

Data Path : Z:\HPCHEM1\BNA F\DATA\BF080517\
 Data File : BF097412.D
 Acq On : 5 Aug 2017 22:11
 Operator : SJ/JU
 Sample : I4614-02 2X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 06 01:13:11 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 04 01:17:22 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.43	152	152431	20.00	ng	-0.07
21) Naphthalene-d8	7.71	136	540163	20.00	ng	-0.08
38) Acenaphthene-d10	9.45	164	214685	20.00	ng	-0.08
63) Phenanthrene-d10	10.93	188	309973	20.00	ng	-0.08
75) Chrysene-d12	13.55	240	279876	20.00	ng	-0.08
86) Perylene-d12	14.89	264	203161	20.00	ng	-0.09

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.02	112	319611	31.61	ng	-0.08
7) Phenol-d6	6.10	99	366013	31.71	ng	-0.07
23) Nitrobenzene-d5	6.99	82	195392	21.22	ng	-0.08
41) 2,4,6-Tribromophenol	10.24	330	46451	27.39	ng	-0.08
44) 2-Fluorobiphenyl	8.79	172	227795	18.01	ng	-0.08
78) Terphenyl-d14	12.50	244	180789	13.17	ng	-0.08

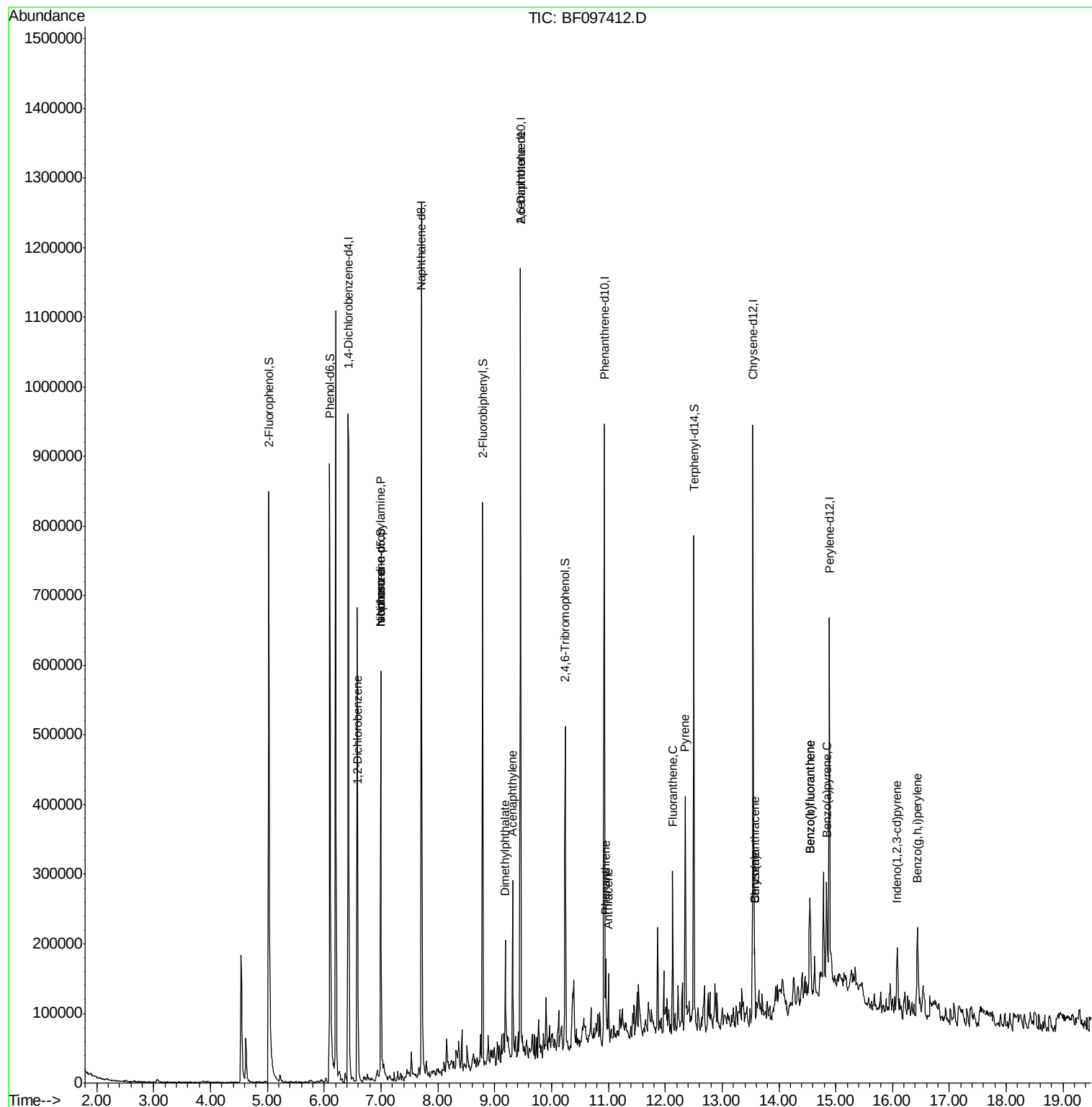
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
14) 1,2-Dichlorobenzene	6.59	146	22111	2.19	ng	95
19) n-Nitroso-di-n-propylamine	6.99	70	25759	3.39	ng	# 86
25) Isophorone	6.99	82	191420	10.62	ng	# 67
48) Acenaphthylene	9.32	152	106137	5.12	ng	97
49) Dimethylphthalate	9.19	163	39228	2.41	ng	99
50) 2,6-Dinitrotoluene	9.45	165	28636	8.28	ng	# 34
70) Phenanthrene	10.95	178	44709	2.69	ng	96
71) Anthracene	11.00	178	37776	2.22	ng	98
74) Fluoranthene	12.13	202	76901	4.73	ng	98
77) Pyrene	12.35	202	135236	5.90	ng	99
80) Benzo(a)anthracene	13.57	228	43956	2.43	ng	92
82) Chrysene	13.57	228	43956	2.49	ng	95
85) Indeno(1,2,3-cd)pyrene	16.09	276	46171	3.05	ng	95
87) Benzo(b)fluoranthene	14.54	252	77723	6.36	ng	# 97
88) Benzo(k)fluoranthene	14.54	252	77723	6.68	ng	98
89) Benzo(a)pyrene	14.84	252	55463	4.96	ng	95
91) Benzo(a,h,i)perylene	16.44	276	87579	9.11	ng	98

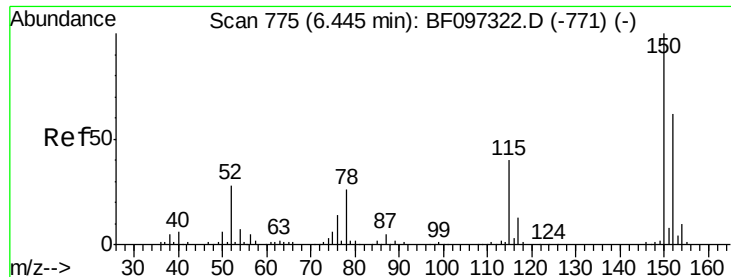
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc :
ALS Vial : 23 Sample Multiplier: 1

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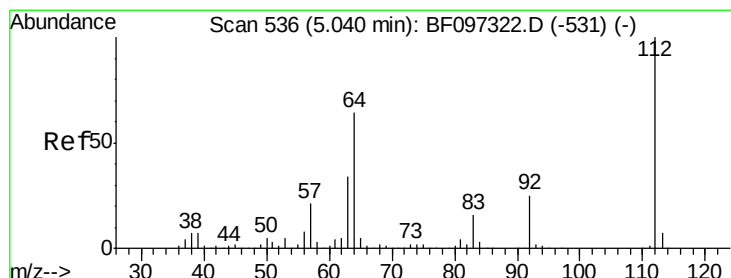
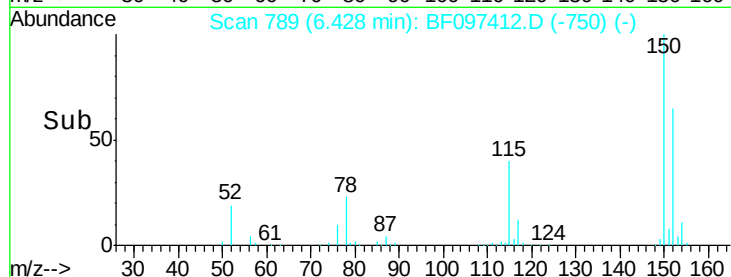
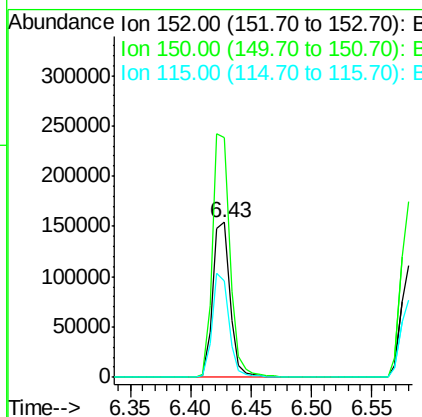
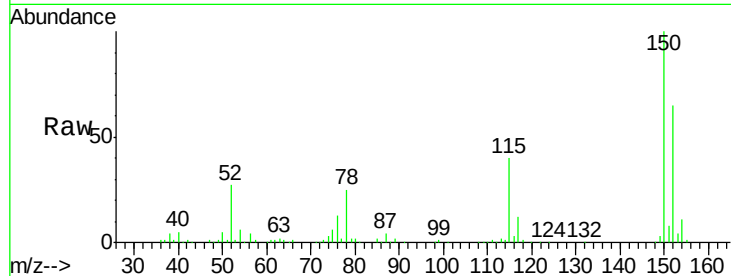


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.43 min Scan# 789
Delta R.T. -0.07 min
Lab File: BF097412.D
Acq: 5 Aug 2017 22:11

Instrument :
BNA_F
ClientSampleId :

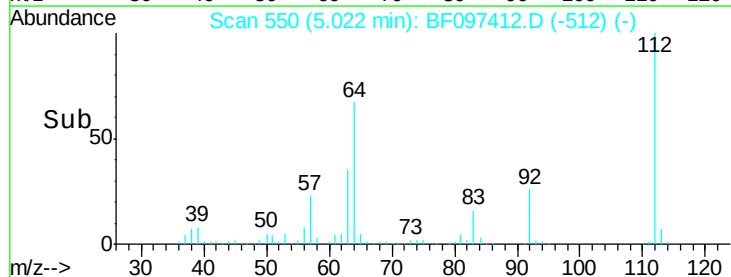
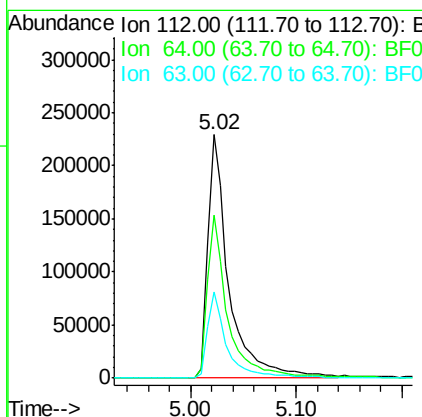
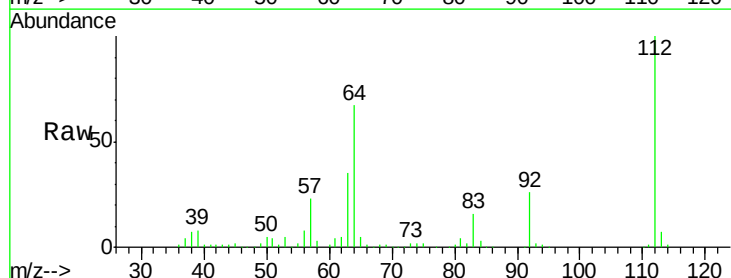
Tot Ion:152 Resp: 152431
Ion Ratio Lower Upper
152 100
150 154.2 126.2 189.2
115 61.8 52.2 78.2

