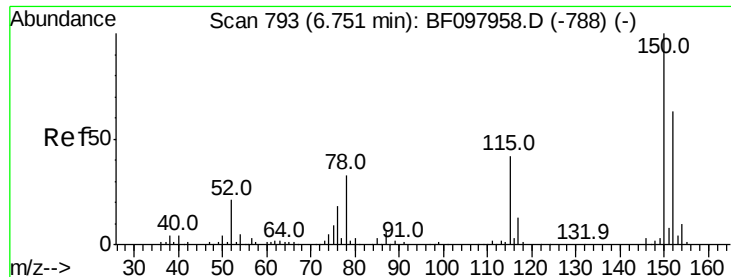
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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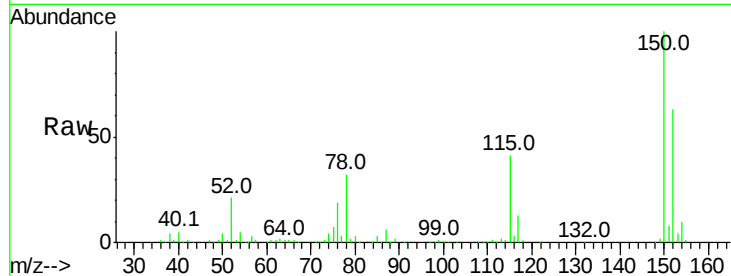


#1

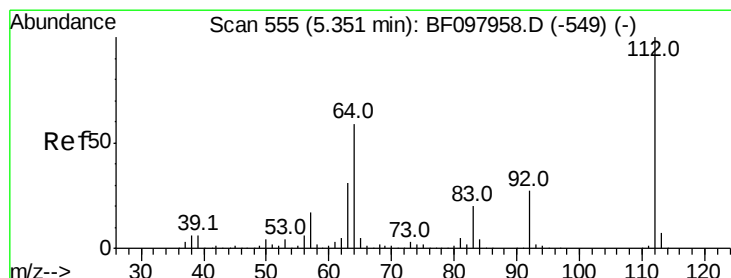
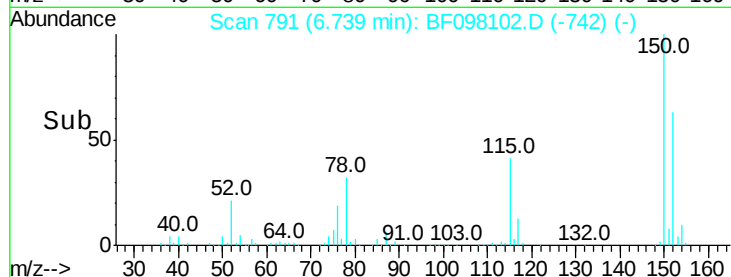
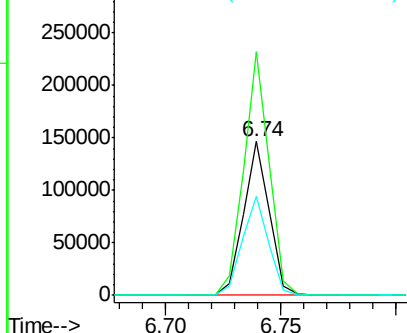
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.74 min Scan# 791
Delta R.T. -0.01 min
Lab File: BF098102.D
Acq: 29 Aug 2017 8:25

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 113471
Ion Ratio Lower Upper
152 100
150 158.2 126.2 189.2
115 64.6 52.2 78.2



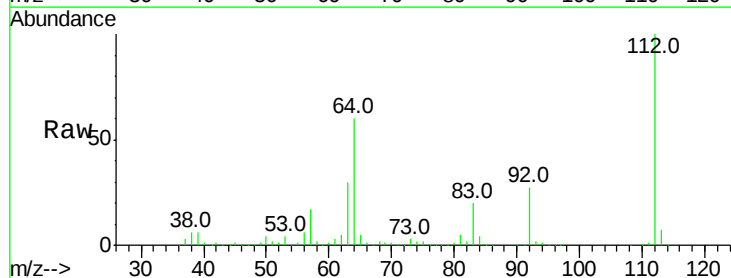
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



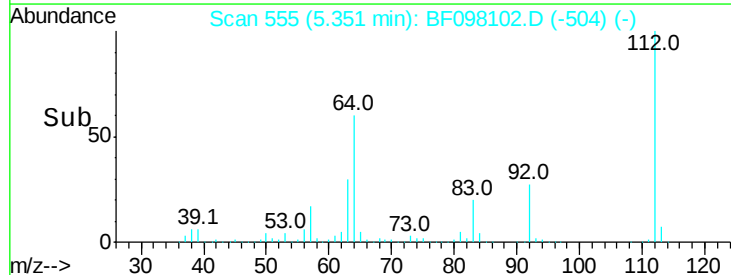
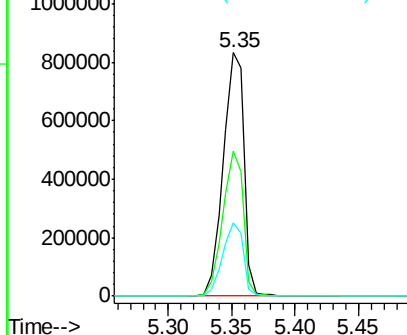
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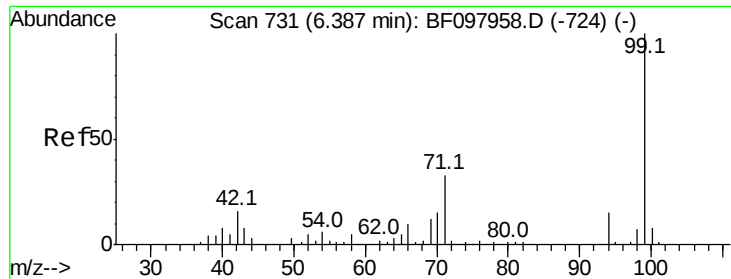
2-Fluorophenol
Concen: 126.785 ng
RT: 5.35 min Scan# 555
Delta R.T. 0.00 min
Lab File: BF098102.D
Acq: 29 Aug 2017 8:25

Tgt Ion:112 Resp: 945809
Ion Ratio Lower Upper
112 100
64 59.8 46.0 69.0
63 30.2 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: 127.015 ng

RT: 6.38 min Scan# 730

Delta R.T. -0.01 min

Lab File: BF098102.D

Acq: 29 Aug 2017 8:25

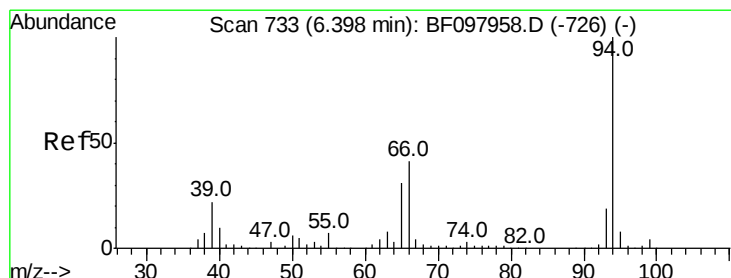
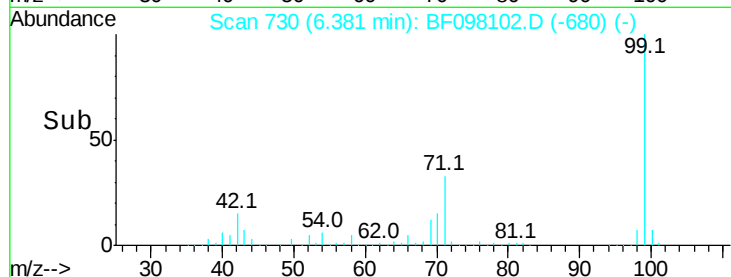
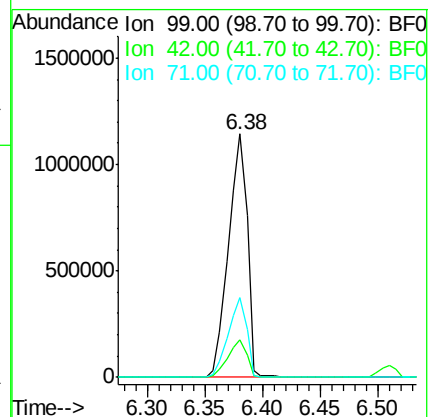
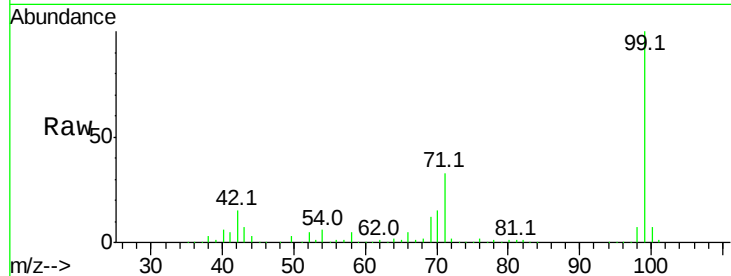
Instrument :

BNA_F

ClientSampled :

