

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF030119\
 Data File : BF112809.D
 Acq On : 1 Mar 2019 19:32
 Operator : JU/SJ
 Sample : K1675-11
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 Z-3-1-B

Quant Time: Mar 01 21:59:13 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	6.75	152	172867	20.00	ng	0.00
21) Naphthalene-d8	8.02	136	609011	20.00	ng	0.00
39) Acenaphthene-d10	9.77	164	247252	20.00	ng	0.00
64) Phenanthrene-d10	11.25	188	441332	20.00	ng	0.00
76) Chrysene-d12	13.87	240	467520	20.00	ng	0.00
87) Perylene-d12	15.29	264	366273	20.00	ng	0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.36	112	978092	88.01	ng	0.01
7) Phenol-d6	6.37	99	1224057	87.68	ng	0.00
23) Nitrobenzene-d5	7.30	82	718735	70.62	ng	0.00
42) 2,4,6-Tribromophenol	10.56	330	285794	108.88	ng	0.00
45) 2-Fluorobiphenyl	9.10	172	1214890	80.20	ng	0.00
79) Terphenyl-d14	12.83	244	1235800	51.24	ng	0.00

Target Compounds

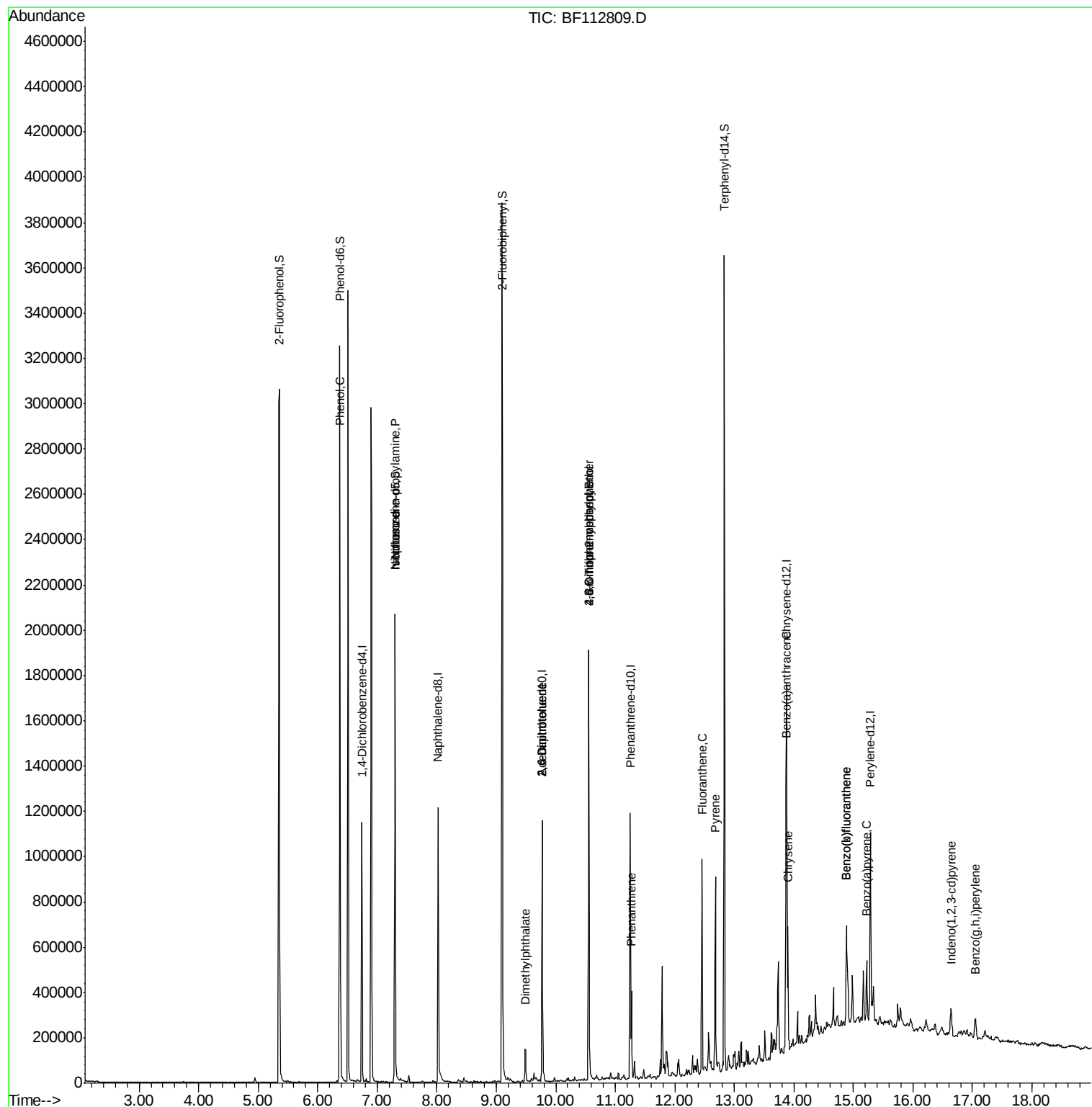
						Qvalue
10) Phenol	6.39	94	54175	3.326	ng	92
19) n-Nitroso-di-n-propylamine	7.30	70	94893	10.733	ng	# 78
25) Isophorone	7.30	82	715427	32.629	ng	# 66
50) Dimethylphthalate	9.49	163	66987	3.674	ng	96
51) 2,6-Dinitrotoluene	9.77	165	30869	8.131	ng	# 17
57) 2,4-Dinitrotoluene	9.77	165	30869	6.541	ng	# 17
65) 4,6-Dinitro-2-methylphenol	10.56	198	356	4.790	ng	# 1
67) 4-Bromophenyl-phenylether	10.56	248	16593	3.570	ng	# 1
71) Phenanthrene	11.27	178	148118	6.746	ng	98
75) Fluoranthene	12.46	202	371445	15.789	ng	96
78) Pyrene	12.68	202	349364	8.864	ng	99
81) Benzo(a)anthracene	13.86	228	208845	6.445	ng	100
83) Chrysene	13.90	228	202348	6.375	ng	97
86) Indeno(1,2,3-cd)pyrene	16.64	276	75890	2.805	ng	# 93
88) Benzo(b)fluoranthene	14.89	252	299416	12.638	ng	98
89) Benzo(k)fluoranthene	14.89	252	299416	13.952	ng	98
90) Benzo(a)pyrene	15.23	252	133538	6.372	ng	99
92) Benzo(g,h,i)perylene	17.04	276	68561	3.818	ng	96

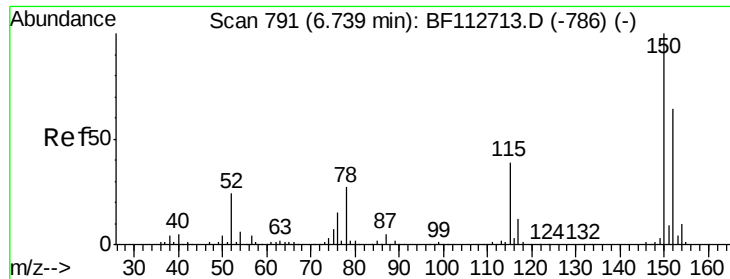
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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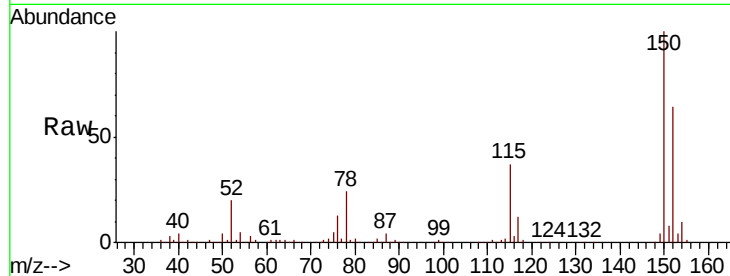


#1

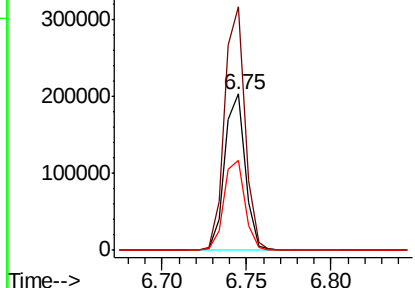
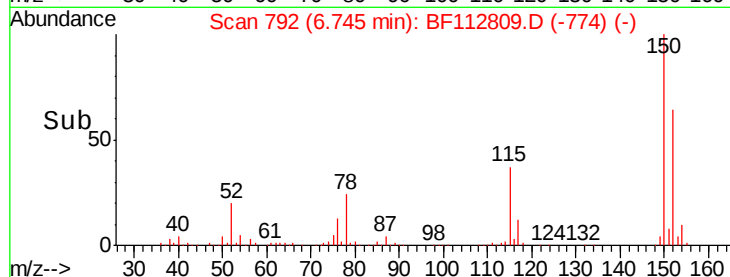
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.75 min Scan# 792
Delta R.T. 0.01 min
Lab File: BF112809.D
Acq: 1 Mar 2019 19:32

Instrument :
BNA_F
ClientSampleId :
Z-3-1-B

Tgt Ion:152 Resp: 172867
Ion Ratio Lower Upper
152 100
150 155.7 124.2 186.2
115 57.5 48.2 72.4



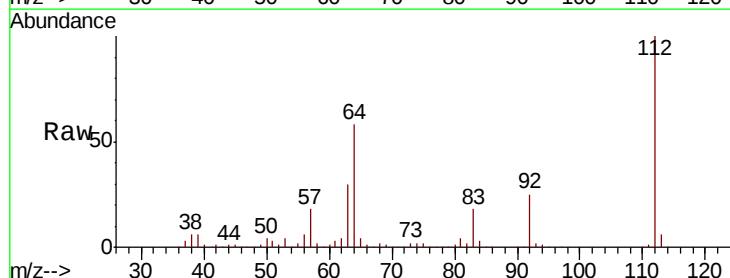
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



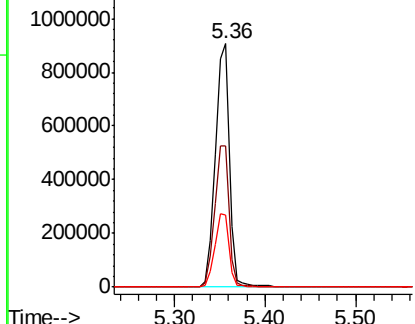
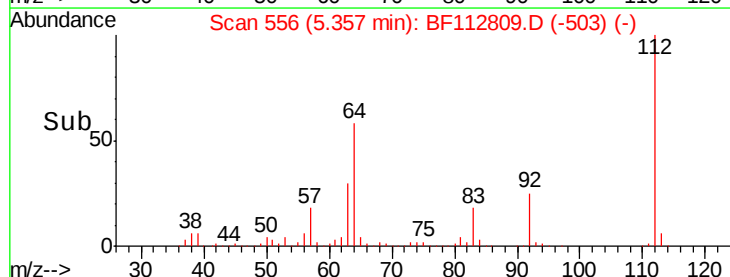
#5

2-Fluorophenol
Concen: 88.014 ng
RT: 5.36 min Scan# 556
Delta R.T. 0.01 min
Lab File: BF112809.D
Acq: 1 Mar 2019 19:32

