

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF030619\
 Data File : BF112903.D
 Acq On : 7 Mar 2019 1:37
 Operator : JU/SJ
 Sample : K1705-07
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EXT-028-SW009-022719

Quant Time: Mar 07 04:52:50 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 01 15:40:43 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	220231	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	803743	20.00	ng	-0.01
39) Acenaphthene-d10	9.76	164	339678	20.00	ng	-0.01
64) Phenanthrene-d10	11.24	188	608757	20.00	ng	0.00
76) Chrysene-d12	13.86	240	589479	20.00	ng	-0.01
87) Perylene-d12	15.26	264	601111	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.35	112	1550645	109.53	ng	0.00
7) Phenol-d6	6.37	99	1950706	109.69	ng	0.00
23) Nitrobenzene-d5	7.29	82	1183164	88.09	ng	-0.01
42) 2,4,6-Tribromophenol	10.54	330	447057	123.97	ng	-0.01
45) 2-Fluorobiphenyl	9.09	172	1609277	76.43	ng	-0.01
79) Terphenyl-d14	12.82	244	1399512	46.02	ng	-0.01

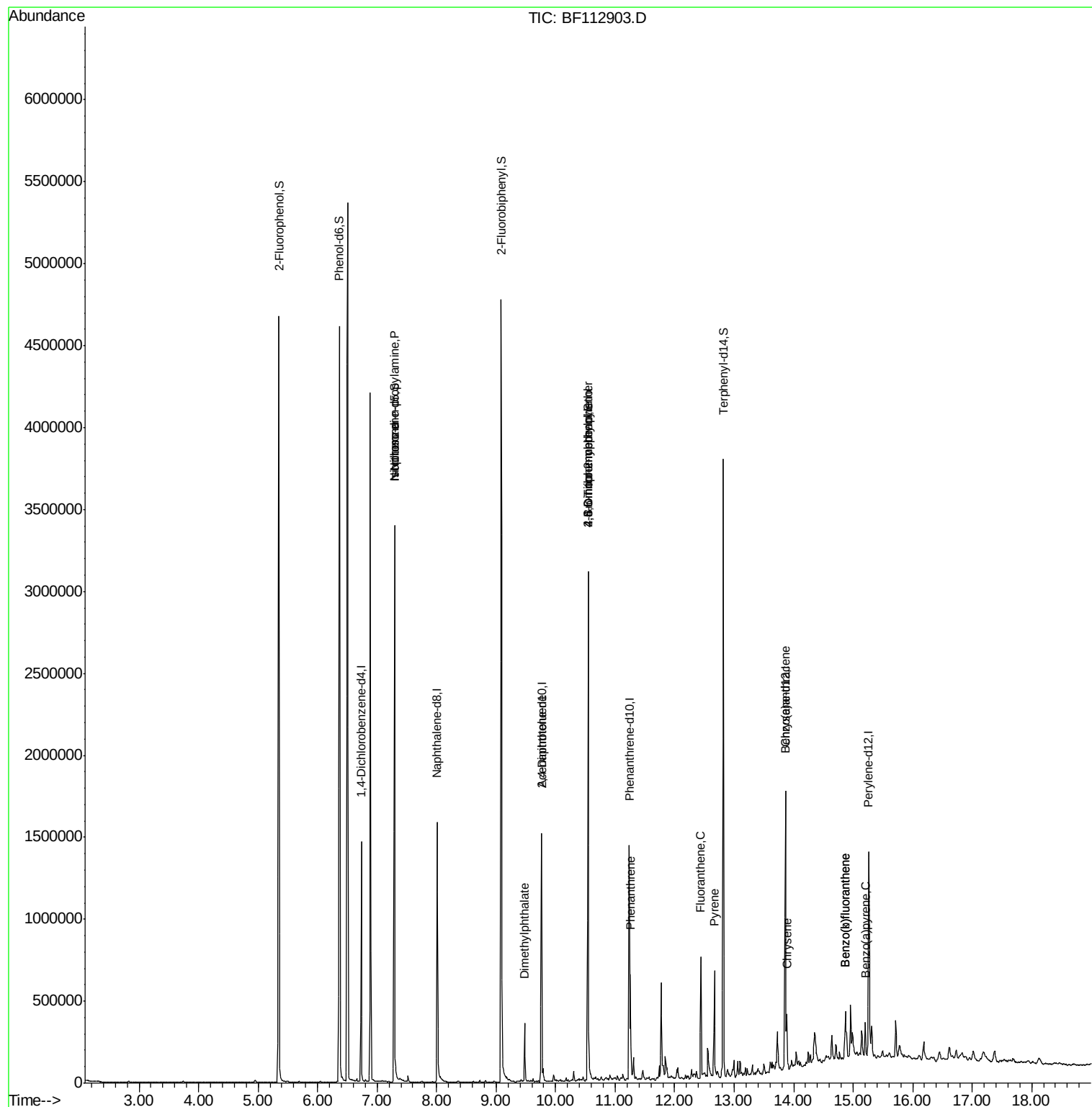
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.29	70	155337	13.791	ng	# 75
25) Isophorone	7.29	82	1173227	40.544	ng	# 66
50) Dimethylphthalate	9.48	163	156571	6.251	ng	99
57) 2,4-Dinitrotoluene	9.76	165	44719	6.898	ng	# 17
65) 4,6-Dinitro-2-methylphenol	10.54	198	670	4.855	ng	# 1
67) 4-Bromophenyl-phenylether	10.54	248	24990	3.897	ng	# 1
71) Phenanthrene	11.26	178	247635	8.176	ng	97
75) Fluoranthene	12.44	202	326150	10.051	ng	98
78) Pyrene	12.67	202	268956	5.412	ng	98
81) Benzo(a)anthracene	13.85	228	131454	3.218	ng	99
83) Chrysene	13.89	228	135739	3.392	ng	98
88) Benzo(b)fluoranthene	14.87	252	206098	5.301	ng	100
89) Benzo(k)fluoranthene	14.87	252	206098	5.852	ng	99
90) Benzo(a)pyrene	15.20	252	104092	3.027	ng	98

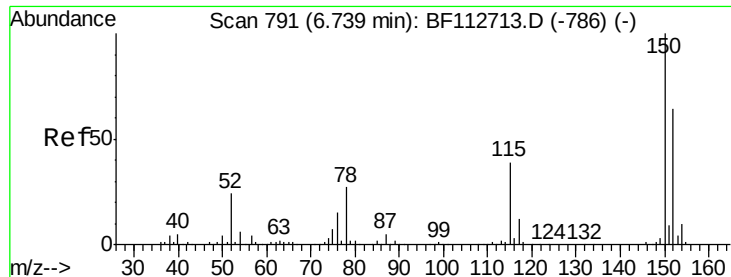
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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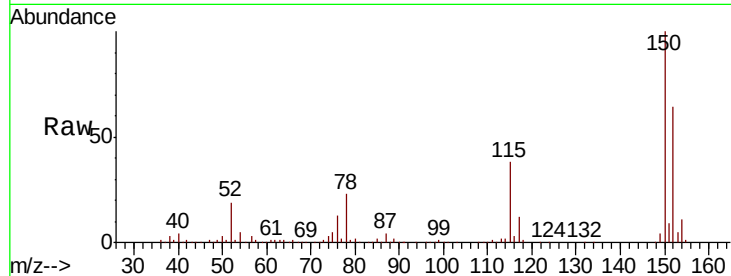


#1

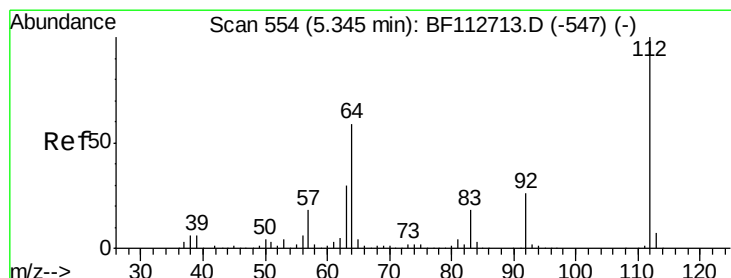
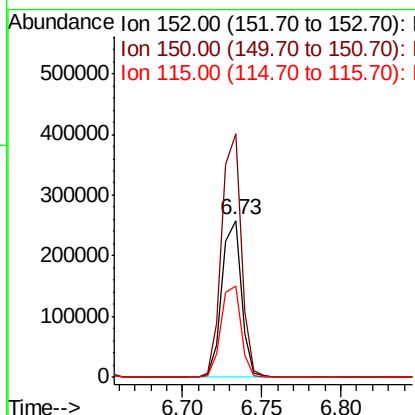
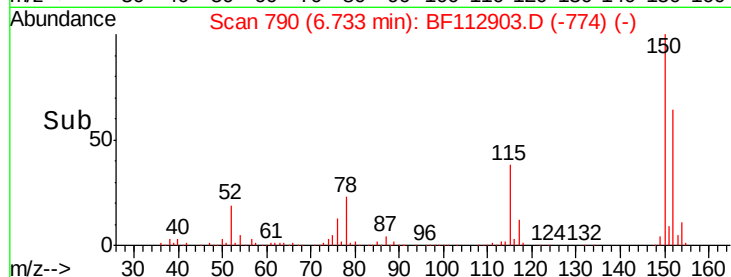
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 790
Delta R.T. -0.01 min
Lab File: BF112903.D
Acq: 7 Mar 2019 1:37

Instrument :
BNA_F
ClientSampleId :
EXT-028-SW009-022719

Tgt Ion:152 Resp: 220231
Ion Ratio Lower Upper
152 100
150 155.5 124.2 186.2
115 58.3 48.2 72.4



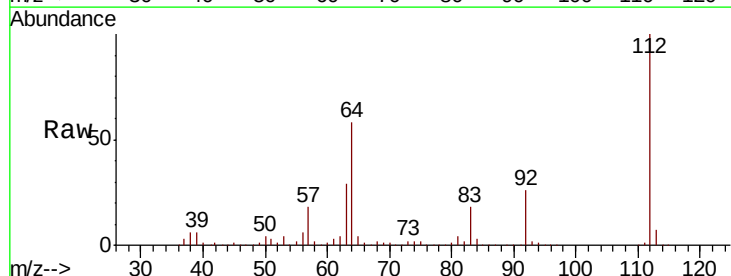
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



