

Data Path : Z:\HPCHEM1\BNA F\DATA\BF080117\
 Data File : BF097267.D
 Acq On : 2 Aug 2017 11:09
 Operator : SJ/JU
 Sample : I4493-05 2X
 Misc :
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 02 13:24:42 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 02 11:39:11 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.46	152	115943	20.00	ng	0.00
21) Naphthalene-d8	7.75	136	459102	20.00	ng	0.00
38) Acenaphthene-d10	9.49	164	160740	20.00	ng	0.00
63) Phenanthrene-d10	10.96	188	227937	20.00	ng	0.00
75) Chrysene-d12	13.59	240	215891	20.00	ng	0.00
86) Perylene-d12	14.93	264	154670	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.06	112	303766	39.50	ng	0.00
7) Phenol-d6	6.13	99	329100	37.48	ng	-0.02
23) Nitrobenzene-d5	7.03	82	202864	25.92	ng	-0.01
41) 2,4,6-Tribromophenol	10.27	330	41213	32.45	ng	-0.01
44) 2-Fluorobiphenyl	8.82	172	259523	27.40	ng	-0.01
78) Terphenyl-d14	12.55	244	155650	14.70	ng	0.00

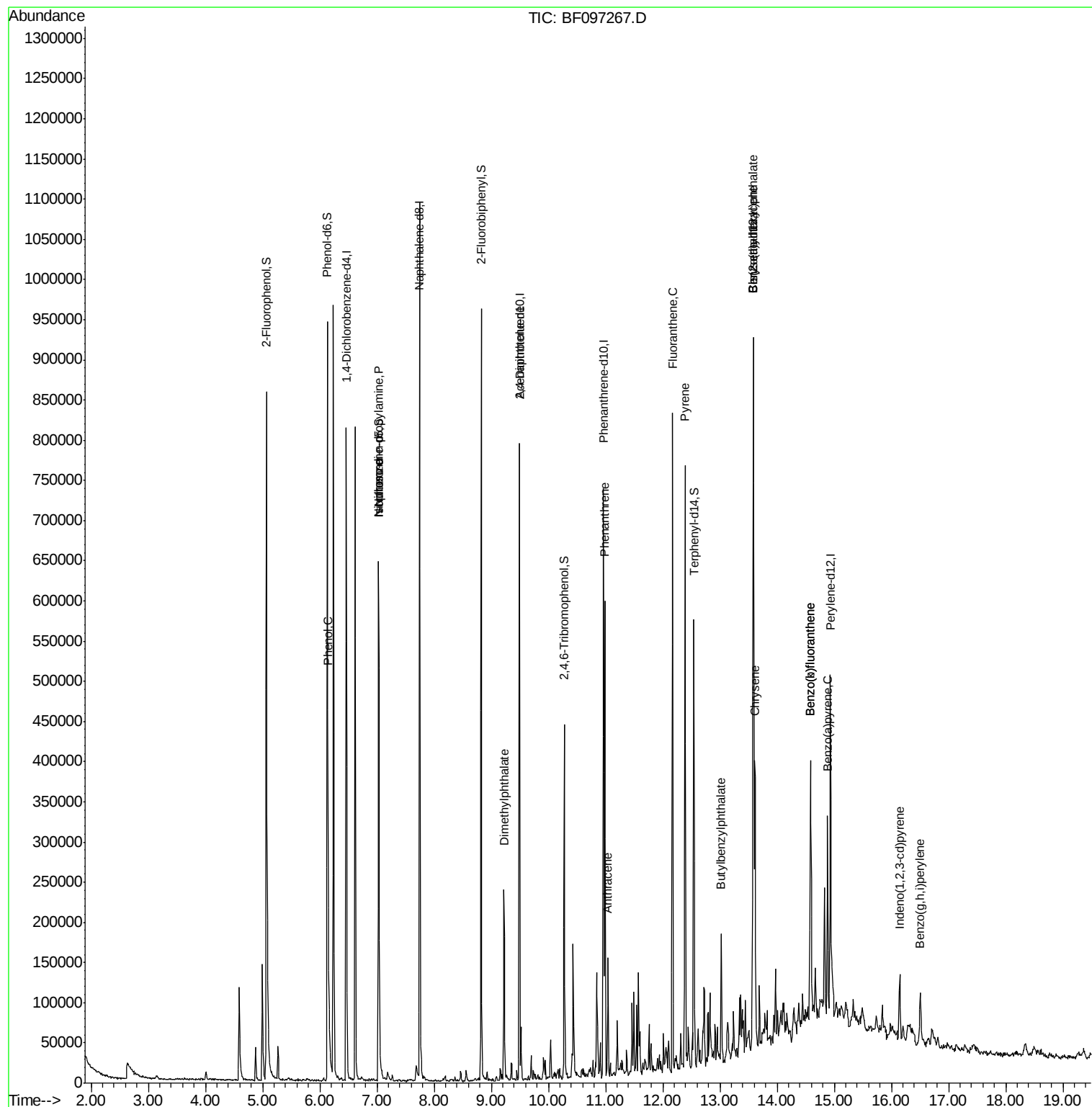
Target Compounds				Qvalue		
10) Phenol	6.15	94	98775	9.484	ng	95
19) n-Nitroso-di-n-propylamine	7.03	70	26559	4.595	ng	# 84
25) Isophorone	7.03	82	202862	13.236	ng	# 67
49) Dimethylphthalate	9.22	163	91578	7.503	ng	99
56) 2,4-Dinitrotoluene	9.49	165	20150	6.771	ng	# 33
70) Phenanthrene	10.99	178	200197	16.392	ng	96
71) Anthracene	11.04	178	50939	4.072	ng	95
74) Fluoranthene	12.17	202	301665	25.213	ng	99
77) Pyrene	12.39	202	278745	15.771	ng	98
79) Butylbenzylphthalate	13.03	149	35917	3.995	ng	# 85
80) Benzo(a)anthracene	13.58	228	151957	10.878	ng	99
82) Chrysene	13.62	228	139753	10.246	ng	97
83) Bis(2-ethylhexyl)phthalate	13.59	149	26298	2.240	ng	100
85) Indeno(1,2,3-cd)pyrene	16.14	276	43707	3.737	ng	94
87) Benzo(b)fluoranthene	14.58	252	183804	19.769	ng	# 96
88) Benzo(k)fluoranthene	14.58	252	183804	20.746	ng	99
89) Benzo(a)pyrene	14.88	252	93196	10.952	ng	# 96
91) Benzo(g,h,i)perylene	16.50	276	42860	5.857	ng	97

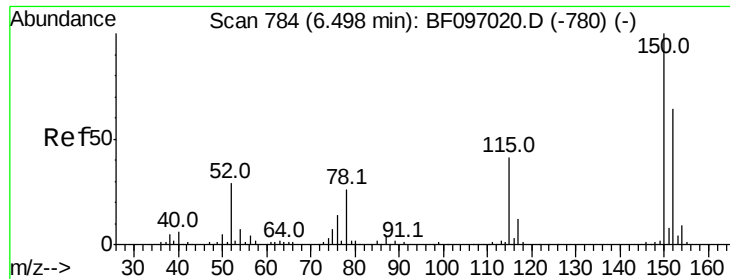
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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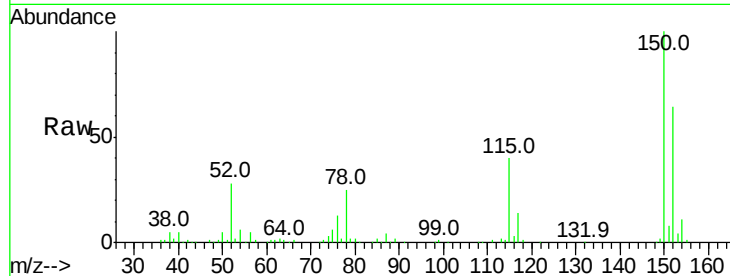


#1

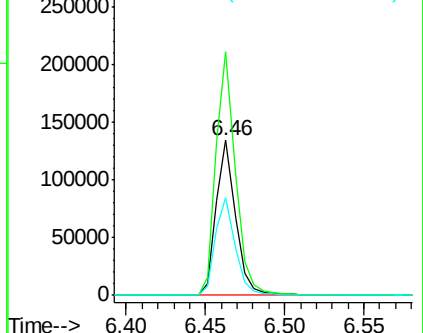
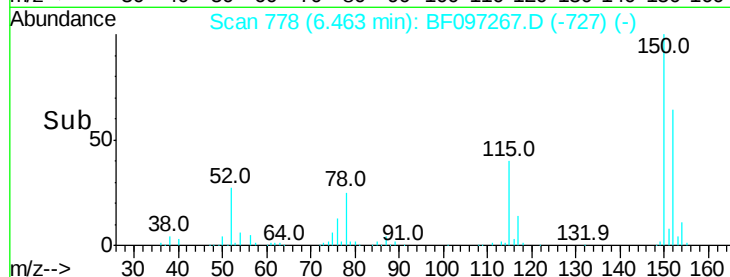
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.46 min Scan# 778
Delta R.T. 0.00 min
Lab File: BF097267.D
Acq: 2 Aug 2017 11:09

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 115943
Ion Ratio Lower Upper
152 100
150 156.8 126.2 189.2
115 62.8 52.2 78.2



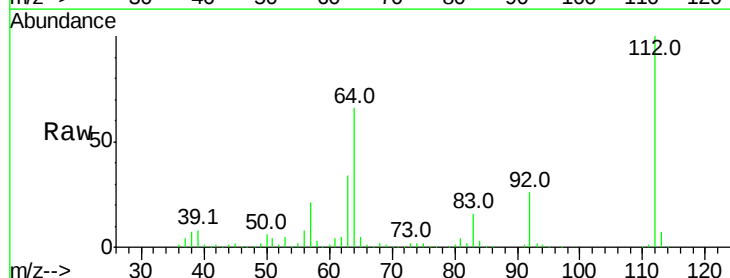
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



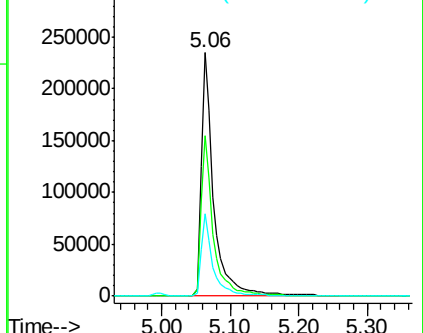
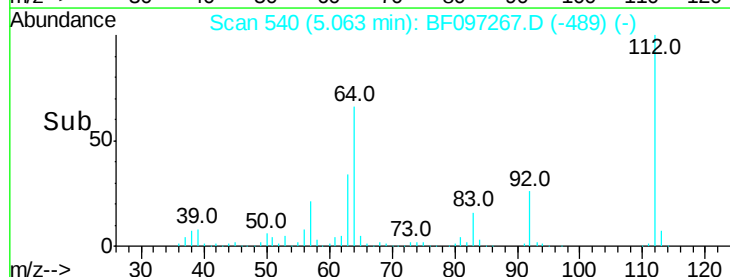
#5

2-Fluorophenol
Concen: 39.496 ng
RT: 5.06 min Scan# 540
Delta R.T. 0.00 min
Lab File: BF097267.D
Acq: 2 Aug 2017 11:09

