

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF030719\
 Data File : BF112934.D
 Acq On : 7 Mar 2019 21:07
 Operator : JU/SJ
 Sample : K1757-11
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

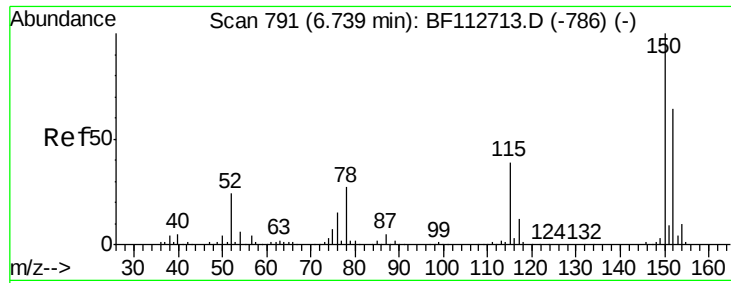
Quant Time: Mar 08 00:21:40 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 01 15:40:43 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	155658	20.00	ng	-0.01
21) Naphthalene-d8	8.01	136	567983	20.00	ng	-0.01
39) Acenaphthene-d10	9.76	164	293216	20.00	ng	-0.01
64) Phenanthrene-d10	11.23	188	586525	20.00	ng	-0.01
76) Chrysene-d12	13.86	240	394514	20.00	ng	-0.02
87) Perylene-d12	15.26	264	416060	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.33	112	878722	87.81	ng	-0.01
7) Phenol-d6	6.36	99	1163335	92.55	ng	0.00
23) Nitrobenzene-d5	7.29	82	684440	72.11	ng	-0.02
42) 2,4,6-Tribromophenol	10.55	330	354830	113.99	ng	-0.01
45) 2-Fluorobiphenyl	9.09	172	1265125	67.77	ng	-0.01
79) Terphenyl-d14	12.82	244	1241063	60.98	ng	-0.01

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.29	70	89690	11.266	ng	# 78
25) Isophorone	7.29	82	682383	33.370	ng	# 66
50) Dimethylphthalate	9.47	163	95270	4.407	ng	99
56) 4-Nitrophenol	9.96	139	11191	2.510	ng	# 11
57) 2,4-Dinitrotoluene	9.76	165	37410	6.685	ng	# 18
65) 4,6-Dinitro-2-methylphenol	10.55	198	759	4.897	ng	# 1
67) 4-Bromophenyl-phenylether	10.55	248	20201	3.270	ng	# 1
71) Phenanthrene	11.26	178	97530	3.342	ng	98
75) Fluoranthene	12.44	202	262956	8.411	ng	98
78) Pyrene	12.67	202	214593	6.452	ng	97
81) Benzo(a)anthracene	13.89	228	124095	4.539	ng	96
83) Chrysene	13.89	228	124095	4.633	ng	99
88) Benzo(b)fluoranthene	14.87	252	239662	8.905	ng	98
89) Benzo(k)fluoranthene	14.87	252	239662	9.832	ng	98
90) Benzo(a)pyrene	15.20	252	96552	4.056	ng	99
92) Benzo(g,h,i)perylene	17.02	276	55345	2.713	ng	96

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

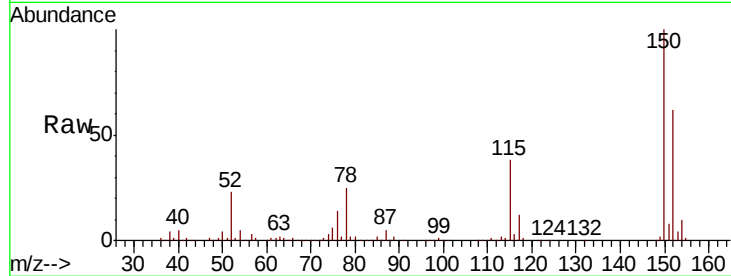


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 789
Delta R.T. -0.01 min
Lab File: BF112934.D
Acq: 7 Mar 2019 21:07

Instrument :
BNA_F
ClientSampleId :

Tgt Ion	Ratio	Lower	Upper
152	100		
150	160.2	124.2	186.2
115	61.5	48.2	72.4

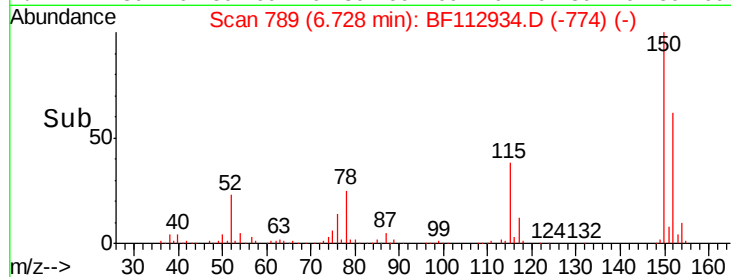
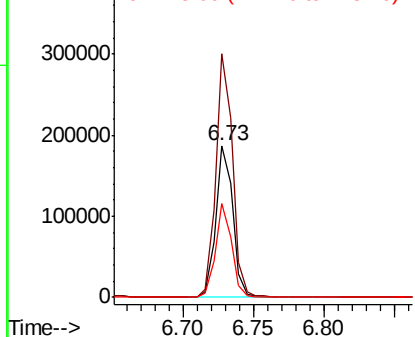


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

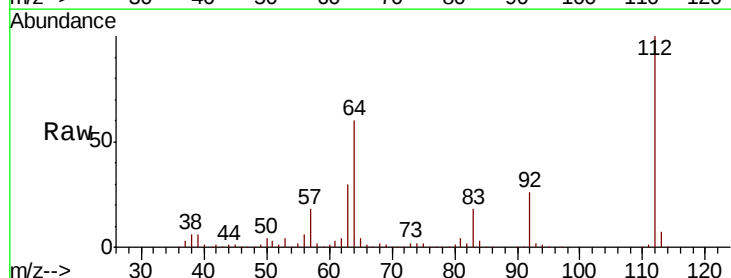
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 87.814 ng
RT: 5.33 min Scan# 552
Delta R.T. -0.01 min
Lab File: BF112934.D
Acq: 7 Mar 2019 21:07

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.1	47.6	71.4
63	30.4	24.4	36.6

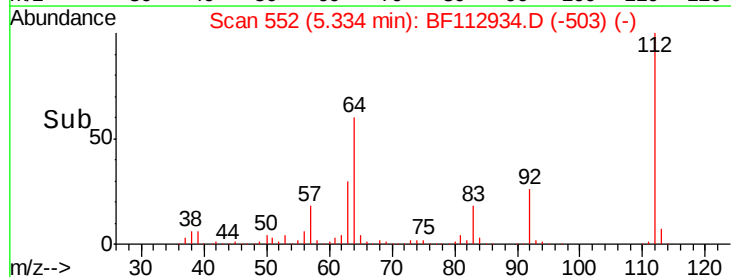
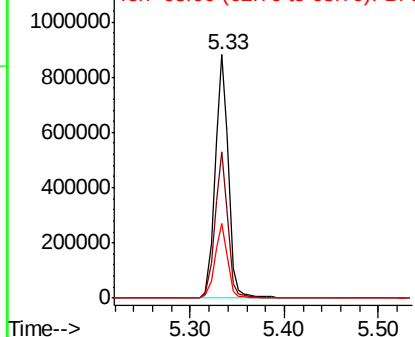


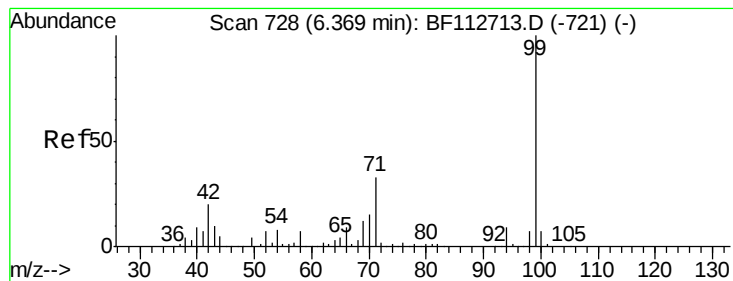
Abundance

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: 92.548 ng

RT: 6.36 min Scan# 727

Delta R.T. -0.01 min

Lab File: BF112934.D

Acq: 7 Mar 2019 21:07

Instrument :

BNA_F

ClientSampled :

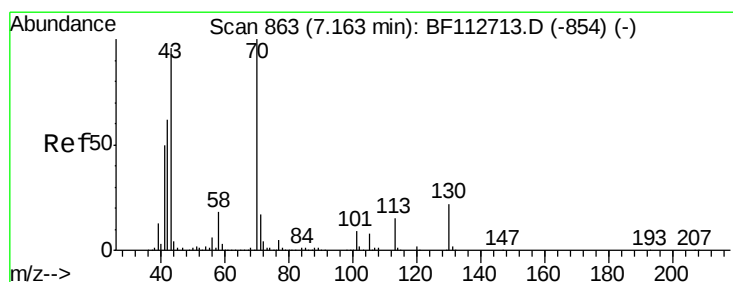
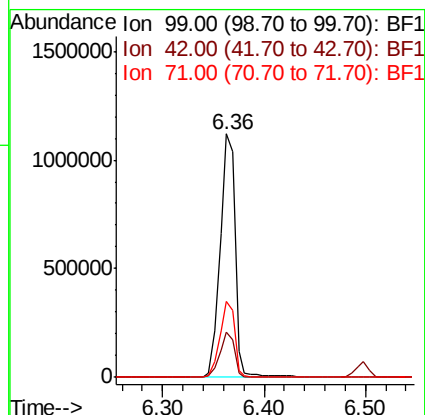
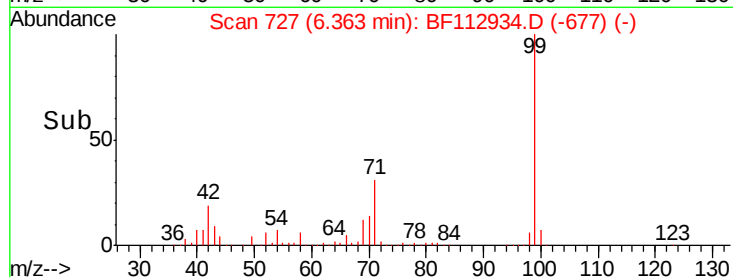
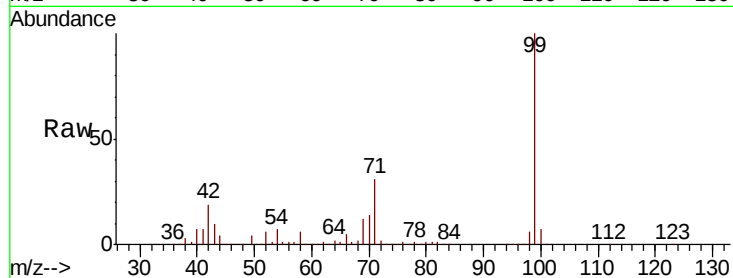
Tgt Ion: 99 Resp: 1163335

