

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF032119\
 Data File : BF113217.D
 Acq On : 21 Mar 2019 19:20
 Operator : JU/SJ
 Sample : K2004-11 5X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-23(0.5-1.5)

Quant Time: Mar 22 00:44:57 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	148595	20.00	ng	-0.01
21) Naphthalene-d8	8.00	136	544791	20.00	ng	-0.01
39) Acenaphthene-d10	9.76	164	285193	20.00	ng	-0.01
64) Phenanthrene-d10	11.23	188	415993	20.00	ng	-0.01
76) Chrysene-d12	13.87	240	345005	20.00	ng	0.00
87) Perylene-d12	15.28	264	297634	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.33	112	207883	21.76	ng	-0.01
7) Phenol-d6	6.36	99	338849	28.24	ng	-0.01
23) Nitrobenzene-d5	7.28	82	201560	22.14	ng	-0.02
42) 2,4,6-Tribromophenol	10.55	330	56465	18.65	ng	0.00
45) 2-Fluorobiphenyl	9.08	172	390102	17.77	ng	-0.01
79) Terphenyl-d14	12.82	244	268654	15.10	ng	0.00

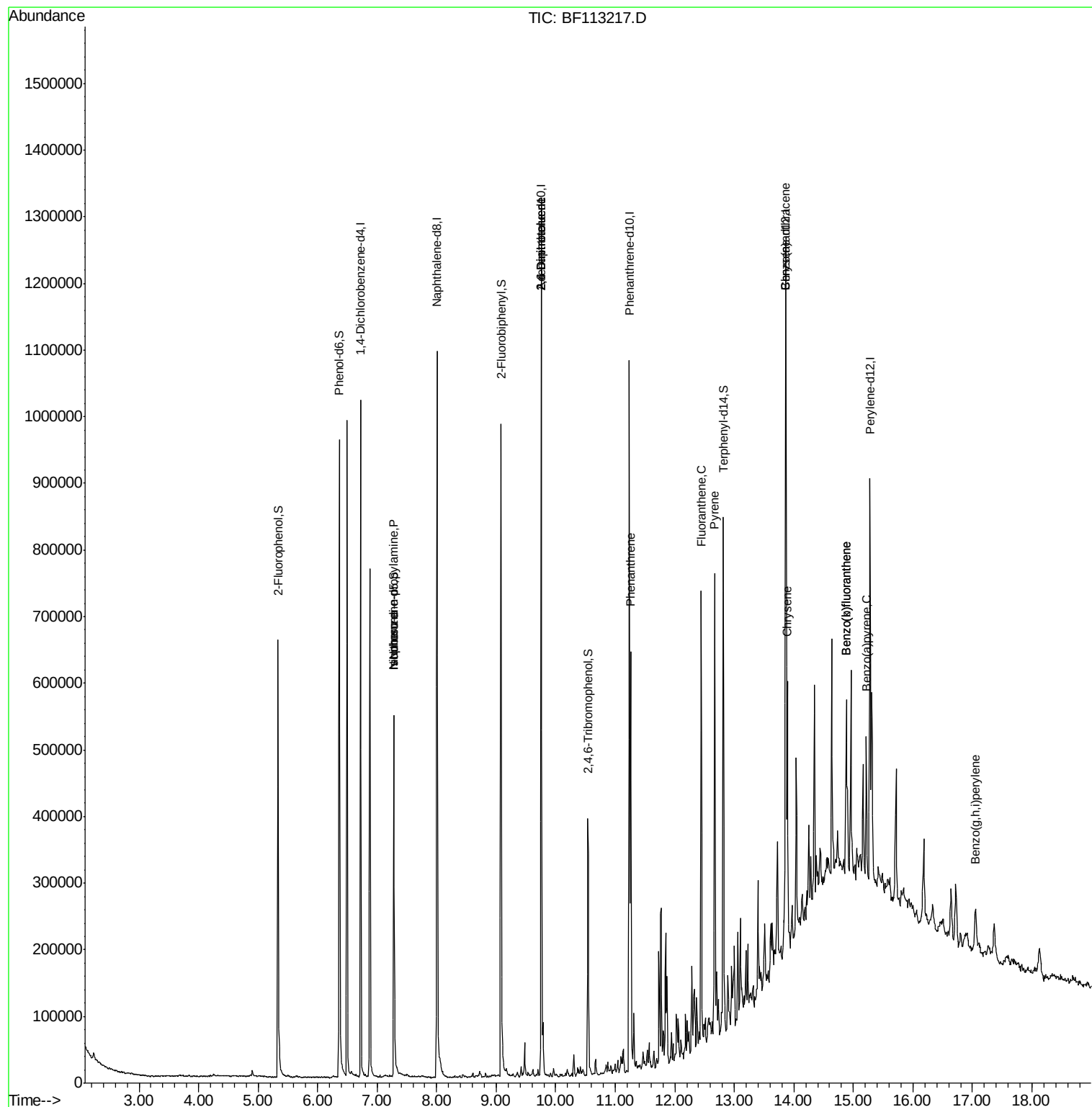
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.28	70	25059	3.297	ng	# 79
25) Isophorone	7.28	82	201558	10.276	ng	# 66
51) 2,6-Dinitrotoluene	9.76	165	36687	8.378	ng	# 18
57) 2,4-Dinitrotoluene	9.76	165	36688	6.740	ng	# 18
71) Phenanthrene	11.26	178	229852	11.105	ng	98
75) Fluoranthene	12.45	202	258893	11.675	ng	94
78) Pyrene	12.67	202	303020	10.419	ng	99
81) Benzo(a)anthracene	13.86	228	151842	6.350	ng	99
83) Chrysene	13.89	228	165756	7.077	ng	98
88) Benzo(b)fluoranthene	14.88	252	184199	9.568	ng	98
89) Benzo(k)fluoranthene	14.88	252	184199	10.563	ng	98
90) Benzo(a)pyrene	15.22	252	102928	6.044	ng	98
92) Benzo(g,h,i)perylene	17.05	276	51433	3.525	ng	95

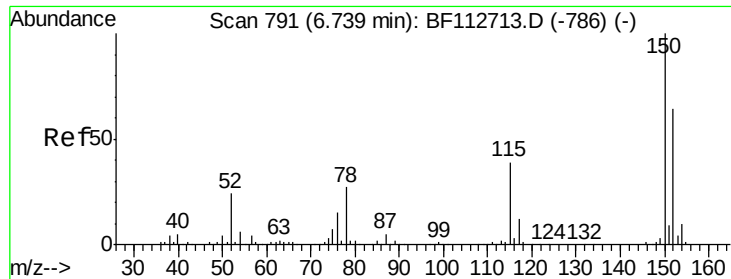
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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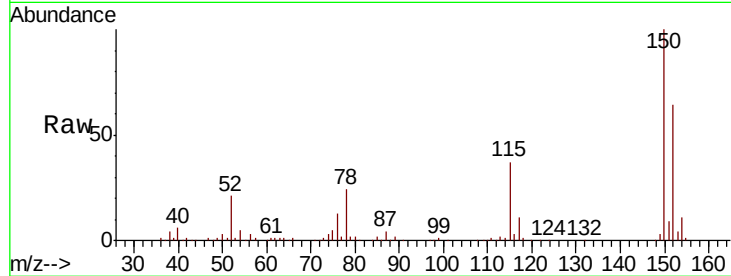


#1

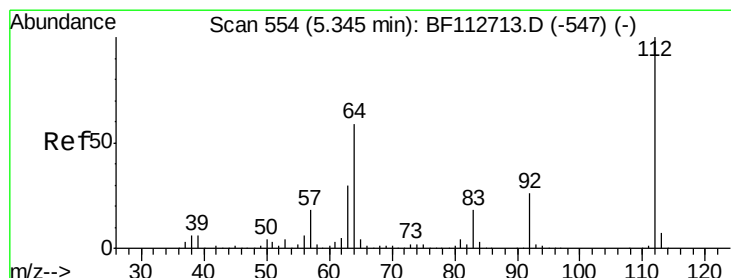
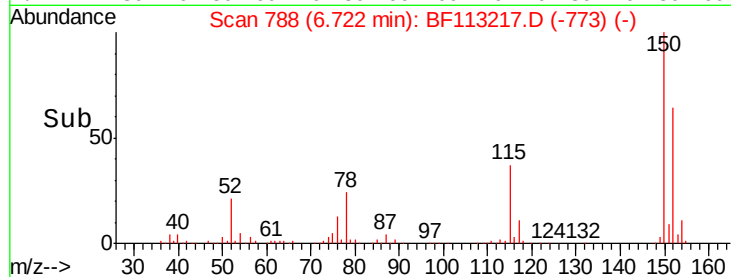
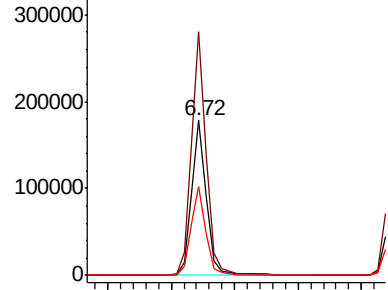
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.72 min Scan# 788
 Delta R.T. -0.01 min
 Lab File: BF113217.D
 Acq: 21 Mar 2019 19:20

Instrument :
 BNA_F
 ClientSampleId :
 SB-23(0.5-1.5)

Tgt Ion:152 Resp: 148595
 Ion Ratio Lower Upper
 152 100
 150 157.4 124.2 186.2
 115 57.5 48.2 72.4



