

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF091317\
 Data File : BF098489.D
 Acq On : 13 Sep 2017 14:51
 Operator : SJ/JU
 Sample : I5208-07 2X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 13 18:42:08 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	180251	20.00	ng	-0.02
21) Naphthalene-d8	7.93	136	748758	20.00	ng	-0.02
38) Acenaphthene-d10	9.69	164	316399	20.00	ng	-0.02
63) Phenanthrene-d10	11.17	188	500431	20.00	ng	-0.02
75) Chrysene-d12	13.80	240	361208	20.00	ng	-0.01
86) Perylene-d12	15.20	264	312415	20.00	ng	-0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.26	112	898235	73.68	ng	-0.02
7) Phenol-d6	6.30	99	1127169	72.82	ng	-0.02
23) Nitrobenzene-d5	7.22	82	663245	49.38	ng	-0.02
41) 2,4,6-Tribromophenol	10.47	330	170896	80.93	ng	-0.02
44) 2-Fluorobiphenyl	9.01	172	1131007	60.59	ng	-0.02
78) Terphenyl-d14	12.75	244	758073	45.30	ng	-0.02

Target Compounds

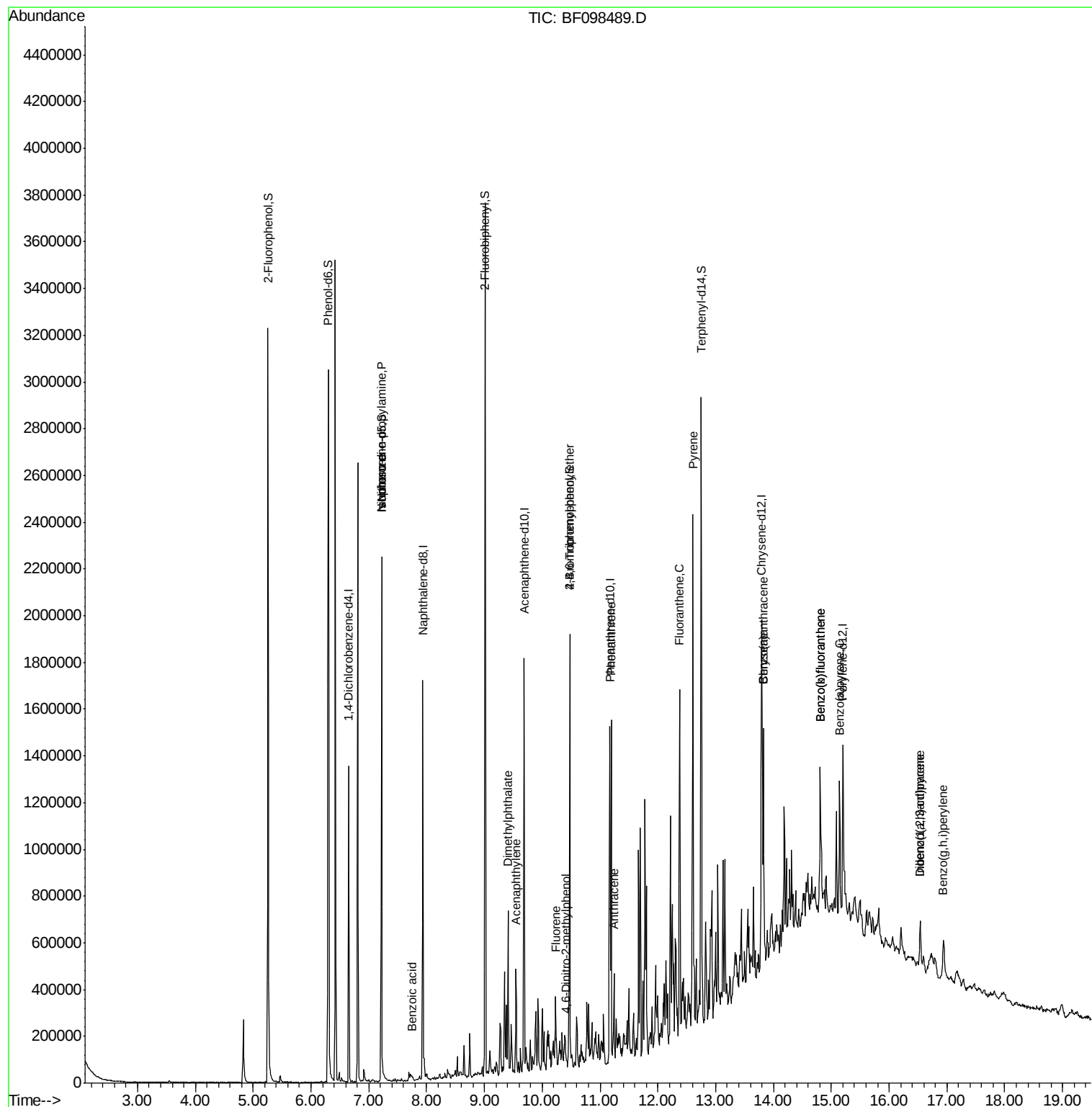
						Qvalue
19) n-Nitroso-di-n-propylamine	7.22	70	89971	9.241	ng	# 79
25) Isophorone	7.22	82	655116	24.108	ng	# 67
32) Benzoic acid	7.75	122	790	8.053	ng	# 56
48) Acenaphthylene	9.55	152	130127	4.327	ng	# 96
49) Dimethylphthalate	9.41	163	204968	8.369	ng	97
57) Fluorene	10.23	166	69110	3.316	ng	96
64) 4,6-Dinitro-2-methylphenol	10.42	198	114	4.998	ng	# 1
66) 4-Bromophenyl-phenylether	10.47	248	12625	2.658	ng	# 1
70) Phenanthrene	11.19	178	523561	19.735	ng	98
71) Anthracene	11.24	178	143065	5.252	ng	98
74) Fluoranthene	12.37	202	522607	19.678	ng	98
77) Pyrene	12.60	202	829779	29.121	ng	99
80) Benzo(a)anthracene	13.83	228	383553	18.112	ng	95
82) Chrysene	13.83	228	383553	17.918	ng	98
85) Indeno(1,2,3-cd)pyrene	16.54	276	111064	7.395	ng	92
87) Benzo(b)fluoranthene	14.81	252	378614	19.274	ng	# 95
88) Benzo(k)fluoranthene	14.81	252	378601	20.645	ng	98
89) Benzo(a)pyrene	15.14	252	237320	13.561	ng	96
90) Dibenzo(a,h)anthracene	16.54	278	34327	2.696	ng	# 70
91) Benzo(a,h,i)perylene	16.94	276	121327	9.475	ng	97

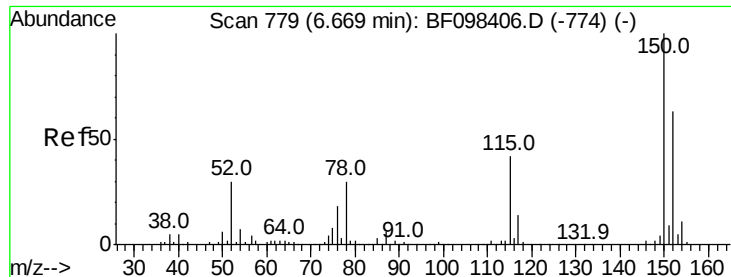
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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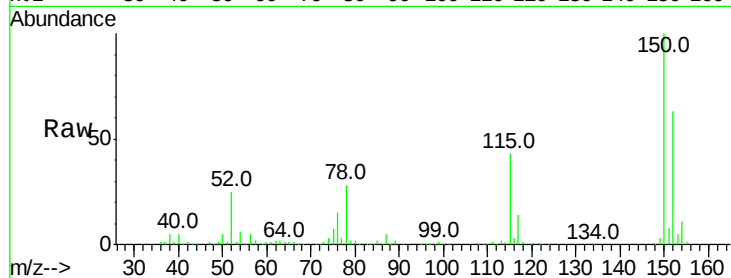


#1

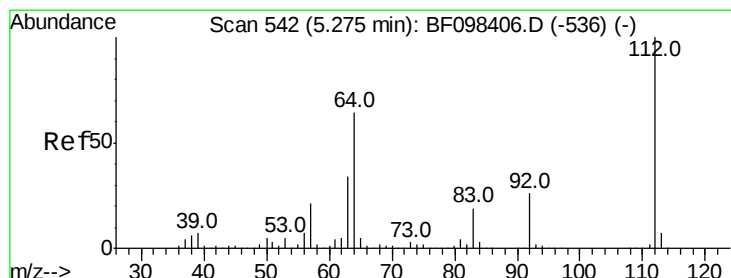
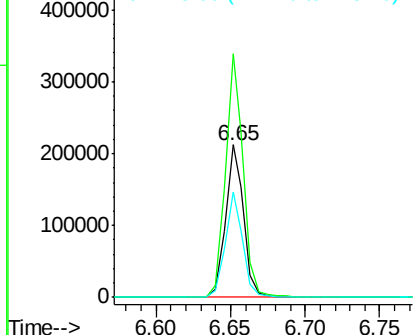
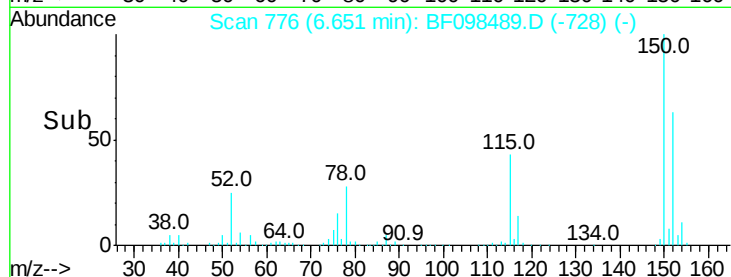
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.65 min Scan# 776
Delta R.T. -0.02 min
Lab File: BF098489.D
Acq: 13 Sep 2017 14:51

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.8	126.2	189.2
115	69.5	52.2	78.2



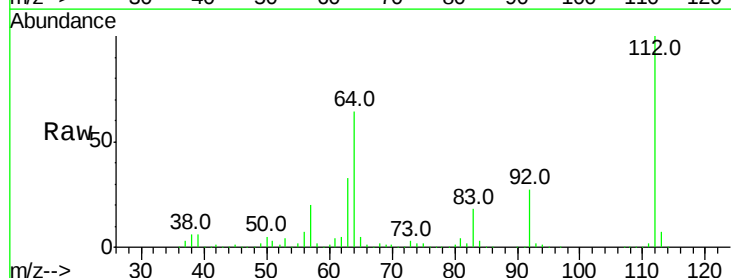
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



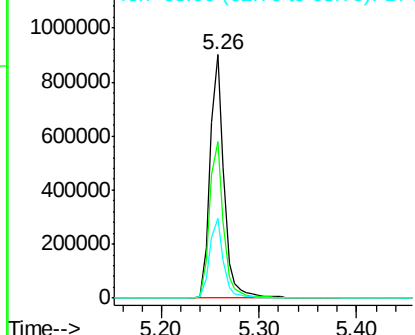
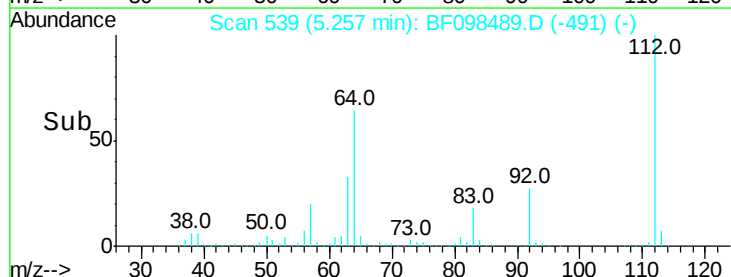
#5

2-Fluorophenol
Concen: 73.678 ng
RT: 5.26 min Scan# 539
Delta R.T. -0.02 min
Lab File: BF098489.D
Acq: 13 Sep 2017 14:51