Tgt Ion:112 Resp: 303766
Ion Ratio Lower Upper
112 100
64 65.7 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: 37.481 ng

RT: 6.13 min Scan# 721

Delta R.T. -0.02 min

Lab File: BF097267.D

Acq: 2 Aug 2017 11:09

Instrument :

BNA_F

ClientSampleId :

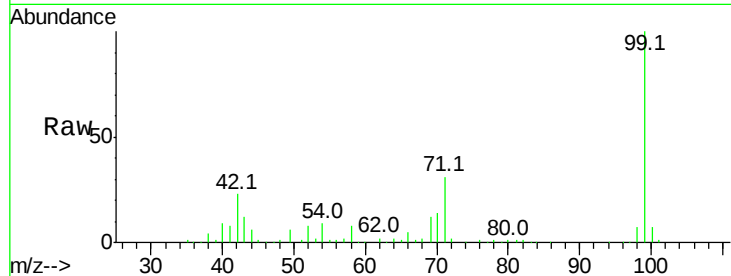
Tot Ion: 99 Resp: 329100

Ion Ratio Lower Upper

99 100

42 23.4 13.5 20.3#

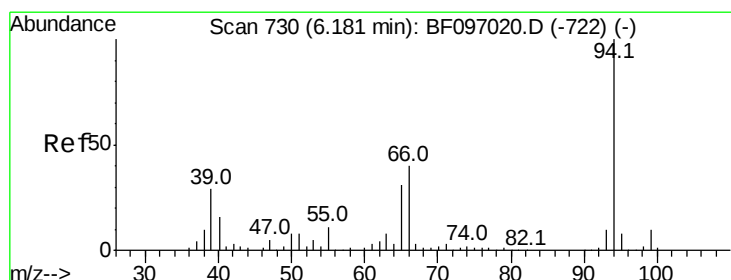
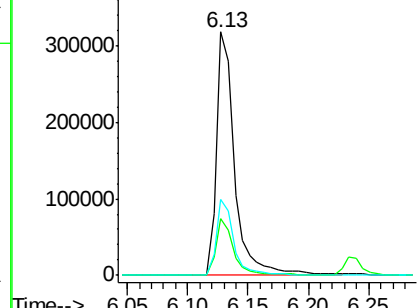
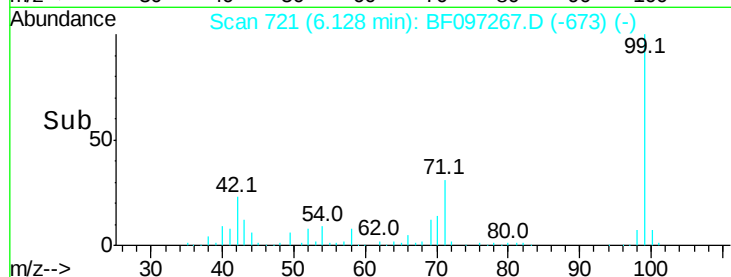
71 31.2 24.5 36.7



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: 9.484 ng

RT: 6.15 min Scan# 724

Delta R.T. -0.01 min

Lab File: BF097267.D

Acq: 2 Aug 2017 11:09

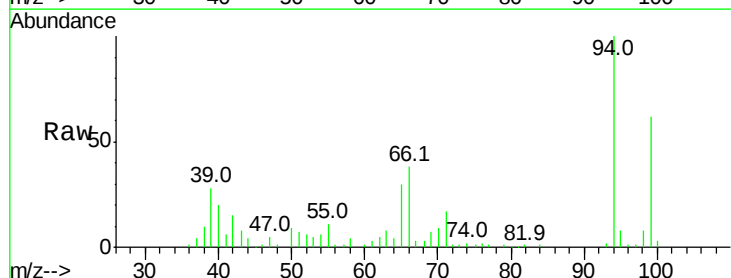
Tgt Ion: 94 Resp: 98775

Ion Ratio Lower Upper

94 100

65 30.1 9.9 49.9

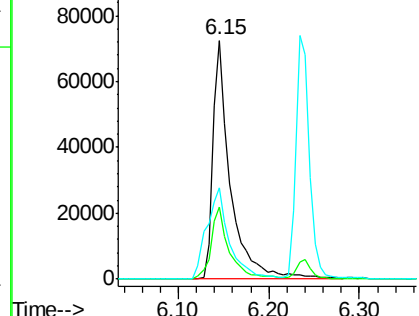
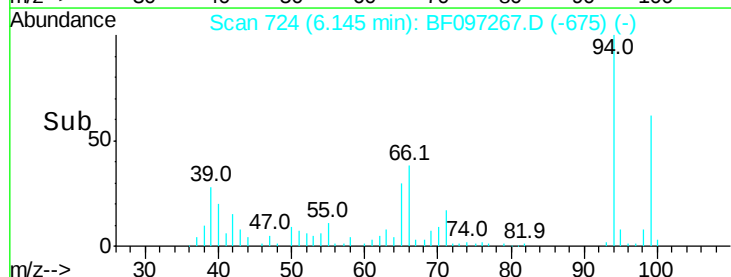
66 38.2 23.1 63.1

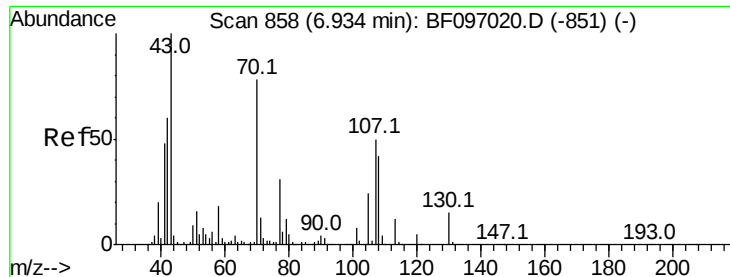


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

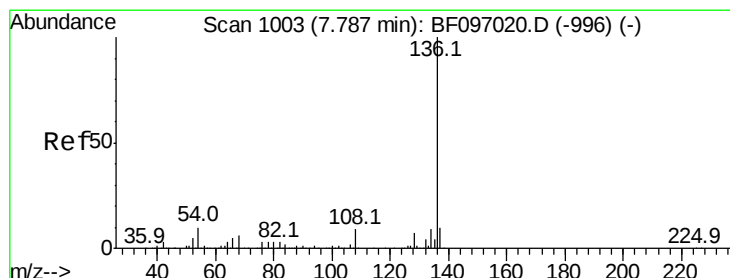
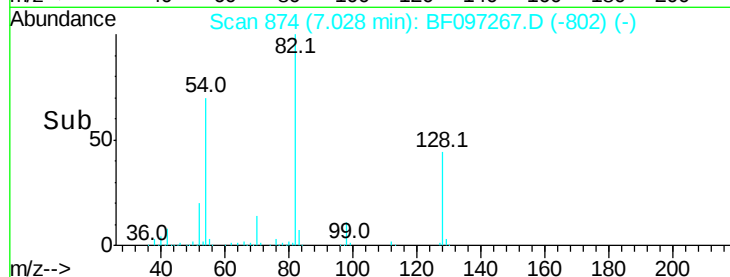
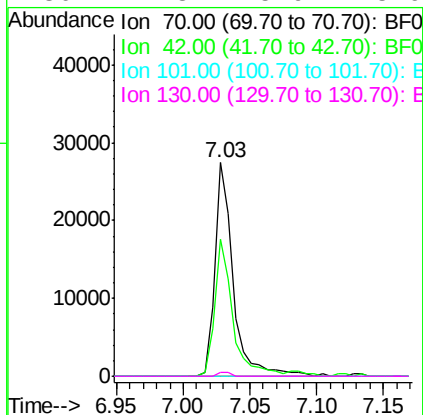
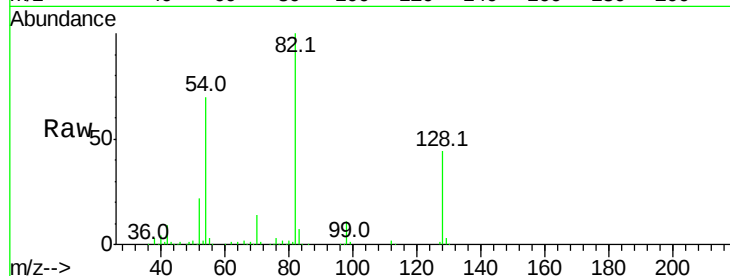




#19
n-Nitroso-di-n-propylamine
Concen: 4.595 ng
RT: 7.03 min Scan# 874
Delta R.T. 0.12 min
Lab File: BF097267.D
Acq: 2 Aug 2017 11:09

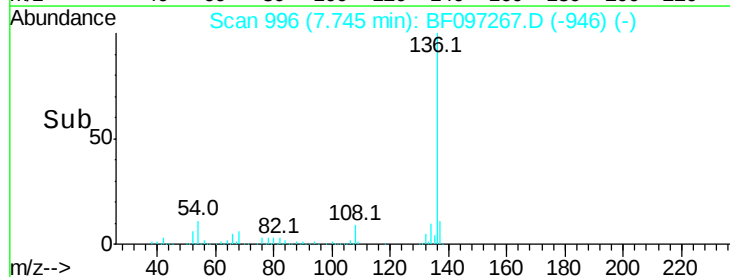
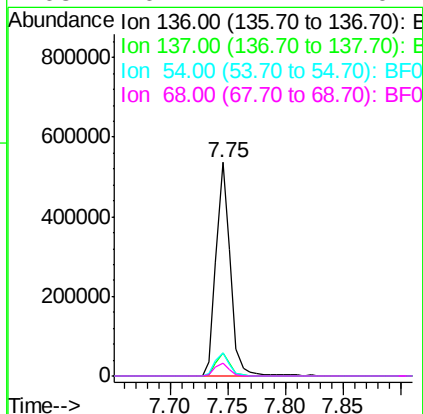
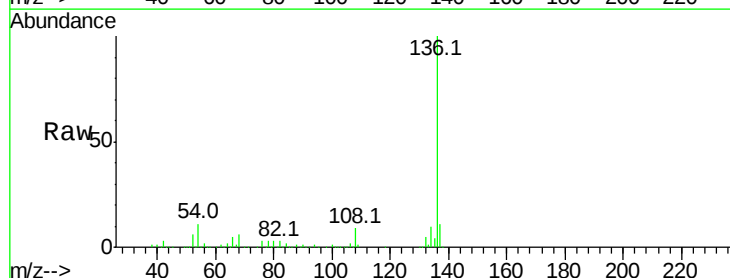
Instrument :
BNA_F
ClientSampleId :

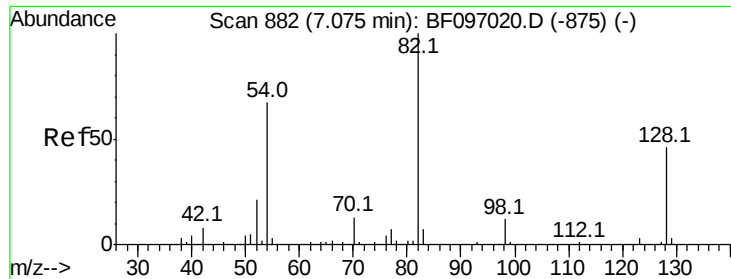
Tot Ion: 70 Resp: 26559
Ion Ratio Lower Upper
70 100
42 63.9 47.2 70.8
101 0.0 7.2 10.8#
130 1.8 15.9 23.9#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.75 min Scan# 996
Delta R.T. -0.01 min
Lab File: BF097267.D
Acq: 2 Aug 2017 11:09