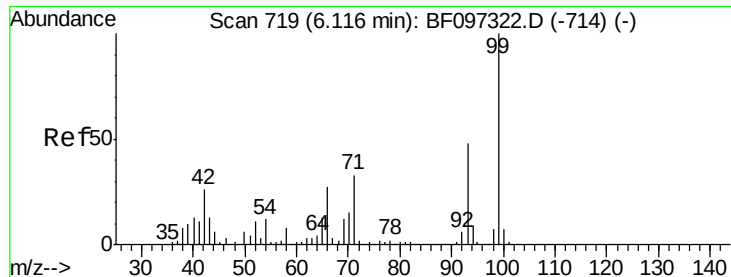


#5

2-Fluorophenol
Concen: 31.61 ng
RT: 5.02 min Scan# 550
Delta R.T. -0.08 min
Lab File: BF097412.D
Acq: 5 Aug 2017 22:11

Tgt Ion:112 Resp: 319611
Ion Ratio Lower Upper
112 100
64 66.9 46.0 69.0
63 35.4 23.4 35.0#





#7

Phenol-d6

Concen: 31.71 ng

RT: 6.10 min Scan# 733

Delta R.T. -0.07 min

Lab File: BF097412.D

Acq: 5 Aug 2017 22:11

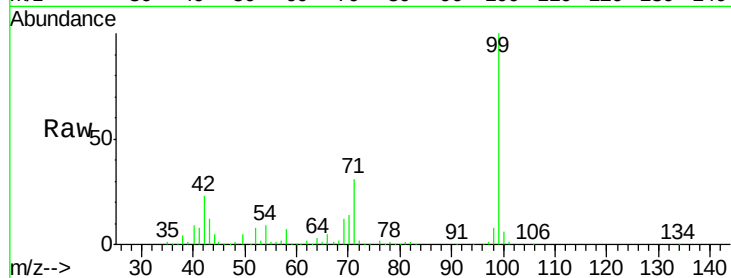
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 366013

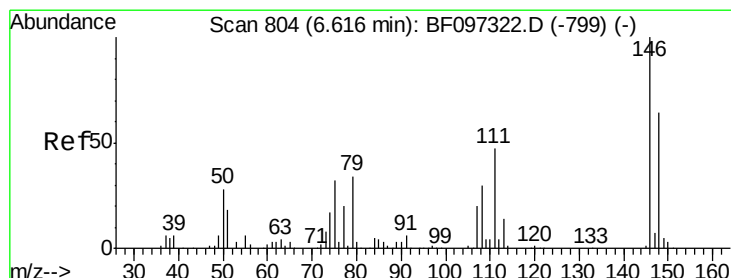
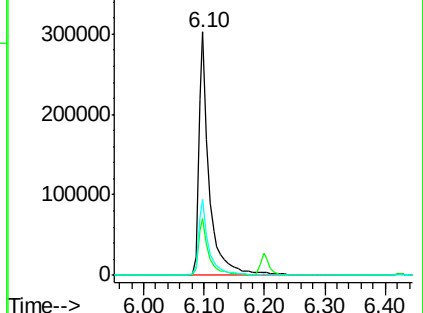
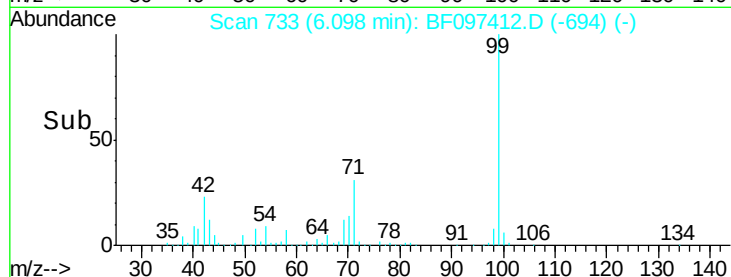
Ion	Ratio	Lower	Upper
99	100		
42	23.1	13.5	20.3#
71	31.0	24.5	36.7



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



#14

1,2-Dichlorobenzene

Concen: 2.19 ng

RT: 6.59 min Scan# 817

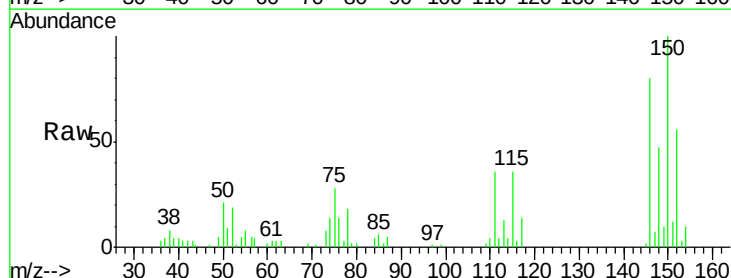
Delta R.T. -0.08 min

Lab File: BF097412.D

Acq: 5 Aug 2017 22:11

Tgt Ion: 146 Resp: 22111

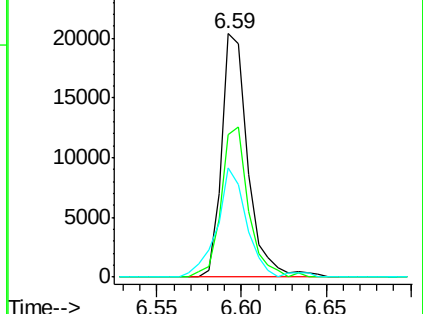
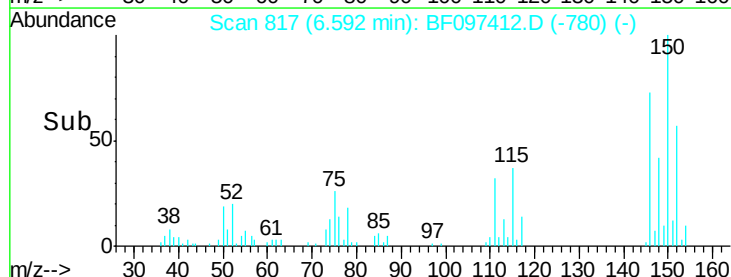
Ion	Ratio	Lower	Upper
146	100		
148	58.5	50.4	75.6
111	44.9	38.2	57.4

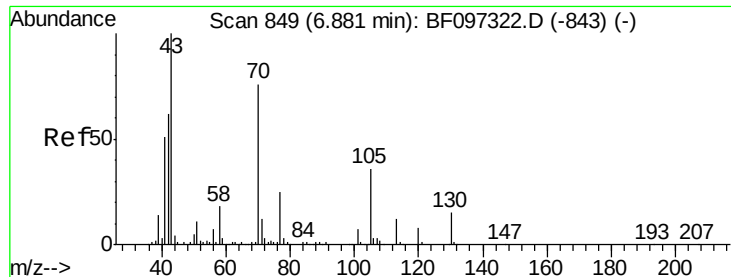


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E

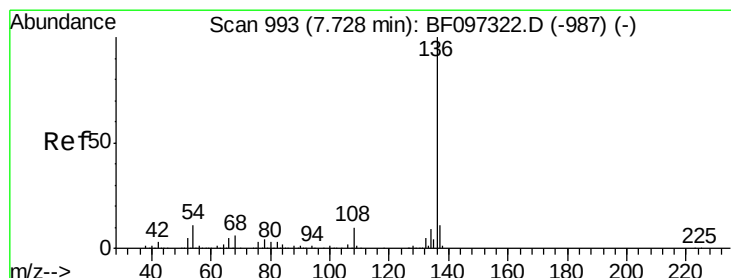
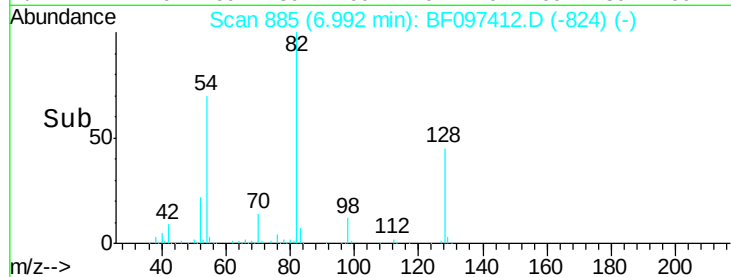
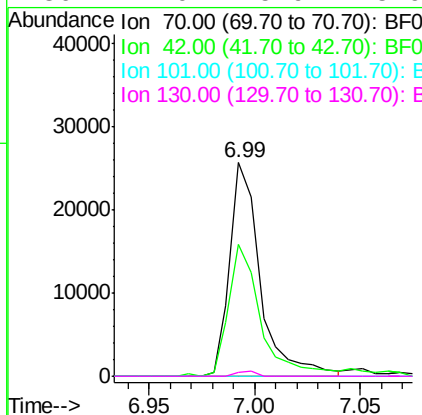
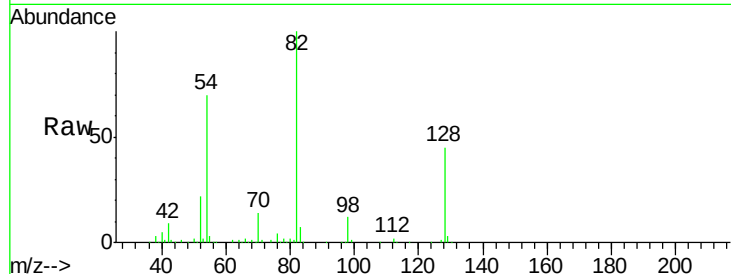




#19
n-Nitroso-di-n-propylamine
Concen: 3.39 ng
RT: 6.99 min Scan# 885
Delta R.T. 0.06 min
Lab File: BF097412.D
Acq: 5 Aug 2017 22:11

