

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF061518\
 Data File : BF106490.D
 Acq On : 15 Jun 2018 14:34
 Operator : JU/SJ
 Sample : J3498-15RE
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-D-S

Quant Time: Jun 15 22:57:09 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061118.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 15 11:11:47 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	125801	20.00	ng	0.00
21) Naphthalene-d8	8.25	136	468298	20.00	ng	0.00
38) Acenaphthene-d10	10.01	164	215890	20.00	ng	0.00
63) Phenanthrene-d10	11.49	188	378230	20.00	ng	0.00
75) Chrysene-d12	14.15	240	303447	20.00	ng	0.00
86) Perylene-d12	15.70	264	323366	20.00	ng	0.02

System Monitoring Compounds

5) 2-Fluorophenol	5.61	112	700051	94.18	ng	0.00
7) Phenol-d6	6.61	99	850788	90.60	ng	0.00
23) Nitrobenzene-d5	7.52	82	568438	71.41	ng	0.00
41) 2,4,6-Tribromophenol	10.80	330	221008	106.40	ng	0.00
44) 2-Fluorobiphenyl	9.32	172	958226	76.24	ng	0.00
78) Terphenyl-d14	13.08	244	822621	67.33	ng	0.00

Target Compounds

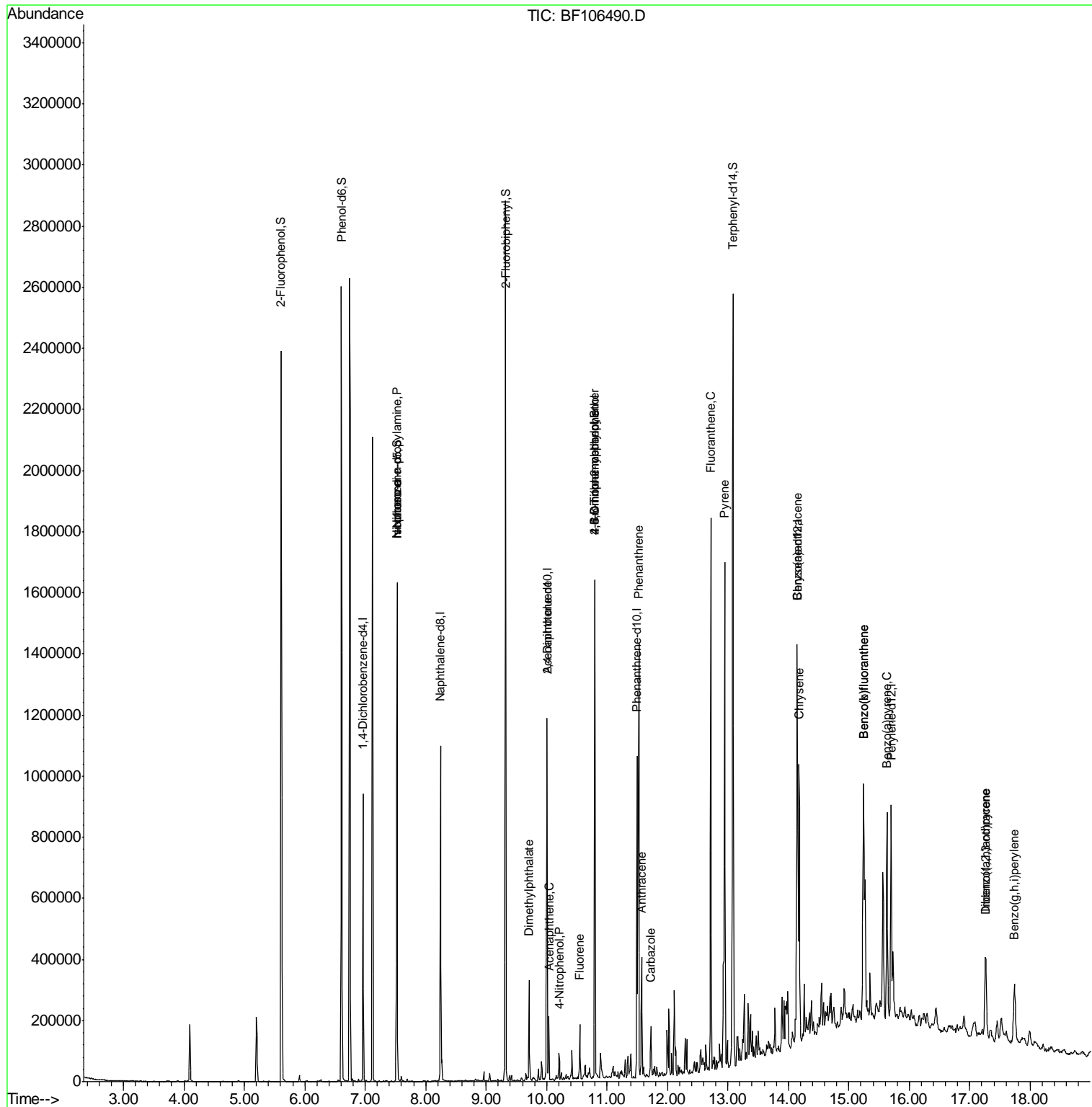
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.52	70	76300	10.830	ng	# 76
25) Isophorone	7.52	82	568430	36.559	ng	# 64
49) Dimethylphthalate	9.71	163	123364	7.998	ng	98
51) Acenaphthene	10.04	154	39044	2.952	ng	99
55) 4-Nitrophenol	10.21	139	10518	3.670	ng	# 11
56) 2,4-Dinitrotoluene	10.01	165	28496	7.202	ng	# 23
57) Fluorene	10.55	166	43013	3.048	ng	99
64) 4,6-Dinitro-2-methylphenol	10.80	198	478	6.498	ng	# 1
66) 4-Bromophenyl-phenylether	10.80	248	14793	3.439	ng	# 1
70) Phenanthrene	11.52	178	523821	28.279	ng	98
71) Anthracene	11.57	178	132185	7.123	ng	98
72) Carbazole	11.72	167	54924	3.206	ng	99
74) Fluoranthene	12.72	202	746844	37.807	ng	96
77) Pyrene	12.95	202	660205	34.752	ng	99
80) Benzo(a)anthracene	14.14	228	417532	23.122	ng	98
82) Chrysene	14.18	228	359440	21.801	ng	97
85) Indeno(1,2,3-cd)pyrene	17.26	276	184092	13.991	ng	# 89
87) Benzo(b)fluoranthene	15.24	252	664914	34.016	ng	96
88) Benzo(k)fluoranthene	15.24	252	664914	34.347	ng	97
89) Benzo(a)pyrene	15.63	252	345426	19.647	ng	96
90) Dibenzo(a,h)anthracene	17.27	278	47480	3.239	ng	# 93
91) Benzo(g,h,i)perylene	17.74	276	168906	11.857	ng	# 91

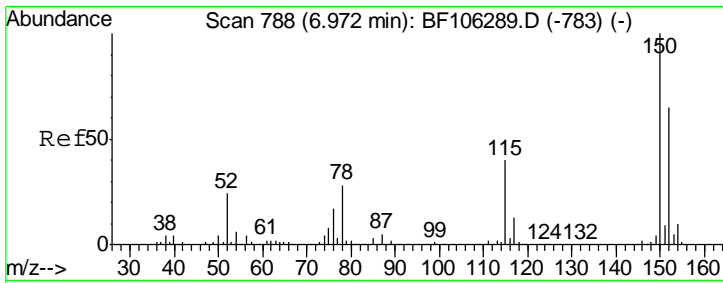
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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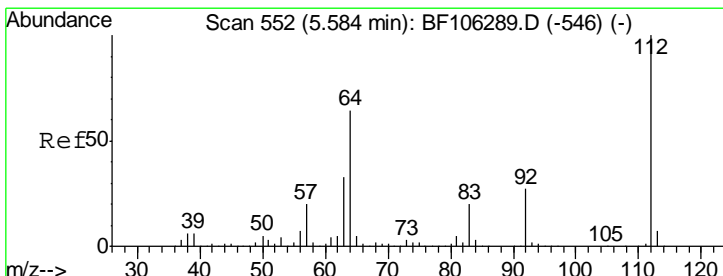
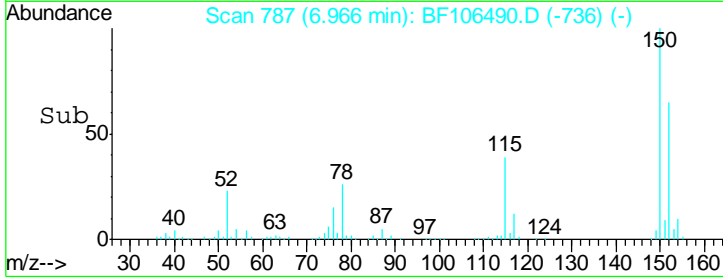
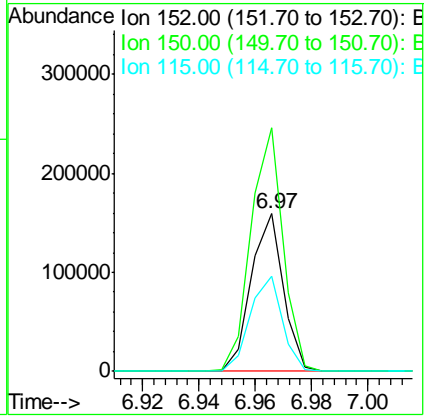
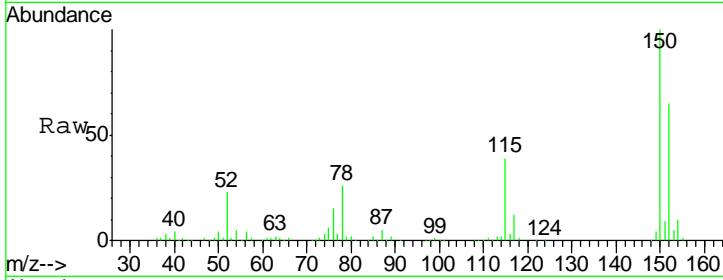




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.97 min Scan# 787
 Delta R.T. 0.00 min
 Lab File: BF106490.D
 Acq: 15 Jun 2018 14:34

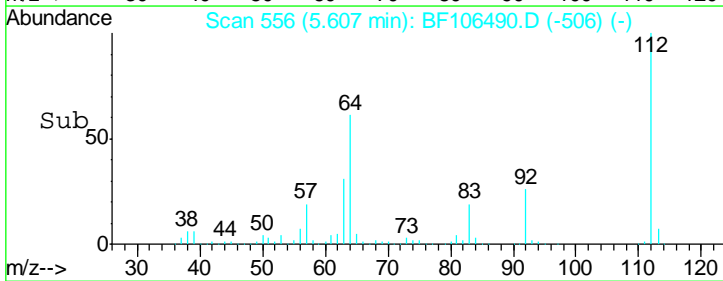
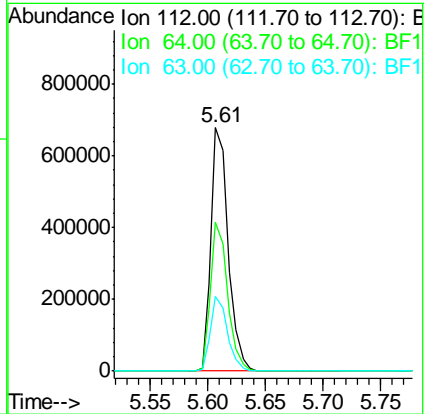
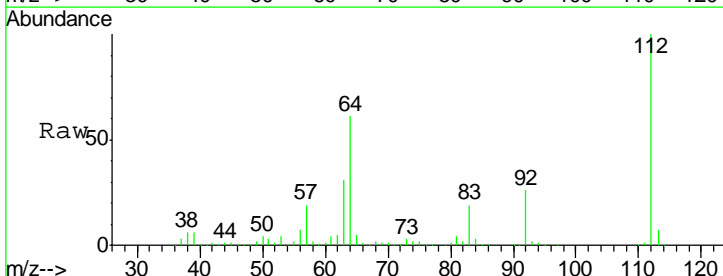
Instrument :
 BNA_F
ClientSampled :
 TP-D-S

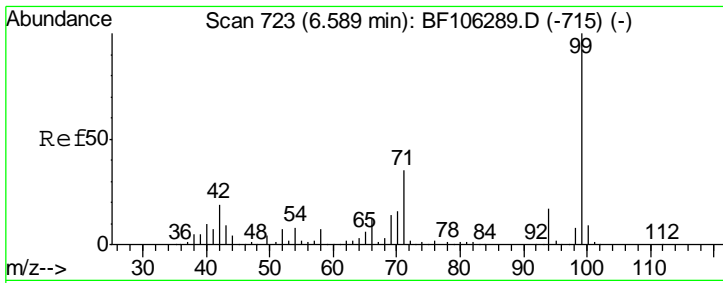
Tgt Ion	Resp	Lower	Upper
152	125801		
150	154.5	124.6	186.8
115	60.1	50.1	75.1



