

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061418\
 Data File : BF106448.D
 Acq On : 14 Jun 2018 17:57
 Operator : JU/SJ
 Sample : J3241-09 5X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 14 18:43:14 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061118.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 14 18:39:24 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	129457	20.00	ng	0.00
21) Naphthalene-d8	8.25	136	498527	20.00	ng	0.00
38) Acenaphthene-d10	10.01	164	223317	20.00	ng	0.00
63) Phenanthrene-d10	11.50	188	368899	20.00	ng	0.00
75) Chrysene-d12	14.15	240	340309	20.00	ng	0.00
86) Perylene-d12	15.69	264	241063	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.61	112	203742	26.64	ng	0.00
7) Phenol-d6	6.61	99	262889	27.20	ng	0.00
23) Nitrobenzene-d5	7.52	82	157629	18.60	ng	-0.01
41) 2,4,6-Tribromophenol	10.80	330	52913	24.63	ng	-0.01
44) 2-Fluorobiphenyl	9.32	172	306334	14.40	ng	0.00
78) Terphenyl-d14	13.08	244	270912	19.77	ng	0.00

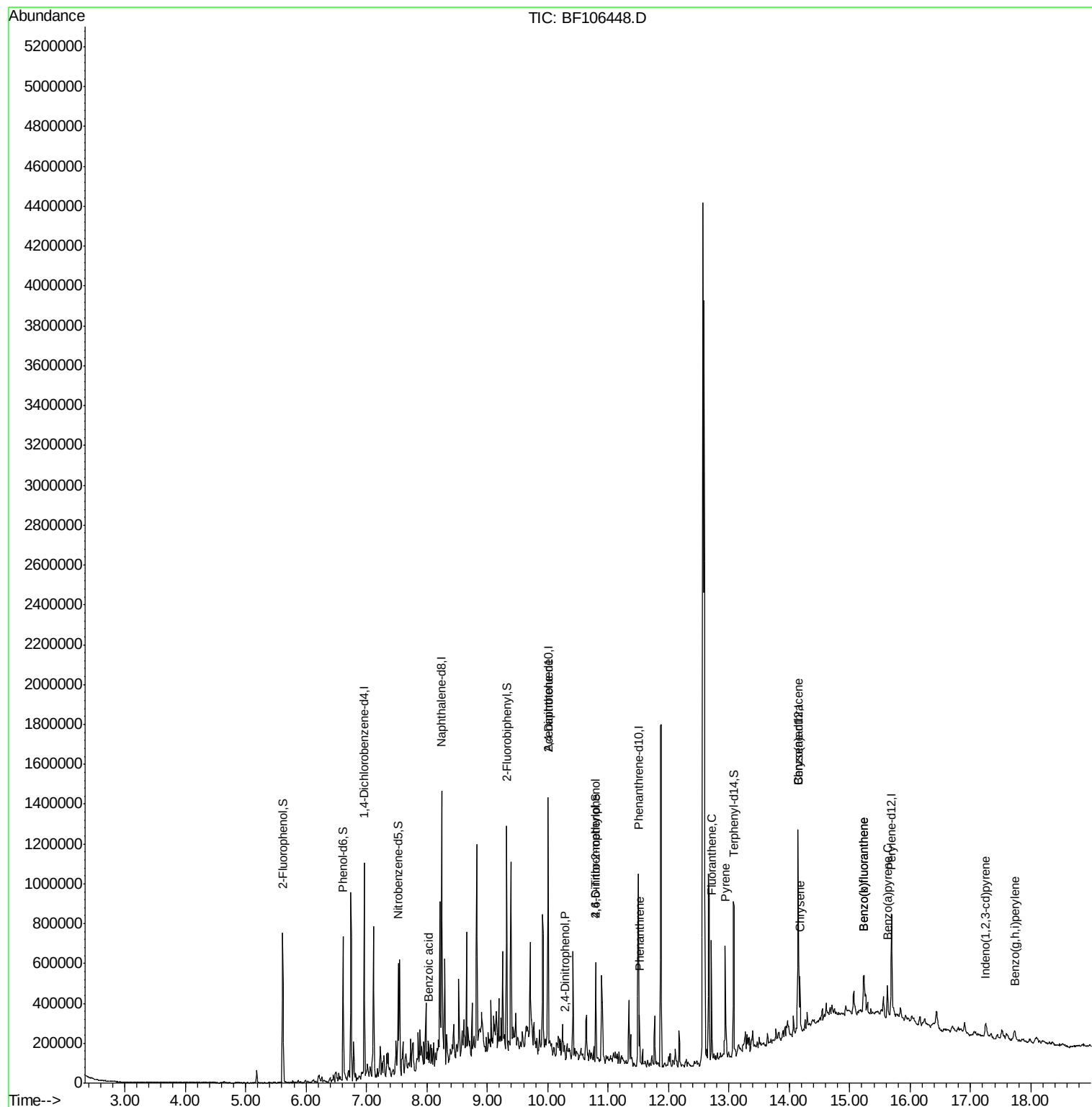
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
32) Benzoic acid	8.04	122	433	7.360	ng	# 1
53) 2,4-Dinitrophenol	10.30	184	110	8.679	ng	# 1
56) 2,4-Dinitrotoluene	10.01	165	30418	7.433	ng	# 24
64) 4,6-Dinitro-2-methylphenol	10.80	198	108	6.342	ng	# 1
70) Phenanthrene	11.52	178	80890	4.477	ng	97
74) Fluoranthene	12.71	202	225392	11.698	ng	98
77) Pyrene	12.95	202	211312	9.918	ng	100
80) Benzo(a)anthracene	14.14	228	120167	5.934	ng	94
82) Chrysene	14.18	228	111738	6.043	ng	97
85) Indeno(1,2,3-cd)pyrene	17.25	276	41158	2.789	ng	# 90
87) Benzo(b)fluoranthene	15.24	252	157282	10.793	ng	97
88) Benzo(k)fluoranthene	15.24	252	157282	10.898	ng	97
89) Benzo(a)pyrene	15.62	252	80071	6.109	ng	95
91) Benzo(a,h,i)perylene	17.72	276	40609	3.824	ng	94

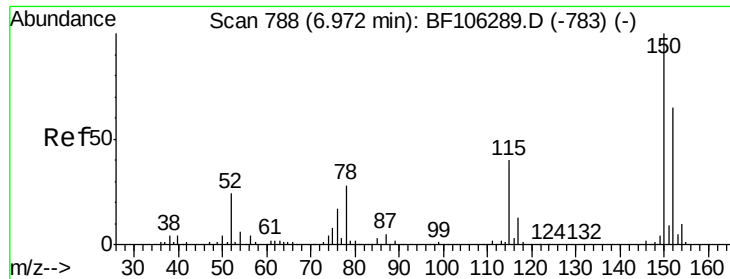
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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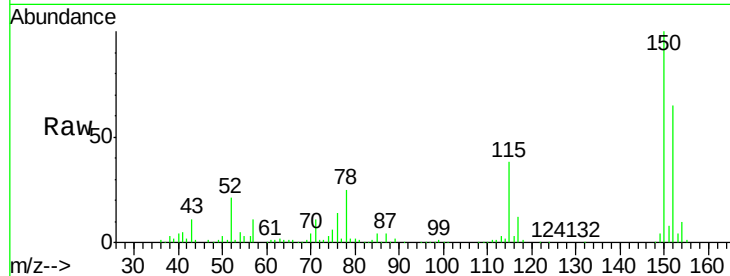


#1

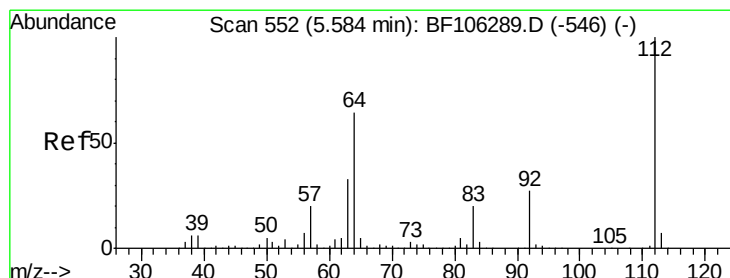
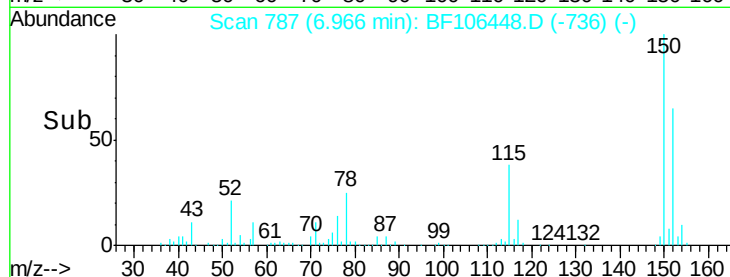
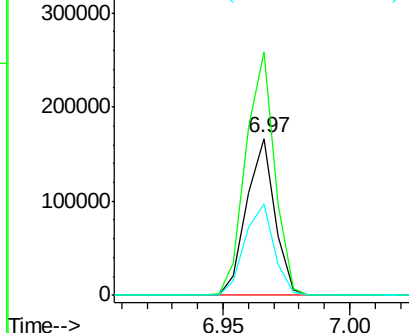
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 787
Delta R.T. -0.00 min
Lab File: BF106448.D
Acq: 14 Jun 2018 17:57

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.9	124.6	186.8
115	58.2	50.1	75.1



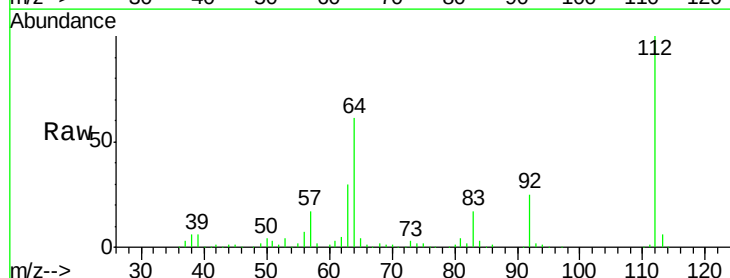
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



