

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF030619\
 Data File : BF112910.D
 Acq On : 7 Mar 2019 4:49
 Operator : JU/SJ
 Sample : K1705-16
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PST-028-B101-022719

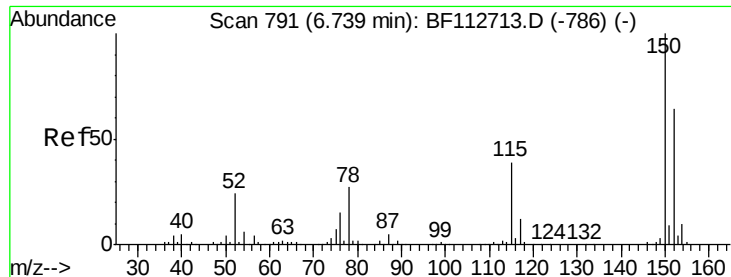
Quant Time: Mar 07 05:49:25 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 01 15:40:43 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	193470	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	709862	20.00	ng	-0.01
39) Acenaphthene-d10	9.76	164	310070	20.00	ng	0.00
64) Phenanthrene-d10	11.24	188	576028	20.00	ng	0.00
76) Chrysene-d12	13.86	240	589886	20.00	ng	-0.01
87) Perylene-d12	15.27	264	531498	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.35	112	1068064	85.87	ng	0.00
7) Phenol-d6	6.37	99	1422333	91.04	ng	0.00
23) Nitrobenzene-d5	7.29	82	808561	68.16	ng	-0.02
42) 2,4,6-Tribromophenol	10.55	330	354611	107.73	ng	-0.01
45) 2-Fluorobiphenyl	9.09	172	1372661	70.02	ng	-0.01
79) Terphenyl-d14	12.82	244	1267086	41.64	ng	-0.01

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Aniline	6.44	93	254486	11.833	ng	# 48
11) bis(2-Chloroethyl)ether	6.44	93	254486	18.186	ng	# 21
19) n-Nitroso-di-n-propylamine	7.29	70	105198	10.631	ng	# 76
25) Isophorone	7.29	82	804211	31.467	ng	# 66
50) Dimethylphthalate	9.48	163	115286	5.042	ng	100
65) 4,6-Dinitro-2-methylphenol	10.54	198	372	4.755	ng	# 1
67) 4-Bromophenyl-phenylether	10.55	248	20057	3.306	ng	# 1
71) Phenanthrene	11.26	178	99920	3.486	ng	98
72) Anthracene	11.26	178	99920	3.331	ng	98
75) Fluoranthene	12.44	202	142434	4.639	ng	94
78) Pyrene	12.67	202	136127	2.737	ng	98
88) Benzo(b)fluoranthene	14.87	252	100735	2.930	ng	94
89) Benzo(k)fluoranthene	14.87	252	100735	3.235	ng	# 94

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

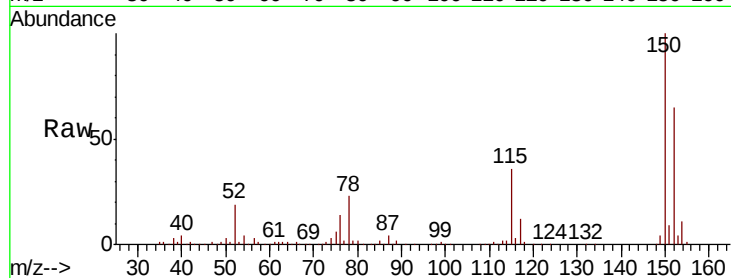


#1

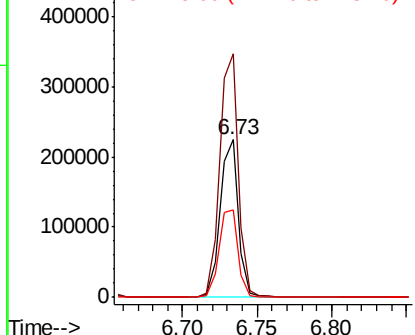
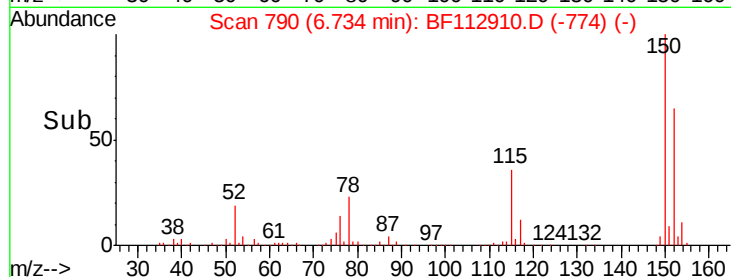
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 790
Delta R.T. -0.01 min
Lab File: BF112910.D
Acq: 7 Mar 2019 4:49

Instrument :
BNA_F
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PST-028-B101-022719

Tgt Ion:152 Resp: 193470
Ion Ratio Lower Upper
152 100
150 154.3 124.2 186.2
115 55.5 48.2 72.4



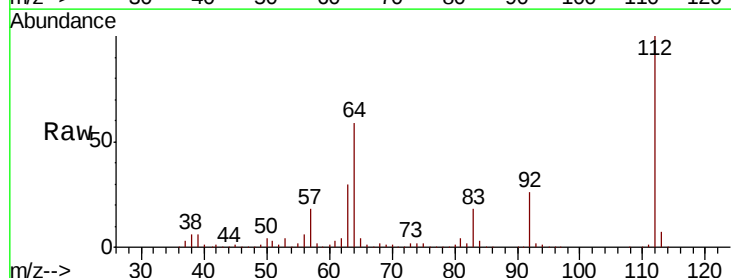
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



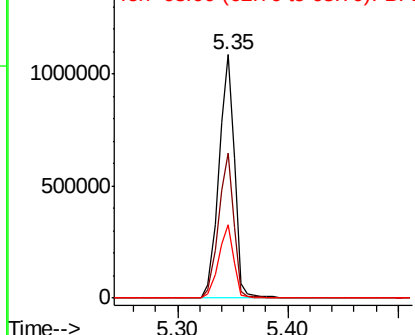
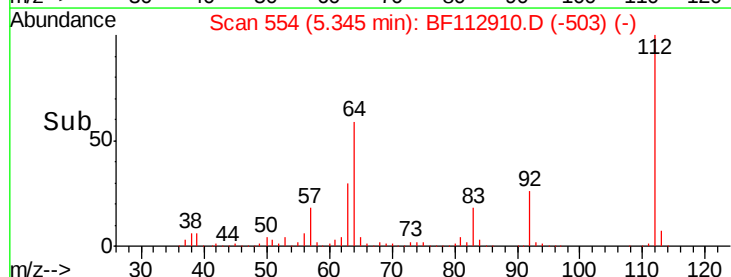
#5

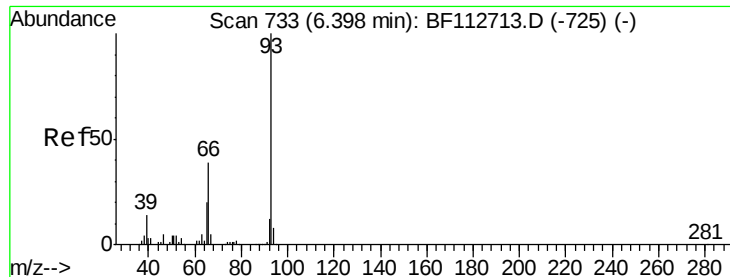
2-Fluorophenol
Concen: 85.875 ng
RT: 5.35 min Scan# 554
Delta R.T. -0.00 min
Lab File: BF112910.D
Acq: 7 Mar 2019 4:49

Tgt Ion:112 Resp: 1068064
Ion Ratio Lower Upper
112 100
64 59.4 47.6 71.4
63 30.3 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





#6

Aniline

Concen: 11.833 ng

RT: 6.44 min Scan# 740

Delta R.T. 0.04 min

Lab File: BF112910.D

Acq: 7 Mar 2019 4:49

Instrument :

BNA_F

ClientSampleId :

