

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF032119\
 Data File : BF113218.D
 Acq On : 21 Mar 2019 19:48
 Operator : JU/SJ
 Sample : K2004-12 5X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-23(4-5)

Quant Time: Mar 22 00:45:08 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

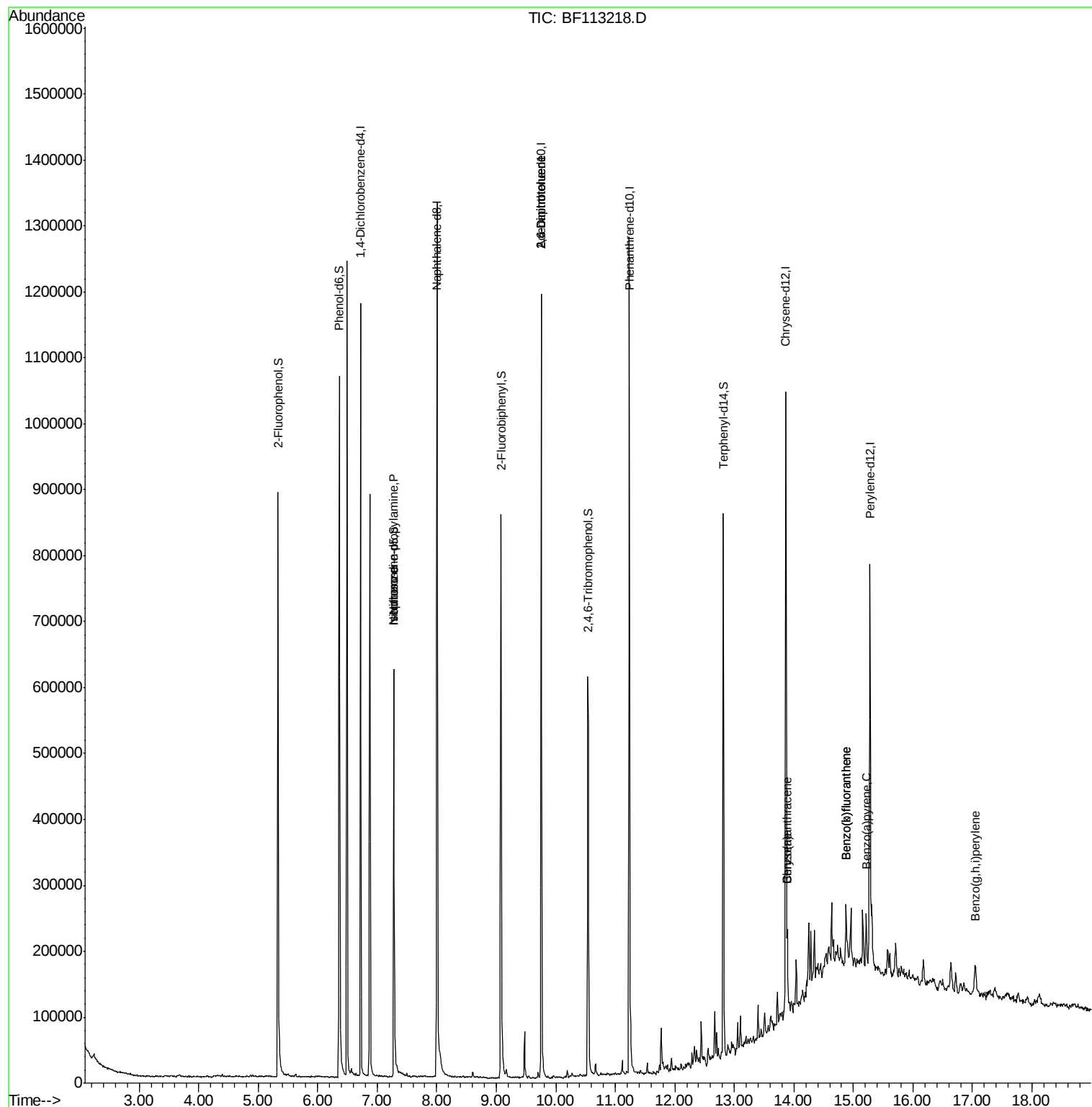
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	166683	20.00	ng	-0.01
21) Naphthalene-d8	8.00	136	677023	20.00	ng	-0.01
39) Acenaphthene-d10	9.76	164	260952	20.00	ng	-0.01
64) Phenanthrene-d10	11.23	188	517564	20.00	ng	-0.01
76) Chrysene-d12	13.87	240	357513	20.00	ng	0.00
87) Perylene-d12	15.27	264	305028	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	277664	25.91	ng	-0.01
7) Phenol-d6	6.36	99	378181	28.10	ng	-0.01
23) Nitrobenzene-d5	7.28	82	218885	19.35	ng	-0.02
42) 2,4,6-Tribromophenol	10.55	330	99349	35.86	ng	0.00
45) 2-Fluorobiphenyl	9.08	172	351868	17.48	ng	-0.01
79) Terphenyl-d14	12.82	244	293723	15.93	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.28	70	27151	3.185	ng	# 73
25) Isophorone	7.28	82	218882	8.980	ng	# 66
51) 2,6-Dinitrotoluene	9.76	165	33555	8.374	ng	# 18
57) 2,4-Dinitrotoluene	9.76	165	33556	6.737	ng	# 18
81) Benzo(a)anthracene	13.89	228	51506	2.079	ng	98
83) Chrysene	13.89	228	51506	2.122	ng	98
88) Benzo(b)fluoranthene	14.87	252	53812	2.727	ng	# 95
89) Benzo(k)fluoranthene	14.87	252	53812	3.011	ng	# 95
90) Benzo(a)pyrene	15.22	252	35697	2.045	ng	# 96
92) Benzo(g,h,i)perylene	17.05	276	36239	2.423	ng	91

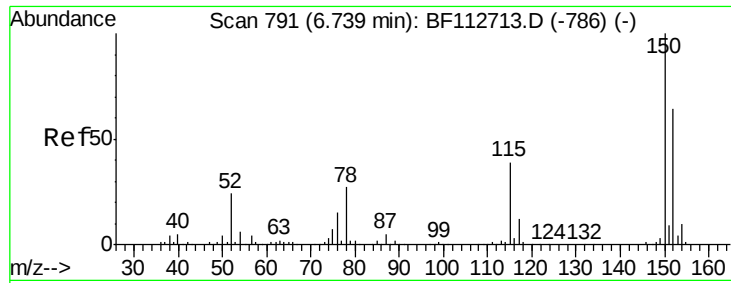
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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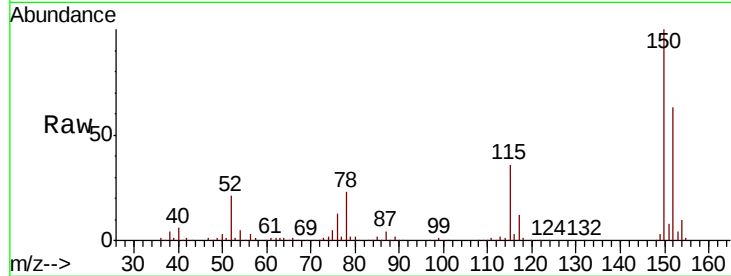


#1

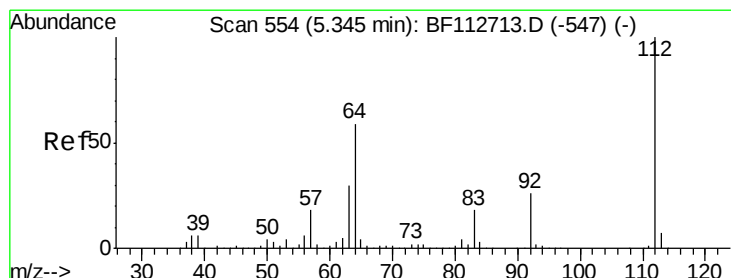
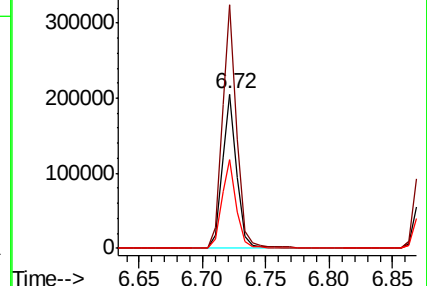
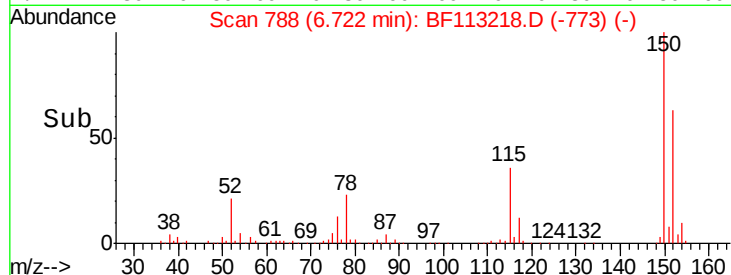
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 788
Delta R.T. -0.01 min
Lab File: BF113218.D
Acq: 21 Mar 2019 19:48