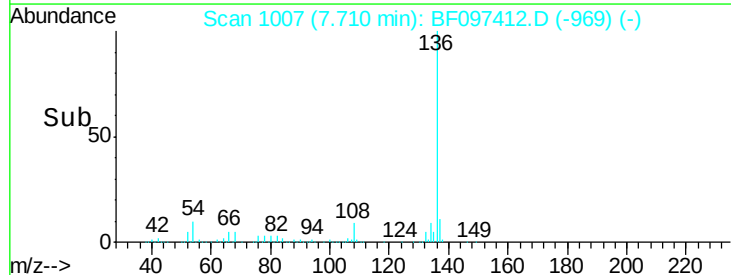
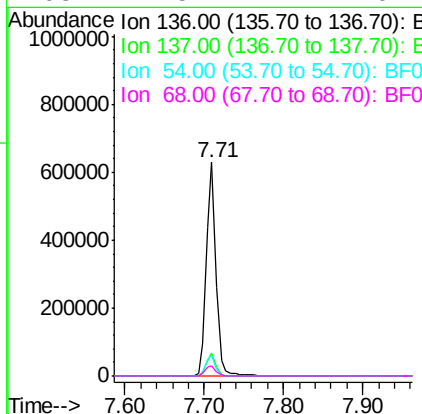
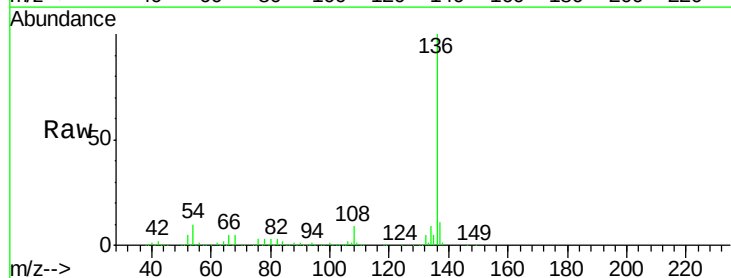
Instrument :
BNA_F
ClientSampleId :

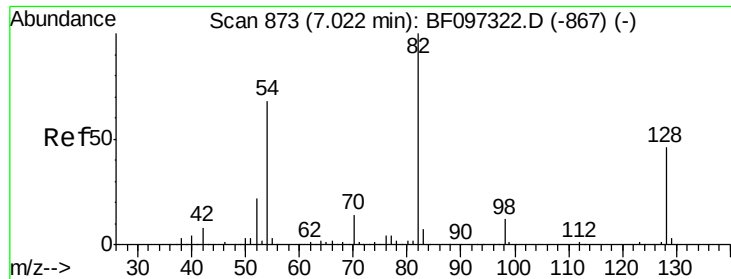
Tot Ion: 70 Resp: 25759
Ion Ratio Lower Upper
70 100
42 61.9 47.2 70.8
101 0.0 7.2 10.8#
130 2.0 15.9 23.9#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.71 min Scan# 1007
Delta R.T. -0.08 min
Lab File: BF097412.D
Acq: 5 Aug 2017 22:11

Tgt Ion: 136 Resp: 540163
Ion Ratio Lower Upper
136 100
137 10.8 8.5 12.7
54 9.7 4.9 7.3#
68 4.5 4.1 6.1

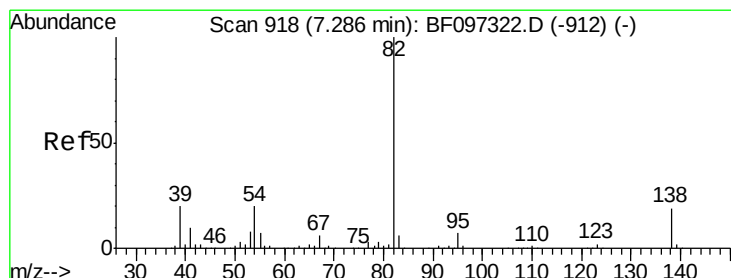
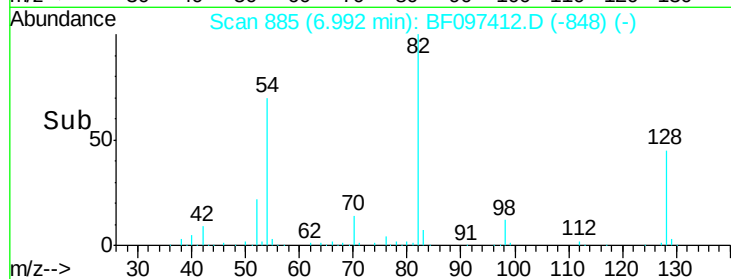
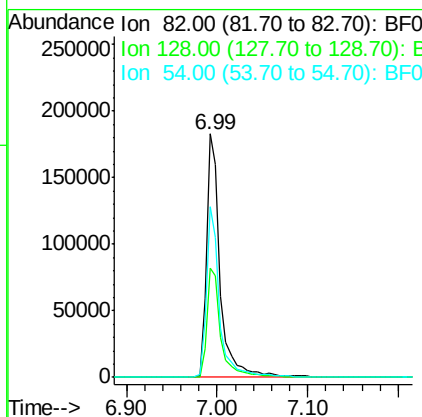
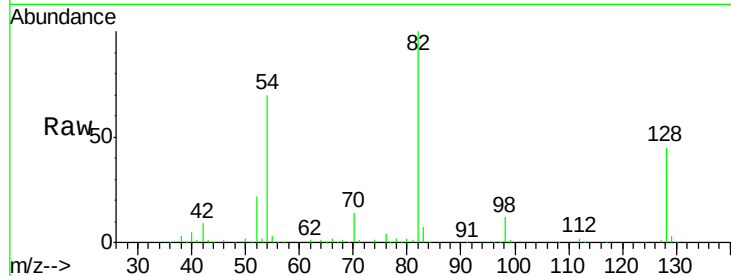




#23
 Nitrobenzene-d5
 Concen: 21.22 ng
 RT: 6.99 min Scan# 885
 Delta R.T. -0.08 min
 Lab File: BF097412.D
 Acq: 5 Aug 2017 22:11

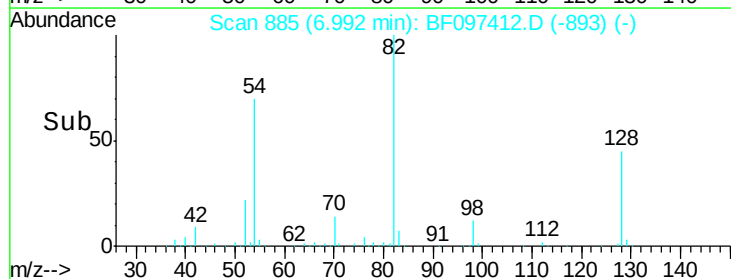
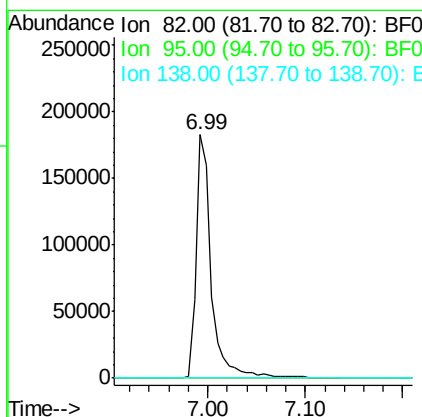
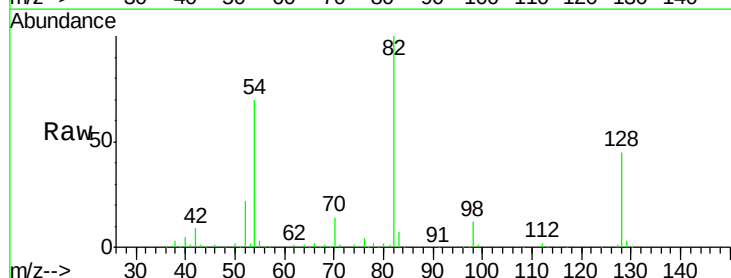
Instrument :
 BNA_F
 ClientSampled :

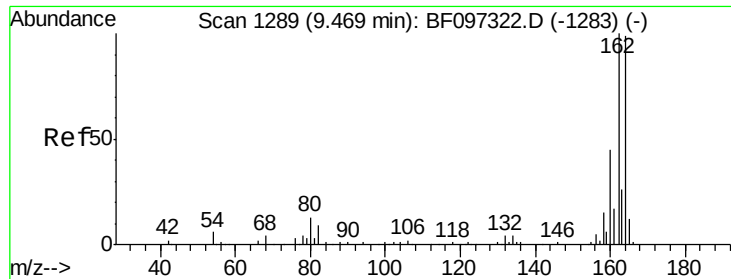
Tot Ion	82	Resp	195392
Ion Ratio	Lower	Upper	
82	100		
128	44.9	34.0	51.0
54	69.8	42.2	63.2#



#25
 Isophorone
 Concen: 10.62 ng
 RT: 6.99 min Scan# 885
 Delta R.T. -0.35 min
 Lab File: BF097412.D
 Acq: 5 Aug 2017 22:11

Tgt Ion	82	Resp	191420
Ion Ratio	Lower	Upper	
82	100		
95	0.0	5.3	7.9#
138	0.0	13.1	19.7#

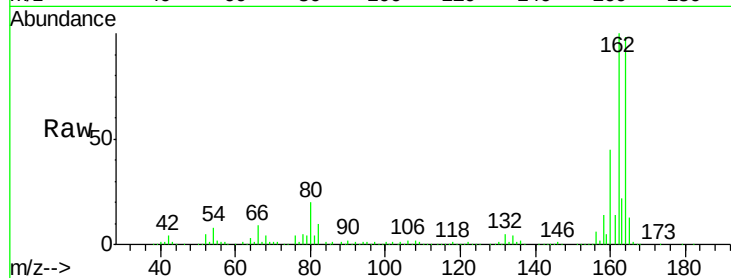




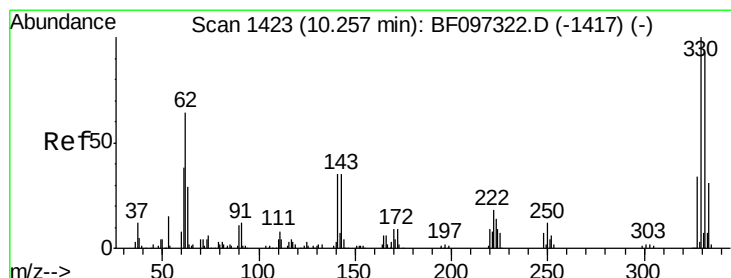
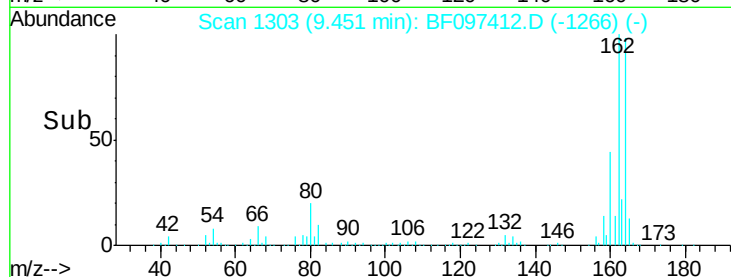
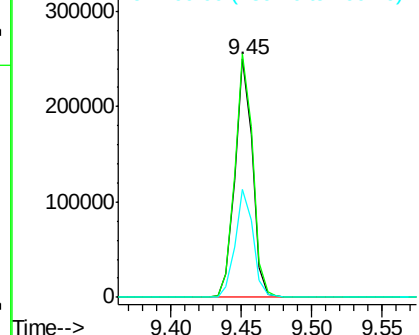
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.45 min Scan# 1303
Delta R.T. -0.08 min
Lab File: BF097412.D
Acq: 5 Aug 2017 22:11

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 214685
Ion Ratio Lower Upper
164 100
162 102.3 82.6 123.8
160 45.6 36.2 54.2

