

Data Path : Z:\HPCHEM1\BNA F\DATA\BF073117\
 Data File : BF097206.D
 Acq On : 31 Jul 2017 14:29
 Operator : SJ/JU
 Sample : I4456-08RE
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-14D24

Quant Time: Jul 31 19:12:57 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 31 15:18:22 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.47	152	118695	20.00	ng	0.00
21) Naphthalene-d8	7.76	136	474004	20.00	ng	0.00
38) Acenaphthene-d10	9.50	164	179165	20.00	ng	0.00
63) Phenanthrene-d10	10.98	188	272712	20.00	ng	0.00
75) Chrysene-d12	13.61	240	214317	20.00	ng	0.00
86) Perylene-d12	14.96	264	205490	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.08	112	827585	105.11	ng	0.00
7) Phenol-d6	6.15	99	998305	111.06	ng	0.00
23) Nitrobenzene-d5	7.05	82	618092	76.50	ng	0.00
41) 2,4,6-Tribromophenol	10.30	330	151028	106.69	ng	0.00
44) 2-Fluorobiphenyl	8.84	172	757416	71.74	ng	0.00
78) Terphenyl-d14	12.57	244	495344	47.12	ng	0.00

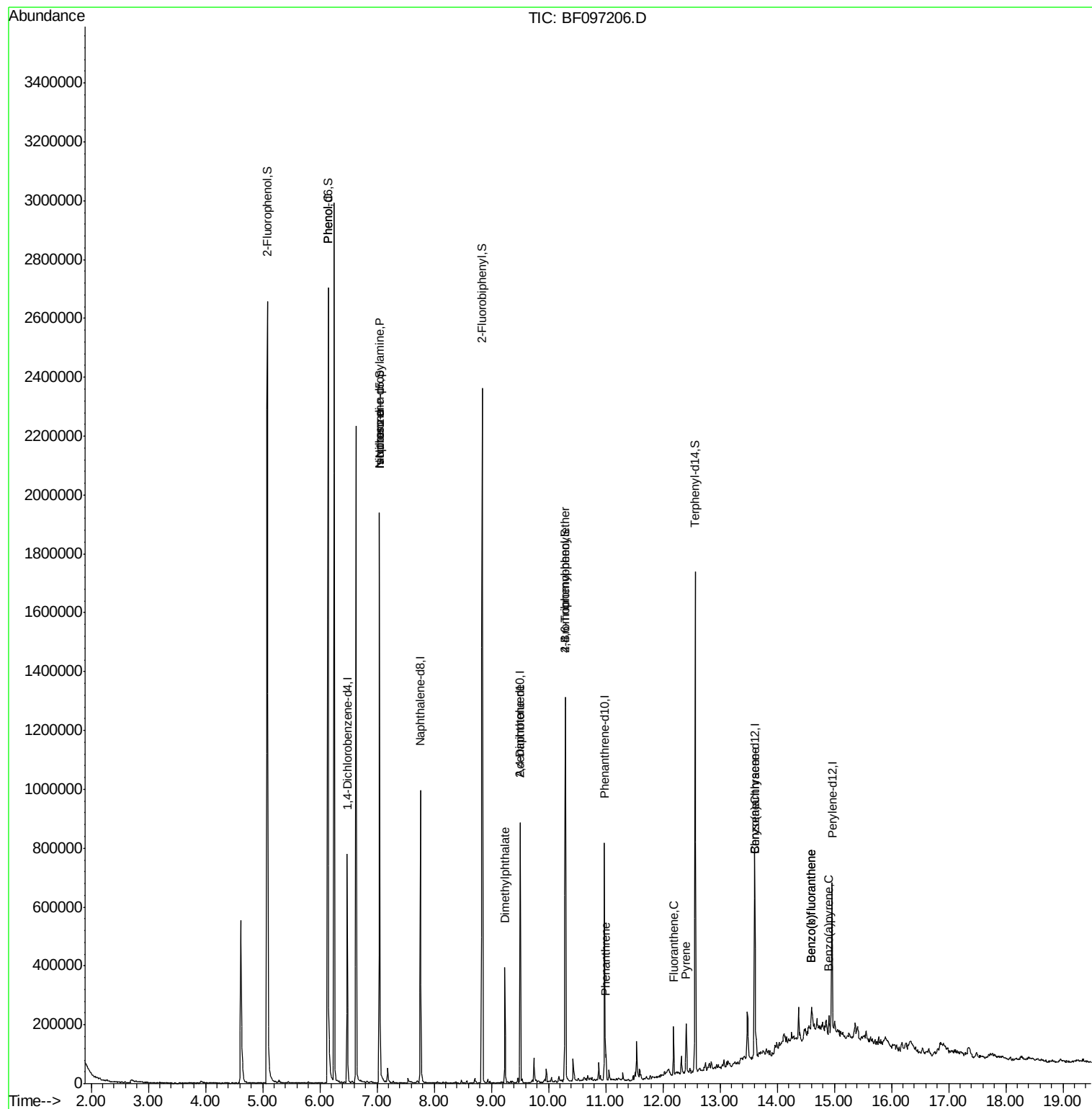
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.15	94	31606	2.964	ng	# 77
19) n-Nitroso-di-n-propylamine	7.05	70	82053	13.868	ng	# 86
25) Isophorone	7.05	82	609988	38.549	ng	# 67
49) Dimethylphthalate	9.24	163	143628	10.557	ng	# 97
56) 2,4-Dinitrotoluene	9.50	165	22830	6.882	ng	# 32
66) 4-Bromophenyl-phenylether	10.30	248	9810	3.605	ng	# 1
70) Phenanthrene	11.00	178	45804	3.135	ng	# 98
74) Fluoranthene	12.19	202	60666	4.238	ng	# 97
77) Pyrene	12.42	202	56177	3.202	ng	# 98
80) Benzo(a)anthracene	13.60	228	30388	2.191	ng	# 97
82) Chrysene	13.60	228	30388	2.244	ng	# 99
87) Benzo(b)fluoranthene	14.60	252	42648	3.453	ng	# 91
88) Benzo(k)fluoranthene	14.60	252	42648	3.623	ng	# 95
89) Benzo(a)pyrene	14.91	252	24127	2.134	ng	# 91

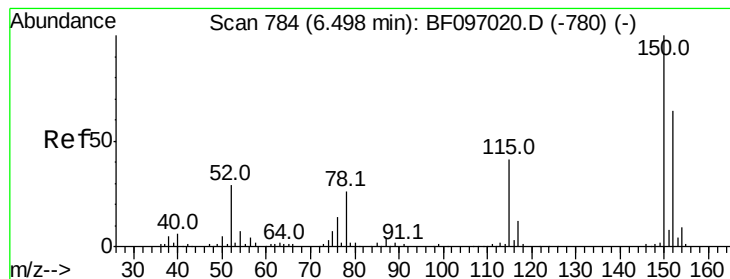
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.47 min Scan# 780

Delta R.T. -0.01 min

Lab File: BF097206.D

Acq: 31 Jul 2017 14:29

Instrument :

BNA_F

ClientSampleId :

TP-14D24

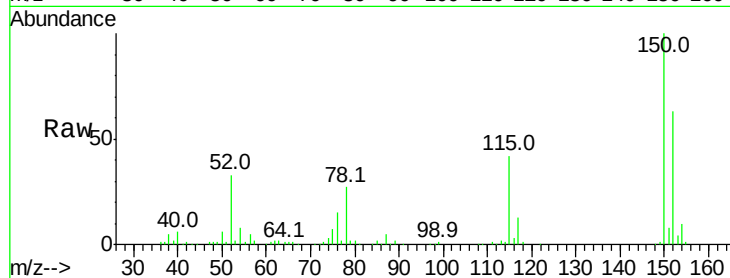
Tot Ion:152 Resp: 118695

Ion Ratio Lower Upper

152 100

150 157.6 126.2 189.2

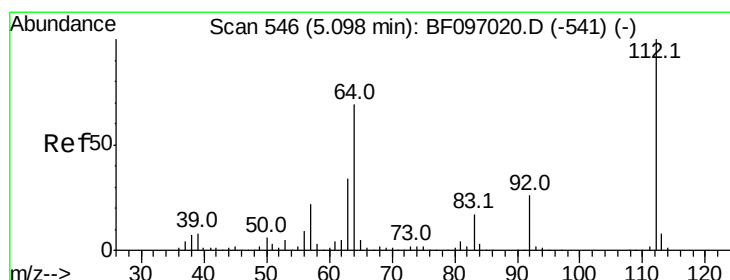
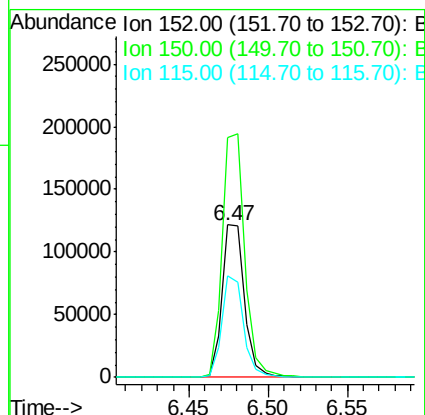
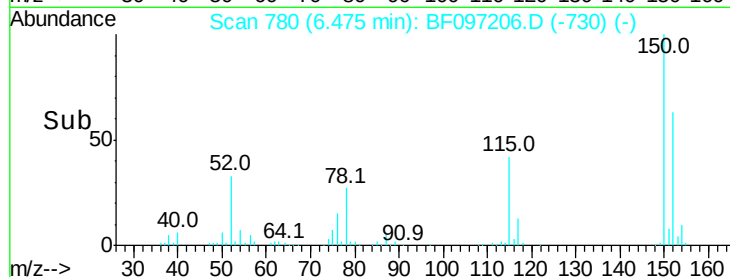
115 66.7 52.2 78.2