PST-028-B101-022719

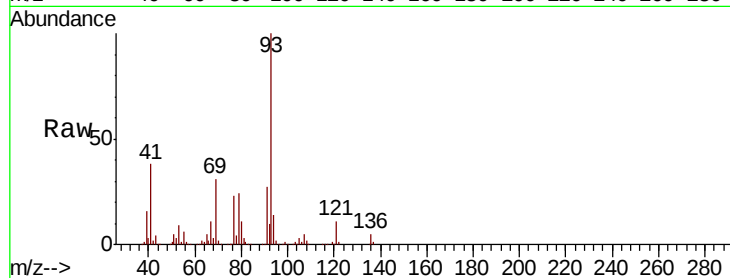
Tgt Ion: 93 Resp: 254486

Ion Ratio Lower Upper

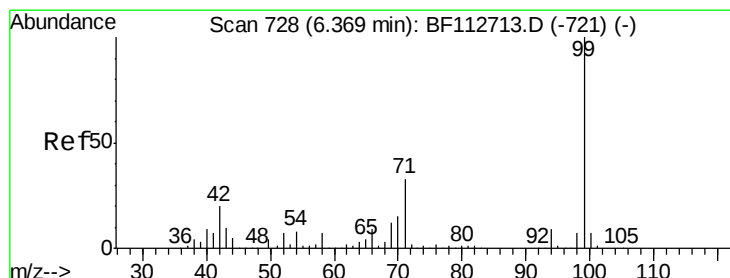
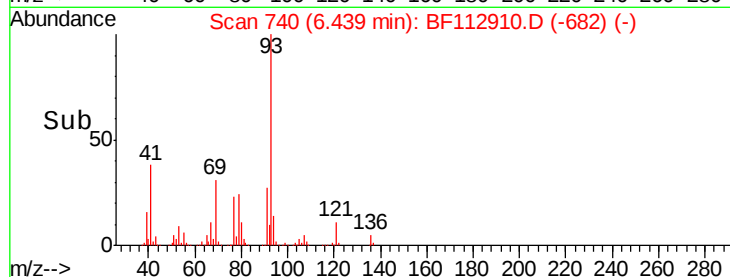
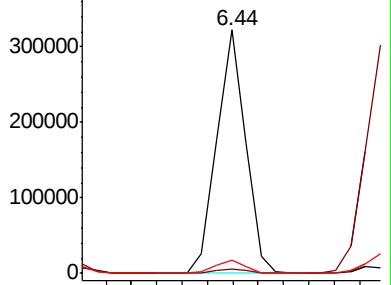
93 100

66 1.9 32.2 48.2#

65 5.5 16.2 24.4#



Abundance Ion 93.00 (92.70 to 93.70): BF1
Ion 66.00 (65.70 to 66.70): BF1
Ion 65.00 (64.70 to 65.70): BF1



#7

Phenol-d6

Concen: 91.038 ng

RT: 6.37 min Scan# 728

Delta R.T. -0.00 min

Lab File: BF112910.D

Acq: 7 Mar 2019 4:49

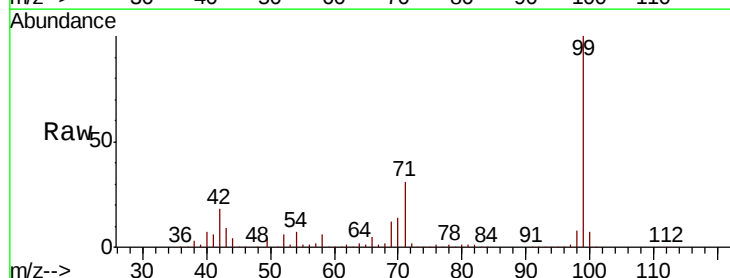
Tgt Ion: 99 Resp: 1422333

Ion Ratio Lower Upper

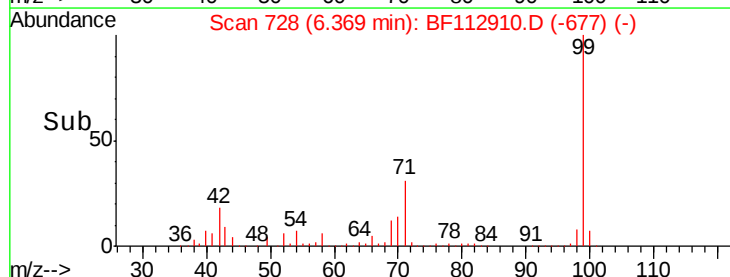
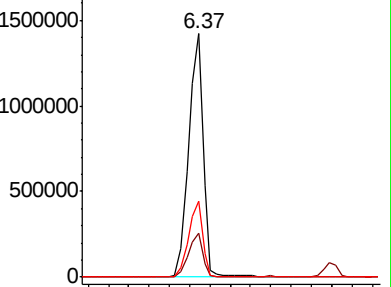
99 100

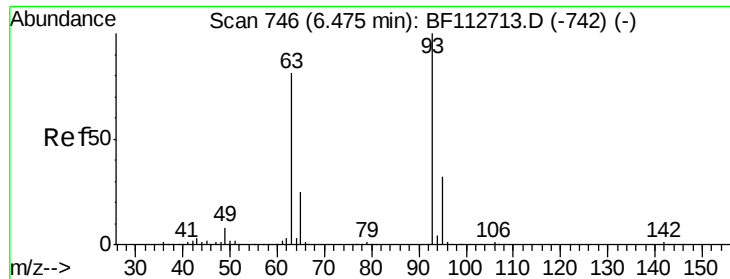
42 18.2 16.3 24.5

71 31.1 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

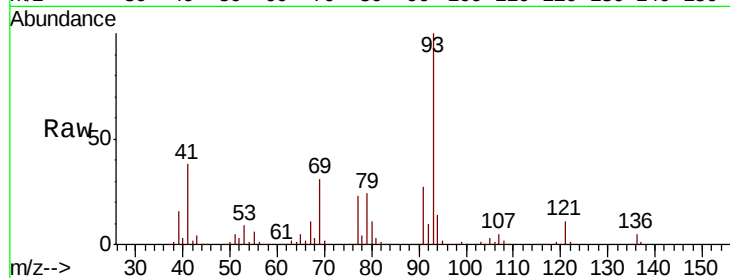




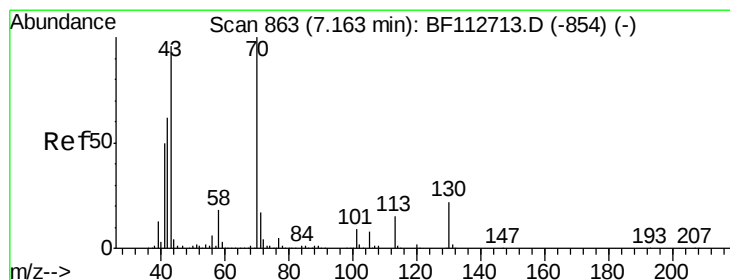
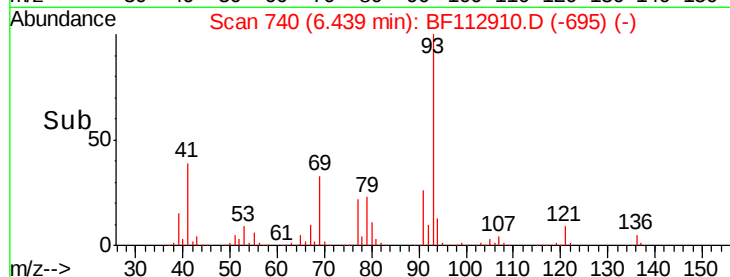
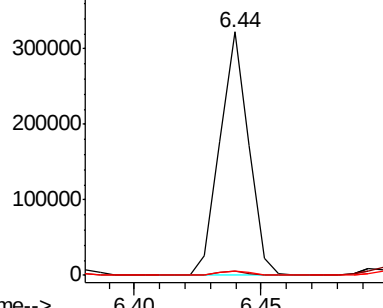
#11
bis(2-Chloroethyl)ether
Concen: 18.186 ng
RT: 6.44 min Scan# 740
Delta R.T. -0.04 min
Lab File: BF112910.D
Acq: 7 Mar 2019 4:49

Instrument :
BNA_F
ClientSampleId :
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Tgt Ion: 93 Resp: 254486
Ion Ratio Lower Upper
93 100
63 1.5 60.5 100.5#
95 2.0 12.1 52.1#

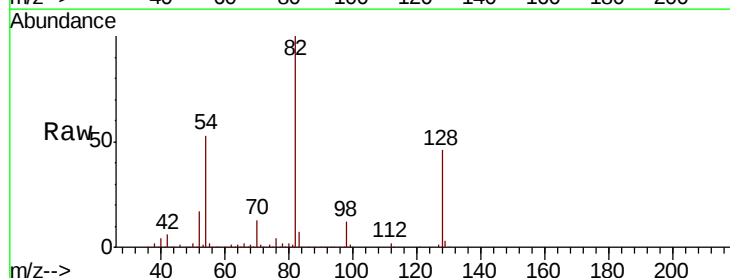


Abundance Ion 93.00 (92.70 to 93.70): BF1
Ion 63.00 (62.70 to 63.70): BF1
Ion 95.00 (94.70 to 95.70): BF1

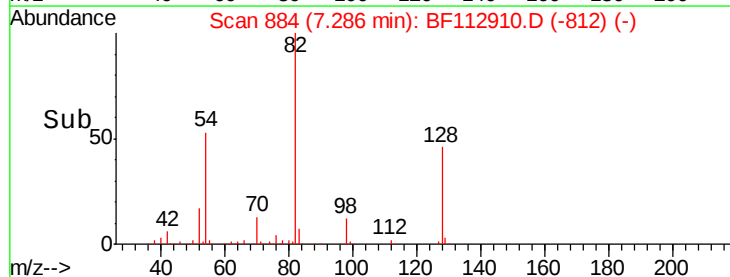
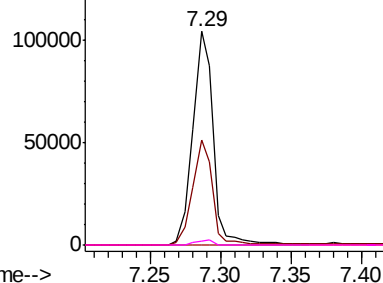


