

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061418\
 Data File : BF106447.D
 Acq On : 14 Jun 2018 17:30
 Operator : JU/SJ
 Sample : J3241-07 5X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 14 18:43:03 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

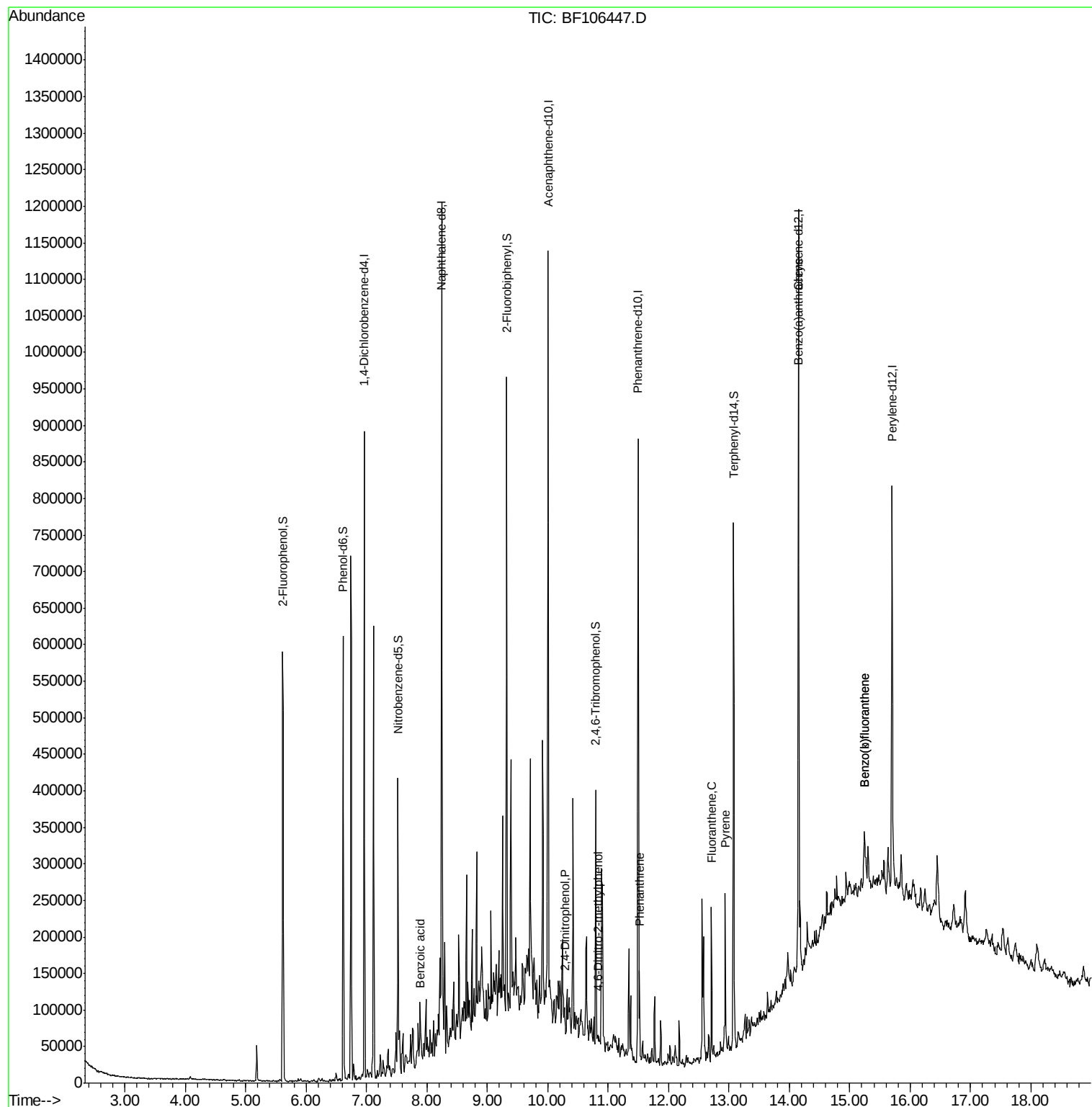
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	117343	20.00	ng	0.00
21) Naphthalene-d8	8.25	136	447148	20.00	ng	0.00
38) Acenaphthene-d10	10.01	164	183238	20.00	ng	0.00
63) Phenanthrene-d10	11.49	188	300578	20.00	ng	0.00
75) Chrysene-d12	14.15	240	344286	20.00	ng	0.00
86) Perylene-d12	15.70	264	266916	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	165289	23.84	ng	0.00
7) Phenol-d6	6.61	99	212273	24.23	ng	0.00
23) Nitrobenzene-d5	7.52	82	124400	16.37	ng	-0.02
41) 2,4,6-Tribromophenol	10.80	330	35356	20.05	ng	-0.01
44) 2-Fluorobiphenyl	9.32	172	232506	12.64	ng	0.00
78) Terphenyl-d14	13.08	244	218788	15.78	ng	-0.01
Target Compounds						
32) Benzoic acid	7.90	122	271	7.338	ng	# 24
53) 2,4-Dinitrophenol	10.29	184	124	8.704	ng	# 1
64) 4,6-Dinitro-2-methylphenol	10.82	198	357	6.486	ng	# 1
70) Phenanthrene	11.52	178	38630	2.624	ng	97
74) Fluoranthene	12.71	202	70624	4.499	ng	97
77) Pyrene	12.94	202	69993	3.247	ng	98
80) Benzo(a)anthracene	14.14	228	42417	2.070	ng	97
87) Benzo(b)fluoranthene	15.24	252	54690	3.390	ng	# 90
88) Benzo(k)fluoranthene	15.24	252	54690	3.423	ng	93

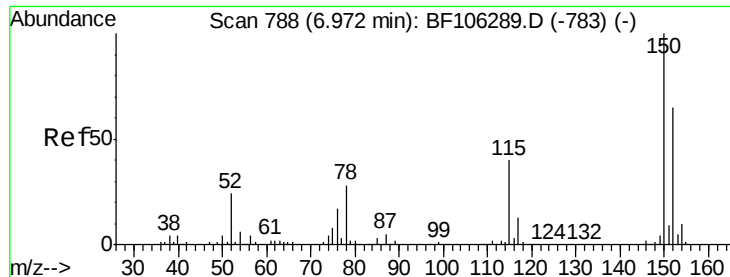
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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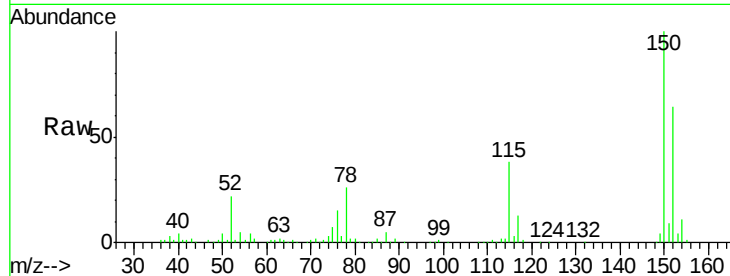


#1

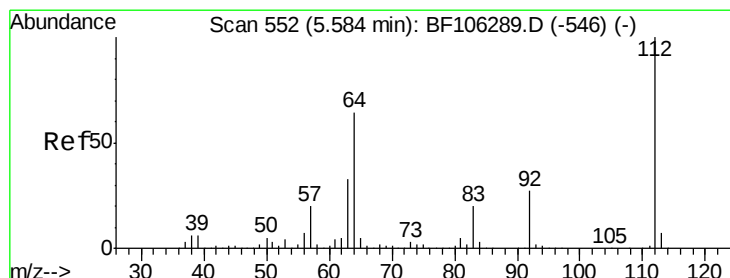
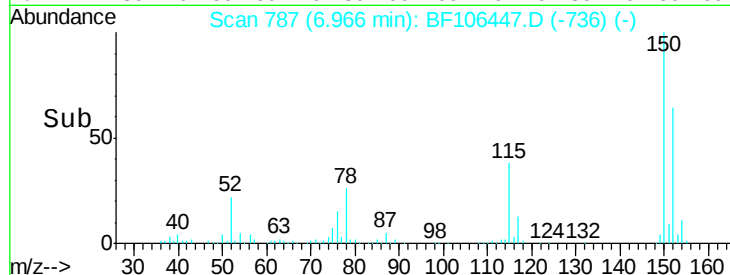
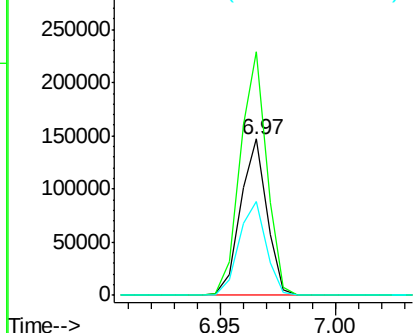
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 787
Delta R.T. -0.00 min
Lab File: BF106447.D
Acq: 14 Jun 2018 17:30