Tgt Ion:136 Resp: 459102
Ion Ratio Lower Upper
136 100
137 10.7 8.5 12.7
54 10.8 4.9 7.3#
68 6.2 4.1 6.1#

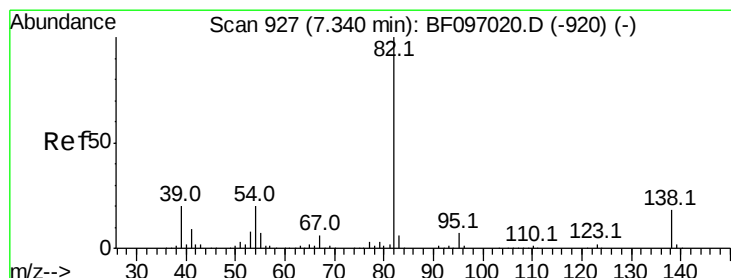
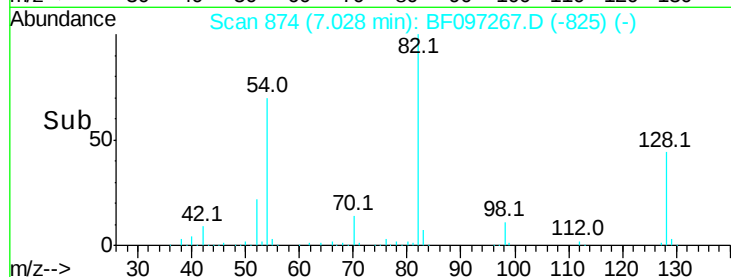
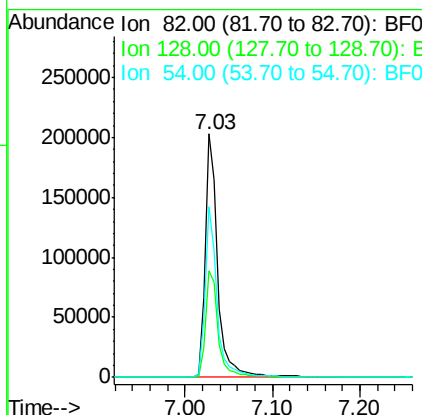
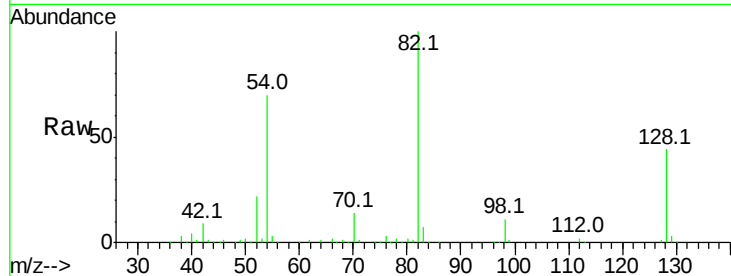




#23
Nitrobenzene-d5
Concen: 25.922 ng
RT: 7.03 min Scan# 874
Delta R.T. -0.01 min
Lab File: BF097267.D
Acq: 2 Aug 2017 11:09

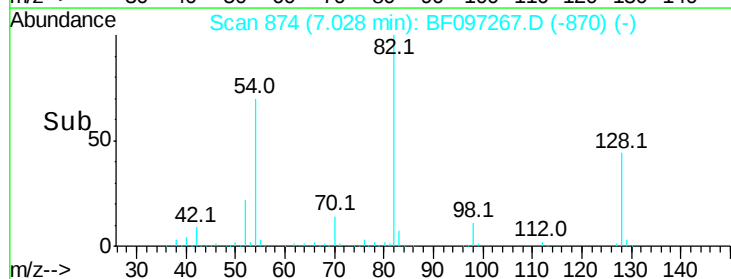
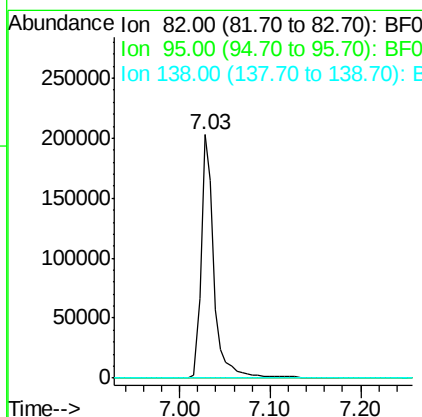
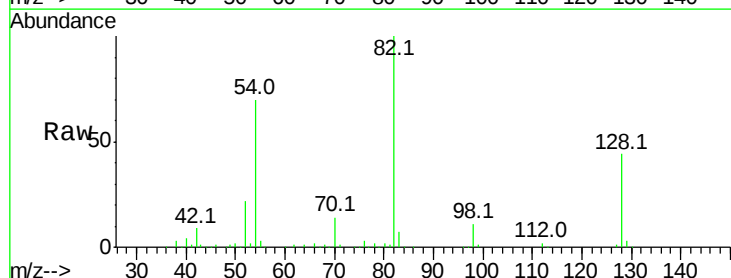
Instrument :
BNA_F
ClientSampled :

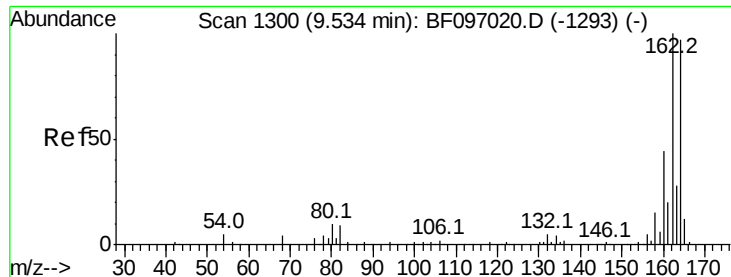
Tot Ion: 82 Resp: 202864
Ion Ratio Lower Upper
82 100
128 43.7 34.0 51.0
54 70.0 42.2 63.2#



#25
Isophorone
Concen: 13.236 ng
RT: 7.03 min Scan# 874
Delta R.T. -0.28 min
Lab File: BF097267.D
Acq: 2 Aug 2017 11:09

Tgt Ion: 82 Resp: 202862
Ion Ratio Lower Upper
82 100
95 0.0 5.3 7.9#
138 0.0 13.1 19.7#

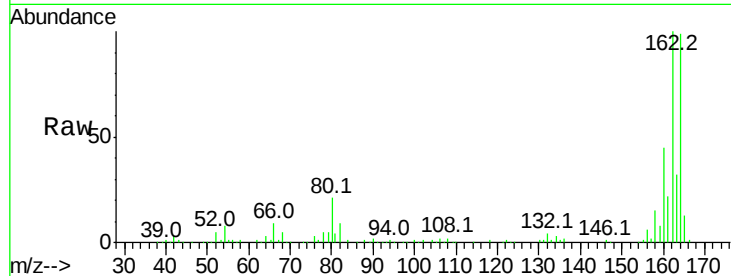




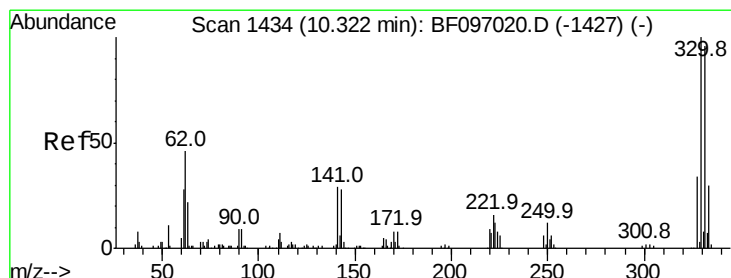
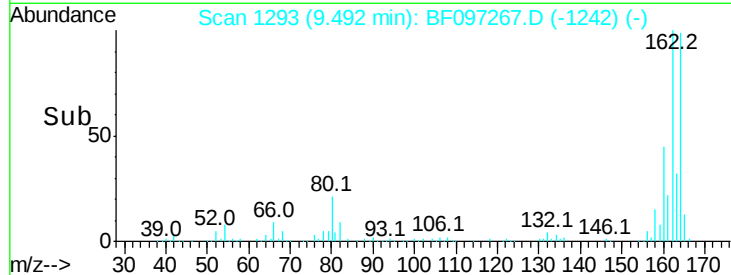
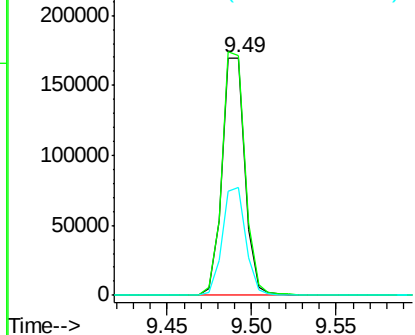
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.49 min Scan# 1293
 Delta R.T. 0.00 min
 Lab File: BF097267.D
 Acq: 2 Aug 2017 11:09

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:164 Resp: 160740
 Ion Ratio Lower Upper
 164 100
 162 100.8 82.6 123.8
 160 45.2 36.2 54.2

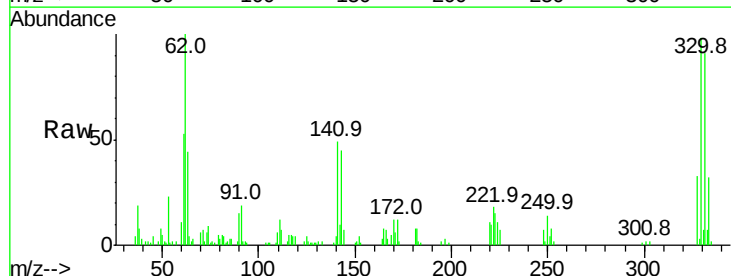


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

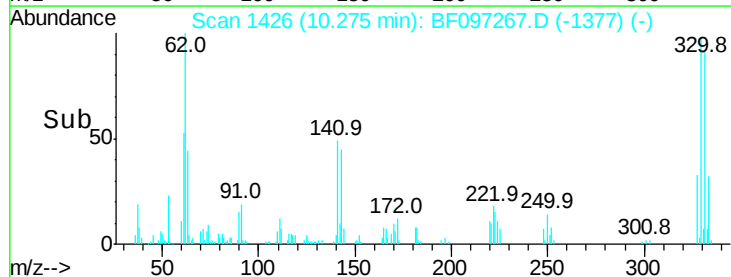
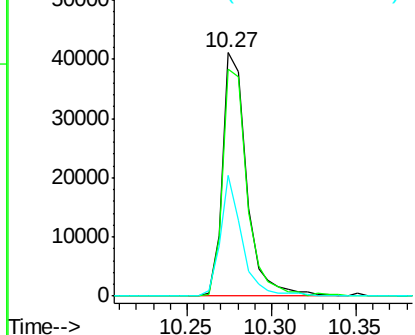


