

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF032119\
 Data File : BF113220.D
 Acq On : 21 Mar 2019 20:44
 Operator : JU/SJ
 Sample : K2004-09 20X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-22(7-8)

Quant Time: Mar 22 00:45:28 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : 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	6.72	152	173879	20.00	ng	-0.01
21) Naphthalene-d8	8.00	136	674195	20.00	ng	-0.01
39) Acenaphthene-d10	9.76	164	311124	20.00	ng	-0.01
64) Phenanthrene-d10	11.24	188	532786	20.00	ng	0.00
76) Chrysene-d12	13.87	240	384964	20.00	ng	0.00
87) Perylene-d12	15.30	264	325504	20.00	ng	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.33	112	23072	2.06	ng	-0.01
7) Phenol-d6	6.37	99	42448	3.02	ng	0.00
23) Nitrobenzene-d5	7.28	82	24263	2.15	ng	-0.02
42) 2,4,6-Tribromophenol	10.55	330	7758	2.35	ng	0.00
45) 2-Fluorobiphenyl	9.08	172	52549	0.76	ng	-0.01
79) Terphenyl-d14	12.82	244	40710	2.05	ng	0.00

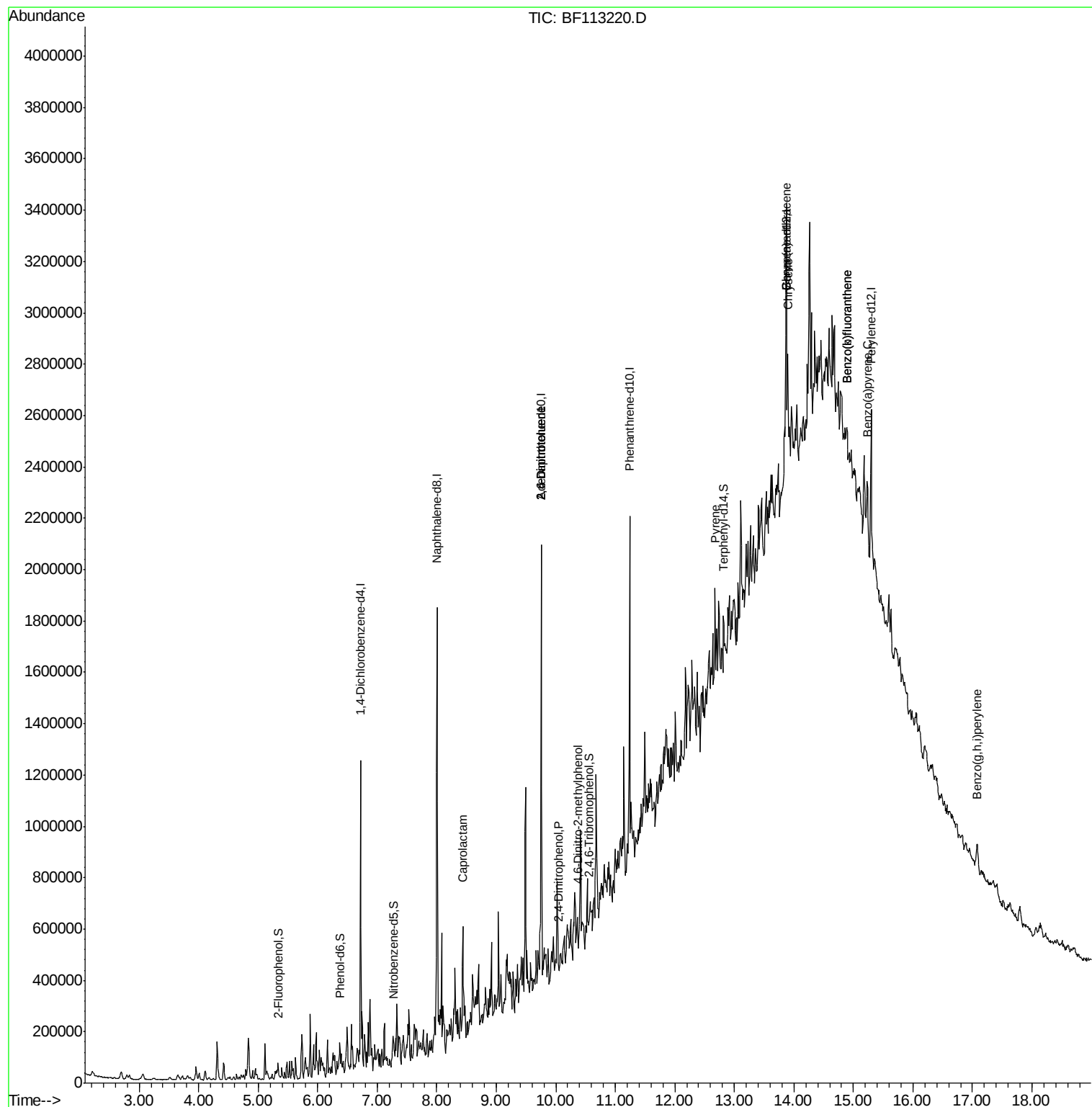
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
35) Caprolactam	8.44	113	8574	2.585	ng	# 16
51) 2,6-Dinitrotoluene	9.76	165	41840	8.758	ng	# 19
54) 2,4-Dinitrophenol	10.05	184	843	6.850	ng	# 9
57) 2,4-Dinitrotoluene	9.76	165	41840	7.046	ng	# 19
65) 4,6-Dinitro-2-methylphenol	10.37	198	291	4.733	ng	# 1
78) Pyrene	12.67	202	165984	5.115	ng	95
81) Benzo(a)anthracene	13.86	228	179756	6.737	ng	# 79
83) Chrysene	13.90	228	179290	6.860	ng	# 80
88) Benzo(b)fluoranthene	14.89	252	63195	3.001	ng	# 45
89) Benzo(k)fluoranthene	14.89	252	63195	3.314	ng	# 45
90) Benzo(a)pyrene	15.23	252	120994	6.497	ng	# 75
92) Benzo(g,h,i)perylene	17.07	276	79681	4.993	ng	# 87

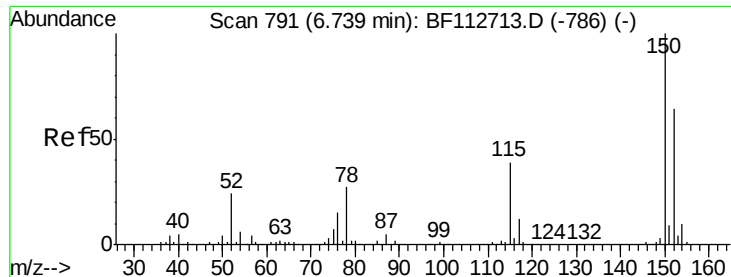
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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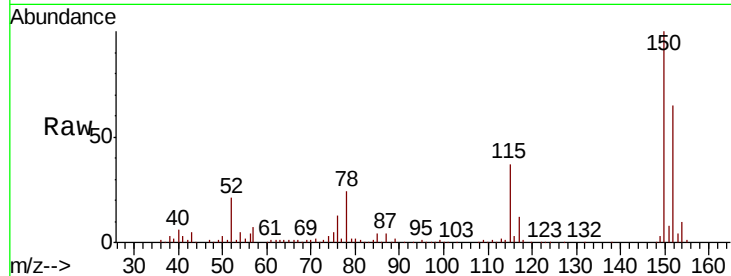


#1

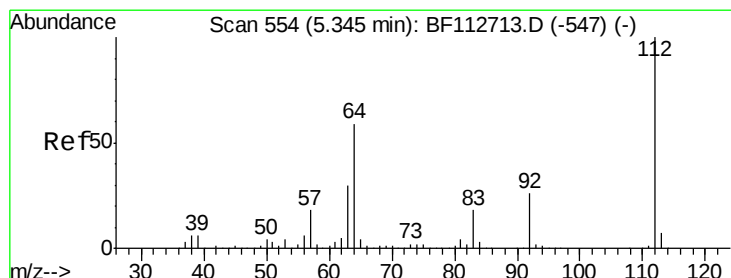
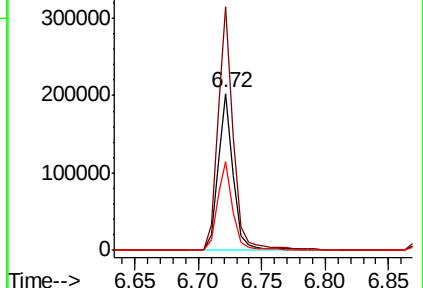
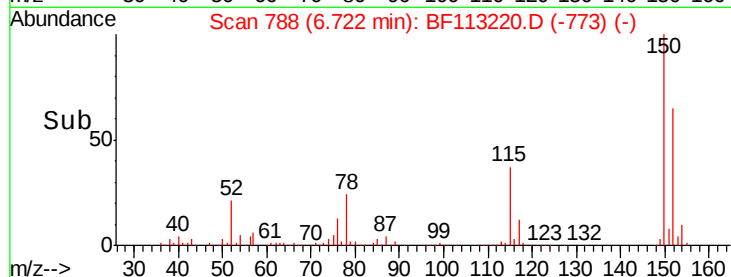
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 788
Delta R.T. -0.01 min
Lab File: BF113220.D
Acq: 21 Mar 2019 20:44

Instrument :
BNA_F
ClientSampleId :
SB-22(7-8)

Tgt Ion:152 Resp: 173879
Ion Ratio Lower Upper
152 100
150 154.9 124.2 186.2
115 56.8 48.2 72.4