Instrument :
BNA_F
ClientSampleId :
SB-23(4-5)

Tgt Ion:152 Resp: 166683
Ion Ratio Lower Upper
152 100
150 157.7 124.2 186.2
115 57.1 48.2 72.4



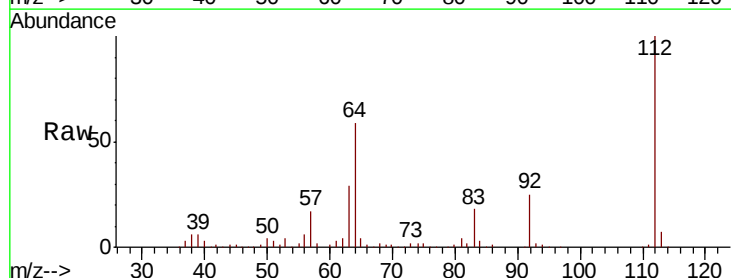
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



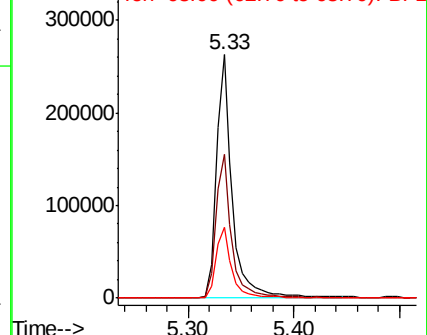
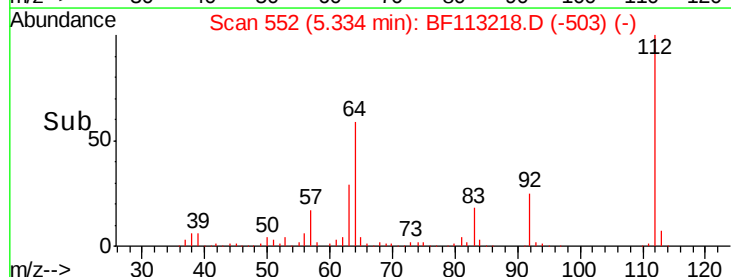
#5

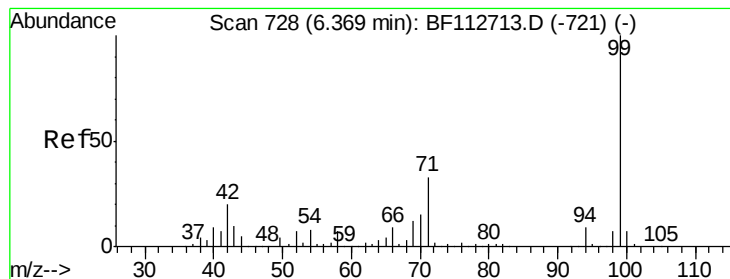
2-Fluorophenol
Concen: 25.913 ng
RT: 5.33 min Scan# 552
Delta R.T. -0.01 min
Lab File: BF113218.D
Acq: 21 Mar 2019 19:48

Tgt Ion:112 Resp: 277664
Ion Ratio Lower Upper
112 100
64 59.2 47.6 71.4
63 29.3 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: 28.096 ng

RT: 6.36 min Scan# 727

Delta R.T. -0.01 min

Lab File: BF113218.D

Acq: 21 Mar 2019 19:48

Instrument :

BNA_F

ClientSampled :

SB-23(4-5)

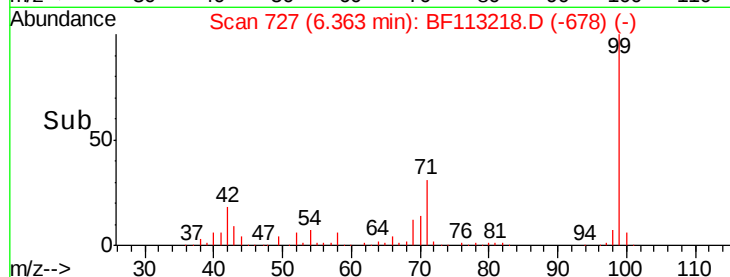
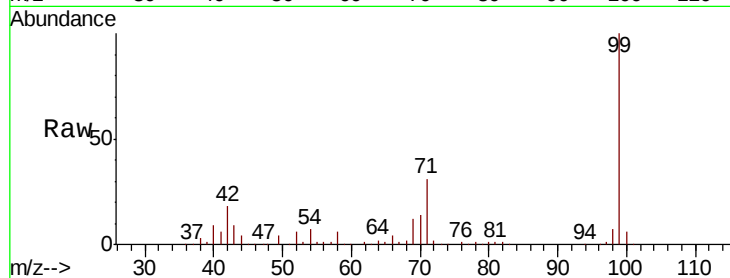
Tgt Ion: 99 Resp: 378181

Ion Ratio Lower Upper

99 100

42 17.9 16.3 24.5

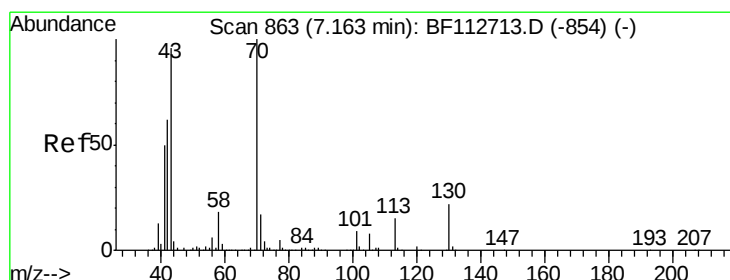
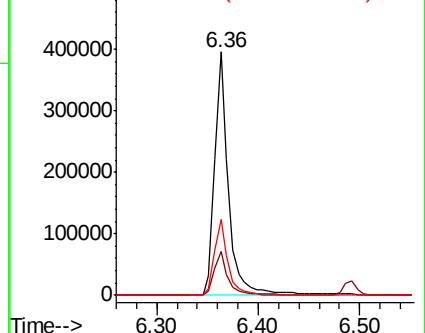
71 31.3 26.2 39.4



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: 3.185 ng

RT: 7.28 min Scan# 883

Delta R.T. 0.12 min

Lab File: BF113218.D

Acq: 21 Mar 2019 19:48

Tgt Ion: 70 Resp: 27151

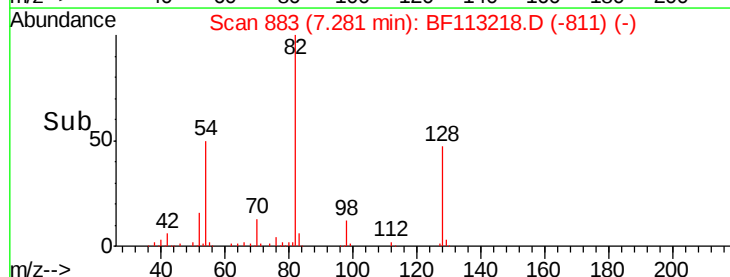
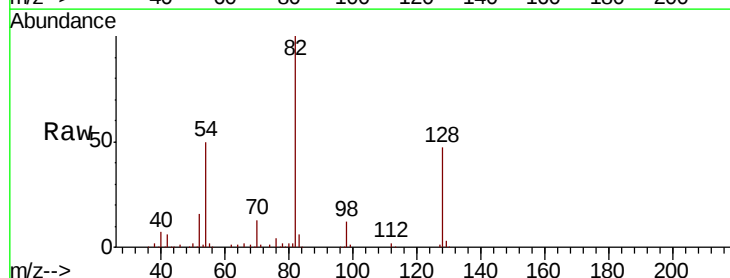
Ion Ratio Lower Upper