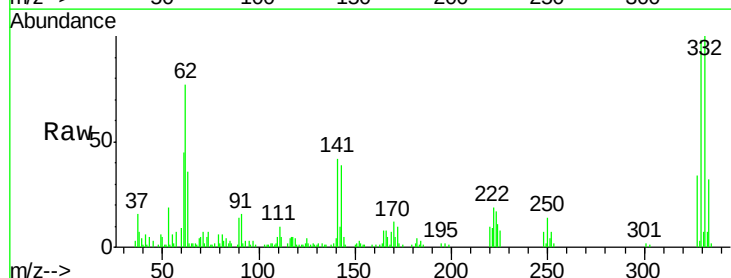


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

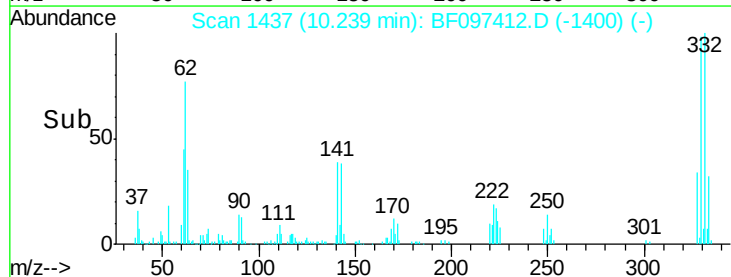
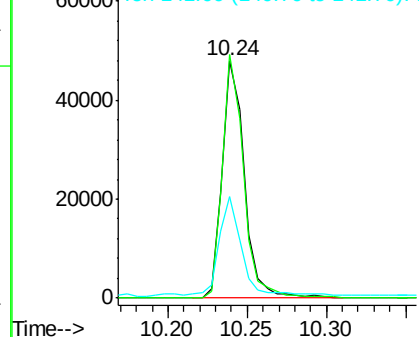


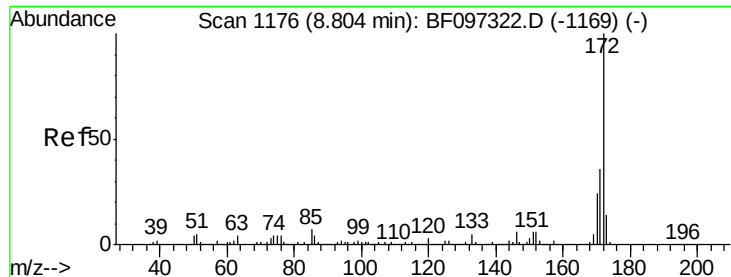
#41
2,4,6-Tribromophenol
Concen: 27.39 ng
RT: 10.24 min Scan# 1437
Delta R.T. -0.08 min
Lab File: BF097412.D
Acq: 5 Aug 2017 22:11

Tgt Ion:330 Resp: 46451
Ion Ratio Lower Upper
330 100
332 98.2 76.6 115.0
141 39.7 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

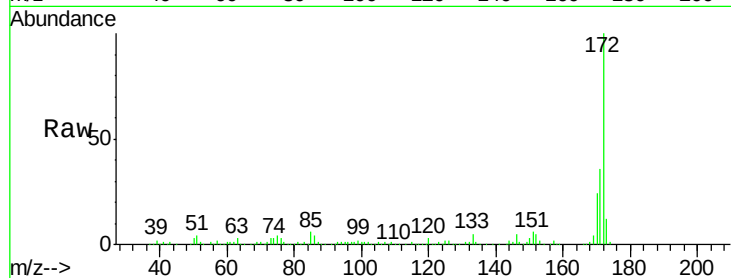




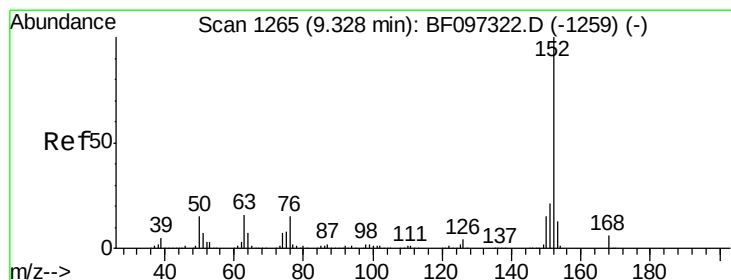
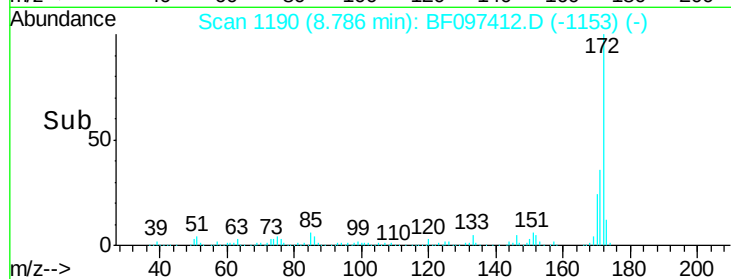
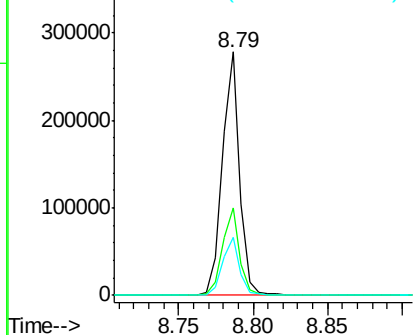
#44
2-Fluorobiphenyl
Concen: 18.01 ng
RT: 8.79 min Scan# 1190
Delta R.T. -0.08 min
Lab File: BF097412.D
Acq: 5 Aug 2017 22:11

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.0	29.6	44.4
170	23.7	19.8	29.8

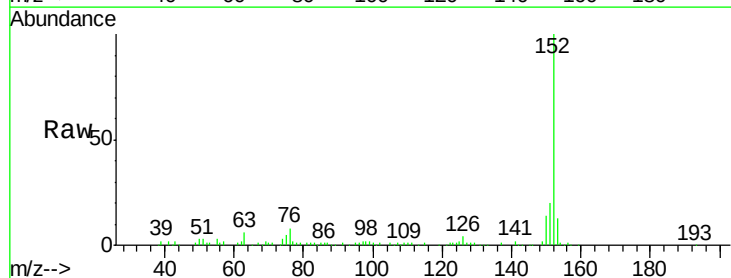


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

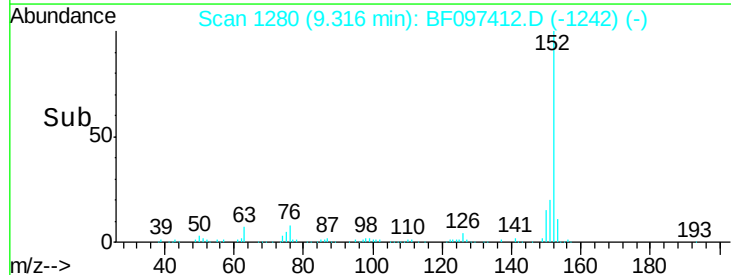
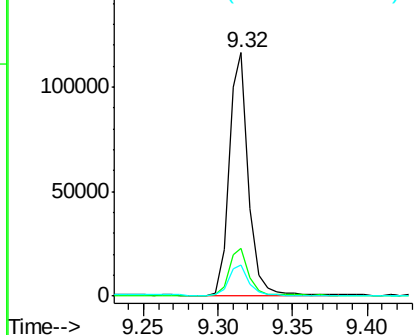


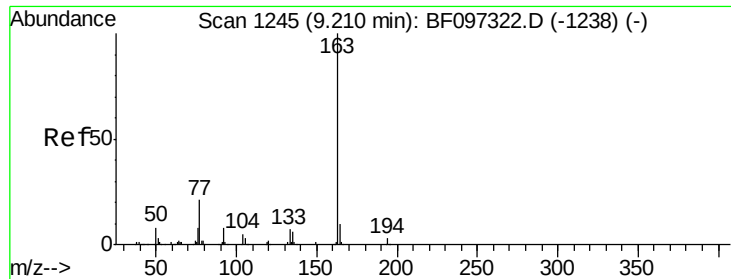
#48
Acenaphthylene
Concen: 5.12 ng
RT: 9.32 min Scan# 1280
Delta R.T. -0.08 min
Lab File: BF097412.D
Acq: 5 Aug 2017 22:11

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.6	16.8	25.2
153	12.7	10.8	16.2



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E

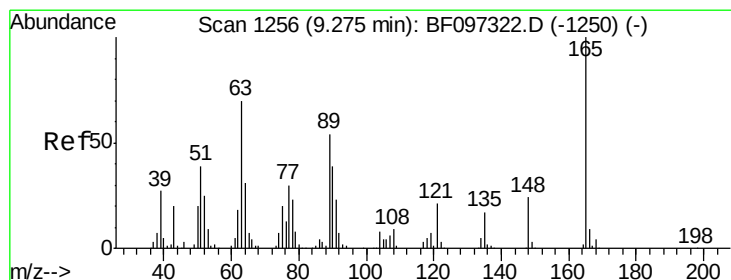
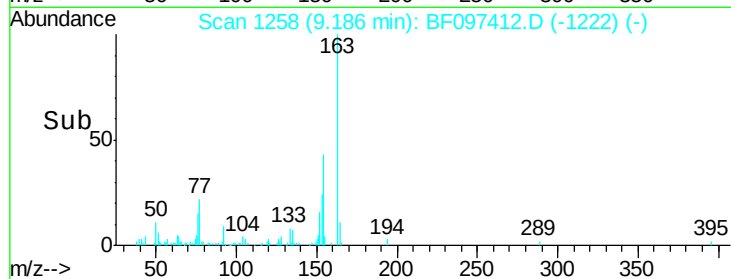
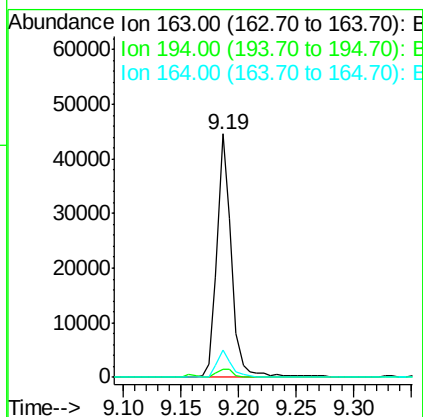
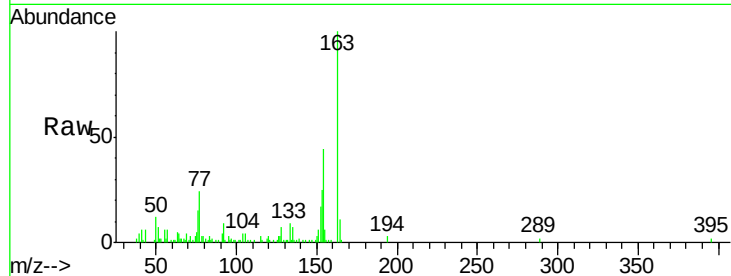




#49
Dimethylphthalate
Concen: 2.41 ng
RT: 9.19 min Scan# 1258
Delta R.T. -0.09 min
Lab File: BF097412.D
Acq: 5 Aug 2017 22:11