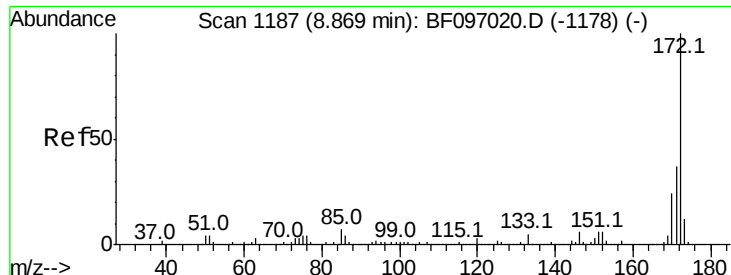
#41
 2,4,6-Tribromophenol
 Concen: 32.451 ng
 RT: 10.27 min Scan# 1426
 Delta R.T. -0.01 min
 Lab File: BF097267.D
 Acq: 2 Aug 2017 11:09

Tgt Ion:330 Resp: 41213
 Ion Ratio Lower Upper
 330 100
 332 94.6 76.6 115.0
 141 44.1 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

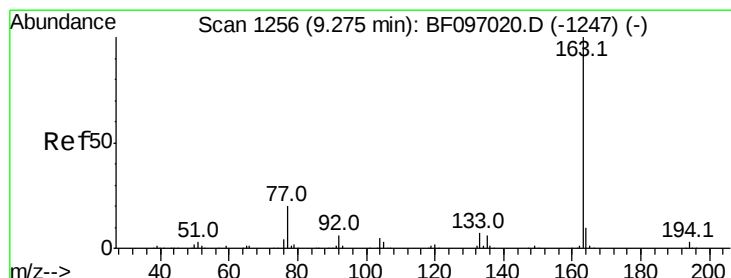
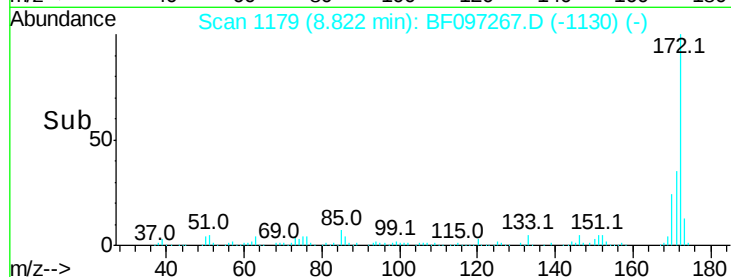
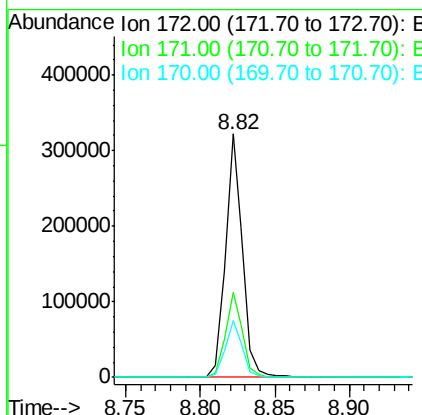
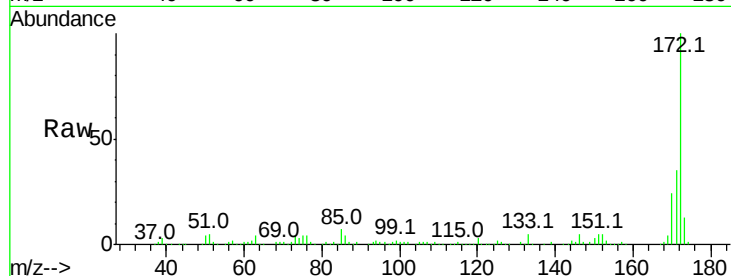




#44
2-Fluorobiphenyl
Concen: 27.400 ng
RT: 8.82 min Scan# 1179
Delta R.T. -0.01 min
Lab File: BF097267.D
Acq: 2 Aug 2017 11:09

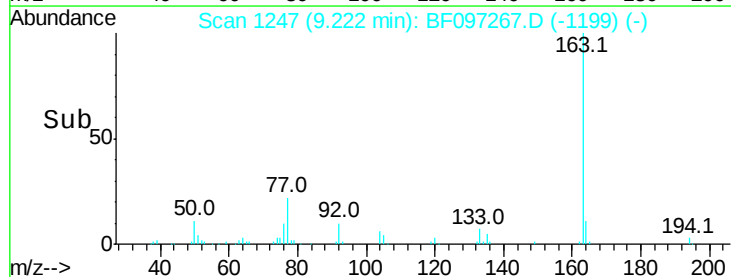
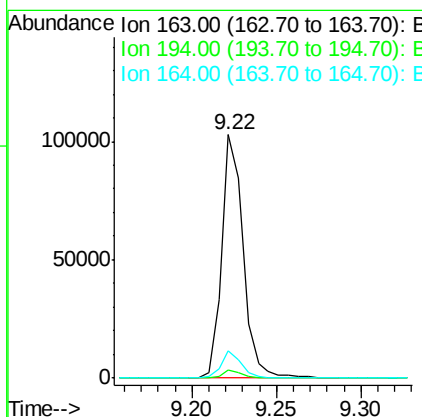
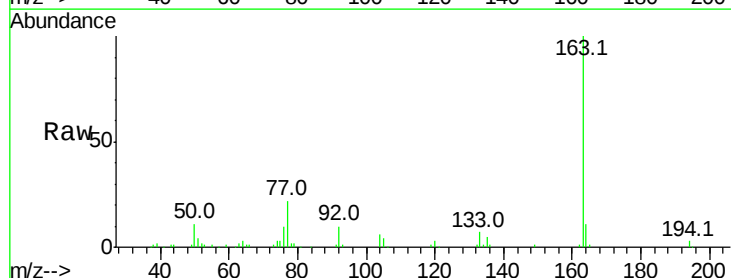
Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.1	29.6	44.4
170	23.5	19.8	29.8



#49
Dimethylphthalate
Concen: 7.503 ng
RT: 9.22 min Scan# 1247
Delta R.T. -0.02 min
Lab File: BF097267.D
Acq: 2 Aug 2017 11:09

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.1	2.6	4.0
164	11.1	8.4	12.6

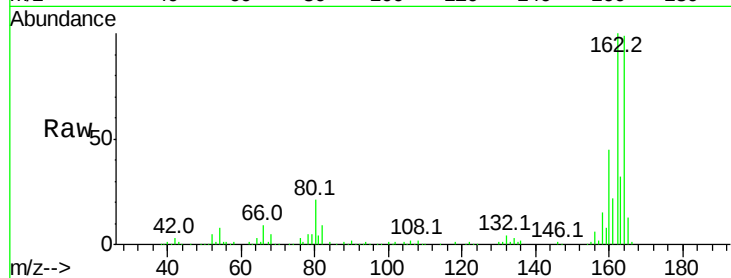




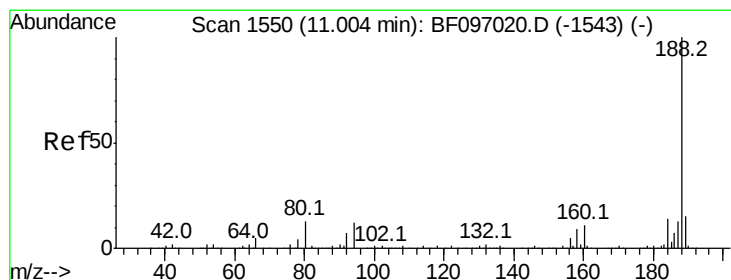
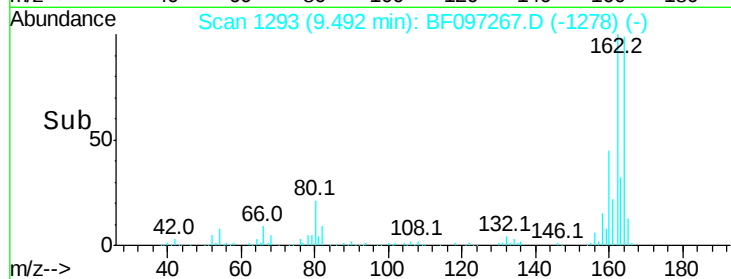
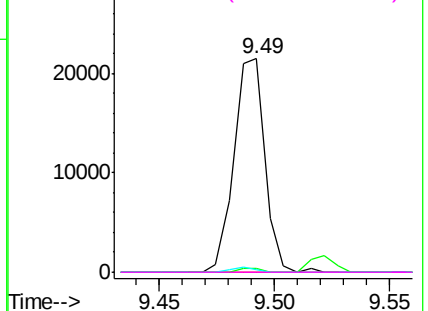
#56
 2,4-Dinitrotoluene
 Concen: 6.771 ng
 RT: 9.49 min Scan# 1293
 Delta R.T. -0.21 min
 Lab File: BF097267.D
 Acq: 2 Aug 2017 11:09

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:165 Resp: 20150
 Ion Ratio Lower Upper
 165 100
 63 2.1 25.4 38.0#
 89 1.5 46.4 69.6#
 182 0.0 1.8 2.6#

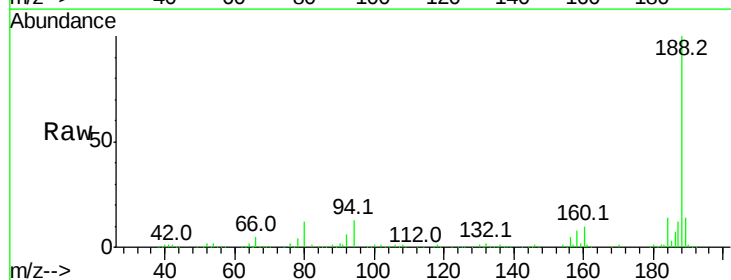


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0
 Ion 182.00 (181.70 to 182.70): E

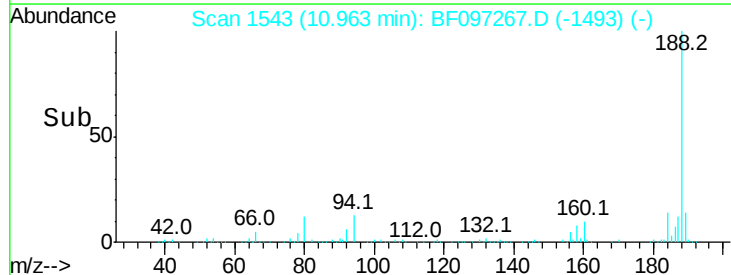
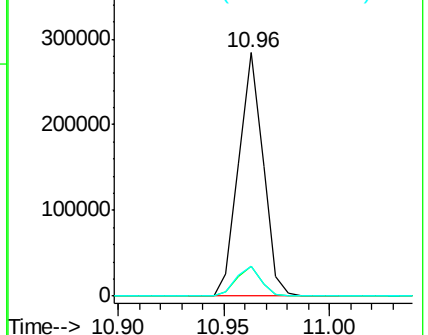


