

Data Path : U:\HPCHEM1\BNA F\DATA\BF082317\
 Data File : BF097998.D
 Acq On : 23 Aug 2017 15:16
 Operator : SJ/JU
 Sample : I4908-04
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 23 17:50:08 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 21 15:59:04 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.74	152	141130	20.00	ng	-0.01
21) Naphthalene-d8	8.02	136	564340	20.00	ng	-0.01
38) Acenaphthene-d10	9.77	164	236376	20.00	ng	-0.01
63) Phenanthrene-d10	11.25	188	390405	20.00	ng	-0.01
75) Chrysene-d12	13.89	240	296096	20.00	ng	-0.01
86) Perylene-d12	15.30	264	260996	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.35	112	1075390	115.90	ng	0.00
7) Phenol-d6	6.38	99	1467847	116.44	ng	0.00
23) Nitrobenzene-d5	7.30	82	903428	86.97	ng	-0.02
41) 2,4,6-Tribromophenol	10.56	330	187967	91.65	ng	-0.01
44) 2-Fluorobiphenyl	9.10	172	1238038	76.95	ng	0.00
78) Terphenyl-d14	12.84	244	800257	56.36	ng	-0.01

Target Compounds

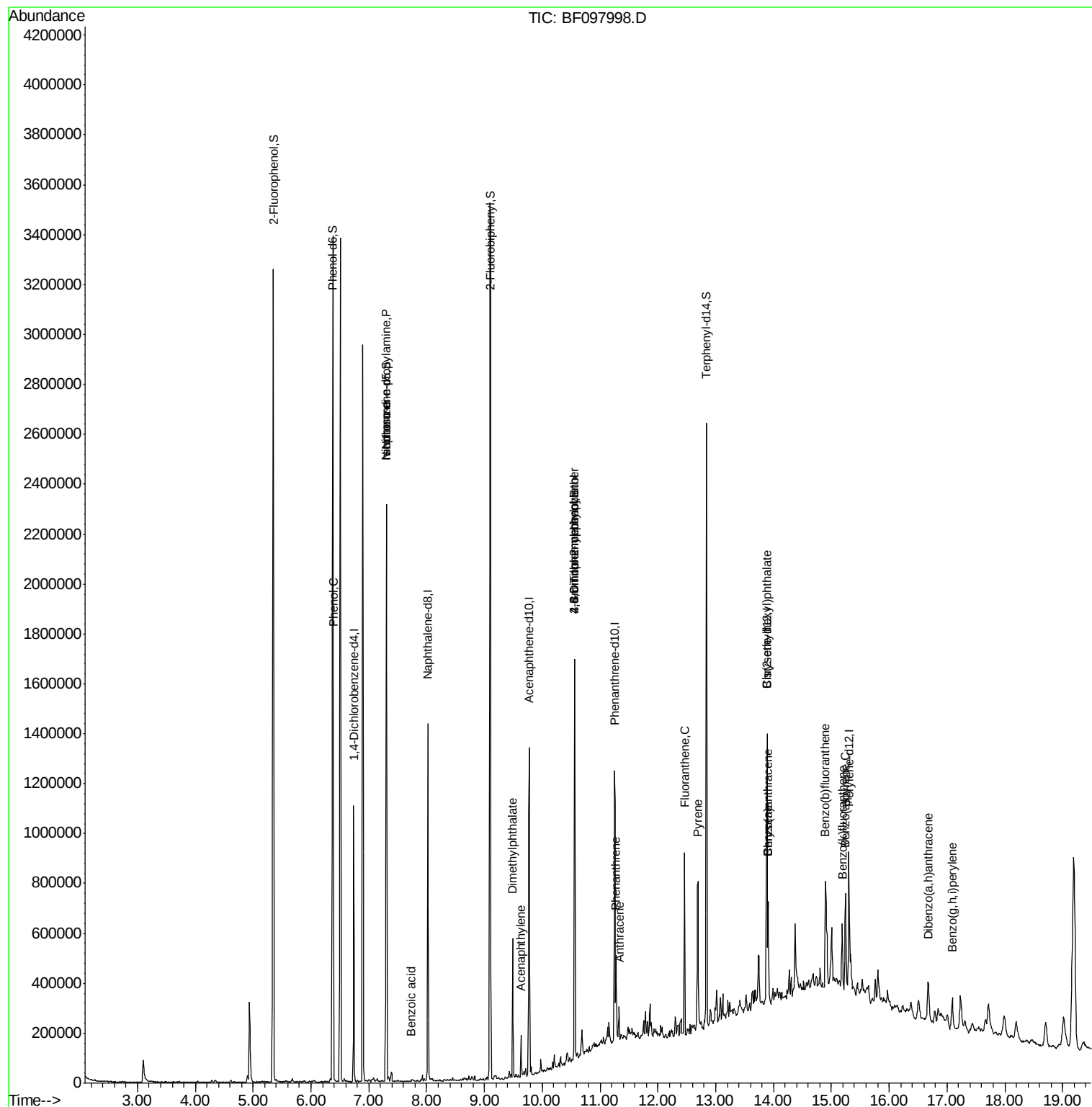
						Qvalue
10) Phenol	6.39	94	34598	2.347	ng	86
19) n-Nitroso-di-n-propylamine	7.30	70	123744	14.339	ng	# 72
25) Isophorone	7.30	82	892383	41.312	ng	# 67
32) Benzoic acid	7.72	122	767	6.506	ng	89
48) Acenaphthylene	9.63	152	53058	2.121	ng	99
49) Dimethylphthalate	9.49	163	173038	10.015	ng	98
64) 4,6-Dinitro-2-methylphenol	10.56	198	293	8.452	ng	# 1
66) 4-Bromophenyl-phenylether	10.56	248	12476	3.077	ng	# 1
70) Phenanthrene	11.27	178	112536	5.409	ng	98
71) Anthracene	11.33	178	42301	2.005	ng	98
74) Fluoranthene	12.46	202	272064	12.529	ng	99
77) Pyrene	12.69	202	259949	10.734	ng	99
80) Benzo(a)anthracene	13.91	228	153538	8.652	ng	94
82) Chrysene	13.91	228	153538	8.697	ng	96
83) Bis(2-ethylhexyl)phthalate	13.88	149	35321	3.433	ng	# 97
87) Benzo(b)fluoranthene	14.90	252	313990	19.086	ng	99
88) Benzo(k)fluoranthene	15.19	252	112373	7.270	ng	98
89) Benzo(a)pyrene	15.24	252	166007	11.398	ng	97
90) Dibenzo(a,h)anthracene	16.69	278	24811	2.093	ng	# 89
91) Benzo(a,h,i)perylene	17.09	276	98343	7.949	ng	# 92

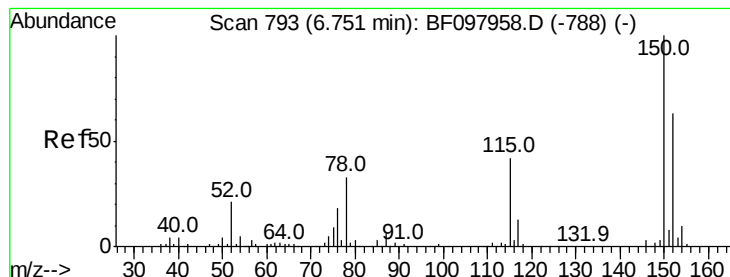
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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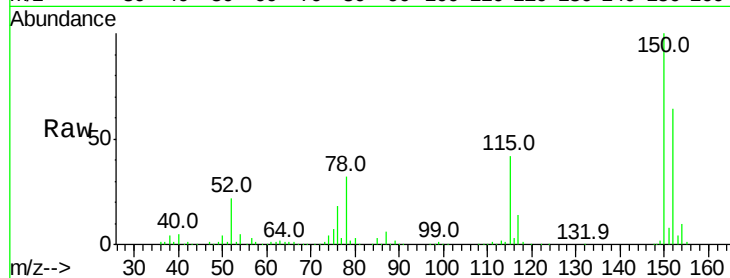


#1

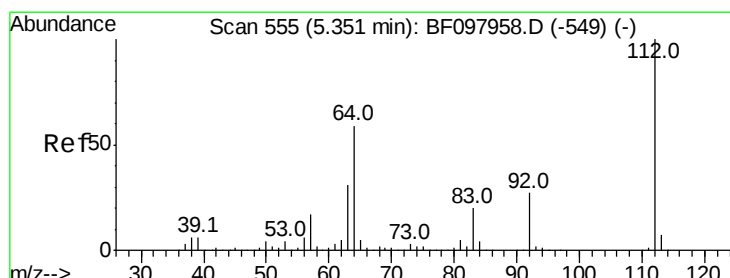
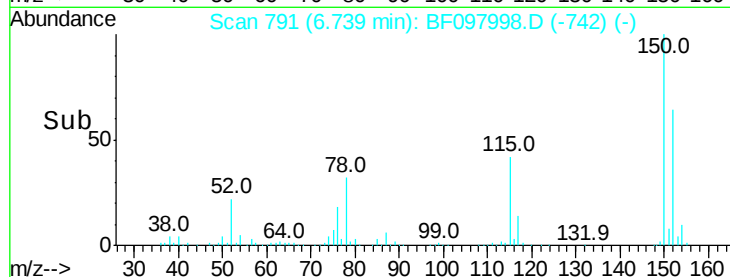
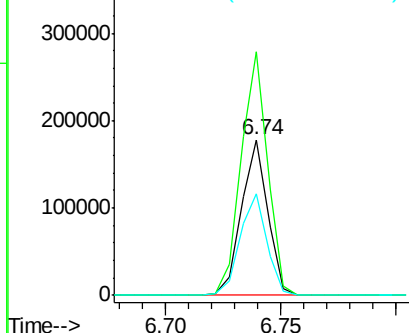
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.74 min Scan# 791
Delta R.T. -0.01 min
Lab File: BF097998.D
Acq: 23 Aug 2017 15:16

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 141130
Ion Ratio Lower Upper
152 100
150 156.6 126.2 189.2
115 65.4 52.2 78.2



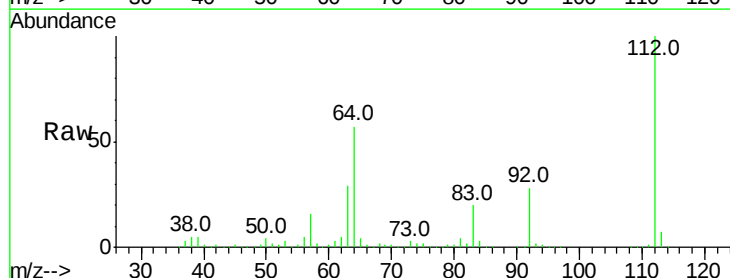
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



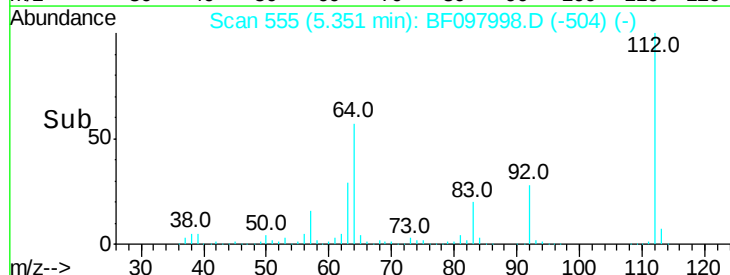
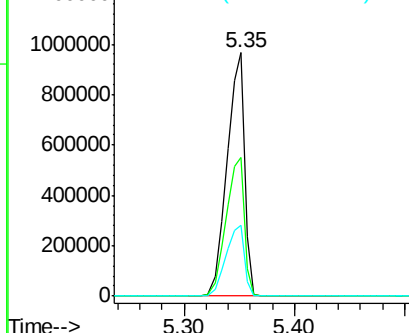
#5