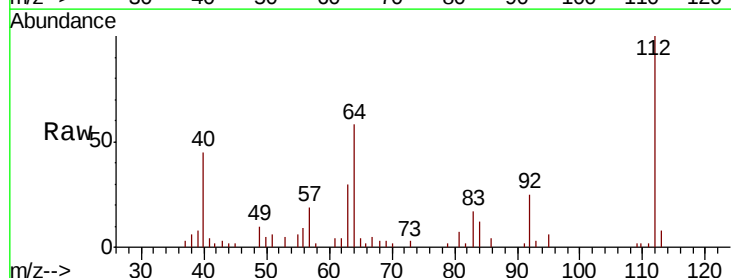
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



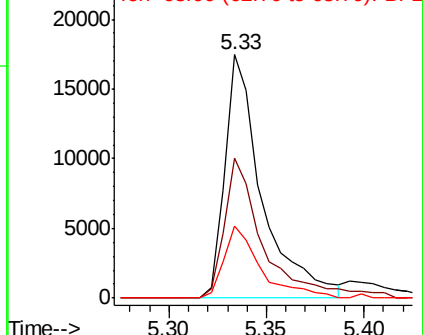
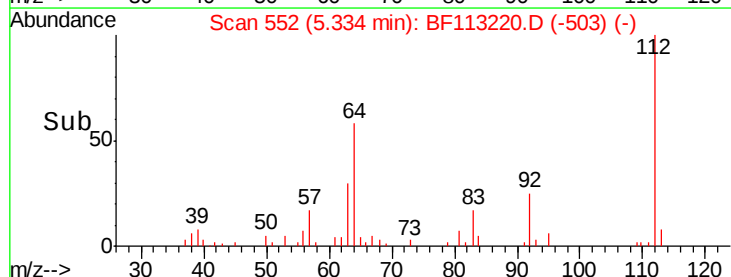
#5

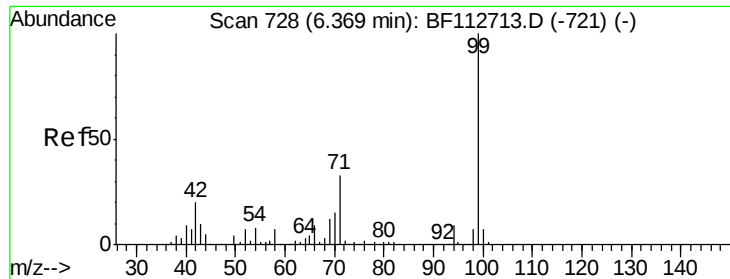
2-Fluorophenol
Concen: 2.064 ng
RT: 5.33 min Scan# 552
Delta R.T. -0.01 min
Lab File: BF113220.D
Acq: 21 Mar 2019 20:44

Tgt Ion:112 Resp: 23072
Ion Ratio Lower Upper
112 100
64 57.7 47.6 71.4
63 29.7 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: 3.023 ng

RT: 6.37 min Scan# 728

Delta R.T. -0.01 min

Lab File: BF113220.D

Acq: 21 Mar 2019 20:44

Instrument :

BNA_F

ClientSampleId :

SB-22(7-8)

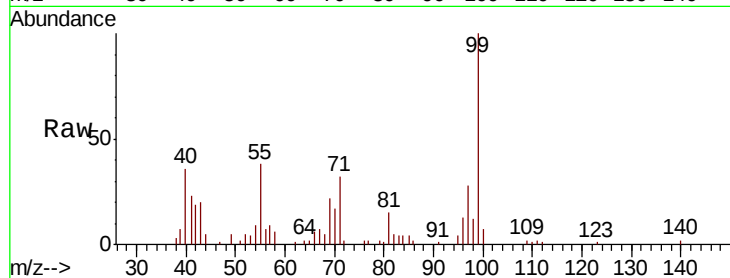
Tgt Ion: 99 Resp: 42448

Ion Ratio Lower Upper

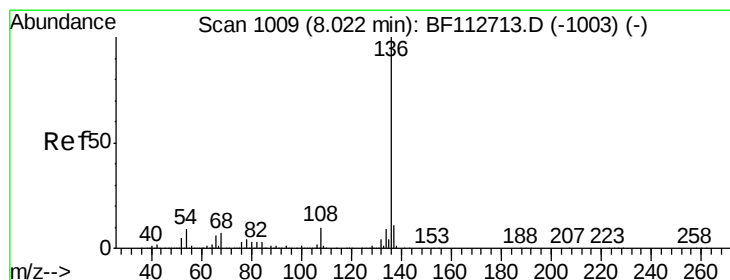
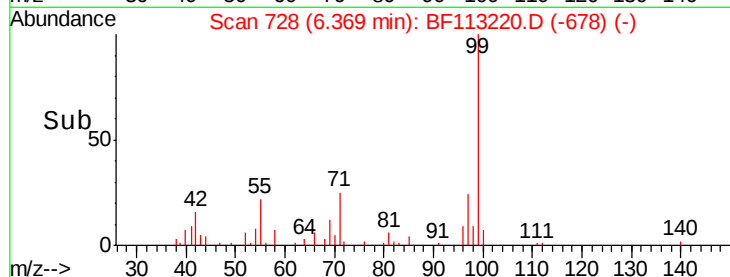
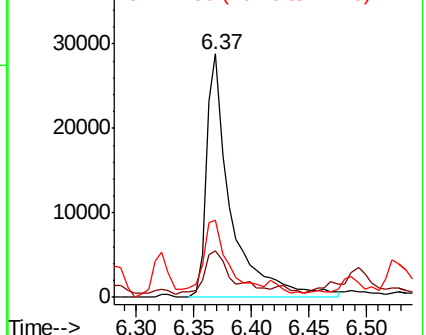
99 100

42 19.1 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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.00 min Scan# 1006

Delta R.T. -0.01 min

Lab File: BF113220.D

Acq: 21 Mar 2019 20:44

Tgt Ion: 136 Resp: 674195

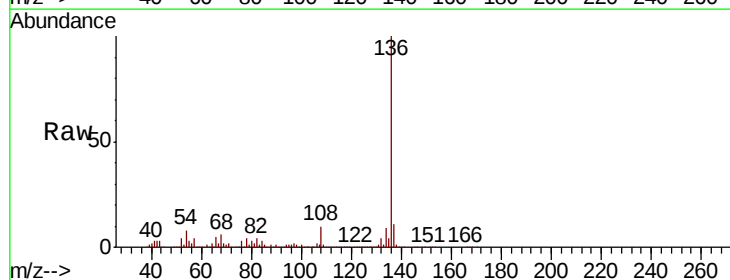
Ion Ratio Lower Upper

136 100

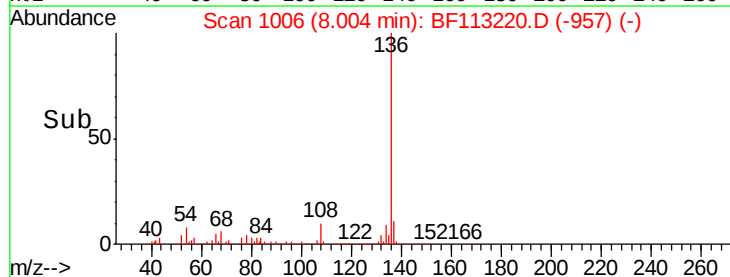
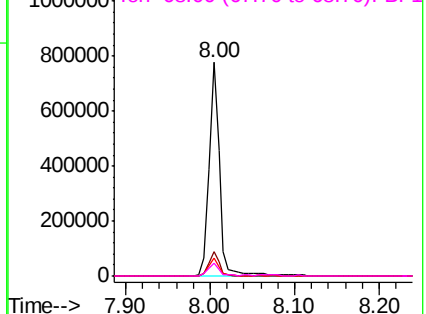
137 11.1 8.9 13.3

