

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF030519\
 Data File : BF112863.D
 Acq On : 5 Mar 2019 20:19
 Operator : JU/SJ
 Sample : K1705-08
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EXT-028-SW010-022719

Quant Time: Mar 06 01:45:28 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 01 15:40:43 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.74	152	169753	20.00	ng	0.00
21) Naphthalene-d8	8.02	136	670305	20.00	ng	0.00
39) Acenaphthene-d10	9.77	164	323195	20.00	ng	0.00
64) Phenanthrene-d10	11.25	188	633603	20.00	ng	0.00
76) Chrysene-d12	13.87	240	448780	20.00	ng	0.00
87) Perylene-d12	15.28	264	469645	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.35	112	802292	73.52	ng	0.00
7) Phenol-d6	6.37	99	1074161	78.36	ng	0.00
23) Nitrobenzene-d5	7.29	82	644882	57.57	ng	-0.01
42) 2,4,6-Tribromophenol	10.55	330	332363	96.87	ng	0.00
45) 2-Fluorobiphenyl	9.09	172	1129392	52.28	ng	0.00
79) Terphenyl-d14	12.83	244	1012673	43.74	ng	0.00

Target Compounds

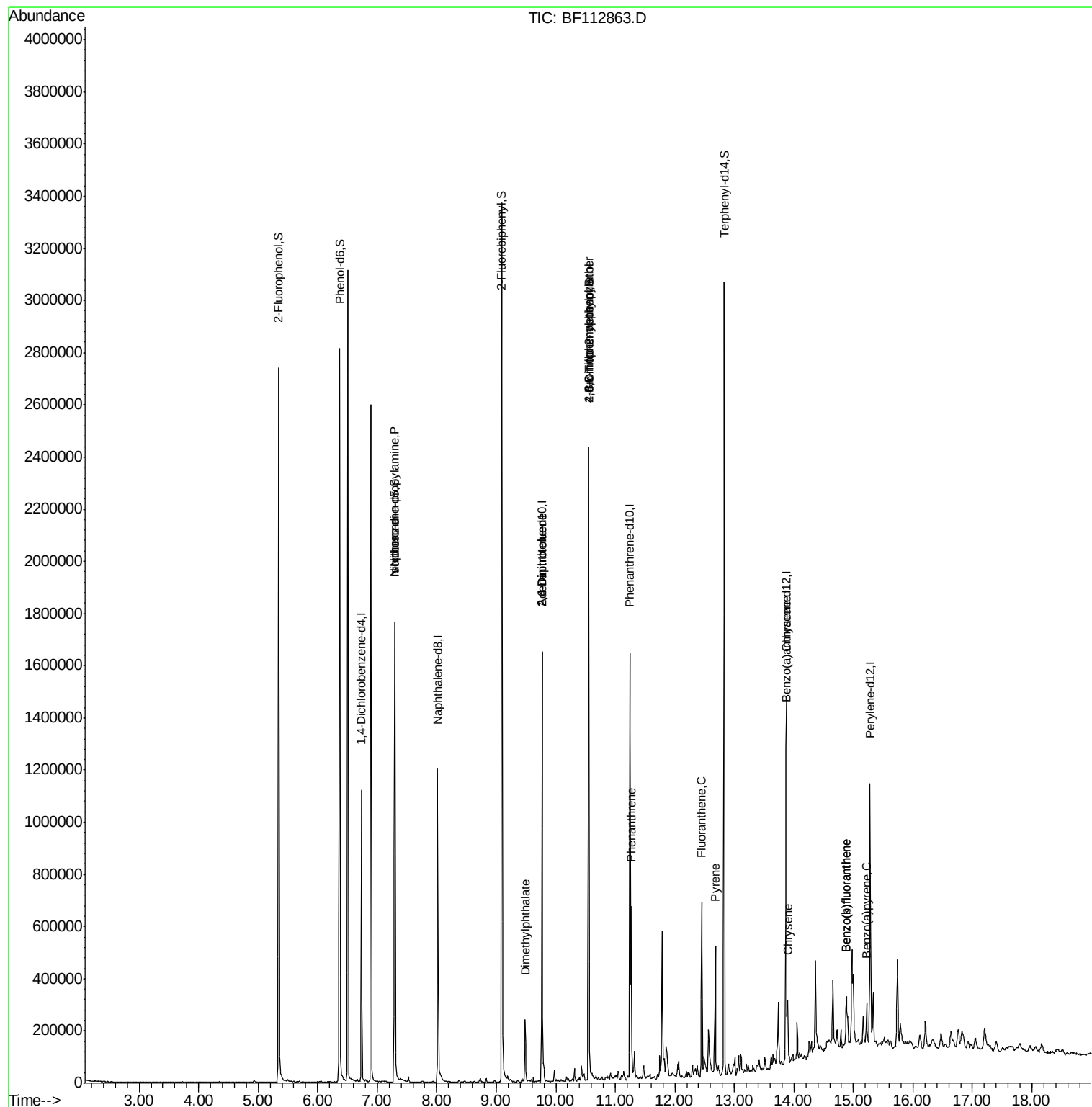
						Qvalue
19) n-Nitroso-di-n-propylamine	7.29	70	84744	9.761	ng	# 77
25) Isophorone	7.29	82	640041	26.521	ng	# 66
50) Dimethylphthalate	9.49	163	96309	4.041	ng	98
51) 2,6-Dinitrotoluene	9.77	165	40956	8.253	ng	# 18
57) 2,4-Dinitrotoluene	9.77	165	40956	6.639	ng	# 18
65) 4,6-Dinitro-2-methylphenol	10.55	198	577	4.813	ng	# 1
67) 4-Bromophenyl-phenylether	10.55	248	18099	2.712	ng	# 1
71) Phenanthrene	11.27	178	226612	7.189	ng	98
75) Fluoranthene	12.45	202	266495	7.890	ng	96
78) Pyrene	12.68	202	210974	5.576	ng	99
81) Benzo(a)anthracene	13.86	228	95828	3.081	ng	96
83) Chrysene	13.90	228	85985	2.822	ng	98
88) Benzo(b)fluoranthene	14.88	252	142005	4.675	ng	99
89) Benzo(k)fluoranthene	14.88	252	142005	5.161	ng	98
90) Benzo(a)pyrene	15.22	252	72901	2.713	ng	97

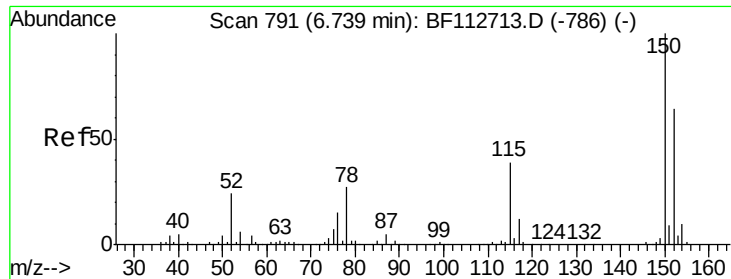
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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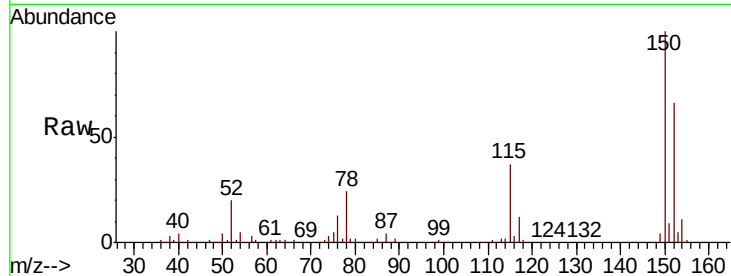


#1

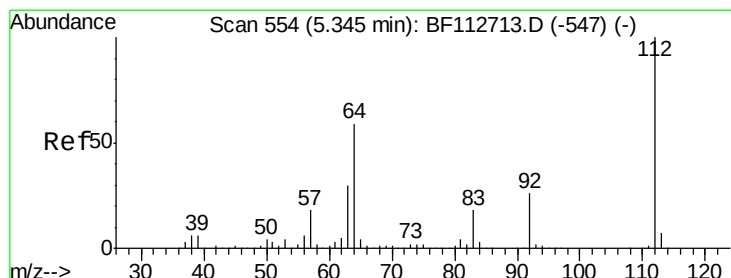
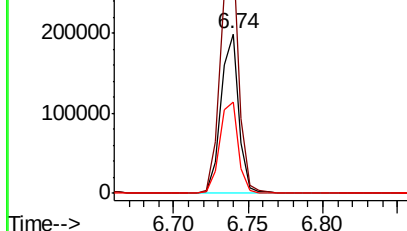
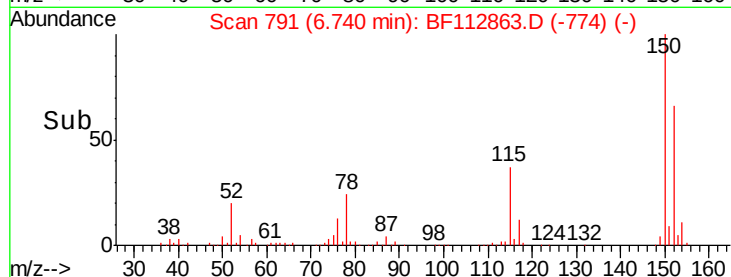
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.74 min Scan# 791
Delta R.T. 0.00 min
Lab File: BF112863.D
Acq: 5 Mar 2019 20:19

Instrument :
BNA_F
ClientSampleId :
EXT-028-SW010-022719

Tgt Ion:152 Resp: 169753
Ion Ratio Lower Upper
152 100
150 152.7 124.2 186.2
115 57.0 48.2 72.4



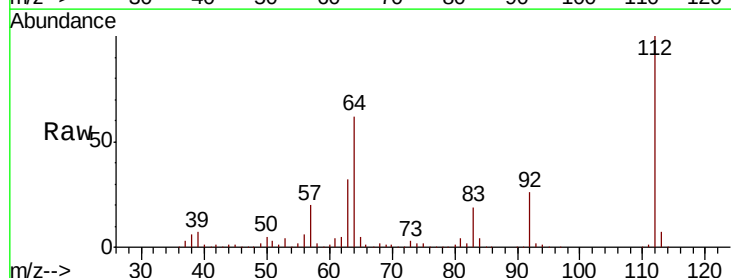
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