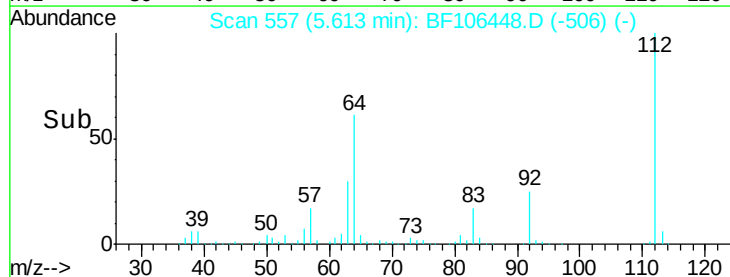
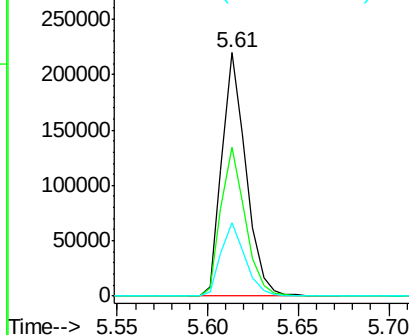
#5

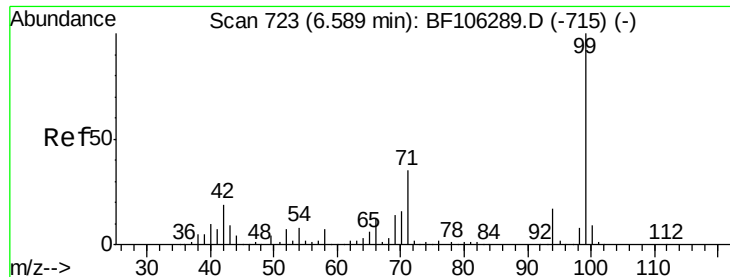
2-Fluorophenol
Concen: 26.637 ng
RT: 5.61 min Scan# 557
Delta R.T. -0.00 min
Lab File: BF106448.D
Acq: 14 Jun 2018 17:57

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.9	47.9	71.9
63	30.3	23.7	35.5



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 27.204 ng

RT: 6.61 min Scan# 727

Delta R.T. -0.00 min

Lab File: BF106448.D

Acq: 14 Jun 2018 17:57

Instrument :

BNA_F

ClientSampleId :

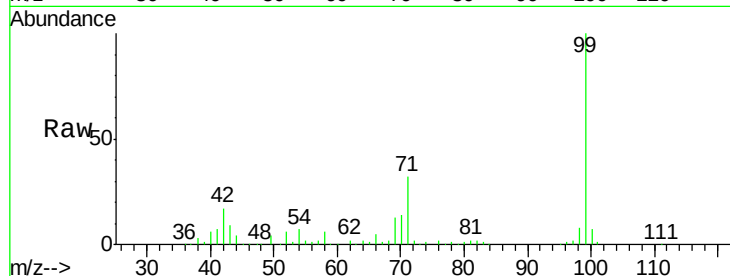
Tot Ion: 99 Resp: 262889

Ion Ratio Lower Upper

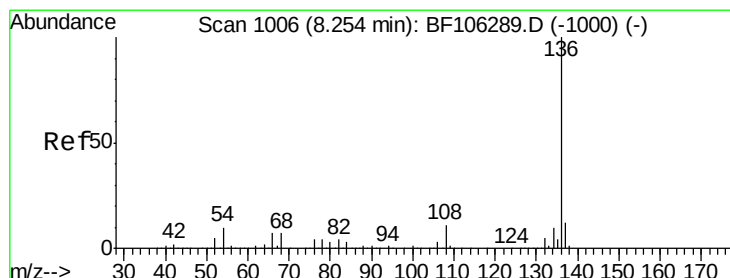
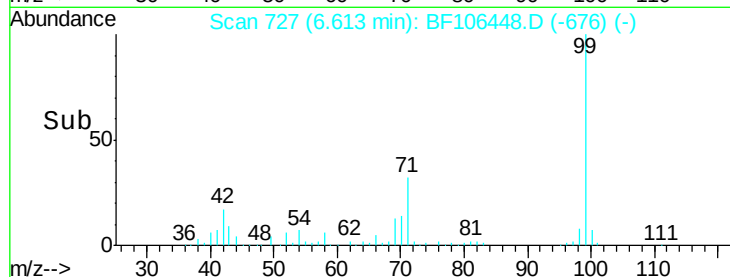
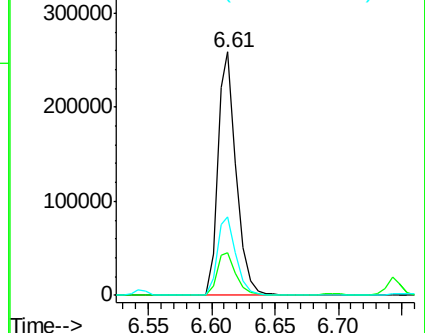
99 100

42 17.3 14.5 21.7

71 32.2 25.4 38.0



Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.25 min Scan# 1005

Delta R.T. -0.01 min

Lab File: BF106448.D

Acq: 14 Jun 2018 17:57

Tgt Ion: 136 Resp: 498527

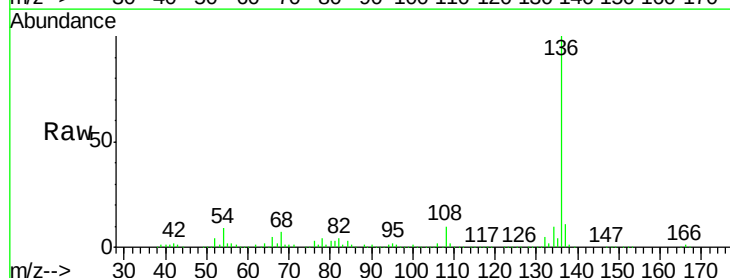
Ion Ratio Lower Upper

136 100

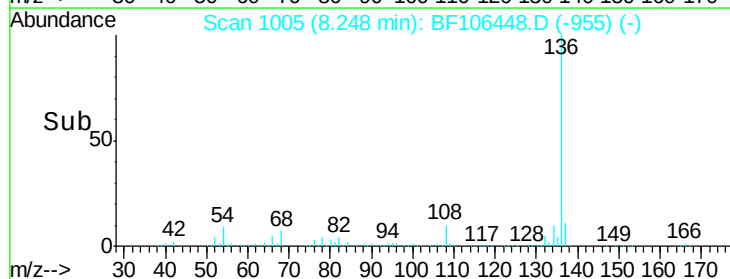
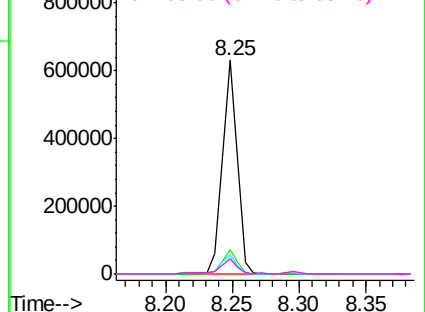
137 11.2 8.9 13.3

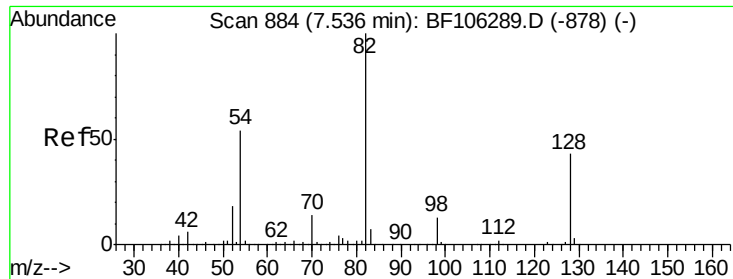
54 8.9 6.6 9.8

68 7.1 5.0 7.4



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): BF1
Ion 68.00 (67.70 to 68.70): BF1

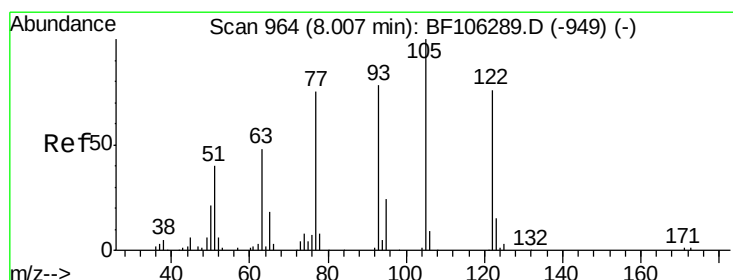
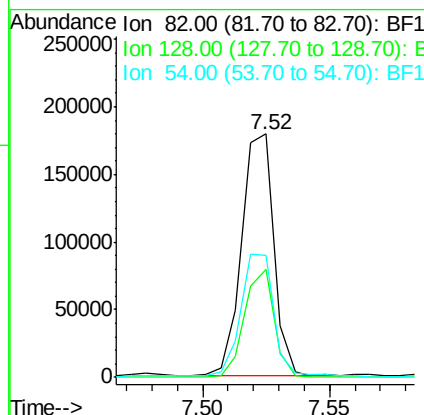
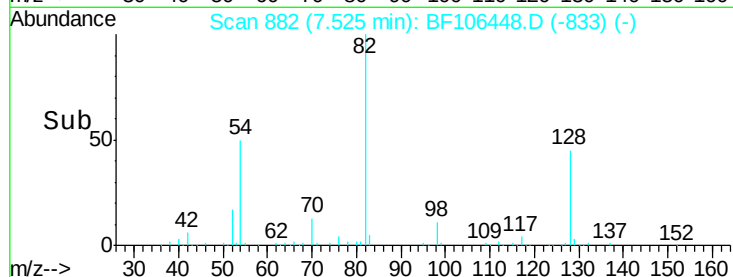
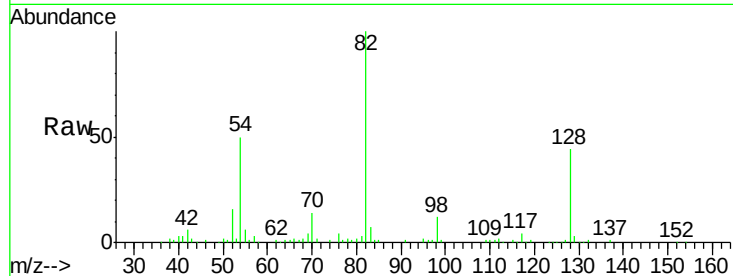




