

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF031819\
 Data File : BF113088.D
 Acq On : 18 Mar 2019 14:15
 Operator : JU/SJ
 Sample : K1901-04
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-3(7-8)

Quant Time: Mar 19 04:49:12 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 13 03:42:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	174583	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	626315	20.00	ng	0.00
39) Acenaphthene-d10	9.76	164	267705	20.00	ng	-0.01
64) Phenanthrene-d10	11.24	188	462200	20.00	ng	0.00
76) Chrysene-d12	13.87	240	451785	20.00	ng	0.00
87) Perylene-d12	15.28	264	436122	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.35	112	795532	70.88	ng	0.00
7) Phenol-d6	6.37	99	1004936	71.28	ng	0.00
23) Nitrobenzene-d5	7.29	82	619091	59.15	ng	-0.01
42) 2,4,6-Tribromophenol	10.54	330	234519	82.52	ng	0.00
45) 2-Fluorobiphenyl	9.08	172	910343	50.60	ng	-0.01
79) Terphenyl-d14	12.82	244	635656	27.27	ng	0.00

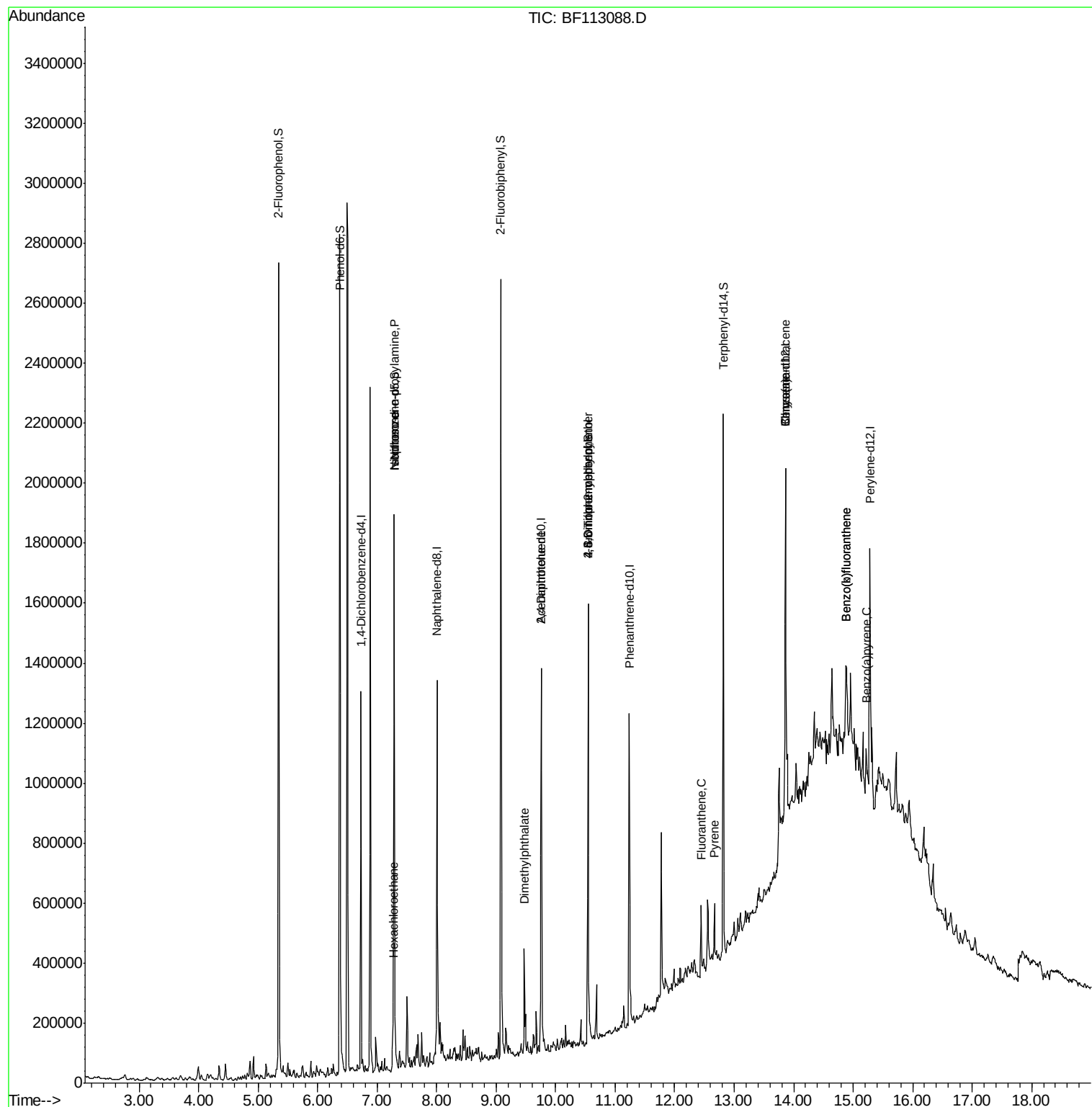
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
18) Hexachloroethane	7.26	117	18357	3.703	ng	# 41
19) n-Nitroso-di-n-propylamine	7.29	70	82204	9.206	ng	# 77
25) Isophorone	7.29	82	606097	26.879	ng	# 66
50) Dimethylphthalate	9.47	163	89123	4.515	ng	# 97
57) 2,4-Dinitrotoluene	9.76	165	34697	6.791	ng	# 18
65) 4,6-Dinitro-2-methylphenol	10.54	198	368	4.788	ng	# 1
67) 4-Bromophenyl-phenylether	10.54	248	13088	2.688	ng	# 1
75) Fluoranthene	12.44	202	92091	3.738	ng	95
78) Pyrene	12.67	202	92022	2.416	ng	96
81) Benzo(a)anthracene	13.86	228	80824	2.581	ng	# 95
83) Chrysene	13.86	228	80824	2.635	ng	94
88) Benzo(b)fluoranthene	14.88	252	163768	5.805	ng	# 90
89) Benzo(k)fluoranthene	14.88	252	163768	6.409	ng	# 90
90) Benzo(a)pyrene	15.22	252	82903	3.323	ng	# 92

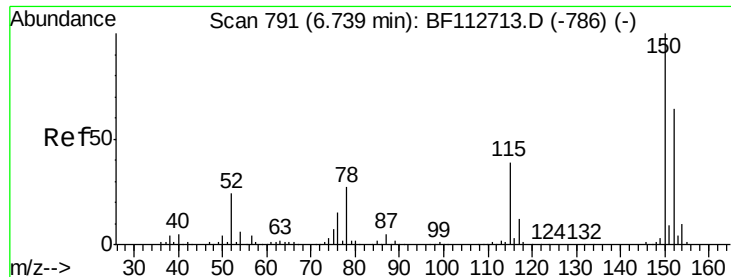
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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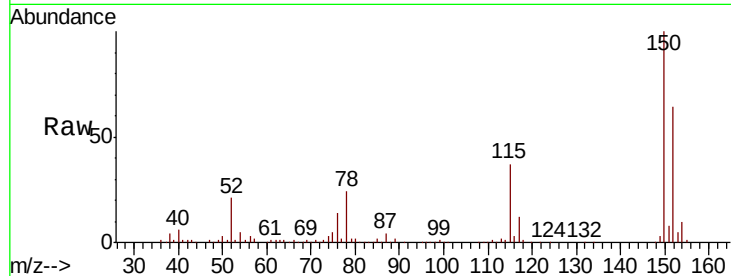


#1

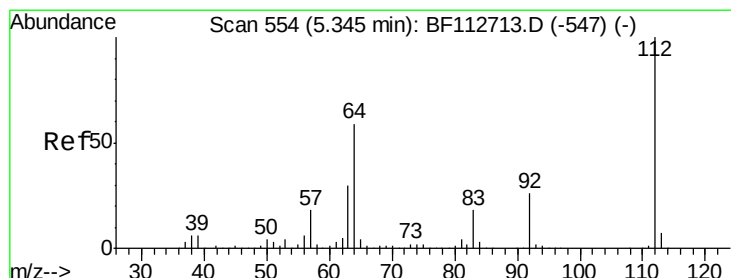
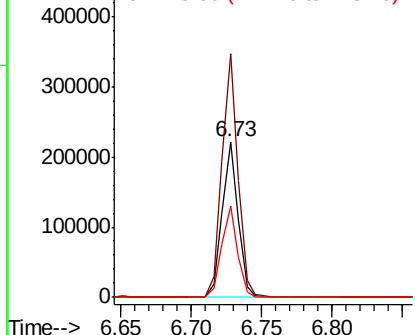
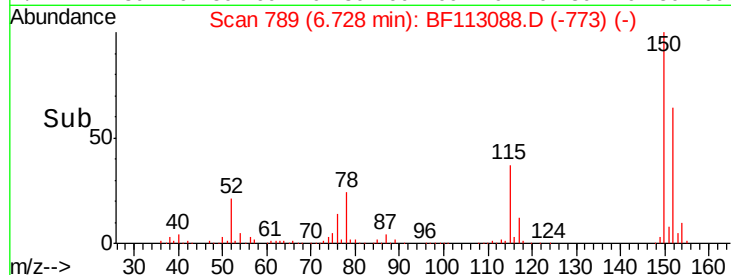
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 789
Delta R.T. -0.01 min
Lab File: BF113088.D
Acq: 18 Mar 2019 14:15

Instrument :
BNA_F
ClientSampleId :
SB-3(7-8)

Tgt Ion:152 Resp: 174583
Ion Ratio Lower Upper
152 100
150 156.7 124.2 186.2
115 58.7 48.2 72.4