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: 105.108 ng

RT: 5.08 min Scan# 543

Delta R.T. 0.01 min

Lab File: BF097206.D

Acq: 31 Jul 2017 14:29

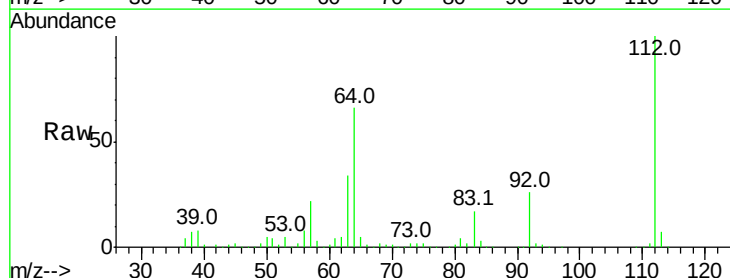
Tgt Ion:112 Resp: 827585

Ion Ratio Lower Upper

112 100

64 66.5 46.0 69.0

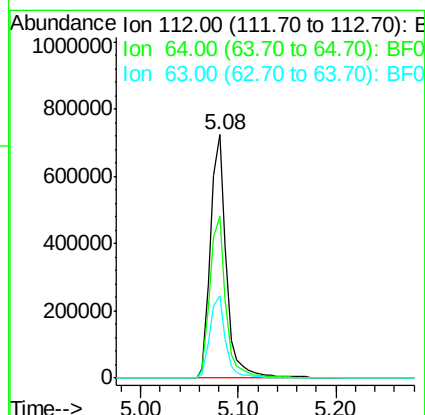
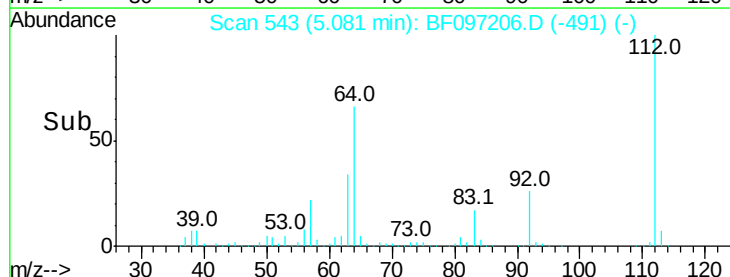
63 33.7 23.4 35.0

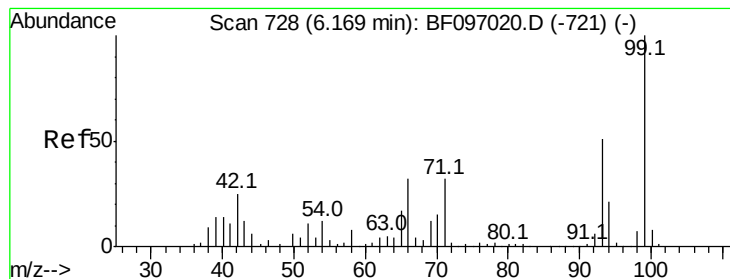


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 111.062 ng

RT: 6.15 min Scan# 724

Delta R.T. -0.00 min

Lab File: BF097206.D

Acq: 31 Jul 2017 14:29

Instrument :

BNA_F

ClientSampled :

TP-14D24

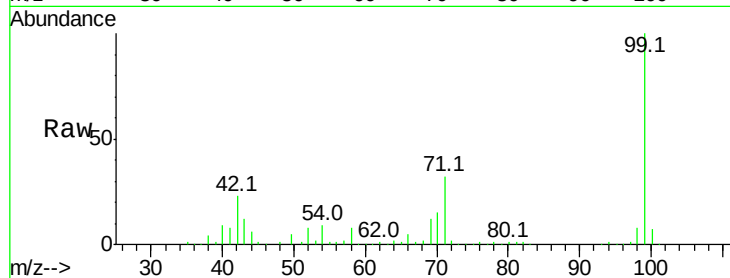
Tot Ion: 99 Resp: 998305

Ion Ratio Lower Upper

99 100

42 23.4 13.5 20.3#

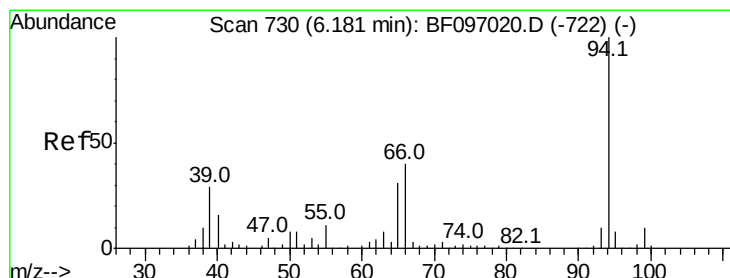
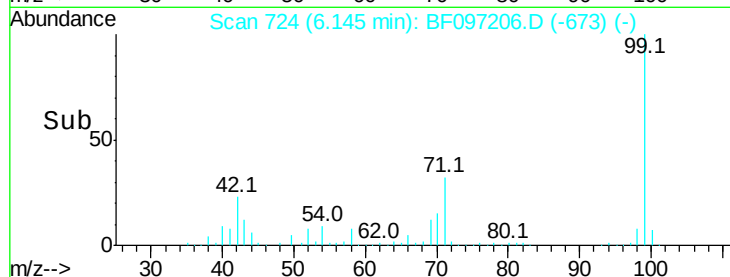
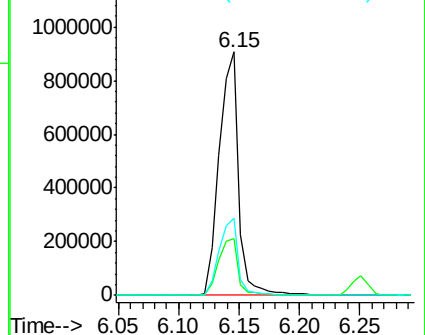
71 31.6 24.5 36.7



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: 2.964 ng

RT: 6.15 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF097206.D

Acq: 31 Jul 2017 14:29

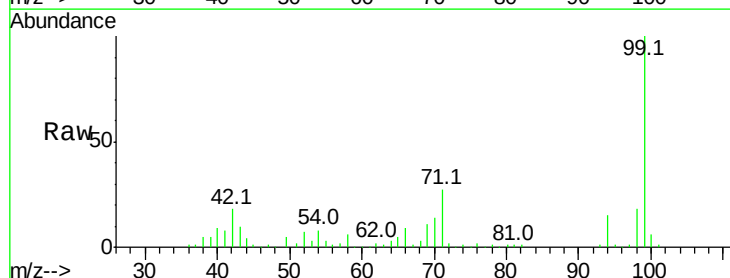
Tgt Ion: 94 Resp: 31606

Ion Ratio Lower Upper

94 100

65 35.2 9.9 49.9

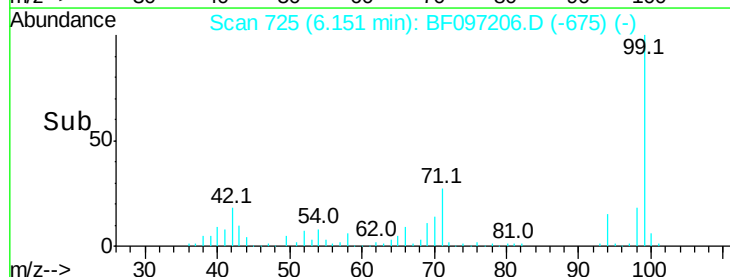
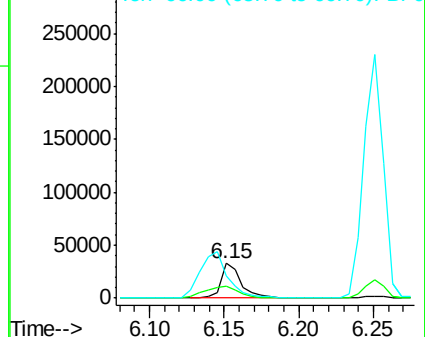
66 63.3 23.1 63.1#

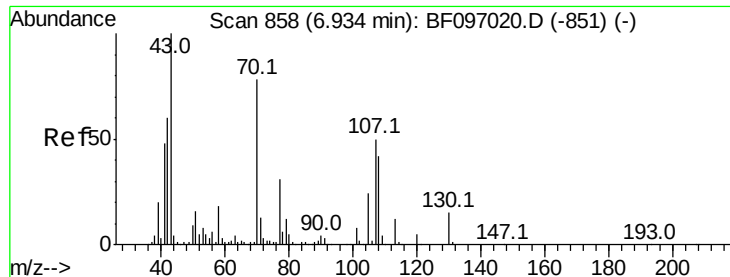


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

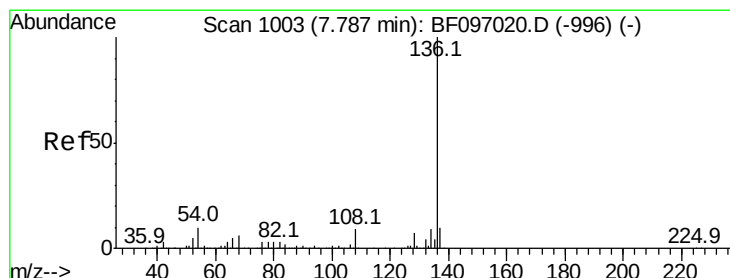
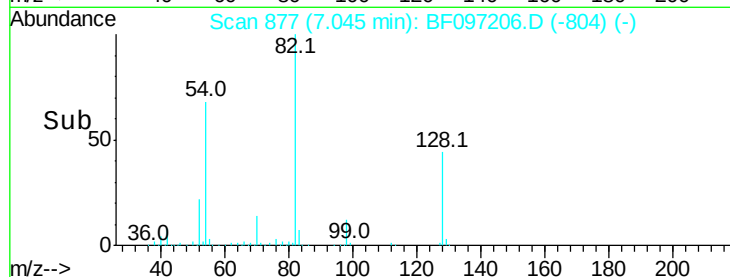
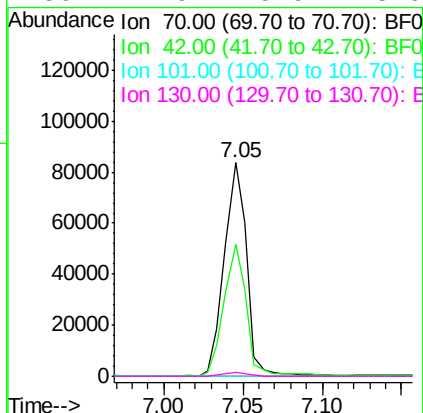
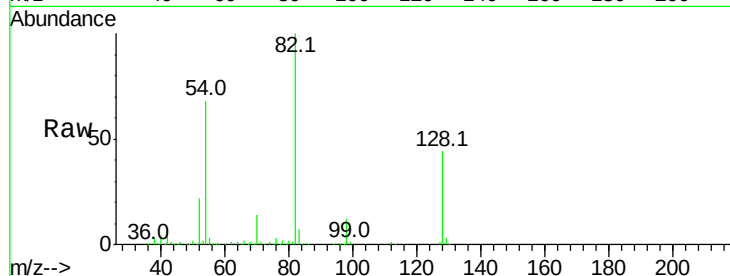