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 117343
Ion Ratio Lower Upper
152 100
150 155.6 124.6 186.8
115 59.6 50.1 75.1



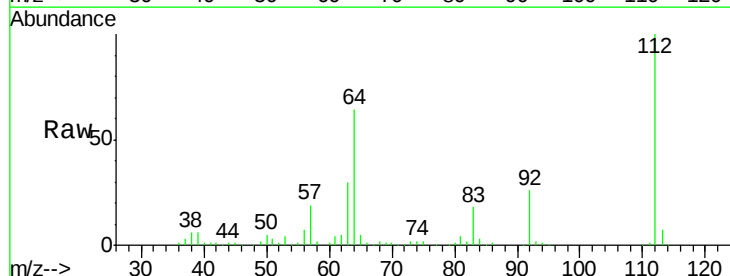
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



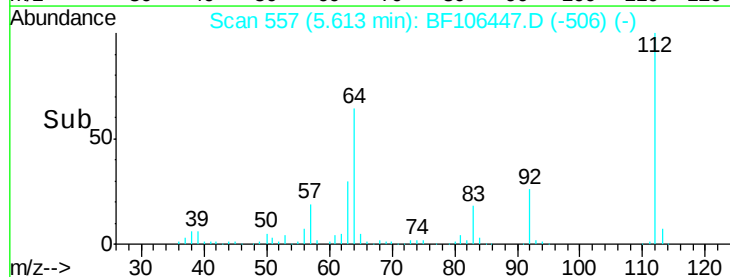
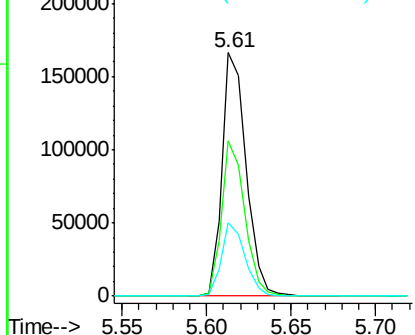
#5

2-Fluorophenol
Concen: 23.840 ng
RT: 5.61 min Scan# 557
Delta R.T. -0.00 min
Lab File: BF106447.D
Acq: 14 Jun 2018 17:30

Tgt Ion:112 Resp: 165289
Ion Ratio Lower Upper
112 100
64 63.9 47.9 71.9
63 30.1 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: 24.234 ng

RT: 6.61 min Scan# 727

Delta R.T. -0.00 min

Lab File: BF106447.D

Acq: 14 Jun 2018 17:30

Instrument :

BNA_F

ClientSampleId :

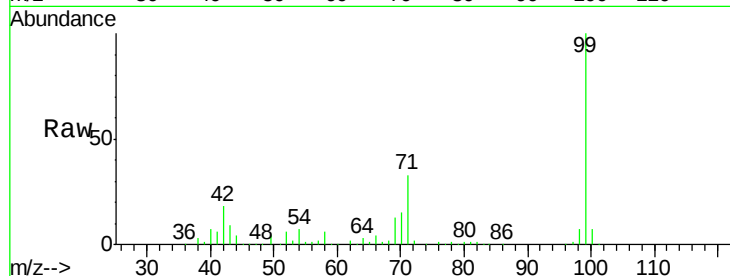
Tot Ion: 99 Resp: 212273

Ion Ratio Lower Upper

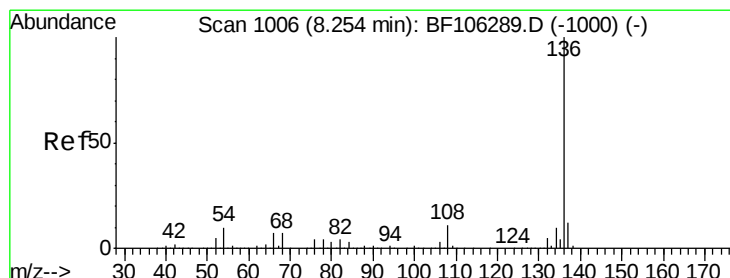
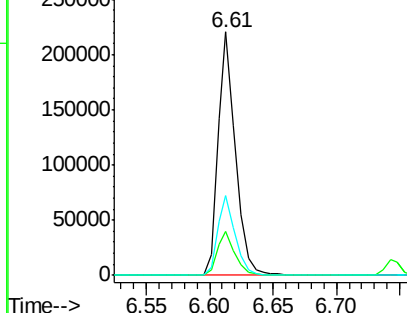
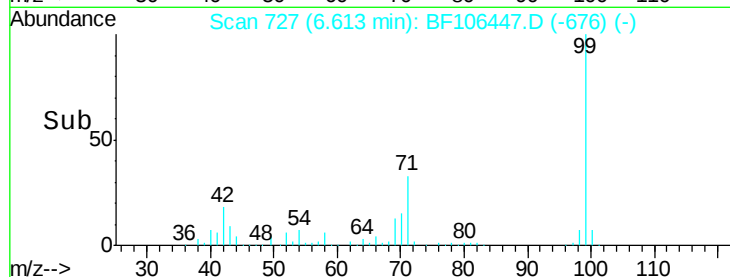
99 100

42 17.9 14.5 21.7

71 32.9 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: BF106447.D

Acq: 14 Jun 2018 17:30

Tgt Ion: 136 Resp: 447148

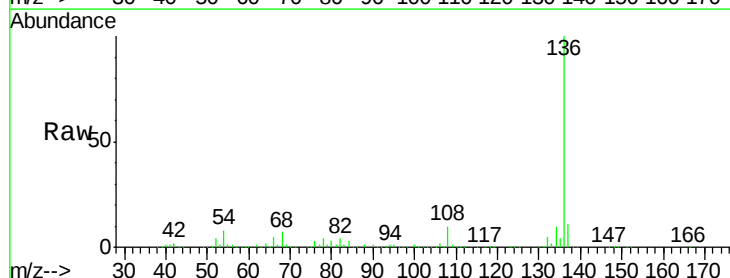
Ion Ratio Lower Upper

136 100

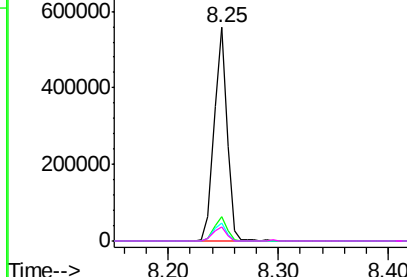
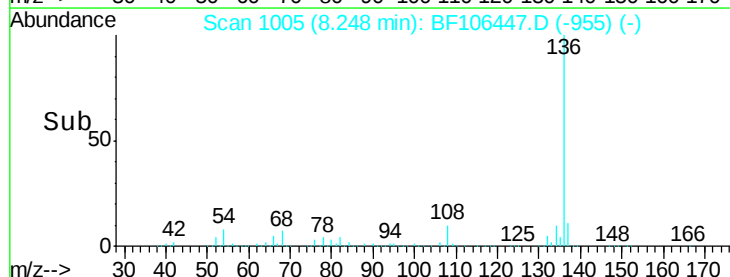
137 11.2 8.9 13.3