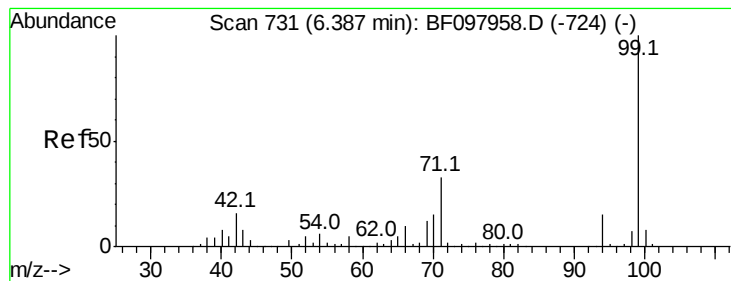
2-Fluorophenol
Concen: 115.904 ng
RT: 5.35 min Scan# 555
Delta R.T. 0.00 min
Lab File: BF097998.D
Acq: 23 Aug 2017 15:16

Tgt Ion:112 Resp: 1075390
Ion Ratio Lower Upper
112 100
64 56.9 46.0 69.0
63 29.2 23.4 35.0



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF0
Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 116.435 ng

RT: 6.38 min Scan# 730

Delta R.T. -0.01 min

Lab File: BF097998.D

Acq: 23 Aug 2017 15:16

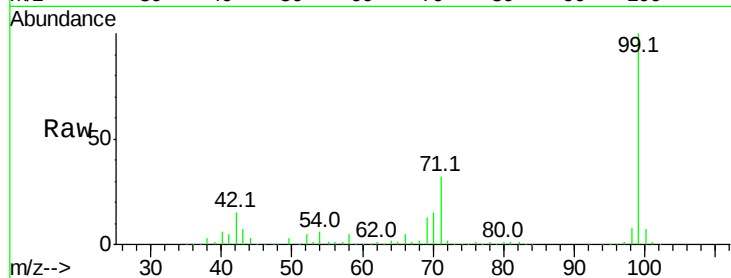
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 1467847

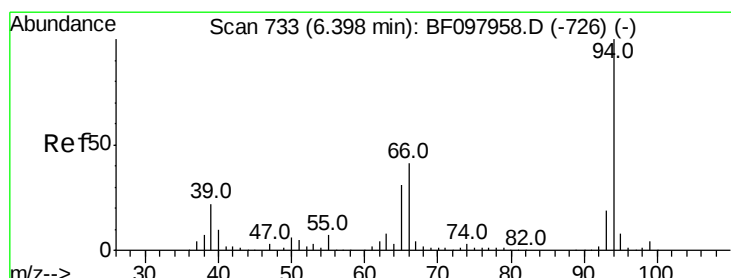
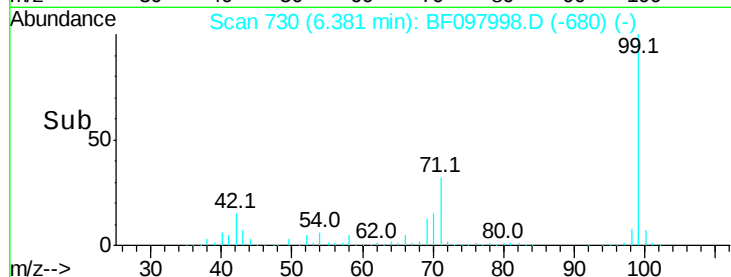
Ion	Ratio	Lower	Upper
99	100		
42	15.2	13.5	20.3
71	32.4	24.5	36.7



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: 2.347 ng

RT: 6.39 min Scan# 732

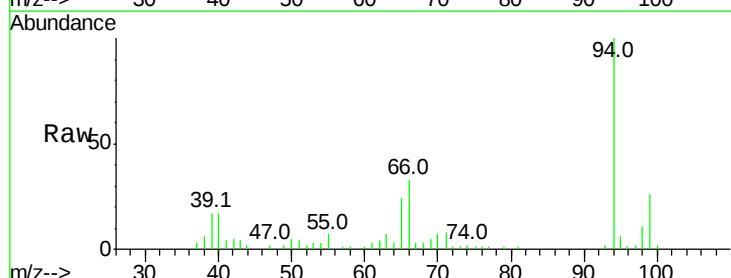
Delta R.T. -0.01 min

Lab File: BF097998.D

Acq: 23 Aug 2017 15:16

Tgt Ion: 94 Resp: 34598

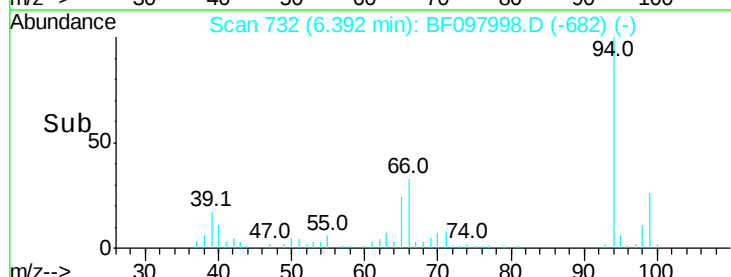
Ion	Ratio	Lower	Upper
94	100		
65	24.3	9.9	49.9
66	32.9	23.1	63.1

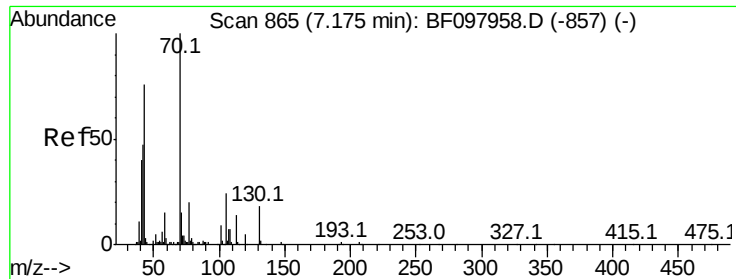


Abundance Ion 94.00 (93.70 to 94.70): BF0

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: 14.339 ng

RT: 7.30 min Scan# 887

Delta R.T. 0.13 min

Lab File: BF097998.D

Acq: 23 Aug 2017 15:16

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 70 Resp: 123744

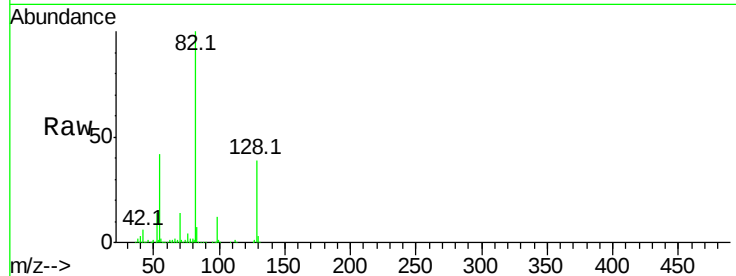
Ion Ratio Lower Upper

70 100

42 40.7 47.2 70.8#

101 0.0 7.2 10.8#

130 2.1 15.9 23.9#

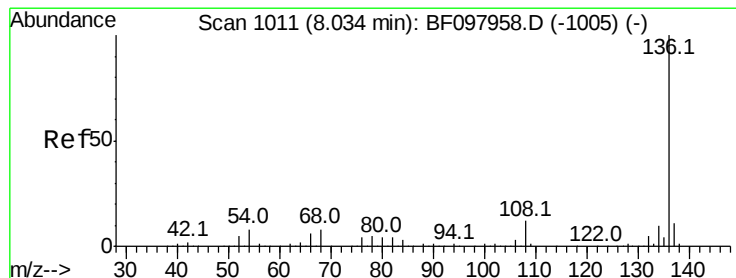
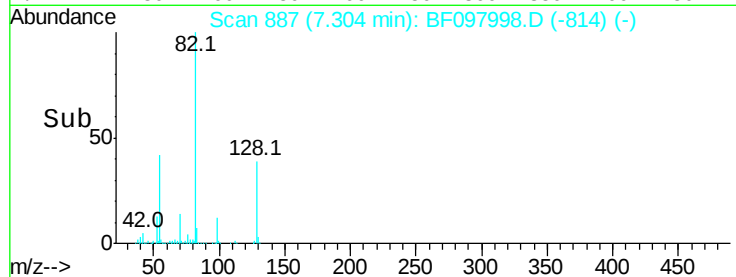
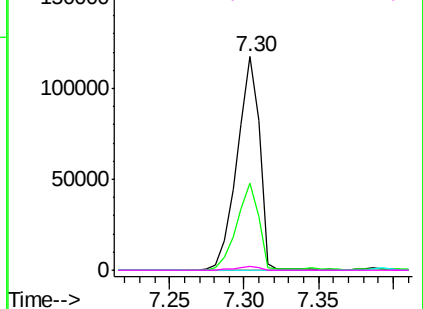


Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.02 min Scan# 1009

Delta R.T. -0.01 min

Lab File: BF097998.D

Acq: 23 Aug 2017 15:16

Tgt Ion: 136 Resp: 564340

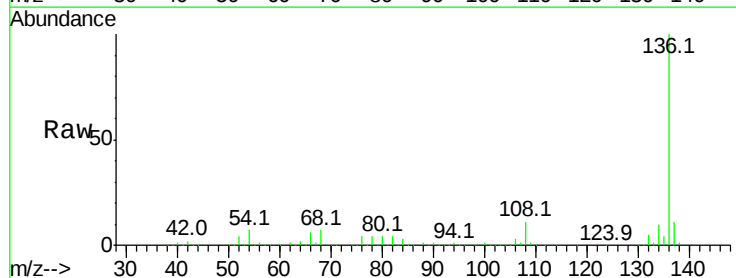
Ion Ratio Lower Upper

136 100

137 11.0 8.5 12.7

54 7.5 4.9 7.3#

68 7.1 4.1 6.1#

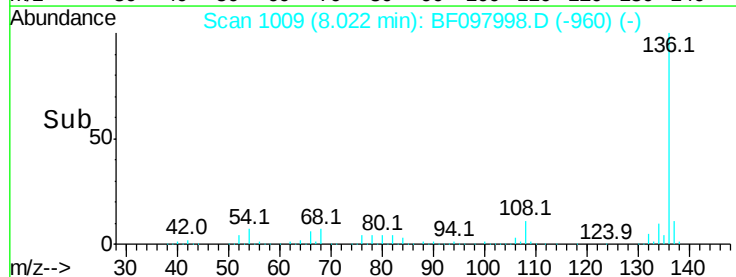
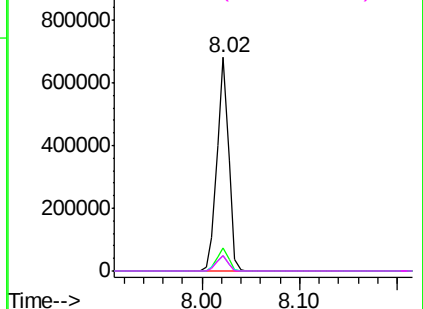


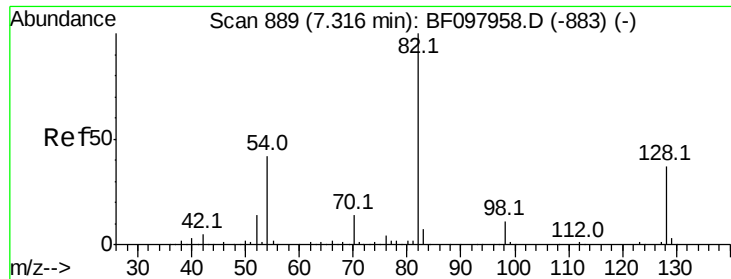
Abundance Ion 136.00 (135.70 to 136.70): BF0