#23
 Nitrobenzene-d5
 Concen: 18.601 ng
 RT: 7.52 min Scan# 882
 Delta R.T. -0.01 min
 Lab File: BF106448.D
 Acq: 14 Jun 2018 17:57

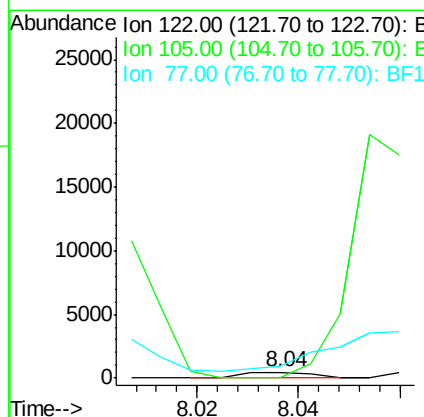
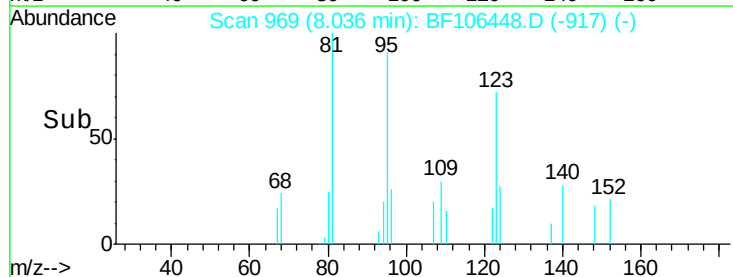
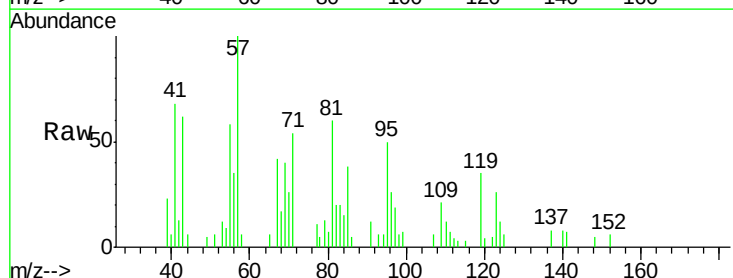
Instrument :
 BNA_F
 ClientSampled :

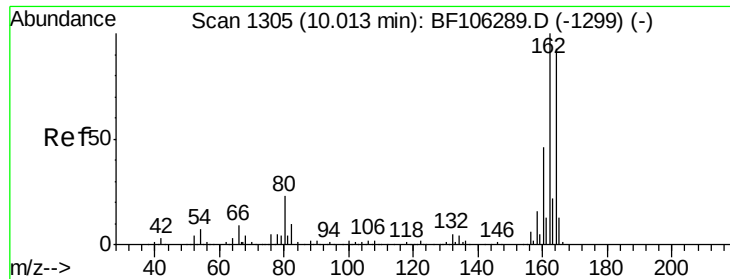
Tot Ion	82	Resp	157629
Ion Ratio	Lower	Upper	
82	100		
128	44.4	36.1	54.1
54	50.3	41.4	62.2



#32
 Benzoic acid
 Concen: 7.360 ng
 RT: 8.04 min Scan# 969
 Delta R.T. 0.01 min
 Lab File: BF106448.D
 Acq: 14 Jun 2018 17:57

Tgt Ion	122	Resp	433
Ion Ratio	Lower	Upper	
122	100		
105	0.0	101.1	141.1#
77	217.7	70.7	110.7#

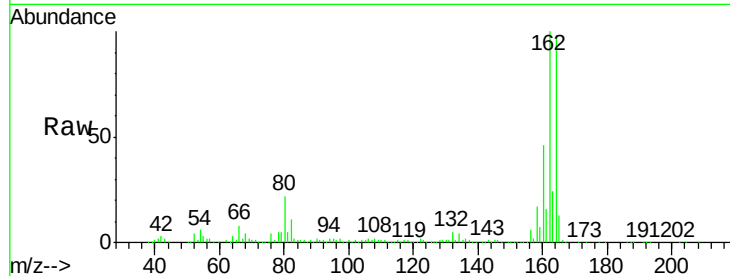




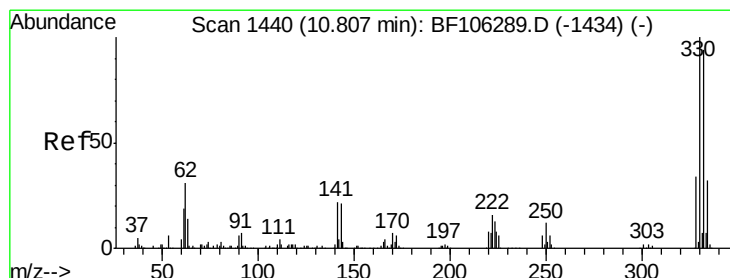
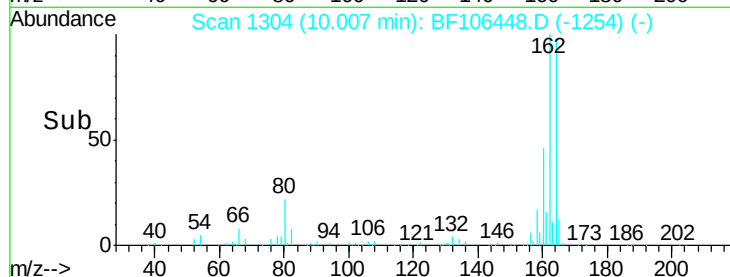
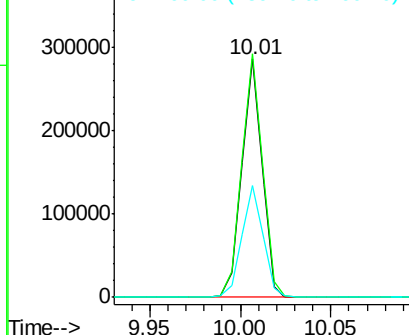
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 10.01 min Scan# 1304
 Delta R.T. -0.01 min
 Lab File: BF106448.D
 Acq: 14 Jun 2018 17:57

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:164 Resp: 223317
 Ion Ratio Lower Upper
 164 100
 162 102.3 86.1 129.1
 160 47.1 38.3 57.5

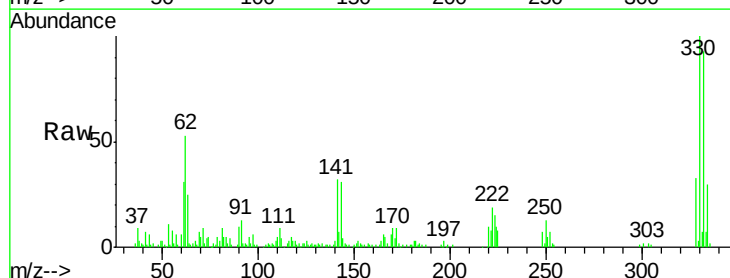


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

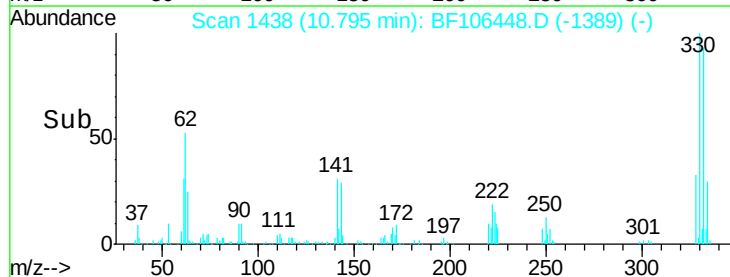
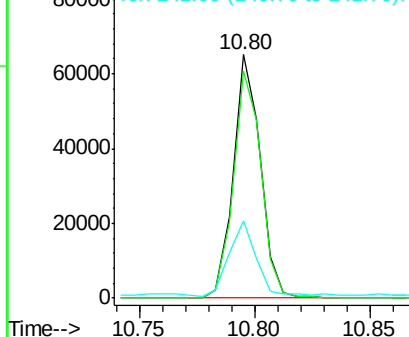


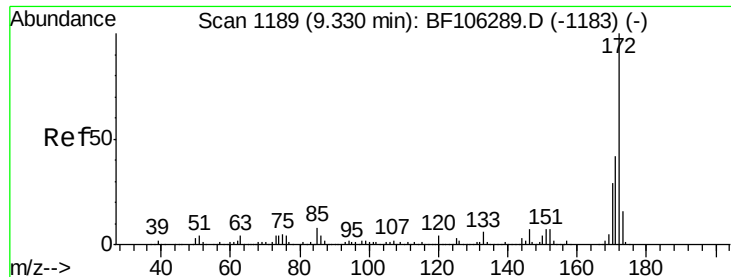
#41
 2,4,6-Tribromophenol
 Concen: 24.626 ng
 RT: 10.80 min Scan# 1438
 Delta R.T. -0.01 min
 Lab File: BF106448.D
 Acq: 14 Jun 2018 17:57

Tgt Ion:330 Resp: 52913
 Ion Ratio Lower Upper
 330 100
 332 95.7 77.0 115.6
 141 30.8 29.9 44.9



