

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF091317\
 Data File : BF098508.D
 Acq On : 14 Sep 2017 00:01
 Operator : SJ/JU
 Sample : I5182-07 10X
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 14 05:19:44 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF091117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 12 02:14:50 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.65	152	169610	20.00	ng	-0.02
21) Naphthalene-d8	7.94	136	685319	20.00	ng	-0.01
38) Acenaphthene-d10	9.69	164	290024	20.00	ng	-0.02
63) Phenanthrene-d10	11.17	188	442652	20.00	ng	-0.02
75) Chrysene-d12	13.80	240	346413	20.00	ng	-0.01
86) Perylene-d12	15.20	264	287768	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.26	112	94477	8.24	ng	-0.01
7) Phenol-d6	6.31	99	119801	8.23	ng	-0.01
23) Nitrobenzene-d5	7.22	82	61130	4.97	ng	-0.02
41) 2,4,6-Tribromophenol	10.48	330	14110	7.29	ng	-0.01
44) 2-Fluorobiphenyl	9.01	172	139356	8.14	ng	-0.02
78) Terphenyl-d14	12.75	244	89839	5.60	ng	-0.02

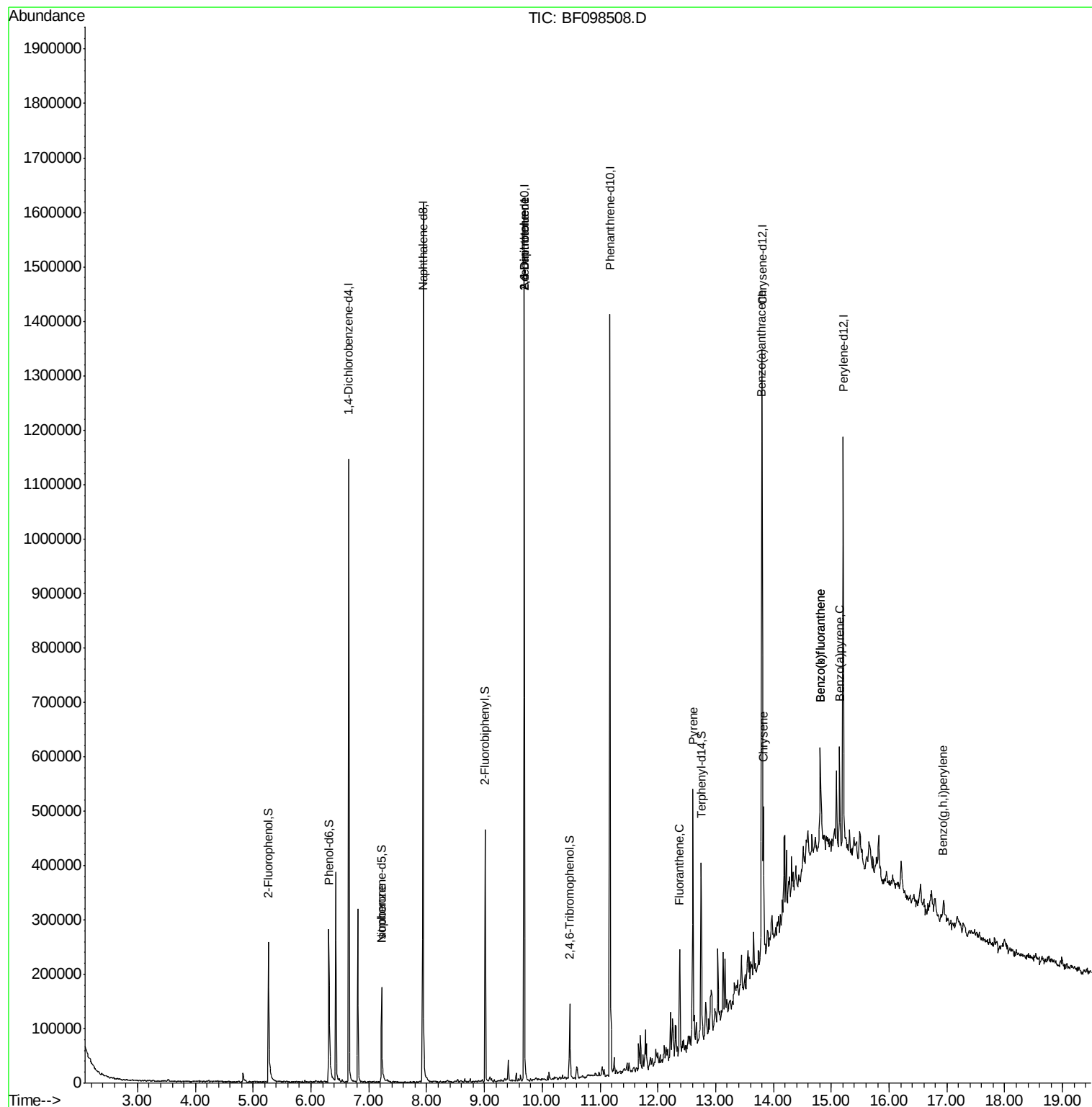
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
25) Isophorone	7.22	82	61129	2.458	ng	# 67
50) 2,6-Dinitrotoluene	9.69	165	36523	7.920	ng	# 34
56) 2,4-Dinitrotoluene	9.69	165	36523	6.514	ng	# 33
74) Fluoranthene	12.38	202	70918	3.019	ng	97
77) Pyrene	12.60	202	171668	6.282	ng	98
80) Benzo(a)anthracene	13.79	228	89759	4.420	ng	99
82) Chrysene	13.83	228	100898	4.915	ng	97
87) Benzo(b)fluoranthene	14.81	252	108628	6.004	ng	# 91
88) Benzo(k)fluoranthene	14.81	252	108628	6.431	ng	95
89) Benzo(a)pyrene	15.14	252	73688	4.571	ng	# 93
91) Benzo(g,h,i)perylene	16.94	276	25222	2.138	ng	95

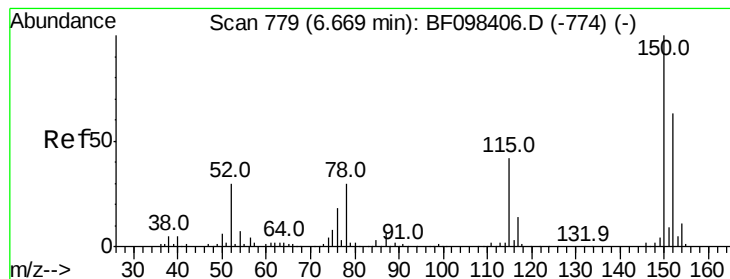
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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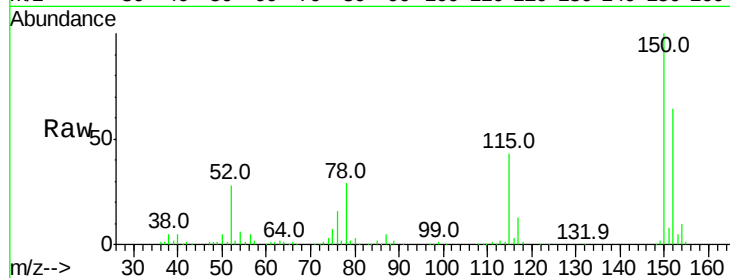


#1

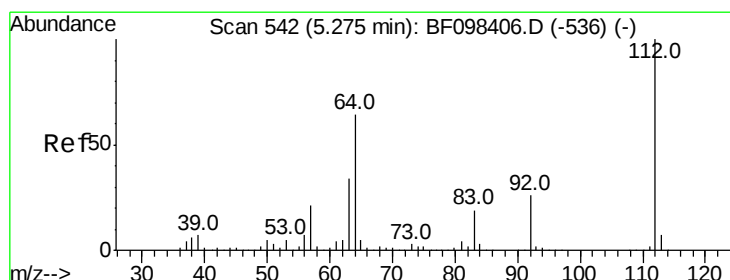
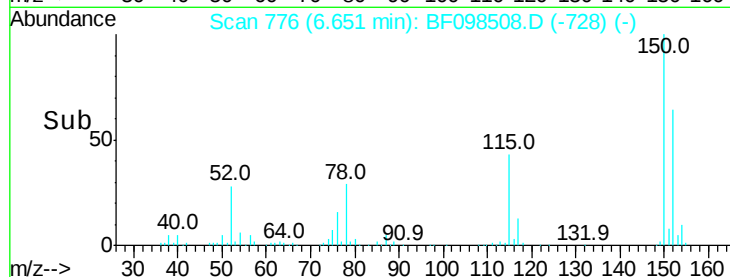
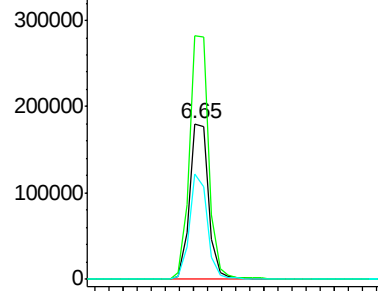
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.65 min Scan# 776
Delta R.T. -0.02 min
Lab File: BF098508.D
Acq: 14 Sep 2017 00:01

