

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF071218\
 Data File : BF107353.D
 Acq On : 12 Jul 2018 21:33
 Operator : JU/SJ
 Sample : J3933-07
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EP-7-N2

Quant Time: Jul 13 02:37:44 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 11 16:39:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.93	152	54042	20.00	ng	0.00
21) Naphthalene-d8	8.21	136	183650	20.00	ng	0.00
38) Acenaphthene-d10	9.98	164	77545	20.00	ng	0.00
63) Phenanthrene-d10	11.47	188	150408	20.00	ng	0.00
75) Chrysene-d12	14.13	240	157394	20.00	ng	-0.01
86) Perylene-d12	15.67	264	111293	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.58	112	360239	112.88	ng	0.01
7) Phenol-d6	6.58	99	429782	107.84	ng	0.00
23) Nitrobenzene-d5	7.50	82	263595	79.77	ng	0.00
41) 2,4,6-Tribromophenol	10.78	330	100919	112.29	ng	0.00
44) 2-Fluorobiphenyl	9.29	172	440988	98.62	ng	0.00
78) Terphenyl-d14	13.06	244	510968	78.64	ng	0.00

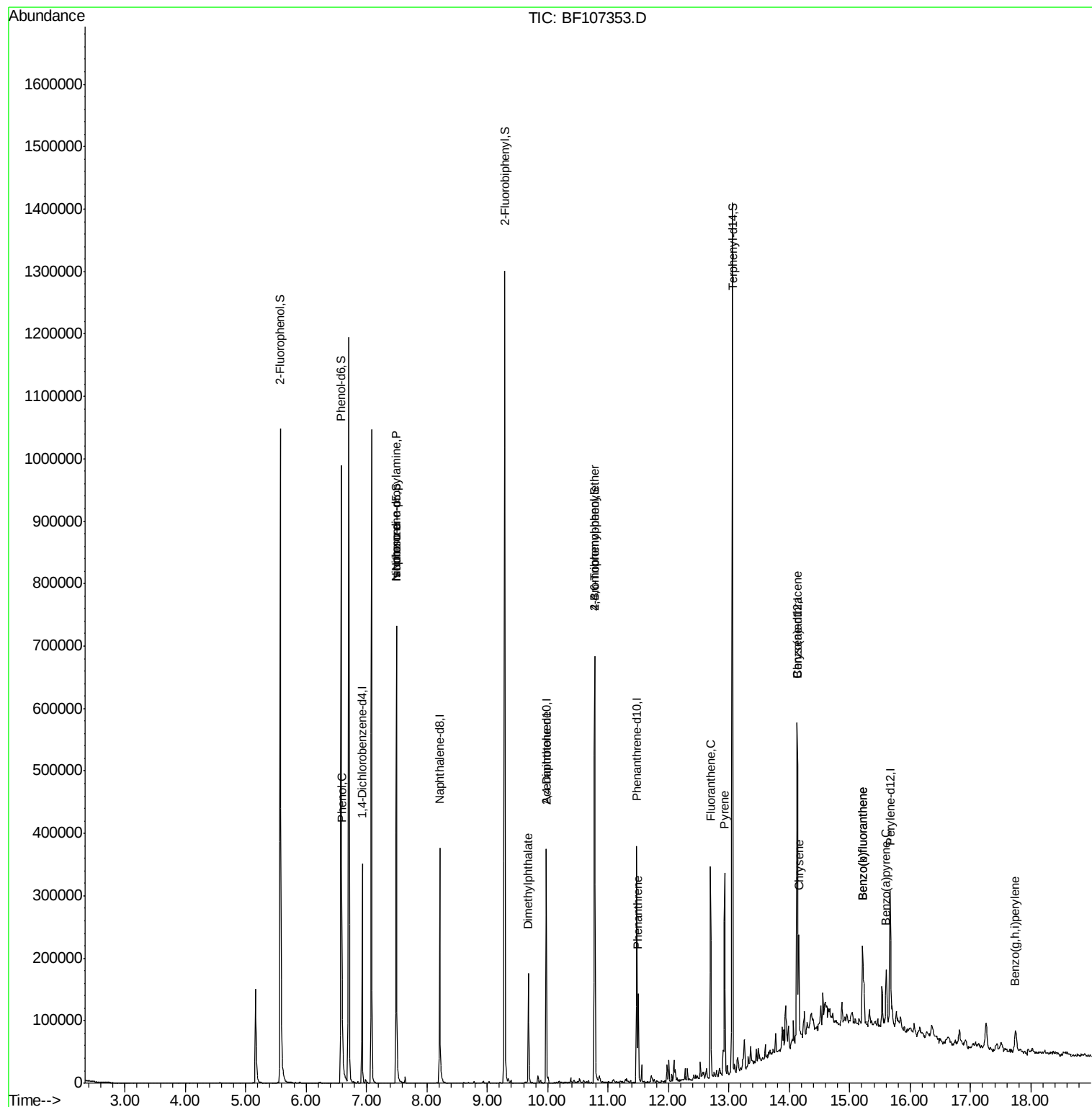
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.60	94	12121	2.665	ng	80
19) n-Nitroso-di-n-propylamine	7.50	70	33897	12.903	ng	# 72
25) Isophorone	7.50	82	263595	45.266	ng	# 64
49) Dimethylphthalate	9.68	163	74432	12.798	ng	99
56) 2,4-Dinitrotoluene	9.98	165	9851	6.128	ng	# 21
66) 4-Bromophenyl-phenylether	10.78	248	6117	3.408	ng	# 1
70) Phenanthrene	11.50	178	59769	8.239	ng	97
74) Fluoranthene	12.70	202	130859	16.366	ng	95
77) Pyrene	12.93	202	131466	12.666	ng	99
80) Benzo(a)anthracene	14.12	228	72794	7.588	ng	98
82) Chrysene	14.16	228	67899	7.694	ng	98
87) Benzo(b)fluoranthene	15.21	252	92346	13.357	ng	98
88) Benzo(k)fluoranthene	15.21	252	92346	14.027	ng	98
89) Benzo(a)pyrene	15.60	252	47326	7.700	ng	97
91) Benzo(g,h,i)perylene	17.75	276	28843	5.666	ng	92

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

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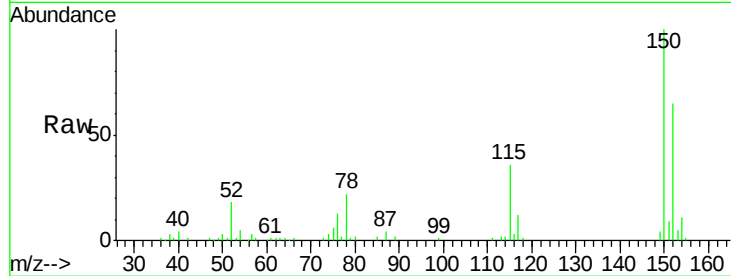


#1

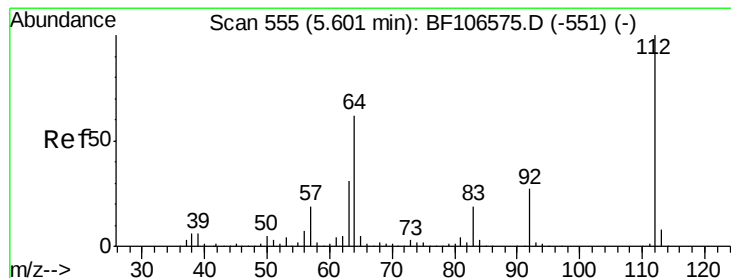
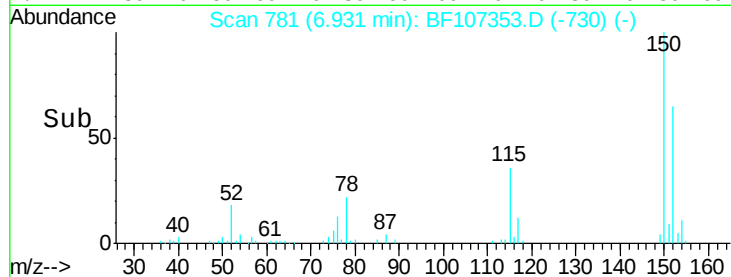
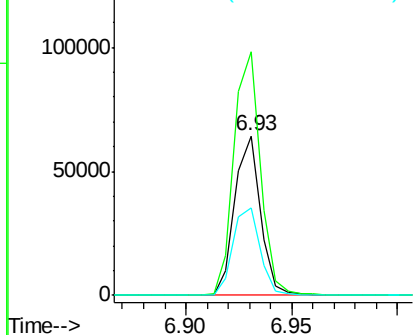
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.93 min Scan# 781
Delta R.T. 0.00 min
Lab File: BF107353.D
Acq: 12 Jul 2018 21:33

Instrument :
BNA_F
ClientSampled :
EP-7-N2

Tgt Ion:152 Resp: 54042
Ion Ratio Lower Upper
152 100
150 152.9 124.6 186.8
115 54.8 50.1 75.1



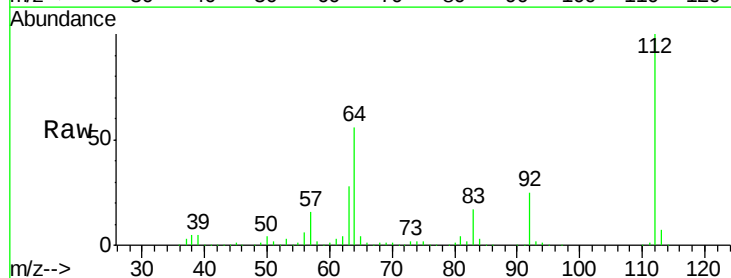
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