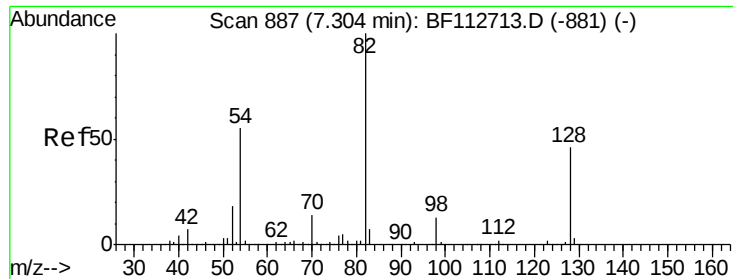
54 8.3 7.3 10.9

68 6.3 5.4 8.2



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

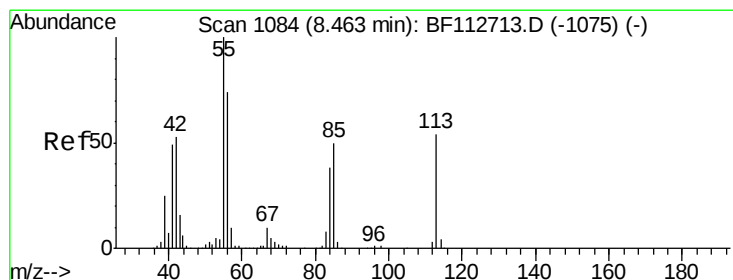
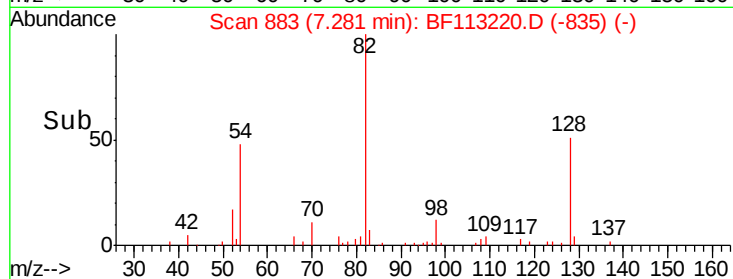
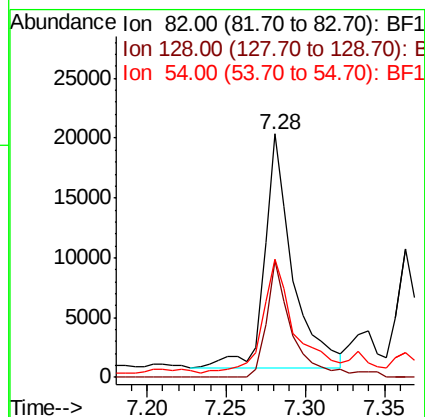
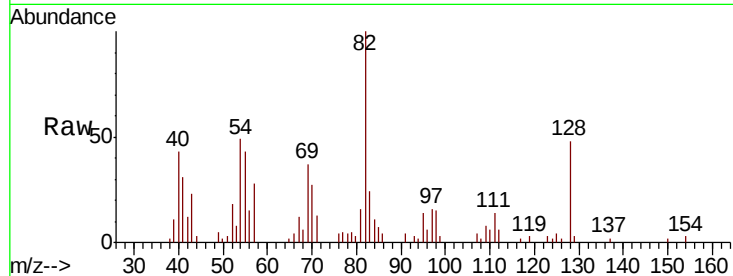




#23
 Nitrobenzene-d5
 Concen: 2.153 ng
 RT: 7.28 min Scan# 883
 Delta R.T. -0.02 min
 Lab File: BF113220.D
 Acq: 21 Mar 2019 20:44

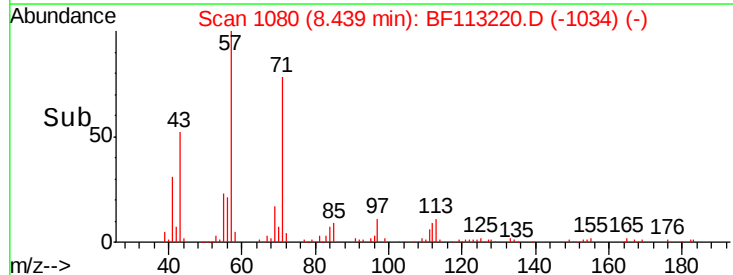
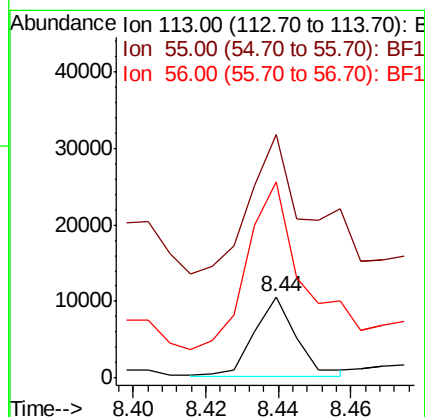
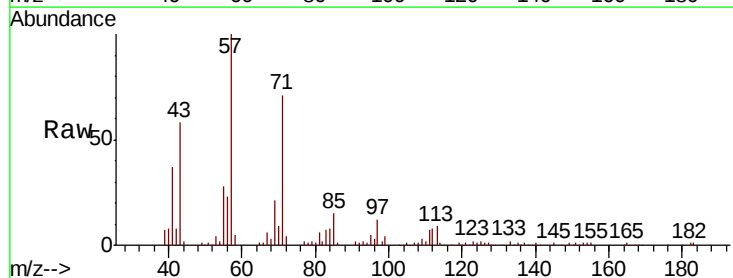
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 SB-22(7-8)

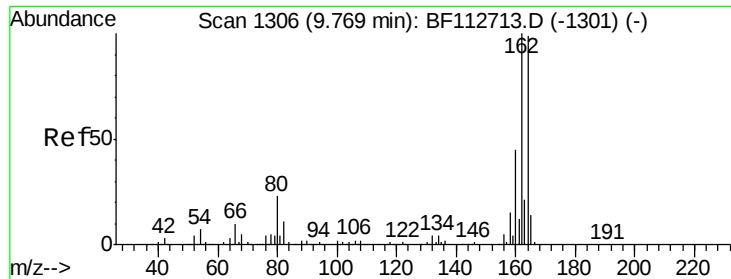
Tgt Ion: 82 Resp: 24263
 Ion Ratio Lower Upper
 82 100
 128 47.9 36.3 54.5
 54 48.6 43.7 65.5



#35
 Caprolactam
 Concen: 2.585 ng
 RT: 8.44 min Scan# 1080
 Delta R.T. -0.03 min
 Lab File: BF113220.D
 Acq: 21 Mar 2019 20:44

Tgt Ion: 113 Resp: 8574
 Ion Ratio Lower Upper
 113 100
 55 299.4 163.5 203.5#
 56 240.6 115.3 155.3#

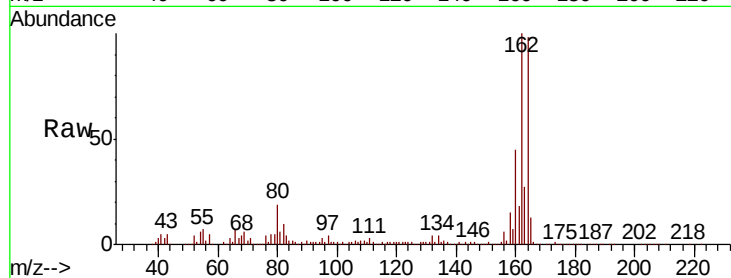




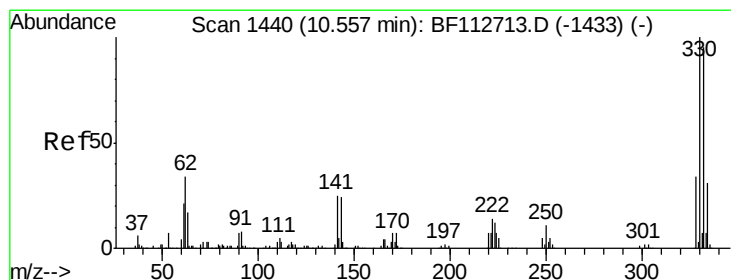
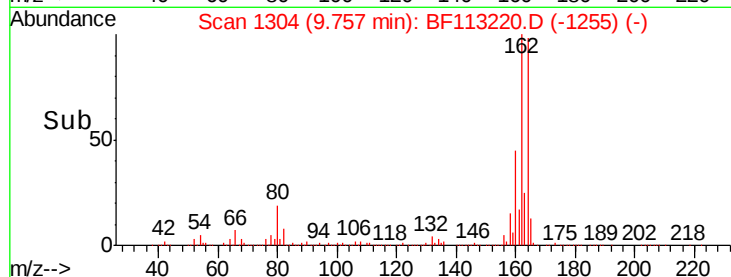
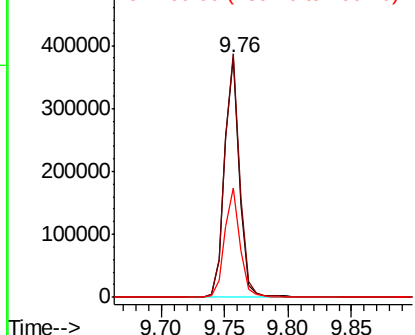
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.76 min Scan# 1304
Delta R.T. -0.01 min
Lab File: BF113220.D
Acq: 21 Mar 2019 20:44

Instrument :
BNA_F
ClientSampleId :
SB-22(7-8)

Tgt Ion:164 Resp: 311124
Ion Ratio Lower Upper
164 100
162 101.6 80.6 120.8
160 45.6 36.0 54.0

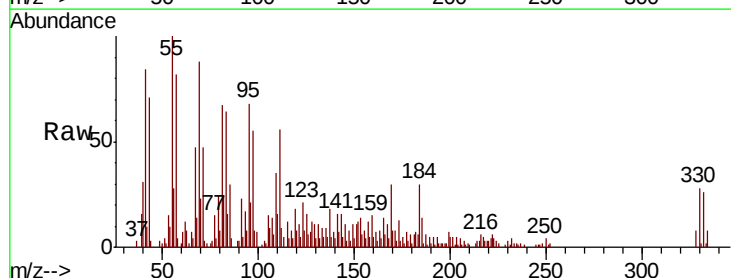


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

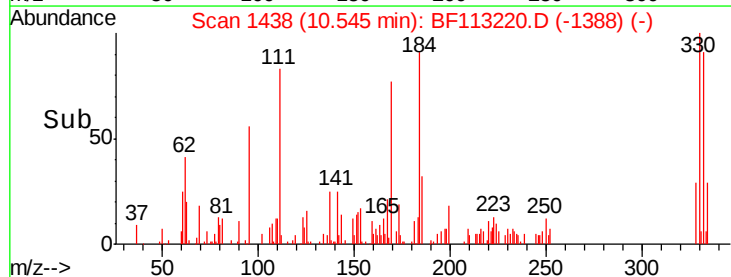
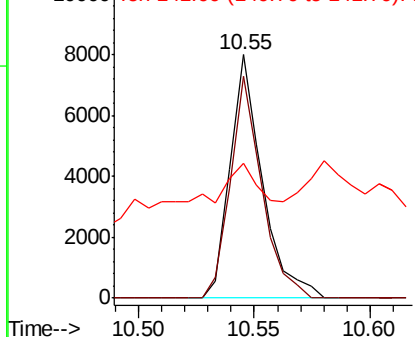