#19
n-Nitroso-di-n-propylamine
Concen: 13.868 ng
RT: 7.05 min Scan# 877
Delta R.T. 0.13 min
Lab File: BF097206.D
Acq: 31 Jul 2017 14:29

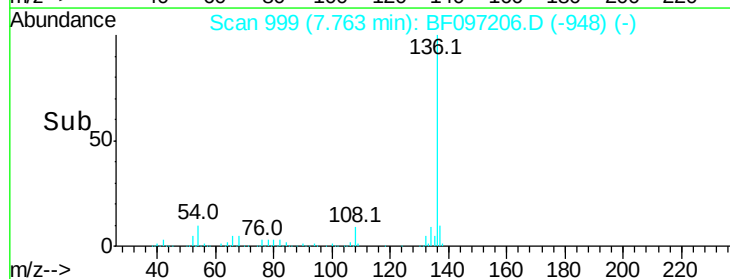
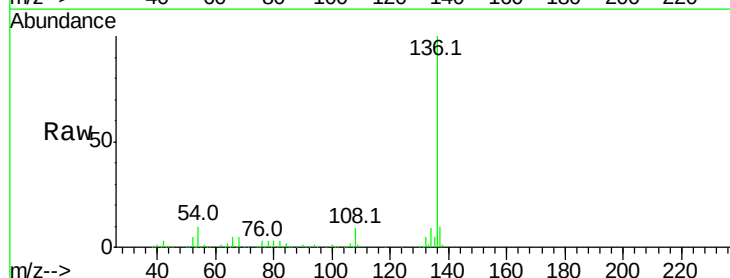
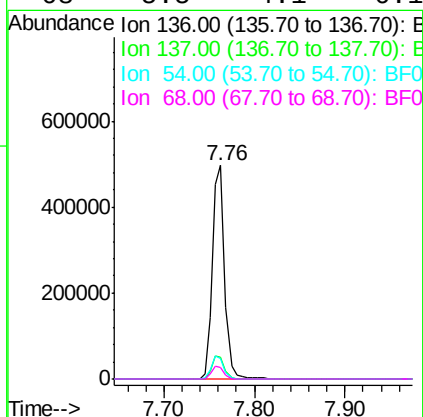
Instrument :
BNA_F
ClientSampleId :
TP-14D24

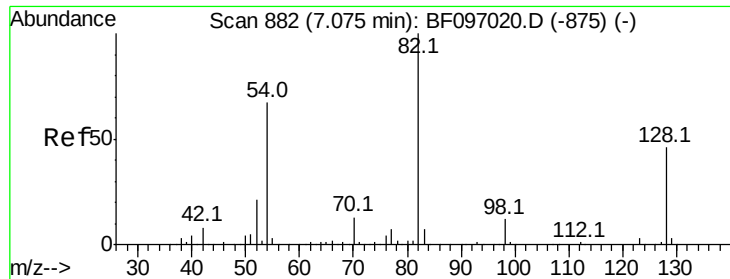
Tot Ion: 70 Resp: 82053
Ion Ratio Lower Upper
70 100
42 61.6 47.2 70.8
101 0.0 7.2 10.8#
130 1.9 15.9 23.9#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.76 min Scan# 999
Delta R.T. -0.00 min
Lab File: BF097206.D
Acq: 31 Jul 2017 14:29

Tgt Ion: 136 Resp: 474004
Ion Ratio Lower Upper
136 100
137 10.4 8.5 12.7
54 9.8 4.9 7.3#
68 5.5 4.1 6.1

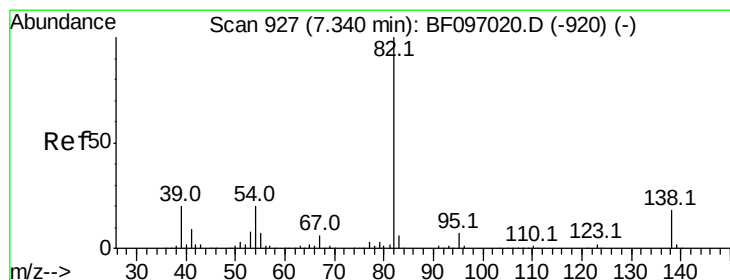
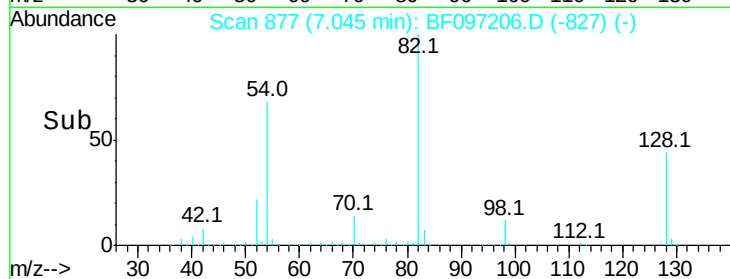
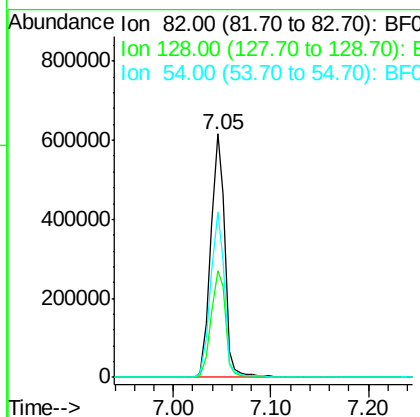
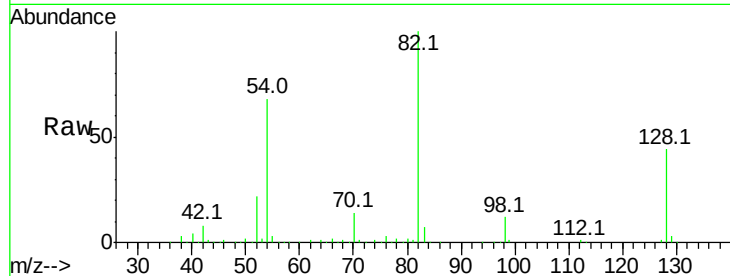




#23
 Nitrobenzene-d5
 Concen: 76.497 ng
 RT: 7.05 min Scan# 877
 Delta R.T. -0.01 min
 Lab File: BF097206.D
 Acq: 31 Jul 2017 14:29

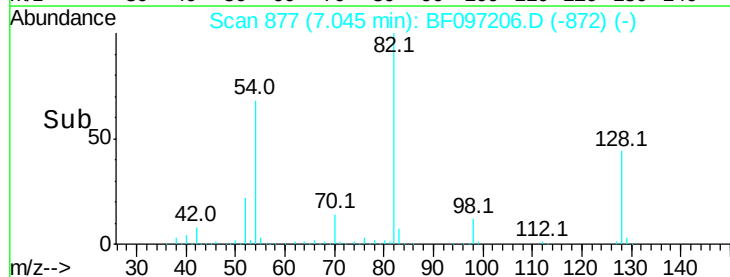
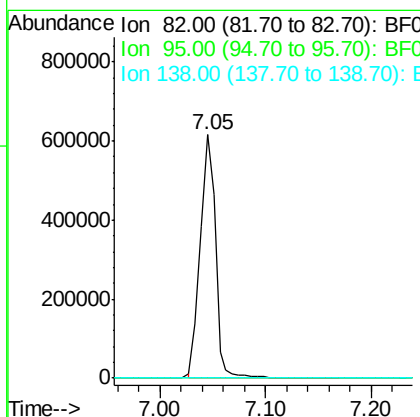
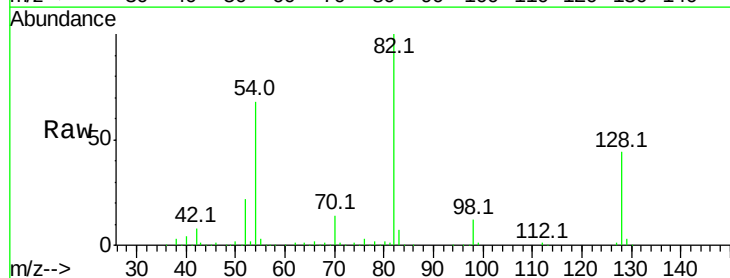
Instrument :
 BNA_F
 ClientSampleId :
 TP-14D24

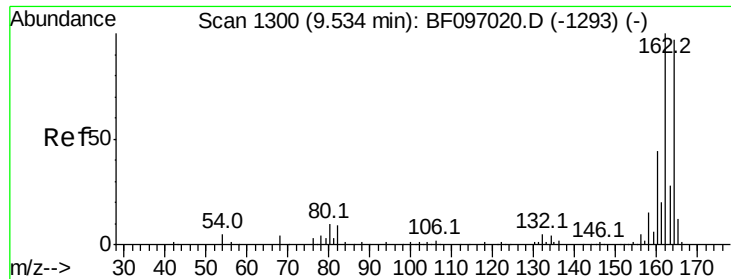
Tot Ion: 82 Resp: 618092
 Ion Ratio Lower Upper
 82 100
 128 43.7 34.0 51.0
 54 67.9 42.2 63.2#