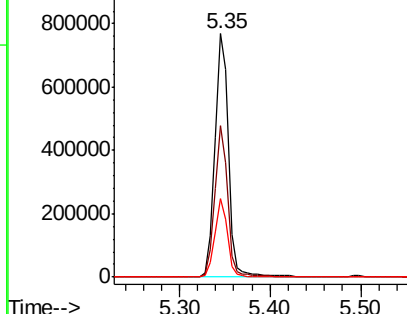
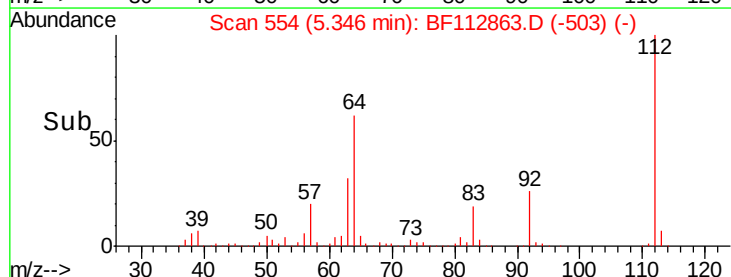
#5

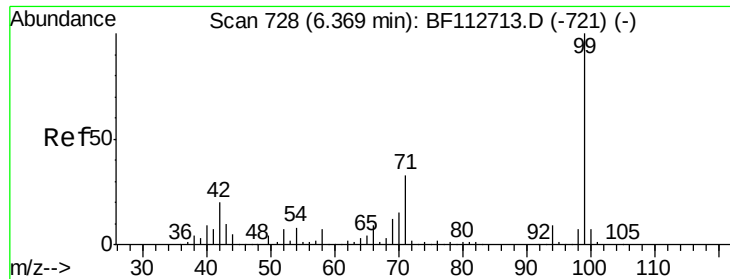
2-Fluorophenol
Concen: 73.519 ng
RT: 5.35 min Scan# 554
Delta R.T. 0.00 min
Lab File: BF112863.D
Acq: 5 Mar 2019 20:19

Tgt Ion:112 Resp: 802292
Ion Ratio Lower Upper
112 100
64 62.2 47.6 71.4
63 32.1 24.4 36.6



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: 78.359 ng

RT: 6.37 min Scan# 728

Delta R.T. 0.00 min

Lab File: BF112863.D

Acq: 5 Mar 2019 20:19

Instrument :

BNA_F

ClientSampleId :

EXT-028-SW010-022719

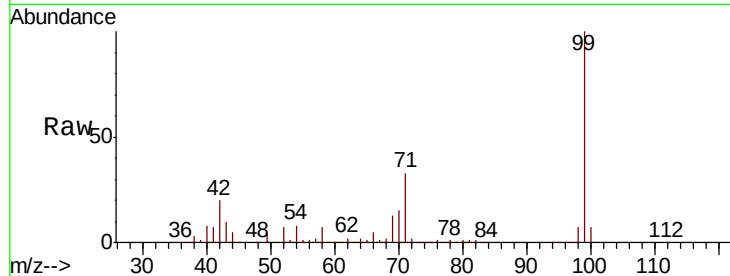
Tgt Ion: 99 Resp: 1074161

Ion Ratio Lower Upper

99 100

42 19.9 16.3 24.5

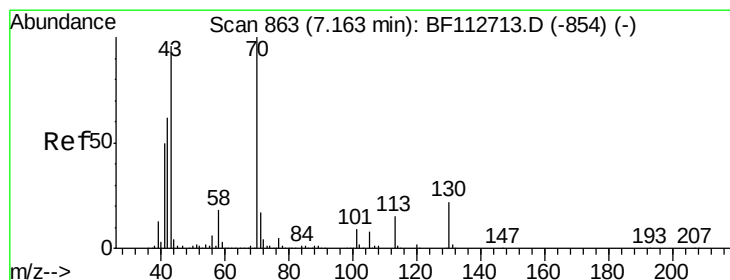
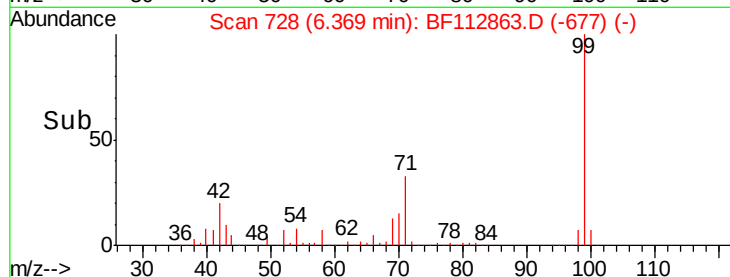
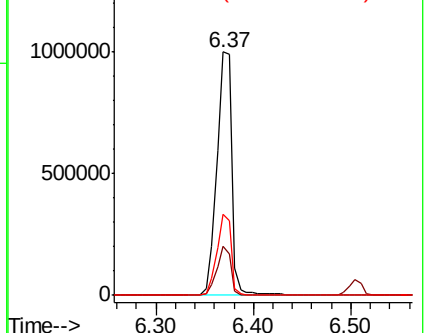
71 33.3 26.2 39.4



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



#19

n-Nitroso-di-n-propylamine

Concen: 9.761 ng

RT: 7.29 min Scan# 885

Delta R.T. 0.13 min

Lab File: BF112863.D

Acq: 5 Mar 2019 20:19

Tgt Ion: 70 Resp: 84744

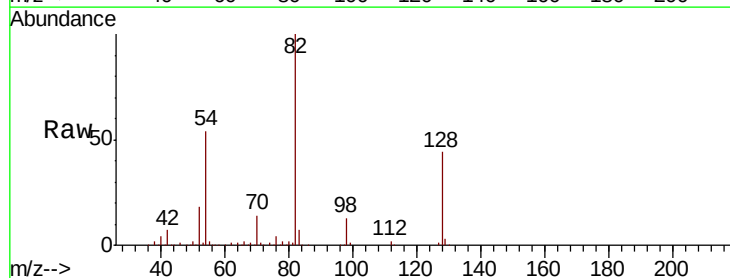
Ion Ratio Lower Upper

70 100

42 49.5 49.9 74.9#

101 0.0 7.4 11.2#

130 2.5 17.4 26.2#

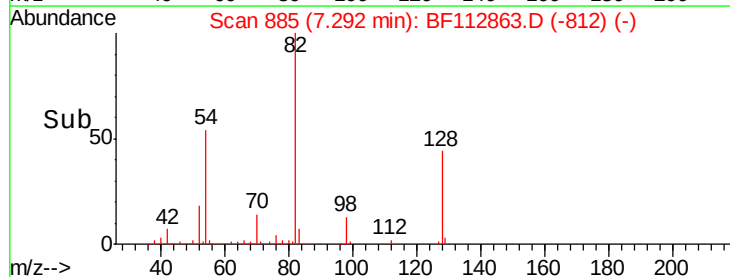
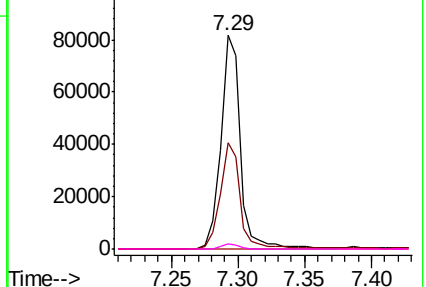


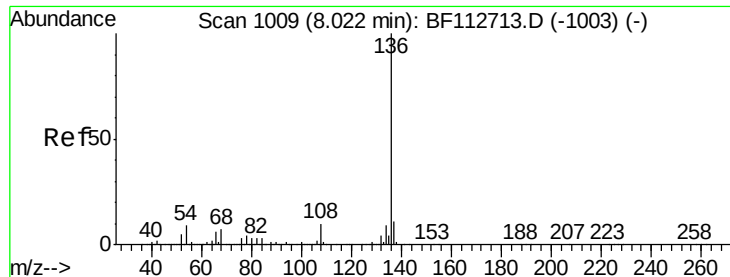
Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1

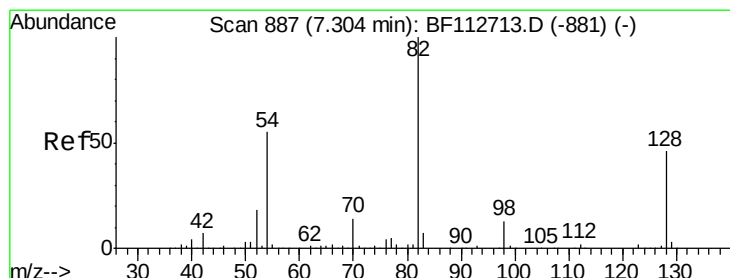
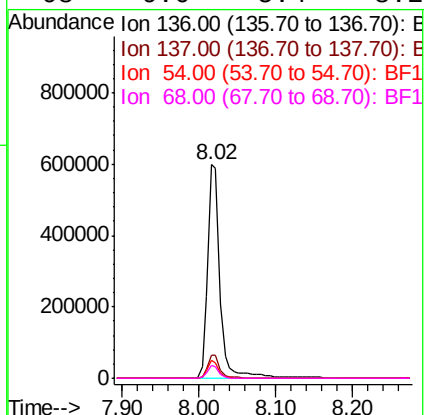
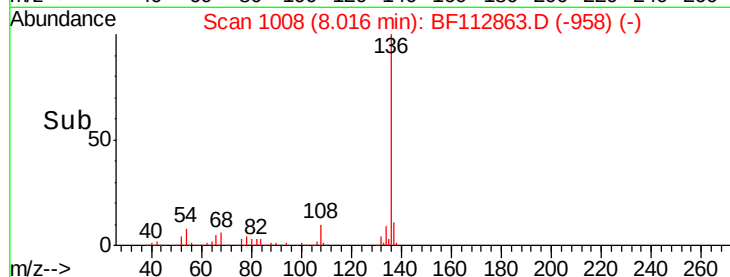
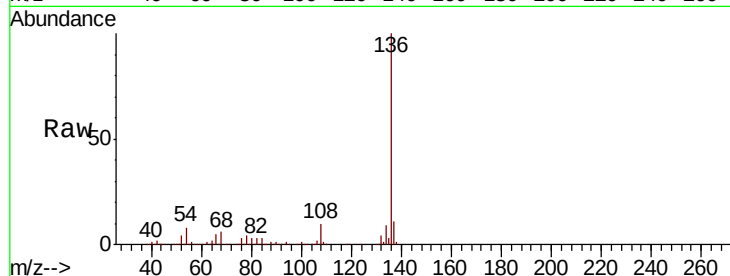