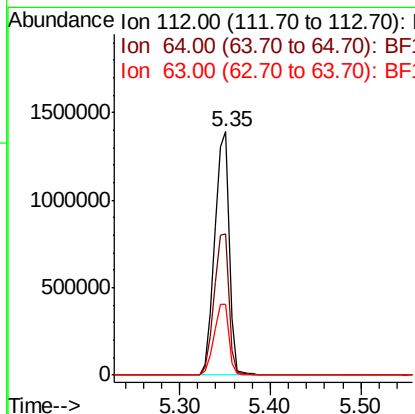
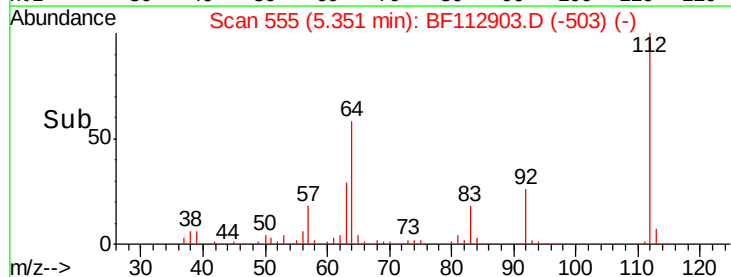
#5

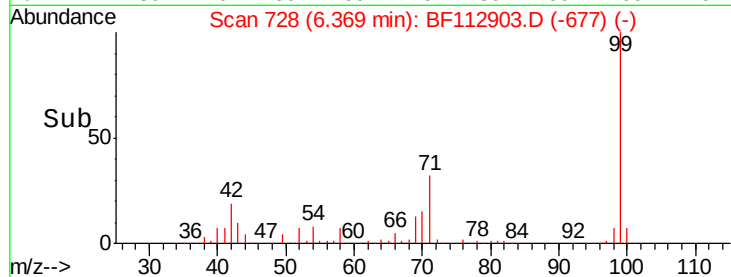
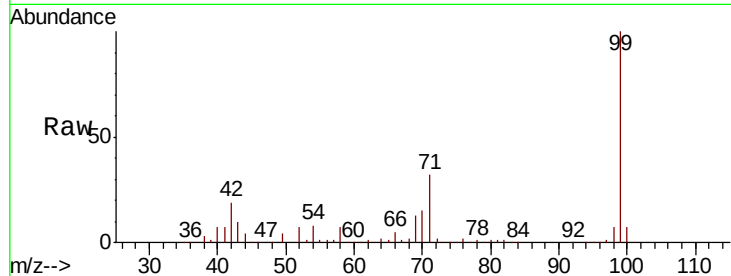
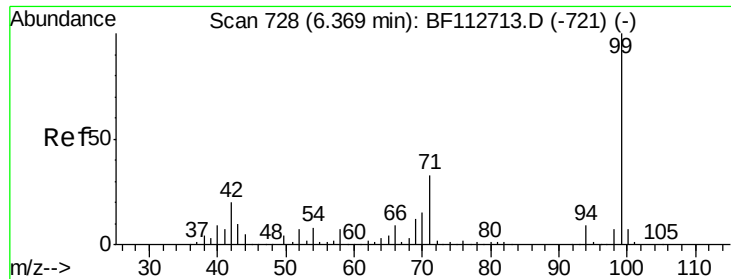
2-Fluorophenol
Concen: 109.526 ng
RT: 5.35 min Scan# 555
Delta R.T. 0.01 min
Lab File: BF112903.D
Acq: 7 Mar 2019 1:37

Tgt Ion:112 Resp: 1550645
Ion Ratio Lower Upper
112 100
64 58.0 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: 109.685 ng

RT: 6.37 min Scan# 728

Delta R.T. -0.00 min

Lab File: BF112903.D

Acq: 7 Mar 2019 1:37

Instrument :

BNA_F

ClientSampleId :

EXT-028-SW009-022719

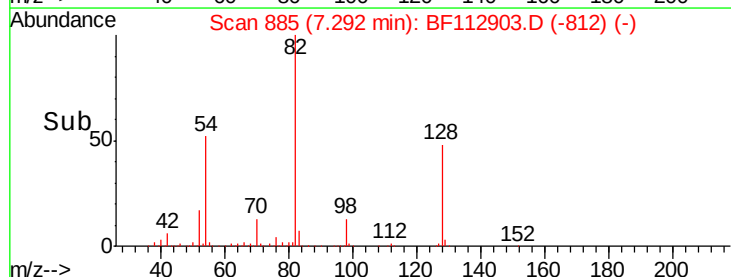
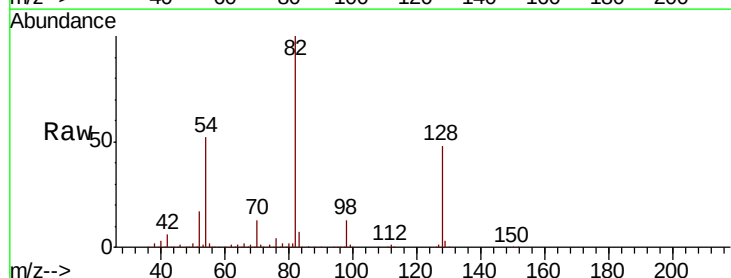
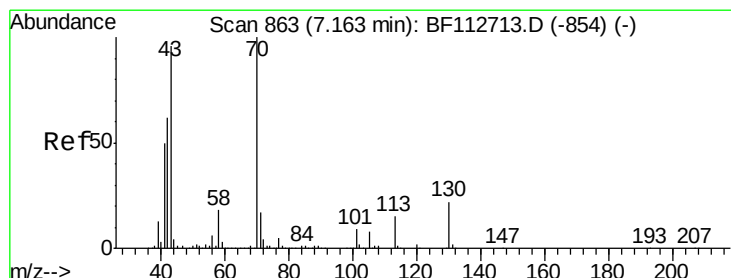
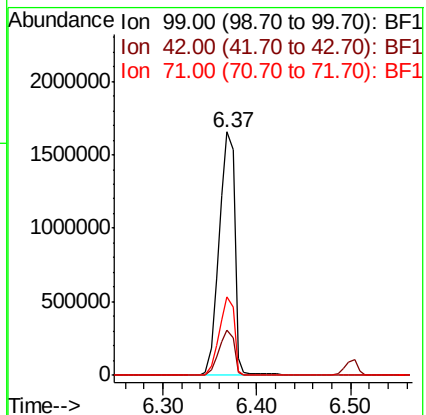
Tgt Ion: 99 Resp: 1950706

Ion Ratio Lower Upper

99 100

42 18.8 16.3 24.5

71 32.3 26.2 39.4



#19

n-Nitroso-di-n-propylamine

Concen: 13.791 ng

RT: 7.29 min Scan# 885

Delta R.T. 0.13 min

Lab File: BF112903.D

Acq: 7 Mar 2019 1:37

Tgt Ion: 70 Resp: 155337

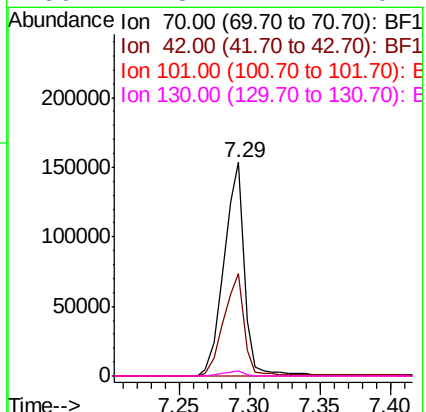
Ion Ratio Lower Upper

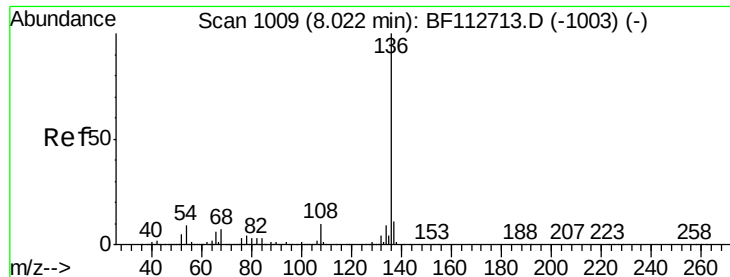
70 100

42 47.9 49.9 74.9#

101 0.0 7.4 11.2#

130 2.3 17.4 26.2#

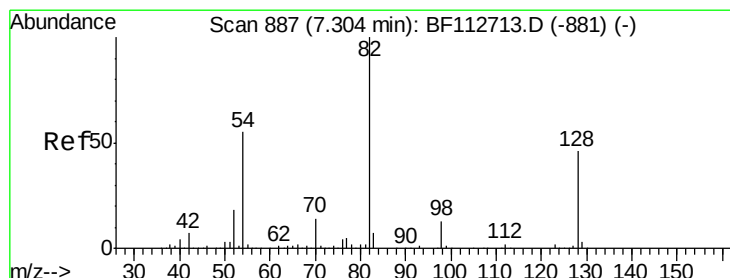
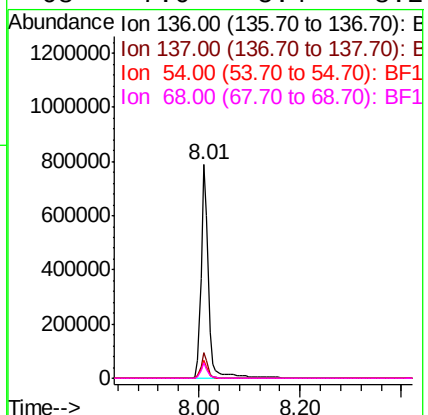
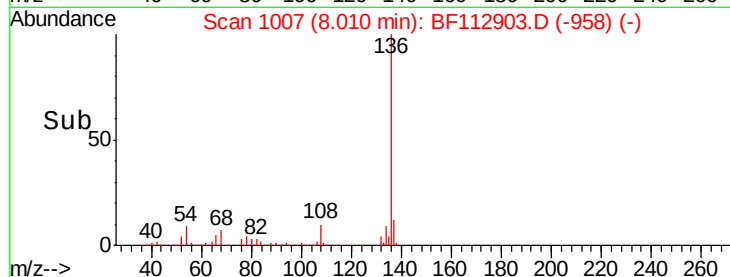
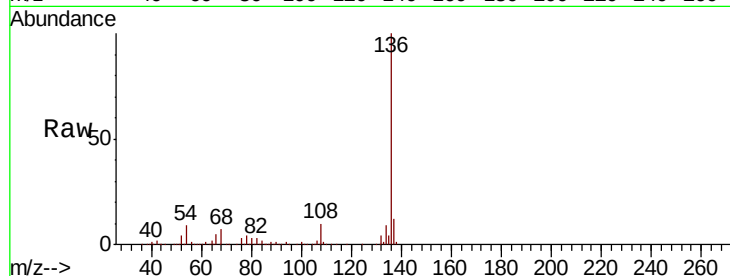