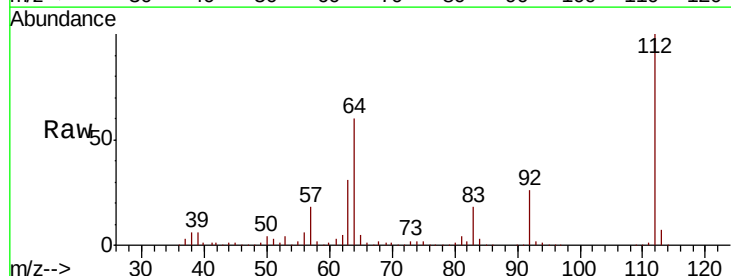
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



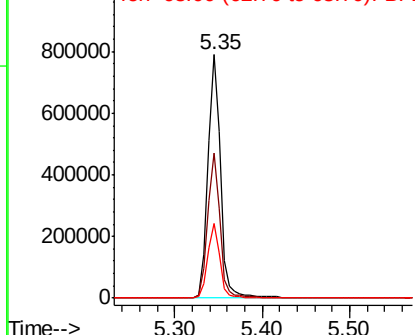
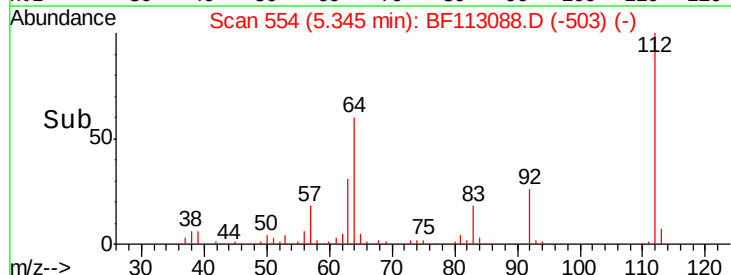
#5

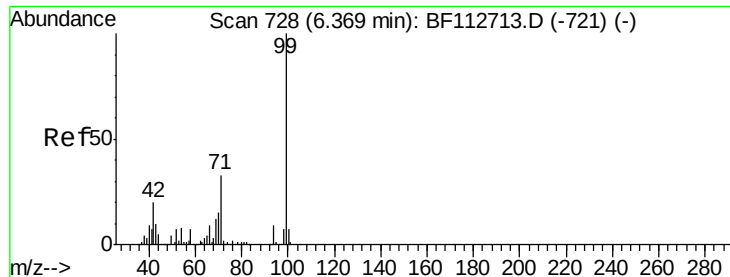
2-Fluorophenol
Concen: 70.882 ng
RT: 5.35 min Scan# 554
Delta R.T. -0.00 min
Lab File: BF113088.D
Acq: 18 Mar 2019 14:15

Tgt Ion:112 Resp: 795532
Ion Ratio Lower Upper
112 100
64 59.6 47.6 71.4
63 30.9 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: 71.281 ng

RT: 6.37 min Scan# 729

Delta R.T. -0.00 min

Lab File: BF113088.D

Acq: 18 Mar 2019 14:15

Instrument :

BNA_F

ClientSampleId :

SB-3(7-8)

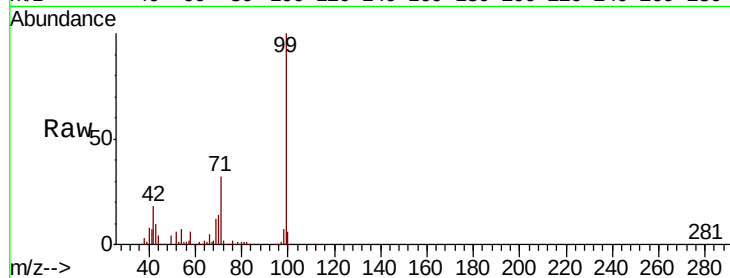
Tgt Ion: 99 Resp: 1004936

Ion Ratio Lower Upper

99 100

42 18.0 16.3 24.5

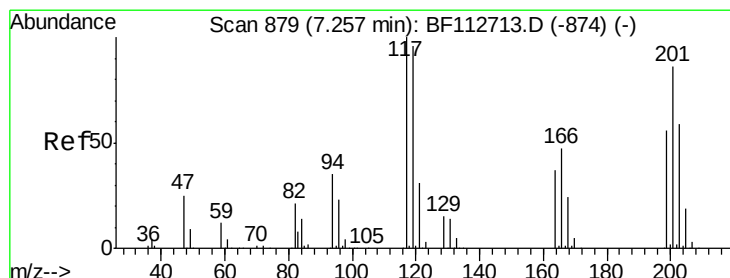
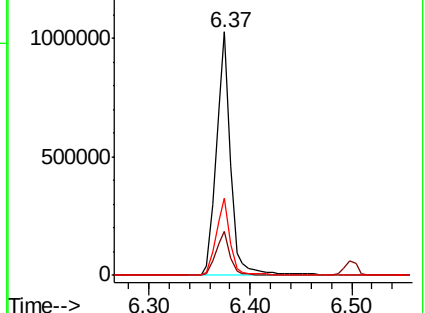
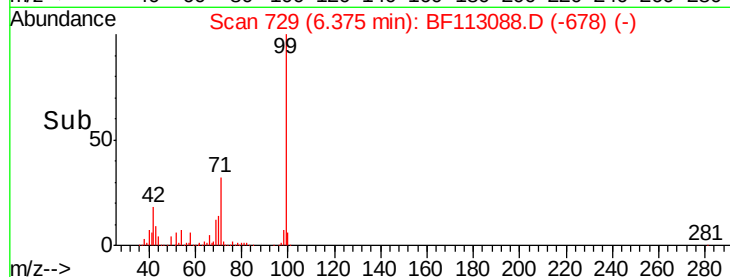
71 31.8 26.2 39.4



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



#18

Hexachloroethane

Concen: 3.703 ng

RT: 7.26 min Scan# 880

Delta R.T. 0.02 min

Lab File: BF113088.D

Acq: 18 Mar 2019 14:15

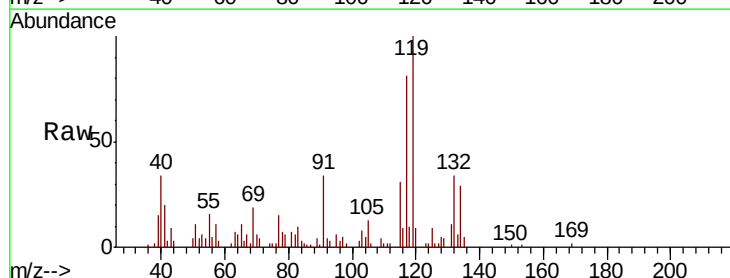
Tgt Ion: 117 Resp: 18357

Ion Ratio Lower Upper

117 100

119 123.7 76.6 115.0#

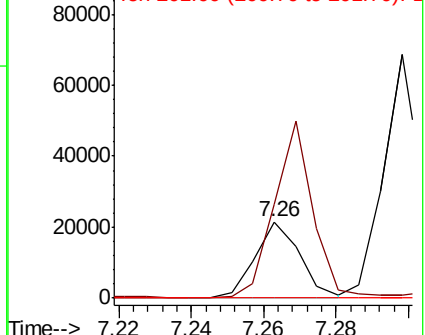
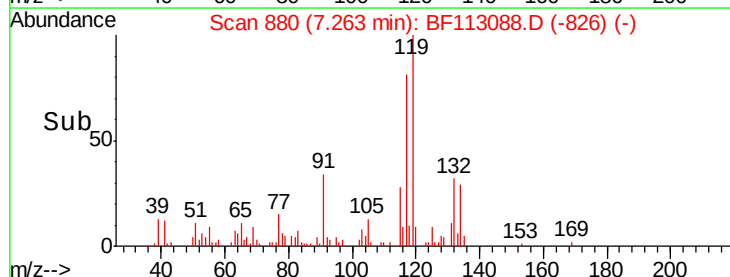
201 0.0 68.9 103.3#

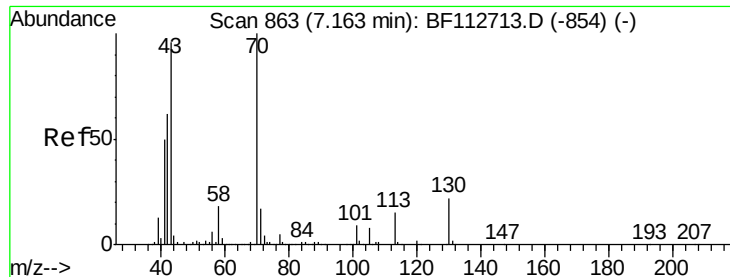


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

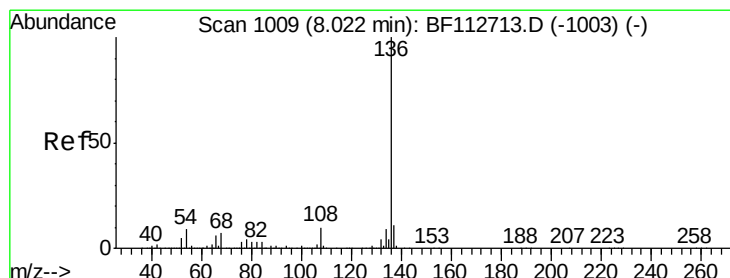
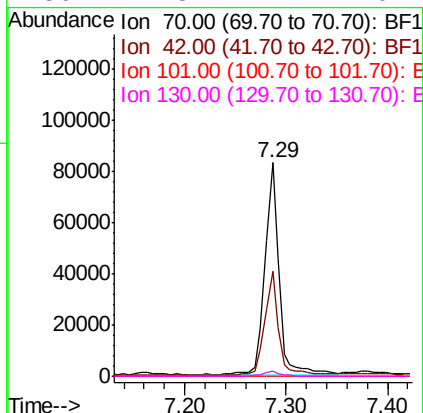
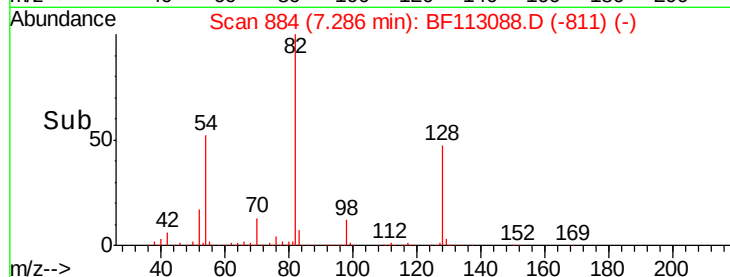
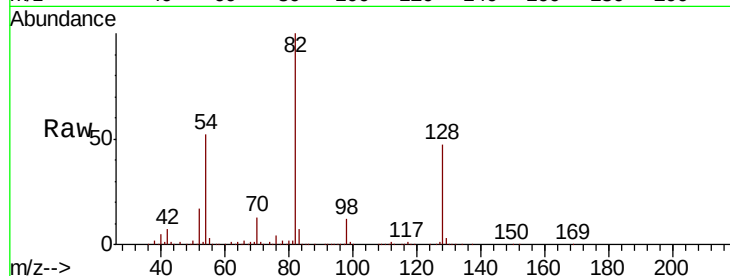