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.02 min Scan# 1008
Delta R.T. -0.01 min
Lab File: BF112863.D
Acq: 5 Mar 2019 20:19

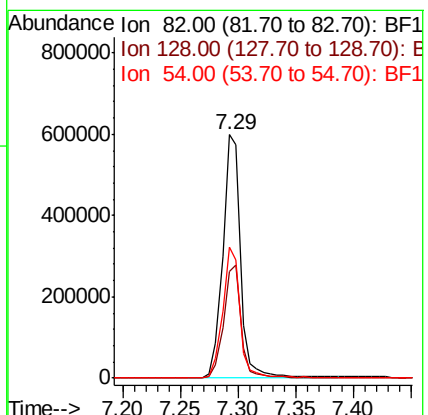
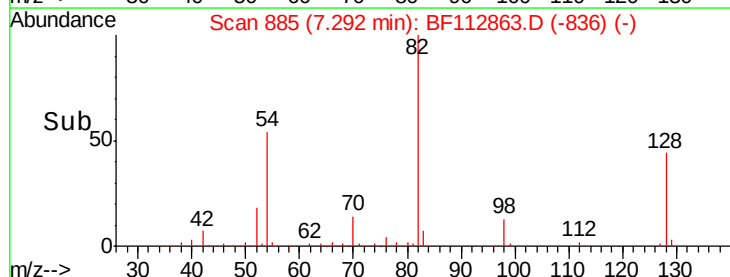
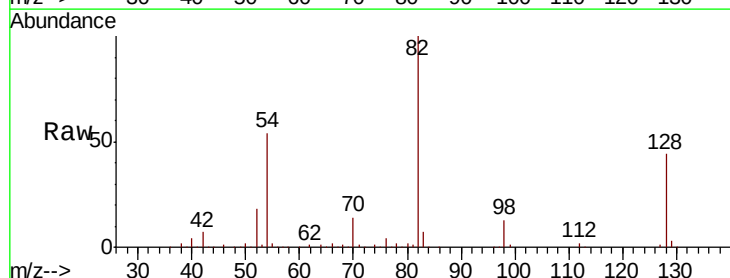
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EXT-028-SW010-022719

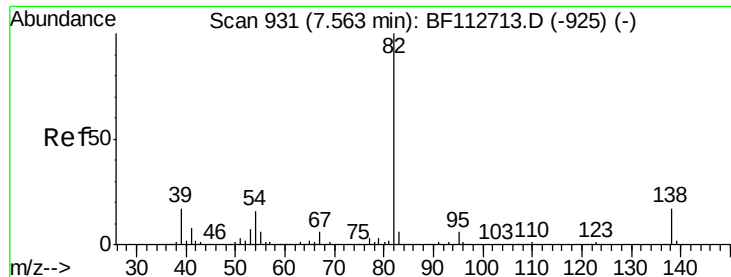
Tgt Ion:	136	Resp:	670305
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.9	13.3
54	8.5	7.3	10.9
68	6.0	5.4	8.2



#23
Nitrobenzene-d5
Concen: 57.568 ng
RT: 7.29 min Scan# 885
Delta R.T. -0.01 min
Lab File: BF112863.D
Acq: 5 Mar 2019 20:19

Tgt Ion:	82	Resp:	644882
Ion	Ratio	Lower	Upper
82	100		
128	44.0	36.3	54.5
54	53.9	43.7	65.5

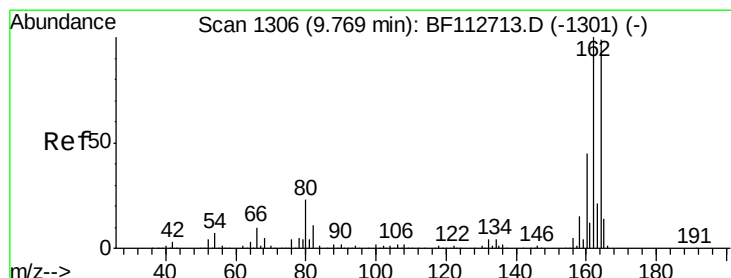
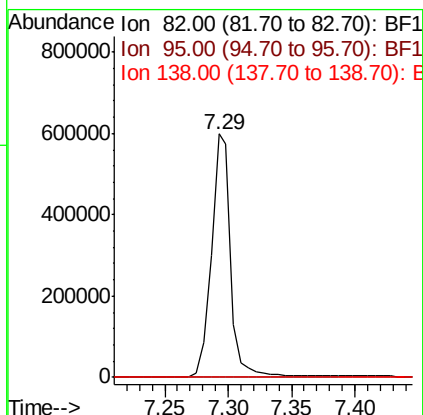
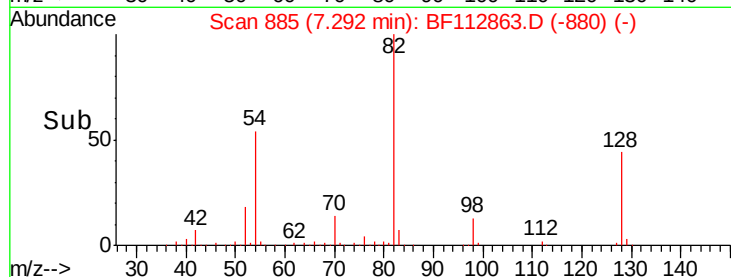
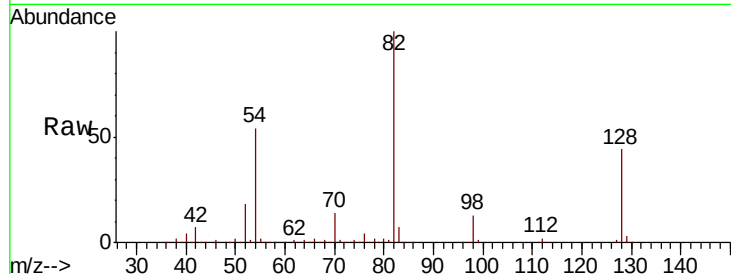




#25
Isophorone
Concen: 26.521 ng
RT: 7.29 min Scan# 885
Delta R.T. -0.27 min
Lab File: BF112863.D
Acq: 5 Mar 2019 20:19

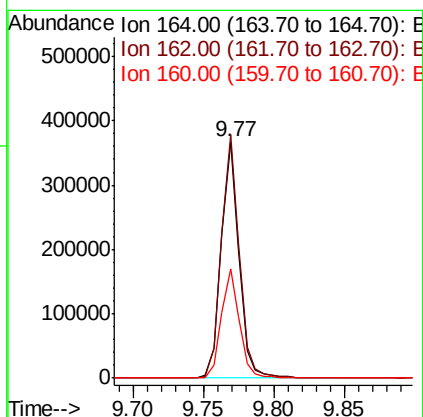
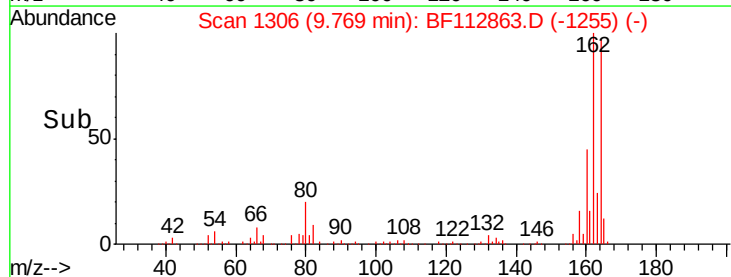
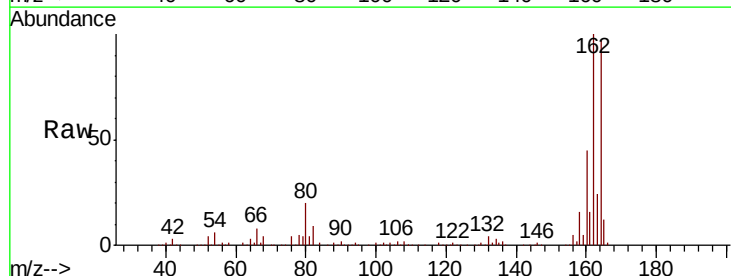
Instrument :
BNA_F
ClientSampleId :
EXT-028-SW010-022719

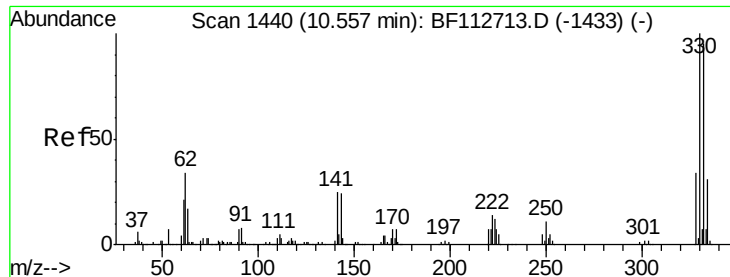
Tgt Ion: 82 Resp: 640041
Ion Ratio Lower Upper
82 100
95 0.0 5.2 7.8#
138 0.0 13.8 20.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.77 min Scan# 1306
Delta R.T. 0.00 min
Lab File: BF112863.D
Acq: 5 Mar 2019 20:19

Tgt Ion: 164 Resp: 323195
Ion Ratio Lower Upper
164 100
162 103.0 80.6 120.8
160 46.1 36.0 54.0





#42

2,4,6-Tribromophenol

Concen: 96.867 ng

RT: 10.55 min Scan# 1439

Delta R.T. -0.01 min

Lab File: BF112863.D

Acq: 5 Mar 2019 20:19

Instrument :

BNA_F

ClientSampleId :