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

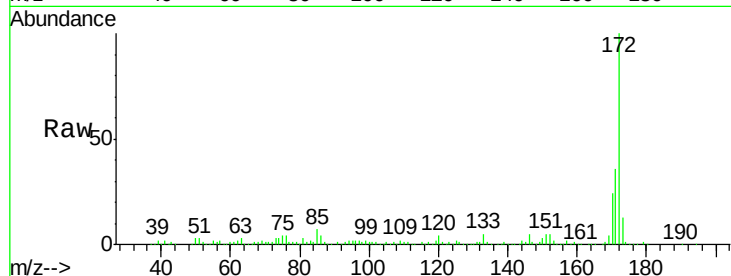




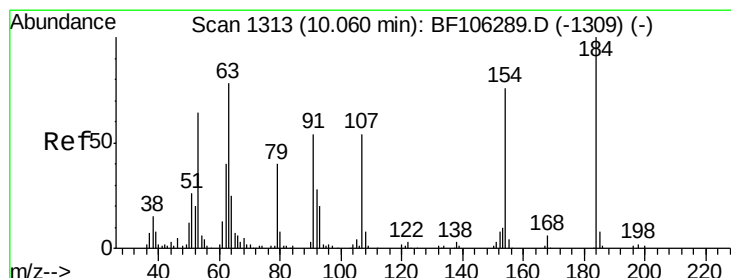
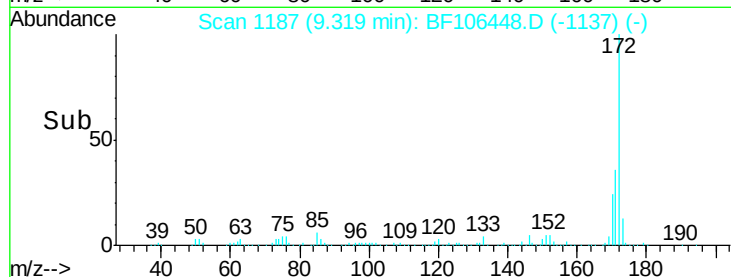
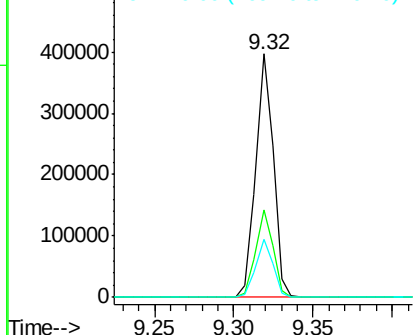
#44
2-Fluorobiphenyl
Concen: 14.400 ng
RT: 9.32 min Scan# 1187
Delta R.T. -0.01 min
Lab File: BF106448.D
Acq: 14 Jun 2018 17:57

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 306334
Ion Ratio Lower Upper
172 100
171 35.9 29.7 44.5
170 23.9 19.6 29.4

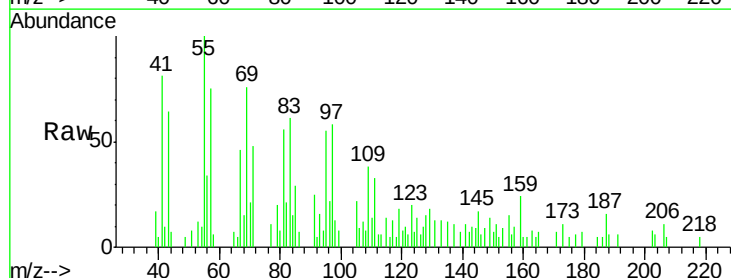


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

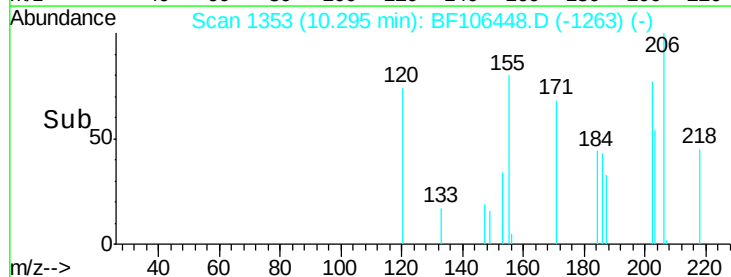
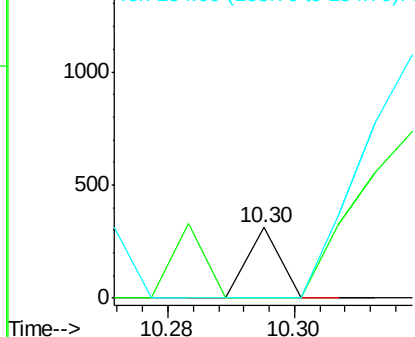


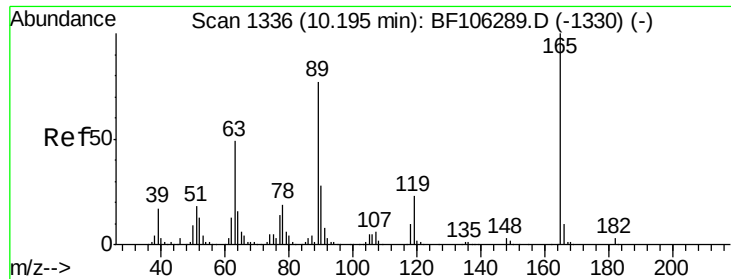
#53
2,4-Dinitrophenol
Concen: 8.679 ng
RT: 10.30 min Scan# 1353
Delta R.T. 0.23 min
Lab File: BF106448.D
Acq: 14 Jun 2018 17:57

Tgt Ion:184 Resp: 110
Ion Ratio Lower Upper
184 100
63 0.0 54.2 81.2#
154 0.0 184.0 276.0#



Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 154.00 (153.70 to 154.70): E

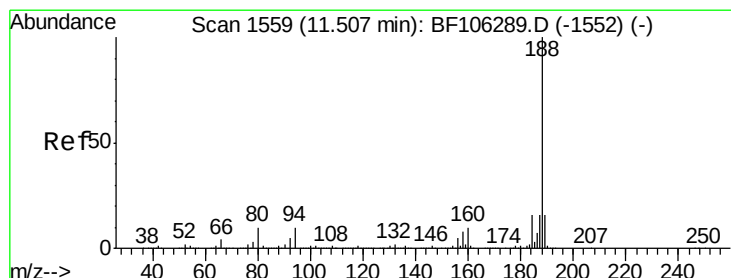
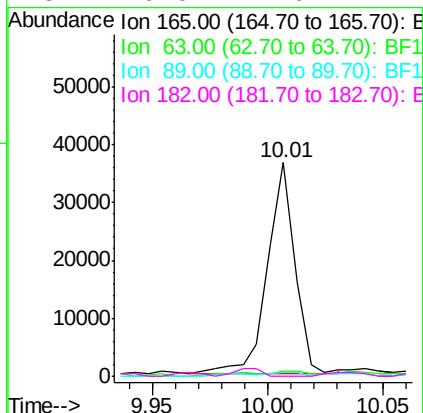
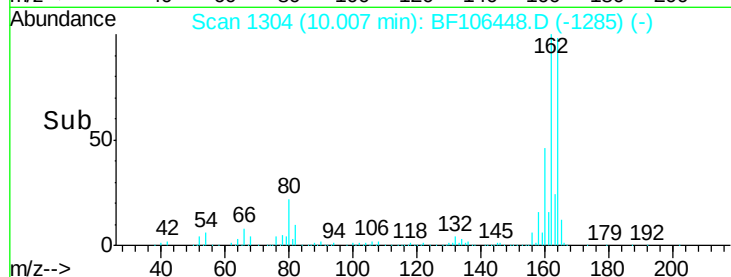
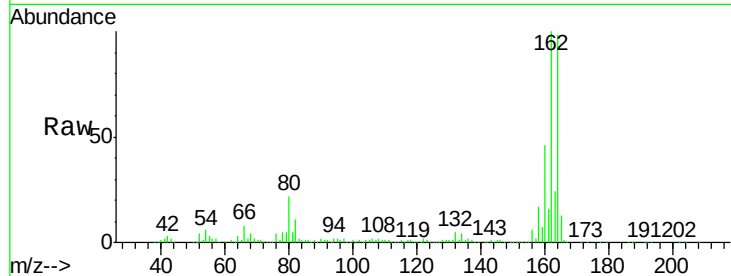




#56
 2,4-Dinitrotoluene
 Concen: 7.433 ng
 RT: 10.01 min Scan# 1304
 Delta R.T. -0.19 min
 Lab File: BF106448.D
 Acq: 14 Jun 2018 17:57

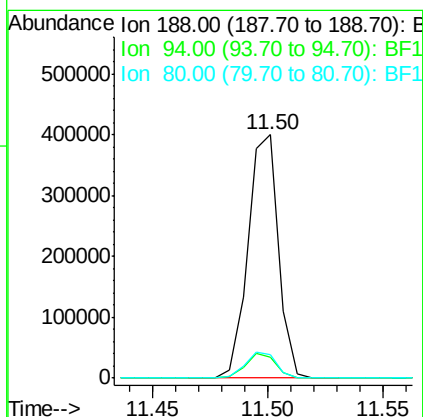
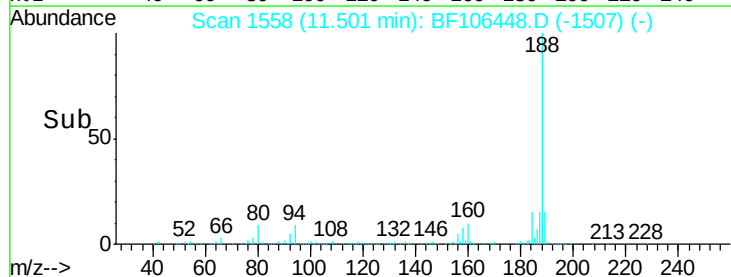
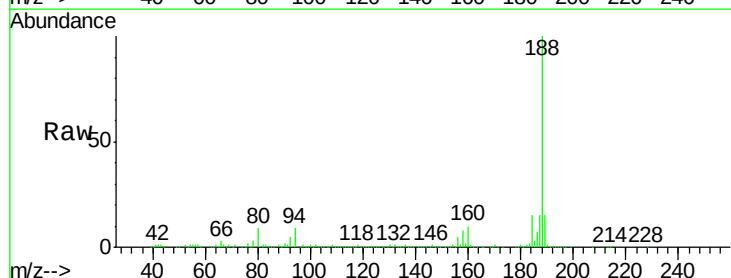
Instrument :
 BNA_F
 ClientSampled :

