

Data Path : Z:\HPCHEM1\BNA F\DATA\BF082217\
 Data File : BF097978.D
 Acq On : 23 Aug 2017 2:45
 Operator : SJ/JU
 Sample : I4910-04
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-7-8

Quant Time: Aug 23 04:52:41 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

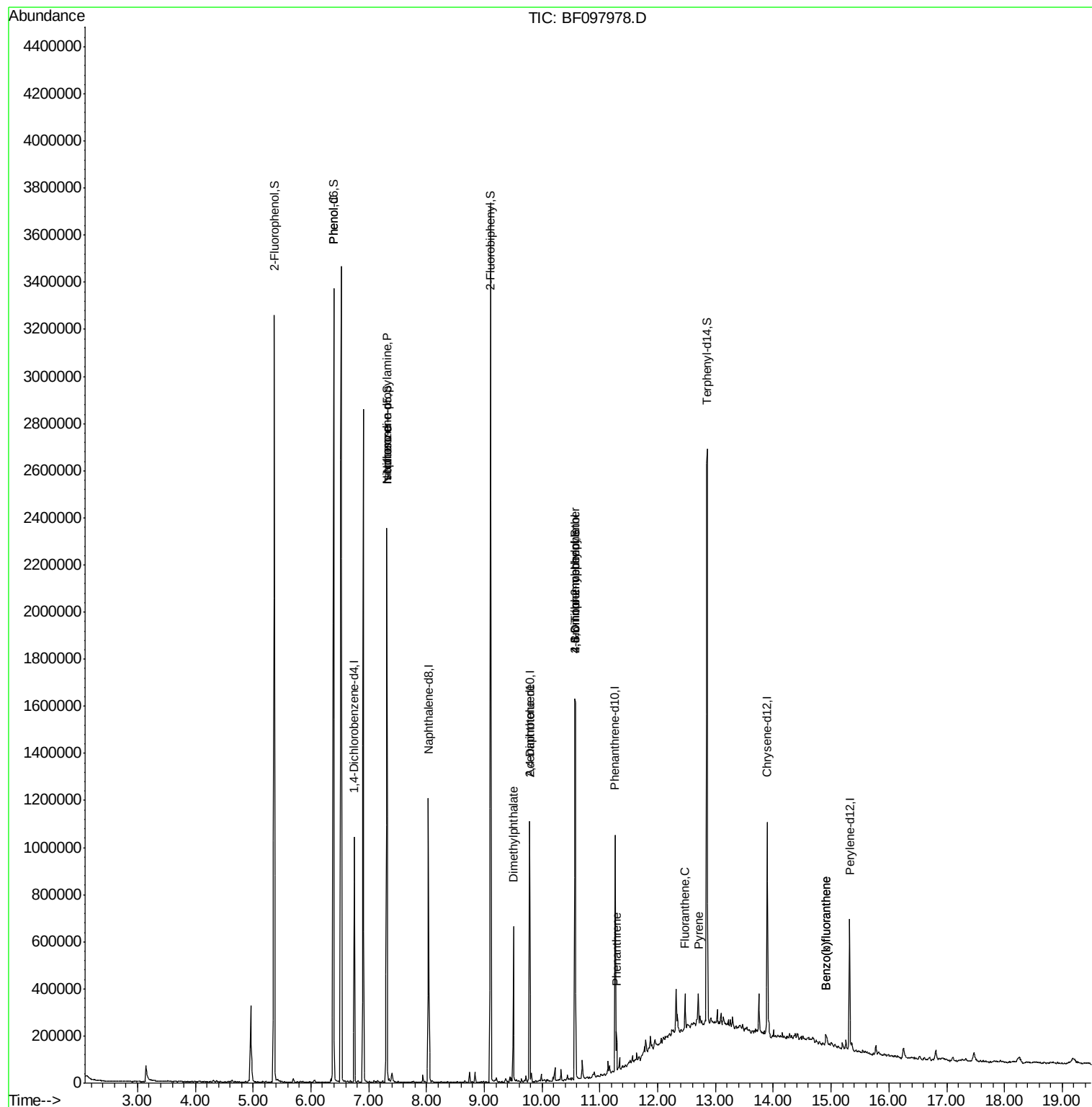
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.75	152	135957	20.00	ng	0.00
21) Naphthalene-d8	8.03	136	524857	20.00	ng	0.00
38) Acenaphthene-d10	9.79	164	213738	20.00	ng	0.00
63) Phenanthrene-d10	11.26	188	350846	20.00	ng	0.00
75) Chrysene-d12	13.90	240	301211	20.00	ng	0.00
86) Perylene-d12	15.32	264	239014	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.37	112	1081860	121.04	ng	0.02
7) Phenol-d6	6.39	99	1435970	118.24	ng	0.00
23) Nitrobenzene-d5	7.32	82	925619	95.80	ng	0.00
41) 2,4,6-Tribromophenol	10.57	330	193767	104.48	ng	0.00
44) 2-Fluorobiphenyl	9.11	172	1239501	85.20	ng	0.00
78) Terphenyl-d14	12.86	244	819076	56.71	ng	0.00
Target Compounds						
10) Phenol	6.40	94	34113	2.40	ng	# 44
19) n-Nitroso-di-n-propylamine	7.32	70	126388	15.20	ng	# 72
25) Isophorone	7.32	82	909055	45.25	ng	# 67
49) Dimethylphthalate	9.50	163	229370	14.68	ng	99
56) 2,4-Dinitrotoluene	9.79	165	26978	6.89	ng	# 34
64) 4,6-Dinitro-2-methylphenol	10.57	198	391	8.52	ng	# 1
66) 4-Bromophenyl-phenylether	10.57	248	13020	3.57	ng	# 1
70) Phenanthrene	11.29	178	52866	2.83	ng	99
74) Fluoranthene	12.47	202	52283	2.68	ng	97
77) Pyrene	12.70	202	58737	2.38	ng	99
87) Benzo(b)fluoranthene	14.91	252	33021	2.19	ng	# 95
88) Benzo(k)fluoranthene	14.91	252	33021	2.33	ng	99

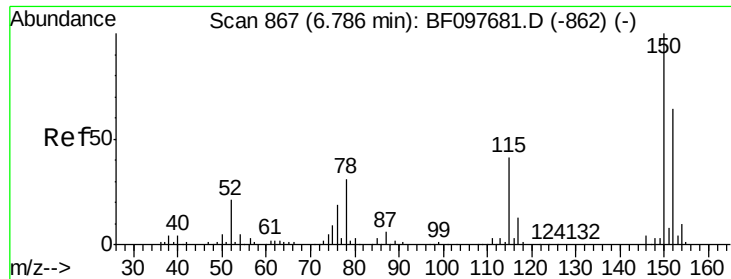
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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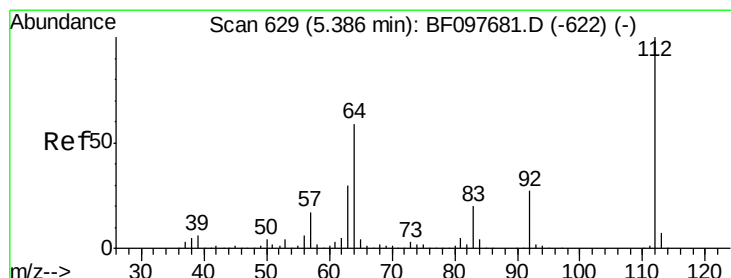
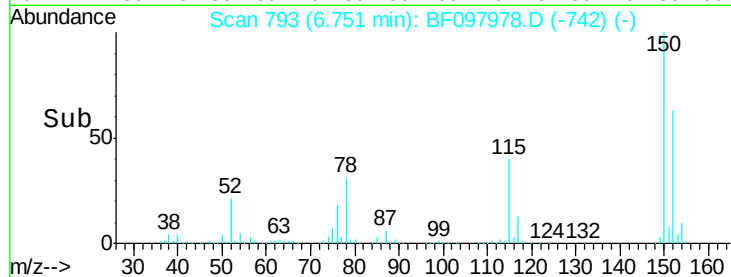
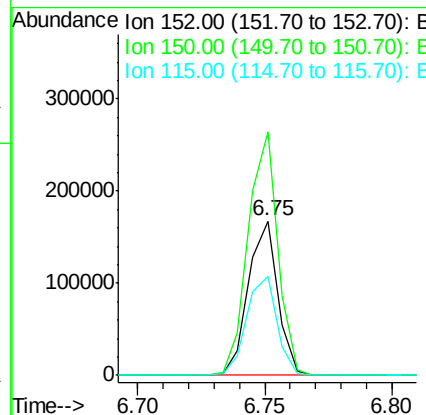
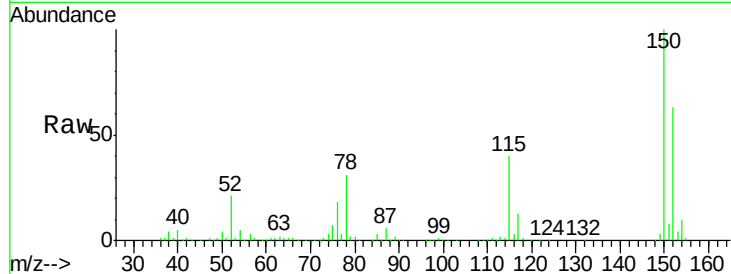