EXT-028-SW010-022719

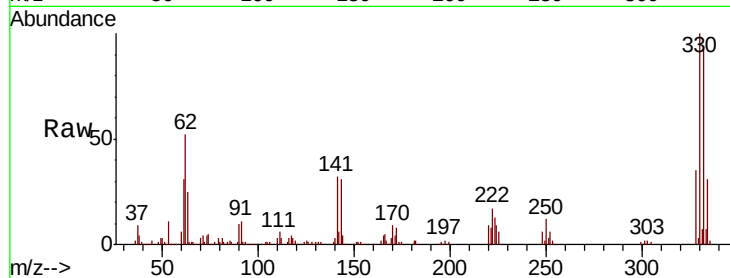
Tgt Ion:330 Resp: 332363

Ion Ratio Lower Upper

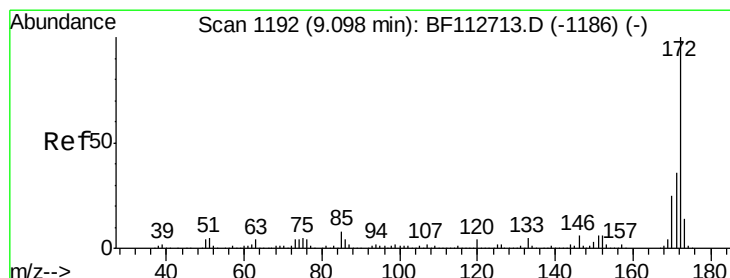
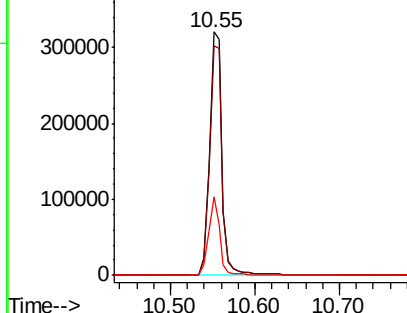
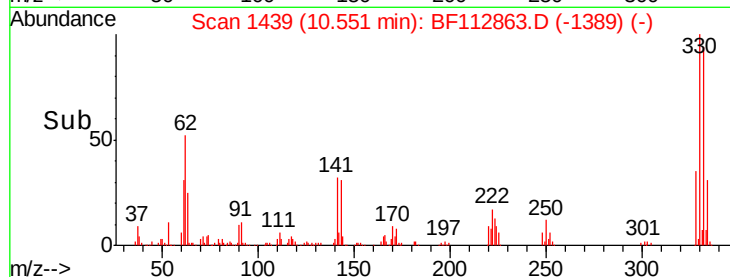
330 100

332 95.2 76.2 114.4

141 28.9 27.0 40.6



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



#45

2-Fluorobiphenyl

Concen: 52.283 ng

RT: 9.09 min Scan# 1191

Delta R.T. -0.01 min

Lab File: BF112863.D

Acq: 5 Mar 2019 20:19

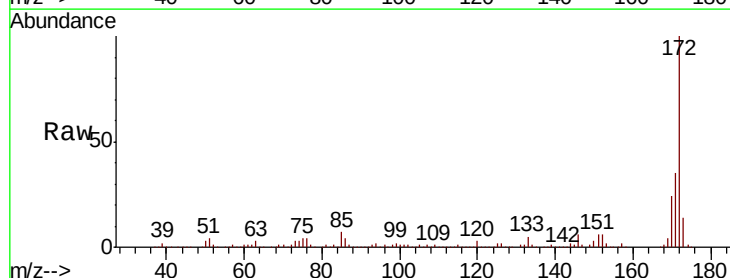
Tgt Ion:172 Resp: 1129392

Ion Ratio Lower Upper

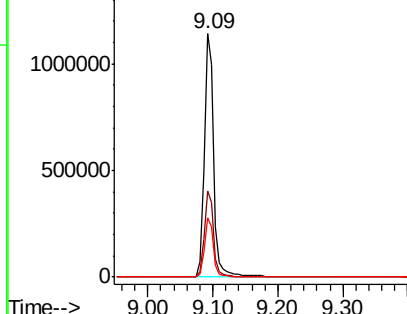
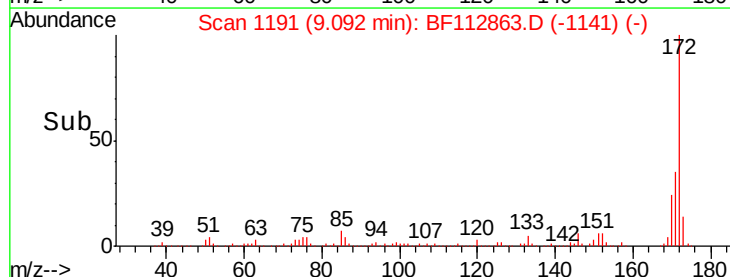
172 100

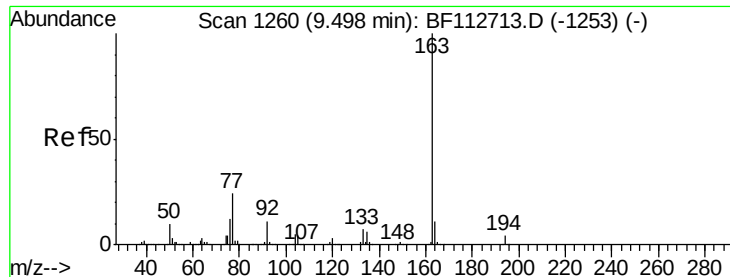
171 35.2 29.0 43.4

170 24.3 20.0 30.0



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

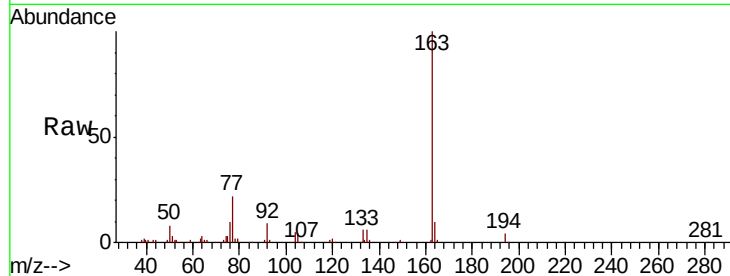




#50
Dimethylphthalate
Concen: 4.041 ng
RT: 9.49 min Scan# 1258
Delta R.T. -0.01 min
Lab File: BF112863.D
Acq: 5 Mar 2019 20:19

Instrument :
BNA_F
ClientSampleId :
EXT-028-SW010-022719

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.0	3.0	4.4
164	9.8	8.4	12.6

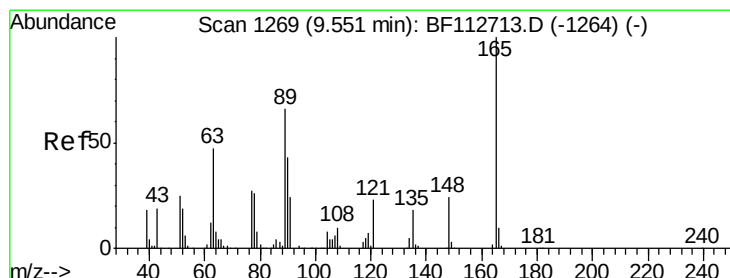
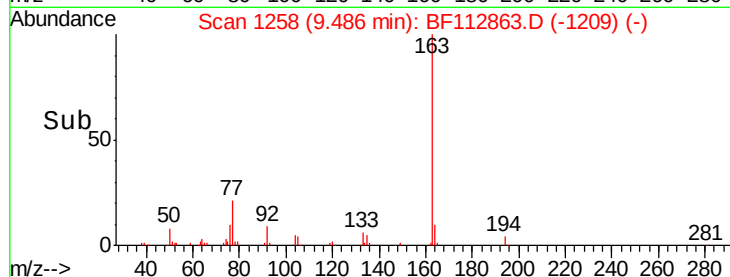
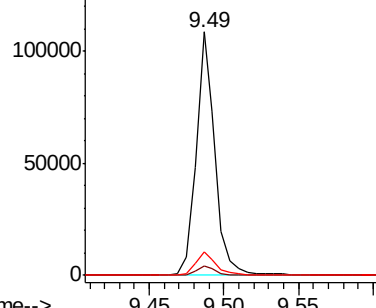


Abundance

Ion 163.00 (162.70 to 163.70): E

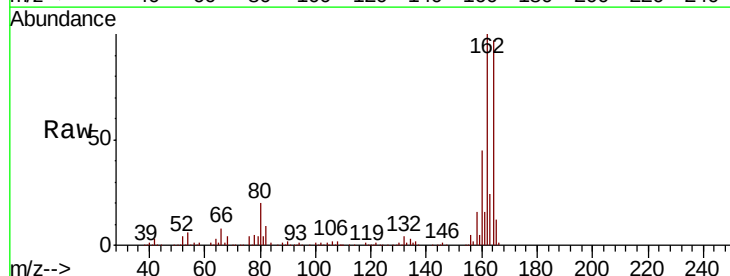
Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#51
2,6-Dinitrotoluene
Concen: 8.253 ng
RT: 9.77 min Scan# 1306
Delta R.T. 0.22 min
Lab File: BF112863.D
Acq: 5 Mar 2019 20:19

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.3	54.1	81.1#
89	1.3	52.8	79.2#

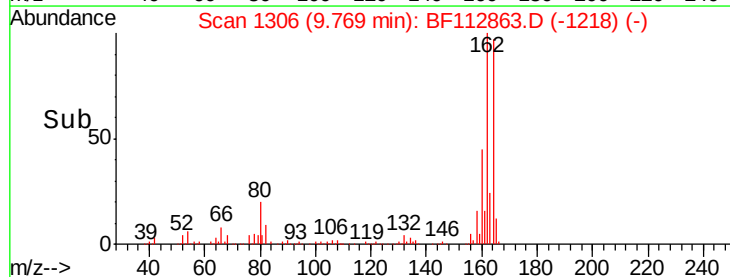
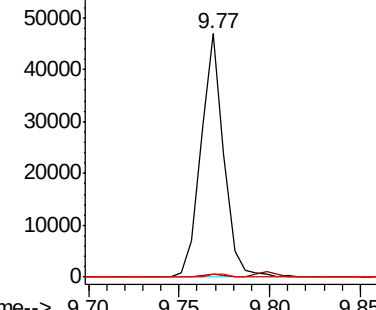


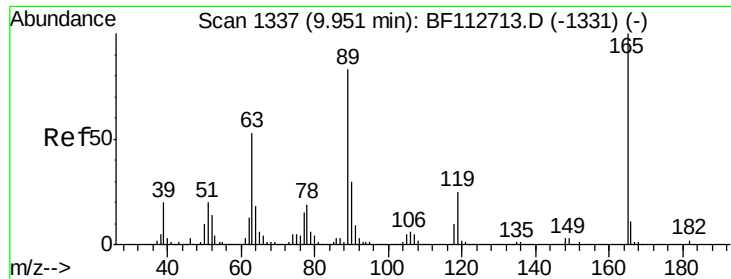
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