Ion 137.00 (136.70 to 137.70): BF0

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0

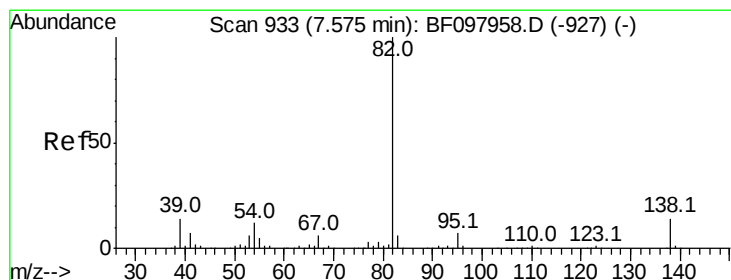
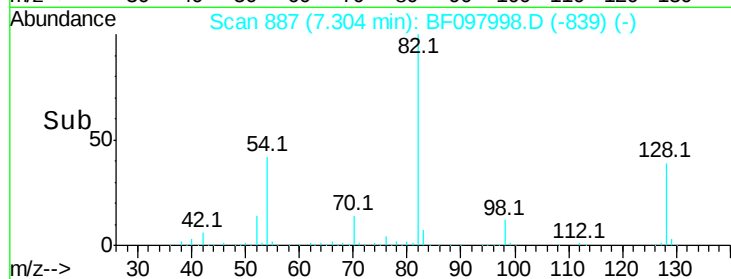
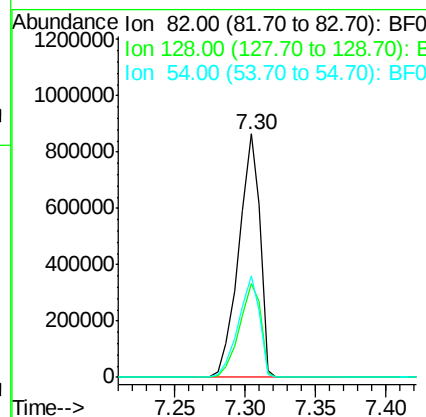
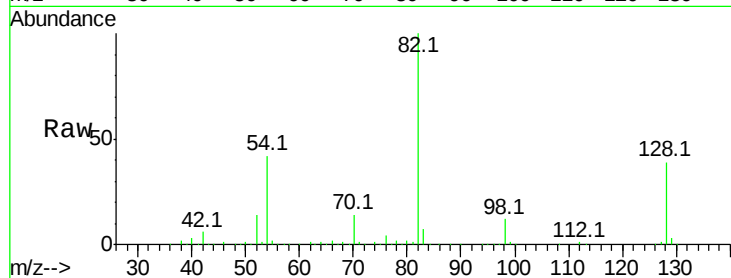




#23
 Nitrobenzene-d5
 Concen: 86.966 ng
 RT: 7.30 min Scan# 887
 Delta R.T. -0.02 min
 Lab File: BF097998.D
 Acq: 23 Aug 2017 15:16

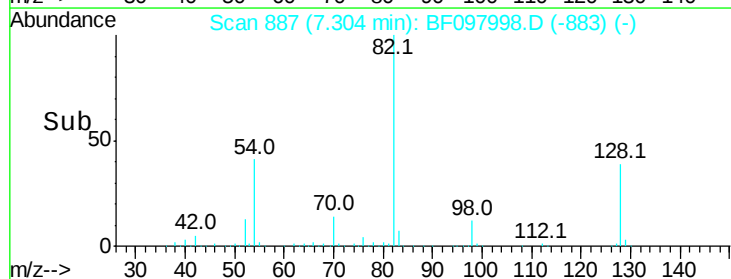
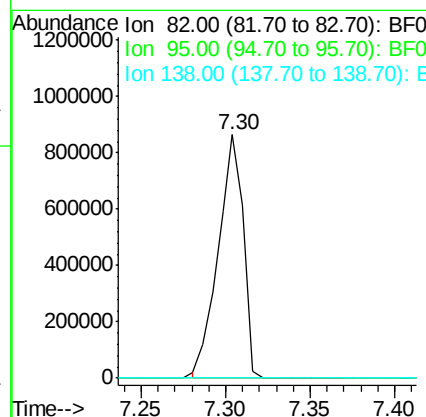
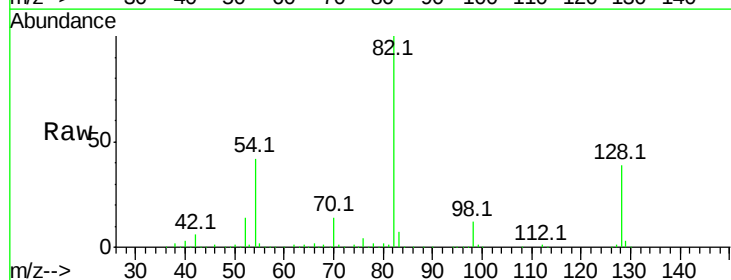
Instrument :
 BNA_F
 ClientSampled :

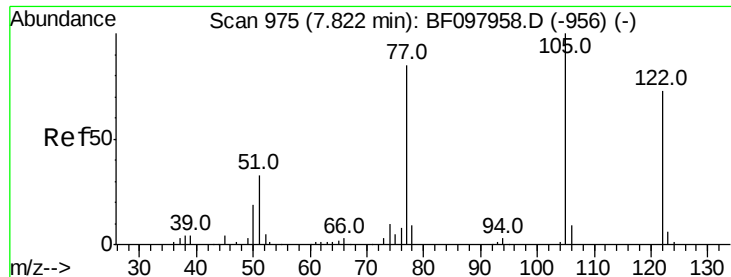
Tot Ion	82	Resp	903428
Ion Ratio	100	Lower	Upper
128	38.7	34.0	51.0
54	41.6	42.2	63.2#



#25
 Isophorone
 Concen: 41.312 ng
 RT: 7.30 min Scan# 887
 Delta R.T. -0.28 min
 Lab File: BF097998.D
 Acq: 23 Aug 2017 15:16

Tgt Ion	82	Resp	892383
Ion Ratio	100	Lower	Upper
95	0.0	5.3	7.9#
138	0.0	13.1	19.7#

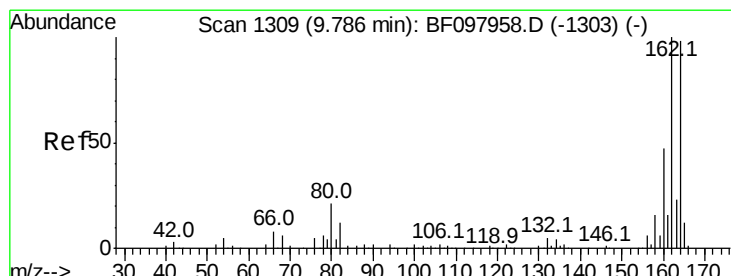
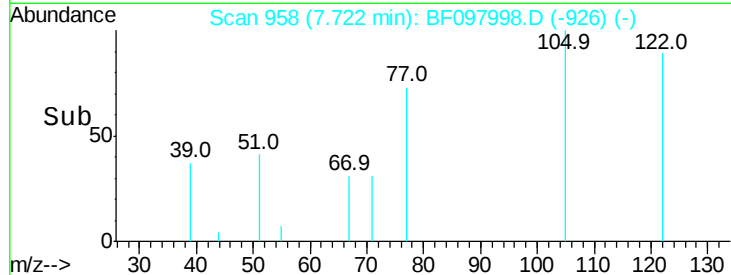
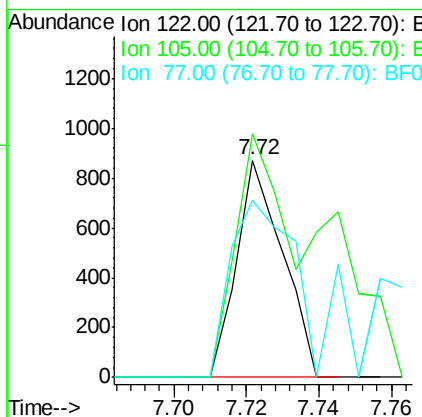
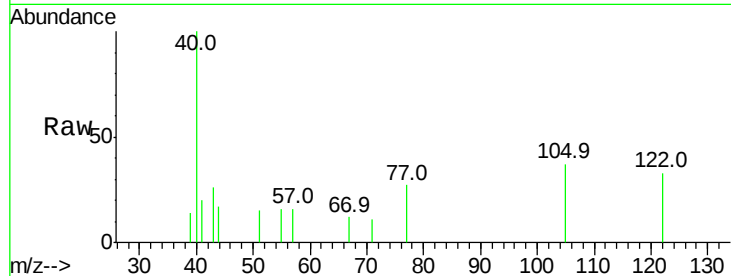




#32
Benzoic acid
Concen: 6.506 ng
RT: 7.72 min Scan# 958
Delta R.T. -0.11 min
Lab File: BF097998.D
Acq: 23 Aug 2017 15:16

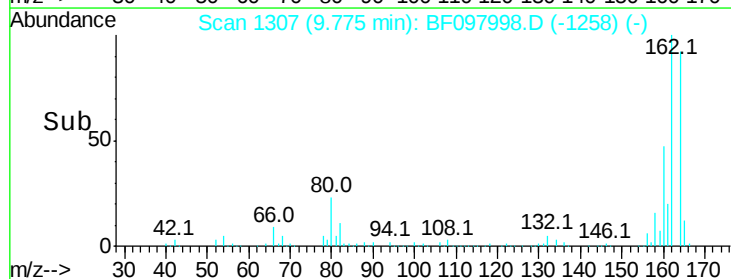
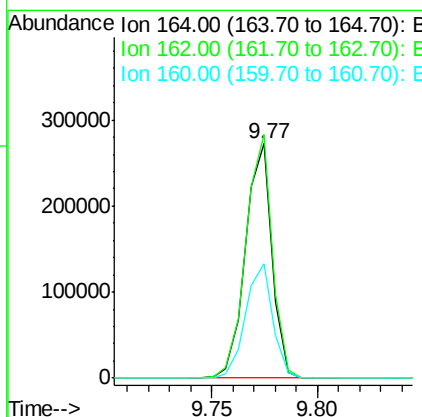
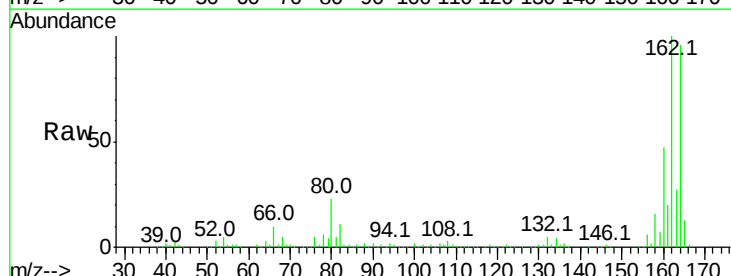
Instrument :
BNA_F
ClientSampleId :

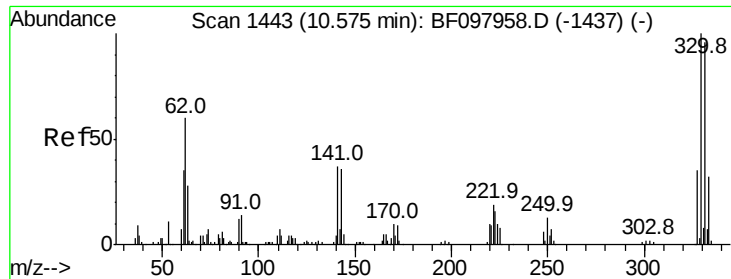
Tot Ion:122 Resp: 767
Ion Ratio Lower Upper
122 100
105 112.0 103.3 143.3
77 81.8 73.7 113.7



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.77 min Scan# 1307
Delta R.T. -0.01 min
Lab File: BF097998.D
Acq: 23 Aug 2017 15:16

Tgt Ion:164 Resp: 236376
Ion Ratio Lower Upper
164 100
162 103.9 82.6 123.8
160 49.1 36.2 54.2