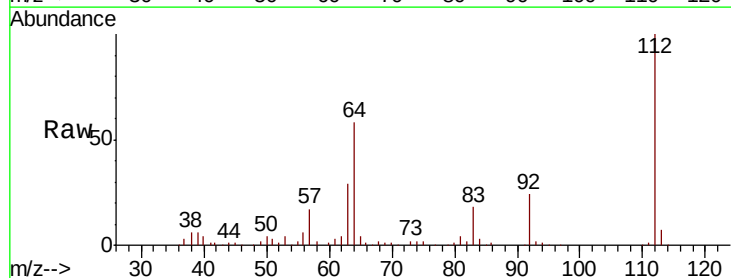
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



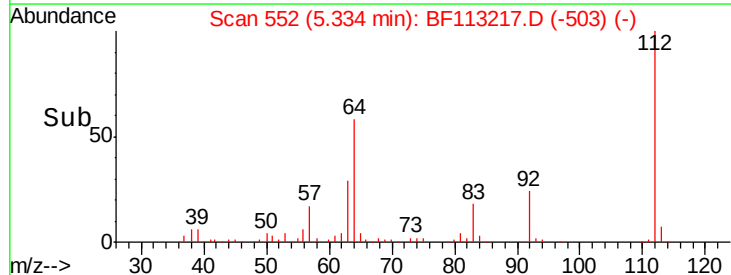
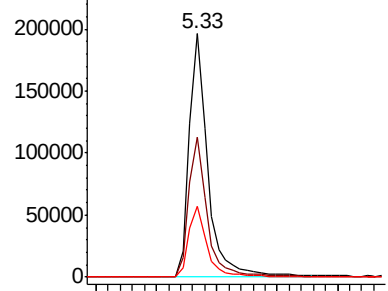
#5

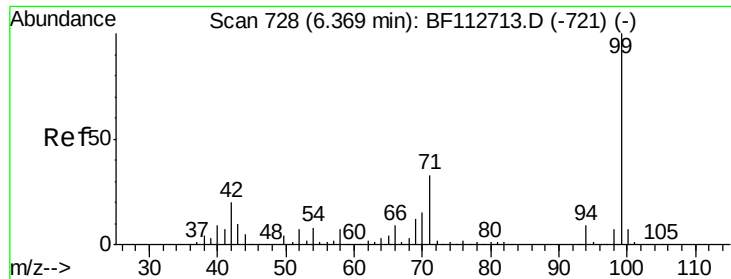
2-Fluorophenol
 Concen: 21.762 ng
 RT: 5.33 min Scan# 552
 Delta R.T. -0.01 min
 Lab File: BF113217.D
 Acq: 21 Mar 2019 19:20

Tgt Ion:112 Resp: 207883
 Ion Ratio Lower Upper
 112 100
 64 57.7 47.6 71.4
 63 29.2 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: 28.238 ng

RT: 6.36 min Scan# 727

Delta R.T. -0.01 min

Lab File: BF113217.D

Acq: 21 Mar 2019 19:20

Instrument :

BNA_F

ClientSampleId :

SB-23(0.5-1.5)

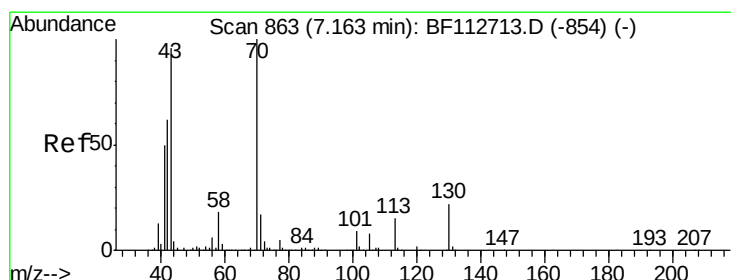
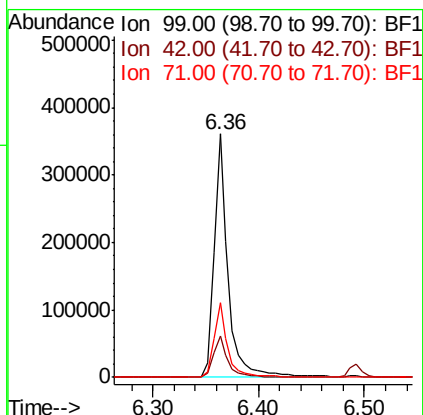
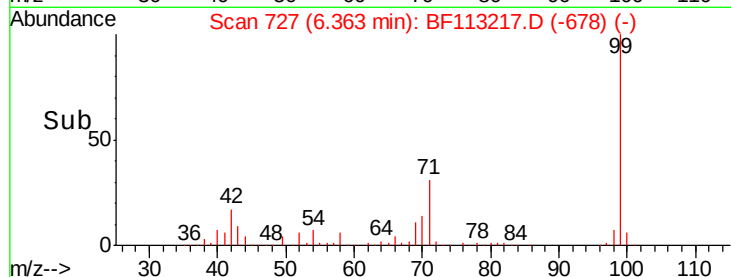
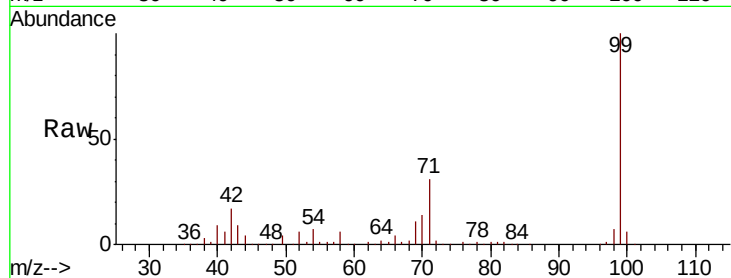
Tgt Ion: 99 Resp: 338849

Ion Ratio Lower Upper

99 100

42 17.2 16.3 24.5

71 30.7 26.2 39.4



#19

n-Nitroso-di-n-propylamine

Concen: 3.297 ng

RT: 7.28 min Scan# 883

Delta R.T. 0.12 min

Lab File: BF113217.D

Acq: 21 Mar 2019 19:20

Tgt Ion: 70 Resp: 25059

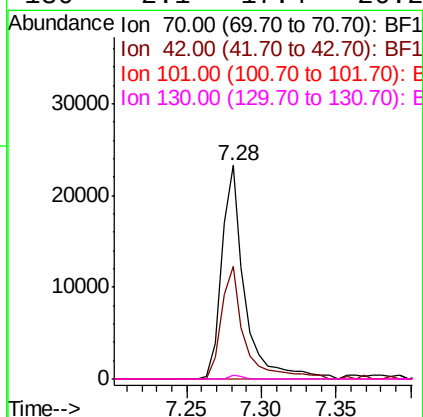
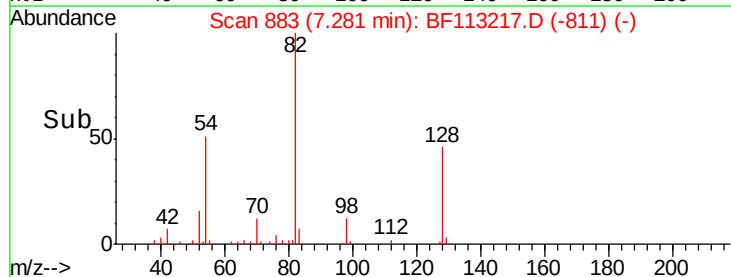
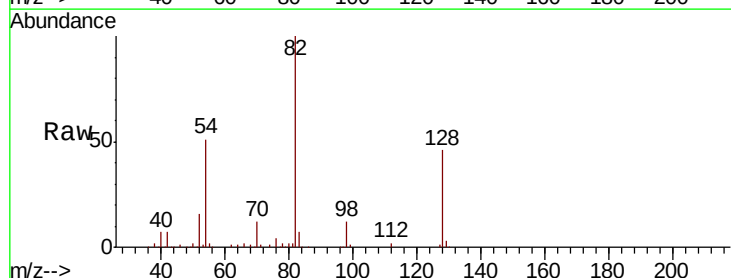
Ion Ratio Lower Upper

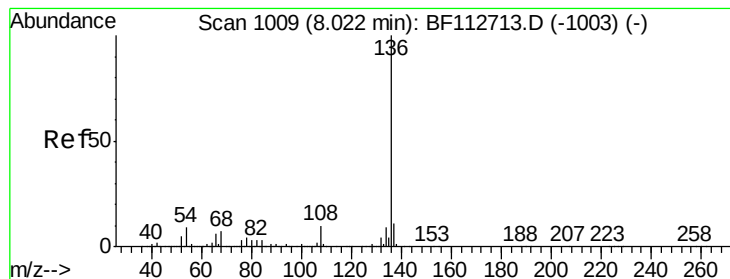
70 100

42 52.7 49.9 74.9

101 0.0 7.4 11.2#

130 2.1 17.4 26.2#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.00 min Scan# 1006

Delta R.T. -0.01 min

Lab File: BF113217.D

Acq: 21 Mar 2019 19:20

Instrument :

BNA_F

ClientSampleId :

SB-23(0.5-1.5)

Tgt Ion: 136 Resp: 544791

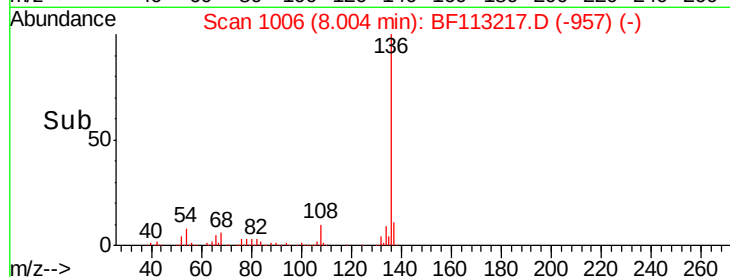
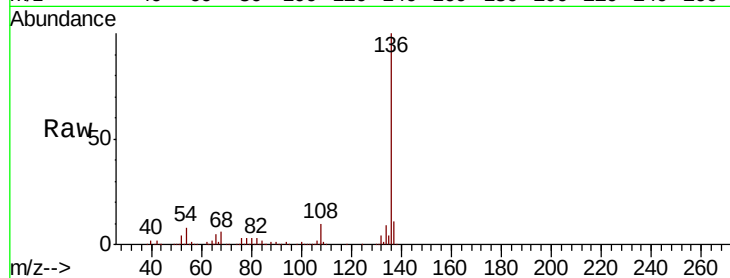
Ion Ratio Lower Upper