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.01 min Scan# 1007
Delta R.T. -0.01 min
Lab File: BF112903.D
Acq: 7 Mar 2019 1:37

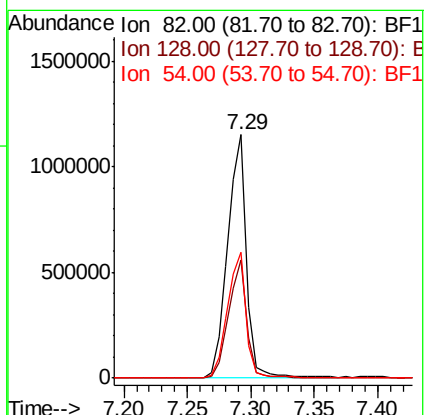
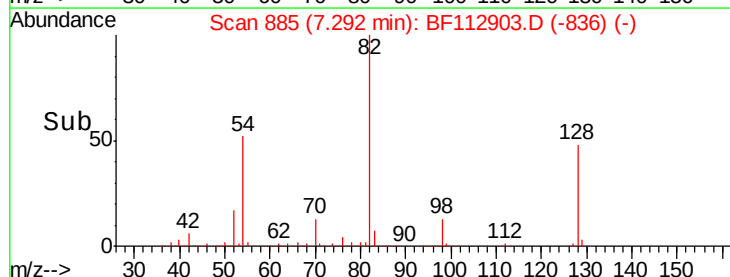
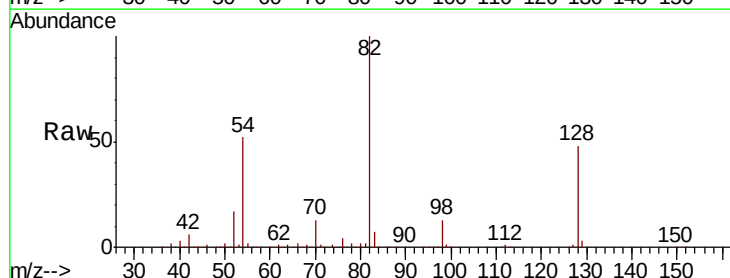
Instrument :
BNA_F
ClientSampleId :
EXT-028-SW009-022719

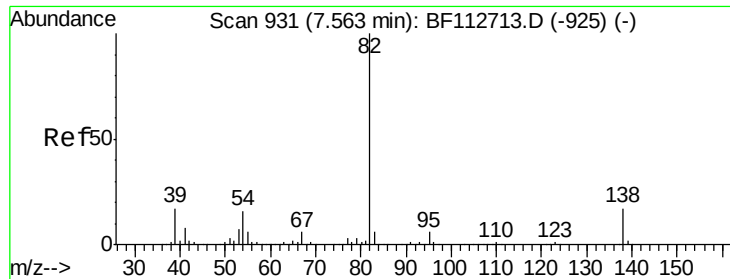
Tgt Ion:	136	Resp:	803743
Ion	Ratio	Lower	Upper
136	100		
137	11.7	8.9	13.3
54	8.5	7.3	10.9
68	7.0	5.4	8.2



#23
Nitrobenzene-d5
Concen: 88.085 ng
RT: 7.29 min Scan# 885
Delta R.T. -0.01 min
Lab File: BF112903.D
Acq: 7 Mar 2019 1:37

Tgt Ion:	82	Resp:	1183164
Ion	Ratio	Lower	Upper
82	100		
128	48.5	36.3	54.5
54	51.8	43.7	65.5





#25

Isophorone

Concen: 40.544 ng

RT: 7.29 min Scan# 885

Delta R.T. -0.27 min

Lab File: BF112903.D

Acq: 7 Mar 2019 1:37

Instrument :

BNA_F

ClientSampleId :

EXT-028-SW009-022719

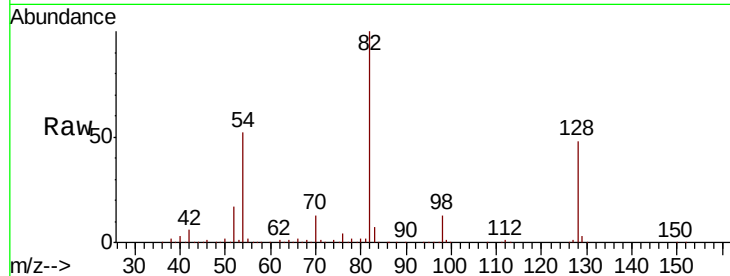
Tgt Ion: 82 Resp: 1173227

Ion Ratio Lower Upper

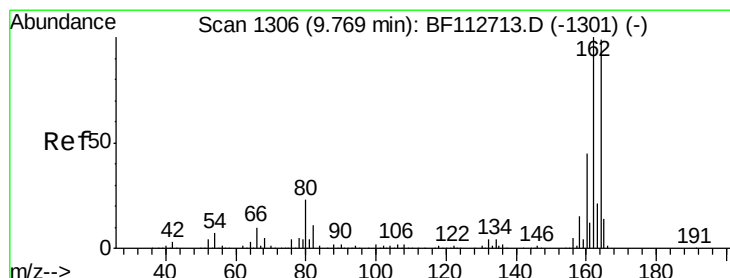
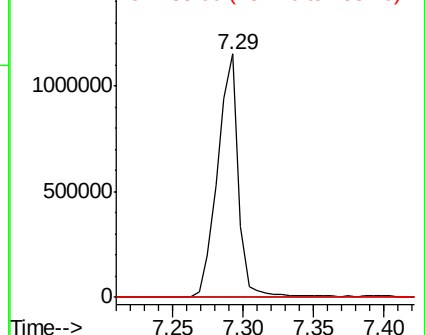
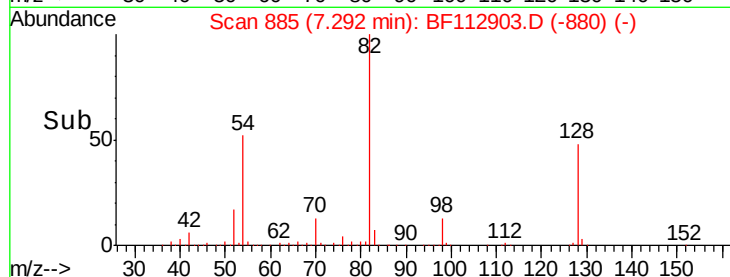
82 100

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: BF112903.D

Acq: 7 Mar 2019 1:37

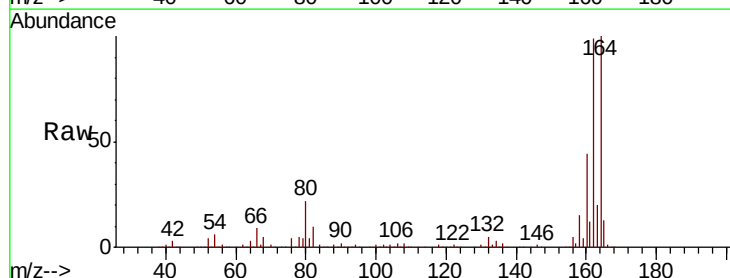
Tgt Ion:164 Resp: 339678

Ion Ratio Lower Upper

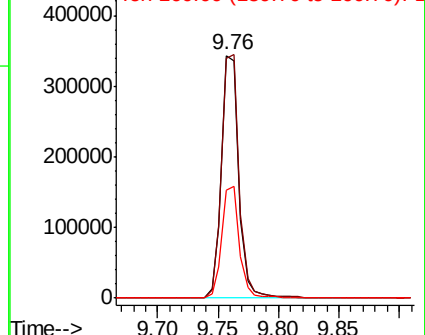
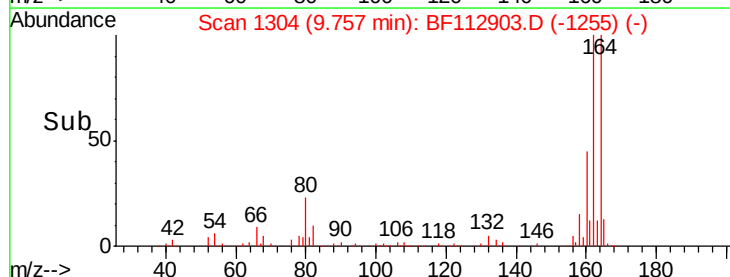
164 100