70 100

42 45.8 49.9 74.9#

101 0.0 7.4 11.2#

130 2.1 17.4 26.2#

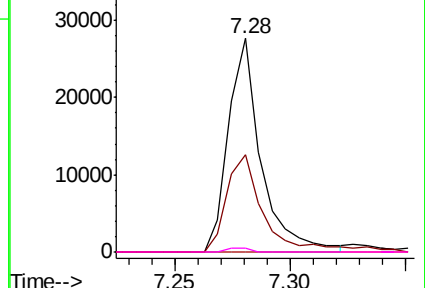


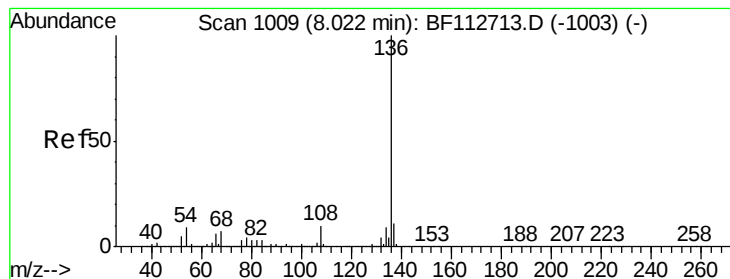
Abundance Ion 70.00 (69.70 to 70.70): BF1

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: 8.00 min Scan# 1006

Delta R.T. -0.01 min

Lab File: BF113218.D

Acq: 21 Mar 2019 19:48

Instrument :

BNA_F

ClientSampleId :

SB-23(4-5)

Tgt Ion: 136 Resp: 677023

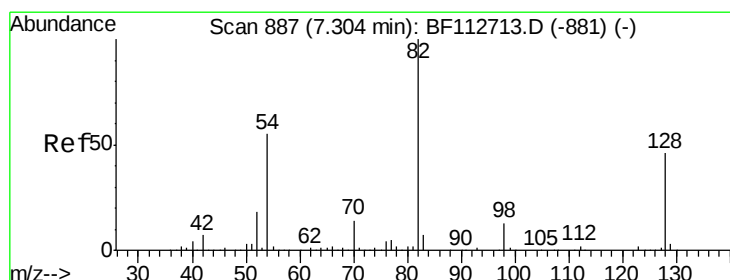
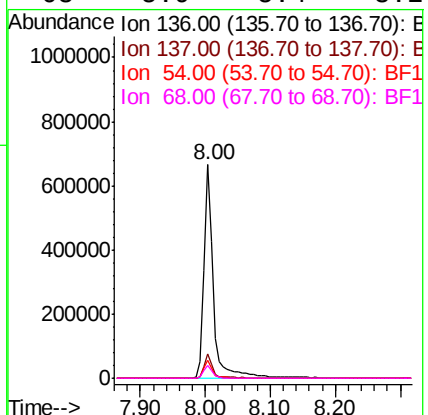
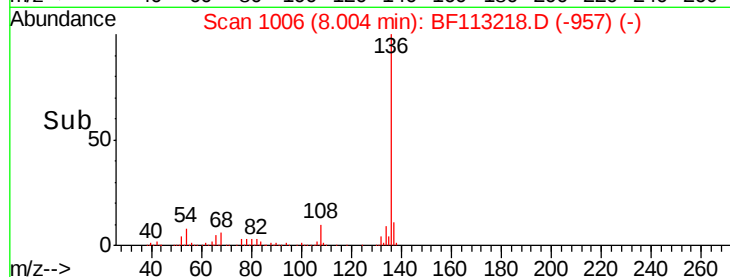
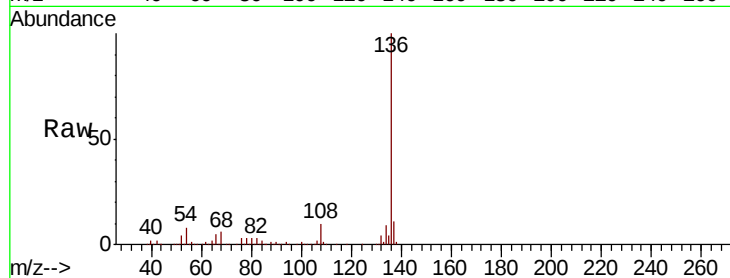
Ion Ratio Lower Upper

136 100

137 11.2 8.9 13.3

54 8.4 7.3 10.9

68 5.9 5.4 8.2



#23

Nitrobenzene-d5

Concen: 19.346 ng

RT: 7.28 min Scan# 883

Delta R.T. -0.02 min

Lab File: BF113218.D

Acq: 21 Mar 2019 19:48

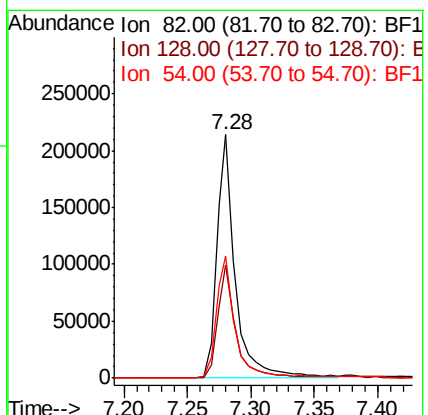
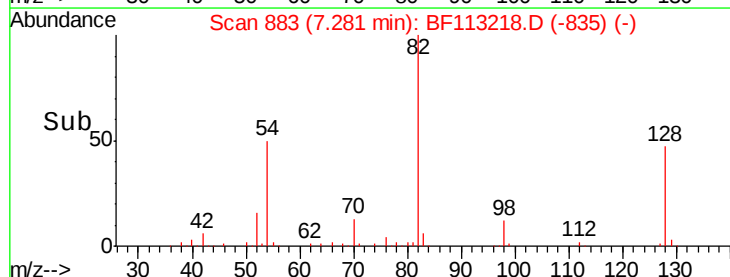
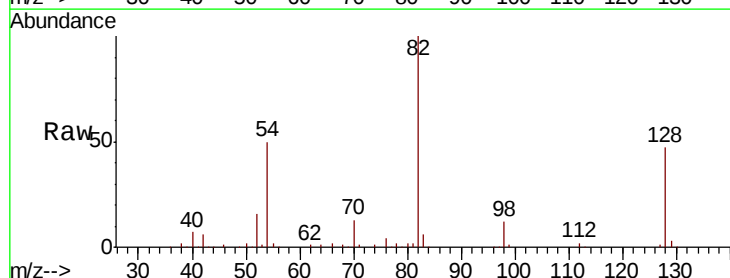
Tgt Ion: 82 Resp: 218885

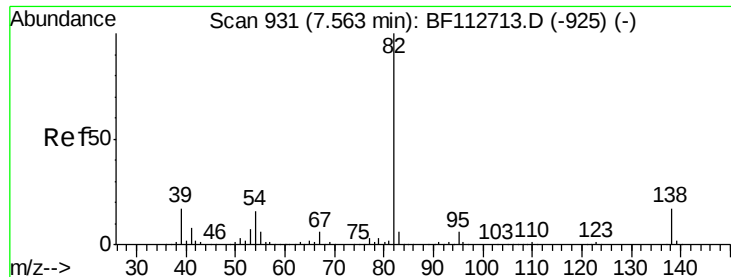
Ion Ratio Lower Upper

82 100

128 46.6 36.3 54.5

54 49.9 43.7 65.5

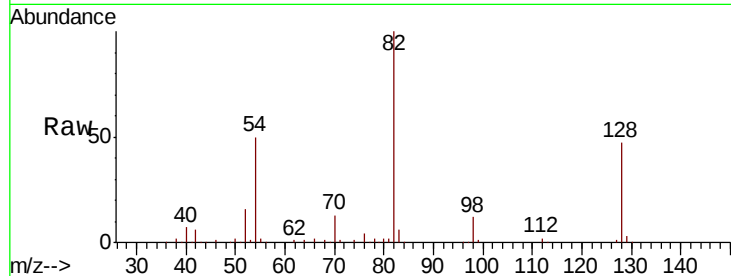




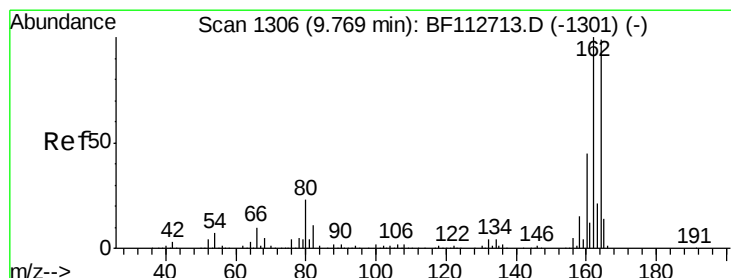
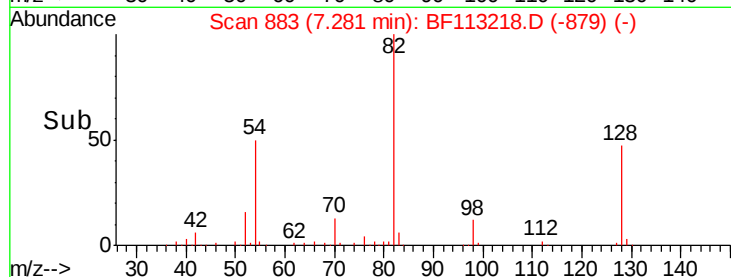
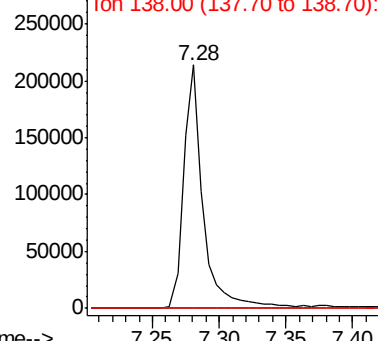
#25
Isophorone
Concen: 8.980 ng
RT: 7.28 min Scan# 883
Delta R.T. -0.28 min
Lab File: BF113218.D
Acq: 21 Mar 2019 19:48