Tgt Ion	Ratio	Lower	Upper
112	100		
64	64.3	46.0	69.0
63	32.7	23.4	35.0



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





#7

Phenol-d6

Concen: 72.820 ng

RT: 6.30 min Scan# 716

Delta R.T. -0.02 min

Lab File: BF098489.D

Acq: 13 Sep 2017 14:51

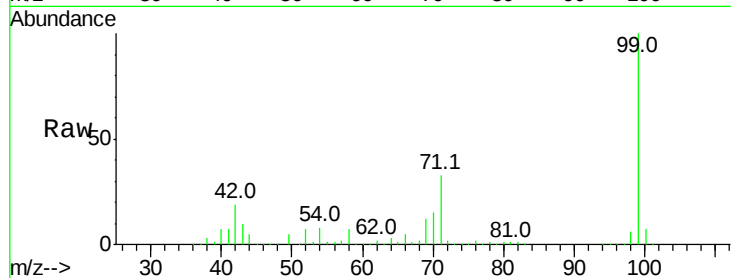
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 1127169

Ion	Ratio	Lower	Upper
99	100		
42	18.9	13.5	20.3
71	33.3	24.5	36.7

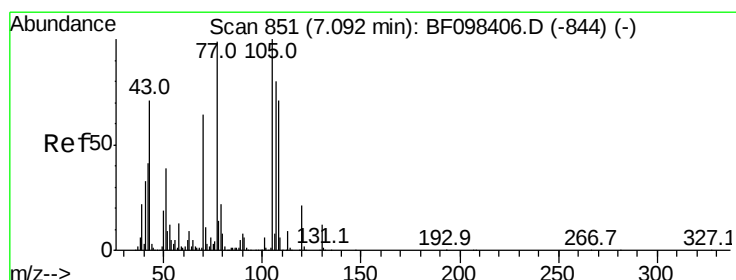
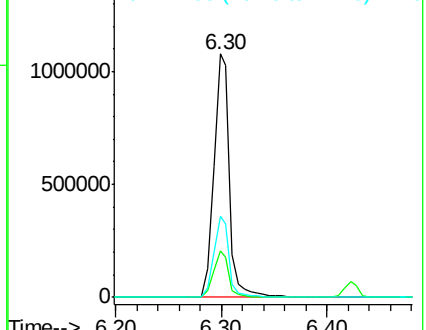
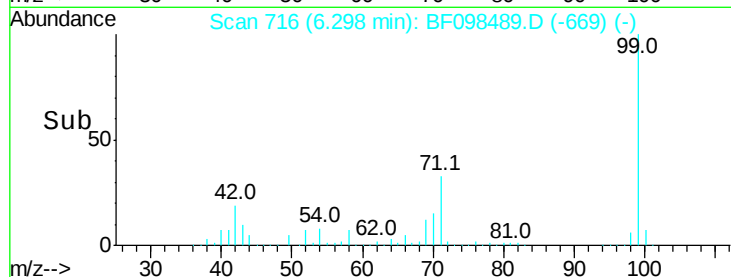


Abundance

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



#19

n-Nitroso-di-n-propylamine

Concen: 9.241 ng

RT: 7.22 min Scan# 873

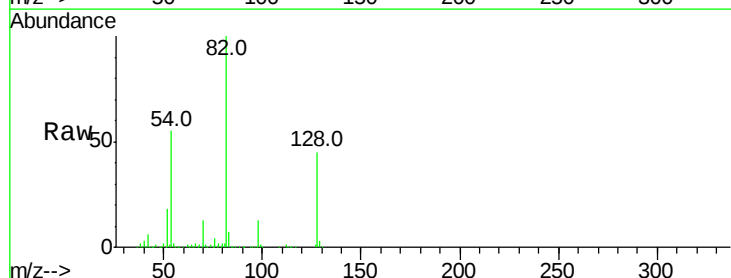
Delta R.T. 0.13 min

Lab File: BF098489.D

Acq: 13 Sep 2017 14:51

Tgt Ion: 70 Resp: 89971

Ion	Ratio	Lower	Upper
70	100		
42	48.1	47.2	70.8
101	0.0	7.2	10.8#
130	2.0	15.9	23.9#



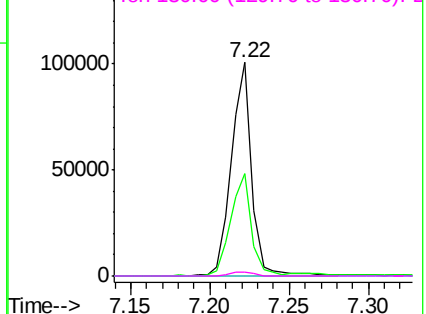
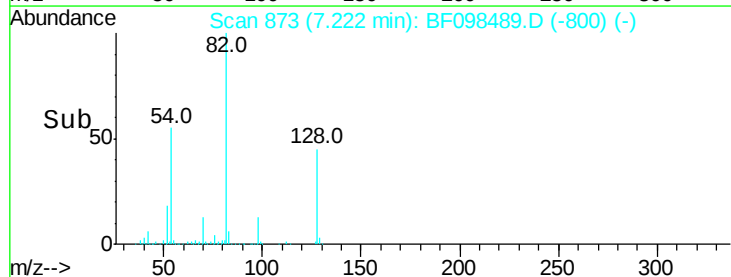
Abundance

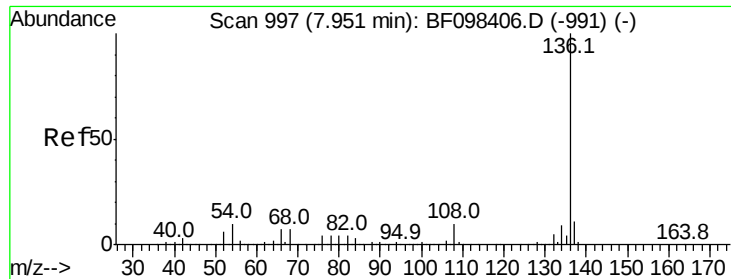
Ion 70.00 (69.70 to 70.70): BF0

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: 7.93 min Scan# 994

Delta R.T. -0.02 min

Lab File: BF098489.D

Acq: 13 Sep 2017 14:51

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 748758

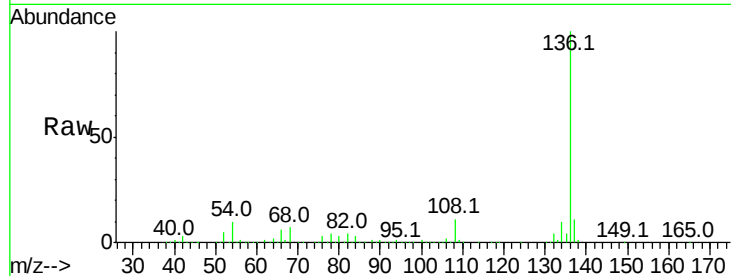
Ion Ratio Lower Upper

136 100

137 11.5 8.5 12.7

54 10.4 4.9 7.3#

68 7.0 4.1 6.1#

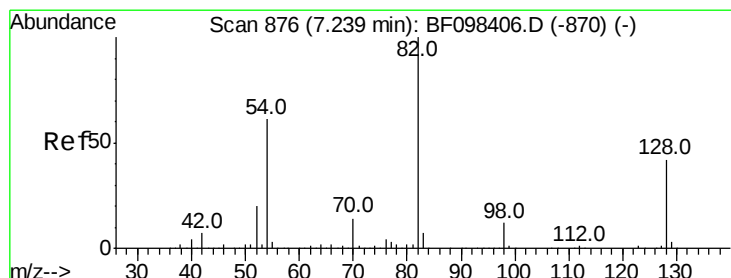
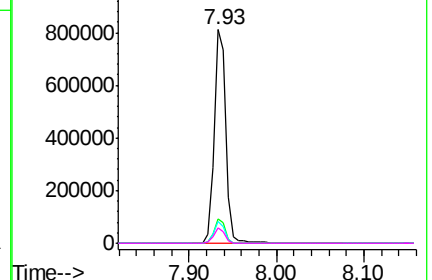
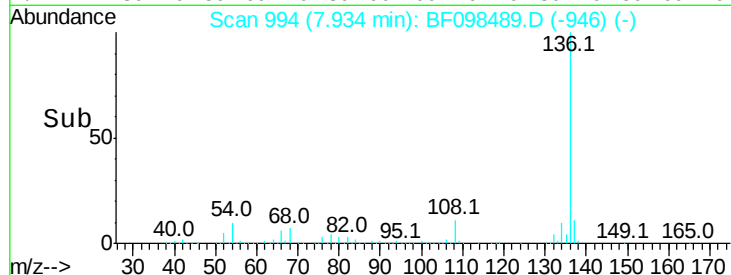


Abundance Ion 136.00 (135.70 to 136.70): E

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: 49.383 ng

RT: 7.22 min Scan# 873

Delta R.T. -0.02 min

Lab File: BF098489.D

Acq: 13 Sep 2017 14:51

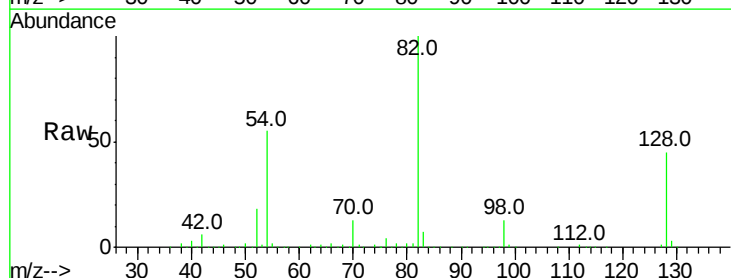
Tgt Ion: 82 Resp: 663245

Ion Ratio Lower Upper

82 100

128 45.2 34.0 51.0

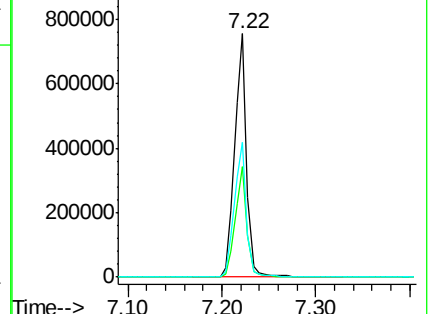
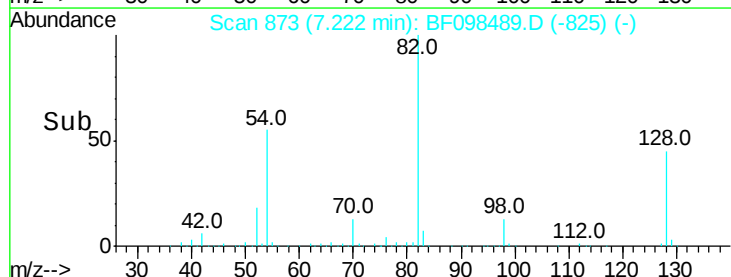
54 55.1 42.2 63.2

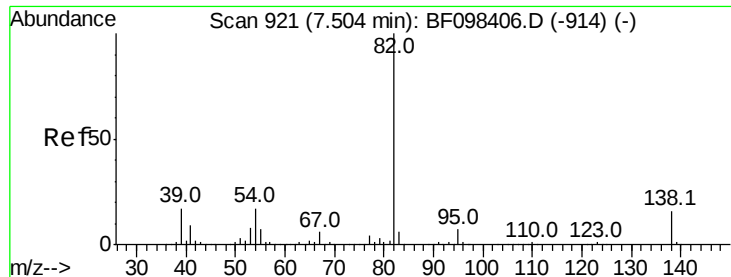


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 24.108 ng

RT: 7.22 min Scan# 873

Delta R.T. -0.28 min

Lab File: BF098489.D

Acq: 13 Sep 2017 14:51

Instrument :
BNA_F
ClientSampleId :