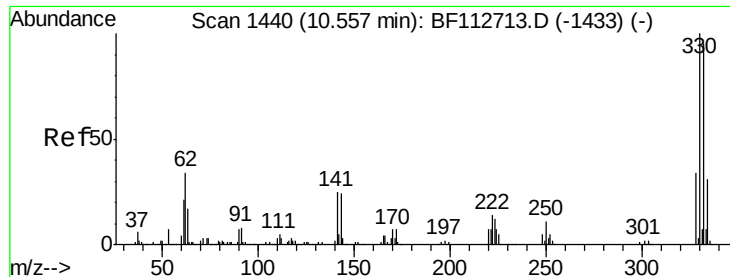
162 98.6 80.6 120.8

160 44.3 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

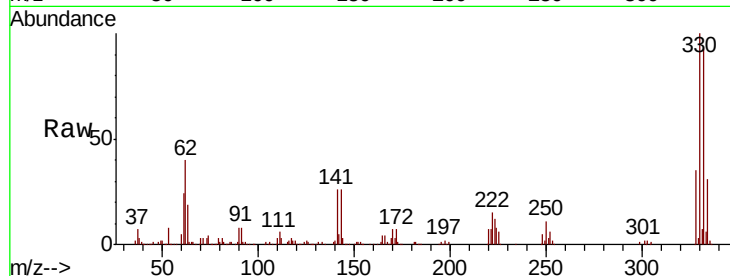




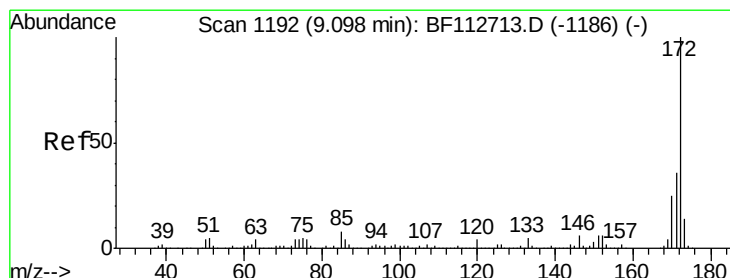
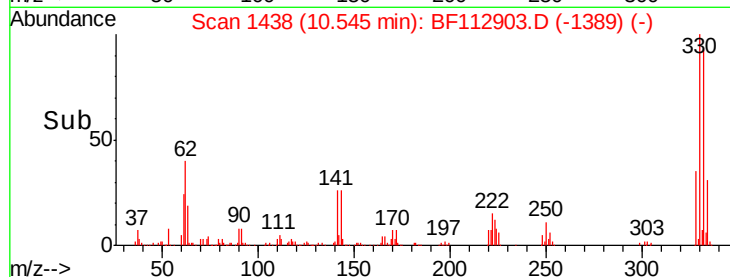
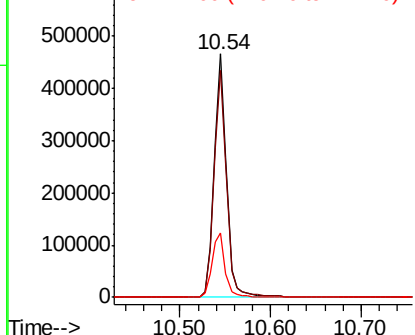
#42
 2,4,6-Tribromophenol
 Concen: 123.972 ng
 RT: 10.54 min Scan# 1438
 Delta R.T. -0.01 min
 Lab File: BF112903.D
 Acq: 7 Mar 2019 1:37

Instrument :
 BNA_F
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 EXT-028-SW009-022719

Tgt Ion:330 Resp: 447057
 Ion Ratio Lower Upper
 330 100
 332 95.1 76.2 114.4
 141 28.1 27.0 40.6

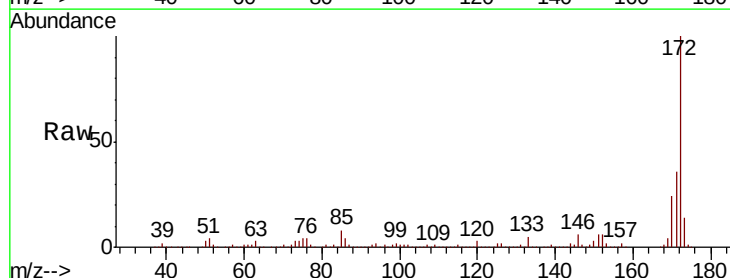


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

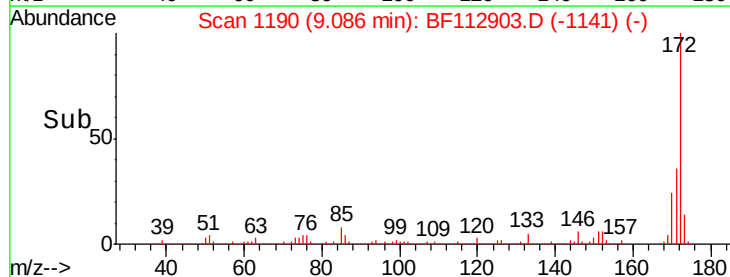
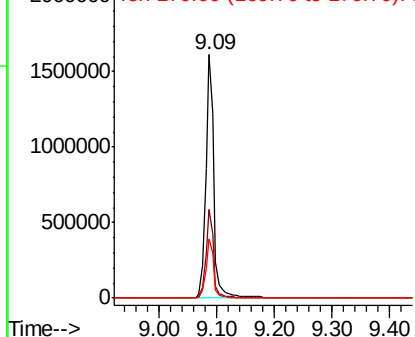


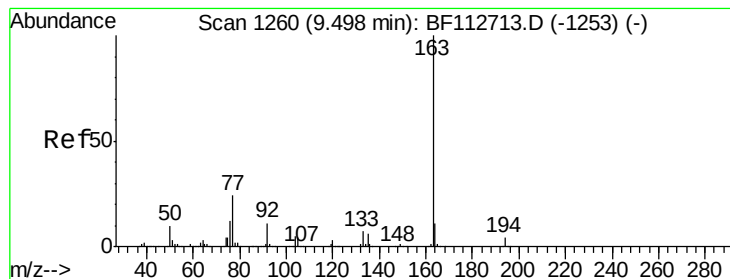
#45
 2-Fluorobiphenyl
 Concen: 76.433 ng
 RT: 9.09 min Scan# 1190
 Delta R.T. -0.01 min
 Lab File: BF112903.D
 Acq: 7 Mar 2019 1:37

Tgt Ion:172 Resp: 1609277
 Ion Ratio Lower Upper
 172 100
 171 36.3 29.0 43.4
 170 24.5 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: 6.251 ng

RT: 9.48 min Scan# 1257

Delta R.T. -0.02 min

Lab File: BF112903.D

Acq: 7 Mar 2019 1:37

Instrument :

BNA_F

ClientSampleId :

EXT-028-SW009-022719

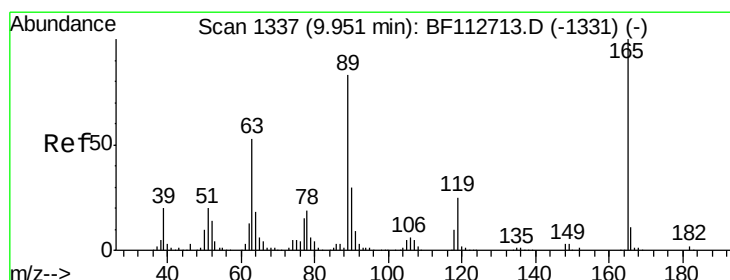
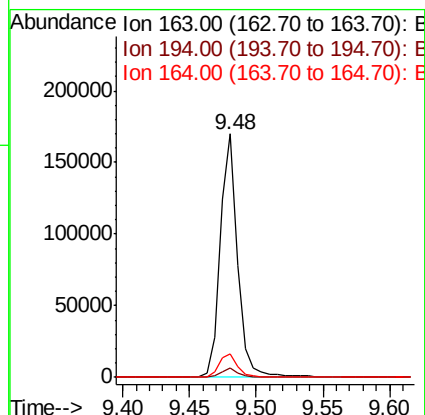
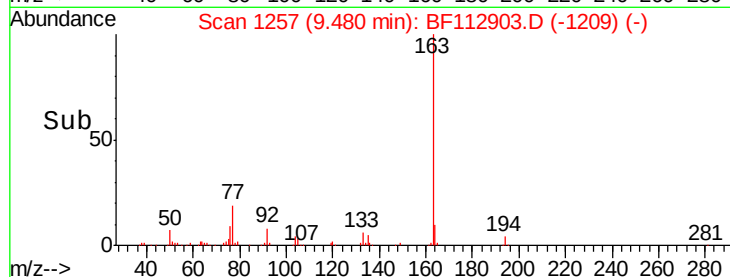
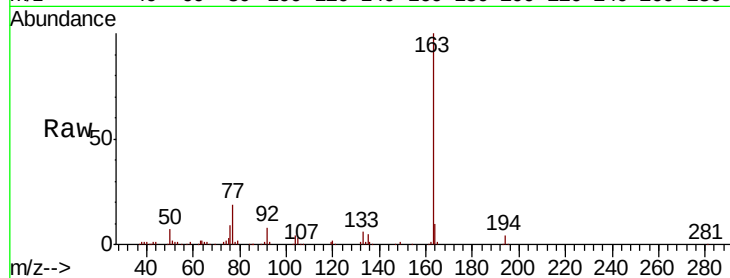
Tgt Ion:163 Resp: 156571