Tgt Ion:112 Resp: 978092
Ion Ratio Lower Upper
112 100
64 58.1 47.6 71.4
63 29.7 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: 87.685 ng

RT: 6.37 min Scan# 729

Delta R.T. 0.01 min

Lab File: BF112809.D

Acq: 1 Mar 2019 19:32

Instrument :

BNA_F

ClientSampleId :

Z-3-1-B

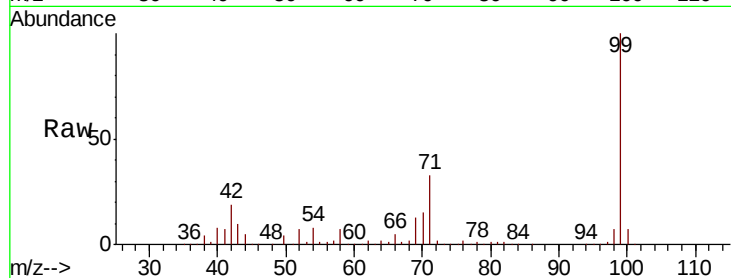
Tgt Ion: 99 Resp: 1224057

Ion Ratio Lower Upper

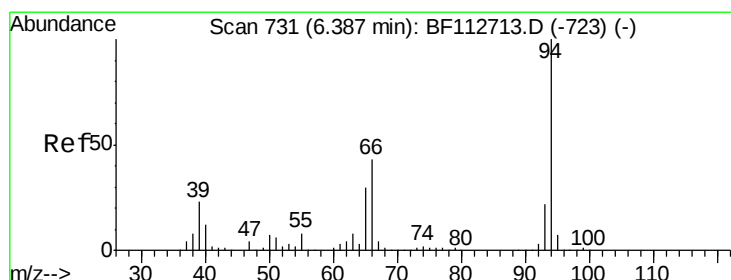
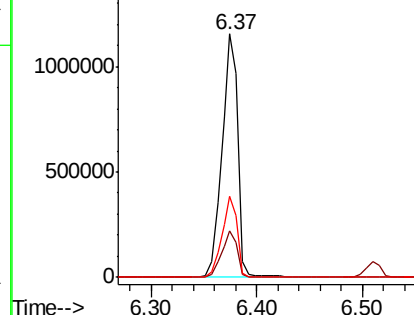
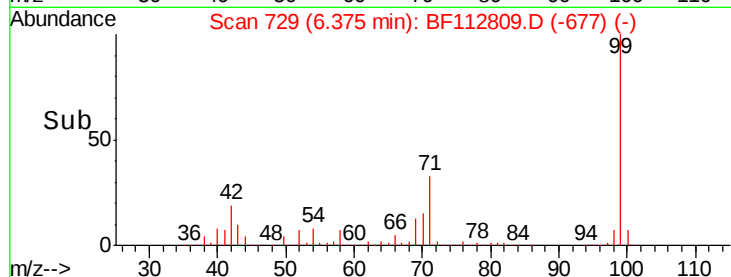
99 100

42 19.3 16.3 24.5

71 33.1 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



#10

Phenol

Concen: 3.326 ng

RT: 6.39 min Scan# 731

Delta R.T. -0.00 min

Lab File: BF112809.D

Acq: 1 Mar 2019 19:32

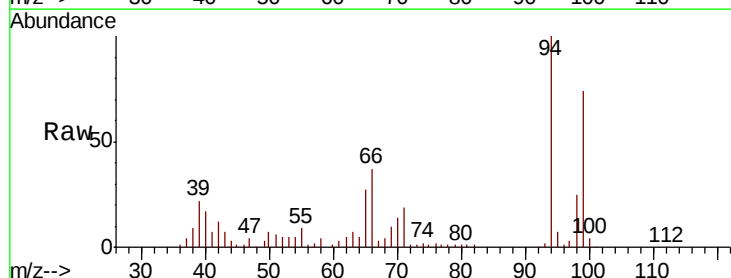
Tgt Ion: 94 Resp: 54175

Ion Ratio Lower Upper

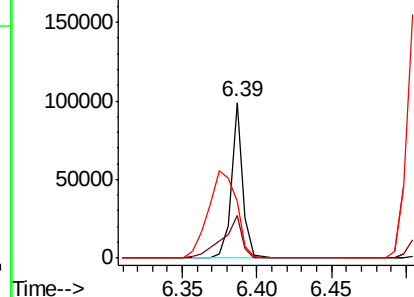
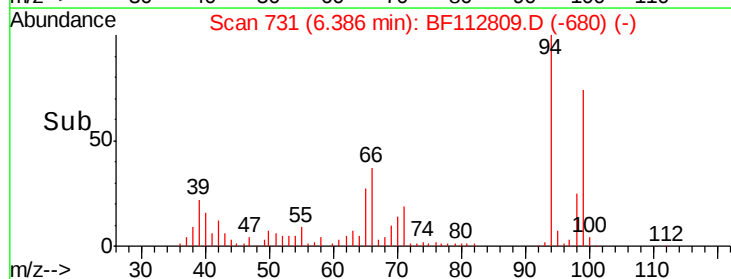
94 100

65 27.4 10.5 50.5

66 36.8 22.6 62.6



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1

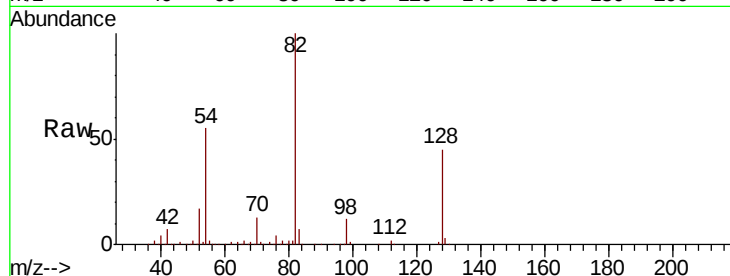




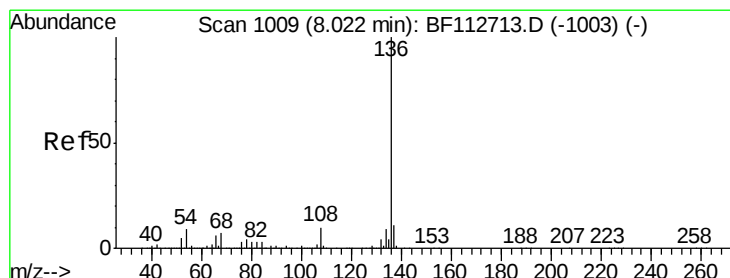
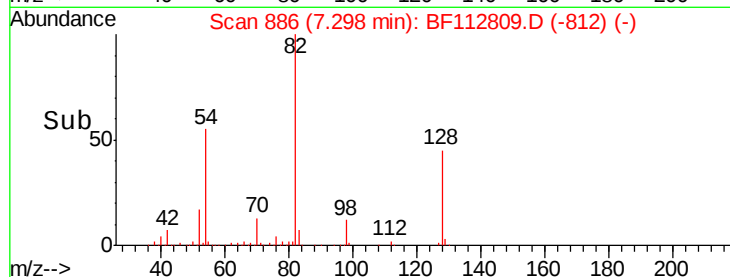
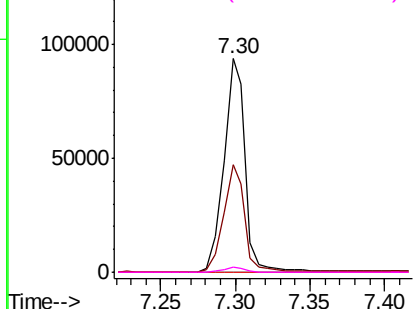
#19
n-Nitroso-di-n-propylamine
Concen: 10.733 ng
RT: 7.30 min Scan# 886
Delta R.T. 0.14 min
Lab File: BF112809.D
Acq: 1 Mar 2019 19:32

Instrument :
BNA_F
ClientSampleId :
Z-3-1-B

Tgt Ion: 70 Resp: 94893
Ion Ratio Lower Upper
70 100
42 50.4 49.9 74.9
101 0.0 7.4 11.2#
130 2.4 17.4 26.2#

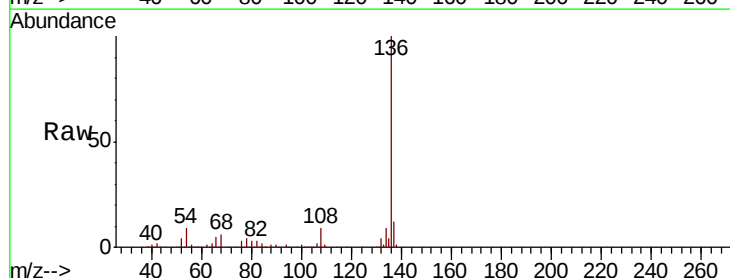


Abundance Ion 70.00 (69.70 to 70.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 101.00 (100.70 to 101.70): E
Ion 130.00 (129.70 to 130.70): E

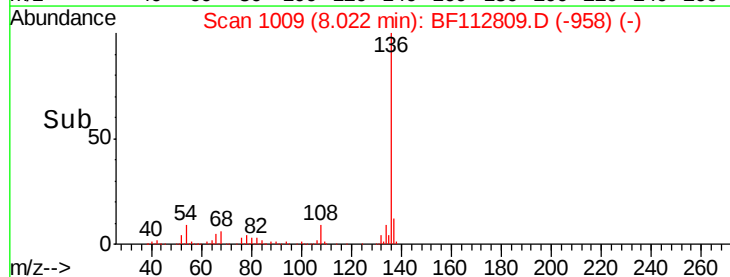
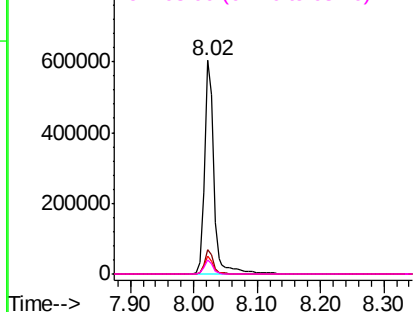


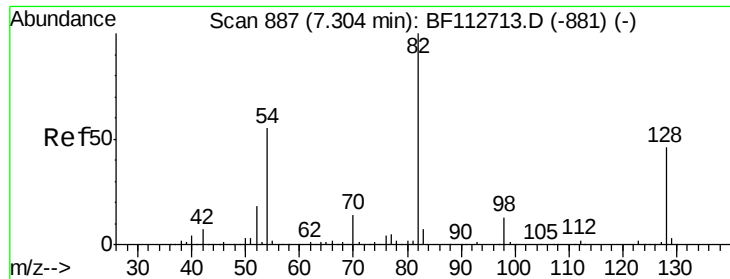
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.02 min Scan# 1009
Delta R.T. -0.00 min
Lab File: BF112809.D
Acq: 1 Mar 2019 19:32

Tgt Ion: 136 Resp: 609011
Ion Ratio Lower Upper
136 100
137 11.7 8.9 13.3
54 8.7 7.3 10.9
68 6.4 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