#25
 Isophorone
 Concen: 38.549 ng
 RT: 7.05 min Scan# 877
 Delta R.T. -0.27 min
 Lab File: BF097206.D
 Acq: 31 Jul 2017 14:29

Tgt Ion: 82 Resp: 609988
 Ion Ratio Lower Upper
 82 100
 95 0.0 5.3 7.9#
 138 0.0 13.1 19.7#

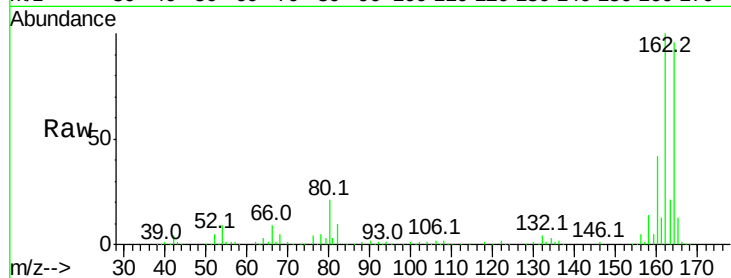




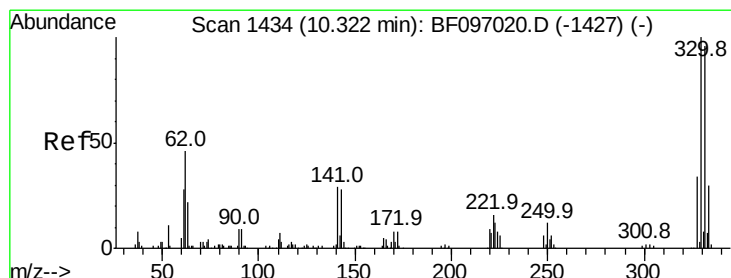
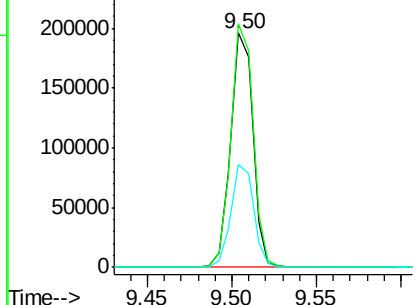
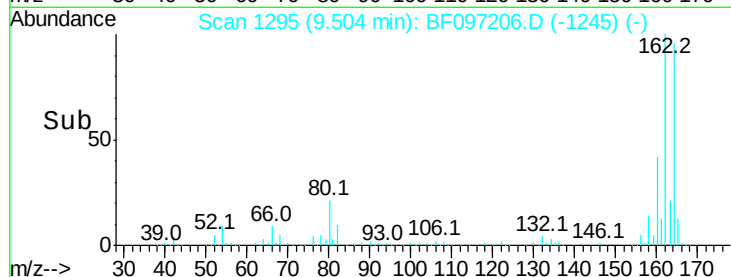
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.50 min Scan# 1295
 Delta R.T. -0.01 min
 Lab File: BF097206.D
 Acq: 31 Jul 2017 14:29

Instrument :
 BNA_F
 ClientSampleId :
 TP-14D24

Tot Ion:164 Resp: 179165
 Ion Ratio Lower Upper
 164 100
 162 104.0 82.6 123.8
 160 44.1 36.2 54.2

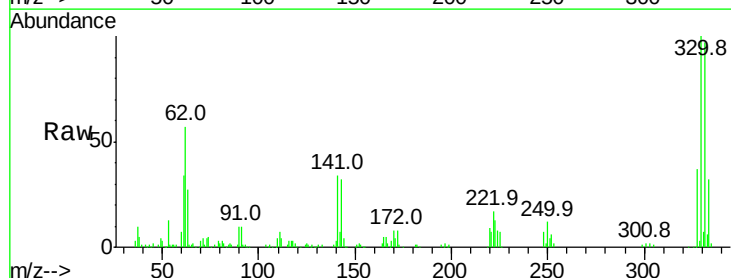


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

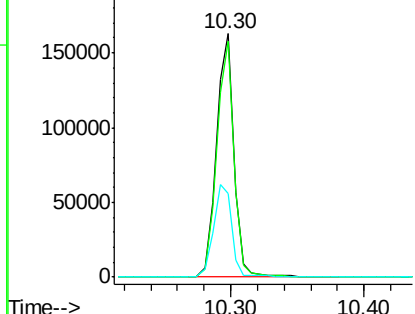
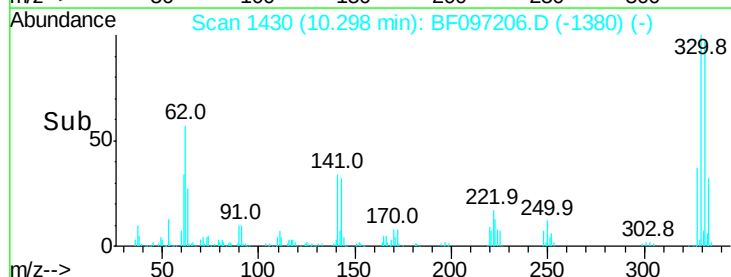


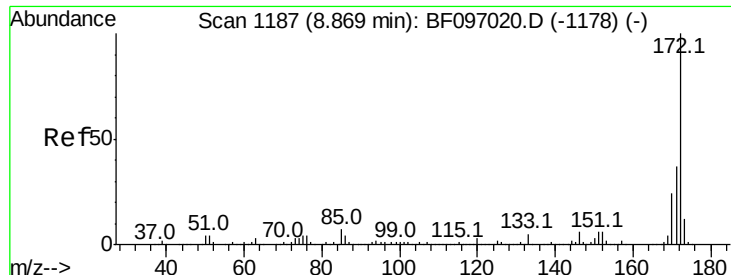
#41
 2,4,6-Tribromophenol
 Concen: 106.690 ng
 RT: 10.30 min Scan# 1430
 Delta R.T. -0.01 min
 Lab File: BF097206.D
 Acq: 31 Jul 2017 14:29

Tgt Ion:330 Resp: 151028
 Ion Ratio Lower Upper
 330 100
 332 95.5 76.6 115.0
 141 39.6 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

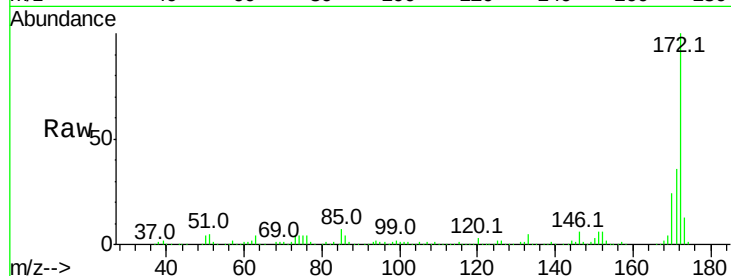




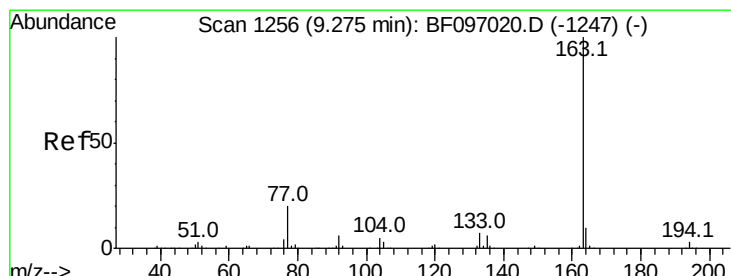
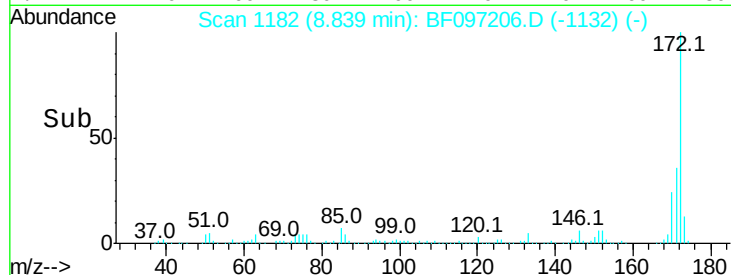
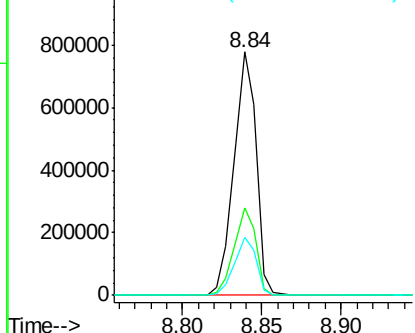
#44
2-Fluorobiphenyl
Concen: 71.744 ng
RT: 8.84 min Scan# 1182
Delta R.T. -0.01 min
Lab File: BF097206.D
Acq: 31 Jul 2017 14:29

Instrument :
BNA_F
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TP-14D24

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.0	29.6	44.4
170	24.1	19.8	29.8

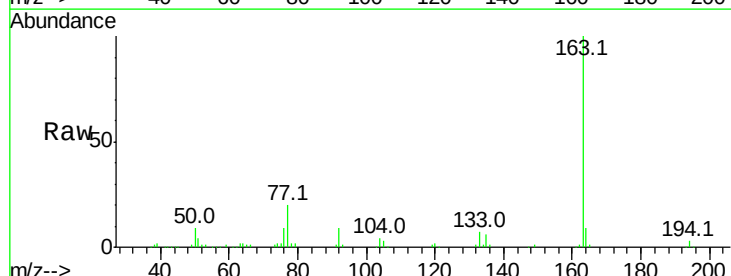


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

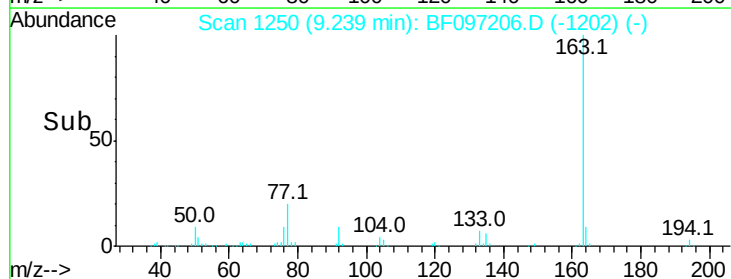
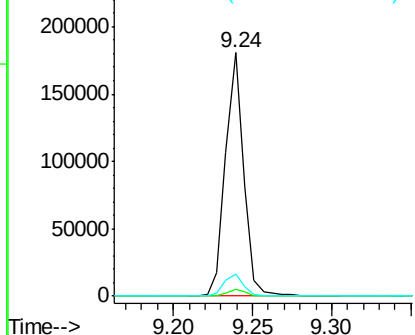