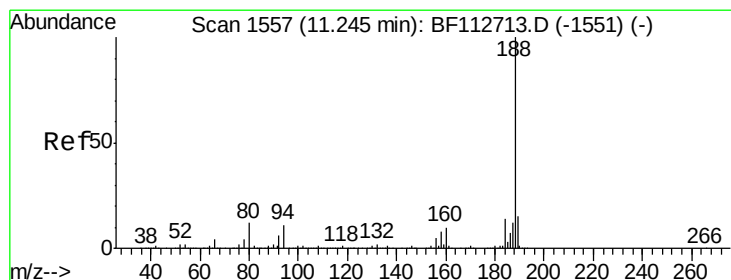
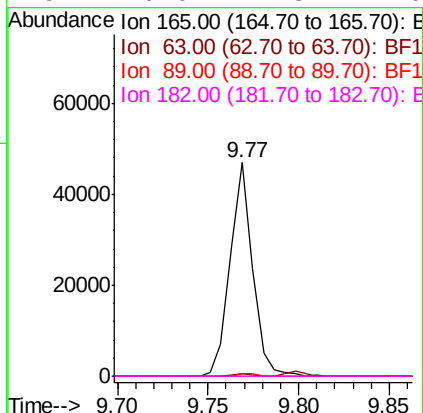
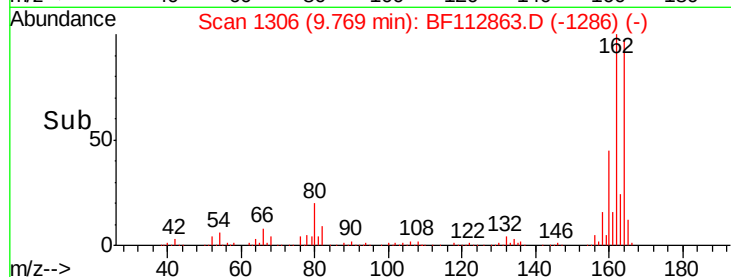
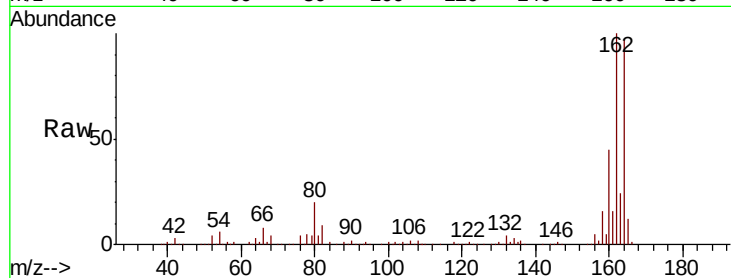




#57
2,4-Dinitrotoluene
Concen: 6.639 ng
RT: 9.77 min Scan# 1306
Delta R.T. -0.18 min
Lab File: BF112863.D
Acq: 5 Mar 2019 20:19

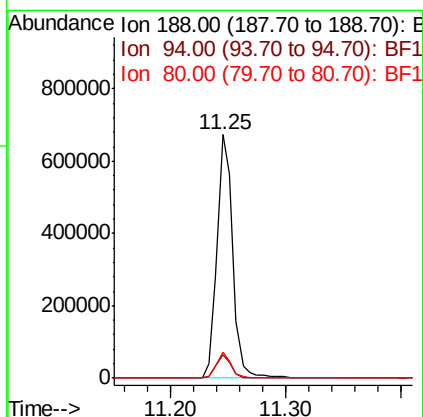
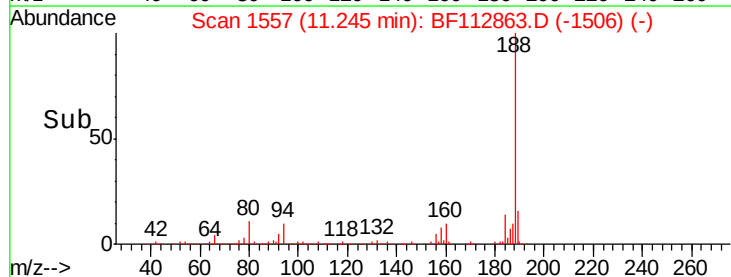
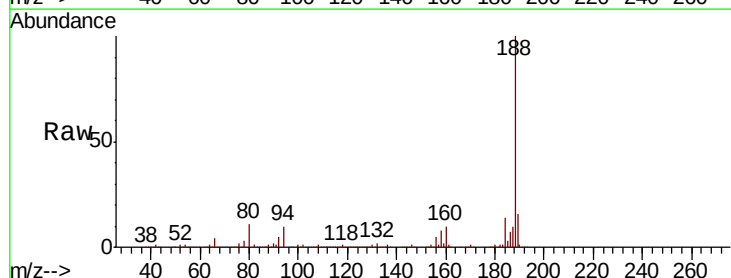
Instrument :
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ClientSampleId :
EXT-028-SW010-022719

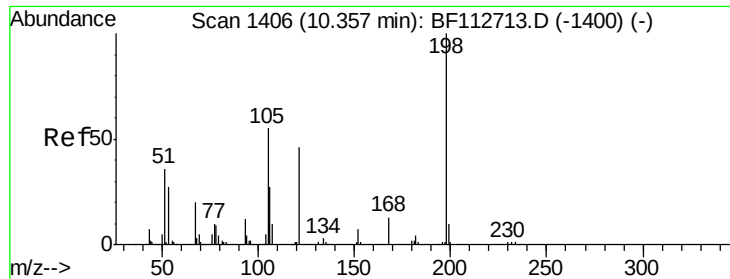
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.3	42.2	63.2#
89	1.3	66.2	99.4#
182	0.0	1.8	2.6#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.25 min Scan# 1557
Delta R.T. 0.00 min
Lab File: BF112863.D
Acq: 5 Mar 2019 20:19

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.9	9.0	13.4
80	10.9	9.2	13.8

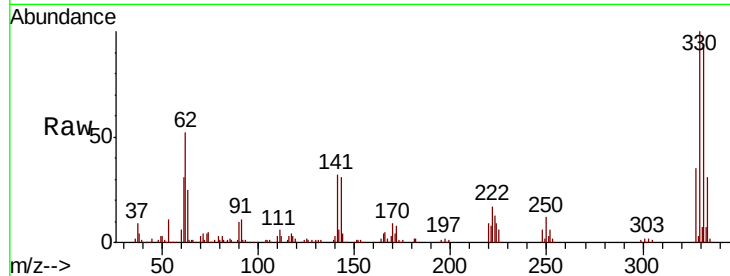




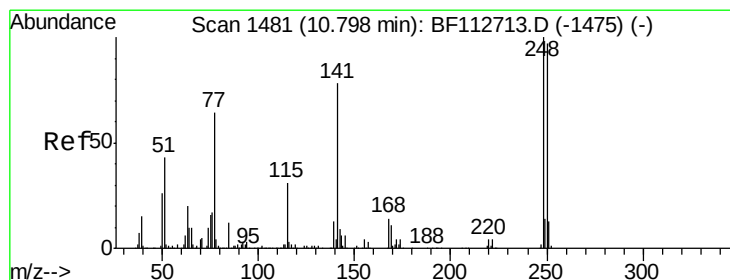
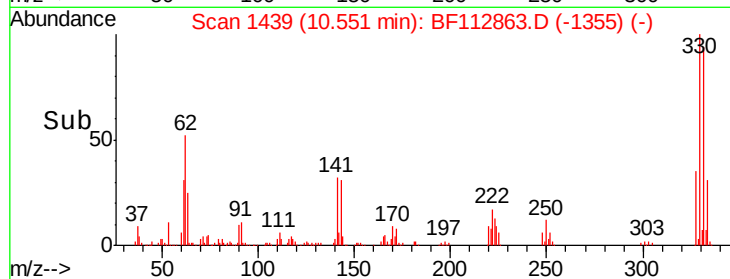
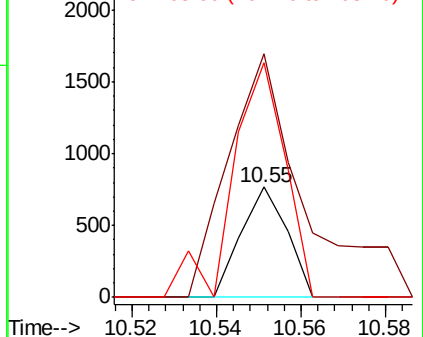
#65
 4,6-Dinitro-2-methylphenol
 Concen: 4.813 ng
 RT: 10.55 min Scan# 1439
 Delta R.T. 0.20 min
 Lab File: BF112863.D
 Acq: 5 Mar 2019 20:19

Instrument :
 BNA_F
 ClientSampleId :
 EXT-028-SW010-022719

Tgt Ion:198 Resp: 577
 Ion Ratio Lower Upper
 198 100
 51 220.9 43.8 83.8#
 105 213.4 36.5 76.5#

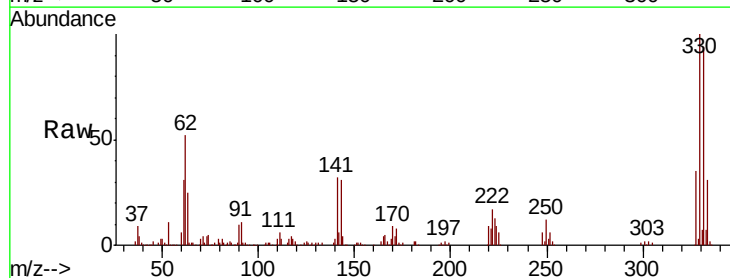


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

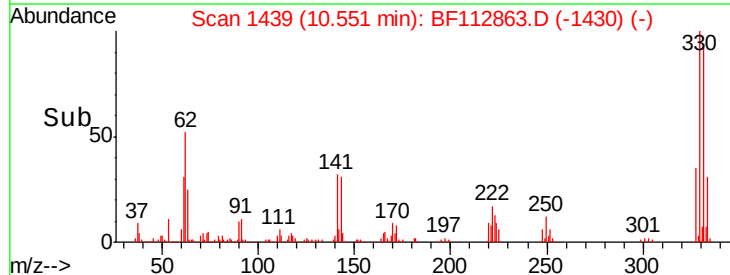
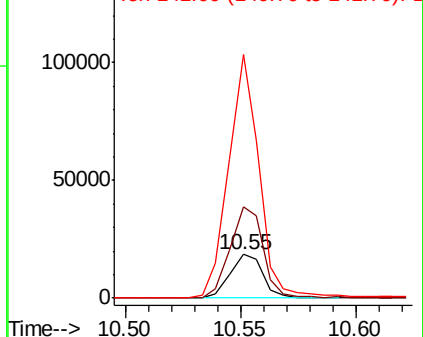