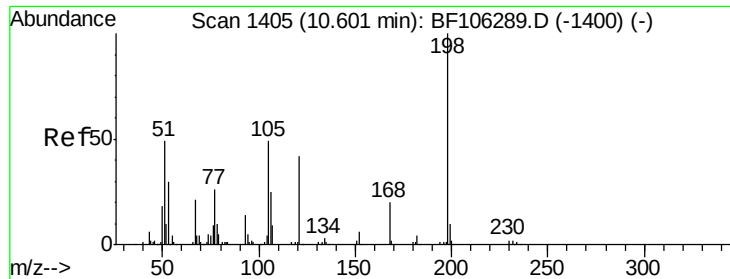
Tot Ion	Ratio	Lower	Upper
165	100		
63	2.2	36.4	54.6#
89	1.9	57.8	86.6#
182	0.0	1.6	2.4#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.50 min Scan# 1558
 Delta R.T. -0.00 min
 Lab File: BF106448.D
 Acq: 14 Jun 2018 17:57

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.8	8.5	12.7
80	9.4	9.2	13.8





#64

4,6-Dinitro-2-methylphenol

Concen: 6.342 ng

RT: 10.80 min Scan# 1438

Delta R.T. 0.19 min

Lab File: BF106448.D

Acq: 14 Jun 2018 17:57

Instrument :

BNA_F

ClientSampleId :

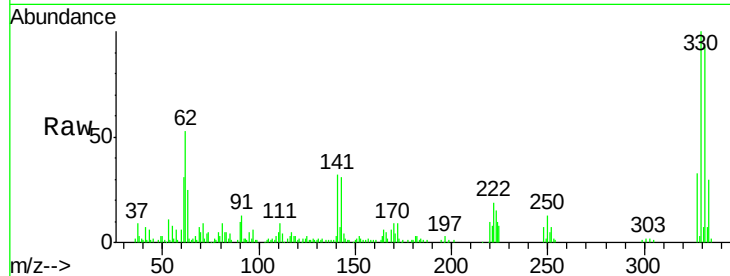
Tot Ion:198 Resp: 108

Ion Ratio Lower Upper

198 100

51 223.2 37.7 77.7#

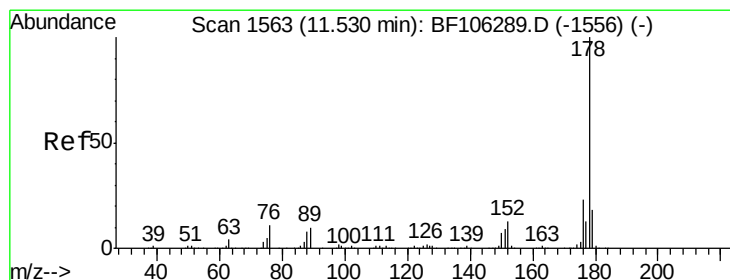
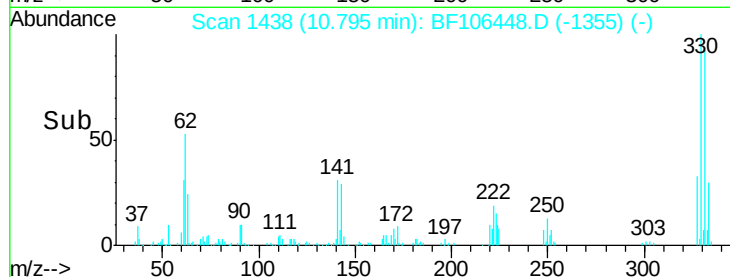
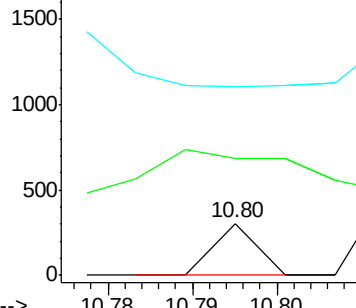
105 362.4 36.3 76.3#



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



#70

Phenanthrene

Concen: 4.477 ng

RT: 11.52 min Scan# 1561

Delta R.T. -0.01 min

Lab File: BF106448.D

Acq: 14 Jun 2018 17:57

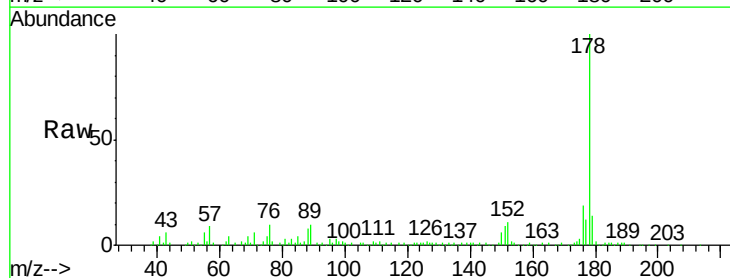
Tgt Ion:178 Resp: 80890

Ion Ratio Lower Upper

178 100

176 19.2 15.8 23.8

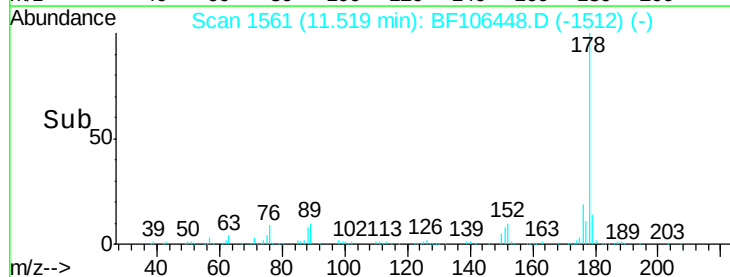
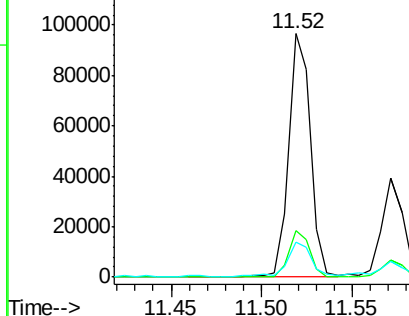
179 14.3 13.0 19.6

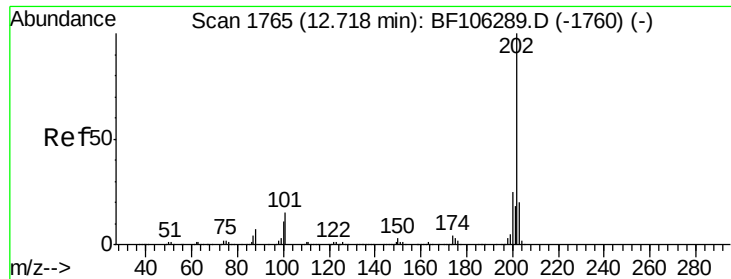


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 11.698 ng

RT: 12.71 min Scan# 1764

Delta R.T. -0.01 min

Lab File: BF106448.D

Acq: 14 Jun 2018 17:57

Instrument :

BNA_F

ClientSampleId :

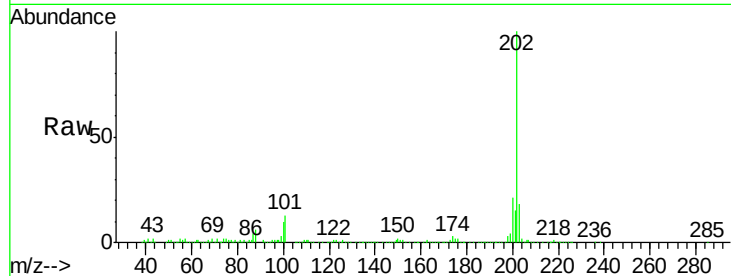
Tot Ion:202 Resp: 225392

Ion Ratio Lower Upper

202 100

101 13.1 0.0 34.1

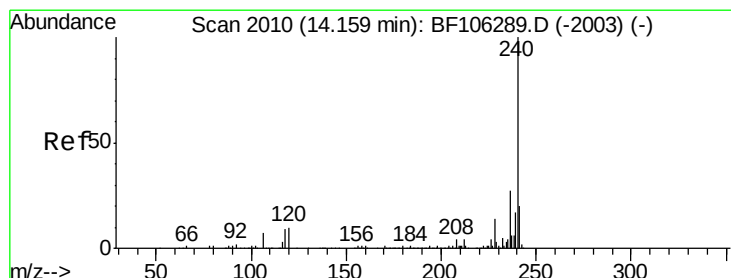
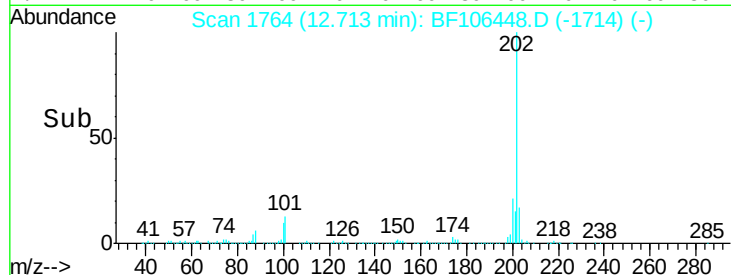
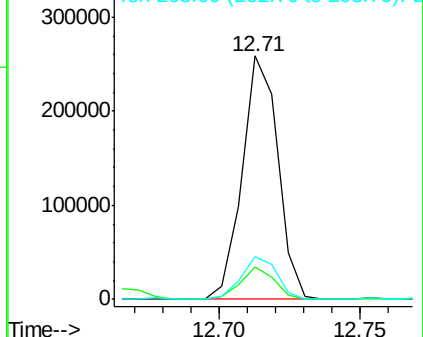
203 17.6 0.0 38.1



