

Data Path : Z:\HPCHEM1\BNA F\DATA\BF083017\
 Data File : BF098169.D
 Acq On : 30 Aug 2017 21:30
 Operator : SJ/JU
 Sample : I4980-01
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 31 06:45:33 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	6.72	152	112636	20.00	ng	-0.03
21) Naphthalene-d8	8.00	136	443972	20.00	ng	-0.03
38) Acenaphthene-d10	9.76	164	184556	20.00	ng	-0.03
63) Phenanthrene-d10	11.24	188	301897	20.00	ng	-0.02
75) Chrysene-d12	13.87	240	215777	20.00	ng	-0.02
86) Perylene-d12	15.31	264	196558	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.33	112	895307	120.91	ng	-0.02
7) Phenol-d6	6.36	99	1223817	121.64	ng	-0.02
23) Nitrobenzene-d5	7.29	82	740215	90.57	ng	-0.03
41) 2,4,6-Tribromophenol	10.54	330	188047	117.43	ng	-0.03
44) 2-Fluorobiphenyl	9.09	172	1039671	82.77	ng	-0.02
78) Terphenyl-d14	12.83	244	674584	65.19	ng	-0.02

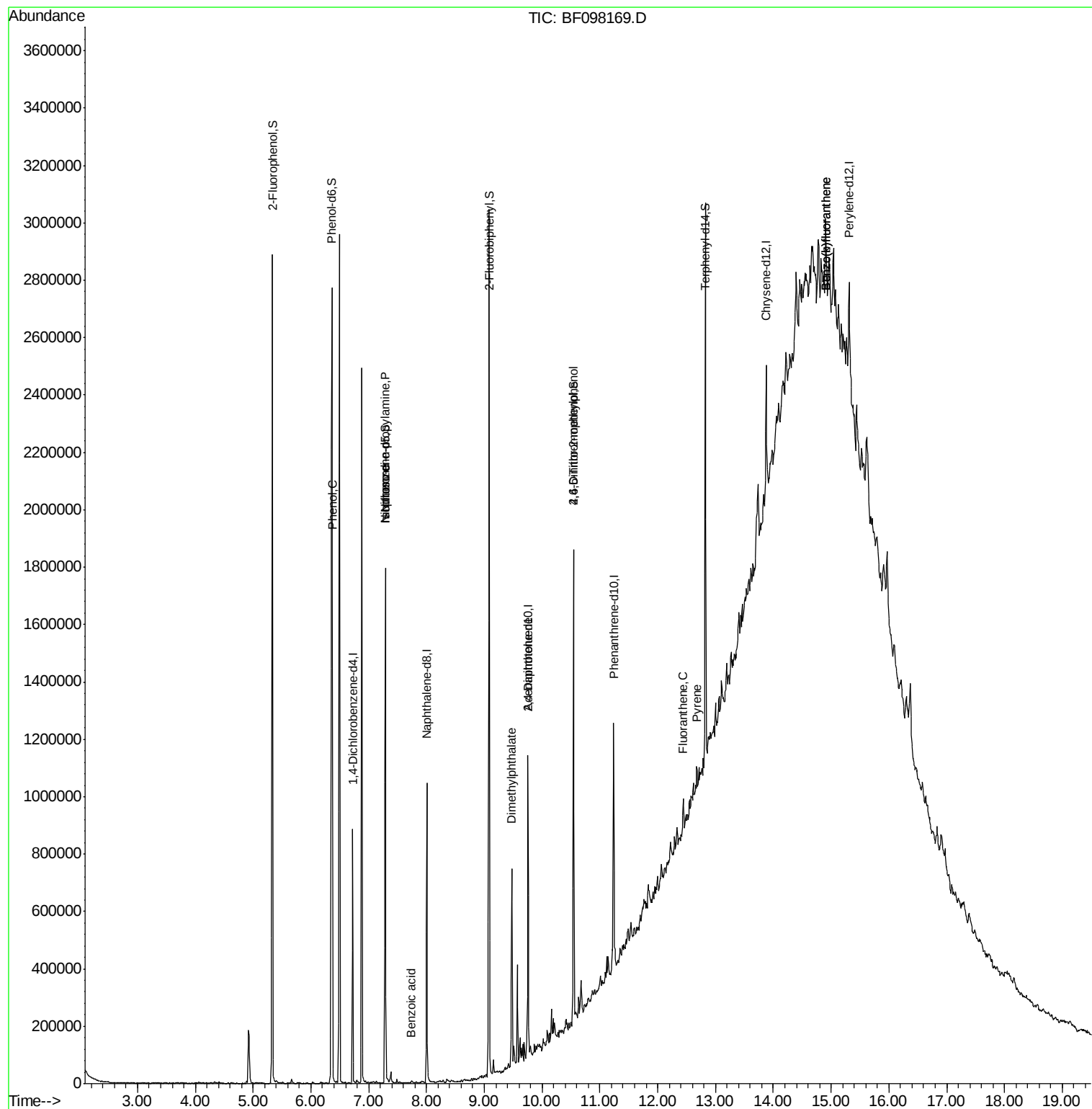
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.37	94	49374	4.196	ng	88
19) n-Nitroso-di-n-propylamine	7.29	70	96546	14.018	ng	# 70
25) Isophorone	7.29	82	733798	43.180	ng	# 67
32) Benzoic acid	7.73	122	114	6.424	ng	# 66
49) Dimethylphthalate	9.47	163	258615	19.170	ng	100
56) 2,4-Dinitrotoluene	9.76	165	25730	7.614	ng	# 34
64) 4,6-Dinitro-2-methylphenol	10.54	198	531	8.629	ng	# 1
74) Fluoranthene	12.44	202	38936	2.319	ng	90
77) Pyrene	12.67	202	36923	2.092	ng	# 92
87) Benzo(b)fluoranthene	14.90	252	29013	2.342	ng	# 1
88) Benzo(k)fluoranthene	14.90	252	29013	2.492	ng	# 1

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

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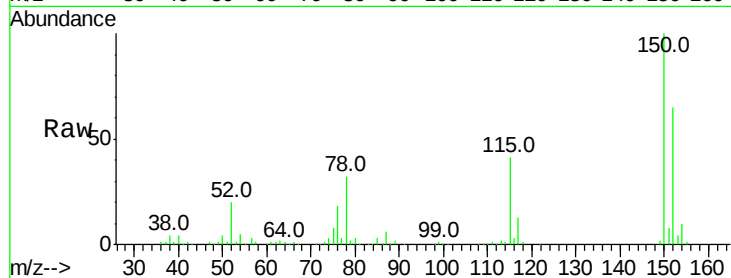


#1

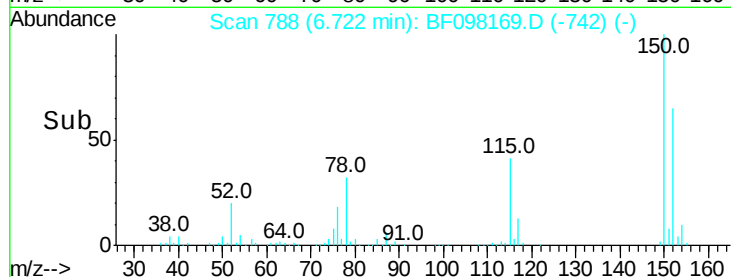
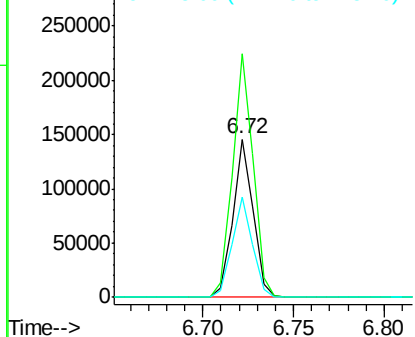
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 788
Delta R.T. -0.03 min
Lab File: BF098169.D
Acq: 30 Aug 2017 21:30

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 112636
Ion Ratio Lower Upper
152 100
150 154.2 126.2 189.2
115 63.8 52.2 78.2



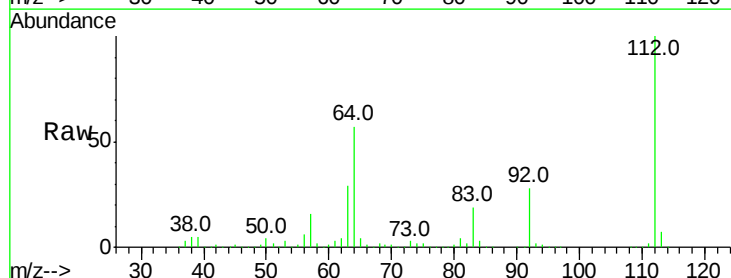
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



