

Data Path : Z:\HPCHEM1\BNA F\DATA\BF080317\
 Data File : BF097326.D
 Acq On : 3 Aug 2017 19:39
 Operator : SJ/JU
 Sample : I4541-13
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 72-11944

Quant Time: Aug 04 01:07:14 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 25 14:11:51 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.45	152	112464	20.00	ng	-0.05
21) Naphthalene-d8	7.73	136	454296	20.00	ng	-0.06
38) Acenaphthene-d10	9.46	164	199750	20.00	ng	-0.07
63) Phenanthrene-d10	10.94	188	327616	20.00	ng	-0.06
75) Chrysene-d12	13.56	240	212508	20.00	ng	-0.07
86) Perylene-d12	14.90	264	192567	20.00	ng	-0.08

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.05	112	734140	98.41	ng	-0.05
7) Phenol-d6	6.12	99	949135	111.44	ng	-0.05
23) Nitrobenzene-d5	7.02	82	546703	70.60	ng	-0.06
41) 2,4,6-Tribromophenol	10.25	330	157330	99.69	ng	-0.07
44) 2-Fluorobiphenyl	8.80	172	823413	69.96	ng	-0.07
78) Terphenyl-d14	12.52	244	535946	51.42	ng	-0.06

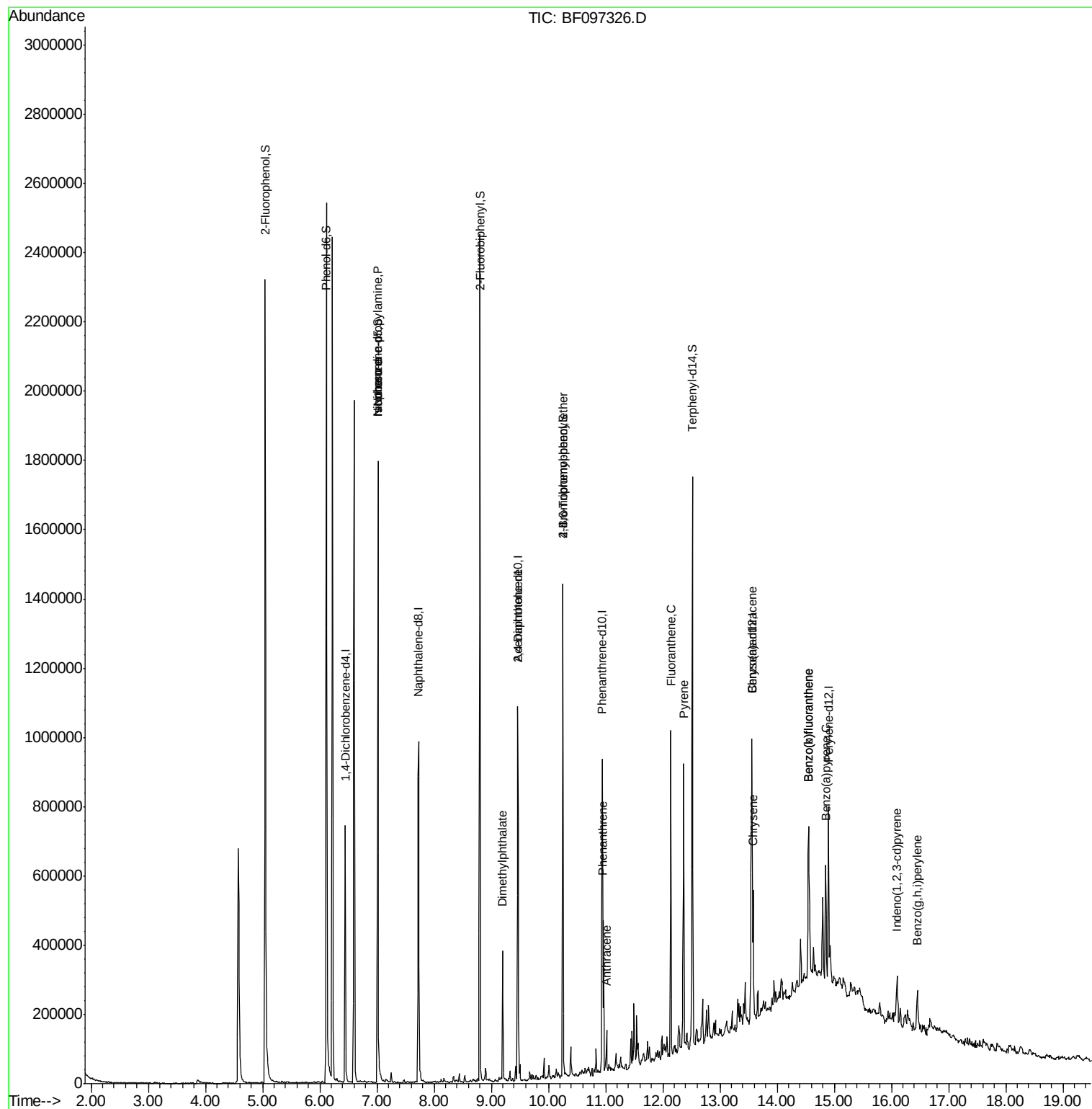
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.02	70	74599	13.307	ng	# 87
25) Isophorone	7.02	82	534214	35.225	ng	# 67
49) Dimethylphthalate	9.20	163	135648	8.943	ng	99
56) 2,4-Dinitrotoluene	9.46	165	25581	6.917	ng	# 33
66) 4-Bromophenyl-phenylether	10.25	248	9984	3.054	ng	# 1
70) Phenanthrene	10.96	178	166586	9.490	ng	98
71) Anthracene	11.02	178	42972	2.390	ng	99
74) Fluoranthene	12.14	202	342104	19.894	ng	98
77) Pyrene	12.36	202	316825	18.211	ng	99
80) Benzo(a)anthracene	13.55	228	157018	11.419	ng	99
82) Chrysene	13.58	228	150636	11.219	ng	97
85) Indeno(1,2,3-cd)pyrene	16.10	276	69140	6.005	ng	99
87) Benzo(b)fluoranthene	14.55	252	256499	22.159	ng	# 95
88) Benzo(k)fluoranthene	14.55	252	256499	23.254	ng	99
89) Benzo(a)pyrene	14.85	252	133115	12.565	ng	98
91) Benzo(g,h,i)perylene	16.45	276	73542	8.072	ng	97

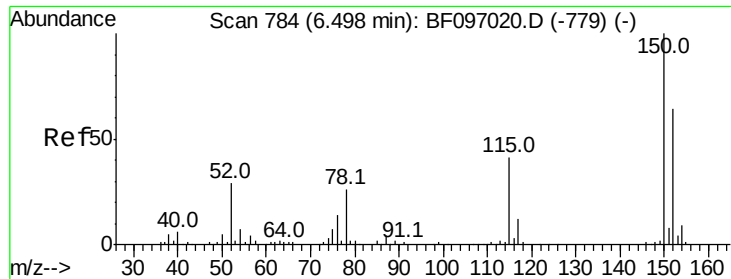
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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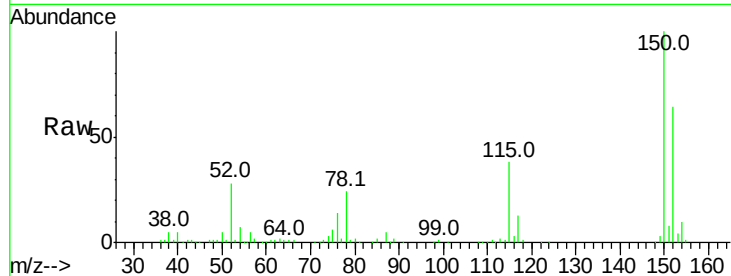


#1

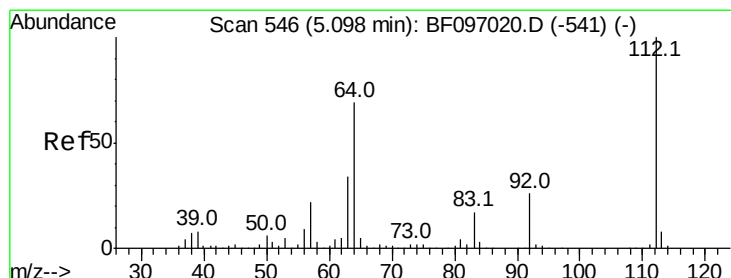
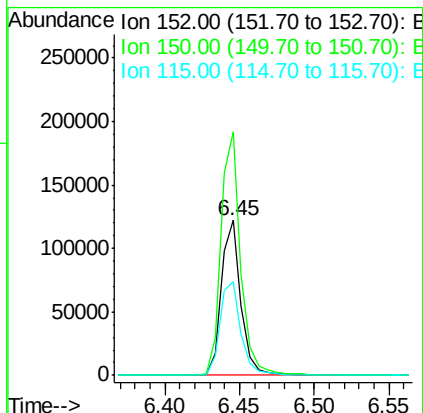
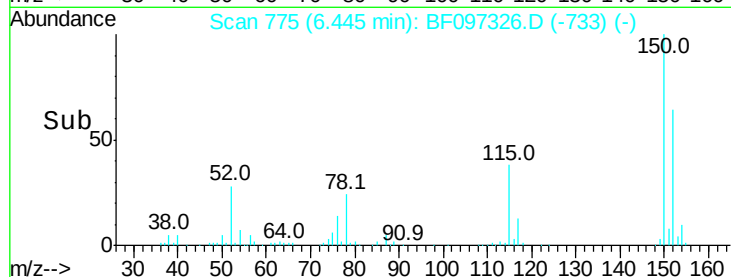
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.45 min Scan# 775
Delta R.T. -0.05 min
Lab File: BF097326.D
Acq: 3 Aug 2017 19:39

Instrument :
BNA_F
ClientSampleId :
72-11944

Tot Ion:152 Resp: 112464
Ion Ratio Lower Upper
152 100
150 156.9 126.2 189.2
115 60.3 52.2 78.2



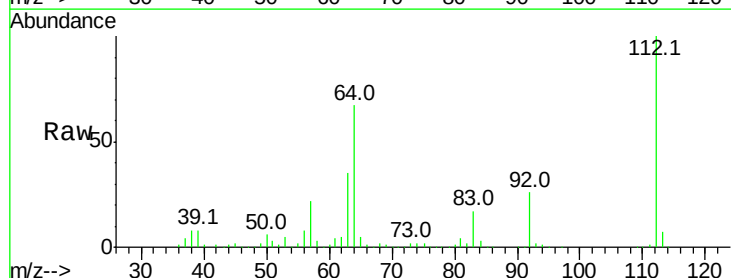
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