Tot Ion: 99 Resp: 1287408

Ion	Ratio	Lower	Upper
99	100		
42	15.5	13.5	20.3
71	32.6	24.5	36.7



#10

Phenol

Concen: 3.762 ng

RT: 6.39 min Scan# 732

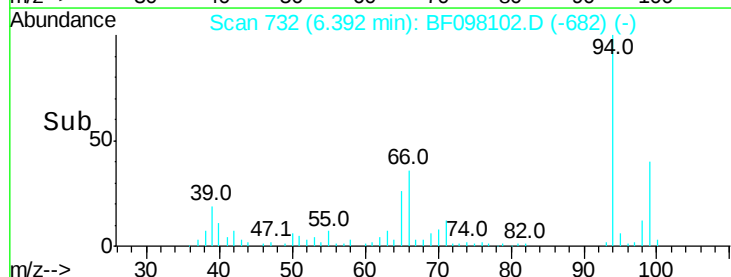
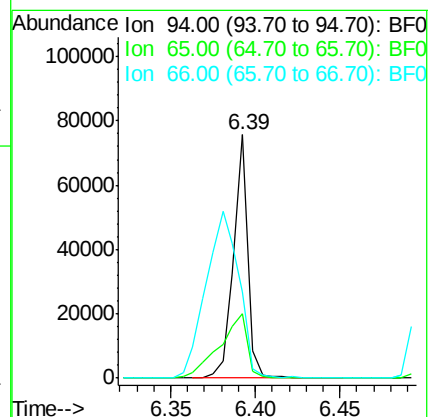
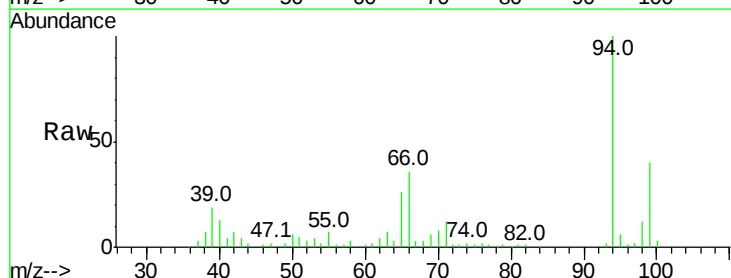
Delta R.T. -0.01 min

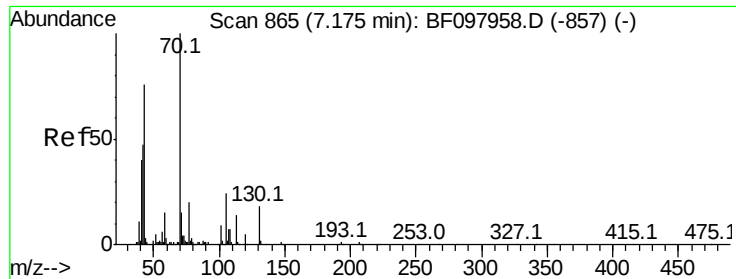
Lab File: BF098102.D

Acq: 29 Aug 2017 8:25

Tgt Ion: 94 Resp: 44594

Ion	Ratio	Lower	Upper
94	100		
65	26.4	9.9	49.9
66	35.5	23.1	63.1

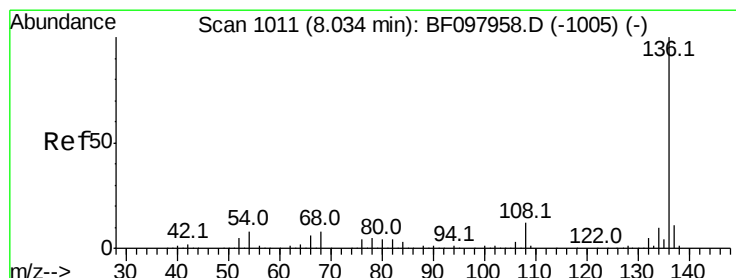
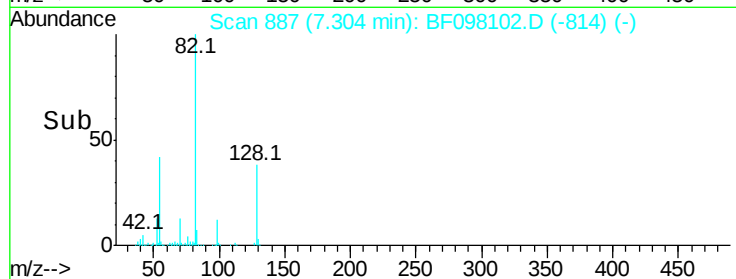
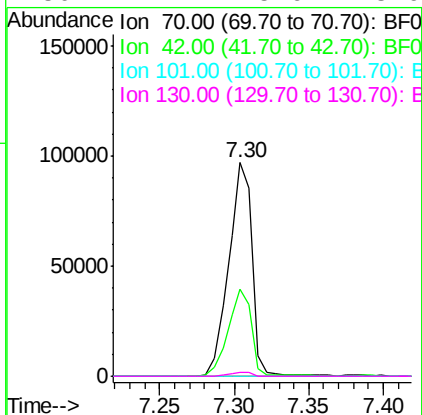
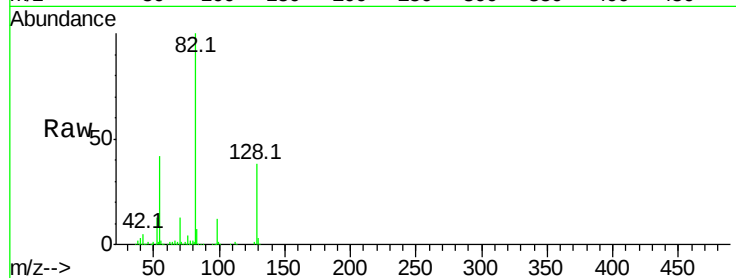




#19
n-Nitroso-di-n-propylamine
Concen: 15.377 ng
RT: 7.30 min Scan# 887
Delta R.T. 0.13 min
Lab File: BF098102.D
Acq: 29 Aug 2017 8:25

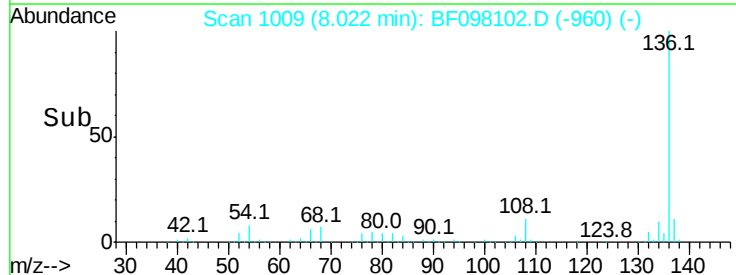
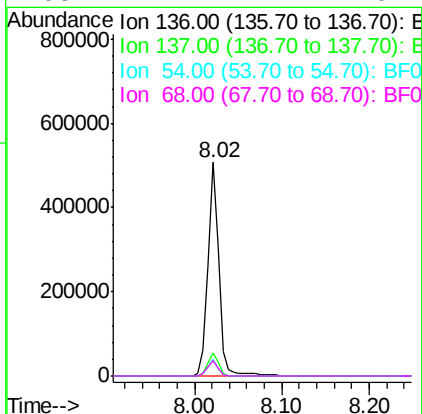
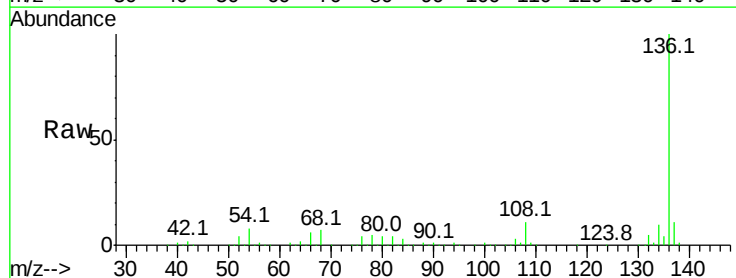
Instrument :
BNA_F
ClientSampled :

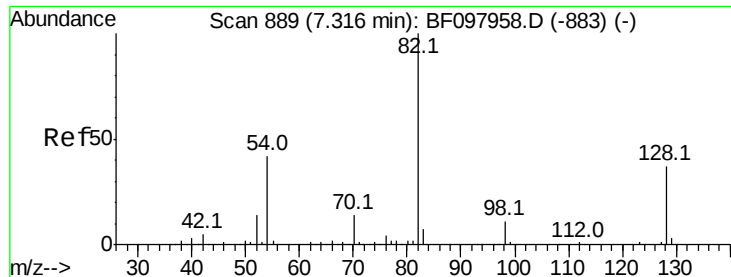
Tot Ion: 70 Resp: 106692
Ion Ratio Lower Upper
70 100
42 40.6 47.2 70.8#
101 0.0 7.2 10.8#
130 1.7 15.9 23.9#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.02 min Scan# 1009
Delta R.T. -0.01 min
Lab File: BF098102.D
Acq: 29 Aug 2017 8:25

Tgt Ion:136 Resp: 449585
Ion Ratio Lower Upper
136 100
137 11.1 8.5 12.7
54 7.7 4.9 7.3#
68 7.4 4.1 6.1#