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.75 min Scan# 793
Delta R.T. -0.00 min
Lab File: BF097978.D
Acq: 23 Aug 2017 2:45

Instrument :
BNA_F
ClientSampleId :
SP-7-8

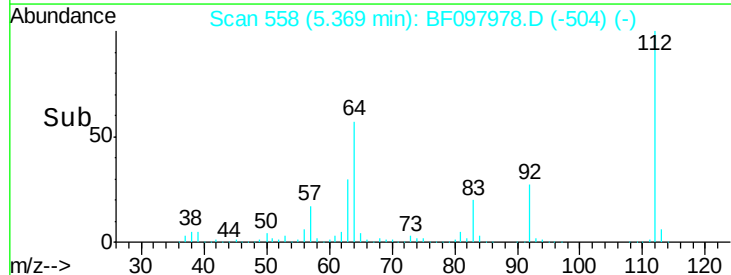
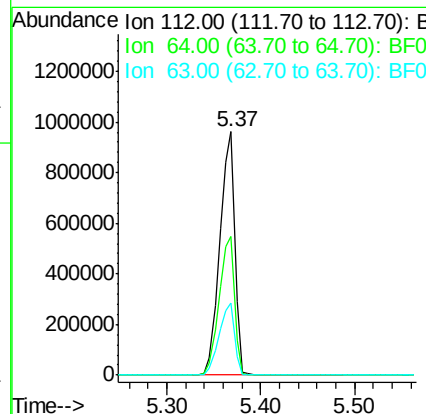
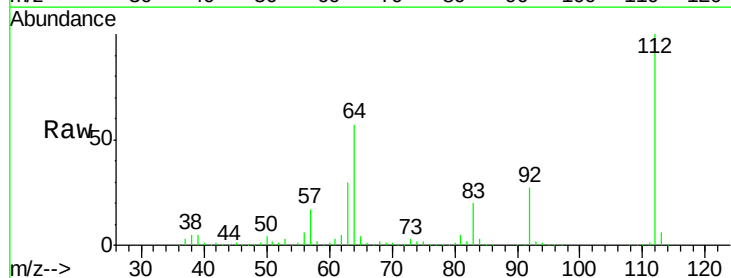
Tot Ion	Ratio	Lower	Upper
152	100		
150	157.9	126.2	189.2
115	63.9	52.2	78.2

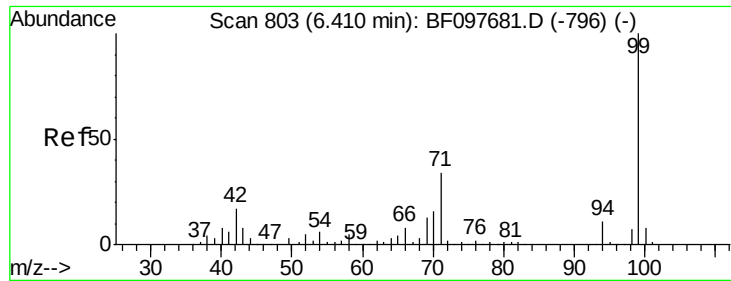


#5

2-Fluorophenol
Concen: 121.04 ng
RT: 5.37 min Scan# 558
Delta R.T. 0.02 min
Lab File: BF097978.D
Acq: 23 Aug 2017 2:45

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.0	46.0	69.0
63	29.6	23.4	35.0





#7

Phenol-d6

Concen: 118.24 ng

RT: 6.39 min Scan# 732

Delta R.T. 0.01 min

Lab File: BF097978.D

Acq: 23 Aug 2017 2:45

Instrument :

BNA_F

ClientSampleId :

SP-7-8

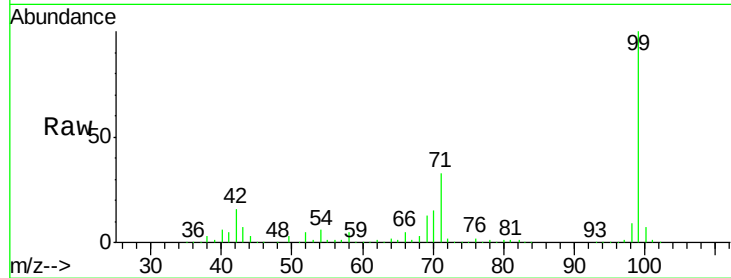
Tot Ion: 99 Resp: 1435970

Ion Ratio Lower Upper

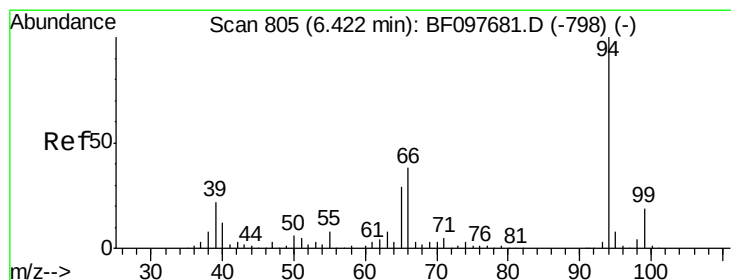
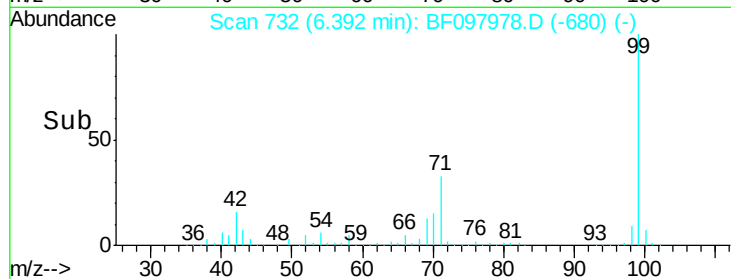
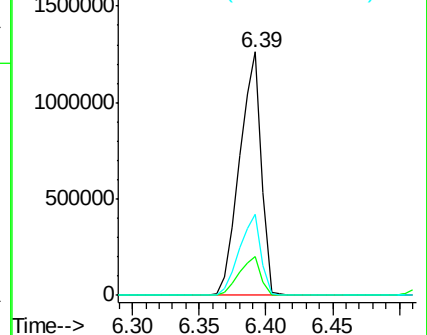
99 100

42 15.7 13.5 20.3

71 33.1 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: 2.40 ng

RT: 6.40 min Scan# 733

Delta R.T. -0.00 min

Lab File: BF097978.D

Acq: 23 Aug 2017 2:45

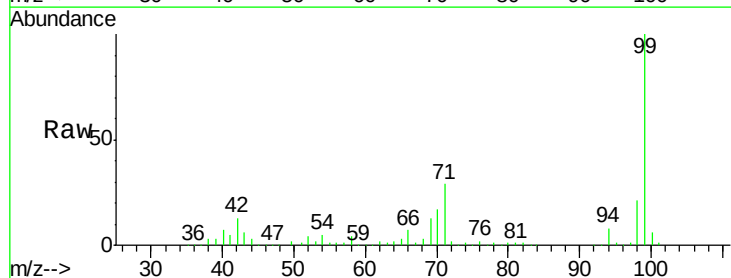
Tgt Ion: 94 Resp: 34113

Ion Ratio Lower Upper

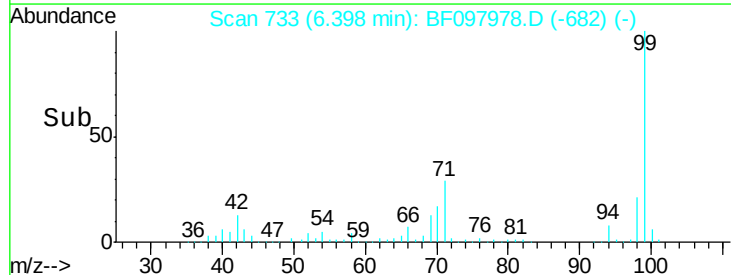
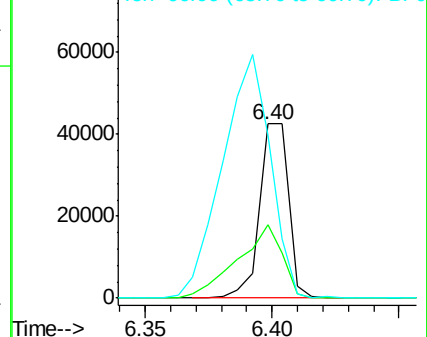
94 100

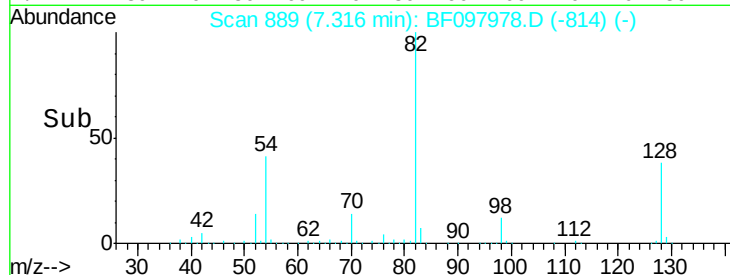
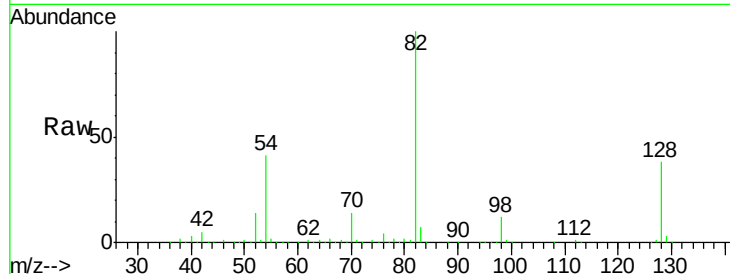
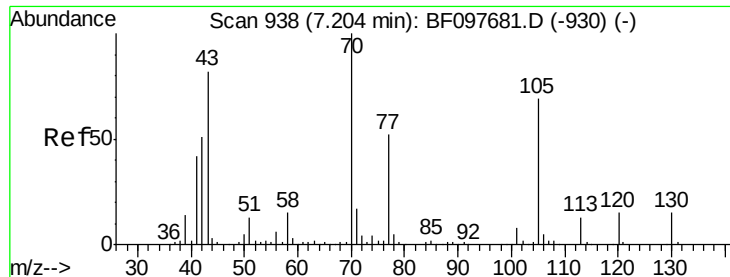
65 42.3 9.9 49.9