#5
 2-Fluorophenol
 Concen: 94.183 ng
 RT: 5.61 min Scan# 556
 Delta R.T. -0.01 min
 Lab File: BF106490.D
 Acq: 15 Jun 2018 14:34

Tgt Ion	Resp	Lower	Upper
112	700051		
64	61.2	47.9	71.9
63	30.9	23.7	35.5

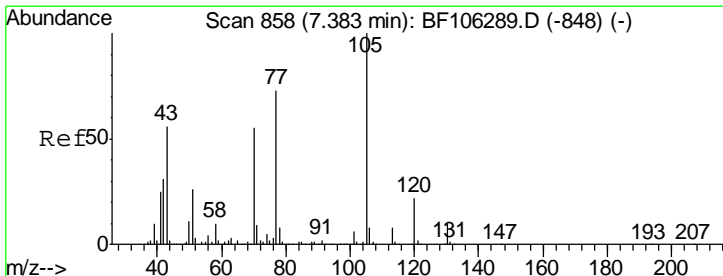
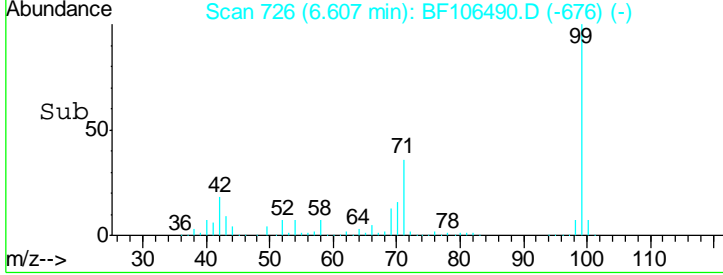
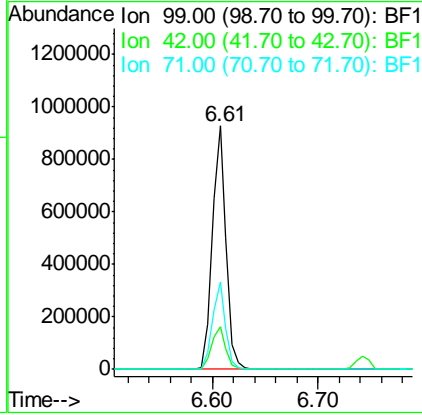
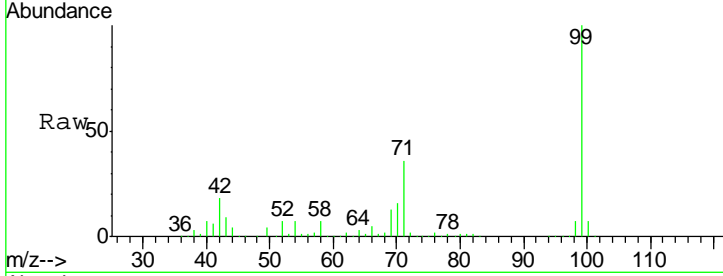




#7
 Phenol-d6
 Concen: 90.599 ng
 RT: 6.61 min Scan# 726
 Delta R.T. -0.01 min
 Lab File: BF106490.D
 Acq: 15 Jun 2018 14:34

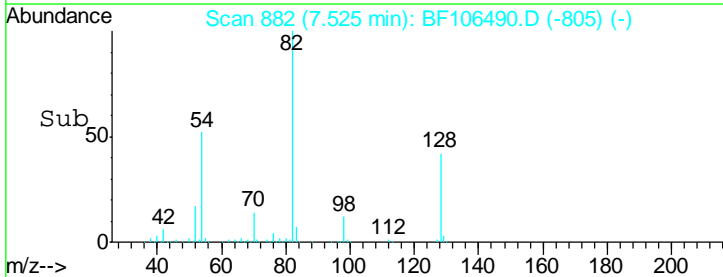
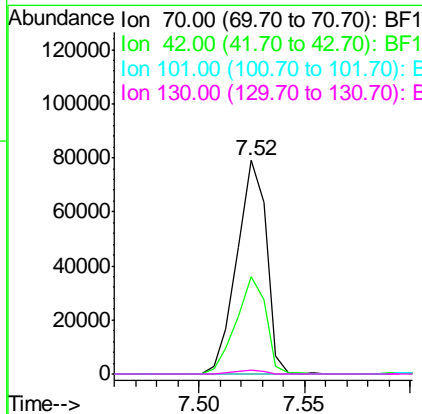
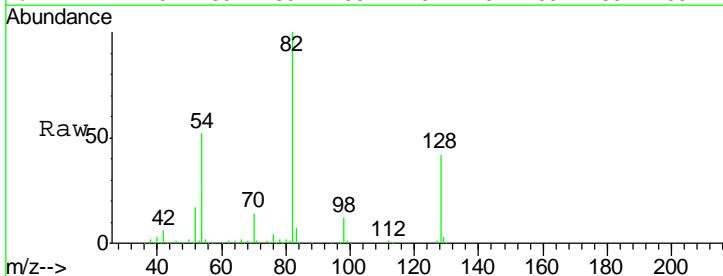
Instrument :
 BNA_F
ClientSampled :
 TP-D-S

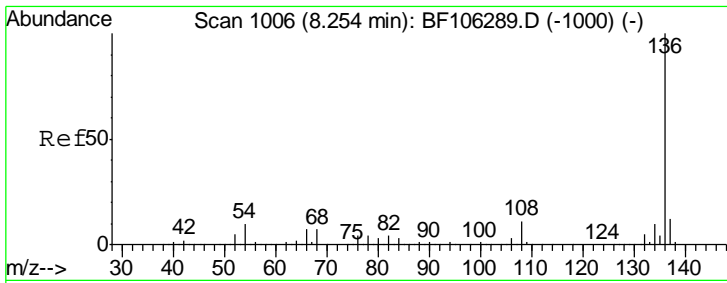
Tgt Ion	Resp	Lower	Upper
99	100		
42	17.6	14.5	21.7
71	35.8	25.4	38.0



#19
 n-Nitroso-di-n-propylamine
 Concen: 10.830 ng
 RT: 7.52 min Scan# 882
 Delta R.T. 0.15 min
 Lab File: BF106490.D
 Acq: 15 Jun 2018 14:34

Tgt Ion	Resp	Lower	Upper
70	100		
42	45.6	47.5	71.3#
101	0.0	7.4	11.2#
130	1.8	16.6	25.0#



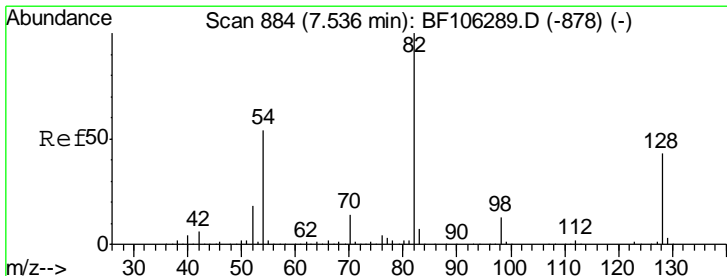
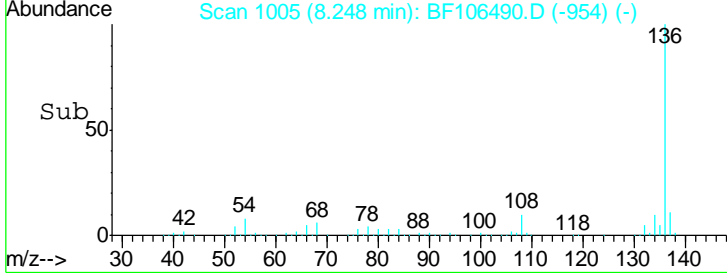
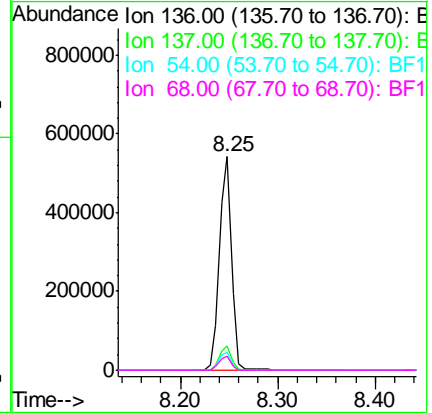
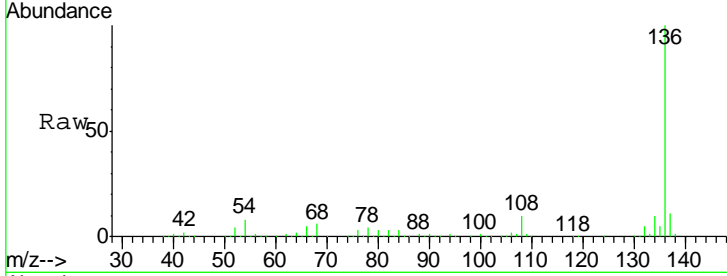


#21
 Naphthalene-d8
 Concen: 20.000 ng
 RT: 8.25 min Scan# 1005
 Delta R.T. 0.00 min
 Lab File: BF106490.D
 Acq: 15 Jun 2018 14:34

Instrument :
 BNA_F
ClientSampled :
 TP-D-S

Tgt Ion: 136 Resp: 468298

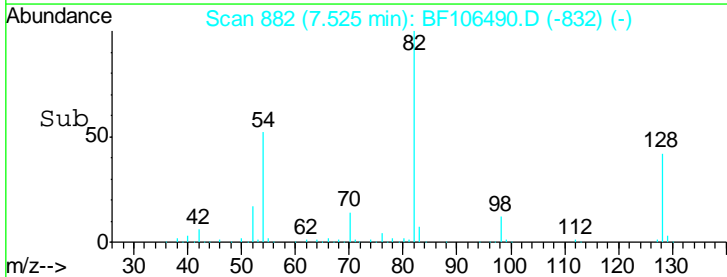
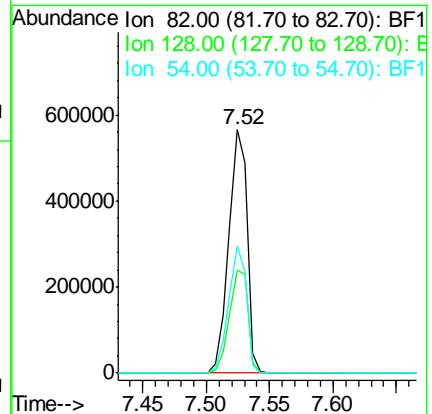
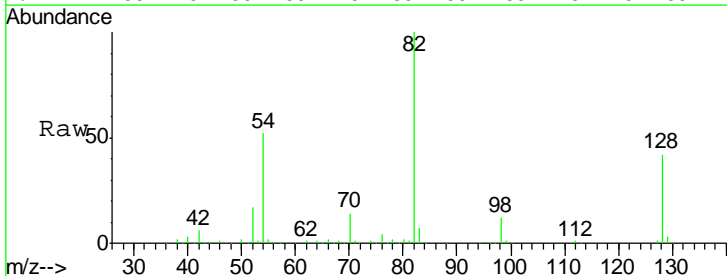
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.9	13.3
54	8.2	6.6	9.8
68	6.4	5.0	7.4

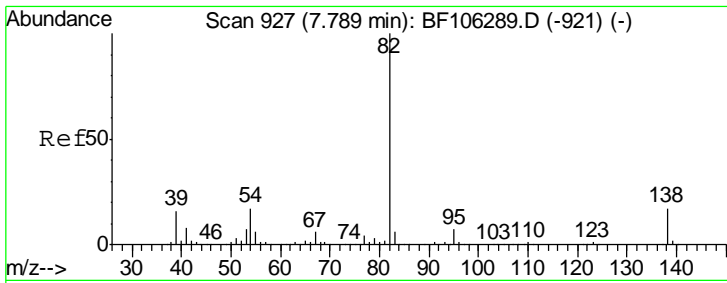


#23
 Nitrobenzene-d5
 Concen: 71.408 ng
 RT: 7.52 min Scan# 882
 Delta R.T. -0.01 min
 Lab File: BF106490.D
 Acq: 15 Jun 2018 14:34