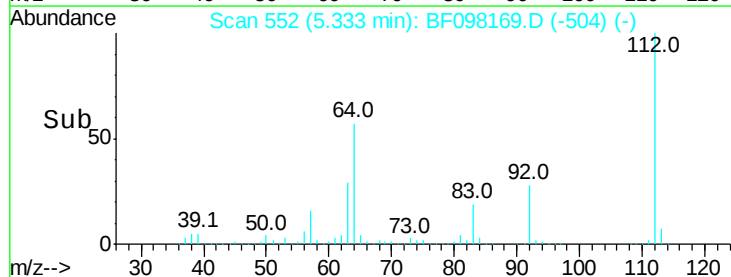
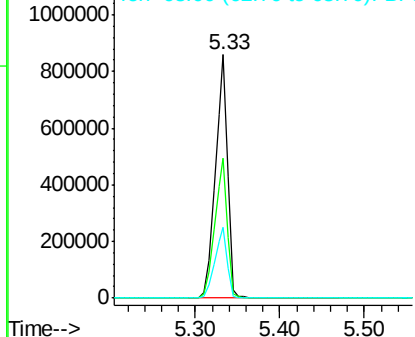
#5

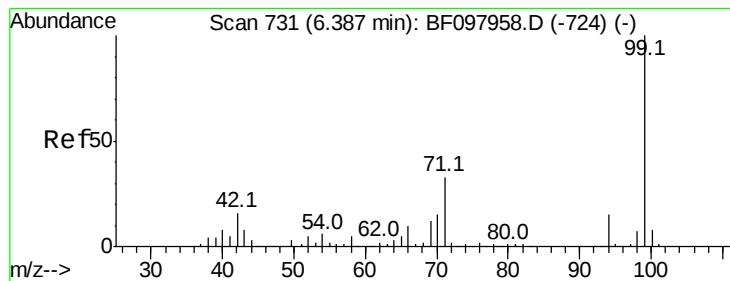
2-Fluorophenol
Concen: 120.905 ng
RT: 5.33 min Scan# 552
Delta R.T. -0.02 min
Lab File: BF098169.D
Acq: 30 Aug 2017 21:30

Tgt Ion:112 Resp: 895307
Ion Ratio Lower Upper
112 100
64 57.4 46.0 69.0
63 29.0 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: 121.636 ng

RT: 6.36 min Scan# 727

Delta R.T. -0.02 min

Lab File: BF098169.D

Acq: 30 Aug 2017 21:30

Instrument :

BNA_F

ClientSampled :

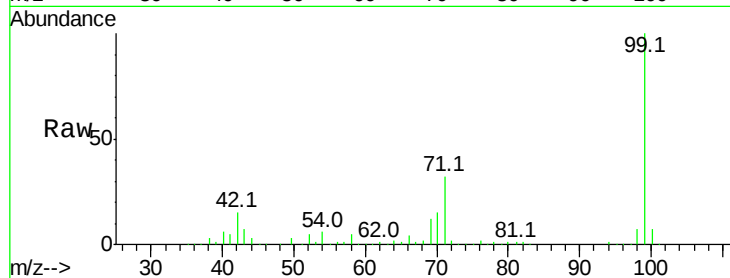
Tot Ion: 99 Resp: 1223817

Ion Ratio Lower Upper

99 100

42 14.9 13.5 20.3

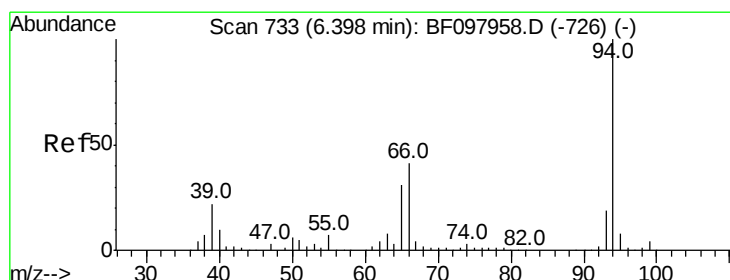
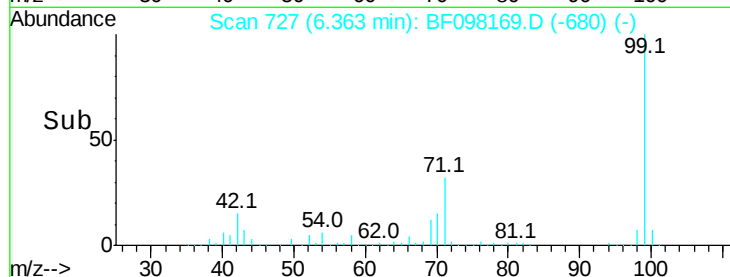
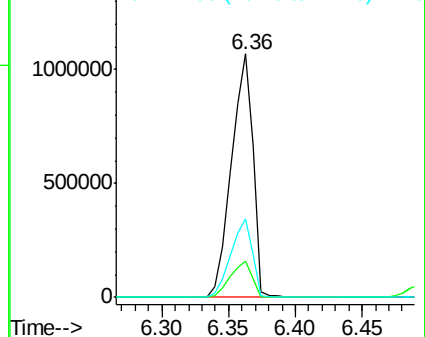
71 32.1 24.5 36.7



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#10

Phenol

Concen: 4.196 ng

RT: 6.37 min Scan# 729

Delta R.T. -0.02 min

Lab File: BF098169.D

Acq: 30 Aug 2017 21:30

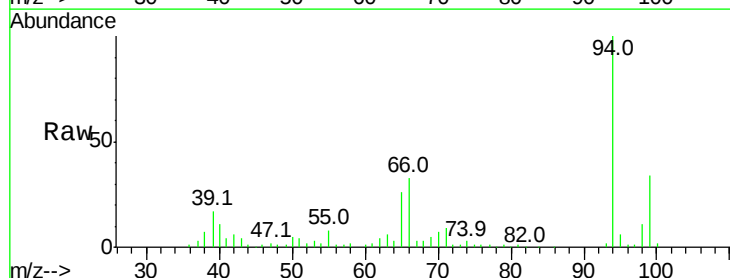
Tgt Ion: 94 Resp: 49374

Ion Ratio Lower Upper

94 100

65 25.9 9.9 49.9

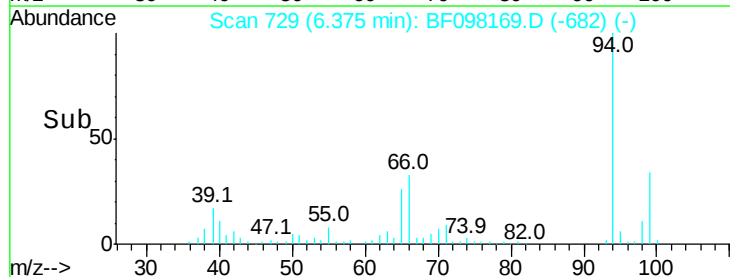
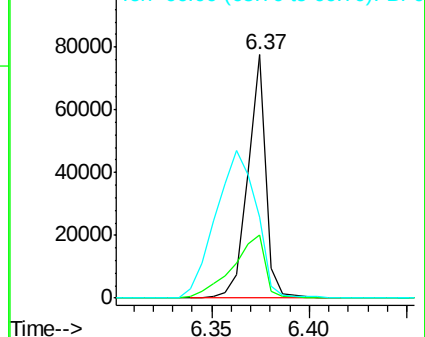
66 33.2 23.1 63.1