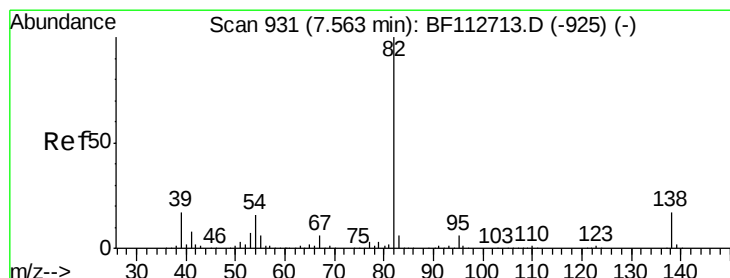
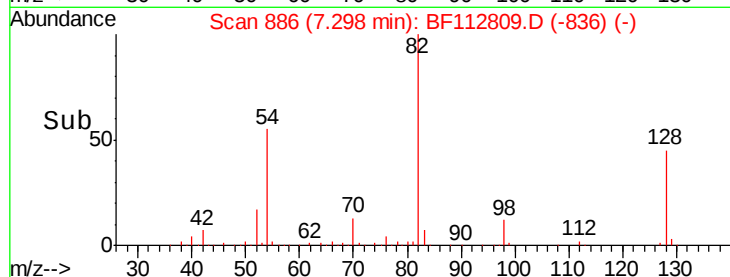
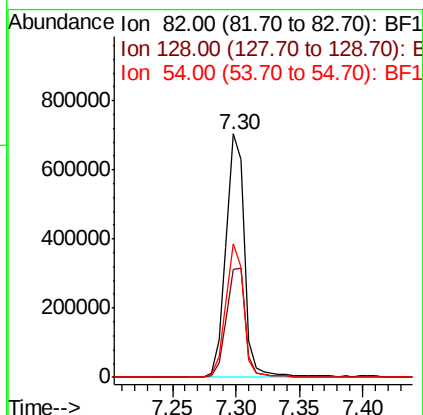
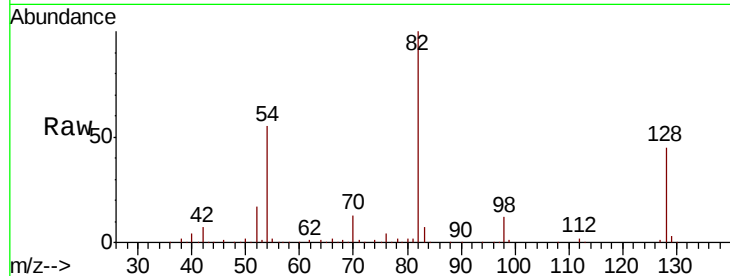




#23
 Nitrobenzene-d5
 Concen: 70.619 ng
 RT: 7.30 min Scan# 886
 Delta R.T. -0.01 min
 Lab File: BF112809.D
 Acq: 1 Mar 2019 19:32

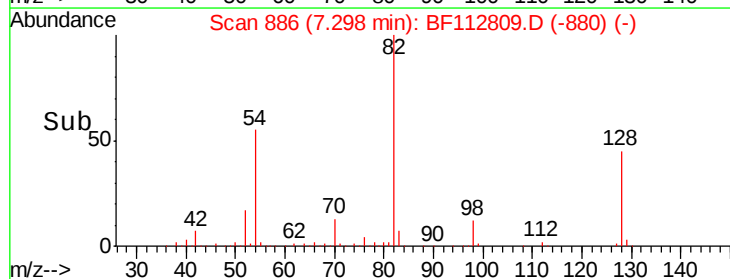
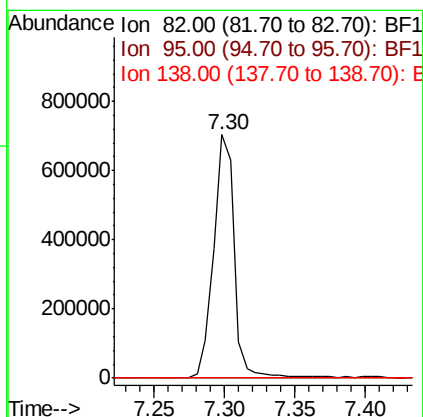
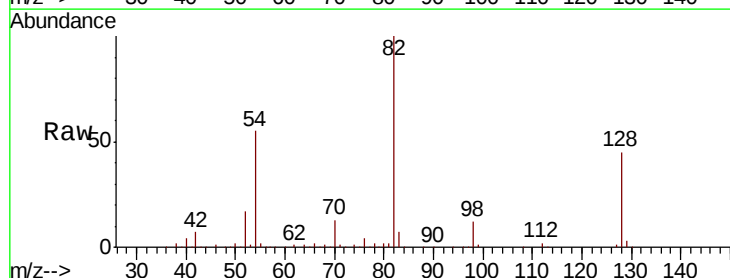
Instrument :
 BNA_F
 ClientSampled :
 Z-3-1-B

Tgt Ion: 82 Resp: 718735
 Ion Ratio Lower Upper
 82 100
 128 44.5 36.3 54.5
 54 54.6 43.7 65.5



#25
 Isophorone
 Concen: 32.629 ng
 RT: 7.30 min Scan# 886
 Delta R.T. -0.26 min
 Lab File: BF112809.D
 Acq: 1 Mar 2019 19:32

Tgt Ion: 82 Resp: 715427
 Ion Ratio Lower Upper
 82 100
 95 0.0 5.2 7.8#
 138 0.0 13.8 20.8#

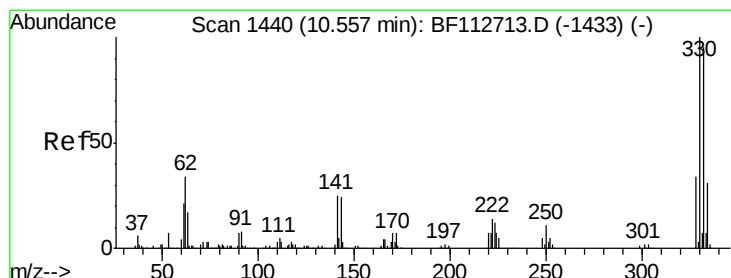
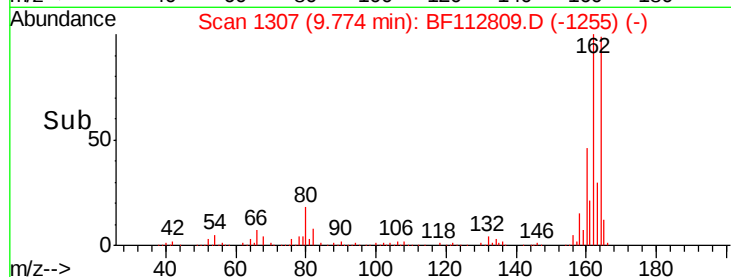
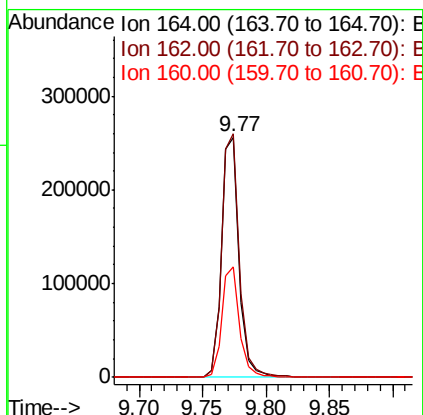
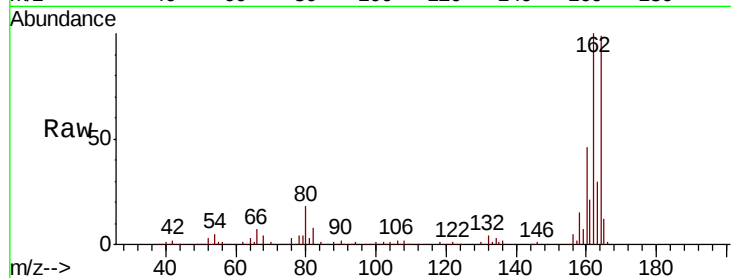




#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.77 min Scan# 1307
 Delta R.T. 0.01 min
 Lab File: BF112809.D
 Acq: 1 Mar 2019 19:32

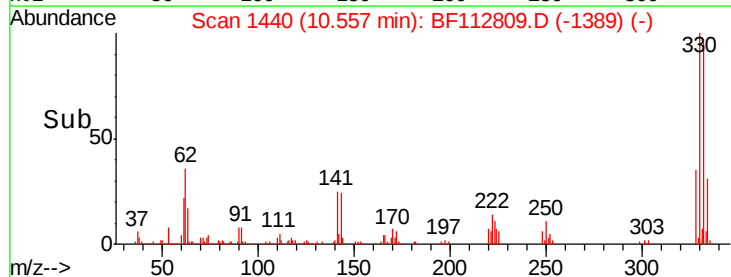
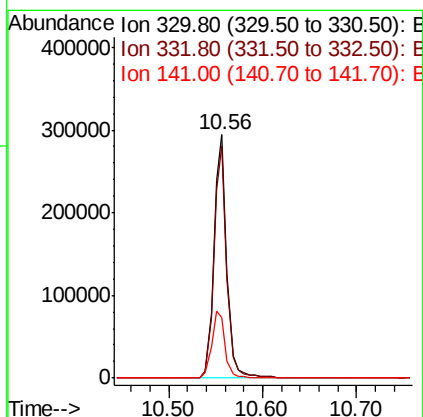
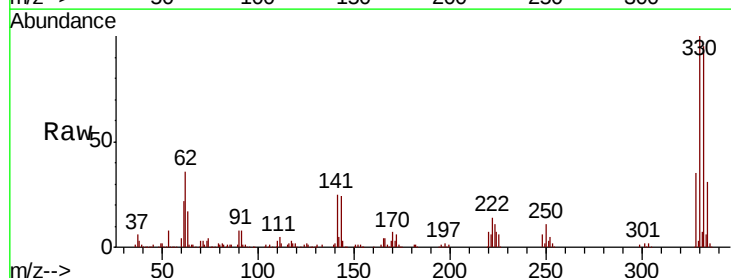
Instrument :
 BNA_F
 ClientSampleId :
 Z-3-1-B

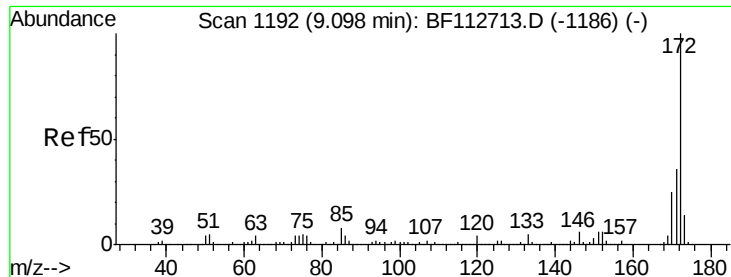
Tgt Ion:164 Resp: 247252
 Ion Ratio Lower Upper
 164 100
 162 101.3 80.6 120.8
 160 46.1 36.0 54.0



#42
 2,4,6-Tribromophenol
 Concen: 108.878 ng
 RT: 10.56 min Scan# 1440
 Delta R.T. -0.00 min
 Lab File: BF112809.D
 Acq: 1 Mar 2019 19:32

Tgt Ion:330 Resp: 285794
 Ion Ratio Lower Upper
 330 100
 332 95.0 76.2 114.4
 141 29.2 27.0 40.6