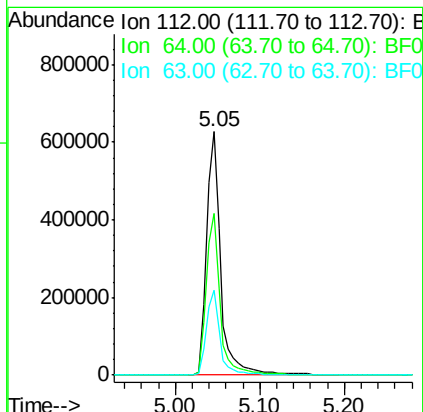
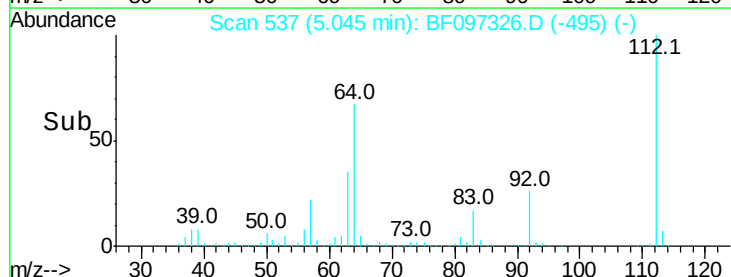
#5

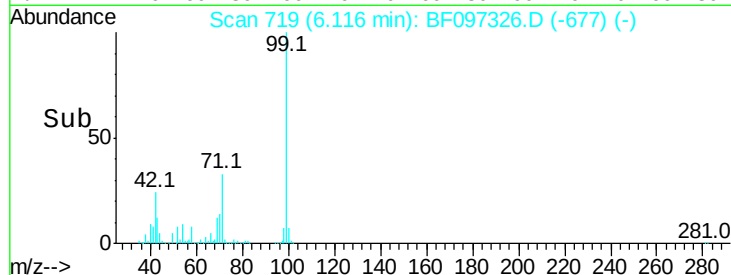
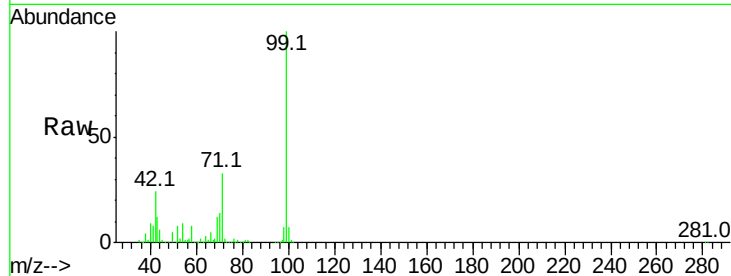
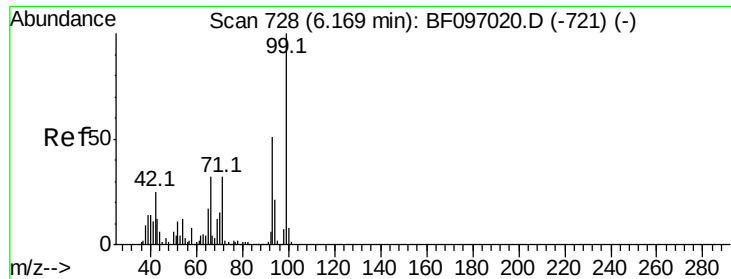
2-Fluorophenol
Concen: 98.406 ng
RT: 5.05 min Scan# 537
Delta R.T. -0.05 min
Lab File: BF097326.D
Acq: 3 Aug 2017 19:39

Tgt Ion:112 Resp: 734140
Ion Ratio Lower Upper
112 100
64 66.6 46.0 69.0
63 34.8 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: 111.442 ng

RT: 6.12 min Scan# 719

Delta R.T. -0.05 min

Lab File: BF097326.D

Acq: 3 Aug 2017 19:39

Instrument :

BNA_F

ClientSampled :

72-11944

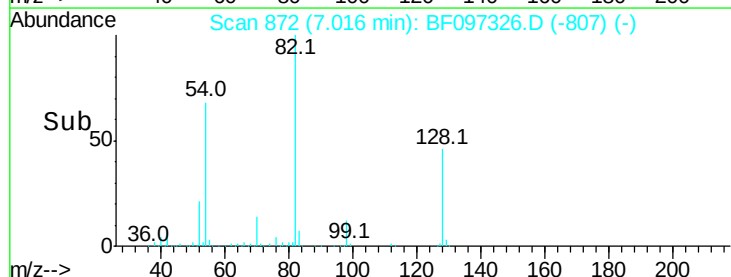
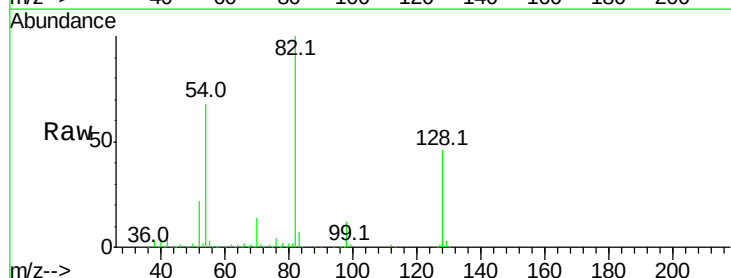
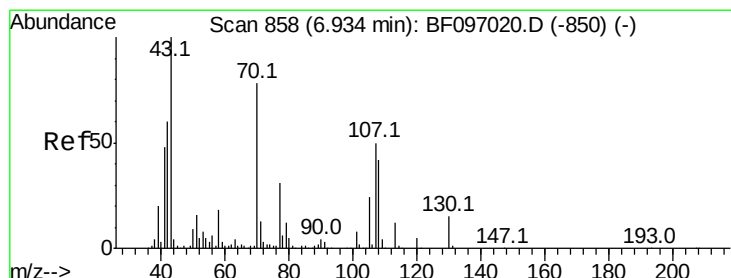
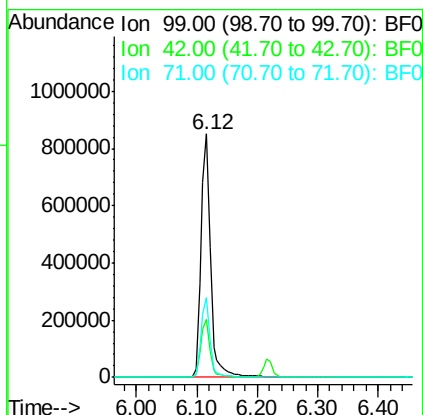
Tot Ion: 99 Resp: 949135

Ion Ratio Lower Upper

99 100

42 23.7 13.5 20.3#

71 32.7 24.5 36.7



#19

n-Nitroso-di-n-propylamine

Concen: 13.307 ng

RT: 7.02 min Scan# 872

Delta R.T. 0.08 min

Lab File: BF097326.D

Acq: 3 Aug 2017 19:39

Tgt Ion: 70 Resp: 74599

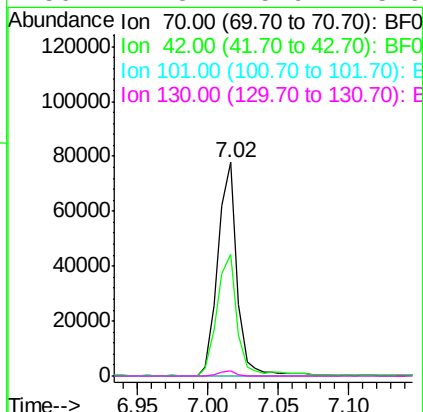
Ion Ratio Lower Upper

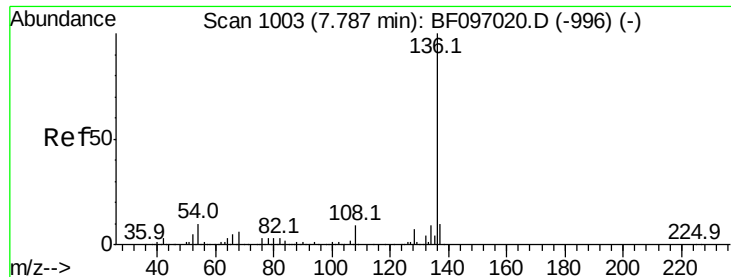
70 100

42 57.0 47.2 70.8

101 0.0 7.2 10.8#

130 2.3 15.9 23.9#

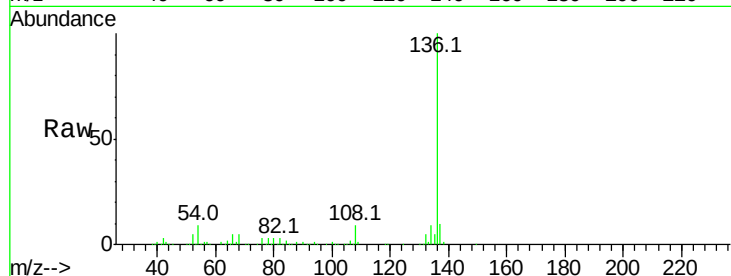




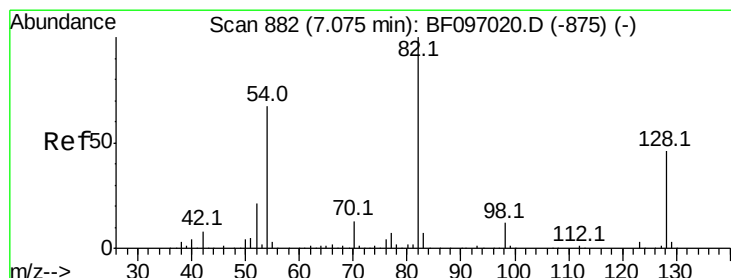
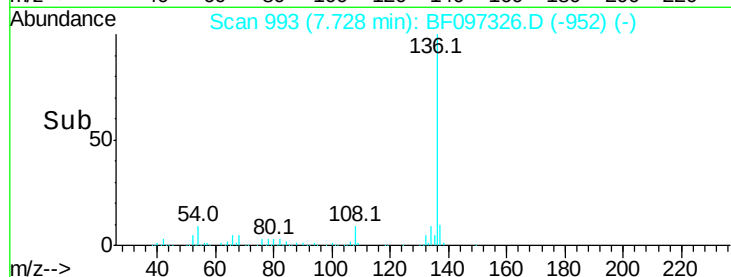
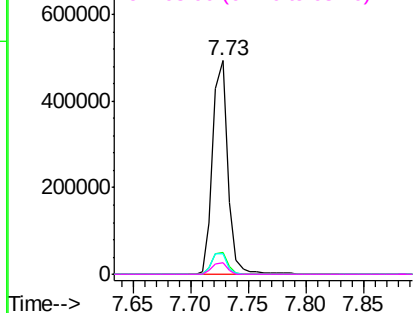
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.73 min Scan# 993
Delta R.T. -0.06 min
Lab File: BF097326.D
Acq: 3 Aug 2017 19:39