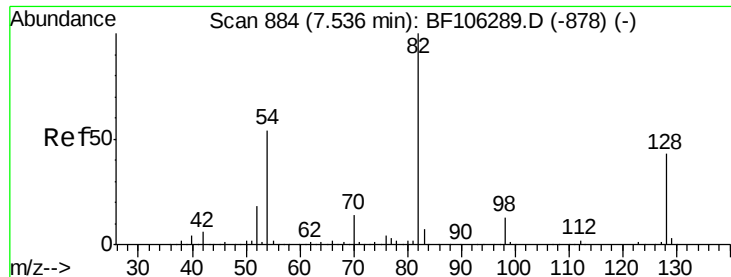
54 8.4 6.6 9.8

68 6.7 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

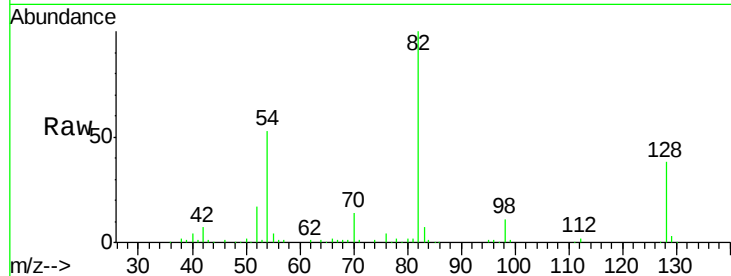




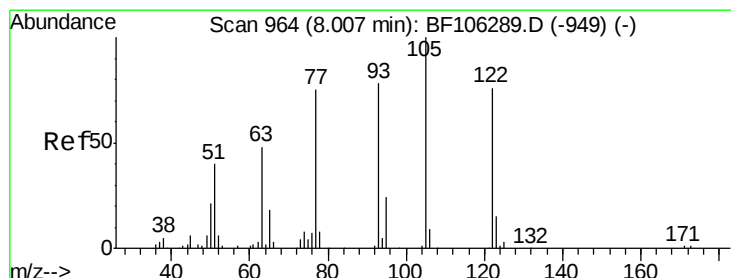
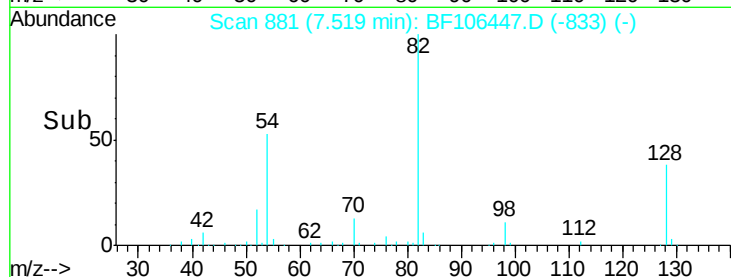
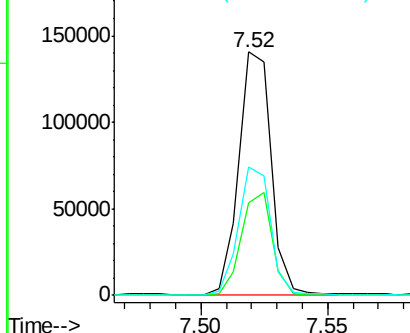
#23
 Nitrobenzene-d5
 Concen: 16.367 ng
 RT: 7.52 min Scan# 881
 Delta R.T. -0.02 min
 Lab File: BF106447.D
 Acq: 14 Jun 2018 17:30

Instrument :
 BNA_F
 ClientSampled :

Tot Ion: 82 Resp: 124400
 Ion Ratio Lower Upper
 82 100
 128 38.2 36.1 54.1
 54 52.7 41.4 62.2

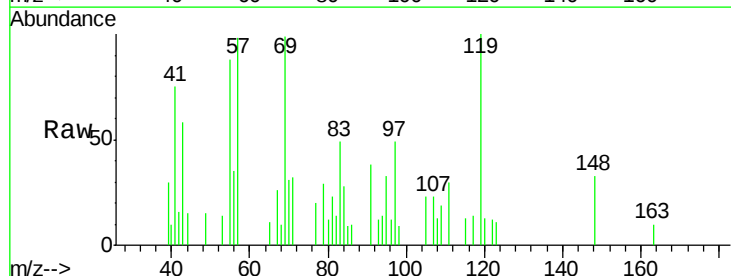


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

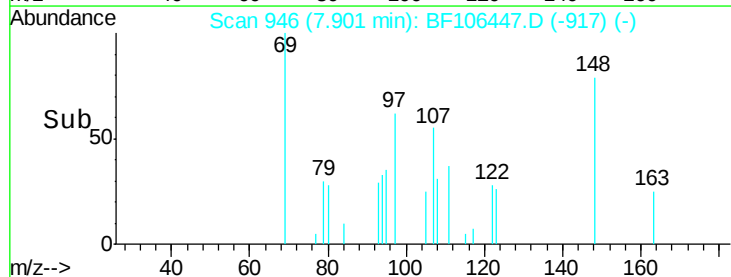
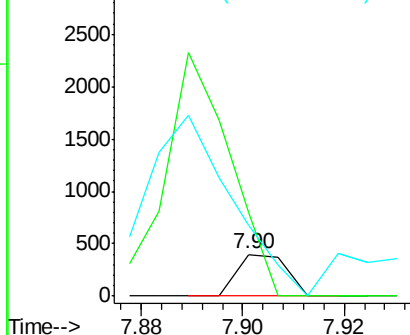


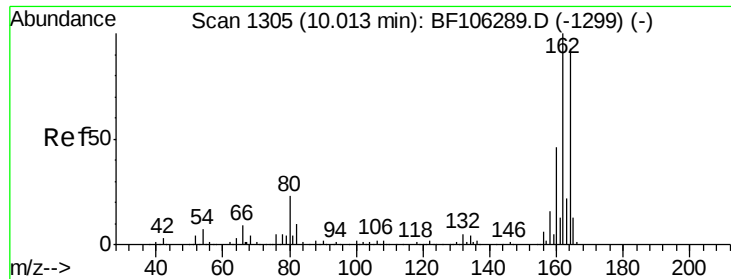
#32
 Benzoic acid
 Concen: 7.338 ng
 RT: 7.90 min Scan# 946
 Delta R.T. -0.13 min
 Lab File: BF106447.D
 Acq: 14 Jun 2018 17:30

Tgt Ion:122 Resp: 271
 Ion Ratio Lower Upper
 122 100
 105 198.7 101.1 141.1#
 77 170.7 70.7 110.7#



Abundance Ion 122.00 (121.70 to 122.70): BF1
 Ion 105.00 (104.70 to 105.70): BF1
 Ion 77.00 (76.70 to 77.70): BF1