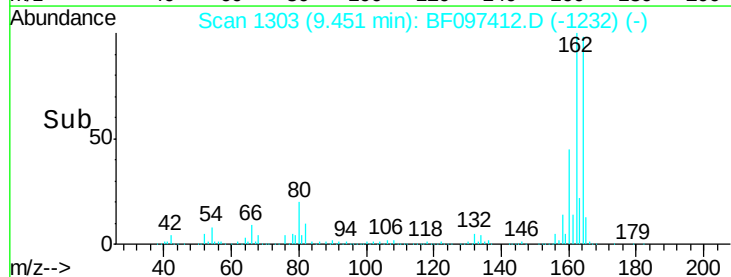
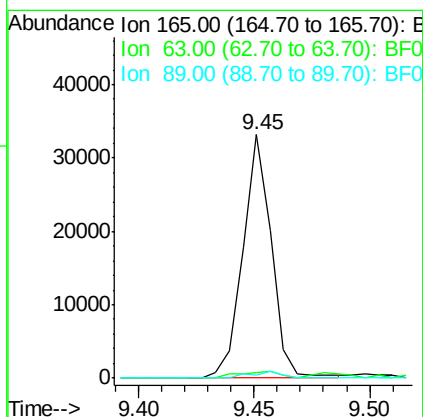
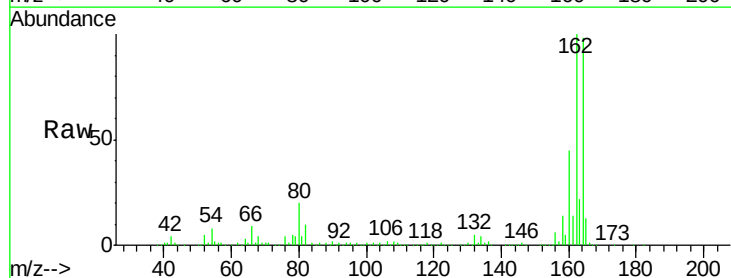
Instrument :
BNA_F
ClientSampleId :

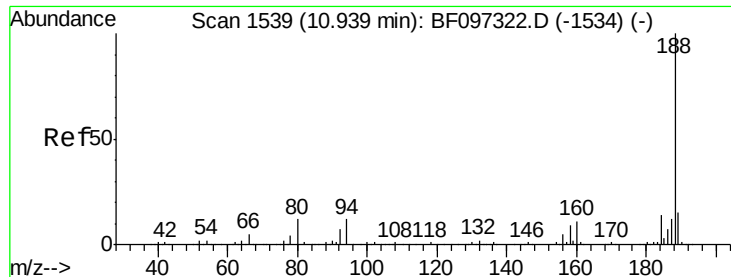
Tot Ion	Ion	Ratio	Lower	Upper
163	100			
194	3.5	2.6	4.0	
164	11.0	8.4	12.6	



#50
2,6-Dinitrotoluene
Concen: 8.28 ng
RT: 9.45 min Scan# 1303
Delta R.T. 0.12 min
Lab File: BF097412.D
Acq: 5 Aug 2017 22:11

Tgt Ion	Ion	Ratio	Lower	Upper
165	100			
63	2.1	34.3	51.5#	
89	1.5	37.1	55.7#	

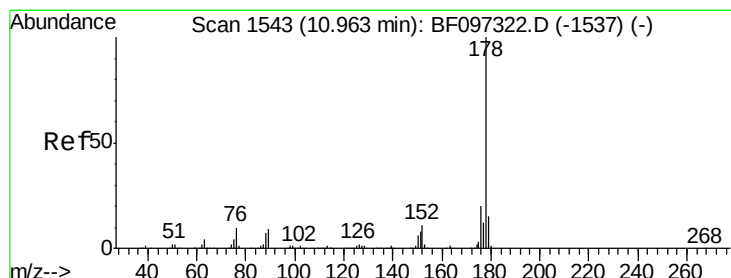
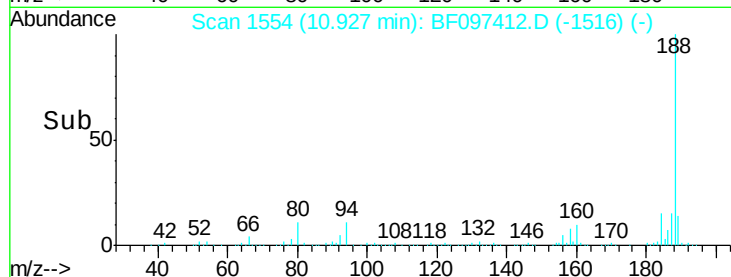
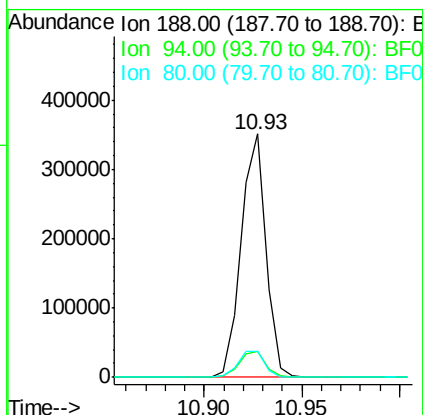
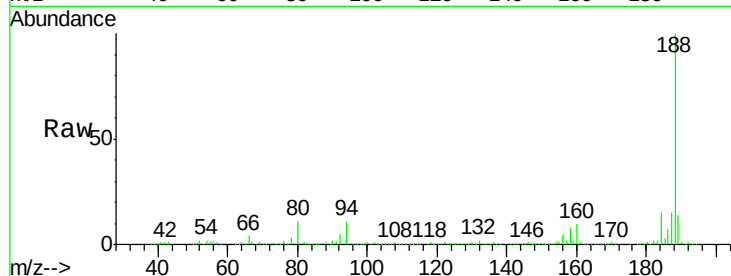




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 10.93 min Scan# 1554
Delta R.T. -0.08 min
Lab File: BF097412.D
Acq: 5 Aug 2017 22:11

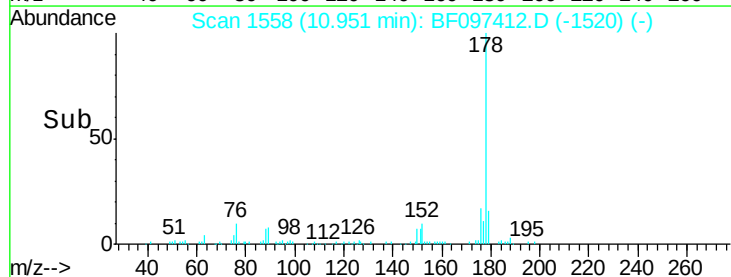
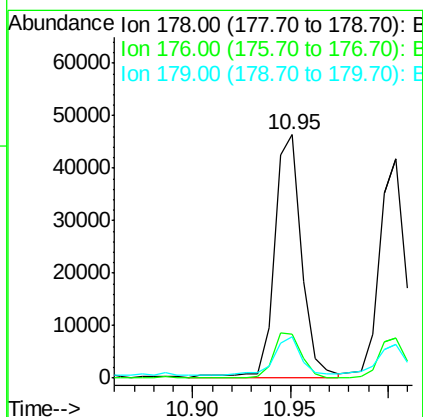
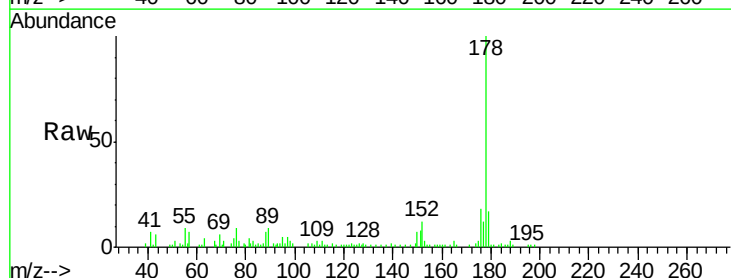
Instrument :
BNA_F
ClientSampleId :

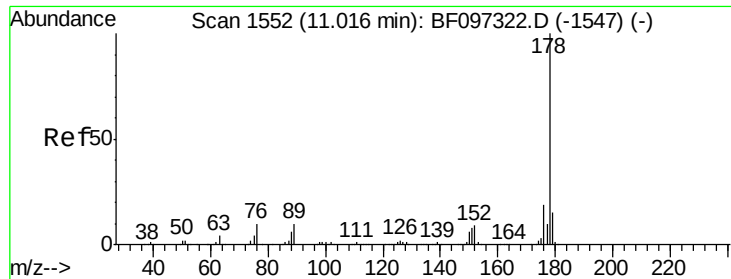
Tot Ion:188 Resp: 309973
Ion Ratio Lower Upper
188 100
94 10.9 9.4 14.2
80 10.7 10.2 15.2



#70
Phenanthrene
Concen: 2.69 ng
RT: 10.95 min Scan# 1558
Delta R.T. -0.08 min
Lab File: BF097412.D
Acq: 5 Aug 2017 22:11

Tgt Ion:178 Resp: 44709
Ion Ratio Lower Upper
178 100
176 17.9 16.2 24.4
179 17.2 12.6 19.0

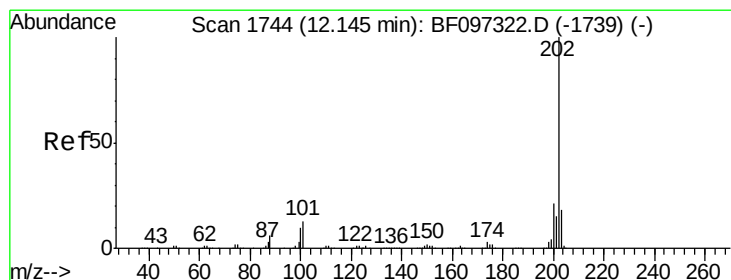
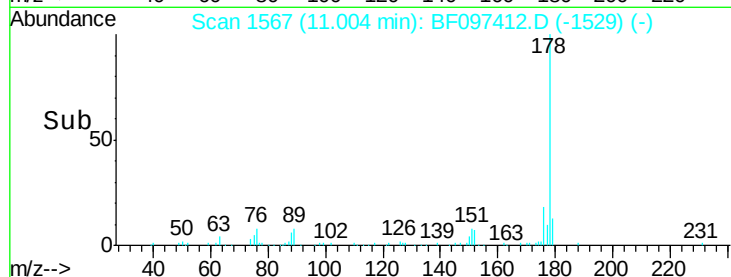
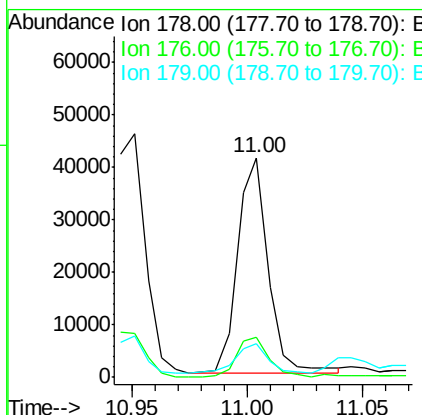
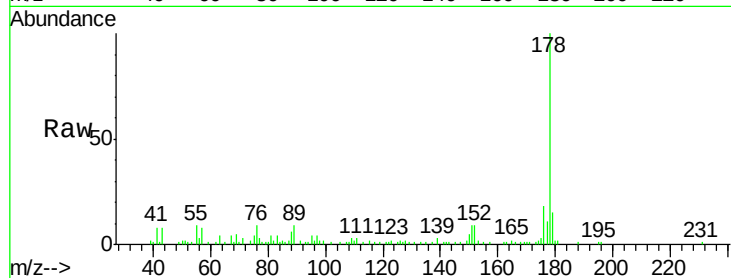