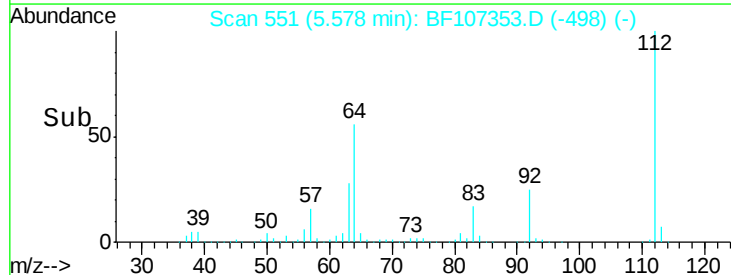
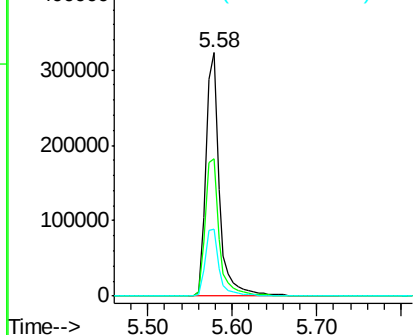
#5

2-Fluorophenol
Concen: 112.875 ng
RT: 5.58 min Scan# 551
Delta R.T. 0.01 min
Lab File: BF107353.D
Acq: 12 Jul 2018 21:33

Tgt Ion:112 Resp: 360239
Ion Ratio Lower Upper
112 100
64 56.2 47.9 71.9
63 27.6 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: 107.835 ng

RT: 6.58 min Scan# 722

Delta R.T. 0.01 min

Lab File: BF107353.D

Acq: 12 Jul 2018 21:33

Instrument :

BNA_F

ClientSampleId :

EP-7-N2

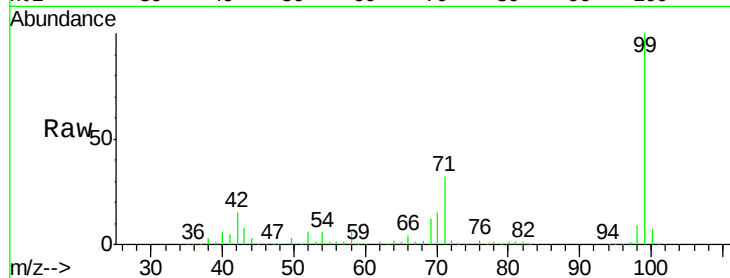
Tgt Ion: 99 Resp: 429782

Ion Ratio Lower Upper

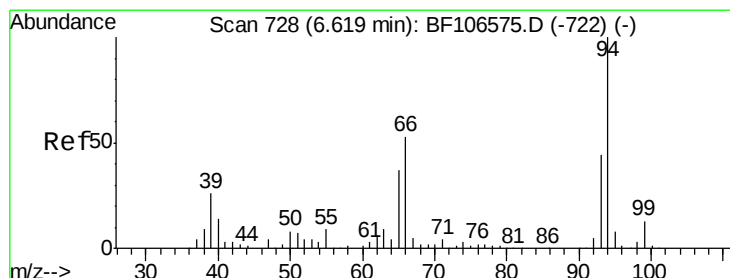
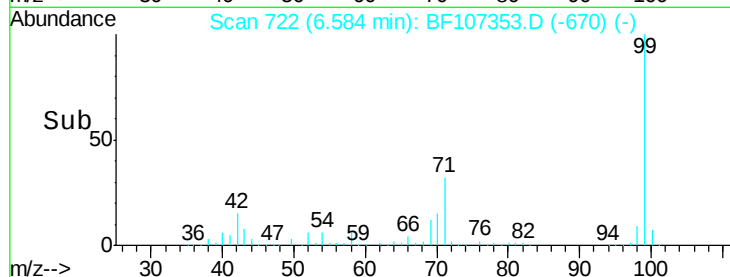
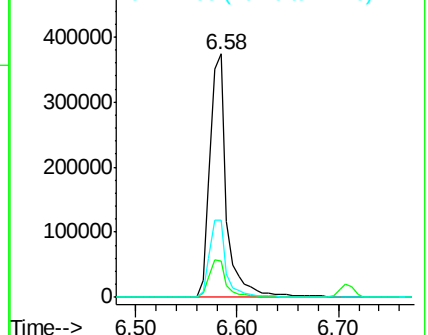
99 100

42 15.1 14.5 21.7

71 31.9 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



#10

Phenol

Concen: 2.665 ng

RT: 6.60 min Scan# 724

Delta R.T. 0.01 min

Lab File: BF107353.D

Acq: 12 Jul 2018 21:33

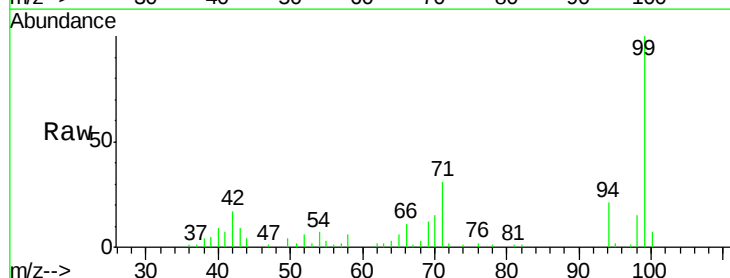
Tgt Ion: 94 Resp: 12121

Ion Ratio Lower Upper

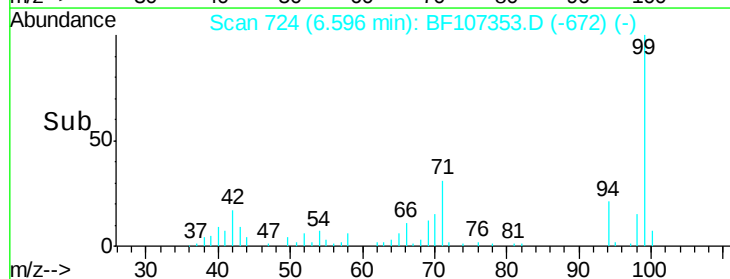
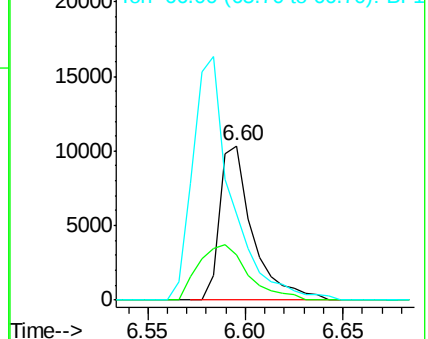
94 100

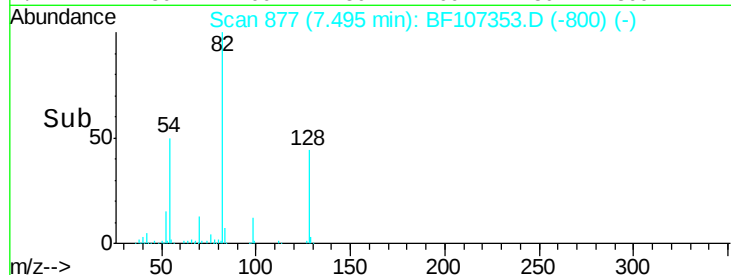
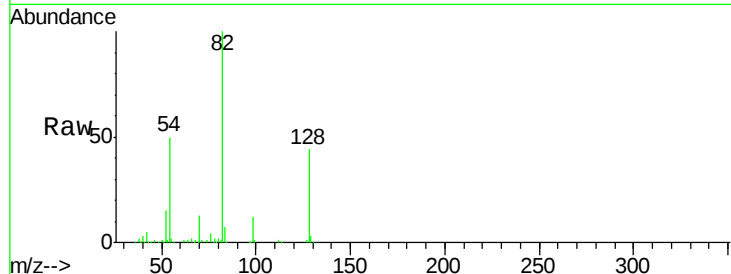
65 29.6 7.9 47.9

66 55.7 16.2 56.2



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1

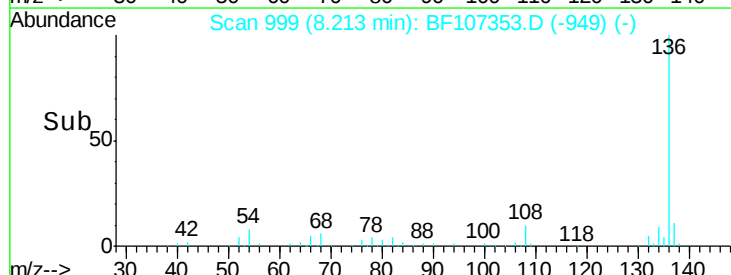
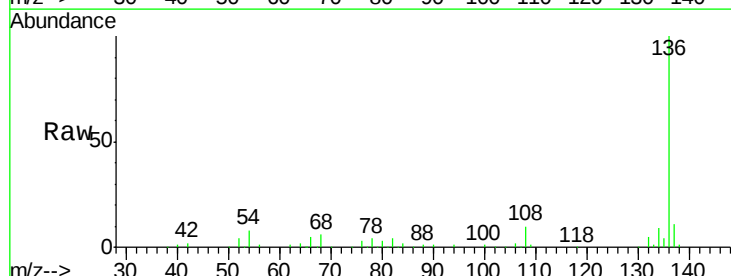
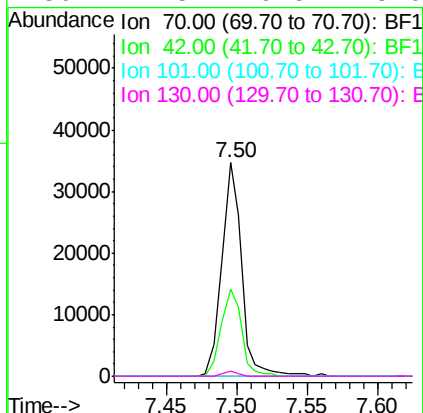