Tgt Ion: 82 Resp: 568438

Ion	Ratio	Lower	Upper
82	100		
128	42.2	36.1	54.1
54	52.2	41.4	62.2

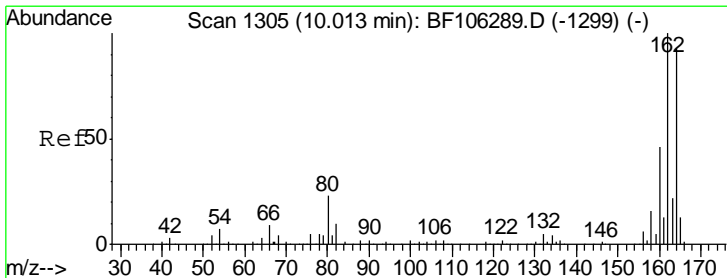
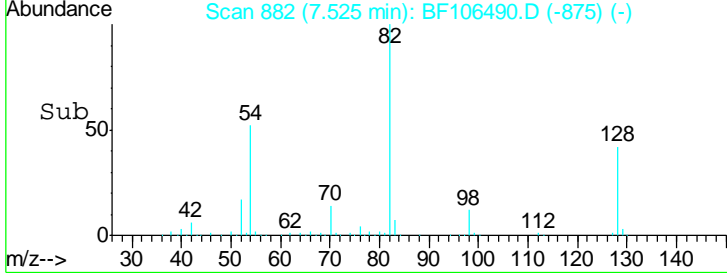
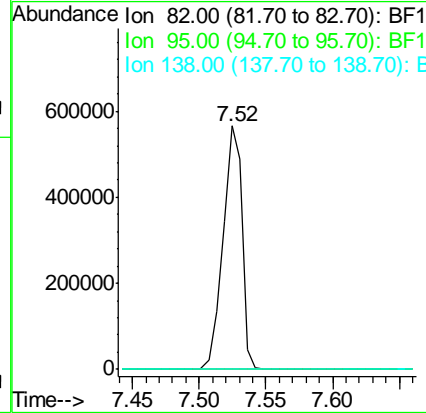
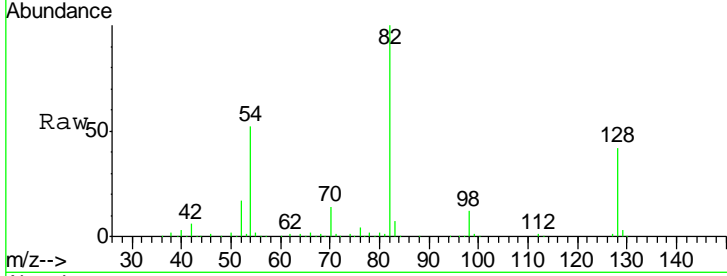




#25
 Isophorone
 Concen: 36.559 ng
 RT: 7.52 min Scan# 882
 Delta R.T. -0.26 min
 Lab File: BF106490.D
 Acq: 15 Jun 2018 14:34

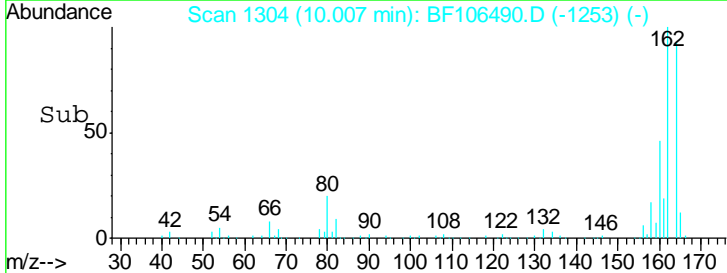
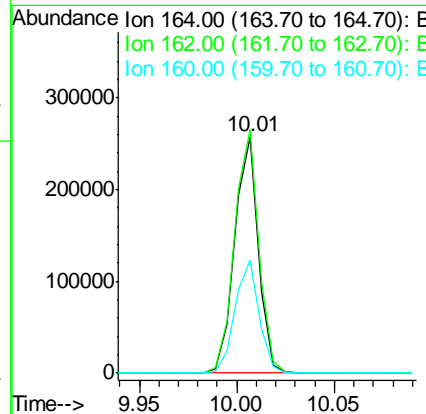
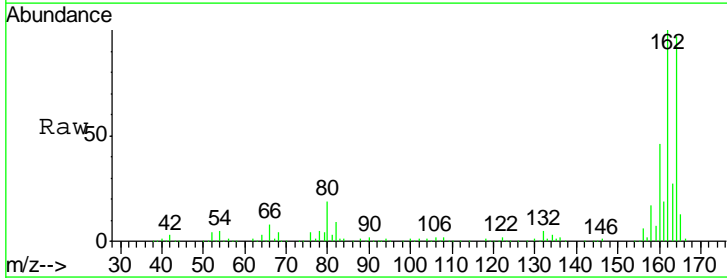
Instrument :
 BNA_F
 ClientSampled :
 TP-D-S

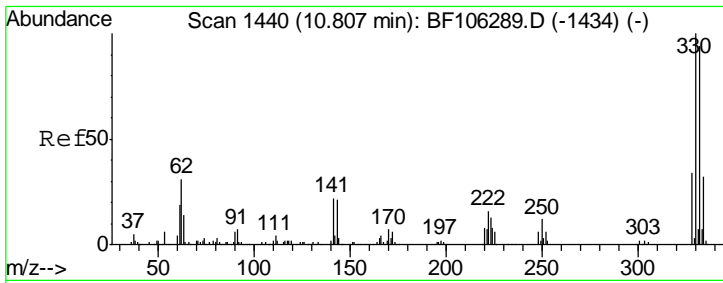
Tgt Ion	Resp	Lower	Upper
82	100		
95	0.0	5.2	7.8#
138	0.0	14.9	22.3#



#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 10.01 min Scan# 1304
 Delta R.T. 0.00 min
 Lab File: BF106490.D
 Acq: 15 Jun 2018 14:34

Tgt Ion	Resp	Lower	Upper
164	100		
162	103.1	86.1	129.1
160	47.6	38.3	57.5

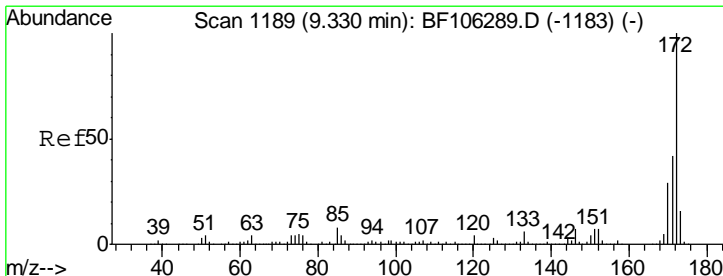
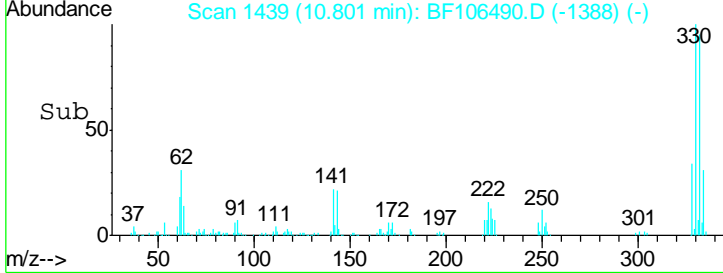
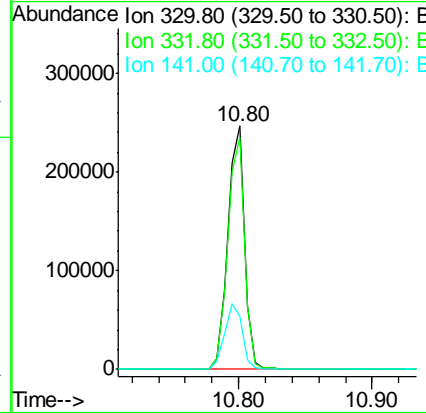
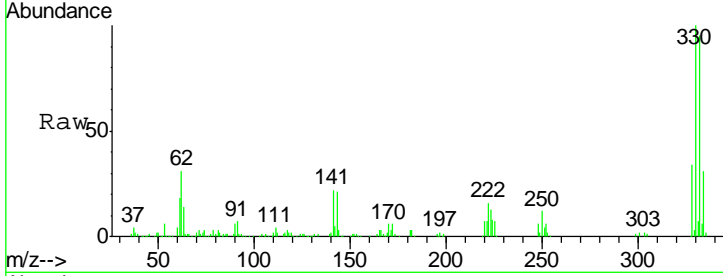




#41
 2,4,6-Tribromophenol
 Concen: 106.395 ng
 RT: 10.80 min Scan# 1439
 Delta R.T. 0.00 min
 Lab File: BF106490.D
 Acq: 15 Jun 2018 14:34

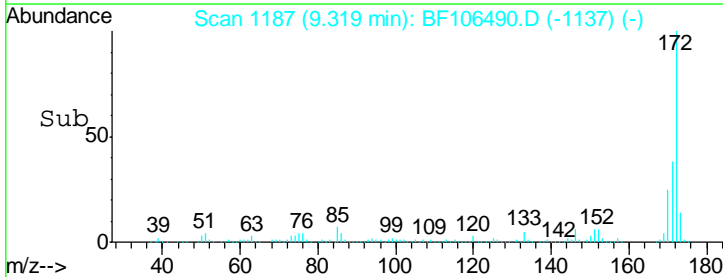
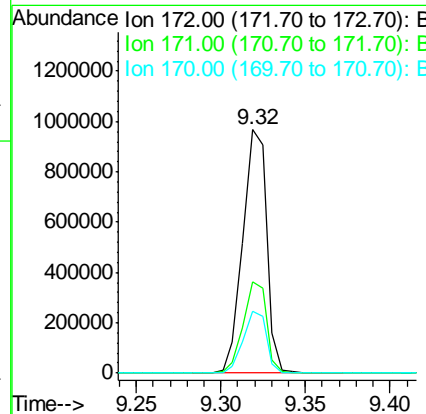
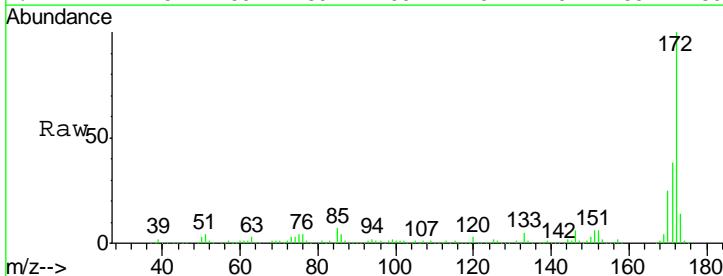
Instrument :
 BNA_F
 ClientSampled :
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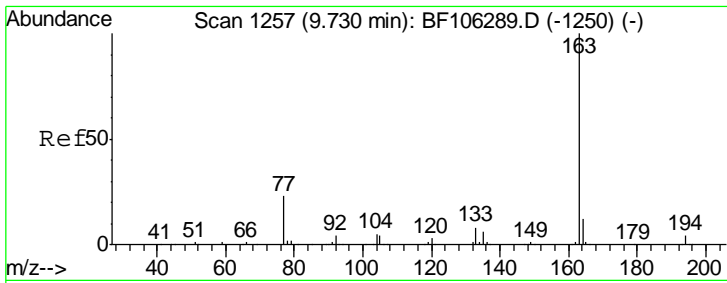
Tgt Ion	Resp	Lower	Upper
330	100		
332	95.9	77.0	115.6
141	28.8	29.9	44.9#



#44
 2-Fluorobiphenyl
 Concen: 76.245 ng
 RT: 9.32 min Scan# 1187
 Delta R.T. -0.01 min
 Lab File: BF106490.D
 Acq: 15 Jun 2018 14:34

Tgt Ion	Resp	Lower	Upper
172	100		
171	37.7	29.7	44.5
170	25.3	19.6	29.4

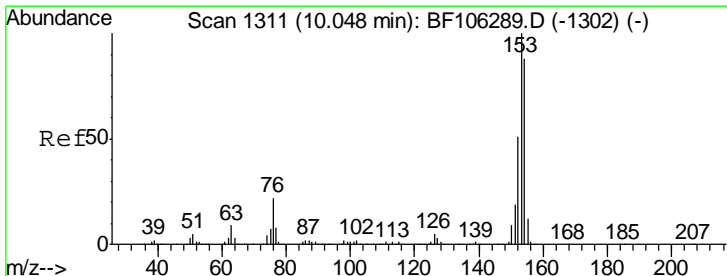
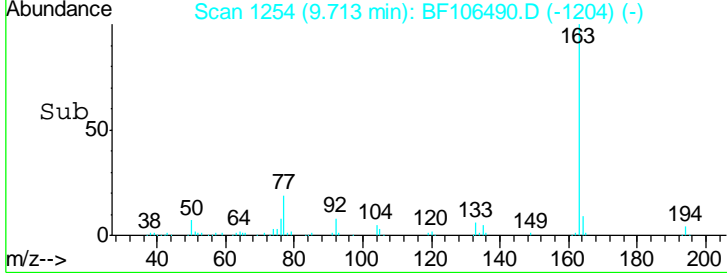
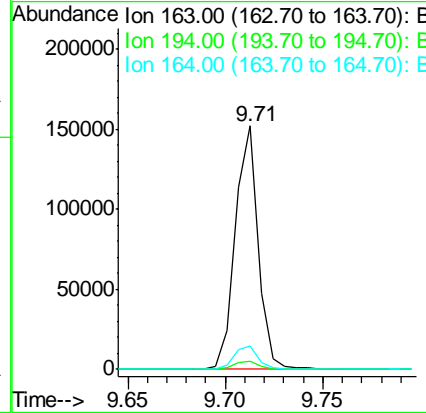
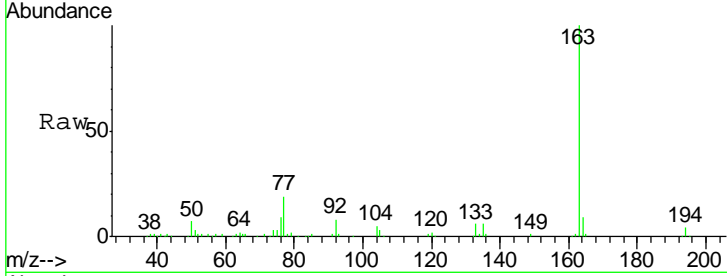