Ion Ratio Lower Upper

99 100

42 18.6 16.3 24.5

71 31.3 26.2 39.4



#19

n-Nitroso-di-n-propylamine

Concen: 11.266 ng

RT: 7.29 min Scan# 884

Delta R.T. 0.12 min

Lab File: BF112934.D

Acq: 7 Mar 2019 21:07

Tgt Ion: 70 Resp: 89690

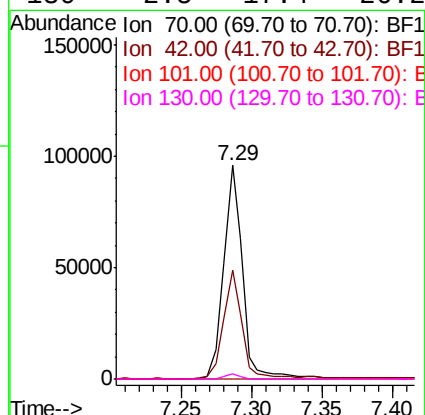
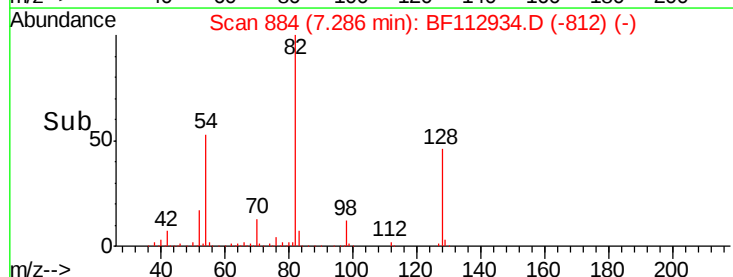
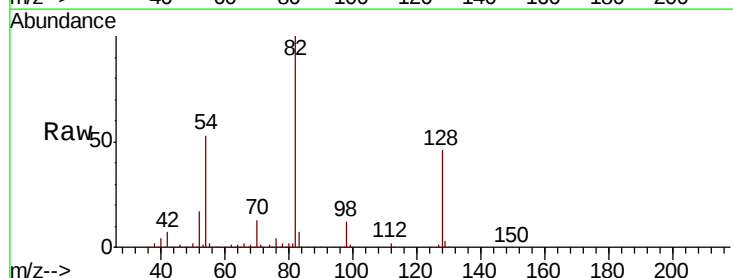
Ion Ratio Lower Upper

70 100

42 51.2 49.9 74.9

101 0.0 7.4 11.2#

130 2.5 17.4 26.2#

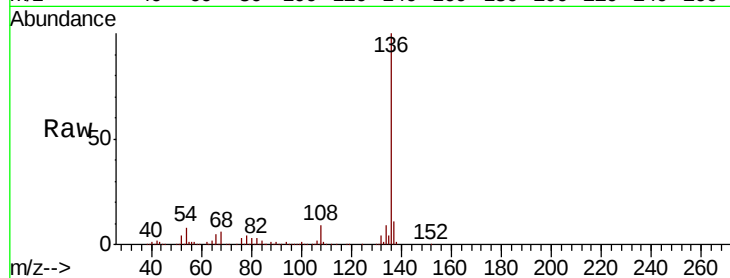




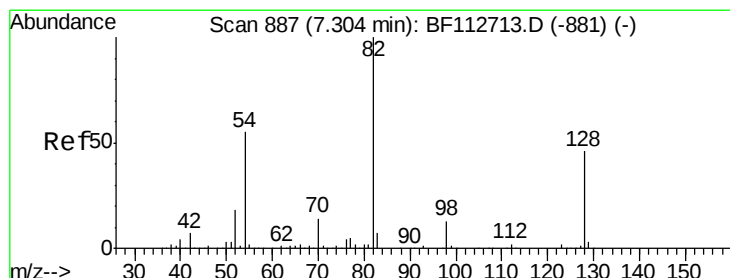
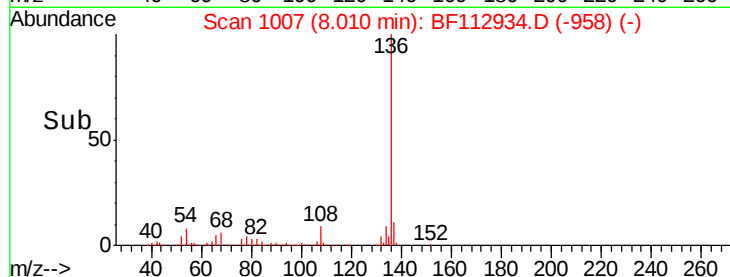
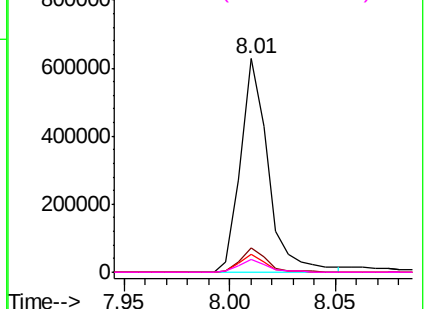
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.01 min Scan# 1007
Delta R.T. -0.01 min
Lab File: BF112934.D
Acq: 7 Mar 2019 21:07

Instrument :
BNA_F
ClientSampled :

Tgt Ion:	136	Resp:	567983
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.9	13.3
54	8.4	7.3	10.9
68	6.2	5.4	8.2

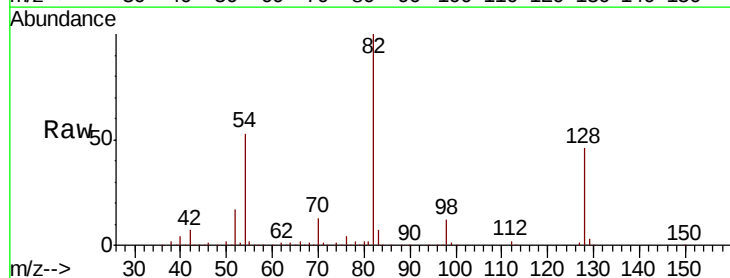


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

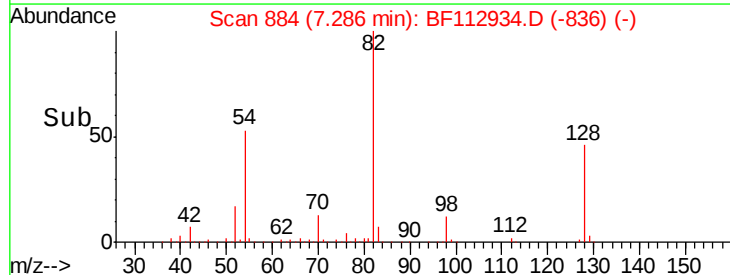
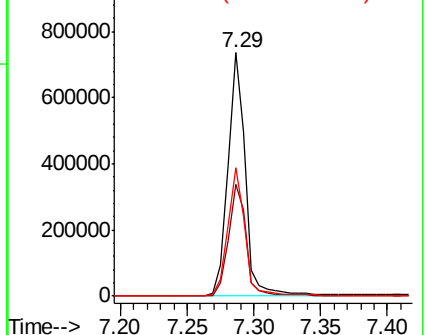


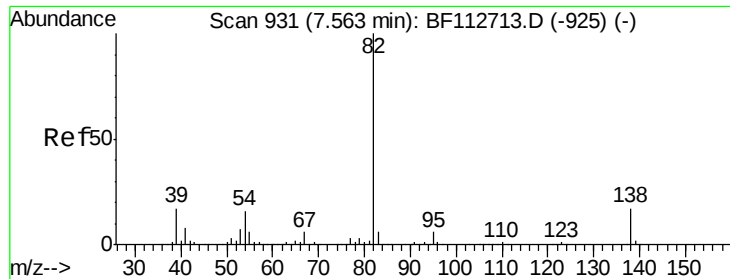
#23
Nitrobenzene-d5
Concen: 72.107 ng
RT: 7.29 min Scan# 884
Delta R.T. -0.02 min
Lab File: BF112934.D
Acq: 7 Mar 2019 21:07

Tgt Ion:	82	Resp:	684440
Ion	Ratio	Lower	Upper
82	100		
128	46.1	36.3	54.5
54	52.6	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: 33.370 ng

RT: 7.29 min Scan# 884

Delta R.T. -0.28 min

Lab File: BF112934.D

Acq: 7 Mar 2019 21:07

Instrument :

BNA_F

ClientSampled :