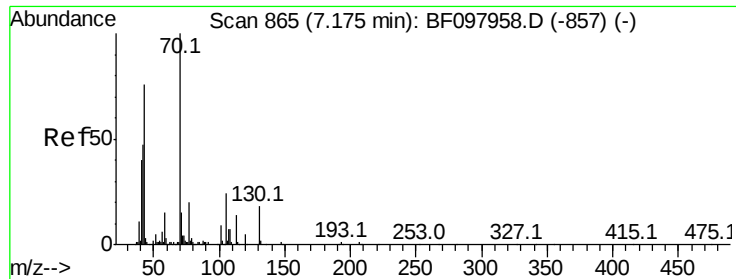


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

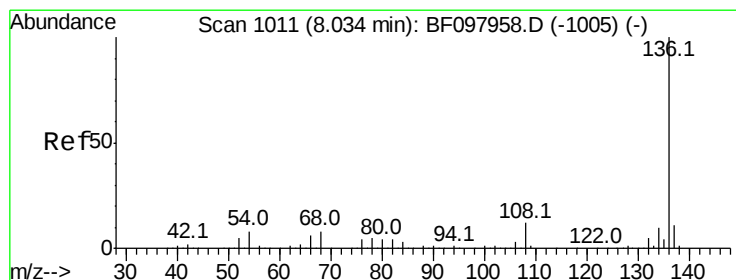
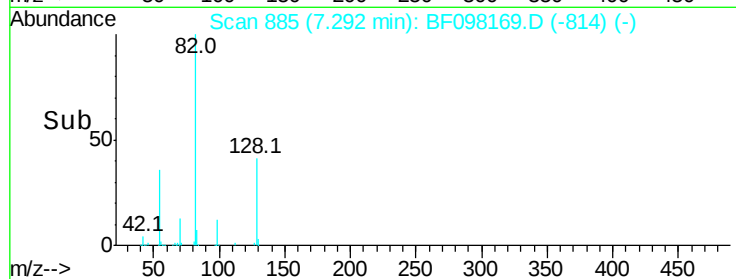
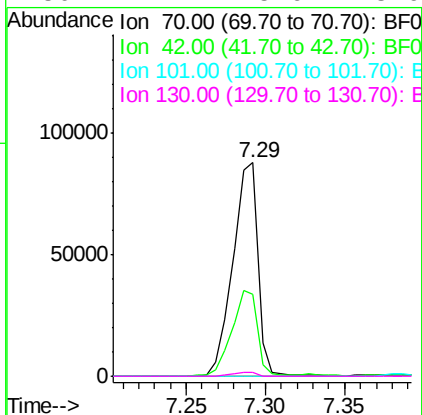
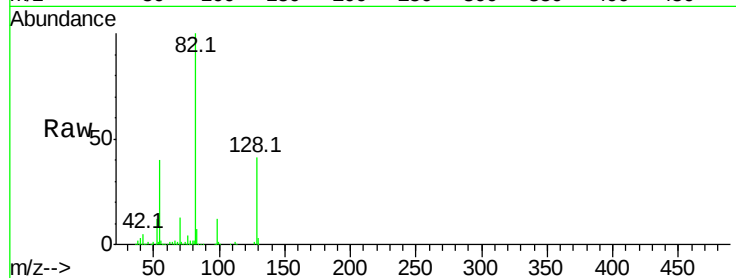




#19
n-Nitroso-di-n-propylamine
Concen: 14.018 ng
RT: 7.29 min Scan# 885
Delta R.T. 0.12 min
Lab File: BF098169.D
Acq: 30 Aug 2017 21:30

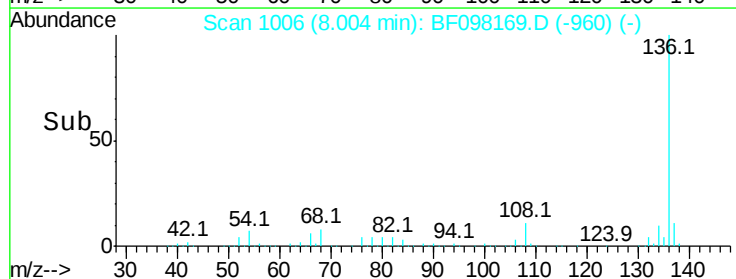
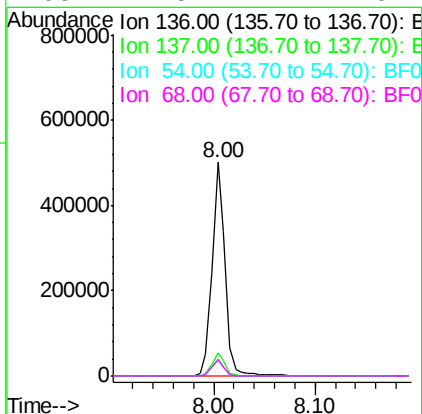
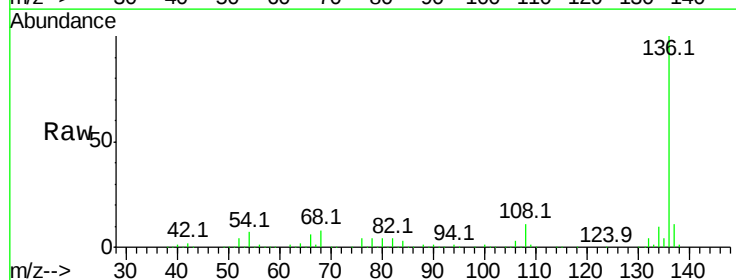
Instrument :
BNA_F
ClientSampleId :

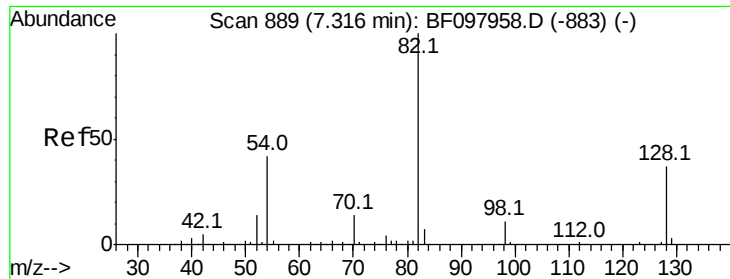
Tot Ion:	70	Resp:	96546
Ion	Ratio	Lower	Upper
70	100		
42	38.2	47.2	70.8#
101	0.0	7.2	10.8#
130	2.1	15.9	23.9#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.00 min Scan# 1006
Delta R.T. -0.03 min
Lab File: BF098169.D
Acq: 30 Aug 2017 21:30

Tgt Ion:	136	Resp:	443972
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.5	12.7
54	7.4	4.9	7.3#
68	7.5	4.1	6.1#

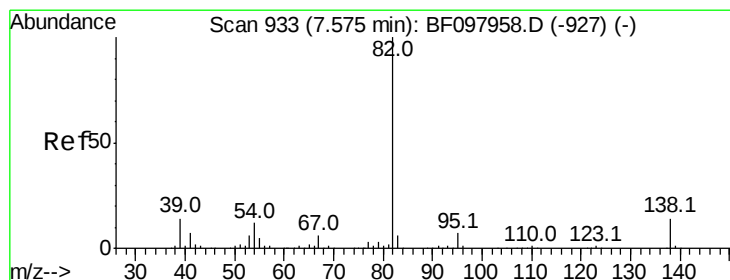
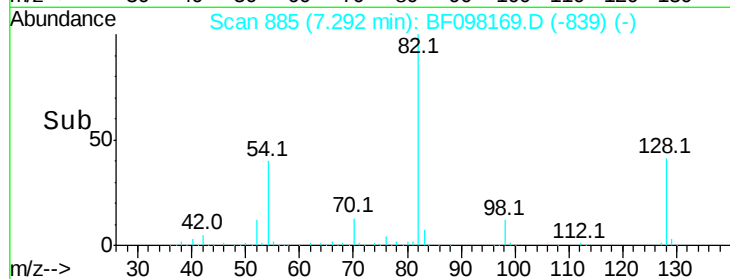
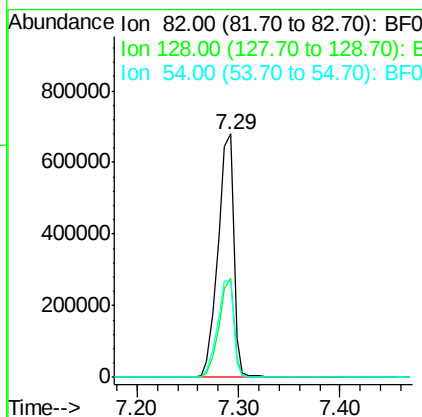
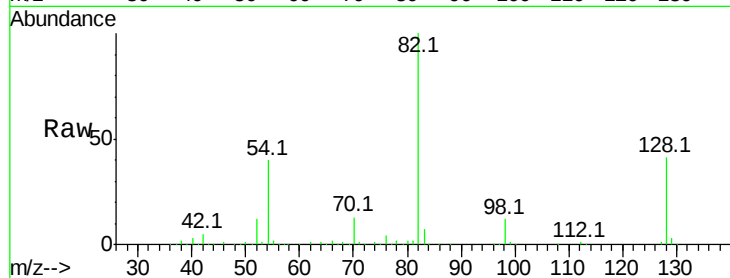




#23
 Nitrobenzene-d5
 Concen: 90.573 ng
 RT: 7.29 min Scan# 885
 Delta R.T. -0.03 min
 Lab File: BF098169.D
 Acq: 30 Aug 2017 21:30

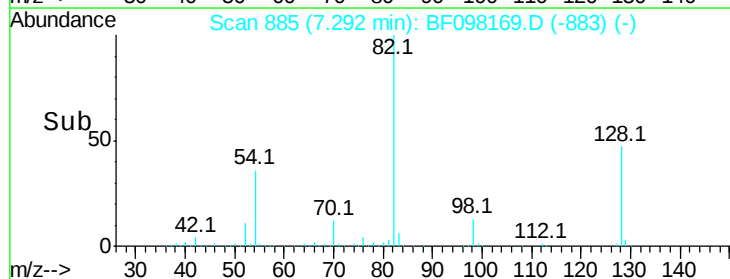
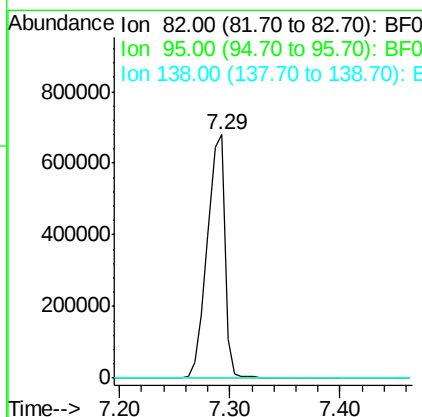
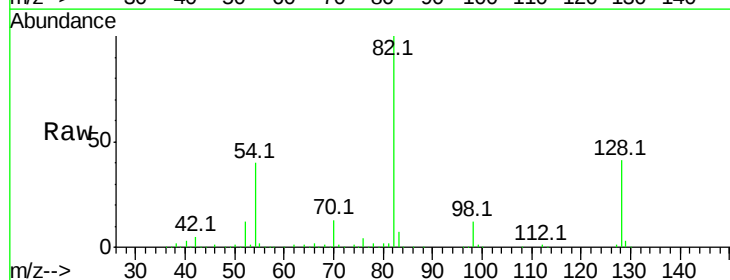
Instrument :
 BNA_F
 ClientSampleId :