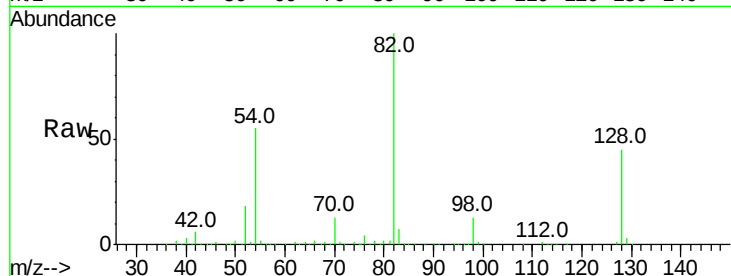
Tot Ion: 82 Resp: 655116

Ion Ratio Lower Upper

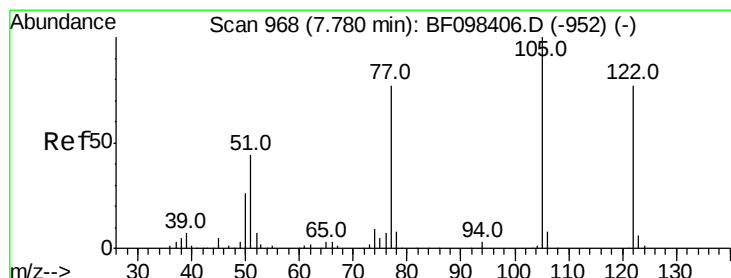
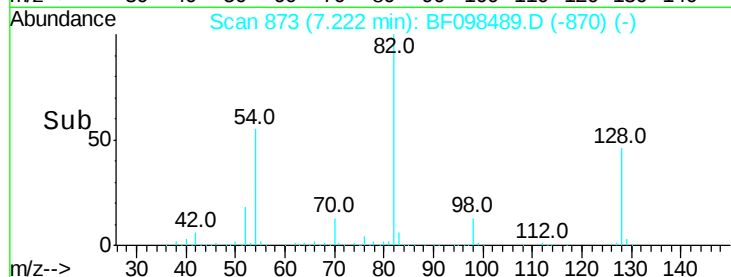
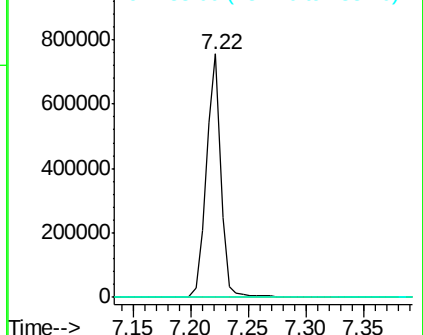
82 100

95 0.1 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



#32

Benzoic acid

Concen: 8.053 ng

RT: 7.75 min Scan# 962

Delta R.T. -0.03 min

Lab File: BF098489.D

Acq: 13 Sep 2017 14:51

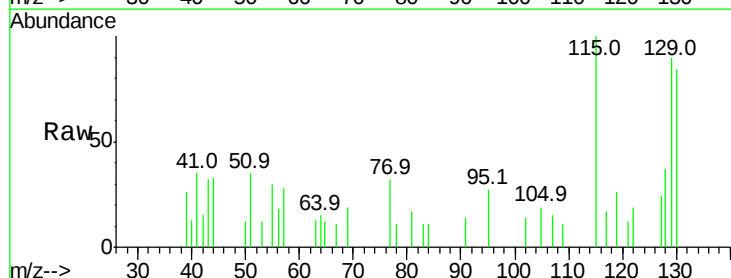
Tgt Ion: 122 Resp: 790

Ion Ratio Lower Upper

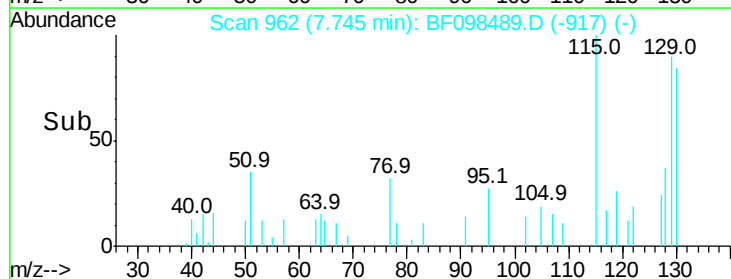
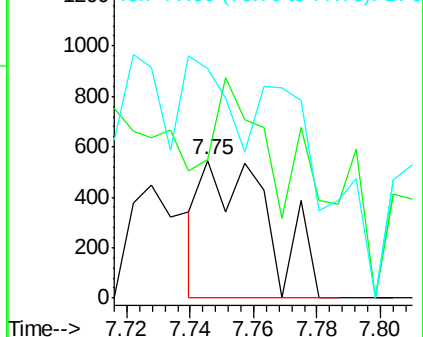
122 100

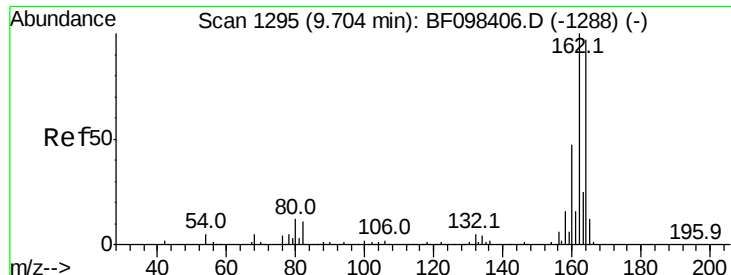
105 100.9 103.3 143.3#

77 167.0 73.7 113.7#



Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BF0

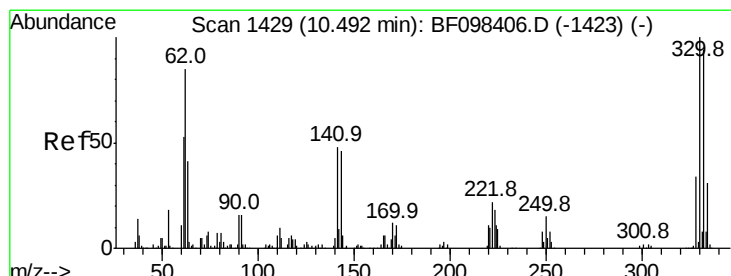
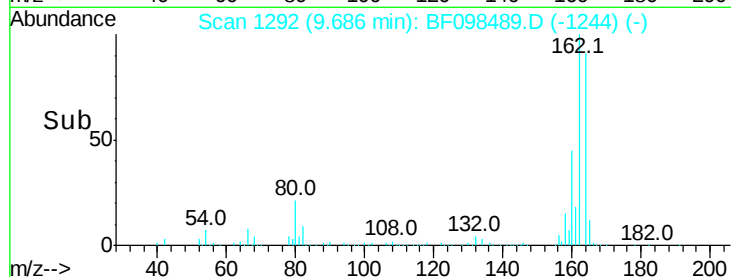
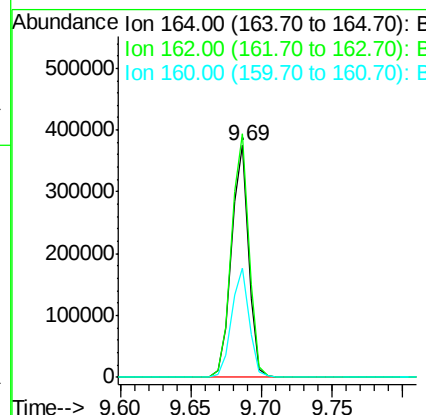
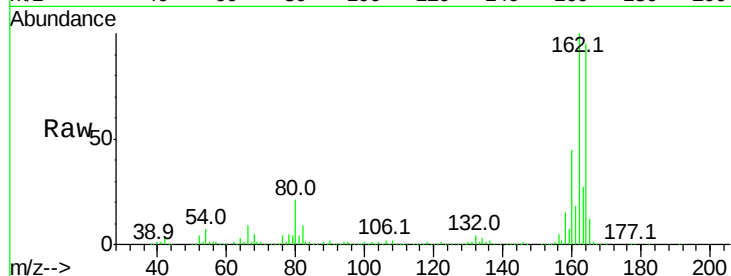




#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.69 min Scan# 1292
 Delta R.T. -0.02 min
 Lab File: BF098489.D
 Acq: 13 Sep 2017 14:51

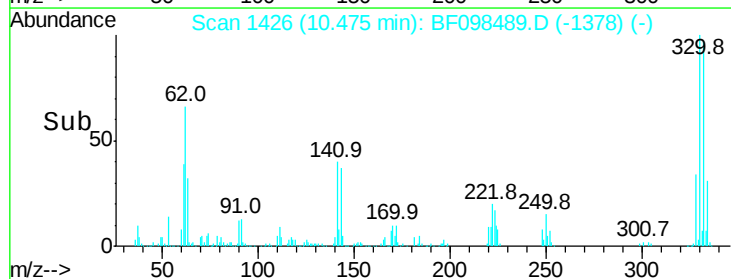
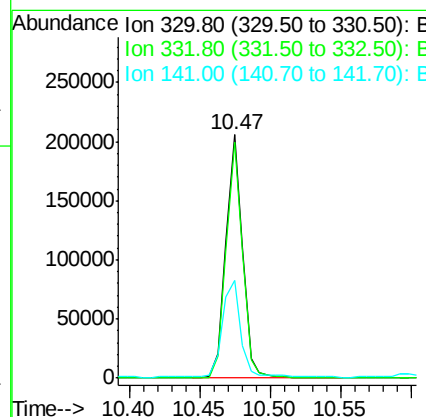
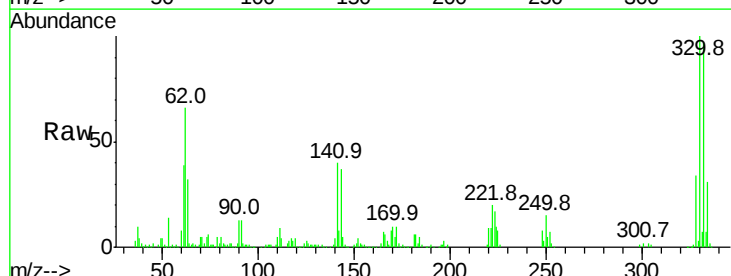
Instrument :
 BNA_F
 ClientSampleId :

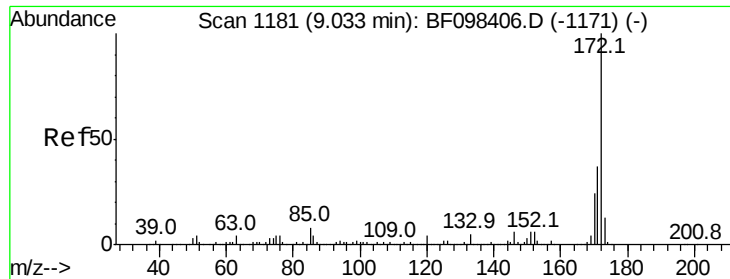
Tot Ion:164 Resp: 316399
 Ion Ratio Lower Upper
 164 100
 162 105.1 82.6 123.8
 160 47.1 36.2 54.2



#41
 2,4,6-Tribromophenol
 Concen: 80.928 ng
 RT: 10.47 min Scan# 1426
 Delta R.T. -0.02 min
 Lab File: BF098489.D
 Acq: 13 Sep 2017 14:51

Tgt Ion:330 Resp: 170896
 Ion Ratio Lower Upper
 330 100
 332 95.4 76.6 115.0
 141 45.3 31.4 47.2