#19
n-Nitroso-di-n-propylamine
Concen: 12.903 ng
RT: 7.50 min Scan# 877
Delta R.T. 0.15 min
Lab File: BF107353.D
Acq: 12 Jul 2018 21:33

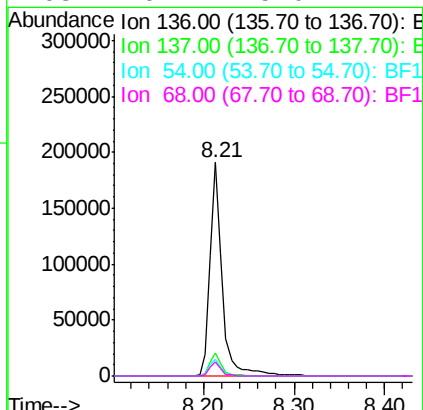
Instrument :
BNA_F
ClientSampleId :
EP-7-N2

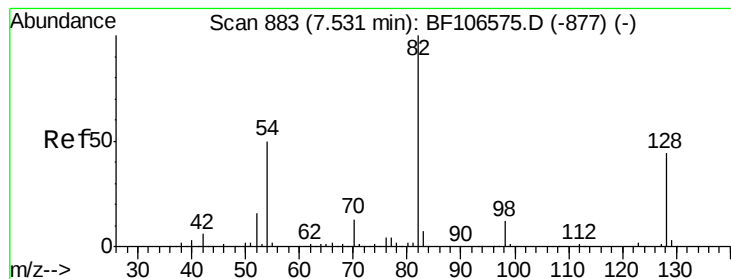
Tgt Ion:	70	Resp:	33897
Ion	Ratio	Lower	Upper
70	100		
42	40.9	47.5	71.3#
101	0.0	7.4	11.2#
130	2.5	16.6	25.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.21 min Scan# 999
Delta R.T. -0.01 min
Lab File: BF107353.D
Acq: 12 Jul 2018 21:33

Tgt Ion:	136	Resp:	183650
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.9	13.3
54	7.9	6.6	9.8
68	6.4	5.0	7.4





#23

Nitrobenzene-d5

Concen: 79.765 ng

RT: 7.50 min Scan# 877

Delta R.T. -0.01 min

Lab File: BF107353.D

Acq: 12 Jul 2018 21:33

Instrument :

BNA_F

ClientSampleId :

EP-7-N2

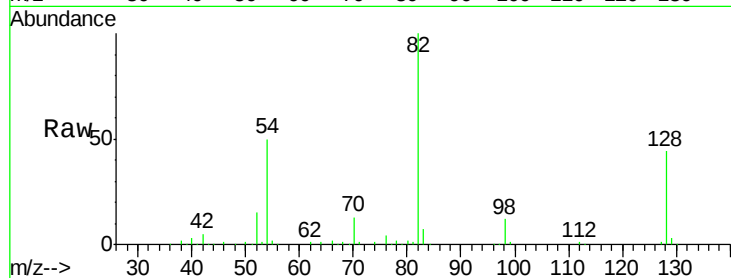
Tgt Ion: 82 Resp: 263595

Ion Ratio Lower Upper

82 100

128 43.9 36.1 54.1

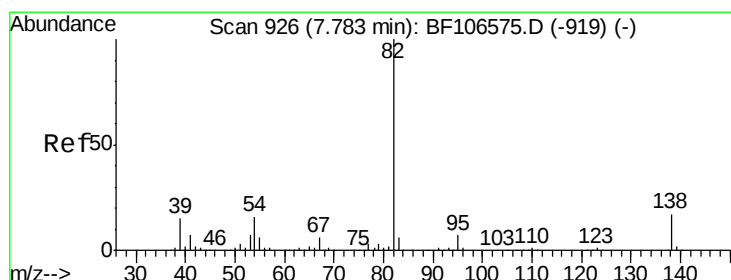
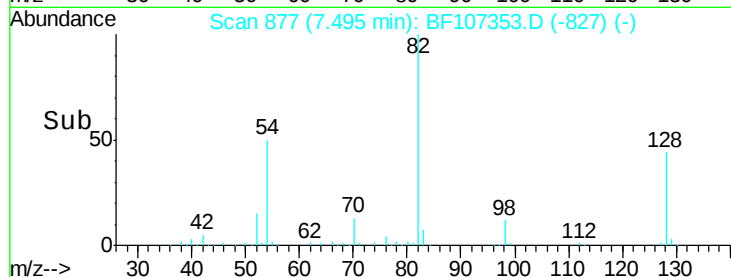
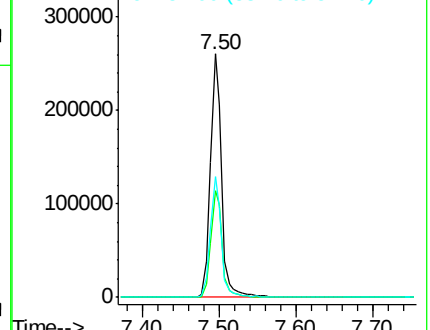
54 49.7 41.4 62.2



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



#25

Isophorone

Concen: 45.266 ng

RT: 7.50 min Scan# 877

Delta R.T. -0.26 min

Lab File: BF107353.D

Acq: 12 Jul 2018 21:33

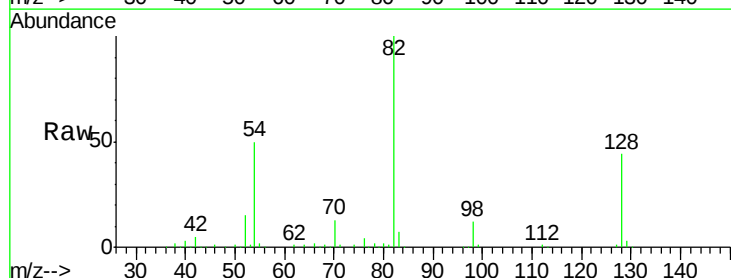
Tgt Ion: 82 Resp: 263595

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

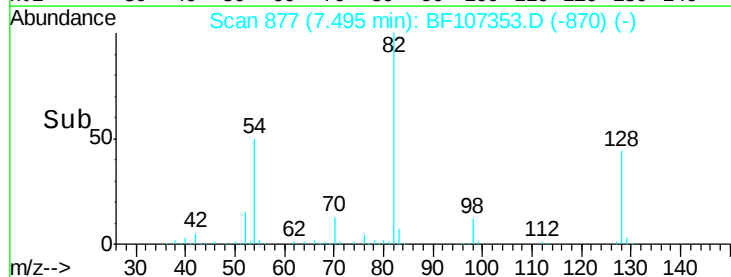
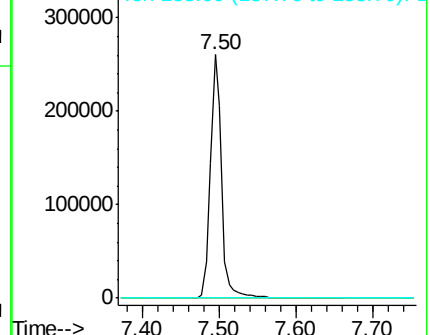
138 0.0 14.9 22.3#

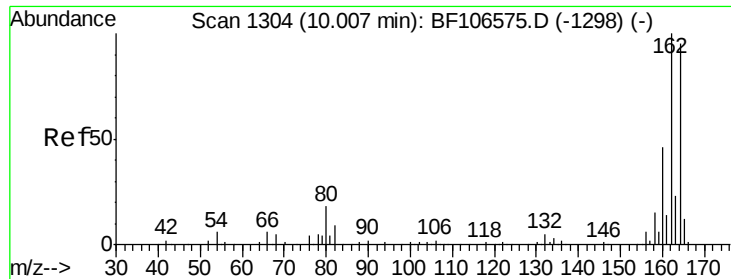


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1

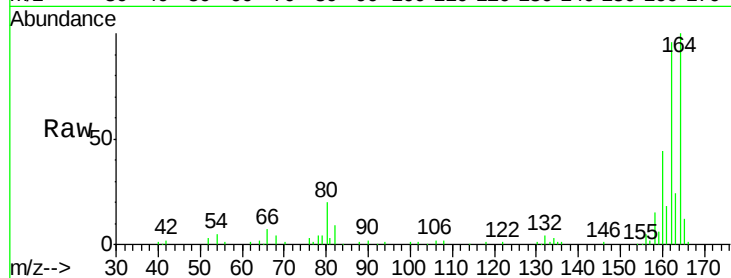




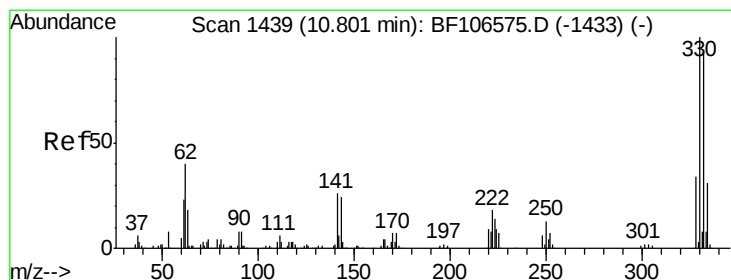
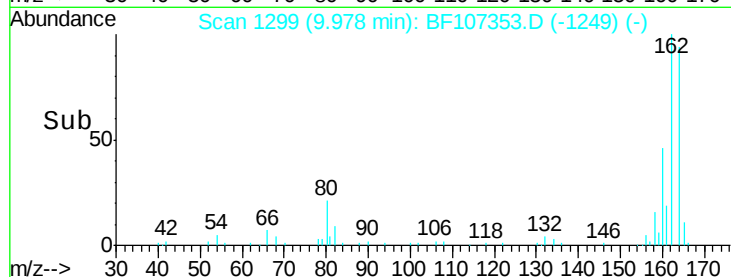
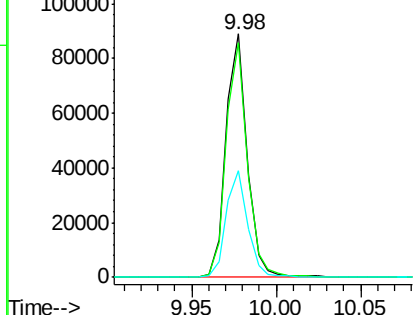
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.98 min Scan# 1299
 Delta R.T. -0.01 min
 Lab File: BF107353.D
 Acq: 12 Jul 2018 21:33