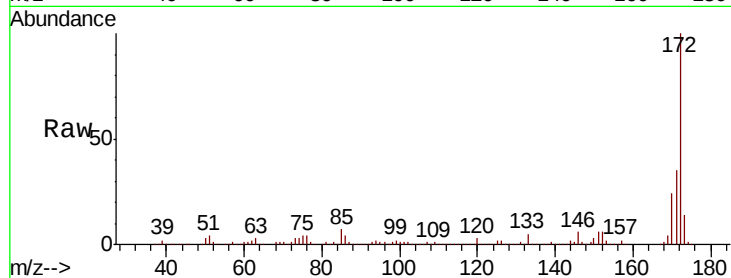




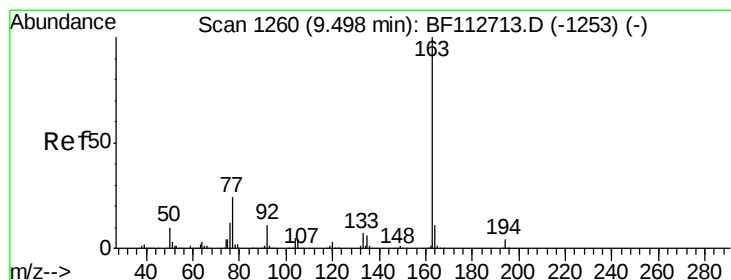
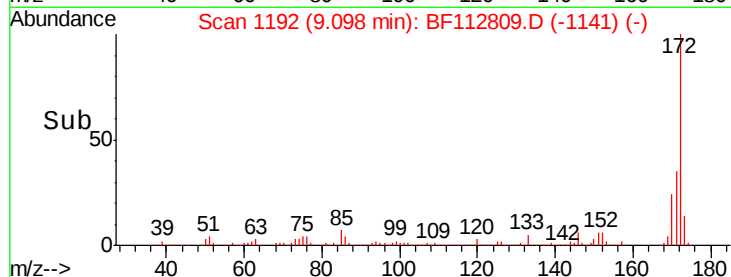
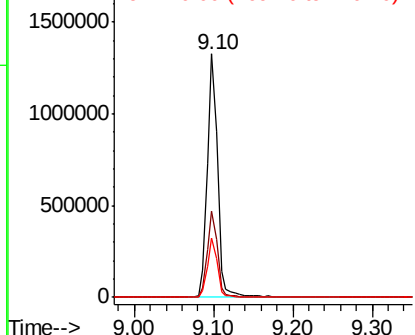
#45
 2-Fluorobiphenyl
 Concen: 80.204 ng
 RT: 9.10 min Scan# 1192
 Delta R.T. 0.00 min
 Lab File: BF112809.D
 Acq: 1 Mar 2019 19:32

Instrument :
 BNA_F
 ClientSampleId :
 Z-3-1-B

Tgt Ion:172 Resp: 1214890
 Ion Ratio Lower Upper
 172 100
 171 35.3 29.0 43.4
 170 24.2 20.0 30.0

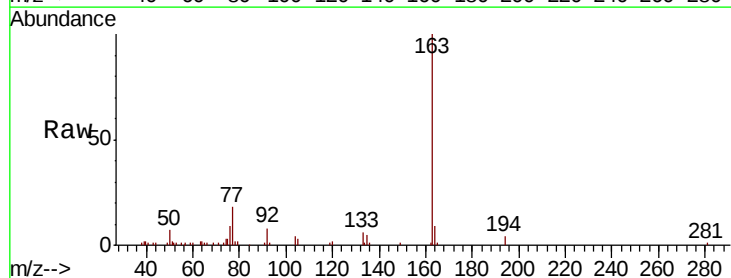


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

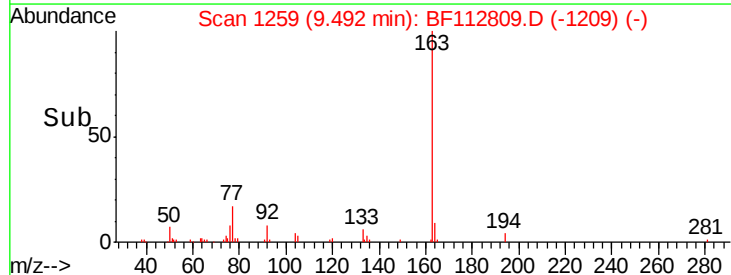
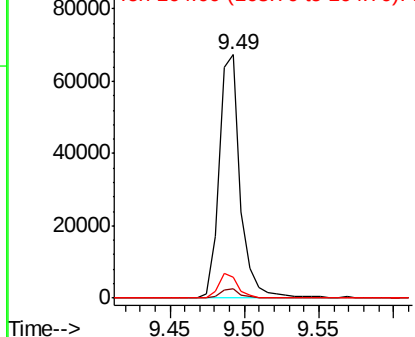


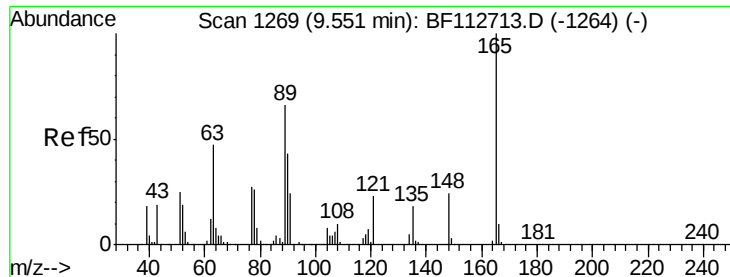
#50
 Dimethylphthalate
 Concen: 3.674 ng
 RT: 9.49 min Scan# 1259
 Delta R.T. -0.01 min
 Lab File: BF112809.D
 Acq: 1 Mar 2019 19:32

Tgt Ion:163 Resp: 66987
 Ion Ratio Lower Upper
 163 100
 194 3.9 3.0 4.4
 164 8.6 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





#51

2,6-Dinitrotoluene

Concen: 8.131 ng

RT: 9.77 min Scan# 1306

Delta R.T. 0.22 min

Lab File: BF112809.D

Acq: 1 Mar 2019 19:32

Instrument :

BNA_F

ClientSampleId :

Z-3-1-B

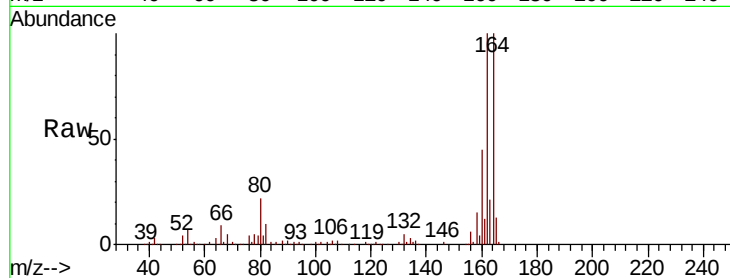
Tgt Ion:165 Resp: 30869

Ion Ratio Lower Upper

165 100

63 0.0 54.1 81.1#

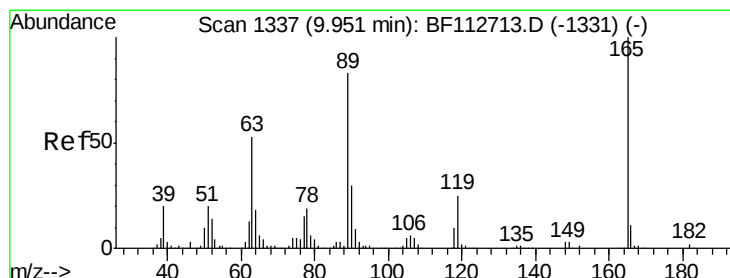
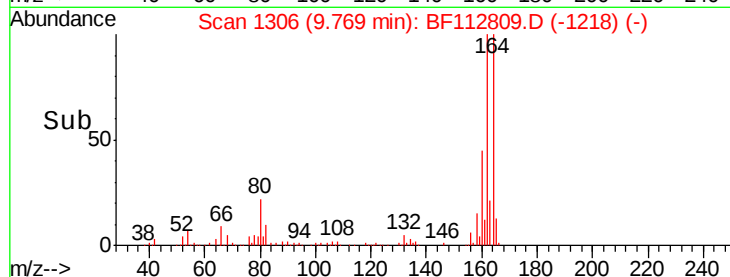
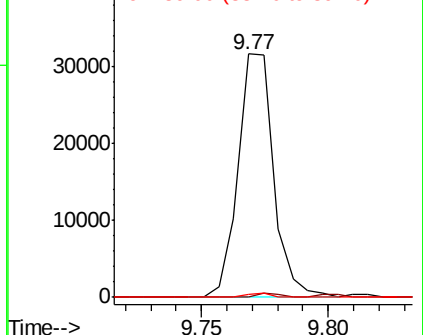
89 1.3 52.8 79.2#



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: 6.541 ng

RT: 9.77 min Scan# 1306

Delta R.T. -0.18 min

Lab File: BF112809.D

Acq: 1 Mar 2019 19:32

Tgt Ion:165 Resp: 30869

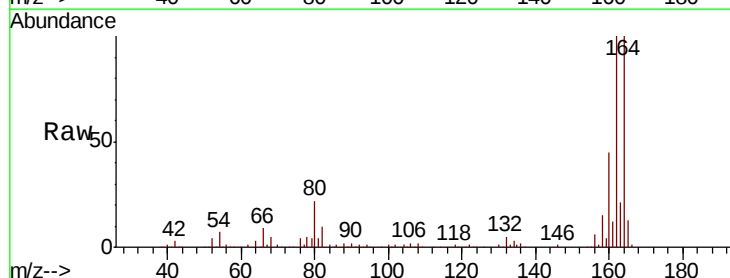
Ion Ratio Lower Upper

165 100

63 0.0 42.2 63.2#

89 1.3 66.2 99.4#

182 0.0 1.8 2.6#

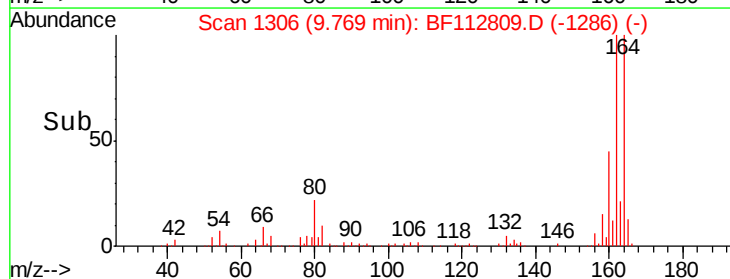
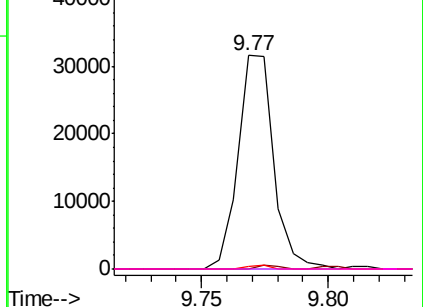


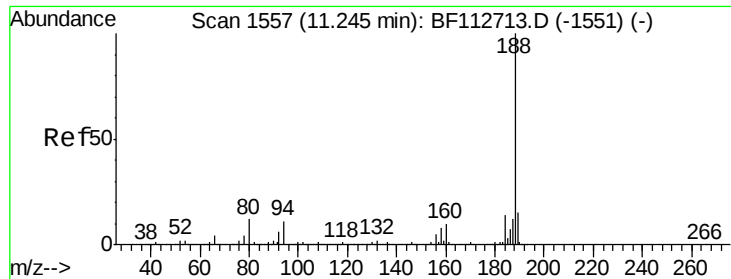
Abundance Ion 165.00 (164.70 to 165.70): E