66 93.6 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

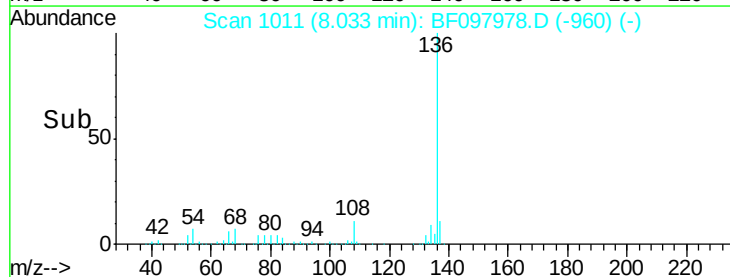
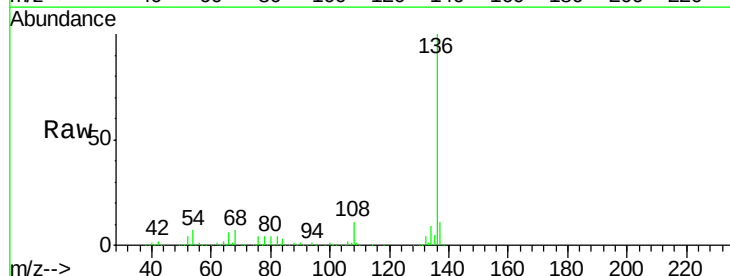
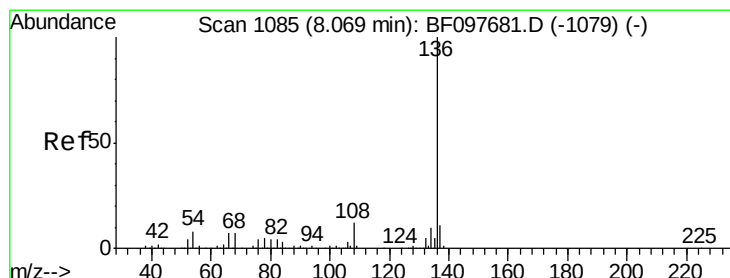
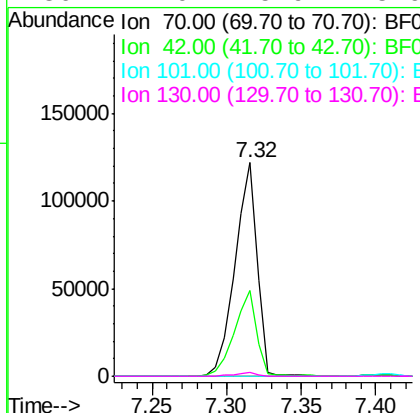




#19
n-Nitroso-di-n-propylamine
Concen: 15.20 ng
RT: 7.32 min Scan# 889
Delta R.T. 0.14 min
Lab File: BF097978.D
Acq: 23 Aug 2017 2:45

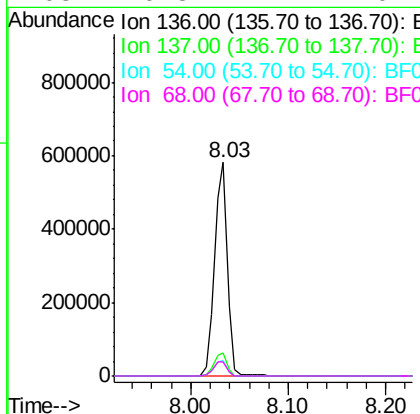
Instrument :
BNA_F
ClientSampleId :
SP-7-8

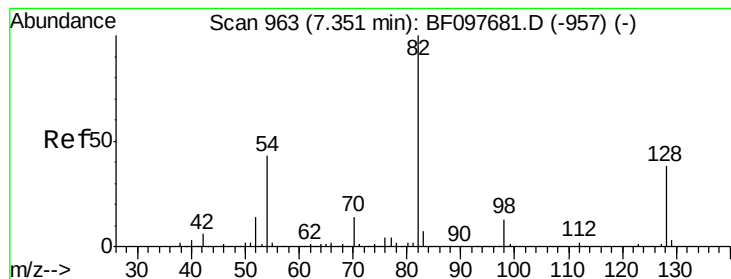
Tot Ion	Ratio	Lower	Upper
70	100		
42	39.9	47.2	70.8#
101	0.0	7.2	10.8#
130	2.0	15.9	23.9#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.03 min Scan# 1011
Delta R.T. -0.00 min
Lab File: BF097978.D
Acq: 23 Aug 2017 2:45

Tgt Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.5	12.7
54	7.4	4.9	7.3#
68	6.8	4.1	6.1#





#23

Nitrobenzene-d5

Concen: 95.80 ng

RT: 7.32 min Scan# 889

Delta R.T. -0.01 min

Lab File: BF097978.D

Acq: 23 Aug 2017 2:45

Instrument :

BNA_F

ClientSampled :

SP-7-8

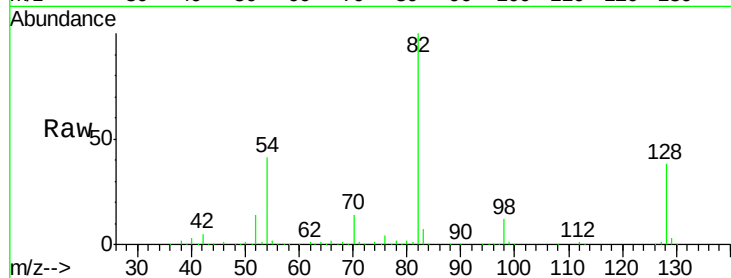
Tot Ion: 82 Resp: 925619

Ion Ratio Lower Upper

82 100

128 37.8 34.0 51.0

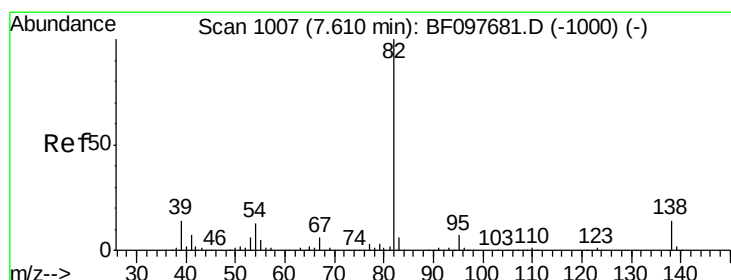
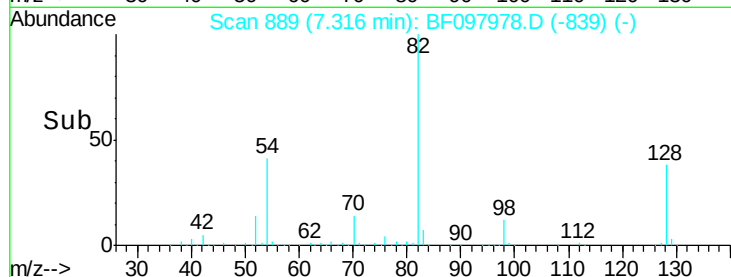
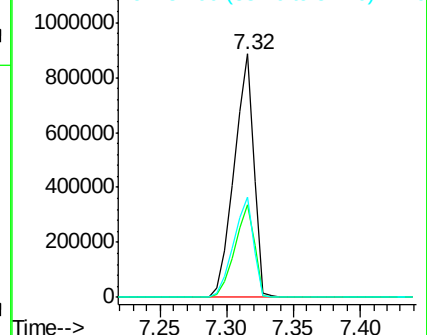
54 41.2 42.2 63.2#