Instrument :
BNA_F
ClientSampleId :
72-11944

Tot Ion:136	Resp:	454296
Ion Ratio	Lower	Upper
136	100	
137	10.5	8.5 12.7
54	9.4	4.9 7.3#
68	5.2	4.1 6.1

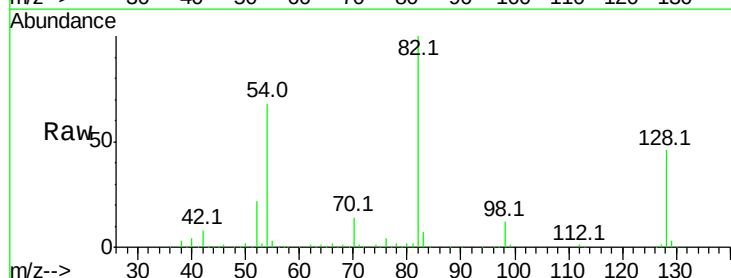


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

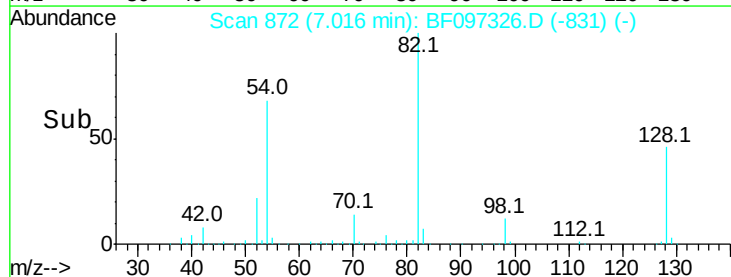
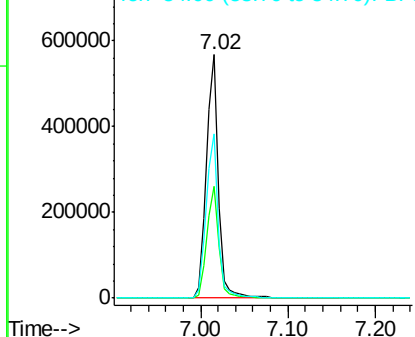


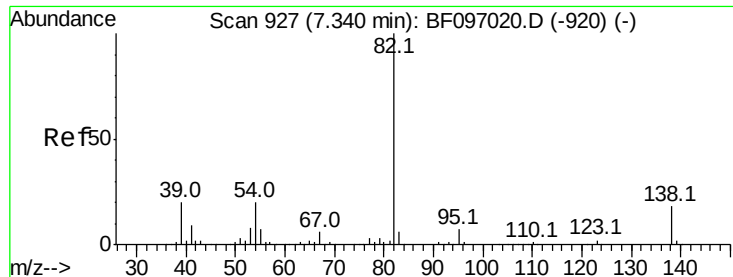
#23
Nitrobenzene-d5
Concen: 70.597 ng
RT: 7.02 min Scan# 872
Delta R.T. -0.06 min
Lab File: BF097326.D
Acq: 3 Aug 2017 19:39

Tgt Ion: 82	Resp:	546703
Ion Ratio	Lower	Upper
82	100	
128	46.0	34.0 51.0
54	67.7	42.2 63.2#



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 35.225 ng

RT: 7.02 min Scan# 872

Delta R.T. -0.32 min

Lab File: BF097326.D

Acq: 3 Aug 2017 19:39

Instrument :

BNA_F

ClientSampleId :

72-11944

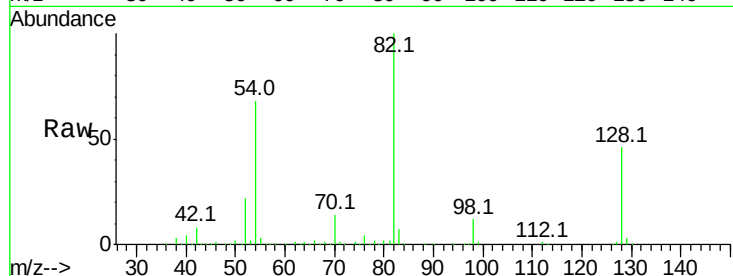
Tot Ion: 82 Resp: 534214

Ion Ratio Lower Upper

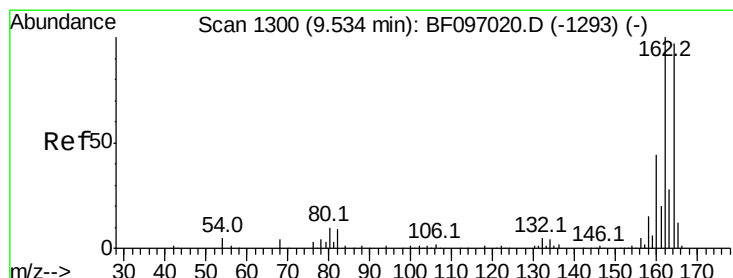
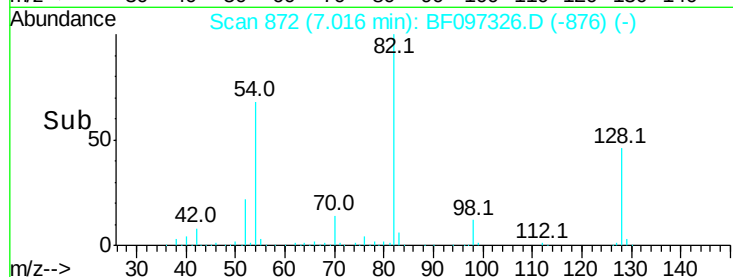
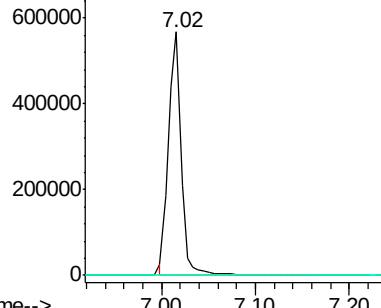
82 100

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: 20.000 ng

RT: 9.46 min Scan# 1288

Delta R.T. -0.07 min

Lab File: BF097326.D

Acq: 3 Aug 2017 19:39

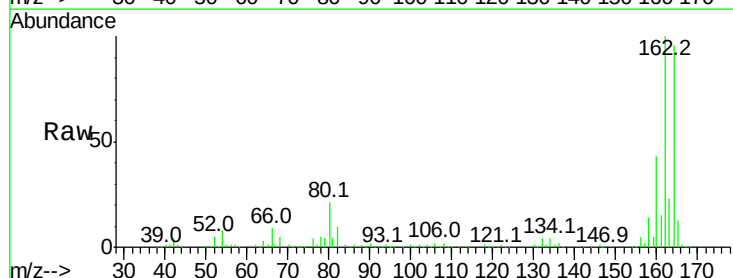
Tgt Ion:164 Resp: 199750

Ion Ratio Lower Upper

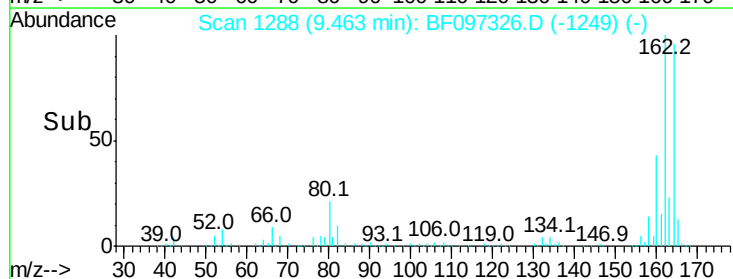
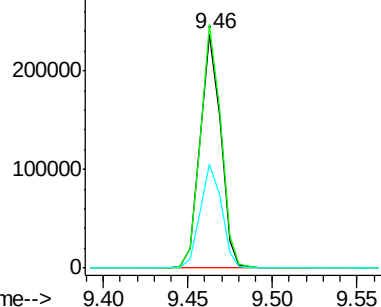
164 100

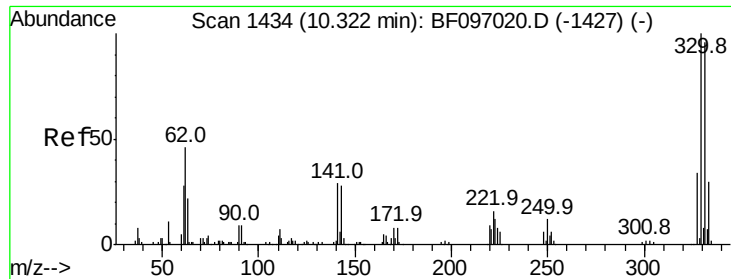
162 104.1 82.6 123.8

160 44.6 36.2 54.2



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

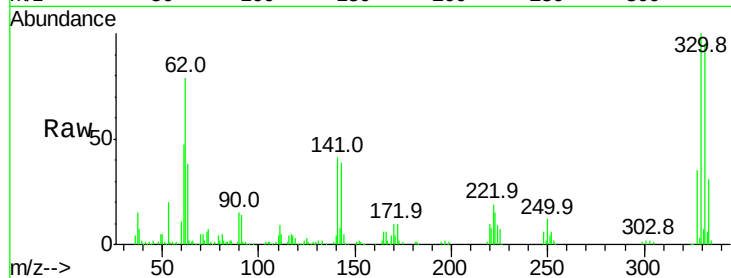




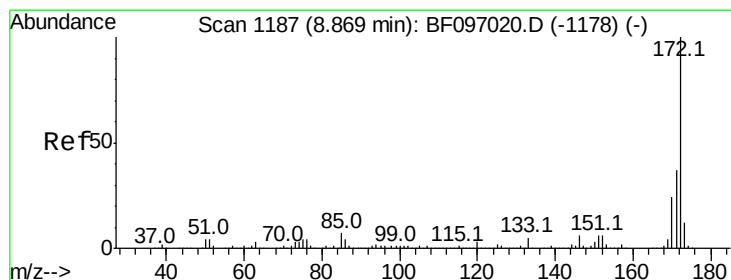
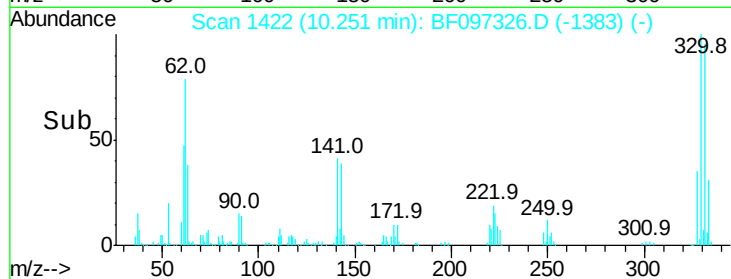
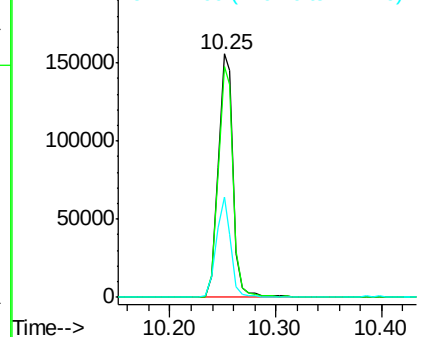
#41
 2,4,6-Tribromophenol
 Concen: 99.688 ng
 RT: 10.25 min Scan# 1422
 Delta R.T. -0.07 min
 Lab File: BF097326.D
 Acq: 3 Aug 2017 19:39