136 100

137 11.0 8.9 13.3

54 8.1 7.3 10.9

68 5.9 5.4 8.2

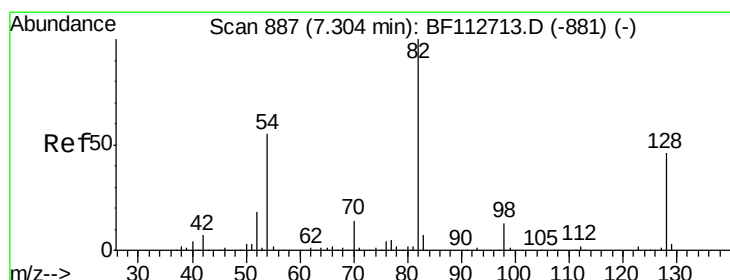
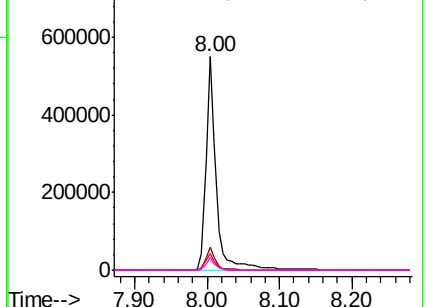


Abundance Ion 136.00 (135.70 to 136.70): E

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: 22.139 ng

RT: 7.28 min Scan# 883

Delta R.T. -0.02 min

Lab File: BF113217.D

Acq: 21 Mar 2019 19:20

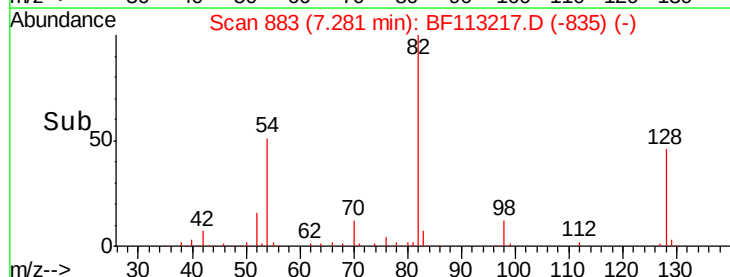
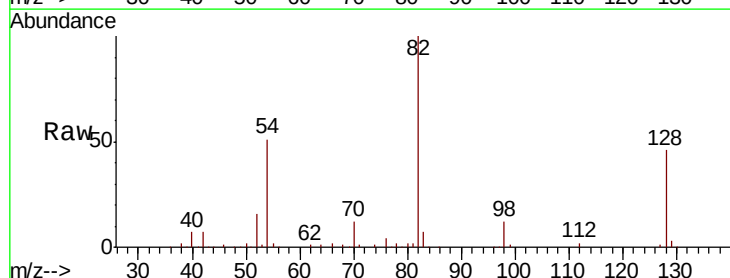
Tgt Ion: 82 Resp: 201560

Ion Ratio Lower Upper

82 100

128 45.9 36.3 54.5

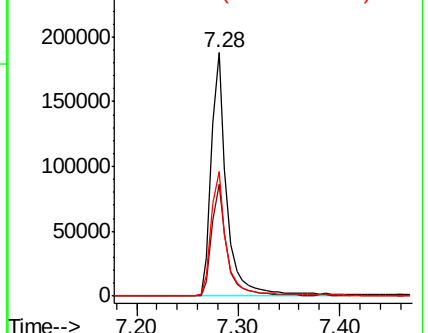
54 51.1 43.7 65.5

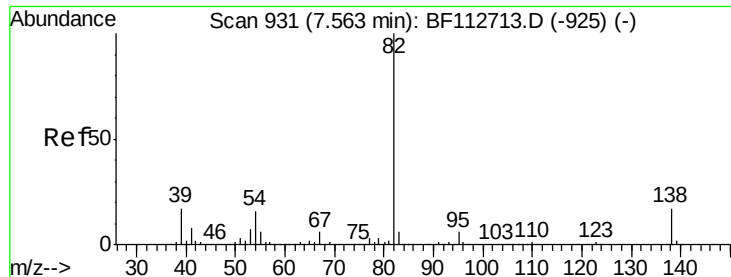


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 10.276 ng

RT: 7.28 min Scan# 883

Delta R.T. -0.28 min

Lab File: BF113217.D

Acq: 21 Mar 2019 19:20

Instrument :

BNA_F

ClientSampleId :

SB-23(0.5-1.5)

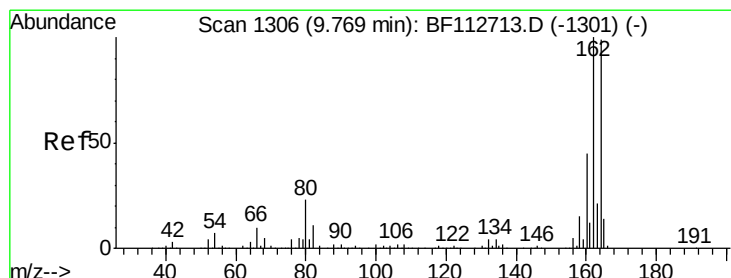
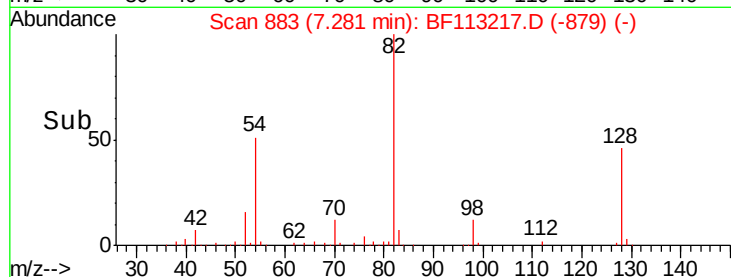
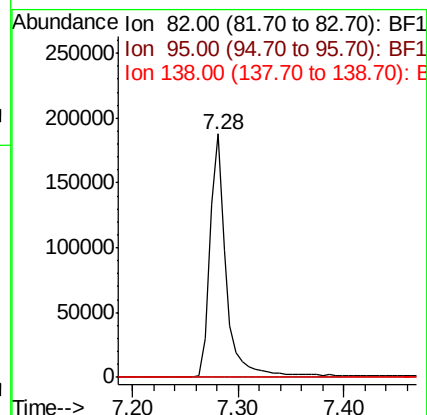
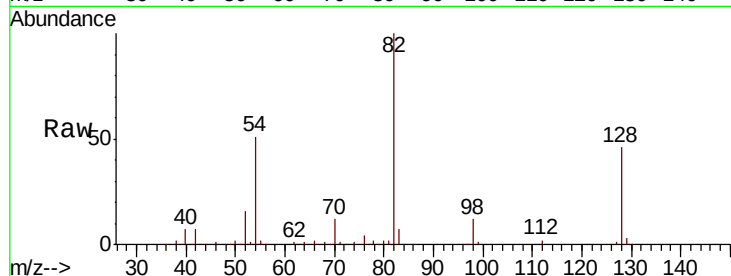
Tgt Ion: 82 Resp: 201558

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: 9.76 min Scan# 1304

Delta R.T. -0.01 min

Lab File: BF113217.D

Acq: 21 Mar 2019 19:20

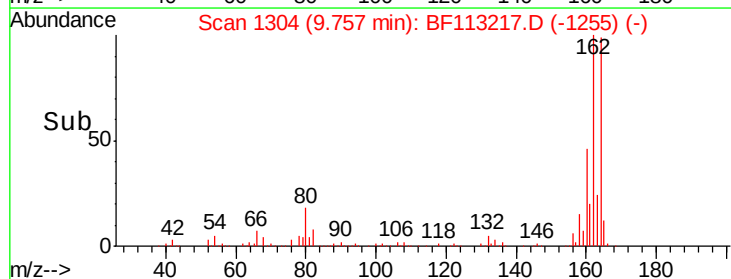
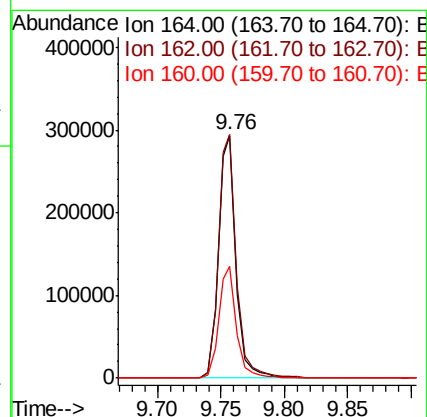
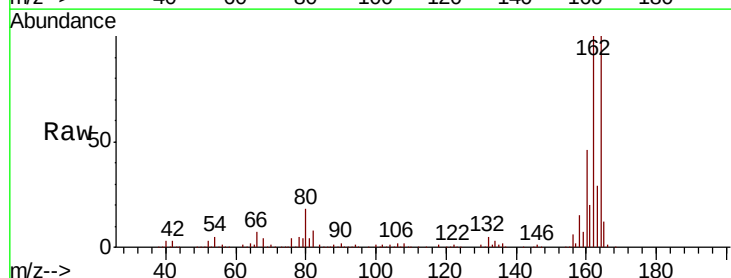
Tgt Ion: 164 Resp: 285193