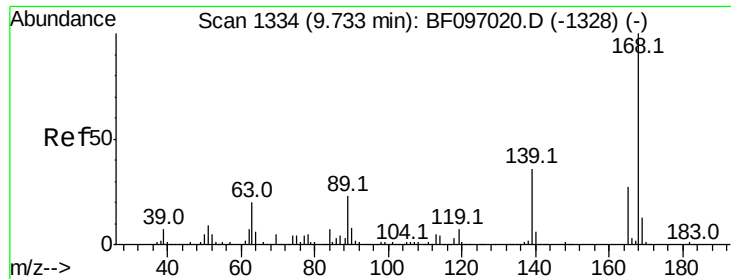
#49
Dimethylphthalate
Concen: 10.557 ng
RT: 9.24 min Scan# 1250
Delta R.T. -0.02 min
Lab File: BF097206.D
Acq: 31 Jul 2017 14:29

Tgt Ion	Ratio	Lower	Upper
163	100		
194	2.9	2.6	4.0
164	9.3	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: 6.882 ng

RT: 9.50 min Scan# 1295

Delta R.T. -0.22 min

Lab File: BF097206.D

Acq: 31 Jul 2017 14:29

Instrument :

BNA_F

ClientSampleId :

TP-14D24

Tot Ion:165 Resp: 22830

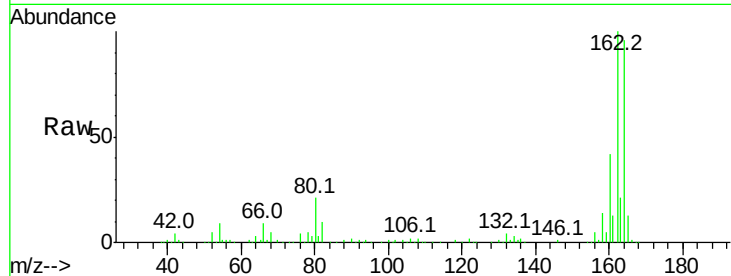
Ion Ratio Lower Upper

165 100

63 1.4 25.4 38.0#

89 0.0 46.4 69.6#

182 0.0 1.8 2.6#

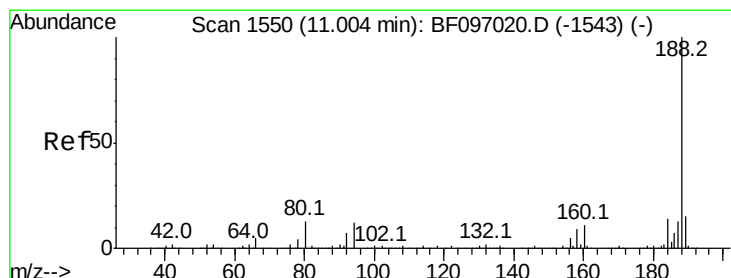
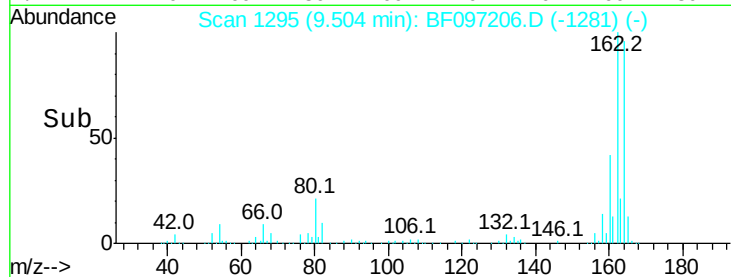
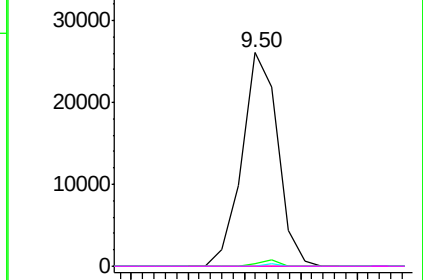


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 10.98 min Scan# 1546

Delta R.T. -0.01 min

Lab File: BF097206.D

Acq: 31 Jul 2017 14:29

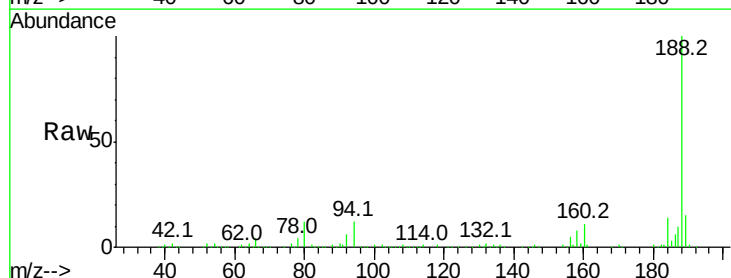
Tgt Ion:188 Resp: 272712

Ion Ratio Lower Upper

188 100

94 11.5 9.4 14.2

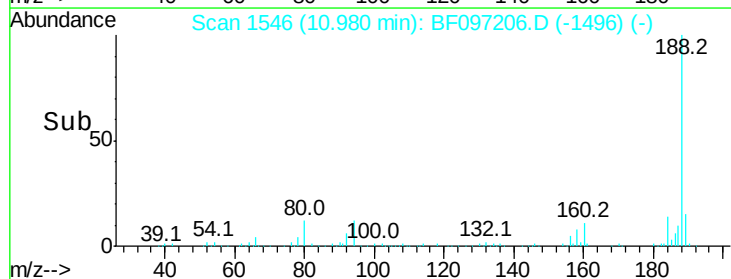
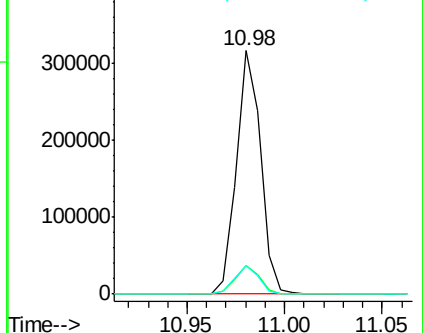
80 11.8 10.2 15.2

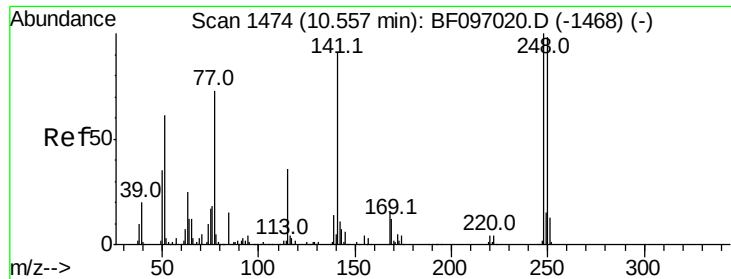


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

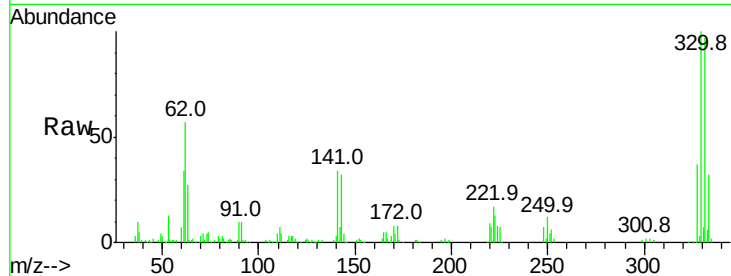




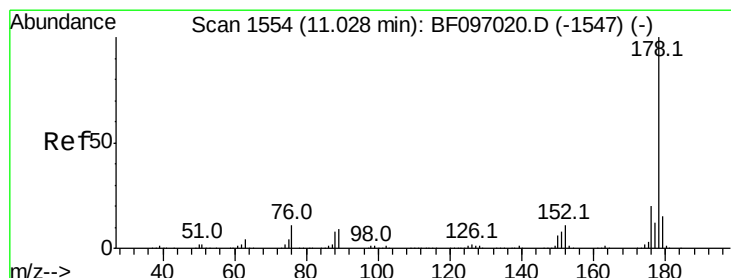
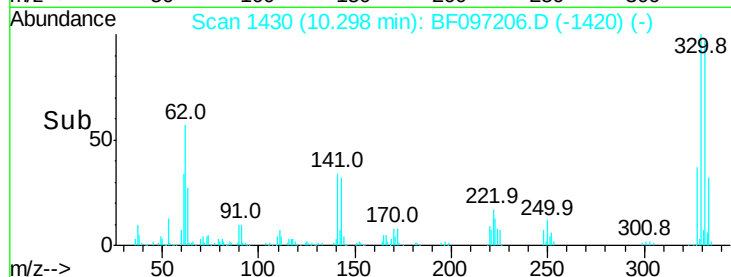
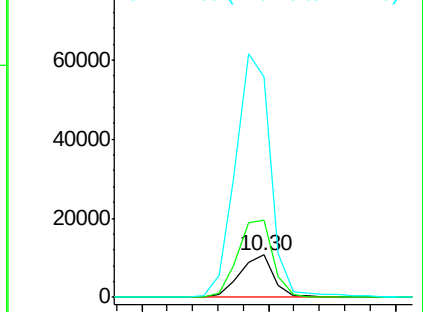
#66
4-Bromophenyl-phenylether
Concen: 3.605 ng
RT: 10.30 min Scan# 1430
Delta R.T. -0.24 min
Lab File: BF097206.D
Acq: 31 Jul 2017 14:29