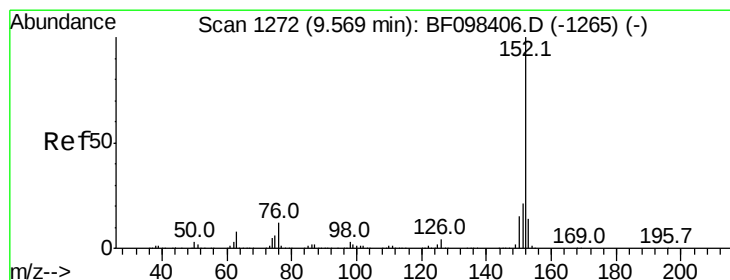
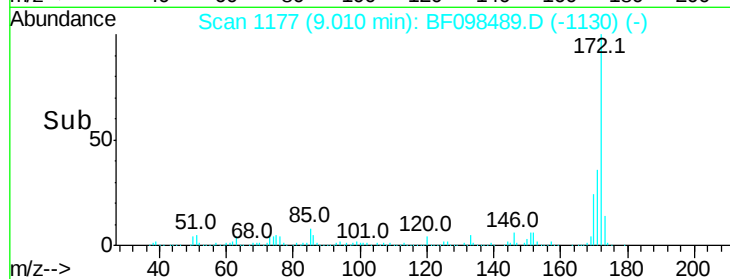
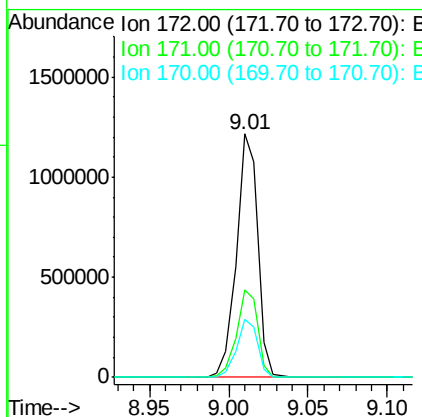
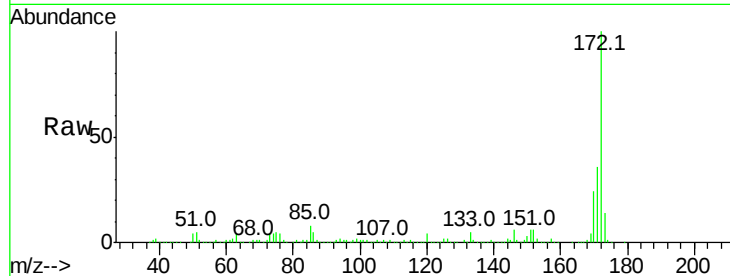


#44
 2-Fluorobiphenyl
 Concen: 60.587 ng
 RT: 9.01 min Scan# 1177
 Delta R.T. -0.02 min
 Lab File: BF098489.D
 Acq: 13 Sep 2017 14:51

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:172 Resp: 1131007

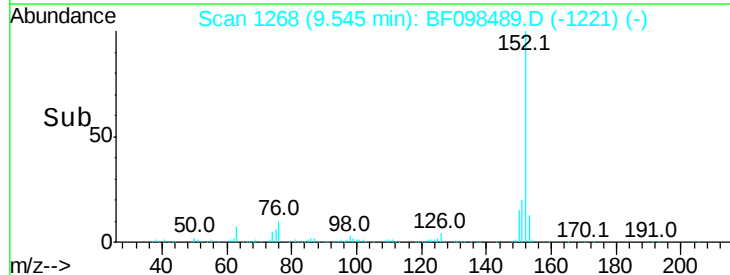
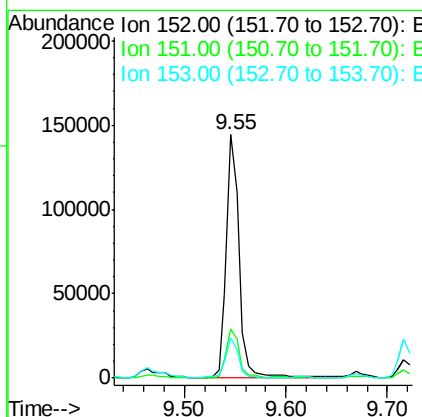
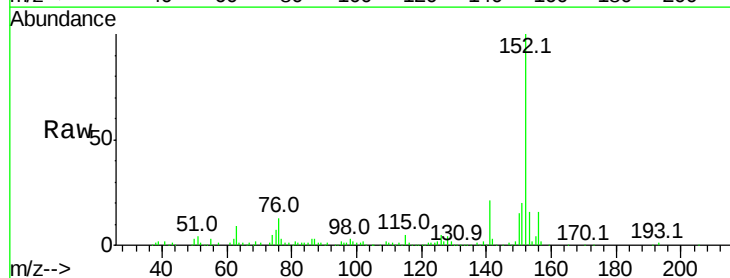
Ion	Ratio	Lower	Upper
172	100		
171	35.8	29.6	44.4
170	23.9	19.8	29.8

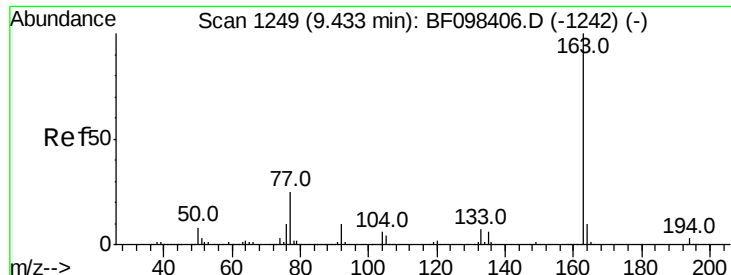


#48
 Acenaphthylene
 Concen: 4.327 ng
 RT: 9.55 min Scan# 1268
 Delta R.T. -0.02 min
 Lab File: BF098489.D
 Acq: 13 Sep 2017 14:51

Tgt Ion:152 Resp: 130127

Ion	Ratio	Lower	Upper
152	100		
151	20.4	16.8	25.2
153	16.5	10.8	16.2#

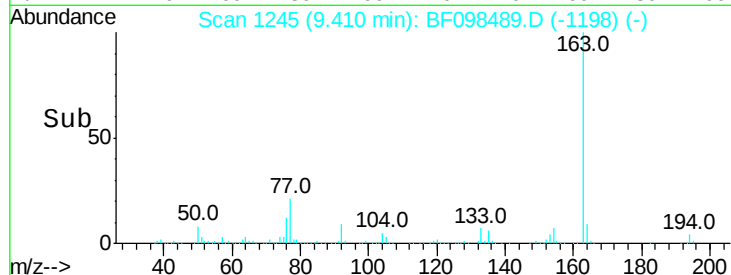
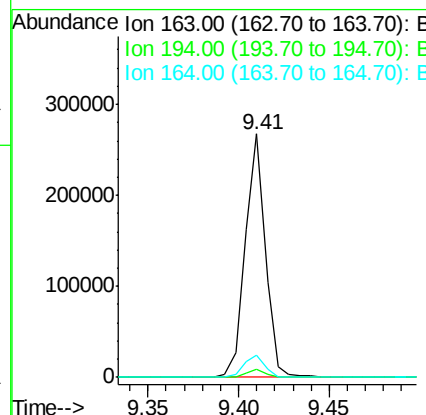
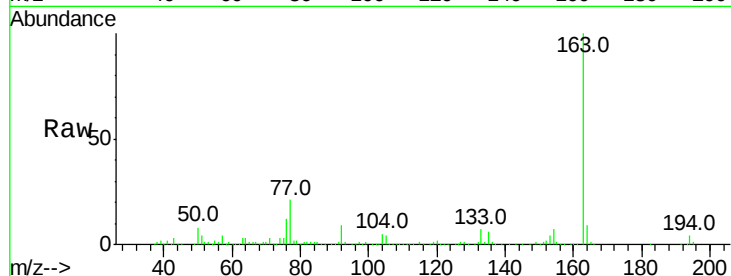




#49
Dimethylphthalate
Concen: 8.369 ng
RT: 9.41 min Scan# 1245
Delta R.T. -0.02 min
Lab File: BF098489.D
Acq: 13 Sep 2017 14:51

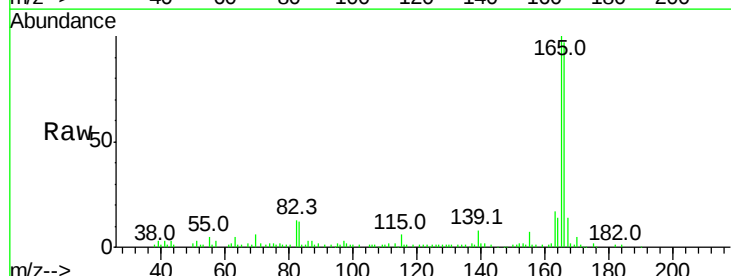
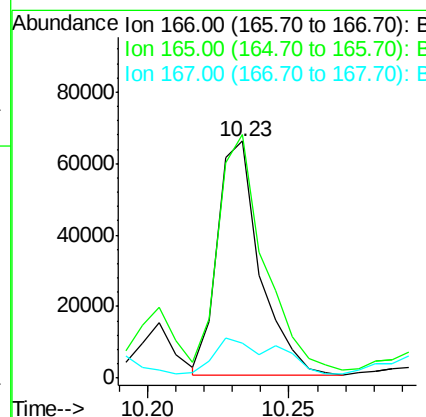
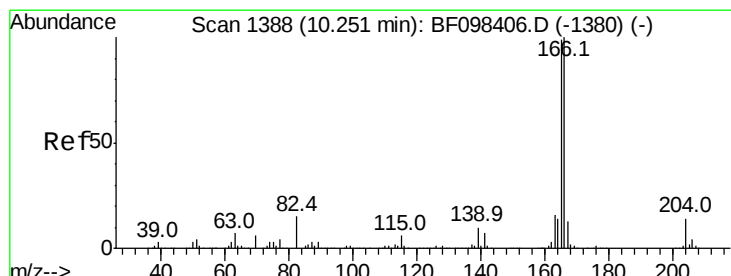
Instrument :
BNA_F
ClientSampleId :

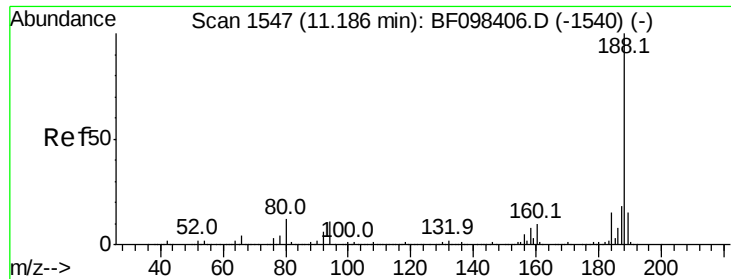
Tot Ion:163 Resp: 204968
Ion Ratio Lower Upper
163 100
194 3.5 2.6 4.0
164 9.2 8.4 12.6



#57
Fluorene
Concen: 3.316 ng
RT: 10.23 min Scan# 1385
Delta R.T. -0.02 min
Lab File: BF098489.D
Acq: 13 Sep 2017 14:51

Tgt Ion:166 Resp: 69110
Ion Ratio Lower Upper
166 100
165 102.9 78.8 118.2
167 14.7 10.6 16.0

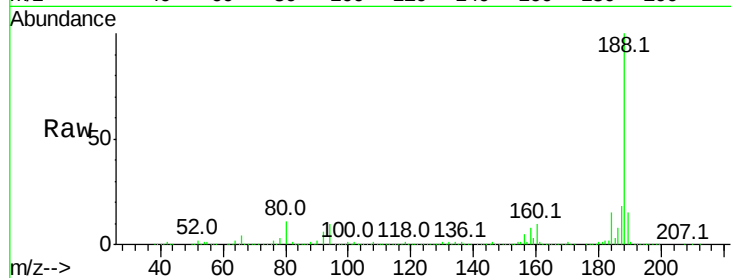




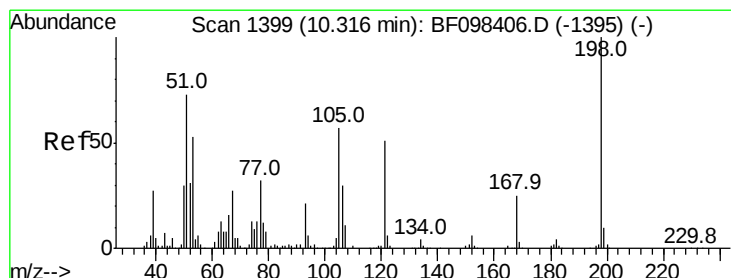
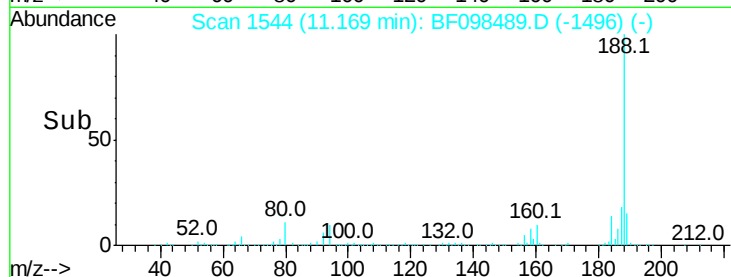
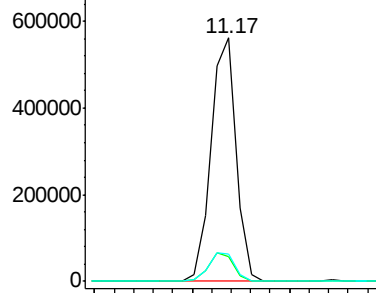
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.17 min Scan# 1544
Delta R.T. -0.02 min
Lab File: BF098489.D
Acq: 13 Sep 2017 14:51