#19
n-Nitroso-di-n-propylamine
Concen: 9.206 ng
RT: 7.29 min Scan# 884
Delta R.T. 0.13 min
Lab File: BF113088.D
Acq: 18 Mar 2019 14:15

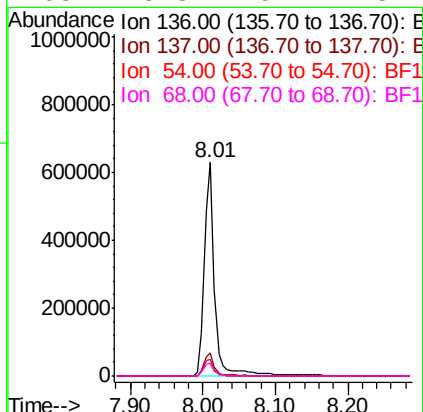
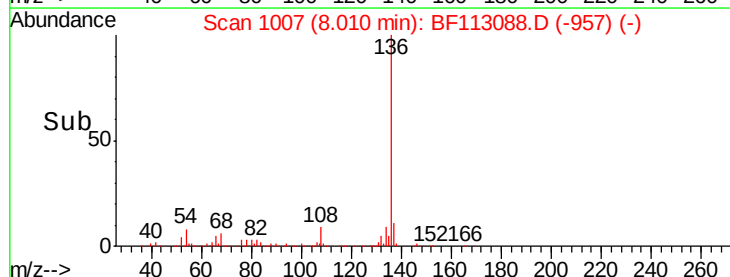
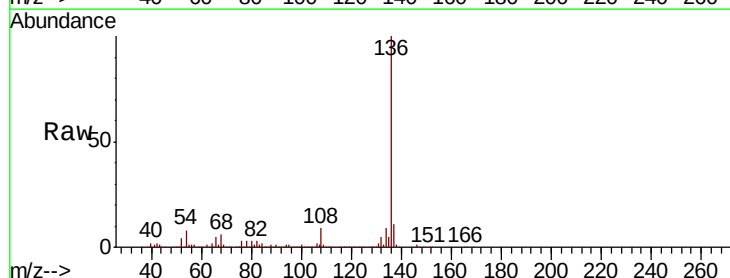
Instrument :
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SB-3(7-8)

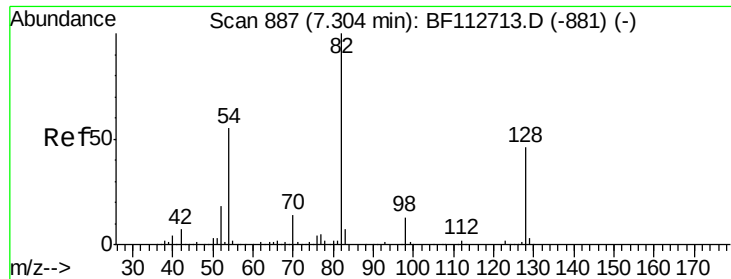
Tgt Ion: 70 Resp: 82204
Ion Ratio Lower Upper
70 100
42 49.4 49.9 74.9#
101 0.0 7.4 11.2#
130 2.3 17.4 26.2#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.01 min Scan# 1007
Delta R.T. -0.01 min
Lab File: BF113088.D
Acq: 18 Mar 2019 14:15

Tgt Ion: 136 Resp: 626315
Ion Ratio Lower Upper
136 100
137 10.9 8.9 13.3
54 7.8 7.3 10.9
68 5.8 5.4 8.2

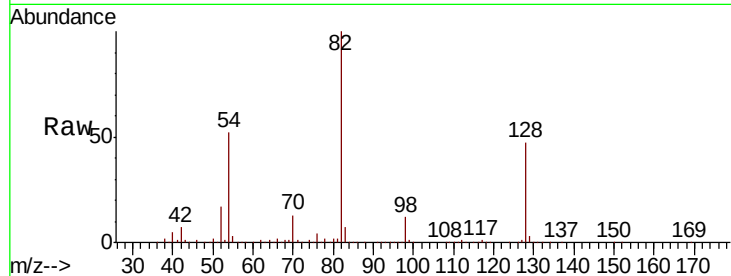




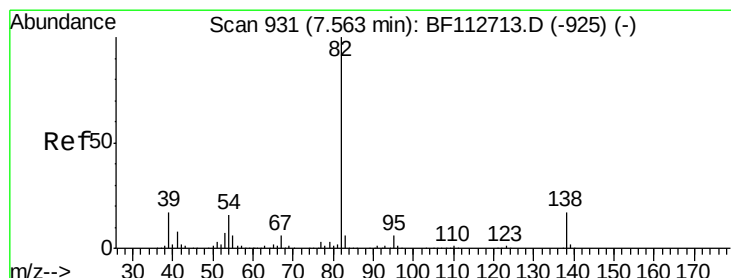
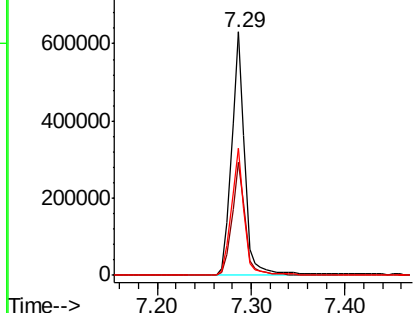
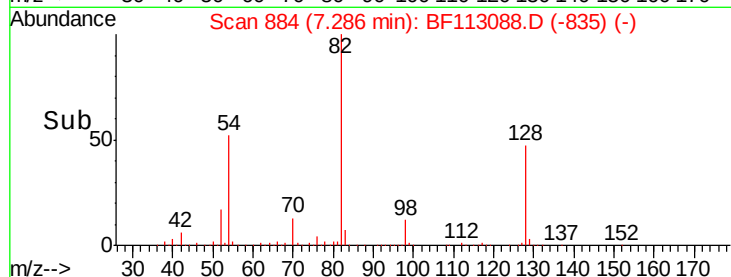
#23
Nitrobenzene-d5
Concen: 59.148 ng
RT: 7.29 min Scan# 884
Delta R.T. -0.01 min
Lab File: BF113088.D
Acq: 18 Mar 2019 14:15

Instrument :
BNA_F
ClientSampled :
SB-3(7-8)

Tgt Ion	Ratio	Lower	Upper
82	100		
128	46.5	36.3	54.5
54	52.3	43.7	65.5

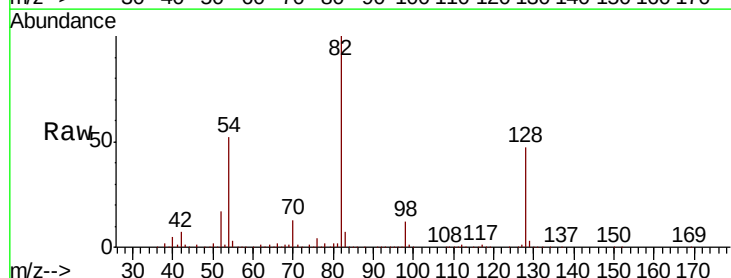


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

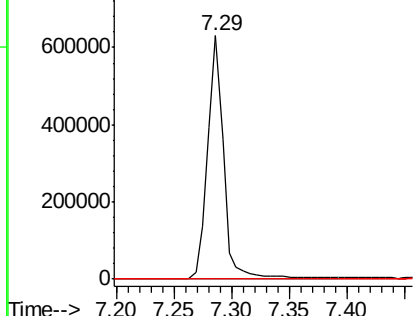
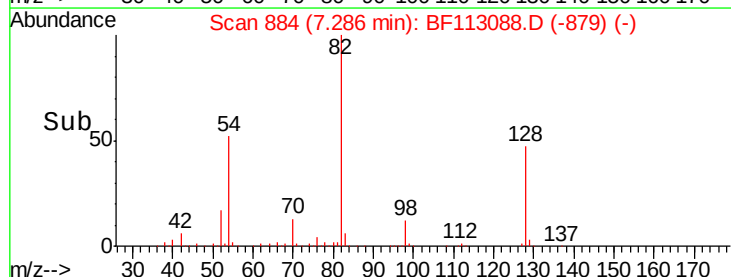


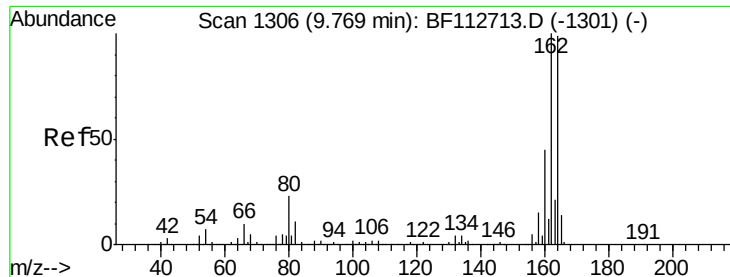
#25
Isophorone
Concen: 26.879 ng
RT: 7.29 min Scan# 884
Delta R.T. -0.27 min
Lab File: BF113088.D
Acq: 18 Mar 2019 14:15