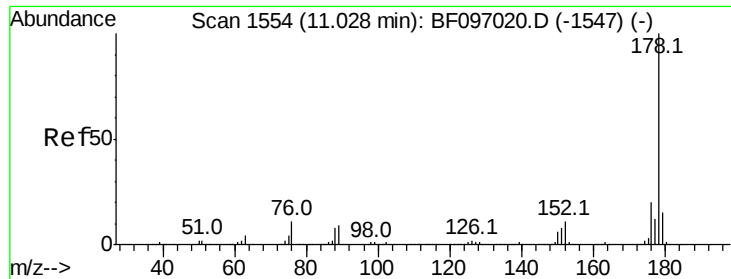
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 10.96 min Scan# 1543
 Delta R.T. -0.01 min
 Lab File: BF097267.D
 Acq: 2 Aug 2017 11:09

Tgt Ion:188 Resp: 227937
 Ion Ratio Lower Upper
 188 100
 94 12.5 9.4 14.2
 80 12.1 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

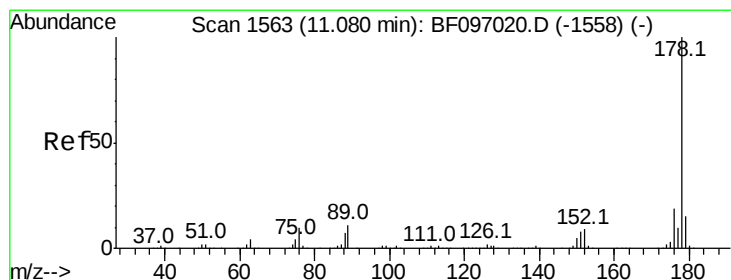
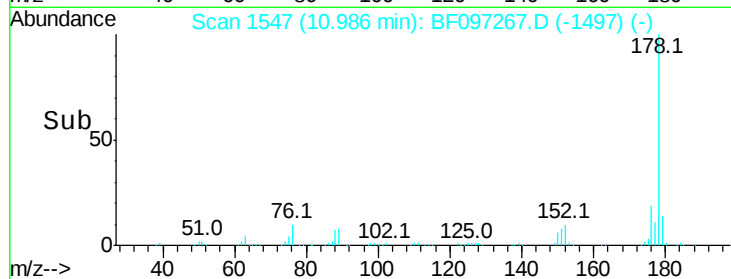
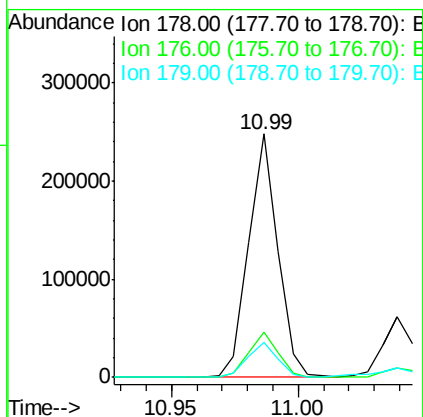
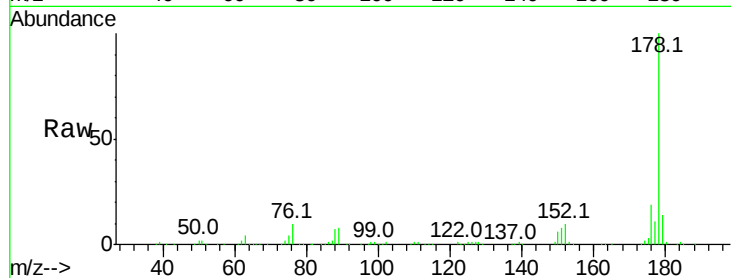




#70
 Phenanthrene
 Concen: 16.392 ng
 RT: 10.99 min Scan# 1547
 Delta R.T. -0.01 min
 Lab File: BF097267.D
 Acq: 2 Aug 2017 11:09

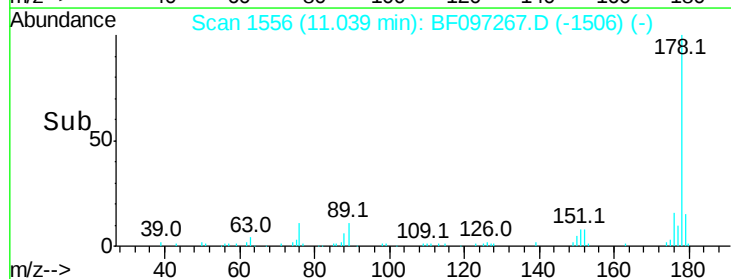
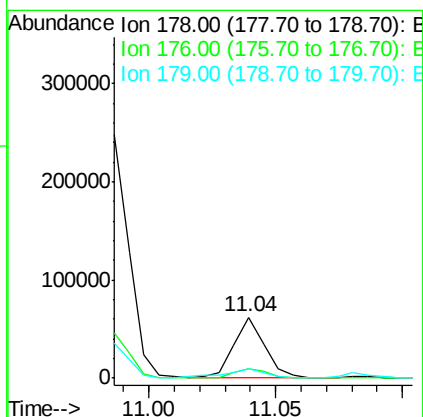
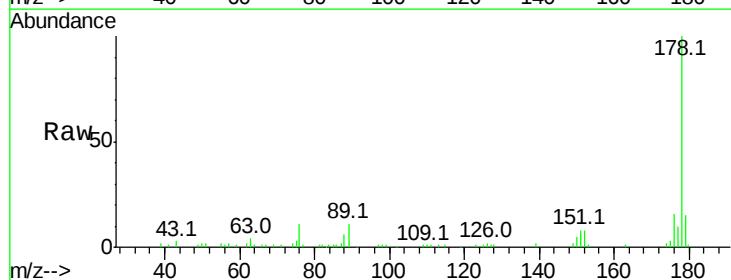
Instrument :
 BNA_F
 ClientSampleId :

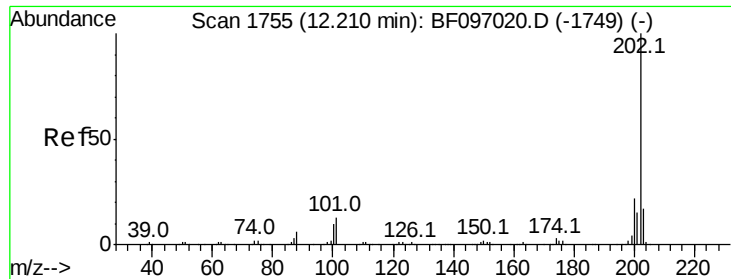
Tot Ion:178 Resp: 200197
 Ion Ratio Lower Upper
 178 100
 176 18.6 16.2 24.4
 179 14.2 12.6 19.0



#71
 Anthracene
 Concen: 4.072 ng
 RT: 11.04 min Scan# 1556
 Delta R.T. -0.01 min
 Lab File: BF097267.D
 Acq: 2 Aug 2017 11:09

Tgt Ion:178 Resp: 50939
 Ion Ratio Lower Upper
 178 100
 176 16.4 15.8 23.8
 179 15.0 12.7 19.1





#74

Fluoranthene

Concen: 25.213 ng

RT: 12.17 min Scan# 1748

Delta R.T. -0.01 min

Lab File: BF097267.D

Acq: 2 Aug 2017 11:09

Instrument :

BNA_F

ClientSampleId :

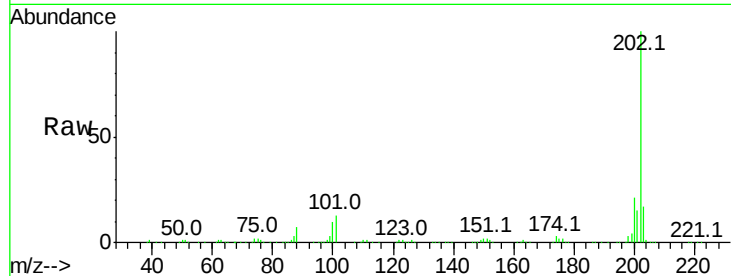
Tot Ion:202 Resp: 301665

Ion Ratio Lower Upper

202 100

101 13.4 0.0 33.2

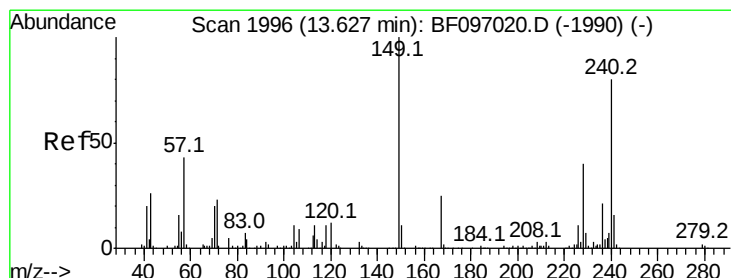
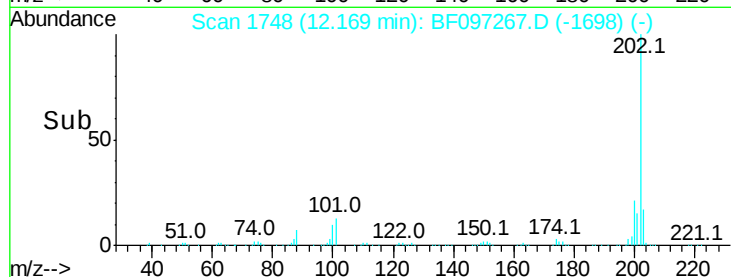
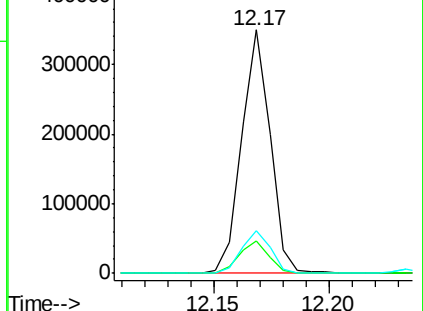
203 17.5 0.0 38.1



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: 13.59 min Scan# 1989

Delta R.T. -0.01 min

Lab File: BF097267.D

Acq: 2 Aug 2017 11:09

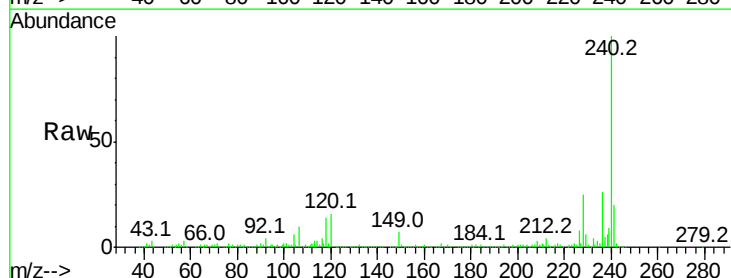
Tgt Ion:240 Resp: 215891

Ion Ratio Lower Upper

240 100

120 16.4 5.8 8.8#

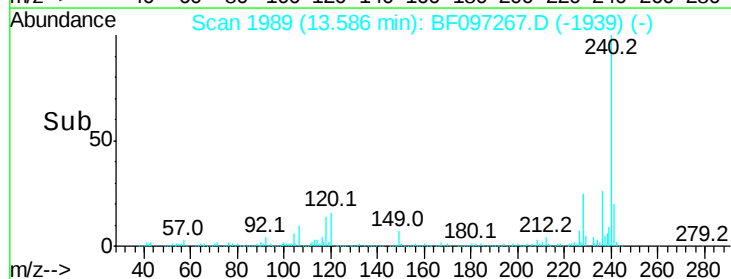
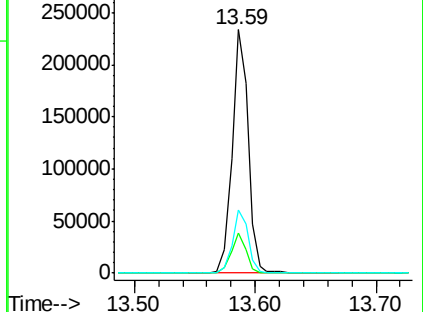
236 26.0 20.5 30.7