Instrument :
 BNA_F
 ClientSampleId :
 EP-7-N2

Tgt Ion:164 Resp: 77545
 Ion Ratio Lower Upper
 164 100
 162 96.3 86.1 129.1
 160 43.8 38.3 57.5

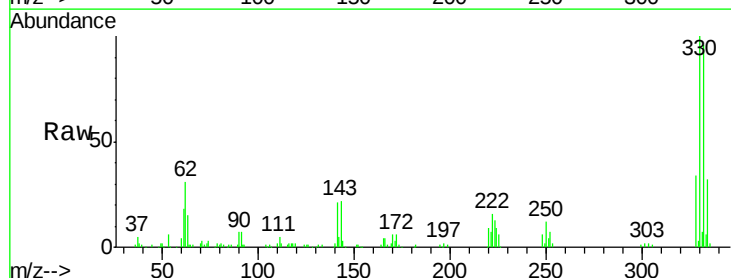


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

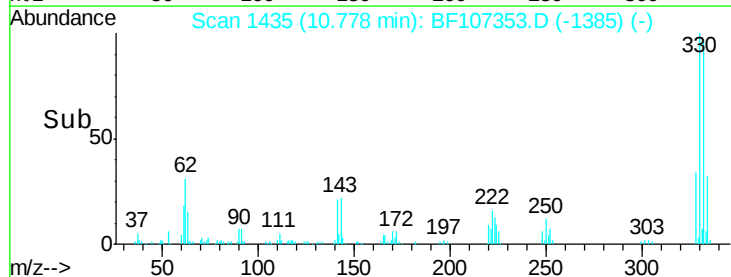
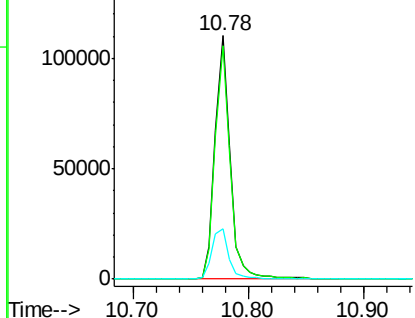


#41
 2,4,6-Tribromophenol
 Concen: 112.286 ng
 RT: 10.78 min Scan# 1435
 Delta R.T. -0.01 min
 Lab File: BF107353.D
 Acq: 12 Jul 2018 21:33

Tgt Ion:330 Resp: 100919
 Ion Ratio Lower Upper
 330 100
 332 96.2 77.0 115.6
 141 23.3 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

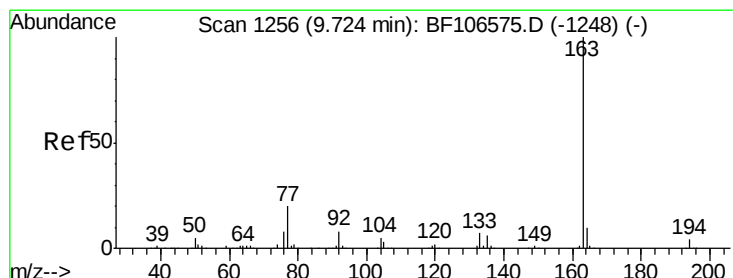
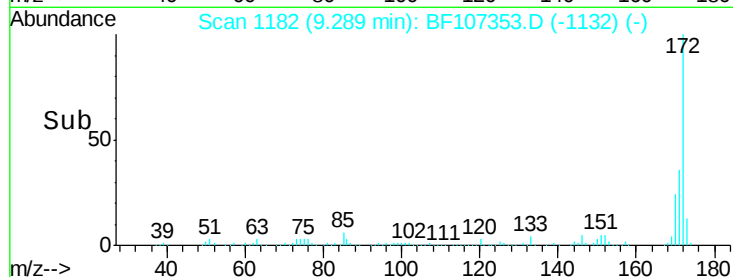
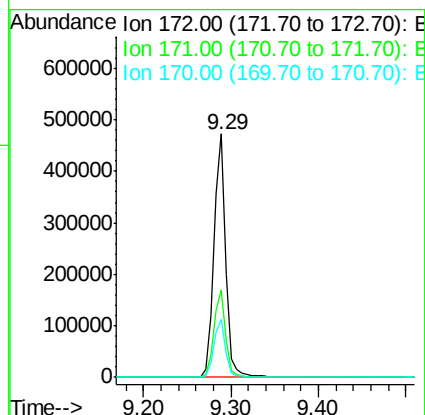
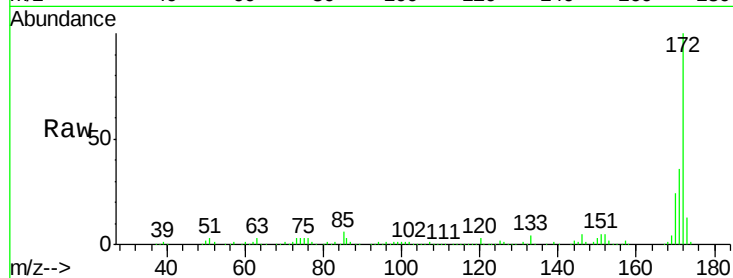




#44
 2-Fluorobiphenyl
 Concen: 98.621 ng
 RT: 9.29 min Scan# 1182
 Delta R.T. -0.01 min
 Lab File: BF107353.D
 Acq: 12 Jul 2018 21:33

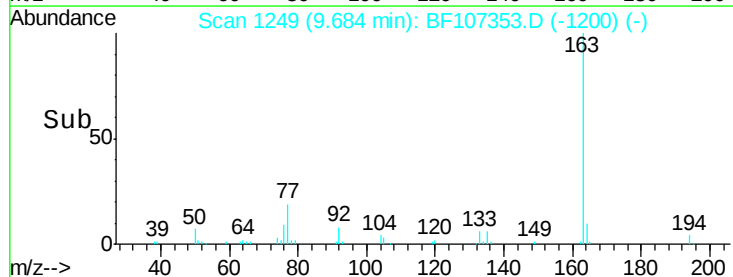
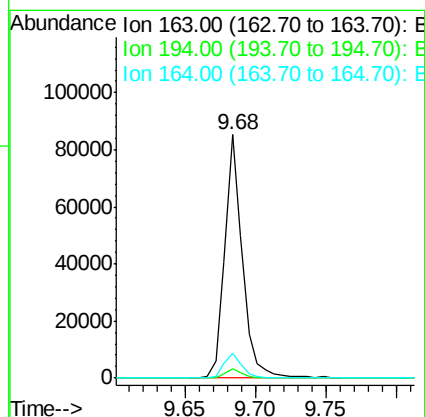
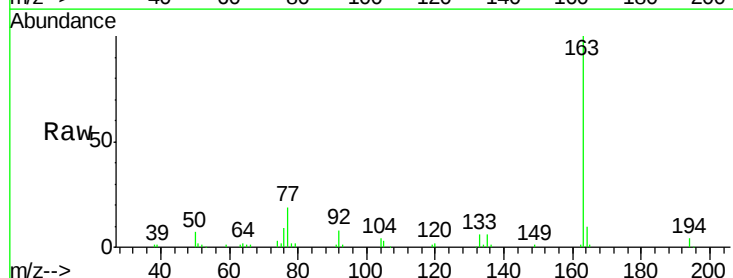
Instrument :
 BNA_F
 ClientSampleId :
 EP-7-N2

Tgt Ion:172 Resp: 440988
 Ion Ratio Lower Upper
 172 100
 171 36.1 29.7 44.5
 170 24.0 19.6 29.4



#49
 Dimethylphthalate
 Concen: 12.798 ng
 RT: 9.68 min Scan# 1249
 Delta R.T. -0.01 min
 Lab File: BF107353.D
 Acq: 12 Jul 2018 21:33

Tgt Ion:163 Resp: 74432
 Ion Ratio Lower Upper
 163 100
 194 3.9 2.7 4.1
 164 10.3 8.2 12.2

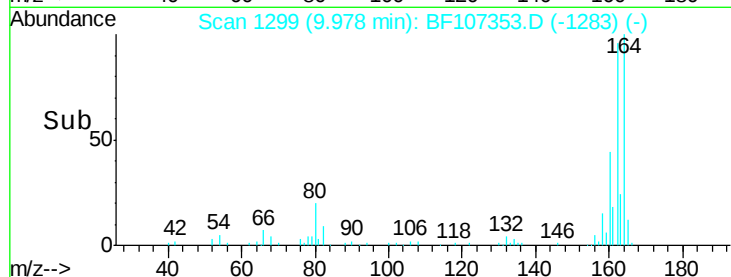
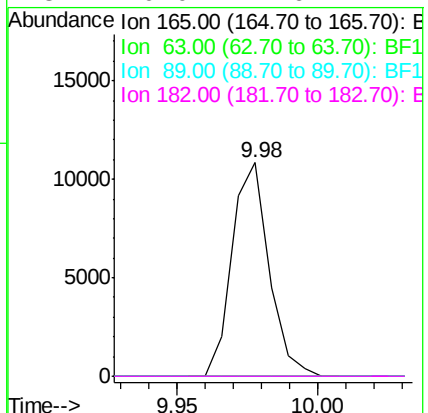
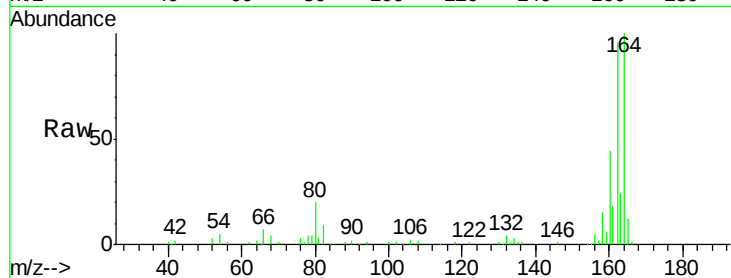