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: 14.15 min Scan# 2009

Delta R.T. -0.01 min

Lab File: BF106448.D

Acq: 14 Jun 2018 17:57

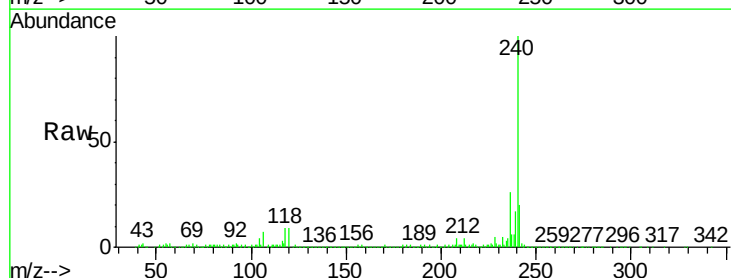
Tgt Ion:240 Resp: 340309

Ion Ratio Lower Upper

240 100

120 9.4 9.5 14.3#

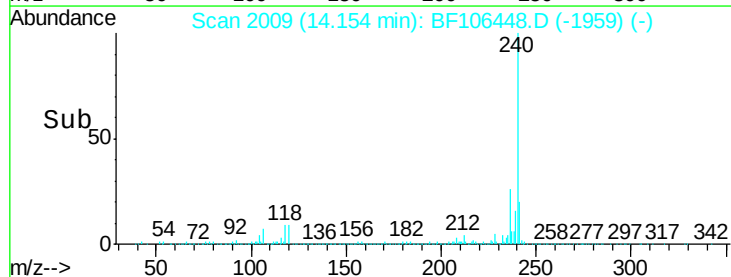
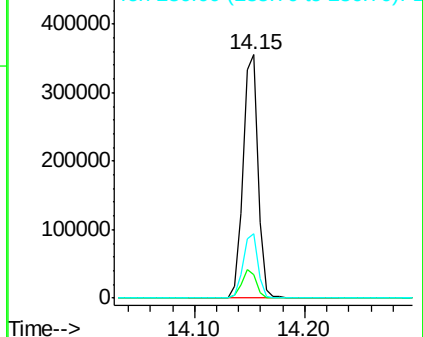
236 26.4 20.7 31.1

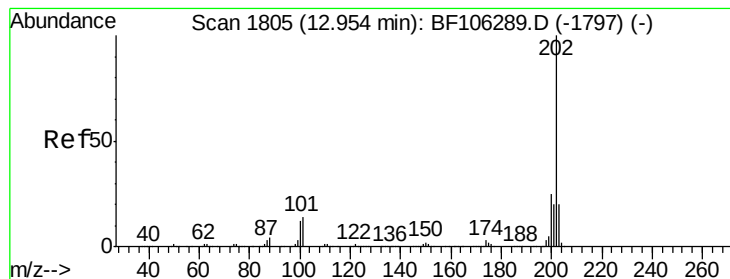


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 9.918 ng

RT: 12.95 min Scan# 1804

Delta R.T. -0.00 min

Lab File: BF106448.D

Acq: 14 Jun 2018 17:57

Instrument :

BNA_F

ClientSampleId :

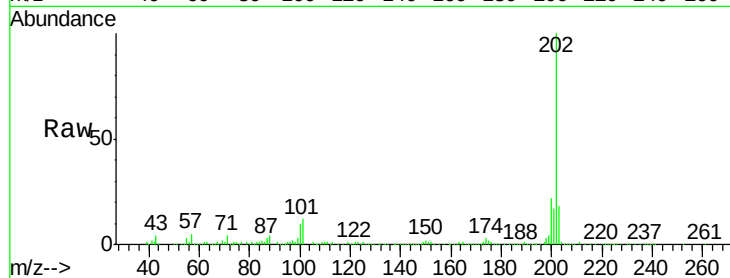
Tot Ion:202 Resp: 211312

Ion Ratio Lower Upper

202 100

200 21.5 17.4 26.2

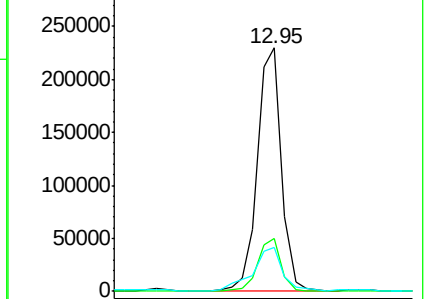
203 17.8 14.3 21.5



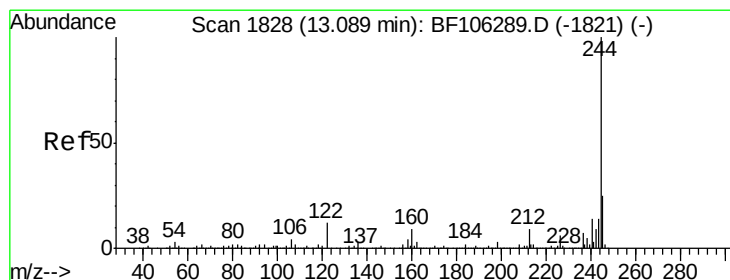
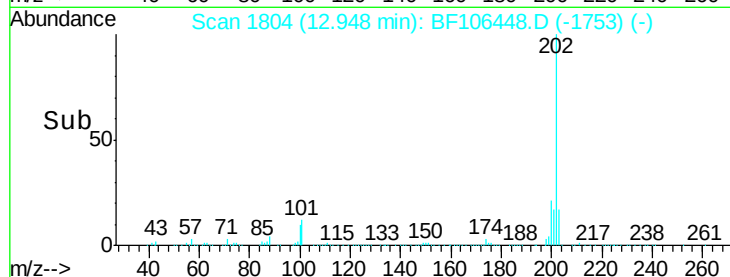
Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



Time-->



#78

Terphenyl-d14

Concen: 19.773 ng

RT: 13.08 min Scan# 1827

Delta R.T. -0.01 min

Lab File: BF106448.D

Acq: 14 Jun 2018 17:57

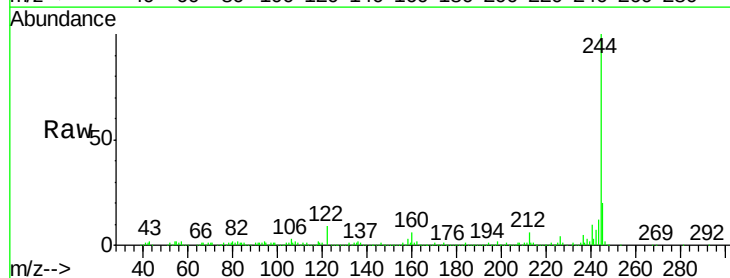
Tgt Ion:244 Resp: 270912

Ion Ratio Lower Upper

244 100

212 6.2 5.4 8.0

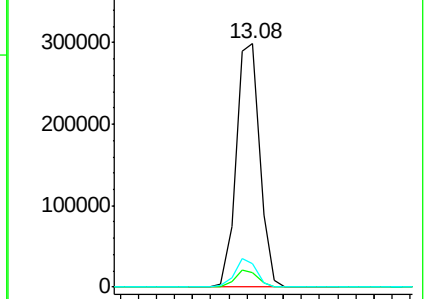
122 9.4 11.0 16.4#



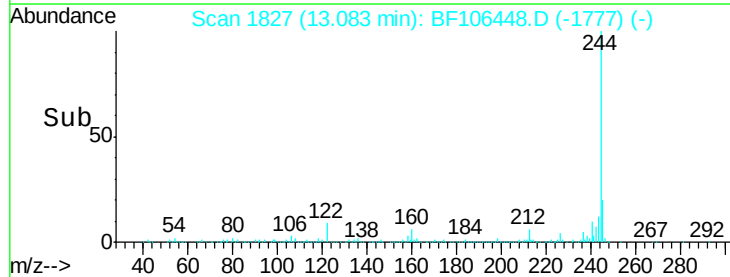
Abundance Ion 244.00 (243.70 to 244.70): E

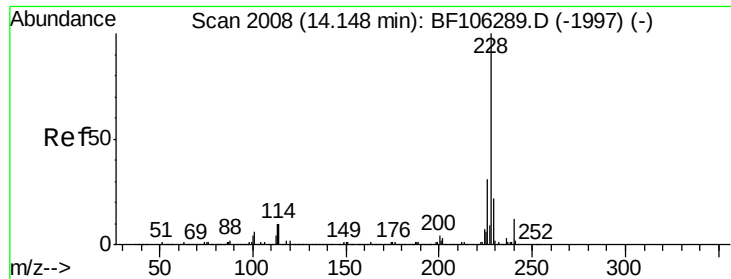
Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



Time-->

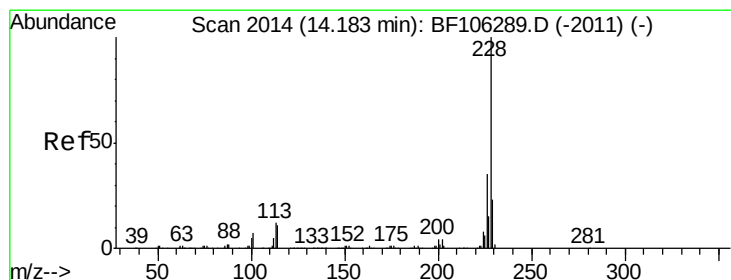
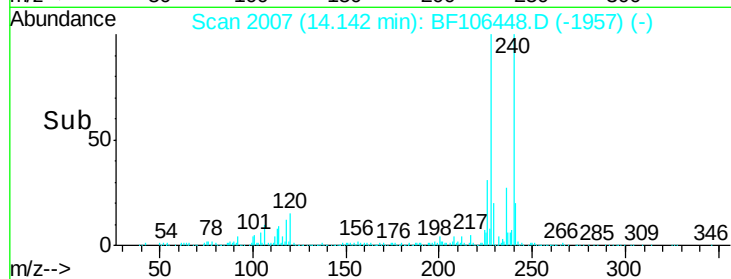
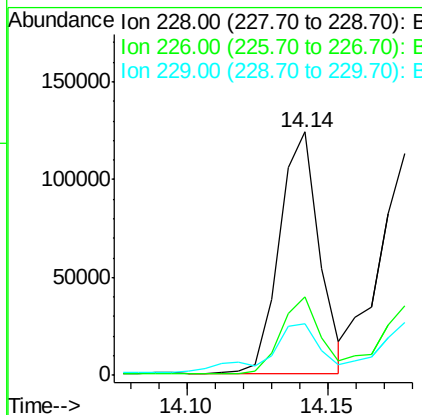
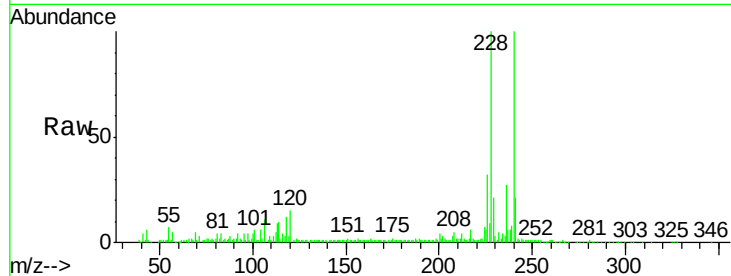