Instrument :
BNA_F
ClientSampled :
SB-23(4-5)

Tgt Ion: 82 Resp: 218882
Ion Ratio Lower Upper
82 100
95 0.0 5.2 7.8#
138 0.0 13.8 20.8#

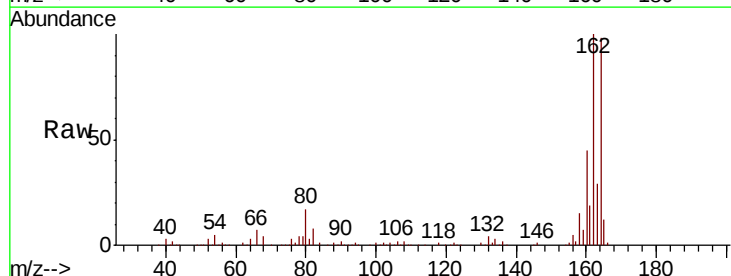


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 95.00 (94.70 to 95.70): BF1
Ion 138.00 (137.70 to 138.70): BF1

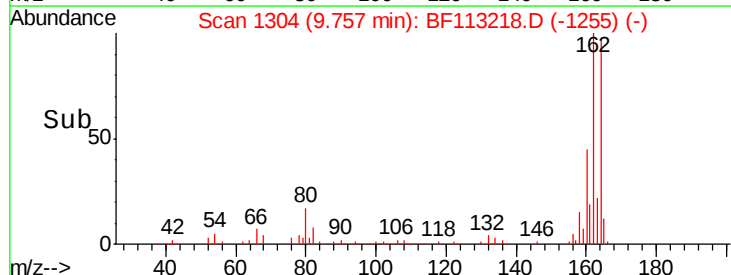
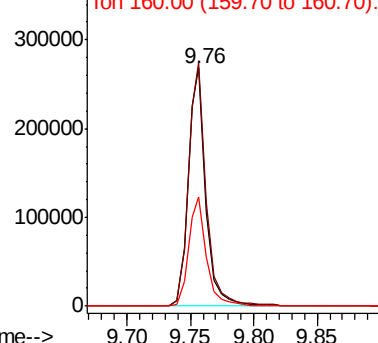


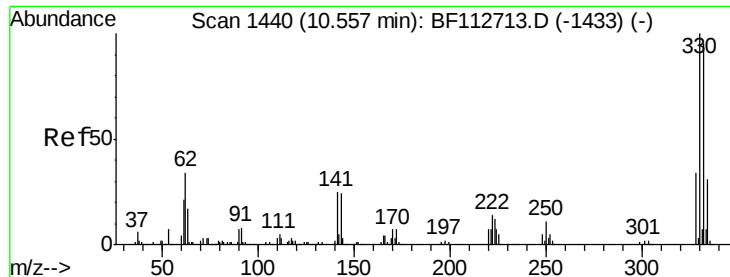
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.76 min Scan# 1304
Delta R.T. -0.01 min
Lab File: BF113218.D
Acq: 21 Mar 2019 19:48

Tgt Ion: 164 Resp: 260952
Ion Ratio Lower Upper
164 100
162 102.2 80.6 120.8
160 46.1 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: 35.862 ng

RT: 10.55 min Scan# 1438

Delta R.T. -0.01 min

Lab File: BF113218.D

Acq: 21 Mar 2019 19:48

Instrument :

BNA_F

ClientSampleId :

SB-23(4-5)

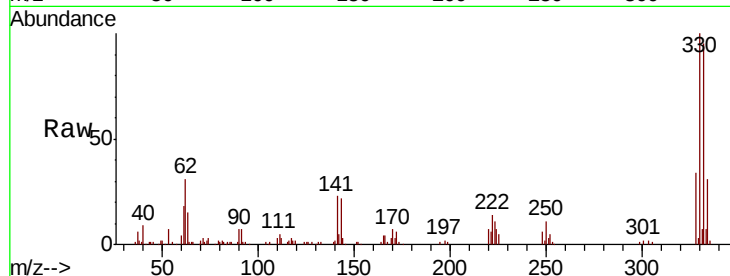
Tgt Ion:330 Resp: 99349

Ion Ratio Lower Upper

330 100

332 95.3 76.2 114.4

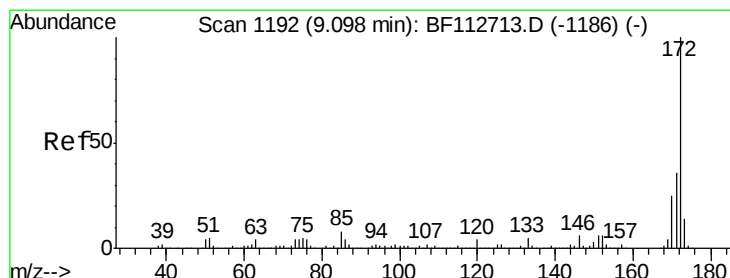
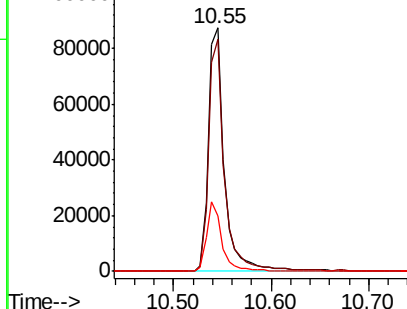
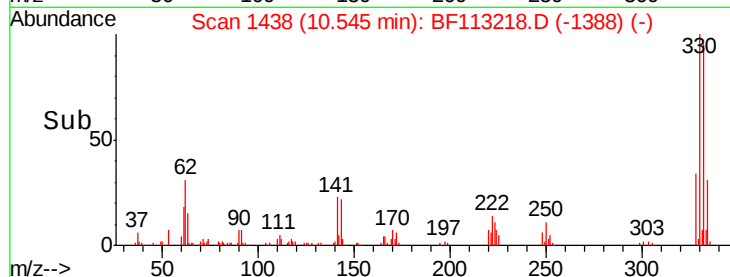
141 27.1 27.0 40.6



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: 17.478 ng

RT: 9.08 min Scan# 1189

Delta R.T. -0.01 min

Lab File: BF113218.D

Acq: 21 Mar 2019 19:48

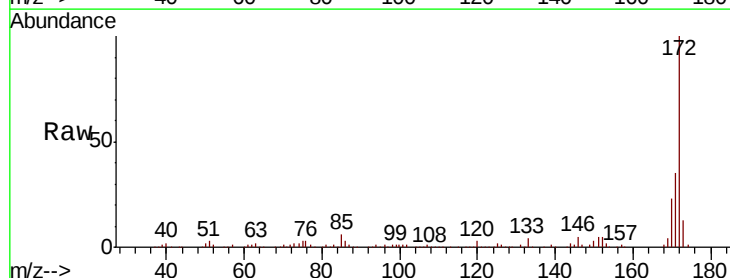
Tgt Ion:172 Resp: 351868

Ion Ratio Lower Upper

172 100

171 35.1 29.0 43.4

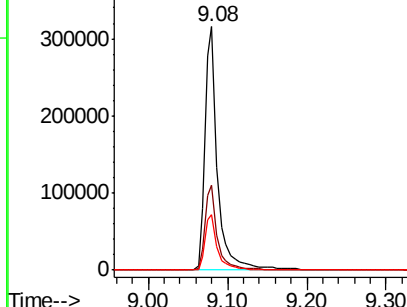
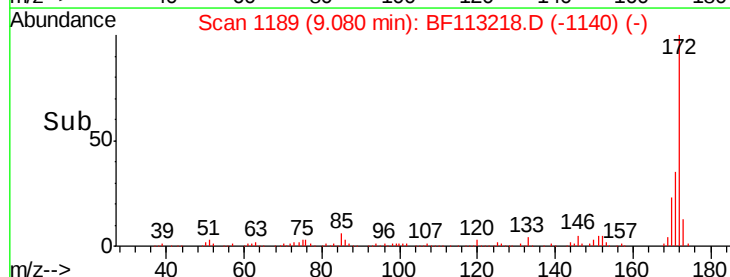
170 22.9 20.0 30.0