#71
 Anthracene
 Concen: 2.22 ng
 RT: 11.00 min Scan# 1567
 Delta R.T. -0.08 min
 Lab File: BF097412.D
 Acq: 5 Aug 2017 22:11

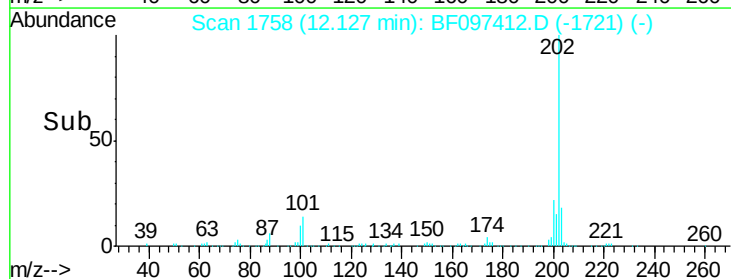
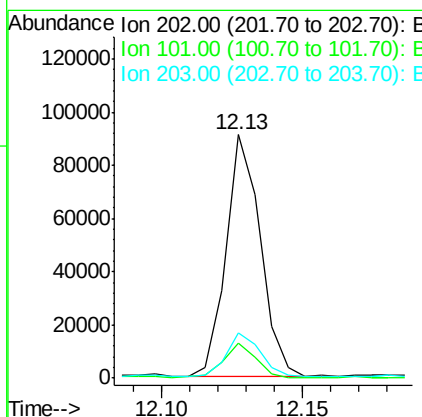
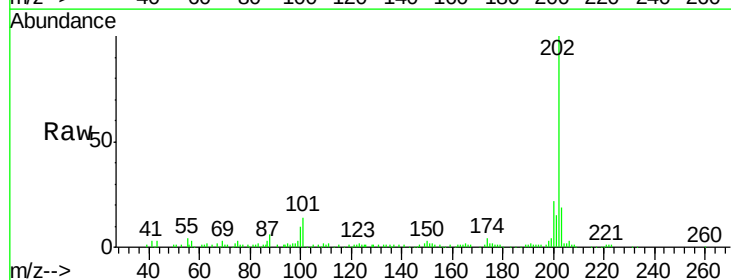
Instrument :
 BNA_F
 ClientSampleId :

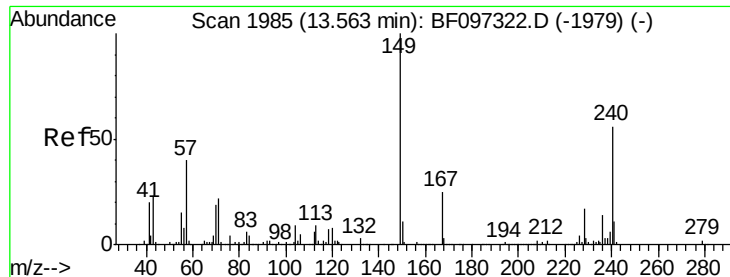
Tot Ion:178 Resp: 37776
 Ion Ratio Lower Upper
 178 100
 176 18.4 15.8 23.8
 179 15.3 12.7 19.1



#74
 Fluoranthene
 Concen: 4.73 ng
 RT: 12.13 min Scan# 1758
 Delta R.T. -0.08 min
 Lab File: BF097412.D
 Acq: 5 Aug 2017 22:11

Tgt Ion:202 Resp: 76901
 Ion Ratio Lower Upper
 202 100
 101 14.4 0.0 33.2
 203 18.8 0.0 38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.55 min Scan# 2000

Delta R.T. -0.08 min

Lab File: BF097412.D

Acq: 5 Aug 2017 22:11

Instrument :

BNA_F

ClientSampleId :

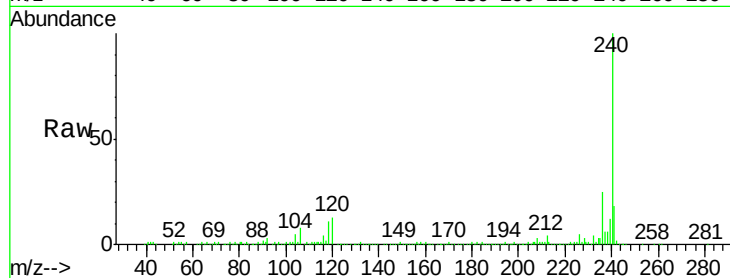
Tot Ion:240 Resp: 279876

Ion Ratio Lower Upper

240 100

120 12.8 5.8 8.8#

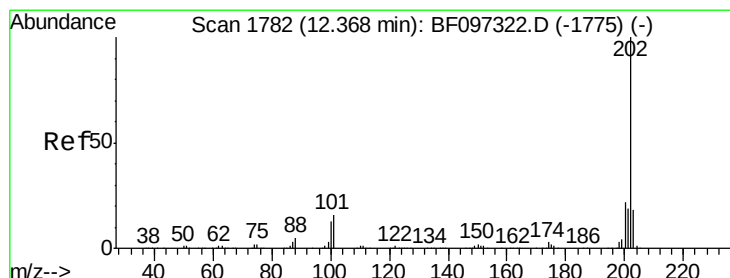
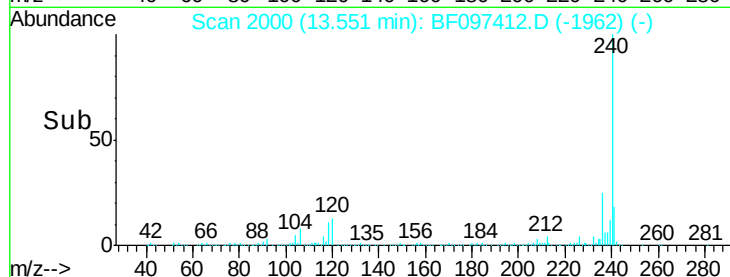
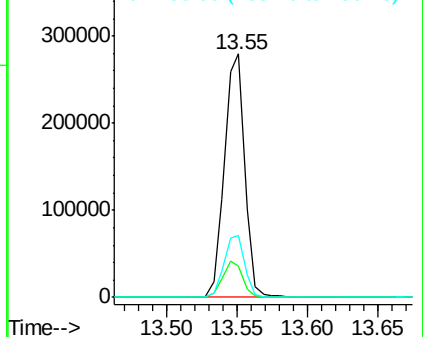
236 25.3 20.5 30.7



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: 5.90 ng

RT: 12.35 min Scan# 1796

Delta R.T. -0.08 min

Lab File: BF097412.D

Acq: 5 Aug 2017 22:11

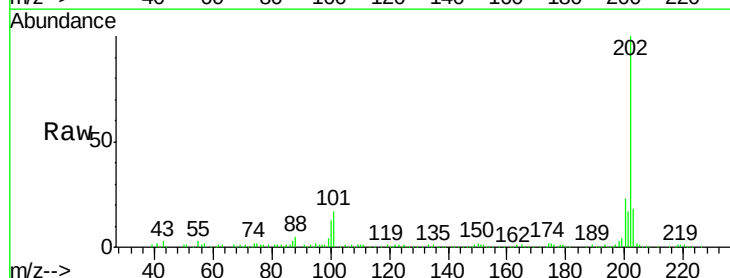
Tgt Ion:202 Resp: 135236

Ion Ratio Lower Upper

202 100

200 22.6 17.6 26.4

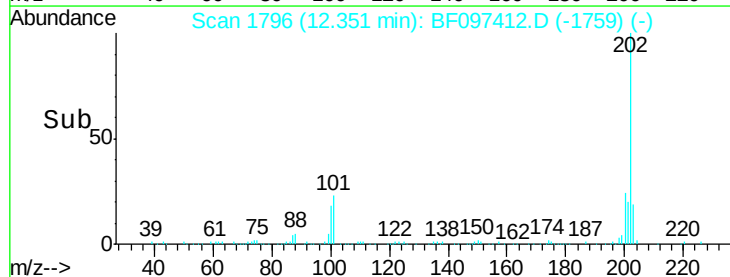
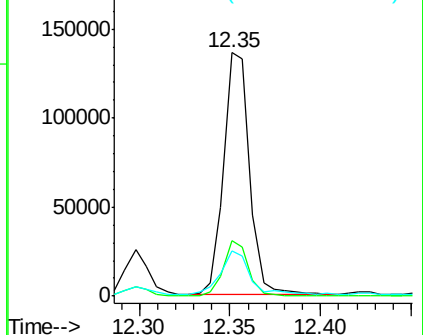
203 18.3 14.4 21.6

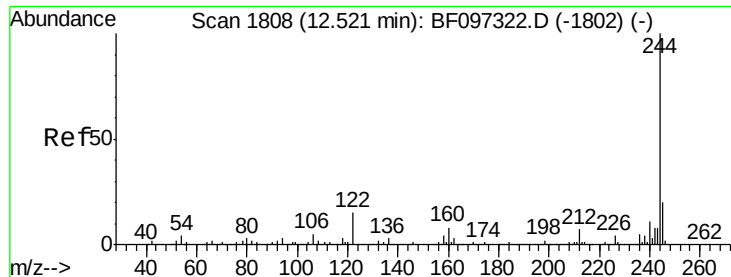


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

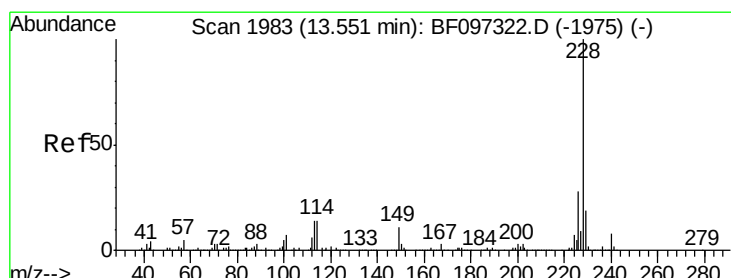
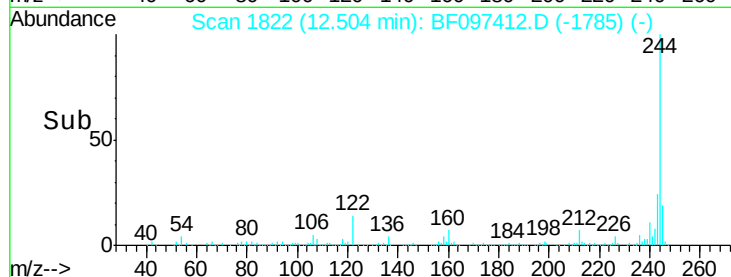
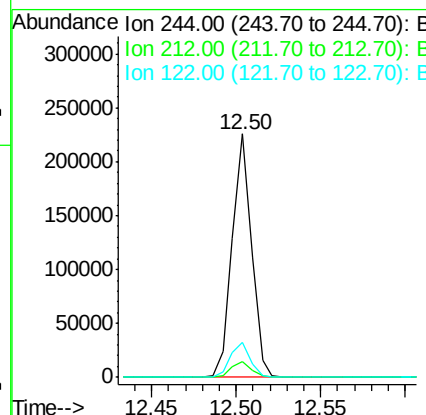
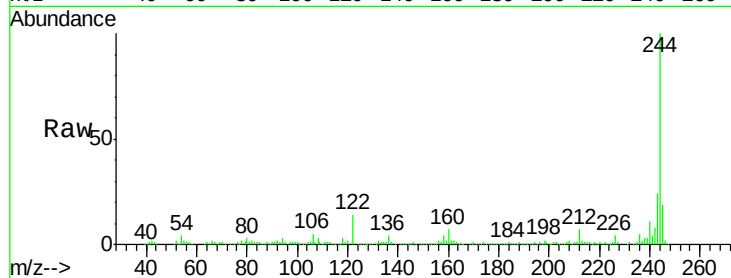