#49
 Dimethylphthalate
 Concen: 7.998 ng
 RT: 9.71 min Scan# 1254
 Delta R.T. -0.01 min
 Lab File: BF106490.D
 Acq: 15 Jun 2018 14:34

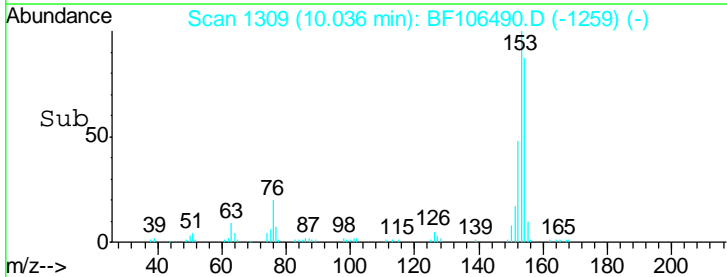
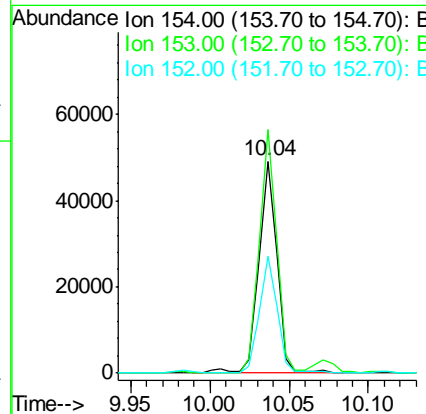
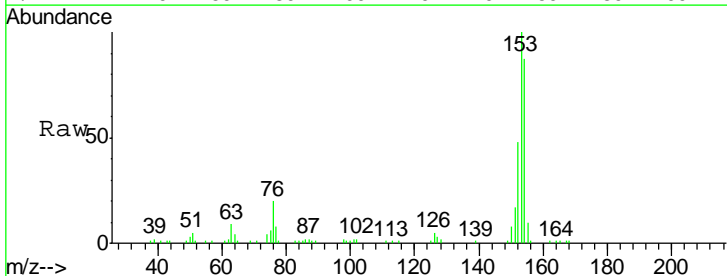
Instrument :
 BNA_F
 ClientSampled :
 TP-D-S

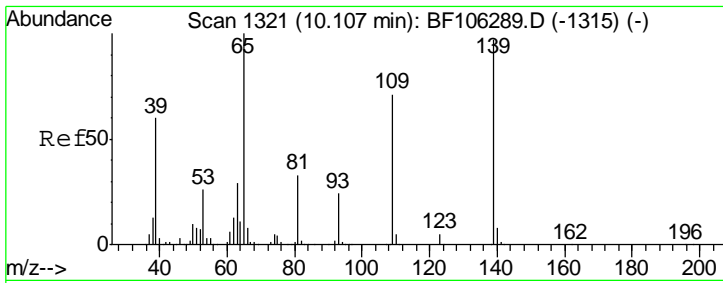
Tgt Ion	Resp	Lower	Upper
163	123364		
194	3.6	2.7	4.1
164	9.5	8.2	12.2



#51
 Acenaphthene
 Concen: 2.952 ng
 RT: 10.04 min Scan# 1309
 Delta R.T. -0.01 min
 Lab File: BF106490.D
 Acq: 15 Jun 2018 14:34

Tgt Ion	Resp	Lower	Upper
154	39044		
153	115.0	91.2	136.8
152	55.3	43.8	65.8

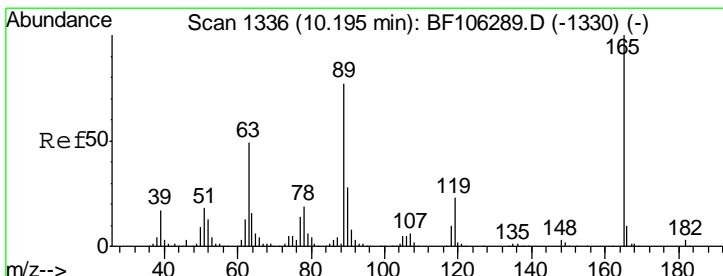
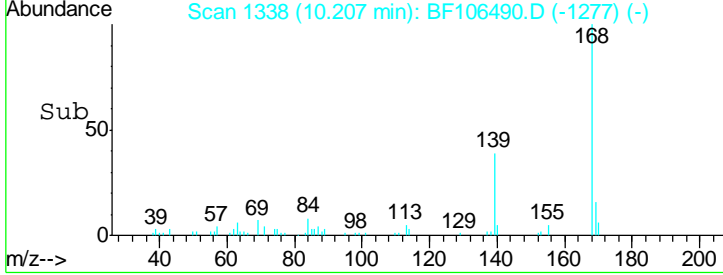
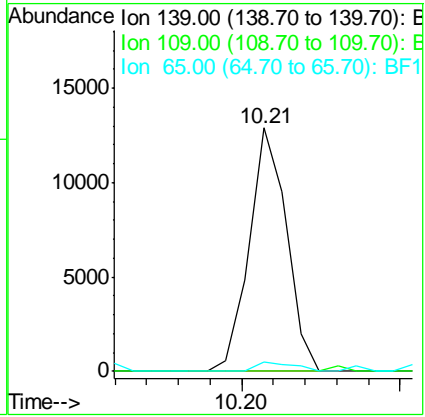
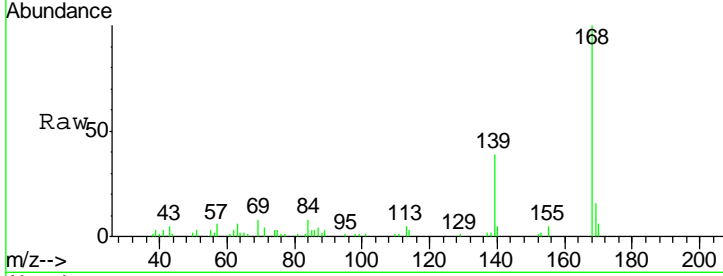




#55
 4-Nitrophenol
 Concen: 3.670 ng
 RT: 10.21 min Scan# 1338
 Delta R.T. 0.06 min
 Lab File: BF106490.D
 Acq: 15 Jun 2018 14:34

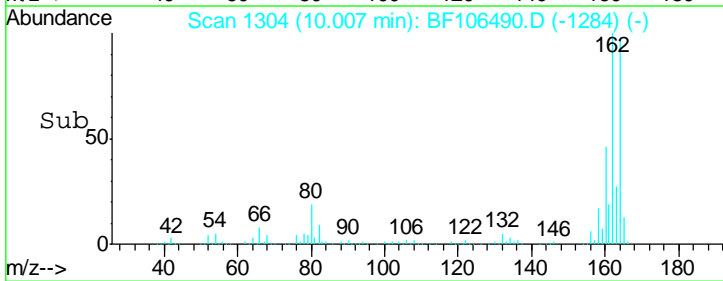
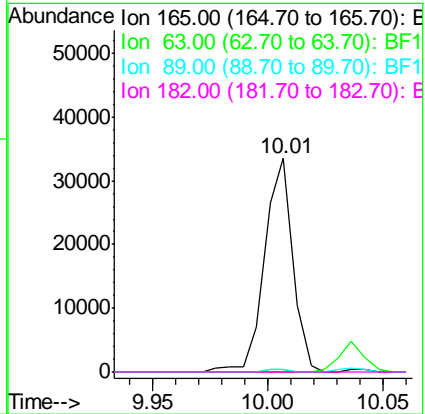
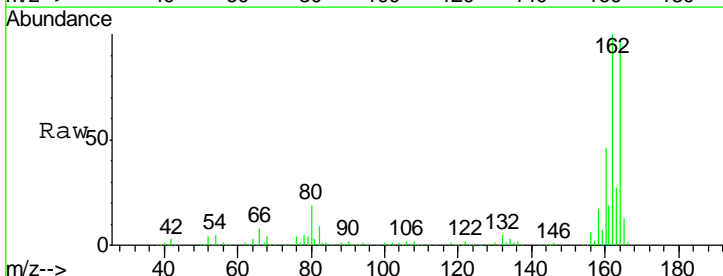
Instrument :
 BNA_F
 ClientSampled :
 TP-D-S

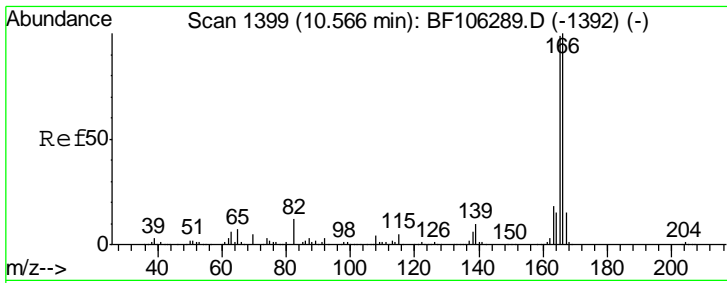
Tgt Ion	Resp	Lower	Upper
139	10518		
109	0.0	48.4	88.4#
65	4.1	72.6	112.6#



#56
 2,4-Dinitrotoluene
 Concen: 7.202 ng
 RT: 10.01 min Scan# 1304
 Delta R.T. -0.18 min
 Lab File: BF106490.D
 Acq: 15 Jun 2018 14:34

Tgt Ion	Resp	Lower	Upper
165	28496		
63	1.0	36.4	54.6#
89	1.4	57.8	86.6#
182	0.0	1.6	2.4#

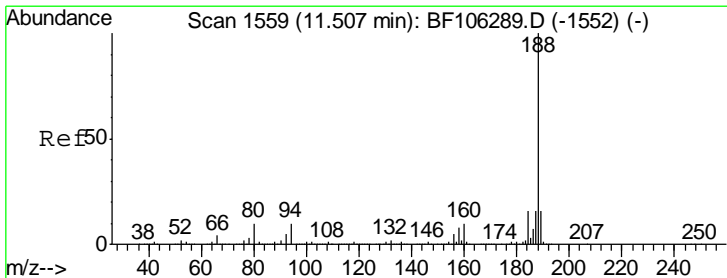
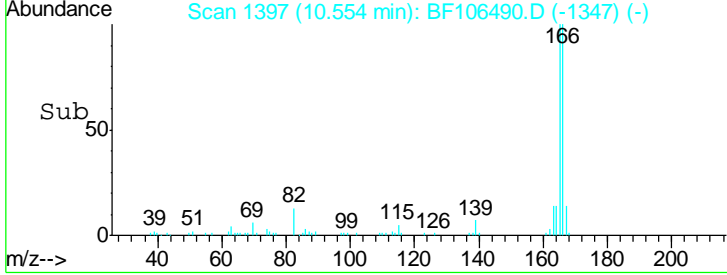
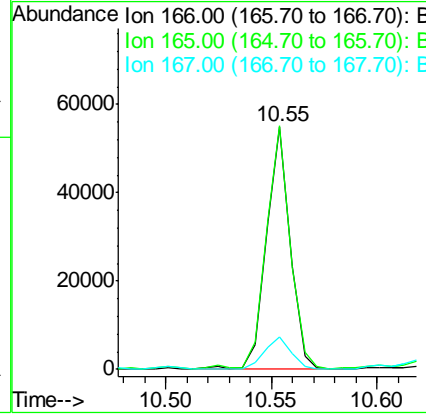
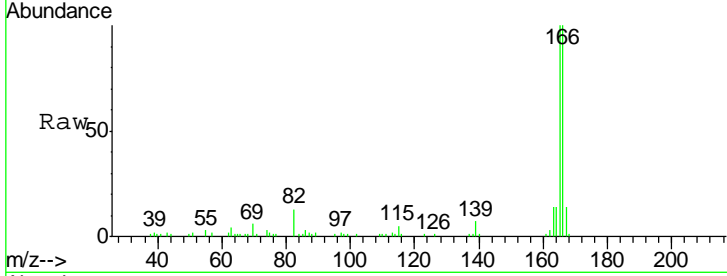




#57
 Fluorene
 Concen: 3.048 ng
 RT: 10.55 min Scan# 1397
 Delta R.T. -0.01 min
 Lab File: BF106490.D
 Acq: 15 Jun 2018 14:34