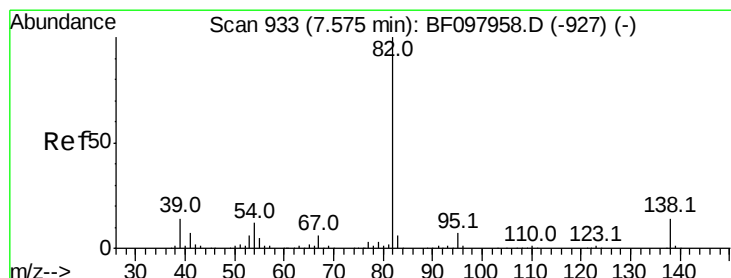
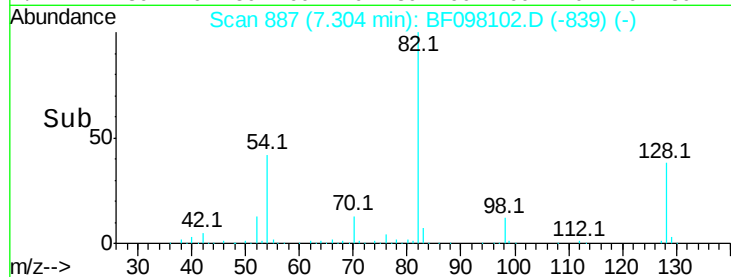
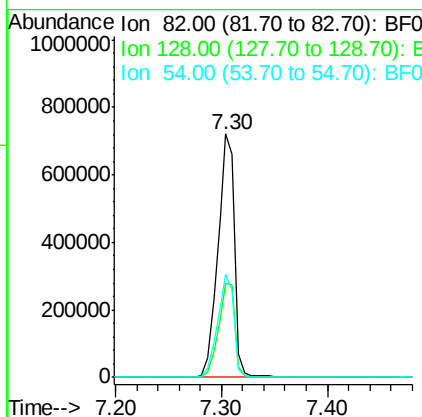
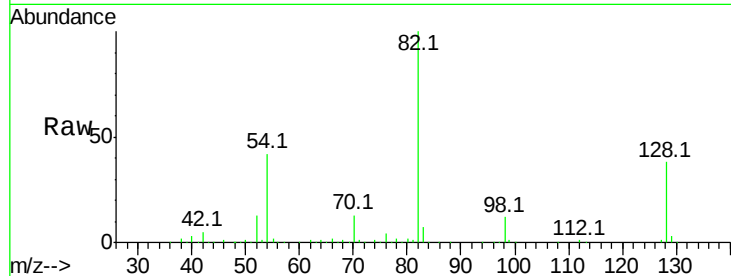




#23
 Nitrobenzene-d5
 Concen: 96.713 ng
 RT: 7.30 min Scan# 887
 Delta R.T. -0.02 min
 Lab File: BF098102.D
 Acq: 29 Aug 2017 8:25

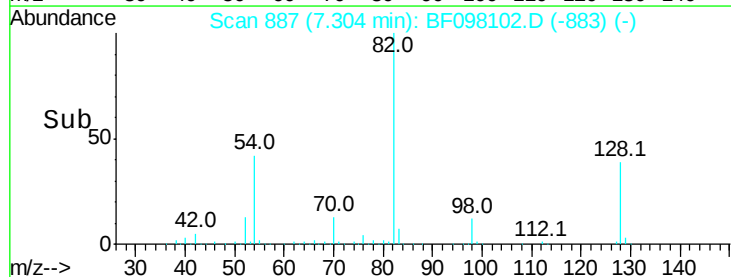
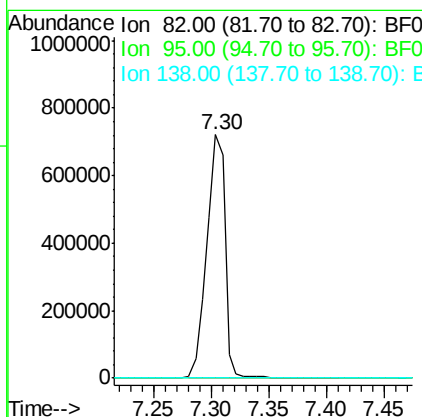
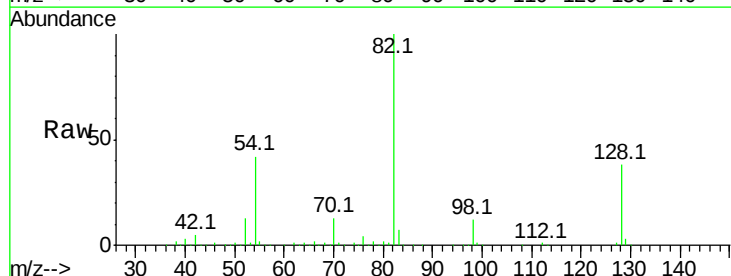
Instrument :
 BNA_F
 ClientSampled :

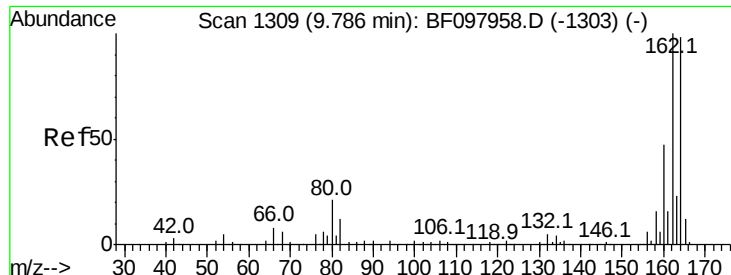
Tot Ion	82	Resp	800391
Ion Ratio	Lower	Upper	
82	100		
128	38.5	34.0	51.0
54	42.2	42.2	63.2#



#25
 Isophorone
 Concen: 45.939 ng
 RT: 7.30 min Scan# 887
 Delta R.T. -0.28 min
 Lab File: BF098102.D
 Acq: 29 Aug 2017 8:25

Tgt Ion	82	Resp	790537
Ion Ratio	Lower	Upper	
82	100		
95	0.0	5.3	7.9#
138	0.0	13.1	19.7#

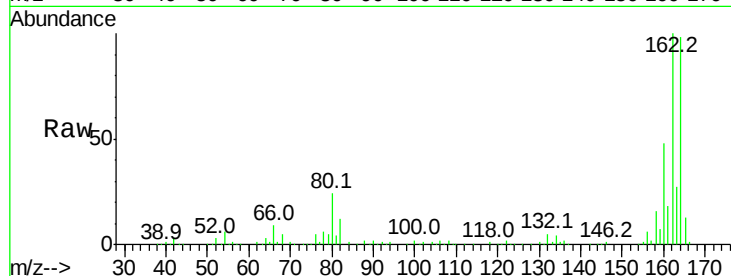




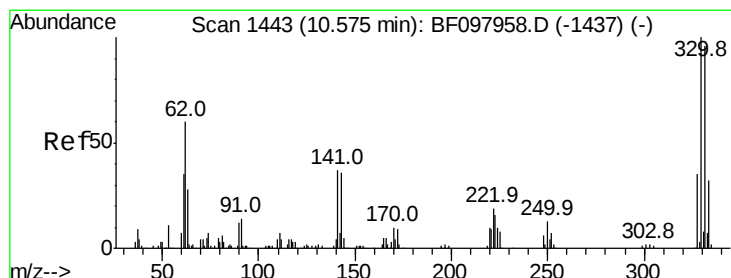
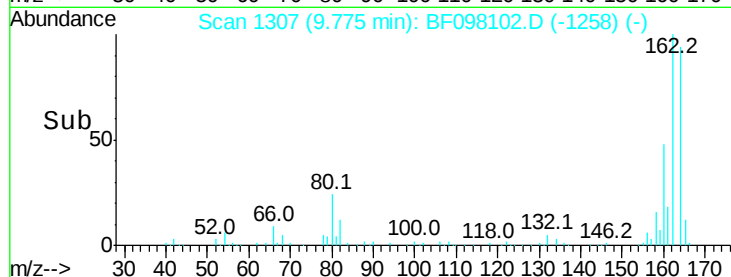
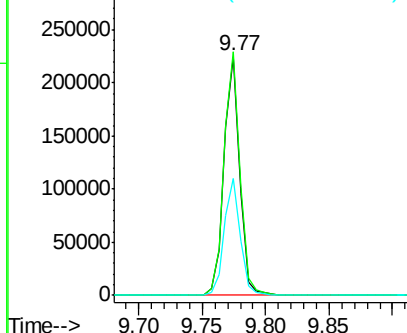
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.77 min Scan# 1307
 Delta R.T. -0.01 min
 Lab File: BF098102.D
 Acq: 29 Aug 2017 8:25

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
164	100		
162	101.8	82.6	123.8
160	48.6	36.2	54.2