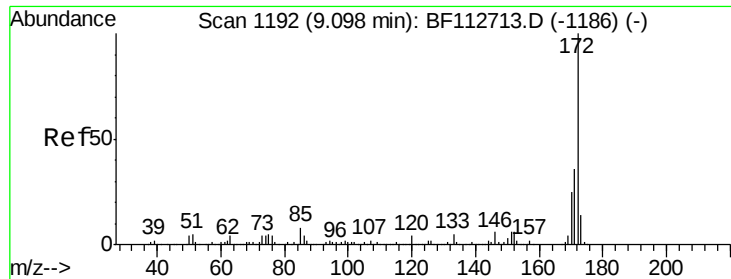
#42
2,4,6-Tribromophenol
Concen: 2.349 ng
RT: 10.55 min Scan# 1438
Delta R.T. -0.01 min
Lab File: BF113220.D
Acq: 21 Mar 2019 20:44

Tgt Ion:330 Resp: 7758
Ion Ratio Lower Upper
330 100
332 89.1 76.2 114.4
141 57.4 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

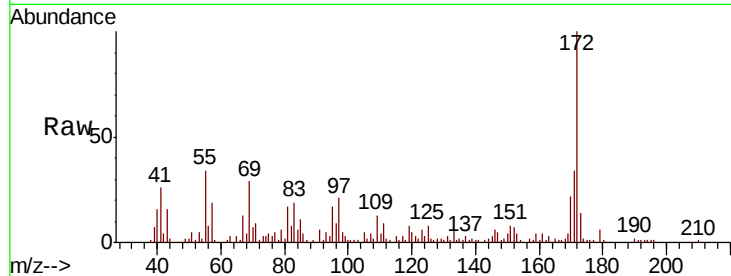




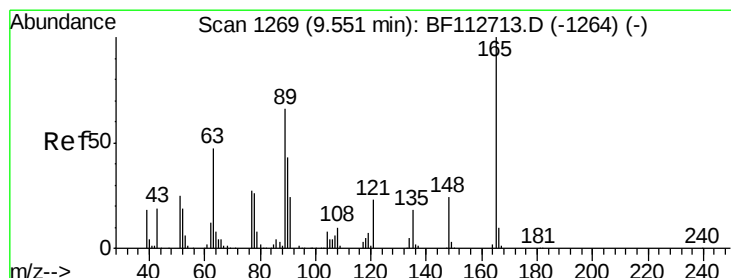
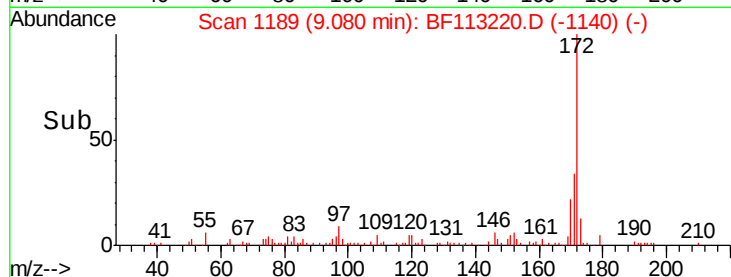
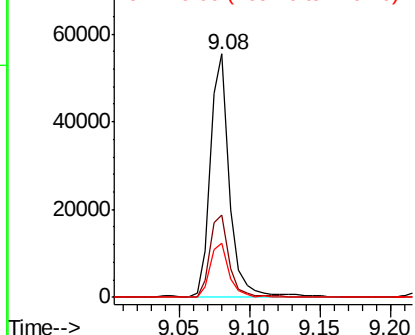
#45
2-Fluorobiphenyl
Concen: 0.761 ng
RT: 9.08 min Scan# 1189
Delta R.T. -0.01 min
Lab File: BF113220.D
Acq: 21 Mar 2019 20:44

Instrument :
BNA_F
ClientSampleId :
SB-22(7-8)

Tgt Ion:172 Resp: 52549
Ion Ratio Lower Upper
172 100
171 33.8 29.0 43.4
170 22.2 20.0 30.0

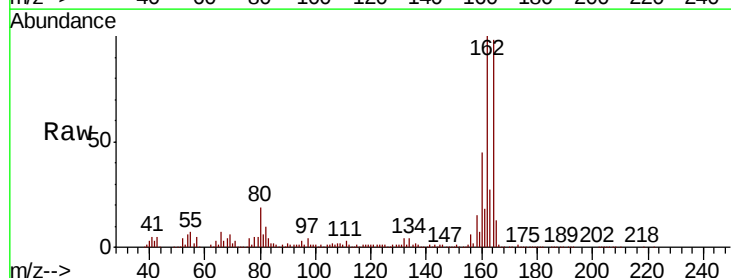


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

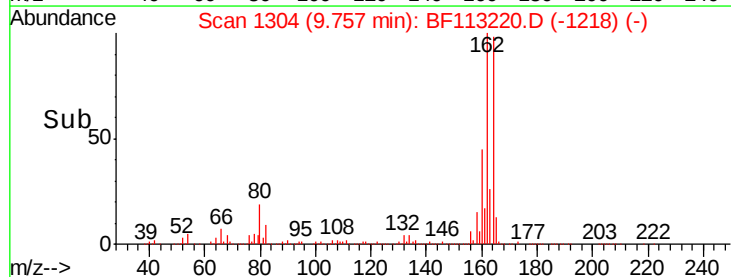
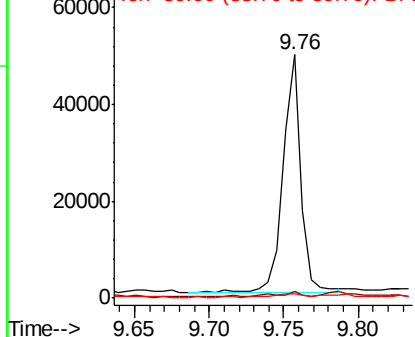


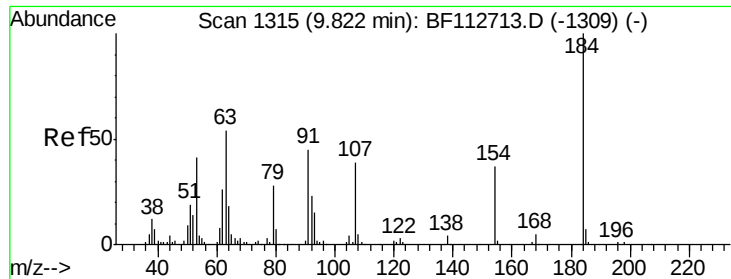
#51
2,6-Dinitrotoluene
Concen: 8.758 ng
RT: 9.76 min Scan# 1304
Delta R.T. 0.21 min
Lab File: BF113220.D
Acq: 21 Mar 2019 20:44

Tgt Ion:165 Resp: 41840
Ion Ratio Lower Upper
165 100
63 2.7 54.1 81.1#
89 1.9 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

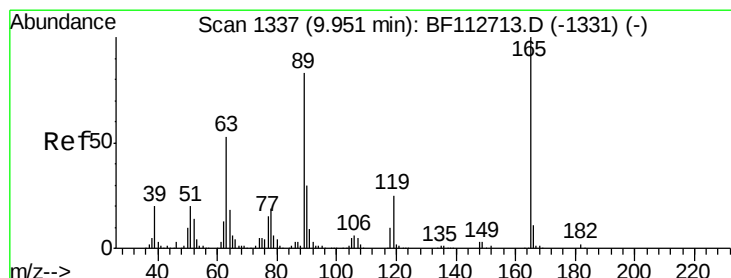
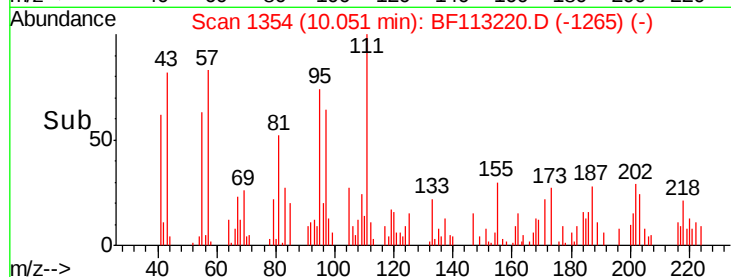
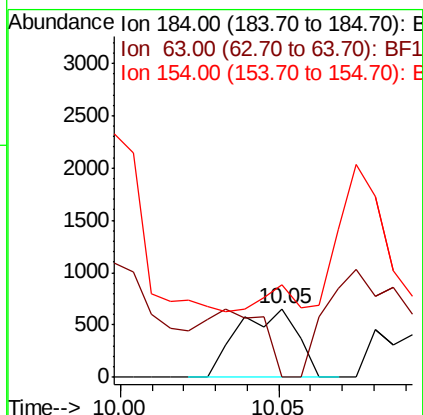
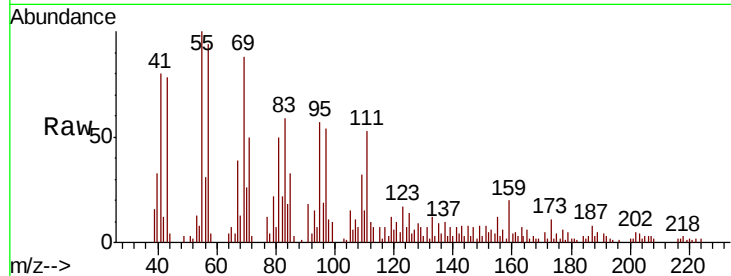