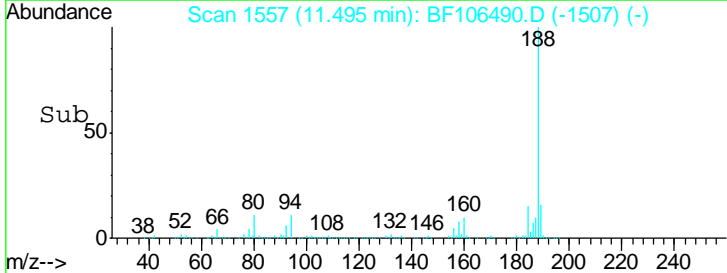
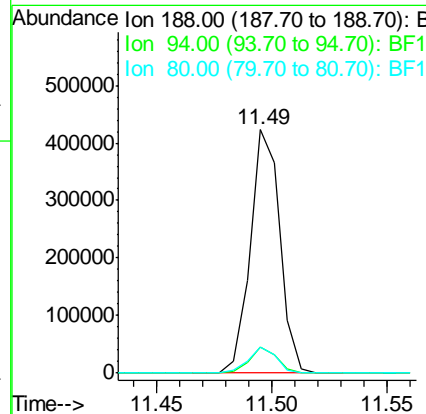
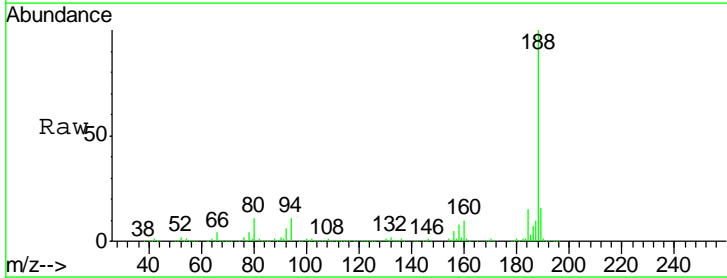
Instrument :
 BNA_F
 ClientSampled :
 TP-D-S

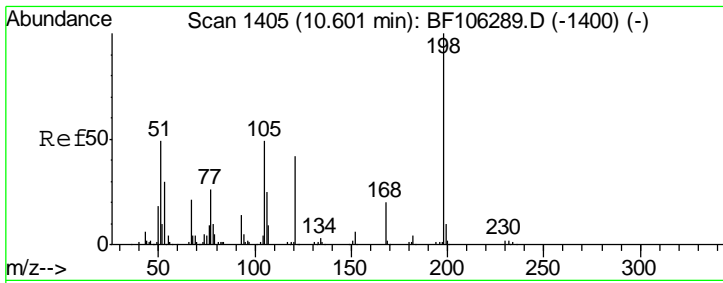
Tgt Ion	Resp	Lower	Upper
166	43013		
165	100.3	79.8	119.8
167	13.6	10.6	16.0



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.49 min Scan# 1557
 Delta R.T. -0.01 min
 Lab File: BF106490.D
 Acq: 15 Jun 2018 14:34

Tgt Ion	Resp	Lower	Upper
188	378230		
94	10.9	8.5	12.7
80	10.7	9.2	13.8

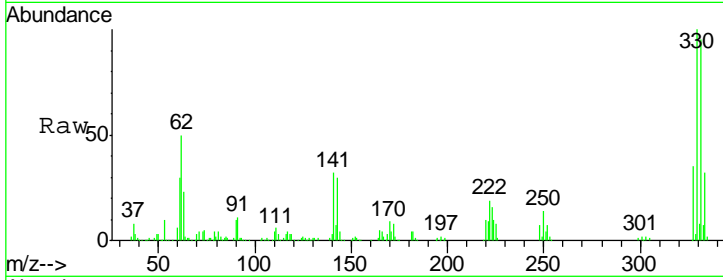




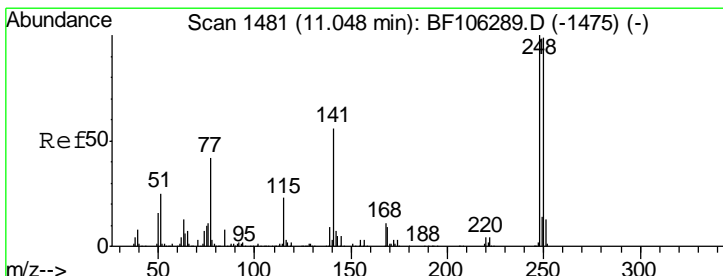
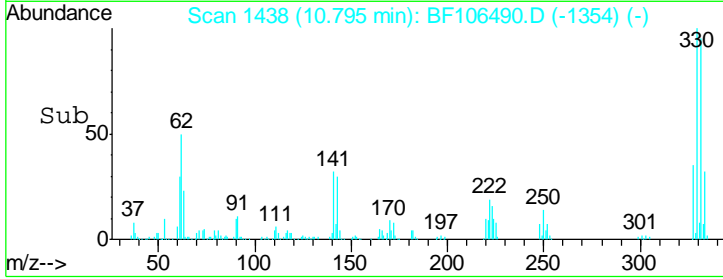
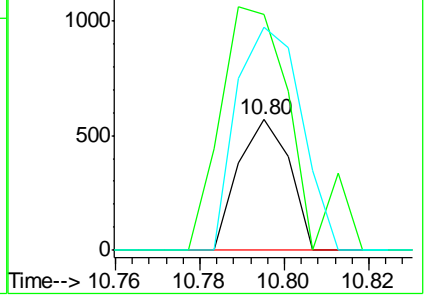
#64
 4,6-Dinitro-2-methylphenol
 Concen: 6.498 ng
 RT: 10.80 min Scan# 1438
 Delta R.T. 0.19 min
 Lab File: BF106490.D
 Acq: 15 Jun 2018 14:34

Instrument :
 BNA_F
 ClientSampled :
 TP-D-S

Tgt Ion	Resp	Lower	Upper
198	100		
51	180.7	37.7	77.7#
105	170.5	36.3	76.3#

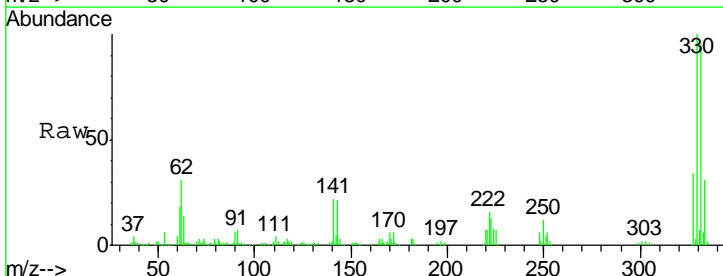


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

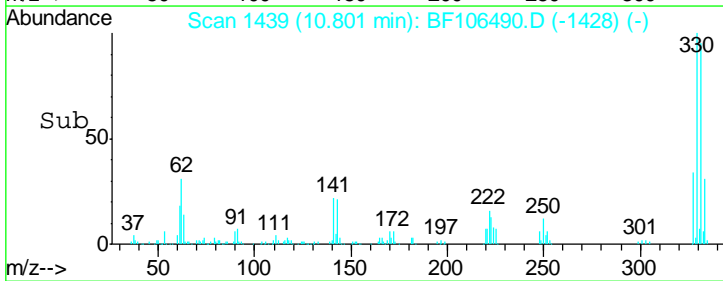
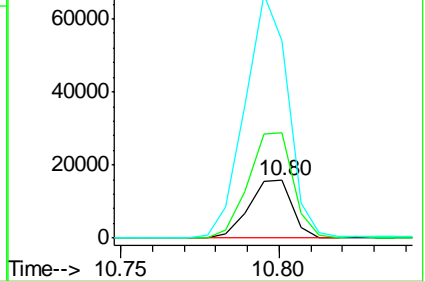


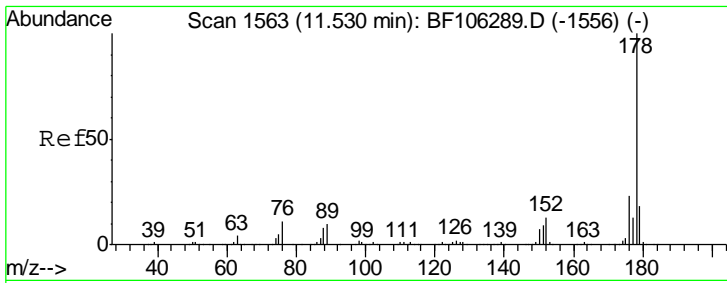
#66
 4-Bromophenyl-phenylether
 Concen: 3.439 ng
 RT: 10.80 min Scan# 1439
 Delta R.T. -0.24 min
 Lab File: BF106490.D
 Acq: 15 Jun 2018 14:34

Tgt Ion	Resp	Lower	Upper
248	100		
250	184.1	76.9	115.3#
141	343.7	74.4	111.6#



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

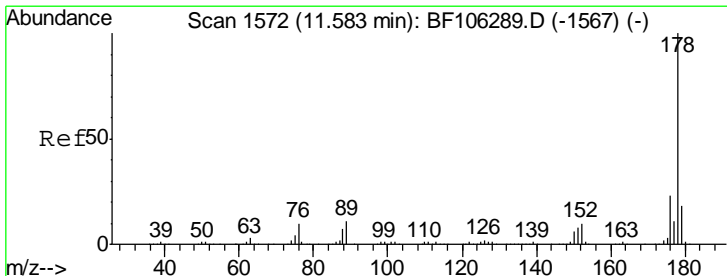
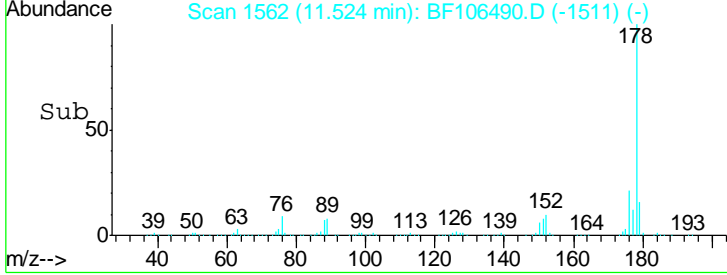
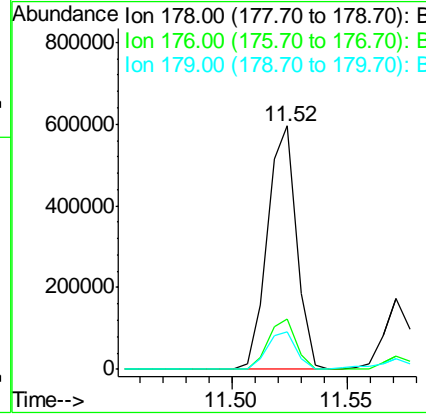
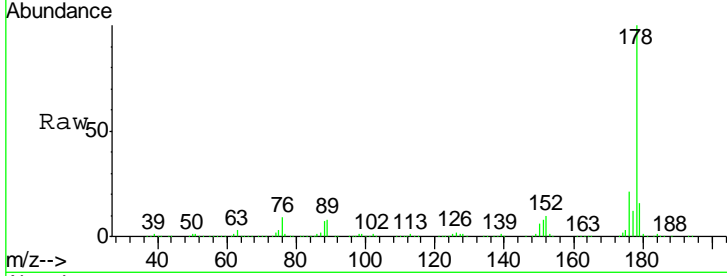




#70
 Phenanthrene
 Concen: 28.279 ng
 RT: 11.52 min Scan# 1562
 Delta R.T. 0.00 min
 Lab File: BF106490.D
 Acq: 15 Jun 2018 14:34

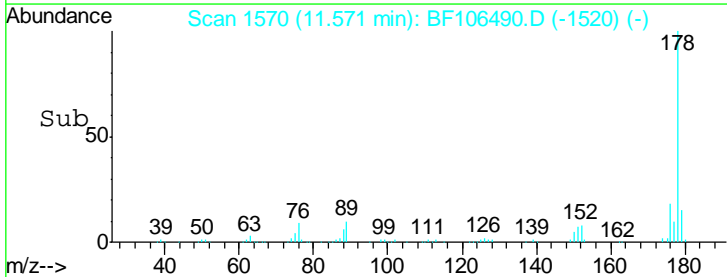
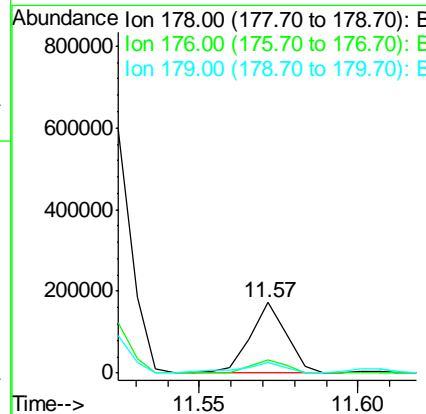
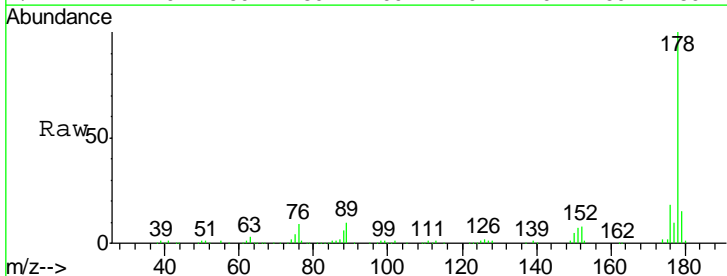
Instrument :
 BNA_F
 ClientSampled :
 TP-D-S