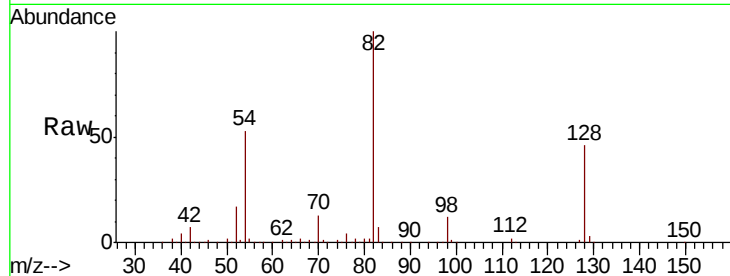
Tgt Ion: 82 Resp: 682383

Ion Ratio Lower Upper

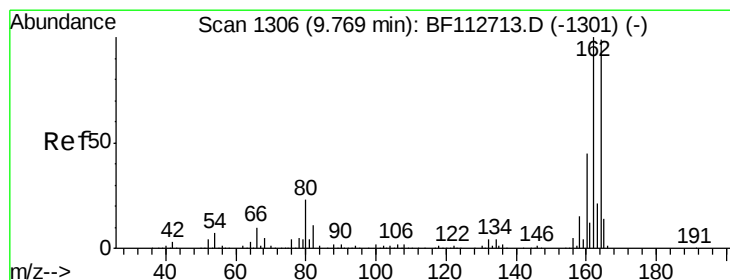
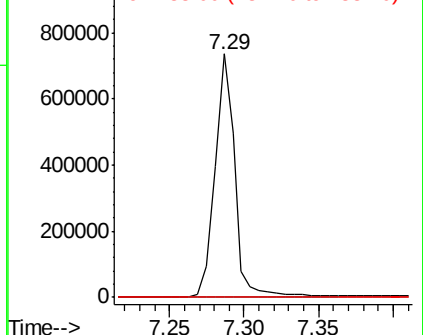
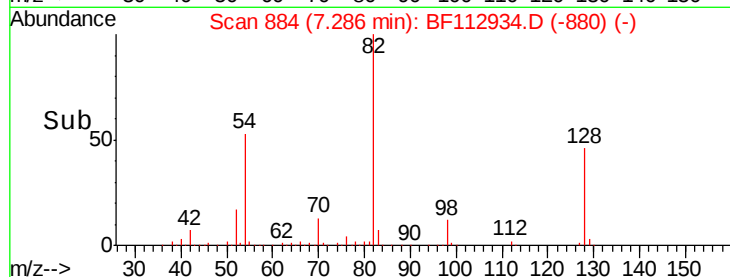
82 100

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: BF112934.D

Acq: 7 Mar 2019 21:07

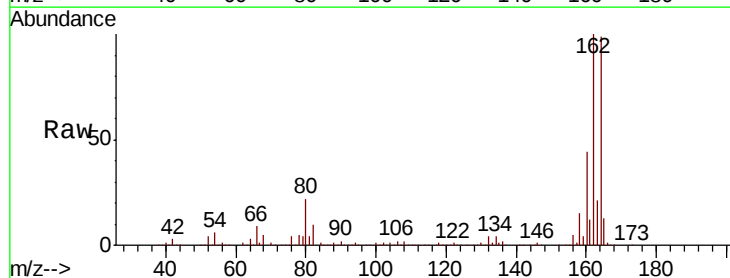
Tgt Ion: 164 Resp: 293216

Ion Ratio Lower Upper

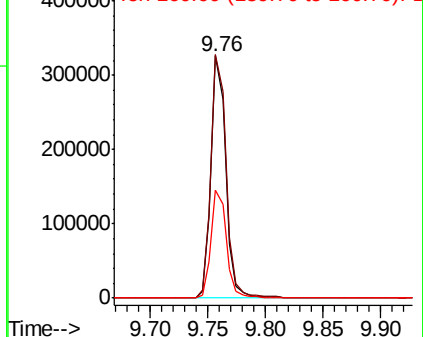
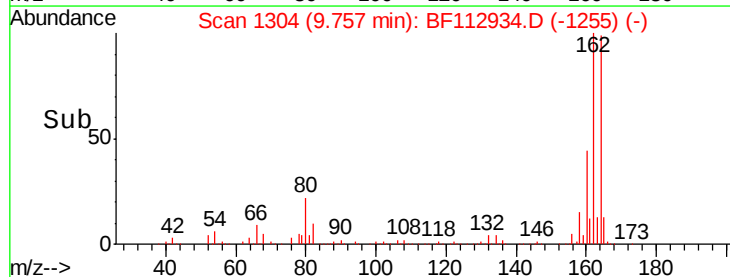
164 100

162 100.5 80.6 120.8

160 44.4 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

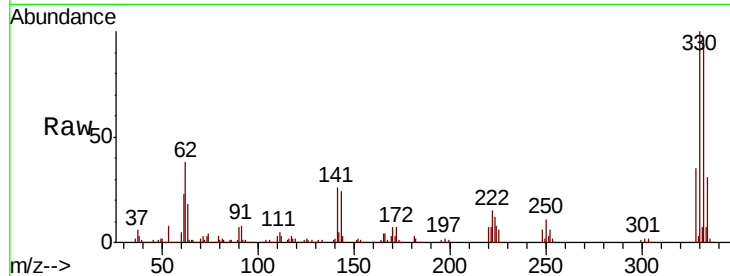




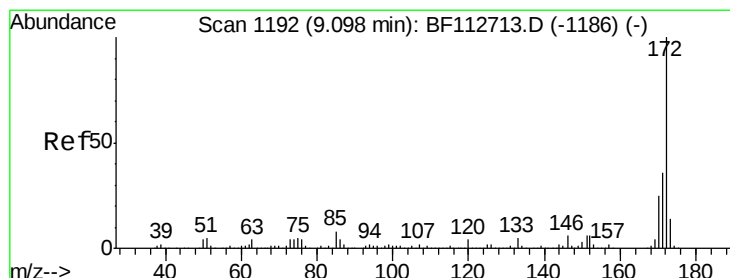
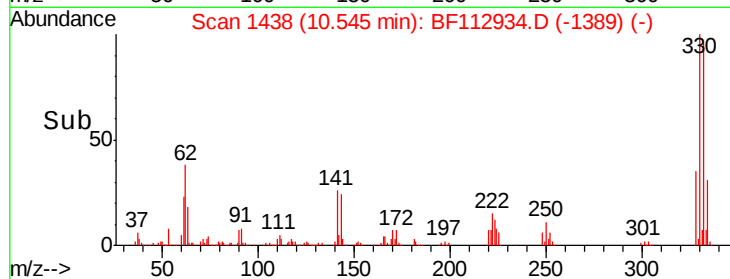
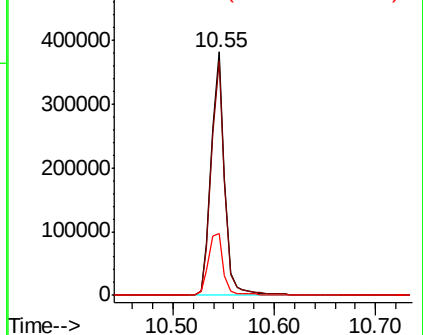
#42
 2,4,6-Tribromophenol
 Concen: 113.989 ng
 RT: 10.55 min Scan# 1438
 Delta R.T. -0.01 min
 Lab File: BF112934.D
 Acq: 7 Mar 2019 21:07

Instrument :
 BNA_F
 ClientSampled :

Tgt Ion:330 Resp: 354830
 Ion Ratio Lower Upper
 330 100
 332 96.9 76.2 114.4
 141 28.2 27.0 40.6

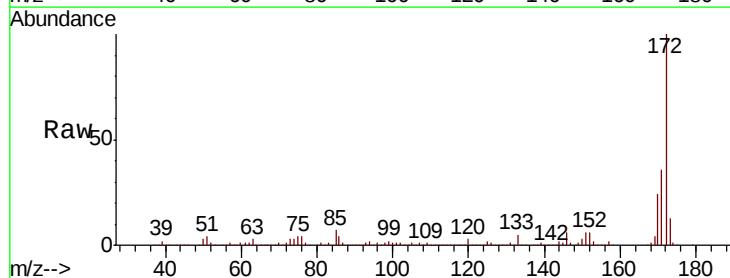


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

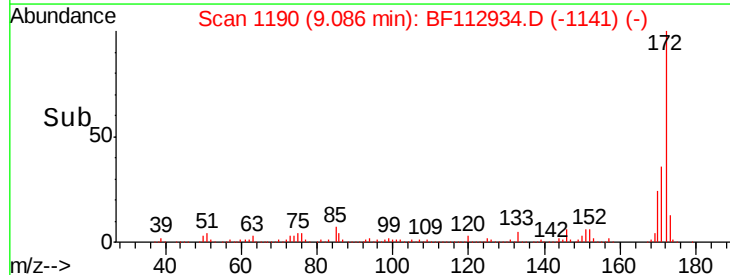
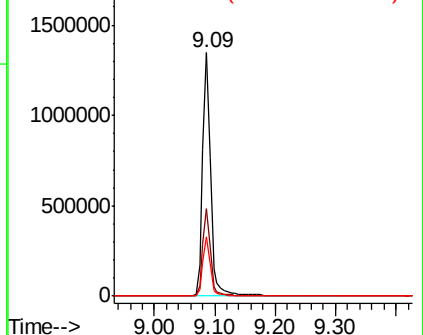


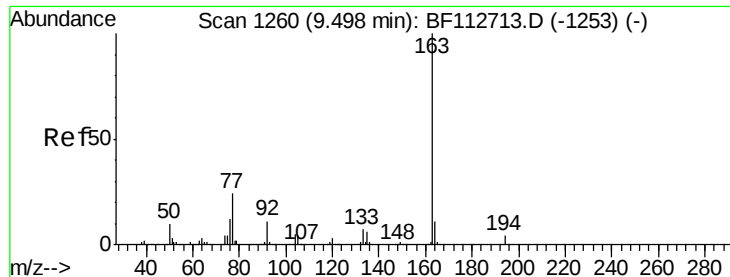
#45
 2-Fluorobiphenyl
 Concen: 67.766 ng
 RT: 9.09 min Scan# 1190
 Delta R.T. -0.01 min
 Lab File: BF112934.D
 Acq: 7 Mar 2019 21:07