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 169610
Ion Ratio Lower Upper
152 100
150 156.4 126.2 189.2
115 67.7 52.2 78.2



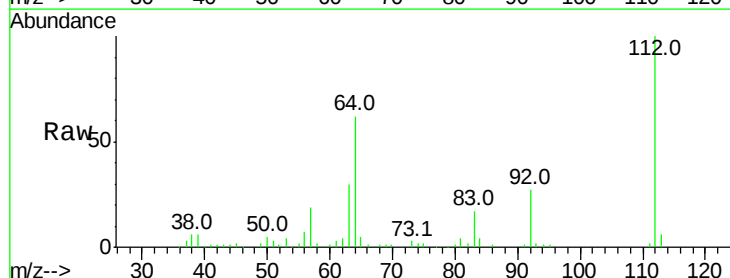
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



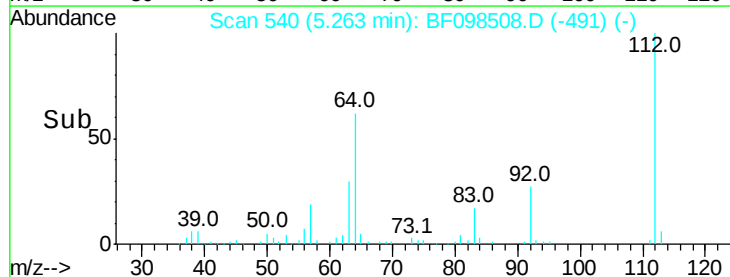
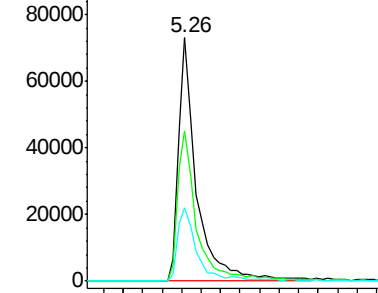
#5

2-Fluorophenol
Concen: 8.236 ng
RT: 5.26 min Scan# 540
Delta R.T. -0.01 min
Lab File: BF098508.D
Acq: 14 Sep 2017 00:01

Tgt Ion:112 Resp: 94477
Ion Ratio Lower Upper
112 100
64 61.9 46.0 69.0
63 30.4 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: 8.225 ng

RT: 6.31 min Scan# 718

Delta R.T. -0.01 min

Lab File: BF098508.D

Acq: 14 Sep 2017 00:01

Instrument :

BNA_F

ClientSampleId :

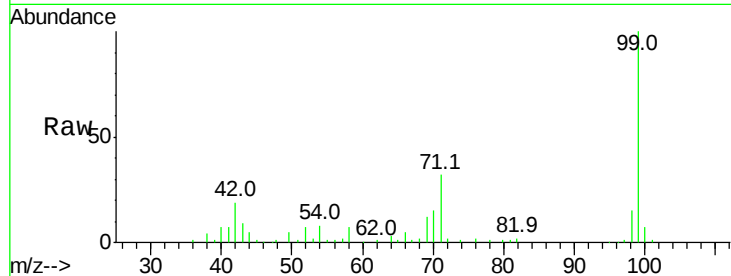
Tot Ion: 99 Resp: 119801

Ion Ratio Lower Upper

99 100

42 19.1 13.5 20.3

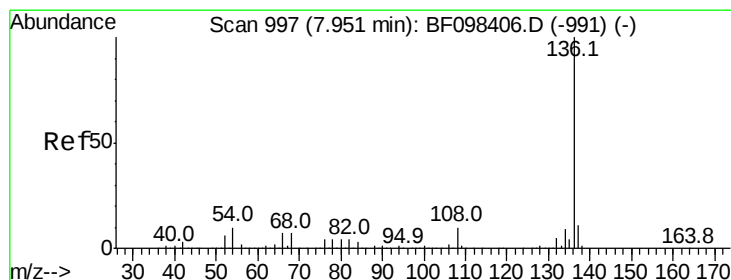
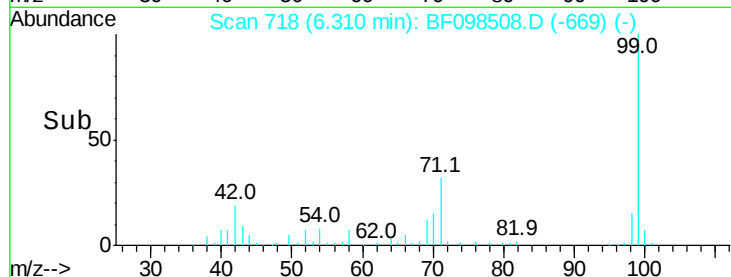
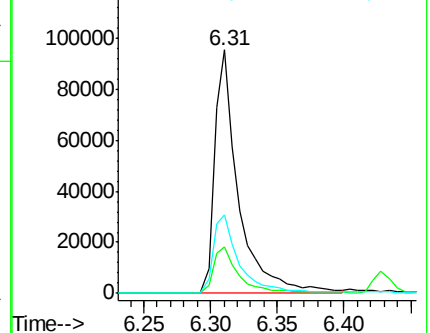
71 32.4 24.5 36.7



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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.94 min Scan# 995

Delta R.T. -0.01 min

Lab File: BF098508.D

Acq: 14 Sep 2017 00:01

Tgt Ion: 136 Resp: 685319

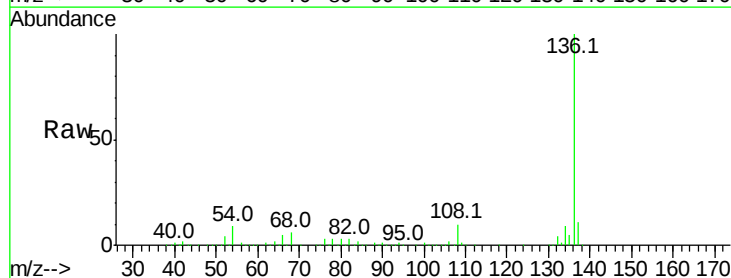
Ion Ratio Lower Upper

136 100

137 11.1 8.5 12.7

54 9.1 4.9 7.3#

68 6.2 4.1 6.1#

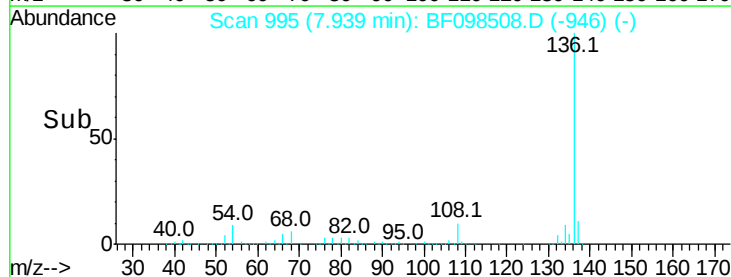
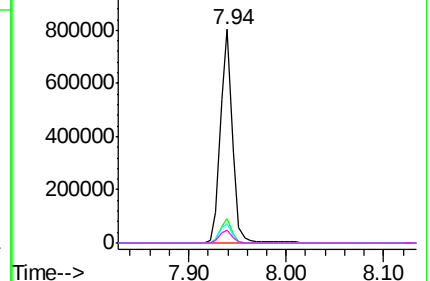


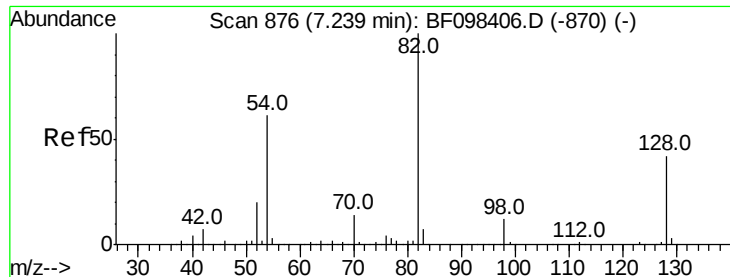
Abundance Ion 136.00 (135.70 to 136.70): E