Ion Ratio Lower Upper

163 100

194 3.6 3.0 4.4

164 9.8 8.4 12.6



#57

2,4-Dinitrotoluene

Concen: 6.898 ng

RT: 9.76 min Scan# 1304

Delta R.T. -0.19 min

Lab File: BF112903.D

Acq: 7 Mar 2019 1:37

Tgt Ion:165 Resp: 44719

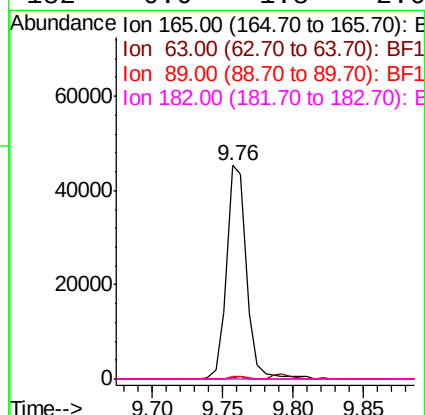
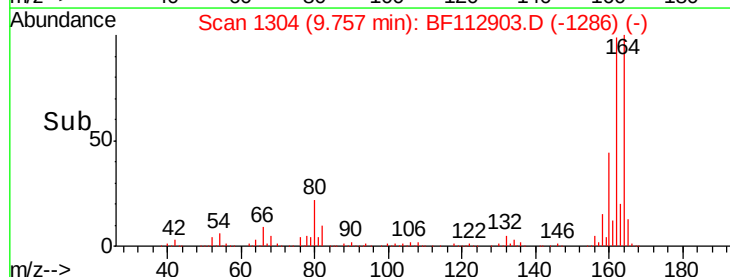
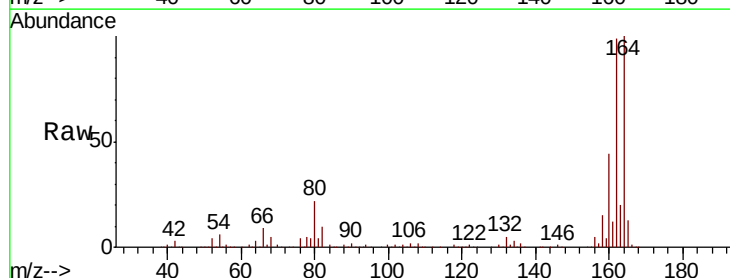
Ion Ratio Lower Upper

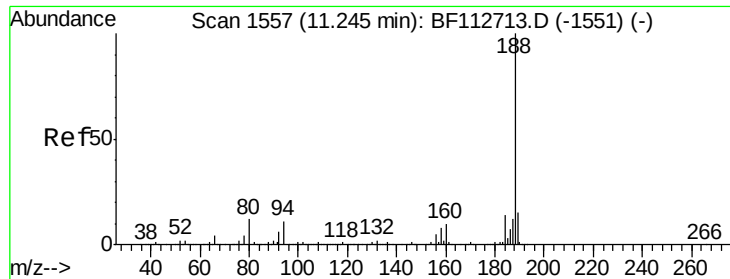
165 100

63 0.9 42.2 63.2#

89 1.1 66.2 99.4#

182 0.0 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: BF112903.D

Acq: 7 Mar 2019 1:37

Instrument :

BNA_F

ClientSampleId :

EXT-028-SW009-022719

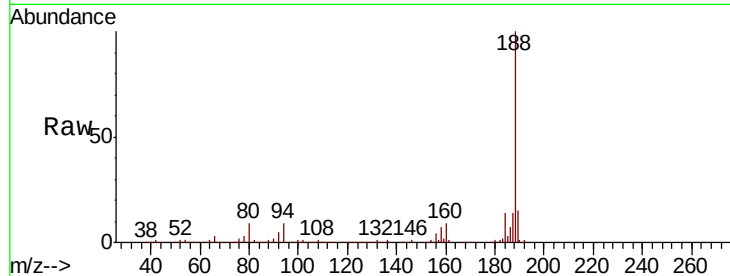
Tgt Ion:188 Resp: 608757

Ion Ratio Lower Upper

188 100

94 9.0 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

800000

600000

400000

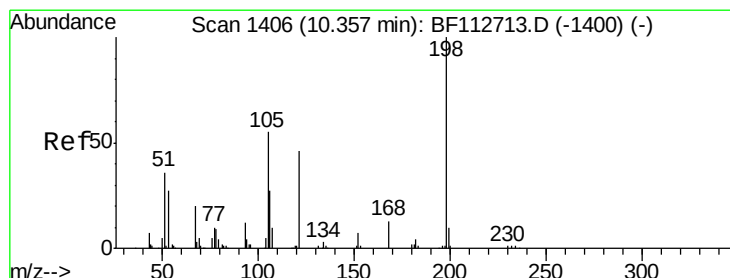
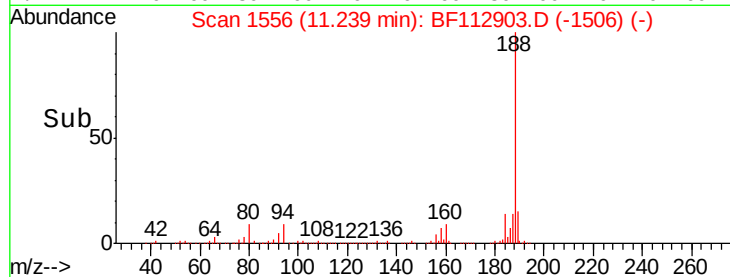
200000

0

11.24

11.30

Time-->



#65

4,6-Dinitro-2-methylphenol

Concen: 4.855 ng

RT: 10.54 min Scan# 1438

Delta R.T. 0.19 min

Lab File: BF112903.D

Acq: 7 Mar 2019 1:37

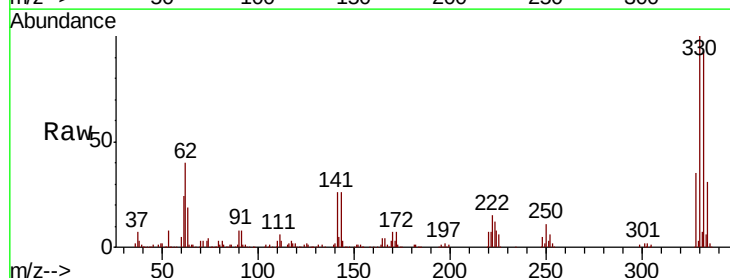
Tgt Ion:198 Resp: 670

Ion Ratio Lower Upper

198 100

51 217.9 43.8 83.8#

105 167.3 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

2500

2000

1500

1000

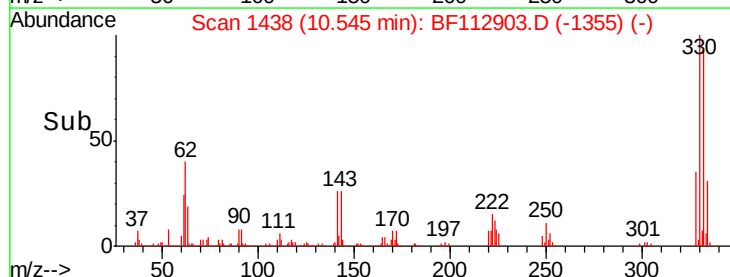
500

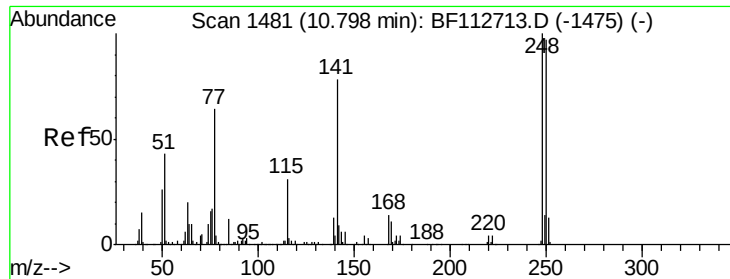
0

10.54

10.56

Time-->

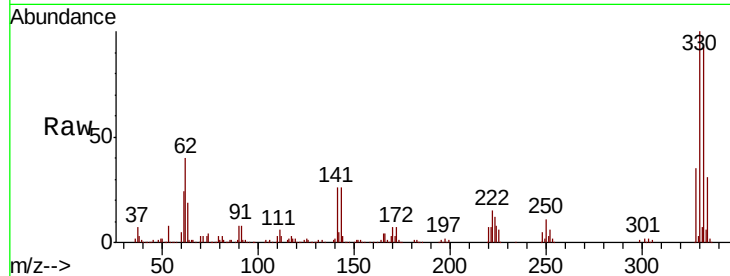




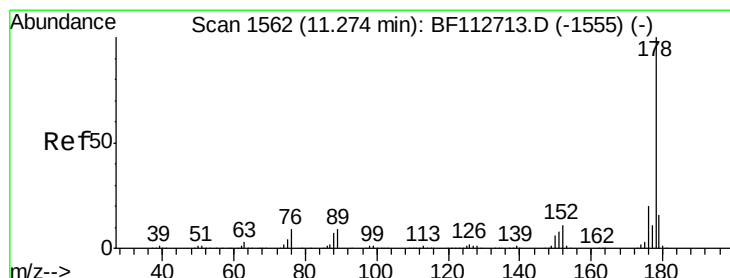
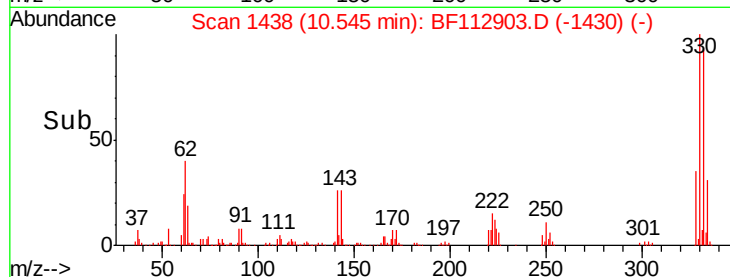
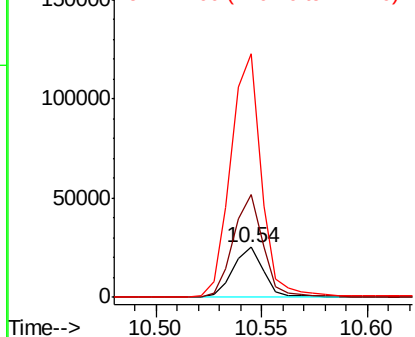
#67
 4-Bromophenyl-phenylether
 Concen: 3.897 ng
 RT: 10.54 min Scan# 1438
 Delta R.T. -0.25 min
 Lab File: BF112903.D
 Acq: 7 Mar 2019 1:37

Instrument :
 BNA_F
 ClientSampleId :
 EXT-028-SW009-022719

Tgt Ion:248 Resp: 24990
 Ion Ratio Lower Upper
 248 100
 250 206.4 77.5 116.3#
 141 489.4 62.4 93.6#