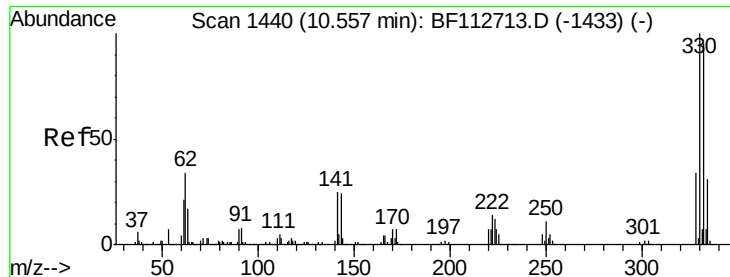
Ion Ratio Lower Upper

164 100

162 100.5 80.6 120.8

160 46.0 36.0 54.0

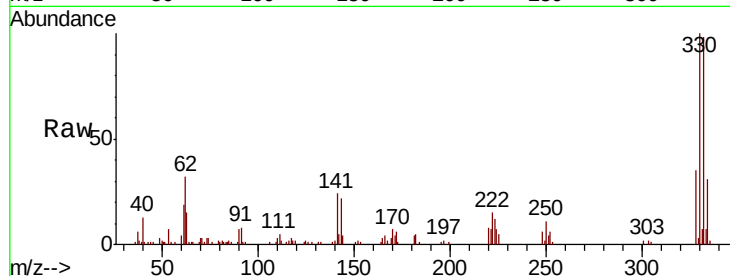




#42
 2,4,6-Tribromophenol
 Concen: 18.650 ng
 RT: 10.55 min Scan# 1438
 Delta R.T. -0.01 min
 Lab File: BF113217.D
 Acq: 21 Mar 2019 19:20

Instrument :
 BNA_F
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 SB-23(0.5-1.5)

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.3	76.2	114.4
141	29.3	27.0	40.6

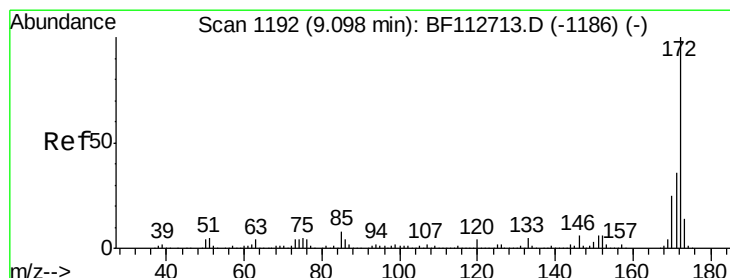
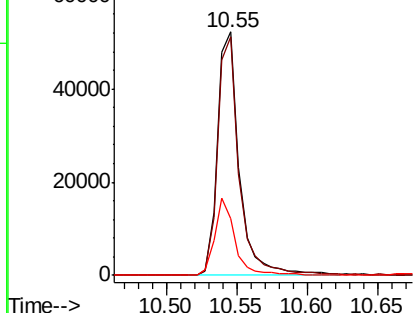
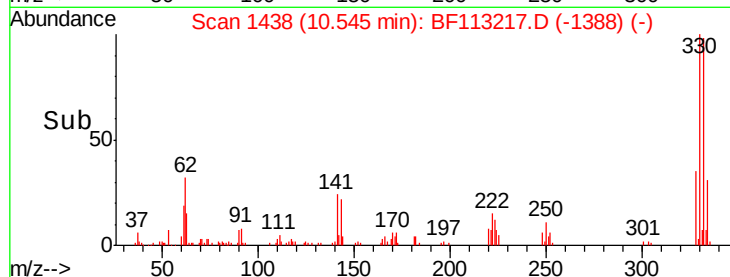


Abundance

Ion 329.80 (329.50 to 330.50): E

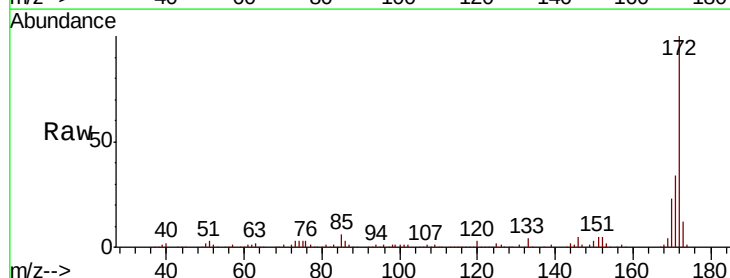
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 17.765 ng
 RT: 9.08 min Scan# 1189
 Delta R.T. -0.01 min
 Lab File: BF113217.D
 Acq: 21 Mar 2019 19:20

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.2	29.0	43.4
170	22.8	20.0	30.0

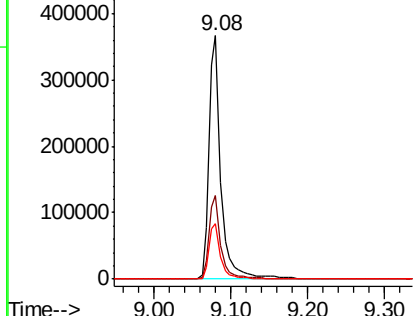
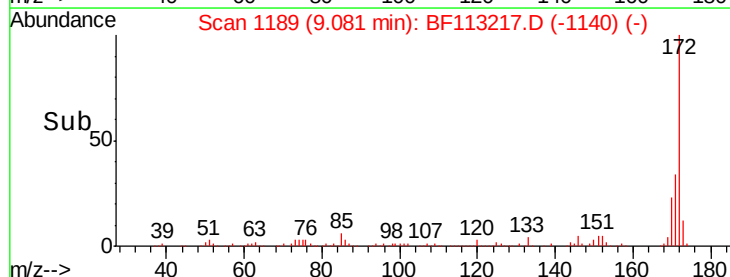


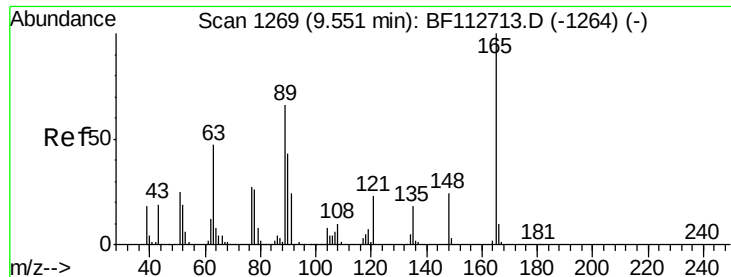
Abundance

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: 8.378 ng

RT: 9.76 min Scan# 1304

Delta R.T. 0.21 min

Lab File: BF113217.D

Acq: 21 Mar 2019 19:20

Instrument :

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ClientSampleId :

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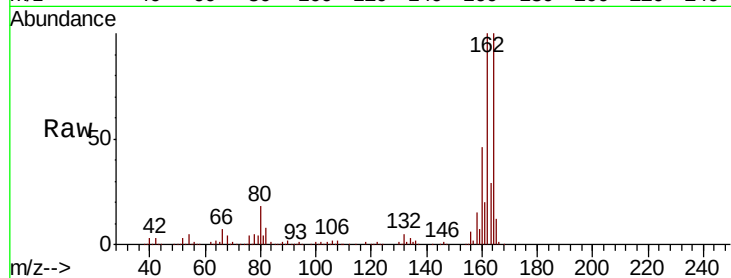
Tgt Ion:165 Resp: 36687

Ion Ratio Lower Upper

165 100

63 1.6 54.1 81.1#

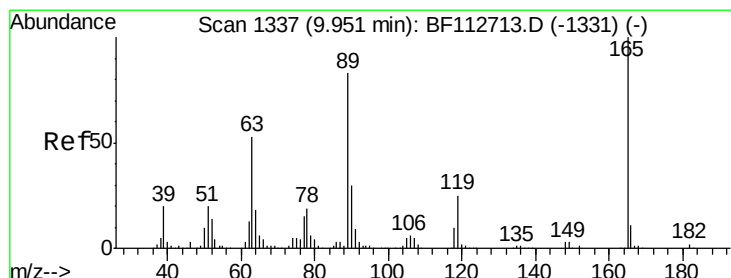
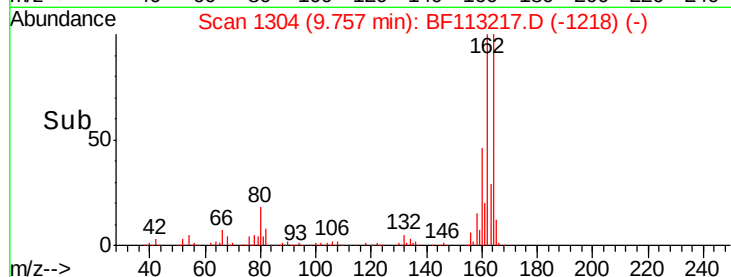
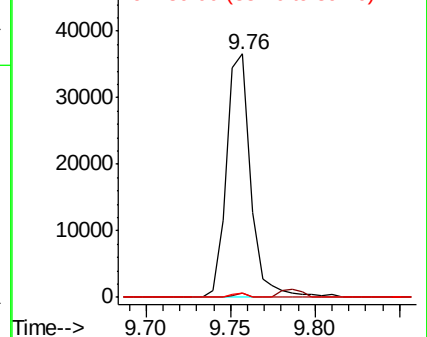
89 1.5 52.8 79.2#