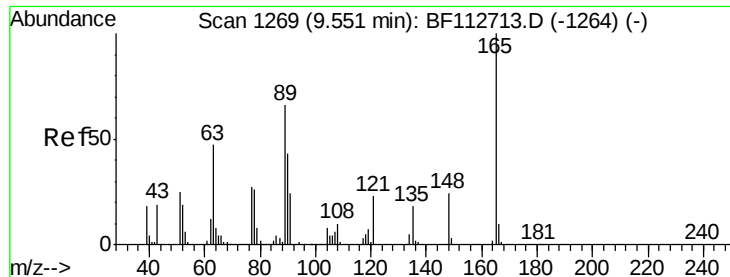


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

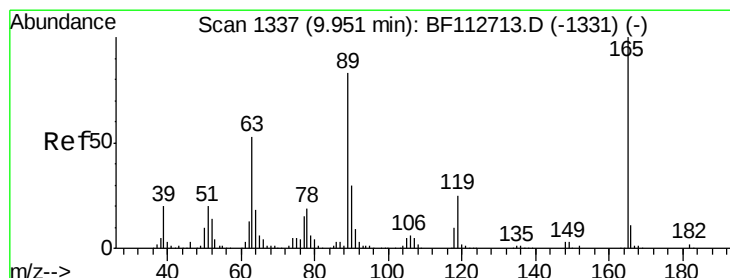
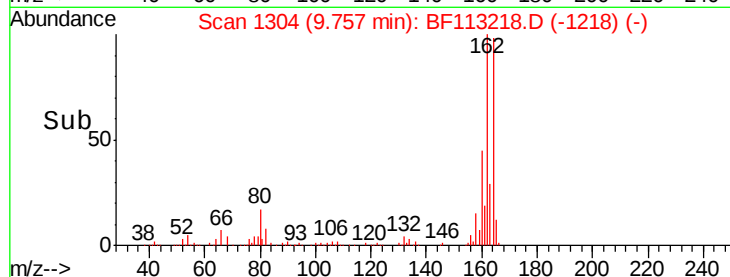
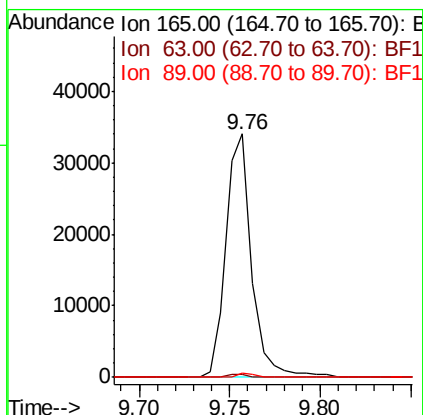
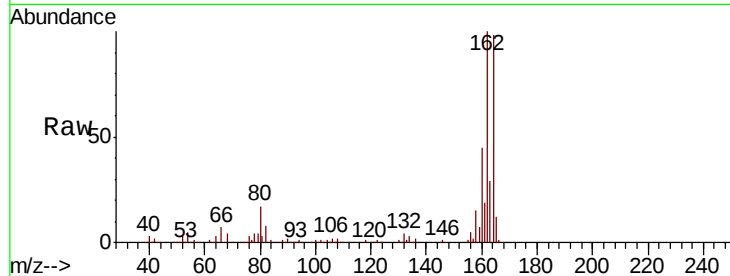




#51
 2,6-Dinitrotoluene
 Concen: 8.374 ng
 RT: 9.76 min Scan# 1304
 Delta R.T. 0.21 min
 Lab File: BF113218.D
 Acq: 21 Mar 2019 19:48

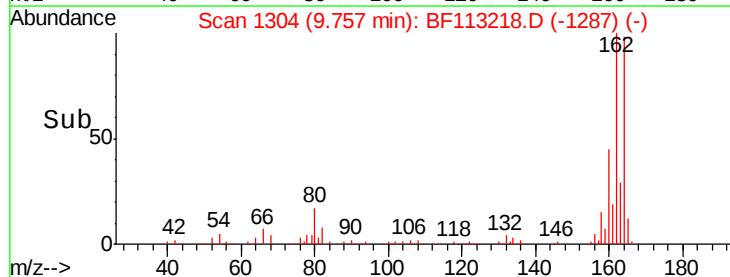
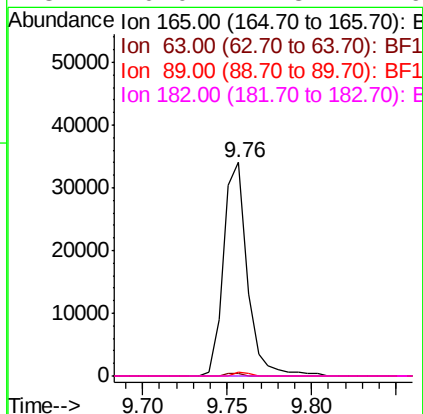
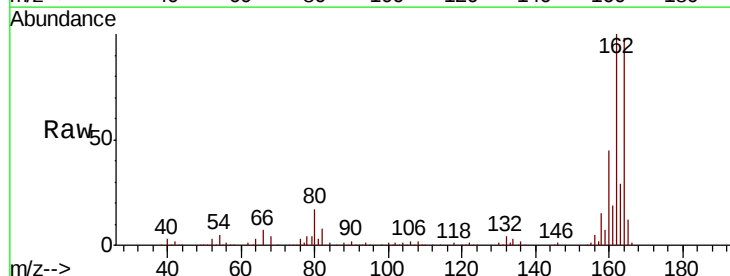
Instrument :
 BNA_F
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 SB-23(4-5)

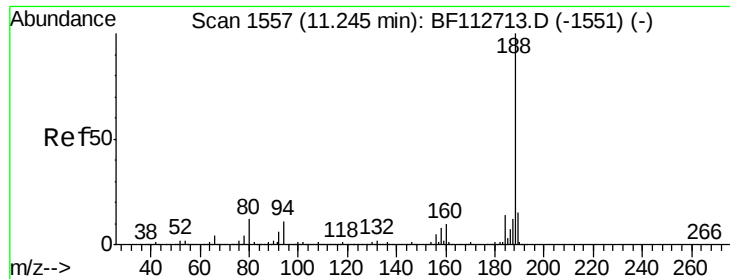
Tgt Ion:165 Resp: 33555
 Ion Ratio Lower Upper
 165 100
 63 1.2 54.1 81.1#
 89 1.5 52.8 79.2#



#57
 2,4-Dinitrotoluene
 Concen: 6.737 ng
 RT: 9.76 min Scan# 1304
 Delta R.T. -0.20 min
 Lab File: BF113218.D
 Acq: 21 Mar 2019 19:48

Tgt Ion:165 Resp: 33556
 Ion Ratio Lower Upper
 165 100
 63 1.2 42.2 63.2#
 89 1.5 66.2 99.4#
 182 0.0 1.8 2.6#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.23 min Scan# 1555

Delta R.T. -0.01 min

Lab File: BF113218.D

Acq: 21 Mar 2019 19:48

Instrument :

BNA_F

ClientSampleId :

SB-23(4-5)

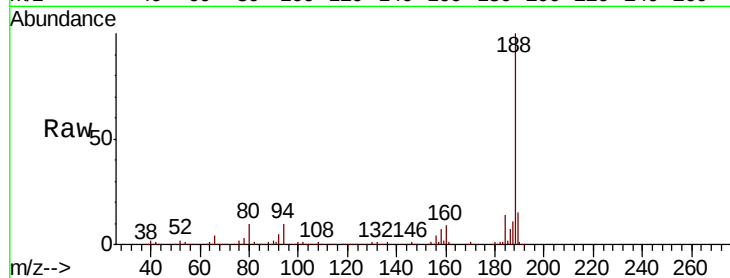
Tgt Ion:188 Resp: 517564

Ion Ratio Lower Upper

188 100

94 9.5 9.0 13.4

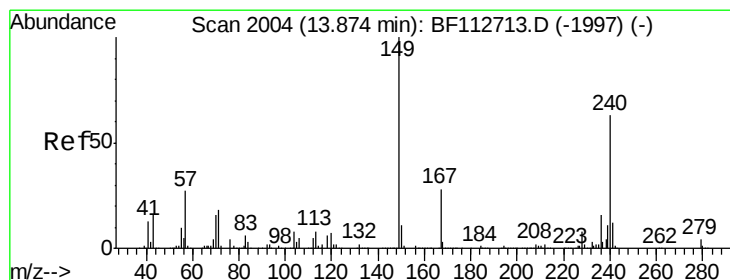
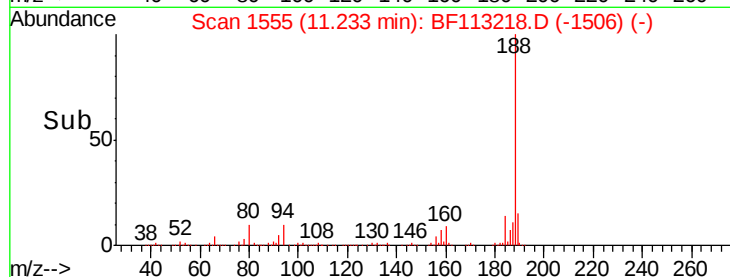
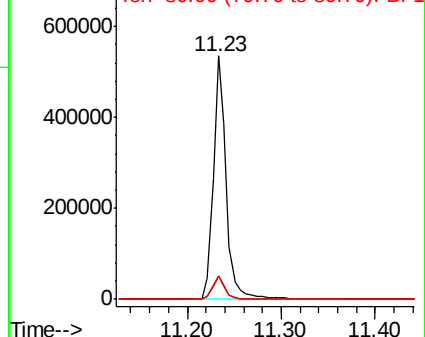
80 9.9 9.2 13.8