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

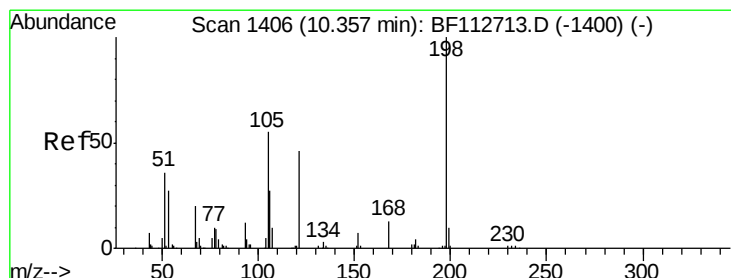
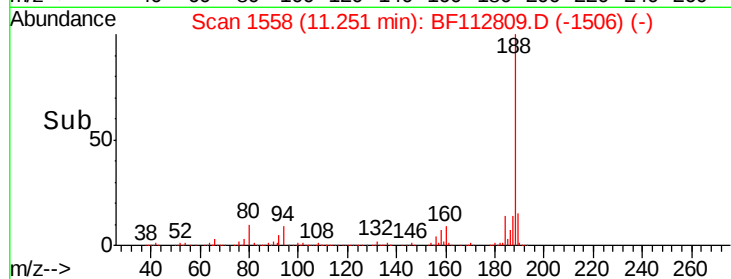
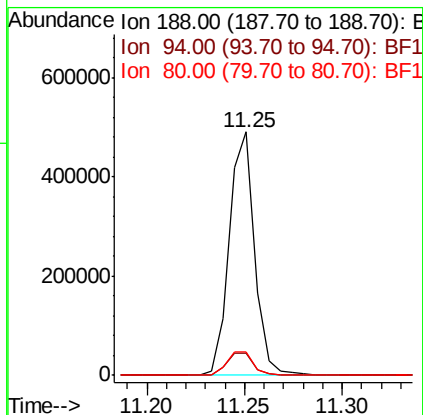
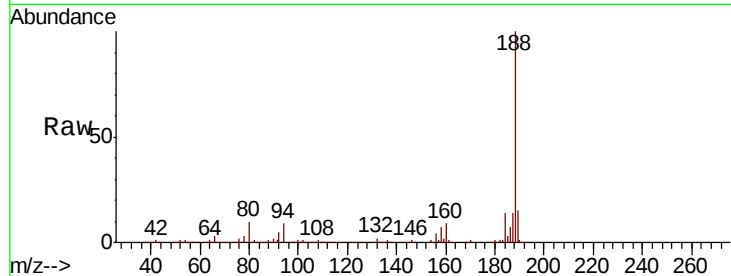




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.25 min Scan# 1558
Delta R.T. 0.01 min
Lab File: BF112809.D
Acq: 1 Mar 2019 19:32

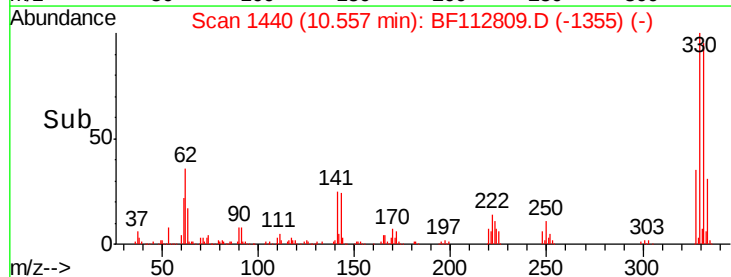
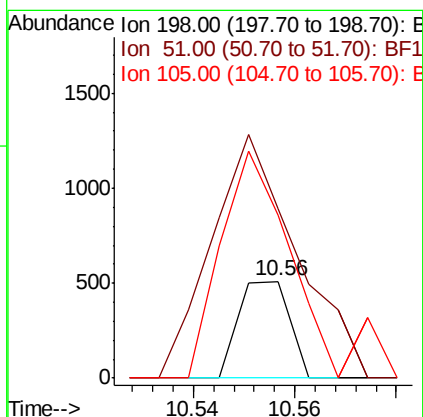
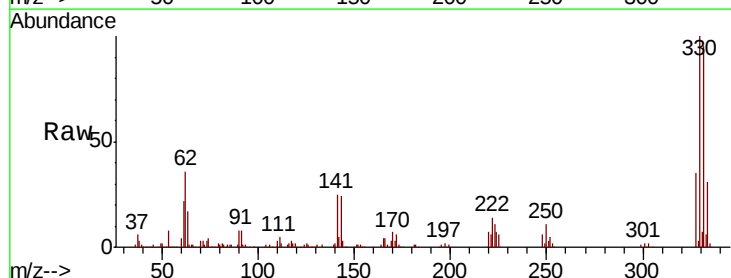
Instrument :
BNA_F
ClientSampleId :
Z-3-1-B

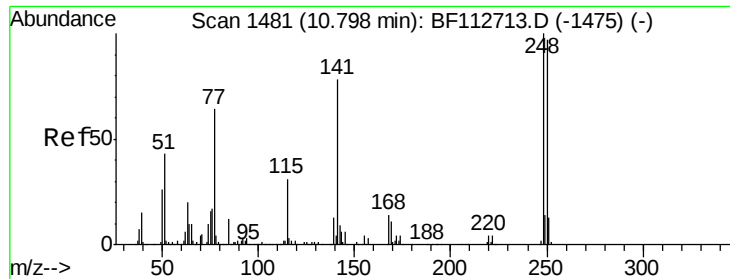
Tgt Ion:188 Resp: 441332
Ion Ratio Lower Upper
188 100
94 8.9 9.0 13.4#
80 9.6 9.2 13.8



#65
4,6-Dinitro-2-methylphenol
Concen: 4.790 ng
RT: 10.56 min Scan# 1440
Delta R.T. 0.20 min
Lab File: BF112809.D
Acq: 1 Mar 2019 19:32

Tgt Ion:198 Resp: 356
Ion Ratio Lower Upper
198 100
51 175.2 43.8 83.8#
105 168.6 36.5 76.5#

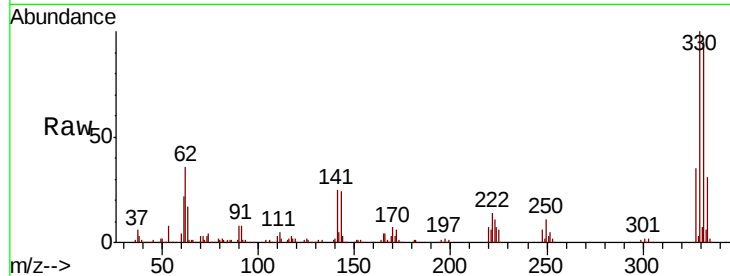




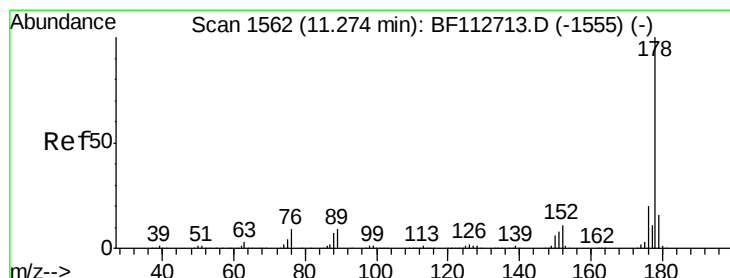
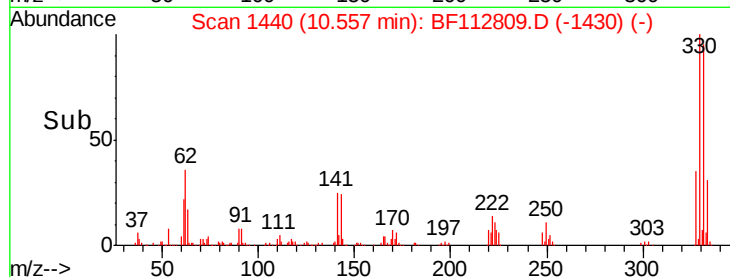
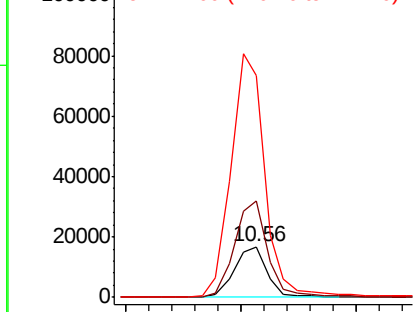
#67
4-Bromophenyl-phenylether
Concen: 3.570 ng
RT: 10.56 min Scan# 1440
Delta R.T. -0.24 min
Lab File: BF112809.D
Acq: 1 Mar 2019 19:32

Instrument :
BNA_F
ClientSampleId :
Z-3-1-B

Tgt Ion:248 Resp: 16593
Ion Ratio Lower Upper
248 100
250 188.9 77.5 116.3#
141 436.2 62.4 93.6#

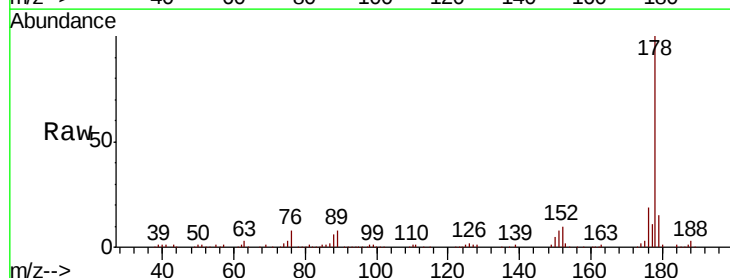


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

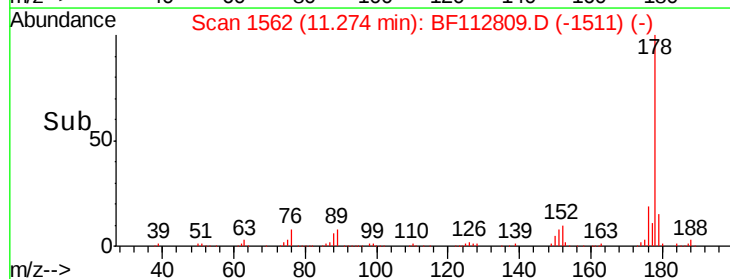
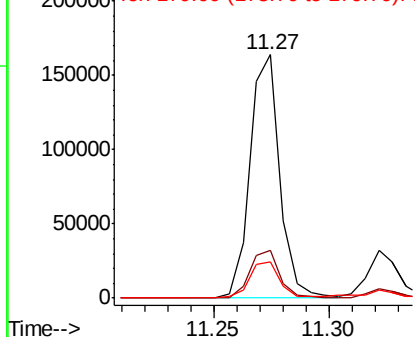