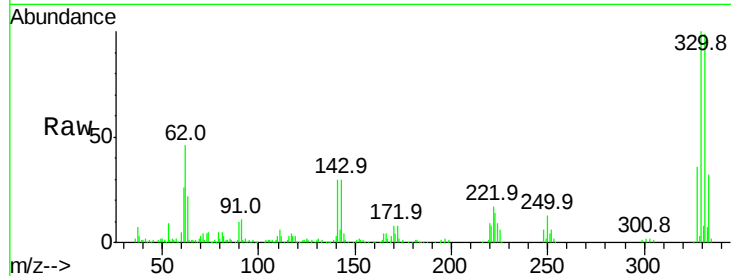




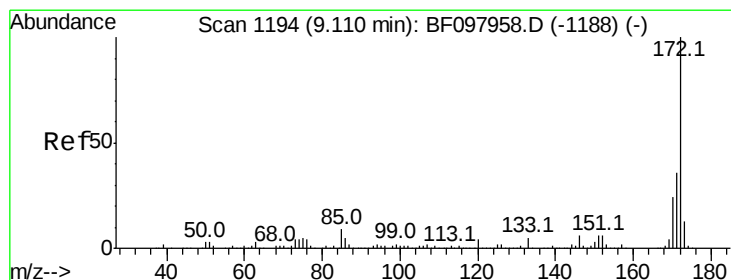
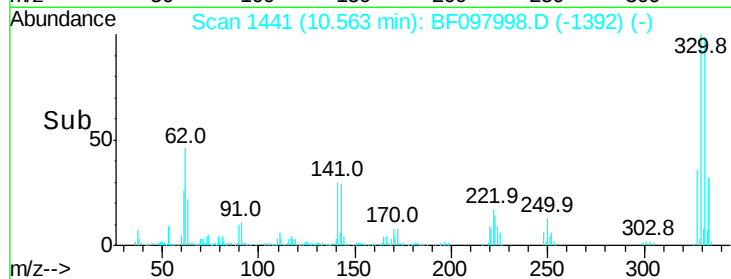
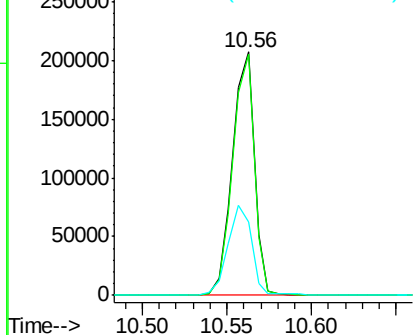
#41
 2,4,6-Tribromophenol
 Concen: 91.649 ng
 RT: 10.56 min Scan# 1441
 Delta R.T. -0.01 min
 Lab File: BF097998.D
 Acq: 23 Aug 2017 15:16

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.4	76.6	115.0
141	41.1	31.4	47.2

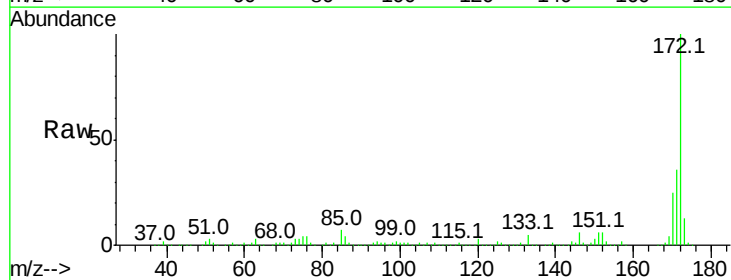


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

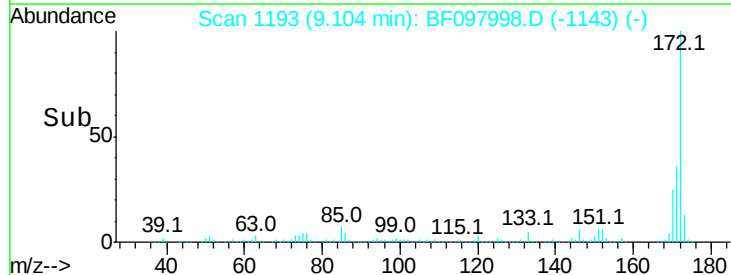
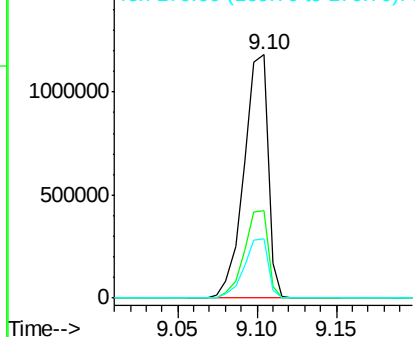


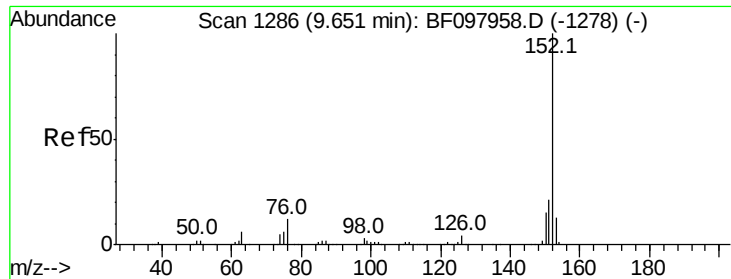
#44
 2-Fluorobiphenyl
 Concen: 76.951 ng
 RT: 9.10 min Scan# 1193
 Delta R.T. -0.01 min
 Lab File: BF097998.D
 Acq: 23 Aug 2017 15:16

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.9	29.6	44.4
170	24.5	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: 2.121 ng

RT: 9.63 min Scan# 1283

Delta R.T. -0.02 min

Lab File: BF097998.D

Acq: 23 Aug 2017 15:16

Instrument :

BNA_F

ClientSampleId :

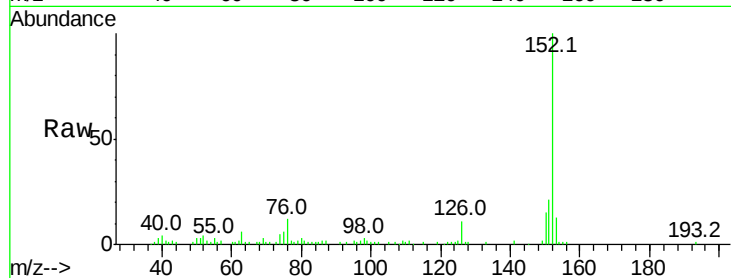
Tot Ion:152 Resp: 53058

Ion Ratio Lower Upper

152 100

151 20.6 16.8 25.2

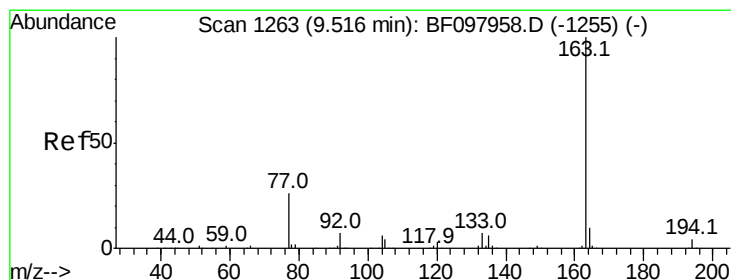
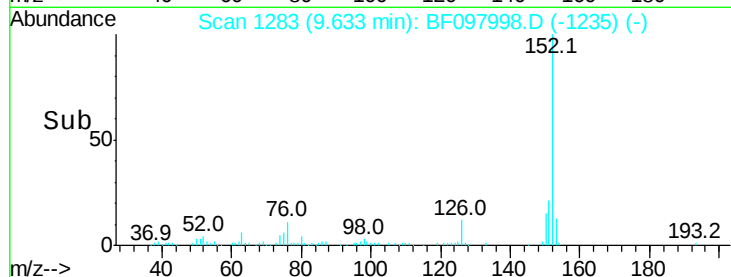
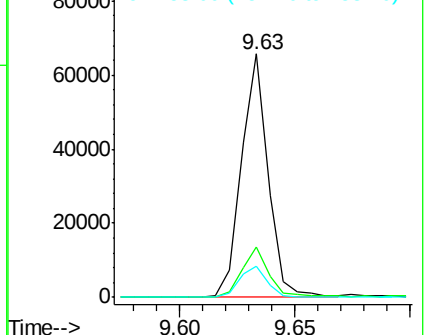
153 12.9 10.8 16.2



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: 10.015 ng

RT: 9.49 min Scan# 1259

Delta R.T. -0.02 min

Lab File: BF097998.D

Acq: 23 Aug 2017 15:16

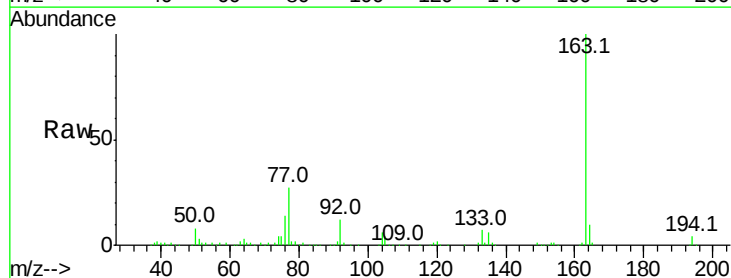
Tgt Ion:163 Resp: 173038

Ion Ratio Lower Upper

163 100

194 3.5 2.6 4.0

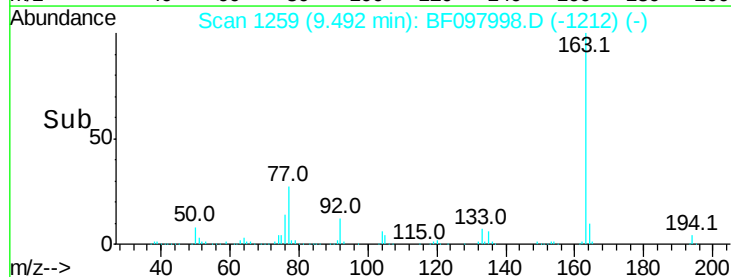
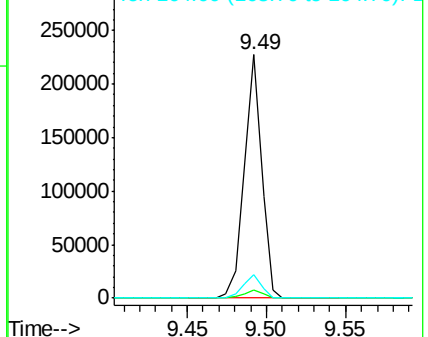
164 9.6 8.4 12.6

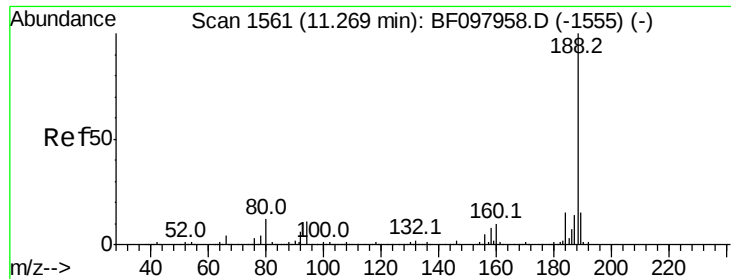


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

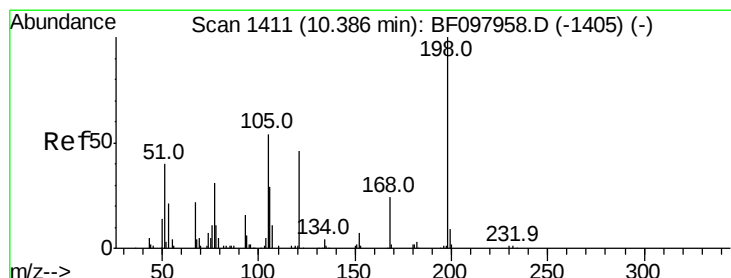
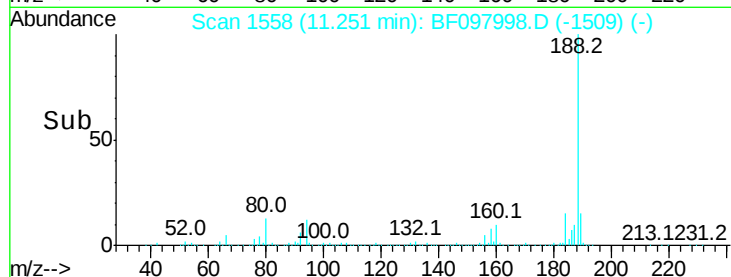
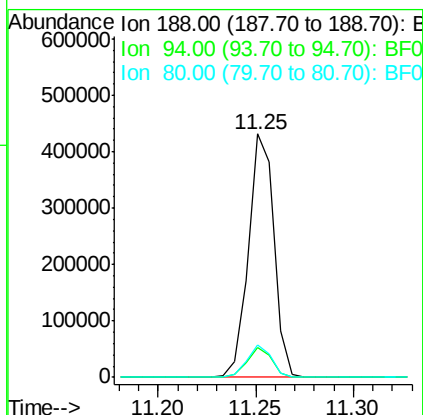
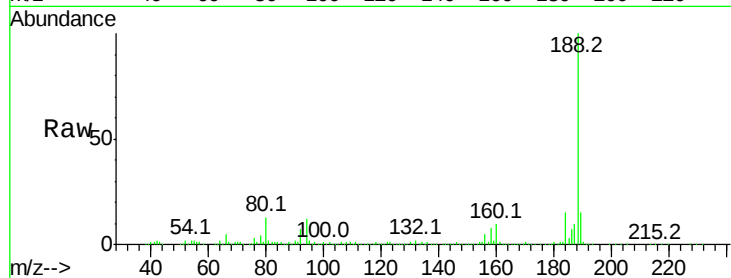