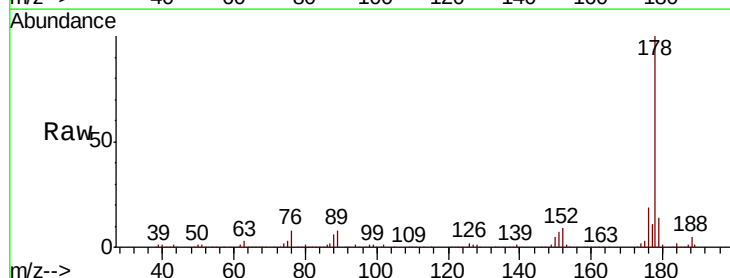


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

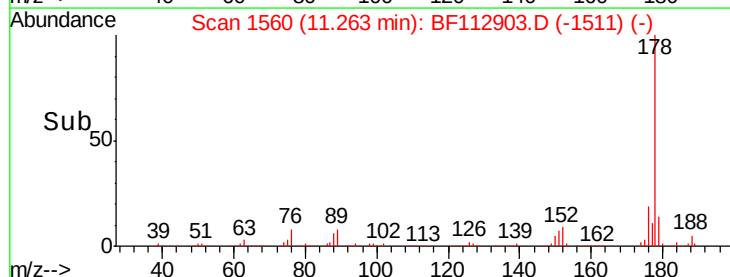
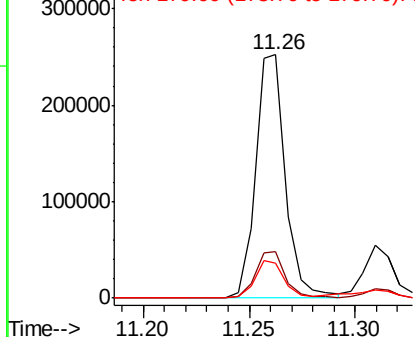


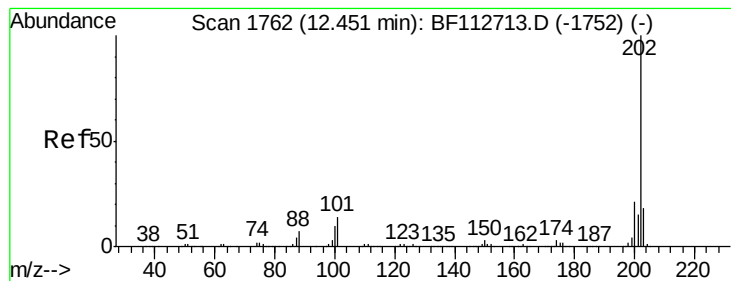
#71
 Phenanthrene
 Concen: 8.176 ng
 RT: 11.26 min Scan# 1560
 Delta R.T. -0.01 min
 Lab File: BF112903.D
 Acq: 7 Mar 2019 1:37

Tgt Ion:178 Resp: 247635
 Ion Ratio Lower Upper
 178 100
 176 19.2 16.3 24.5
 179 14.3 12.7 19.1



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





#75

Fluoranthene

Concen: 10.051 ng

RT: 12.44 min Scan# 1760

Delta R.T. -0.01 min

Lab File: BF112903.D

Acq: 7 Mar 2019 1:37

Instrument :

BNA_F

ClientSampleId :

EXT-028-SW009-022719

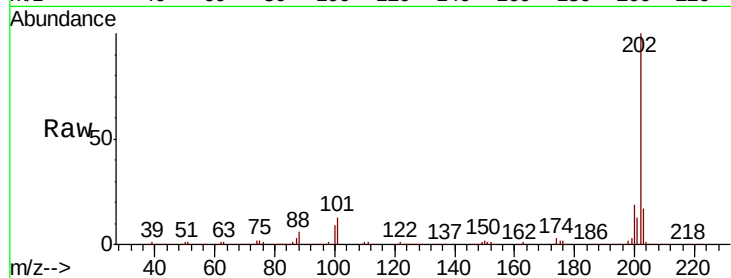
Tgt Ion: 202 Resp: 326150

Ion Ratio Lower Upper

202 100

101 13.5 0.0 33.8

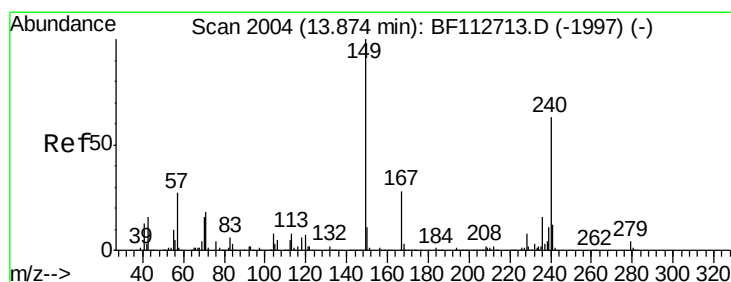
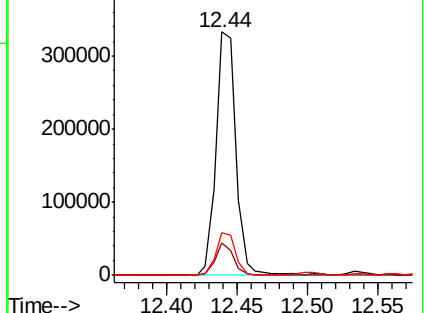
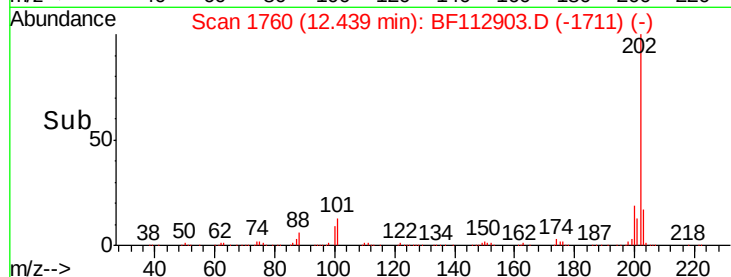
203 17.5 0.0 38.4



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: 13.86 min Scan# 2002

Delta R.T. -0.01 min

Lab File: BF112903.D

Acq: 7 Mar 2019 1:37

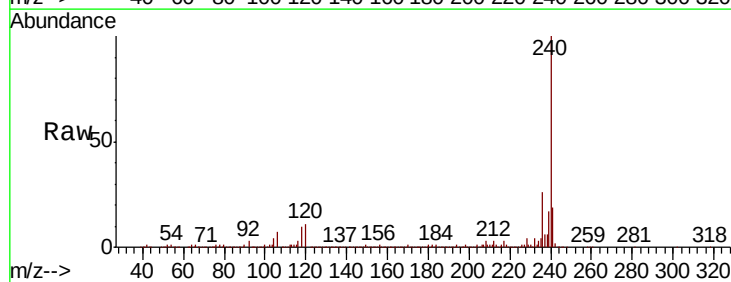
Tgt Ion: 240 Resp: 589479

Ion Ratio Lower Upper

240 100

120 11.0 8.9 13.3

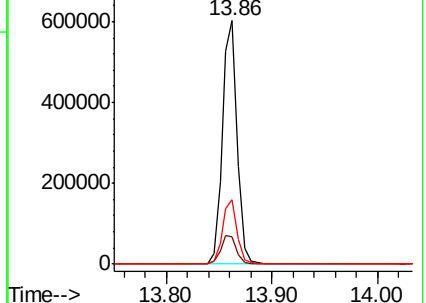
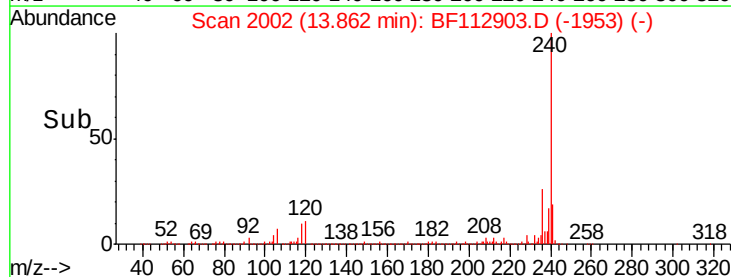
236 26.2 20.7 31.1

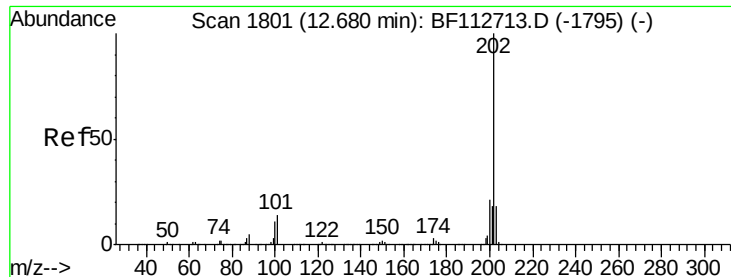


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

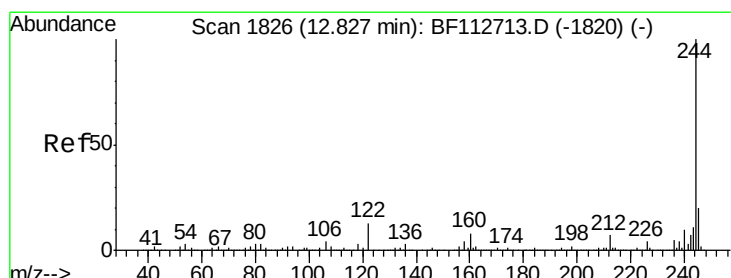
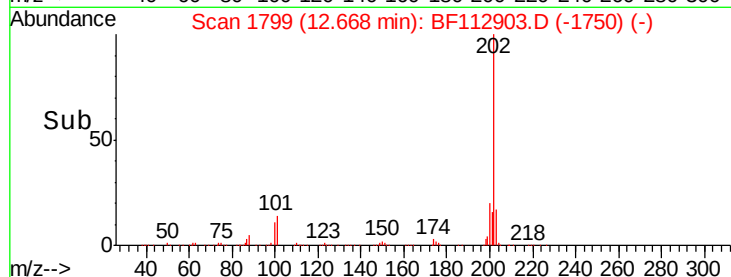
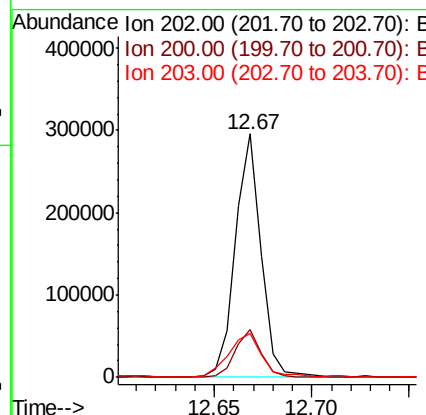
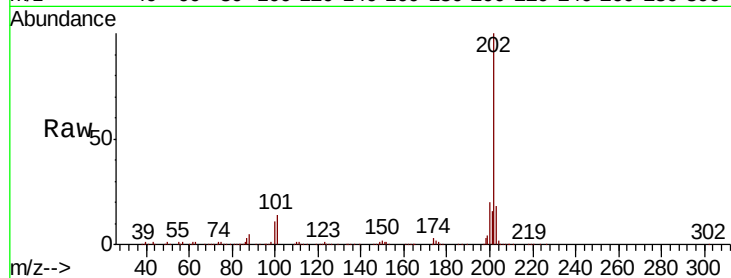