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

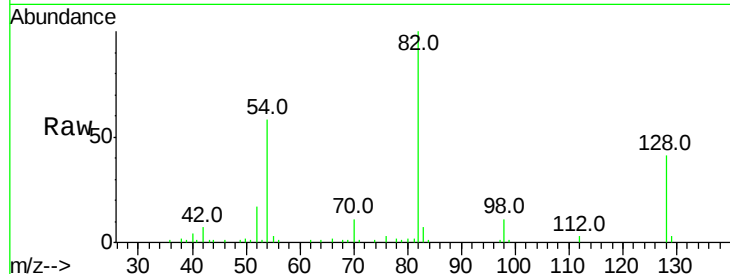




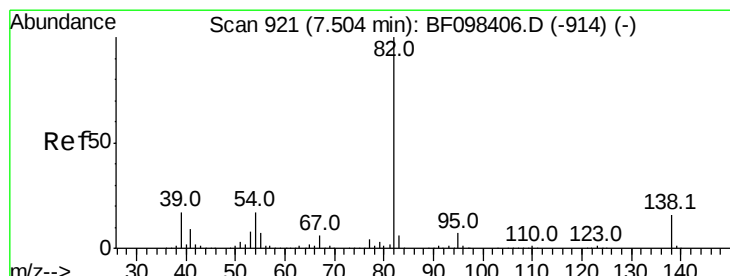
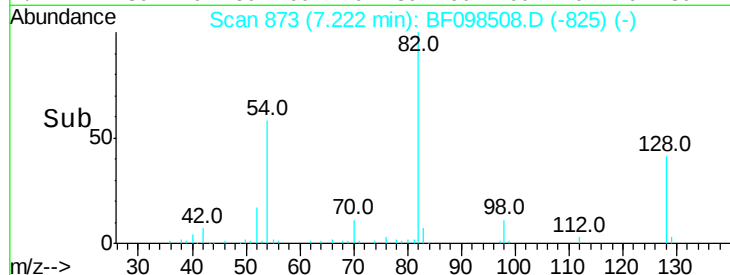
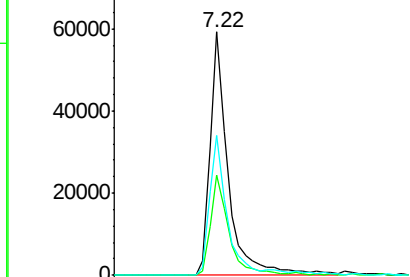
#23
Nitrobenzene-d5
Concen: 4.973 ng
RT: 7.22 min Scan# 873
Delta R.T. -0.02 min
Lab File: BF098508.D
Acq: 14 Sep 2017 00:01

Instrument :
BNA_F
ClientSampled :

Tot Ion	82	Resp	61130
Ion Ratio	100	Lower	Upper
128	41.4	34.0	51.0
54	57.6	42.2	63.2

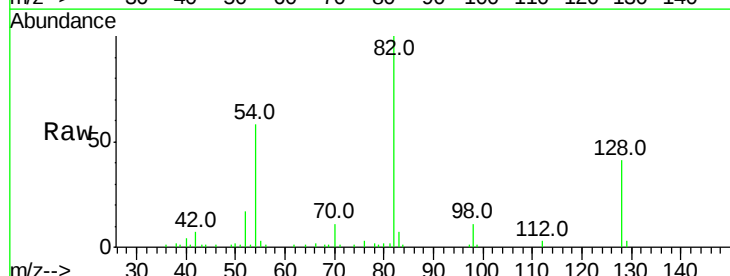


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): BF0
Ion 54.00 (53.70 to 54.70): BF0

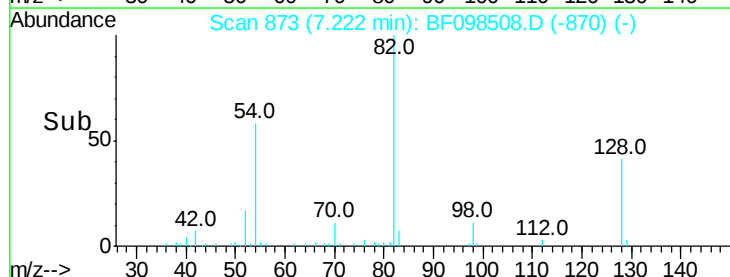
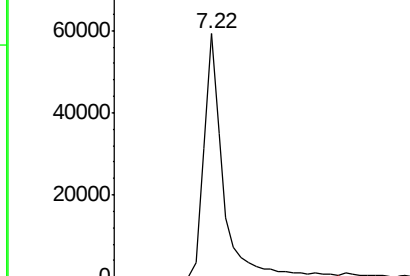


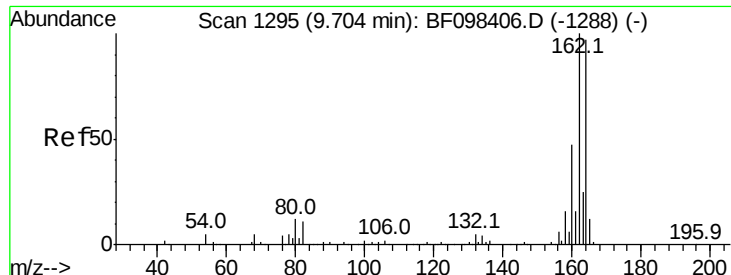
#25
Isophorone
Concen: 2.458 ng
RT: 7.22 min Scan# 873
Delta R.T. -0.28 min
Lab File: BF098508.D
Acq: 14 Sep 2017 00:01

Tgt Ion	82	Resp	61129
Ion Ratio	100	Lower	Upper
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

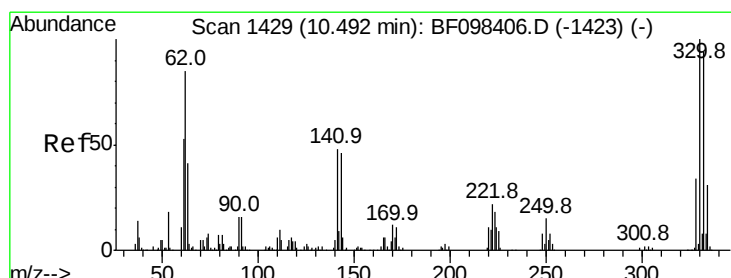
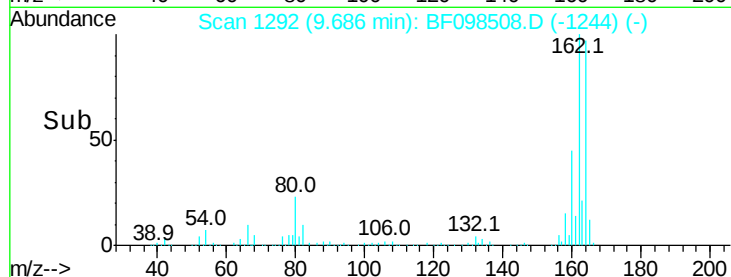
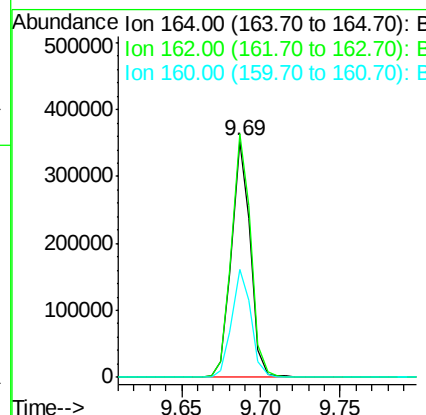
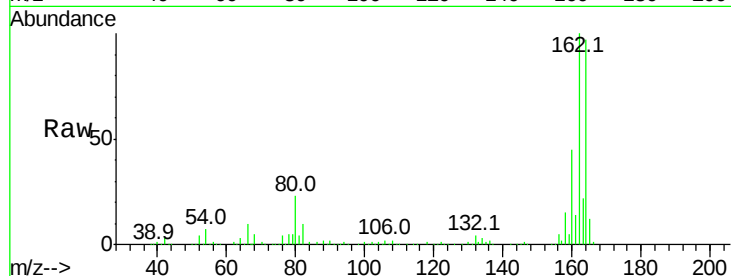




#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.69 min Scan# 1292
 Delta R.T. -0.02 min
 Lab File: BF098508.D
 Acq: 14 Sep 2017 00:01