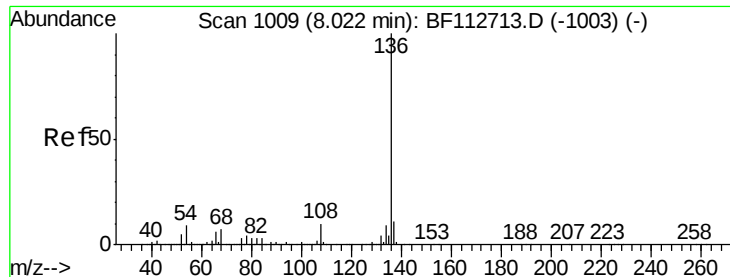
#19
n-Nitroso-di-n-propylamine
Concen: 10.631 ng
RT: 7.29 min Scan# 884
Delta R.T. 0.12 min
Lab File: BF112910.D
Acq: 7 Mar 2019 4:49

Tgt Ion: 70 Resp: 105198
Ion Ratio Lower Upper
70 100
42 49.0 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

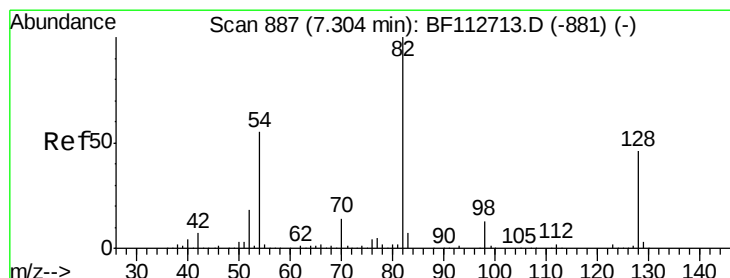
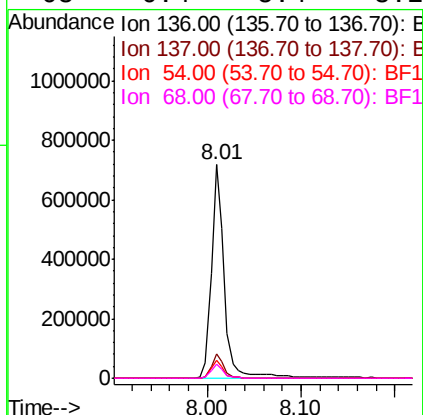
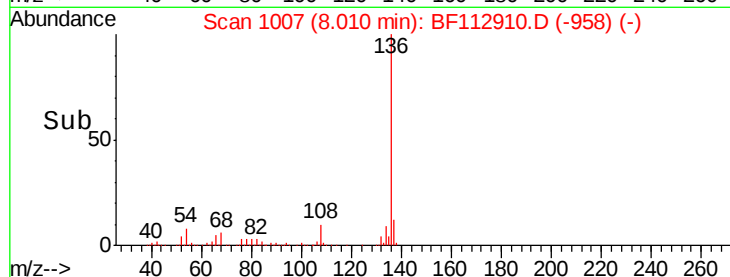
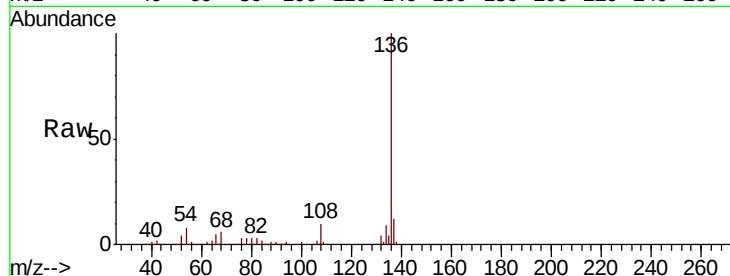




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.01 min Scan# 1007
Delta R.T. -0.01 min
Lab File: BF112910.D
Acq: 7 Mar 2019 4:49

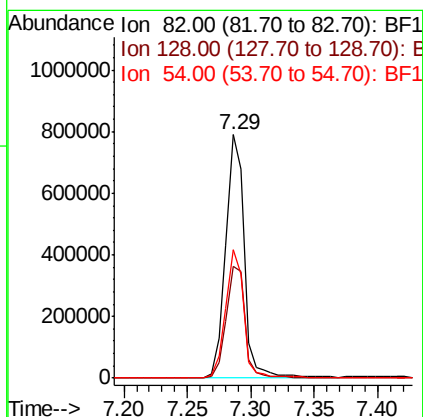
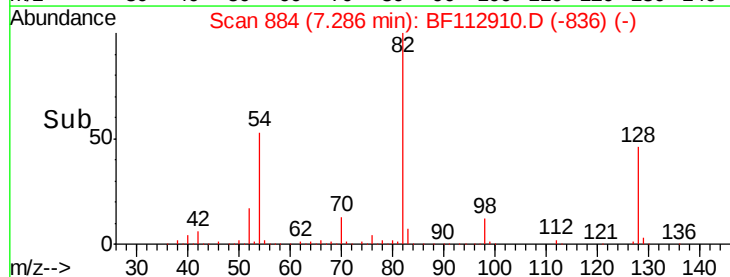
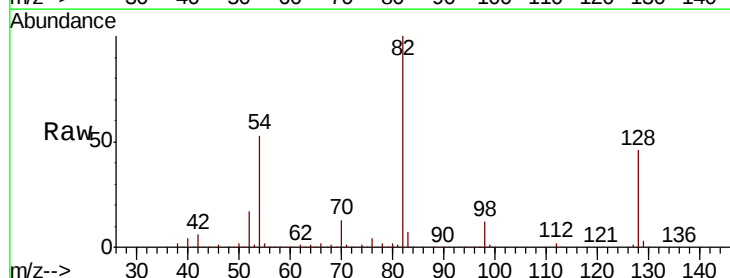
Instrument :
BNA_F
ClientSampleId :
PST-028-B101-022719

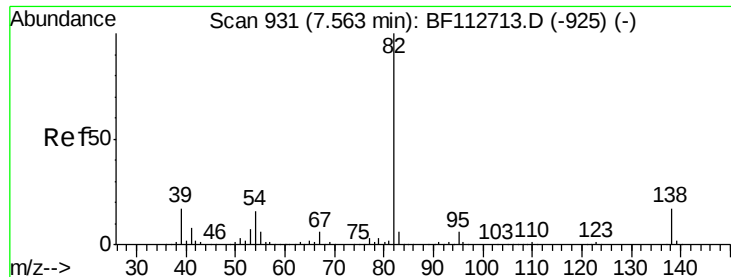
Tgt Ion:	136	Resp:	709862
Ion Ratio	Lower	Upper	
136	100		
137	11.5	8.9	13.3
54	8.3	7.3	10.9
68	6.4	5.4	8.2



#23
Nitrobenzene-d5
Concen: 68.158 ng
RT: 7.29 min Scan# 884
Delta R.T. -0.02 min
Lab File: BF112910.D
Acq: 7 Mar 2019 4:49

Tgt Ion:	82	Resp:	808561
Ion Ratio	Lower	Upper	
82	100		
128	45.8	36.3	54.5
54	52.8	43.7	65.5





#25

Isophorone

Concen: 31.467 ng

RT: 7.29 min Scan# 884

Delta R.T. -0.28 min

Lab File: BF112910.D

Acq: 7 Mar 2019 4:49

Instrument :

BNA_F

ClientSampleId :