Tgt Ion	Ratio	Lower	Upper
82	100		
95	0.3	5.2	7.8#
138	0.0	13.8	20.8#



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

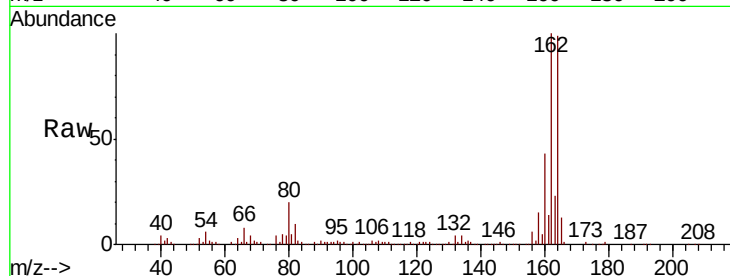




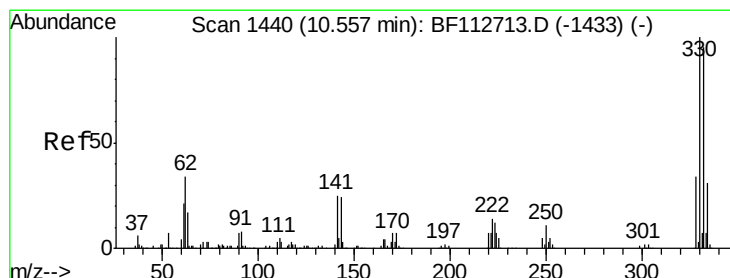
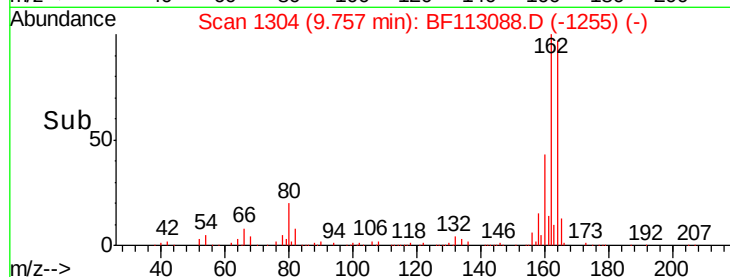
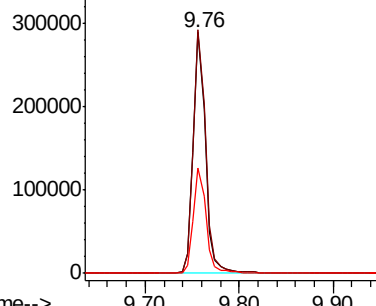
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.76 min Scan# 1304
 Delta R.T. -0.01 min
 Lab File: BF113088.D
 Acq: 18 Mar 2019 14:15

Instrument :
 BNA_F
 ClientSampleId :
 SB-3(7-8)

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.2	80.6	120.8
160	43.9	36.0	54.0

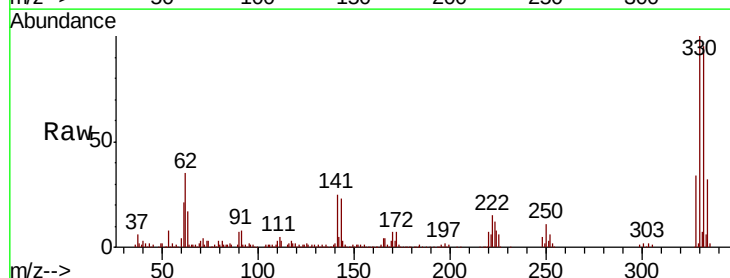


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

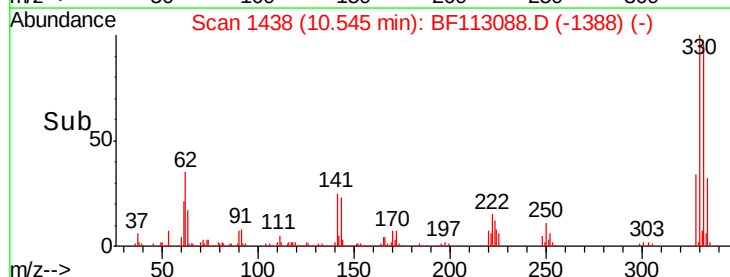
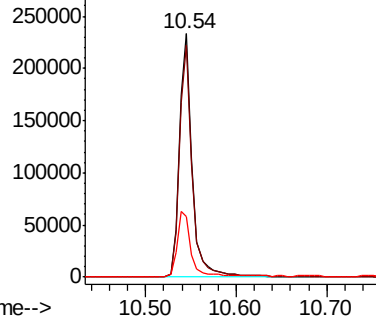


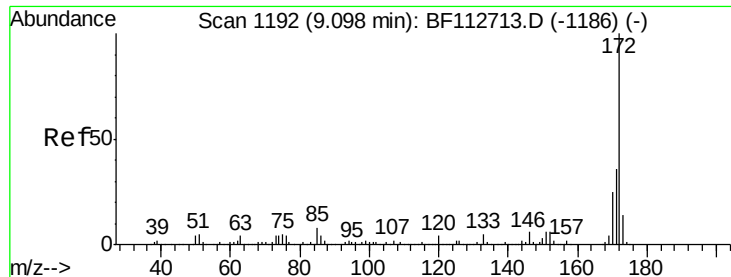
#42
 2,4,6-Tribromophenol
 Concen: 82.518 ng
 RT: 10.54 min Scan# 1438
 Delta R.T. -0.01 min
 Lab File: BF113088.D
 Acq: 18 Mar 2019 14:15

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.5	76.2	114.4
141	27.9	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

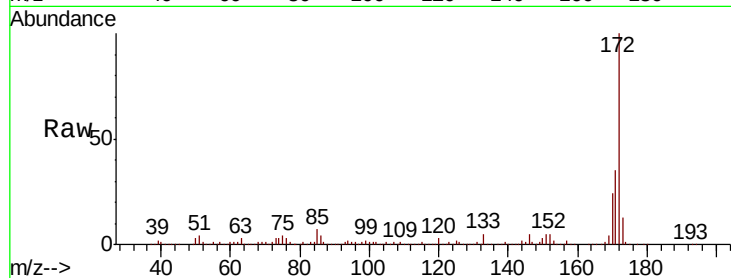




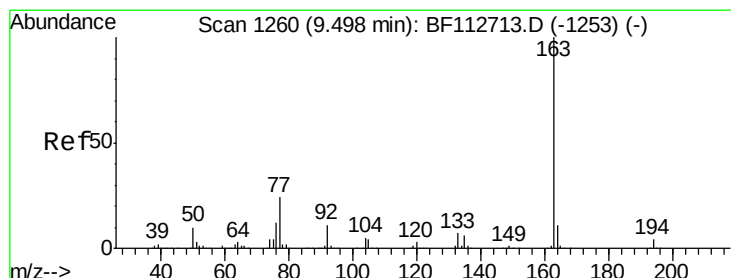
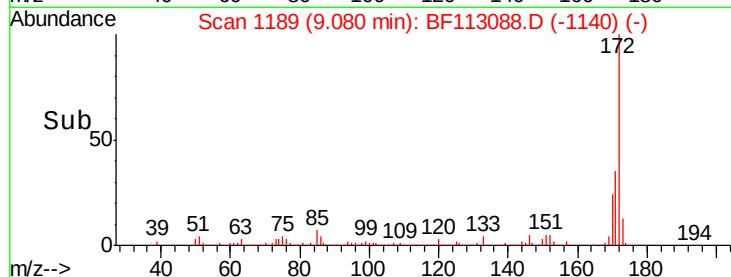
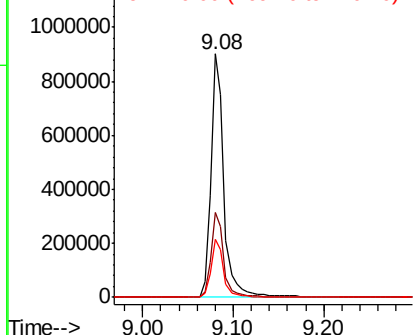
#45
2-Fluorobiphenyl
Concen: 50.604 ng
RT: 9.08 min Scan# 1189
Delta R.T. -0.01 min
Lab File: BF113088.D
Acq: 18 Mar 2019 14:15

Instrument :
BNA_F
ClientSampleId :
SB-3(7-8)

Tgt Ion:172 Resp: 910343
Ion Ratio Lower Upper
172 100
171 35.0 29.0 43.4
170 23.7 20.0 30.0

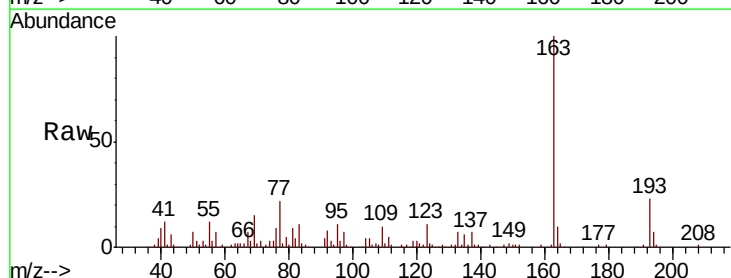


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

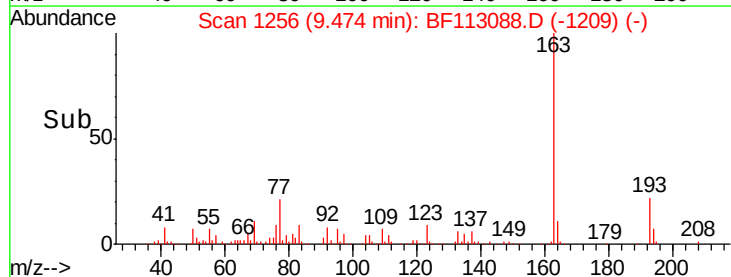
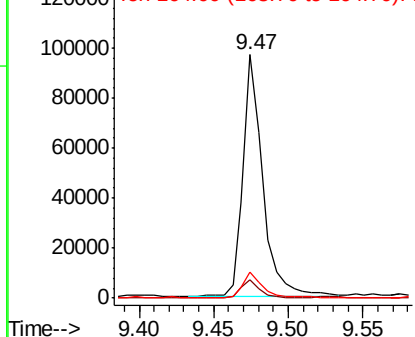