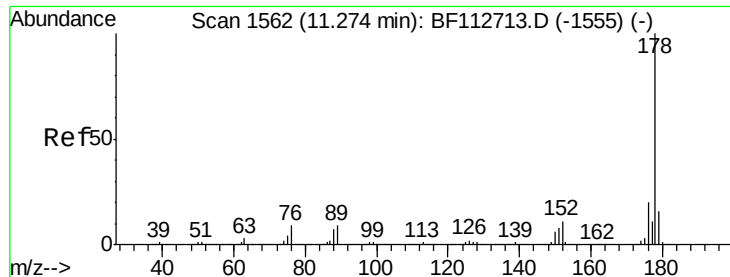
#67
 4-Bromophenyl-phenylether
 Concen: 2.712 ng
 RT: 10.55 min Scan# 1439
 Delta R.T. -0.25 min
 Lab File: BF112863.D
 Acq: 5 Mar 2019 20:19

Tgt Ion:248 Resp: 18099
 Ion Ratio Lower Upper
 248 100
 250 208.1 77.5 116.3#
 141 555.6 62.4 93.6#



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

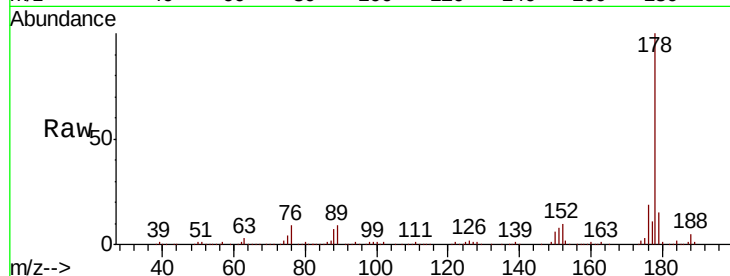




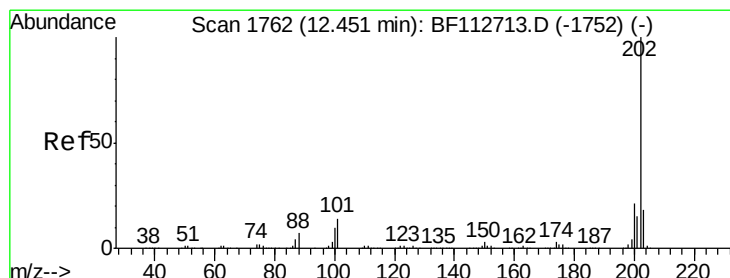
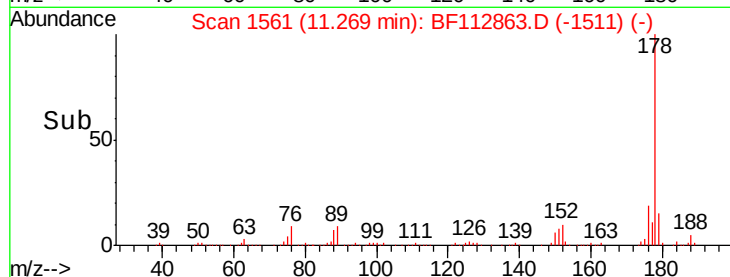
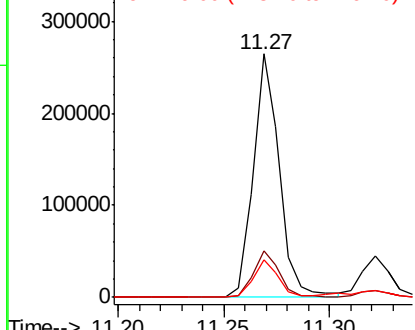
#71
Phenanthrene
Concen: 7.189 ng
RT: 11.27 min Scan# 1561
Delta R.T. -0.01 min
Lab File: BF112863.D
Acq: 5 Mar 2019 20:19

Instrument :
BNA_F
ClientSampleId :
EXT-028-SW010-022719

Tgt Ion:178 Resp: 226612
Ion Ratio Lower Upper
178 100
176 18.9 16.3 24.5
179 15.3 12.7 19.1

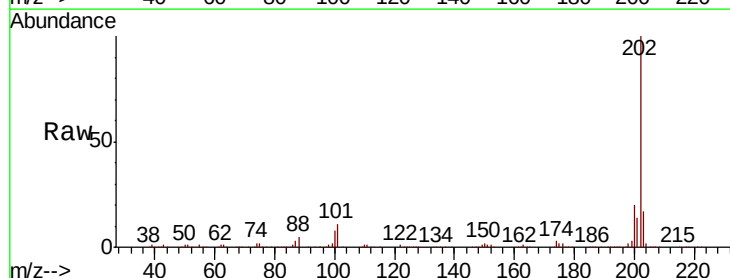


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

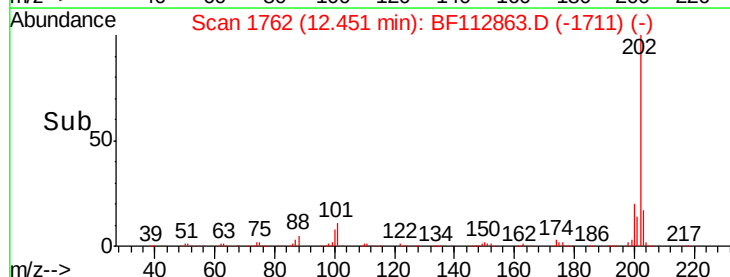
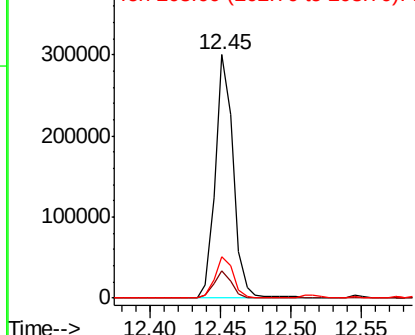


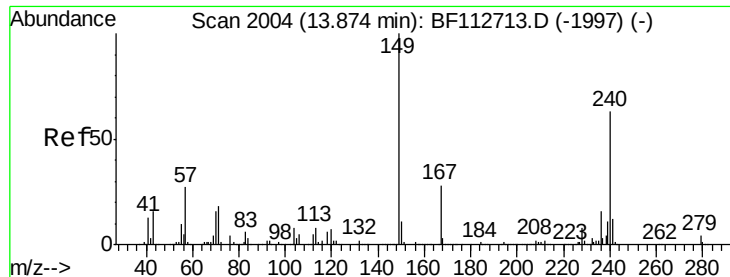
#75
Fluoranthene
Concen: 7.890 ng
RT: 12.45 min Scan# 1762
Delta R.T. 0.00 min
Lab File: BF112863.D
Acq: 5 Mar 2019 20:19

Tgt Ion:202 Resp: 266495
Ion Ratio Lower Upper
202 100
101 11.4 0.0 33.8
203 17.2 0.0 38.4



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





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.87 min Scan# 2004

Delta R.T. 0.00 min

Lab File: BF112863.D

Acq: 5 Mar 2019 20:19

Instrument :

BNA_F

ClientSampleId :

EXT-028-SW010-022719

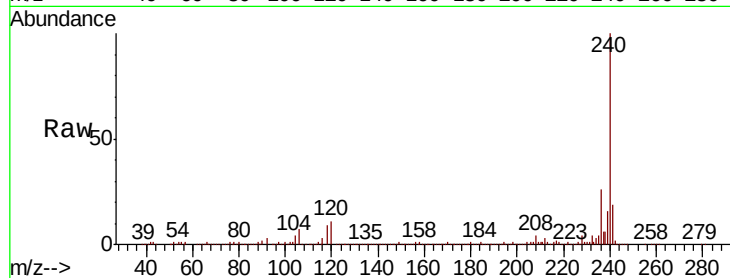
Tgt Ion:240 Resp: 448780

Ion Ratio Lower Upper

240 100

120 10.6 8.9 13.3

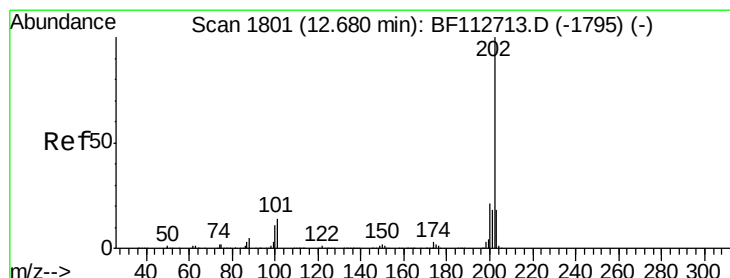
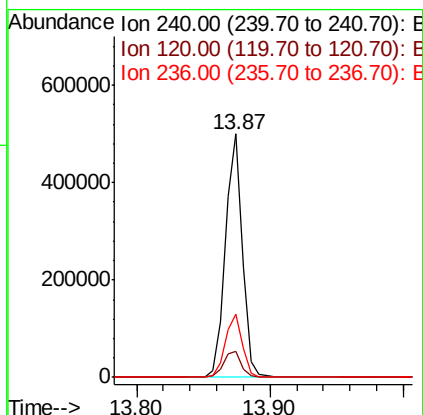
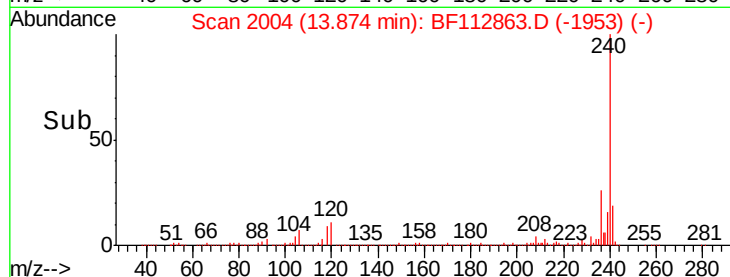
236 25.8 20.7 31.1