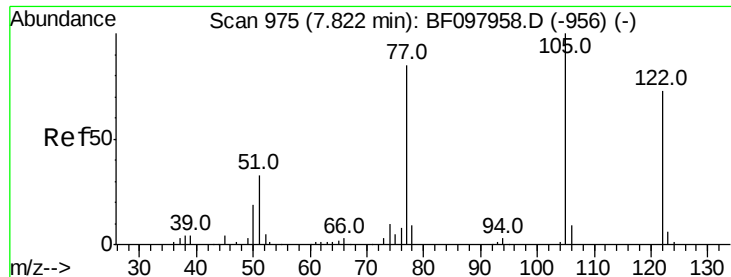
Tot Ion: 82 Resp: 740215
 Ion Ratio Lower Upper
 82 100
 128 40.7 34.0 51.0
 54 39.7 42.2 63.2#



#25
 Isophorone
 Concen: 43.180 ng
 RT: 7.29 min Scan# 885
 Delta R.T. -0.29 min
 Lab File: BF098169.D
 Acq: 30 Aug 2017 21:30

Tgt Ion: 82 Resp: 733798
 Ion Ratio Lower Upper
 82 100
 95 0.0 5.3 7.9#
 138 0.0 13.1 19.7#

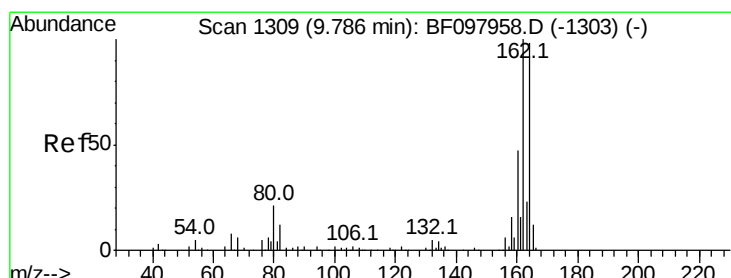
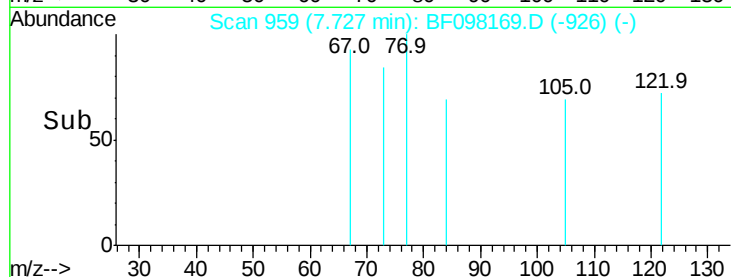
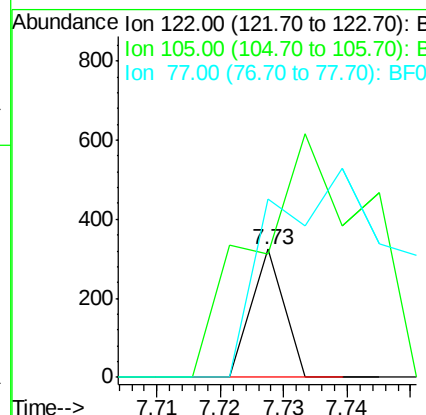
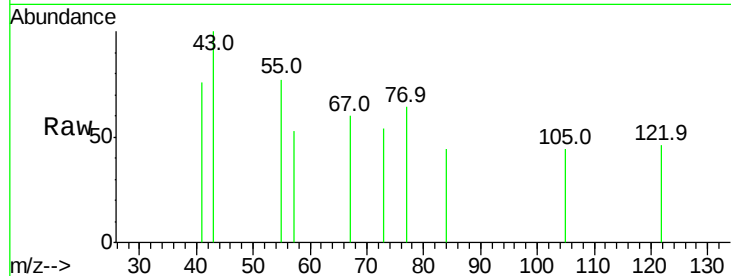




#32
Benzoic acid
Concen: 6.424 ng
RT: 7.73 min Scan# 959
Delta R.T. -0.11 min
Lab File: BF098169.D
Acq: 30 Aug 2017 21:30

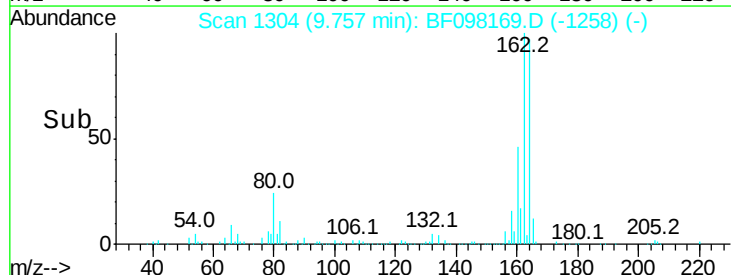
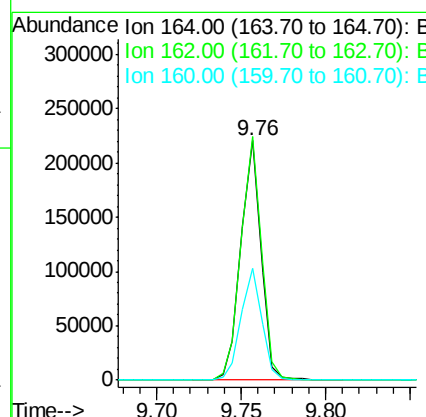
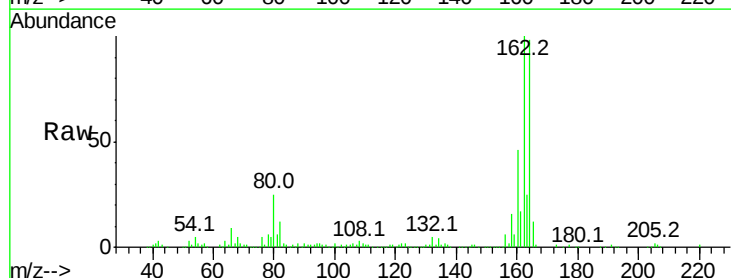
Instrument :
BNA_F
ClientSampled :

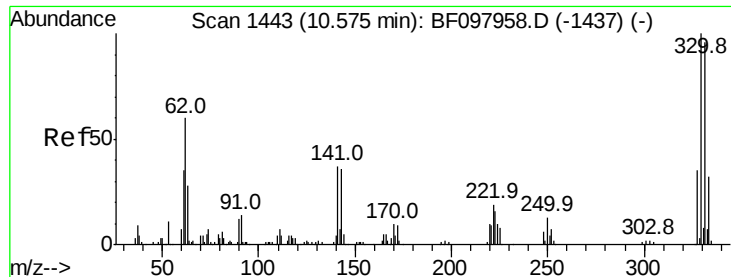
Tot Ion:122 Resp: 114
Ion Ratio Lower Upper
122 100
105 96.0 103.3 143.3#
77 139.2 73.7 113.7#



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.76 min Scan# 1304
Delta R.T. -0.03 min
Lab File: BF098169.D
Acq: 30 Aug 2017 21:30

Tgt Ion:164 Resp: 184556
Ion Ratio Lower Upper
164 100
162 101.8 82.6 123.8
160 46.5 36.2 54.2