PST-028-B101-022719

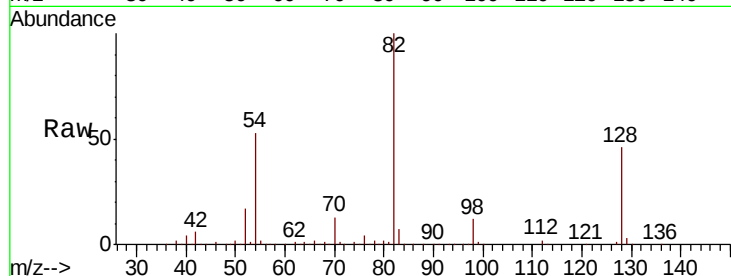
Tgt Ion: 82 Resp: 804211

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

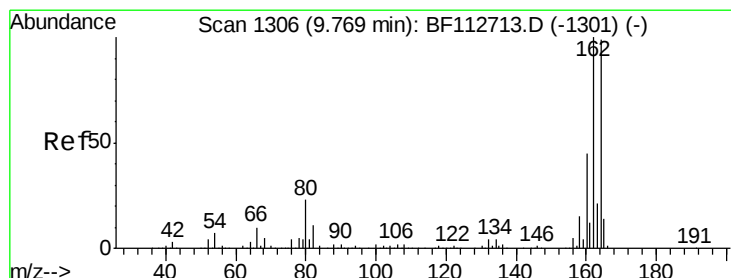
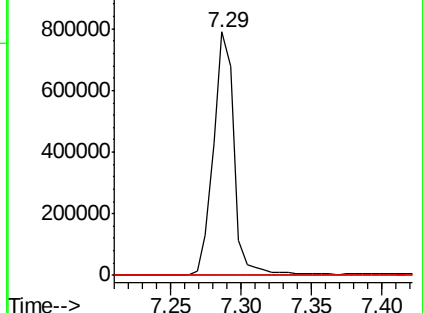
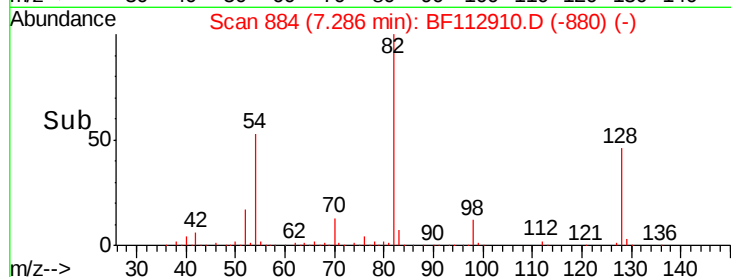
138 0.0 13.8 20.8#



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# 1305

Delta R.T. -0.01 min

Lab File: BF112910.D

Acq: 7 Mar 2019 4:49

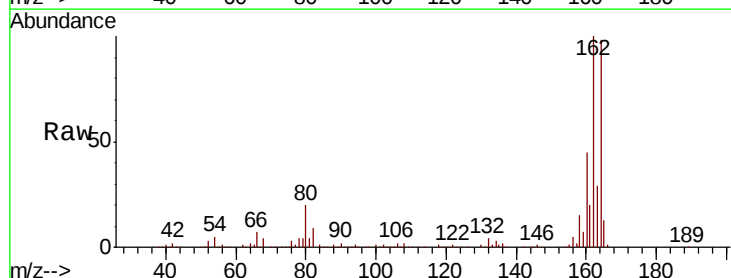
Tgt Ion: 164 Resp: 310070

Ion Ratio Lower Upper

164 100

162 102.0 80.6 120.8

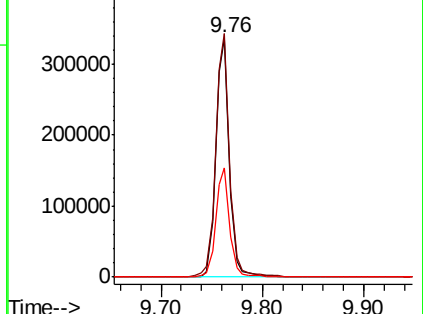
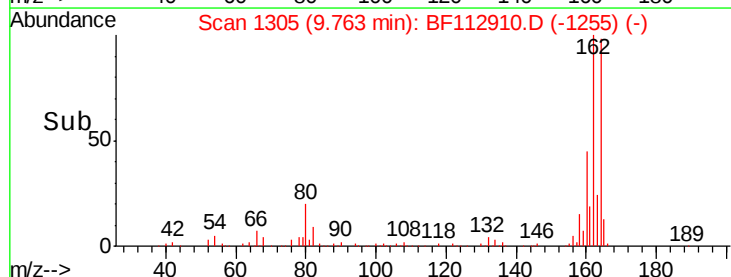
160 45.9 36.0 54.0

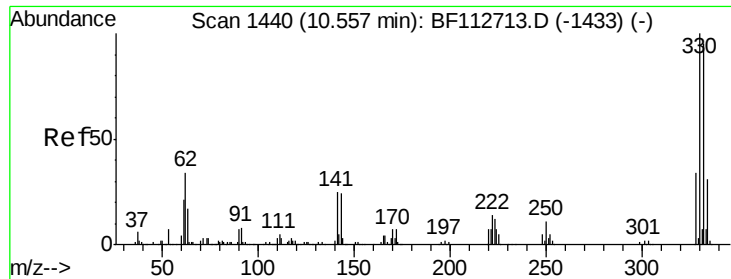


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

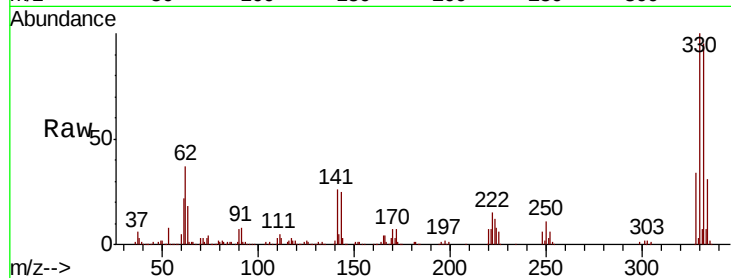




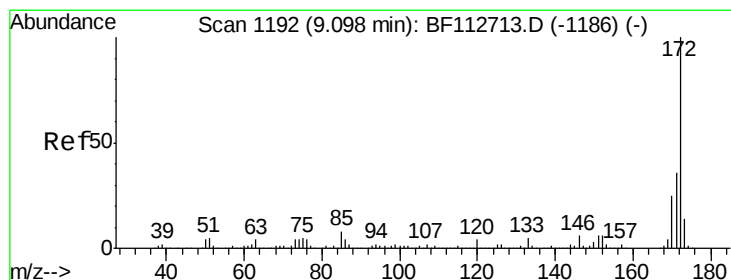
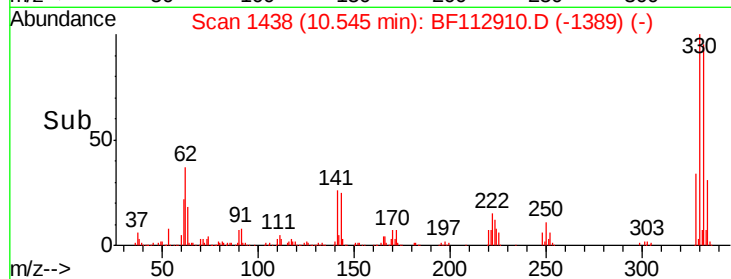
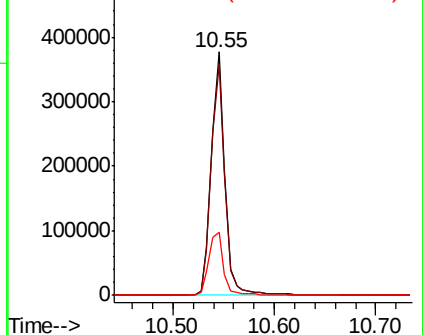
#42
 2,4,6-Tribromophenol
 Concen: 107.726 ng
 RT: 10.55 min Scan# 1438
 Delta R.T. -0.01 min
 Lab File: BF112910.D
 Acq: 7 Mar 2019 4:49

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Tgt Ion:330 Resp: 354611
 Ion Ratio Lower Upper
 330 100
 332 96.6 76.2 114.4
 141 28.5 27.0 40.6

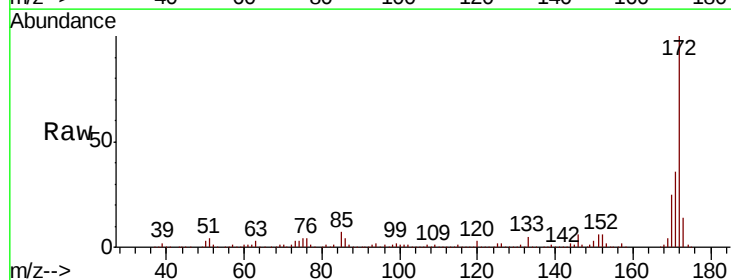


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

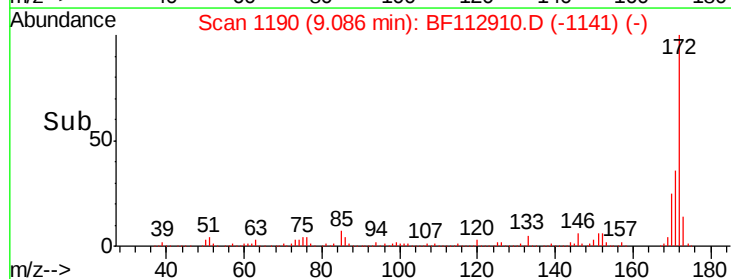
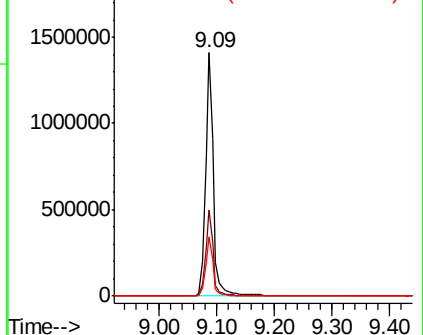