Instrument :
BNA_F
ClientSampleId :

Tot Ion:188 Resp: 500431
Ion Ratio Lower Upper
188 100
94 10.4 9.4 14.2
80 11.3 10.2 15.2

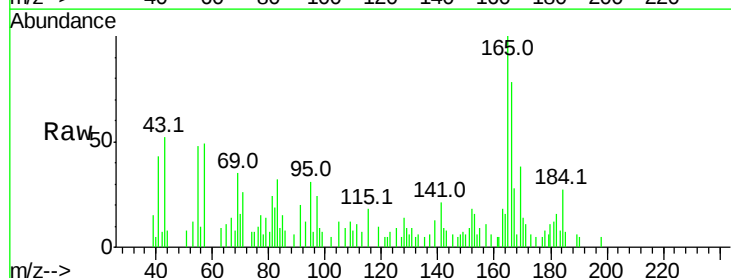


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

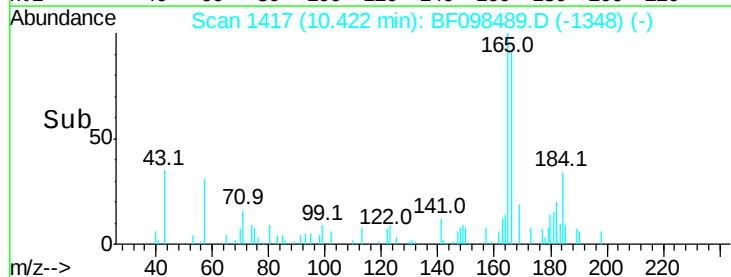
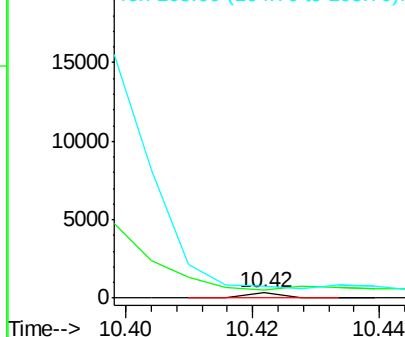


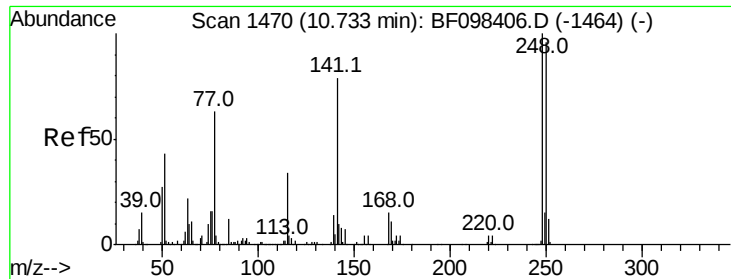
#64
4,6-Dinitro-2-methylphenol
Concen: 4.998 ng
RT: 10.42 min Scan# 1417
Delta R.T. 0.11 min
Lab File: BF098489.D
Acq: 13 Sep 2017 14:51

Tgt Ion:198 Resp: 114
Ion Ratio Lower Upper
198 100
51 168.6 53.2 93.2#
105 237.3 45.8 85.8#



Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF0
Ion 105.00 (104.70 to 105.70): E

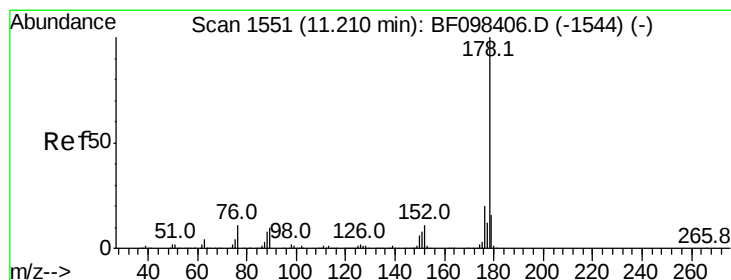
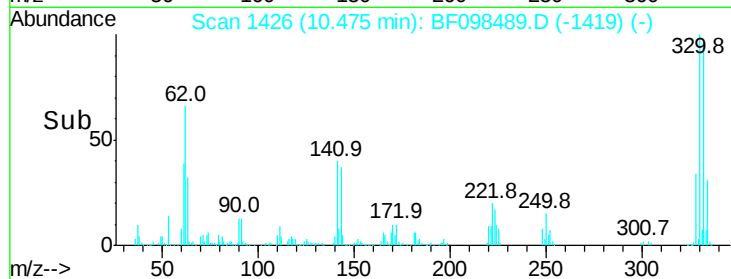
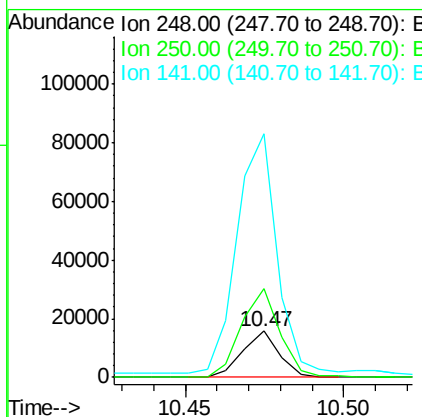
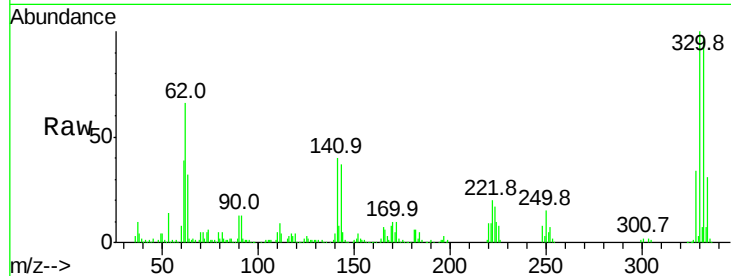




#66
 4-Bromophenyl-phenylether
 Concen: 2.658 ng
 RT: 10.47 min Scan# 1426
 Delta R.T. -0.26 min
 Lab File: BF098489.D
 Acq: 13 Sep 2017 14:51

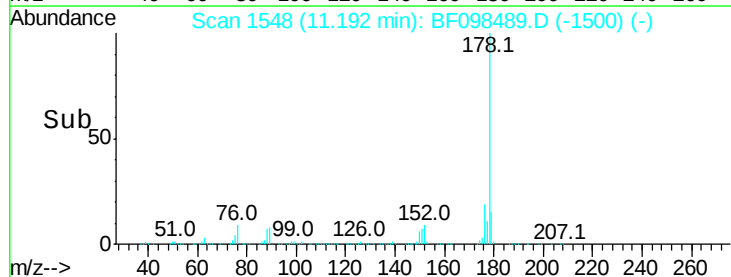
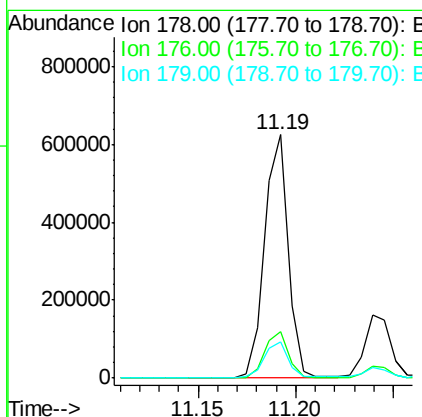
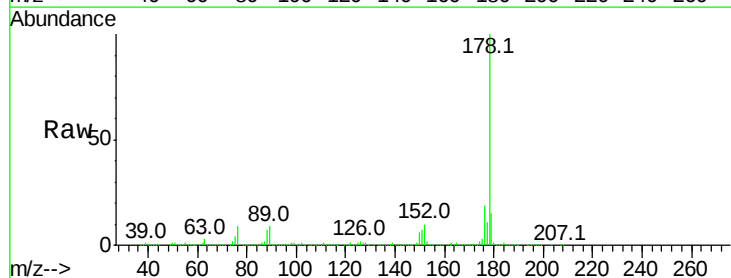
Instrument :
 BNA_F
 ClientSampleId :

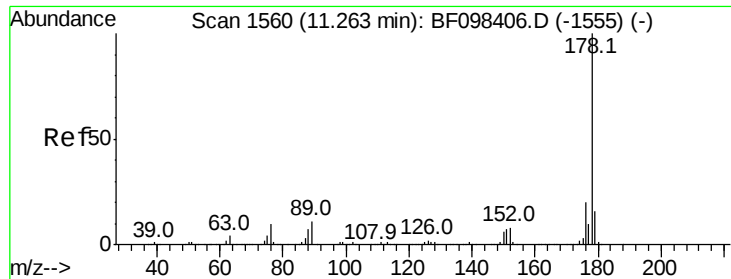
Tot Ion	Ratio	Lower	Upper
248	100		
250	191.0	76.8	115.2#
141	527.1	68.6	103.0#



#70
 Phenanthrene
 Concen: 19.735 ng
 RT: 11.19 min Scan# 1548
 Delta R.T. -0.02 min
 Lab File: BF098489.D
 Acq: 13 Sep 2017 14:51

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.2	16.2	24.4
179	15.1	12.6	19.0

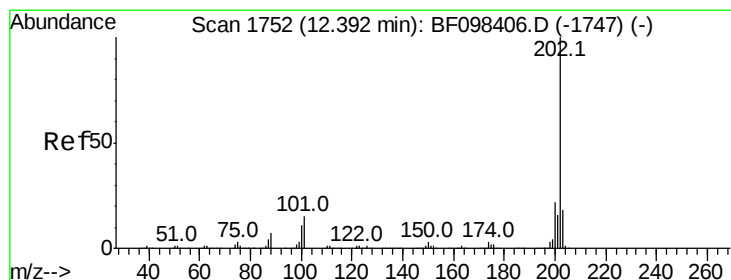
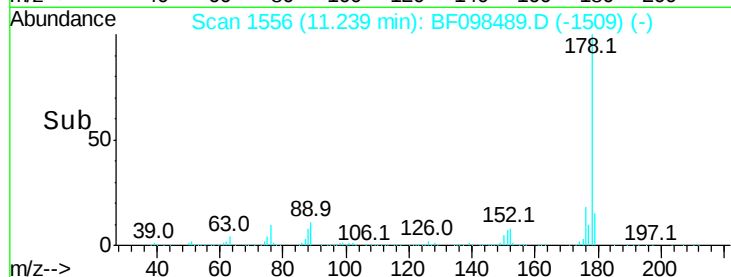
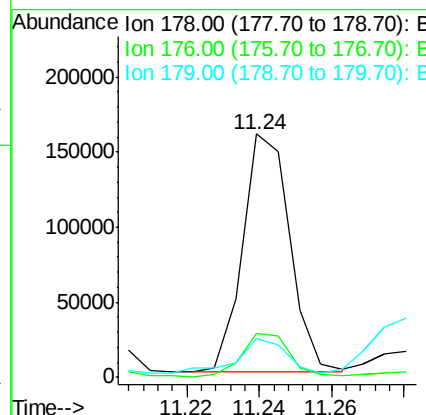
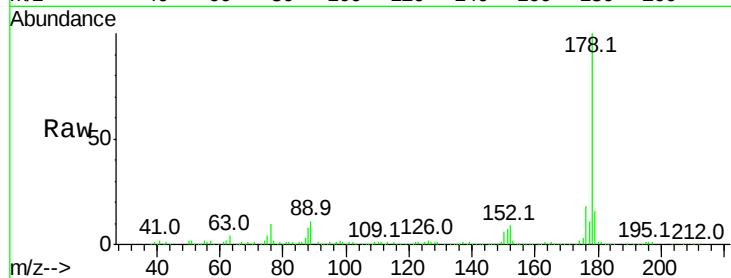