#54
 2,4-Dinitrophenol
 Concen: 6.850 ng
 RT: 10.05 min Scan# 1354
 Delta R.T. 0.22 min
 Lab File: BF113220.D
 Acq: 21 Mar 2019 20:44

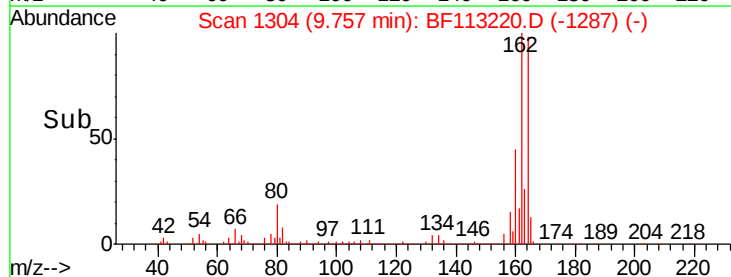
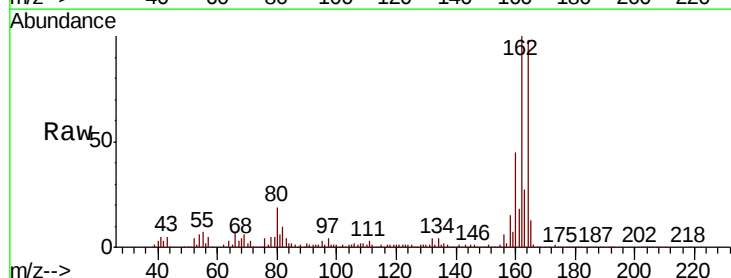
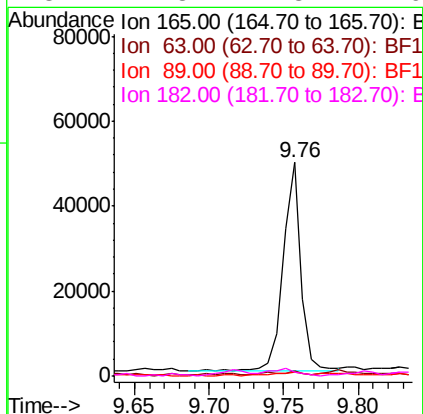
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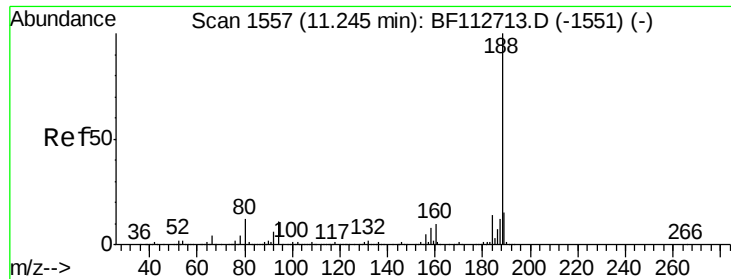
Tgt Ion:184 Resp: 843
 Ion Ratio Lower Upper
 184 100
 63 0.0 45.3 67.9#
 154 135.4 46.0 69.0#



#57
 2,4-Dinitrotoluene
 Concen: 7.046 ng
 RT: 9.76 min Scan# 1304
 Delta R.T. -0.20 min
 Lab File: BF113220.D
 Acq: 21 Mar 2019 20:44

Tgt Ion:165 Resp: 41840
 Ion Ratio Lower Upper
 165 100
 63 2.7 42.2 63.2#
 89 1.9 66.2 99.4#
 182 1.8 1.8 2.6





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.24 min Scan# 1556

Delta R.T. -0.01 min

Lab File: BF113220.D

Acq: 21 Mar 2019 20:44

Instrument :

BNA_F

ClientSampleId :

SB-22(7-8)

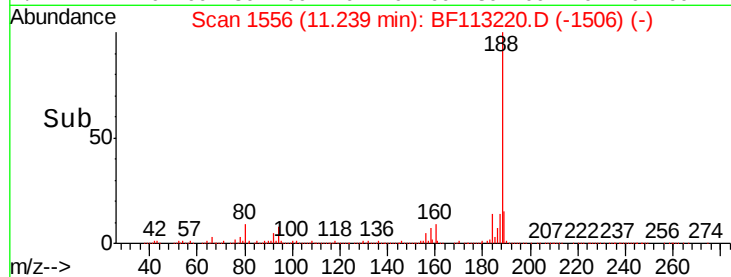
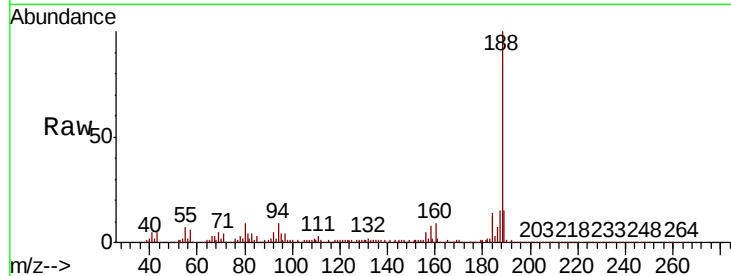
Tgt Ion:188 Resp: 532786

Ion Ratio Lower Upper

188 100

94 8.7 9.0 13.4#

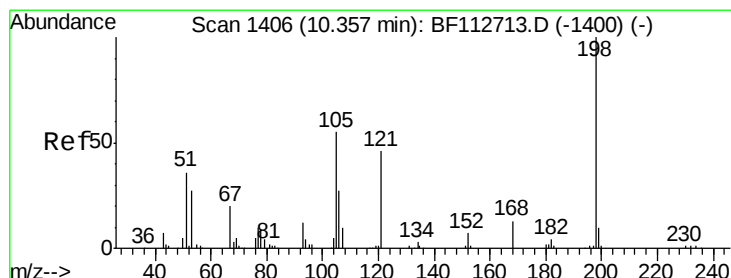
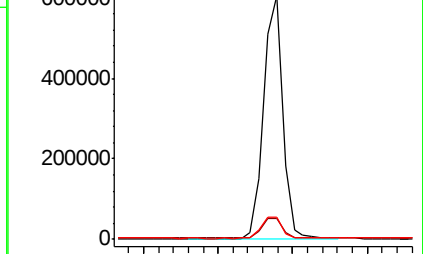
80 9.3 9.2 13.8



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



#65

4,6-Dinitro-2-methylphenol

Concen: 4.733 ng

RT: 10.37 min Scan# 1409

Delta R.T. 0.01 min

Lab File: BF113220.D

Acq: 21 Mar 2019 20:44

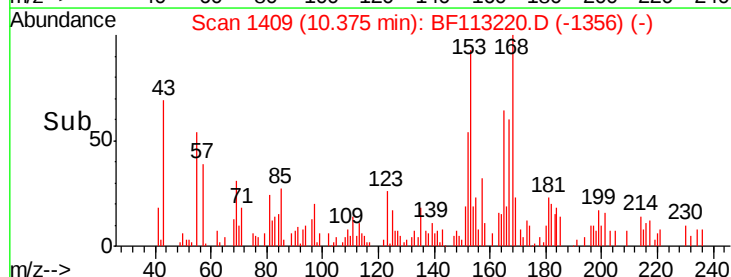
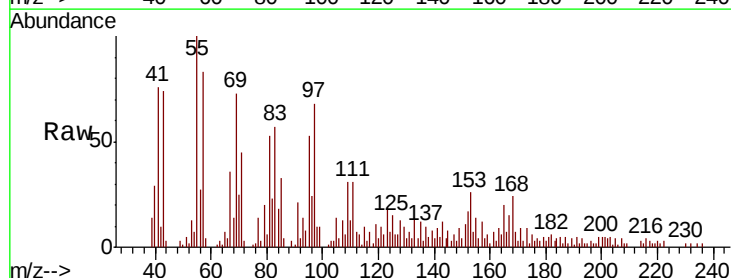
Tgt Ion:198 Resp: 291