Tgt Ion:172 Resp: 1265125
 Ion Ratio Lower Upper
 172 100
 171 35.7 29.0 43.4
 170 24.4 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

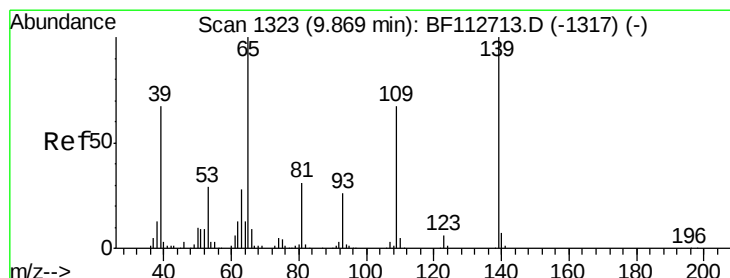
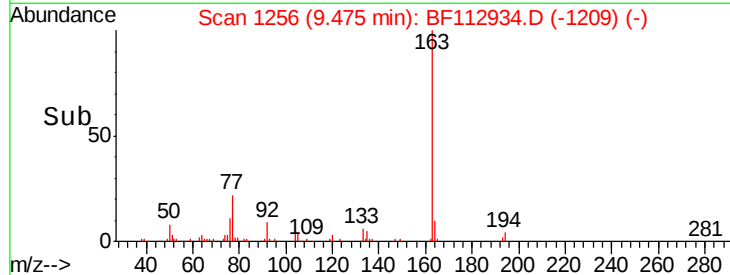
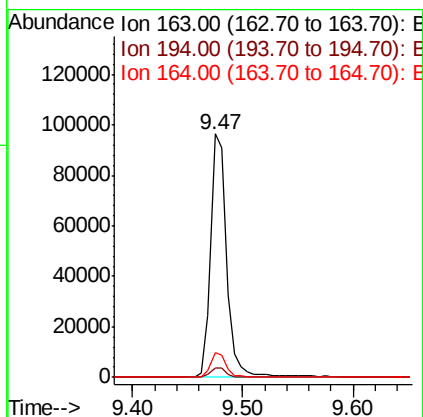
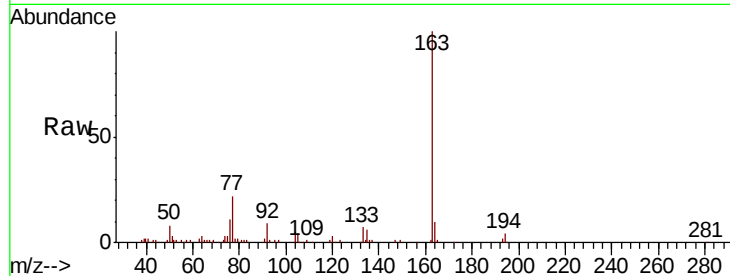




#50
Dimethylphthalate
Concen: 4.407 ng
RT: 9.47 min Scan# 1256
Delta R.T. -0.02 min
Lab File: BF112934.D
Acq: 7 Mar 2019 21:07

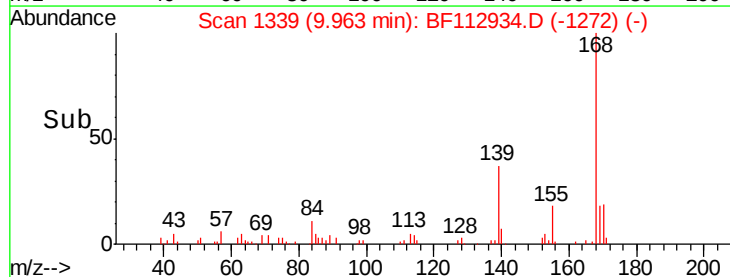
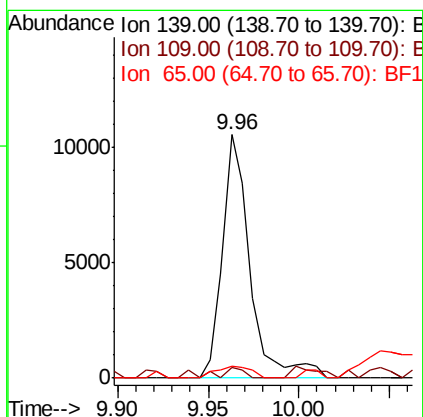
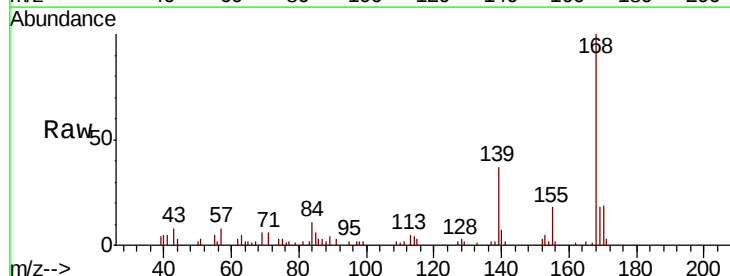
Instrument :
BNA_F
ClientSampleId :

Tgt Ion:163 Resp: 95270
Ion Ratio Lower Upper
163 100
194 3.9 3.0 4.4
164 10.3 8.4 12.6



#56
4-Nitrophenol
Concen: 2.510 ng
RT: 9.96 min Scan# 1339
Delta R.T. 0.09 min
Lab File: BF112934.D
Acq: 7 Mar 2019 21:07

Tgt Ion:139 Resp: 11191
Ion Ratio Lower Upper
139 100
109 4.4 46.8 86.8#
65 4.7 80.7 120.7#

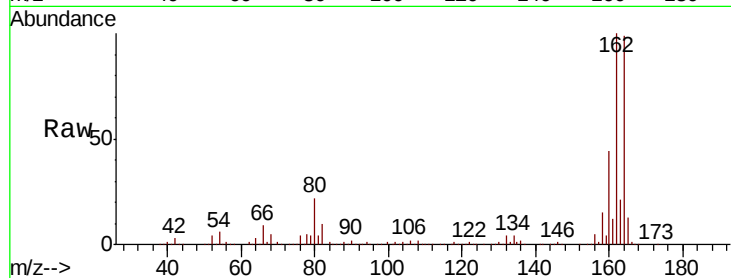




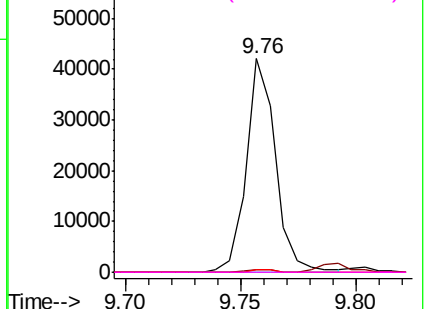
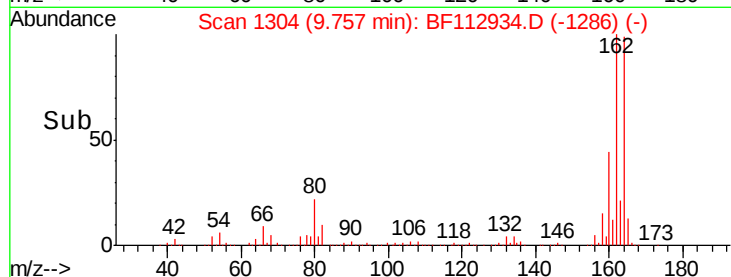
#57
 2,4-Dinitrotoluene
 Concen: 6.685 ng
 RT: 9.76 min Scan# 1304
 Delta R.T. -0.19 min
 Lab File: BF112934.D
 Acq: 7 Mar 2019 21:07

Instrument :
 BNA_F
 ClientSampleId :

Tgt Ion:165 Resp: 37410
 Ion Ratio Lower Upper
 165 100
 63 1.5 42.2 63.2#
 89 1.3 66.2 99.4#
 182 0.0 1.8 2.6#

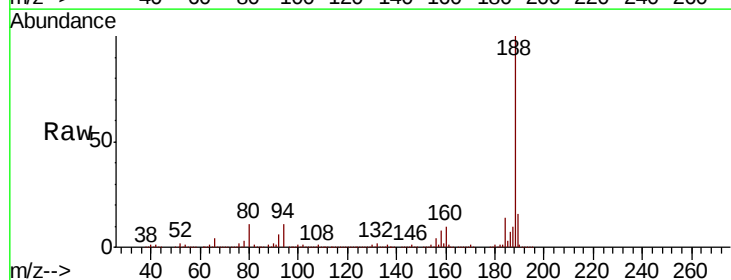


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1
 Ion 182.00 (181.70 to 182.70): E

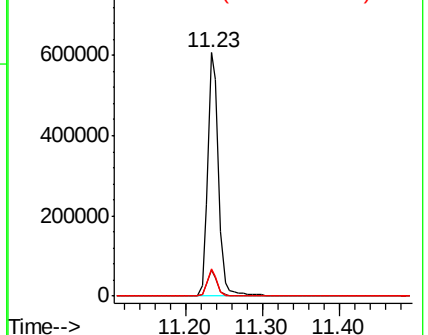
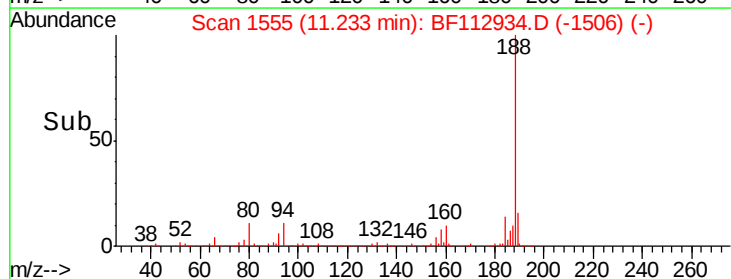