Instrument :
 BNA_F
 ClientSampleId :
 72-11944

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.4	76.6	115.0
141	39.3	31.4	47.2

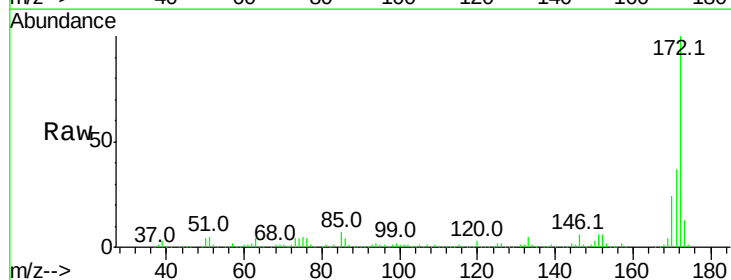


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

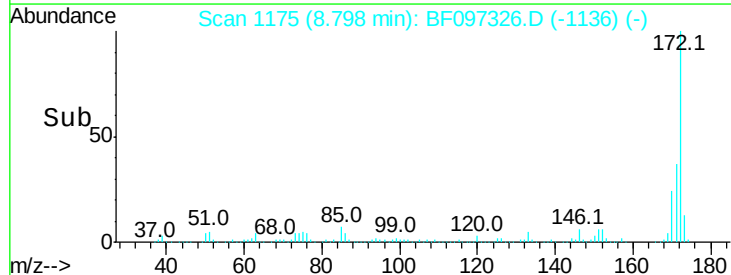
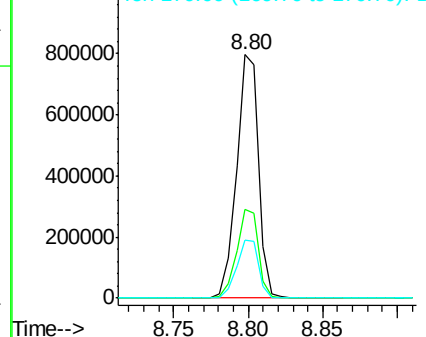


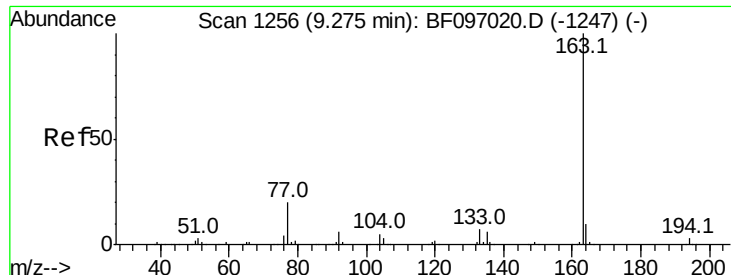
#44
 2-Fluorobiphenyl
 Concen: 69.958 ng
 RT: 8.80 min Scan# 1175
 Delta R.T. -0.07 min
 Lab File: BF097326.D
 Acq: 3 Aug 2017 19:39

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.5	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: 8.943 ng

RT: 9.20 min Scan# 1243

Delta R.T. -0.08 min

Lab File: BF097326.D

Acq: 3 Aug 2017 19:39

Instrument :

BNA_F

ClientSampleId :

72-11944

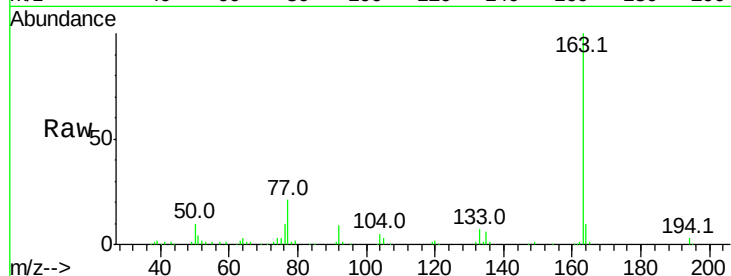
Tot Ion:163 Resp: 135648

Ion Ratio Lower Upper

163 100

194 3.2 2.6 4.0

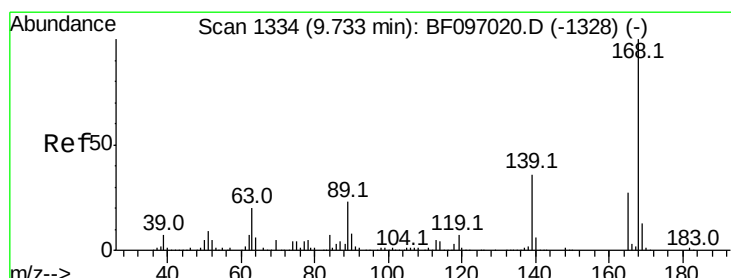
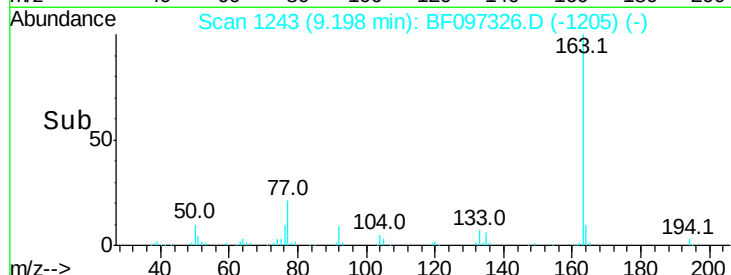
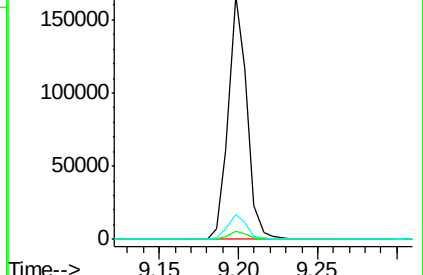
164 10.1 8.4 12.6



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: 6.917 ng

RT: 9.46 min Scan# 1288

Delta R.T. -0.27 min

Lab File: BF097326.D

Acq: 3 Aug 2017 19:39

Tgt Ion:165 Resp: 25581

Ion Ratio Lower Upper

165 100

63 1.5 25.4 38.0#

89 1.9 46.4 69.6#

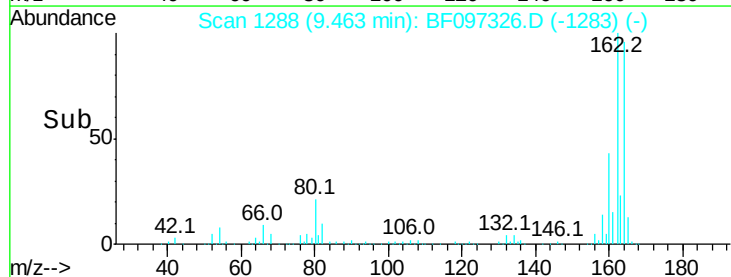
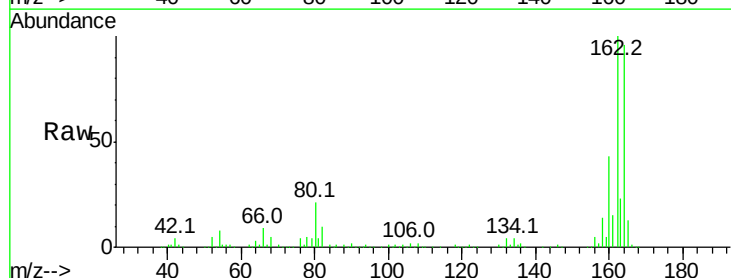
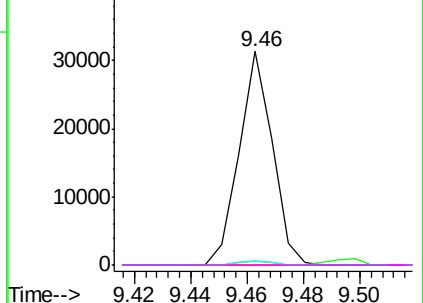
182 0.0 1.8 2.6#

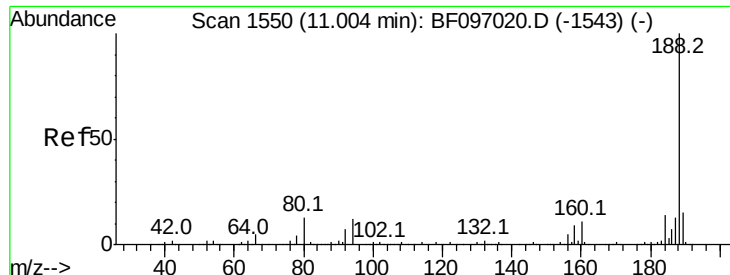
Abundance Ion 165.00 (164.70 to 165.70): E

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

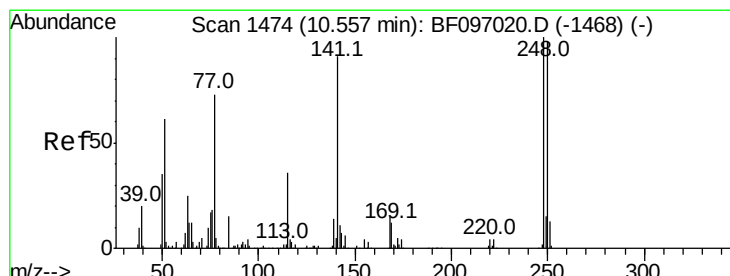
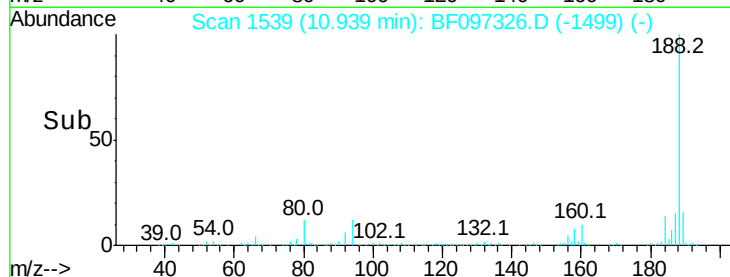
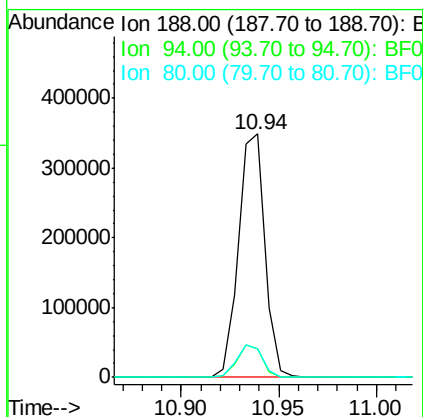
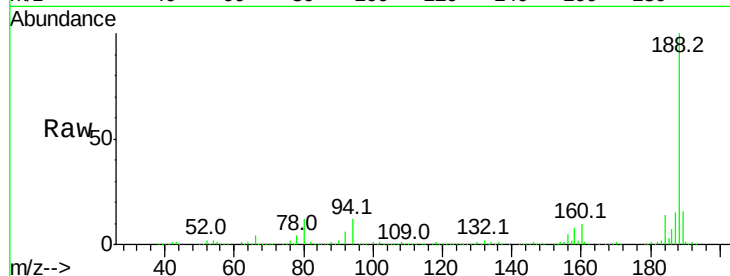