#71
 Anthracene
 Concen: 5.252 ng
 RT: 11.24 min Scan# 1556
 Delta R.T. -0.02 min
 Lab File: BF098489.D
 Acq: 13 Sep 2017 14:51

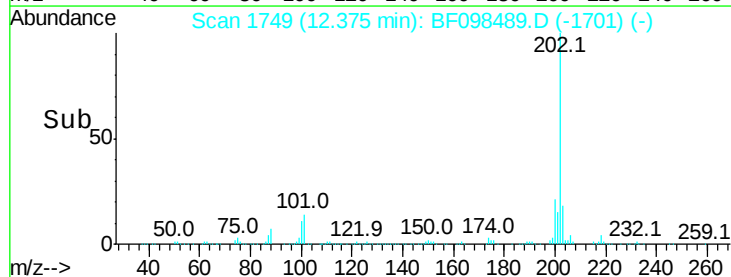
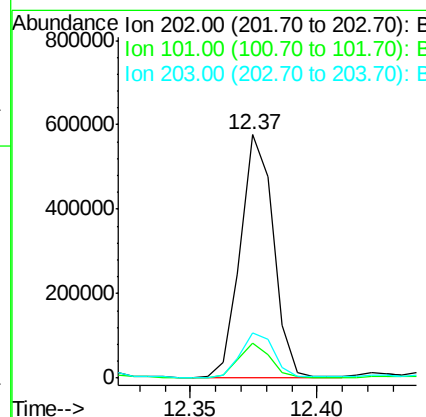
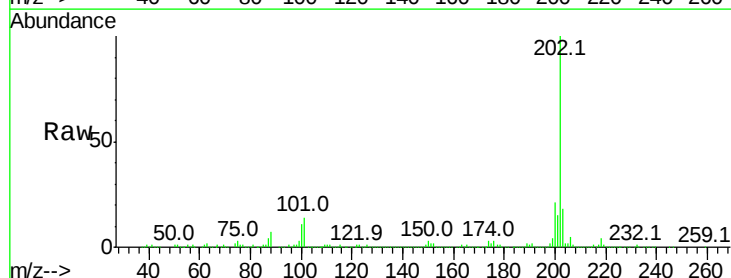
Instrument :
 BNA_F
 ClientSampleId :

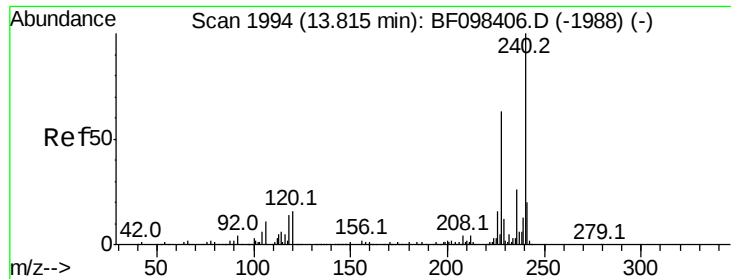
Tot Ion:178 Resp: 143065
 Ion Ratio Lower Upper
 178 100
 176 18.0 15.8 23.8
 179 15.9 12.7 19.1



#74
 Fluoranthene
 Concen: 19.678 ng
 RT: 12.37 min Scan# 1749
 Delta R.T. -0.02 min
 Lab File: BF098489.D
 Acq: 13 Sep 2017 14:51

Tgt Ion:202 Resp: 522607
 Ion Ratio Lower Upper
 202 100
 101 14.4 0.0 33.2
 203 18.4 0.0 38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.80 min Scan# 1992

Delta R.T. -0.01 min

Lab File: BF098489.D

Acq: 13 Sep 2017 14:51

Instrument :

BNA_F

ClientSampleId :

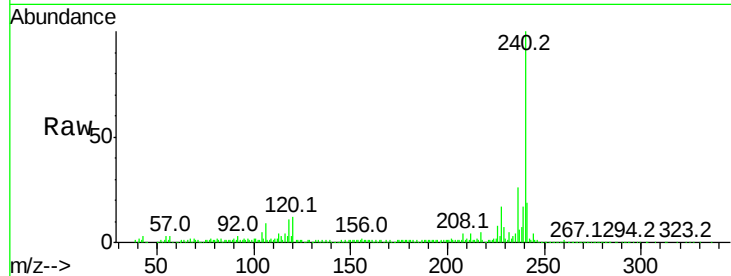
Tot Ion:240 Resp: 361208

Ion Ratio Lower Upper

240 100

120 12.5 5.8 8.8#

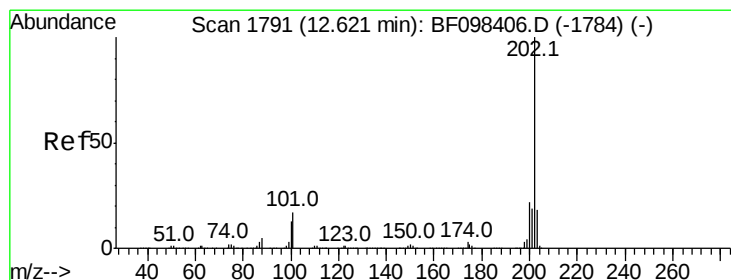
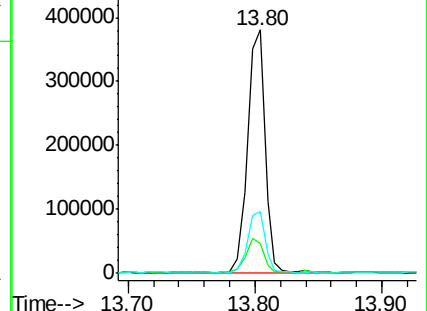
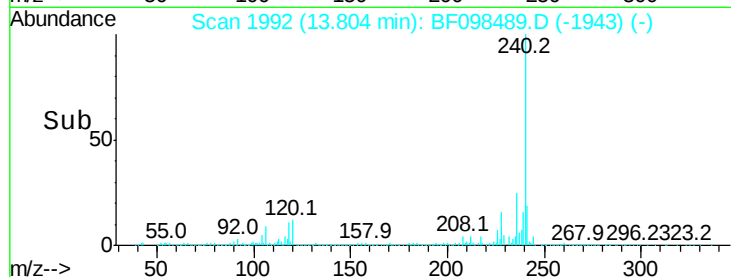
236 25.6 20.5 30.7



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: 29.121 ng

RT: 12.60 min Scan# 1788

Delta R.T. -0.02 min

Lab File: BF098489.D

Acq: 13 Sep 2017 14:51

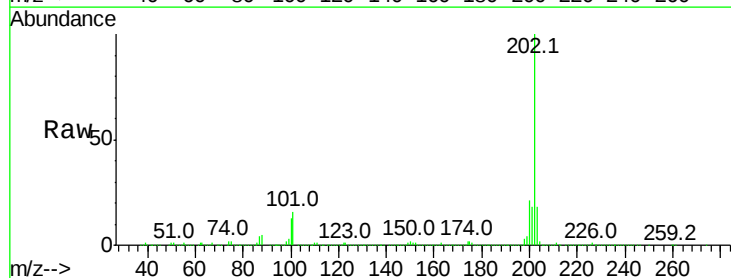
Tgt Ion:202 Resp: 829779

Ion Ratio Lower Upper

202 100

200 21.0 17.6 26.4

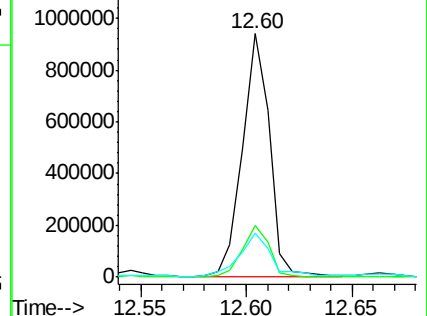
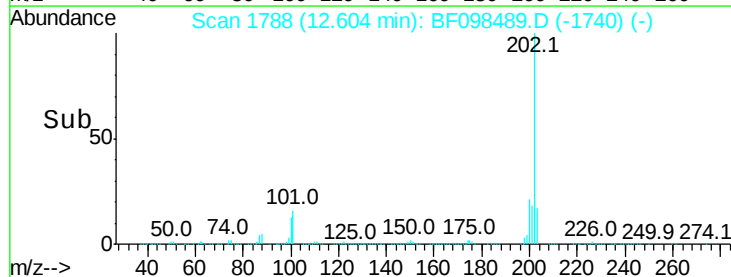
203 18.0 14.4 21.6

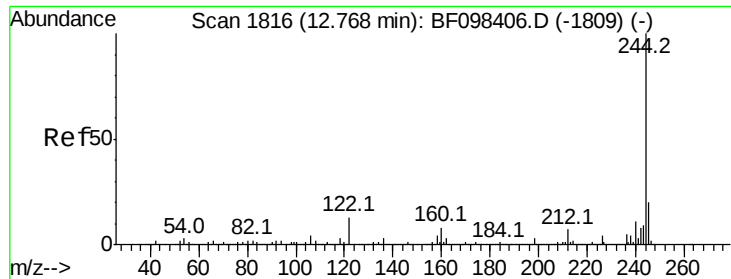


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

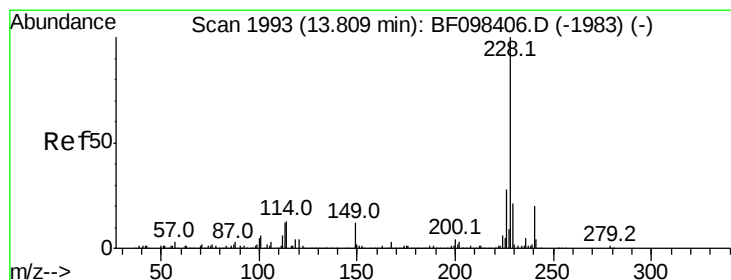
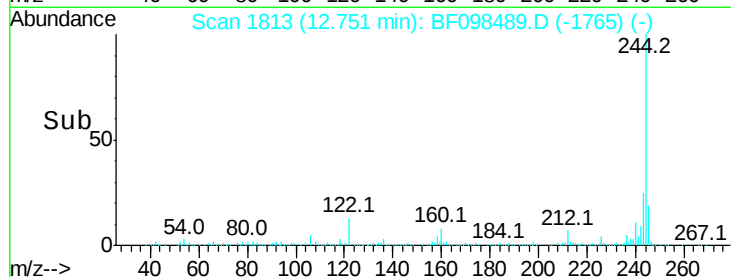
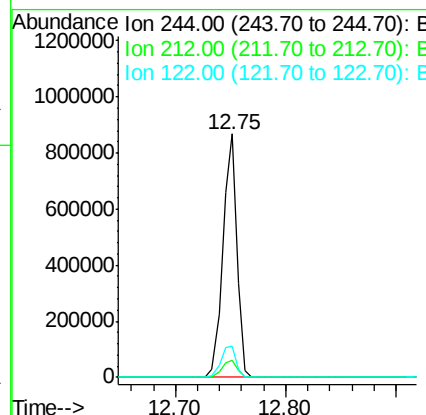
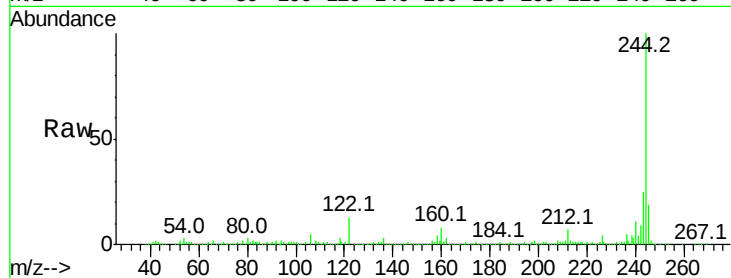




#78
 Terphenyl-d14
 Concen: 45.300 ng
 RT: 12.75 min Scan# 1813
 Delta R.T. -0.02 min
 Lab File: BF098489.D
 Acq: 13 Sep 2017 14:51