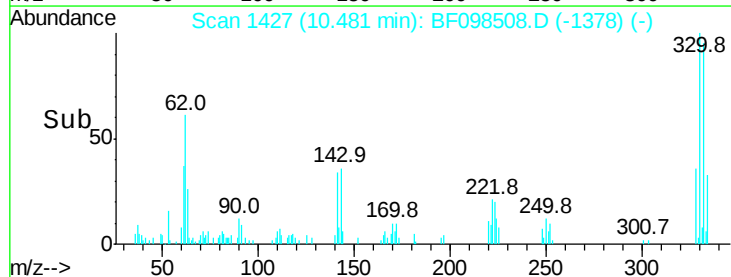
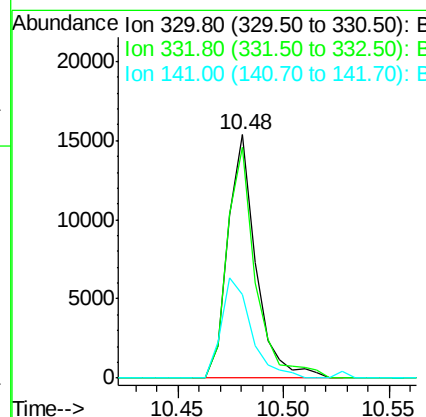
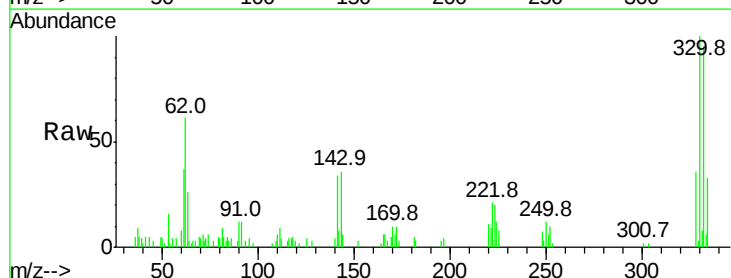
Instrument :
 BNA_F
 ClientSampleId :

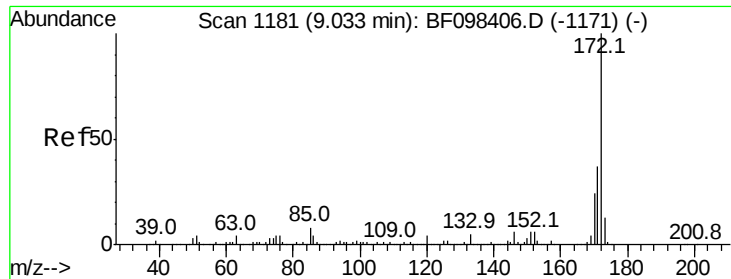
Tot Ion	Ratio	Lower	Upper
164	100		
162	103.1	82.6	123.8
160	45.9	36.2	54.2



#41
 2,4,6-Tribromophenol
 Concen: 7.289 ng
 RT: 10.48 min Scan# 1427
 Delta R.T. -0.01 min
 Lab File: BF098508.D
 Acq: 14 Sep 2017 00:01

Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.9	76.6	115.0
141	44.2	31.4	47.2

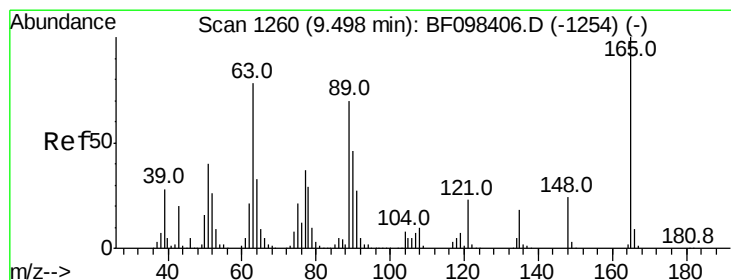
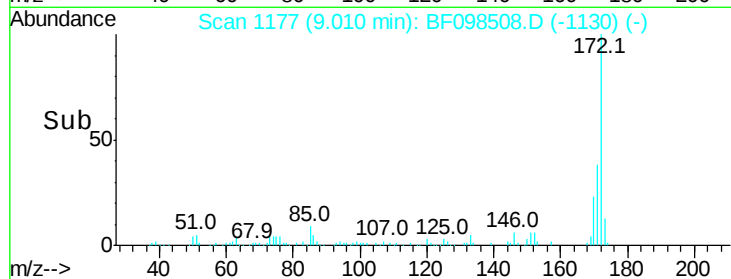
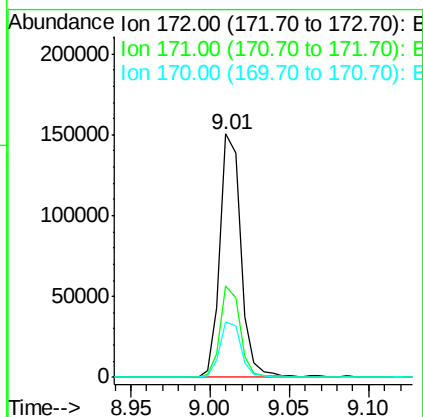
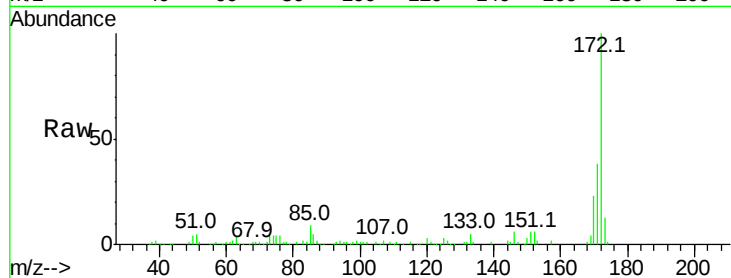




#44
 2-Fluorobiphenyl
 Concen: 8.144 ng
 RT: 9.01 min Scan# 1177
 Delta R.T. -0.02 min
 Lab File: BF098508.D
 Acq: 14 Sep 2017 00:01

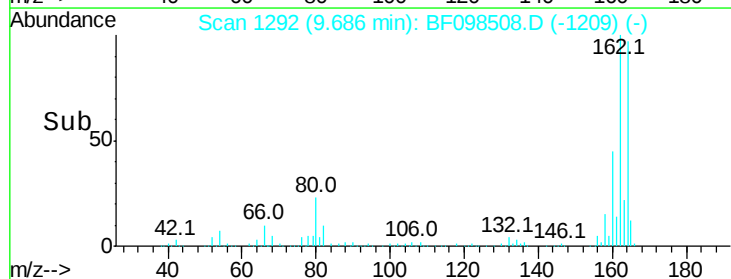
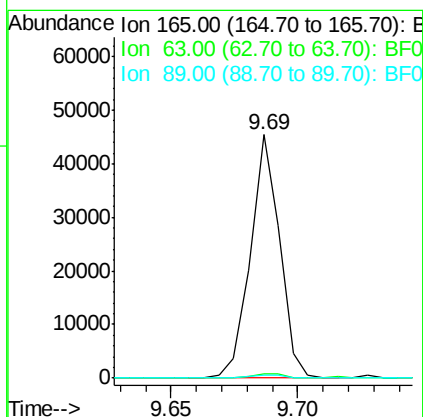
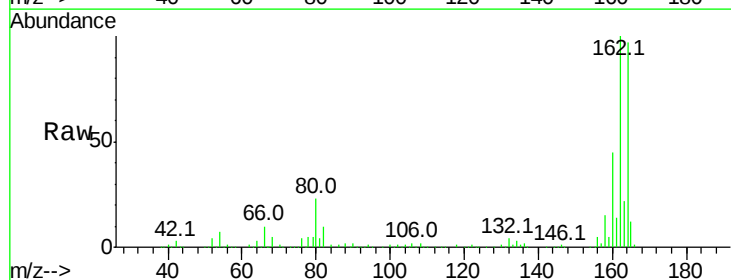
Instrument :
 BNA_F
 ClientSampled :

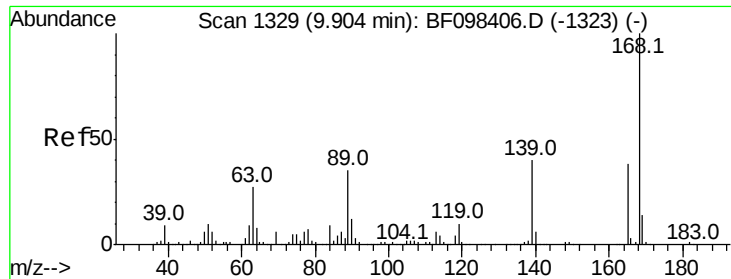
Tot Ion	Ratio	Lower	Upper
172	100		
171	37.6	29.6	44.4
170	22.9	19.8	29.8



#50
 2,6-Dinitrotoluene
 Concen: 7.920 ng
 RT: 9.69 min Scan# 1292
 Delta R.T. 0.19 min
 Lab File: BF098508.D
 Acq: 14 Sep 2017 00:01

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.8	34.3	51.5#
89	1.2	37.1	55.7#