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



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.87 min Scan# 2003

Delta R.T. -0.00 min

Lab File: BF113218.D

Acq: 21 Mar 2019 19:48

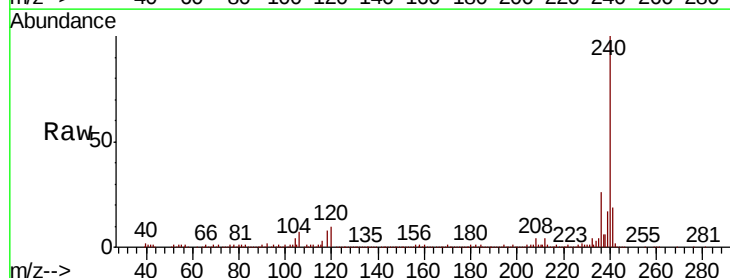
Tgt Ion:240 Resp: 357513

Ion Ratio Lower Upper

240 100

120 9.9 8.9 13.3

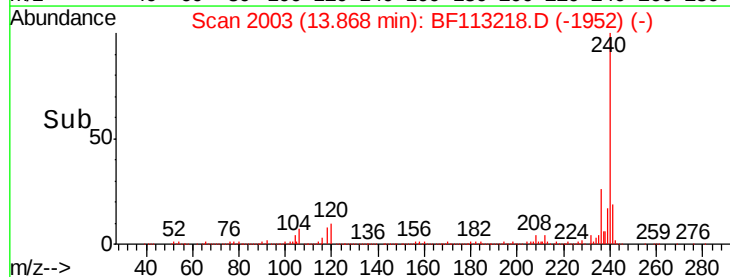
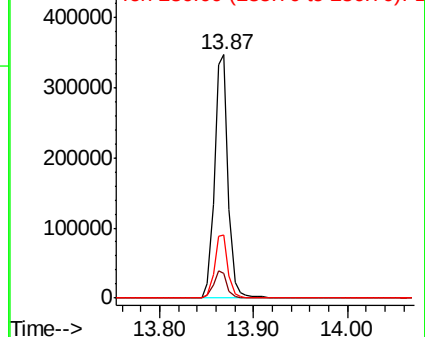
236 26.2 20.7 31.1

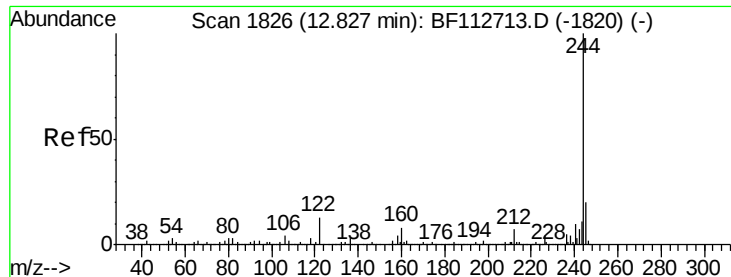


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

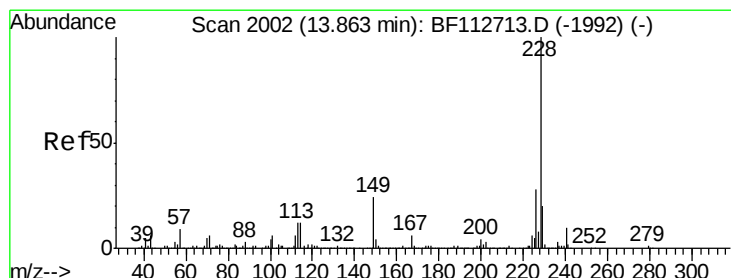
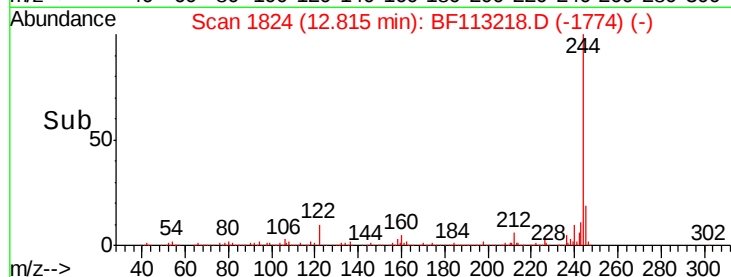
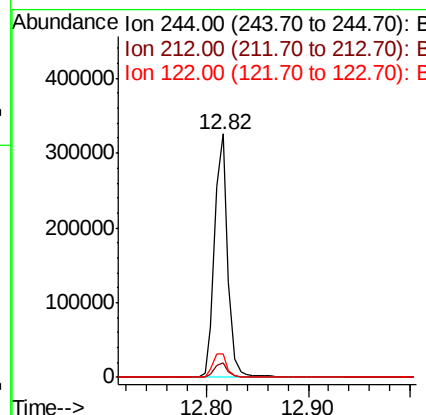
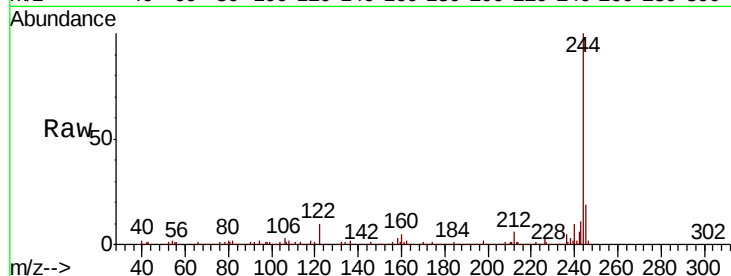




#79
 Terphenyl-d14
 Concen: 15.926 ng
 RT: 12.82 min Scan# 1824
 Delta R.T. -0.01 min
 Lab File: BF113218.D
 Acq: 21 Mar 2019 19:48

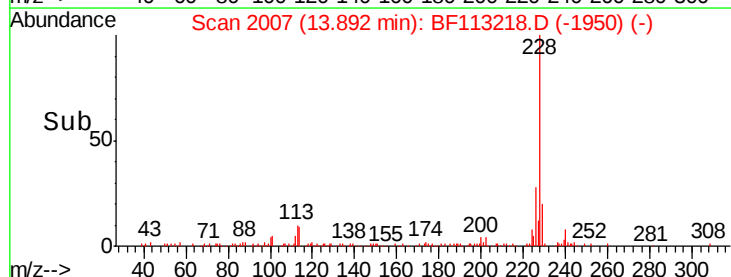
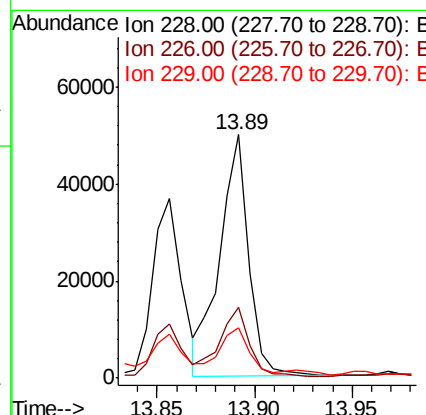
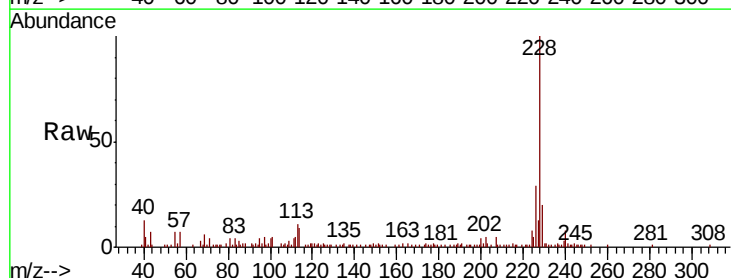
Instrument :
 BNA_F
 ClientSampleId :
 SB-23(4-5)