#56
2,4-Dinitrotoluene
Concen: 6.128 ng
RT: 9.98 min Scan# 1299
Delta R.T. -0.21 min
Lab File: BF107353.D
Acq: 12 Jul 2018 21:33

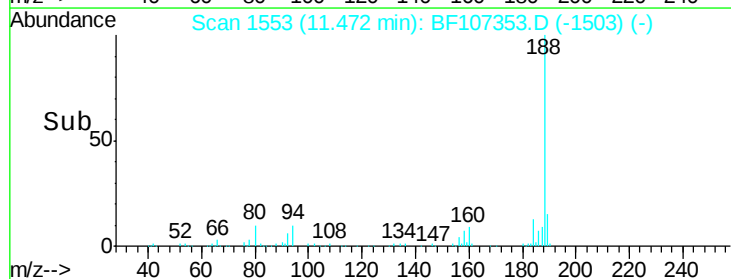
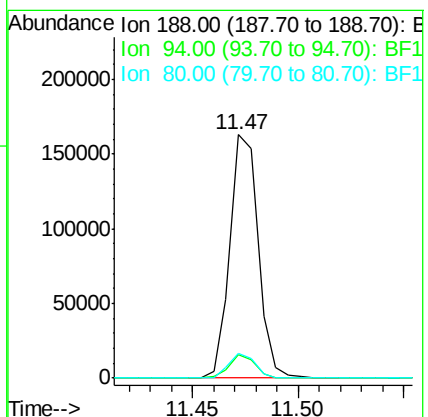
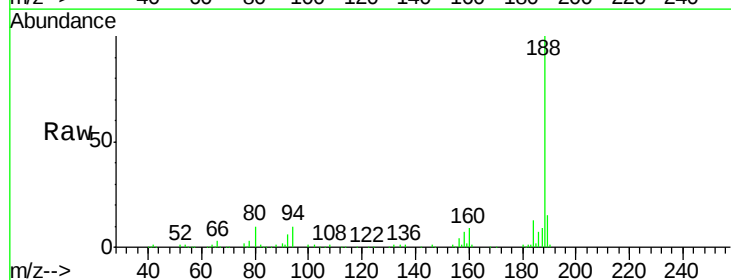
Instrument :
BNA_F
ClientSampleId :
EP-7-N2

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



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.47 min Scan# 1553
Delta R.T. -0.01 min
Lab File: BF107353.D
Acq: 12 Jul 2018 21:33

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.7	8.5	12.7
80	10.2	9.2	13.8

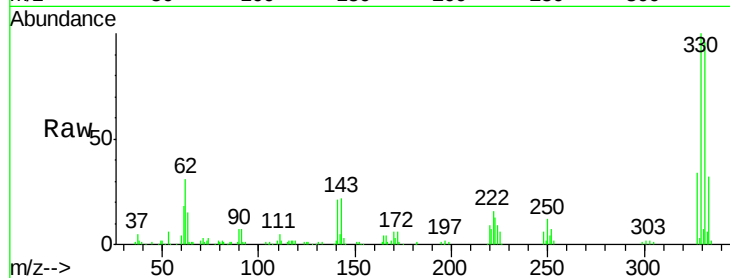




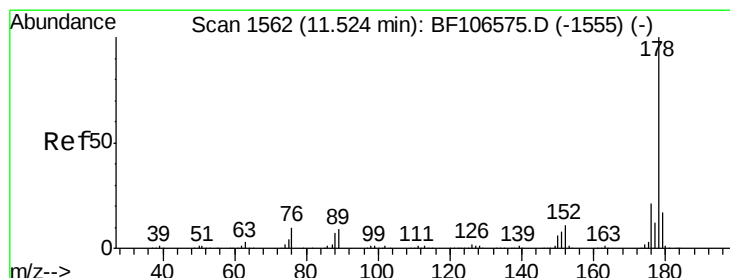
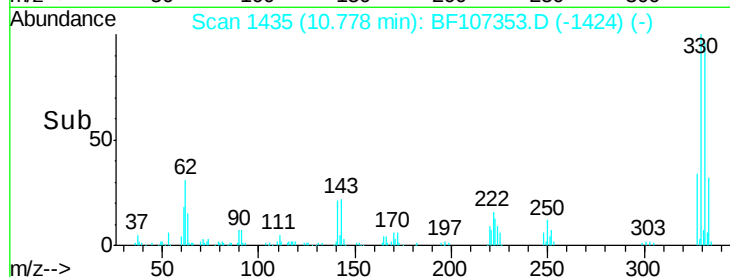
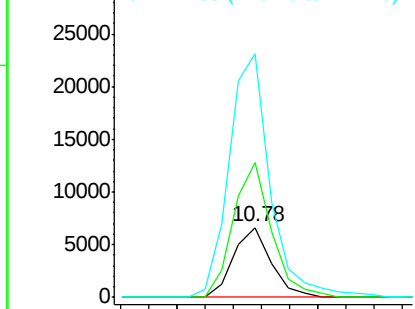
#66
 4-Bromophenyl-phenylether
 Concen: 3.408 ng
 RT: 10.78 min Scan# 1435
 Delta R.T. -0.24 min
 Lab File: BF107353.D
 Acq: 12 Jul 2018 21:33

Instrument :
 BNA_F
 ClientSampleId :
 EP-7-N2

Tgt Ion: 248 Resp: 6117
 Ion Ratio Lower Upper
 248 100
 250 194.1 76.9 115.3#
 141 350.1 74.4 111.6#

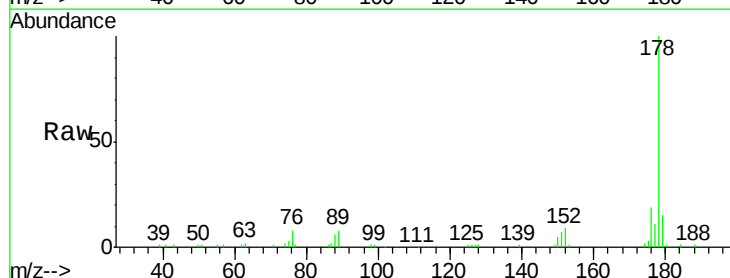


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

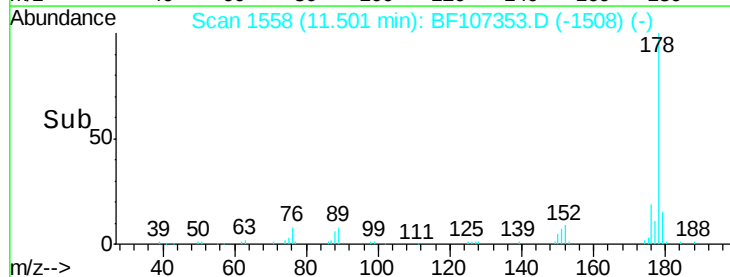
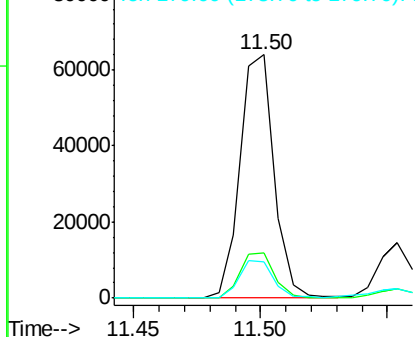


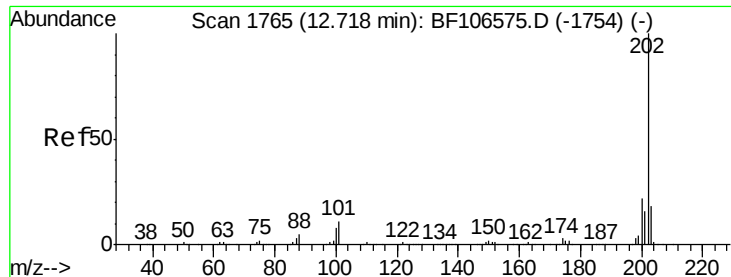
#70
 Phenanthrene
 Concen: 8.239 ng
 RT: 11.50 min Scan# 1558
 Delta R.T. -0.01 min
 Lab File: BF107353.D
 Acq: 12 Jul 2018 21:33

Tgt Ion: 178 Resp: 59769
 Ion Ratio Lower Upper
 178 100
 176 18.7 15.8 23.8
 179 15.1 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: 16.366 ng

RT: 12.70 min Scan# 1761

Delta R.T. -0.01 min

Lab File: BF107353.D

Acq: 12 Jul 2018 21:33

Instrument :

BNA_F

ClientSampleId :