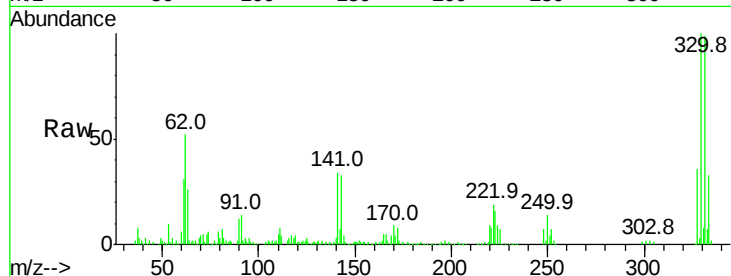




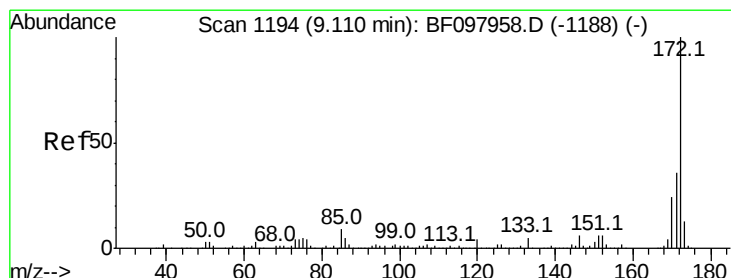
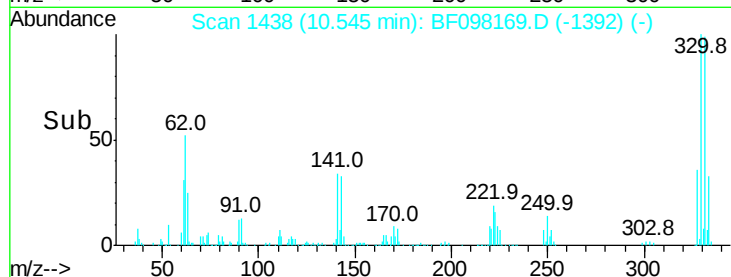
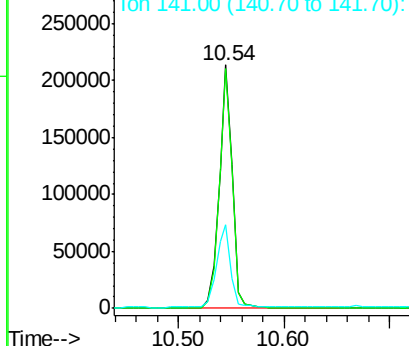
#41
 2,4,6-Tribromophenol
 Concen: 117.432 ng
 RT: 10.54 min Scan# 1438
 Delta R.T. -0.03 min
 Lab File: BF098169.D
 Acq: 30 Aug 2017 21:30

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 188047
 Ion Ratio Lower Upper
 330 100
 332 98.3 76.6 115.0
 141 36.7 31.4 47.2

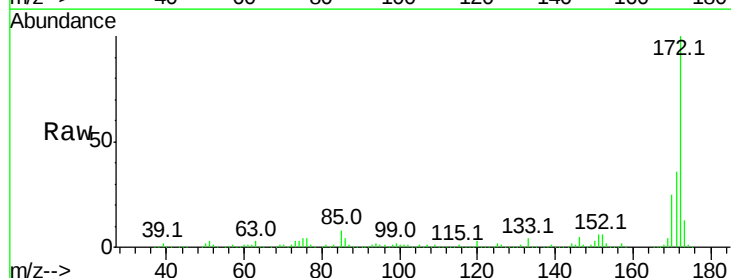


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

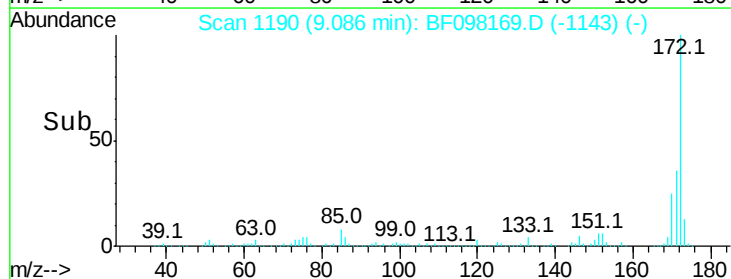
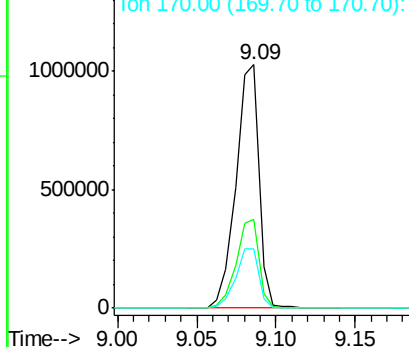


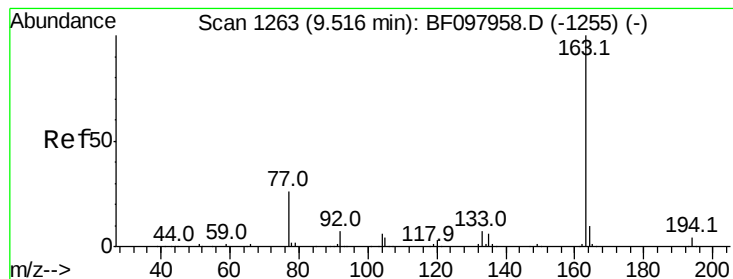
#44
 2-Fluorobiphenyl
 Concen: 82.766 ng
 RT: 9.09 min Scan# 1190
 Delta R.T. -0.02 min
 Lab File: BF098169.D
 Acq: 30 Aug 2017 21:30

Tgt Ion:172 Resp: 1039671
 Ion Ratio Lower Upper
 172 100
 171 36.4 29.6 44.4
 170 24.6 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: 19.170 ng

RT: 9.47 min Scan# 1256

Delta R.T. -0.04 min

Lab File: BF098169.D

Acq: 30 Aug 2017 21:30

Instrument :

BNA_F

ClientSampleId :

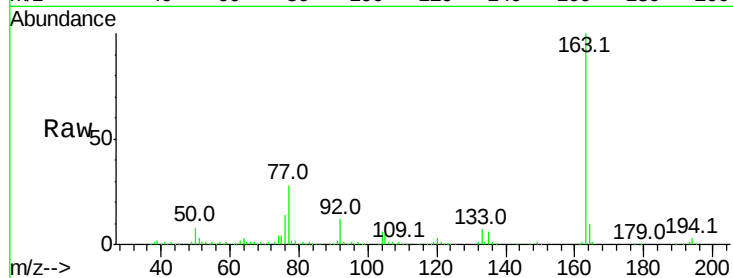
Tot Ion:163 Resp: 258615

Ion Ratio Lower Upper

163 100

194 3.4 2.6 4.0

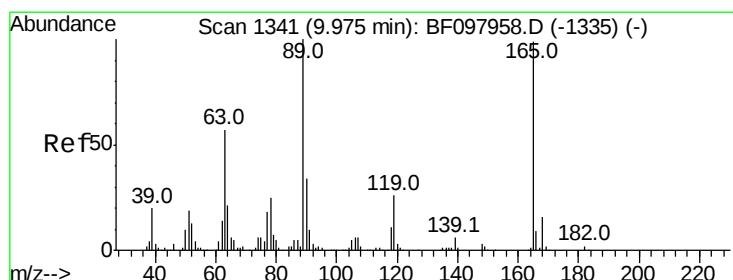
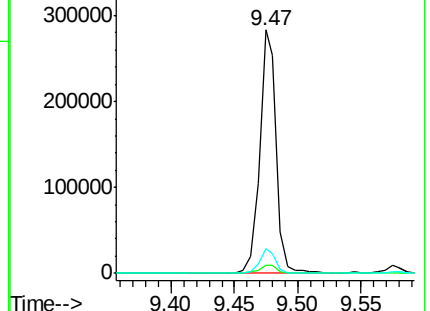
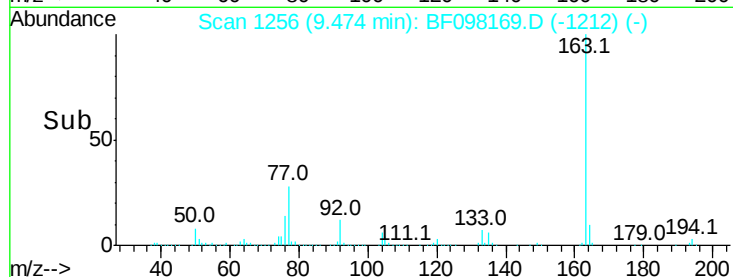
164 10.3 8.4 12.6