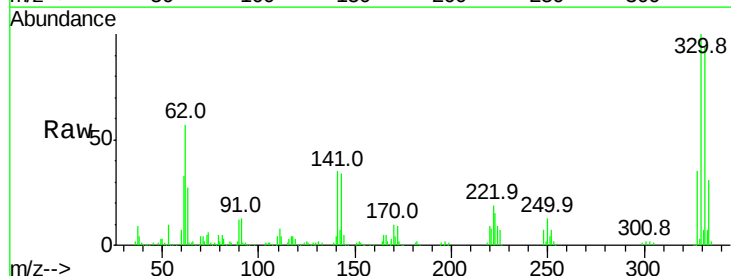


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

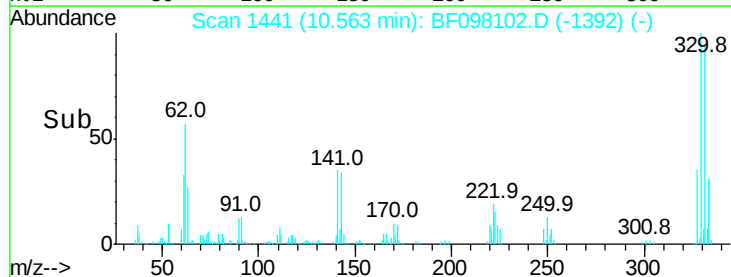
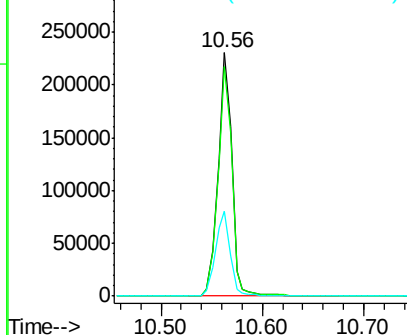


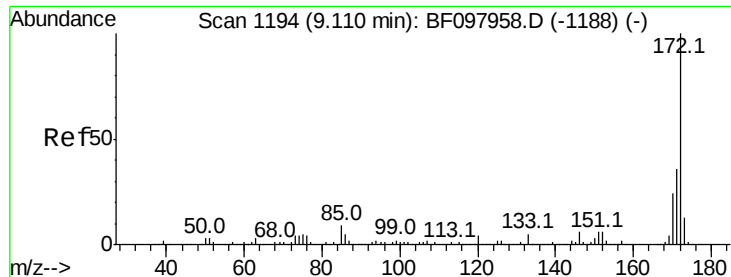
#41
 2,4,6-Tribromophenol
 Concen: 129.601 ng
 RT: 10.56 min Scan# 1441
 Delta R.T. -0.01 min
 Lab File: BF098102.D
 Acq: 29 Aug 2017 8:25

Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.7	76.6	115.0
141	37.7	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

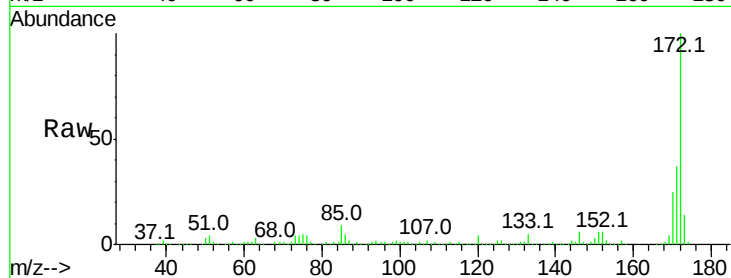




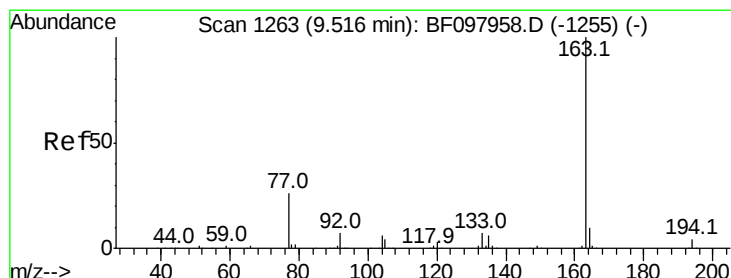
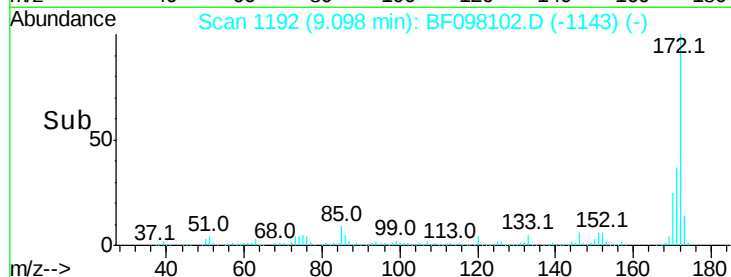
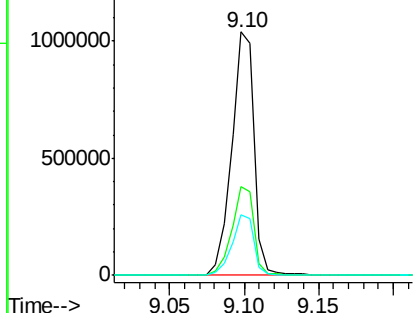
#44
2-Fluorobiphenyl
Concen: 83.527 ng
RT: 9.10 min Scan# 1192
Delta R.T. -0.01 min
Lab File: BF098102.D
Acq: 29 Aug 2017 8:25

Instrument :
BNA_F
ClientSampled :

Tot Ion:172 Resp: 1108246
Ion Ratio Lower Upper
172 100
171 36.6 29.6 44.4
170 24.7 19.8 29.8

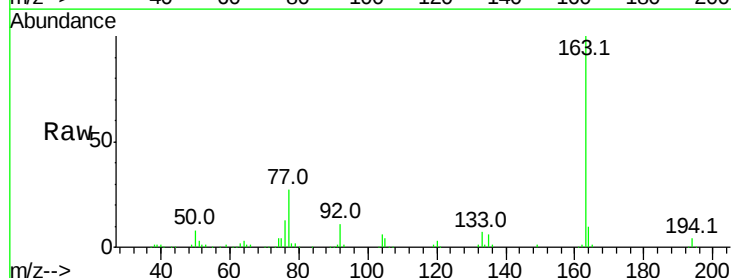


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

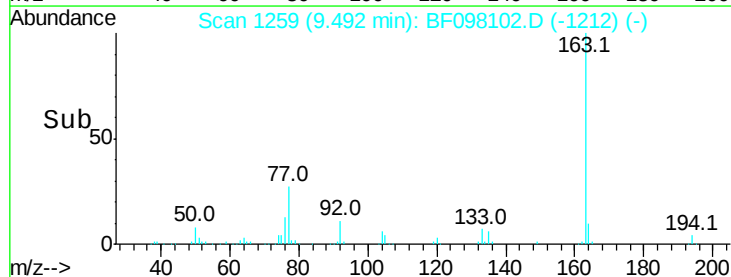
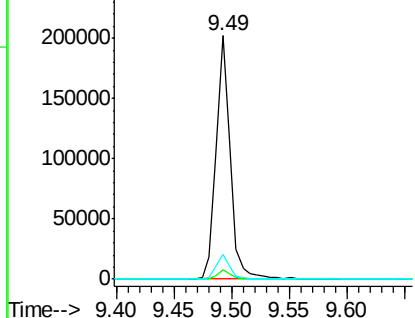


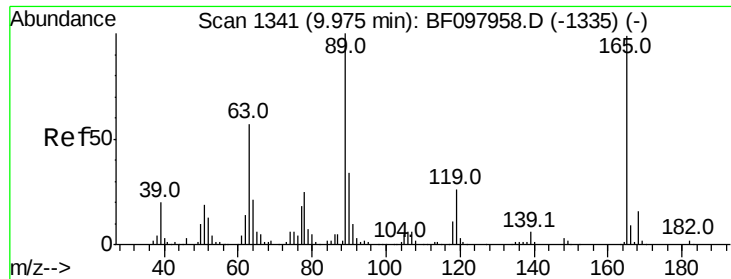
#49
Dimethylphthalate
Concen: 12.096 ng
RT: 9.49 min Scan# 1259
Delta R.T. -0.02 min
Lab File: BF098102.D
Acq: 29 Aug 2017 8:25

Tgt Ion:163 Resp: 172356
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

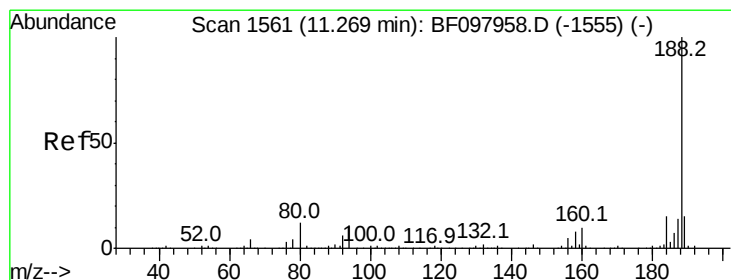
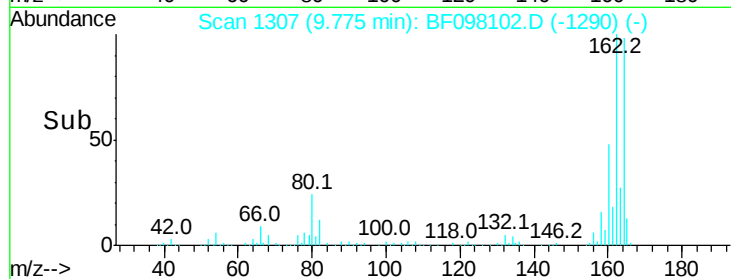
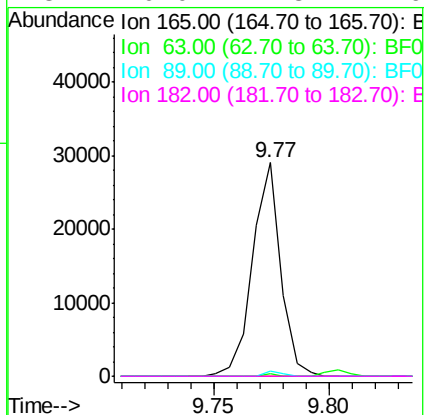
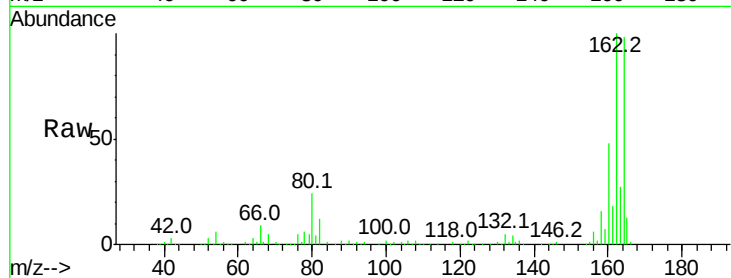