EP-7-N2

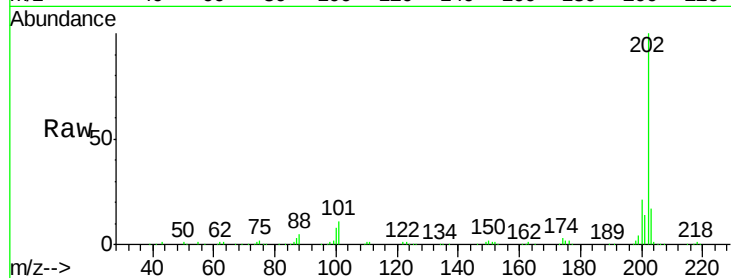
Tgt Ion: 202 Resp: 130859

Ion Ratio Lower Upper

202 100

101 10.9 0.0 34.1

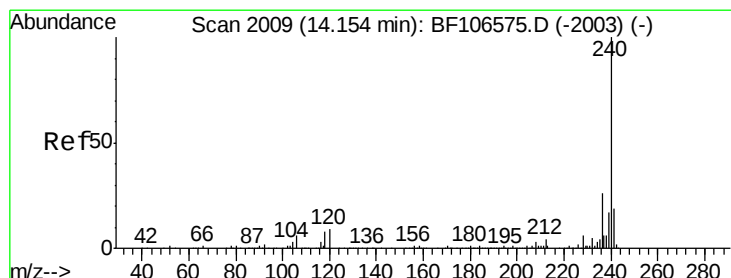
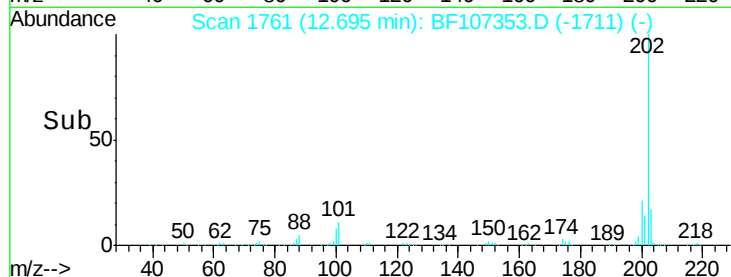
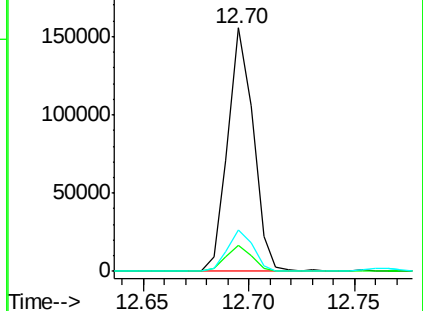
203 17.0 0.0 38.1



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: 14.13 min Scan# 2005

Delta R.T. -0.01 min

Lab File: BF107353.D

Acq: 12 Jul 2018 21:33

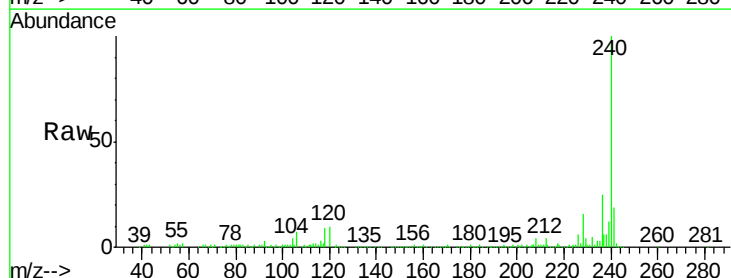
Tgt Ion: 240 Resp: 157394

Ion Ratio Lower Upper

240 100

120 10.2 9.5 14.3

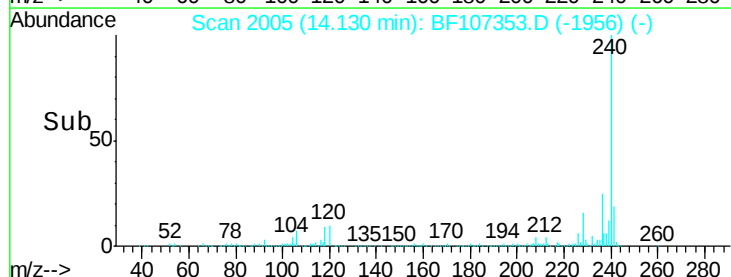
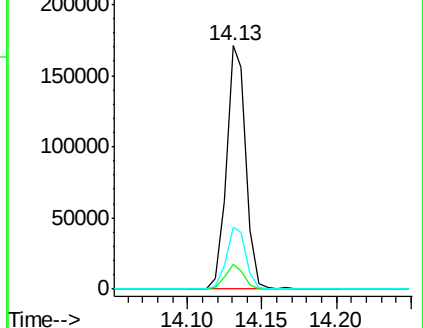
236 25.5 20.7 31.1

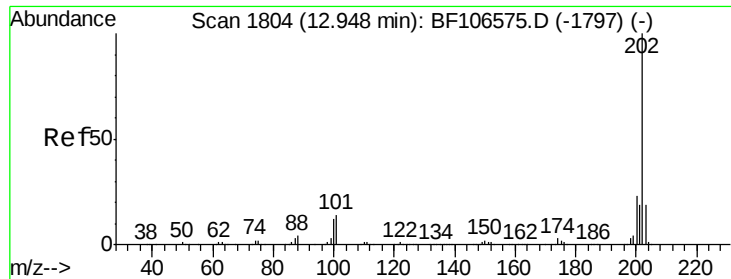


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

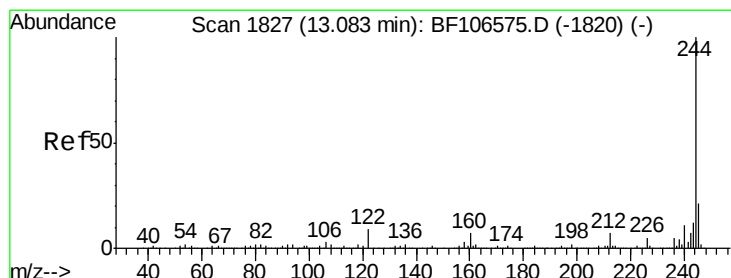
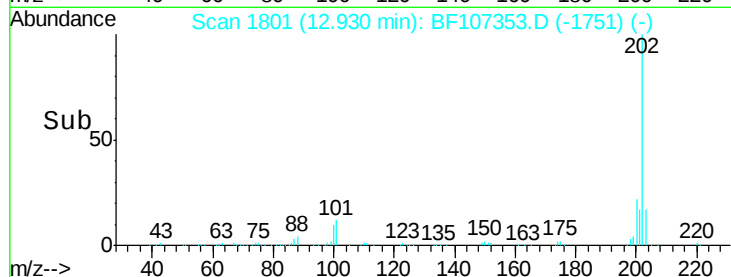
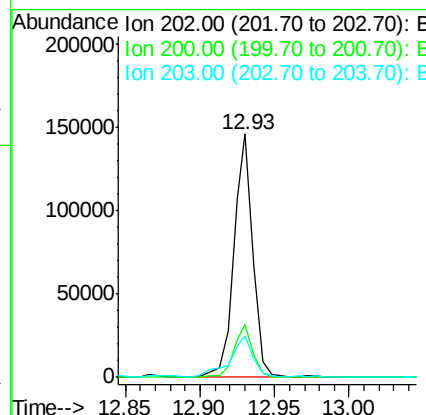
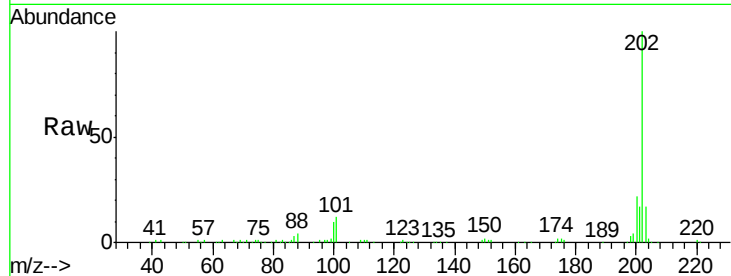




#77
 Pyrene
 Concen: 12.666 ng
 RT: 12.93 min Scan# 1801
 Delta R.T. -0.01 min
 Lab File: BF107353.D
 Acq: 12 Jul 2018 21:33

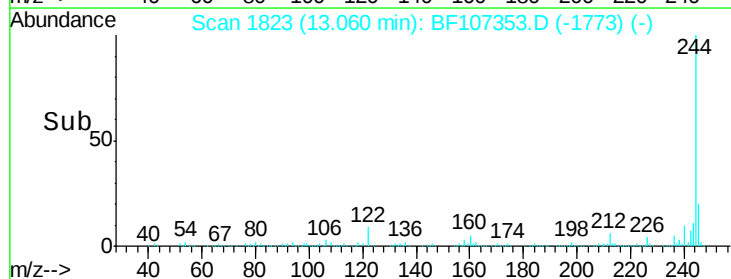
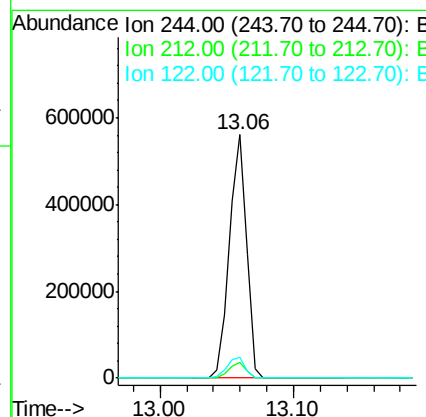
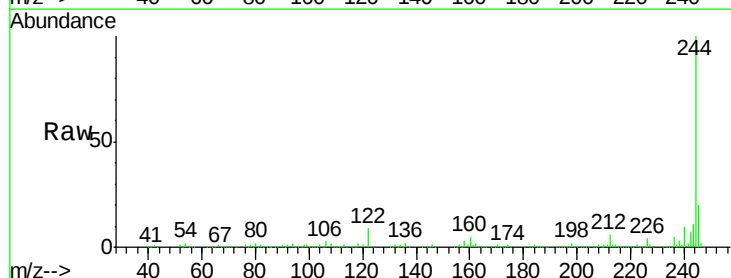
Instrument :
 BNA_F
 ClientSampleId :
 EP-7-N2