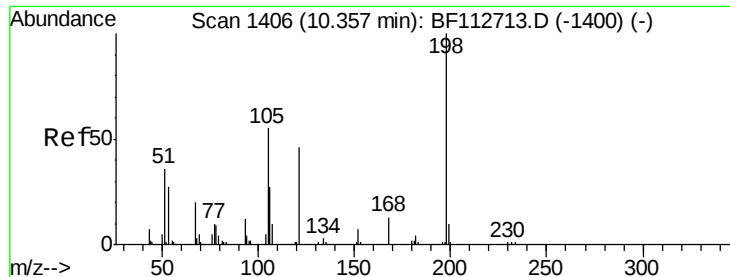
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.23 min Scan# 1555
 Delta R.T. -0.01 min
 Lab File: BF112934.D
 Acq: 7 Mar 2019 21:07

Tgt Ion:188 Resp: 586525
 Ion Ratio Lower Upper
 188 100
 94 10.8 9.0 13.4
 80 11.3 9.2 13.8



Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF1
 Ion 80.00 (79.70 to 80.70): BF1

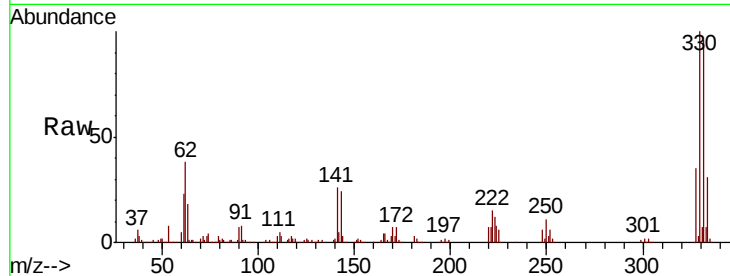




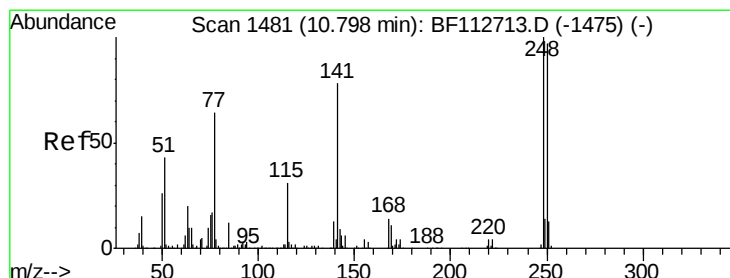
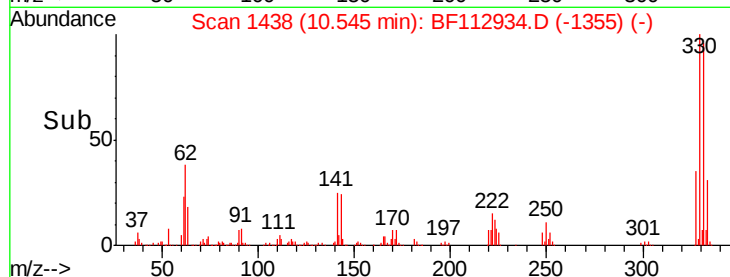
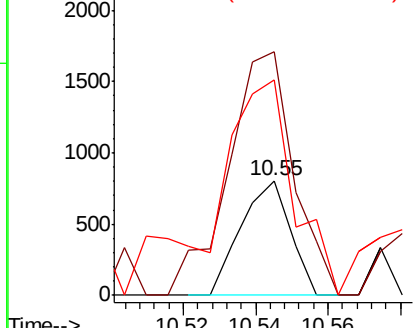
#65
 4,6-Dinitro-2-methylphenol
 Concen: 4.897 ng
 RT: 10.55 min Scan# 1438
 Delta R.T. 0.19 min
 Lab File: BF112934.D
 Acq: 7 Mar 2019 21:07

Instrument :
 BNA_F
 ClientSampleId :

Tgt Ion:198 Resp: 759
 Ion Ratio Lower Upper
 198 100
 51 212.4 43.8 83.8#
 105 188.4 36.5 76.5#

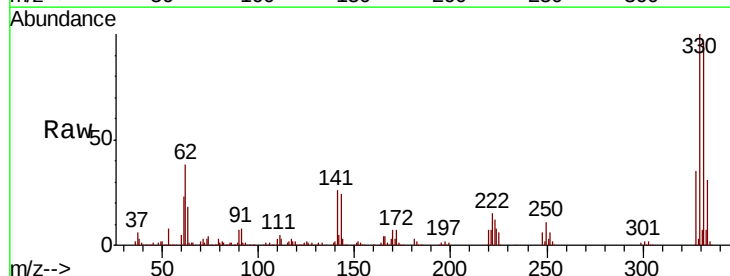


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

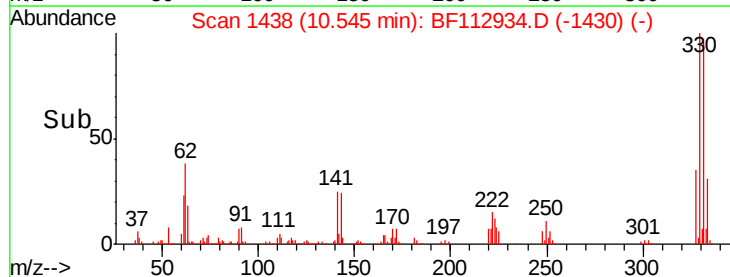
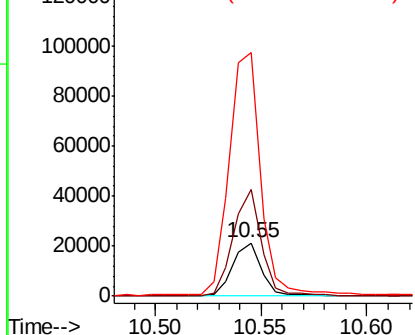


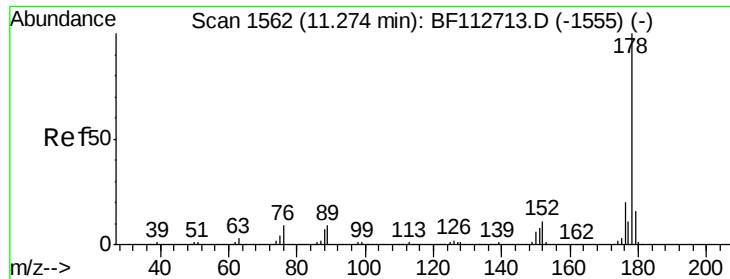
#67
 4-Bromophenyl-phenylether
 Concen: 3.270 ng
 RT: 10.55 min Scan# 1438
 Delta R.T. -0.25 min
 Lab File: BF112934.D
 Acq: 7 Mar 2019 21:07

Tgt Ion:248 Resp: 20201
 Ion Ratio Lower Upper
 248 100
 250 200.4 77.5 116.3#
 141 458.9 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

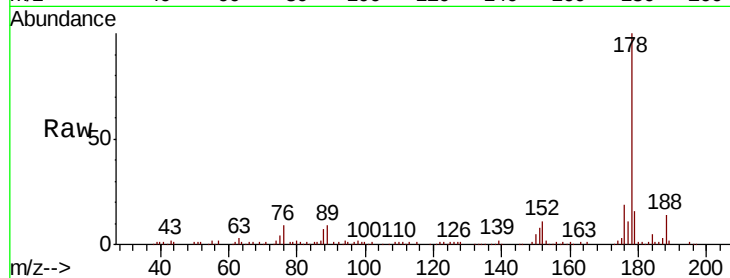




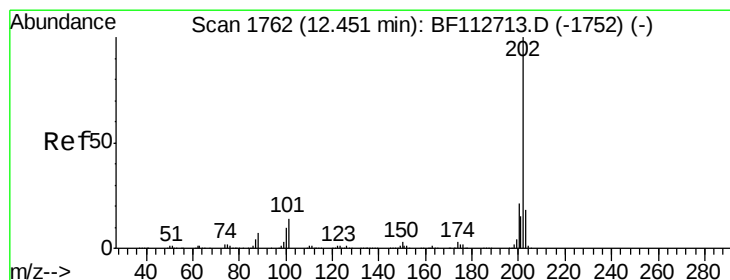
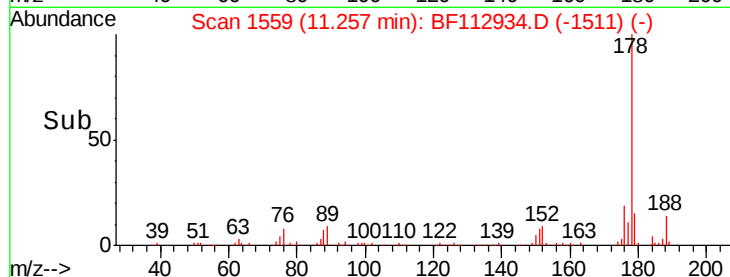
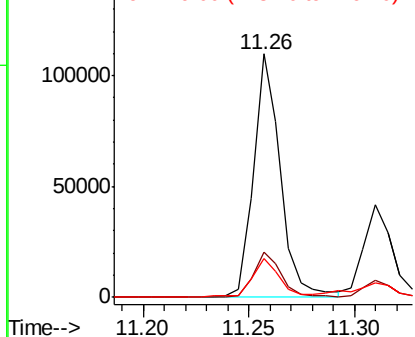
#71
Phenanthrene
Concen: 3.342 ng
RT: 11.26 min Scan# 1559
Delta R.T. -0.02 min
Lab File: BF112934.D
Acq: 7 Mar 2019 21:07

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:178 Resp: 97530
Ion Ratio Lower Upper
178 100
176 18.7 16.3 24.5
179 15.9 12.7 19.1