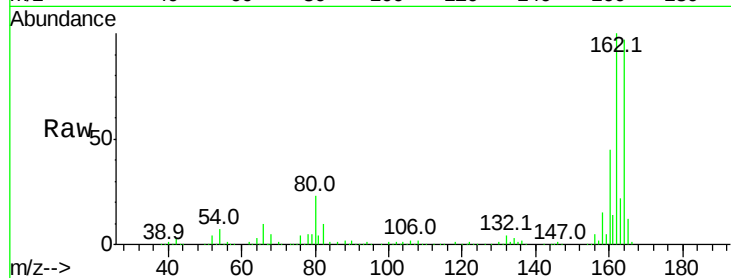




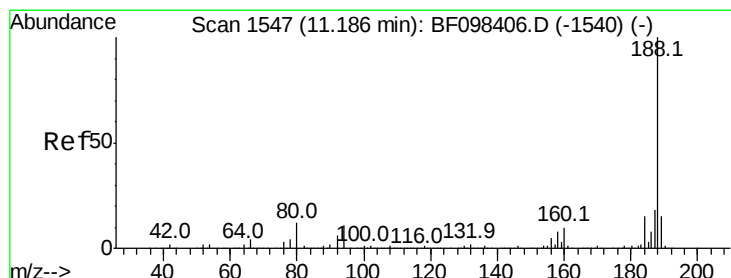
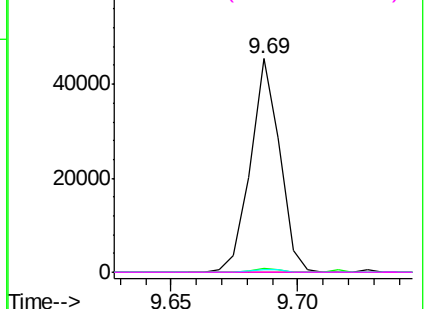
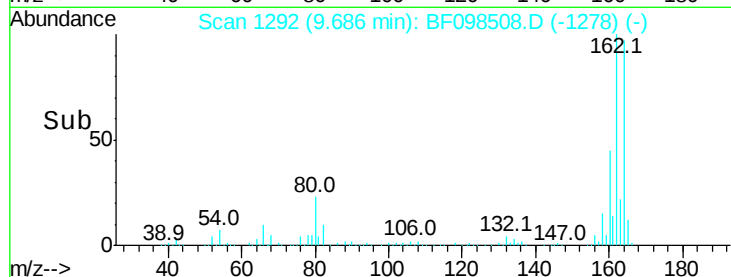
#56
 2,4-Dinitrotoluene
 Concen: 6.514 ng
 RT: 9.69 min Scan# 1292
 Delta R.T. -0.22 min
 Lab File: BF098508.D
 Acq: 14 Sep 2017 00:01

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:165 Resp: 36523
 Ion Ratio Lower Upper
 165 100
 63 1.8 25.4 38.0#
 89 1.2 46.4 69.6#
 182 0.0 1.8 2.6#

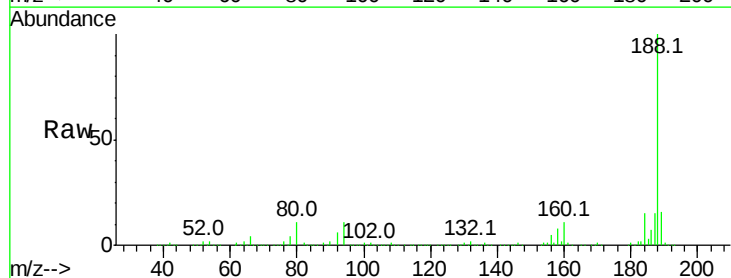


Abundance Ion 165.00 (164.70 to 165.70): E

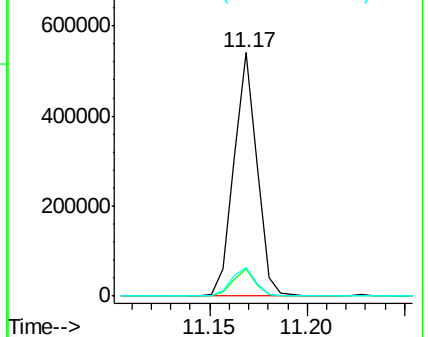
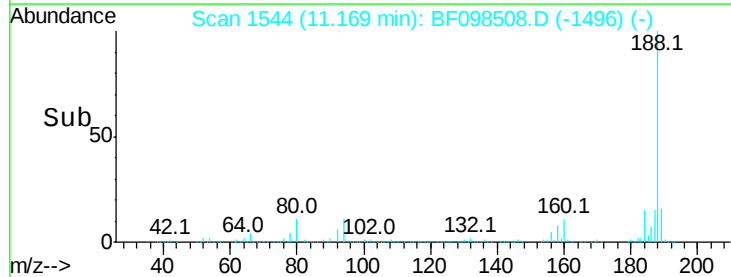


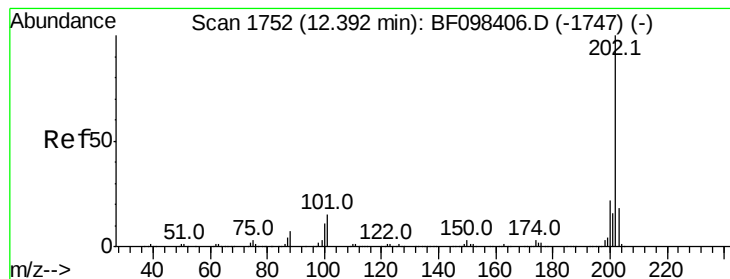
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.17 min Scan# 1544
 Delta R.T. -0.02 min
 Lab File: BF098508.D
 Acq: 14 Sep 2017 00:01

Tgt Ion:188 Resp: 442652
 Ion Ratio Lower Upper
 188 100
 94 11.1 9.4 14.2
 80 11.5 10.2 15.2



Abundance Ion 188.00 (187.70 to 188.70): E





#74

Fluoranthene

Concen: 3.019 ng

RT: 12.38 min Scan# 1750

Delta R.T. -0.01 min

Lab File: BF098508.D

Acq: 14 Sep 2017 00:01

Instrument :

BNA_F

ClientSampleId :

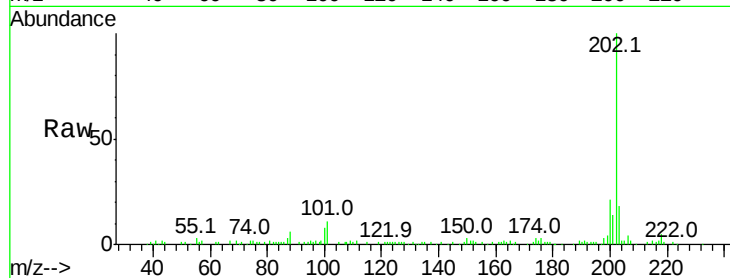
Tot Ion:202 Resp: 70918

Ion Ratio Lower Upper

202 100

101 10.9 0.0 33.2

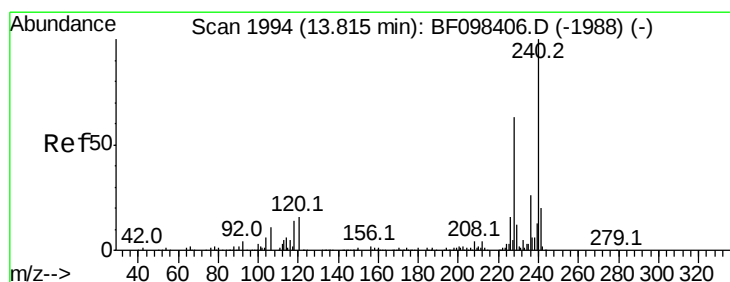
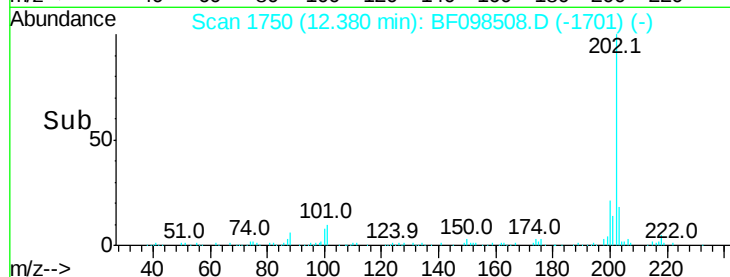
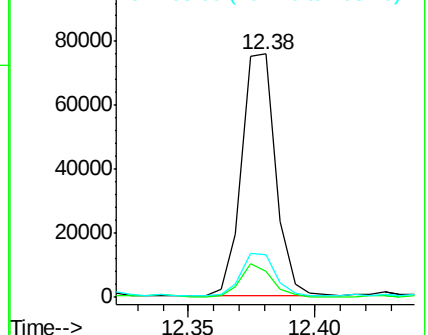
203 17.6 0.0 38.1