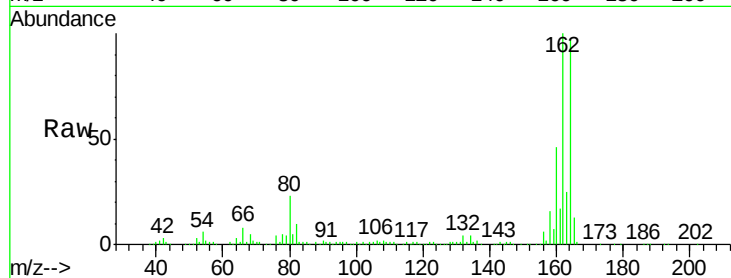




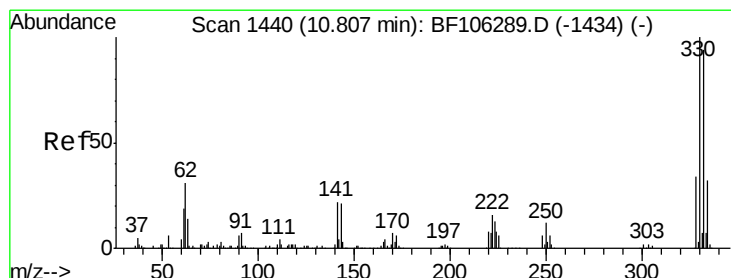
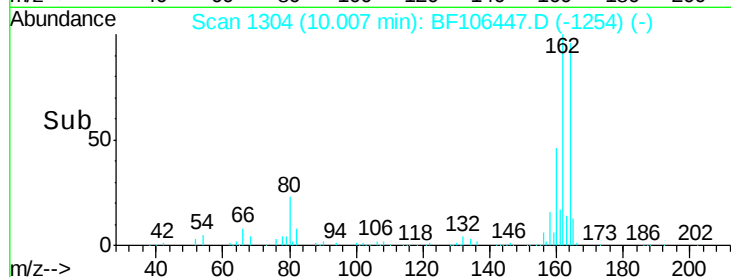
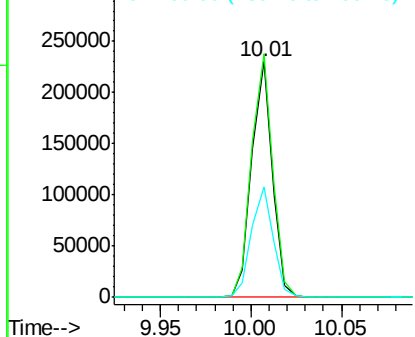
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.01 min Scan# 1304
Delta R.T. -0.01 min
Lab File: BF106447.D
Acq: 14 Jun 2018 17:30

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 183238
Ion Ratio Lower Upper
164 100
162 103.3 86.1 129.1
160 47.0 38.3 57.5

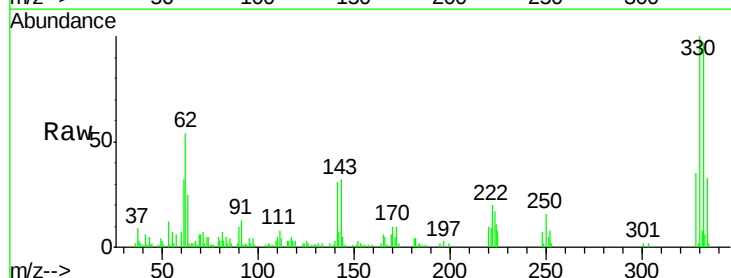


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

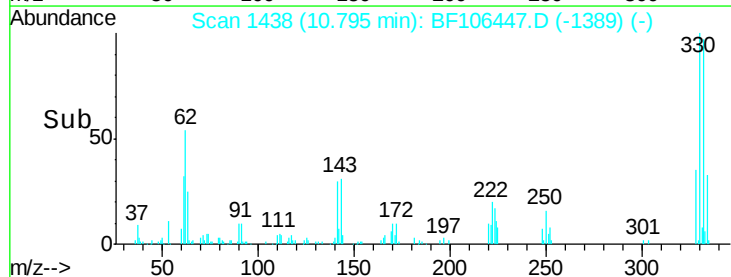
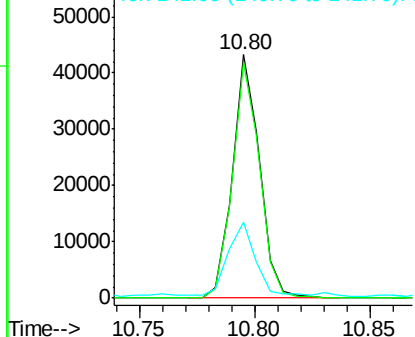


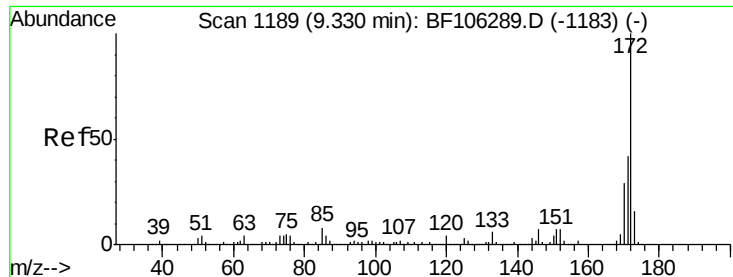
#41
2,4,6-Tribromophenol
Concen: 20.054 ng
RT: 10.80 min Scan# 1438
Delta R.T. -0.01 min
Lab File: BF106447.D
Acq: 14 Jun 2018 17:30

Tgt Ion:330 Resp: 35356
Ion Ratio Lower Upper
330 100
332 97.0 77.0 115.6
141 29.9 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

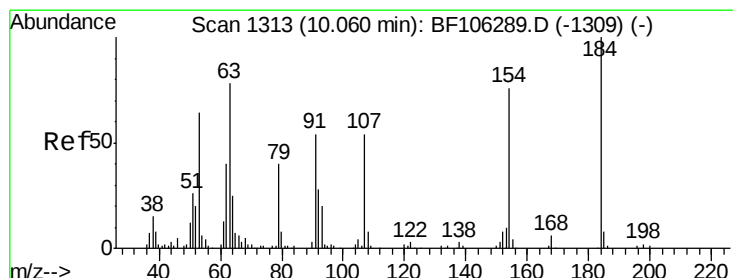
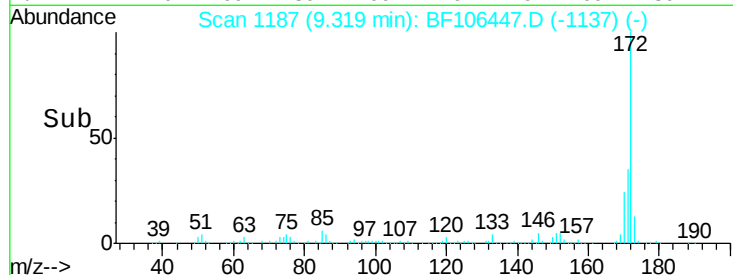
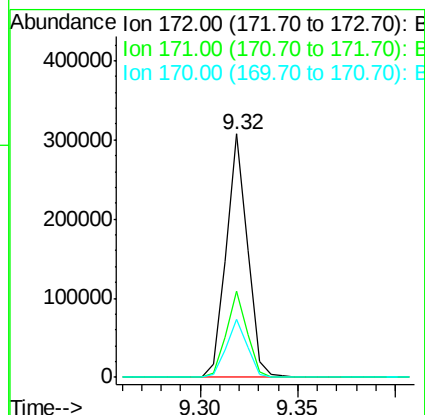
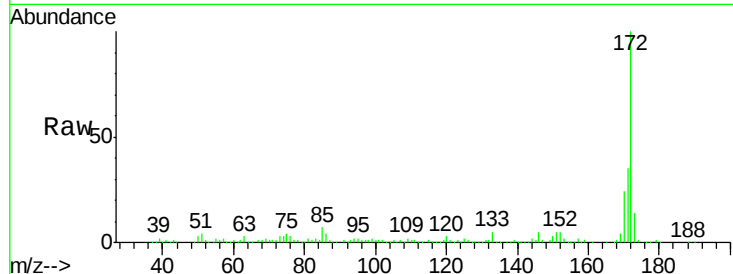




#44
2-Fluorobiphenyl
Concen: 12.640 ng
RT: 9.32 min Scan# 1187
Delta R.T. -0.01 min
Lab File: BF106447.D
Acq: 14 Jun 2018 17:30