Ion Ratio Lower Upper

198 100

51 301.8 43.8 83.8#

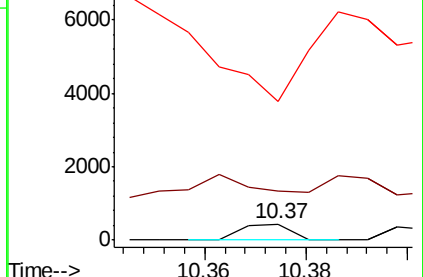
105 857.7 36.5 76.5#

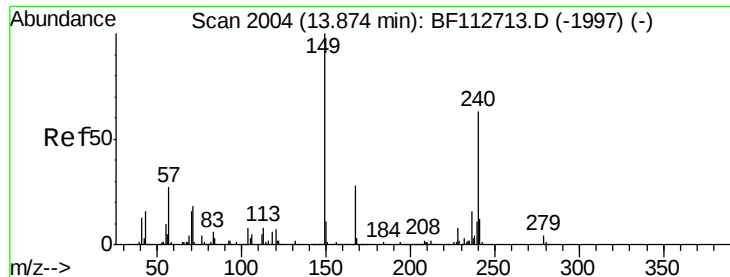


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

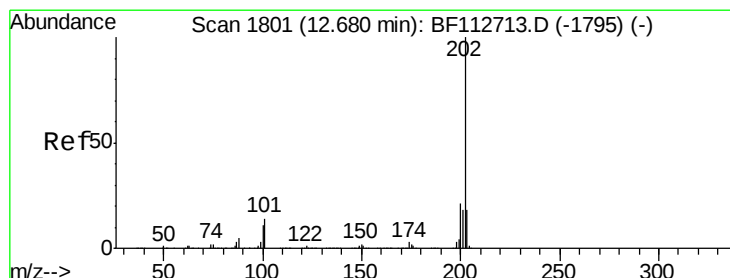
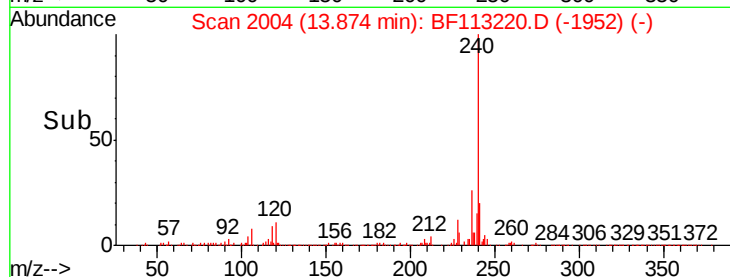
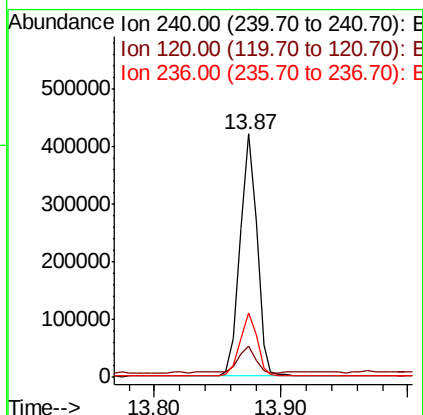
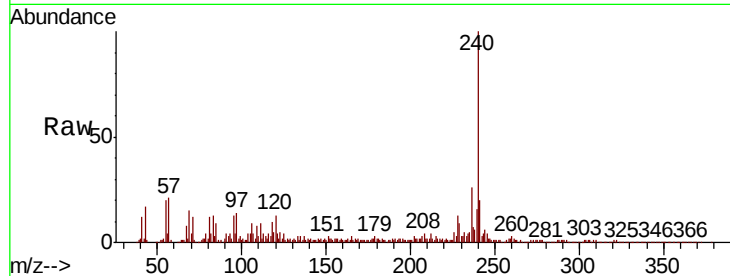




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.87 min Scan# 2004
Delta R.T. 0.01 min
Lab File: BF113220.D
Acq: 21 Mar 2019 20:44

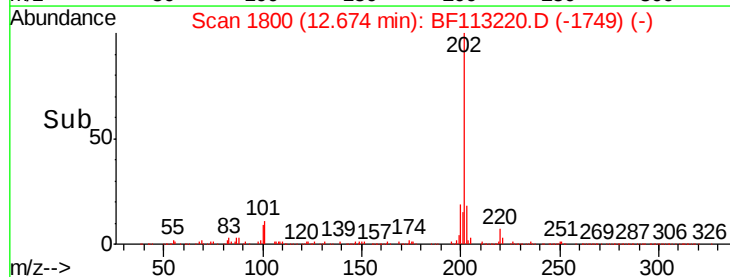
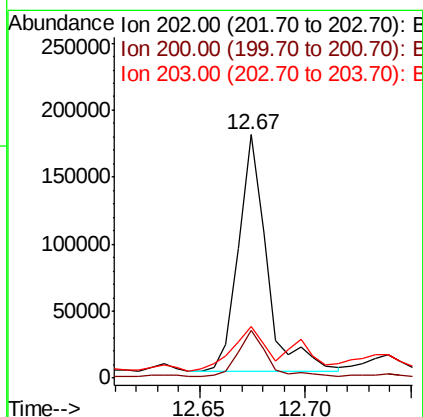
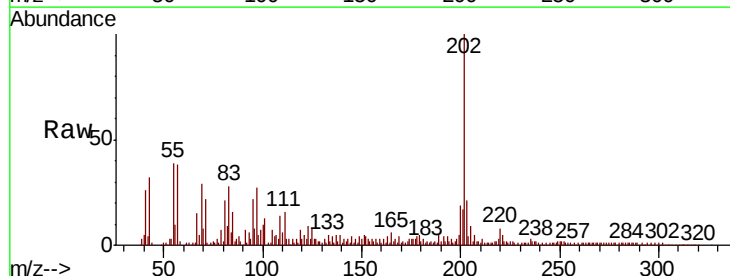
Instrument :
BNA_F
ClientSampleId :
SB-22(7-8)

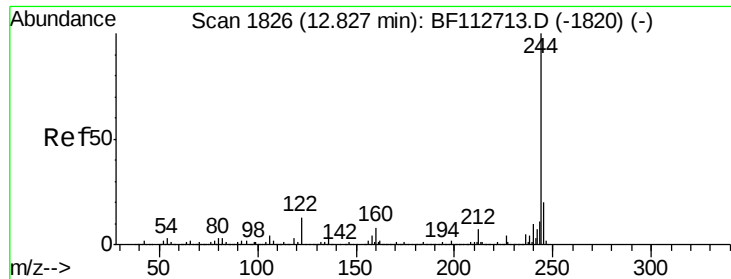
Tgt Ion:240 Resp: 384964
Ion Ratio Lower Upper
240 100
120 12.6 8.9 13.3
236 26.4 20.7 31.1



#78
Pyrene
Concen: 5.115 ng
RT: 12.67 min Scan# 1800
Delta R.T. -0.00 min
Lab File: BF113220.D
Acq: 21 Mar 2019 20:44

Tgt Ion:202 Resp: 165984
Ion Ratio Lower Upper
202 100
200 19.5 17.0 25.4
203 21.3 14.4 21.6

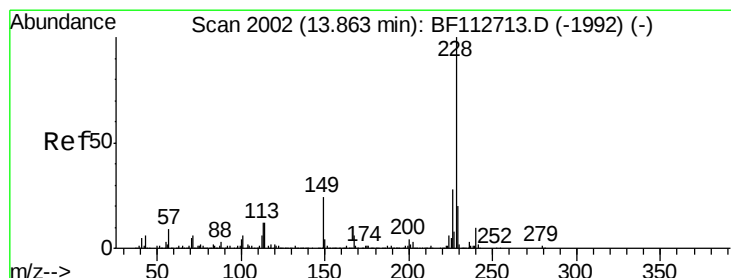
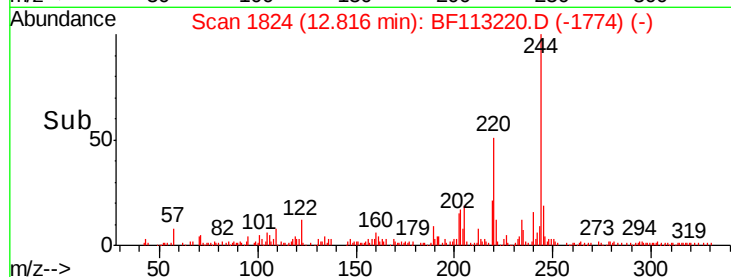
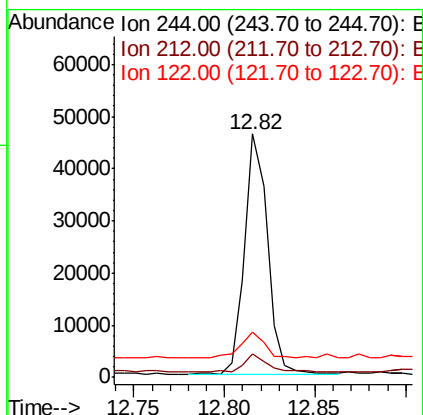
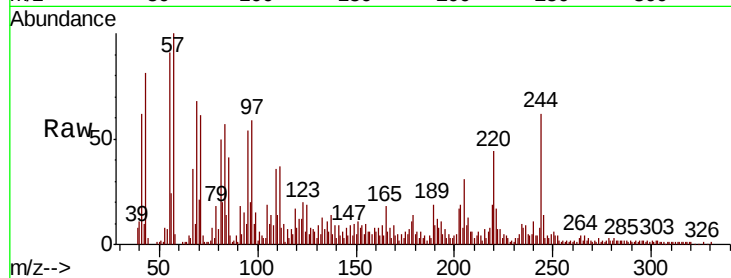




#79
 Terphenyl-d14
 Concen: 2.050 ng
 RT: 12.82 min Scan# 1824
 Delta R.T. -0.01 min
 Lab File: BF113220.D
 Acq: 21 Mar 2019 20:44