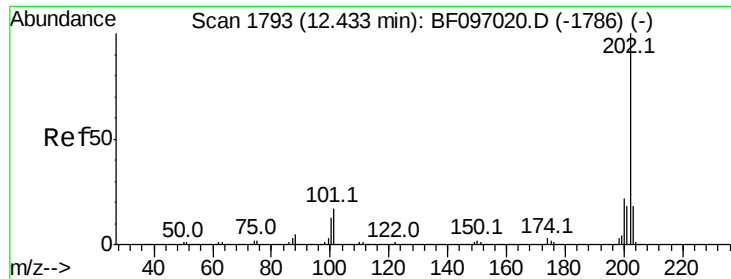


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

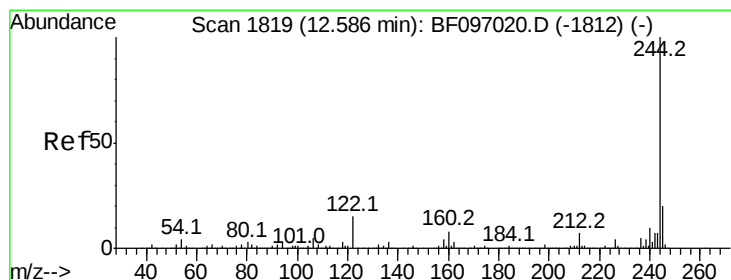
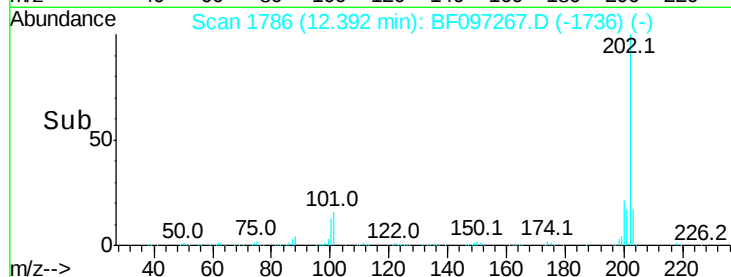
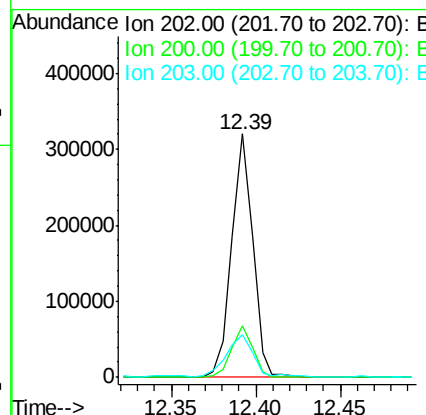
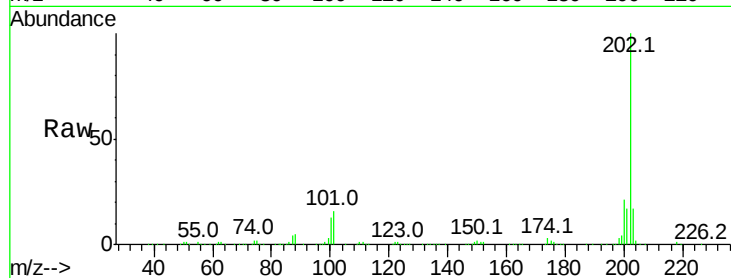




#77
Pvrene
Concen: 15.771 ng
RT: 12.39 min Scan# 1786
Delta R.T. -0.01 min
Lab File: BF097267.D
Acq: 2 Aug 2017 11:09

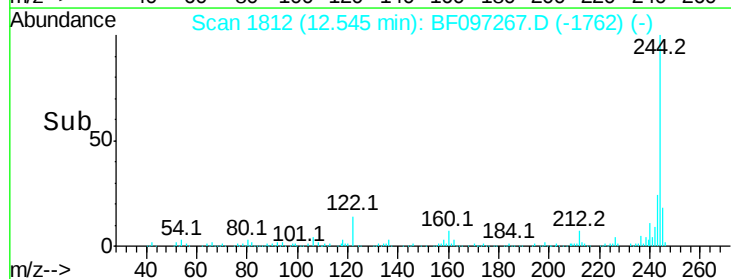
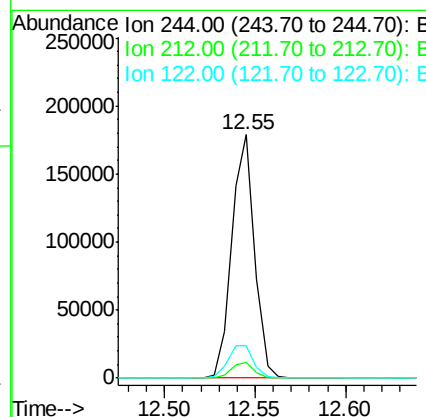
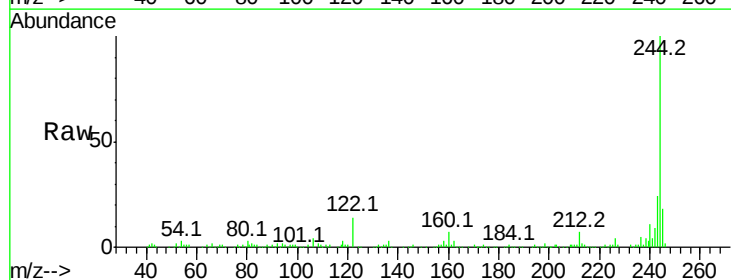
Instrument :
BNA_F
ClientSampleId :

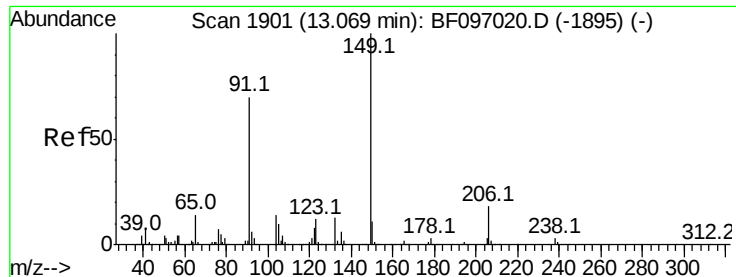
Tot Ion:202 Resp: 278745
Ion Ratio Lower Upper
202 100
200 21.1 17.6 26.4
203 17.3 14.4 21.6



#78
Terphenyl-d14
Concen: 14.699 ng
RT: 12.55 min Scan# 1812
Delta R.T. -0.01 min
Lab File: BF097267.D
Acq: 2 Aug 2017 11:09

Tgt Ion:244 Resp: 155650
Ion Ratio Lower Upper
244 100
212 6.6 6.0 9.0
122 13.6 10.3 15.5

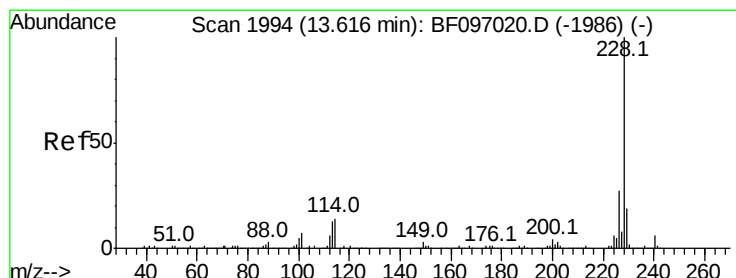
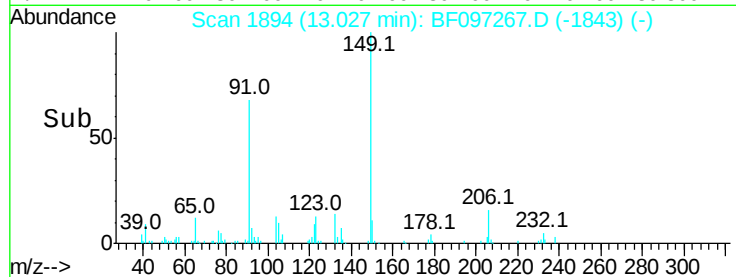
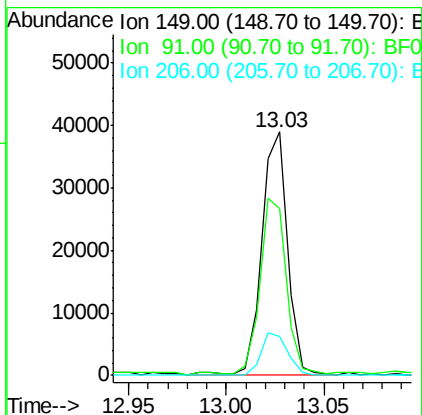
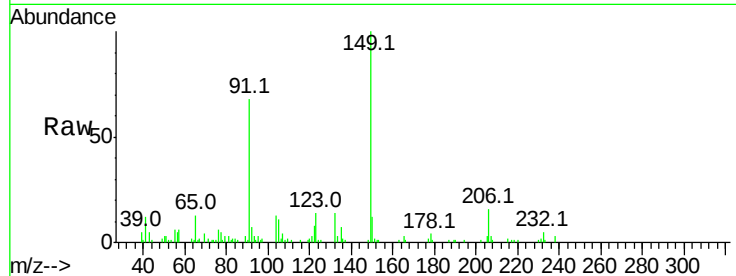




#79
Butylbenzylphthalate
Concen: 3.995 ng
RT: 13.03 min Scan# 1894
Delta R.T. 0.00 min
Lab File: BF097267.D
Acq: 2 Aug 2017 11:09

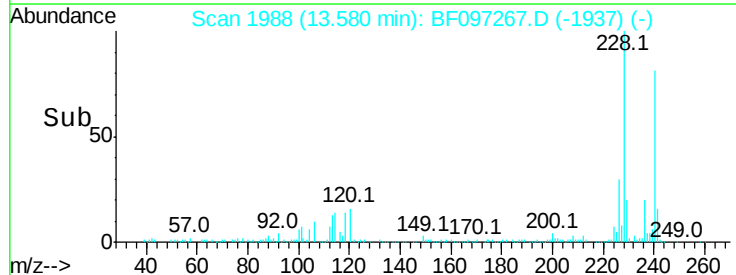
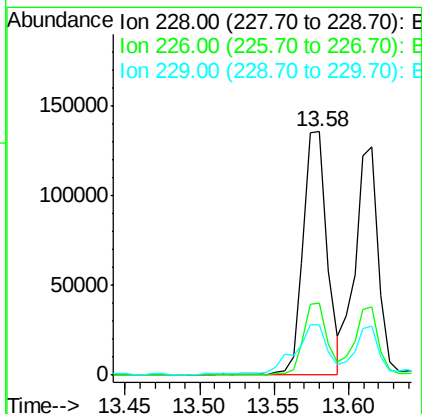
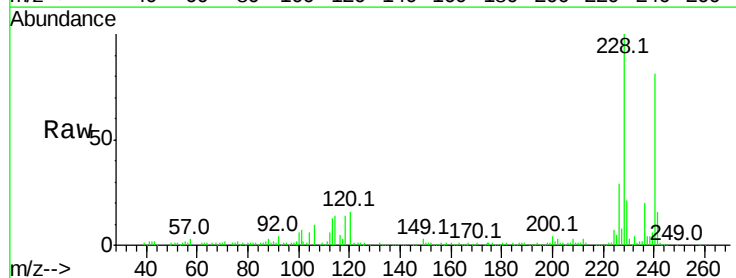
Instrument :
BNA_F
ClientSampled :