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.25 min Scan# 1558
Delta R.T. -0.01 min
Lab File: BF097998.D
Acq: 23 Aug 2017 15:16

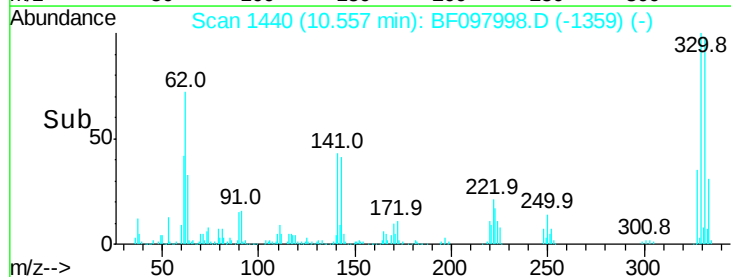
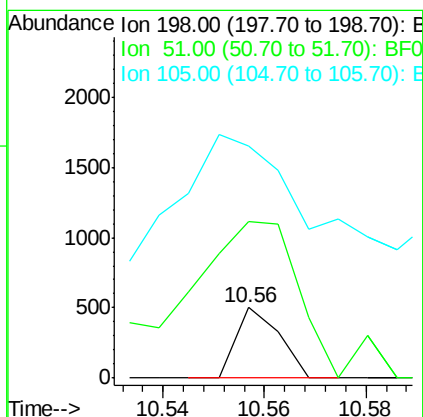
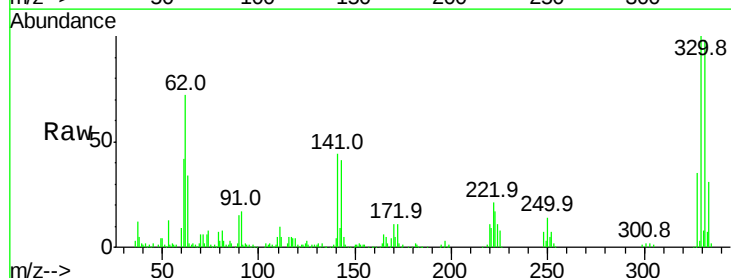
Instrument :
BNA_F
ClientSampled :

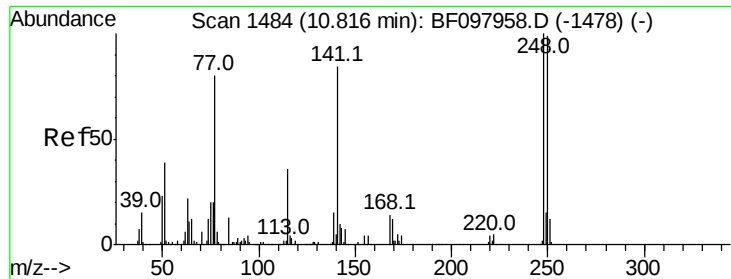
Tot Ion:188 Resp: 390405
Ion Ratio Lower Upper
188 100
94 12.4 9.4 14.2
80 13.1 10.2 15.2



#64
4,6-Dinitro-2-methylphenol
Concen: 8.452 ng
RT: 10.56 min Scan# 1440
Delta R.T. 0.18 min
Lab File: BF097998.D
Acq: 23 Aug 2017 15:16

Tgt Ion:198 Resp: 293
Ion Ratio Lower Upper
198 100
51 222.3 53.2 93.2#
105 329.0 45.8 85.8#

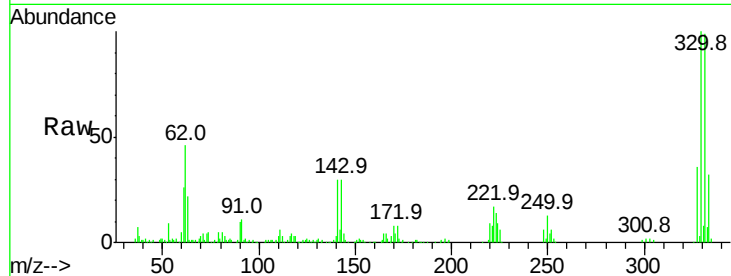




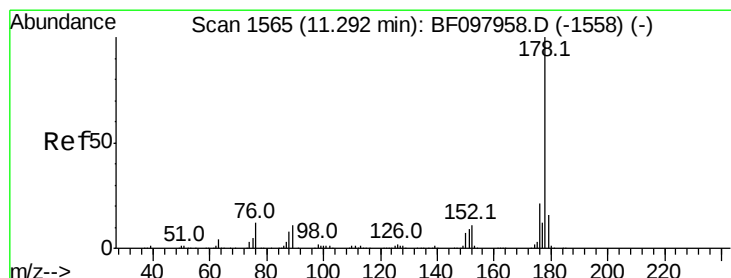
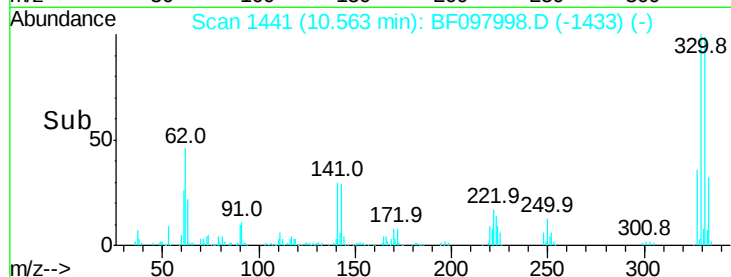
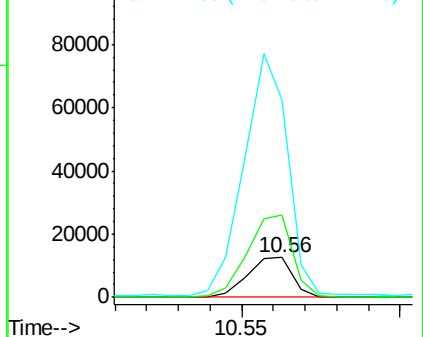
#66
 4-Bromophenyl-phenylether
 Concen: 3.077 ng
 RT: 10.56 min Scan# 1441
 Delta R.T. -0.25 min
 Lab File: BF097998.D
 Acq: 23 Aug 2017 15:16

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:248 Resp: 12476
 Ion Ratio Lower Upper
 248 100
 250 205.0 76.8 115.2#
 141 492.1 68.6 103.0#

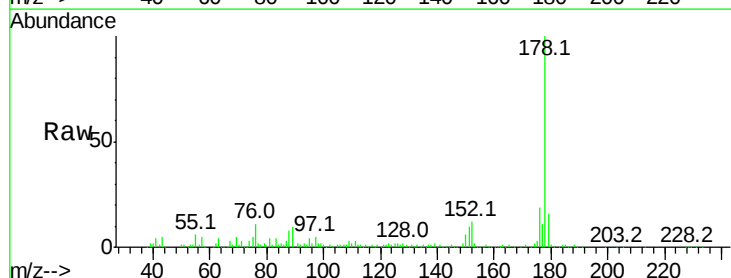


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

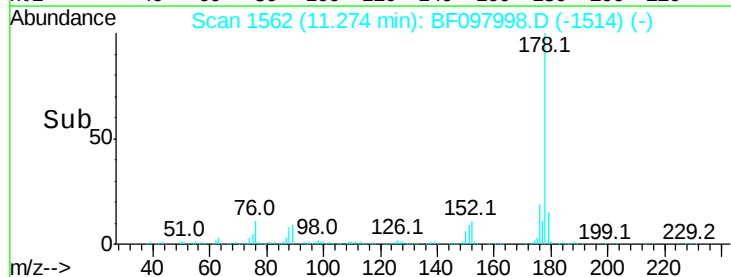
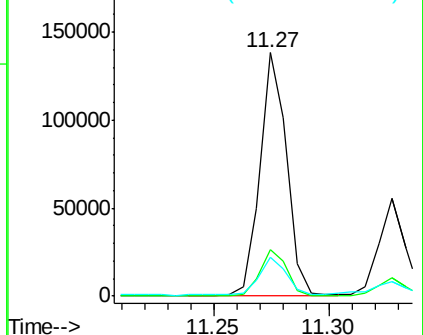


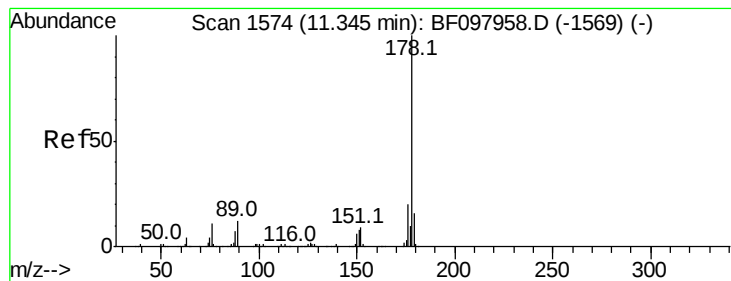
#70
 Phenanthrene
 Concen: 5.409 ng
 RT: 11.27 min Scan# 1562
 Delta R.T. -0.02 min
 Lab File: BF097998.D
 Acq: 23 Aug 2017 15:16

Tgt Ion:178 Resp: 112536
 Ion Ratio Lower Upper
 178 100
 176 19.0 16.2 24.4
 179 15.9 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





#71

Anthracene

Concen: 2.005 ng

RT: 11.33 min Scan# 1571

Delta R.T. -0.02 min

Lab File: BF097998.D

Acq: 23 Aug 2017 15:16

Instrument :

BNA_F

ClientSampled :

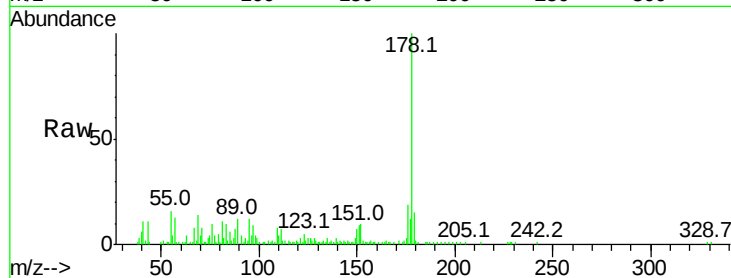
Tot Ion:178 Resp: 42301

Ion Ratio Lower Upper

178 100

176 19.4 15.8 23.8

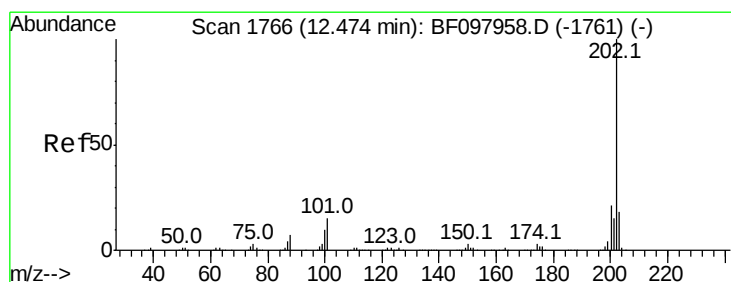
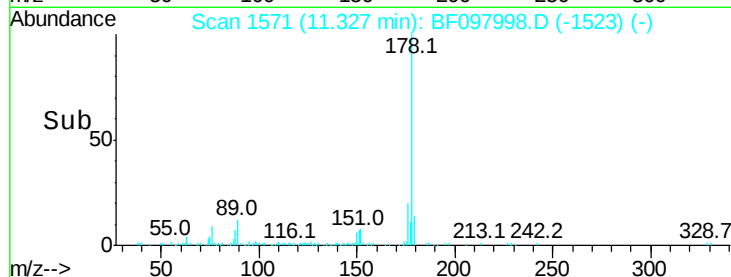
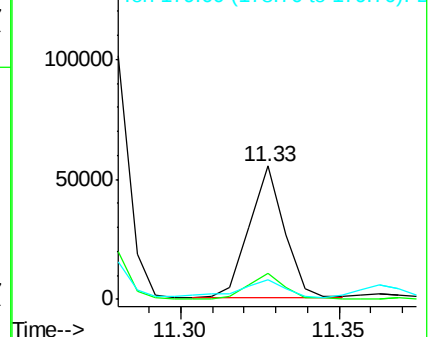
179 15.0 12.7 19.1