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): BF0

Ion 54.00 (53.70 to 54.70): BF0



#25

Isophorone

Concen: 45.25 ng

RT: 7.32 min Scan# 889

Delta R.T. -0.26 min

Lab File: BF097978.D

Acq: 23 Aug 2017 2:45

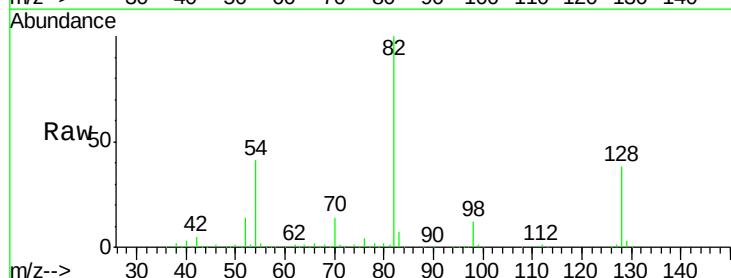
Tgt Ion: 82 Resp: 909055

Ion Ratio Lower Upper

82 100

95 0.0 5.3 7.9#

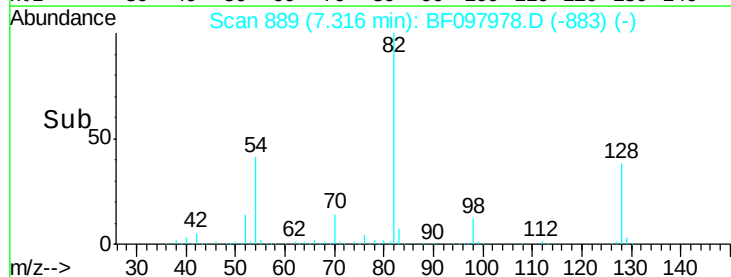
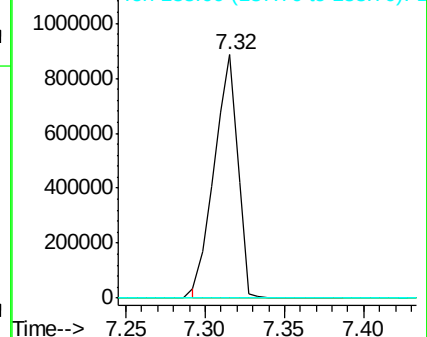
138 0.0 13.1 19.7#

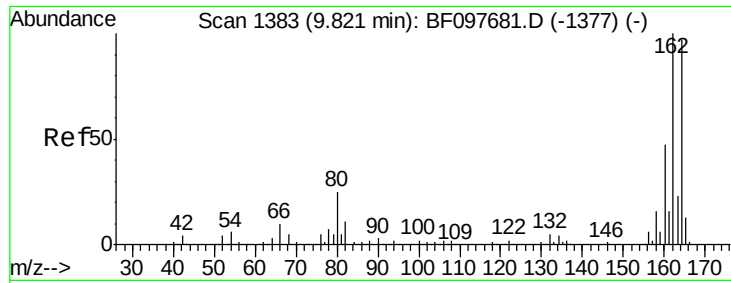


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): BF0

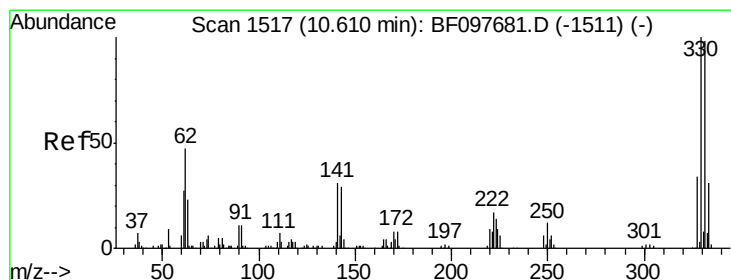
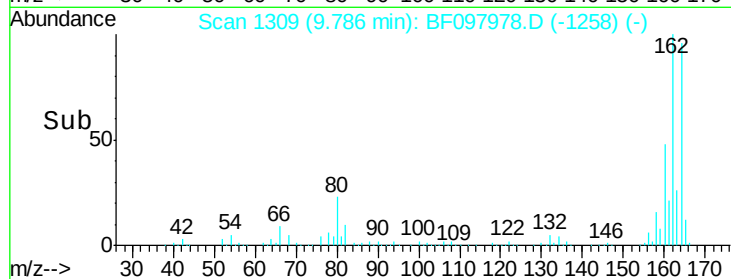
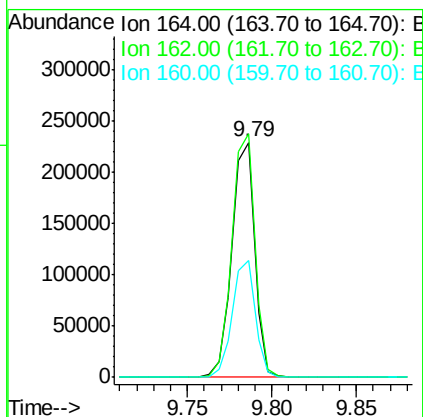
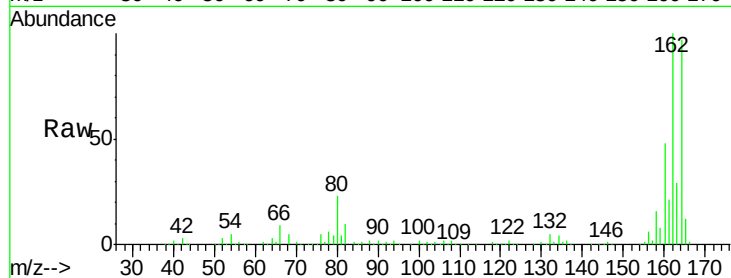




#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.79 min Scan# 1309
 Delta R.T. -0.00 min
 Lab File: BF097978.D
 Acq: 23 Aug 2017 2:45

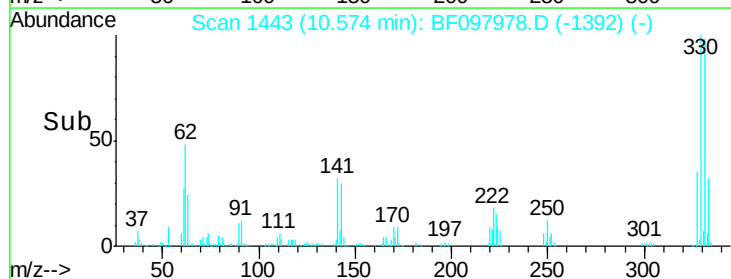
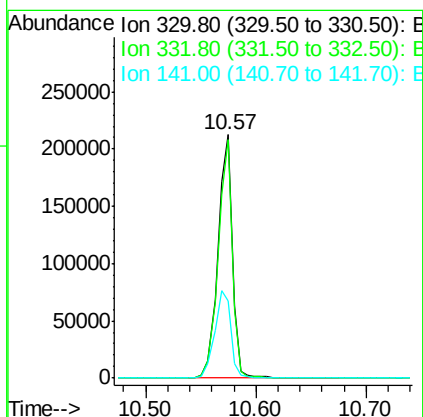
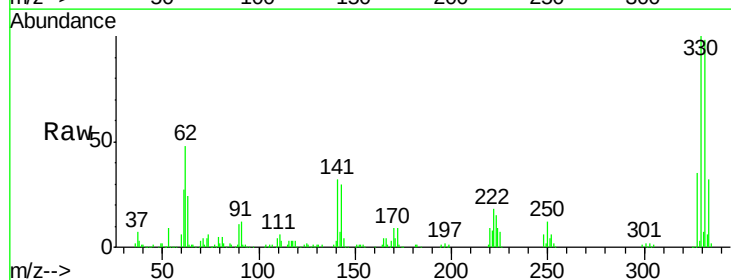
Instrument :
 BNA_F
 ClientSampleId :
 SP-7-8

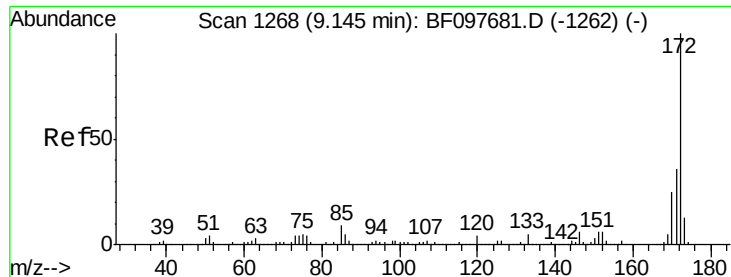
Tot Ion:164 Resp: 213738
 Ion Ratio Lower Upper
 164 100
 162 103.5 82.6 123.8
 160 49.8 36.2 54.2



#41
 2,4,6-Tribromophenol
 Concen: 104.48 ng
 RT: 10.57 min Scan# 1443
 Delta R.T. -0.00 min
 Lab File: BF097978.D
 Acq: 23 Aug 2017 2:45

Tgt Ion:330 Resp: 193767
 Ion Ratio Lower Upper
 330 100
 332 96.0 76.6 115.0
 141 40.0 31.4 47.2