#56
 2,4-Dinitrotoluene
 Concen: 6.917 ng
 RT: 9.77 min Scan# 1307
 Delta R.T. -0.20 min
 Lab File: BF098102.D
 Acq: 29 Aug 2017 8:25

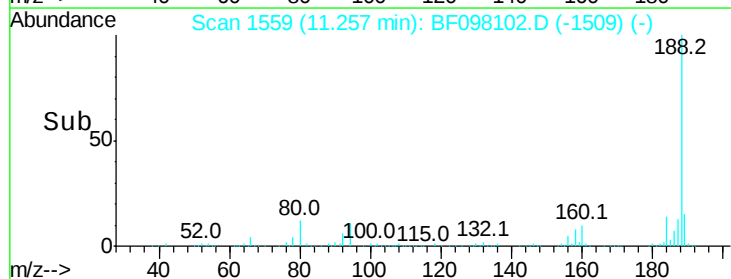
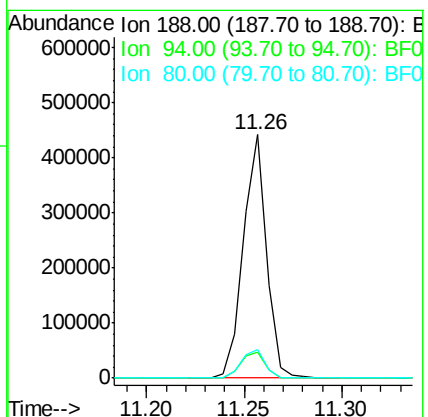
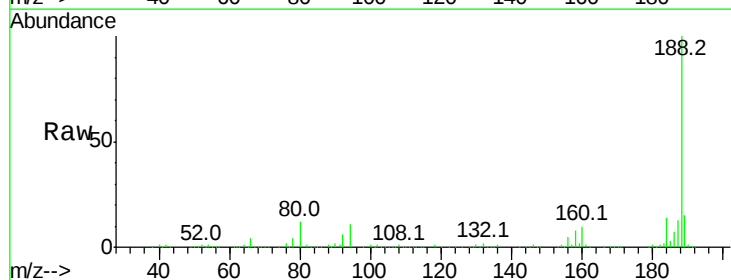
Instrument :
 BNA_F
 ClientSampleId :

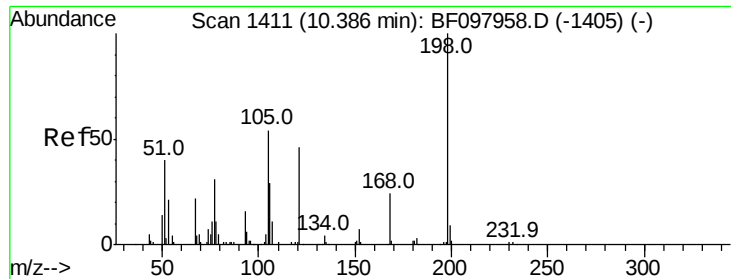
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.2	25.4	38.0#
89	2.1	46.4	69.6#
182	0.0	1.8	2.6#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.26 min Scan# 1559
 Delta R.T. -0.01 min
 Lab File: BF098102.D
 Acq: 29 Aug 2017 8:25

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.7	9.4	14.2
80	11.5	10.2	15.2





#64

4,6-Dinitro-2-methylphenol

Concen: 8.592 ng

RT: 10.56 min Scan# 1441

Delta R.T. 0.18 min

Lab File: BF098102.D

Acq: 29 Aug 2017 8:25

Instrument :

BNA_F

ClientSampleId :

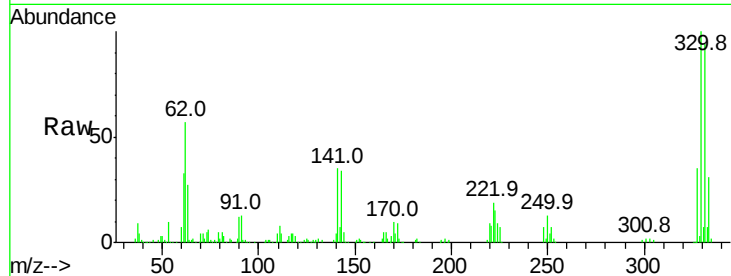
Tot Ion:198 Resp: 564

Ion Ratio Lower Upper

198 100

51 173.7 53.2 93.2#

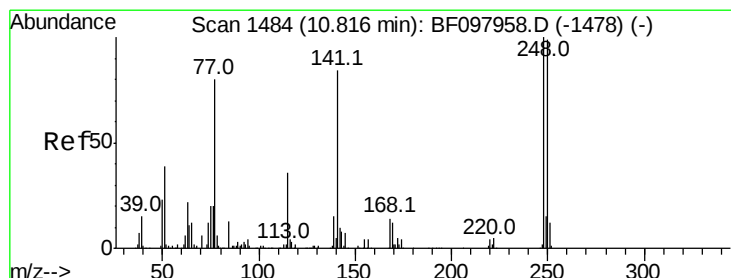
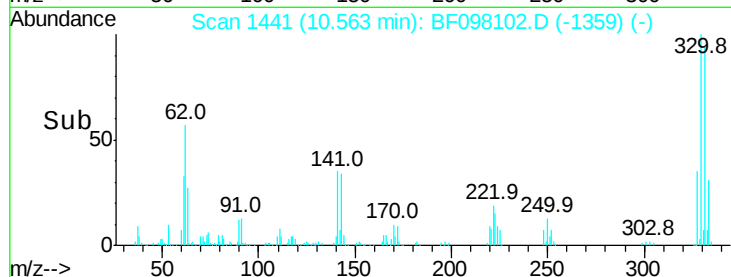
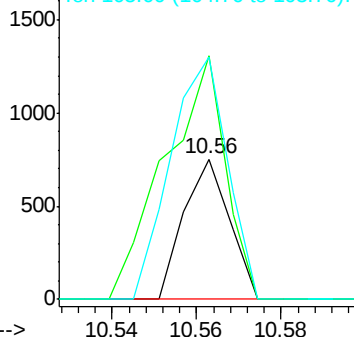
105 172.6 45.8 85.8#



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: 3.889 ng

RT: 10.56 min Scan# 1441

Delta R.T. -0.25 min

Lab File: BF098102.D

Acq: 29 Aug 2017 8:25

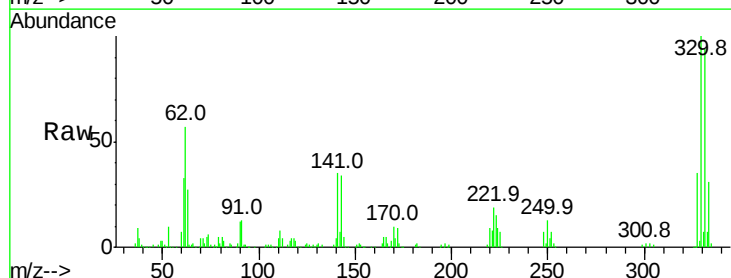
Tgt Ion:248 Resp: 14741

Ion Ratio Lower Upper

248 100

250 180.3 76.8 115.2#

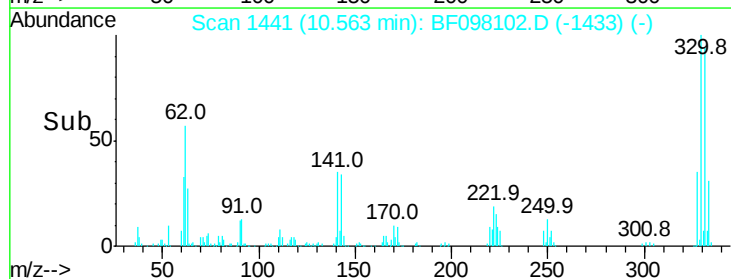
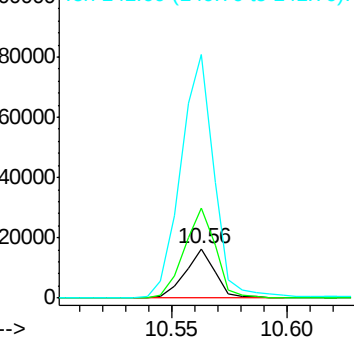
141 490.9 68.6 103.0#