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: 6.740 ng

RT: 9.76 min Scan# 1304

Delta R.T. -0.20 min

Lab File: BF113217.D

Acq: 21 Mar 2019 19:20

Tgt Ion:165 Resp: 36688

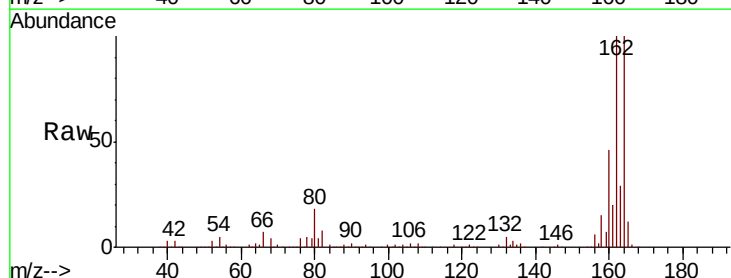
Ion Ratio Lower Upper

165 100

63 1.6 42.2 63.2#

89 1.5 66.2 99.4#

182 0.0 1.8 2.6#

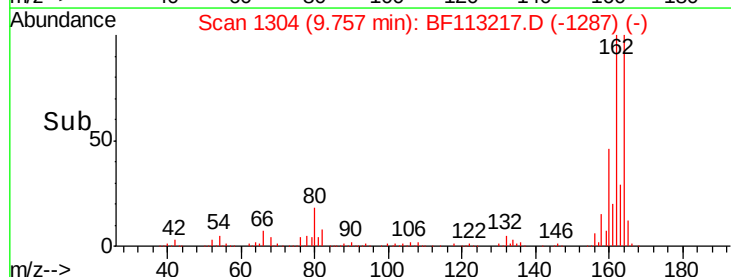
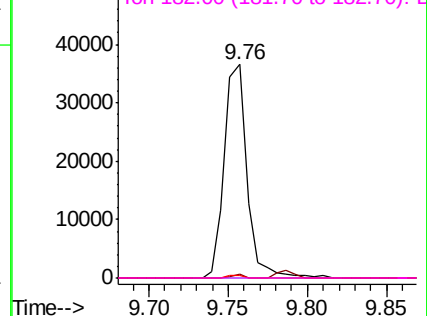


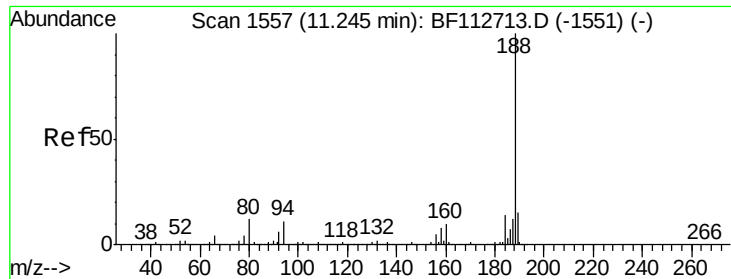
Abundance Ion 165.00 (164.70 to 165.70): E

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

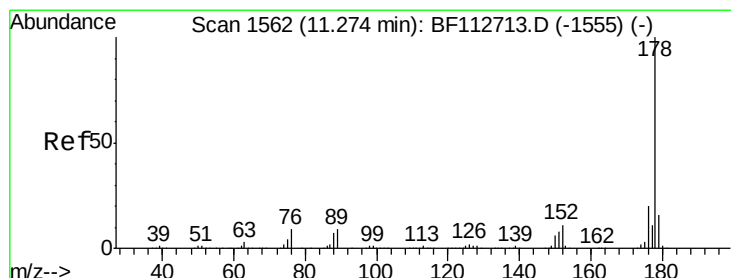
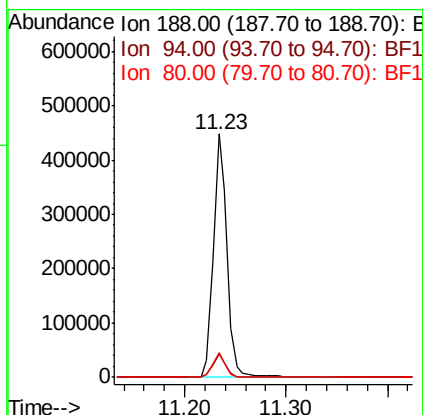
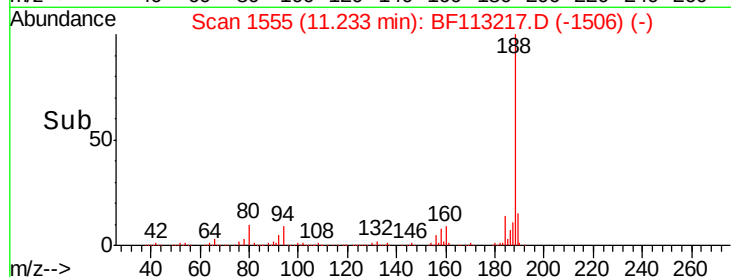
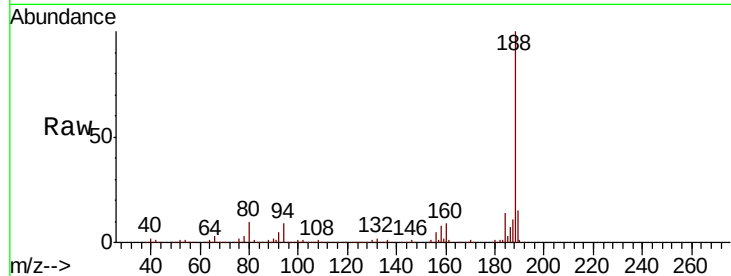




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.23 min Scan# 1555
Delta R.T. -0.01 min
Lab File: BF113217.D
Acq: 21 Mar 2019 19:20

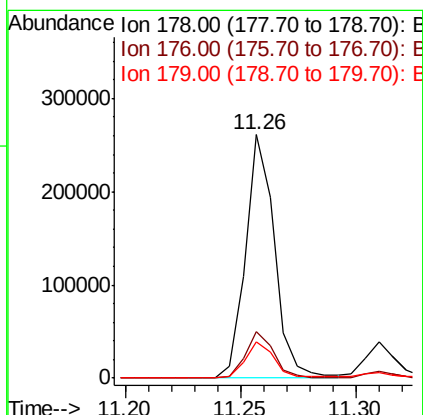
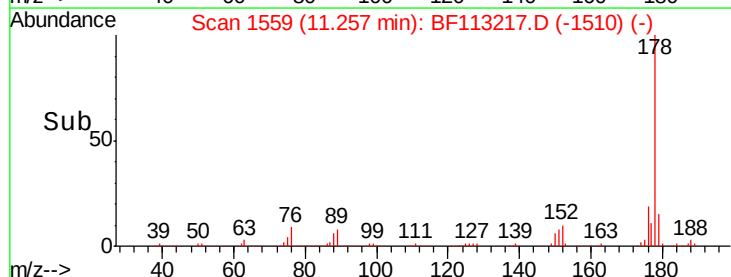
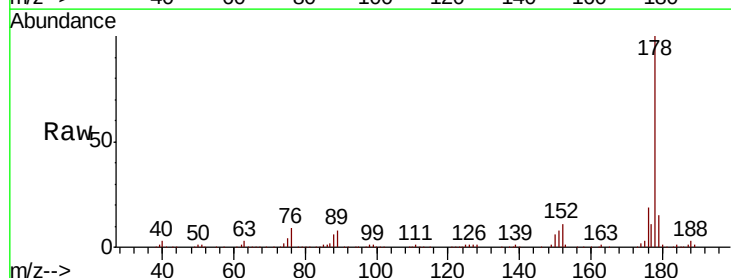
Instrument :
BNA_F
ClientSampleId :
SB-23(0.5-1.5)

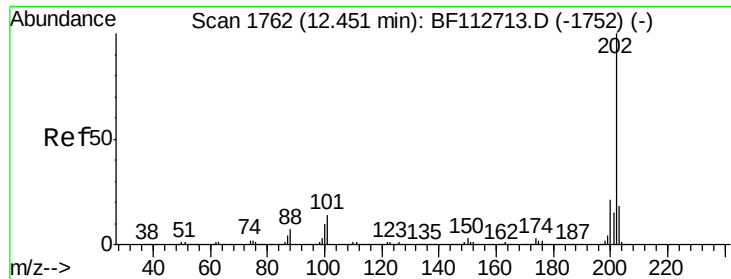
Tgt Ion:188 Resp: 415993
Ion Ratio Lower Upper
188 100
94 9.4 9.0 13.4
80 10.0 9.2 13.8



#71
Phenanthrene
Concen: 11.105 ng
RT: 11.26 min Scan# 1559
Delta R.T. -0.01 min
Lab File: BF113217.D
Acq: 21 Mar 2019 19:20

Tgt Ion:178 Resp: 229852
Ion Ratio Lower Upper
178 100
176 19.3 16.3 24.5
179 14.9 12.7 19.1





#75

Fluoranthene

Concen: 11.675 ng

RT: 12.45 min Scan# 1761

Delta R.T. -0.01 min

Lab File: BF113217.D

Acq: 21 Mar 2019 19:20

Instrument :

BNA_F

ClientSampleId :

SB-23(0.5-1.5)