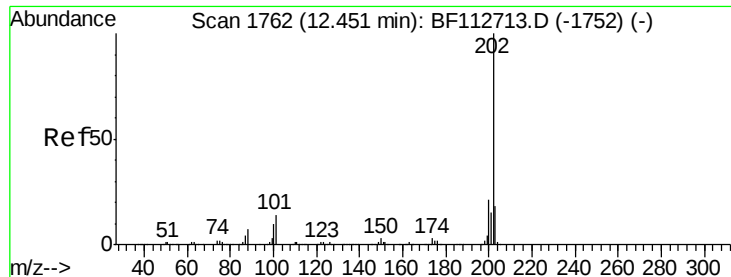
#71
Phenanthrene
Concen: 6.746 ng
RT: 11.27 min Scan# 1562
Delta R.T. -0.00 min
Lab File: BF112809.D
Acq: 1 Mar 2019 19:32

Tgt Ion:178 Resp: 148118
Ion Ratio Lower Upper
178 100
176 19.4 16.3 24.5
179 15.0 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: 15.789 ng

RT: 12.46 min Scan# 1763

Delta R.T. 0.01 min

Lab File: BF112809.D

Acq: 1 Mar 2019 19:32

Instrument :

BNA_F

ClientSampleId :

Z-3-1-B

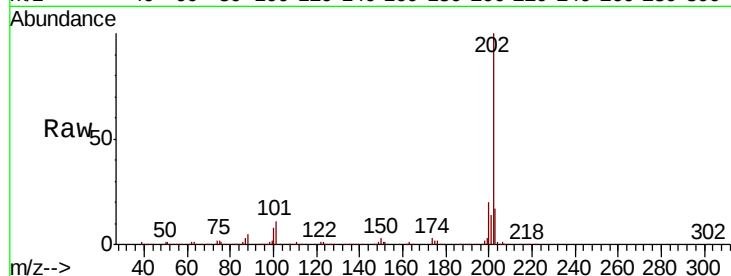
Tgt Ion:202 Resp: 371445

Ion Ratio Lower Upper

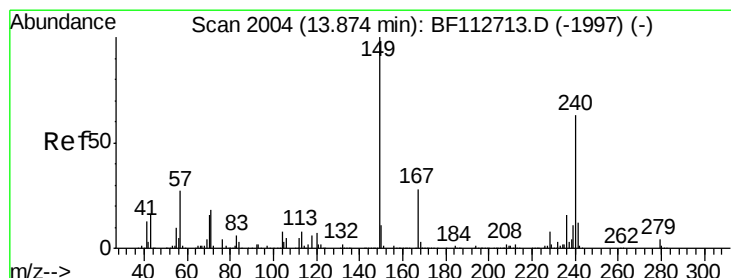
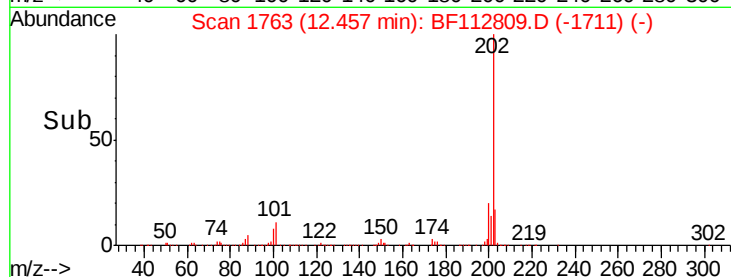
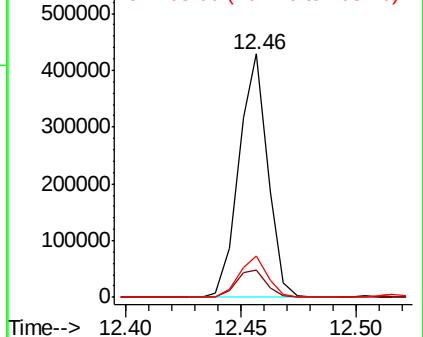
202 100

101 11.0 0.0 33.8

203 17.2 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# 2004

Delta R.T. -0.00 min

Lab File: BF112809.D

Acq: 1 Mar 2019 19:32

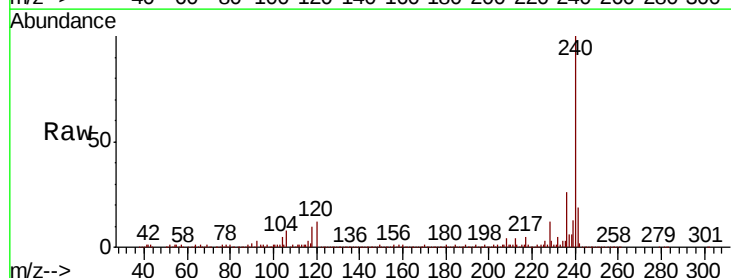
Tgt Ion:240 Resp: 467520

Ion Ratio Lower Upper

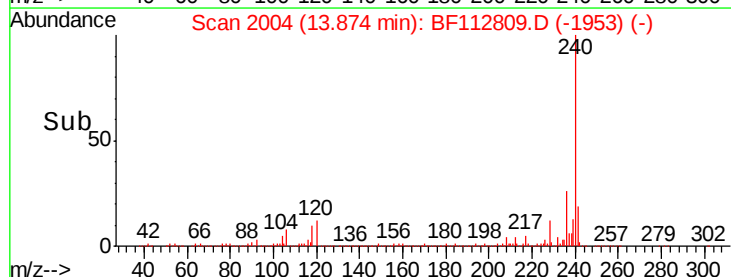
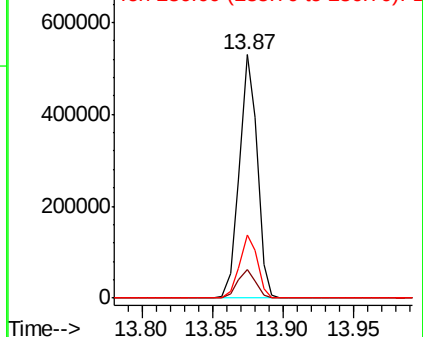
240 100

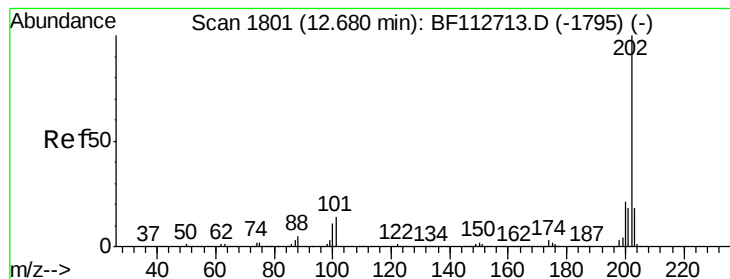
120 11.7 8.9 13.3

236 25.7 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: 8.864 ng

RT: 12.68 min Scan# 1801

Delta R.T. -0.00 min

Lab File: BF112809.D

Acq: 1 Mar 2019 19:32

Instrument :

BNA_F

ClientSampleId :

Z-3-1-B

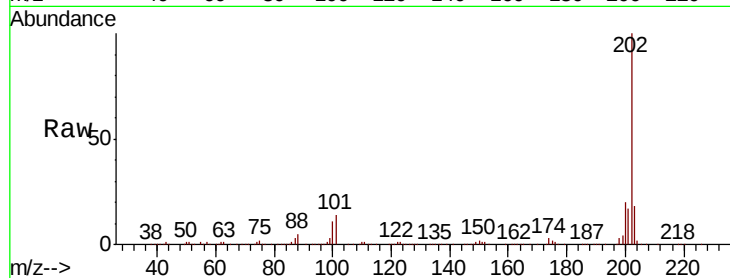
Tgt Ion: 202 Resp: 349364

Ion Ratio Lower Upper

202 100

200 20.2 17.0 25.4

203 18.0 14.4 21.6

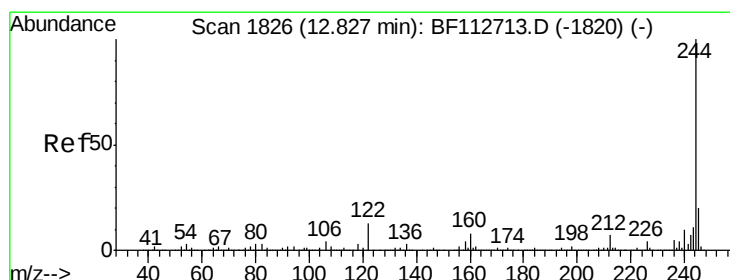
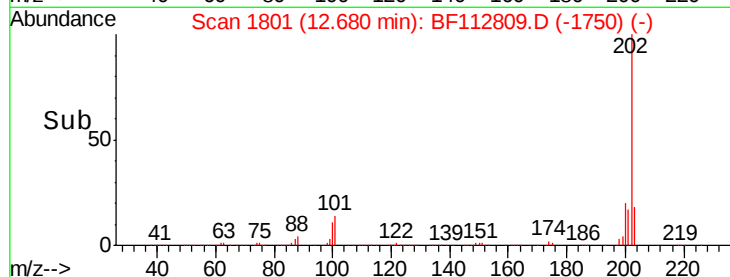
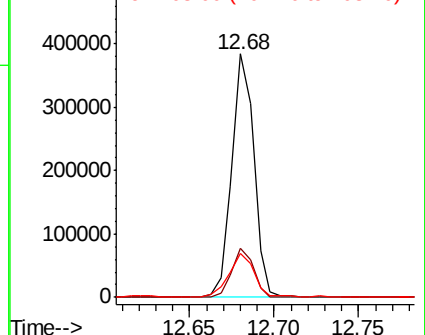


Abundance

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: 51.240 ng

RT: 12.83 min Scan# 1827

Delta R.T. 0.01 min

Lab File: BF112809.D

Acq: 1 Mar 2019 19:32

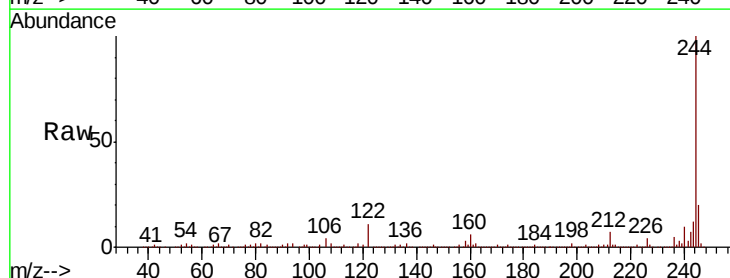
Tgt Ion: 244 Resp: 1235800

Ion Ratio Lower Upper

244 100

212 6.8 5.6 8.4

122 10.9 10.5 15.7

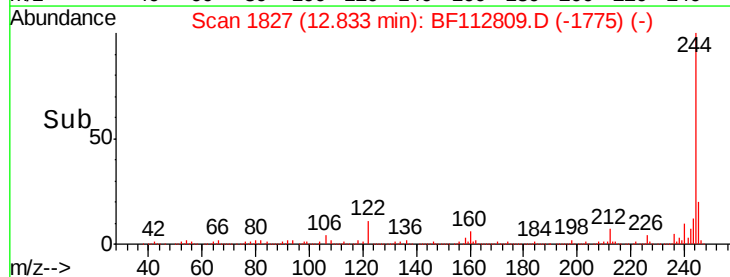
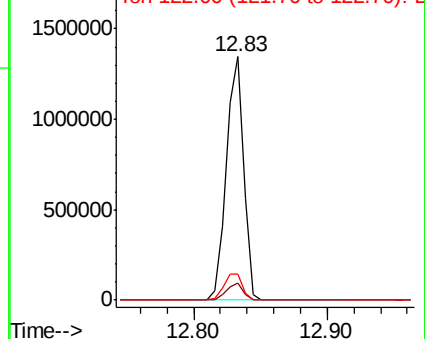