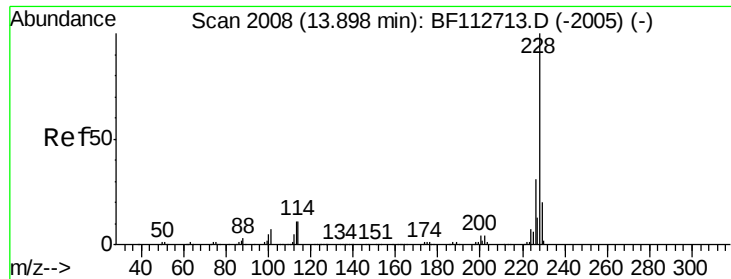
Tgt Ion:244 Resp: 293723
 Ion Ratio Lower Upper
 244 100
 212 6.1 5.6 8.4
 122 9.6 10.5 15.7#



#81
 Benzo(a)anthracene
 Concen: 2.079 ng
 RT: 13.89 min Scan# 2007
 Delta R.T. 0.04 min
 Lab File: BF113218.D
 Acq: 21 Mar 2019 19:48

Tgt Ion:228 Resp: 51506
 Ion Ratio Lower Upper
 228 100
 226 29.0 22.2 33.4
 229 20.5 16.0 24.0

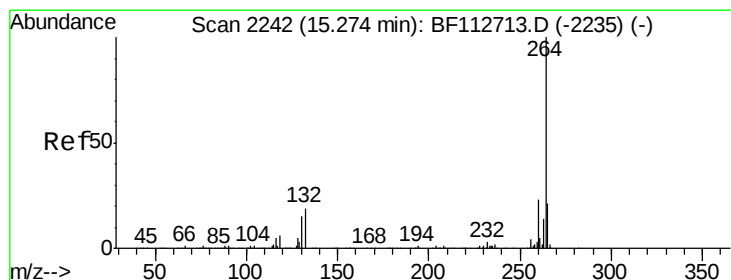
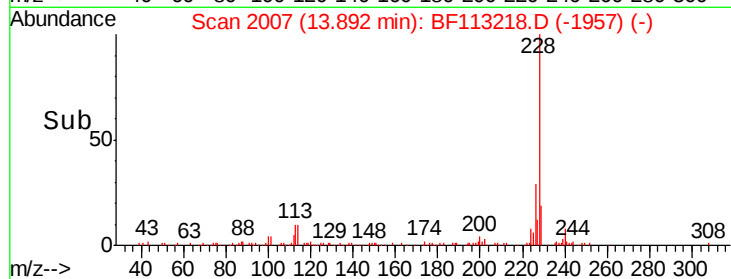
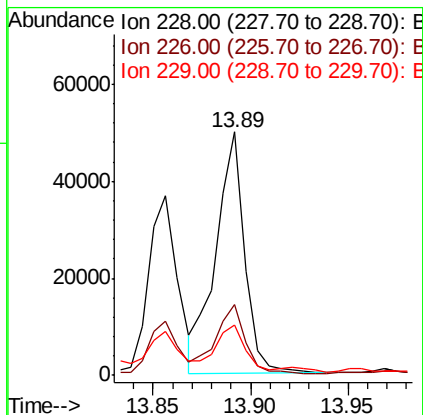
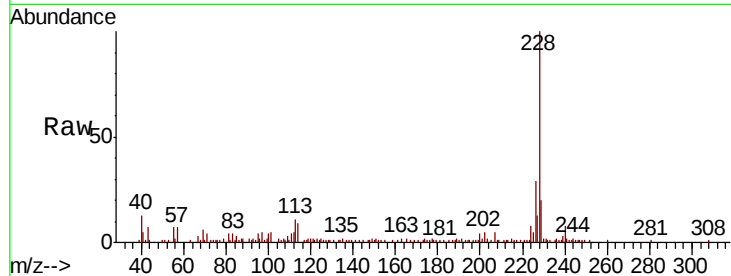




#83
Chrysene
Concen: 2.122 ng
RT: 13.89 min Scan# 2007
Delta R.T. -0.01 min
Lab File: BF113218.D
Acq: 21 Mar 2019 19:48

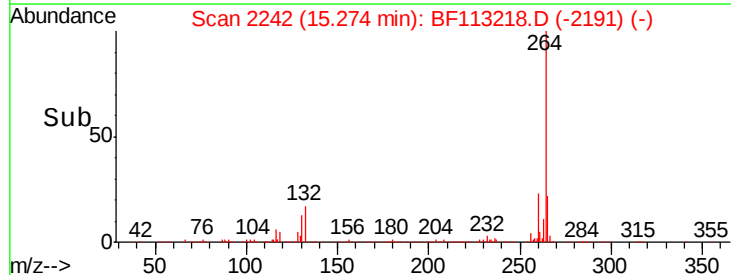
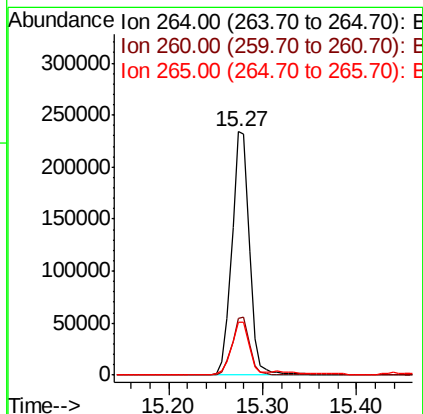
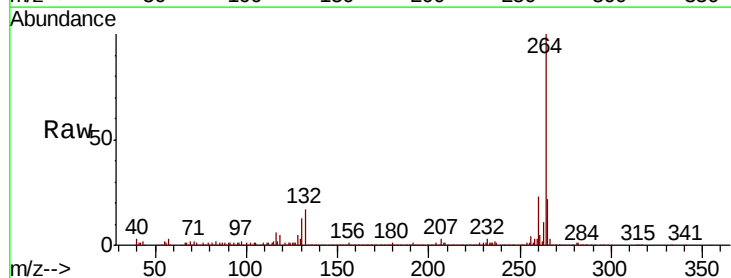
Instrument :
BNA_F
ClientSampleId :
SB-23(4-5)

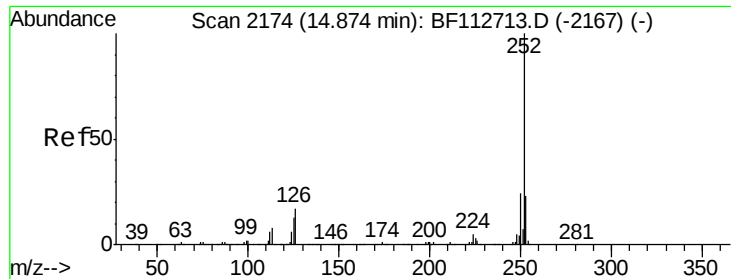
Tgt Ion:228 Resp: 51506
Ion Ratio Lower Upper
228 100
226 29.0 24.9 37.3
229 20.5 16.3 24.5



#87
Perylene-d12
Concen: 20.000 ng
RT: 15.27 min Scan# 2242
Delta R.T. -0.00 min
Lab File: BF113218.D
Acq: 21 Mar 2019 19:48

Tgt Ion:264 Resp: 305028
Ion Ratio Lower Upper
264 100
260 23.2 18.7 28.1
265 21.8 17.2 25.8





#88

Benzo(b)fluoranthene

Concen: 2.727 ng

RT: 14.87 min Scan# 2174

Delta R.T. -0.00 min

Lab File: BF113218.D

Acq: 21 Mar 2019 19:48

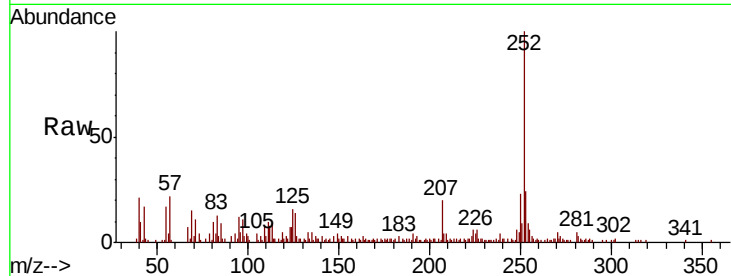
Instrument :

BNA_F

ClientSampleId :

SB-23(4-5)