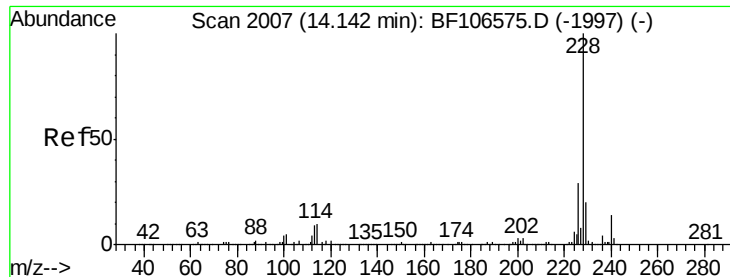
Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.6	17.4	26.2
203	17.1	14.3	21.5



#78
 Terphenyl-d14
 Concen: 78.638 ng
 RT: 13.06 min Scan# 1823
 Delta R.T. -0.01 min
 Lab File: BF107353.D
 Acq: 12 Jul 2018 21:33

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.4	5.4	8.0
122	8.5	11.0	16.4





#80

Benzo(a)anthracene

Concen: 7.588 ng

RT: 14.12 min Scan# 2004

Delta R.T. -0.01 min

Lab File: BF107353.D

Acq: 12 Jul 2018 21:33

Instrument :

BNA_F

ClientSampleId :

EP-7-N2

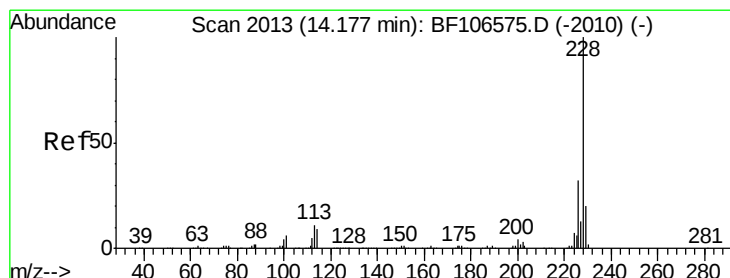
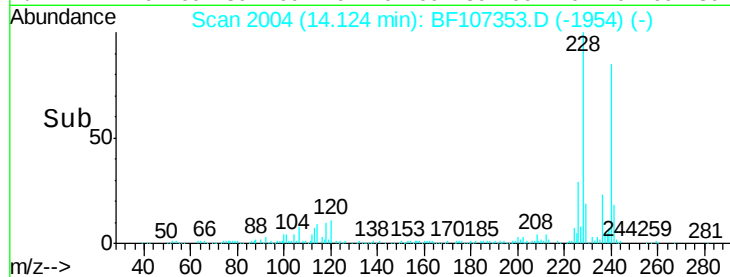
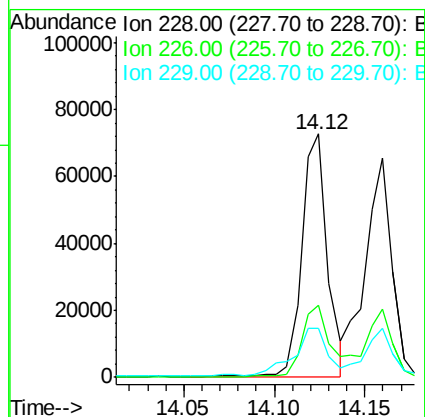
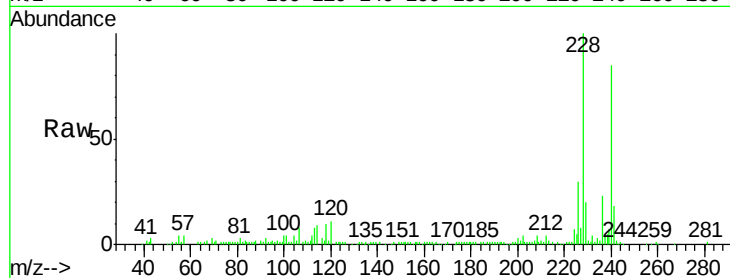
Tgt Ion:228 Resp: 72794

Ion Ratio Lower Upper

228 100

226 29.8 22.6 33.8

229 20.2 15.8 23.6



#82

Chrysene

Concen: 7.694 ng

RT: 14.16 min Scan# 2010

Delta R.T. -0.01 min

Lab File: BF107353.D

Acq: 12 Jul 2018 21:33

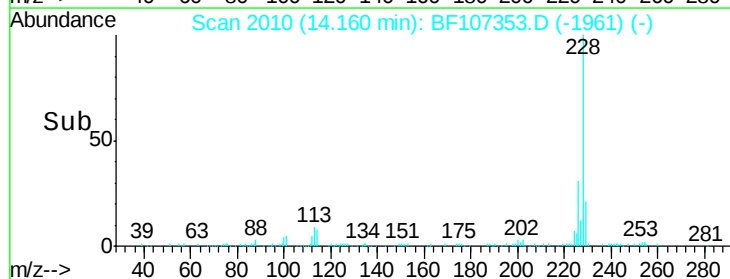
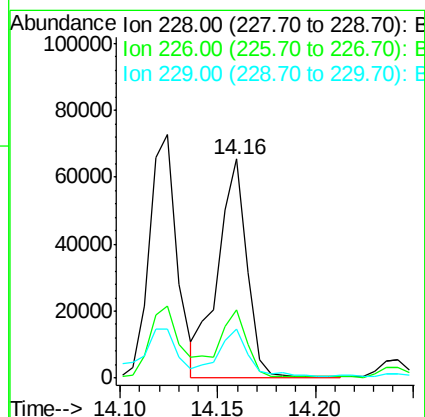
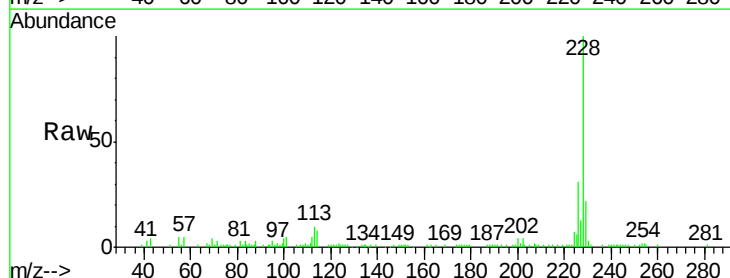
Tgt Ion:228 Resp: 67899

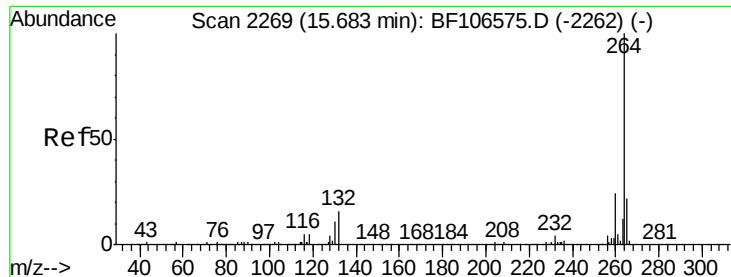
Ion Ratio Lower Upper

228 100

226 31.3 25.0 37.6

229 22.5 16.2 24.4

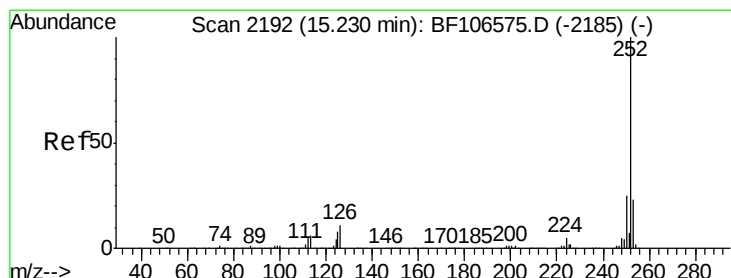
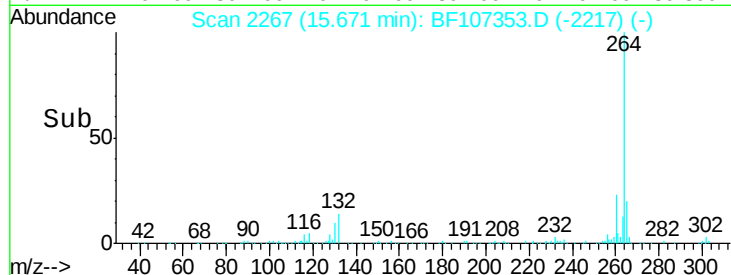
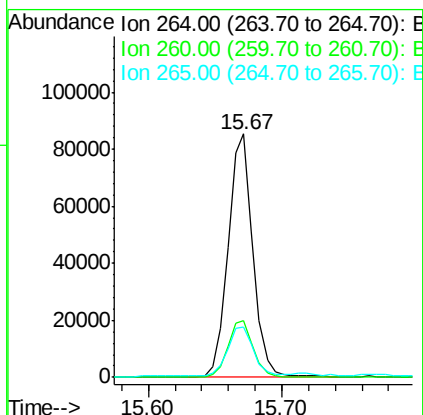
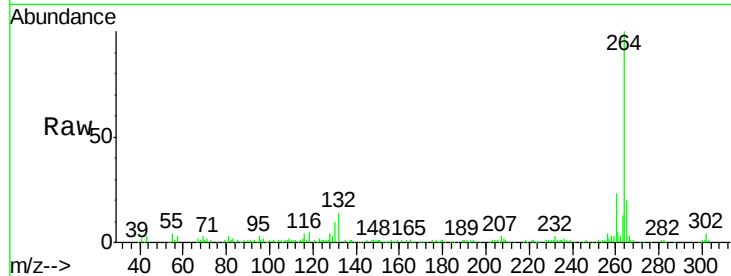