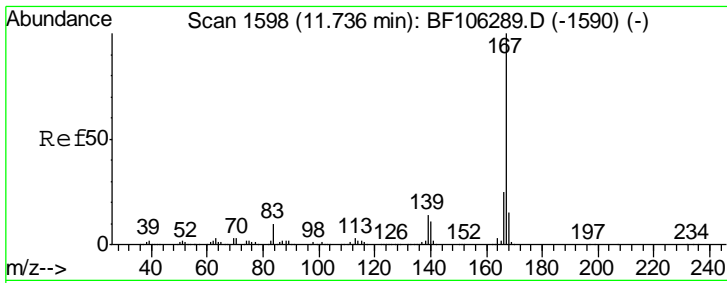
Tgt Ion	Resp	Lower	Upper
178	523821		
176	20.7	15.8	23.8
179	15.7	13.0	19.6



#71
 Anthracene
 Concen: 7.123 ng
 RT: 11.57 min Scan# 1570
 Delta R.T. -0.01 min
 Lab File: BF106490.D
 Acq: 15 Jun 2018 14:34

Tgt Ion	Resp	Lower	Upper
178	132185		
176	18.4	15.4	23.2
179	14.9	12.6	19.0

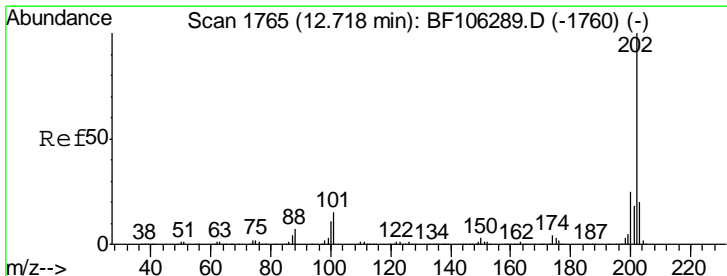
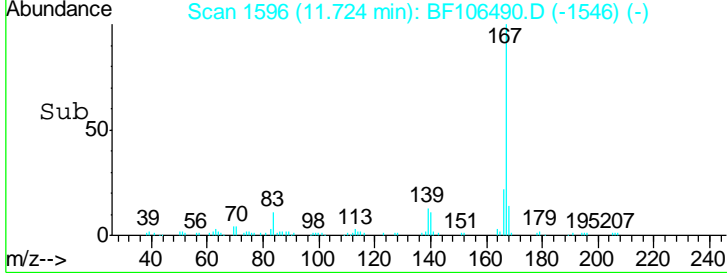
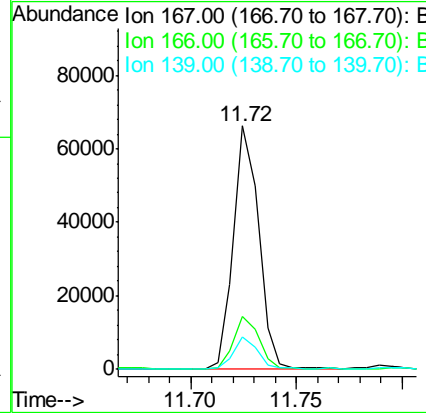
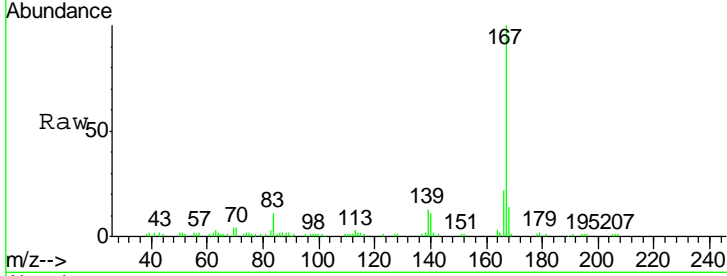




#72
 Carbazole
 Concen: 3.206 ng
 RT: 11.72 min Scan# 1596
 Delta R.T. -0.01 min
 Lab File: BF106490.D
 Acq: 15 Jun 2018 14:34

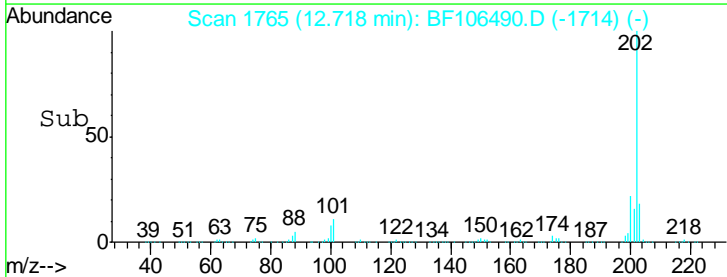
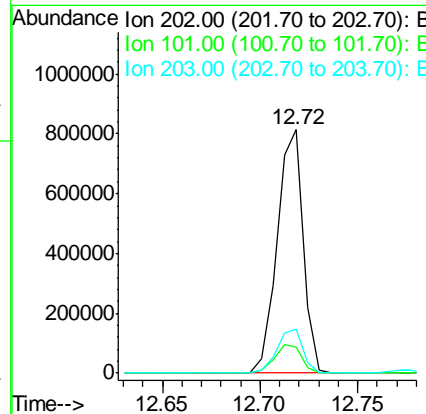
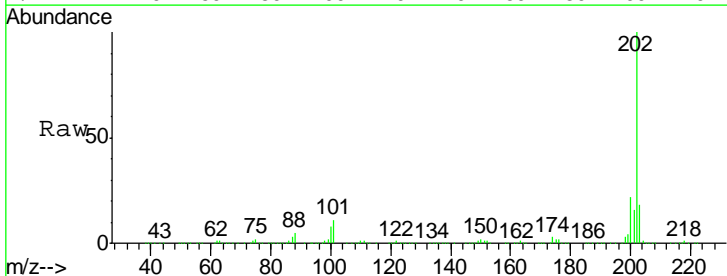
Instrument :
 BNA_F
 ClientSampled :
 TP-D-S

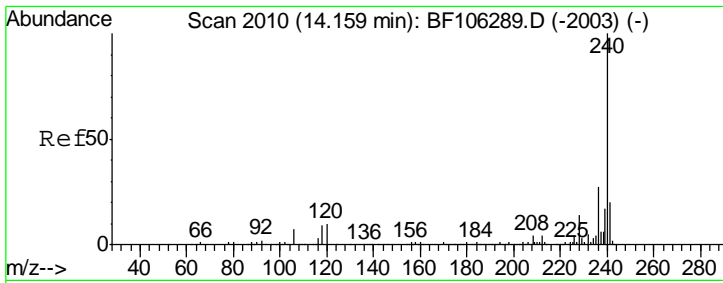
Tgt Ion	Resp	Lower	Upper
167	100		
166	21.7	17.6	26.4
139	13.2	10.9	16.3



#74
 Fluoranthene
 Concen: 37.807 ng
 RT: 12.72 min Scan# 1765
 Delta R.T. 0.00 min
 Lab File: BF106490.D
 Acq: 15 Jun 2018 14:34

Tgt Ion	Resp	Lower	Upper
202	100		
101	10.5	0.0	34.1
203	18.0	0.0	38.1

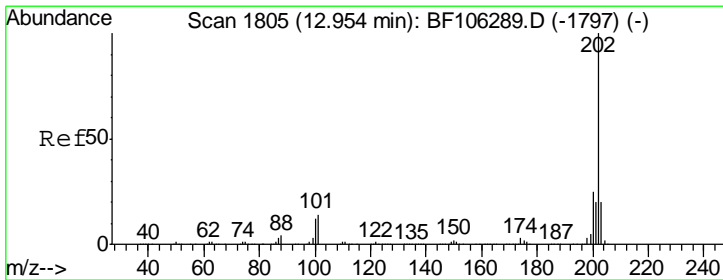
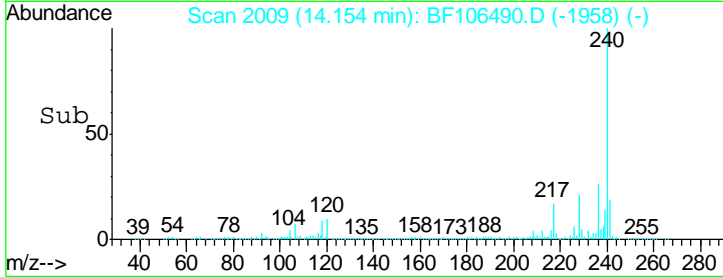
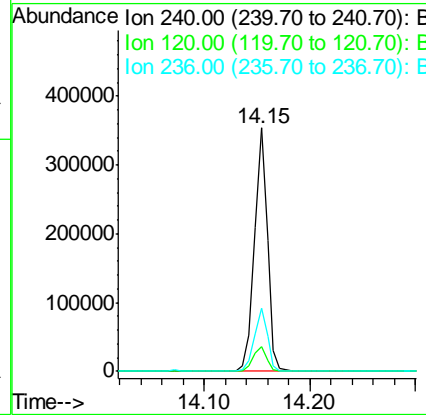
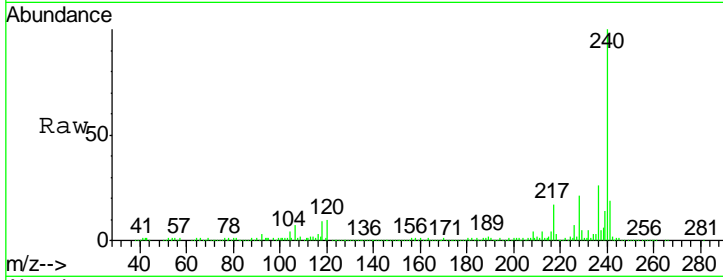




#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.15 min Scan# 2009
 Delta R.T. 0.00 min
 Lab File: BF106490.D
 Acq: 15 Jun 2018 14:34

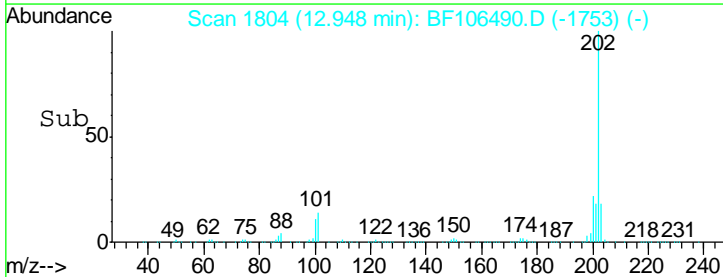
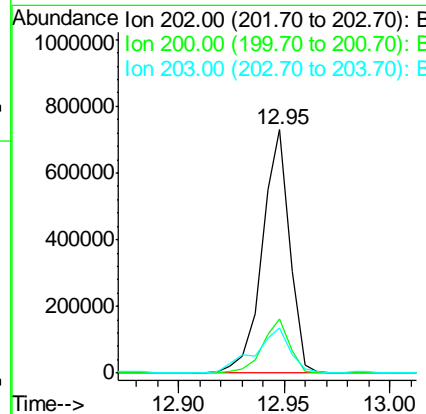
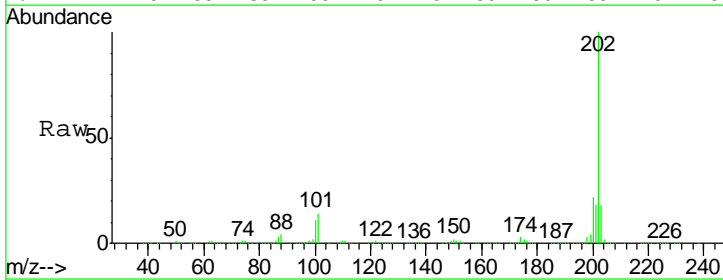
Instrument :
 BNA_F
 ClientSampleID :
 TP-D-S

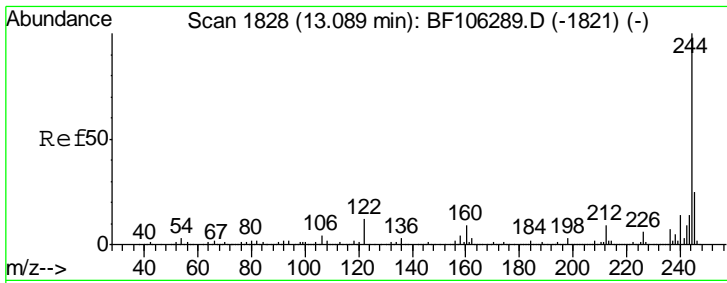
Tgt Ion	Resp	Lower	Upper
240	303447		
120	10.4	9.5	14.3
236	25.9	20.7	31.1



#77
 Pyrene
 Concen: 34.752 ng
 RT: 12.95 min Scan# 1804
 Delta R.T. 0.00 min
 Lab File: BF106490.D
 Acq: 15 Jun 2018 14:34