#78
 Terphenyl-d14
 Concen: 13.17 ng
 RT: 12.50 min Scan# 1822
 Delta R.T. -0.08 min
 Lab File: BF097412.D
 Acq: 5 Aug 2017 22:11

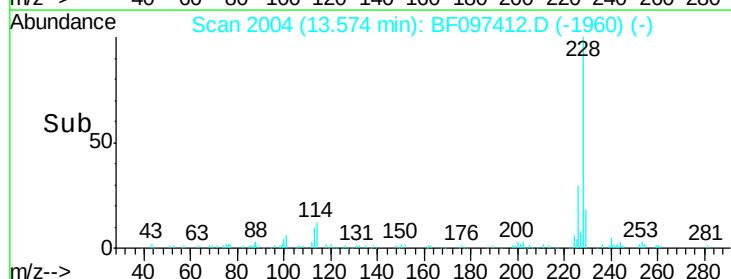
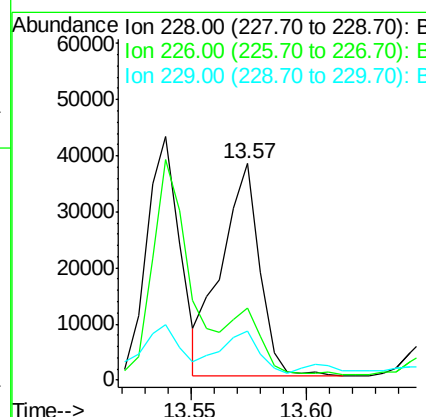
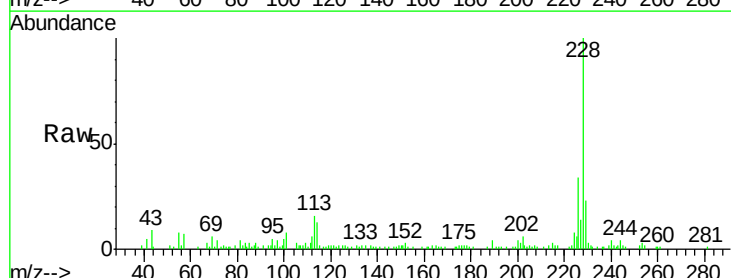
Instrument :
 BNA_F
 ClientSampleId :

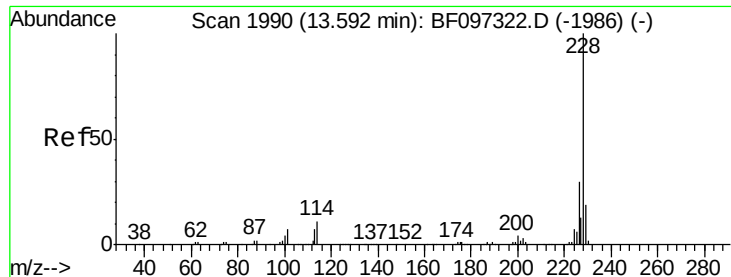
Tot Ion:244 Resp: 180789
 Ion Ratio Lower Upper
 244 100
 212 6.7 6.0 9.0
 122 14.3 10.3 15.5



#80
 Benzo(a)anthracene
 Concen: 2.43 ng
 RT: 13.57 min Scan# 2004
 Delta R.T. -0.04 min
 Lab File: BF097412.D
 Acq: 5 Aug 2017 22:11

Tgt Ion:228 Resp: 43956
 Ion Ratio Lower Upper
 228 100
 226 33.5 22.6 33.8
 229 22.6 16.3 24.5

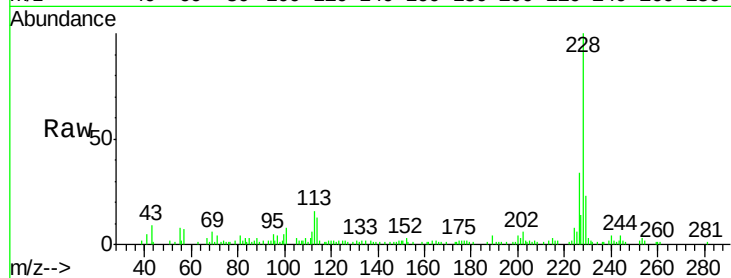




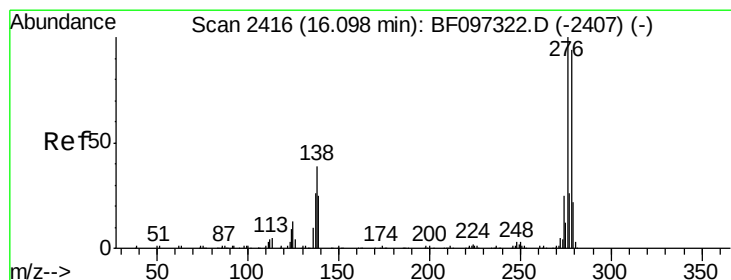
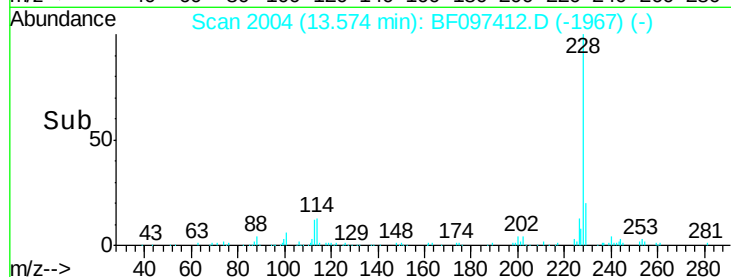
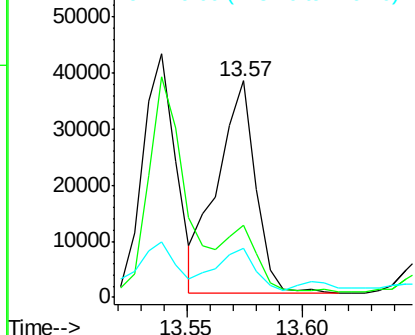
#82
Chrysene
Concen: 2.49 ng
RT: 13.57 min Scan# 2004
Delta R.T. -0.08 min
Lab File: BF097412.D
Acq: 5 Aug 2017 22:11

Instrument :
BNA_F
ClientSampleId :

Tot Ion:228 Resp: 43956
Ion Ratio Lower Upper
228 100
226 33.5 24.9 37.3
229 22.6 15.8 23.6

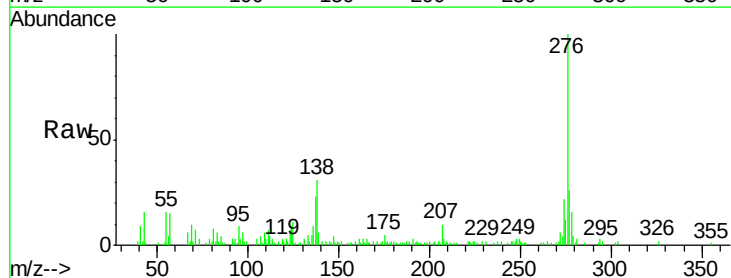


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

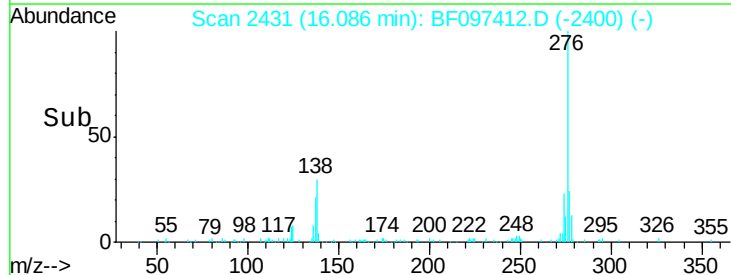
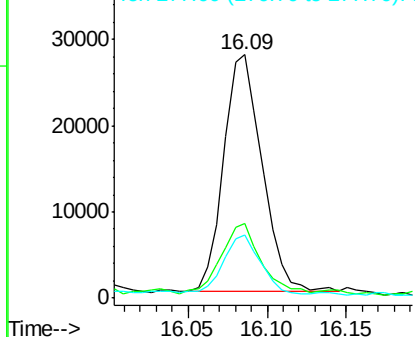


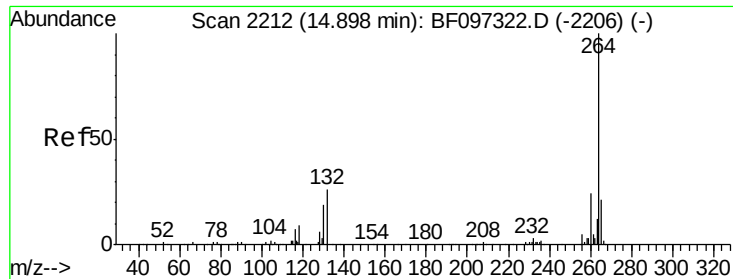
#85
Indeno(1,2,3-cd)pyrene
Concen: 3.05 ng
RT: 16.09 min Scan# 2431
Delta R.T. -0.12 min
Lab File: BF097412.D
Acq: 5 Aug 2017 22:11

Tgt Ion:276 Resp: 46171
Ion Ratio Lower Upper
276 100
138 30.9 27.8 41.6
277 24.3 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