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.67 min Scan# 2267
Delta R.T. -0.01 min
Lab File: BF107353.D
Acq: 12 Jul 2018 21:33

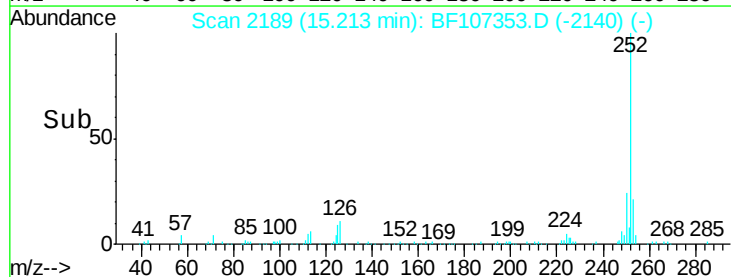
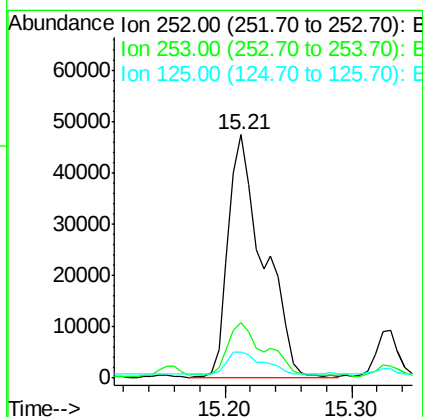
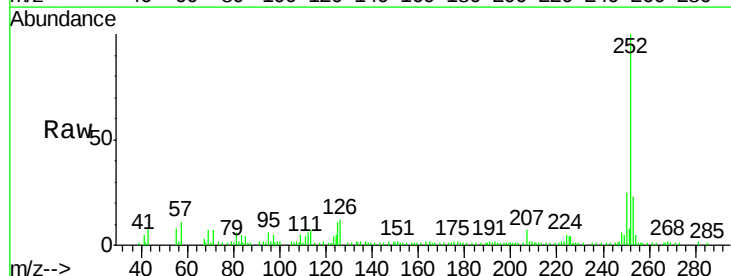
Instrument :
BNA_F
ClientSampleId :
EP-7-N2

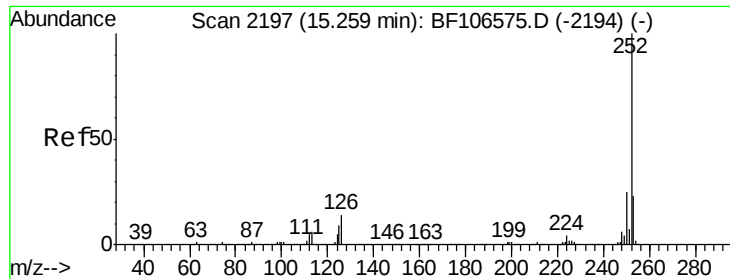
Tgt Ion:264 Resp: 111293
Ion Ratio Lower Upper
264 100
260 23.2 19.2 28.8
265 20.4 17.5 26.3



#87
Benzo(b)fluoranthene
Concen: 13.357 ng
RT: 15.21 min Scan# 2189
Delta R.T. -0.01 min
Lab File: BF107353.D
Acq: 12 Jul 2018 21:33

Tgt Ion:252 Resp: 92346
Ion Ratio Lower Upper
252 100
253 22.7 17.0 25.6
125 10.7 9.0 13.6

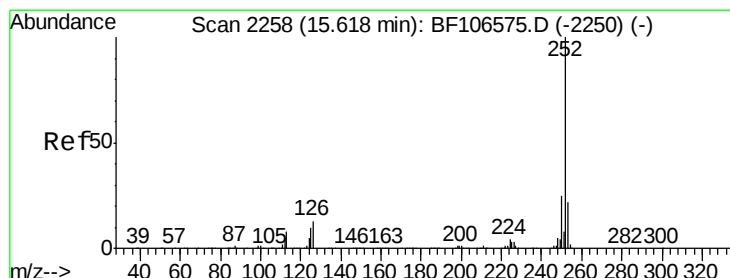
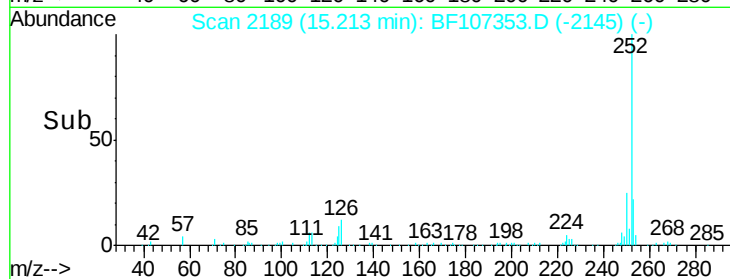
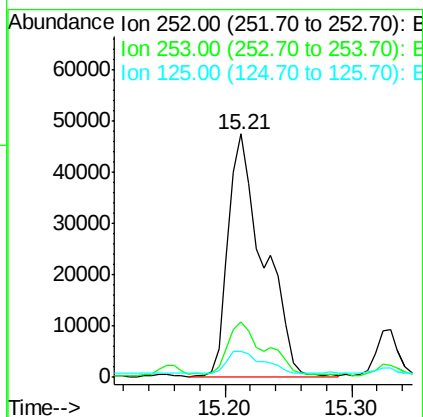
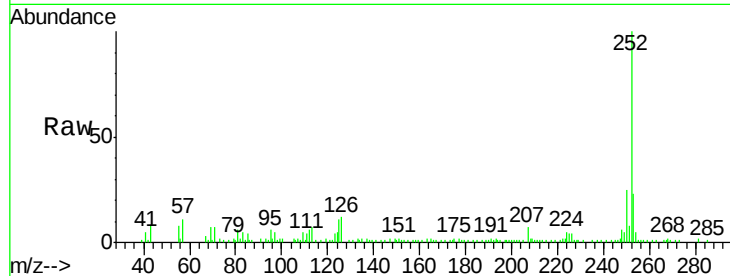




#88
Benzo(k)fluoranthene
Concen: 14.027 ng
RT: 15.21 min Scan# 2189
Delta R.T. -0.04 min
Lab File: BF107353.D
Acq: 12 Jul 2018 21:33

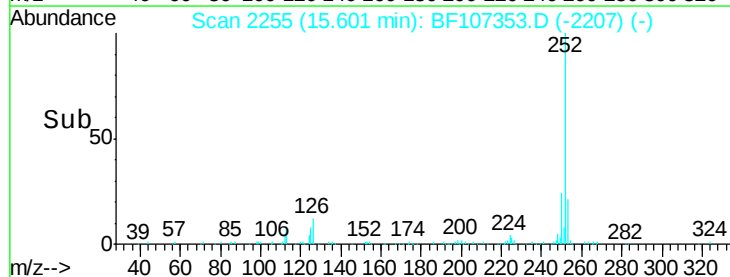
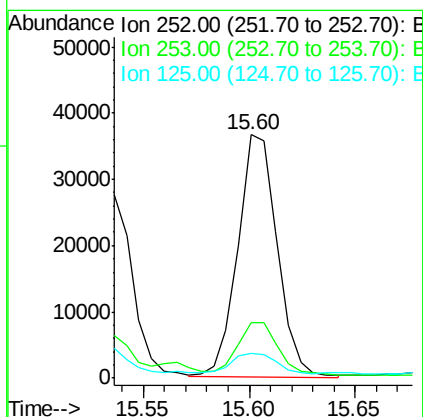
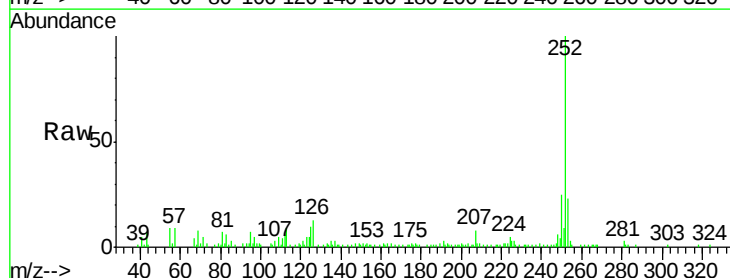
Instrument :
BNA_F
ClientSampleId :
EP-7-N2

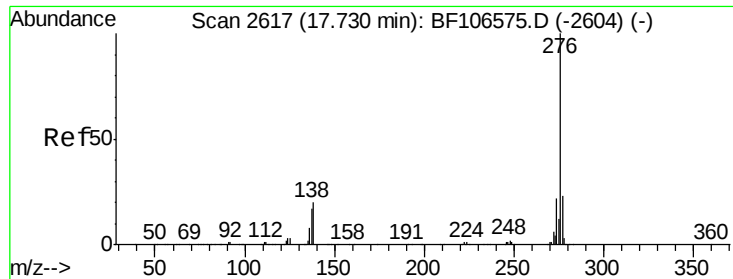
Tgt Ion:252 Resp: 92346
Ion Ratio Lower Upper
252 100
253 22.7 17.9 26.9
125 10.7 10.2 15.2



#89
Benzo(a)pyrene
Concen: 7.700 ng
RT: 15.60 min Scan# 2255
Delta R.T. -0.02 min
Lab File: BF107353.D
Acq: 12 Jul 2018 21:33

Tgt Ion:252 Resp: 47326
Ion Ratio Lower Upper
252 100
253 22.7 17.1 25.7
125 10.3 9.8 14.6





#91
Benzo(g,h,i)perylene
Concen: 5.666 ng
RT: 17.75 min Scan# 2620
Delta R.T. -0.01 min
Lab File: BF107353.D
Acq: 12 Jul 2018 21:33

Instrument :
BNA_F
ClientSampleId :
EP-7-N2

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.2	17.9	26.9
138	22.4	21.8	32.8