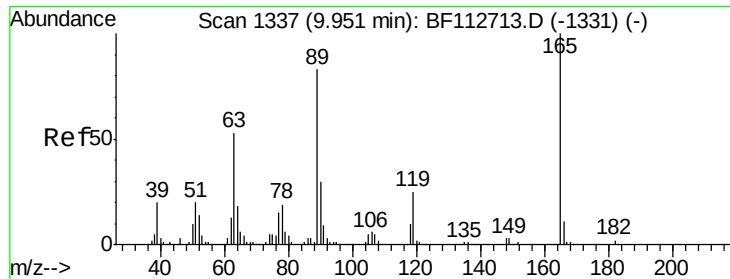
#50
Dimethylphthalate
Concen: 4.515 ng
RT: 9.47 min Scan# 1256
Delta R.T. -0.02 min
Lab File: BF113088.D
Acq: 18 Mar 2019 14:15

Tgt Ion:163 Resp: 89123
Ion Ratio Lower Upper
163 100
194 7.4 3.0 4.4#
164 10.4 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





#57

2,4-Dinitrotoluene

Concen: 6.791 ng

RT: 9.76 min Scan# 1304

Delta R.T. -0.20 min

Lab File: BF113088.D

Acq: 18 Mar 2019 14:15

Instrument :

BNA_F

ClientSampleId :

SB-3(7-8)

Tgt Ion:165 Resp: 34697

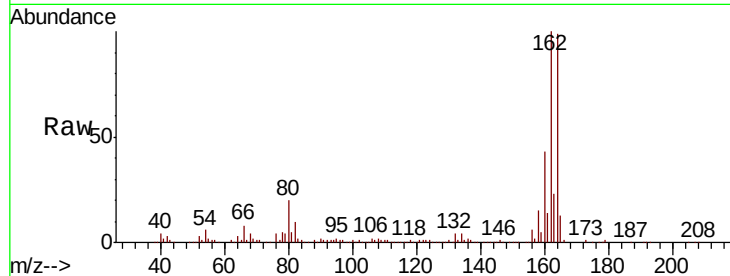
Ion Ratio Lower Upper

165 100

63 1.3 42.2 63.2#

89 1.7 66.2 99.4#

182 0.0 1.8 2.6#

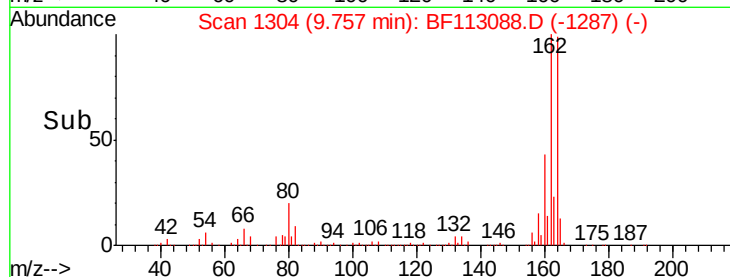


Abundance Ion 165.00 (164.70 to 165.70): E

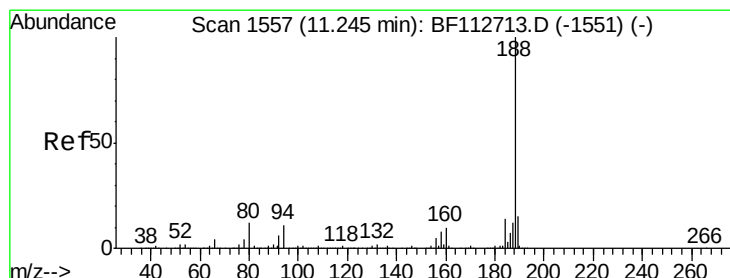
Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



Time-->



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.24 min Scan# 1556

Delta R.T. -0.01 min

Lab File: BF113088.D

Acq: 18 Mar 2019 14:15

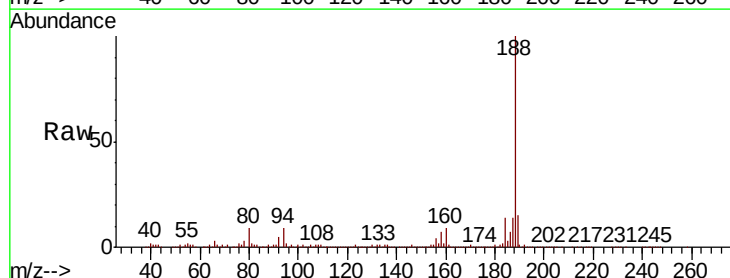
Tgt Ion:188 Resp: 462200

Ion Ratio Lower Upper

188 100

94 8.5 9.0 13.4#

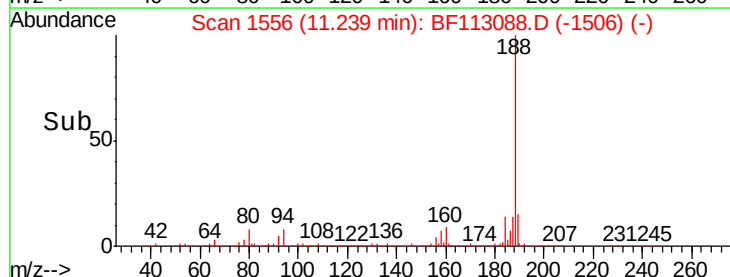
80 8.6 9.2 13.8#



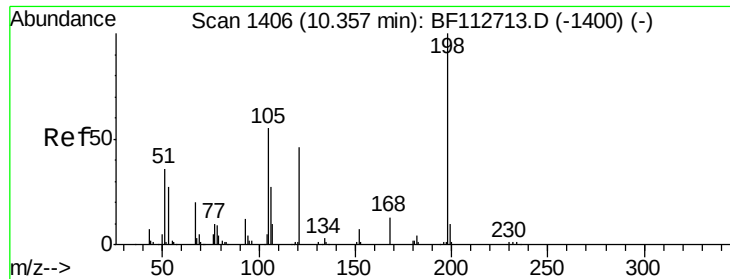
Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



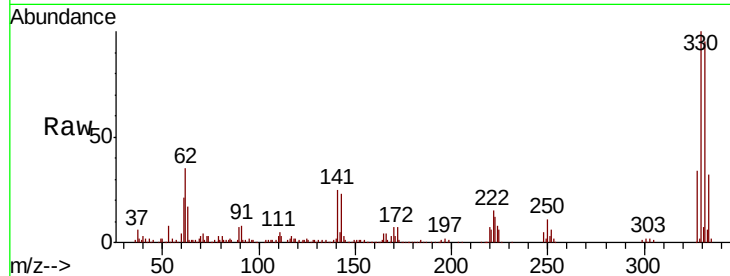
Time-->



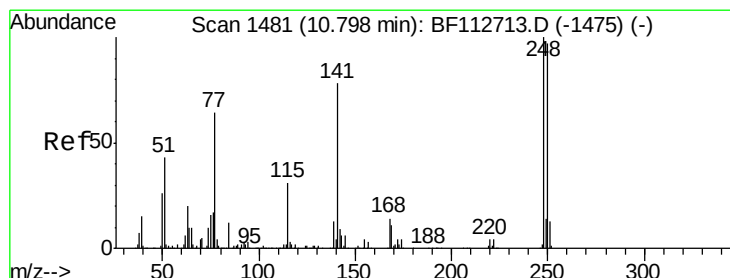
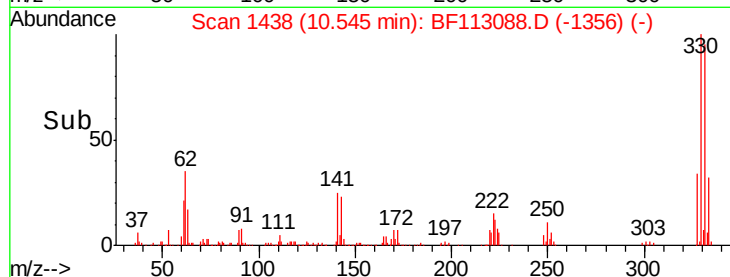
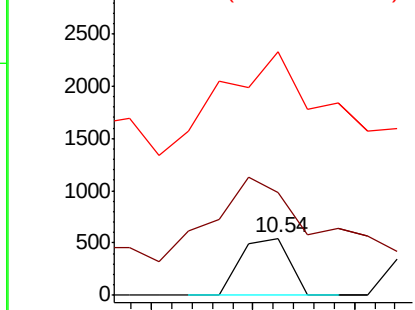
#65
 4,6-Dinitro-2-methylphenol
 Concen: 4.788 ng
 RT: 10.54 min Scan# 1438
 Delta R.T. 0.18 min
 Lab File: BF113088.D
 Acq: 18 Mar 2019 14:15

Instrument :
 BNA_F
 ClientSampleId :
 SB-3(7-8)

Tgt Ion:198 Resp: 368
 Ion Ratio Lower Upper
 198 100
 51 179.8 43.8 83.8#
 105 427.2 36.5 76.5#