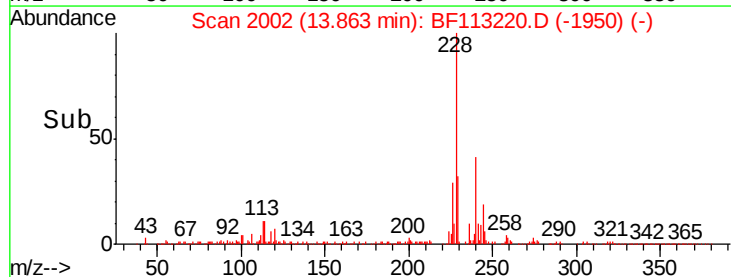
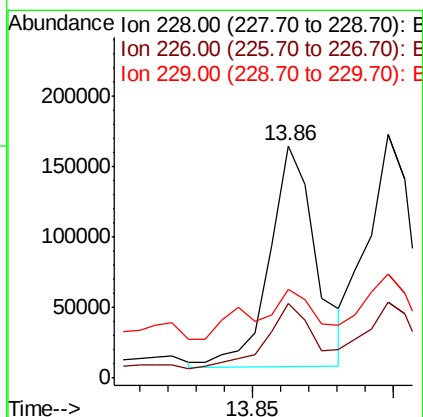
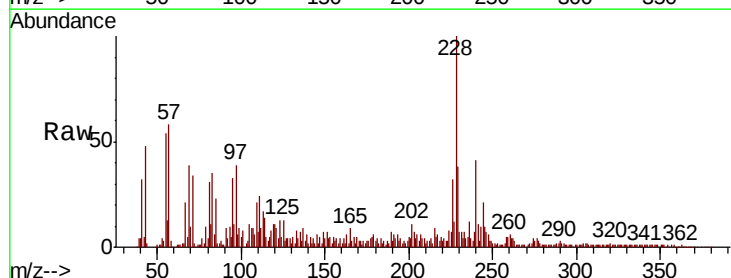
Instrument :
 BNA_F
 ClientSampleId :
 SB-22(7-8)

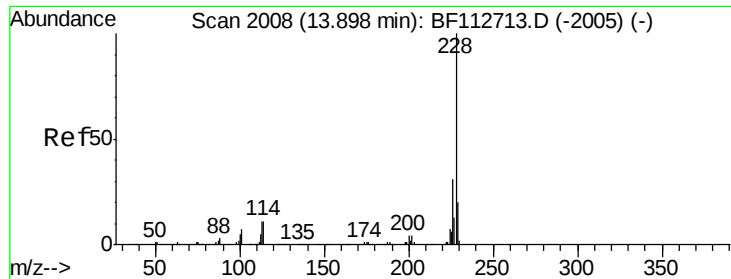
Tgt Ion:244 Resp: 40710
 Ion Ratio Lower Upper
 244 100
 212 9.7 5.6 8.4#
 122 18.8 10.5 15.7#



#81
 Benzo(a)anthracene
 Concen: 6.737 ng
 RT: 13.86 min Scan# 2002
 Delta R.T. 0.01 min
 Lab File: BF113220.D
 Acq: 21 Mar 2019 20:44

Tgt Ion:228 Resp: 179756
 Ion Ratio Lower Upper
 228 100
 226 31.9 22.2 33.4
 229 37.9 16.0 24.0#

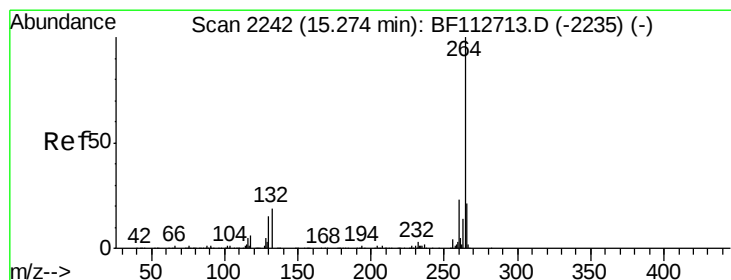
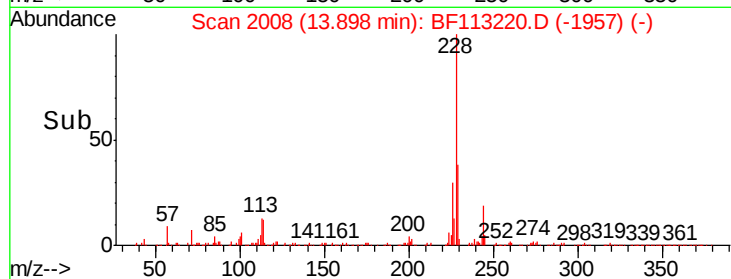
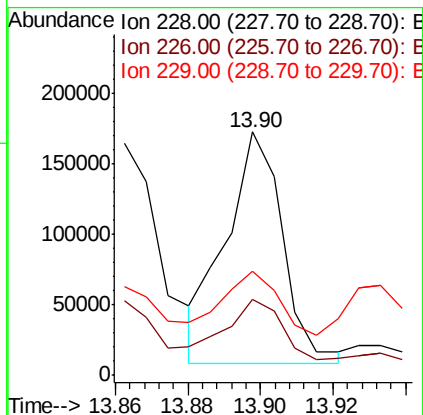
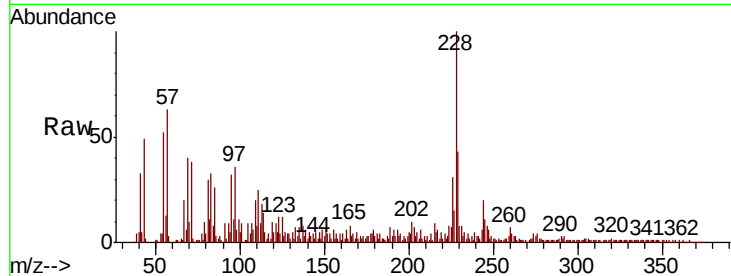




#83
Chrysene
Concen: 6.860 ng
RT: 13.90 min Scan# 2008
Delta R.T. -0.00 min
Lab File: BF113220.D
Acq: 21 Mar 2019 20:44

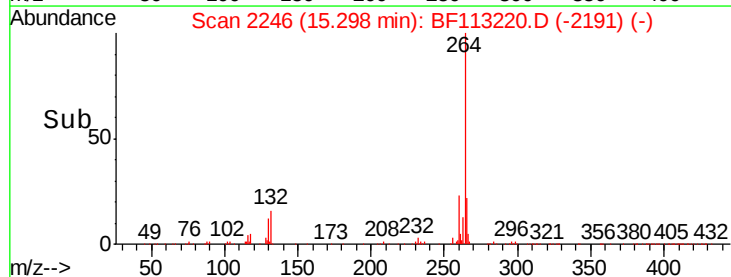
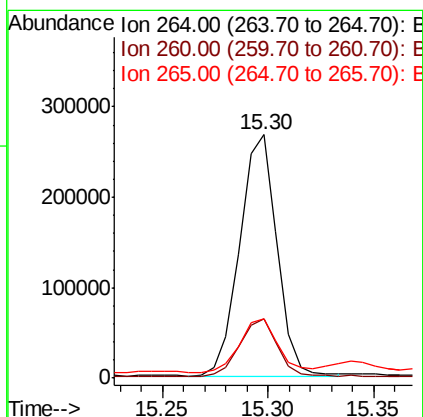
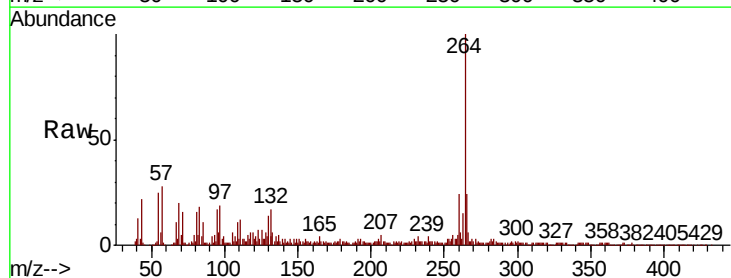
Instrument :
BNA_F
ClientSampleId :
SB-22(7-8)

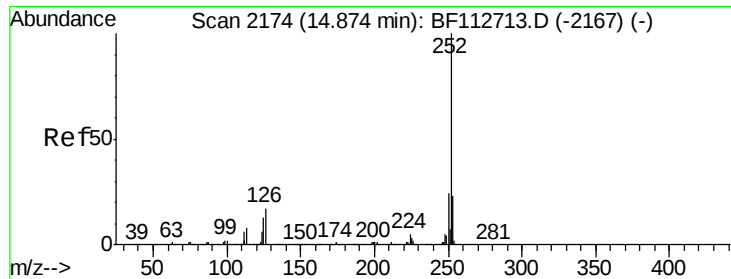
Tgt Ion:228 Resp: 179290
Ion Ratio Lower Upper
228 100
226 31.4 24.9 37.3
229 42.9 16.3 24.5#



#87
Perylene-d12
Concen: 20.000 ng
RT: 15.30 min Scan# 2246
Delta R.T. 0.02 min
Lab File: BF113220.D
Acq: 21 Mar 2019 20:44

Tgt Ion:264 Resp: 325504
Ion Ratio Lower Upper
264 100
260 24.3 18.7 28.1
265 24.3 17.2 25.8