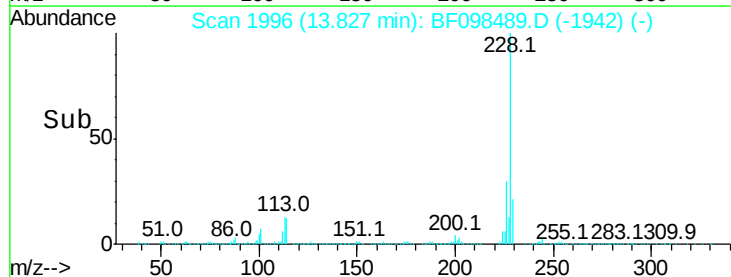
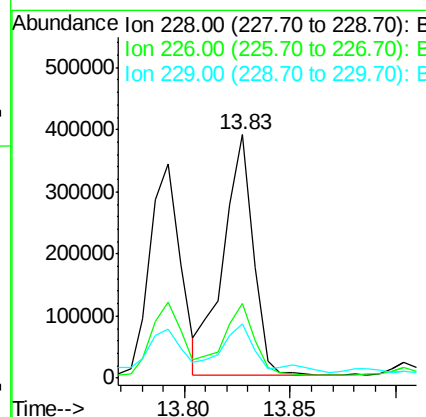
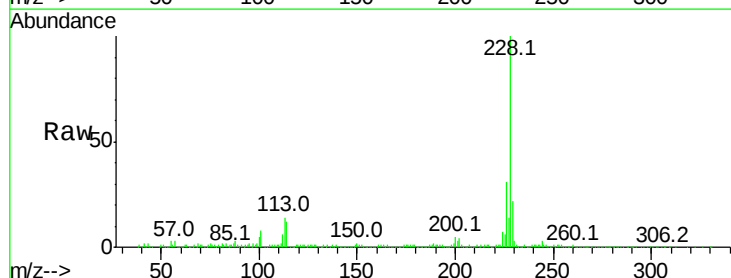
Instrument :
 BNA_F
 ClientSampled :

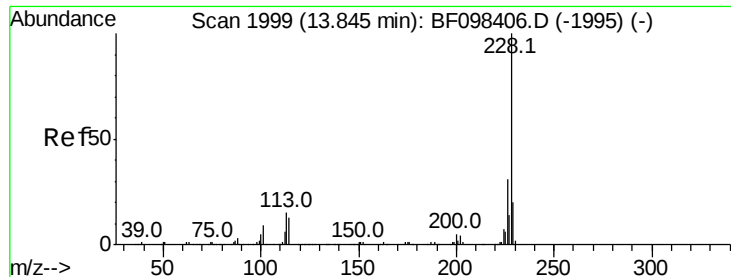
Tot Ion:244 Resp: 758073
 Ion Ratio Lower Upper
 244 100
 212 7.3 6.0 9.0
 122 12.6 10.3 15.5



#80
 Benzo(a)anthracene
 Concen: 18.112 ng
 RT: 13.83 min Scan# 1996
 Delta R.T. 0.02 min
 Lab File: BF098489.D
 Acq: 13 Sep 2017 14:51

Tgt Ion:228 Resp: 383553
 Ion Ratio Lower Upper
 228 100
 226 30.9 22.6 33.8
 229 22.4 16.3 24.5





#82

Chrysene

Concen: 17.918 ng

RT: 13.83 min Scan# 1996

Delta R.T. -0.02 min

Lab File: BF098489.D

Acq: 13 Sep 2017 14:51

Instrument :

BNA_F

ClientSampleId :

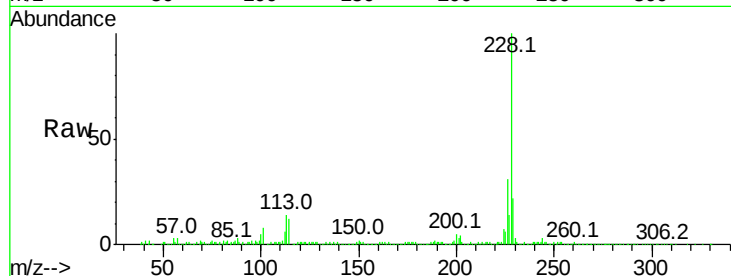
Tot Ion:228 Resp: 383553

Ion Ratio Lower Upper

228 100

226 30.9 24.9 37.3

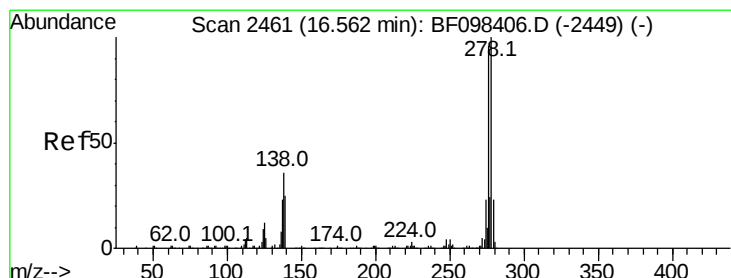
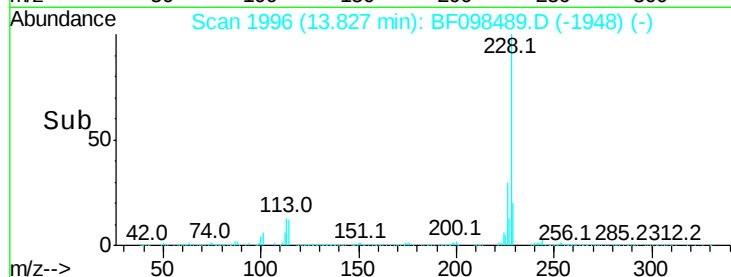
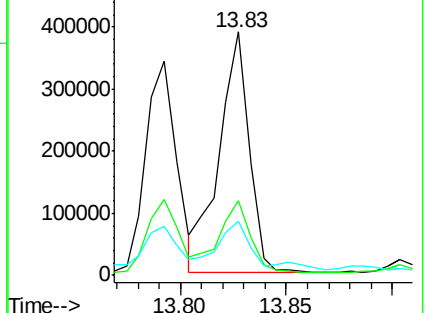
229 22.4 15.8 23.6



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



#85

Indeno(1,2,3-cd)pyrene

Concen: 7.395 ng

RT: 16.54 min Scan# 2457

Delta R.T. -0.02 min

Lab File: BF098489.D

Acq: 13 Sep 2017 14:51

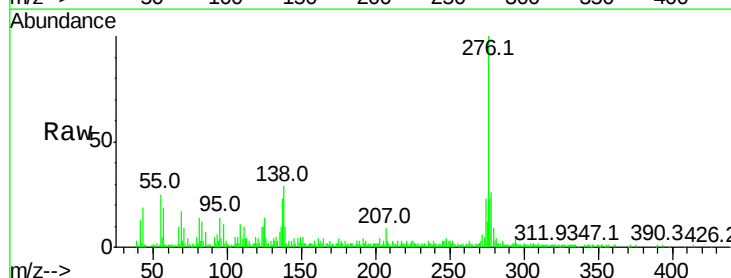
Tgt Ion:276 Resp: 111064

Ion Ratio Lower Upper

276 100

138 28.2 27.8 41.6

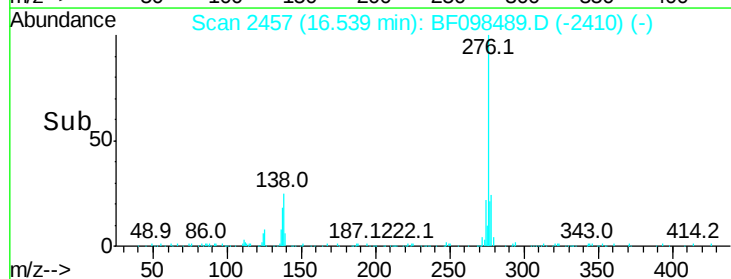
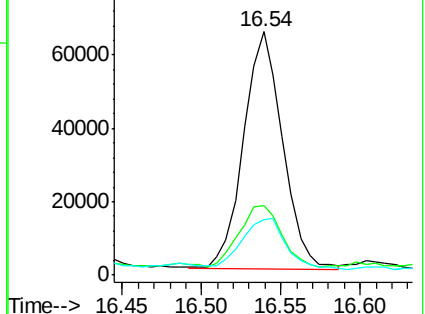
277 23.7 20.2 30.4

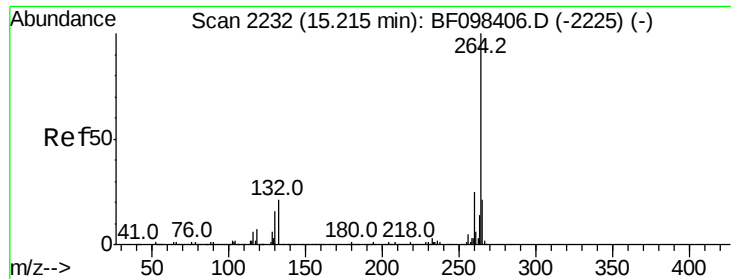


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

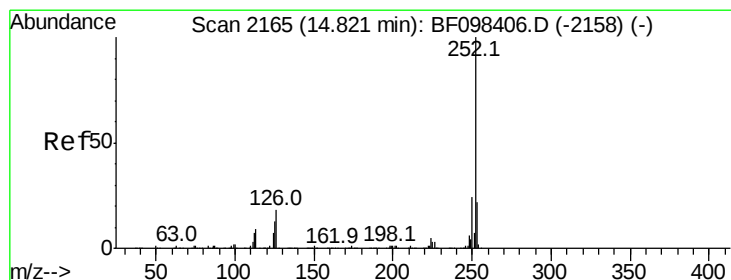
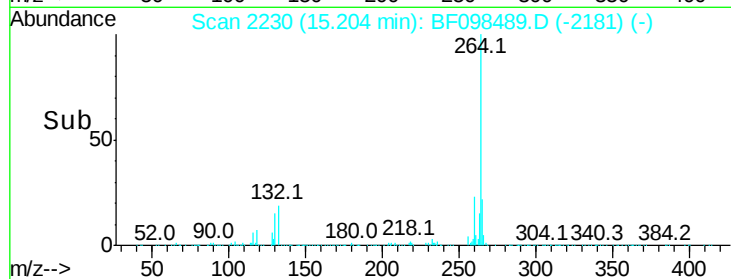
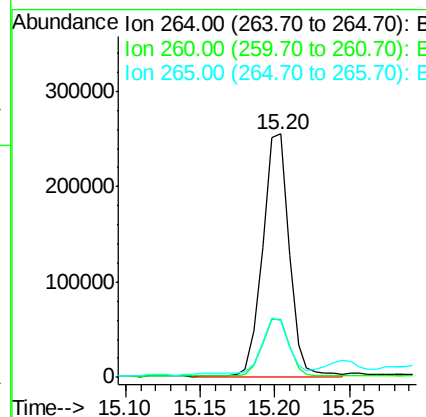
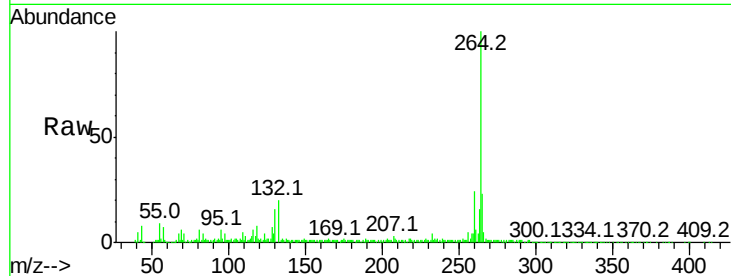




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.20 min Scan# 2230
Delta R.T. -0.01 min
Lab File: BF098489.D
Acq: 13 Sep 2017 14:51