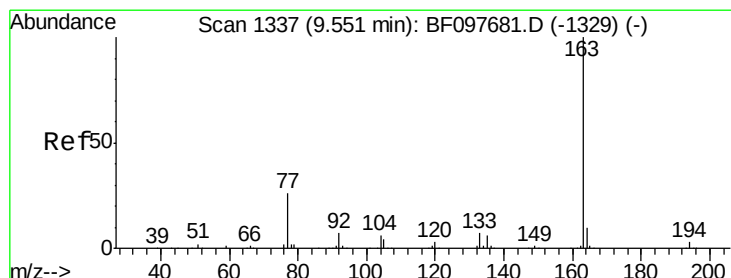
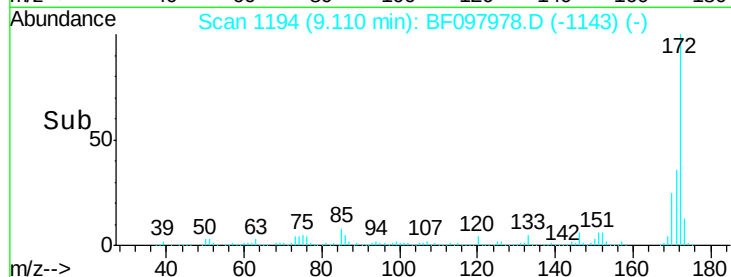
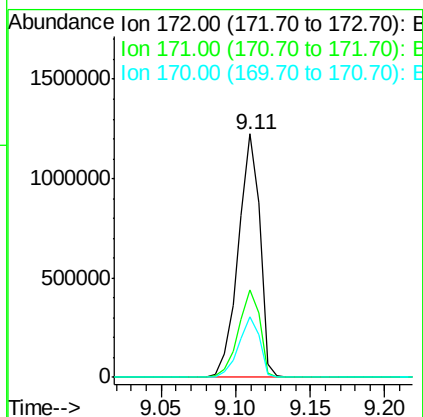
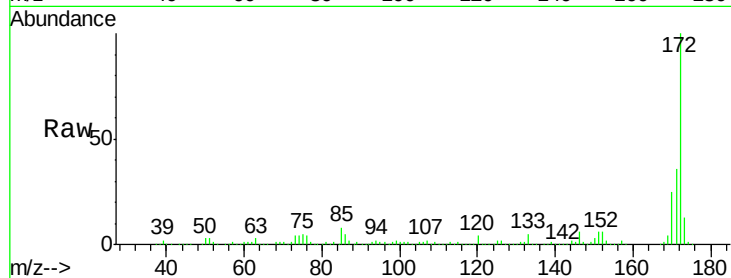




#44
2-Fluorobiphenyl
Concen: 85.20 ng
RT: 9.11 min Scan# 1194
Delta R.T. -0.00 min
Lab File: BF097978.D
Acq: 23 Aug 2017 2:45

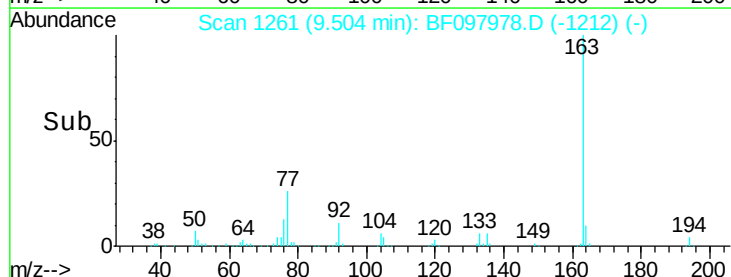
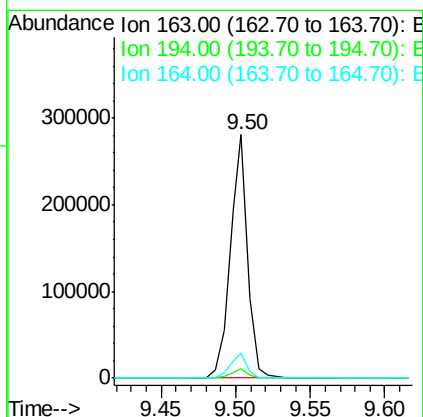
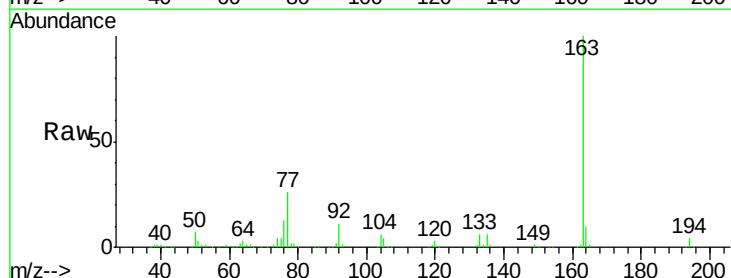
Instrument :
BNA_F
ClientSampleId :
SP-7-8

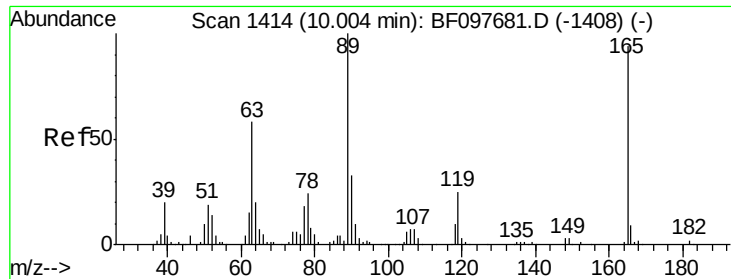
Tot Ion:172 Resp: 1239501
Ion Ratio Lower Upper
172 100
171 36.0 29.6 44.4
170 24.9 19.8 29.8



#49
Dimethylphthalate
Concen: 14.68 ng
RT: 9.50 min Scan# 1261
Delta R.T. -0.01 min
Lab File: BF097978.D
Acq: 23 Aug 2017 2:45

Tgt Ion:163 Resp: 229370
Ion Ratio Lower Upper
163 100
194 3.6 2.6 4.0
164 9.9 8.4 12.6

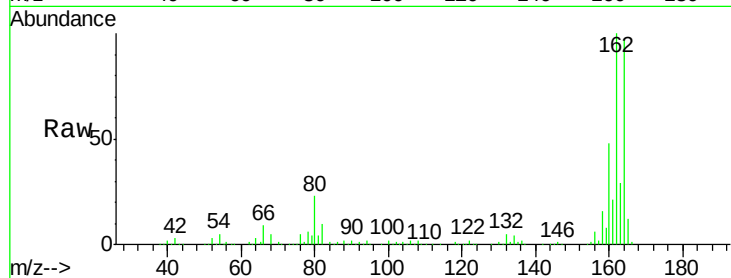




#56
 2,4-Dinitrotoluene
 Concen: 6.89 ng
 RT: 9.79 min Scan# 1309
 Delta R.T. -0.19 min
 Lab File: BF097978.D
 Acq: 23 Aug 2017 2:45

Instrument :
 BNA_F
 ClientSampleId :
 SP-7-8

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.7	25.4	38.0#
89	2.3	46.4	69.6#
182	0.0	1.8	2.6#

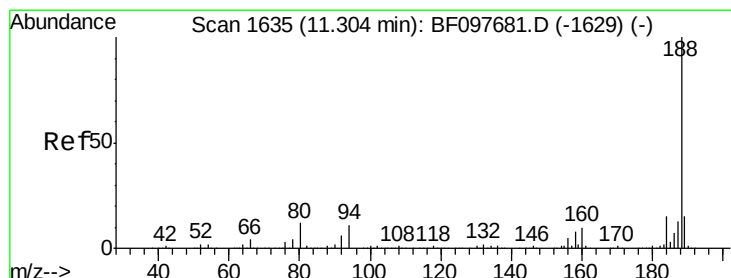
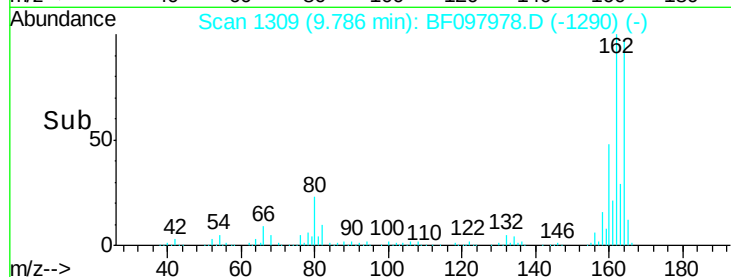
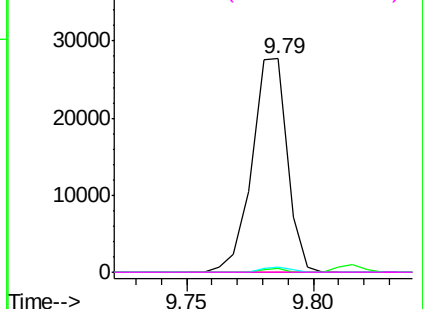


Abundance Ion 165.00 (164.70 to 165.70): E

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



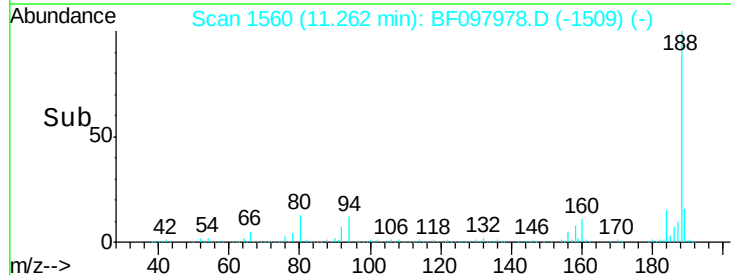
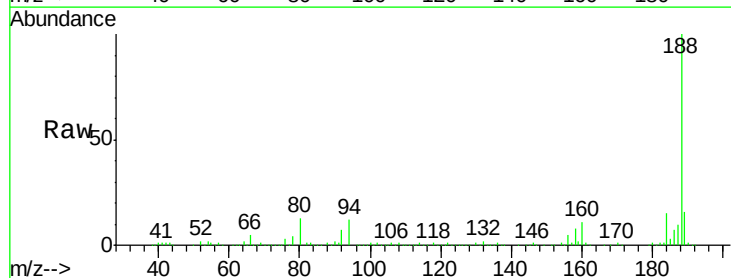
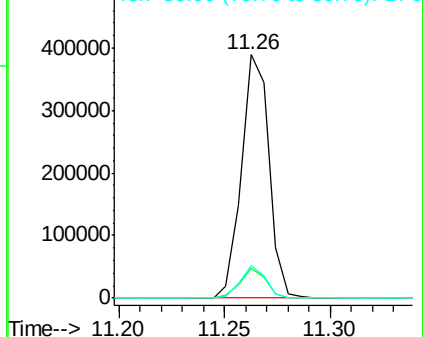
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.26 min Scan# 1560
 Delta R.T. -0.00 min
 Lab File: BF097978.D
 Acq: 23 Aug 2017 2:45