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



#78

Pyrene

Concen: 5.576 ng

RT: 12.68 min Scan# 1801

Delta R.T. 0.00 min

Lab File: BF112863.D

Acq: 5 Mar 2019 20:19

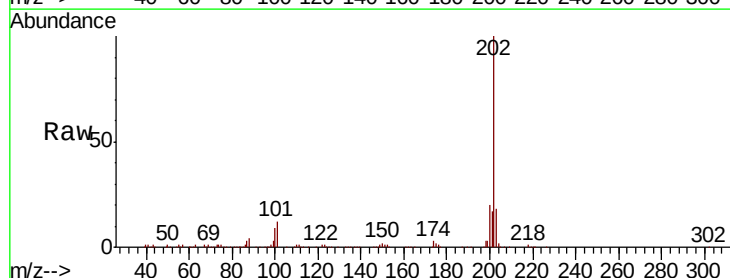
Tgt Ion:202 Resp: 210974

Ion Ratio Lower Upper

202 100

200 20.4 17.0 25.4

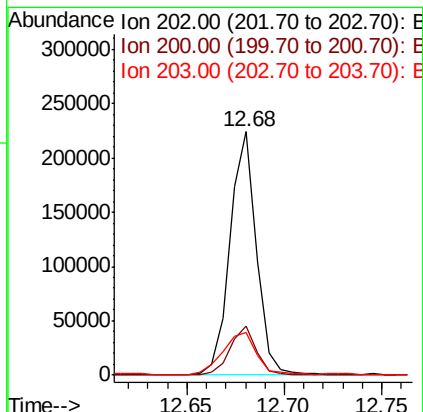
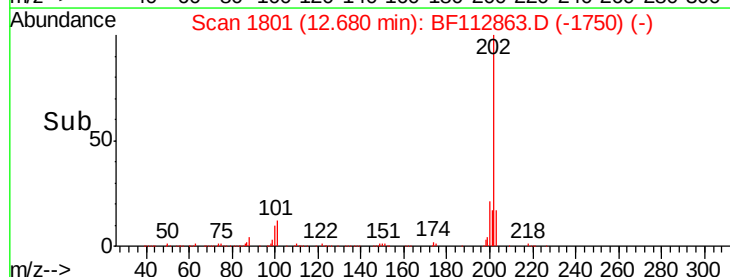
203 17.6 14.4 21.6

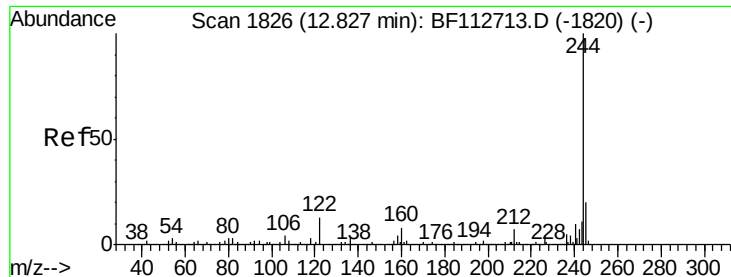


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 43.742 ng

RT: 12.83 min Scan# 1826

Delta R.T. 0.00 min

Lab File: BF112863.D

Acq: 5 Mar 2019 20:19

Instrument :

BNA_F

ClientSampleId :

EXT-028-SW010-022719

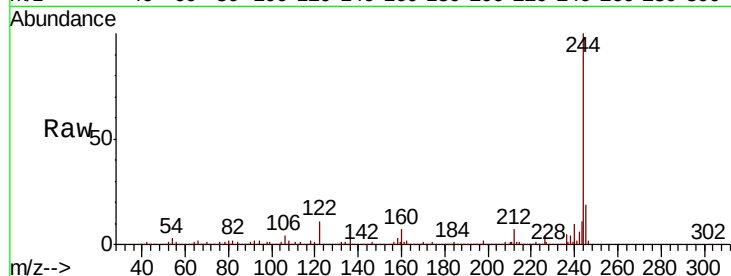
Tgt Ion:244 Resp: 1012673

Ion Ratio Lower Upper

244 100

212 6.8 5.6 8.4

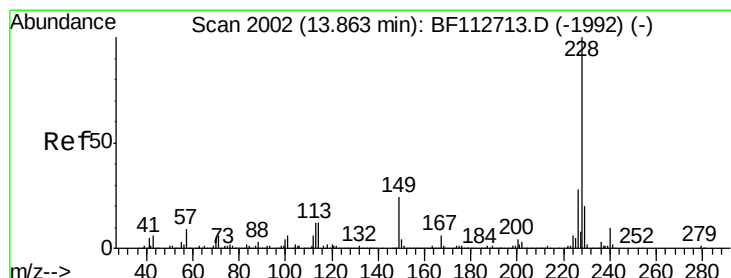
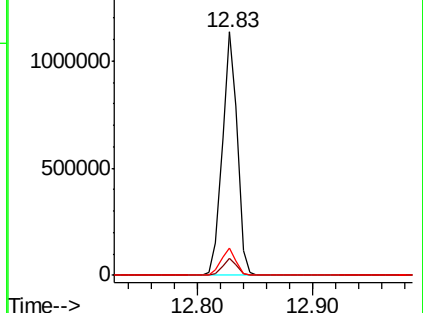
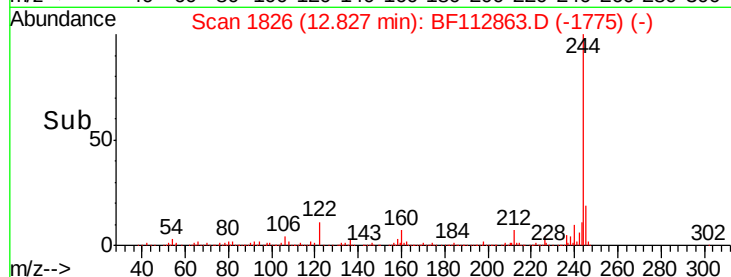
122 11.3 10.5 15.7



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



#81

Benzo(a)anthracene

Concen: 3.081 ng

RT: 13.86 min Scan# 2002

Delta R.T. 0.00 min

Lab File: BF112863.D

Acq: 5 Mar 2019 20:19

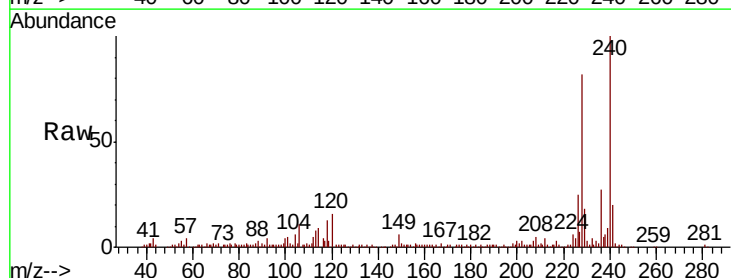
Tgt Ion:228 Resp: 95828

Ion Ratio Lower Upper

228 100

226 29.8 22.2 33.4

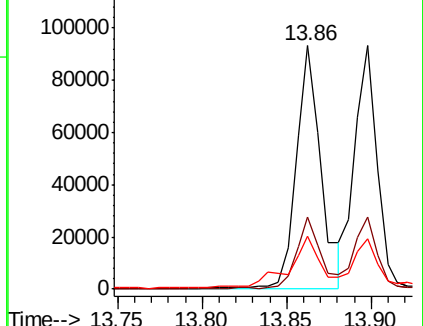
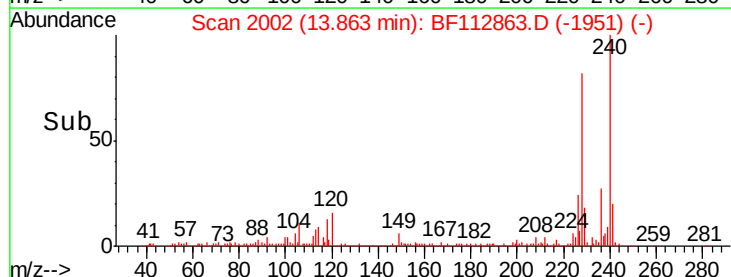
229 21.6 16.0 24.0

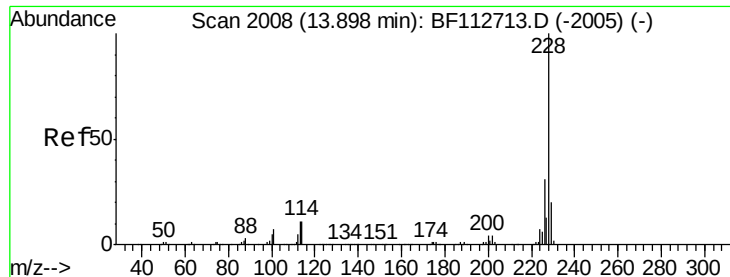


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 2.822 ng

RT: 13.90 min Scan# 2008

Delta R.T. 0.00 min

Lab File: BF112863.D

Acq: 5 Mar 2019 20:19

Instrument :

BNA_F

ClientSampleId :

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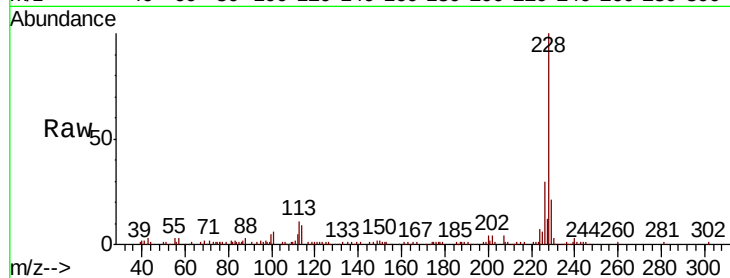
Tgt Ion:228 Resp: 85985

Ion Ratio Lower Upper

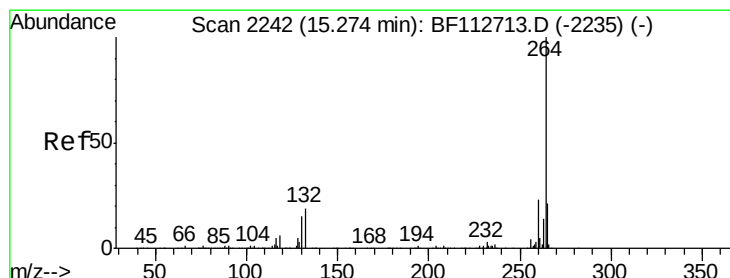
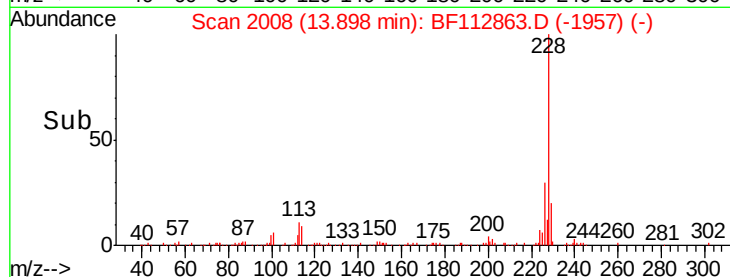
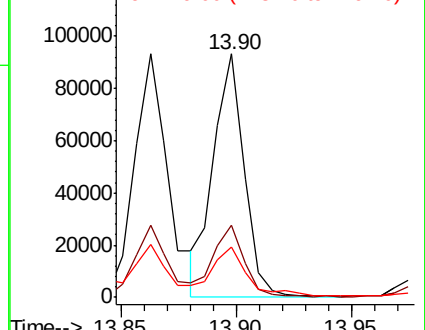
228 100