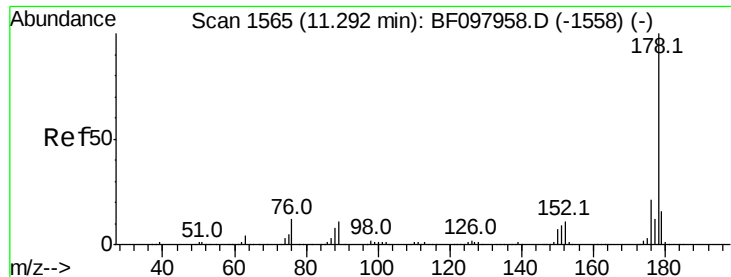


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#70

Phenanthrene

Concen: 5.421 ng

RT: 11.28 min Scan# 1563

Delta R.T. -0.01 min

Lab File: BF098102.D

Acq: 29 Aug 2017 8:25

Instrument :

BNA_F

ClientSampleId :

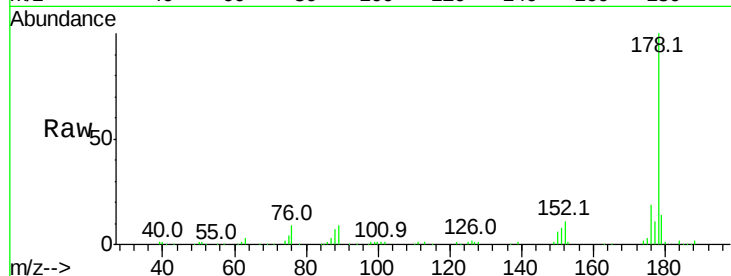
Tot Ion:178 Resp: 105432

Ion Ratio Lower Upper

178 100

176 18.6 16.2 24.4

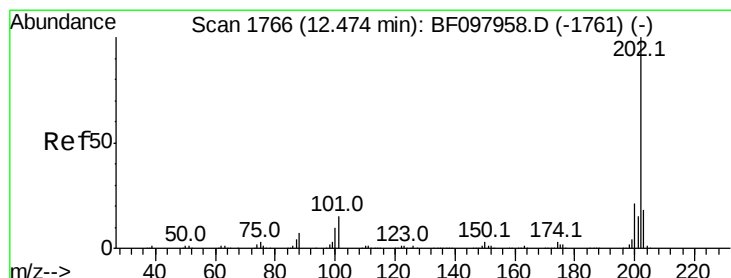
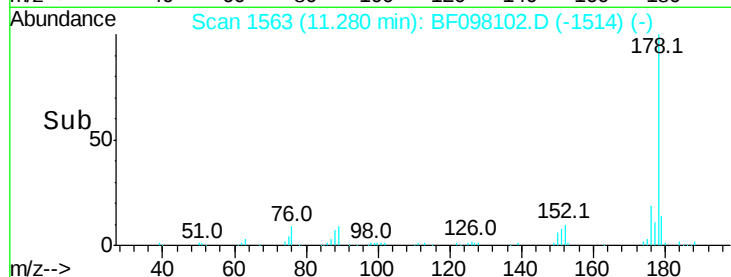
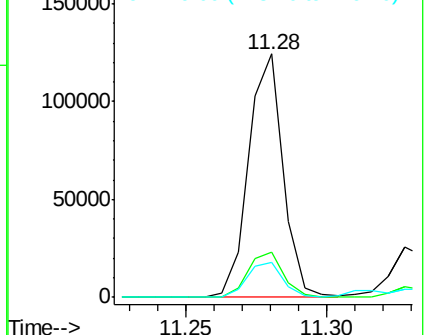
179 14.3 12.6 19.0



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: 4.543 ng

RT: 12.46 min Scan# 1764

Delta R.T. -0.01 min

Lab File: BF098102.D

Acq: 29 Aug 2017 8:25

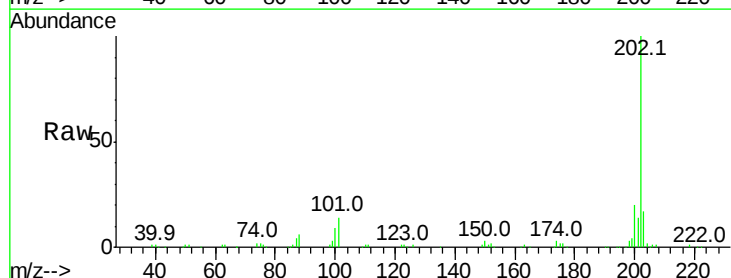
Tgt Ion:202 Resp: 92222

Ion Ratio Lower Upper

202 100

101 13.7 0.0 33.2

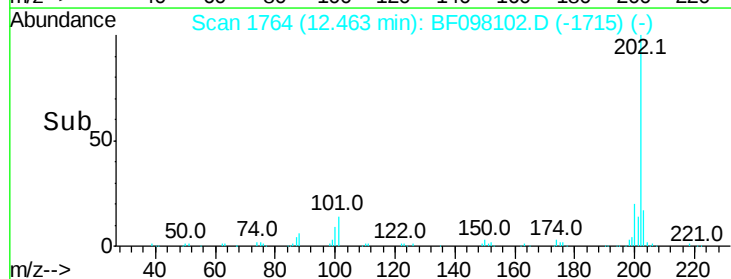
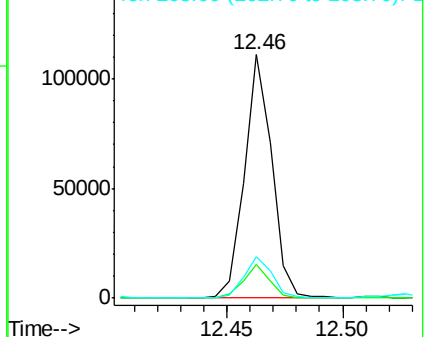
203 17.1 0.0 38.1

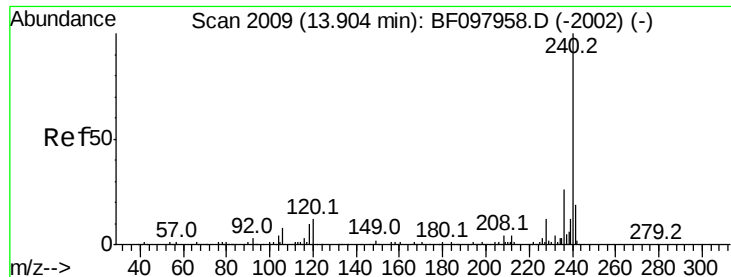


Abundance Ion 202.00 (201.70 to 202.70): E

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: 13.89 min Scan# 2006

Delta R.T. -0.01 min

Lab File: BF098102.D

Acq: 29 Aug 2017 8:25

Instrument :

BNA_F

ClientSampleId :

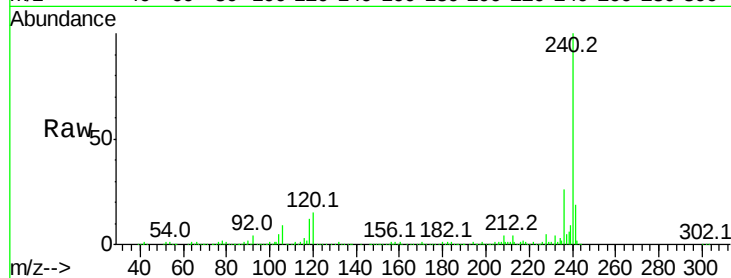
Tot Ion:240 Resp: 282668

Ion Ratio Lower Upper

240 100

120 14.6 5.8 8.8#

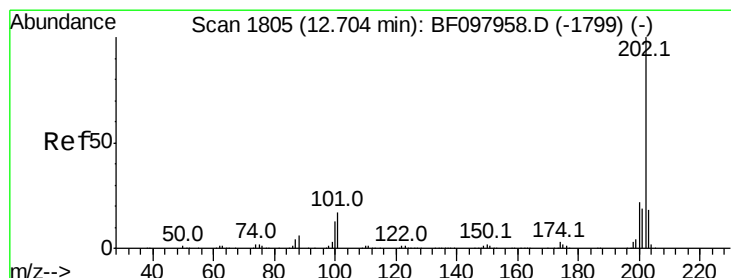
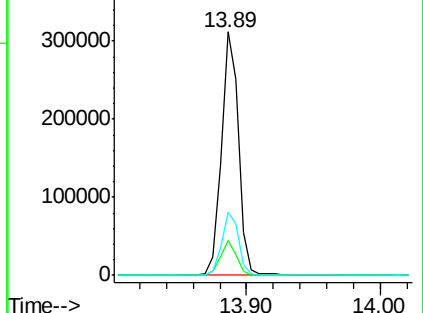
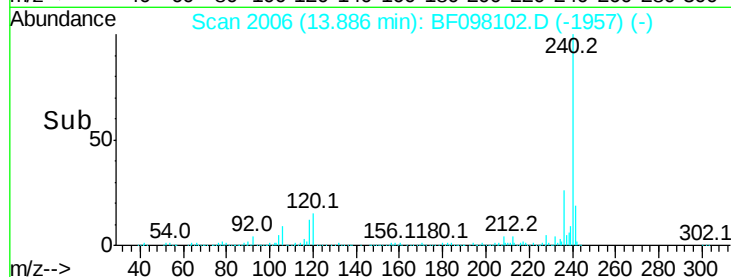
236 25.9 20.5 30.7