Tgt Ion	Resp	Lower	Upper
202	660205		
200	22.2	17.4	26.2
203	18.4	14.3	21.5

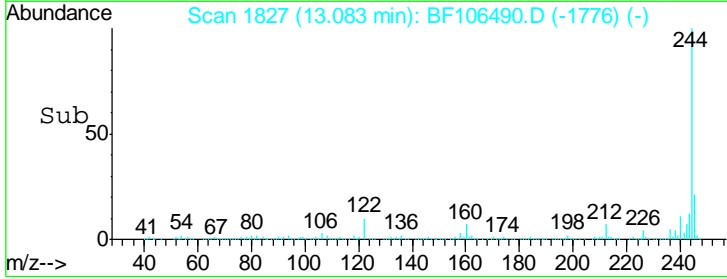
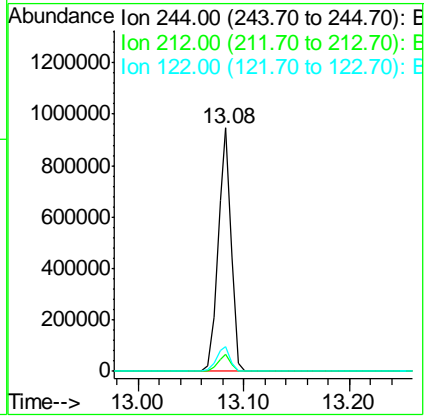
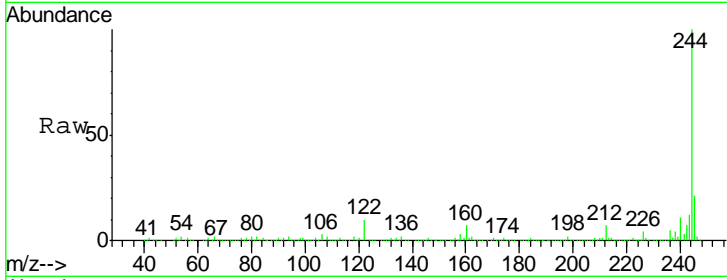




#78
 Terphenyl-d14
 Concen: 67.333 ng
 RT: 13.08 min Scan# 1827
 Delta R.T. 0.00 min
 Lab File: BF106490.D
 Acq: 15 Jun 2018 14:34

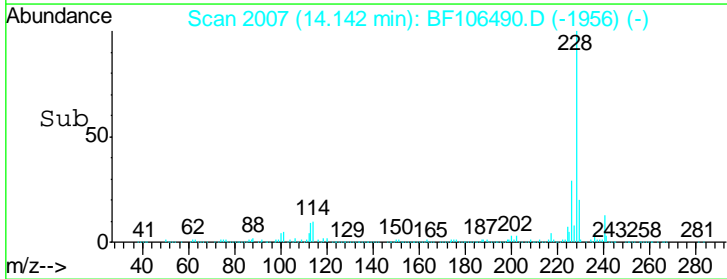
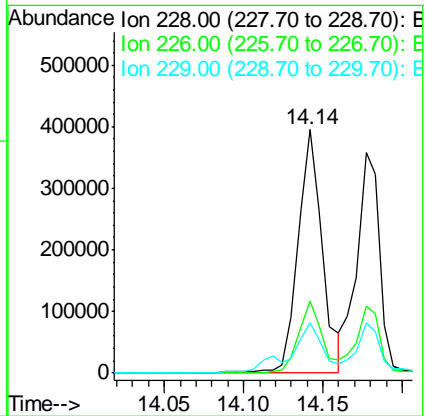
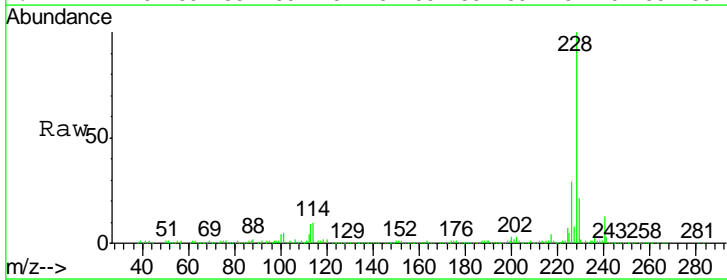
Instrument :
 BNA_F
 ClientSampled :
 TP-D-S

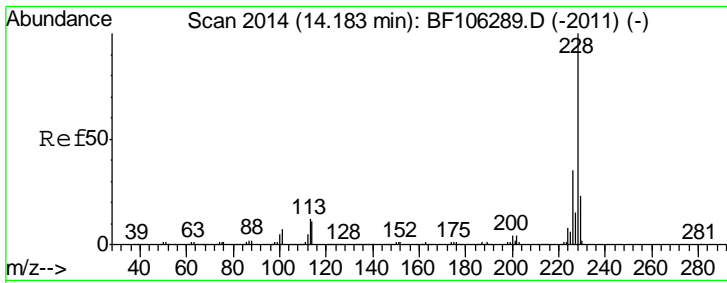
Tgt Ion	Resp	Lower	Upper
244	100		
212	7.0	5.4	8.0
122	10.2	11.0	16.4#



#80
 Benzo(a)anthracene
 Concen: 23.122 ng
 RT: 14.14 min Scan# 2007
 Delta R.T. 0.00 min
 Lab File: BF106490.D
 Acq: 15 Jun 2018 14:34

Tgt Ion	Resp	Lower	Upper
228	100		
226	29.4	22.6	33.8
229	20.9	15.8	23.6

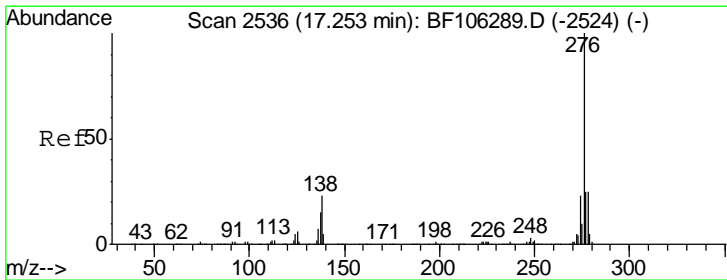
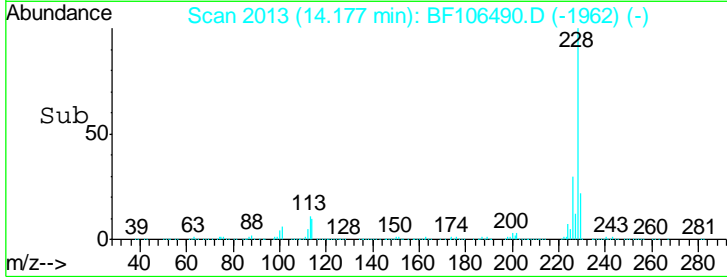
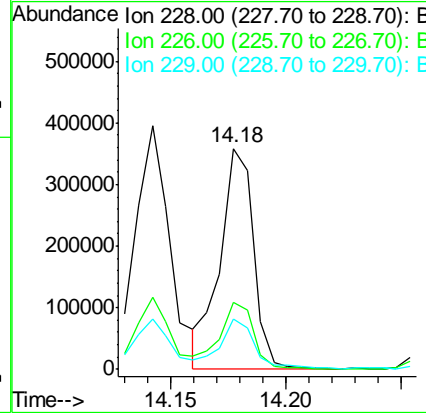
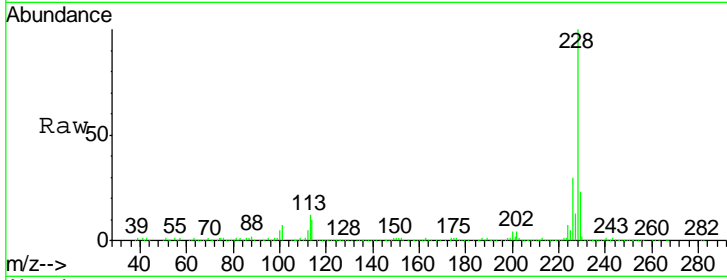




#82
 Chrysene
 Concen: 21.801 ng
 RT: 14.18 min Scan# 2013
 Delta R.T. 0.00 min
 Lab File: BF106490.D
 Acq: 15 Jun 2018 14:34

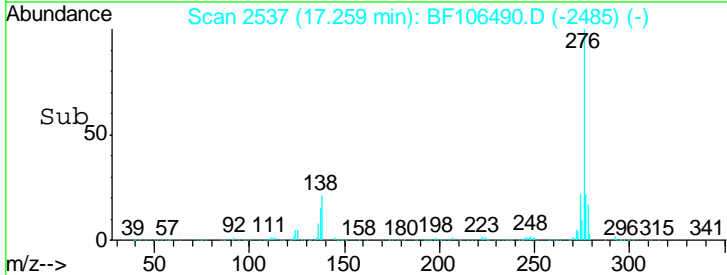
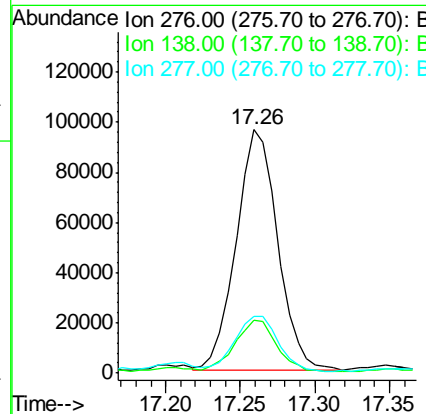
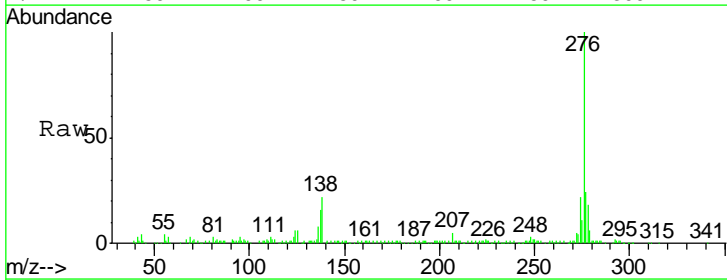
Instrument :
 BNA_F
 ClientSampled :
 TP-D-S

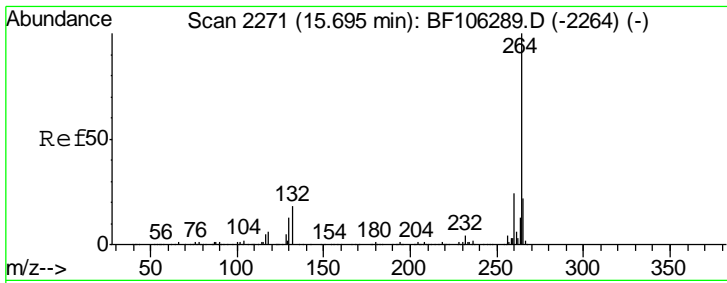
Tgt Ion	Resp	Lower	Upper
228	100		
226	30.0	25.0	37.6
229	22.5	16.2	24.4



#85
 Indeno(1,2,3-cd)pyrene
 Concen: 13.991 ng
 RT: 17.26 min Scan# 2537
 Delta R.T. 0.01 min
 Lab File: BF106490.D
 Acq: 15 Jun 2018 14:34

Tgt Ion	Resp	Lower	Upper
276	100		
138	21.4	25.0	37.6#
277	23.9	20.1	30.1

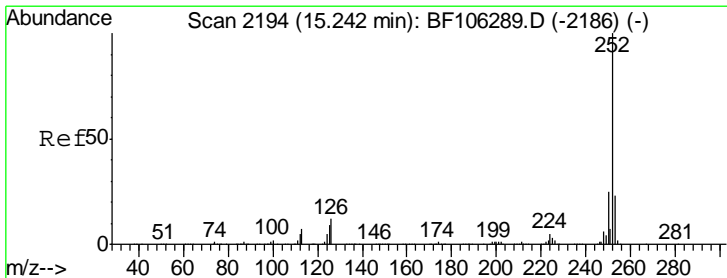
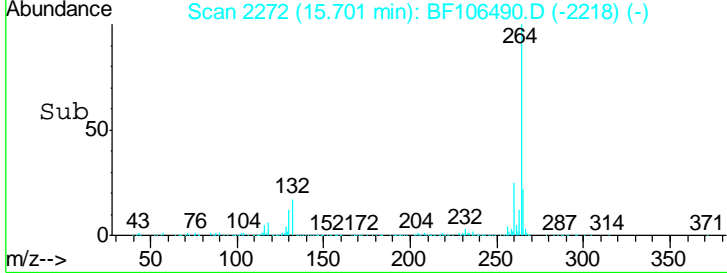
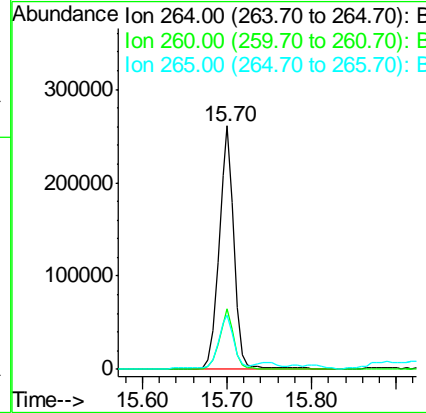
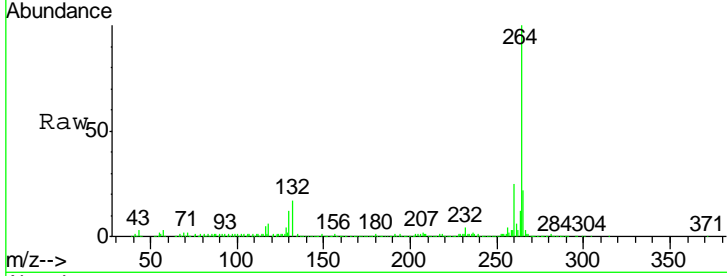