226 29.5 24.9 37.3

229 20.8 16.3 24.5



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



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.28 min Scan# 2243

Delta R.T. 0.01 min

Lab File: BF112863.D

Acq: 5 Mar 2019 20:19

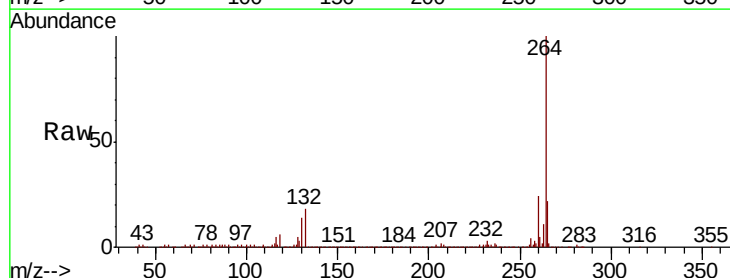
Tgt Ion:264 Resp: 469645

Ion Ratio Lower Upper

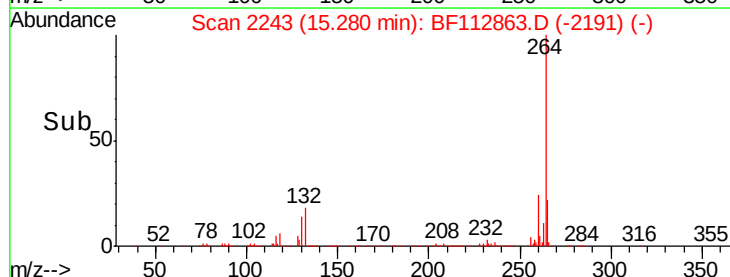
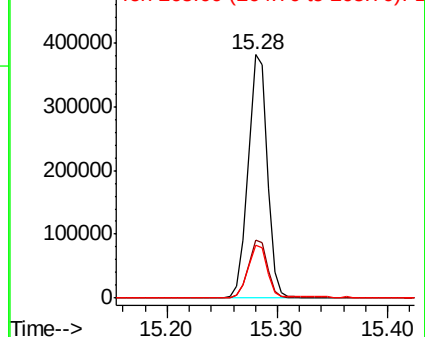
264 100

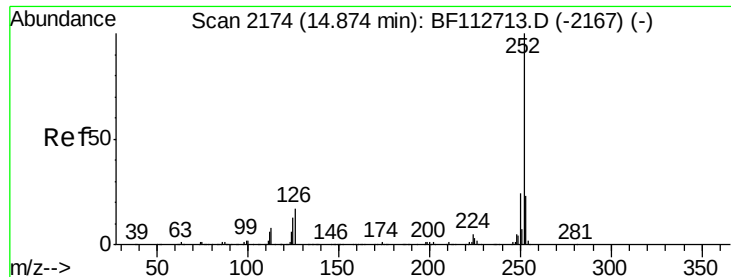
260 23.8 18.7 28.1

265 21.7 17.2 25.8



Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

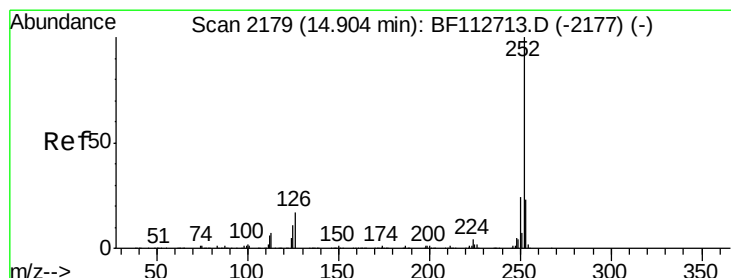
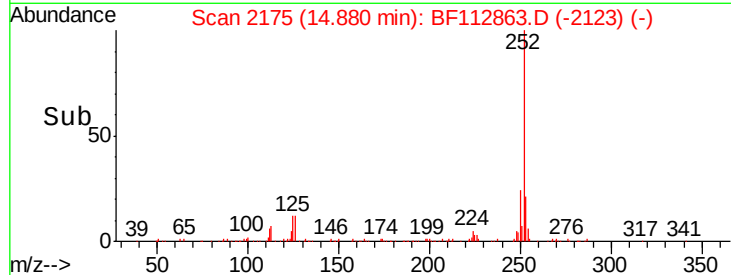
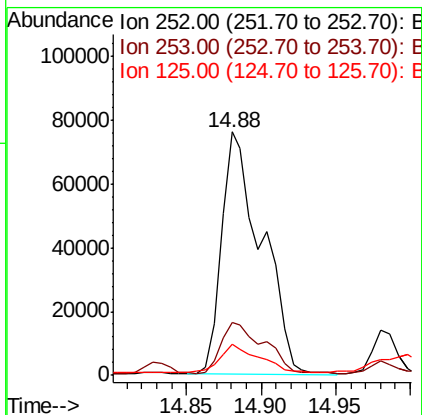
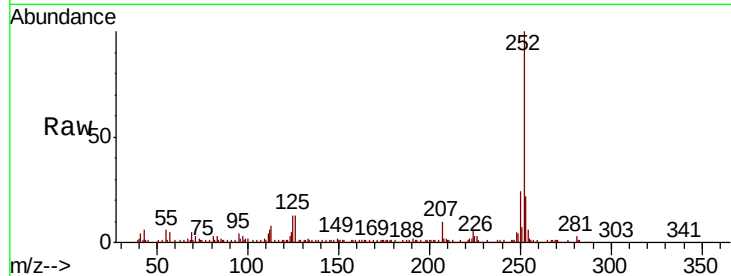




#88
Benzo(b)fluoranthene
Concen: 4.675 ng
RT: 14.88 min Scan# 2175
Delta R.T. 0.01 min
Lab File: BF112863.D
Acq: 5 Mar 2019 20:19

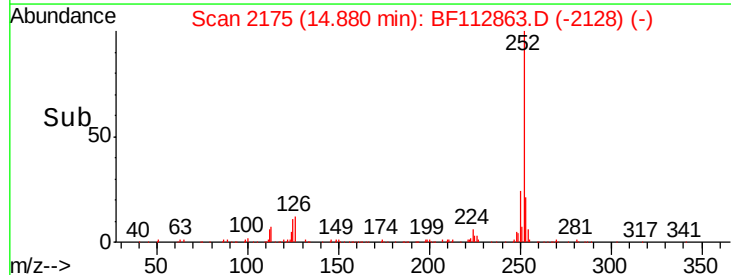
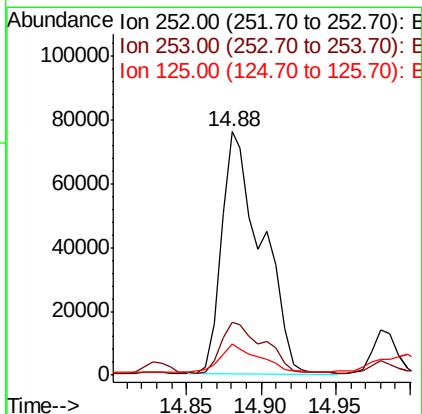
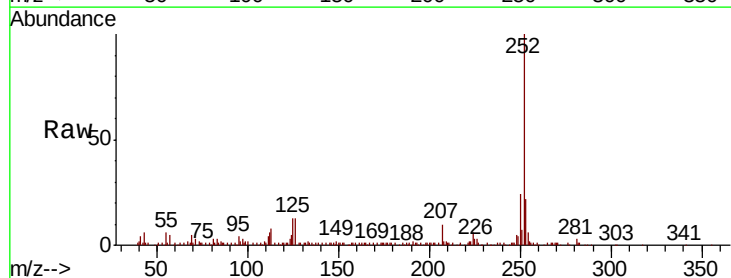
Instrument :
BNA_F
ClientSampleId :
EXT-028-SW010-022719

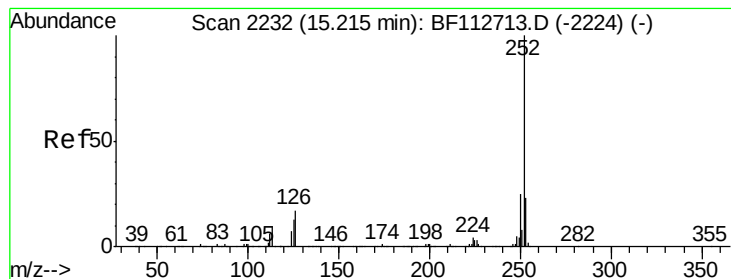
Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.6	18.0	27.0
125	12.8	10.2	15.2



#89
Benzo(k)fluoranthene
Concen: 5.161 ng
RT: 14.88 min Scan# 2175
Delta R.T. -0.02 min
Lab File: BF112863.D
Acq: 5 Mar 2019 20:19

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.6	18.2	27.2
125	12.8	9.8	14.6





#90

Benzo(a)pyrene

Concen: 2.713 ng

RT: 15.22 min Scan# 2233

Delta R.T. 0.01 min

Lab File: BF112863.D

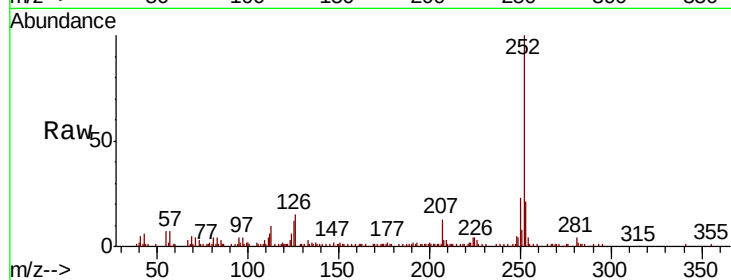
Acq: 5 Mar 2019 20:19

Instrument :

BNA_F

ClientSampleId :

EXT-028-SW010-022719



Tgt Ion:252 Resp: 72901

Ion Ratio Lower Upper

252 100

253 21.5 18.0 27.0

125 11.7 10.7 16.1