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 10.94 min Scan# 1539
 Delta R.T. -0.06 min
 Lab File: BF097326.D
 Acq: 3 Aug 2017 19:39

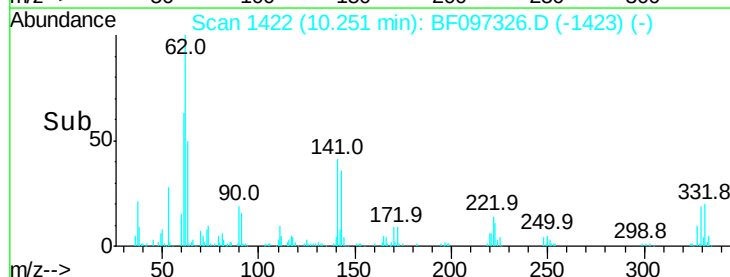
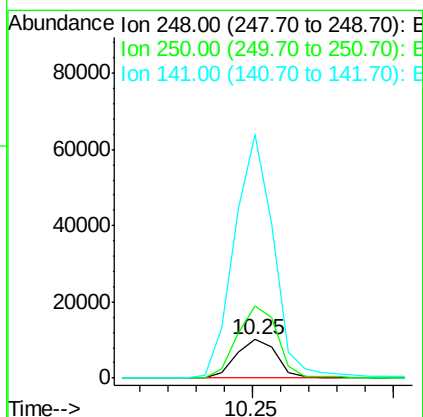
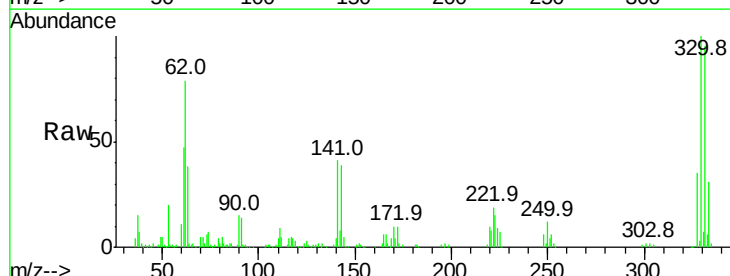
Instrument :
 BNA_F
 ClientSampleId :
 72-11944

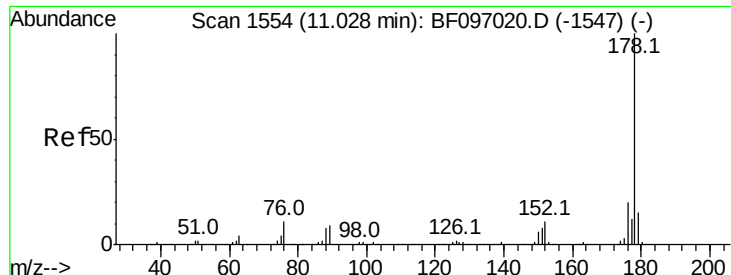
Tot Ion:188 Resp: 327616
 Ion Ratio Lower Upper
 188 100
 94 11.6 9.4 14.2
 80 11.7 10.2 15.2



#66
 4-Bromophenyl-phenylether
 Concen: 3.054 ng
 RT: 10.25 min Scan# 1422
 Delta R.T. -0.31 min
 Lab File: BF097326.D
 Acq: 3 Aug 2017 19:39

Tgt Ion:248 Resp: 9984
 Ion Ratio Lower Upper
 248 100
 250 189.1 76.8 115.2#
 141 632.9 68.6 103.0#

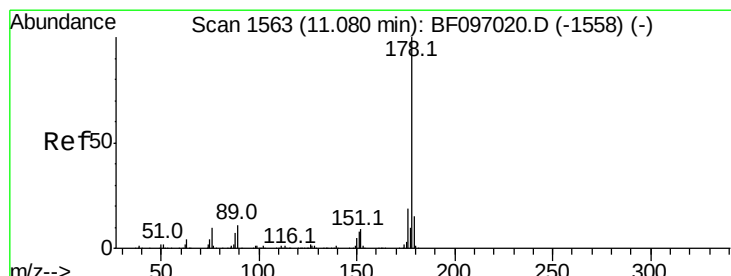
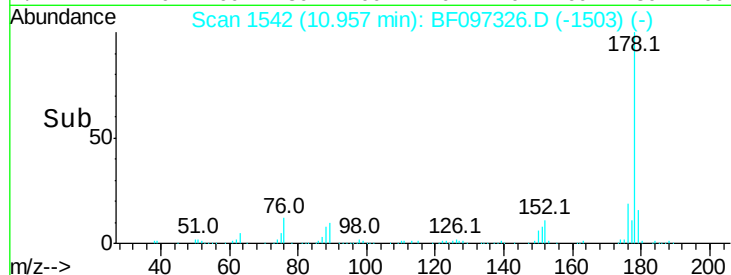
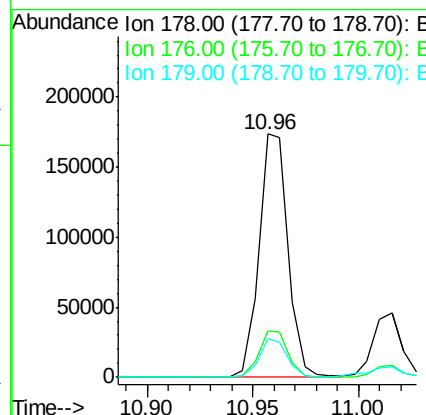
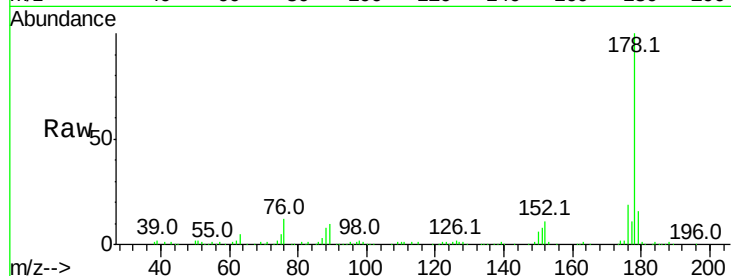




#70
Phenanthrene
Concen: 9.490 ng
RT: 10.96 min Scan# 1542
Delta R.T. -0.07 min
Lab File: BF097326.D
Acq: 3 Aug 2017 19:39

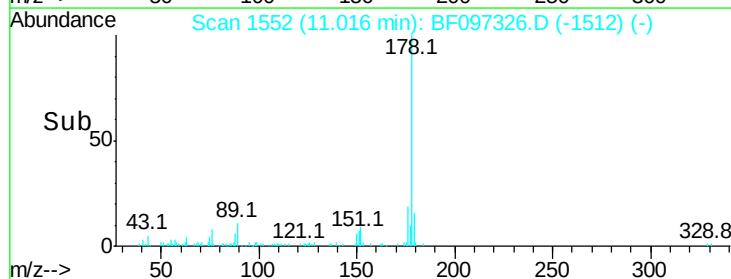
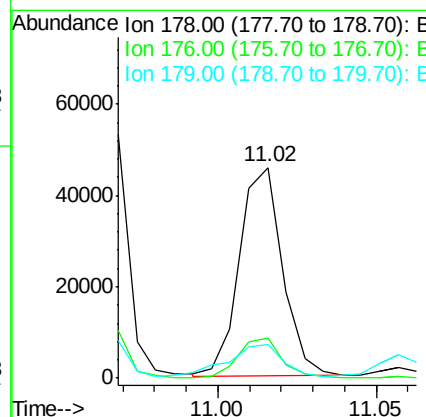
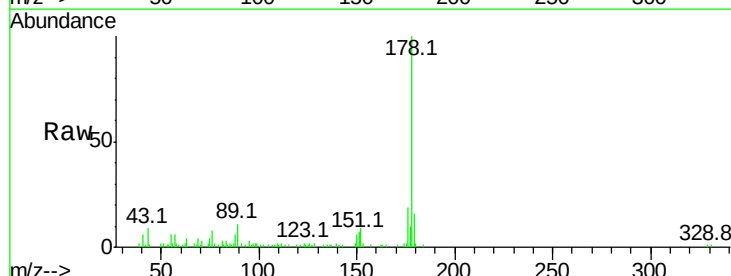
Instrument :
BNA_F
ClientSampleId :
72-11944

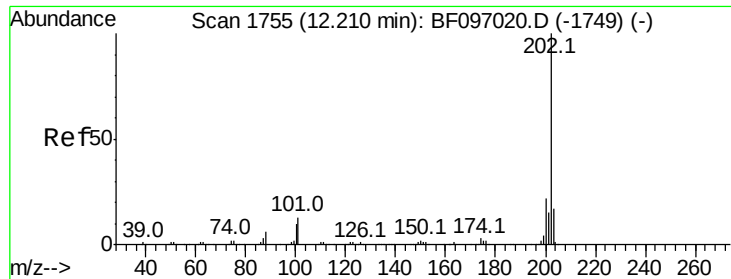
Tot Ion:178 Resp: 166586
Ion Ratio Lower Upper
178 100
176 18.8 16.2 24.4
179 15.9 12.6 19.0



#71
Anthracene
Concen: 2.390 ng
RT: 11.02 min Scan# 1552
Delta R.T. -0.06 min
Lab File: BF097326.D
Acq: 3 Aug 2017 19:39

Tgt Ion:178 Resp: 42972
Ion Ratio Lower Upper
178 100
176 18.8 15.8 23.8
179 15.8 12.7 19.1





#74

Fluoranthene

Concen: 19.894 ng

RT: 12.14 min Scan# 1743

Delta R.T. -0.07 min

Lab File: BF097326.D

Acq: 3 Aug 2017 19:39

Instrument :

BNA_F

ClientSampleId :