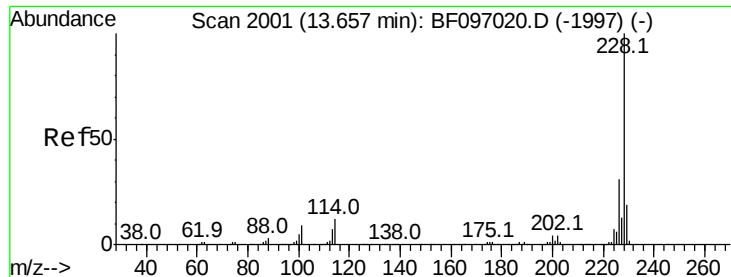
Tot Ion:149 Resp: 35917
Ion Ratio Lower Upper
149 100
91 68.4 45.0 67.4#
206 16.1 17.0 25.6#



#80
Benzo(a)anthracene
Concen: 10.878 ng
RT: 13.58 min Scan# 1988
Delta R.T. 0.00 min
Lab File: BF097267.D
Acq: 2 Aug 2017 11:09

Tgt Ion:228 Resp: 151957
Ion Ratio Lower Upper
228 100
226 29.4 22.6 33.8
229 20.5 16.3 24.5





#82

Chrysene

Concen: 10.246 ng

RT: 13.62 min Scan# 1994

Delta R.T. -0.01 min

Lab File: BF097267.D

Acq: 2 Aug 2017 11:09

Instrument :

BNA_F

ClientSampleId :

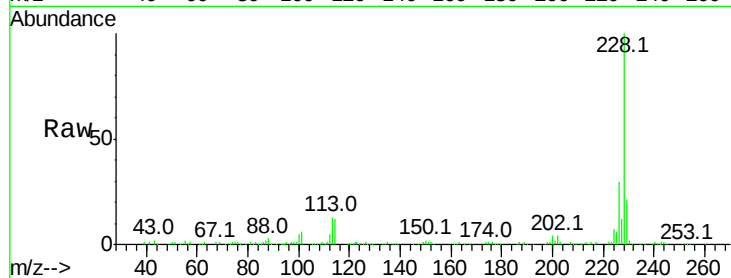
Tot Ion:228 Resp: 139753

Ion Ratio Lower Upper

228 100

226 29.7 24.9 37.3

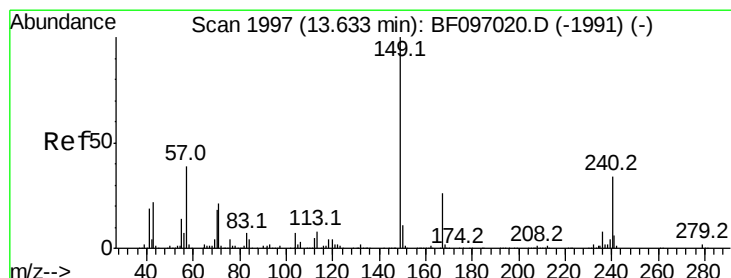
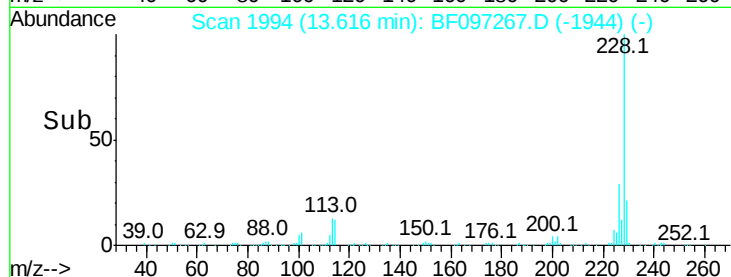
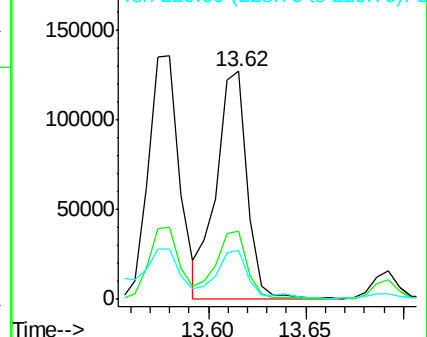
229 21.4 15.8 23.6



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#83

Bis(2-ethylhexyl)phthalate

Concen: 2.240 ng

RT: 13.59 min Scan# 1990

Delta R.T. -0.01 min

Lab File: BF097267.D

Acq: 2 Aug 2017 11:09

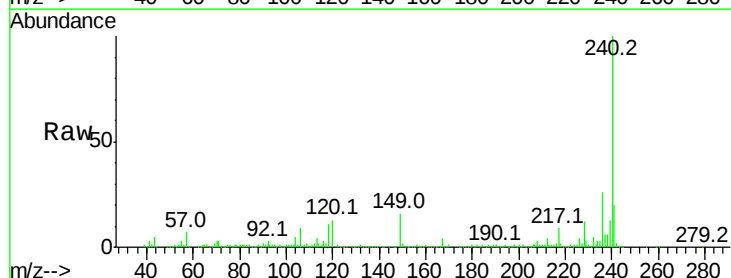
Tgt Ion:149 Resp: 26298

Ion Ratio Lower Upper

149 100

167 26.4 21.0 31.4

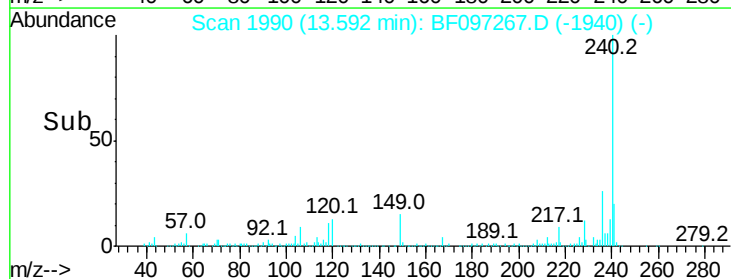
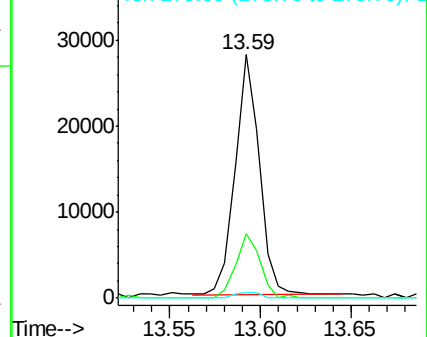
279 2.1 1.9 2.9

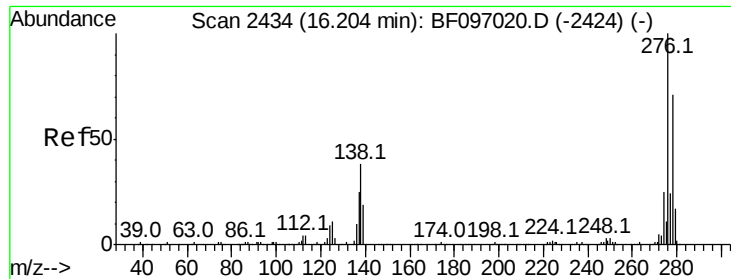


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

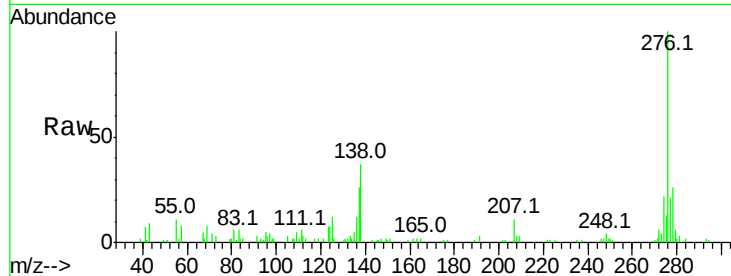




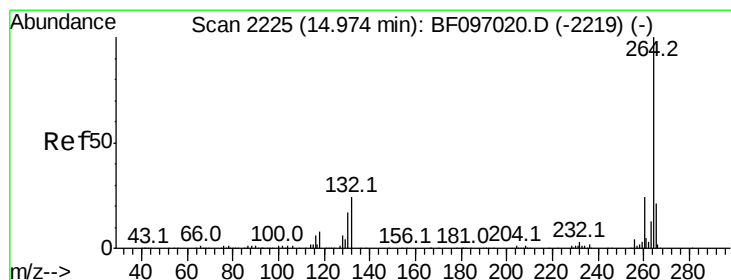
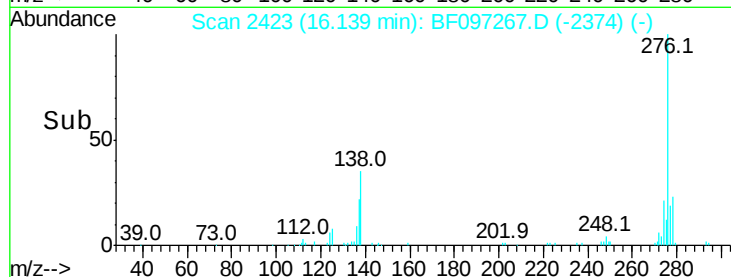
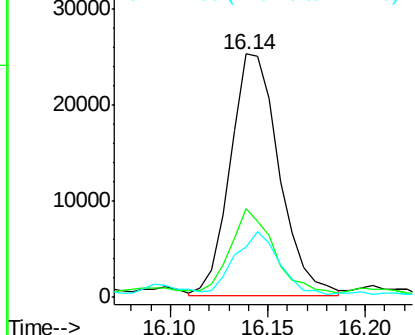
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 3.737 ng
 RT: 16.14 min Scan# 2423
 Delta R.T. -0.01 min
 Lab File: BF097267.D
 Acq: 2 Aug 2017 11:09

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:276 Resp: 43707
 Ion Ratio Lower Upper
 276 100
 138 31.0 27.8 41.6
 277 23.0 20.2 30.4