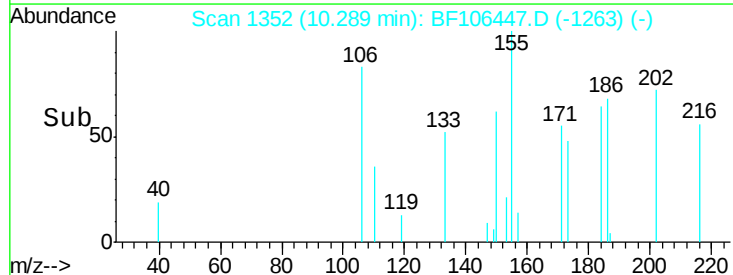
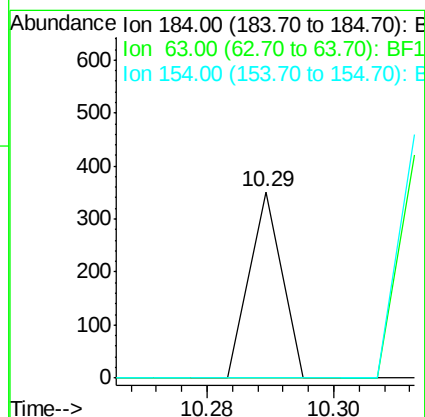
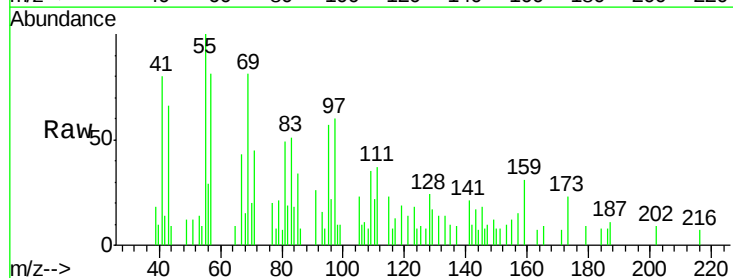
Instrument :
BNA_F
ClientSampleId :

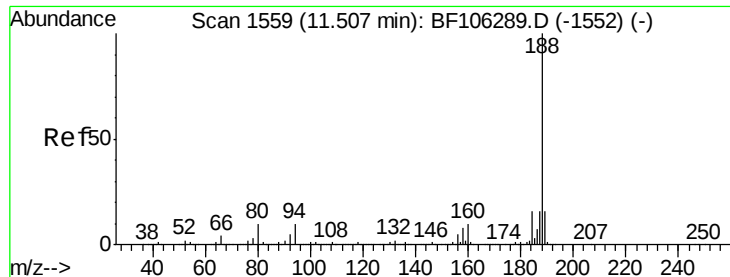
Tot Ion	Ratio	Lower	Upper
172	100		
171	35.3	29.7	44.5
170	23.9	19.6	29.4



#53
2,4-Dinitrophenol
Concen: 8.704 ng
RT: 10.29 min Scan# 1352
Delta R.T. 0.22 min
Lab File: BF106447.D
Acq: 14 Jun 2018 17:30

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

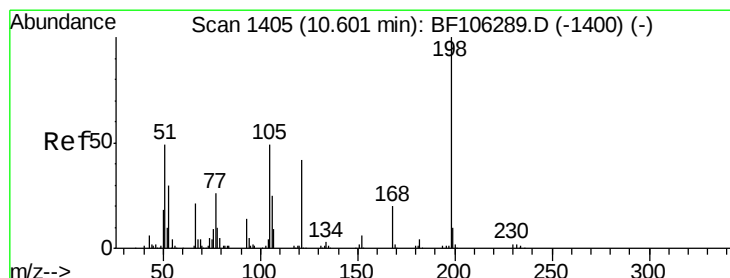
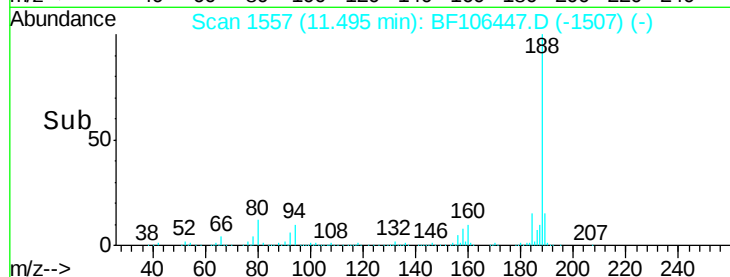
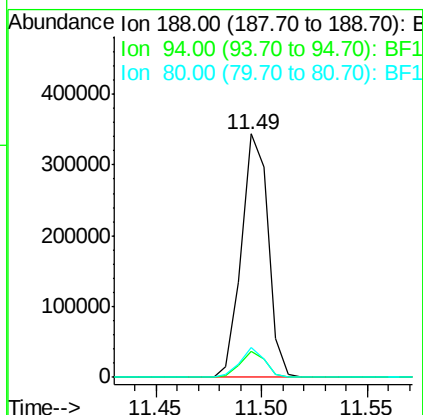
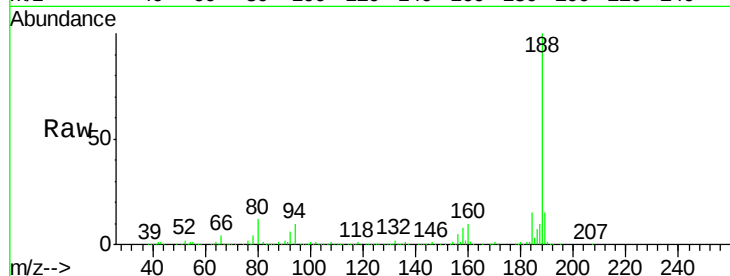




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.49 min Scan# 1557
Delta R.T. -0.01 min
Lab File: BF106447.D
Acq: 14 Jun 2018 17:30

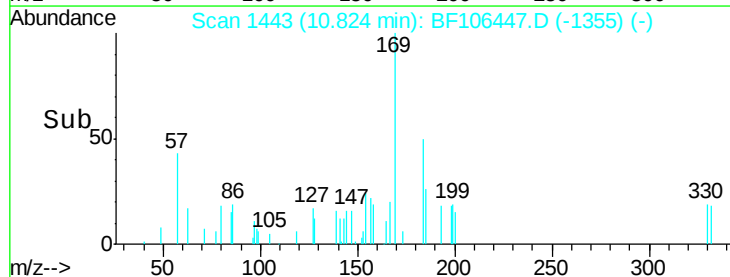
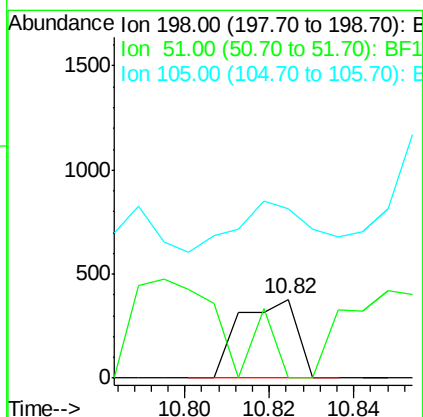
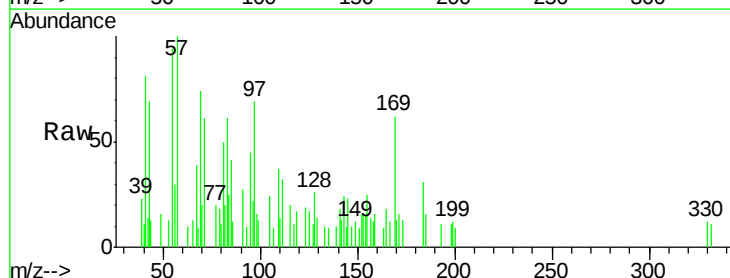
Instrument :
BNA_F
ClientSampleId :

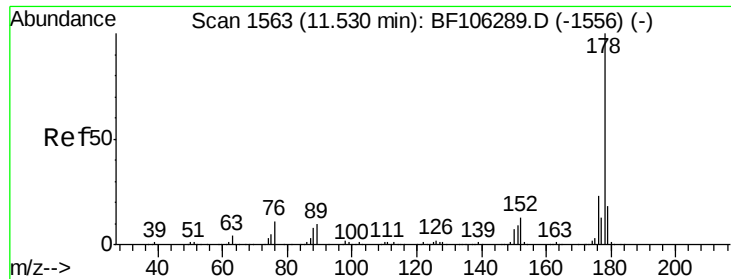
Tot Ion:188 Resp: 300578
Ion Ratio Lower Upper
188 100
94 10.4 8.5 12.7
80 12.2 9.2 13.8



#64
4,6-Dinitro-2-methylphenol
Concen: 6.486 ng
RT: 10.82 min Scan# 1443
Delta R.T. 0.22 min
Lab File: BF106447.D
Acq: 14 Jun 2018 17:30

Tgt Ion:198 Resp: 357
Ion Ratio Lower Upper
198 100
51 0.0 37.7 77.7#
105 214.7 36.3 76.3#