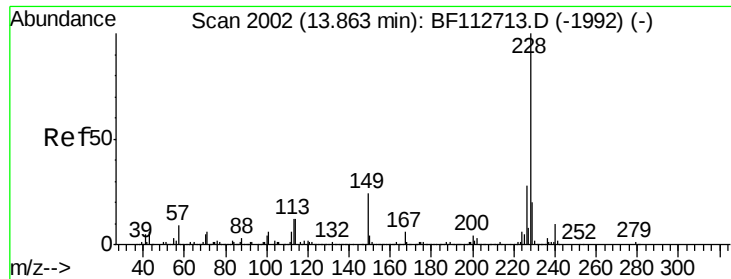
Abundance

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

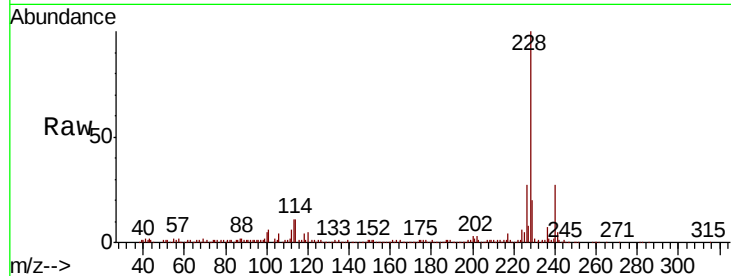




#81
Benzo(a)anthracene
Concen: 6.445 ng
RT: 13.86 min Scan# 2002
Delta R.T. -0.00 min
Lab File: BF112809.D
Acq: 1 Mar 2019 19:32

Instrument :
BNA_F
ClientSampleId :
Z-3-1-B

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.5	22.2	33.4
229	20.1	16.0	24.0

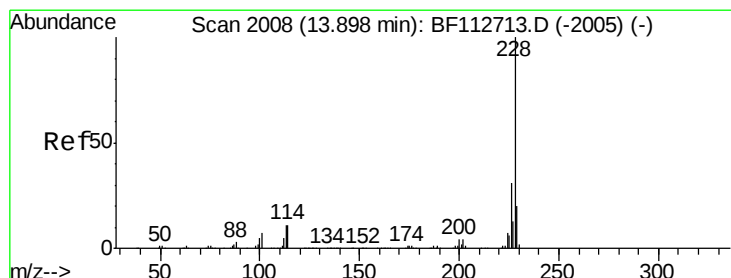
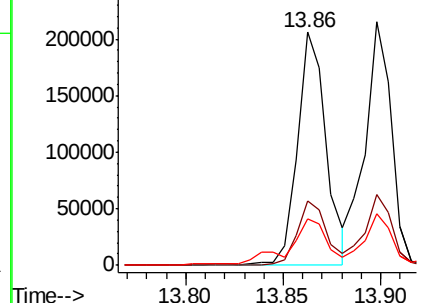
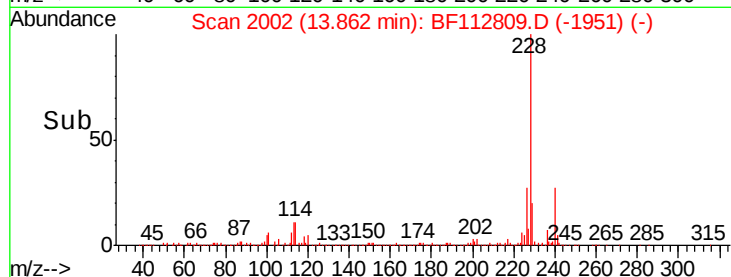


Abundance

Ion 228.00 (227.70 to 228.70): E

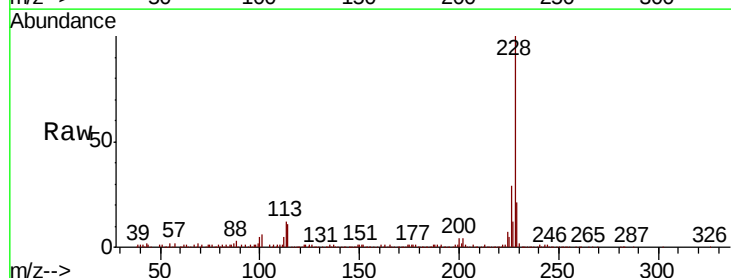
Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#83
Chrysene
Concen: 6.375 ng
RT: 13.90 min Scan# 2008
Delta R.T. -0.00 min
Lab File: BF112809.D
Acq: 1 Mar 2019 19:32

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.3	24.9	37.3
229	21.3	16.3	24.5

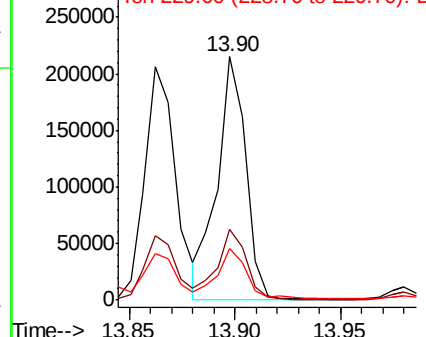
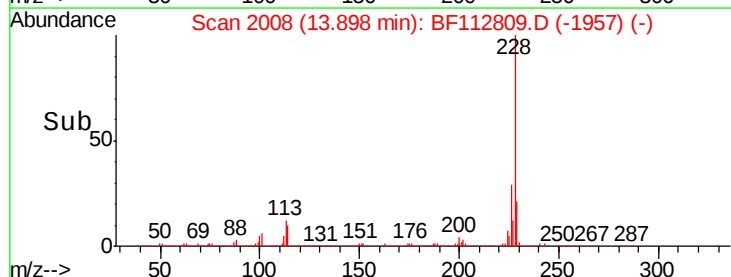


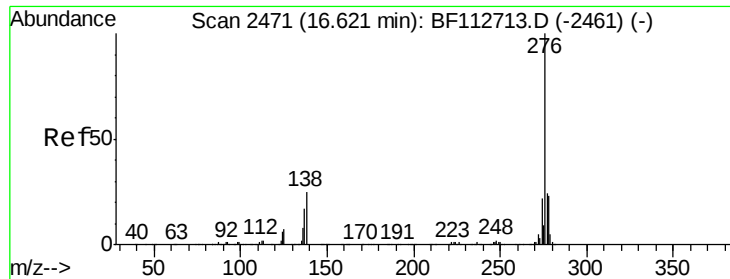
Abundance

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

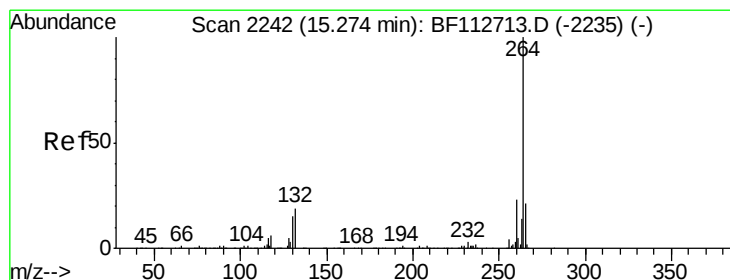
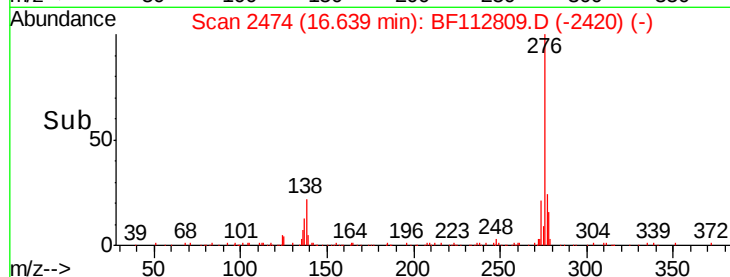
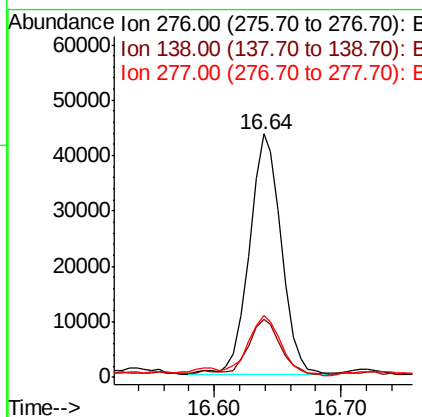
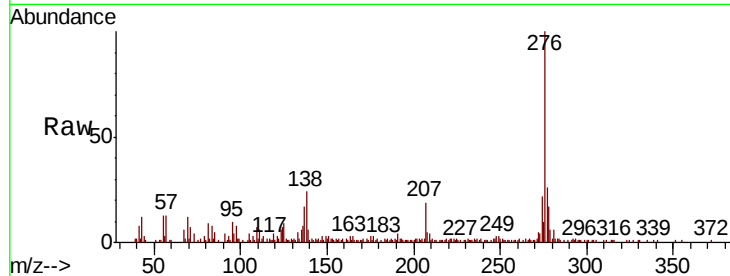




#86
 Indeno(1,2,3-cd)pyrene
 Concen: 2.805 ng
 RT: 16.64 min Scan# 2474
 Delta R.T. 0.02 min
 Lab File: BF112809.D
 Acq: 1 Mar 2019 19:32

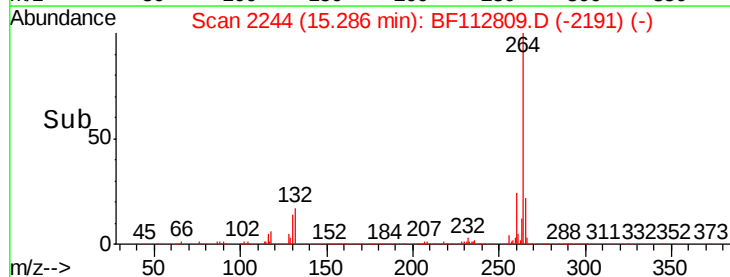
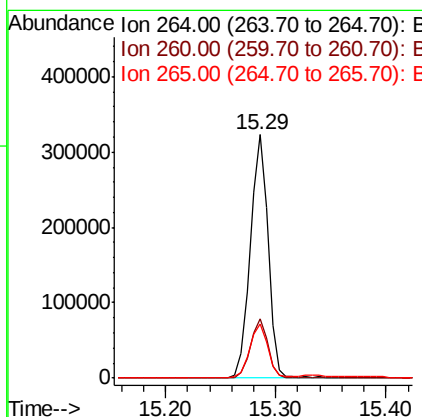
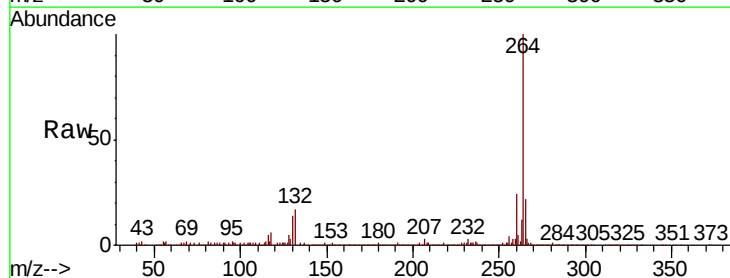
Instrument :
 BNA_F
 ClientSampleId :
 Z-3-1-B