72-11944

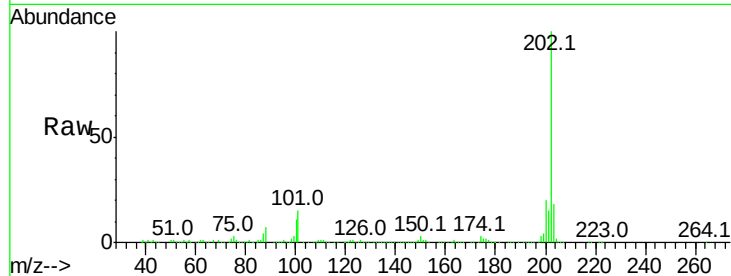
Tot Ion:202 Resp: 342104

Ion Ratio Lower Upper

202 100

101 15.1 0.0 33.2

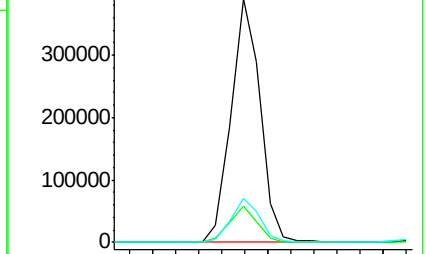
203 17.8 0.0 38.1



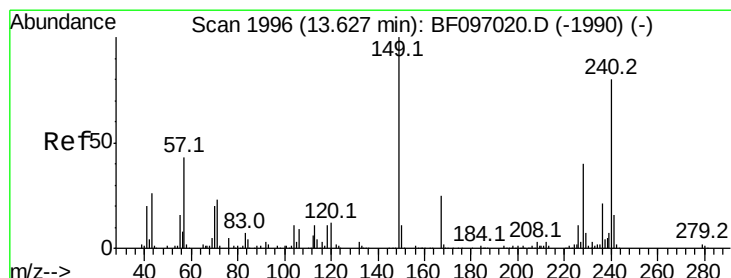
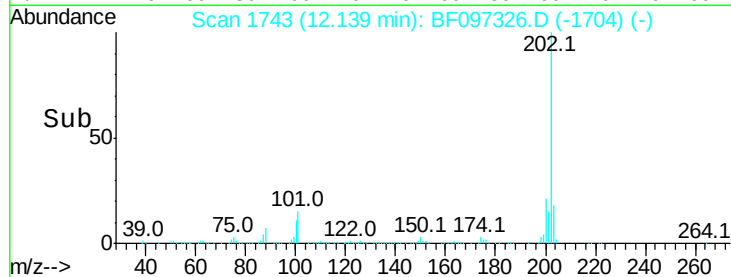
Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



Time-->



#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.56 min Scan# 1984

Delta R.T. -0.07 min

Lab File: BF097326.D

Acq: 3 Aug 2017 19:39

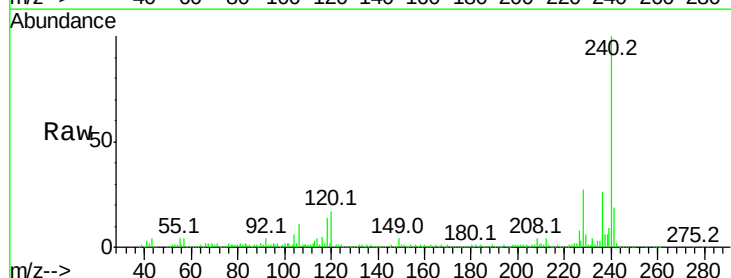
Tgt Ion:240 Resp: 212508

Ion Ratio Lower Upper

240 100

120 17.3 5.8 8.8#

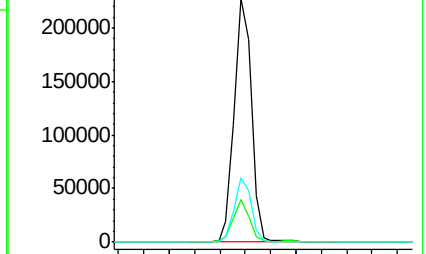
236 26.2 20.5 30.7



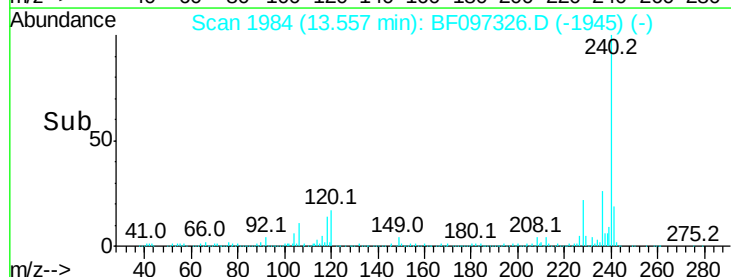
Abundance Ion 240.00 (239.70 to 240.70): E

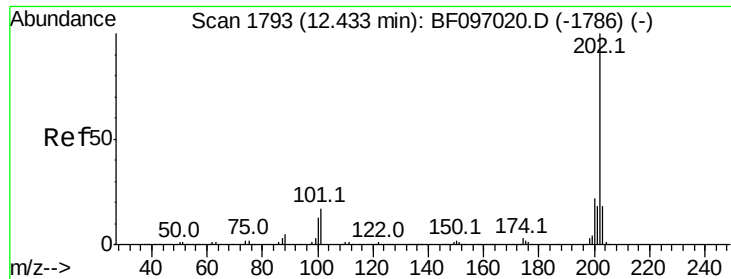
Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



Time-->

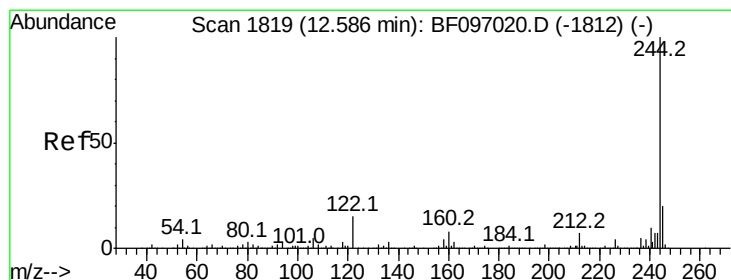
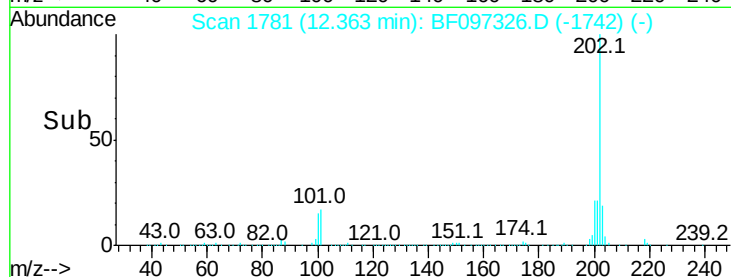
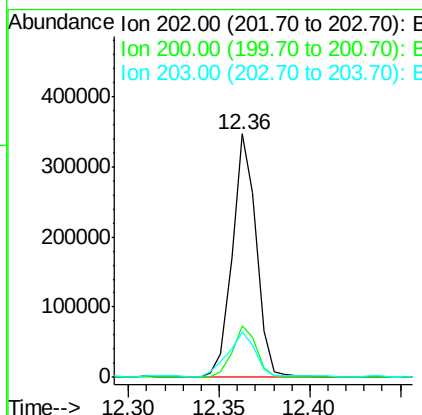
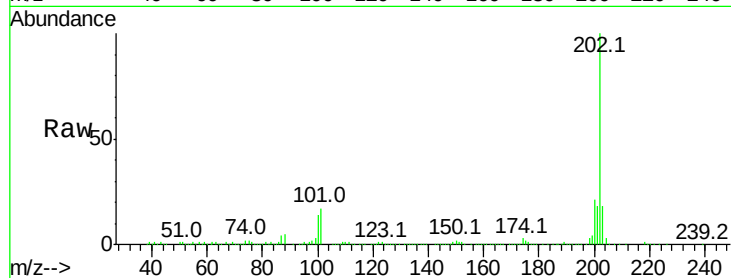




#77
Pvrene
Concen: 18.211 ng
RT: 12.36 min Scan# 1781
Delta R.T. -0.07 min
Lab File: BF097326.D
Acq: 3 Aug 2017 19:39

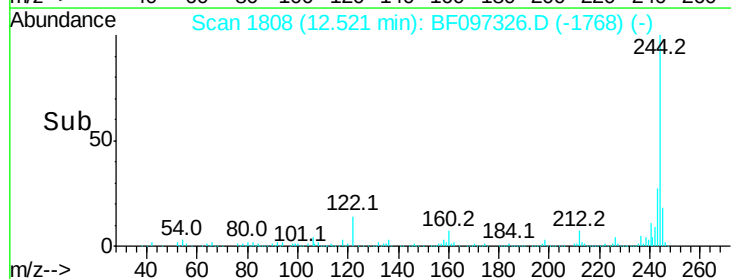
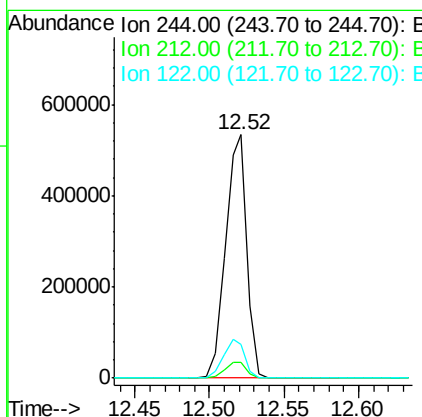
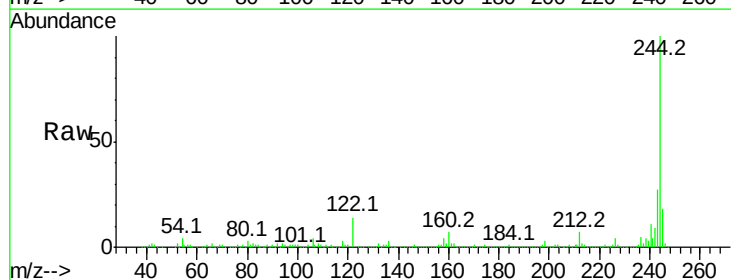
Instrument :
BNA_F
ClientSampleId :
72-11944

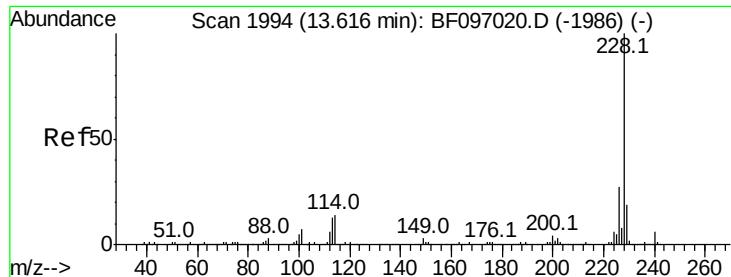
Tot Ion:202 Resp: 316825
Ion Ratio Lower Upper
202 100
200 21.2 17.6 26.4
203 18.4 14.4 21.6