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#56

2,4-Dinitrotoluene

Concen: 7.614 ng

RT: 9.76 min Scan# 1304

Delta R.T. -0.22 min

Lab File: BF098169.D

Acq: 30 Aug 2017 21:30

Tgt Ion:165 Resp: 25730

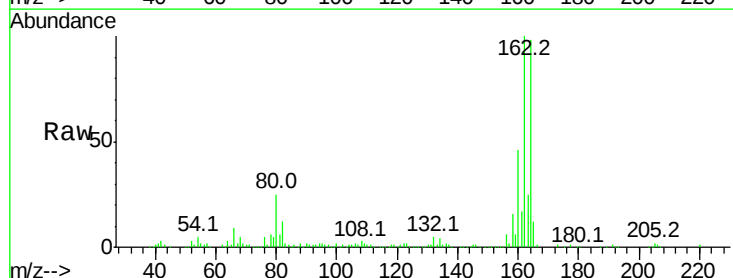
Ion Ratio Lower Upper

165 100

63 2.2 25.4 38.0#

89 2.1 46.4 69.6#

182 0.0 1.8 2.6#

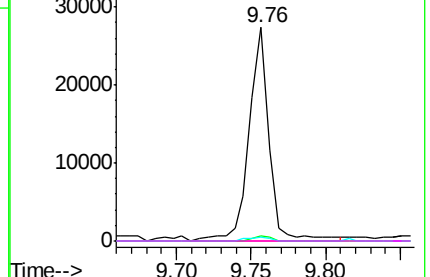
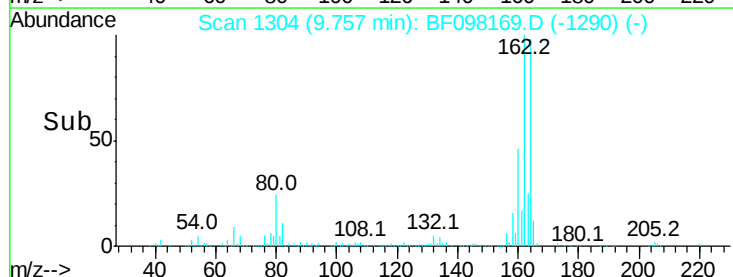


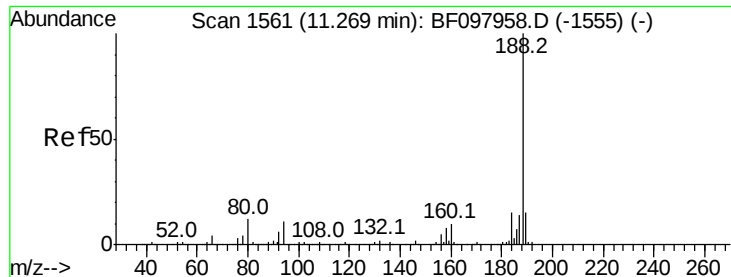
Abundance Ion 165.00 (164.70 to 165.70): E

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

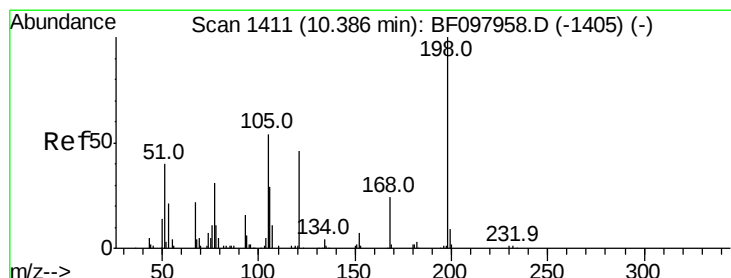
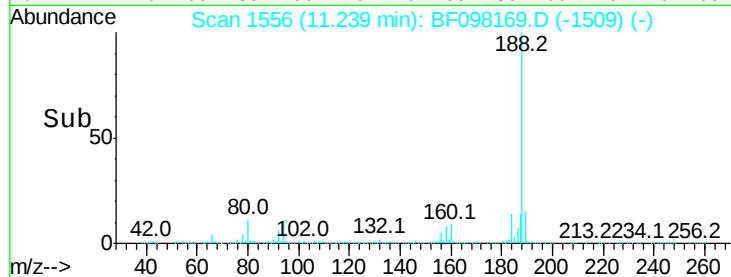
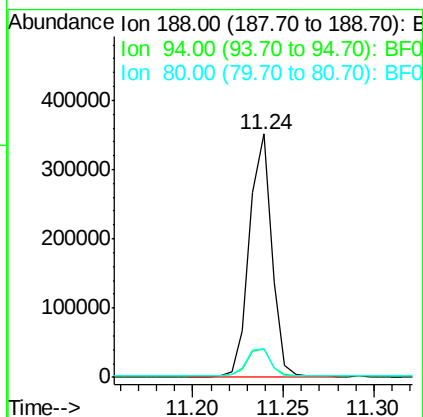
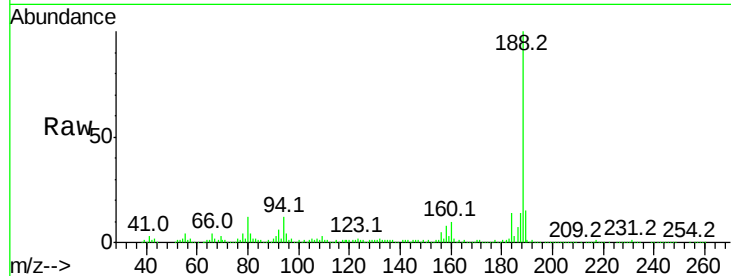




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.24 min Scan# 1556
 Delta R.T. -0.02 min
 Lab File: BF098169.D
 Acq: 30 Aug 2017 21:30

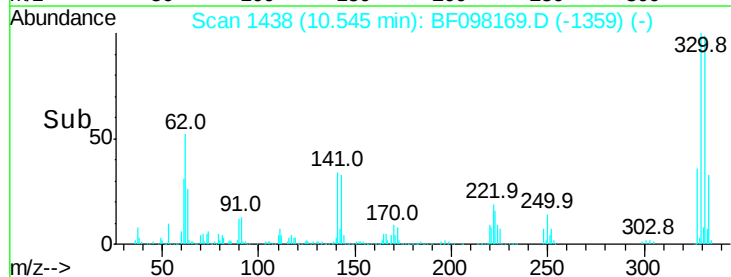
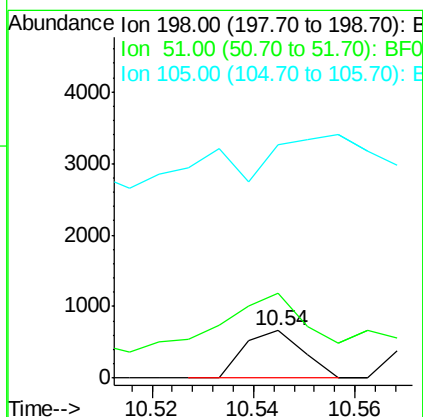
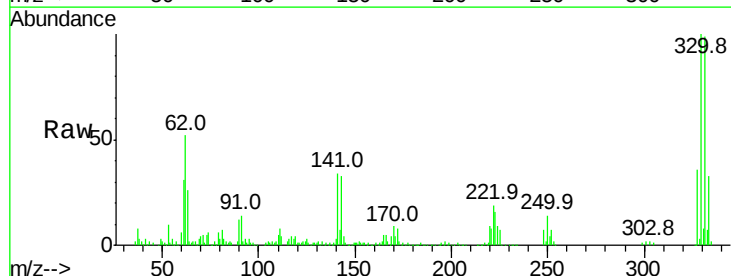
Instrument :
 BNA_F
 ClientSampleId :

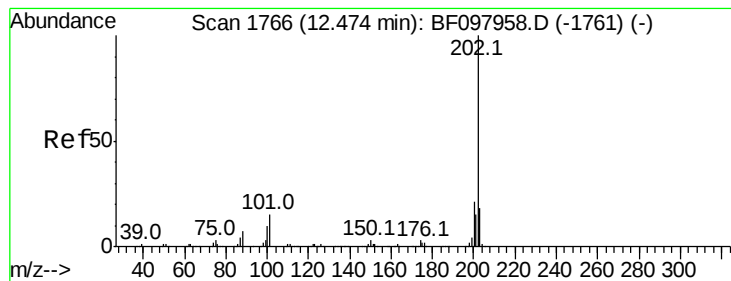
Tot Ion:188 Resp: 301897
 Ion Ratio Lower Upper
 188 100
 94 11.6 9.4 14.2
 80 12.0 10.2 15.2



#64
 4,6-Dinitro-2-methylphenol
 Concen: 8.629 ng
 RT: 10.54 min Scan# 1438
 Delta R.T. 0.16 min
 Lab File: BF098169.D
 Acq: 30 Aug 2017 21:30

Tgt Ion:198 Resp: 531
 Ion Ratio Lower Upper
 198 100
 51 179.9 53.2 93.2#
 105 493.2 45.8 85.8#





#74

Fluoranthene

Concen: 2.319 ng

RT: 12.44 min Scan# 1761

Delta R.T. -0.03 min

Lab File: BF098169.D

Acq: 30 Aug 2017 21:30

Instrument :

BNA_F

ClientSampleId :