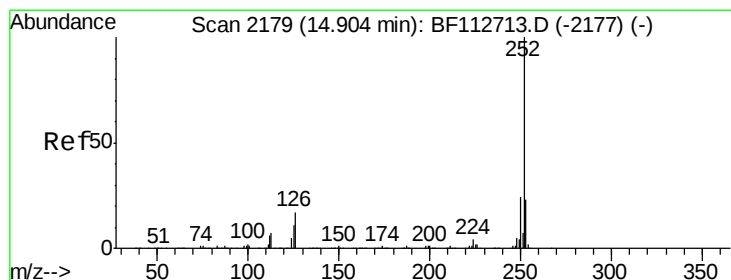
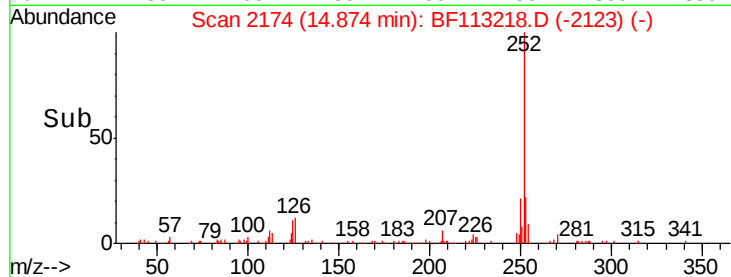
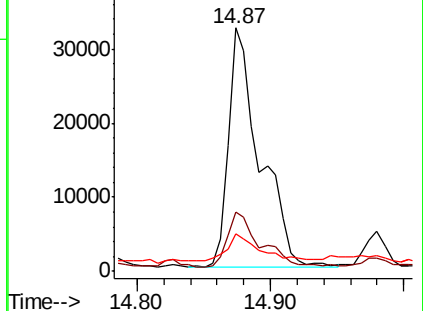
Tgt Ion:	252	Resp:	53812
Ion	Ratio	Lower	Upper
252	100		
253	24.3	18.0	27.0
125	15.6	10.2	15.2#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#89

Benzo(k)fluoranthene

Concen: 3.011 ng

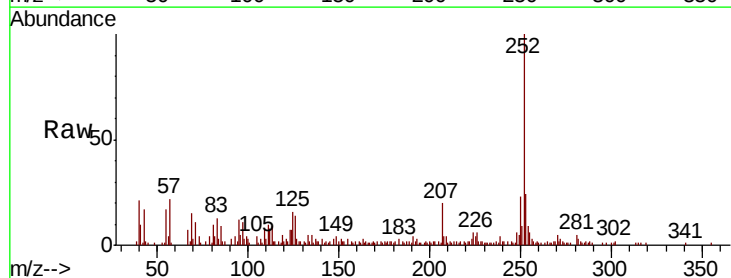
RT: 14.87 min Scan# 2174

Delta R.T. -0.03 min

Lab File: BF113218.D

Acq: 21 Mar 2019 19:48

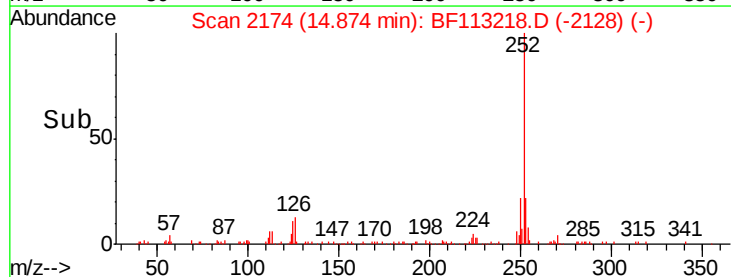
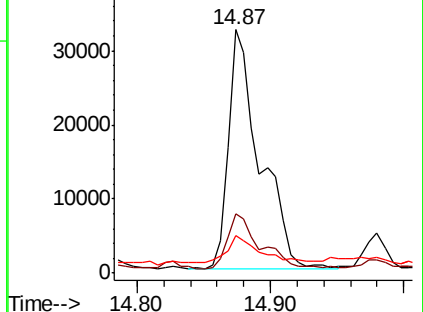
Tgt Ion:	252	Resp:	53812
Ion	Ratio	Lower	Upper
252	100		
253	24.3	18.2	27.2
125	15.6	9.8	14.6#

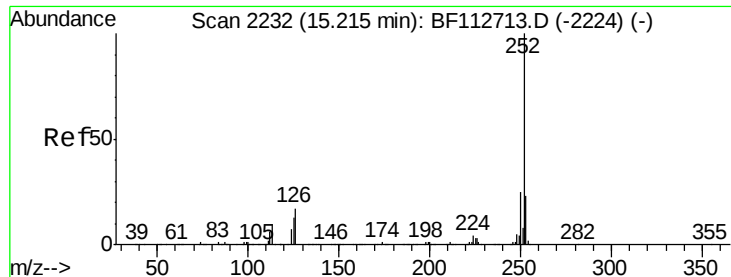


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Benzo(a)pyrene

Concen: 2.045 ng

RT: 15.22 min Scan# 2232

Delta R.T. -0.00 min

Lab File: BF113218.D

Acq: 21 Mar 2019 19:48

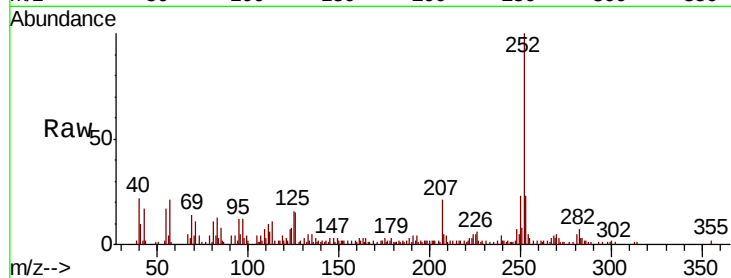
Instrument :

BNA_F

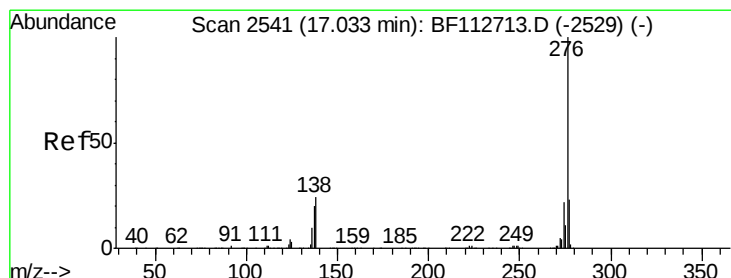
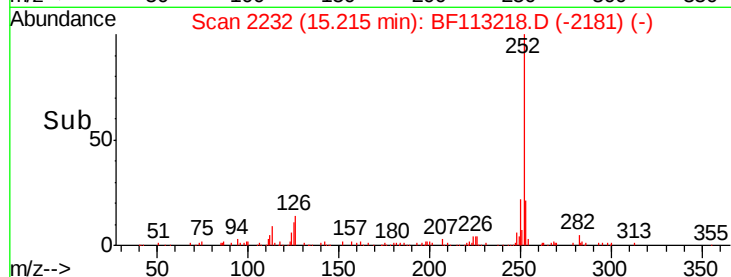
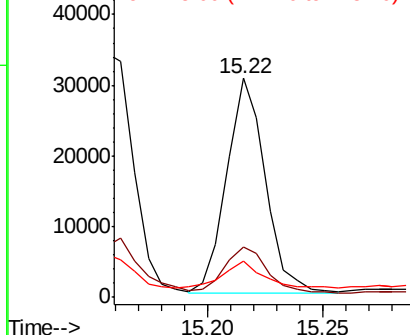
ClientSampleId :

SB-23(4-5)

Tgt Ion:	252	Resp:	35697
Ion	Ratio	Lower	Upper
252	100		
253	23.2	18.0	27.0
125	16.3	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: 2.423 ng

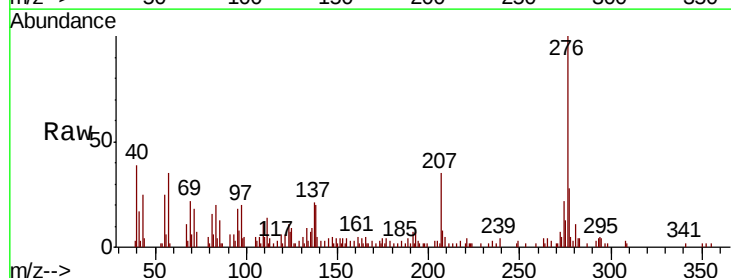
RT: 17.05 min Scan# 2544

Delta R.T. 0.01 min

Lab File: BF113218.D

Acq: 21 Mar 2019 19:48

Tgt Ion:	276	Resp:	36239
Ion	Ratio	Lower	Upper
276	100		
277	27.6	18.6	27.8
138	19.7	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