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 3.764 ng

RT: 12.69 min Scan# 1803

Delta R.T. -0.01 min

Lab File: BF098102.D

Acq: 29 Aug 2017 8:25

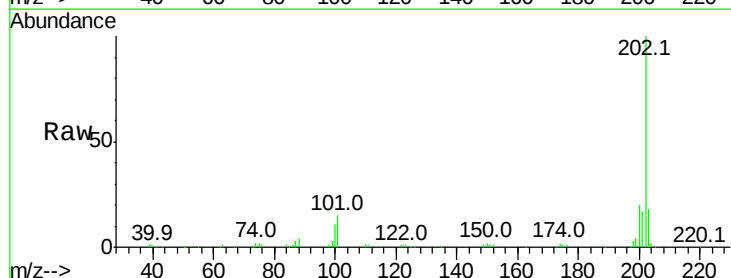
Tgt Ion:202 Resp: 87025

Ion Ratio Lower Upper

202 100

200 19.6 17.6 26.4

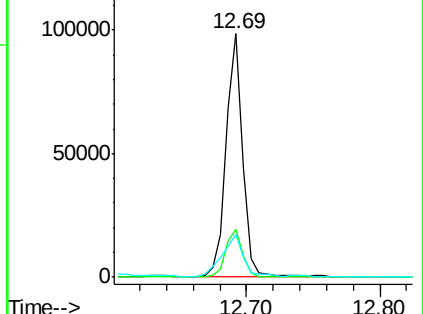
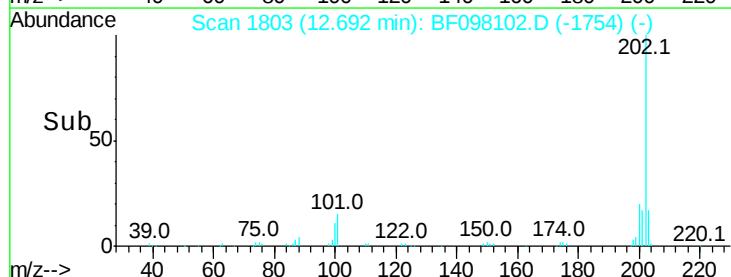
203 17.6 14.4 21.6

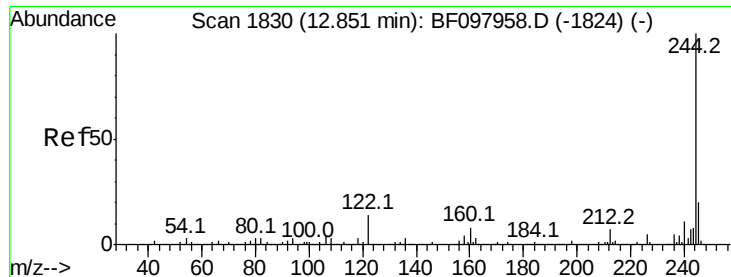


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

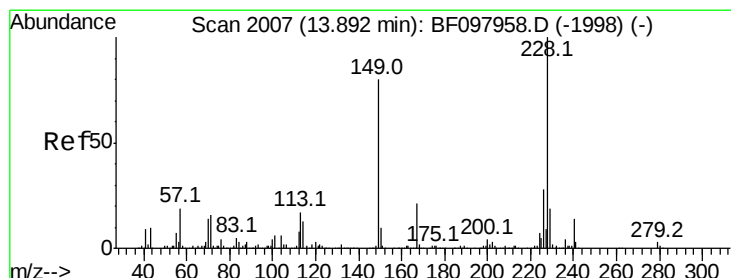
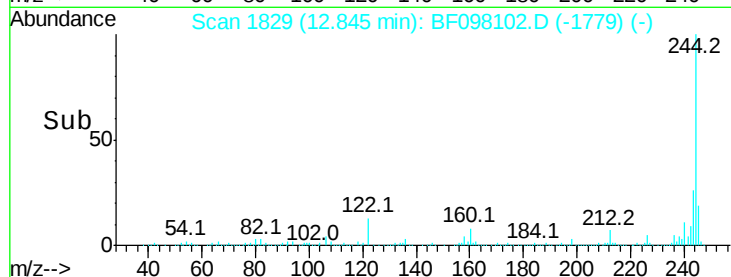
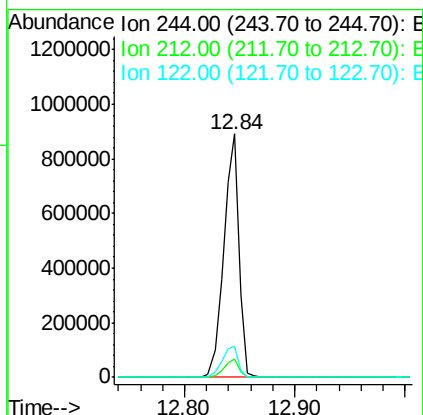
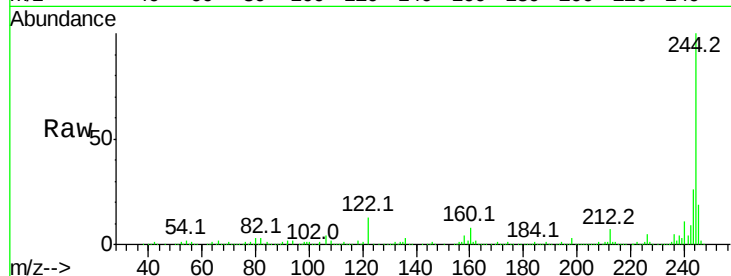




#78
 Terphenyl-d14
 Concen: 62.828 ng
 RT: 12.84 min Scan# 1829
 Delta R.T. -0.01 min
 Lab File: BF098102.D
 Acq: 29 Aug 2017 8:25

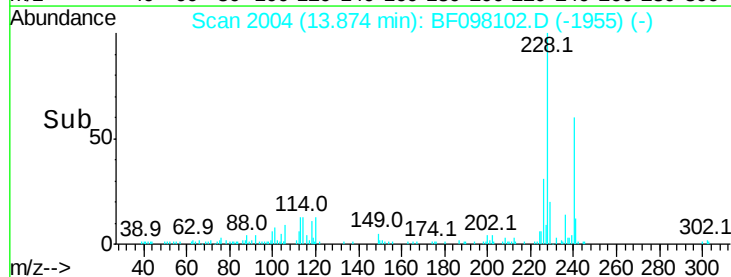
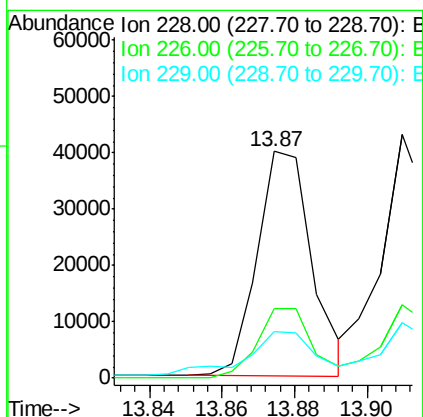
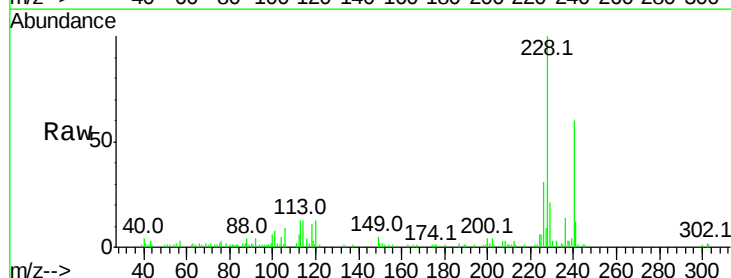
Instrument :
 BNA_F
 ClientSampleId :

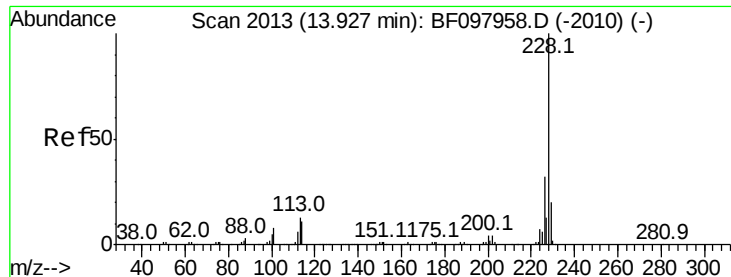
Tot Ion:244 Resp: 851638
 Ion Ratio Lower Upper
 244 100
 212 7.3 6.0 9.0
 122 12.8 10.3 15.5



#80
 Benzo(a)anthracene
 Concen: 2.470 ng
 RT: 13.87 min Scan# 2004
 Delta R.T. -0.01 min
 Lab File: BF098102.D
 Acq: 29 Aug 2017 8:25

Tgt Ion:228 Resp: 41842
 Ion Ratio Lower Upper
 228 100
 226 30.8 22.6 33.8
 229 20.5 16.3 24.5





#82

Chrysene

Concen: 2.474 ng

RT: 13.91 min Scan# 2010

Delta R.T. -0.02 min

Lab File: BF098102.D

Acq: 29 Aug 2017 8:25

Instrument :

BNA_F

ClientSampled :