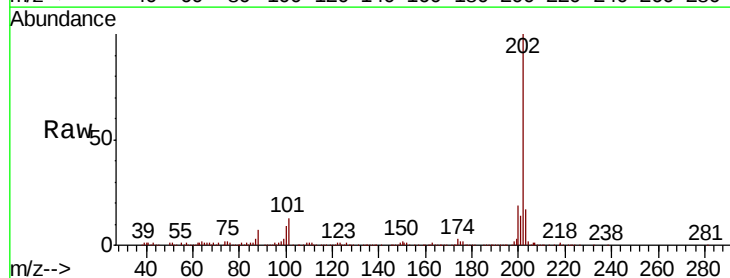


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

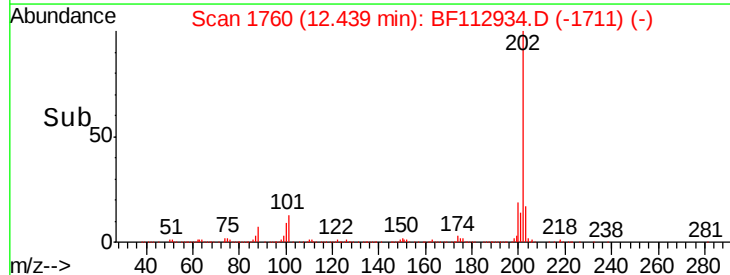
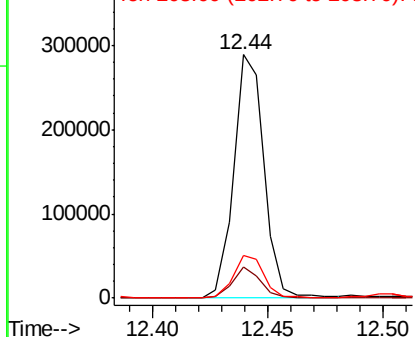


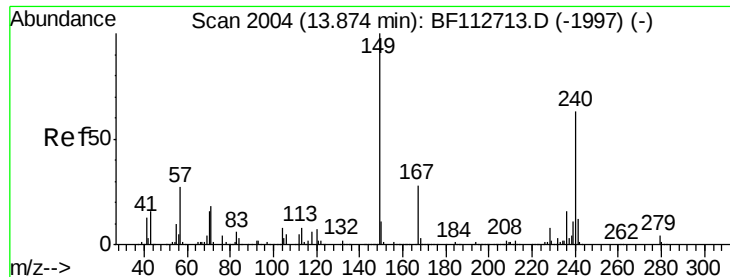
#75
Fluoranthene
Concen: 8.411 ng
RT: 12.44 min Scan# 1760
Delta R.T. -0.01 min
Lab File: BF112934.D
Acq: 7 Mar 2019 21:07

Tgt Ion:202 Resp: 262956
Ion Ratio Lower Upper
202 100
101 12.9 0.0 33.8
203 17.3 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

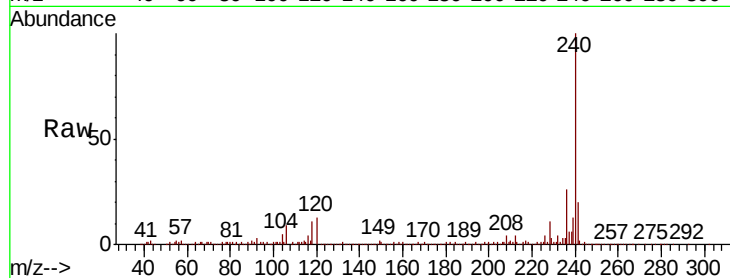




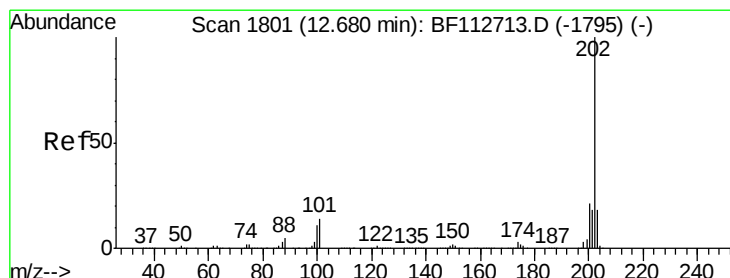
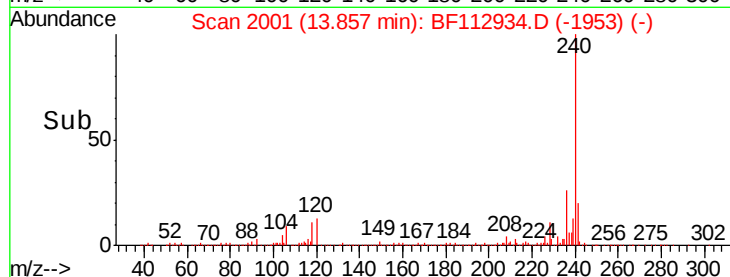
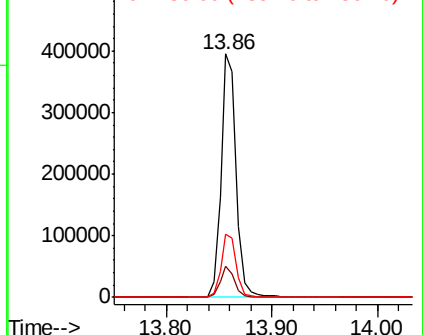
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.86 min Scan# 2001
Delta R.T. -0.02 min
Lab File: BF112934.D
Acq: 7 Mar 2019 21:07

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:240 Resp: 394514
Ion Ratio Lower Upper
240 100
120 13.0 8.9 13.3
236 26.0 20.7 31.1

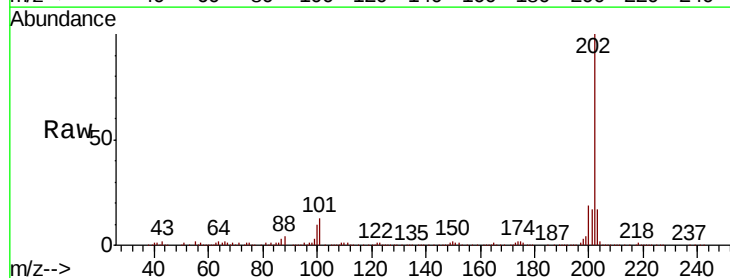


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

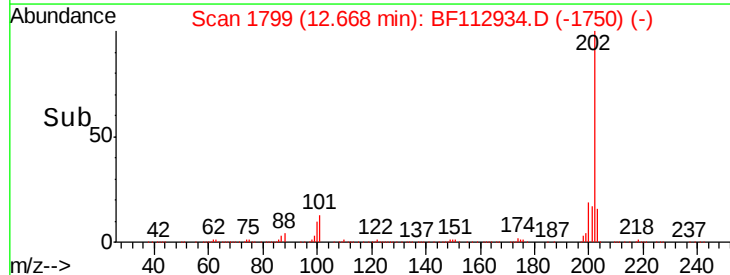
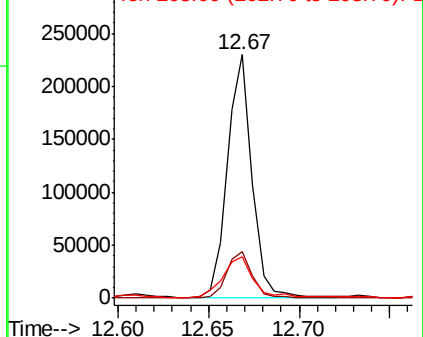


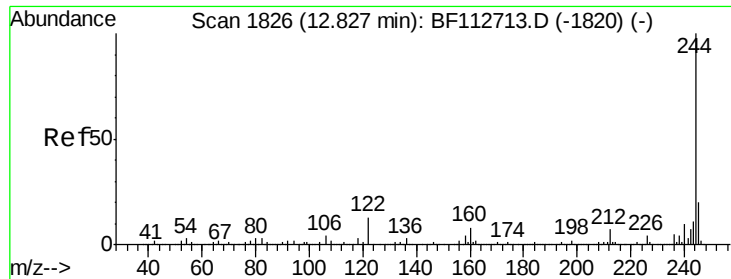
#78
Pyrene
Concen: 6.452 ng
RT: 12.67 min Scan# 1799
Delta R.T. -0.01 min
Lab File: BF112934.D
Acq: 7 Mar 2019 21:07

Tgt Ion:202 Resp: 214593
Ion Ratio Lower Upper
202 100
200 19.2 17.0 25.4
203 17.2 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

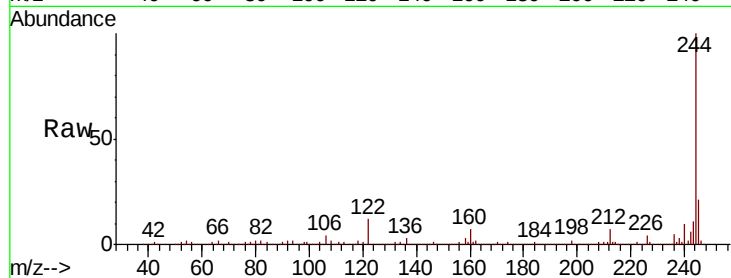




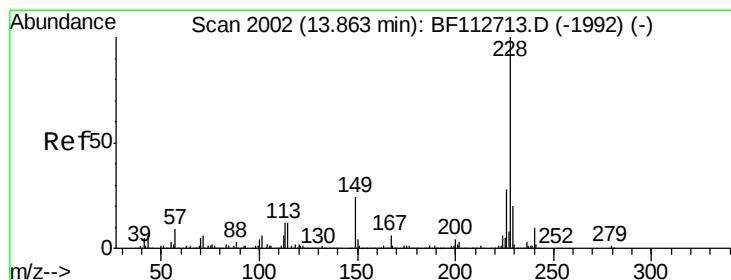
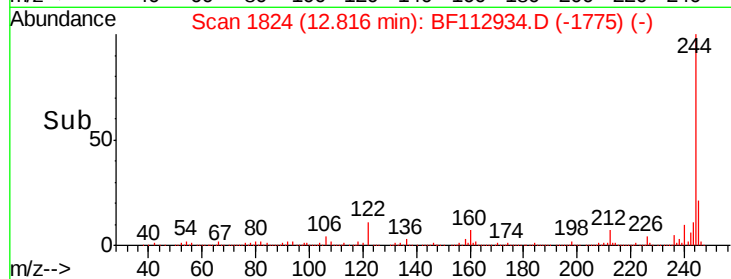
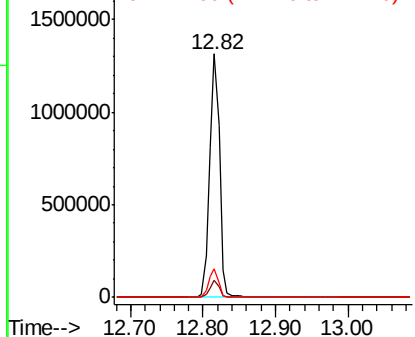
#79
 Terphenyl-d14
 Concen: 60.981 ng
 RT: 12.82 min Scan# 1824
 Delta R.T. -0.01 min
 Lab File: BF112934.D
 Acq: 7 Mar 2019 21:07