Instrument :
BNA_F
ClientSampleId :
TP-14D24

Tot Ion:248 Resp: 9810
Ion Ratio Lower Upper
248 100
250 182.2 76.8 115.2#
141 523.2 68.6 103.0#

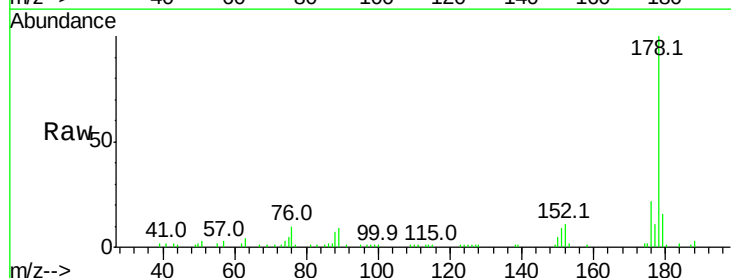


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

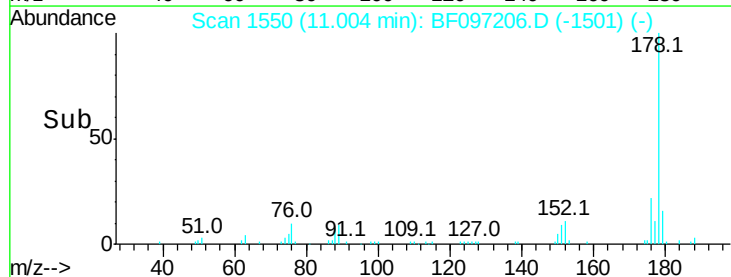
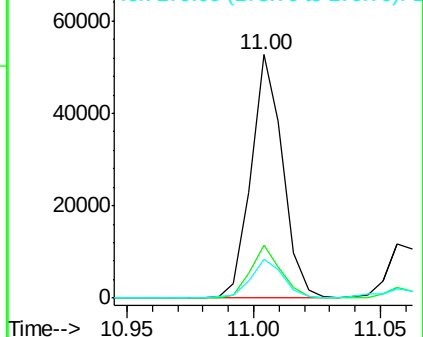


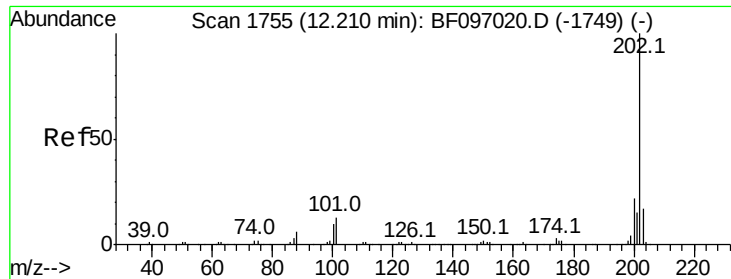
#70
Phenanthrene
Concen: 3.135 ng
RT: 11.00 min Scan# 1550
Delta R.T. -0.01 min
Lab File: BF097206.D
Acq: 31 Jul 2017 14:29

Tgt Ion:178 Resp: 45804
Ion Ratio Lower Upper
178 100
176 21.6 16.2 24.4
179 16.1 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: 4.238 ng

RT: 12.19 min Scan# 1751

Delta R.T. -0.01 min

Lab File: BF097206.D

Acq: 31 Jul 2017 14:29

Instrument :

BNA_F

ClientSampleId :

TP-14D24

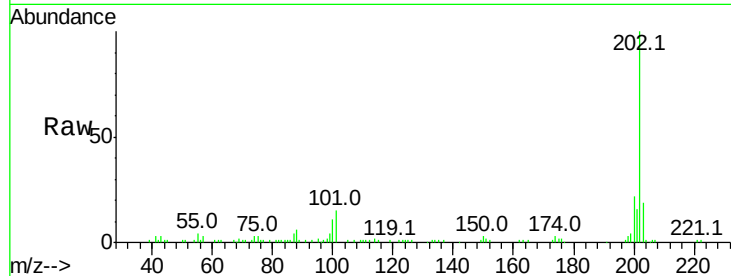
Tot Ion:202 Resp: 60666

Ion Ratio Lower Upper

202 100

101 15.0 0.0 33.2

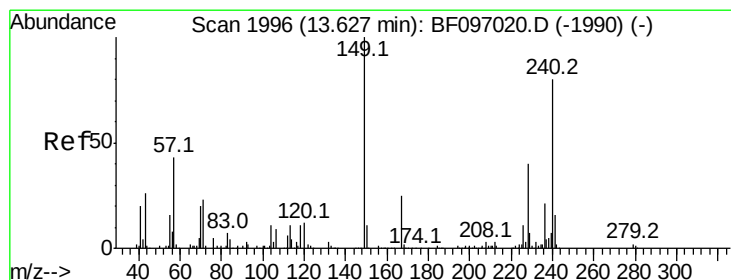
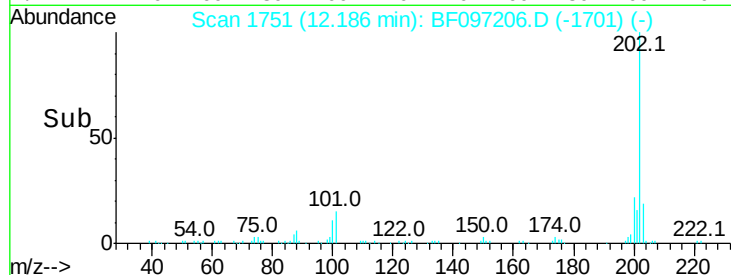
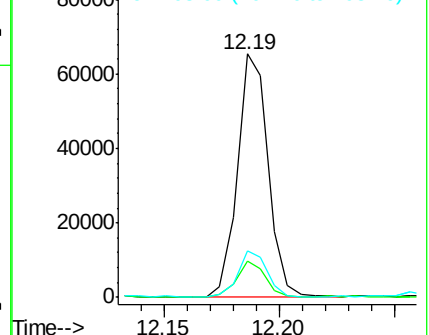
203 18.9 0.0 38.1



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: 13.61 min Scan# 1993

Delta R.T. -0.01 min

Lab File: BF097206.D

Acq: 31 Jul 2017 14:29

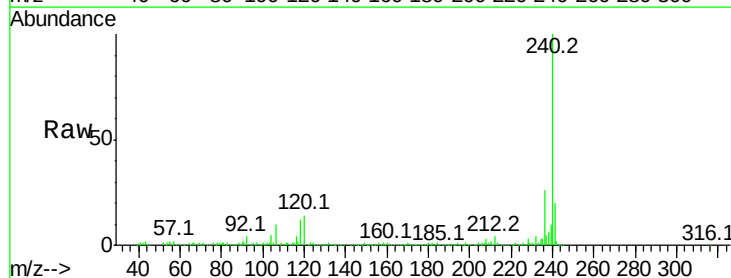
Tgt Ion:240 Resp: 214317

Ion Ratio Lower Upper

240 100

120 14.3 5.8 8.8#

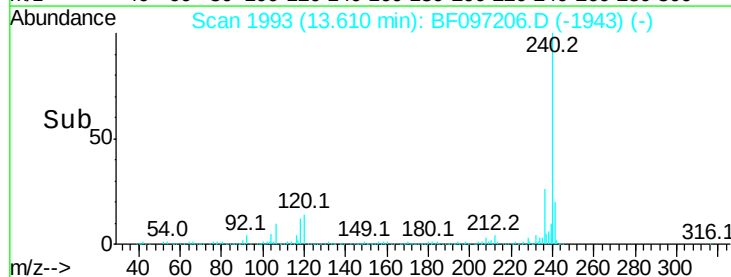
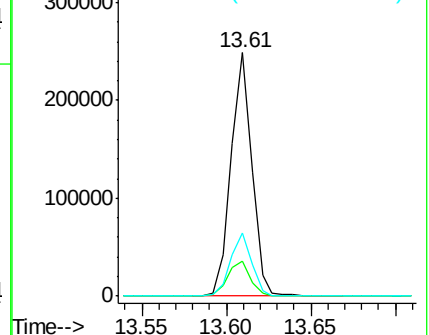
236 26.1 20.5 30.7

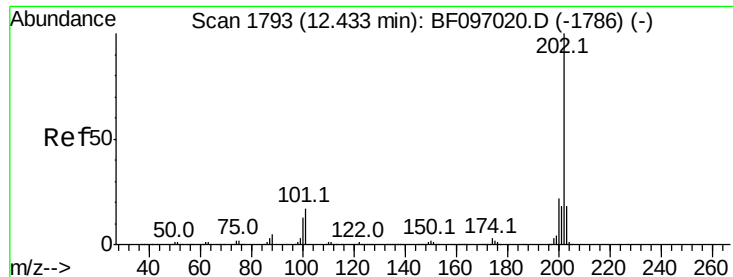


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 3.202 ng

RT: 12.42 min Scan# 1790

Delta R.T. -0.01 min

Lab File: BF097206.D

Acq: 31 Jul 2017 14:29

Instrument :

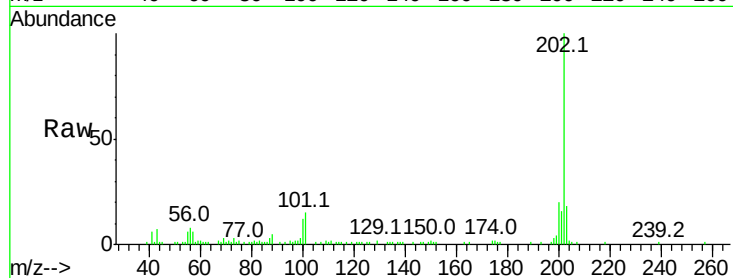
BNA_F

ClientSampleId :