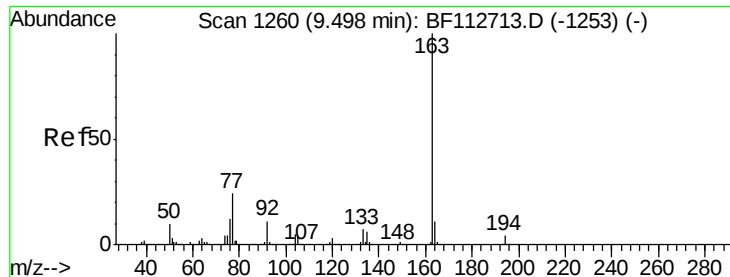
#45
 2-Fluorobiphenyl
 Concen: 70.016 ng
 RT: 9.09 min Scan# 1190
 Delta R.T. -0.01 min
 Lab File: BF112910.D
 Acq: 7 Mar 2019 4:49

Tgt Ion:172 Resp: 1372661
 Ion Ratio Lower Upper
 172 100
 171 35.6 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: 5.042 ng

RT: 9.48 min Scan# 1257

Delta R.T. -0.02 min

Lab File: BF112910.D

Acq: 7 Mar 2019 4:49

Instrument :

BNA_F

ClientSampleId :

PST-028-B101-022719

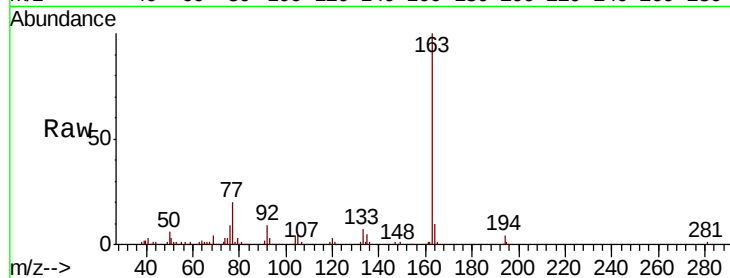
Tgt Ion:163 Resp: 115286

Ion Ratio Lower Upper

163 100

194 3.6 3.0 4.4

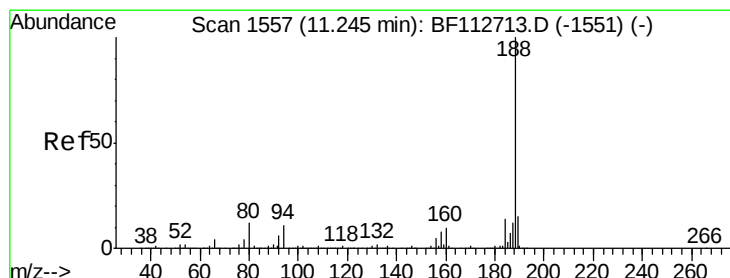
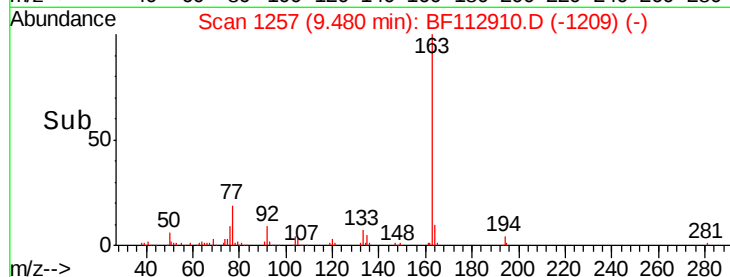
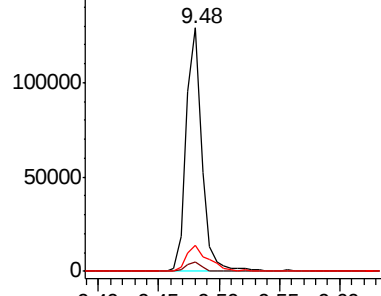
164 10.5 8.4 12.6



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.24 min Scan# 1556

Delta R.T. -0.01 min

Lab File: BF112910.D

Acq: 7 Mar 2019 4:49

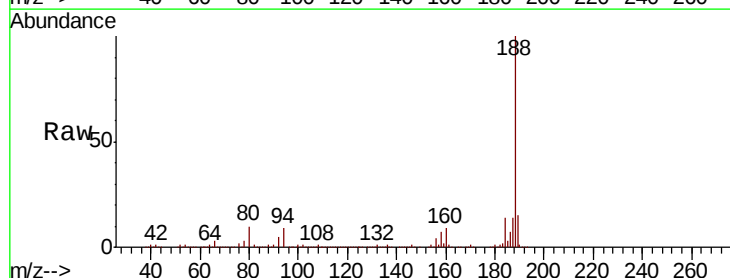
Tgt Ion:188 Resp: 576028

Ion Ratio Lower Upper

188 100

94 9.4 9.0 13.4

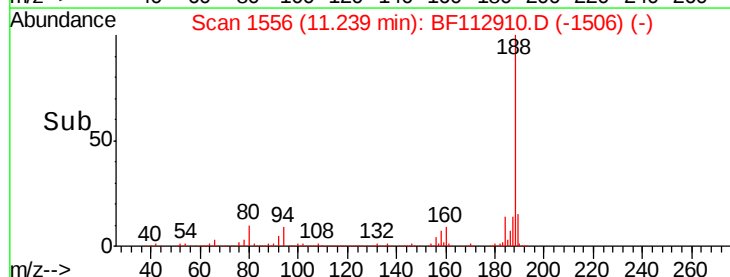
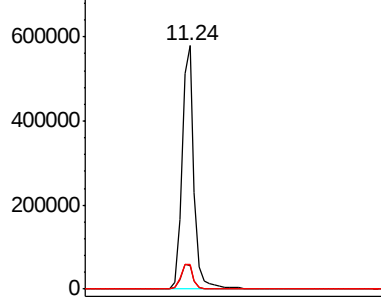
80 10.2 9.2 13.8

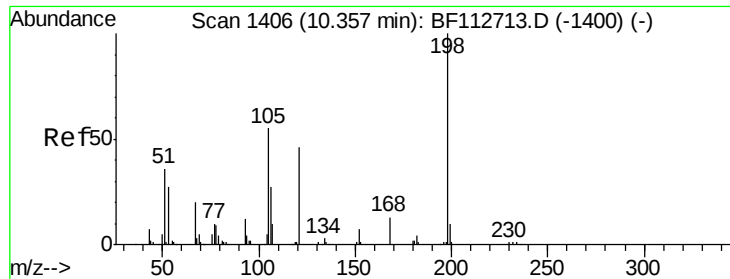


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

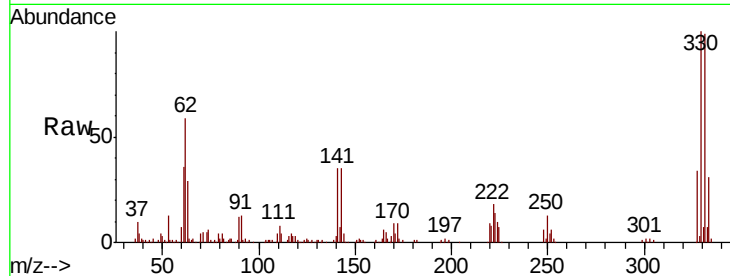




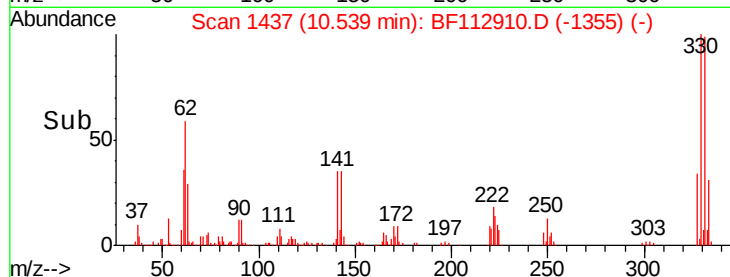
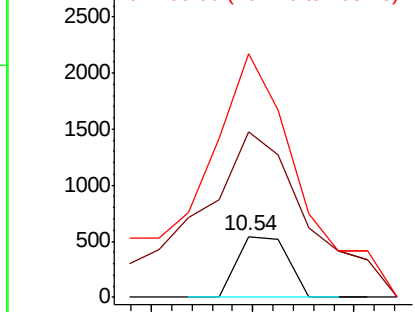
#65
 4,6-Dinitro-2-methylphenol
 Concen: 4.755 ng
 RT: 10.54 min Scan# 1437
 Delta R.T. 0.18 min
 Lab File: BF112910.D
 Acq: 7 Mar 2019 4:49

Instrument :
 BNA_F
 ClientSampleId :
 PST-028-B101-022719

Tgt Ion:198 Resp: 372
 Ion Ratio Lower Upper
 198 100
 51 272.4 43.8 83.8#
 105 402.0 36.5 76.5#