#78
 Pyrene
 Concen: 5.412 ng
 RT: 12.67 min Scan# 1799
 Delta R.T. -0.01 min
 Lab File: BF112903.D
 Acq: 7 Mar 2019 1:37

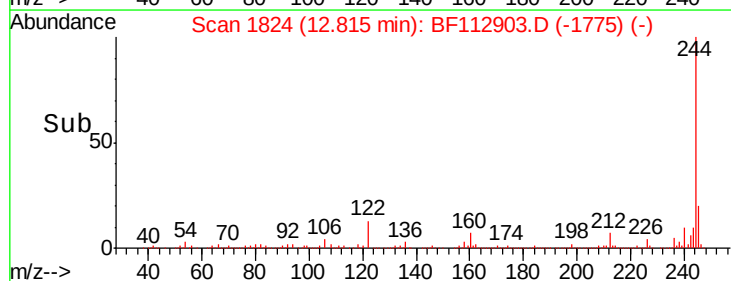
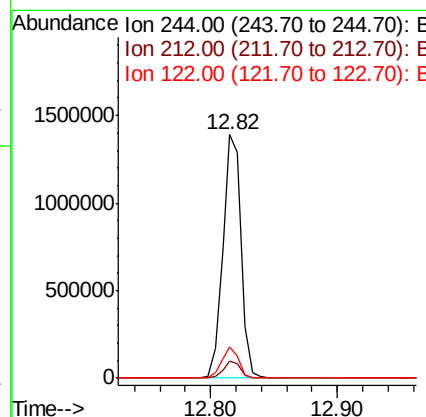
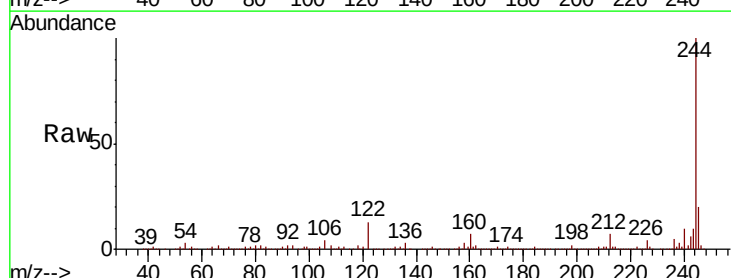
Instrument :
 BNA_F
 ClientSampleId :
 EXT-028-SW009-022719

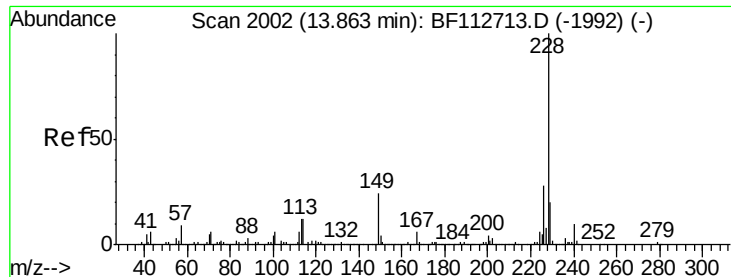
Tgt Ion	Ratio	Lower	Upper
202	100		
200	19.8	17.0	25.4
203	17.8	14.4	21.6



#79
 Terphenyl-d14
 Concen: 46.023 ng
 RT: 12.82 min Scan# 1824
 Delta R.T. -0.01 min
 Lab File: BF112903.D
 Acq: 7 Mar 2019 1:37

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.6	8.4
122	12.6	10.5	15.7

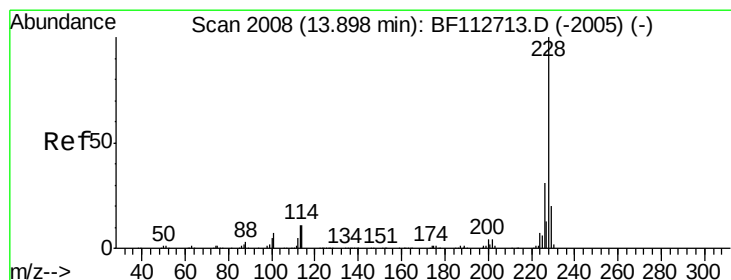
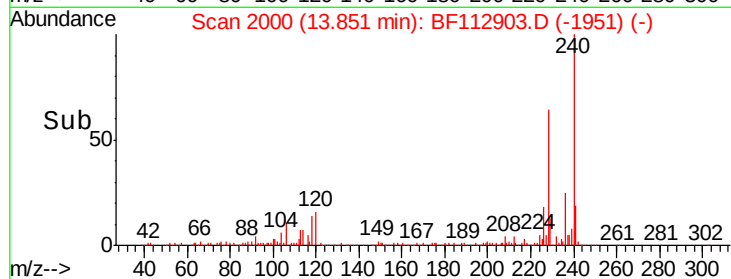
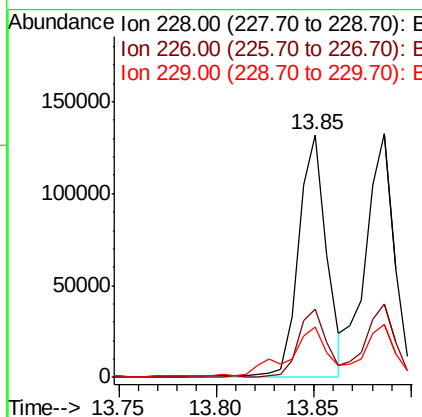
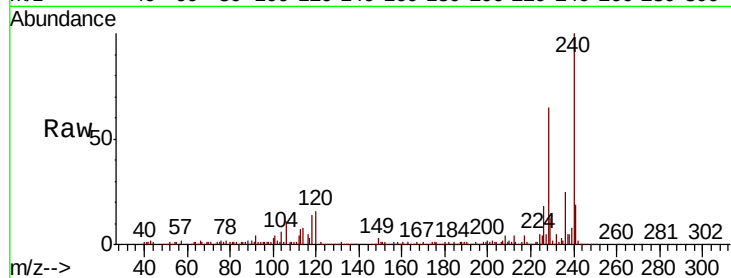




#81
Benzo(a)anthracene
Concen: 3.218 ng
RT: 13.85 min Scan# 2000
Delta R.T. -0.01 min
Lab File: BF112903.D
Acq: 7 Mar 2019 1:37

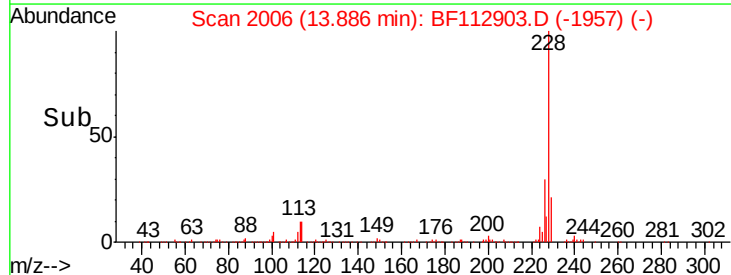
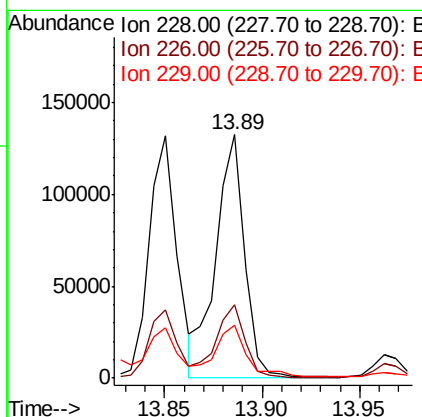
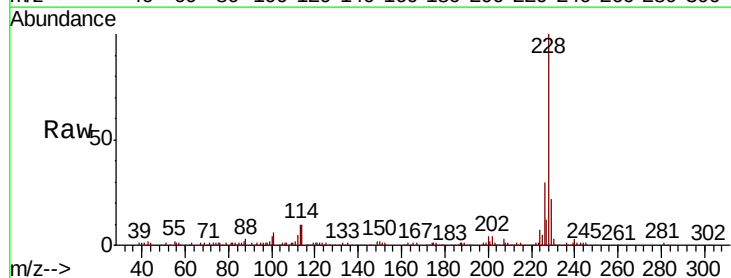
Instrument :
BNA_F
ClientSampleId :
EXT-028-SW009-022719