TP-14D24

Tot Ion:202 Resp: 56177

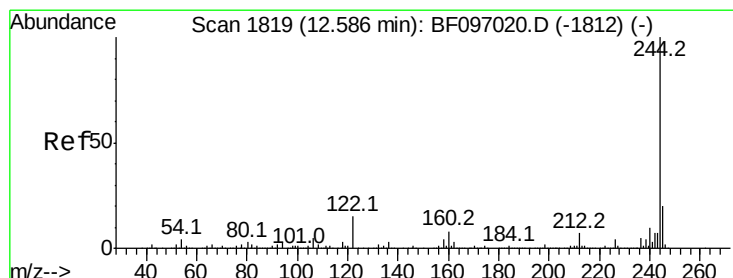
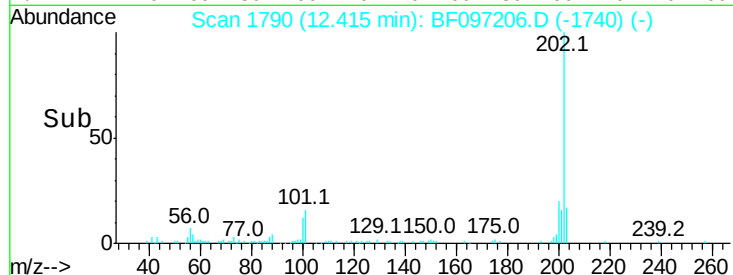
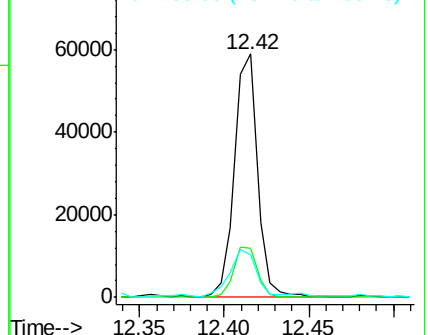
Ion	Ratio	Lower	Upper
202	100		
200	20.3	17.6	26.4
203	17.7	14.4	21.6



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: 47.123 ng

RT: 12.57 min Scan# 1816

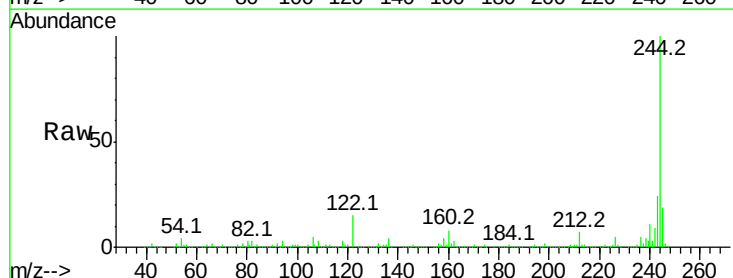
Delta R.T. -0.01 min

Lab File: BF097206.D

Acq: 31 Jul 2017 14:29

Tgt Ion:244 Resp: 495344

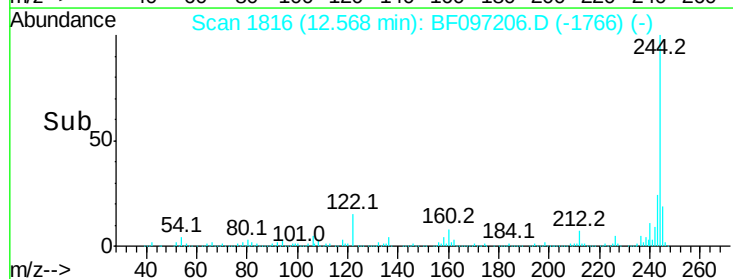
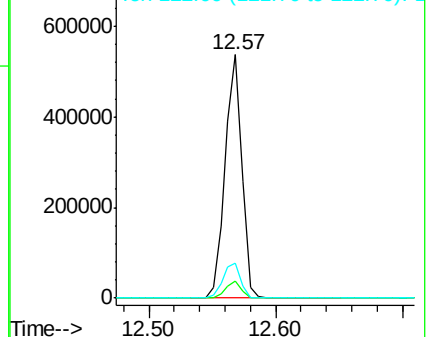
Ion	Ratio	Lower	Upper
244	100		
212	7.0	6.0	9.0
122	14.6	10.3	15.5

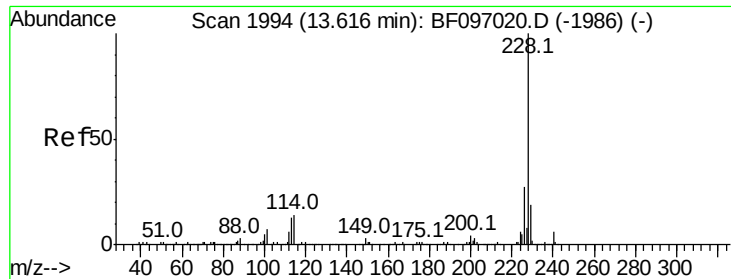


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

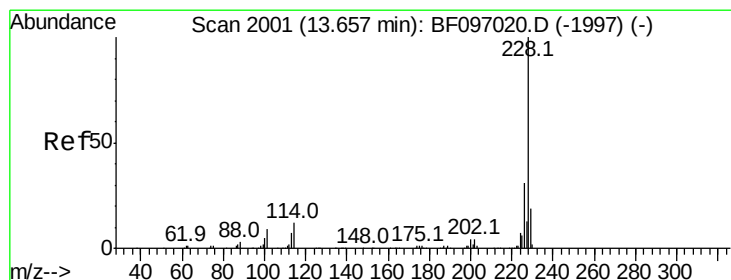
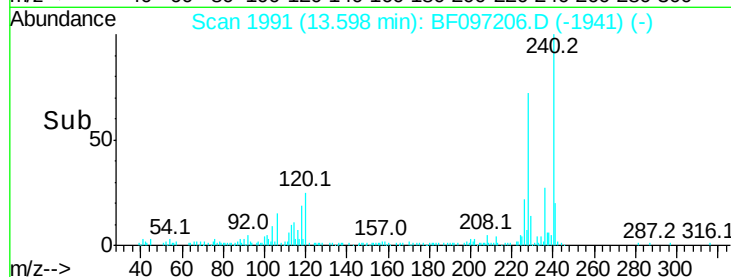
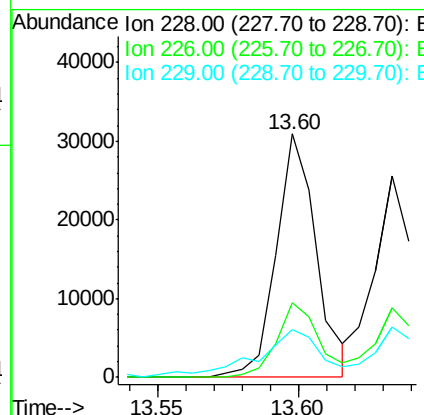
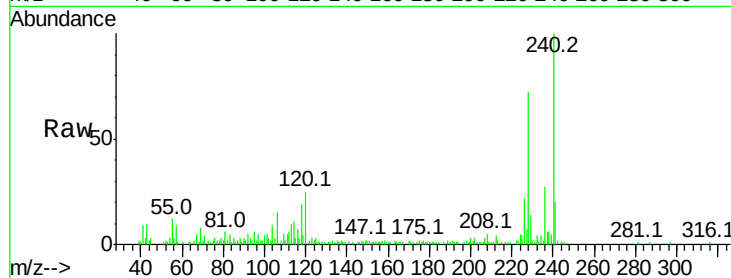




#80
Benzo(a)anthracene
Concen: 2.191 ng
RT: 13.60 min Scan# 1991
Delta R.T. -0.01 min
Lab File: BF097206.D
Acq: 31 Jul 2017 14:29

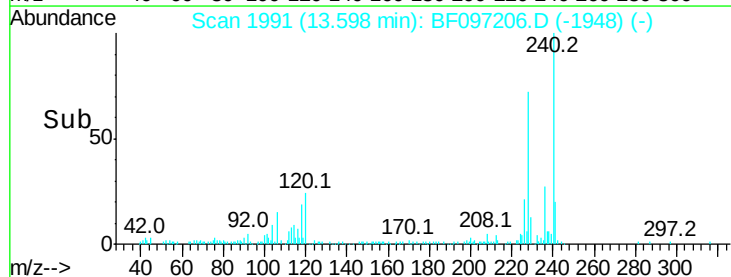
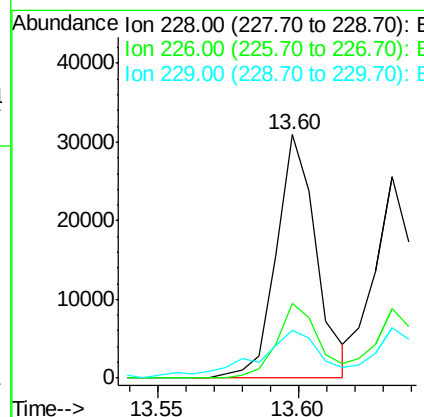
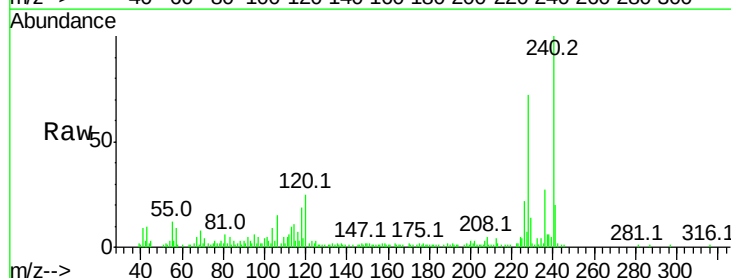
Instrument :
BNA_F
ClientSampleId :
TP-14D24