#78
Terphenyl-d14
Concen: 51.420 ng
RT: 12.52 min Scan# 1808
Delta R.T. -0.06 min
Lab File: BF097326.D
Acq: 3 Aug 2017 19:39

Tgt Ion:244 Resp: 535946
Ion Ratio Lower Upper
244 100
212 6.7 6.0 9.0
122 13.9 10.3 15.5





#80

Benzo(a)anthracene

Concen: 11.419 ng

RT: 13.55 min Scan# 1983

Delta R.T. -0.06 min

Lab File: BF097326.D

Acq: 3 Aug 2017 19:39

Instrument :

BNA_F

ClientSampleId :

72-11944

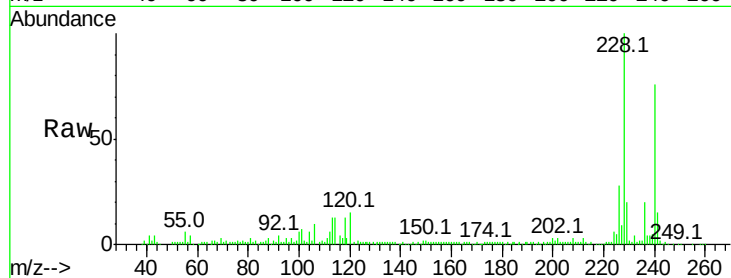
Tot Ion:228 Resp: 157018

Ion Ratio Lower Upper

228 100

226 27.6 22.6 33.8

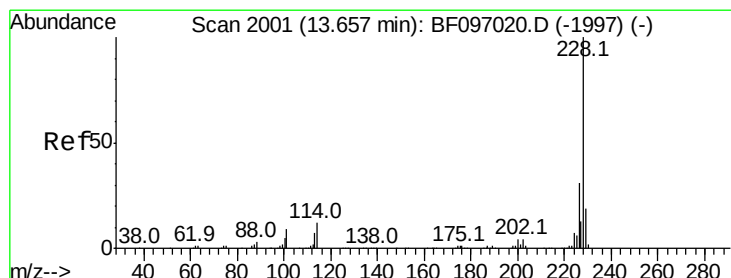
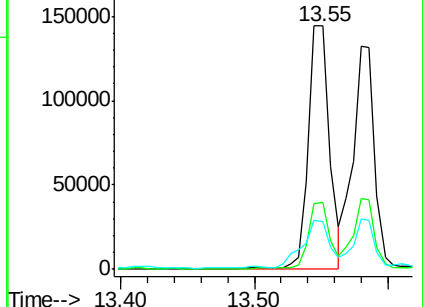
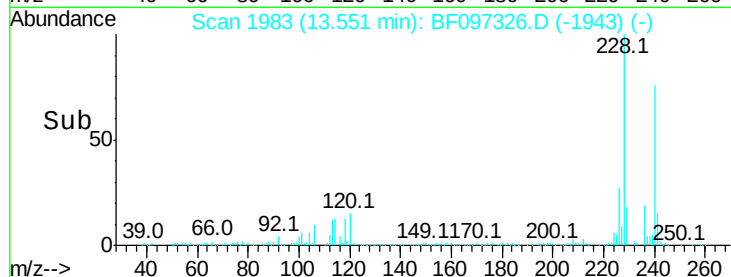
229 19.6 16.3 24.5



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



#82

Chrysene

Concen: 11.219 ng

RT: 13.58 min Scan# 1988

Delta R.T. -0.08 min

Lab File: BF097326.D

Acq: 3 Aug 2017 19:39

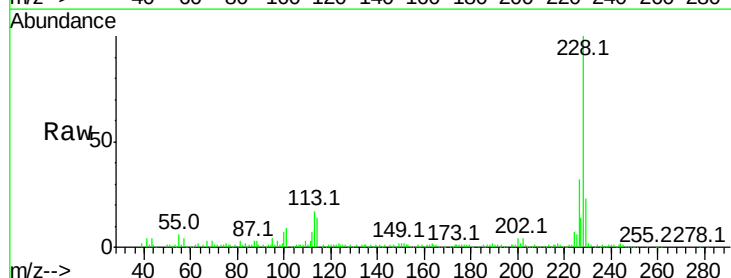
Tgt Ion:228 Resp: 150636

Ion Ratio Lower Upper

228 100

226 31.7 24.9 37.3

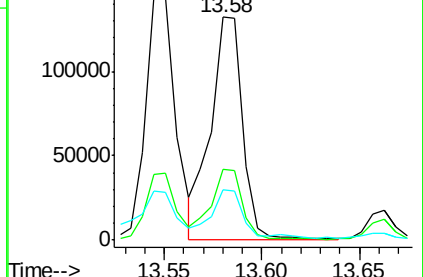
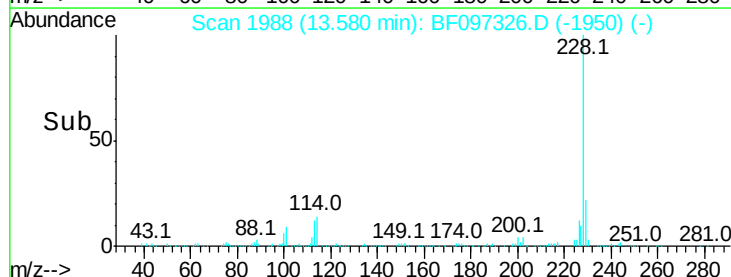
229 22.8 15.8 23.6

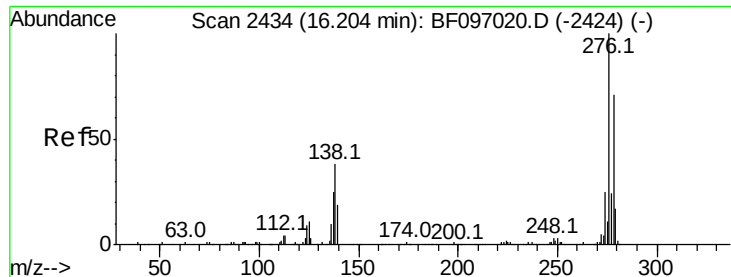


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

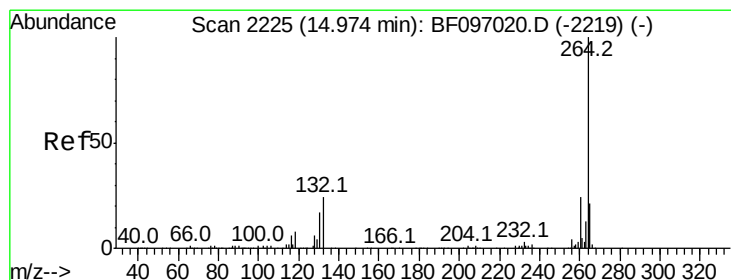
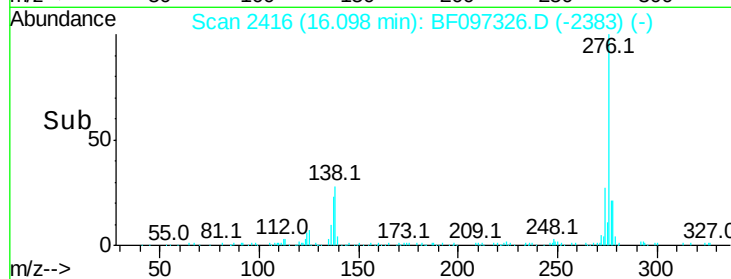
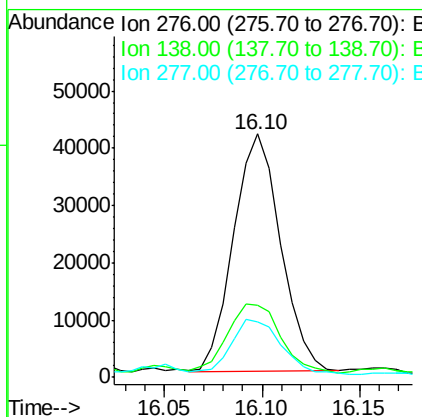
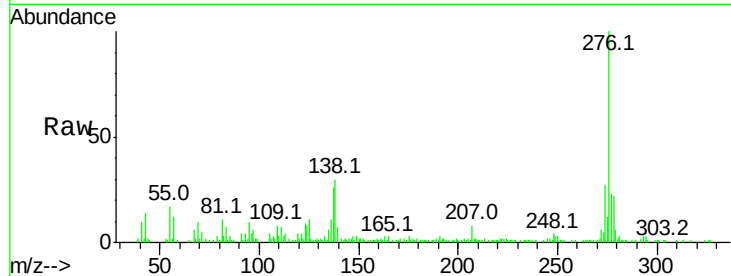




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 6.005 ng
 RT: 16.10 min Scan# 2416
 Delta R.T. -0.11 min
 Lab File: BF097326.D
 Acq: 3 Aug 2017 19:39

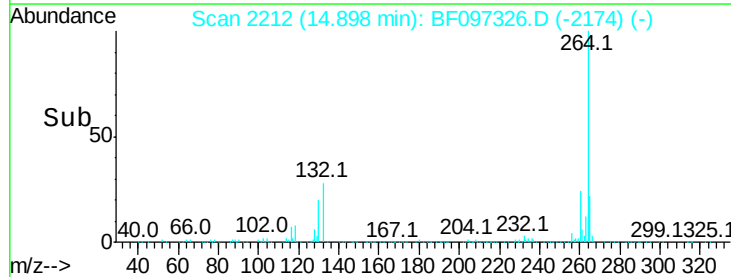
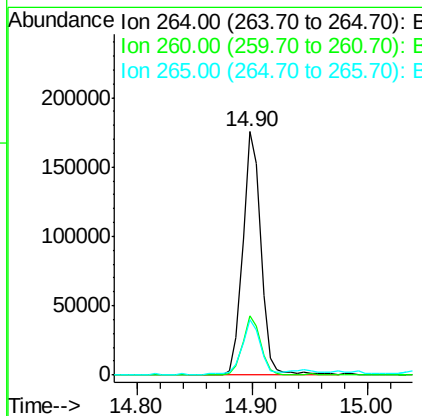
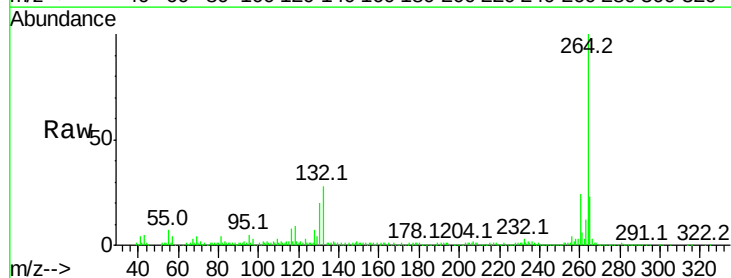
Instrument :
 BNA_F
 ClientSampleId :
 72-11944