#70

Phenanthrene

Concen: 2.624 ng

RT: 11.52 min Scan# 1561

Delta R.T. -0.01 min

Lab File: BF106447.D

Acq: 14 Jun 2018 17:30

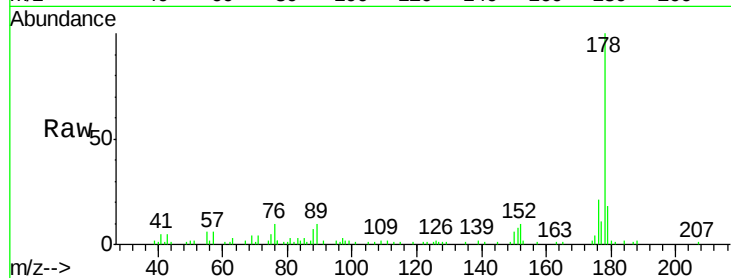
Instrument :

BNA_F

ClientSampleId :

Tot Ion:178 Resp: 38630

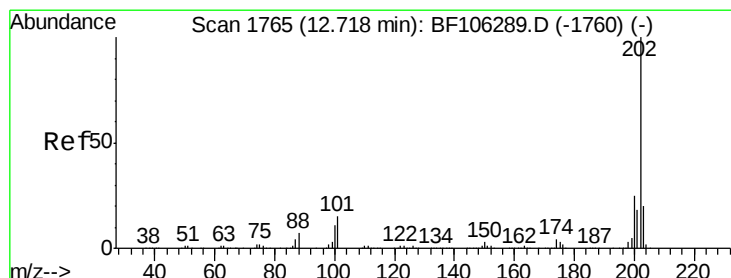
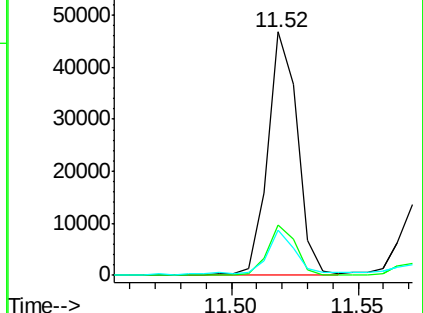
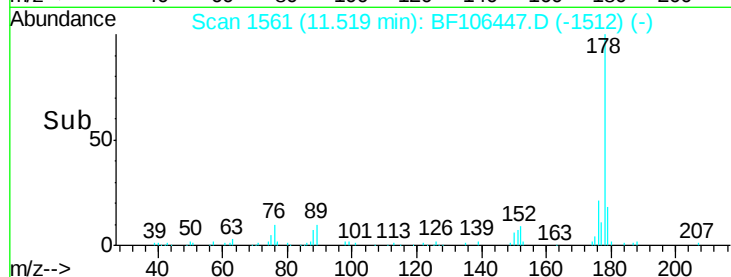
Ion	Ratio	Lower	Upper
178	100		
176	20.9	15.8	23.8
179	18.3	13.0	19.6



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: 4.499 ng

RT: 12.71 min Scan# 1764

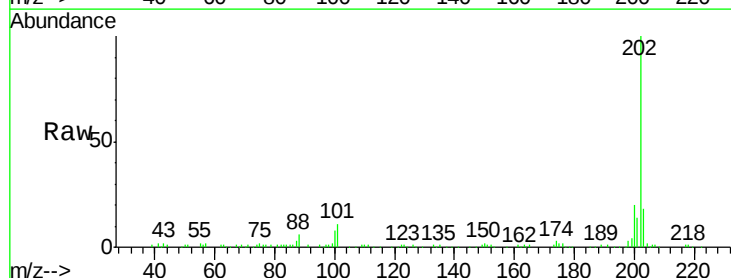
Delta R.T. -0.01 min

Lab File: BF106447.D

Acq: 14 Jun 2018 17:30

Tgt Ion:202 Resp: 70624

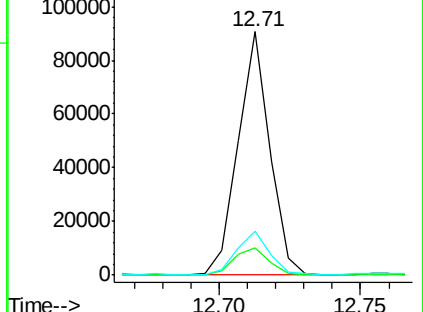
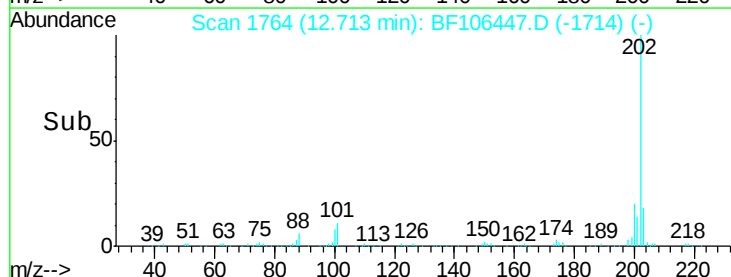
Ion	Ratio	Lower	Upper
202	100		
101	11.1	0.0	34.1
203	18.0	0.0	38.1

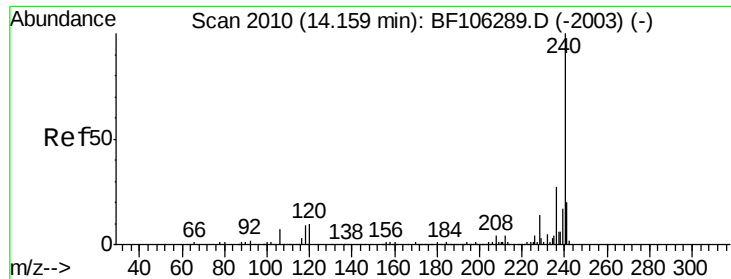


Abundance Ion 202.00 (201.70 to 202.70): E

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: BF106447.D

Acq: 14 Jun 2018 17:30

Instrument :

BNA_F

ClientSampled :

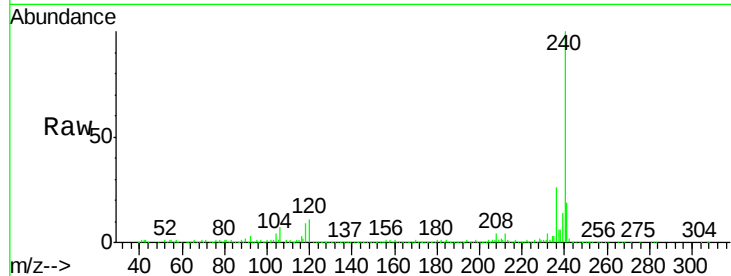
Tot Ion:240 Resp: 344286

Ion Ratio Lower Upper

240 100

120 10.9 9.5 14.3

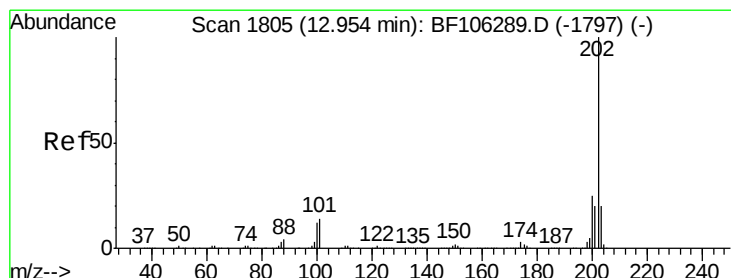
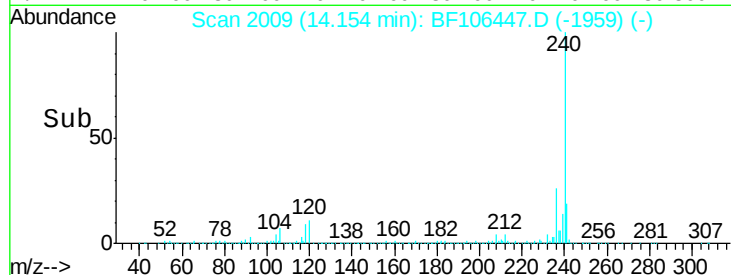
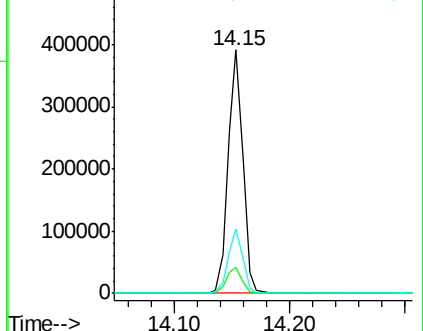
236 26.3 20.7 31.1