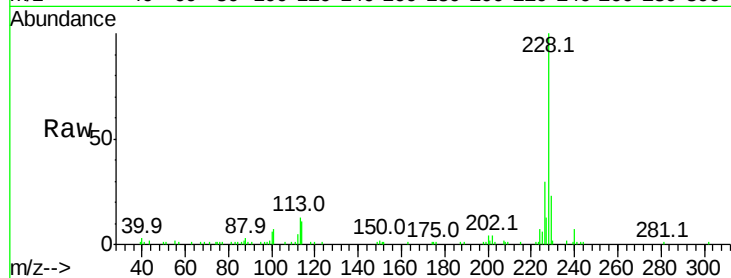
Tot Ion:228 Resp: 41702

Ion Ratio Lower Upper

228 100

226 30.1 24.9 37.3

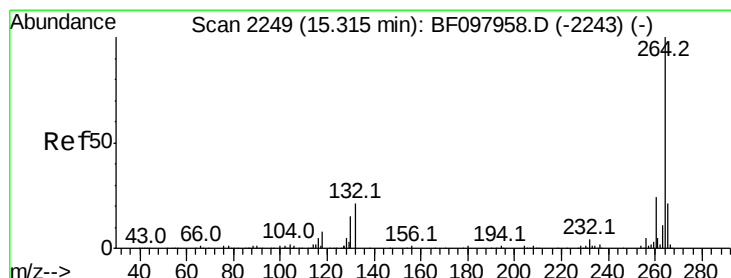
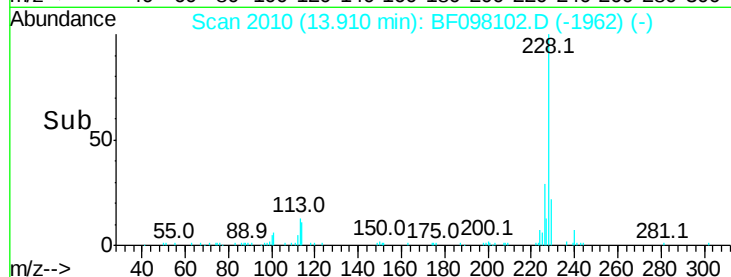
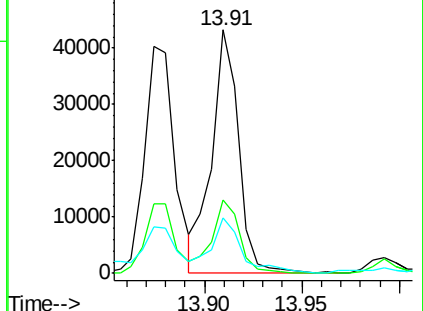
229 23.0 15.8 23.6



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



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.31 min Scan# 2248

Delta R.T. 0.00 min

Lab File: BF098102.D

Acq: 29 Aug 2017 8:25

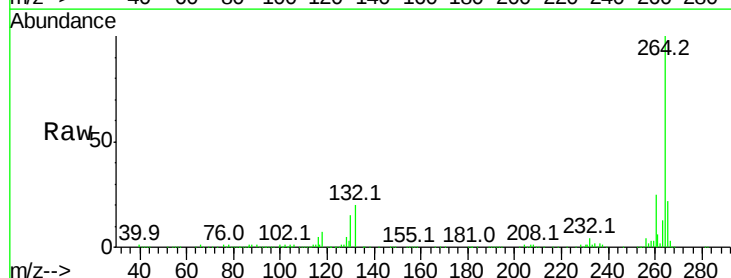
Tgt Ion:264 Resp: 277398

Ion Ratio Lower Upper

264 100

260 25.1 19.5 29.3

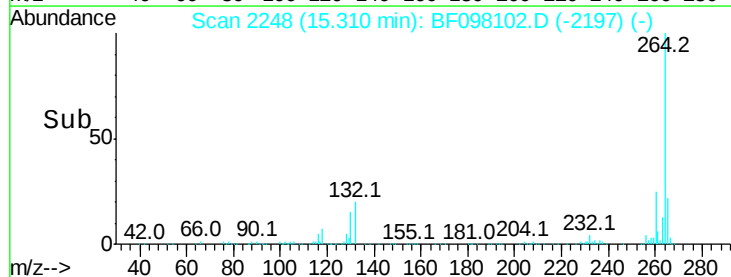
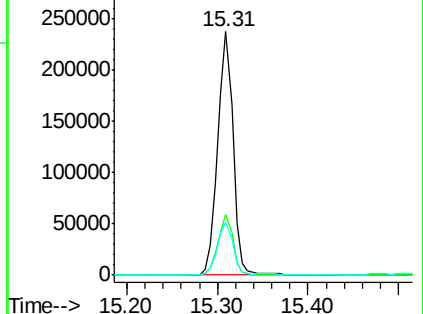
265 21.9 17.2 25.8

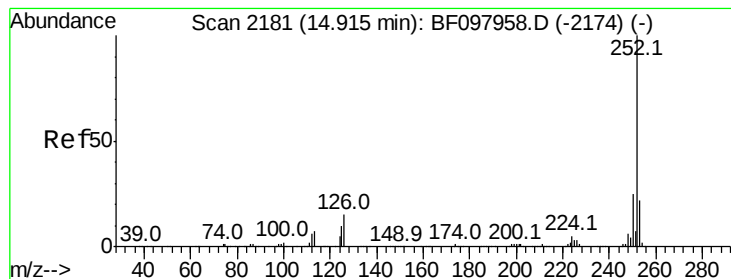


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 3.297 ng

RT: 14.90 min Scan# 2179

Delta R.T. -0.01 min

Lab File: BF098102.D

Acq: 29 Aug 2017 8:25

Instrument :

BNA_F

ClientSampleId :

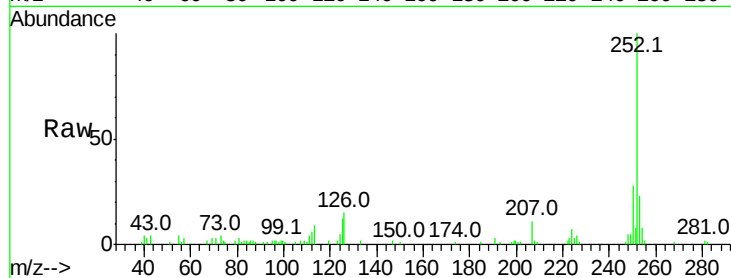
Tot Ion:252 Resp: 57657

Ion Ratio Lower Upper

252 100

253 23.4 18.1 27.1

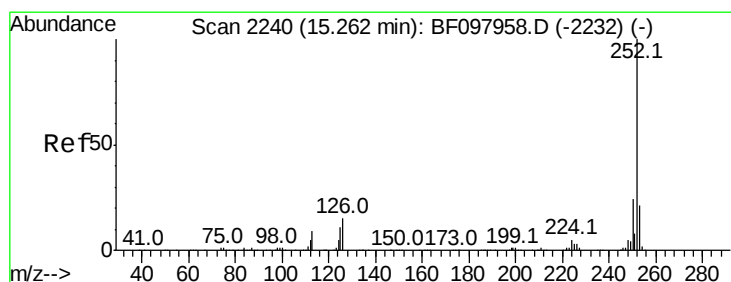
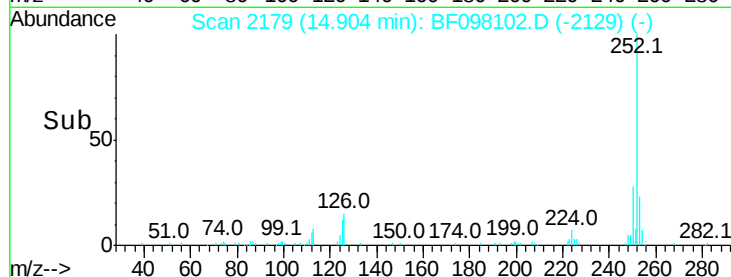
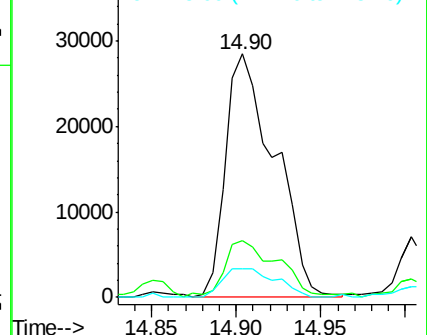
125 12.0 9.8 14.8



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



#89

Benzo(a)pyrene

Concen: 2.190 ng

RT: 15.24 min Scan# 2237

Delta R.T. -0.01 min

Lab File: BF098102.D

Acq: 29 Aug 2017 8:25

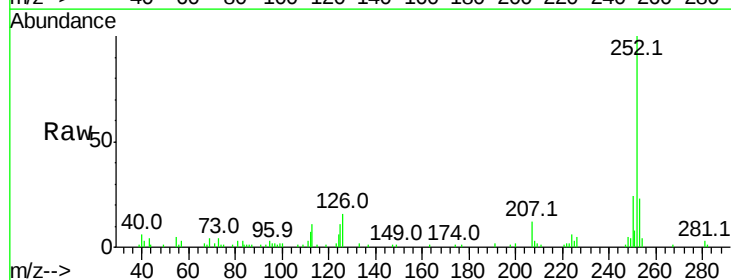
Tgt Ion:252 Resp: 33903

Ion Ratio Lower Upper

252 100

253 22.9 17.5 26.3

125 10.5 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