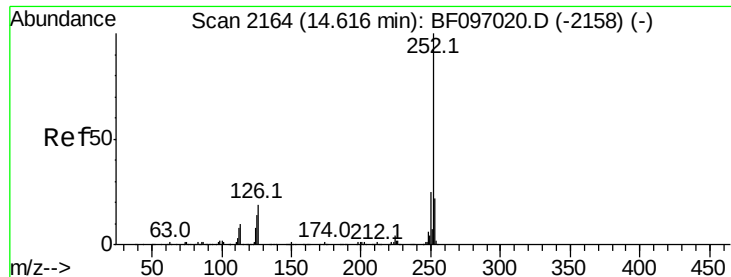
Tot Ion:276 Resp: 69140
 Ion Ratio Lower Upper
 276 100
 138 33.6 27.8 41.6
 277 25.1 20.2 30.4



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 14.90 min Scan# 2212
 Delta R.T. -0.08 min
 Lab File: BF097326.D
 Acq: 3 Aug 2017 19:39

Tgt Ion:264 Resp: 192567
 Ion Ratio Lower Upper
 264 100
 260 24.4 19.5 29.3
 265 22.6 17.2 25.8

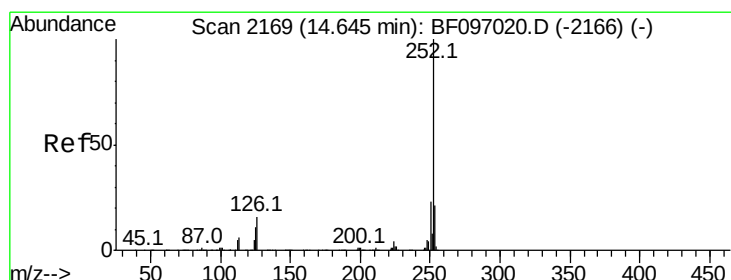
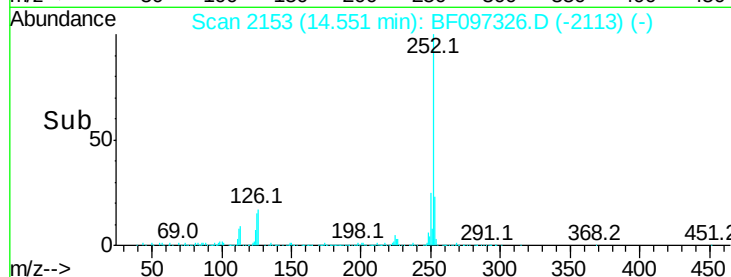
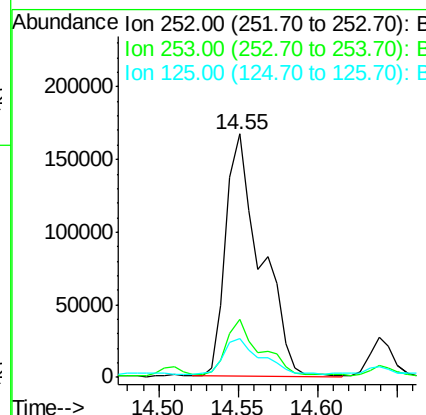
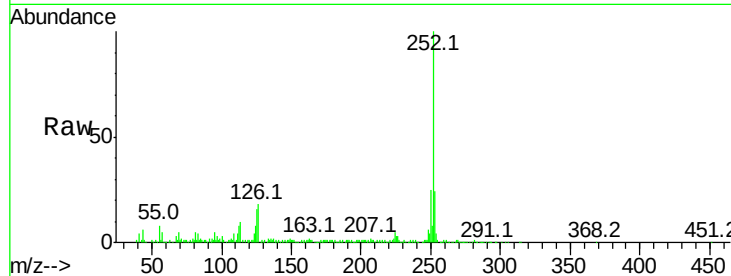




#87
Benzo(b)fluoranthene
Concen: 22.159 ng
RT: 14.55 min Scan# 2153
Delta R.T. -0.06 min
Lab File: BF097326.D
Acq: 3 Aug 2017 19:39

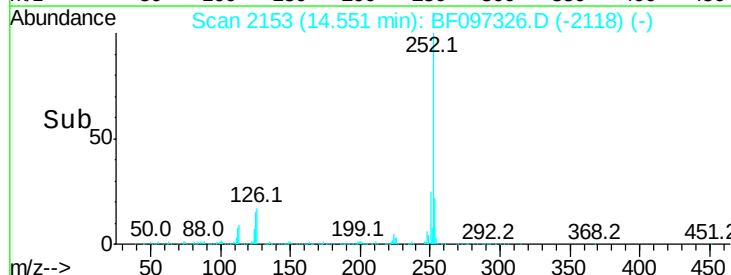
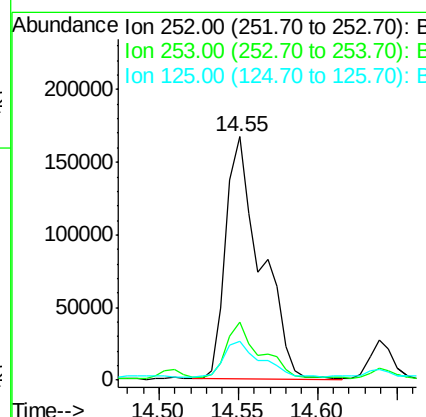
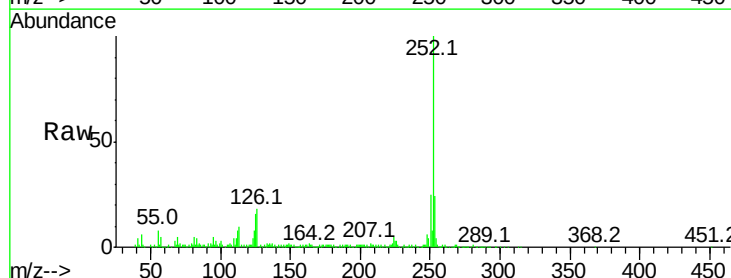
Instrument :
BNA_F
ClientSampleId :
72-11944

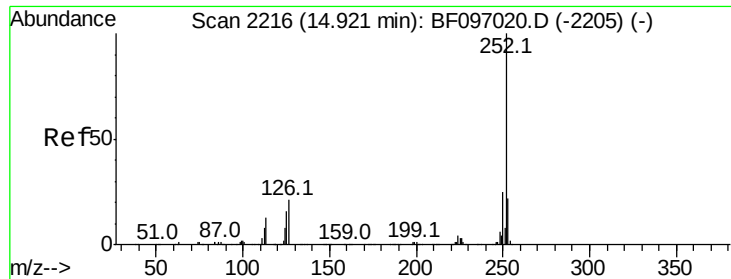
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.6	18.1	27.1
125	15.9	9.8	14.8



#88
Benzo(k)fluoranthene
Concen: 23.254 ng
RT: 14.55 min Scan# 2153
Delta R.T. -0.09 min
Lab File: BF097326.D
Acq: 3 Aug 2017 19:39

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	18.4	27.6
125	15.9	13.1	19.7

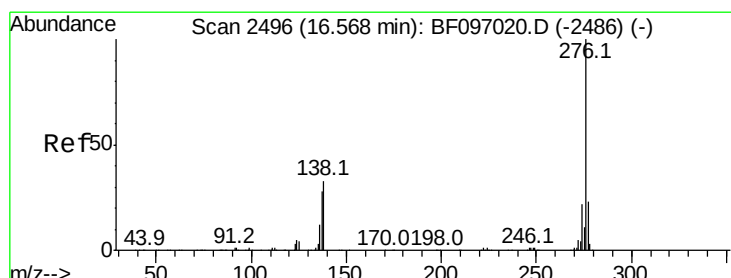
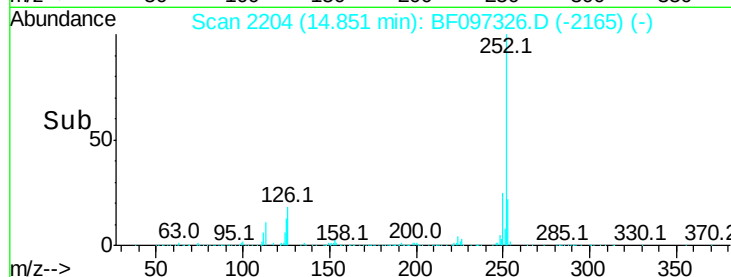
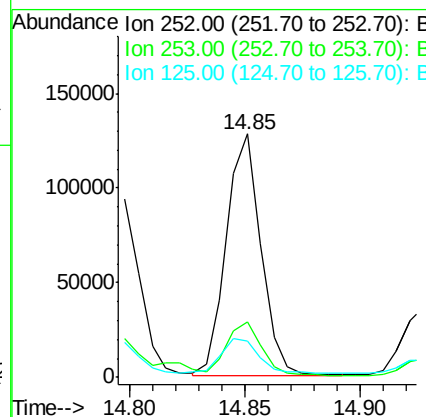
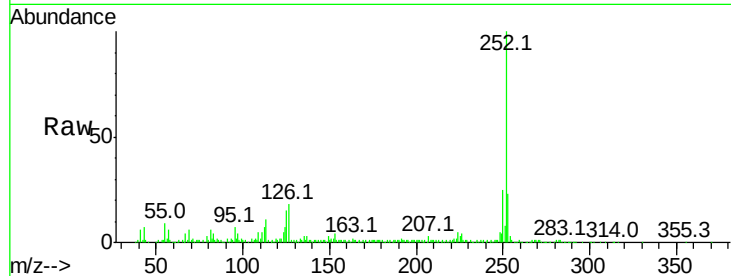




#89
Benzo(a)pyrene
Concen: 12.565 ng
RT: 14.85 min Scan# 2204
Delta R.T. -0.07 min
Lab File: BF097326.D
Acq: 3 Aug 2017 19:39

Instrument :
BNA_F
ClientSampleId :
72-11944

Tot Ion:252 Resp: 133115
Ion Ratio Lower Upper
252 100
253 22.7 17.5 26.3
125 15.0 11.0 16.4



#91
Benzo(g,h,i)perylene
Concen: 8.072 ng
RT: 16.45 min Scan# 2476
Delta R.T. -0.12 min
Lab File: BF097326.D
Acq: 3 Aug 2017 19:39

Tgt Ion:276 Resp: 73542
Ion Ratio Lower Upper
276 100
277 24.2 18.6 28.0
138 33.4 25.4 38.0