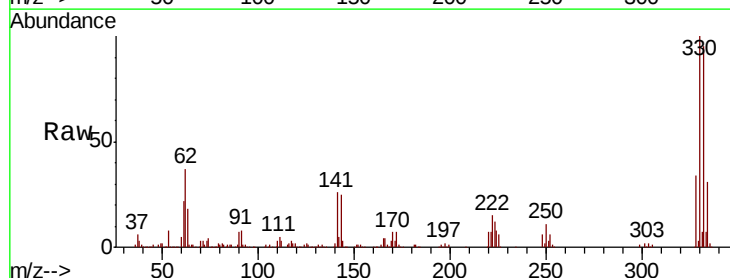


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

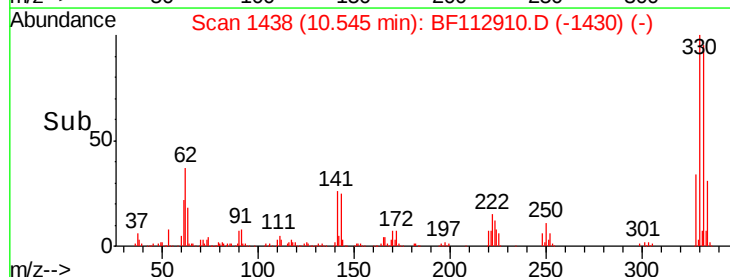
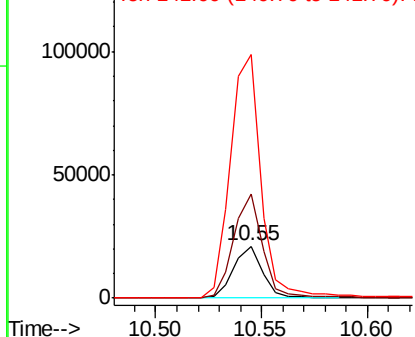


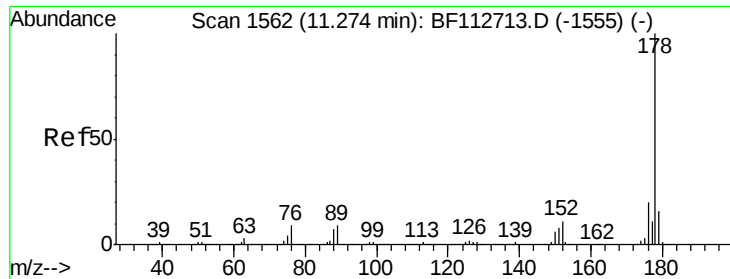
#67
 4-Bromophenyl-phenylether
 Concen: 3.306 ng
 RT: 10.55 min Scan# 1438
 Delta R.T. -0.25 min
 Lab File: BF112910.D
 Acq: 7 Mar 2019 4:49

Tgt Ion:248 Resp: 20057
 Ion Ratio Lower Upper
 248 100
 250 201.7 77.5 116.3#
 141 469.6 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

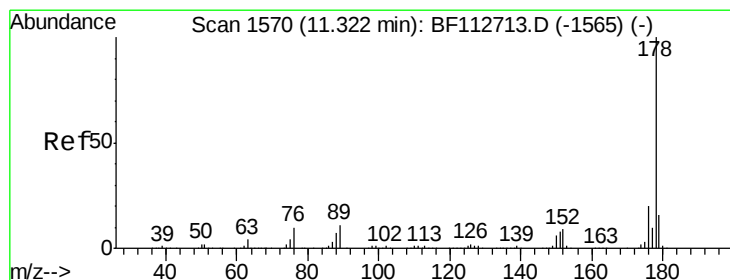
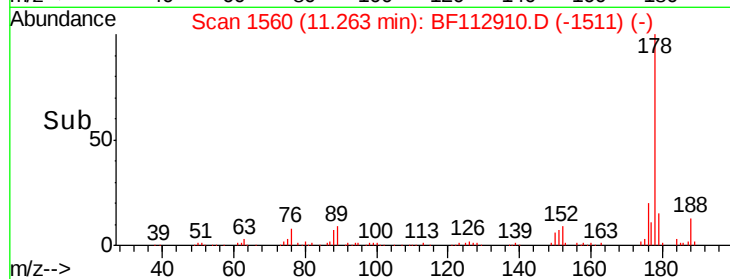
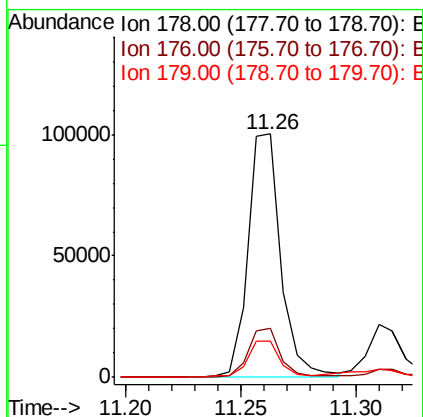
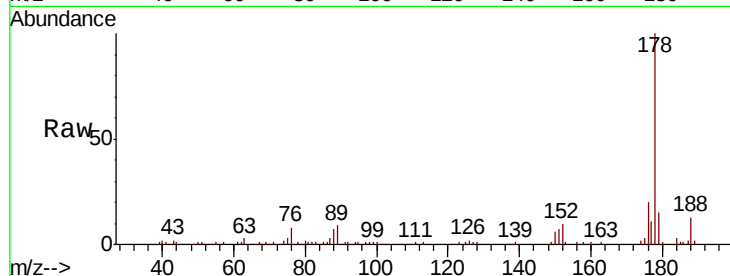




#71
Phenanthrene
Concen: 3.486 ng
RT: 11.26 min Scan# 1560
Delta R.T. -0.01 min
Lab File: BF112910.D
Acq: 7 Mar 2019 4:49

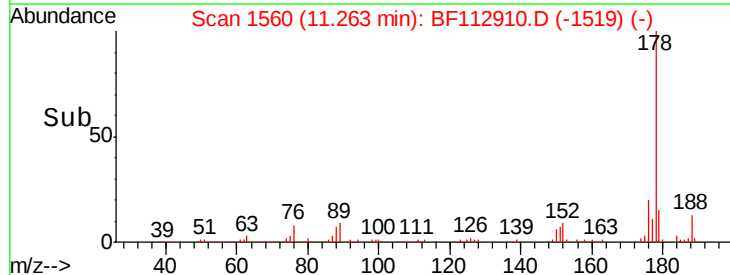
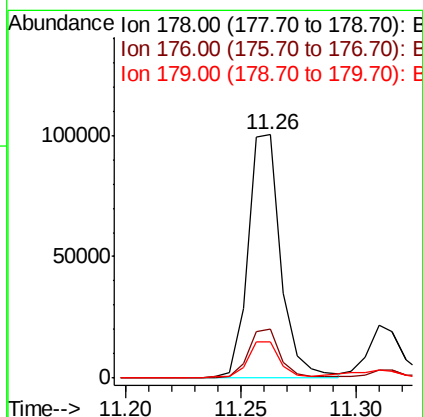
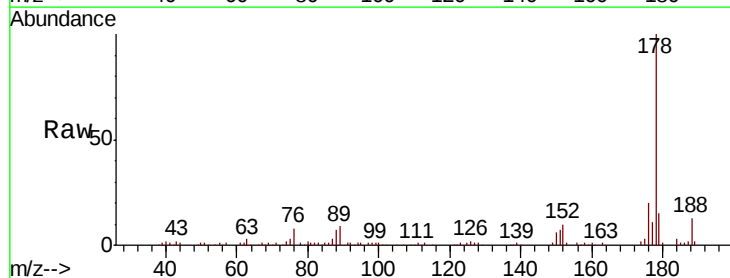
Instrument :
BNA_F
ClientSampleId :
PST-028-B101-022719

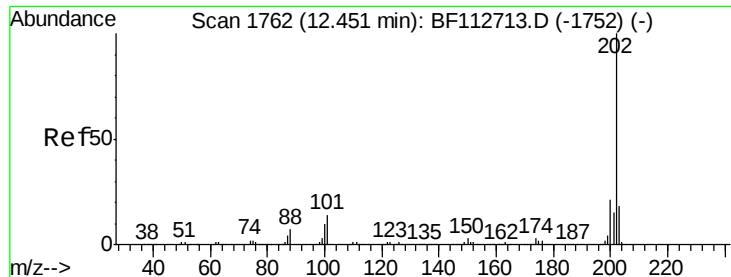
Tgt Ion:178 Resp: 99920
Ion Ratio Lower Upper
178 100
176 20.0 16.3 24.5
179 14.8 12.7 19.1



#72
Anthracene
Concen: 3.331 ng
RT: 11.26 min Scan# 1560
Delta R.T. -0.06 min
Lab File: BF112910.D
Acq: 7 Mar 2019 4:49

Tgt Ion:178 Resp: 99920
Ion Ratio Lower Upper
178 100
176 20.0 15.8 23.6
179 14.8 13.0 19.6