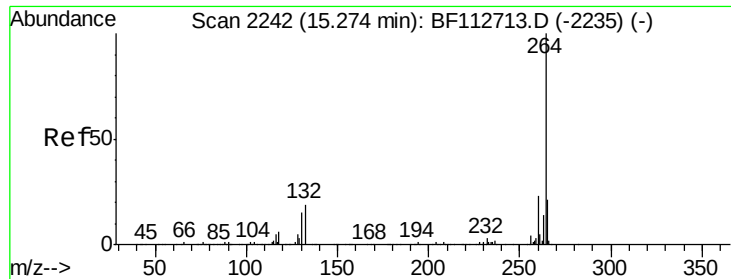
Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.0	22.2	33.4
229	20.6	16.0	24.0



#83
Chrysene
Concen: 3.392 ng
RT: 13.89 min Scan# 2006
Delta R.T. -0.01 min
Lab File: BF112903.D
Acq: 7 Mar 2019 1:37

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.2	24.9	37.3
229	21.5	16.3	24.5

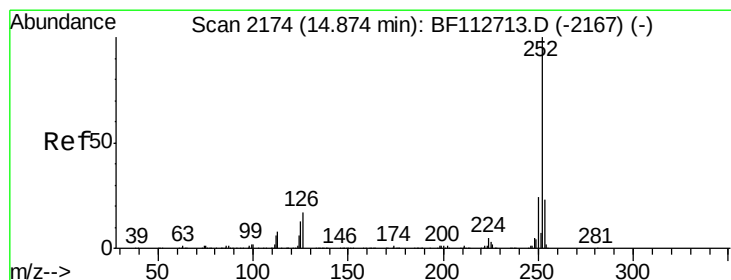
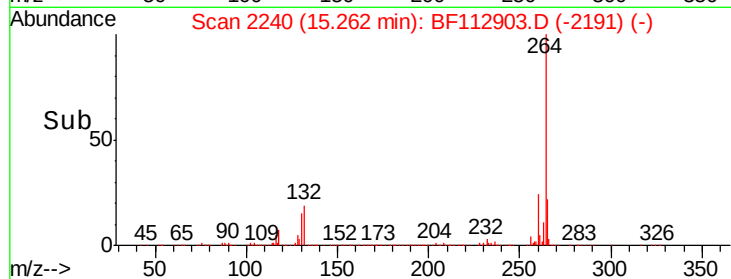
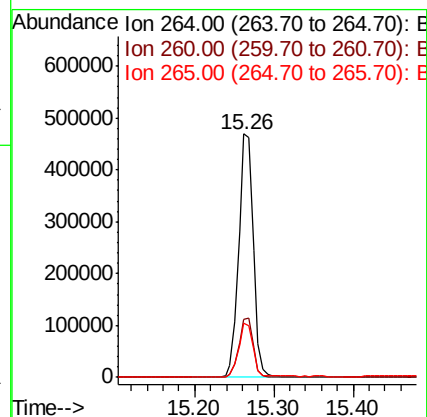
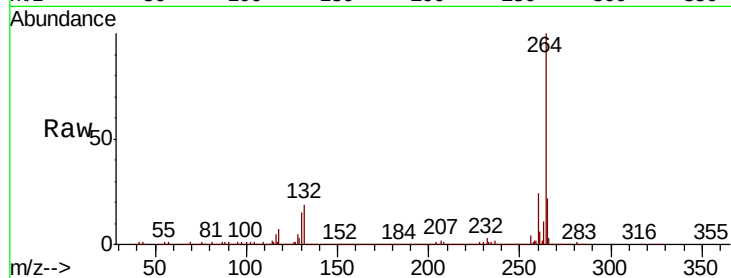




#87
Perylene-d12
Concen: 20.000 ng
RT: 15.26 min Scan# 2240
Delta R.T. -0.01 min
Lab File: BF112903.D
Acq: 7 Mar 2019 1:37

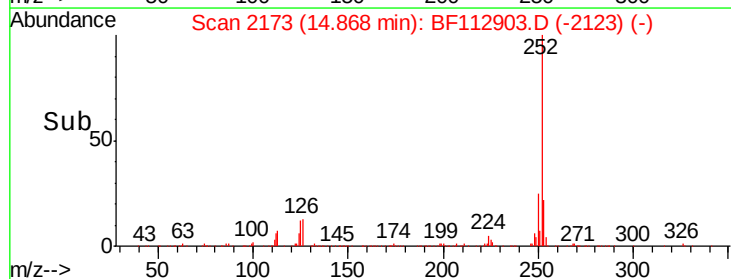
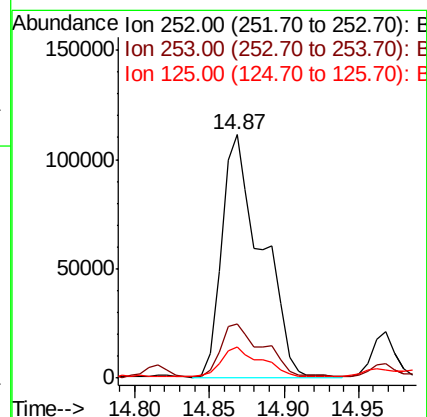
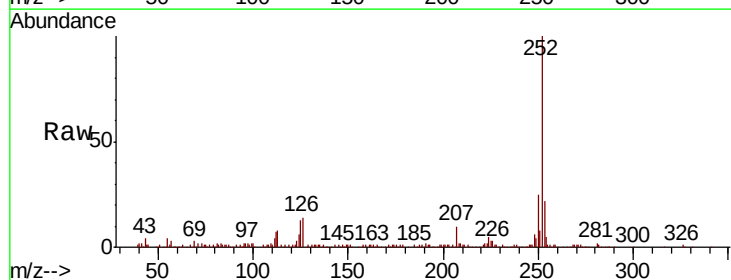
Instrument :
BNA_F
ClientSampleId :
EXT-028-SW009-022719

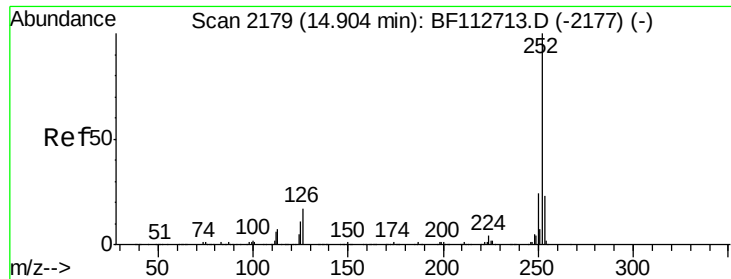
Tgt Ion:264 Resp: 601111
Ion Ratio Lower Upper
264 100
260 23.7 18.7 28.1
265 22.0 17.2 25.8



#88
Benzo(b)fluoranthene
Concen: 5.301 ng
RT: 14.87 min Scan# 2173
Delta R.T. -0.01 min
Lab File: BF112903.D
Acq: 7 Mar 2019 1:37

Tgt Ion:252 Resp: 206098
Ion Ratio Lower Upper
252 100
253 22.4 18.0 27.0
125 12.7 10.2 15.2

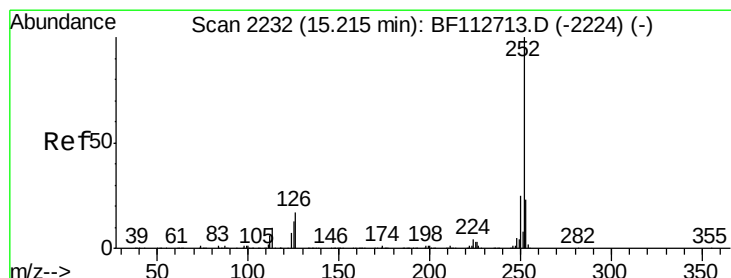
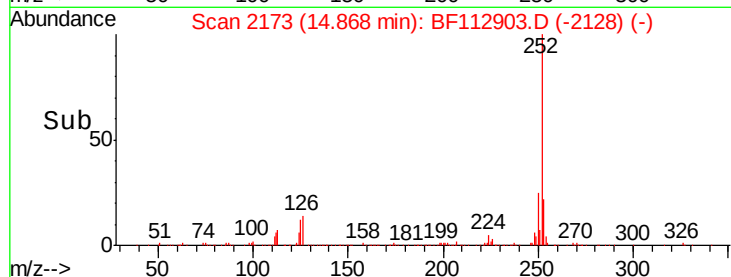
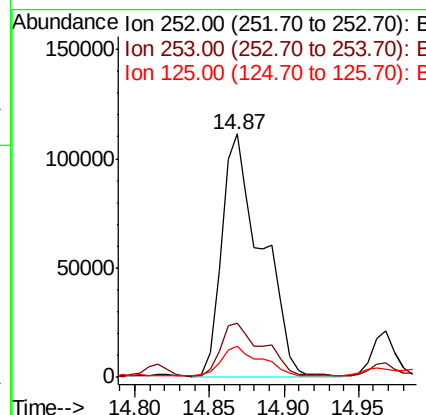
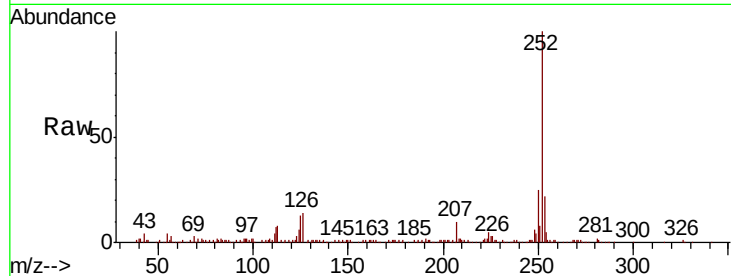




#89
Benzo(k)fluoranthene
Concen: 5.852 ng
RT: 14.87 min Scan# 2173
Delta R.T. -0.04 min
Lab File: BF112903.D
Acq: 7 Mar 2019 1:37

Instrument :
BNA_F
ClientSampleId :
EXT-028-SW009-022719

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.4	18.2	27.2
125	12.7	9.8	14.6



#90
Benzo(a)pyrene
Concen: 3.027 ng
RT: 15.20 min Scan# 2230
Delta R.T. -0.01 min
Lab File: BF112903.D
Acq: 7 Mar 2019 1:37

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.0	18.0	27.0
125	11.9	10.7	16.1