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

Pyrene

Concen: 3.247 ng

RT: 12.94 min Scan# 1803

Delta R.T. -0.01 min

Lab File: BF106447.D

Acq: 14 Jun 2018 17:30

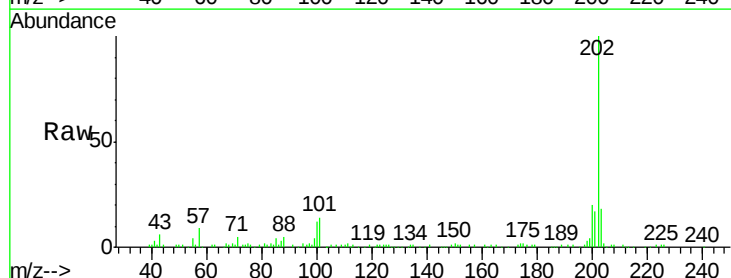
Tgt Ion:202 Resp: 69993

Ion Ratio Lower Upper

202 100

200 20.2 17.4 26.2

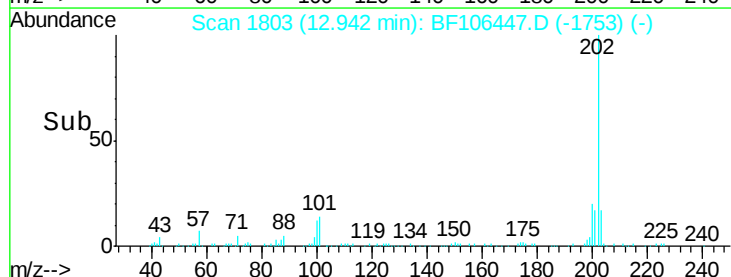
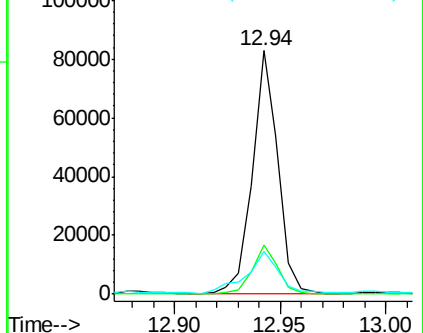
203 17.5 14.3 21.5

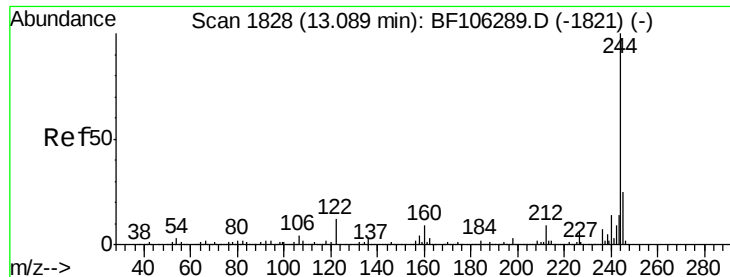


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 15.784 ng

RT: 13.08 min Scan# 1826

Delta R.T. -0.01 min

Lab File: BF106447.D

Acq: 14 Jun 2018 17:30

Instrument :

BNA_F

ClientSampleId :

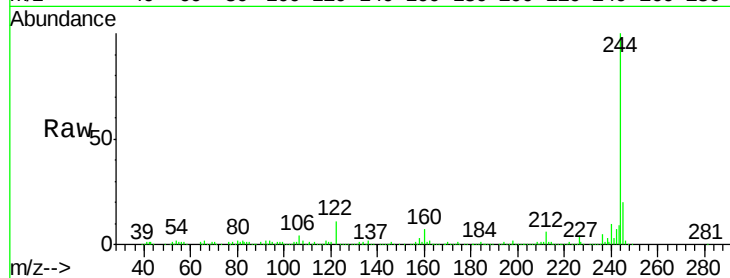
Tot Ion:244 Resp: 218788

Ion Ratio Lower Upper

244 100

212 6.3 5.4 8.0

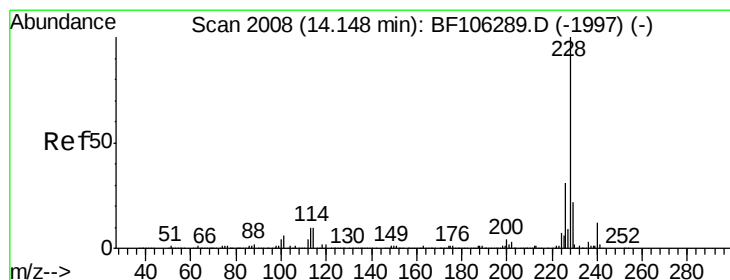
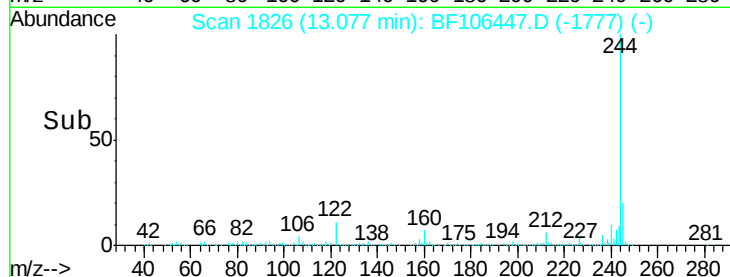
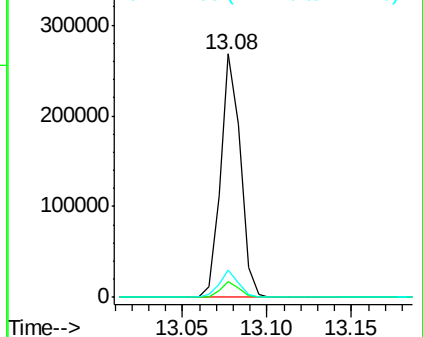
122 11.4 11.0 16.4



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



#80

Benzo(a)anthracene

Concen: 2.070 ng

RT: 14.14 min Scan# 2007

Delta R.T. -0.01 min

Lab File: BF106447.D

Acq: 14 Jun 2018 17:30

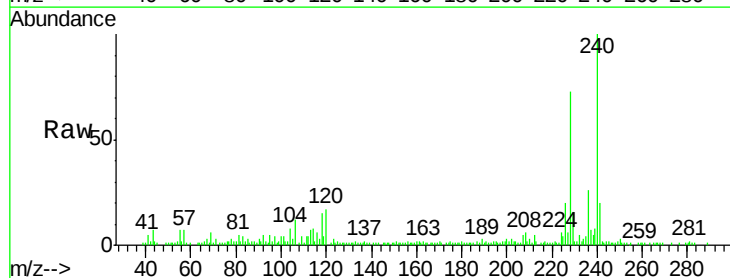
Tgt Ion:228 Resp: 42417

Ion Ratio Lower Upper

228 100

226 27.6 22.6 33.8

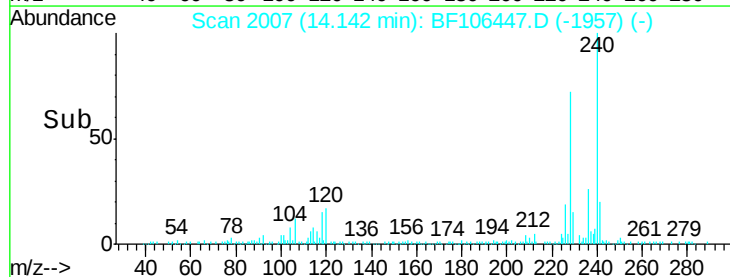
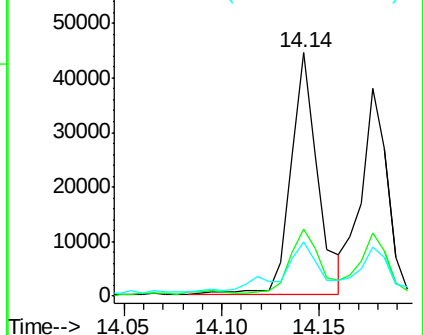
229 22.1 15.8 23.6