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: 12.529 ng

RT: 12.46 min Scan# 1764

Delta R.T. -0.01 min

Lab File: BF097998.D

Acq: 23 Aug 2017 15:16

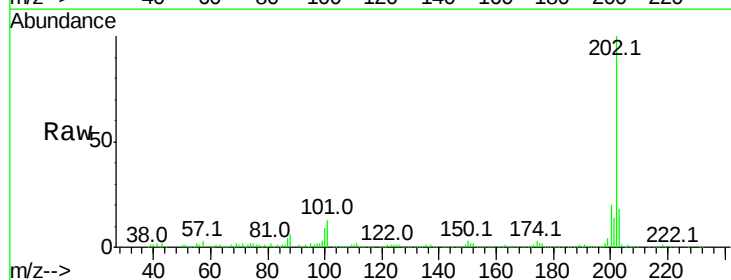
Tgt Ion:202 Resp: 272064

Ion Ratio Lower Upper

202 100

101 12.9 0.0 33.2

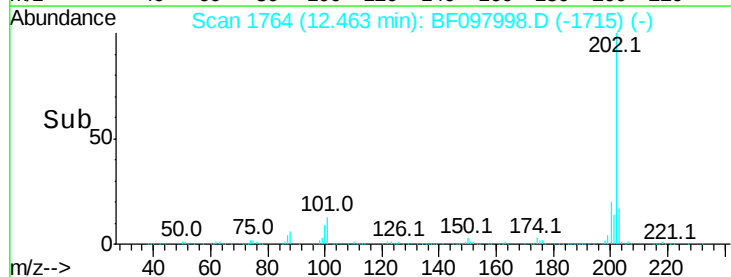
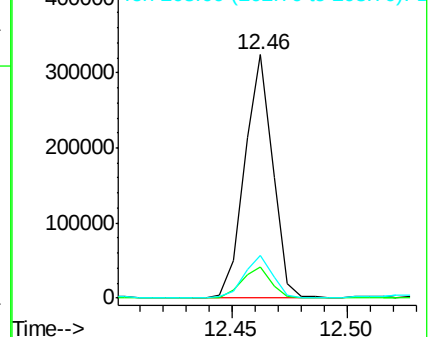
203 17.6 0.0 38.1

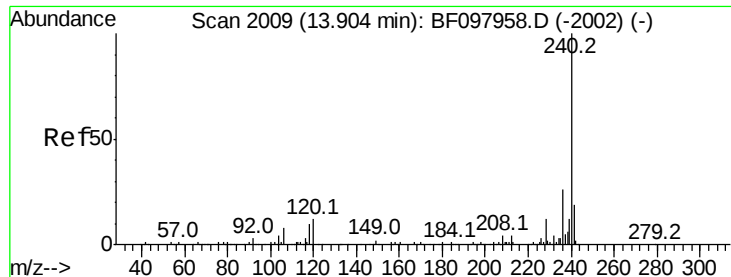


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.89 min Scan# 2006

Delta R.T. -0.01 min

Lab File: BF097998.D

Acq: 23 Aug 2017 15:16

Instrument :

BNA_F

ClientSampleId :

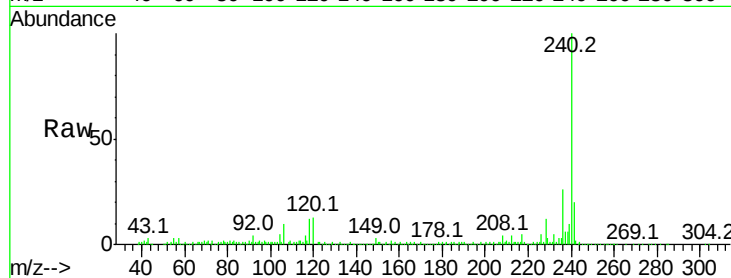
Tot Ion:240 Resp: 296096

Ion Ratio Lower Upper

240 100

120 13.5 5.8 8.8#

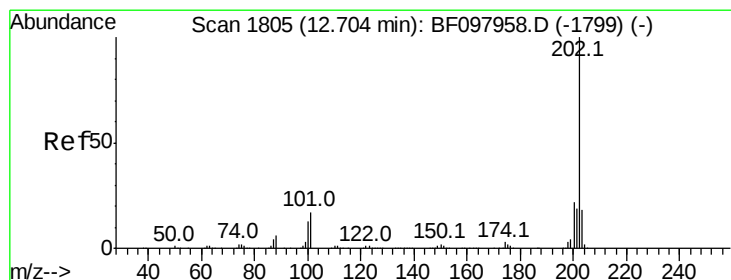
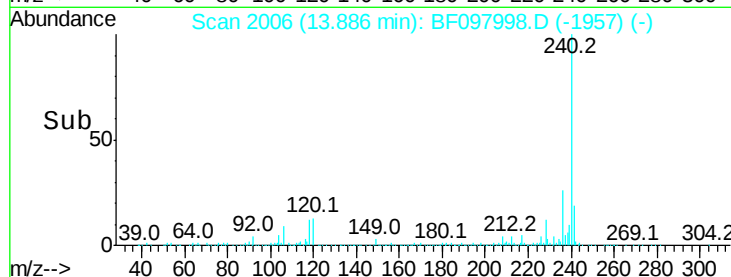
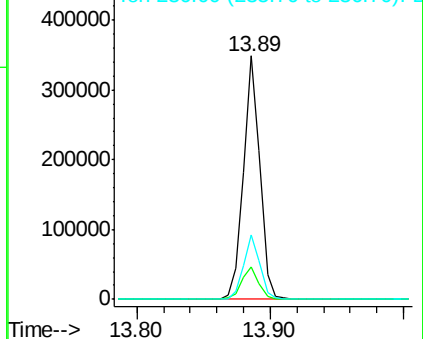
236 26.4 20.5 30.7



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: 10.734 ng

RT: 12.69 min Scan# 1803

Delta R.T. -0.01 min

Lab File: BF097998.D

Acq: 23 Aug 2017 15:16

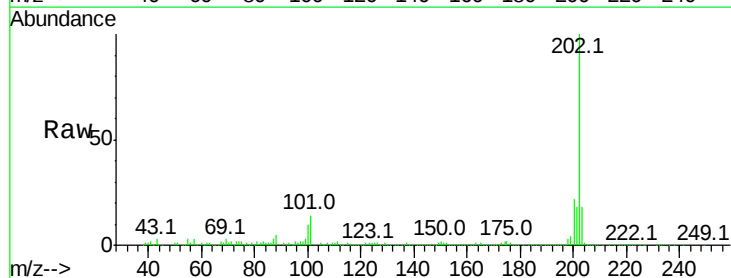
Tgt Ion:202 Resp: 259949

Ion Ratio Lower Upper

202 100

200 21.5 17.6 26.4

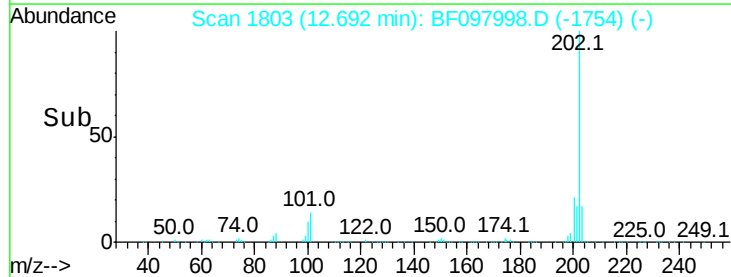
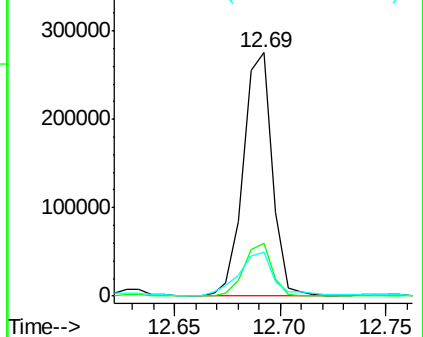
203 17.9 14.4 21.6

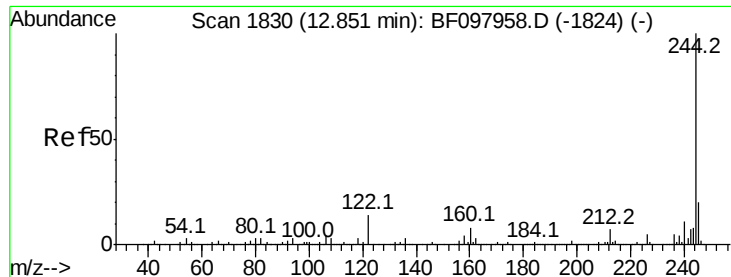


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

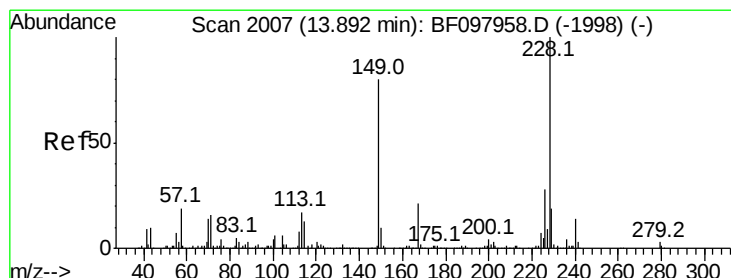
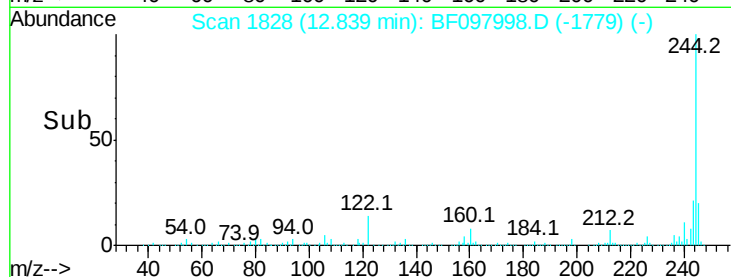
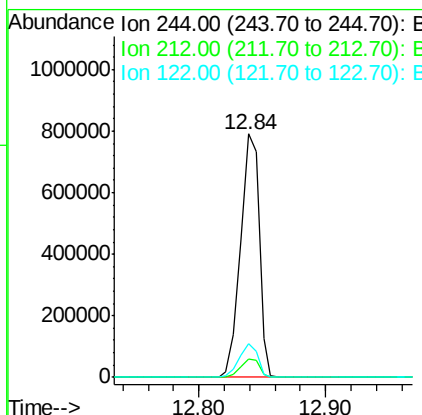
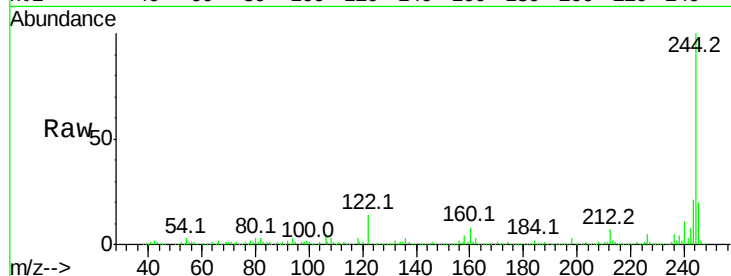




#78
 Terphenyl-d14
 Concen: 56.360 ng
 RT: 12.84 min Scan# 1828
 Delta R.T. -0.01 min
 Lab File: BF097998.D
 Acq: 23 Aug 2017 15:16