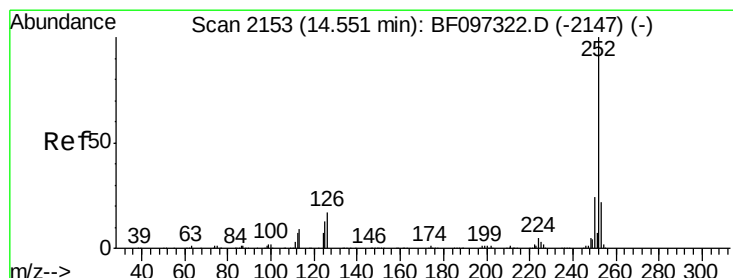
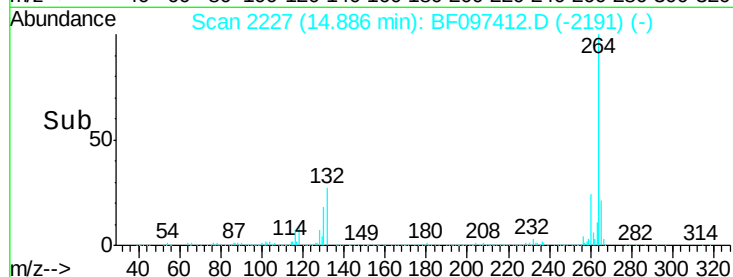
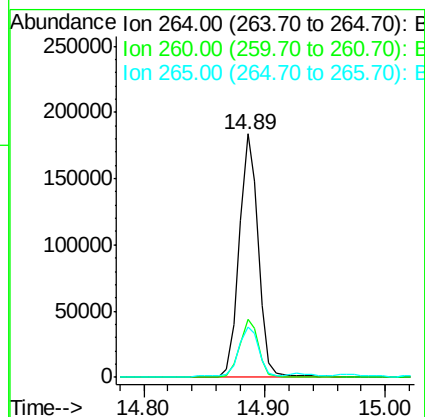
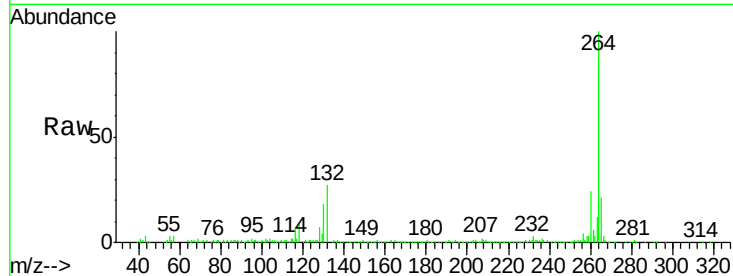




#86
Pervlene-d12
Concen: 20.00 ng
RT: 14.89 min Scan# 2227
Delta R.T. -0.09 min
Lab File: BF097412.D
Acq: 5 Aug 2017 22:11

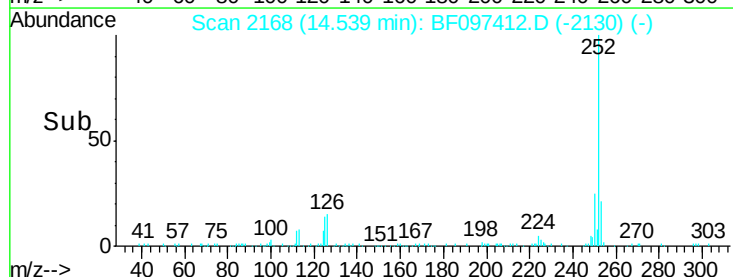
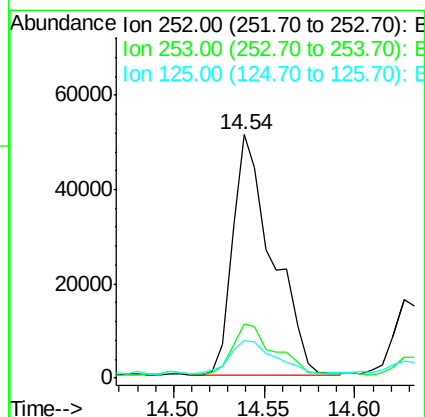
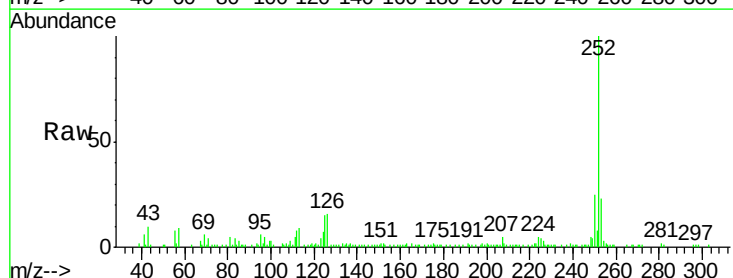
Instrument :
BNA_F
ClientSampleId :

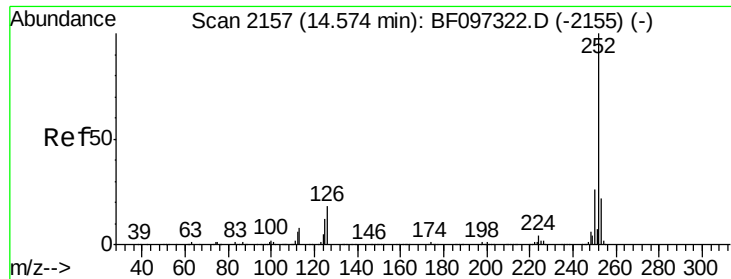
Tot Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.5	29.3
265	20.8	17.2	25.8



#87
Benzo(b)fluoranthene
Concen: 6.36 ng
RT: 14.54 min Scan# 2168
Delta R.T. -0.08 min
Lab File: BF097412.D
Acq: 5 Aug 2017 22:11

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.1	27.1
125	15.3	9.8	14.8#

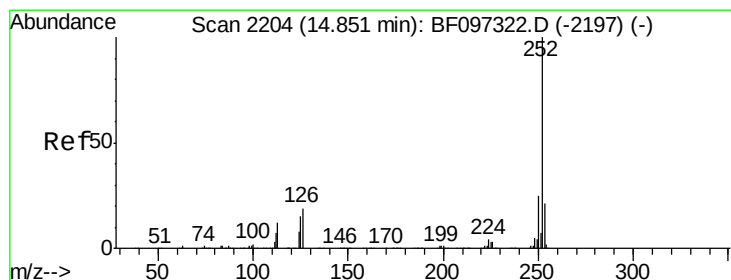
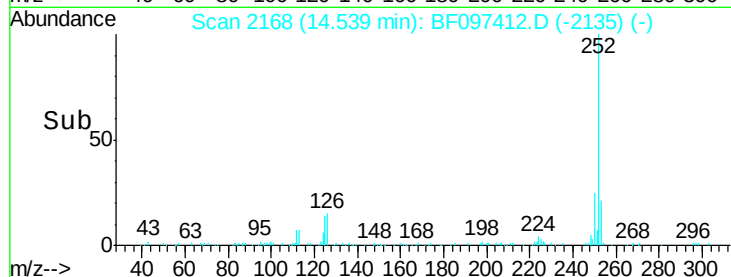
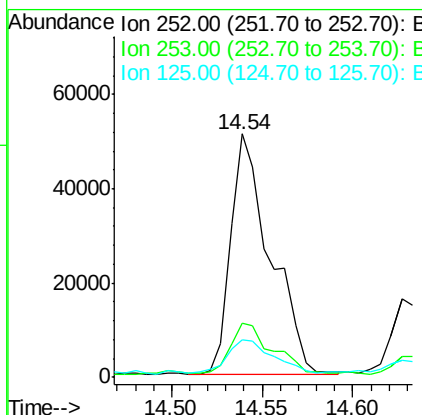
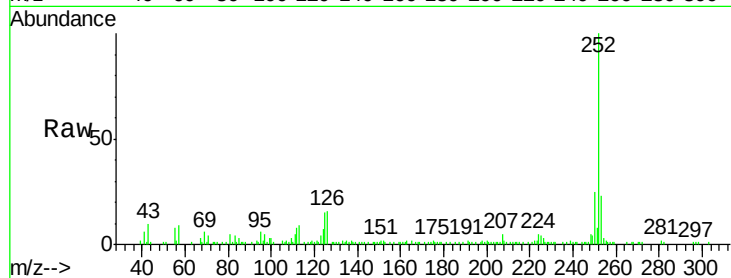




#88
Benzo(k)fluoranthene
Concen: 6.68 ng
RT: 14.54 min Scan# 2168
Delta R.T. -0.11 min
Lab File: BF097412.D
Acq: 5 Aug 2017 22:11

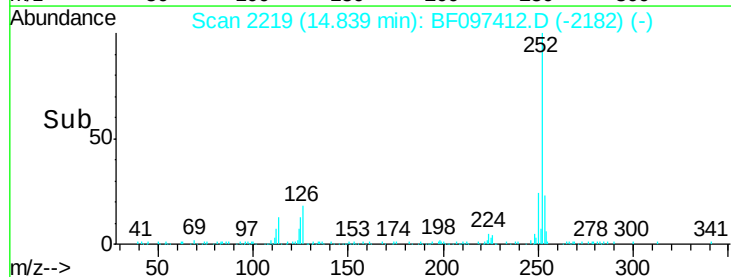
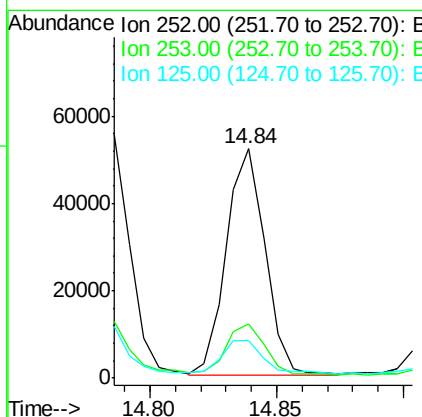
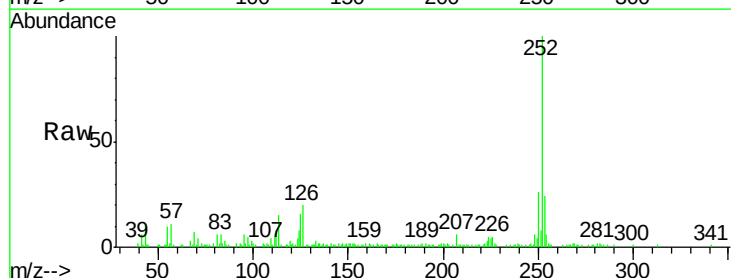
Instrument :
BNA_F
ClientSampleId :

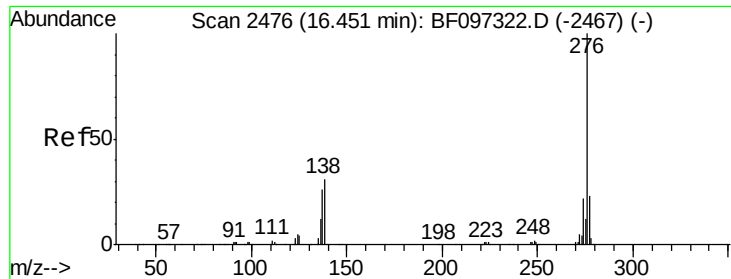
Tot Ion:252 Resp: 77723
Ion Ratio Lower Upper
252 100
253 22.5 18.4 27.6
125 15.3 13.1 19.7



#89
Benzo(a)pyrene
Concen: 4.96 ng
RT: 14.84 min Scan# 2219
Delta R.T. -0.08 min
Lab File: BF097412.D
Acq: 5 Aug 2017 22:11

Tgt Ion:252 Resp: 55463
Ion Ratio Lower Upper
252 100
253 23.7 17.5 26.3
125 16.2 11.0 16.4





#91
 Benzo(a,h,i)perylene
 Concen: 9.11 ng
 RT: 16.44 min Scan# 2491
 Delta R.T. -0.13 min
 Lab File: BF097412.D
 Acq: 5 Aug 2017 22:11

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	25.4	18.6	28.0
138	31.7	25.4	38.0