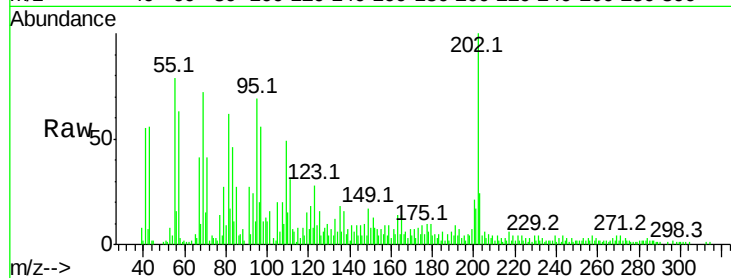
Tot Ion:202 Resp: 38936

Ion Ratio Lower Upper

202 100

101 15.9 0.0 33.2

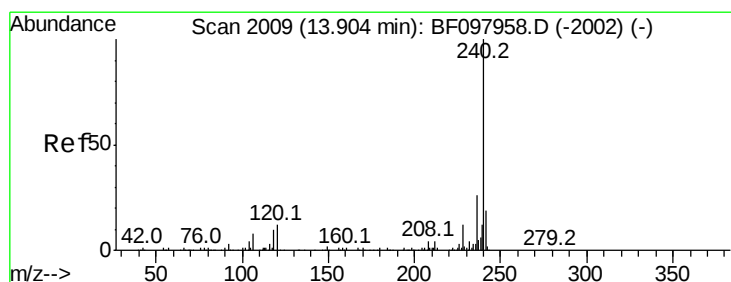
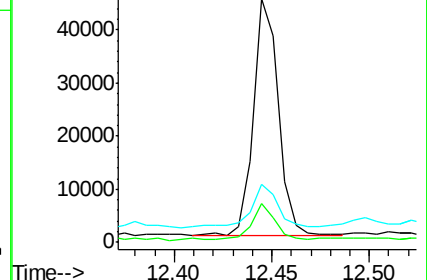
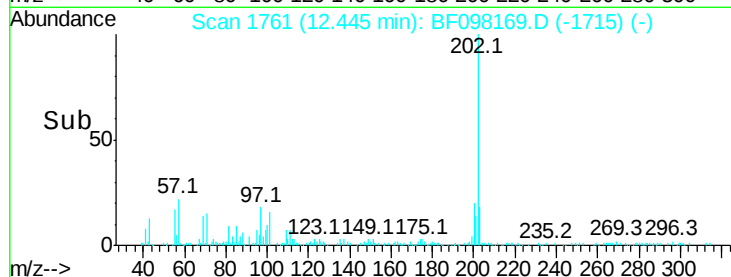
203 23.7 0.0 38.1



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: 13.87 min Scan# 2004

Delta R.T. -0.02 min

Lab File: BF098169.D

Acq: 30 Aug 2017 21:30

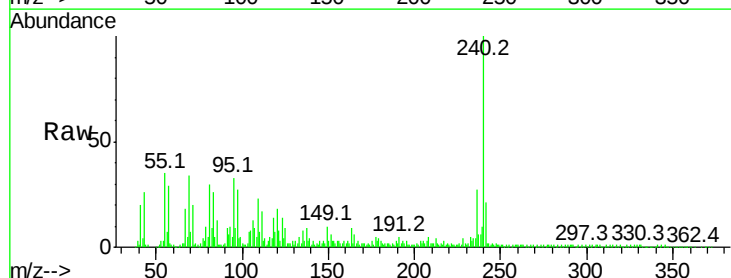
Tgt Ion:240 Resp: 215777

Ion Ratio Lower Upper

240 100

120 17.6 5.8 8.8#

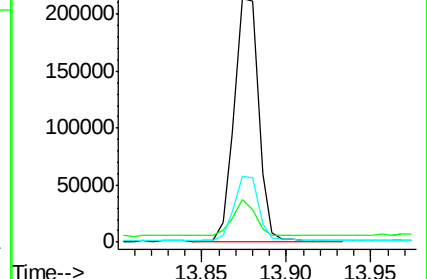
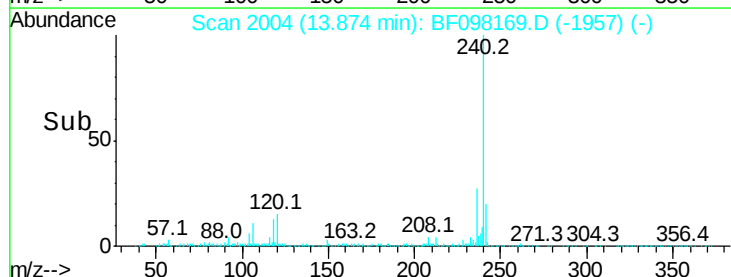
236 27.1 20.5 30.7

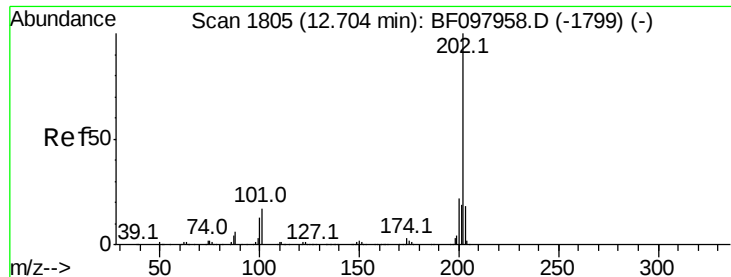


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

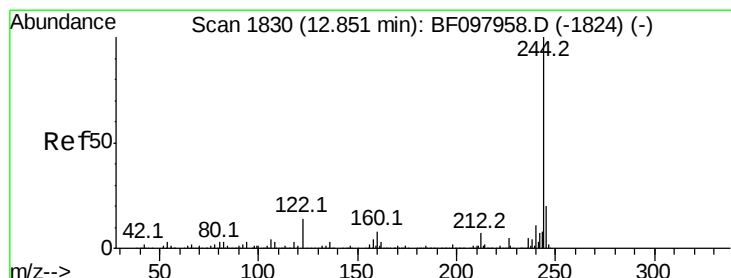
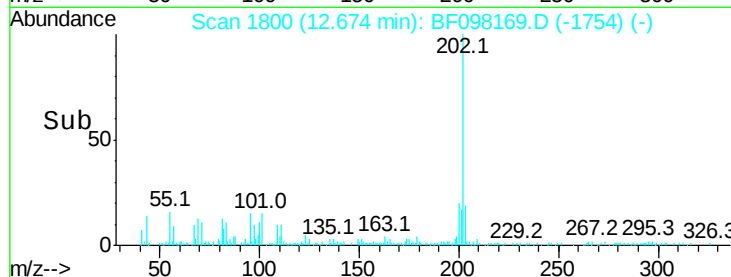
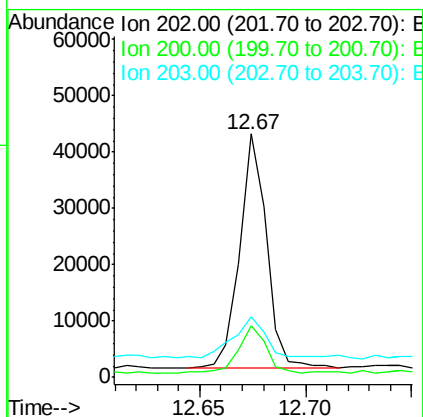
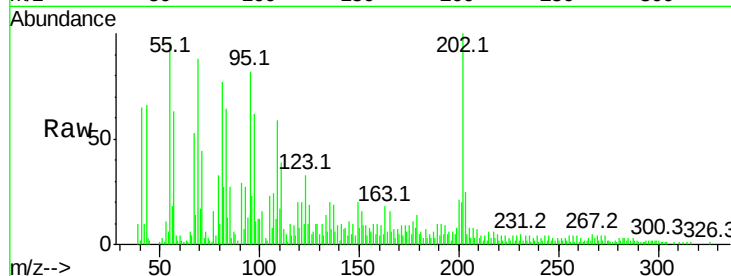




#77
Pvrene
Concen: 2.092 ng
RT: 12.67 min Scan# 1800
Delta R.T. -0.03 min
Lab File: BF098169.D
Acq: 30 Aug 2017 21:30

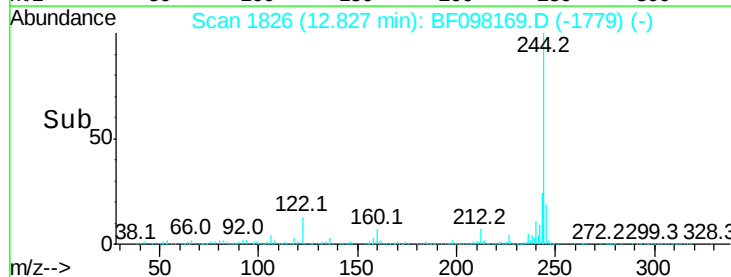
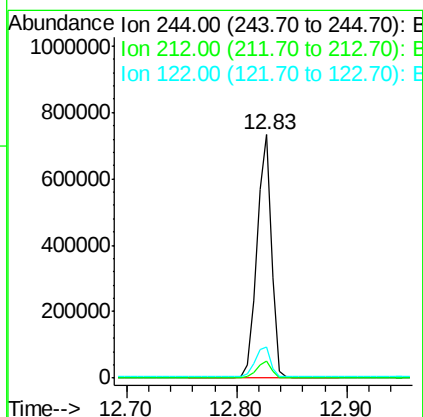
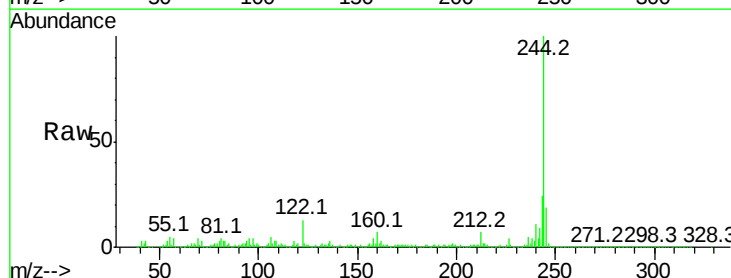
Instrument :
BNA_F
ClientSampled :