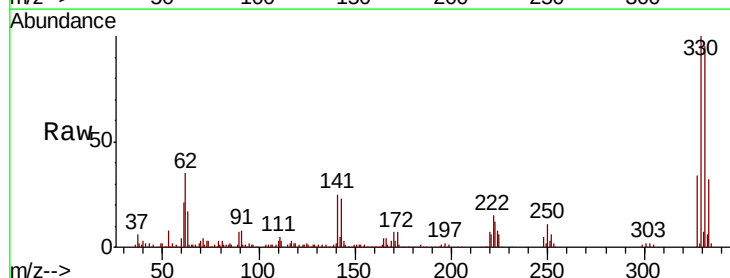


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

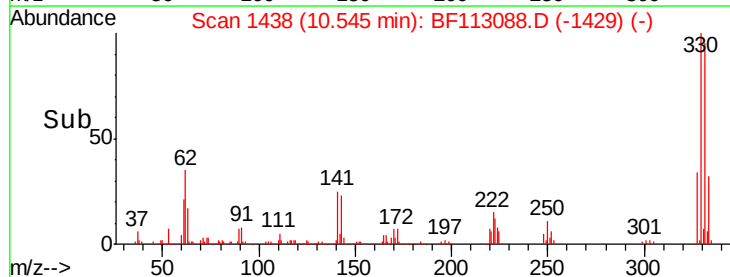
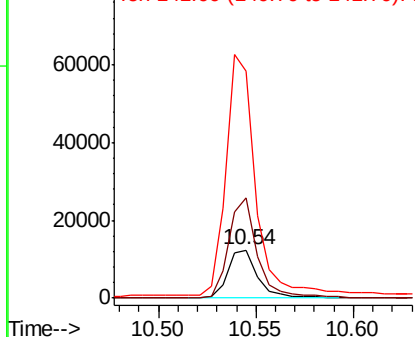


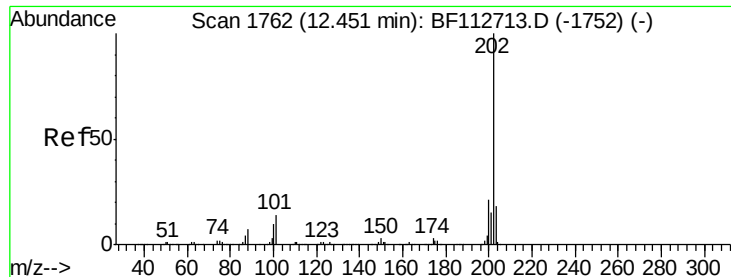
#67
 4-Bromophenyl-phenylether
 Concen: 2.688 ng
 RT: 10.54 min Scan# 1438
 Delta R.T. -0.25 min
 Lab File: BF113088.D
 Acq: 18 Mar 2019 14:15

Tgt Ion:248 Resp: 13088
 Ion Ratio Lower Upper
 248 100
 250 205.9 77.5 116.3#
 141 467.9 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





#75

Fluoranthene

Concen: 3.738 ng

RT: 12.44 min Scan# 1761

Delta R.T. -0.01 min

Lab File: BF113088.D

Acq: 18 Mar 2019 14:15

Instrument :

BNA_F

ClientSampled :

SB-3(7-8)

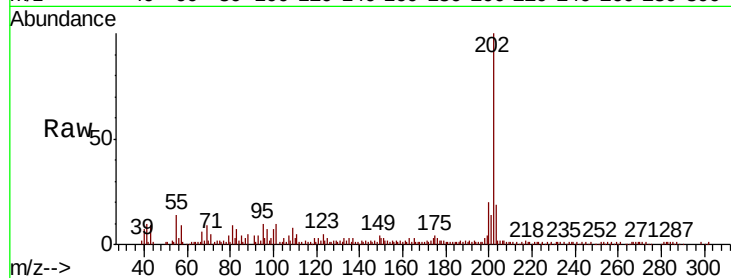
Tgt Ion:202 Resp: 92091

Ion Ratio Lower Upper

202 100

101 10.4 0.0 33.8

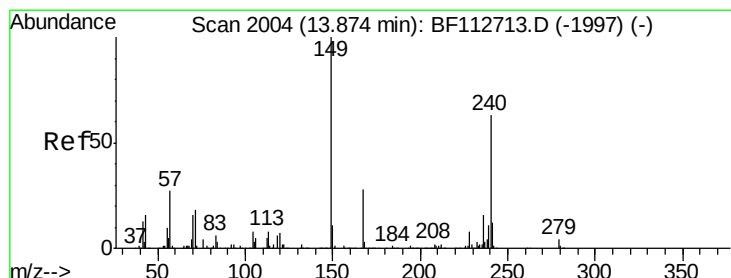
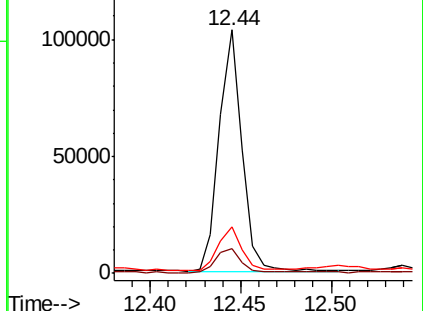
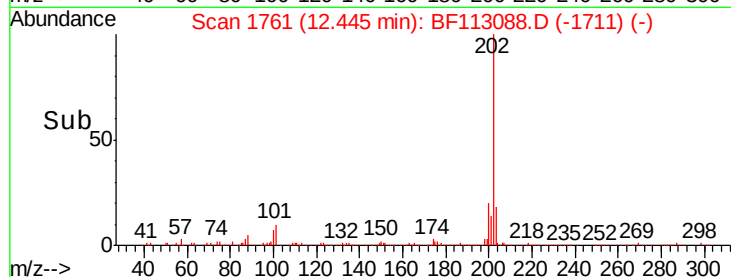
203 19.2 0.0 38.4



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# 2003

Delta R.T. -0.00 min

Lab File: BF113088.D

Acq: 18 Mar 2019 14:15

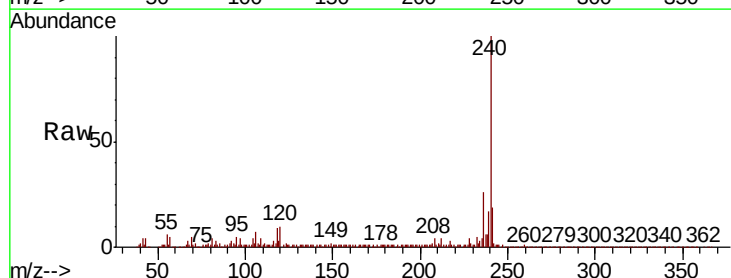
Tgt Ion:240 Resp: 451785

Ion Ratio Lower Upper

240 100

120 9.9 8.9 13.3

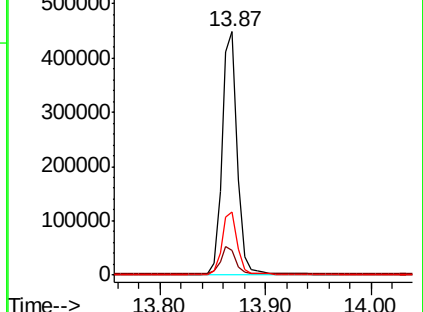
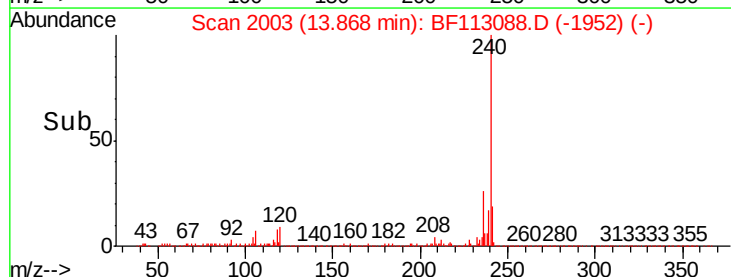
236 26.0 20.7 31.1

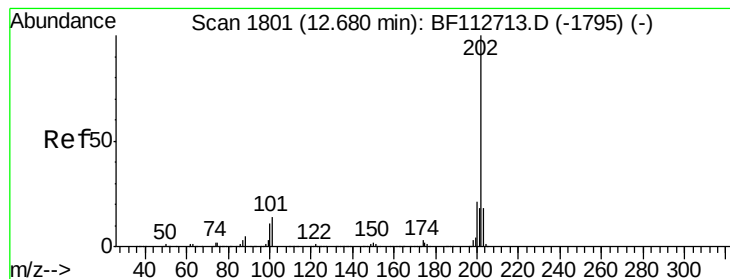


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pyrene

Concen: 2.416 ng

RT: 12.67 min Scan# 1799

Delta R.T. -0.01 min

Lab File: BF113088.D

Acq: 18 Mar 2019 14:15

Instrument :

BNA_F

ClientSampleId :

SB-3(7-8)

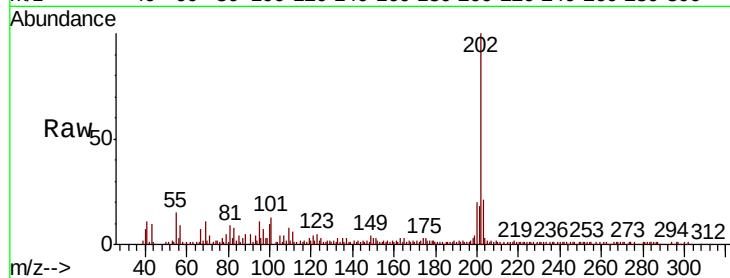
Tgt Ion:202 Resp: 92022

Ion Ratio Lower Upper

202 100

200 20.1 17.0 25.4

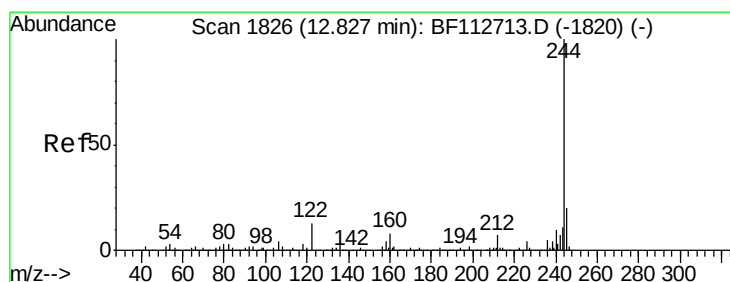
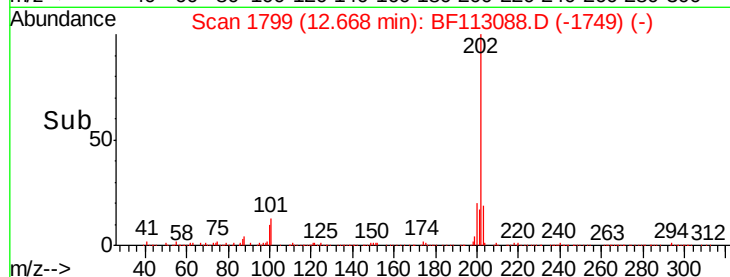
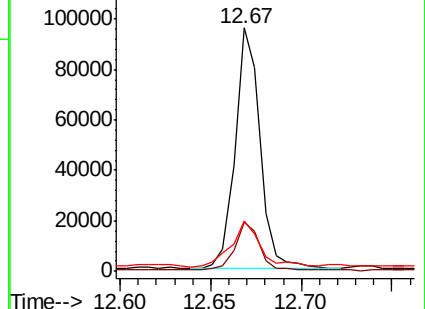
203 20.6 14.4 21.6