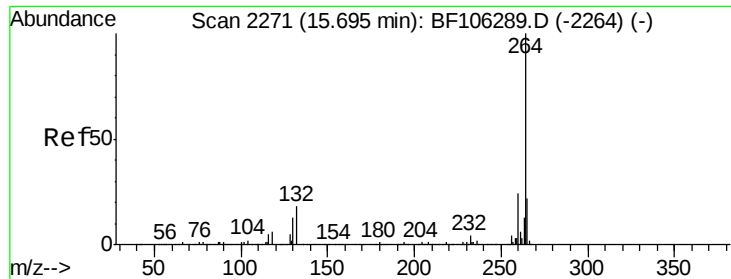


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



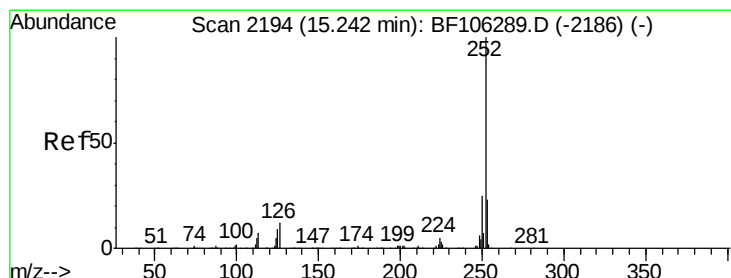
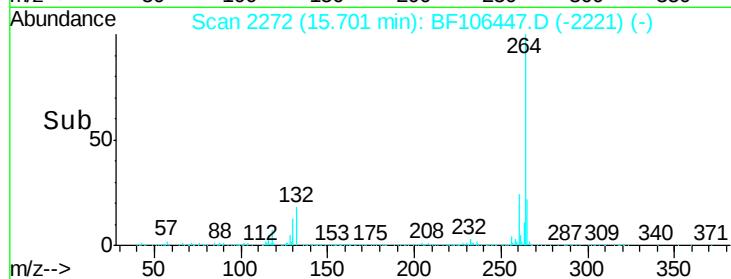
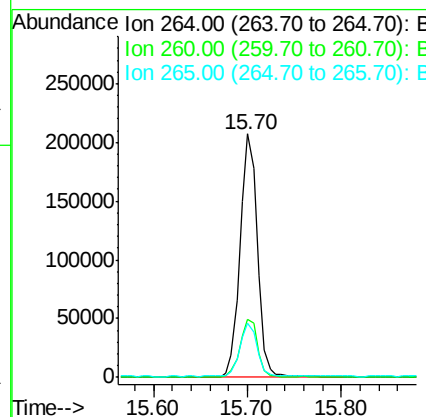
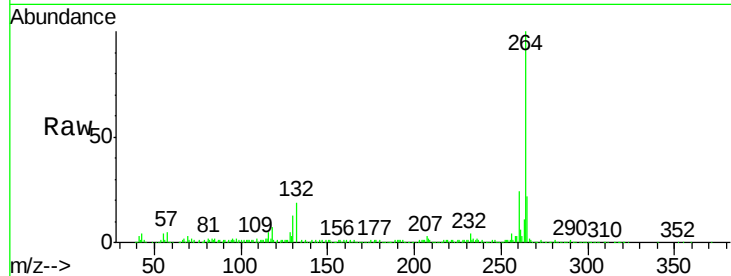


#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.70 min Scan# 2272
Delta R.T. -0.00 min
Lab File: BF106447.D
Acq: 14 Jun 2018 17:30

Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 266916

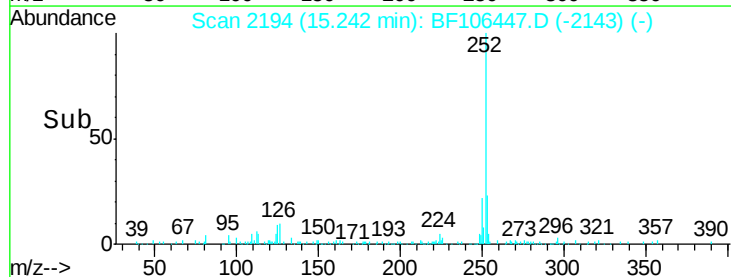
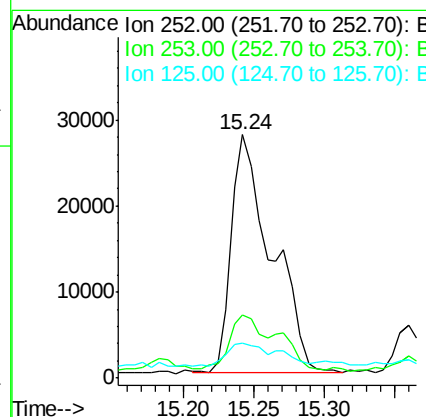
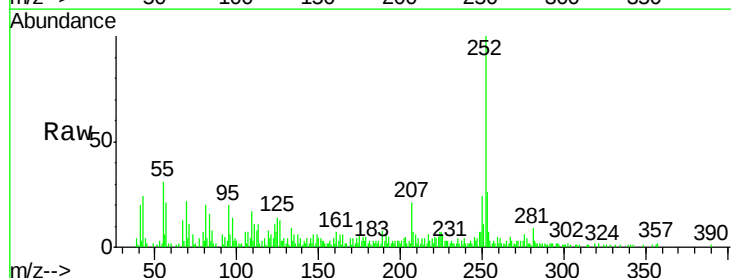
Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.2	28.8
265	22.2	17.5	26.3

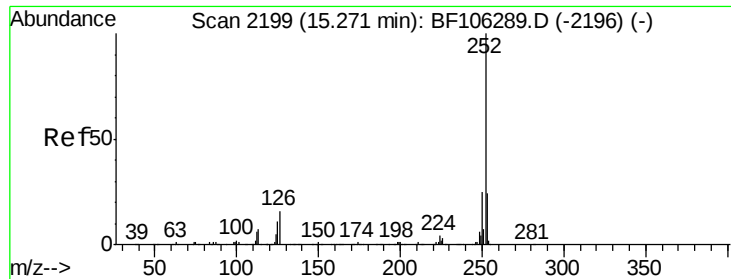


#87
Benzo(b)fluoranthene
Concen: 3.390 ng
RT: 15.24 min Scan# 2194
Delta R.T. -0.00 min
Lab File: BF106447.D
Acq: 14 Jun 2018 17:30

Tgt Ion:252 Resp: 54690

Ion	Ratio	Lower	Upper
252	100		
253	26.1	17.0	25.6#
125	14.4	9.0	13.6#

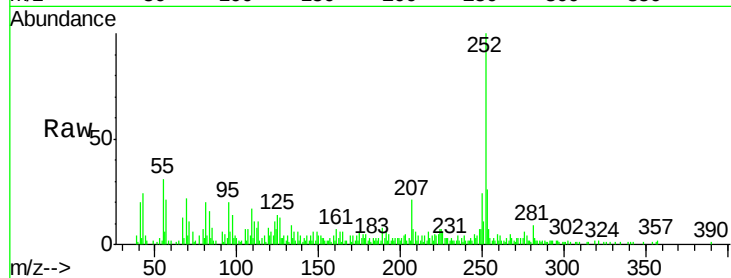




#88
 Benzo(k)fluoranthene
 Concen: 3.423 ng
 RT: 15.24 min Scan# 2194
 Delta R.T. -0.04 min
 Lab File: BF106447.D
 Acq: 14 Jun 2018 17:30

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	26.1	17.9	26.9
125	14.4	10.2	15.2



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