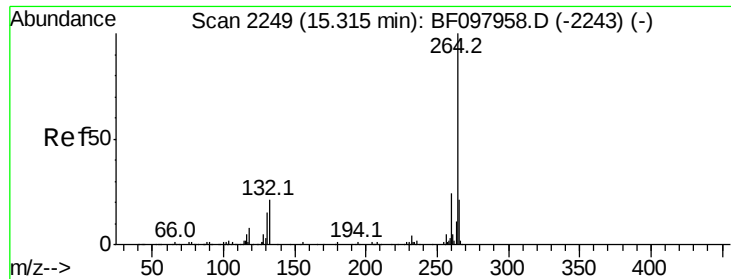
Tot Ion	Ratio	Lower	Upper
202	100		
200	21.4	17.6	26.4
203	24.8	14.4	21.6



#78
Terphenyl-d14
Concen: 65.194 ng
RT: 12.83 min Scan# 1826
Delta R.T. -0.02 min
Lab File: BF098169.D
Acq: 30 Aug 2017 21:30

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.8	6.0	9.0
122	13.0	10.3	15.5

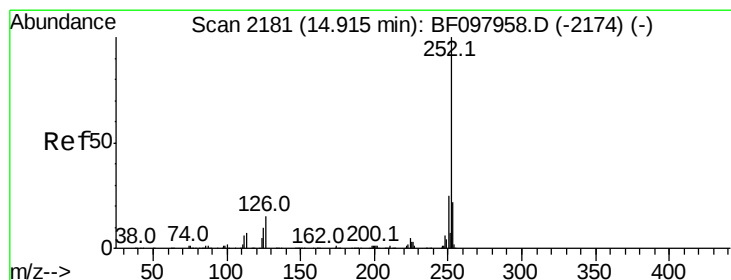
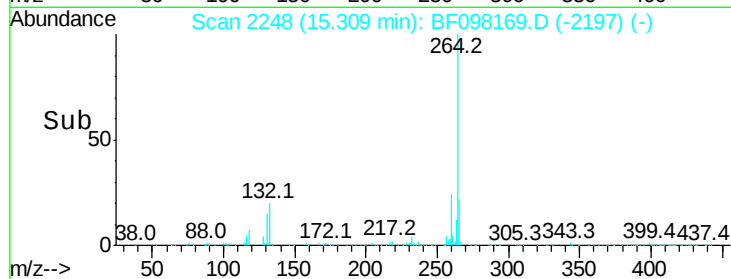
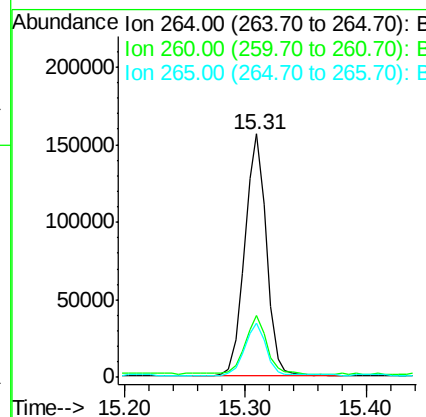
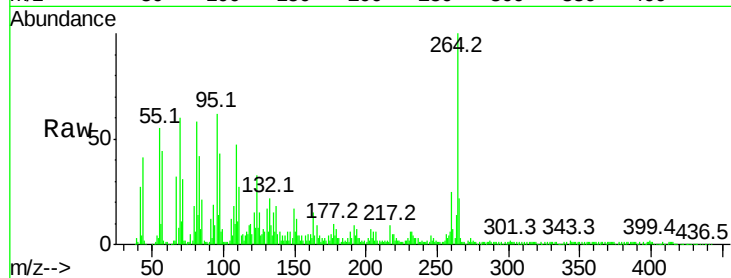




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.31 min Scan# 2248
Delta R.T. -0.00 min
Lab File: BF098169.D
Acq: 30 Aug 2017 21:30

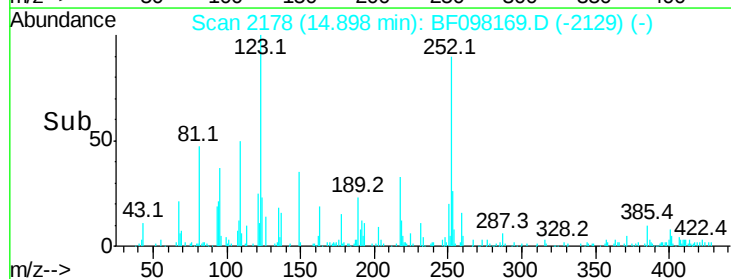
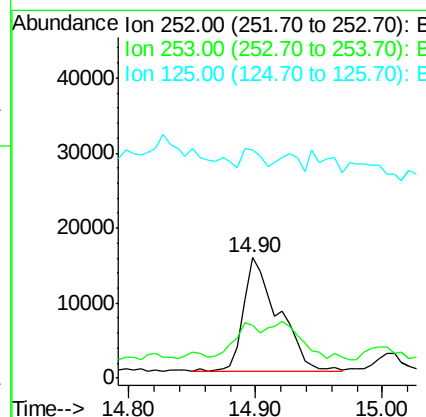
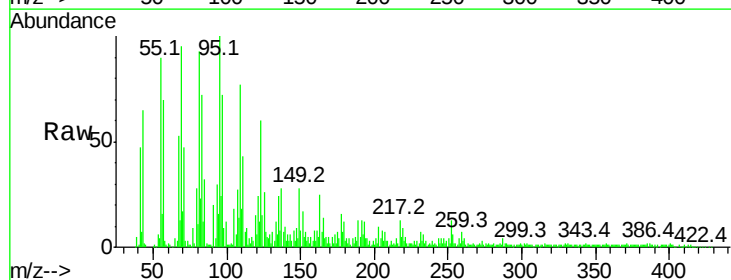
Instrument :
BNA_F
ClientSampleId :

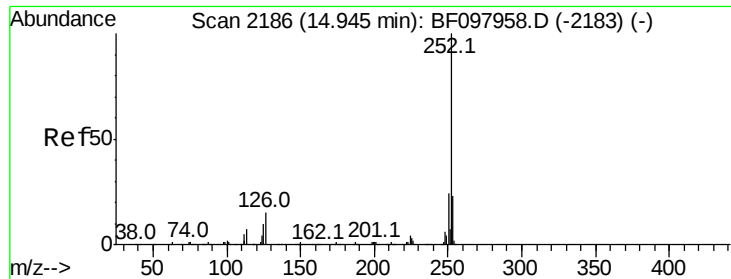
Tot Ion	Ratio	Lower	Upper
264	100		
260	25.3	19.5	29.3
265	22.4	17.2	25.8



#87
Benzo(b)fluoranthene
Concen: 2.342 ng
RT: 14.90 min Scan# 2178
Delta R.T. -0.01 min
Lab File: BF098169.D
Acq: 30 Aug 2017 21:30

Tgt Ion	Ratio	Lower	Upper
252	100		
253	43.6	18.1	27.1#
125	189.1	9.8	14.8#





#88

Benzo(k)fluoranthene

Concen: 2.492 ng

RT: 14.90 min Scan# 2178

Delta R.T. -0.04 min

Lab File: BF098169.D

Acq: 30 Aug 2017 21:30

Instrument :

BNA_F

ClientSampleId :

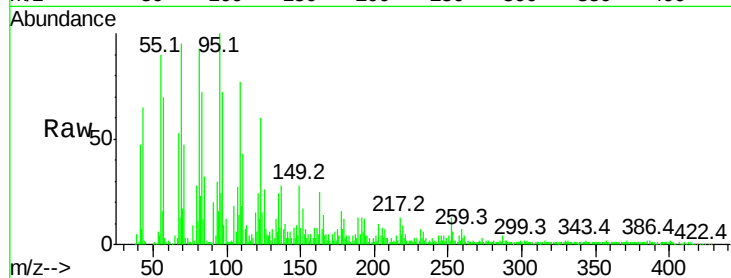
Tot Ion:252 Resp: 29013

Ion Ratio Lower Upper

252 100

253 43.6 18.4 27.6#

125 189.1 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