#80
Benzo(a)anthracene
Concen: 5.934 ng
RT: 14.14 min Scan# 2007
Delta R.T. -0.01 min
Lab File: BF106448.D
Acq: 14 Jun 2018 17:57

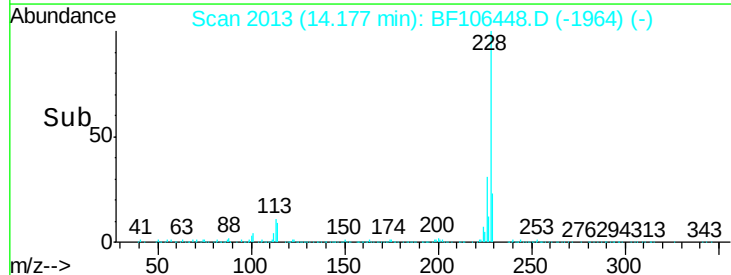
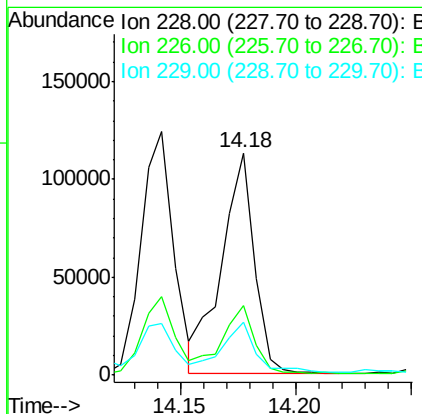
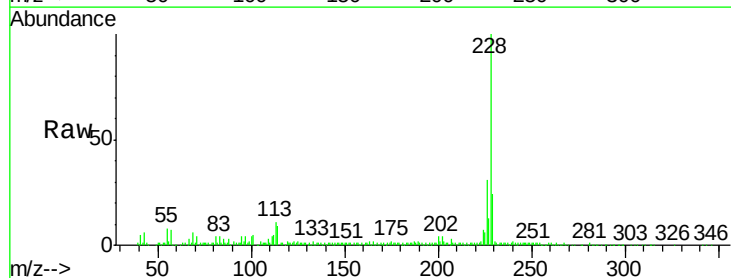
Instrument :
BNA_F
ClientSampleId :

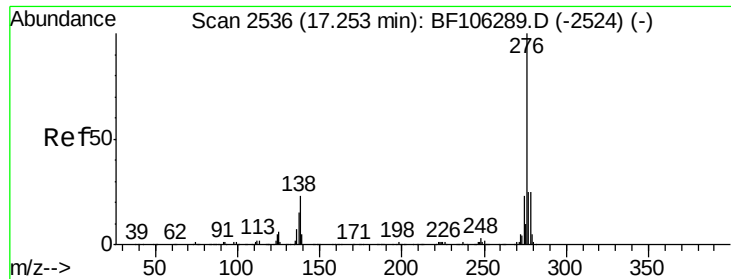
Tot Ion	Ratio	Lower	Upper
228	100		
226	32.2	22.6	33.8
229	21.4	15.8	23.6



#82
Chrysene
Concen: 6.043 ng
RT: 14.18 min Scan# 2013
Delta R.T. -0.01 min
Lab File: BF106448.D
Acq: 14 Jun 2018 17:57

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.4	25.0	37.6
229	23.9	16.2	24.4

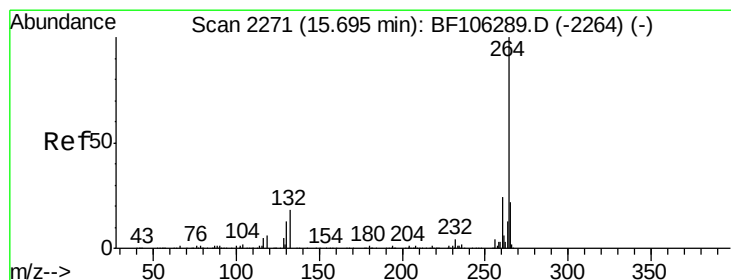
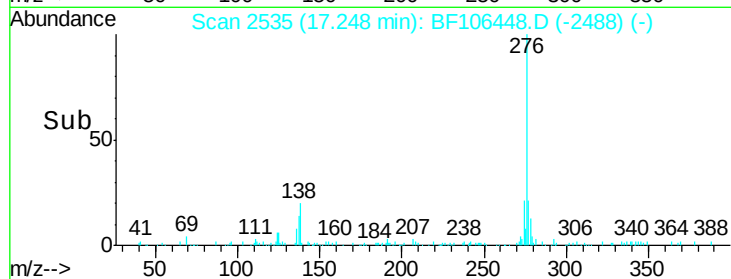
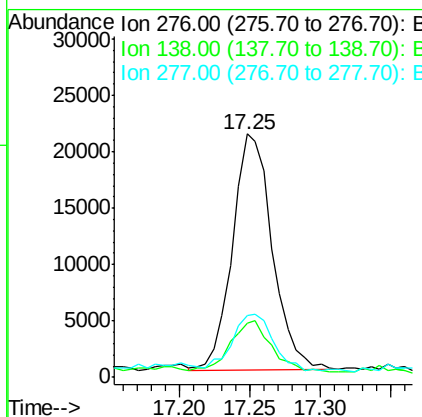
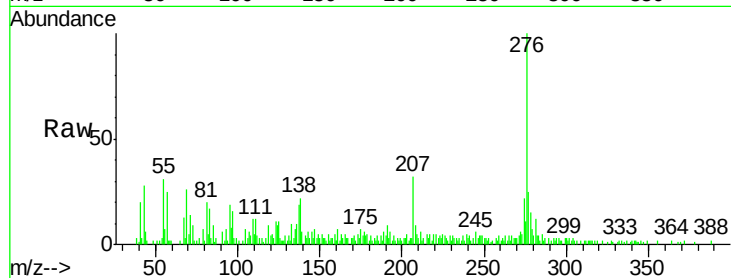




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 2.789 ng
 RT: 17.25 min Scan# 2535
 Delta R.T. -0.02 min
 Lab File: BF106448.D
 Acq: 14 Jun 2018 17:57

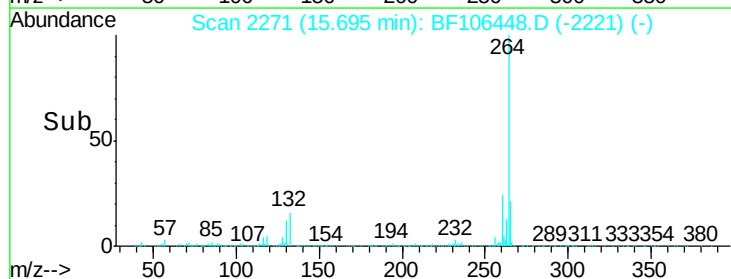
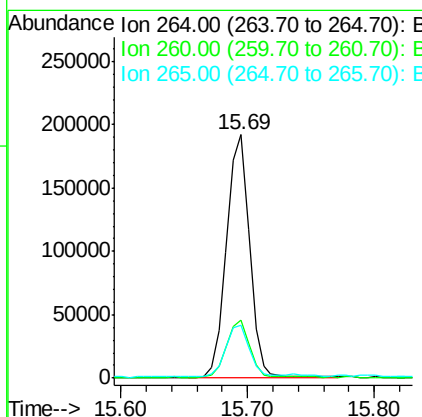
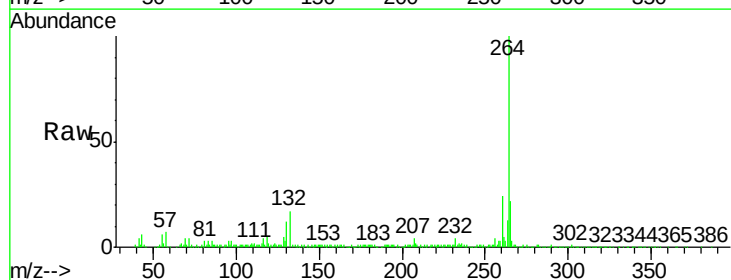
Instrument :
 BNA_F
 ClientSampleID :

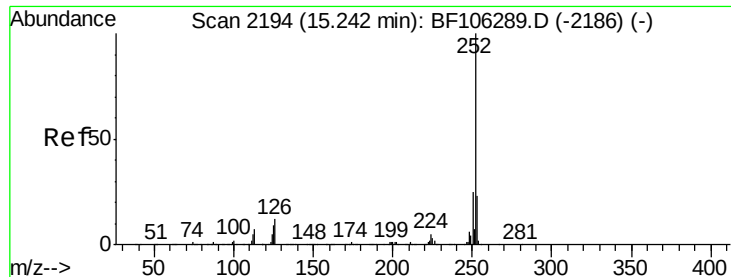
Tot Ion	Ratio	Lower	Upper
276	100		
138	22.3	25.0	37.6#
277	24.4	20.1	30.1



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.69 min Scan# 2271
 Delta R.T. -0.01 min
 Lab File: BF106448.D
 Acq: 14 Jun 2018 17:57