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: 13.80 min Scan# 1992

Delta R.T. -0.01 min

Lab File: BF098508.D

Acq: 14 Sep 2017 00:01

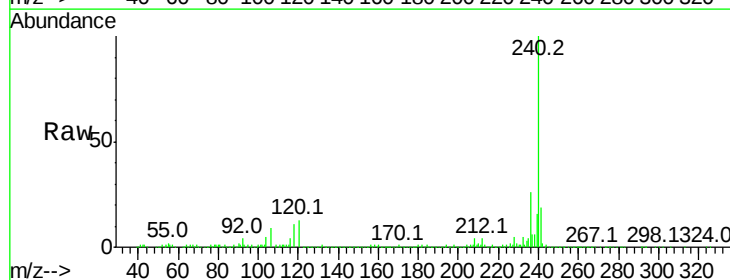
Tgt Ion:240 Resp: 346413

Ion Ratio Lower Upper

240 100

120 13.2 5.8 8.8#

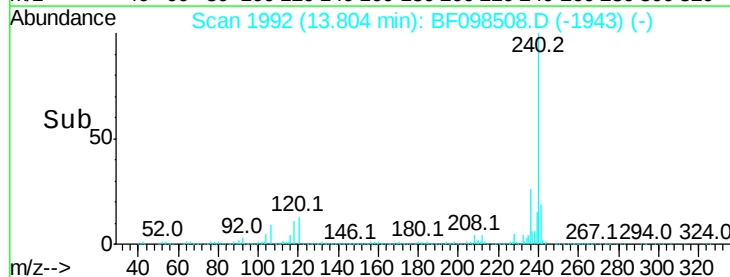
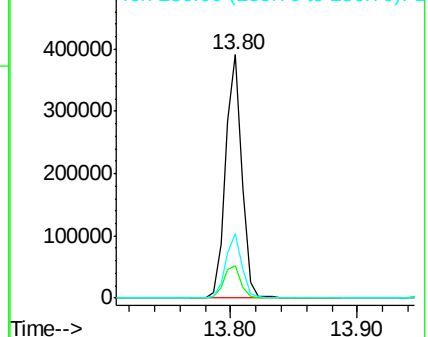
236 26.4 20.5 30.7

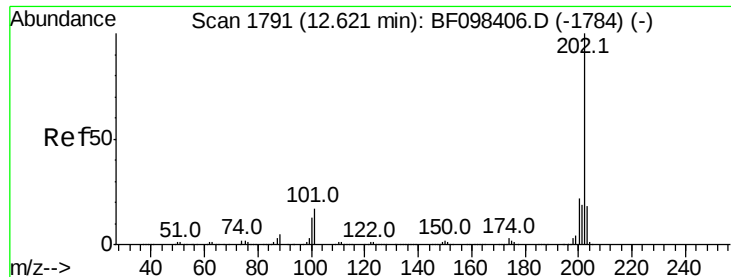


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 6.282 ng

RT: 12.60 min Scan# 1788

Delta R.T. -0.02 min

Lab File: BF098508.D

Acq: 14 Sep 2017 00:01

Instrument :

BNA_F

ClientSampled :

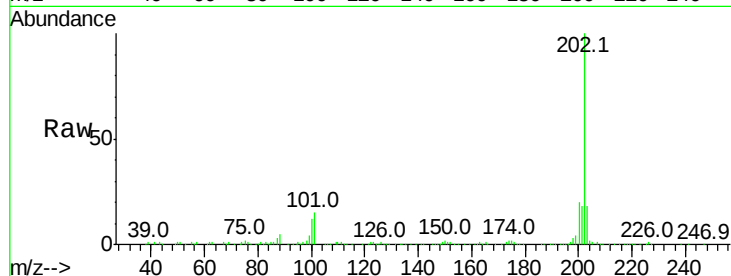
Tot Ion:202 Resp: 171668

Ion Ratio Lower Upper

202 100

200 20.4 17.6 26.4

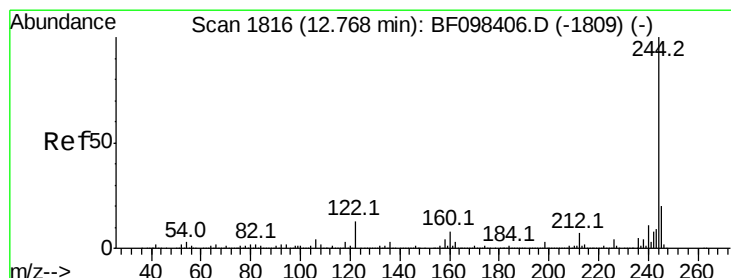
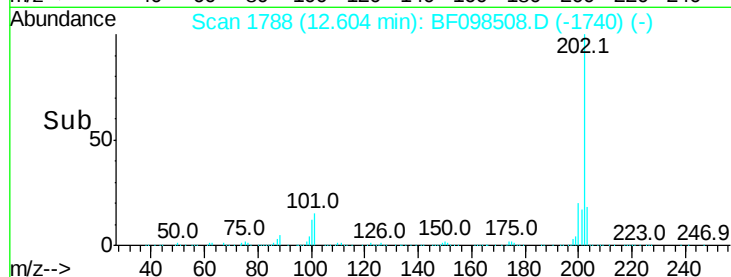
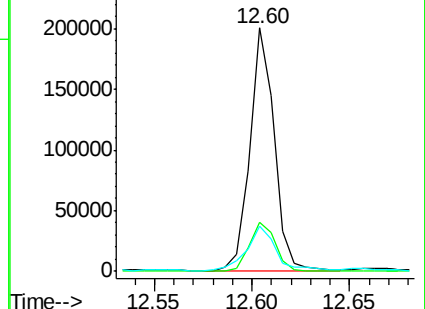
203 18.5 14.4 21.6



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: 5.598 ng

RT: 12.75 min Scan# 1813

Delta R.T. -0.02 min

Lab File: BF098508.D

Acq: 14 Sep 2017 00:01

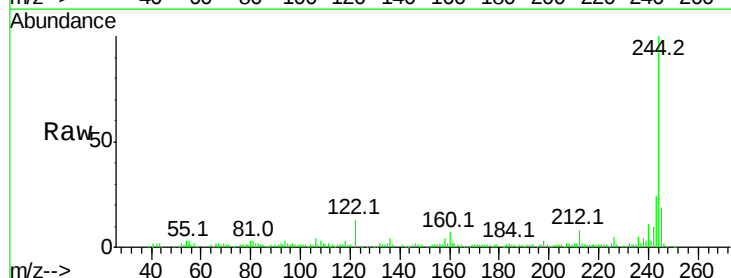
Tgt Ion:244 Resp: 89839

Ion Ratio Lower Upper

244 100

212 7.5 6.0 9.0

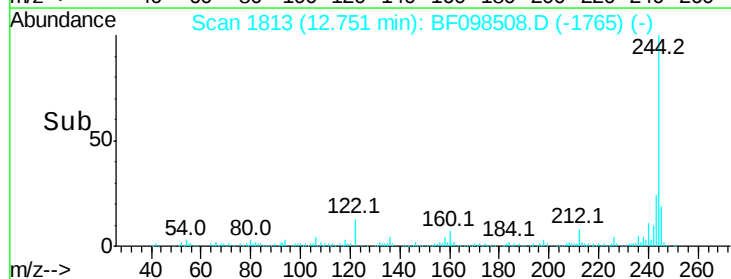
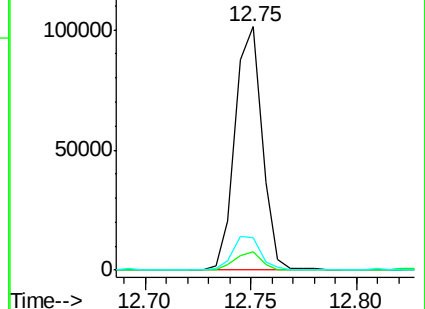
122 13.2 10.3 15.5

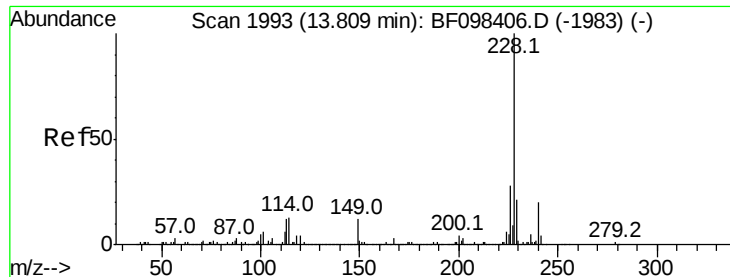


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 4.420 ng

RT: 13.79 min Scan# 1990

Delta R.T. -0.02 min

Lab File: BF098508.D

Acq: 14 Sep 2017 00:01

Instrument :

BNA_F

ClientSampled :