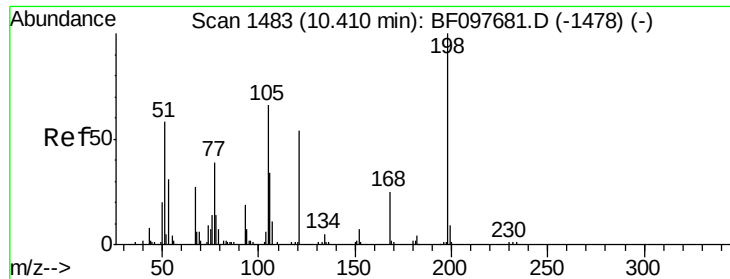
Tgt Ion	Ratio	Lower	Upper
188	100		
94	12.4	9.4	14.2
80	13.2	10.2	15.2

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

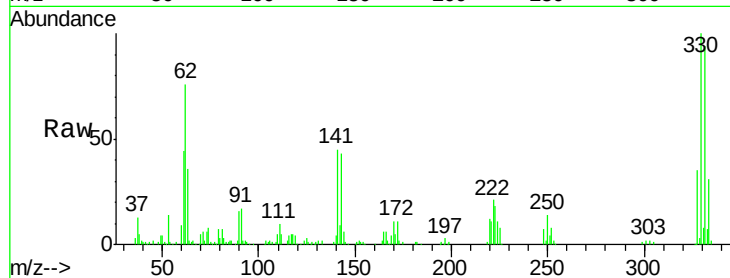




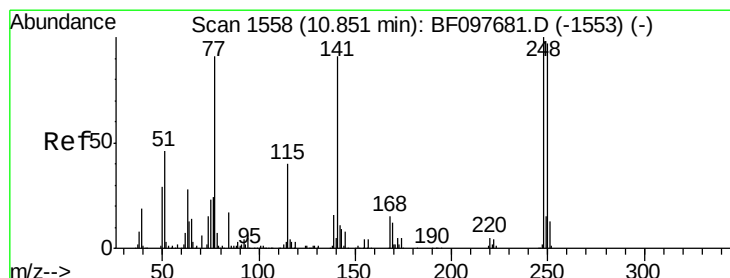
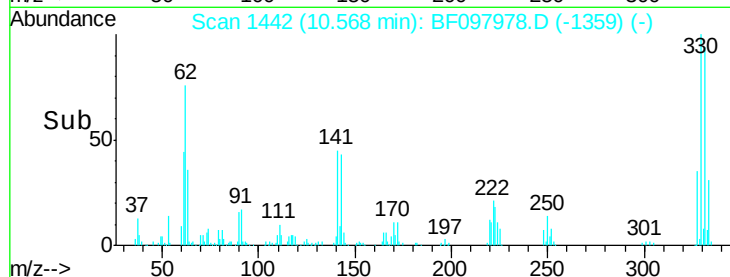
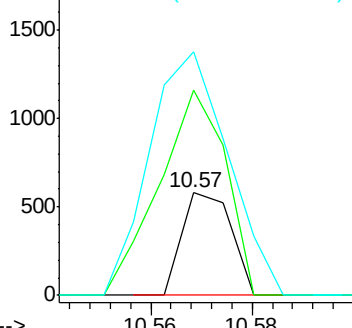
#64
4,6-Dinitro-2-methylphenol
Concen: 8.52 ng
RT: 10.57 min Scan# 1442
Delta R.T. 0.19 min
Lab File: BF097978.D
Acq: 23 Aug 2017 2:45

Instrument :
BNA_F
ClientSampleId :
SP-7-8

Tot Ion:198 Resp: 391
Ion Ratio Lower Upper
198 100
51 200.7 53.2 93.2#
105 237.4 45.8 85.8#

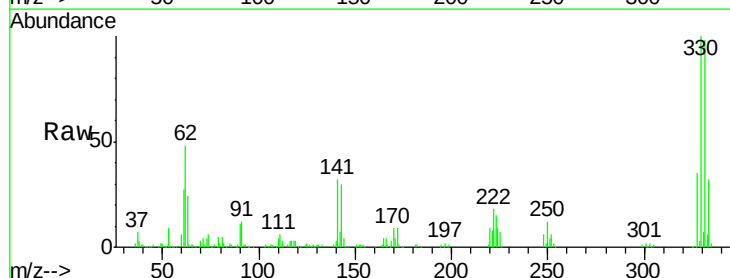


Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF0
Ion 105.00 (104.70 to 105.70): E

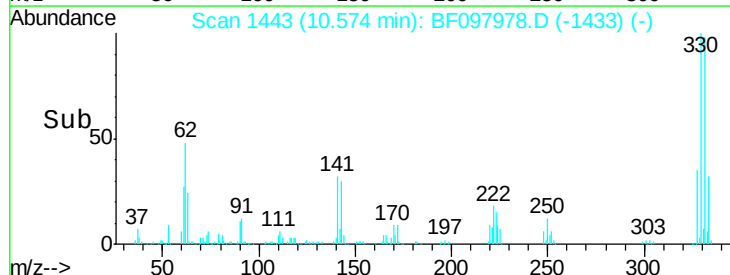
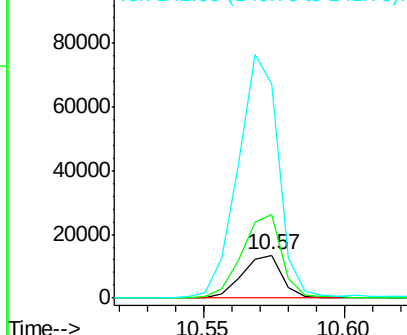


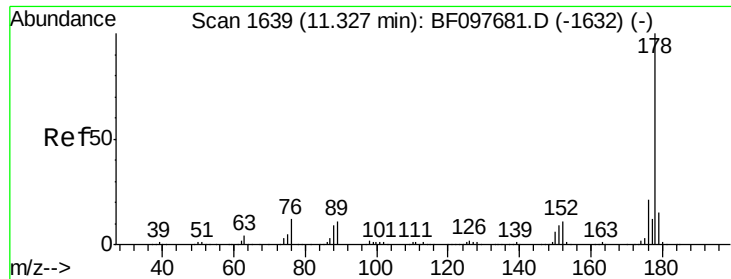
#66
4-Bromophenyl-phenylether
Concen: 3.57 ng
RT: 10.57 min Scan# 1443
Delta R.T. -0.24 min
Lab File: BF097978.D
Acq: 23 Aug 2017 2:45

Tgt Ion:248 Resp: 13020
Ion Ratio Lower Upper
248 100
250 195.3 76.8 115.2#
141 500.3 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: 2.83 ng

RT: 11.29 min Scan# 1564

Delta R.T. -0.01 min

Lab File: BF097978.D

Acq: 23 Aug 2017 2:45

Instrument :

BNA_F

ClientSampleId :

SP-7-8

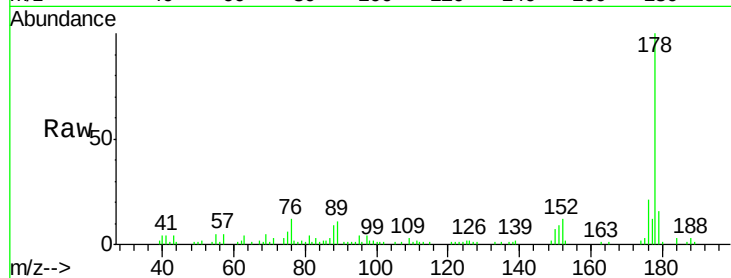
Tot Ion:178 Resp: 52866

Ion Ratio Lower Upper

178 100

176 20.8 16.2 24.4

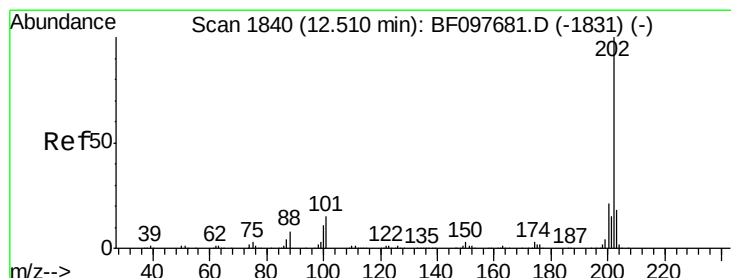
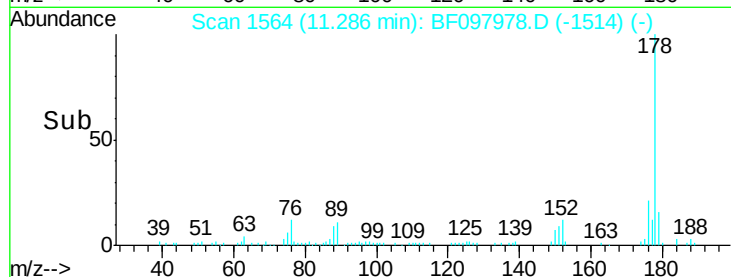
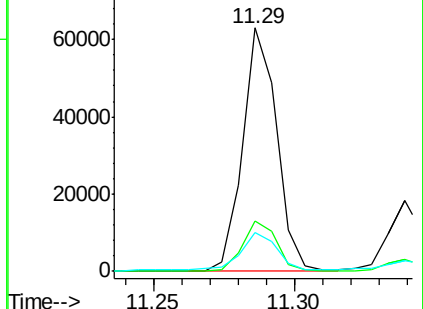
179 16.1 12.6 19.0