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: 27.274 ng

RT: 12.82 min Scan# 1824

Delta R.T. -0.01 min

Lab File: BF113088.D

Acq: 18 Mar 2019 14:15

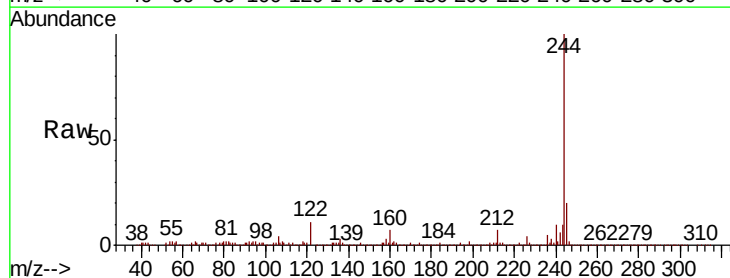
Tgt Ion:244 Resp: 635656

Ion Ratio Lower Upper

244 100

212 6.7 5.6 8.4

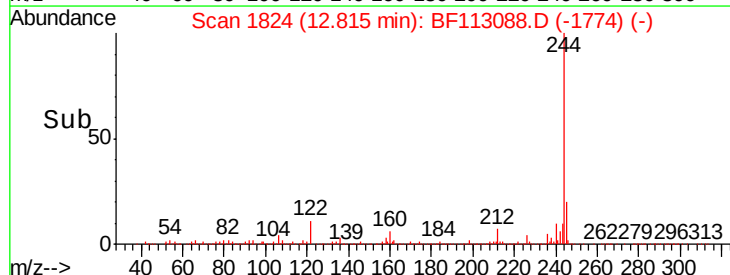
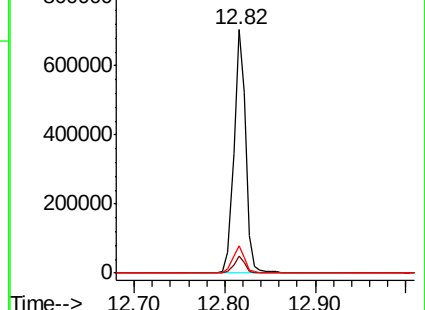
122 11.3 10.5 15.7

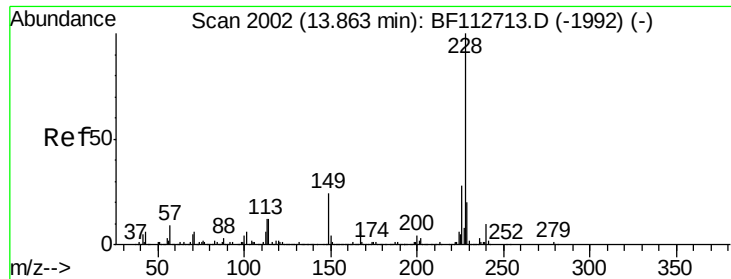


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#81

Benzo(a)anthracene

Concen: 2.581 ng

RT: 13.86 min Scan# 2001

Delta R.T. -0.00 min

Lab File: BF113088.D

Acq: 18 Mar 2019 14:15

Instrument :

BNA_F

ClientSampleId :

SB-3(7-8)

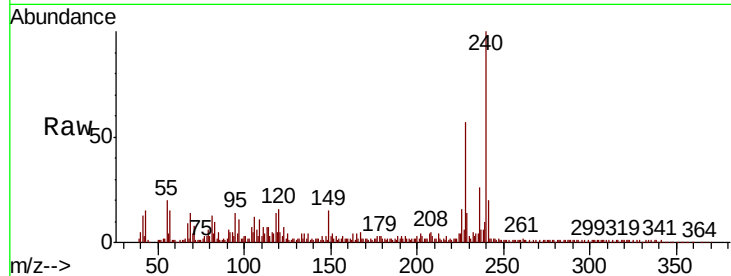
Tgt Ion:228 Resp: 80824

Ion Ratio Lower Upper

228 100

226 28.5 22.2 33.4

229 24.3 16.0 24.0#

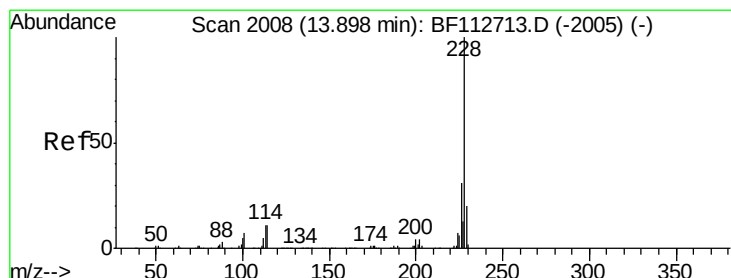
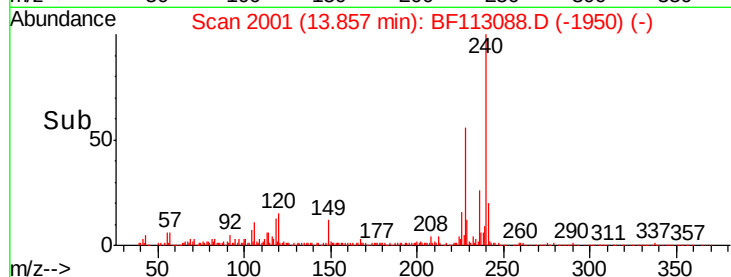
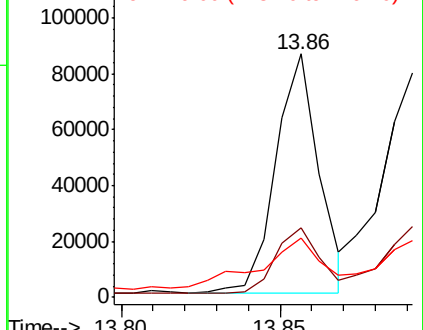


Abundance

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: 2.635 ng

RT: 13.86 min Scan# 2001

Delta R.T. -0.04 min

Lab File: BF113088.D

Acq: 18 Mar 2019 14:15

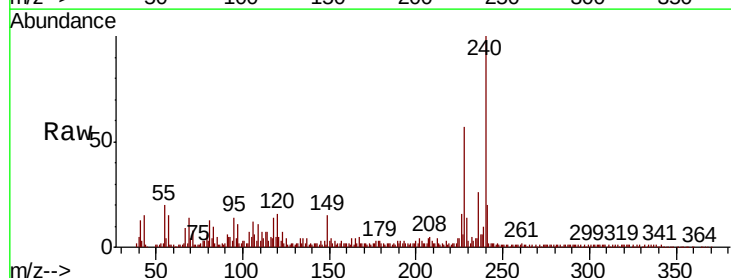
Tgt Ion:228 Resp: 80824

Ion Ratio Lower Upper

228 100

226 28.5 24.9 37.3

229 24.3 16.3 24.5

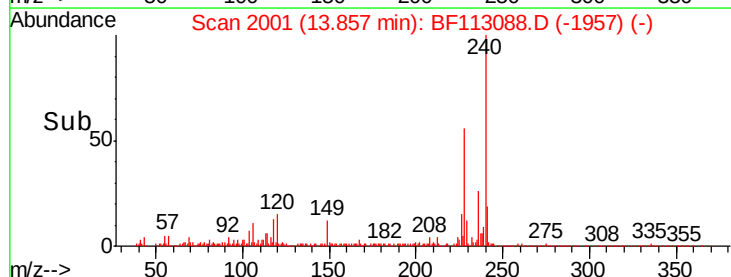
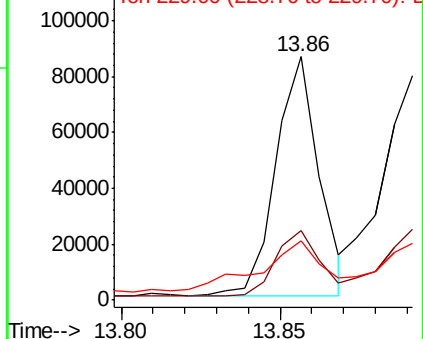