#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.70 min Scan# 2272
 Delta R.T. 0.02 min
 Lab File: BF106490.D
 Acq: 15 Jun 2018 14:34

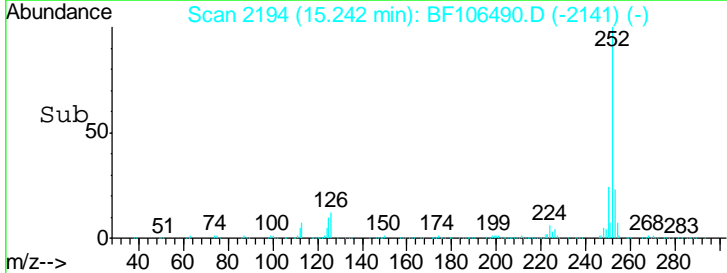
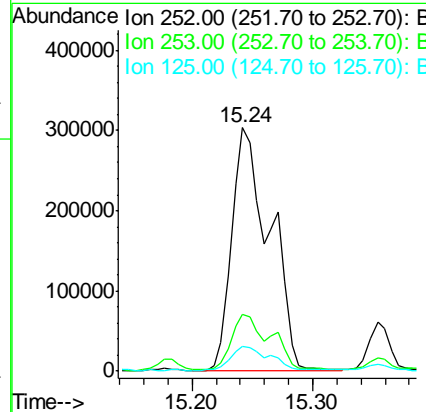
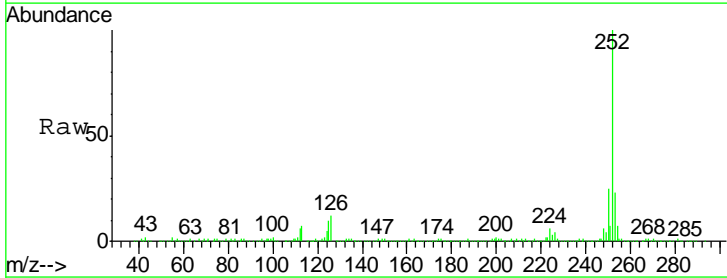
Instrument :
 BNA_F
 ClientSampled :
 TP-D-S

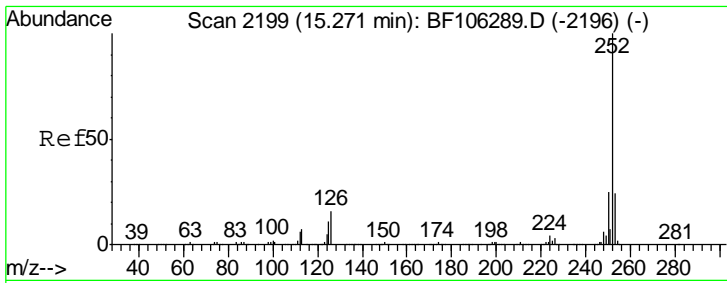
Tgt Ion	Resp	Lower	Upper
264	100		
260	25.0	19.2	28.8
265	22.3	17.5	26.3



#87
 Benzo(b)fluoranthene
 Concen: 34.016 ng
 RT: 15.24 min Scan# 2194
 Delta R.T. 0.01 min
 Lab File: BF106490.D
 Acq: 15 Jun 2018 14:34

Tgt Ion	Resp	Lower	Upper
252	100		
253	23.4	17.0	25.6
125	10.3	9.0	13.6

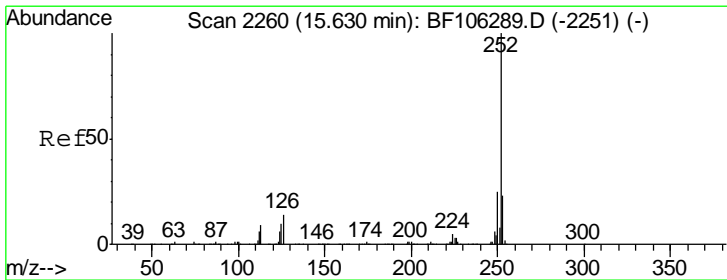
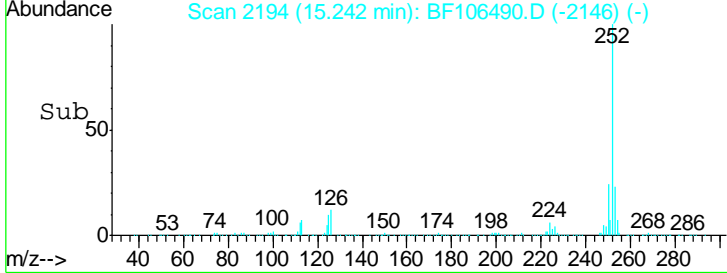
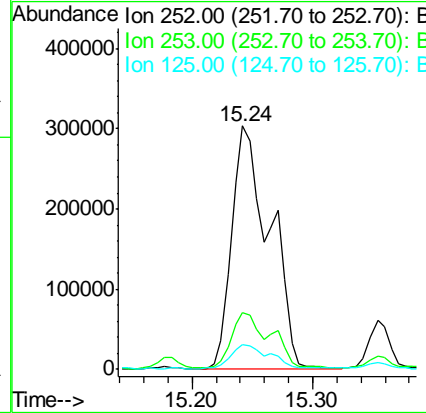
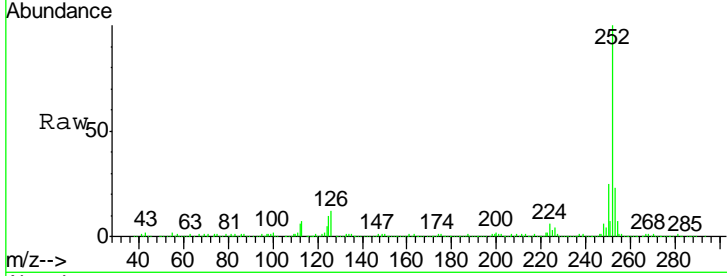




#88
 Benzo(k)fluoranthene
 Concen: 34.347 ng
 RT: 15.24 min Scan# 2194
 Delta R.T. -0.02 min
 Lab File: BF106490.D
 Acq: 15 Jun 2018 14:34

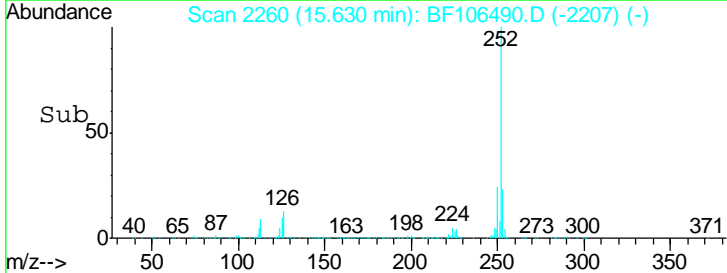
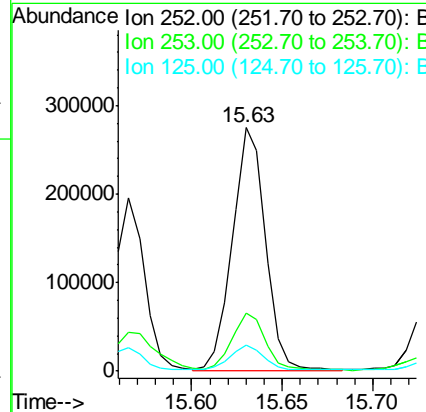
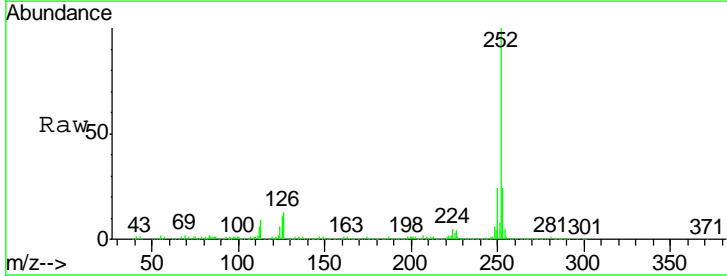
Instrument :
 BNA_F
 ClientSampled :
 TP-D-S

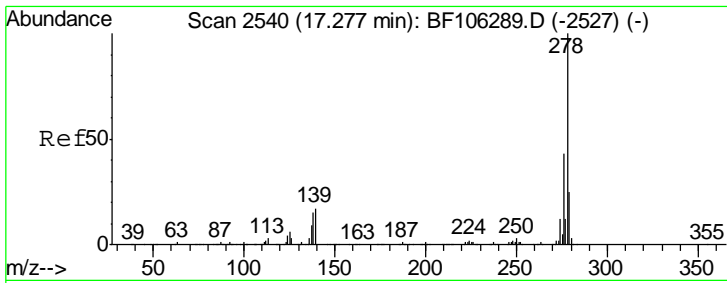
Tgt Ion	Resp	Lower	Upper
252	100		
253	23.4	17.9	26.9
125	10.3	10.2	15.2



#89
 Benzo(a)pyrene
 Concen: 19.647 ng
 RT: 15.63 min Scan# 2260
 Delta R.T. 0.01 min
 Lab File: BF106490.D
 Acq: 15 Jun 2018 14:34

Tgt Ion	Resp	Lower	Upper
252	100		
253	23.6	17.1	25.7
125	10.9	9.8	14.6

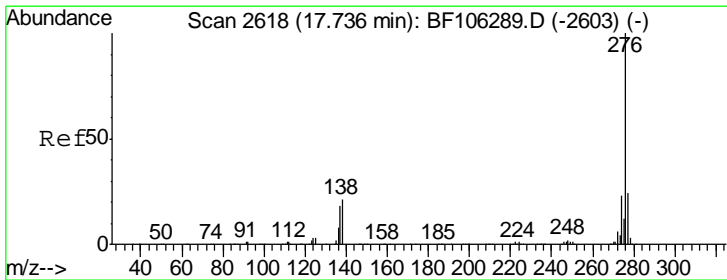
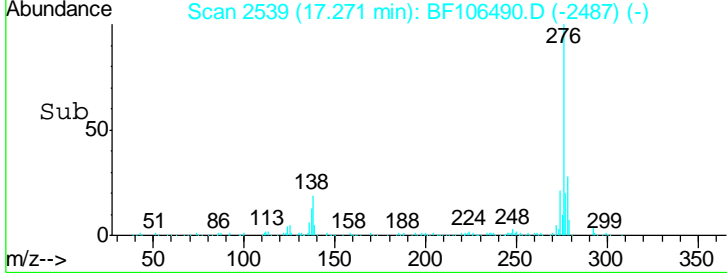
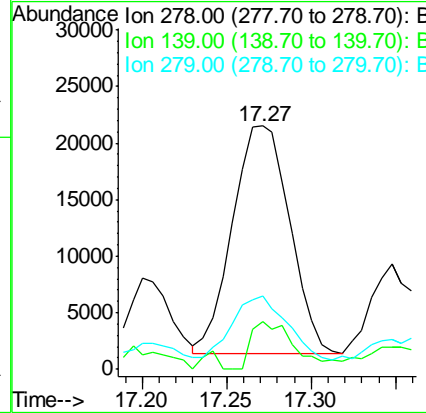
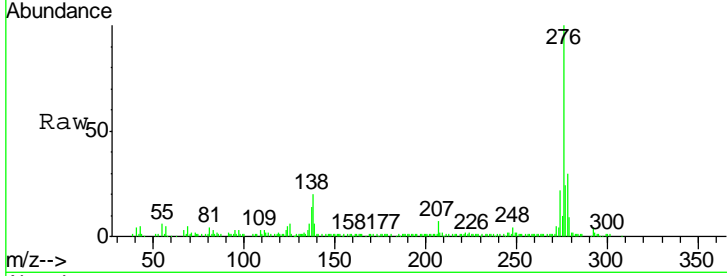




#90
 Dibenzo(a,h)anthracene
 Concen: 3.239 ng
 RT: 17.27 min Scan# 2539
 Delta R.T. 0.01 min
 Lab File: BF106490.D
 Acq: 15 Jun 2018 14:34

Instrument :
 BNA_F
 ClientSampled :
 TP-D-S

Tgt Ion	Resp	Lower	Upper
278	47480		
139	19.7	15.9	23.9
279	30.3	19.0	28.4#



#91
 Benzo(g,h,i)perylene
 Concen: 11.857 ng
 RT: 17.74 min Scan# 2619
 Delta R.T. 0.01 min
 Lab File: BF106490.D
 Acq: 15 Jun 2018 14:34

Tgt Ion	Resp	Lower	Upper
276	168906		
277	24.6	17.9	26.9
138	21.1	21.8	32.8#