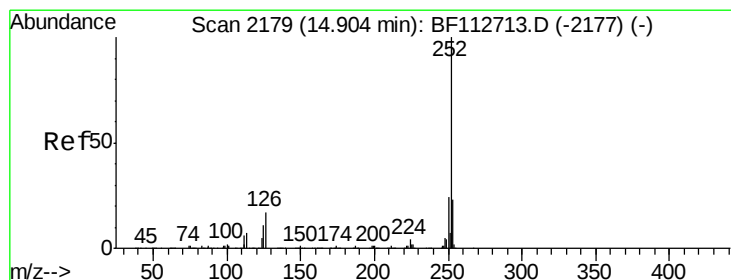
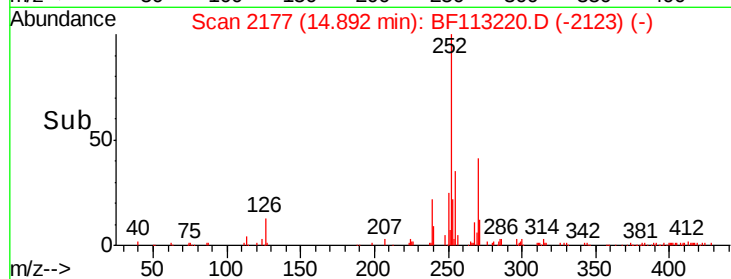
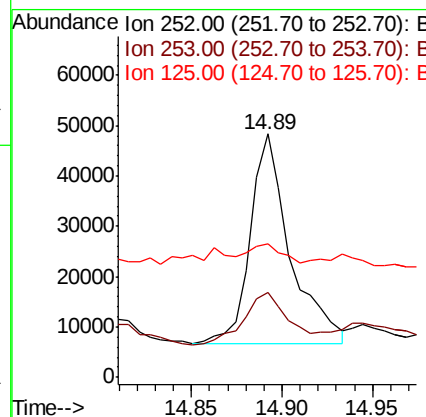
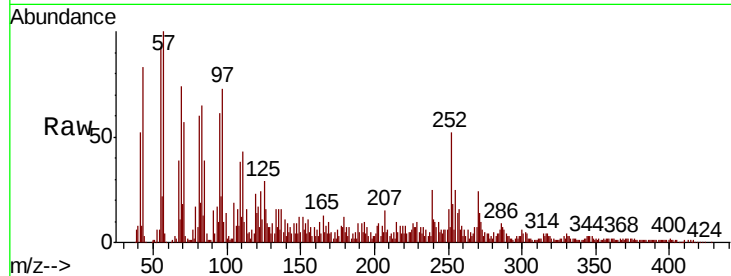




#88
Benzo(b)fluoranthene
Concen: 3.001 ng
RT: 14.89 min Scan# 2177
Delta R.T. 0.02 min
Lab File: BF113220.D
Acq: 21 Mar 2019 20:44

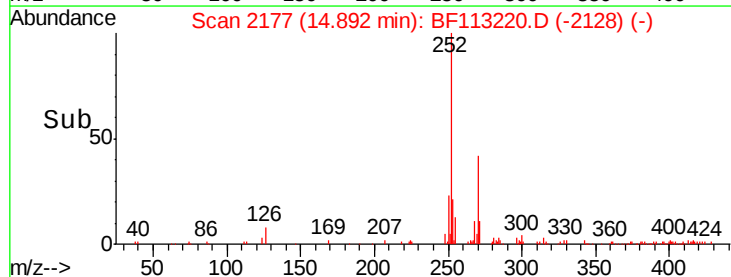
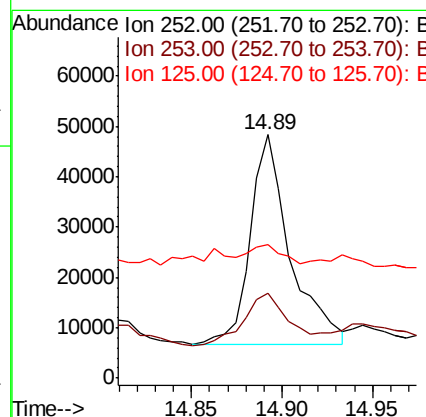
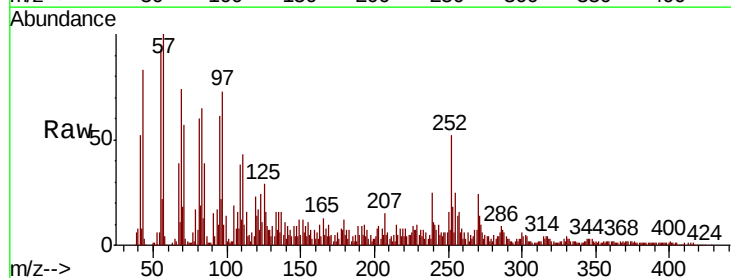
Instrument :
BNA_F
ClientSampleId :
SB-22(7-8)

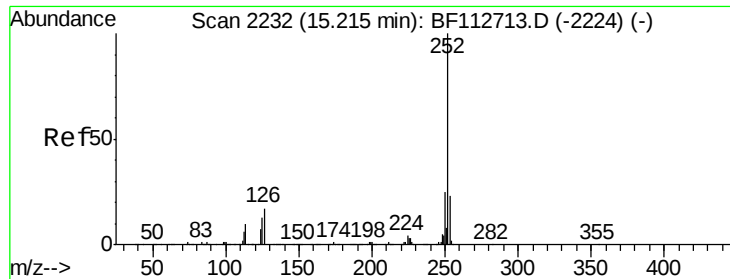
Tgt Ion	Ratio	Lower	Upper
252	100		
253	35.1	18.0	27.0#
125	54.7	10.2	15.2#



#89
Benzo(k)fluoranthene
Concen: 3.314 ng
RT: 14.89 min Scan# 2177
Delta R.T. -0.01 min
Lab File: BF113220.D
Acq: 21 Mar 2019 20:44

Tgt Ion	Ratio	Lower	Upper
252	100		
253	35.1	18.2	27.2#
125	54.7	9.8	14.6#





#90

Benzo(a)pyrene

Concen: 6.497 ng

RT: 15.23 min Scan# 2235

Delta R.T. 0.02 min

Lab File: BF113220.D

Acq: 21 Mar 2019 20:44

Instrument :

BNA_F

ClientSampleId :

SB-22(7-8)

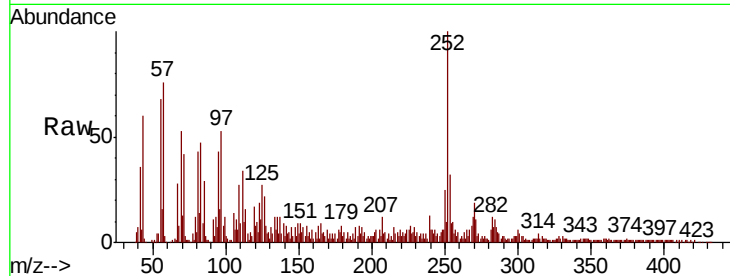
Tgt Ion:252 Resp: 120994

Ion Ratio Lower Upper

252 100

253 32.0 18.0 27.0#

125 27.3 10.7 16.1#

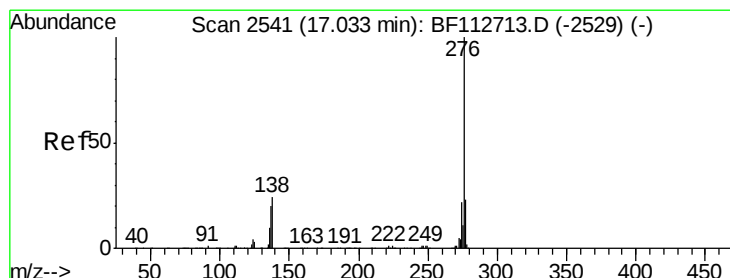
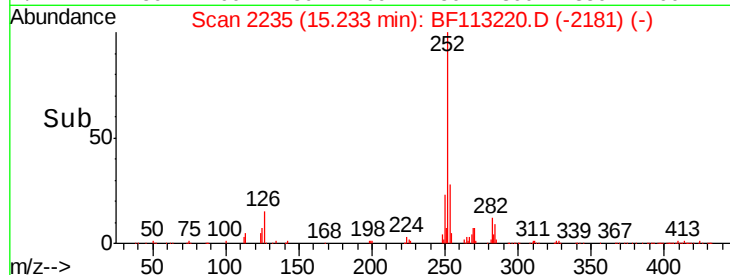
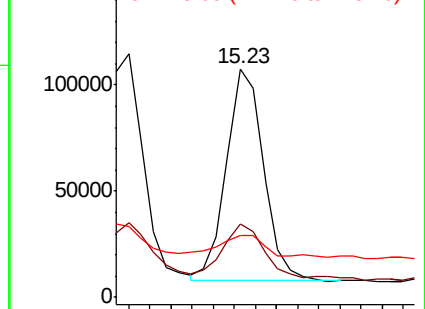


Abundance

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



#92

Benzo(g,h,i)perylene

Concen: 4.993 ng

RT: 17.07 min Scan# 2548

Delta R.T. 0.03 min

Lab File: BF113220.D

Acq: 21 Mar 2019 20:44

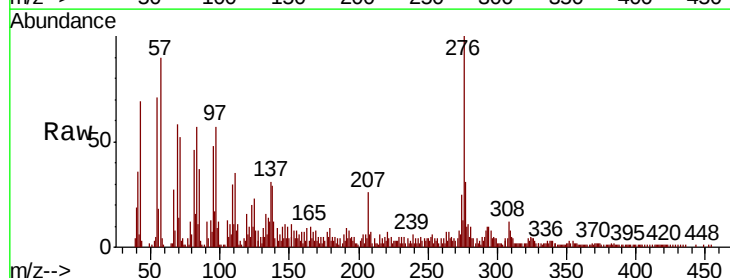
Tgt Ion:276 Resp: 79681

Ion Ratio Lower Upper

276 100

277 30.8 18.6 27.8#

138 29.0 19.4 29.0



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