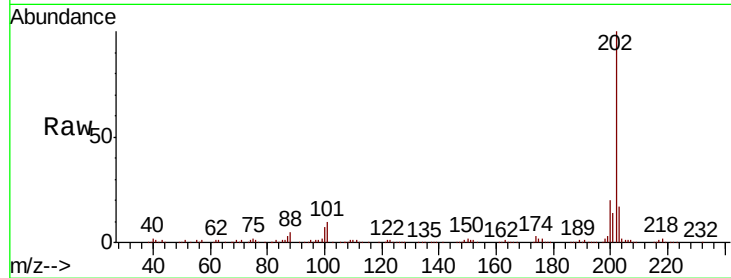
Tgt Ion:202 Resp: 258893

Ion Ratio Lower Upper

202 100

101 10.1 0.0 33.8

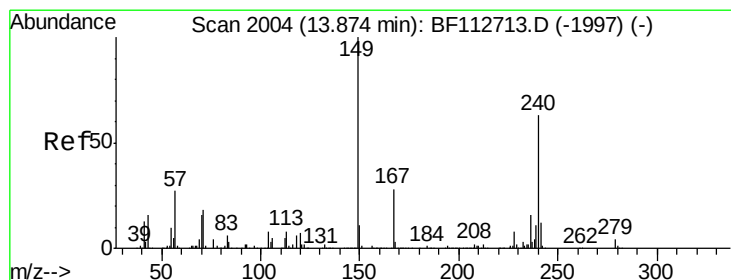
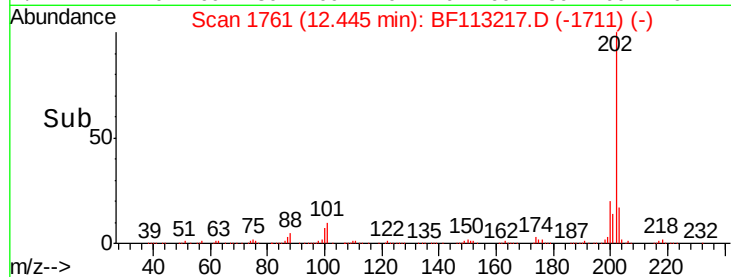
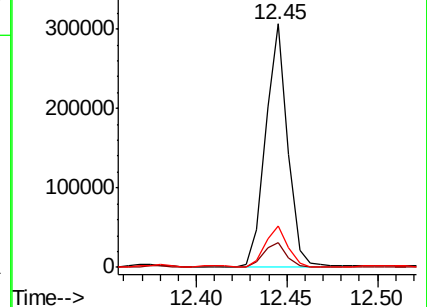
203 16.9 0.0 38.4



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: BF113217.D

Acq: 21 Mar 2019 19:20

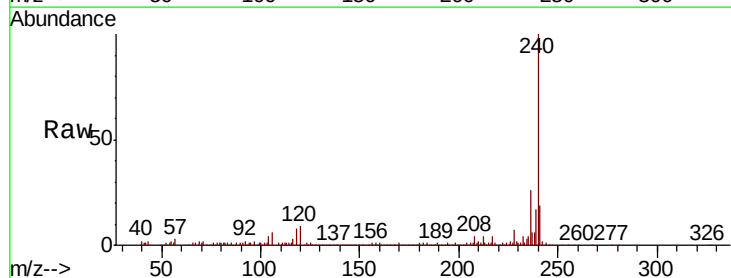
Tgt Ion:240 Resp: 345005

Ion Ratio Lower Upper

240 100

120 9.1 8.9 13.3

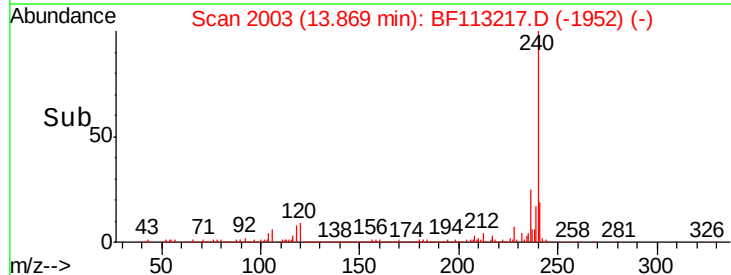
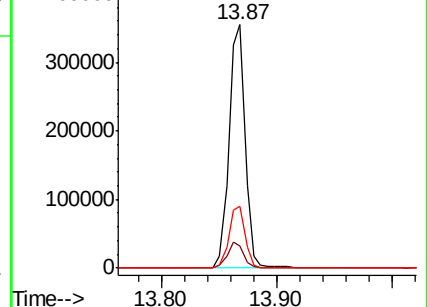
236 25.5 20.7 31.1

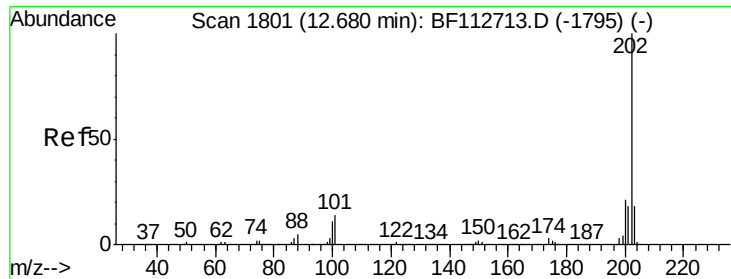


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pyrene

Concen: 10.419 ng

RT: 12.67 min Scan# 1799

Delta R.T. -0.01 min

Lab File: BF113217.D

Acq: 21 Mar 2019 19:20

Instrument :

BNA_F

ClientSampleId :

SB-23(0.5-1.5)

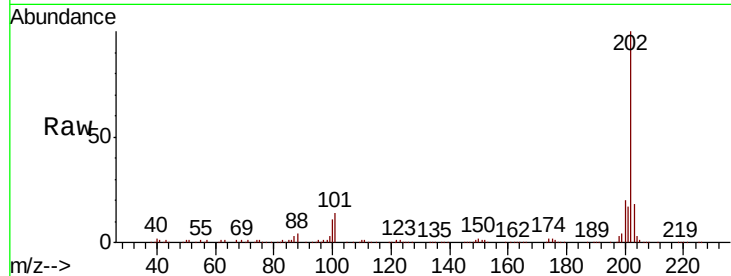
Tgt Ion: 202 Resp: 303020

Ion Ratio Lower Upper

202 100

200 20.3 17.0 25.4

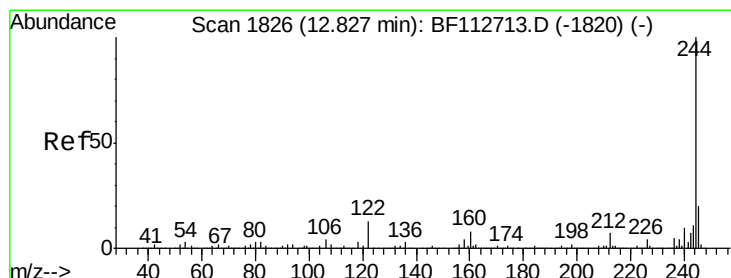
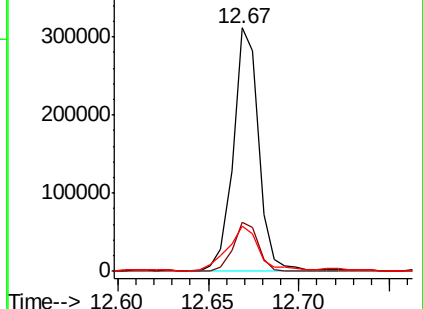
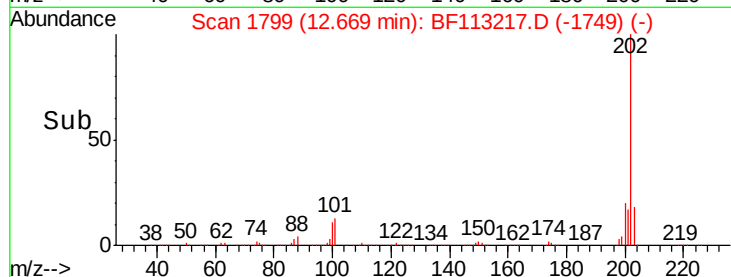
203 18.4 14.4 21.6



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: 15.095 ng

RT: 12.82 min Scan# 1824

Delta R.T. -0.01 min

Lab File: BF113217.D

Acq: 21 Mar 2019 19:20

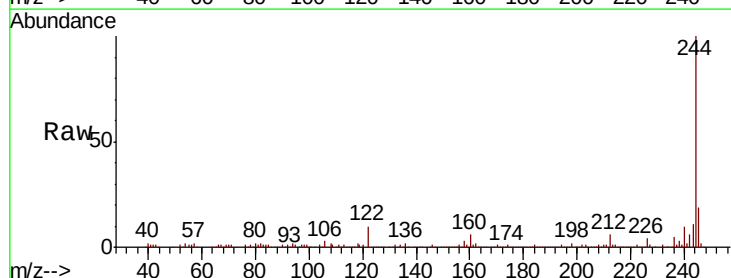
Tgt Ion: 244 Resp: 268654

Ion Ratio Lower Upper

244 100

212 6.1 5.6 8.4

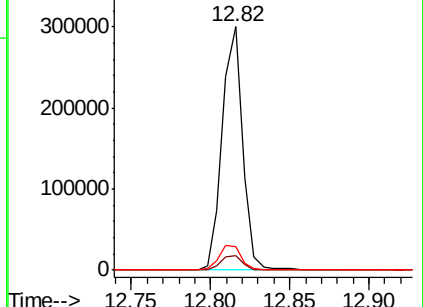
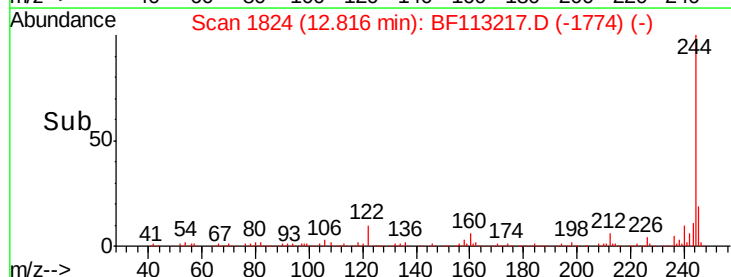
122 9.7 10.5 15.7#