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.2	28.8
265	21.8	17.5	26.3

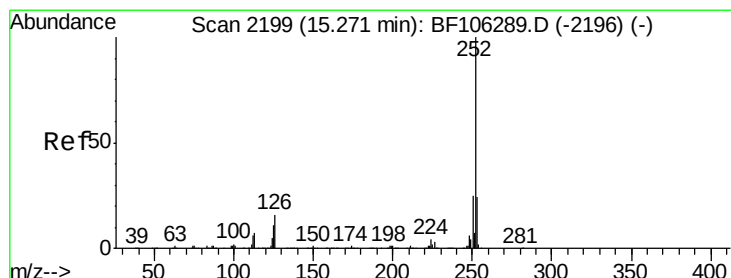
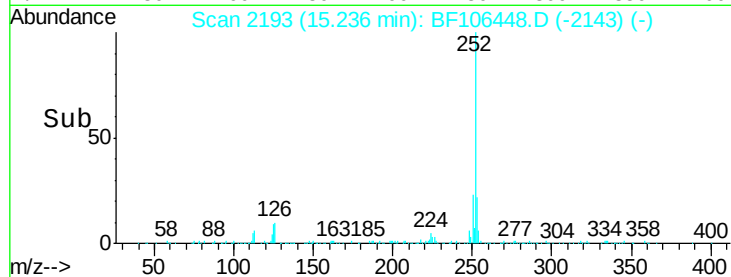
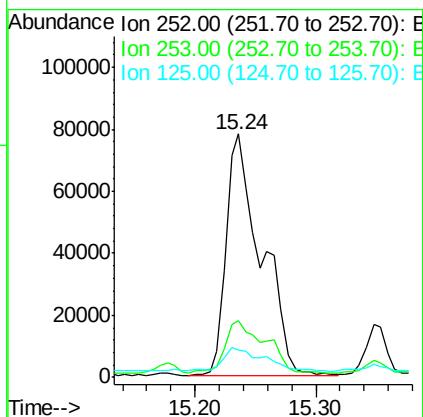
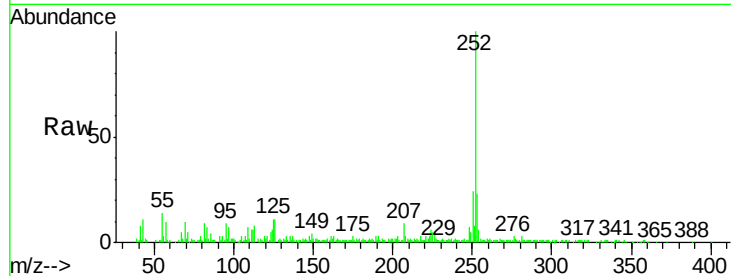




#87
Benzo(b)fluoranthene
Concen: 10.793 ng
RT: 15.24 min Scan# 2193
Delta R.T. -0.01 min
Lab File: BF106448.D
Acq: 14 Jun 2018 17:57

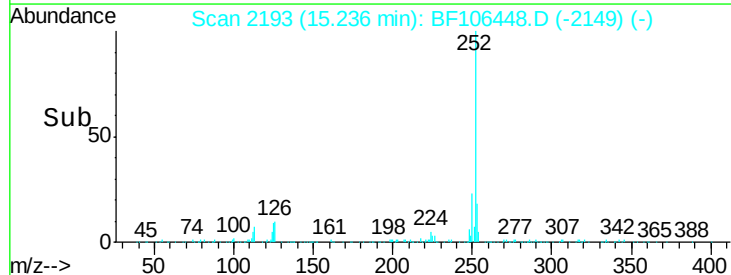
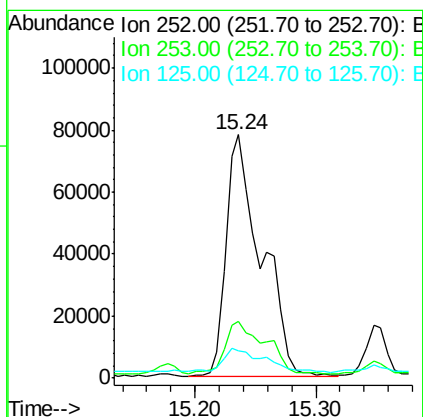
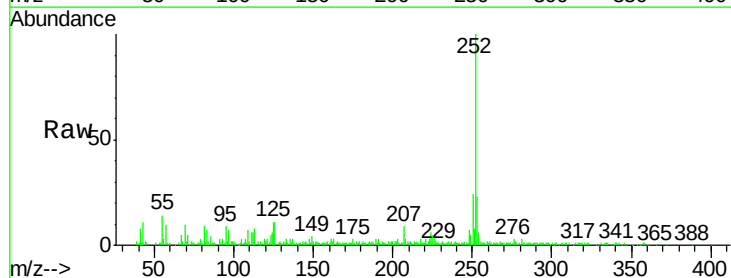
Instrument :
BNA_F
ClientSampleId :

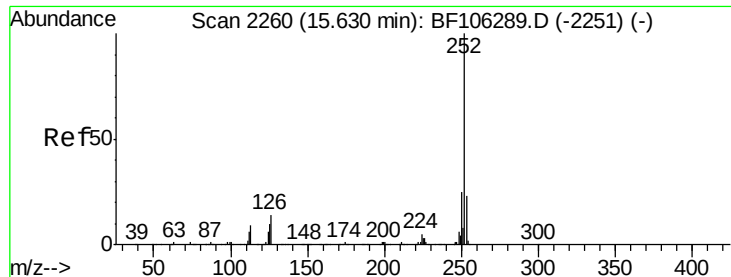
Tot Ion:252 Resp: 157282
Ion Ratio Lower Upper
252 100
253 23.5 17.0 25.6
125 11.3 9.0 13.6



#88
Benzo(k)fluoranthene
Concen: 10.898 ng
RT: 15.24 min Scan# 2193
Delta R.T. -0.04 min
Lab File: BF106448.D
Acq: 14 Jun 2018 17:57

Tgt Ion:252 Resp: 157282
Ion Ratio Lower Upper
252 100
253 23.5 17.9 26.9
125 11.3 10.2 15.2





#89

Benzo(a)pyrene

Concen: 6.109 ng

RT: 15.62 min Scan# 2259

Delta R.T. -0.01 min

Lab File: BF106448.D

Acq: 14 Jun 2018 17:57

Instrument :

BNA_F

ClientSampleId :

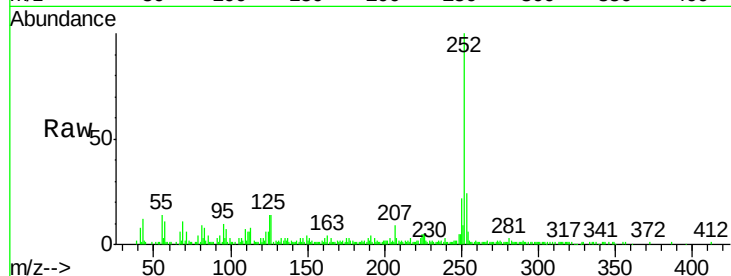
Tot Ion:252 Resp: 80071

Ion Ratio Lower Upper

252 100

253 23.6 17.1 25.7

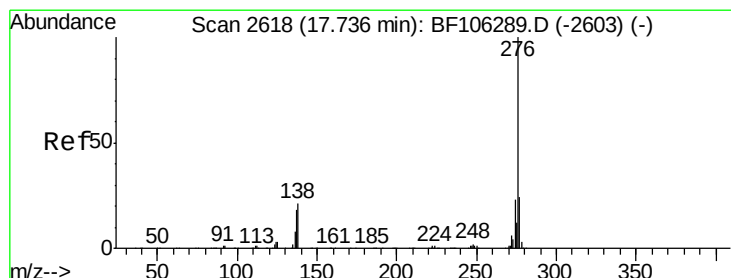
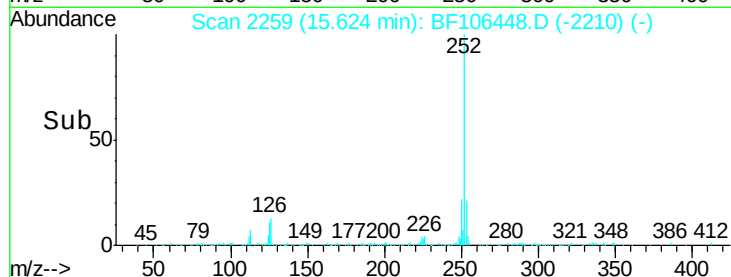
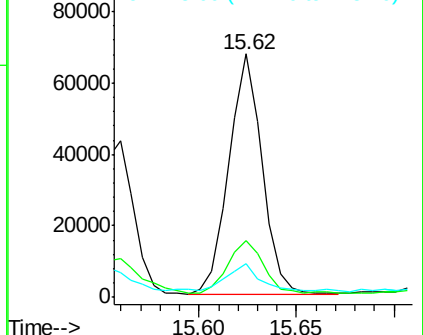
125 13.9 9.8 14.6



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



#91

Benzo(g,h,i)perylene

Concen: 3.824 ng

RT: 17.72 min Scan# 2616

Delta R.T. -0.02 min

Lab File: BF106448.D

Acq: 14 Jun 2018 17:57

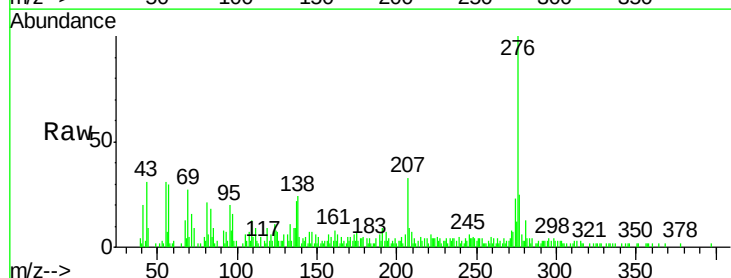
Tgt Ion:276 Resp: 40609

Ion Ratio Lower Upper

276 100

277 25.0 17.9 26.9

138 23.5 21.8 32.8



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