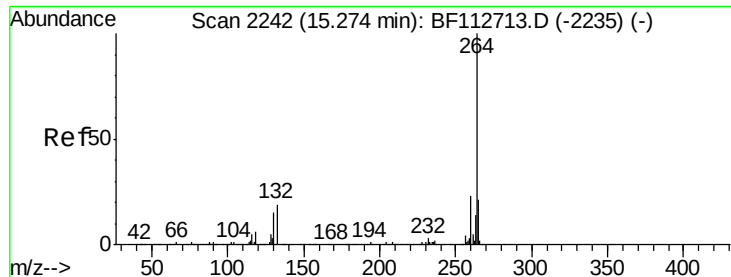
Abundance

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

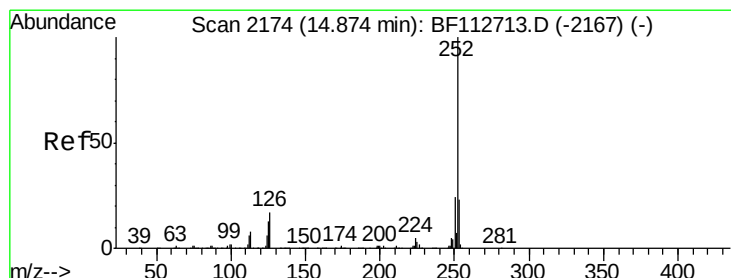
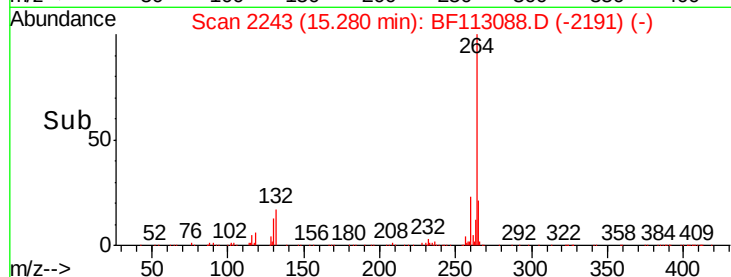
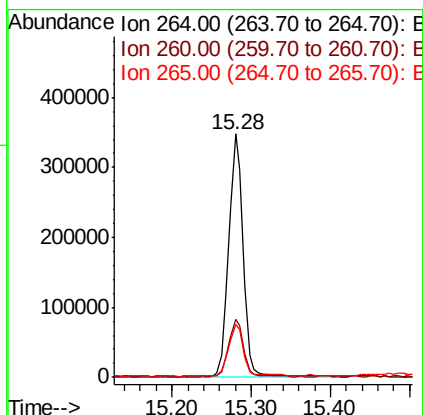
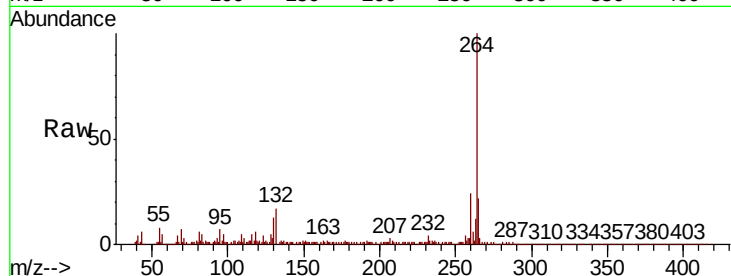




#87
Perylene-d12
Concen: 20.000 ng
RT: 15.28 min Scan# 2243
Delta R.T. 0.01 min
Lab File: BF113088.D
Acq: 18 Mar 2019 14:15

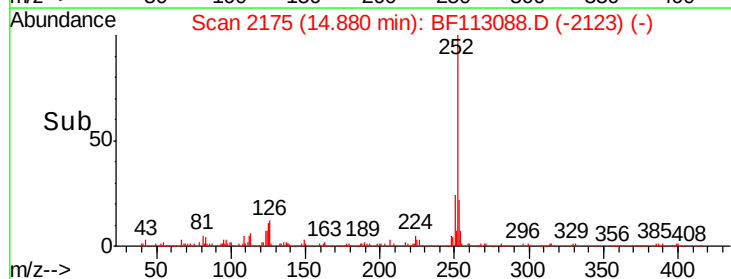
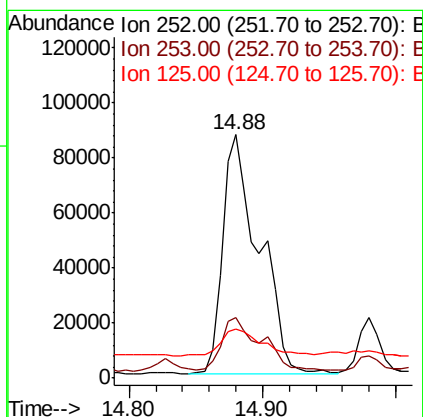
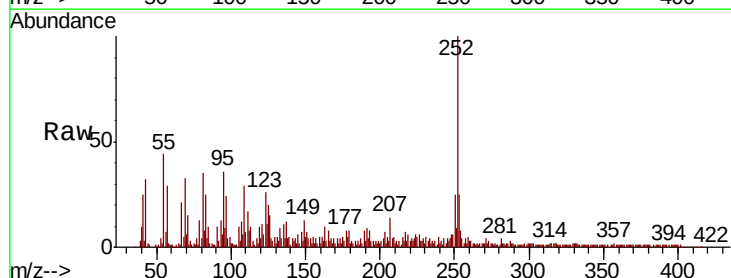
Instrument :
BNA_F
ClientSampleId :
SB-3(7-8)

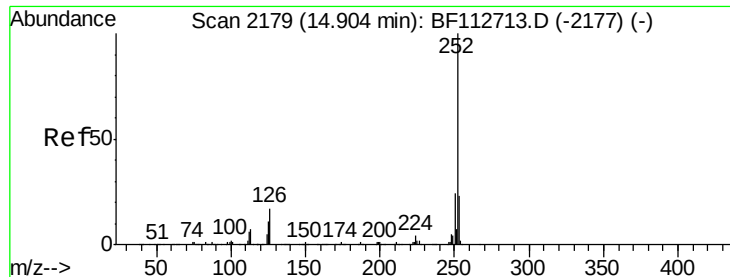
Tgt Ion:264 Resp: 436122
Ion Ratio Lower Upper
264 100
260 23.6 18.7 28.1
265 21.8 17.2 25.8



#88
Benzo(b)fluoranthene
Concen: 5.805 ng
RT: 14.88 min Scan# 2175
Delta R.T. 0.01 min
Lab File: BF113088.D
Acq: 18 Mar 2019 14:15

Tgt Ion:252 Resp: 163768
Ion Ratio Lower Upper
252 100
253 25.1 18.0 27.0
125 20.0 10.2 15.2#

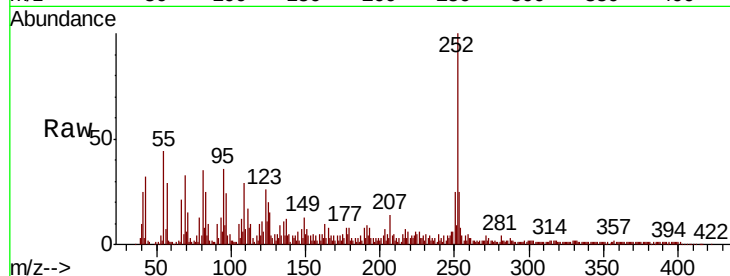




#89
Benzo(k)fluoranthene
Concen: 6.409 ng
RT: 14.88 min Scan# 2175
Delta R.T. -0.02 min
Lab File: BF113088.D
Acq: 18 Mar 2019 14:15

Instrument :
BNA_F
ClientSampleId :
SB-3(7-8)

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.1	18.2	27.2
125	20.0	9.8	14.6

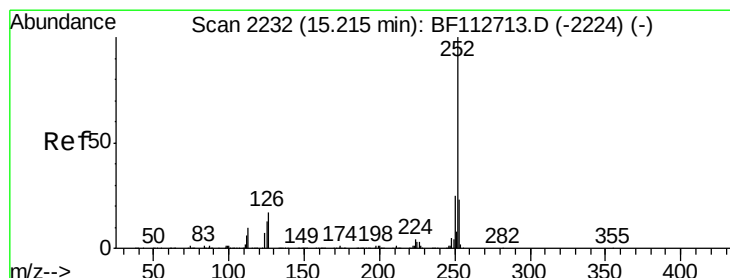
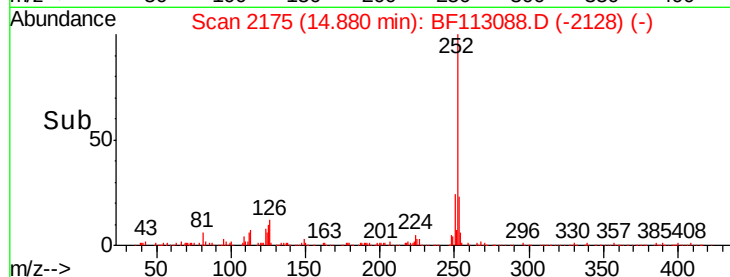
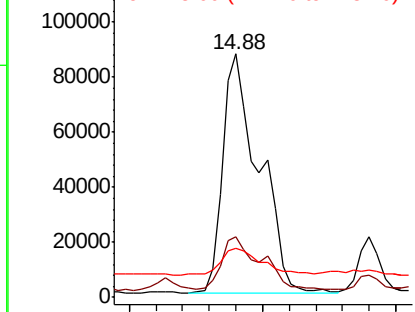


Abundance

Ion 252.00 (251.70 to 252.70): E

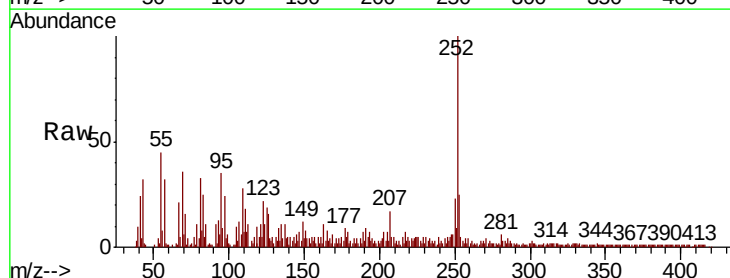
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90
Benzo(a)pyrene
Concen: 3.323 ng
RT: 15.22 min Scan# 2233
Delta R.T. 0.01 min
Lab File: BF113088.D
Acq: 18 Mar 2019 14:15

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.9	18.0	27.0
125	19.2	10.7	16.1



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