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: 2.68 ng

RT: 12.47 min Scan# 1766

Delta R.T. -0.00 min

Lab File: BF097978.D

Acq: 23 Aug 2017 2:45

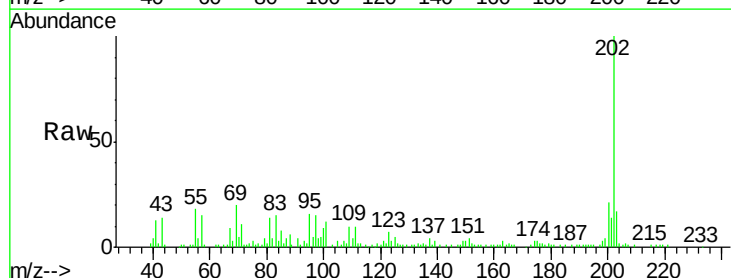
Tgt Ion:202 Resp: 52283

Ion Ratio Lower Upper

202 100

101 11.8 0.0 33.2

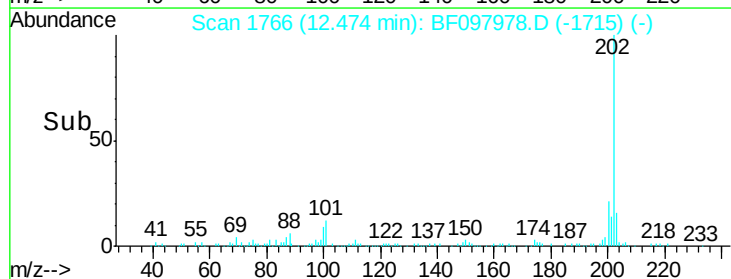
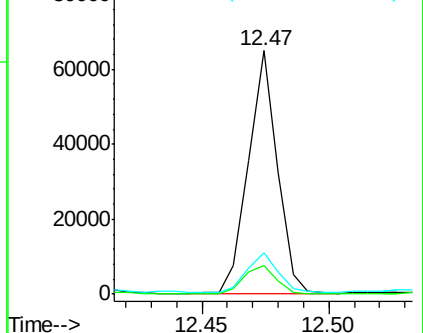
203 17.1 0.0 38.1

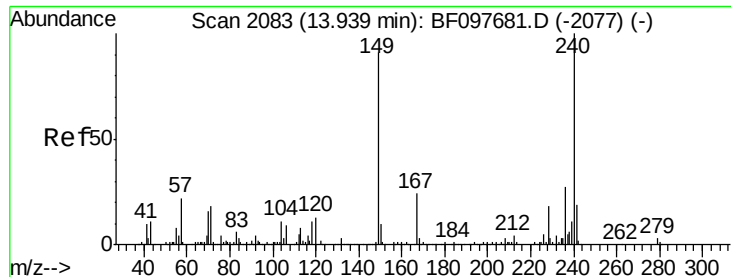


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.90 min Scan# 2008

Delta R.T. -0.00 min

Lab File: BF097978.D

Acq: 23 Aug 2017 2:45

Instrument :

BNA_F

ClientSampleId :

SP-7-8

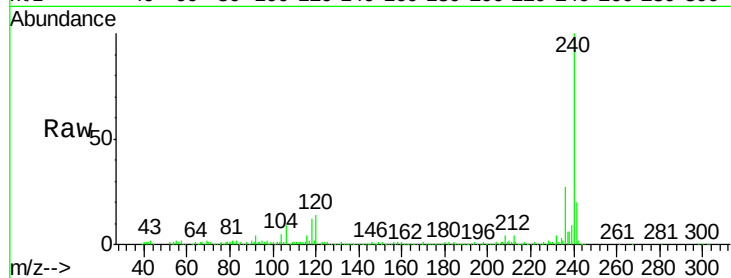
Tot Ion:240 Resp: 301211

Ion Ratio Lower Upper

240 100

120 13.9 5.8 8.8#

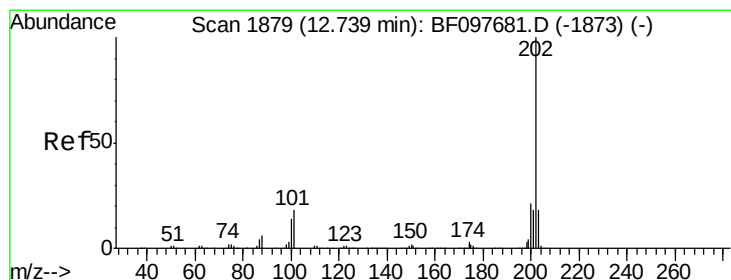
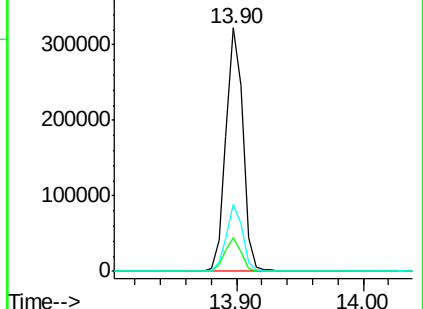
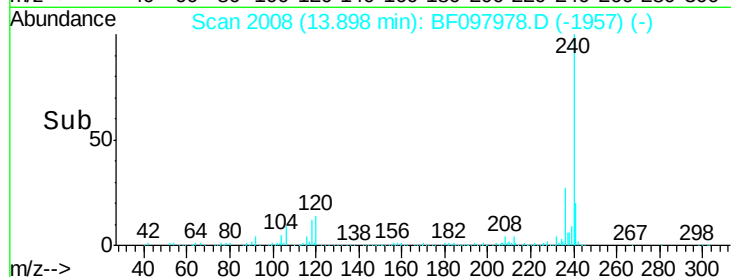
236 27.3 20.5 30.7



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: 2.38 ng

RT: 12.70 min Scan# 1805

Delta R.T. -0.00 min

Lab File: BF097978.D

Acq: 23 Aug 2017 2:45

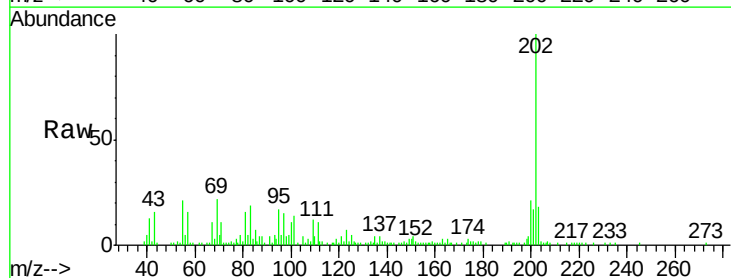
Tgt Ion:202 Resp: 58737

Ion Ratio Lower Upper

202 100

200 21.1 17.6 26.4

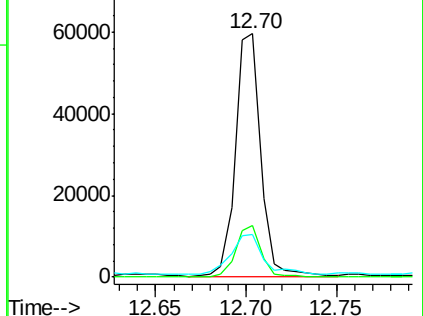
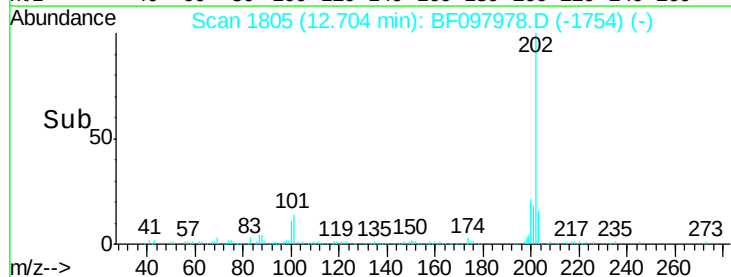
203 17.7 14.4 21.6