Instrument :
 BNA_F
 ClientSampleId :

Tgt Ion:244 Resp: 1241063
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.6 8.4
 122 11.5 10.5 15.7

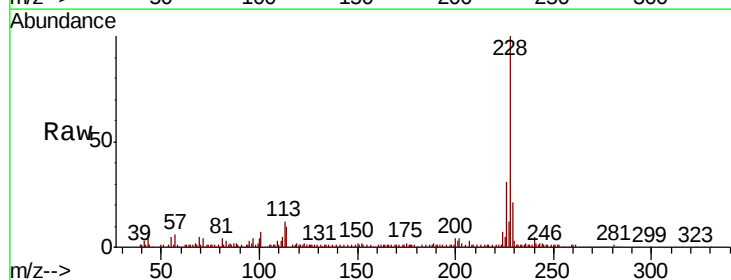


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E

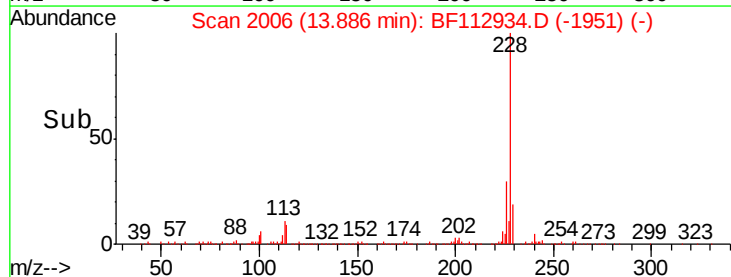
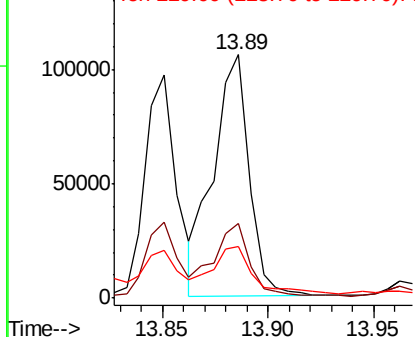


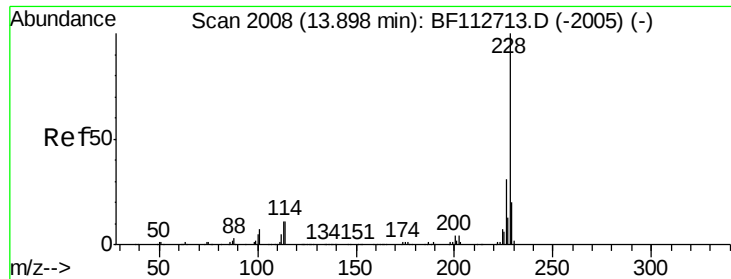
#81
 Benzo(a)anthracene
 Concen: 4.539 ng
 RT: 13.89 min Scan# 2006
 Delta R.T. 0.02 min
 Lab File: BF112934.D
 Acq: 7 Mar 2019 21:07

Tgt Ion:228 Resp: 124095
 Ion Ratio Lower Upper
 228 100
 226 30.8 22.2 33.4
 229 21.3 16.0 24.0



Abundance Ion 228.00 (227.70 to 228.70): E
 Ion 226.00 (225.70 to 226.70): E
 Ion 229.00 (228.70 to 229.70): E

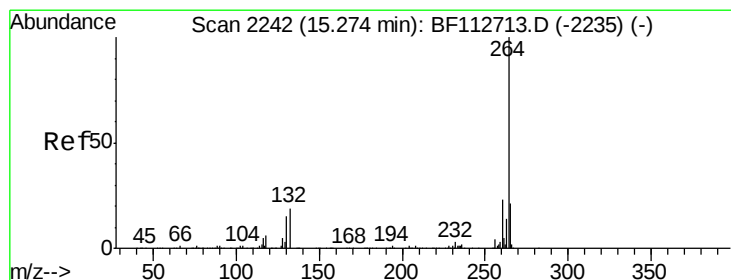
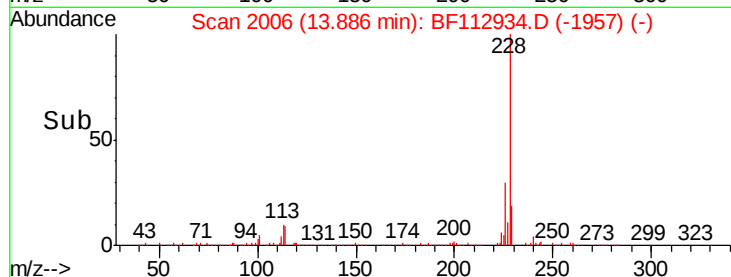
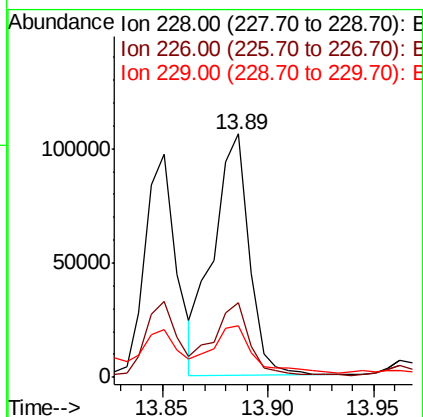
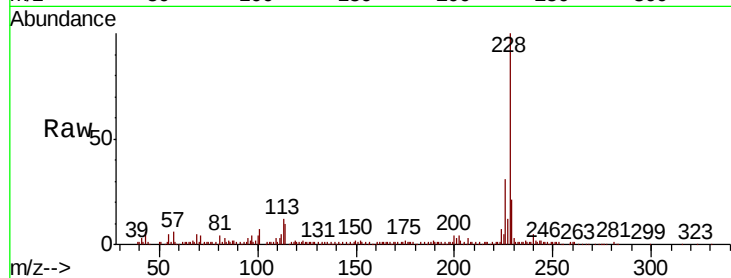




#83
Chrysene
Concen: 4.633 ng
RT: 13.89 min Scan# 2006
Delta R.T. -0.01 min
Lab File: BF112934.D
Acq: 7 Mar 2019 21:07

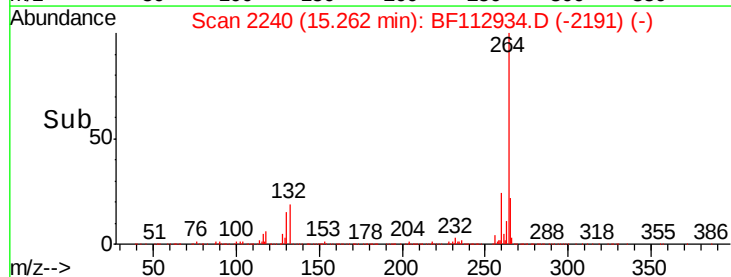
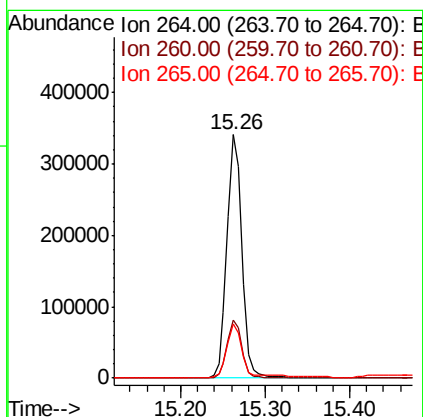
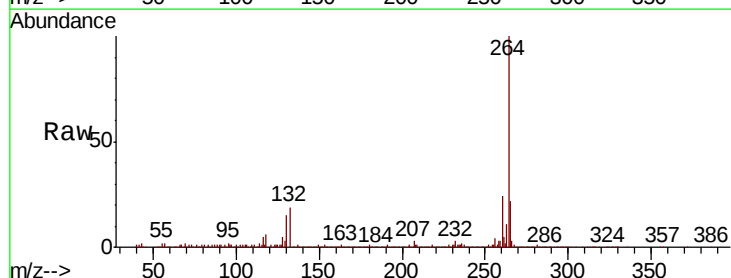
Instrument :
BNA_F
ClientSampleId :

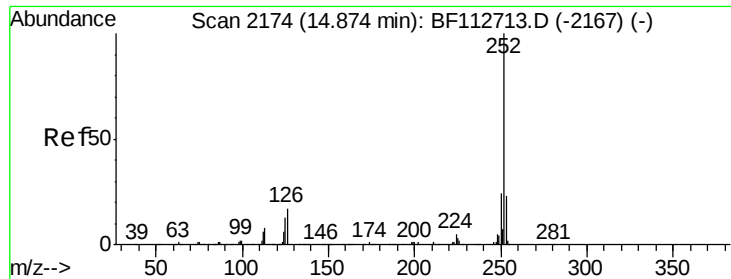
Tgt Ion: 228 Resp: 124095
Ion Ratio Lower Upper
228 100
226 30.8 24.9 37.3
229 21.3 16.3 24.5



#87
Perylene-d12
Concen: 20.000 ng
RT: 15.26 min Scan# 2240
Delta R.T. -0.01 min
Lab File: BF112934.D
Acq: 7 Mar 2019 21:07