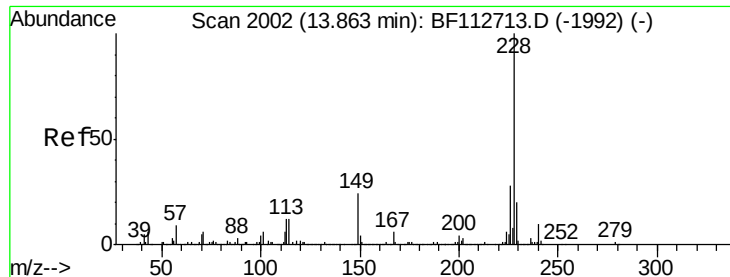


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

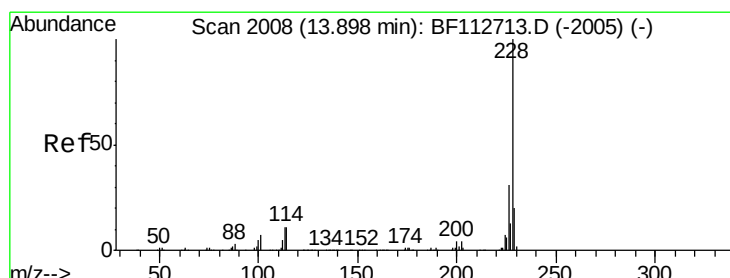
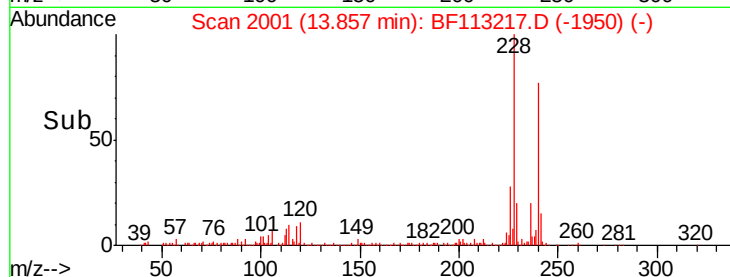
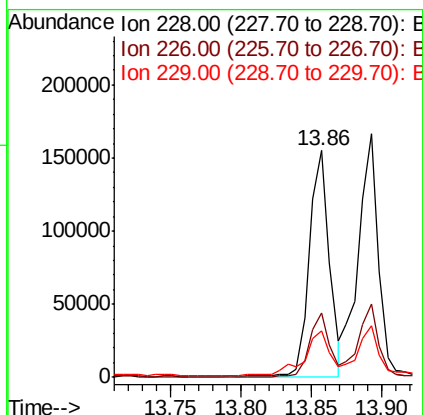
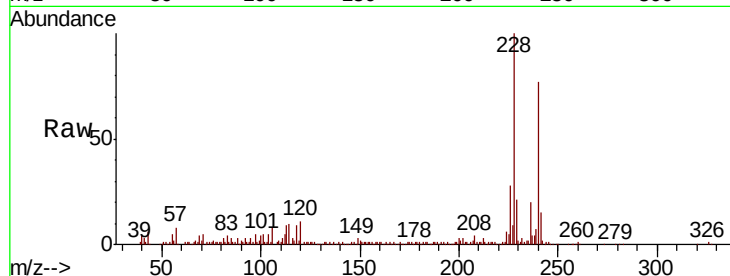




#81
Benzo(a)anthracene
Concen: 6.350 ng
RT: 13.86 min Scan# 2001
Delta R.T. 0.00 min
Lab File: BF113217.D
Acq: 21 Mar 2019 19:20

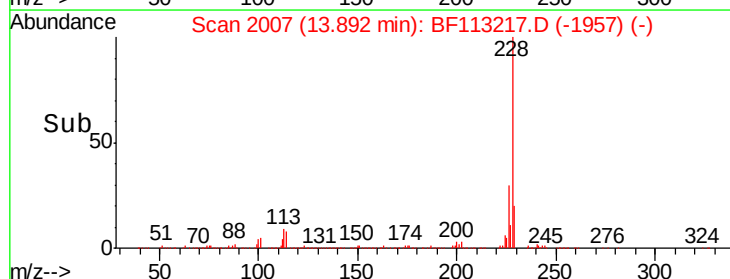
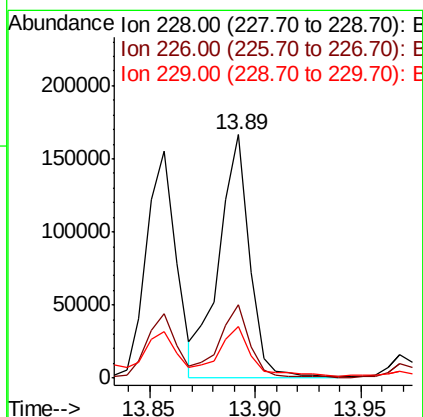
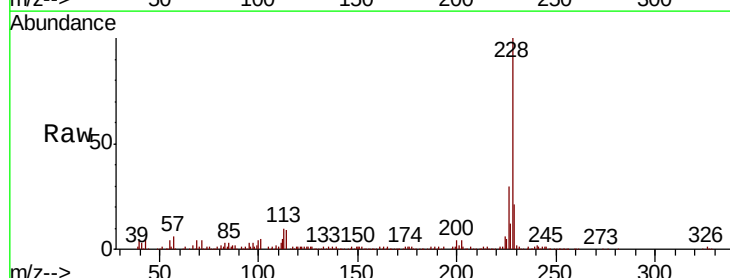
Instrument :
BNA_F
ClientSampleId :
SB-23(0.5-1.5)

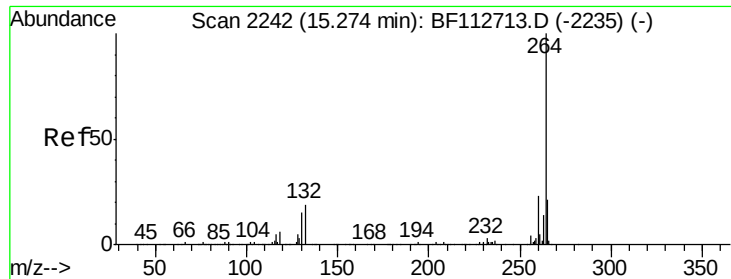
Tgt Ion:228 Resp: 151842
Ion Ratio Lower Upper
228 100
226 28.2 22.2 33.4
229 20.6 16.0 24.0



#83
Chrysene
Concen: 7.077 ng
RT: 13.89 min Scan# 2007
Delta R.T. -0.01 min
Lab File: BF113217.D
Acq: 21 Mar 2019 19:20

Tgt Ion:228 Resp: 165756
Ion Ratio Lower Upper
228 100
226 30.3 24.9 37.3
229 21.3 16.3 24.5

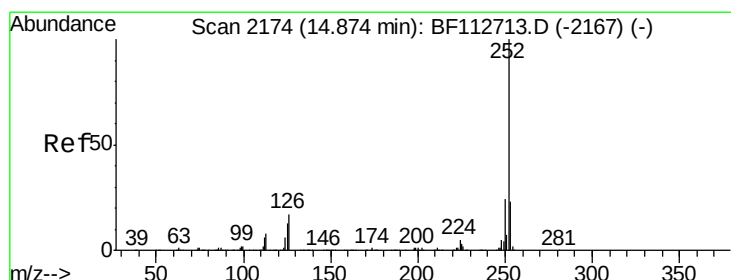
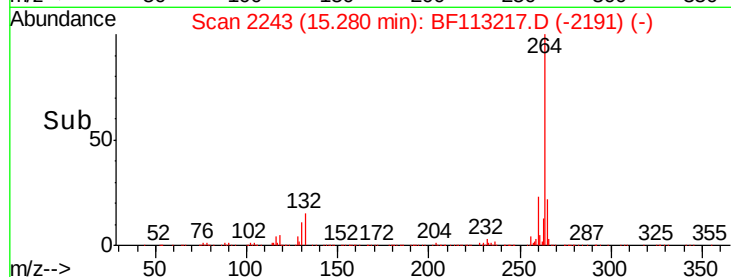
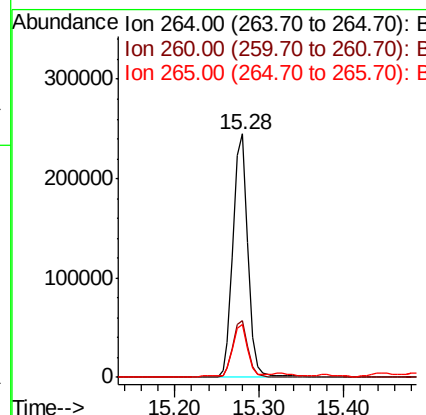
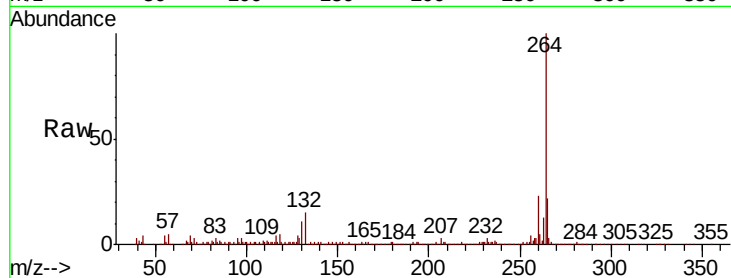




#87
Perylene-d12
Concen: 20.000 ng
RT: 15.28 min Scan# 2243
Delta R.T. 0.01 min
Lab File: BF113217.D
Acq: 21 Mar 2019 19:20