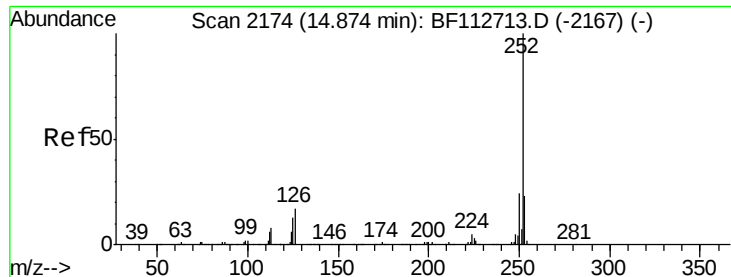
Tgt Ion: 276 Resp: 75890
 Ion Ratio Lower Upper
 276 100
 138 22.8 23.2 34.8#
 277 25.9 19.9 29.9



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.29 min Scan# 2244
 Delta R.T. 0.01 min
 Lab File: BF112809.D
 Acq: 1 Mar 2019 19:32

Tgt Ion: 264 Resp: 366273
 Ion Ratio Lower Upper
 264 100
 260 24.4 18.7 28.1
 265 22.1 17.2 25.8

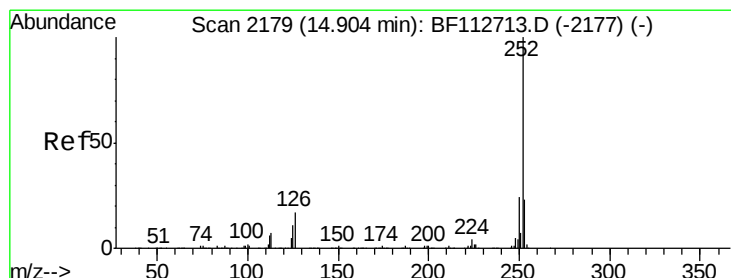
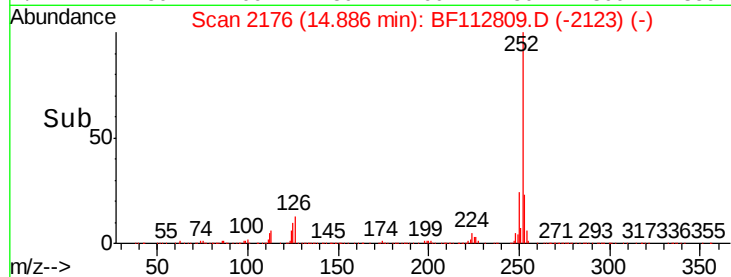
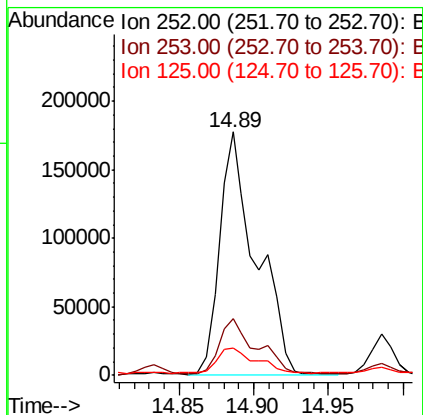
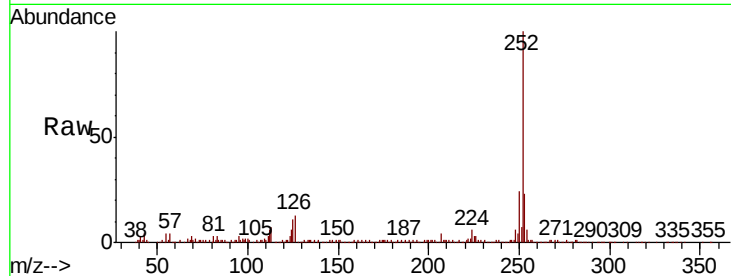




#88
Benzo(b)fluoranthene
Concen: 12.638 ng
RT: 14.89 min Scan# 2176
Delta R.T. 0.01 min
Lab File: BF112809.D
Acq: 1 Mar 2019 19:32

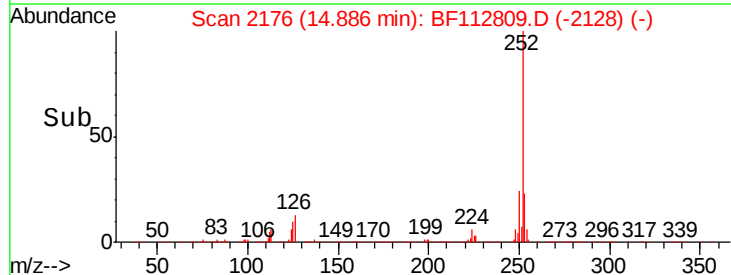
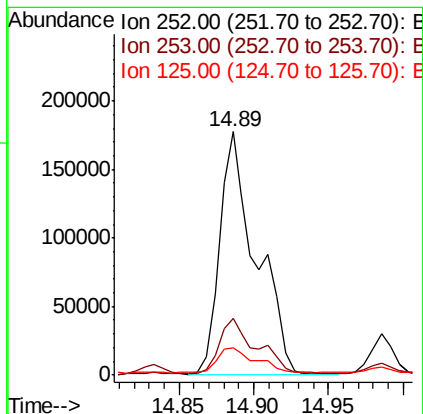
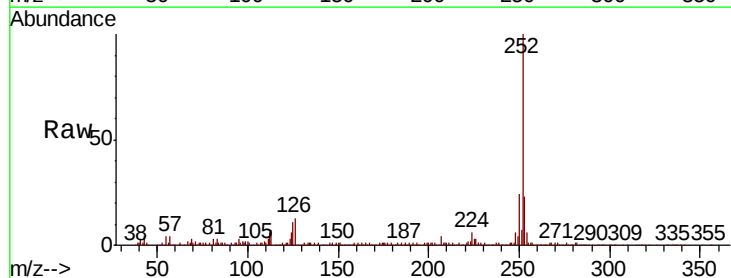
Instrument :
BNA_F
ClientSampleId :
Z-3-1-B

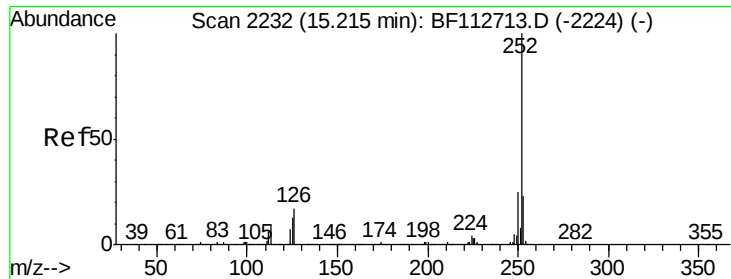
Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	18.0	27.0
125	11.3	10.2	15.2



#89
Benzo(k)fluoranthene
Concen: 13.952 ng
RT: 14.89 min Scan# 2176
Delta R.T. -0.02 min
Lab File: BF112809.D
Acq: 1 Mar 2019 19:32

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	18.2	27.2
125	11.3	9.8	14.6





#90

Benzo(a)pyrene

Concen: 6.372 ng

RT: 15.23 min Scan# 2234

Delta R.T. 0.01 min

Lab File: BF112809.D

Acq: 1 Mar 2019 19:32

Instrument :

BNA_F

ClientSampleId :

Z-3-1-B

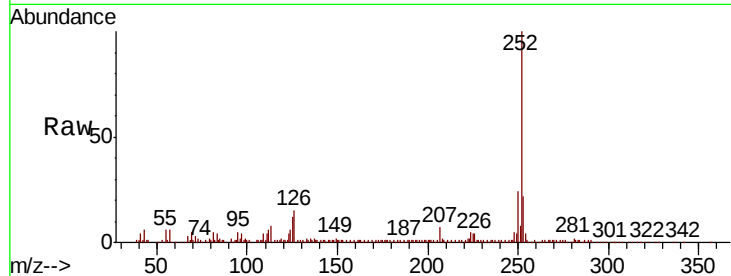
Tgt Ion:252 Resp: 133538

Ion Ratio Lower Upper

252 100

253 22.2 18.0 27.0

125 12.4 10.7 16.1

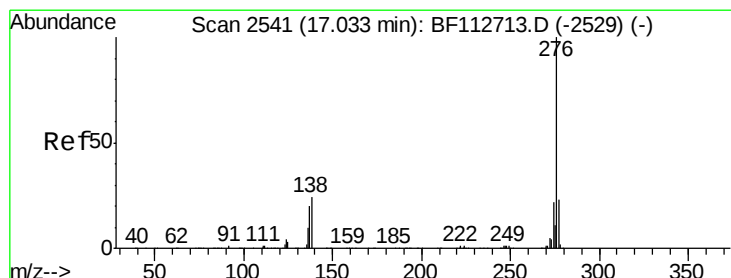
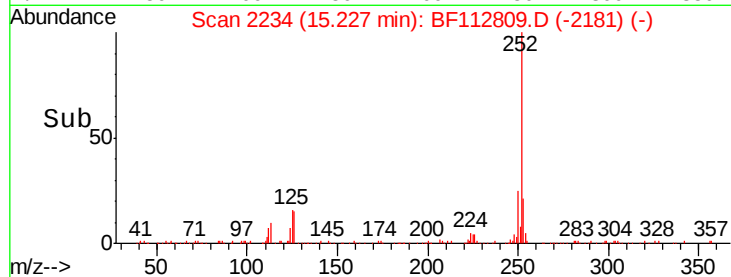
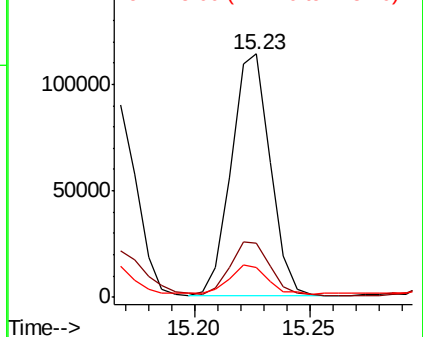


Abundance

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: 3.818 ng

RT: 17.04 min Scan# 2543

Delta R.T. 0.01 min

Lab File: BF112809.D

Acq: 1 Mar 2019 19:32

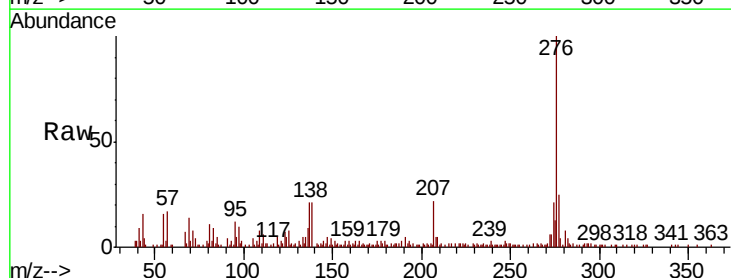
Tgt Ion:276 Resp: 68561

Ion Ratio Lower Upper

276 100

277 24.7 18.6 27.8

138 21.4 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