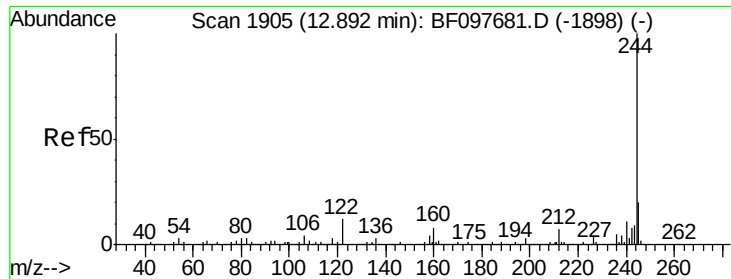


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

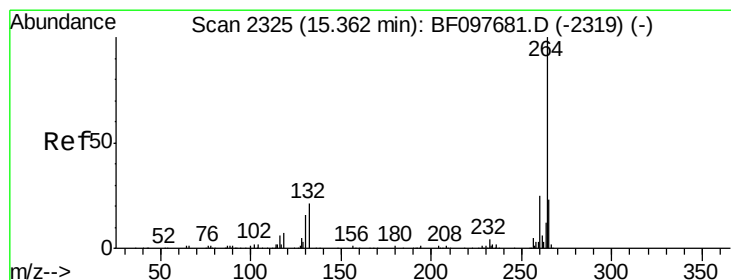
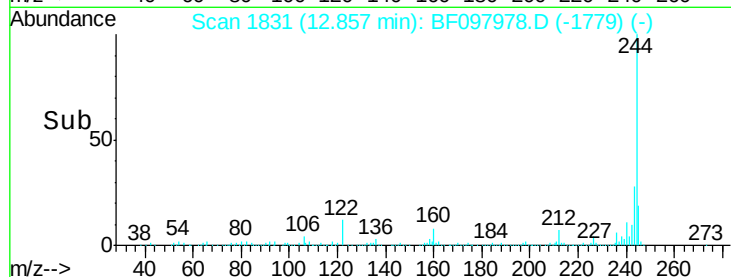
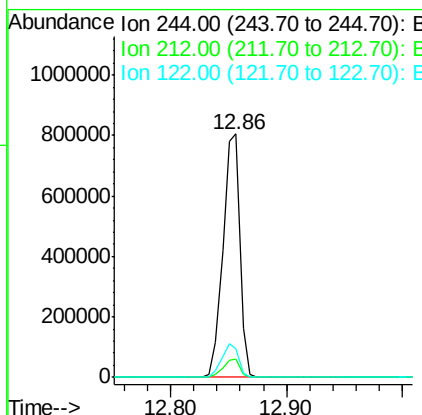
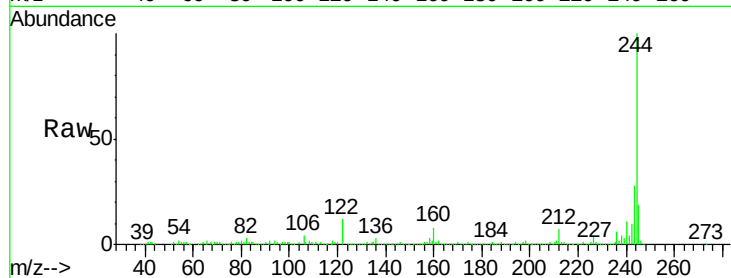




#78
 Terphenyl-d14
 Concen: 56.71 ng
 RT: 12.86 min Scan# 1831
 Delta R.T. 0.01 min
 Lab File: BF097978.D
 Acq: 23 Aug 2017 2:45

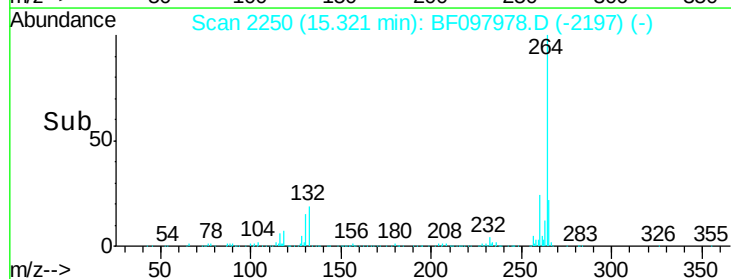
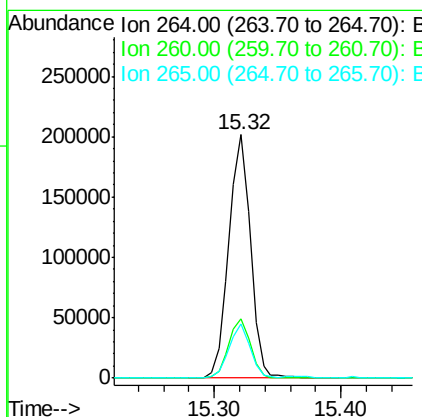
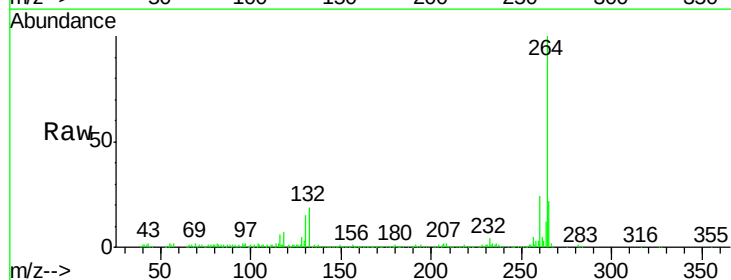
Instrument :
 BNA_F
 ClientSampled :
 SP-7-8

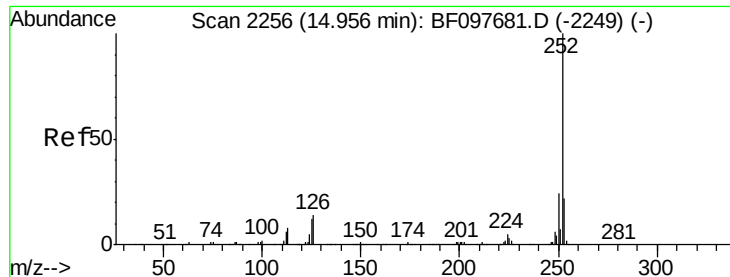
Tot Ion:244 Resp: 819076
 Ion Ratio Lower Upper
 244 100
 212 7.4 6.0 9.0
 122 11.8 10.3 15.5



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.32 min Scan# 2250
 Delta R.T. 0.01 min
 Lab File: BF097978.D
 Acq: 23 Aug 2017 2:45

Tgt Ion:264 Resp: 239014
 Ion Ratio Lower Upper
 264 100
 260 24.3 19.5 29.3
 265 22.0 17.2 25.8

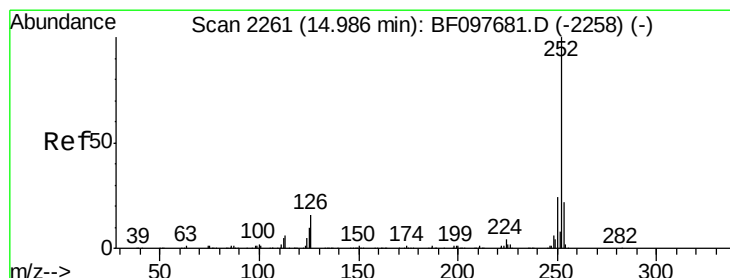
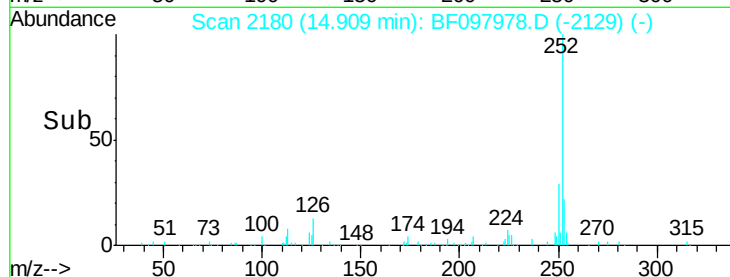
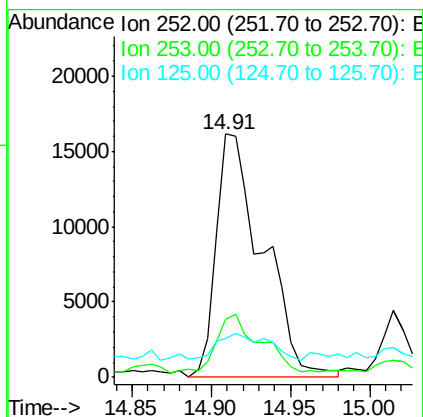
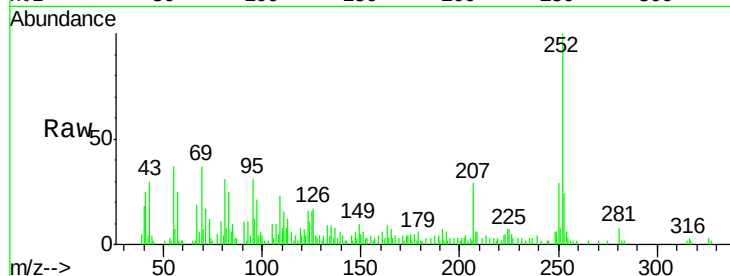




#87
Benzo(b)fluoranthene
Concen: 2.19 ng
RT: 14.91 min Scan# 2180
Delta R.T. -0.00 min
Lab File: BF097978.D
Acq: 23 Aug 2017 2:45

Instrument :
BNA_F
ClientSampleId :
SP-7-8

Tot Ion:252 Resp: 33021
Ion Ratio Lower Upper
252 100
253 23.7 18.1 27.1
125 15.8 9.8 14.8#



#88
Benzo(k)fluoranthene
Concen: 2.33 ng
RT: 14.91 min Scan# 2180
Delta R.T. -0.03 min
Lab File: BF097978.D
Acq: 23 Aug 2017 2:45

Tgt Ion:252 Resp: 33021
Ion Ratio Lower Upper
252 100
253 23.7 18.4 27.6
125 15.8 13.1 19.7