#75

Fluoranthene

Concen: 4.639 ng

RT: 12.44 min Scan# 1761

Delta R.T. -0.01 min

Lab File: BF112910.D

Acq: 7 Mar 2019 4:49

Instrument :

BNA_F

ClientSampleId :

PST-028-B101-022719

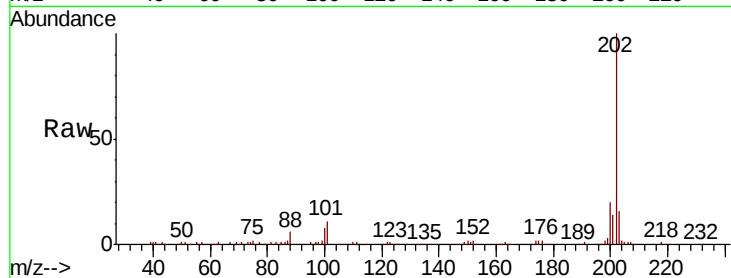
Tgt Ion: 202 Resp: 142434

Ion Ratio Lower Upper

202 100

101 10.7 0.0 33.8

203 16.4 0.0 38.4

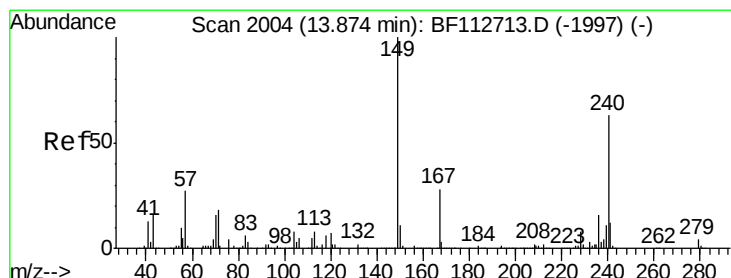
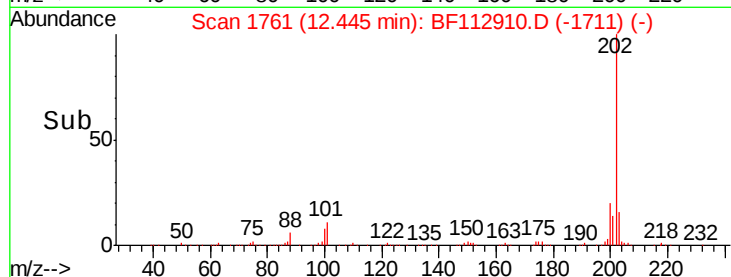
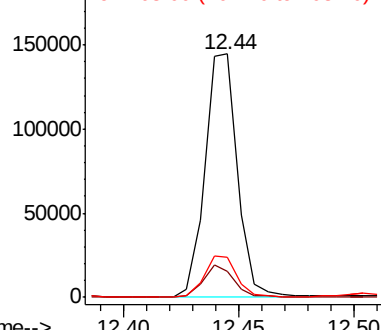


Abundance

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: BF112910.D

Acq: 7 Mar 2019 4:49

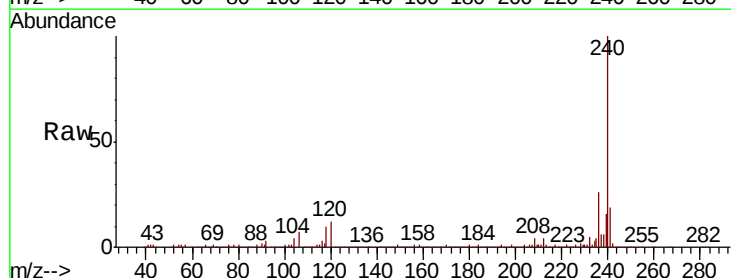
Tgt Ion: 240 Resp: 589886

Ion Ratio Lower Upper

240 100

120 12.1 8.9 13.3

236 26.4 20.7 31.1

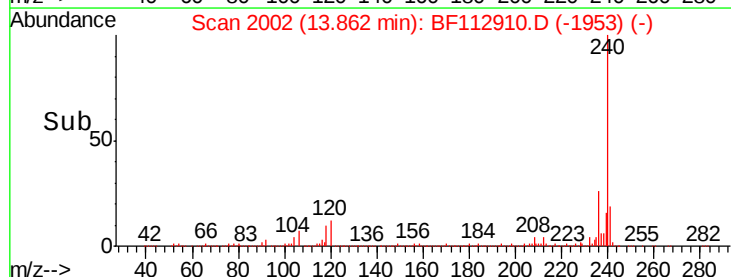
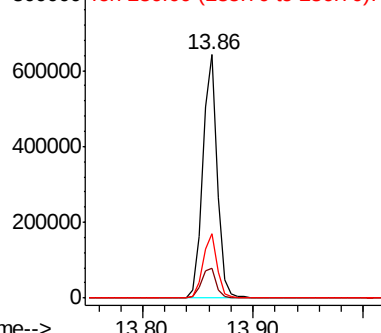


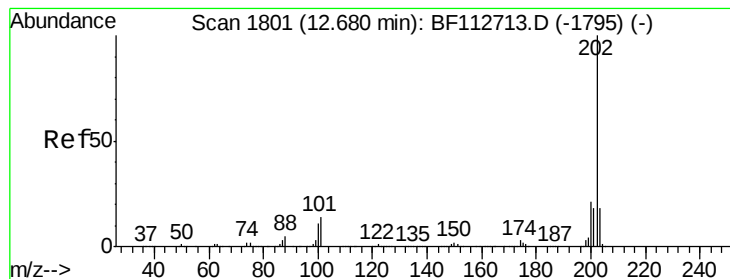
Abundance

Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pyrene

Concen: 2.737 ng

RT: 12.67 min Scan# 1799

Delta R.T. -0.01 min

Lab File: BF112910.D

Acq: 7 Mar 2019 4:49

Instrument :

BNA_F

ClientSampleId :

PST-028-B101-022719

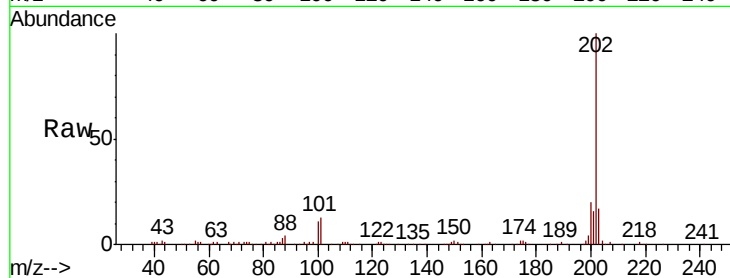
Tgt Ion: 202 Resp: 136127

Ion Ratio Lower Upper

202 100

200 20.0 17.0 25.4

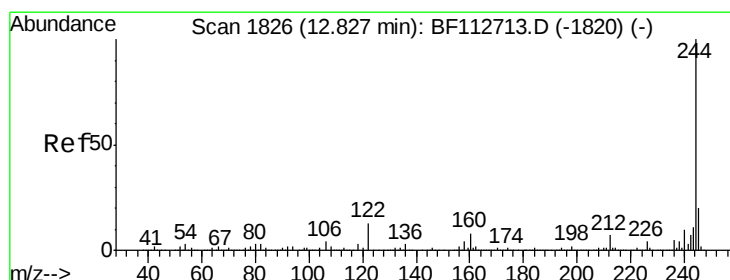
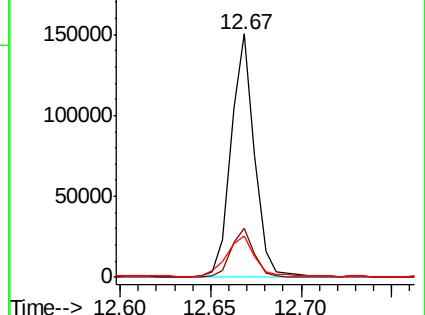
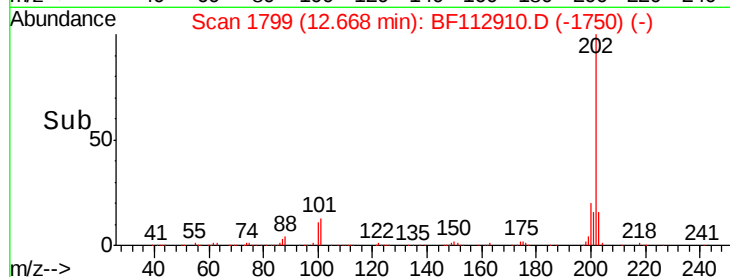
203 17.1 14.4 21.6