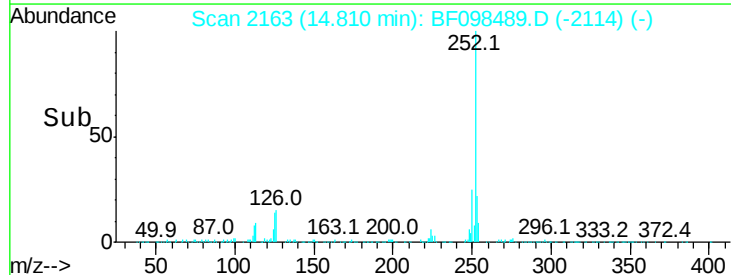
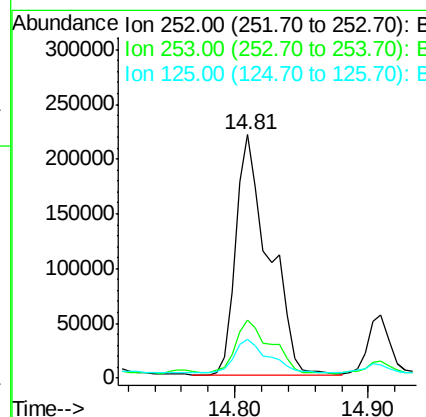
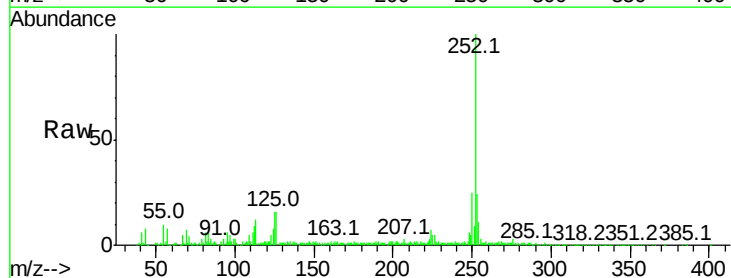
Instrument :
BNA_F
ClientSampleId :

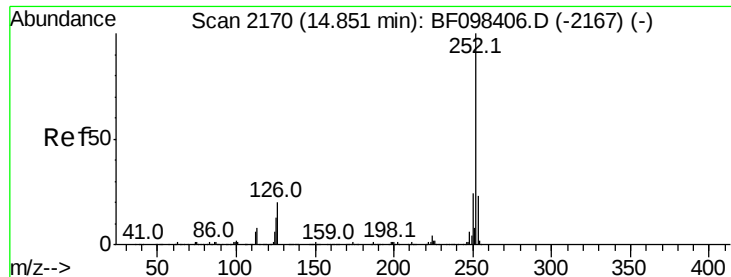
Tot Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.5	29.3
265	23.1	17.2	25.8



#87
Benzo(b)fluoranthene
Concen: 19.274 ng
RT: 14.81 min Scan# 2163
Delta R.T. -0.01 min
Lab File: BF098489.D
Acq: 13 Sep 2017 14:51

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.9	18.1	27.1
125	16.0	9.8	14.8#

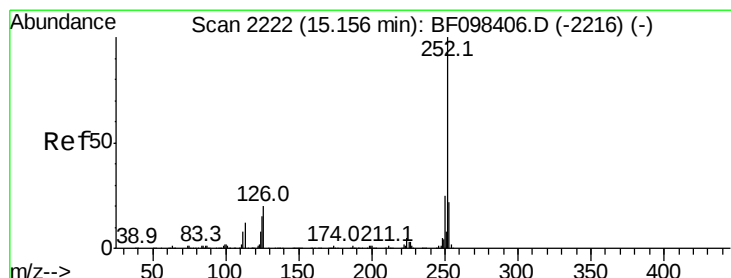
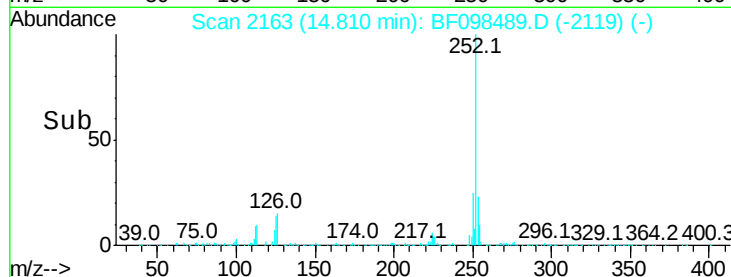
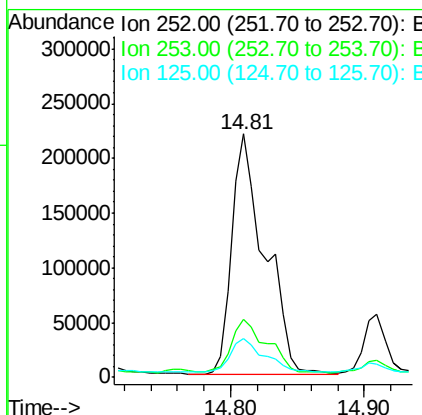
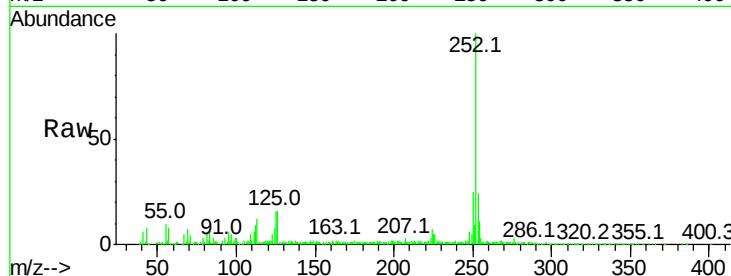




#88
Benzo(k)fluoranthene
Concen: 20.645 ng
RT: 14.81 min Scan# 2163
Delta R.T. -0.04 min
Lab File: BF098489.D
Acq: 13 Sep 2017 14:51

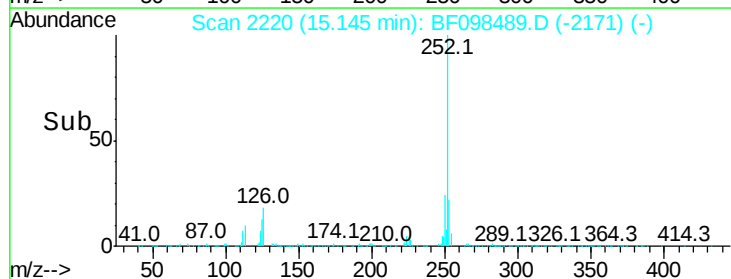
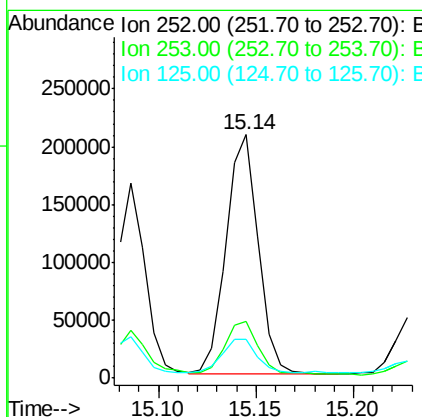
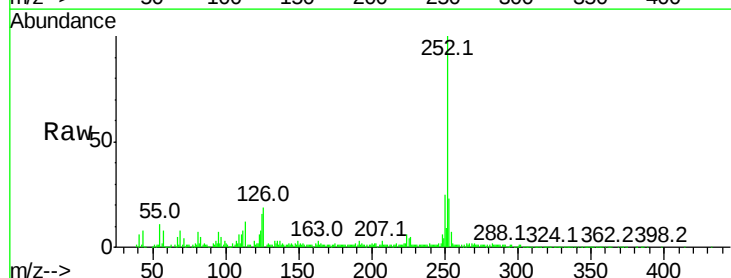
Instrument :
BNA_F
ClientSampleId :

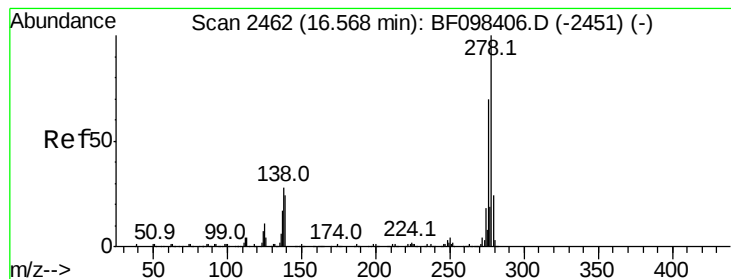
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.9	18.4	27.6
125	16.0	13.1	19.7



#89
Benzo(a)pyrene
Concen: 13.561 ng
RT: 15.14 min Scan# 2220
Delta R.T. -0.01 min
Lab File: BF098489.D
Acq: 13 Sep 2017 14:51

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.5	26.3
125	15.7	11.0	16.4





#90

Dibenzo(a,h)anthracene

Concen: 2.696 ng

RT: 16.54 min Scan# 2457

Delta R.T. -0.03 min

Lab File: BF098489.D

Acq: 13 Sep 2017 14:51

Instrument :

BNA_F

ClientSampleId :

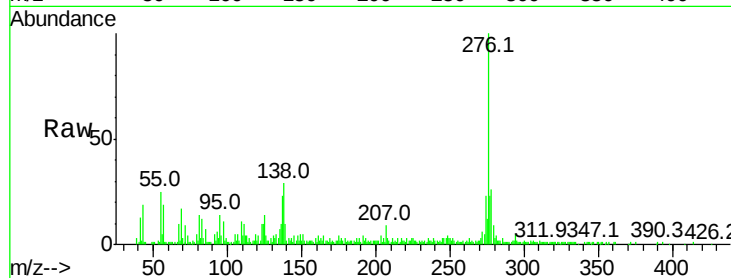
Tot Ion:278 Resp: 34327

Ion Ratio Lower Upper

278 100

139 38.4 16.6 24.8#

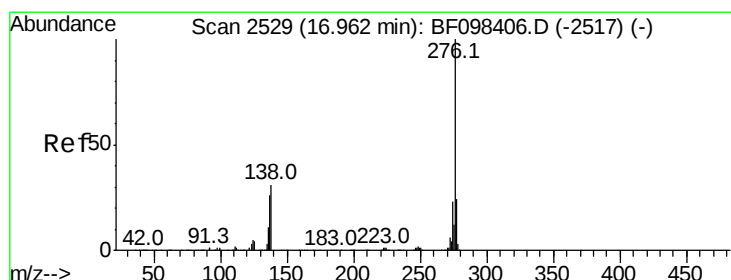
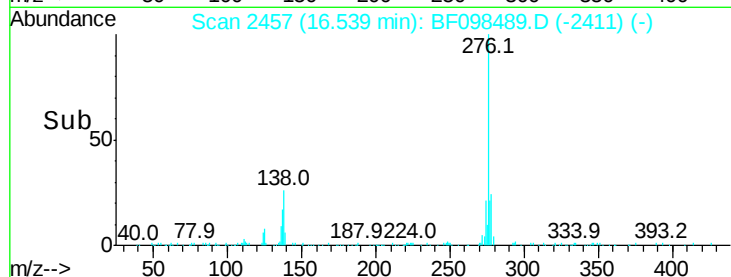
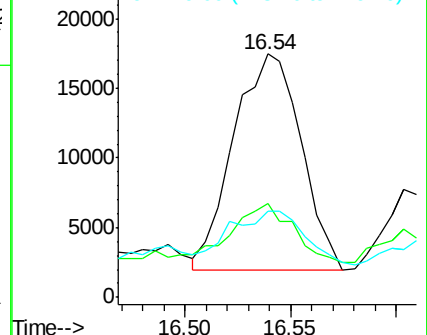
279 35.2 19.3 28.9#



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#91

Benzo(g,h,i)perylene

Concen: 9.475 ng

RT: 16.94 min Scan# 2525

Delta R.T. -0.02 min

Lab File: BF098489.D

Acq: 13 Sep 2017 14:51

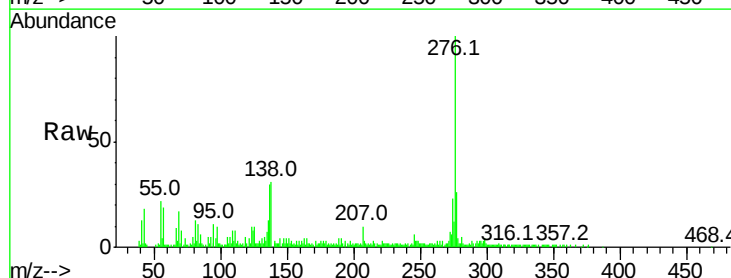
Tgt Ion:276 Resp: 121327

Ion Ratio Lower Upper

276 100

277 25.5 18.6 28.0

138 30.5 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