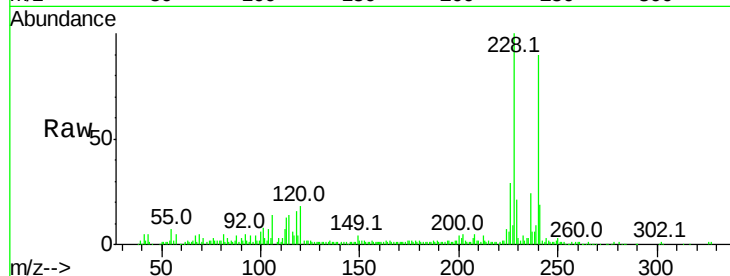
Tot Ion:228 Resp: 89759

Ion Ratio Lower Upper

228 100

226 28.7 22.6 33.8

229 21.2 16.3 24.5

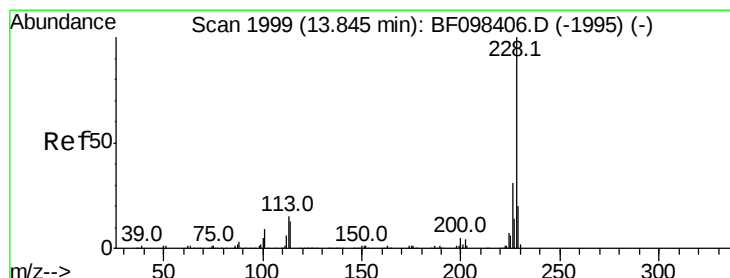
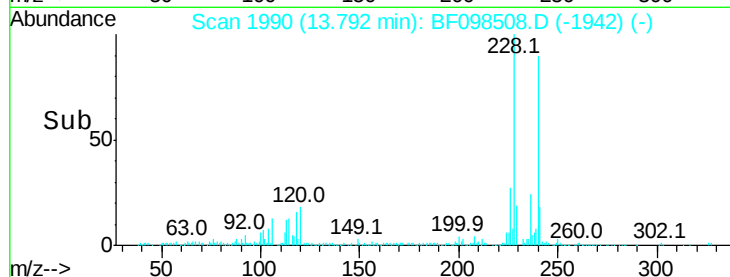
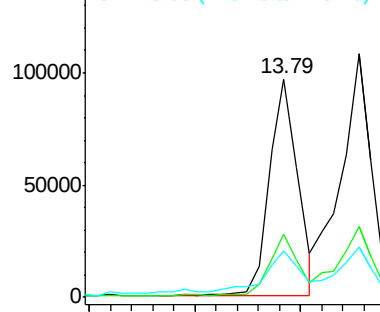


Abundance

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: 4.915 ng

RT: 13.83 min Scan# 1996

Delta R.T. -0.02 min

Lab File: BF098508.D

Acq: 14 Sep 2017 00:01

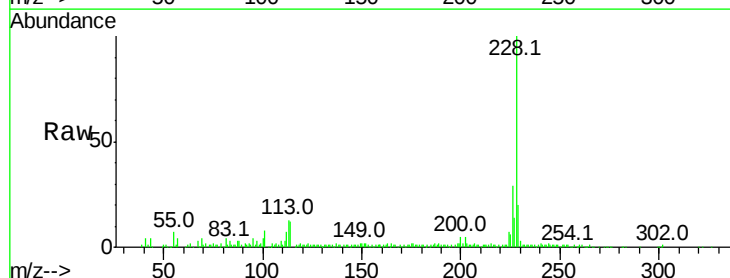
Tgt Ion:228 Resp: 100898

Ion Ratio Lower Upper

228 100

226 29.0 24.9 37.3

229 20.4 15.8 23.6

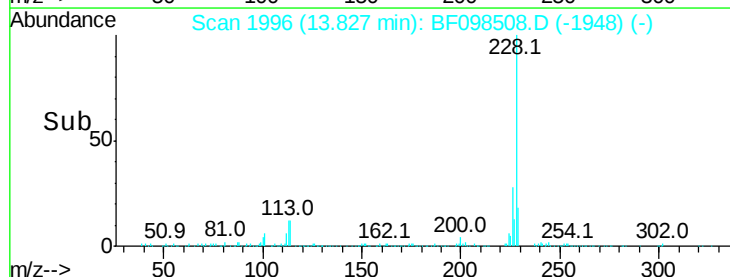
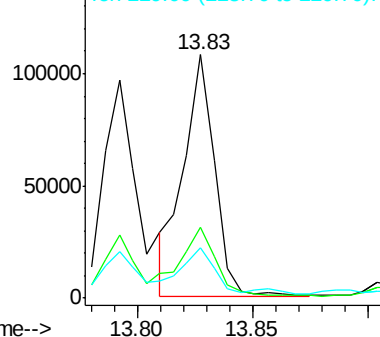


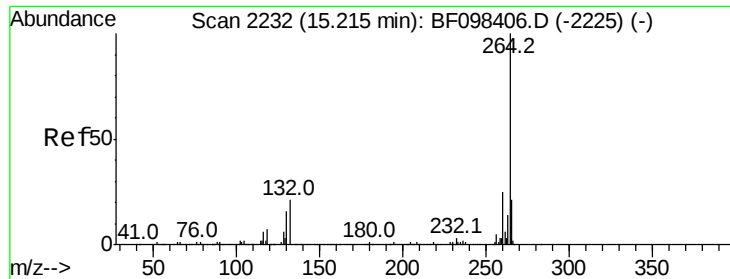
Abundance

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





#86

Pervlene-d12

Concen: 20.000 ng

RT: 15.20 min Scan# 2230

Delta R.T. -0.01 min

Lab File: BF098508.D

Acq: 14 Sep 2017 00:01

Instrument :

BNA_F

ClientSampleId :

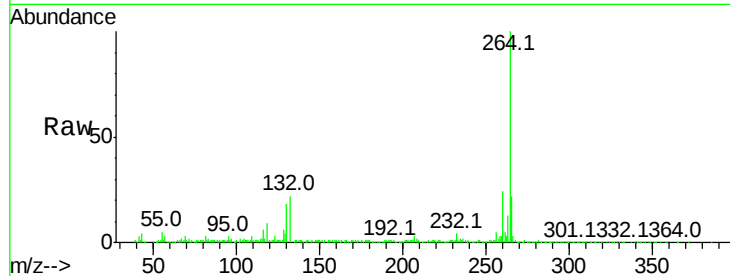
Tot Ion:264 Resp: 287768

Ion Ratio Lower Upper

264 100

260 24.1 19.5 29.3

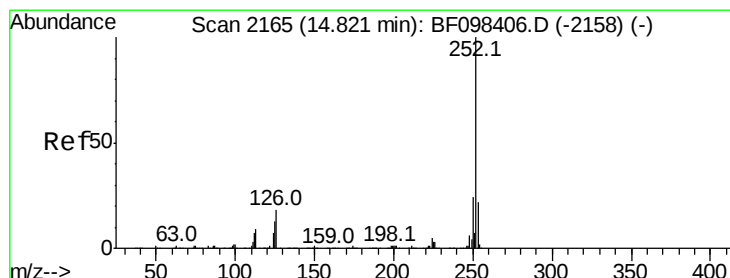
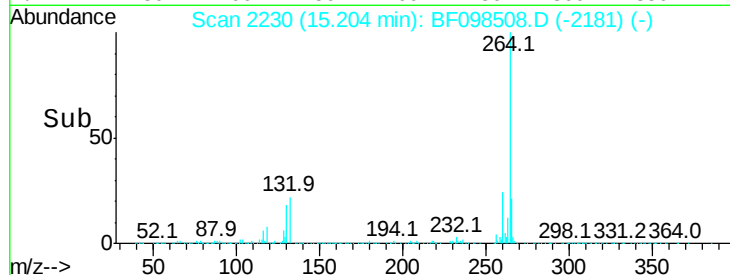
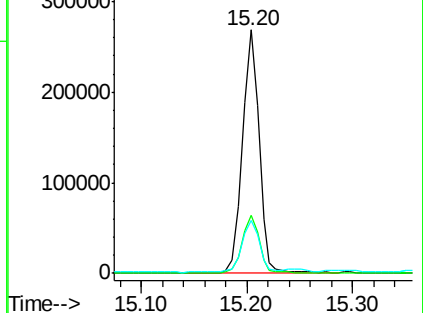
265 21.7 17.2 25.8