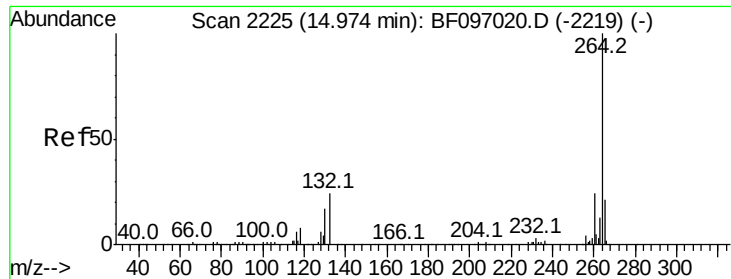
Tot Ion:228 Resp: 30388
Ion Ratio Lower Upper
228 100
226 30.6 22.6 33.8
229 19.7 16.3 24.5



#82
Chrysene
Concen: 2.244 ng
RT: 13.60 min Scan# 1991
Delta R.T. -0.05 min
Lab File: BF097206.D
Acq: 31 Jul 2017 14:29

Tgt Ion:228 Resp: 30388
Ion Ratio Lower Upper
228 100
226 30.6 24.9 37.3
229 19.7 15.8 23.6

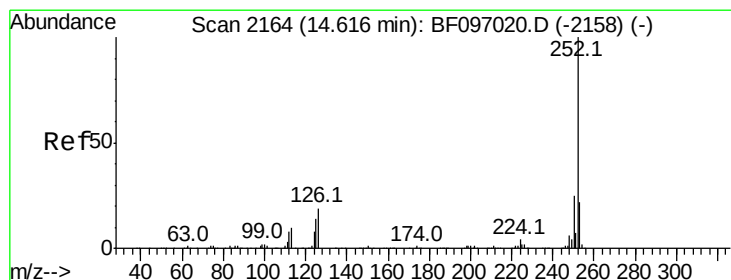
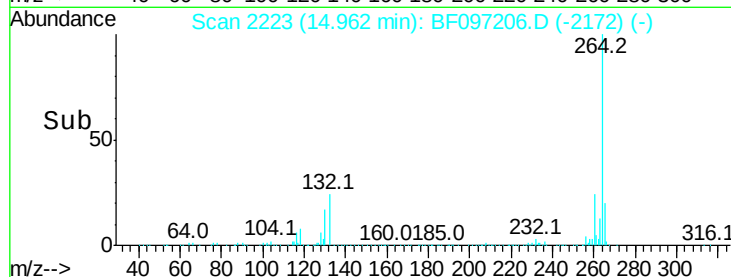
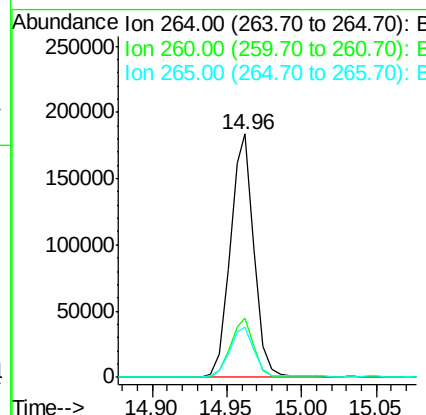
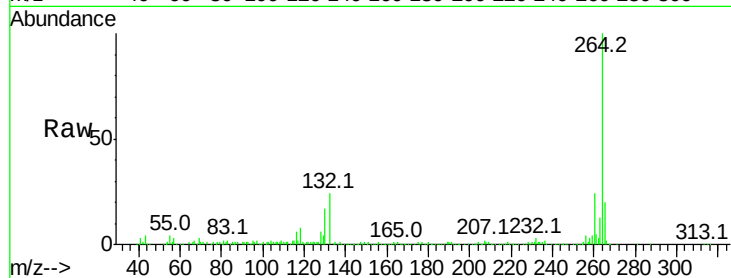




#86
Pervlene-d12
Concen: 20.000 ng
RT: 14.96 min Scan# 2223
Delta R.T. -0.00 min
Lab File: BF097206.D
Acq: 31 Jul 2017 14:29

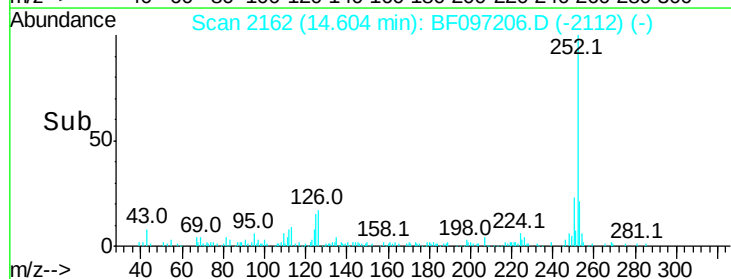
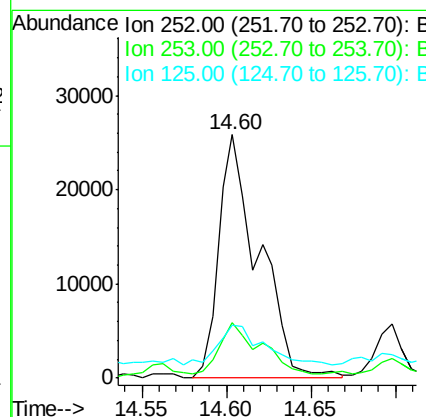
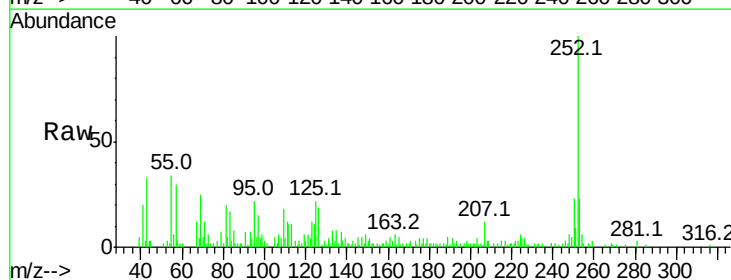
Instrument :
BNA_F
ClientSampleId :
TP-14D24

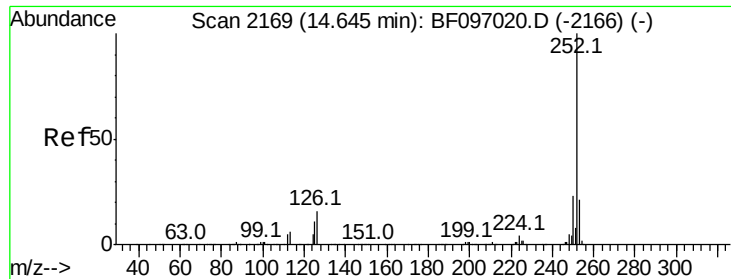
Tot Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.5	29.3
265	20.5	17.2	25.8



#87
Benzo(b)fluoranthene
Concen: 3.453 ng
RT: 14.60 min Scan# 2162
Delta R.T. -0.01 min
Lab File: BF097206.D
Acq: 31 Jul 2017 14:29

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.1	27.1
125	21.7	9.8	14.8#

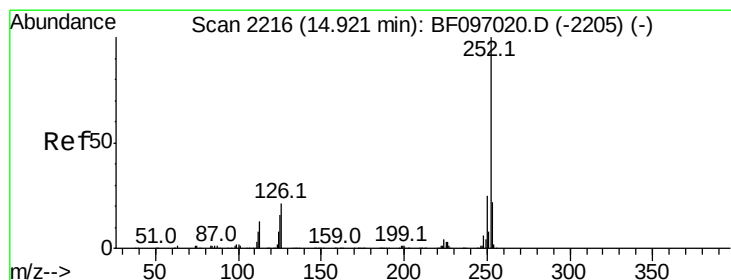
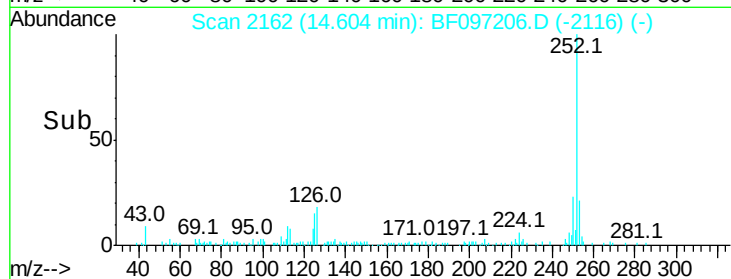
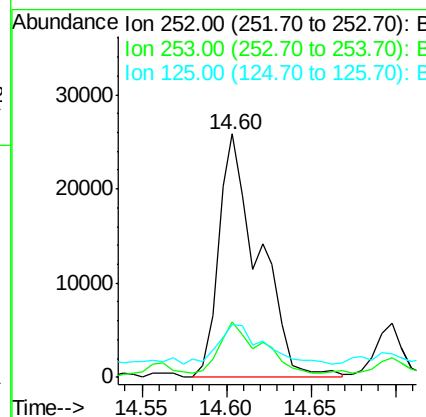
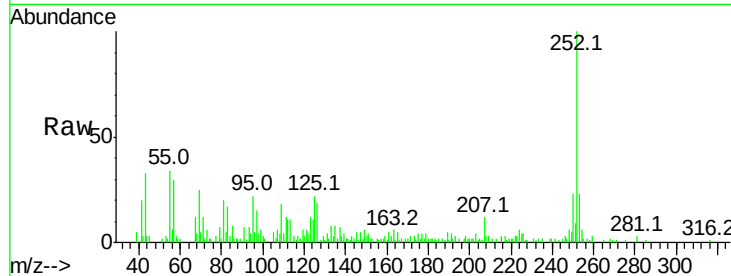




#88
Benzo(k)fluoranthene
Concen: 3.623 ng
RT: 14.60 min Scan# 2162
Delta R.T. -0.03 min
Lab File: BF097206.D
Acq: 31 Jul 2017 14:29

Instrument :
BNA_F
ClientSampleId :
TP-14D24

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.4	27.6
125	21.7	13.1	19.7



#89
Benzo(a)pyrene
Concen: 2.134 ng
RT: 14.91 min Scan# 2214
Delta R.T. -0.01 min
Lab File: BF097206.D
Acq: 31 Jul 2017 14:29

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.5	26.3
125	19.9	11.0	16.4