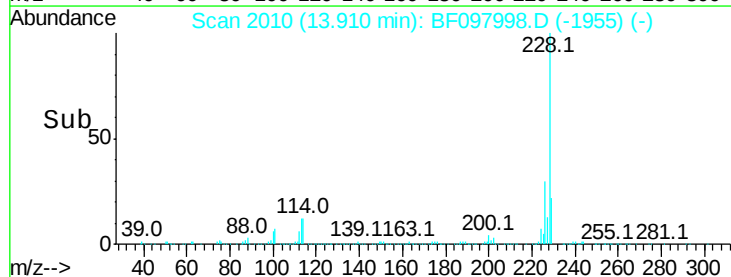
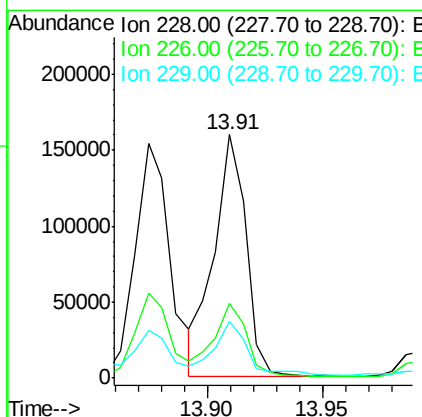
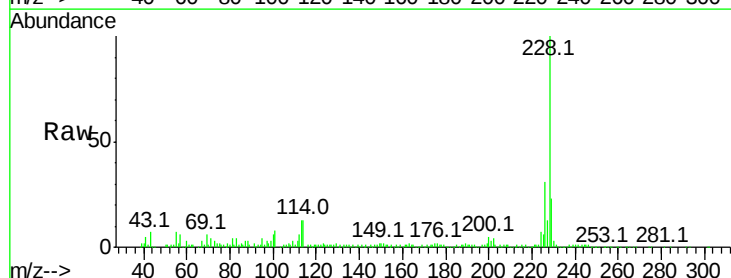
Instrument :
 BNA_F
 ClientSampled :

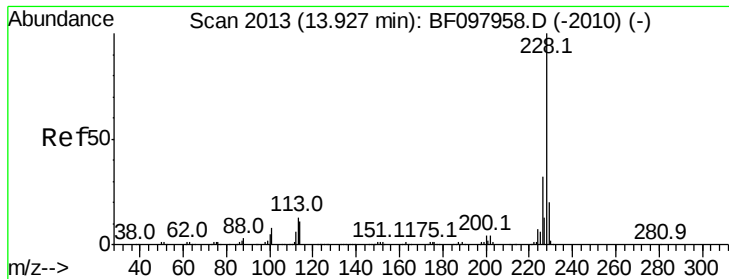
Tot Ion:244 Resp: 800257
 Ion Ratio Lower Upper
 244 100
 212 7.5 6.0 9.0
 122 13.9 10.3 15.5



#80
 Benzo(a)anthracene
 Concen: 8.652 ng
 RT: 13.91 min Scan# 2010
 Delta R.T. 0.02 min
 Lab File: BF097998.D
 Acq: 23 Aug 2017 15:16

Tgt Ion:228 Resp: 153538
 Ion Ratio Lower Upper
 228 100
 226 30.8 22.6 33.8
 229 23.4 16.3 24.5

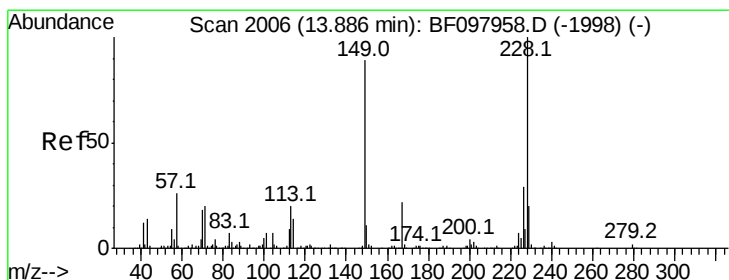
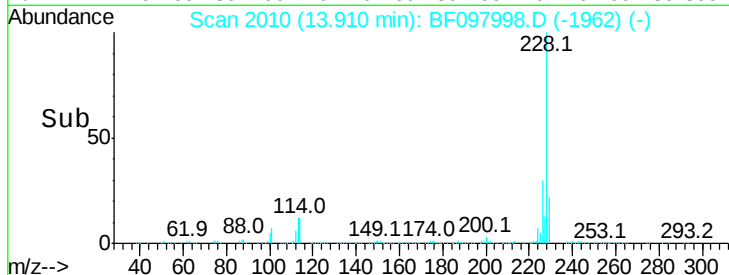
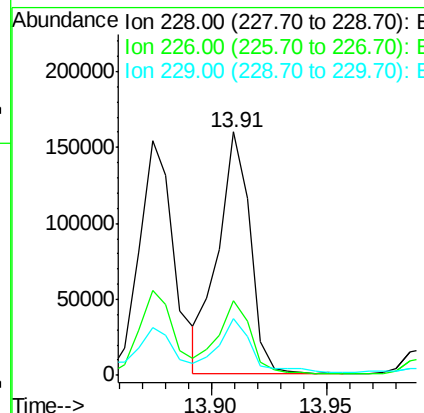
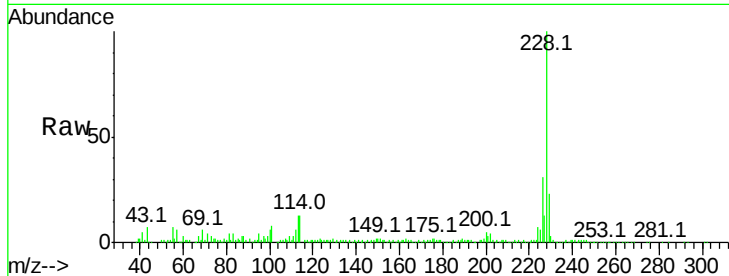




#82
 Chrysene
 Concen: 8.697 ng
 RT: 13.91 min Scan# 2010
 Delta R.T. -0.02 min
 Lab File: BF097998.D
 Acq: 23 Aug 2017 15:16

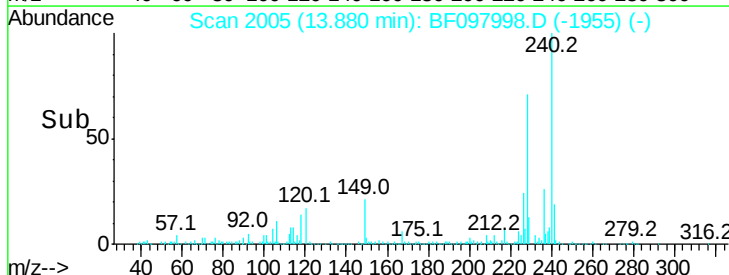
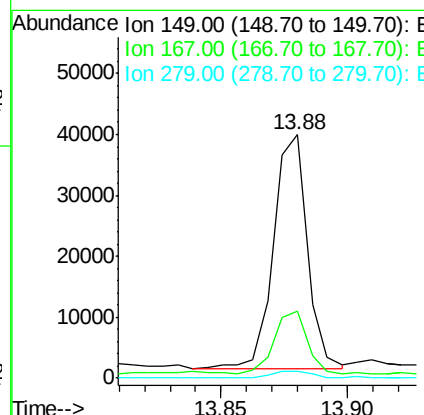
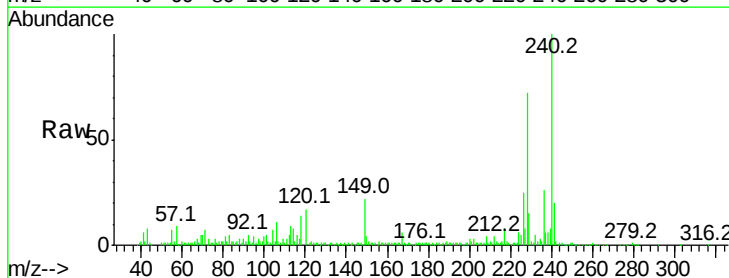
Instrument :
 BNA_F
 ClientSampleId :

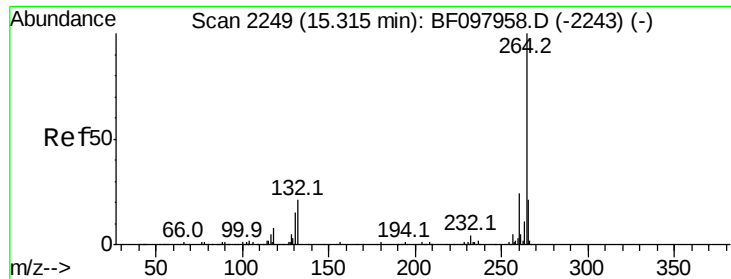
Tot Ion	Ratio	Lower	Upper
228	100		
226	30.8	24.9	37.3
229	23.4	15.8	23.6



#83
 Bis(2-ethylhexyl)phthalate
 Concen: 3.433 ng
 RT: 13.88 min Scan# 2005
 Delta R.T. -0.01 min
 Lab File: BF097998.D
 Acq: 23 Aug 2017 15:16

Tgt Ion	Ratio	Lower	Upper
149	100		
167	27.7	21.0	31.4
279	3.0	1.9	2.9#

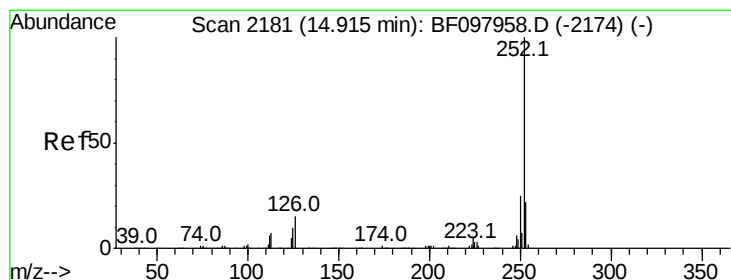
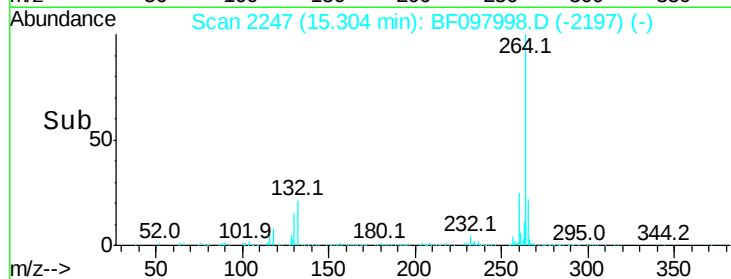
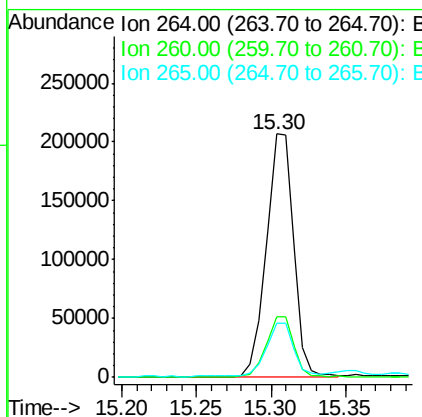
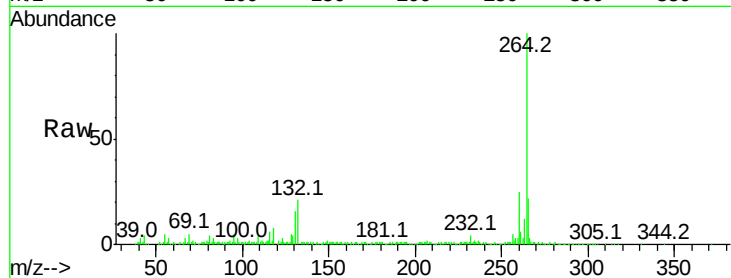




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.30 min Scan# 2247
Delta R.T. -0.01 min
Lab File: BF097998.D
Acq: 23 Aug 2017 15:16