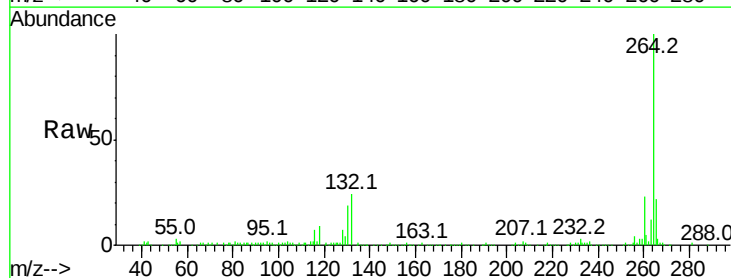


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

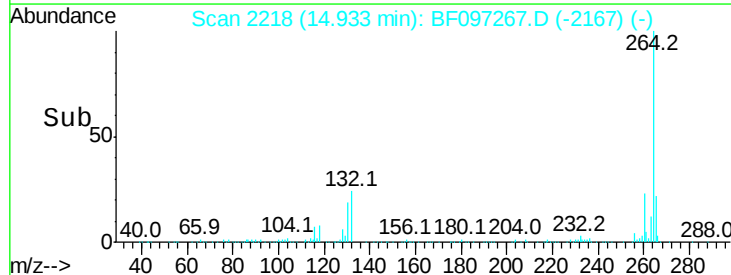
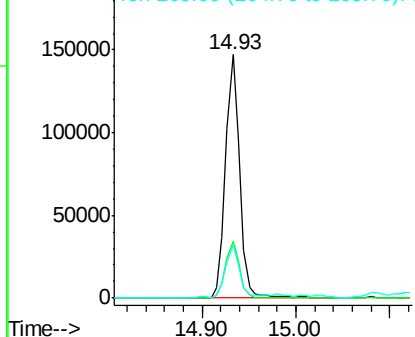


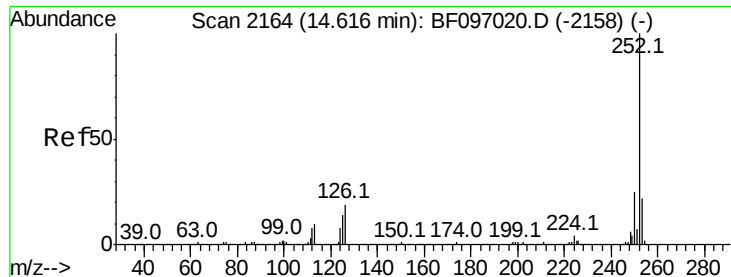
#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 14.93 min Scan# 2218
 Delta R.T. 0.00 min
 Lab File: BF097267.D
 Acq: 2 Aug 2017 11:09

Tgt Ion:264 Resp: 154670
 Ion Ratio Lower Upper
 264 100
 260 23.2 19.5 29.3
 265 22.0 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: 19.769 ng

RT: 14.58 min Scan# 2158

Delta R.T. 0.00 min

Lab File: BF097267.D

Acq: 2 Aug 2017 11:09

Instrument :

BNA_F

ClientSampleId :

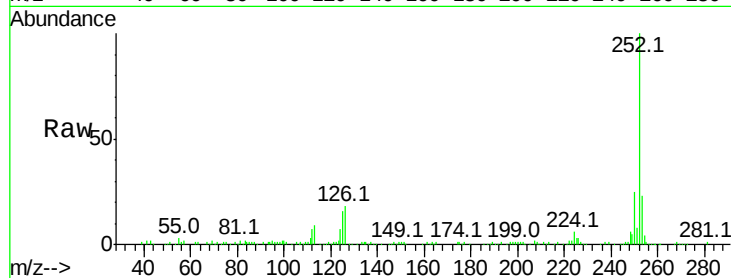
Tot Ion:252 Resp: 183804

Ion Ratio Lower Upper

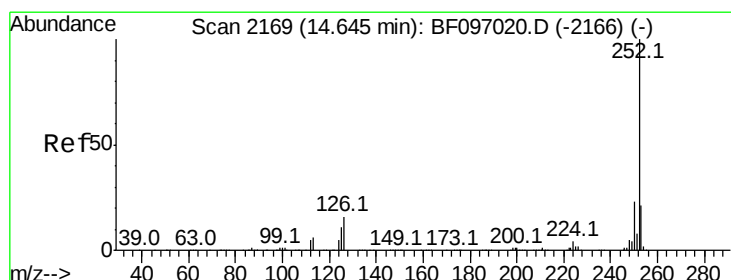
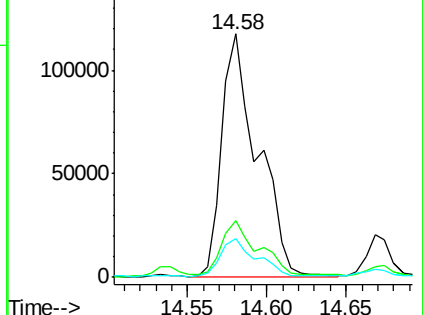
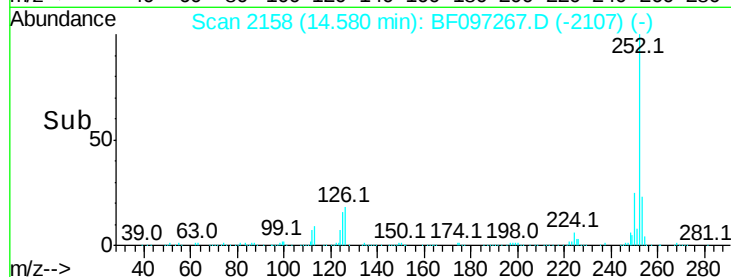
252 100

253 23.2 18.1 27.1

125 16.0 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



#88

Benzo(k)fluoranthene

Concen: 20.746 ng

RT: 14.58 min Scan# 2158

Delta R.T. -0.03 min

Lab File: BF097267.D

Acq: 2 Aug 2017 11:09

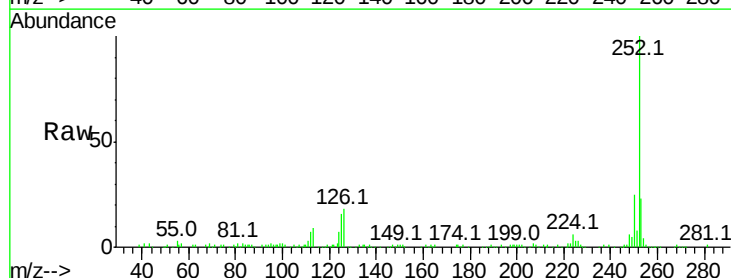
Tgt Ion:252 Resp: 183804

Ion Ratio Lower Upper

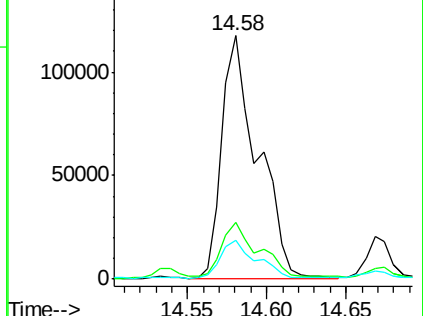
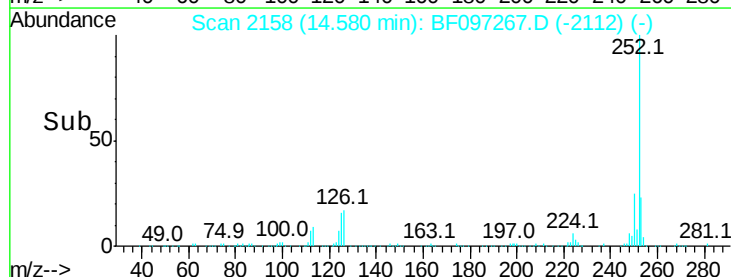
252 100

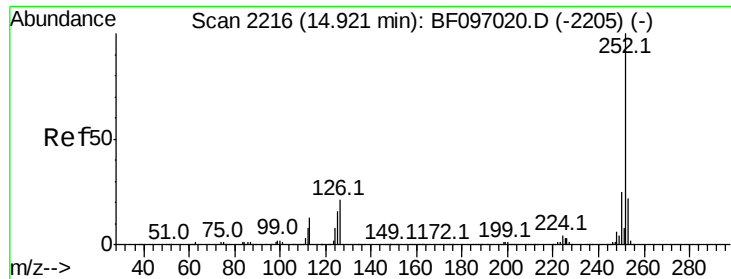
253 23.2 18.4 27.6

125 16.0 13.1 19.7



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

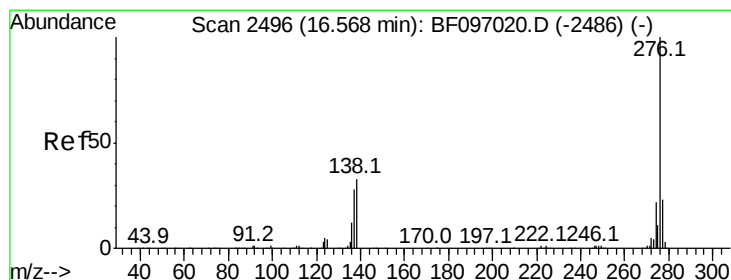
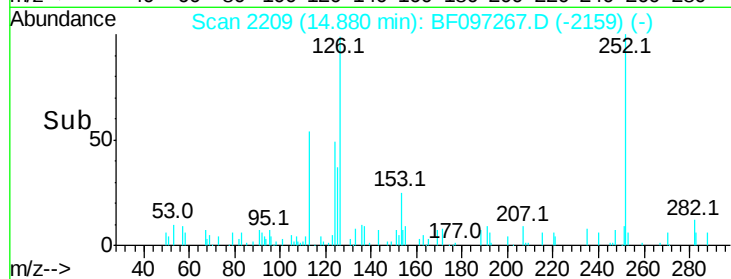
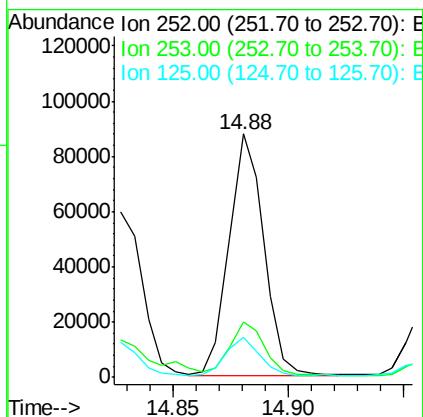
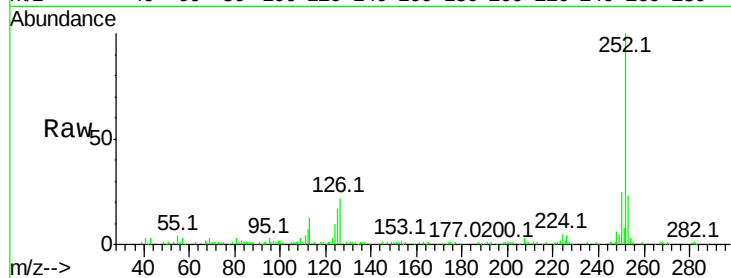




#89
Benzo(a)pyrene
Concen: 10.952 ng
RT: 14.88 min Scan# 2209
Delta R.T. -0.01 min
Lab File: BF097267.D
Acq: 2 Aug 2017 11:09

Instrument :
BNA_F
ClientSampled :

Tot Ion:252 Resp: 93196
Ion Ratio Lower Upper
252 100
253 22.5 17.5 26.3
125 16.6 11.0 16.4#



#91
Benzo(g,h,i)perylene
Concen: 5.857 ng
RT: 16.50 min Scan# 2485
Delta R.T. -0.01 min
Lab File: BF097267.D
Acq: 2 Aug 2017 11:09

Tgt Ion:276 Resp: 42860
Ion Ratio Lower Upper
276 100
277 23.0 18.6 28.0
138 34.0 25.4 38.0