Tgt Ion: 264 Resp: 416060
Ion Ratio Lower Upper
264 100
260 24.0 18.7 28.1
265 22.0 17.2 25.8

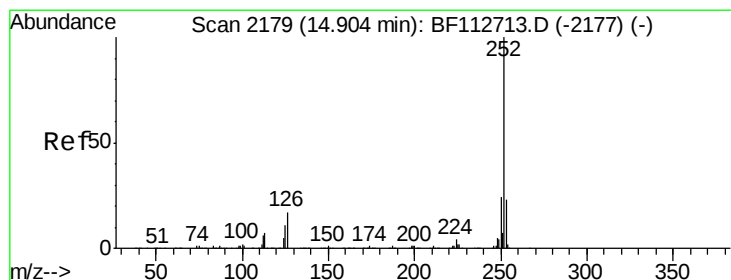
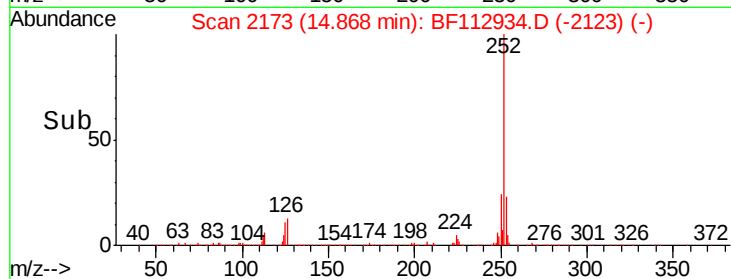
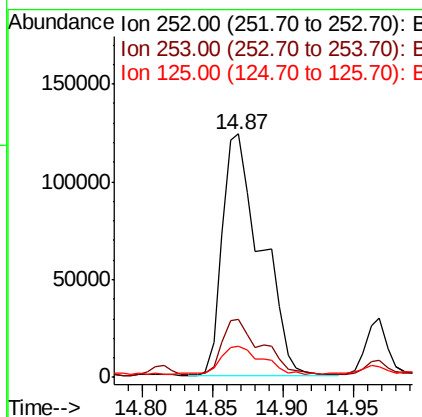
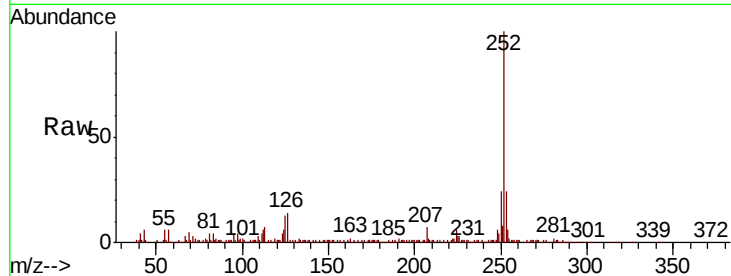




#88
Benzo(b)fluoranthene
Concen: 8.905 ng
RT: 14.87 min Scan# 2173
Delta R.T. -0.01 min
Lab File: BF112934.D
Acq: 7 Mar 2019 21:07

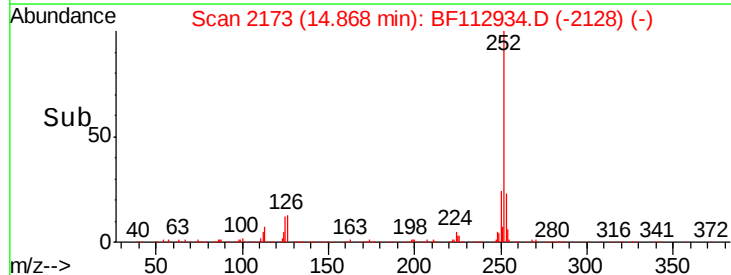
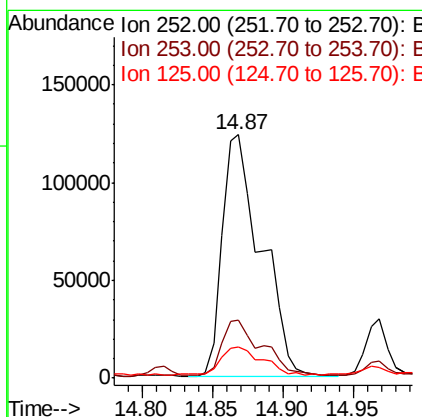
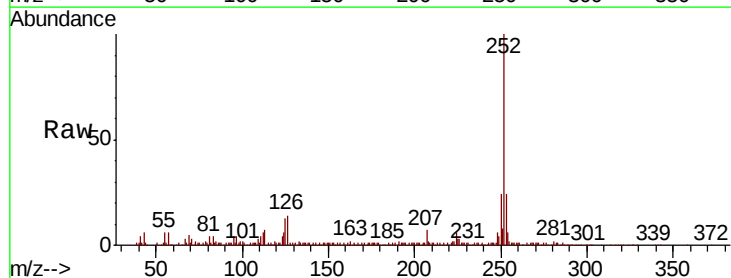
Instrument :
BNA_F
ClientSampleId :

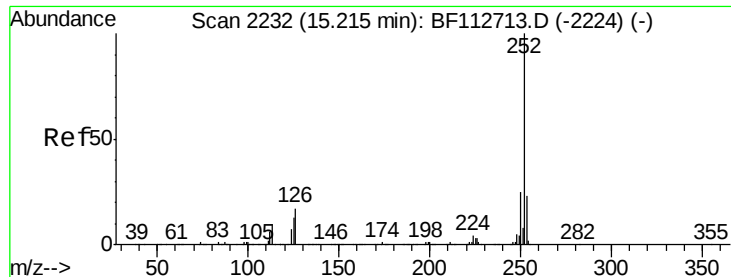
Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.7	18.0	27.0
125	12.9	10.2	15.2



#89
Benzo(k)fluoranthene
Concen: 9.832 ng
RT: 14.87 min Scan# 2173
Delta R.T. -0.04 min
Lab File: BF112934.D
Acq: 7 Mar 2019 21:07

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.7	18.2	27.2
125	12.9	9.8	14.6

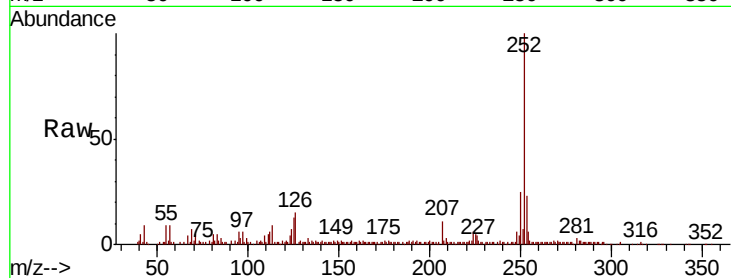




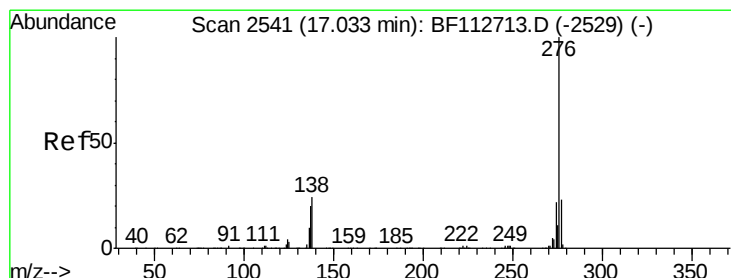
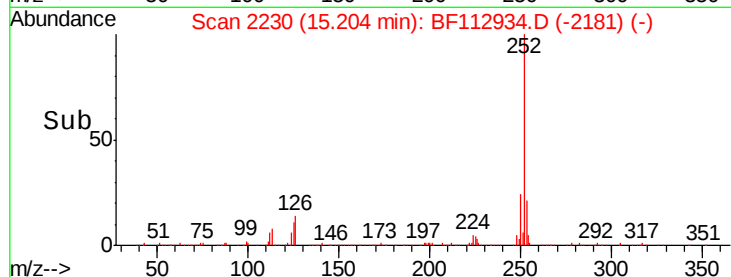
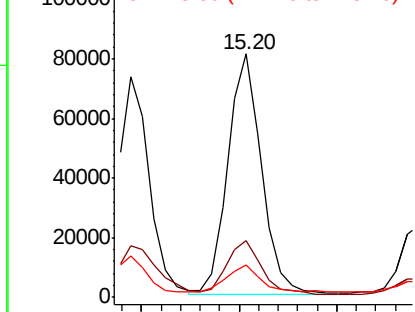
#90
Benzo(a)pyrene
Concen: 4.056 ng
RT: 15.20 min Scan# 2230
Delta R.T. -0.01 min
Lab File: BF112934.D
Acq: 7 Mar 2019 21:07

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:252 Resp: 96552
Ion Ratio Lower Upper
252 100
253 23.4 18.0 27.0
125 13.2 10.7 16.1

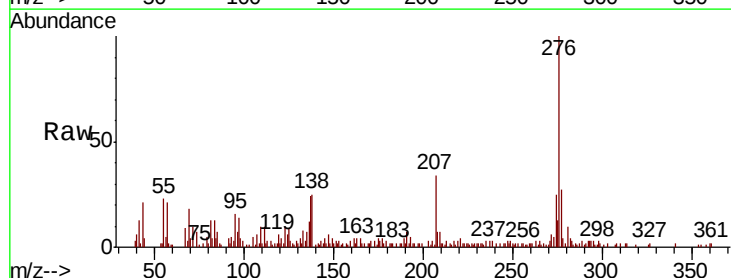


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#92
Benzo(g,h,i)perylene
Concen: 2.713 ng
RT: 17.02 min Scan# 2539
Delta R.T. -0.01 min
Lab File: BF112934.D
Acq: 7 Mar 2019 21:07

Tgt Ion:276 Resp: 55345
Ion Ratio Lower Upper
276 100
277 26.7 18.6 27.8
138 24.8 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