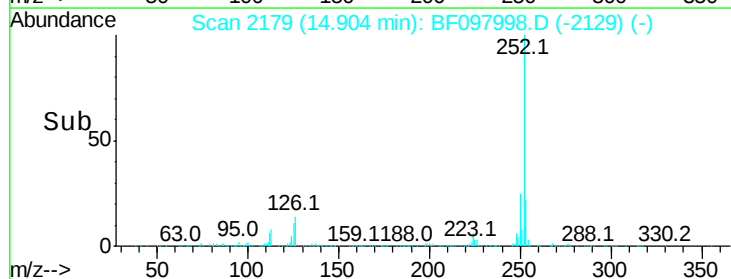
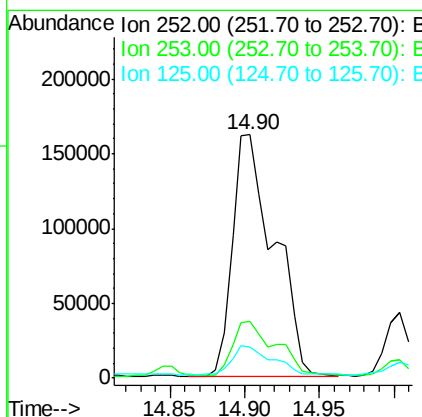
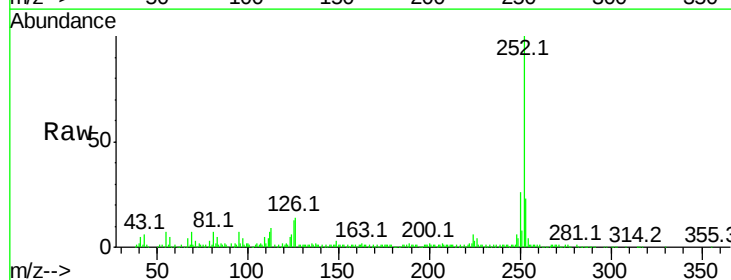
Instrument :
BNA_F
ClientSampleId :

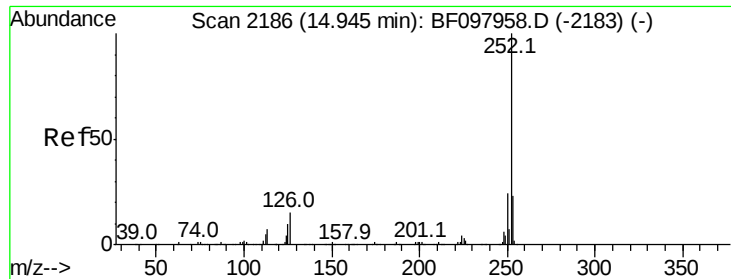
Tot Ion	Ratio	Lower	Upper
264	100		
260	25.1	19.5	29.3
265	22.2	17.2	25.8



#87
Benzo(b)fluoranthene
Concen: 19.086 ng
RT: 14.90 min Scan# 2179
Delta R.T. -0.01 min
Lab File: BF097998.D
Acq: 23 Aug 2017 15:16

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	18.1	27.1
125	12.6	9.8	14.8

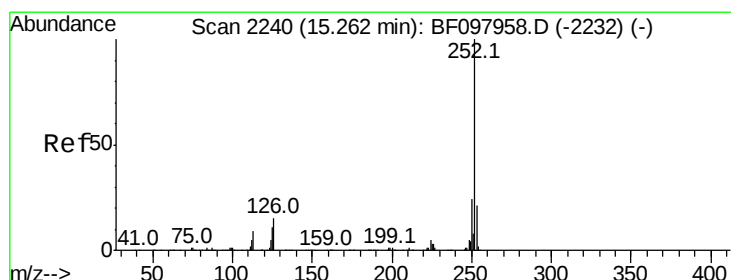
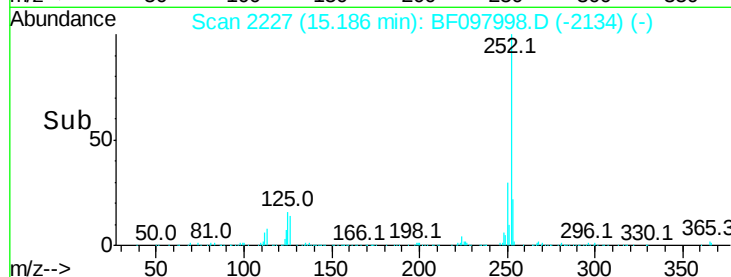
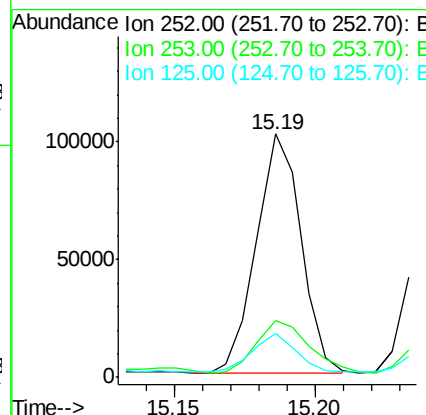
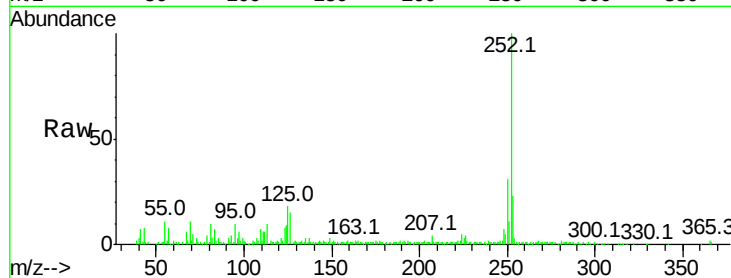




#88
Benzo(k)fluoranthene
Concen: 7.270 ng
RT: 15.19 min Scan# 2227
Delta R.T. 0.25 min
Lab File: BF097998.D
Acq: 23 Aug 2017 15:16

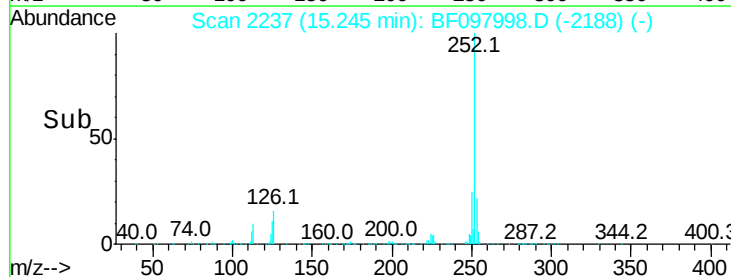
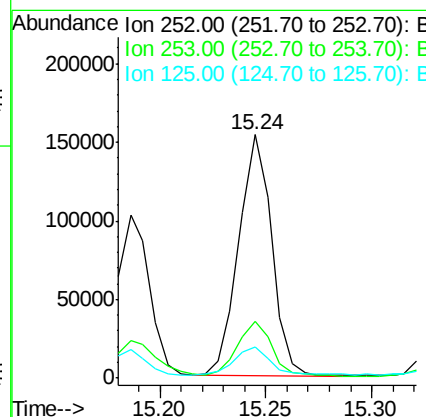
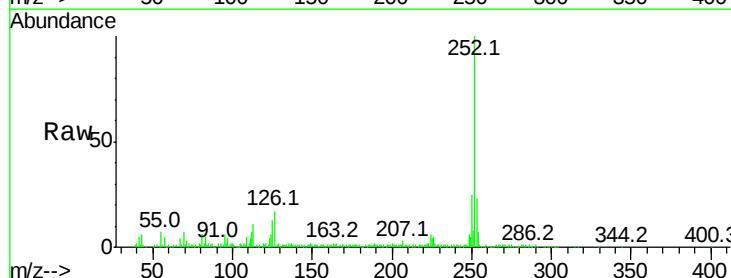
Instrument :
BNA_F
ClientSampleId :

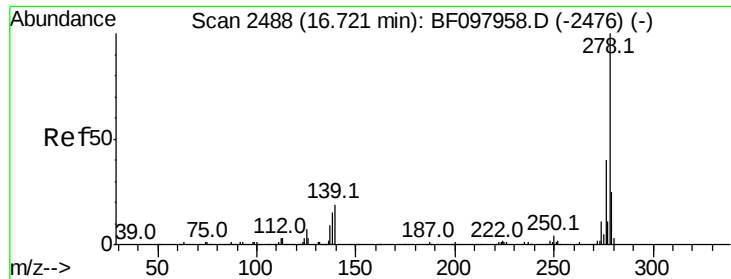
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.2	18.4	27.6
125	17.8	13.1	19.7



#89
Benzo(a)pyrene
Concen: 11.398 ng
RT: 15.24 min Scan# 2237
Delta R.T. -0.01 min
Lab File: BF097998.D
Acq: 23 Aug 2017 15:16

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.5	26.3
125	12.8	11.0	16.4

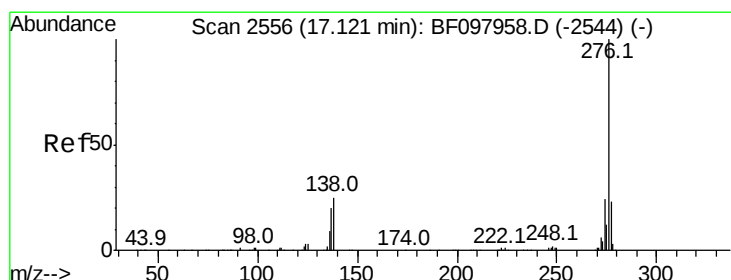
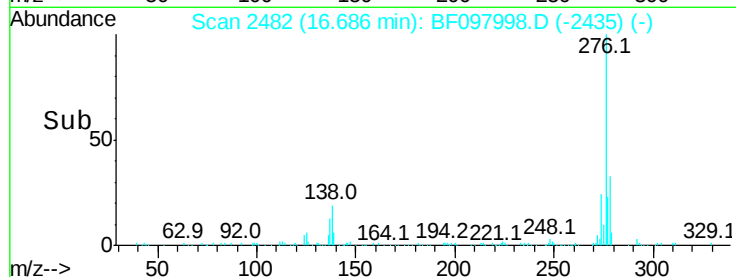
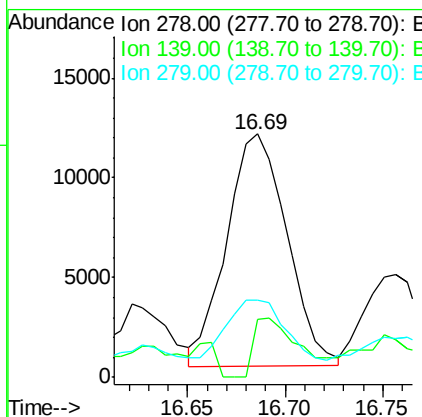
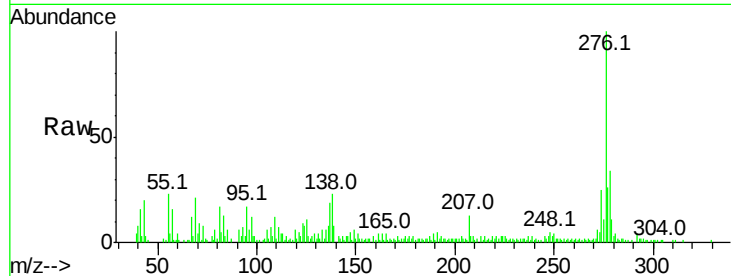




#90
Dibenzo(a,h)anthracene
Concen: 2.093 ng
RT: 16.69 min Scan# 2482
Delta R.T. -0.02 min
Lab File: BF097998.D
Acq: 23 Aug 2017 15:16

Instrument :
BNA_F
ClientSampleId :

Tot Ion:278 Resp: 24811
Ion Ratio Lower Upper
278 100
139 24.1 16.6 24.8
279 31.5 19.3 28.9#



#91
Benzo(g,h,i)perylene
Concen: 7.949 ng
RT: 17.09 min Scan# 2551
Delta R.T. -0.02 min
Lab File: BF097998.D
Acq: 23 Aug 2017 15:16

Tgt Ion:276 Resp: 98343
Ion Ratio Lower Upper
276 100
277 24.2 18.6 28.0
138 25.1 25.4 38.0#