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: 6.004 ng

RT: 14.81 min Scan# 2163

Delta R.T. -0.01 min

Lab File: BF098508.D

Acq: 14 Sep 2017 00:01

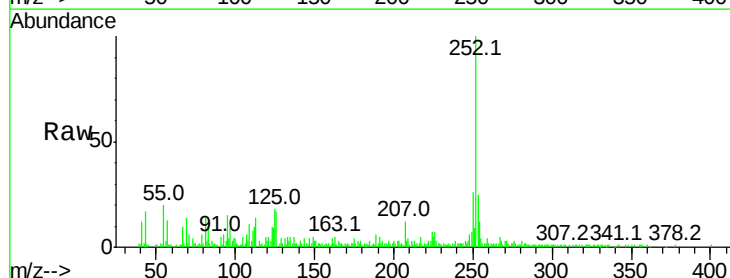
Tgt Ion:252 Resp: 108628

Ion Ratio Lower Upper

252 100

253 25.4 18.1 27.1

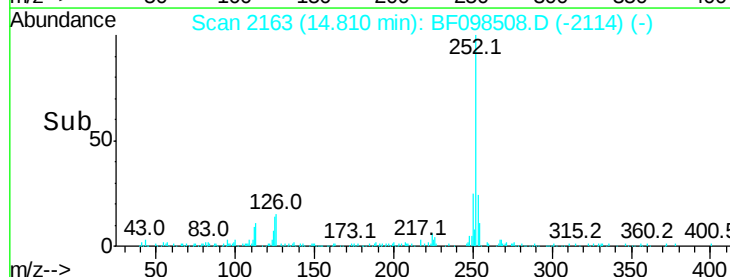
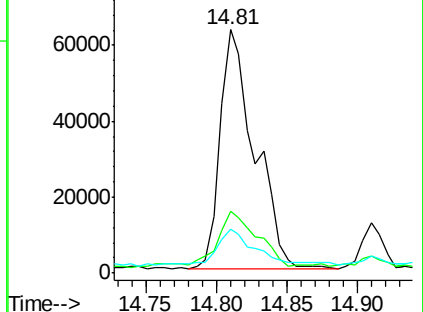
125 18.2 9.8 14.8#

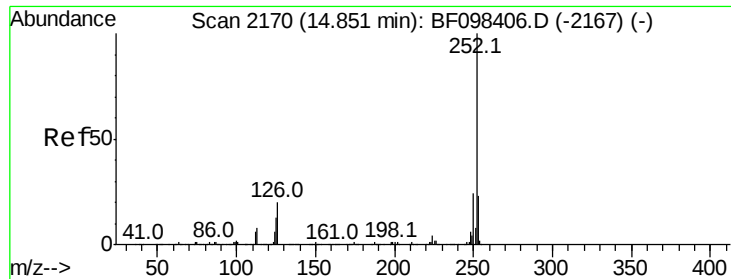


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

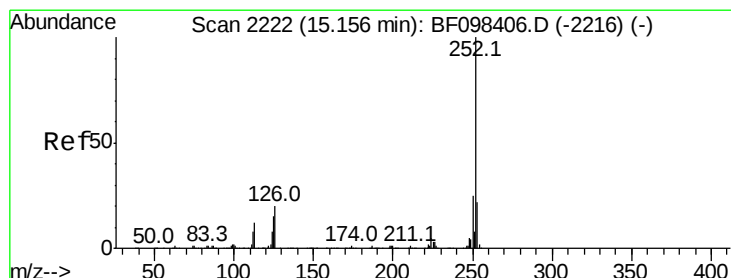
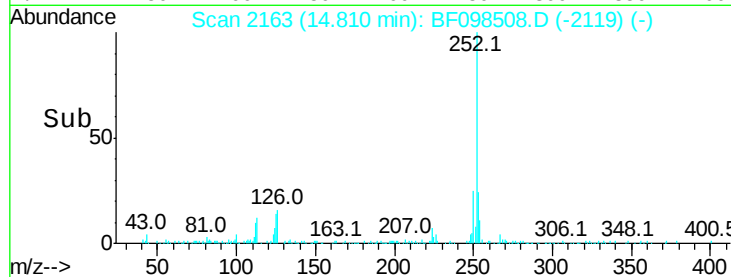
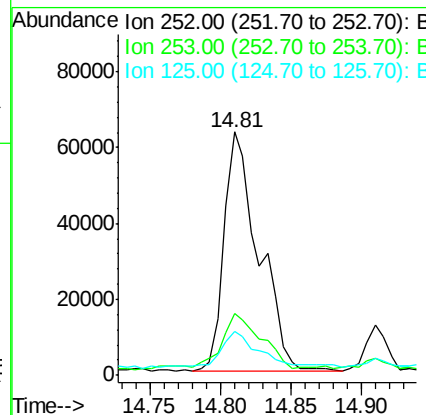
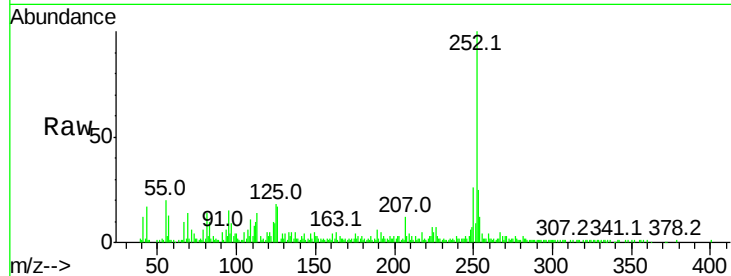




#88
Benzo(k)fluoranthene
Concen: 6.431 ng
RT: 14.81 min Scan# 2163
Delta R.T. -0.04 min
Lab File: BF098508.D
Acq: 14 Sep 2017 00:01

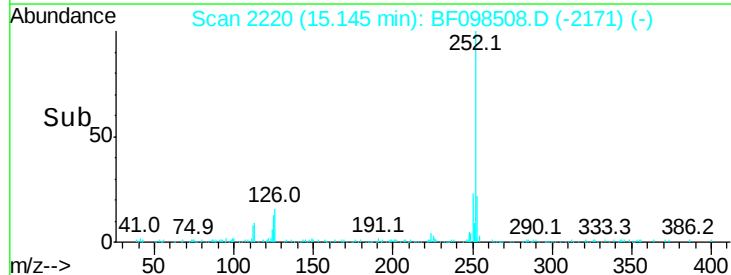
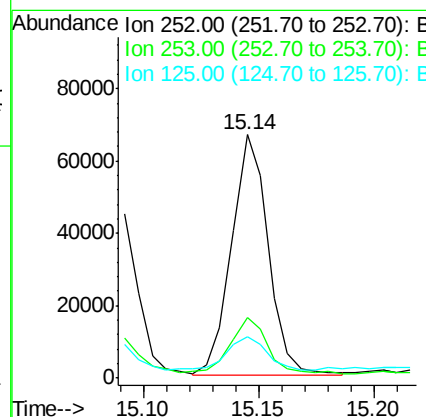
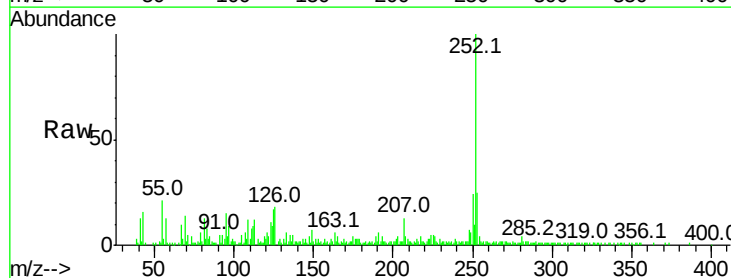
Instrument :
BNA_F
ClientSampleId :

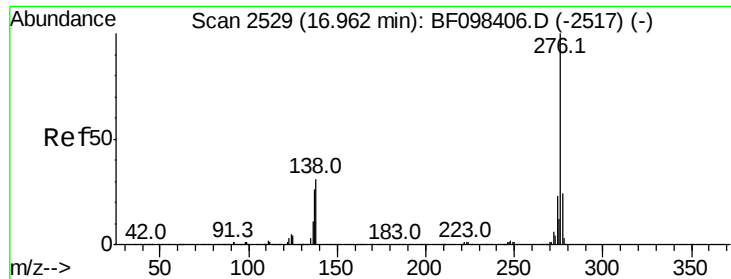
Tot Ion	Ratio	Lower	Upper
252	100		
253	25.4	18.4	27.6
125	18.2	13.1	19.7



#89
Benzo(a)pyrene
Concen: 4.571 ng
RT: 15.14 min Scan# 2220
Delta R.T. -0.01 min
Lab File: BF098508.D
Acq: 14 Sep 2017 00:01

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.8	17.5	26.3
125	16.8	11.0	16.4

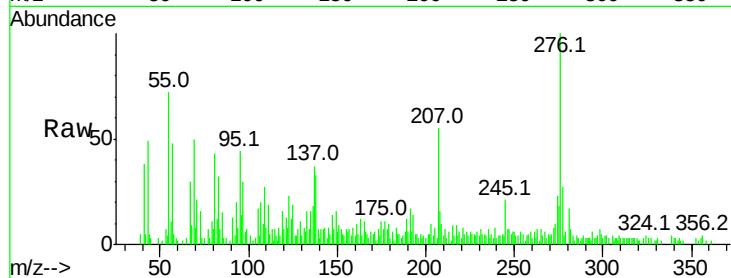




#91
 Benzo(a,h,i)perylene
 Concen: 2.138 ng
 RT: 16.94 min Scan# 2526
 Delta R.T. -0.02 min
 Lab File: BF098508.D
 Acq: 14 Sep 2017 00:01

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	27.0	18.6	28.0
138	33.1	25.4	38.0



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