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: 41.639 ng

RT: 12.82 min Scan# 1824

Delta R.T. -0.01 min

Lab File: BF112910.D

Acq: 7 Mar 2019 4:49

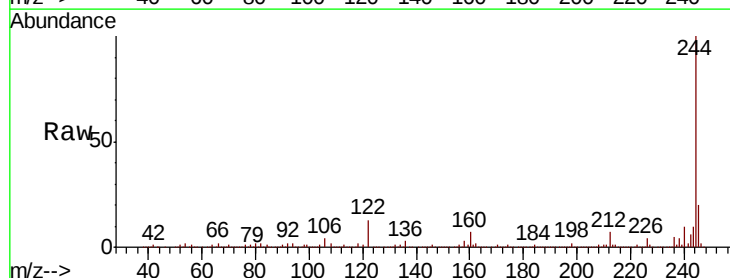
Tgt Ion: 244 Resp: 1267086

Ion Ratio Lower Upper

244 100

212 6.7 5.6 8.4

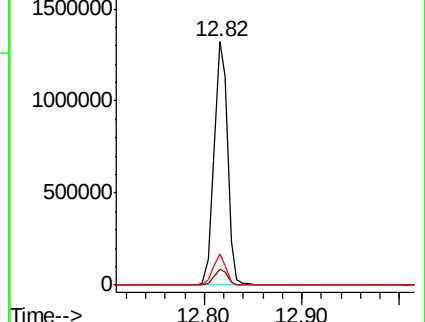
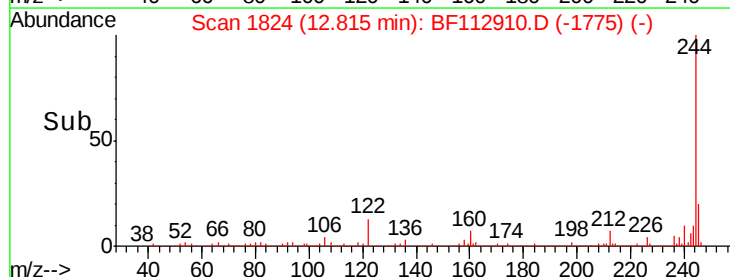
122 12.5 10.5 15.7

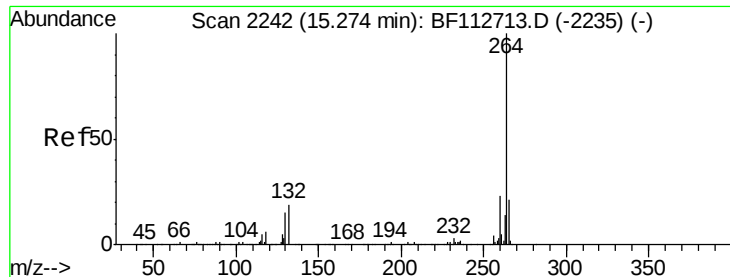


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



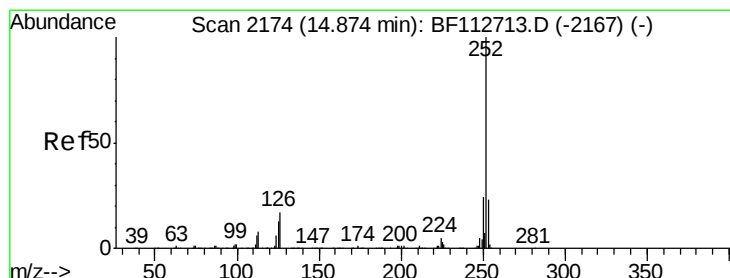
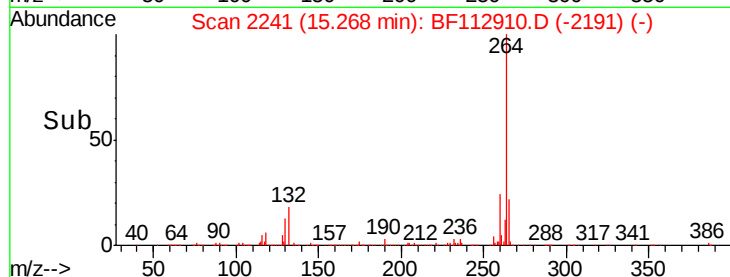
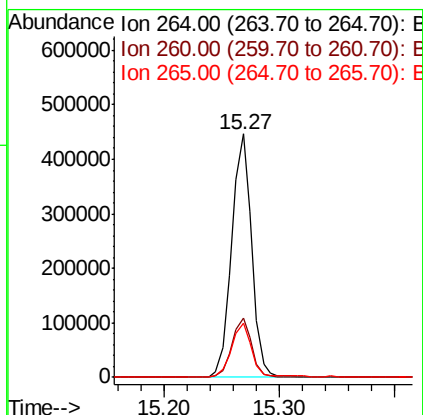
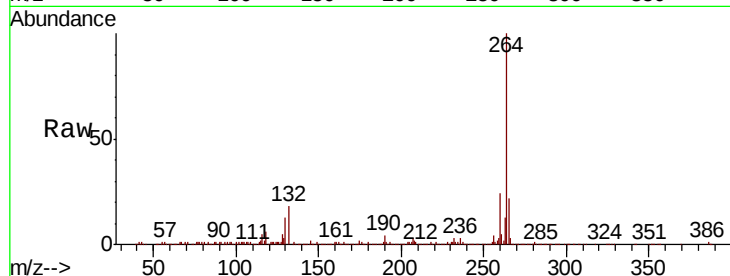


#87
Perylene-d12
Concen: 20.000 ng
RT: 15.27 min Scan# 2241
Delta R.T. -0.01 min
Lab File: BF112910.D
Acq: 7 Mar 2019 4:49

Instrument :
BNA_F
ClientSampleId :
PST-028-B101-022719

Tgt Ion: 264 Resp: 531498

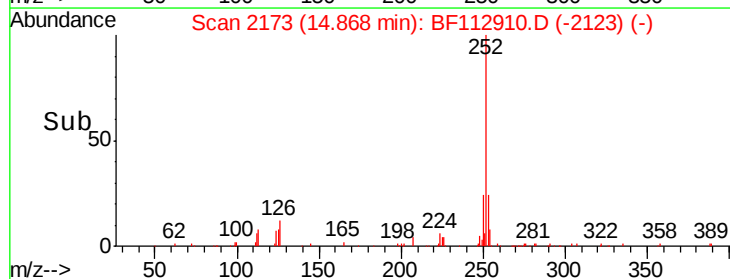
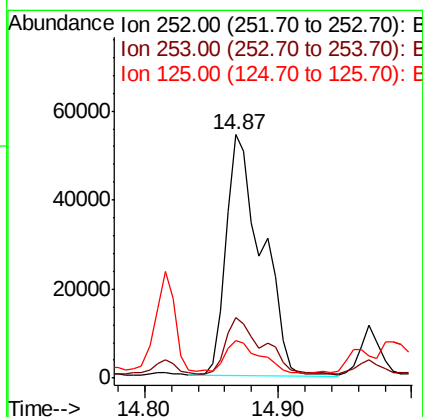
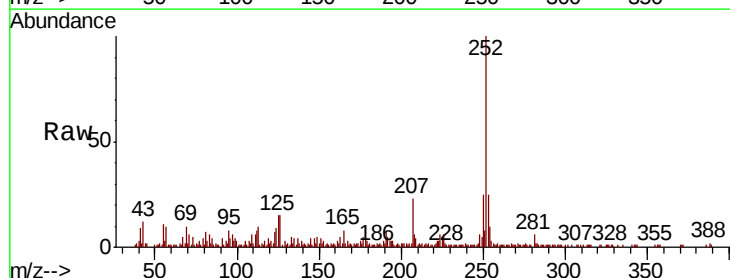
Ion	Ratio	Lower	Upper
264	100		
260	24.3	18.7	28.1
265	22.1	17.2	25.8

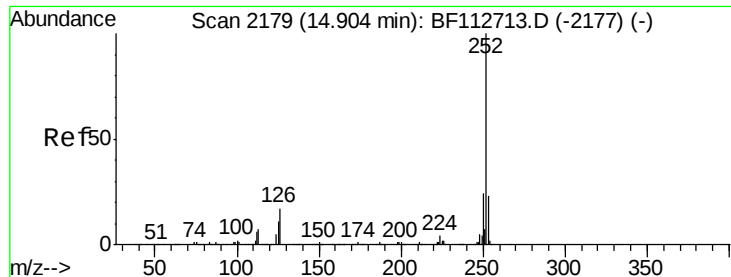


#88
Benzo(b)fluoranthene
Concen: 2.930 ng
RT: 14.87 min Scan# 2173
Delta R.T. -0.01 min
Lab File: BF112910.D
Acq: 7 Mar 2019 4:49

Tgt Ion: 252 Resp: 100735

Ion	Ratio	Lower	Upper
252	100		
253	25.1	18.0	27.0
125	15.2	10.2	15.2





#89
 Benzo(k)fluoranthene
 Concen: 3.235 ng
 RT: 14.87 min Scan# 2173
 Delta R.T. -0.04 min
 Lab File: BF112910.D
 Acq: 7 Mar 2019 4:49

Instrument :
 BNA_F
 ClientSampleId :
 PST-028-B101-022719

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.1	18.2	27.2
125	15.2	9.8	14.6