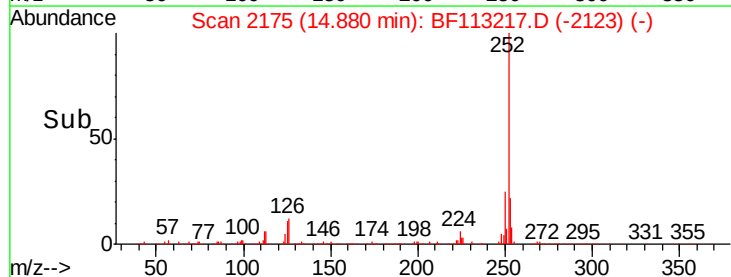
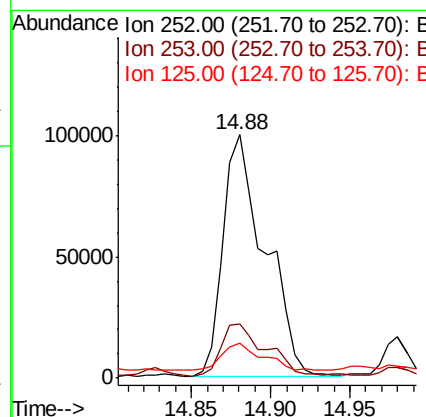
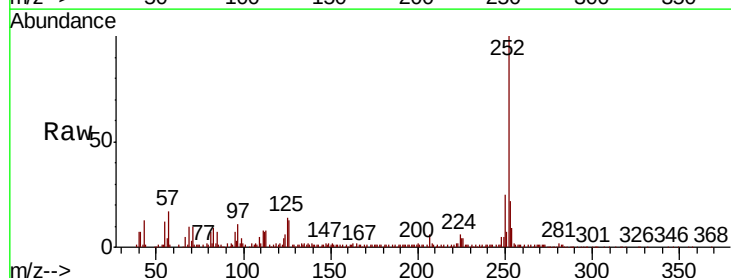
Instrument :
BNA_F
ClientSampleId :
SB-23(0.5-1.5)

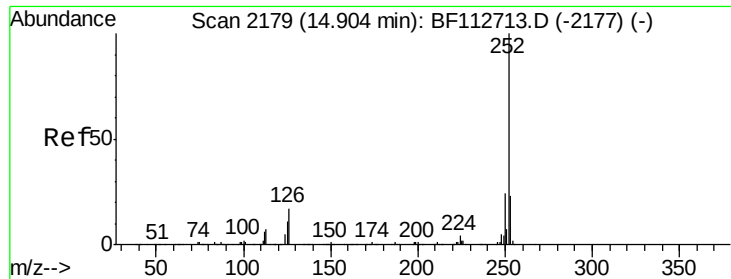
Tgt Ion:264 Resp: 297634
Ion Ratio Lower Upper
264 100
260 23.4 18.7 28.1
265 21.9 17.2 25.8



#88
Benzo(b)fluoranthene
Concen: 9.568 ng
RT: 14.88 min Scan# 2175
Delta R.T. 0.01 min
Lab File: BF113217.D
Acq: 21 Mar 2019 19:20

Tgt Ion:252 Resp: 184199
Ion Ratio Lower Upper
252 100
253 22.4 18.0 27.0
125 14.3 10.2 15.2

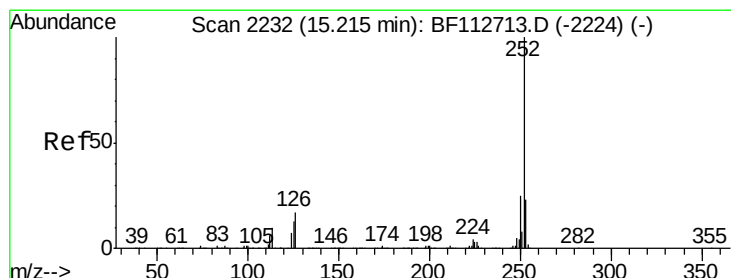
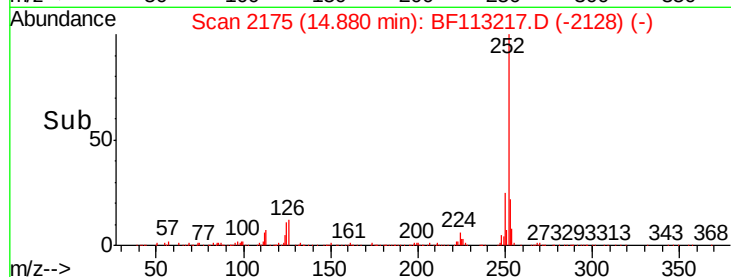
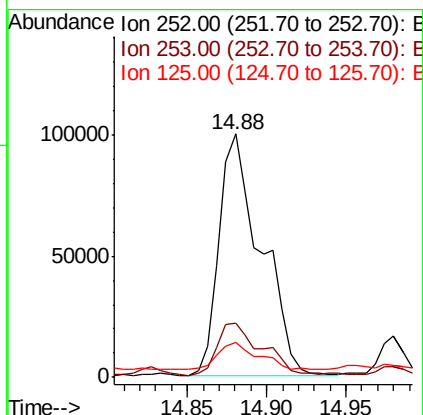
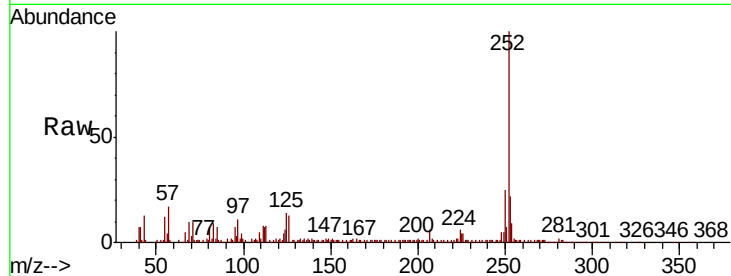




#89
Benzo(k)fluoranthene
Concen: 10.563 ng
RT: 14.88 min Scan# 2175
Delta R.T. -0.02 min
Lab File: BF113217.D
Acq: 21 Mar 2019 19:20

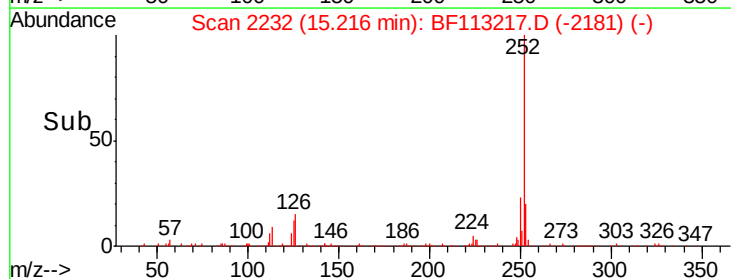
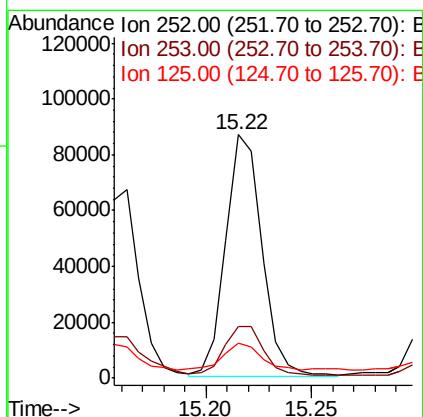
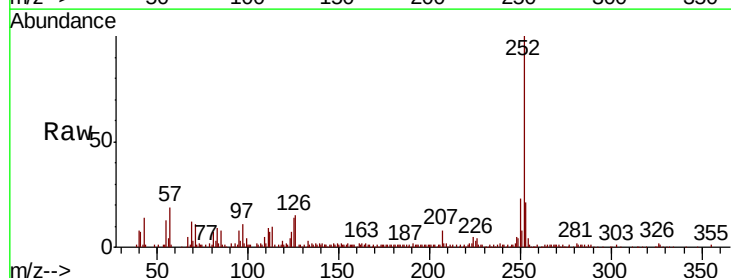
Instrument :
BNA_F
ClientSampleId :
SB-23(0.5-1.5)

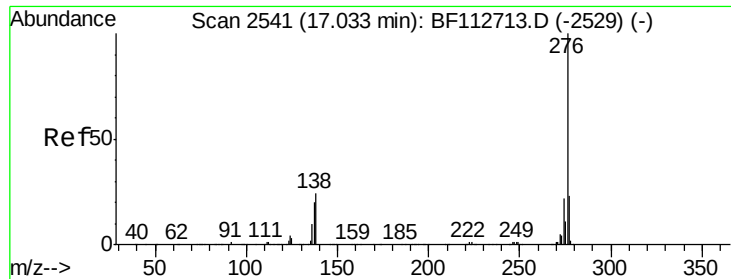
Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.4	18.2	27.2
125	14.3	9.8	14.6



#90
Benzo(a)pyrene
Concen: 6.044 ng
RT: 15.22 min Scan# 2232
Delta R.T. 0.00 min
Lab File: BF113217.D
Acq: 21 Mar 2019 19:20

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.4	18.0	27.0
125	14.4	10.7	16.1





#92

Benzo(g,h,i)perylene

Concen: 3.525 ng

RT: 17.05 min Scan# 2544

Delta R.T. 0.01 min

Lab File: BF113217.D

Acq: 21 Mar 2019 19:20

Instrument :

BNA_F

ClientSampleId :

SB-23(0.5-1.5)

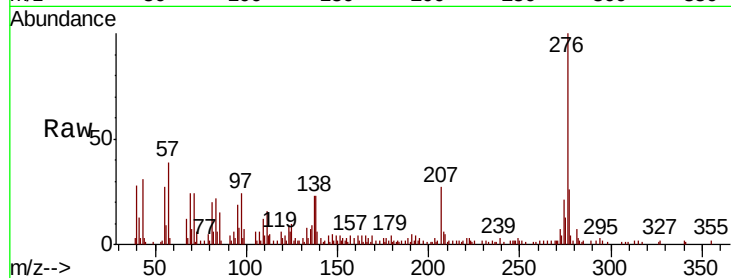
Tgt Ion: 276 Resp: 51433

Ion Ratio Lower Upper

276 100

277 26.4 18.6 27.8

138 22.7 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

