

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF030419\
 Data File : BF112821.D
 Acq On : 4 Mar 2019 13:50
 Operator : JU/SJ
 Sample : K1707-01
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S10

Quant Time: Mar 05 00:35:57 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	183741	20.00	ng	0.00
21) Naphthalene-d8	8.03	136	693349	20.00	ng	0.00
39) Acenaphthene-d10	9.77	164	322233	20.00	ng	0.00
64) Phenanthrene-d10	11.25	188	586012	20.00	ng	0.00
76) Chrysene-d12	13.88	240	444475	20.00	ng	0.00
87) Perylene-d12	15.29	264	443918	20.00	ng	0.02

System Monitoring Compounds

5) 2-Fluorophenol	5.36	112	1170941	99.13	ng	0.01
7) Phenol-d6	6.38	99	1551898	104.59	ng	0.01
23) Nitrobenzene-d5	7.30	82	952421	82.20	ng	0.00
42) 2,4,6-Tribromophenol	10.56	330	415241	121.38	ng	0.00
45) 2-Fluorobiphenyl	9.10	172	1570351	79.33	ng	0.00
79) Terphenyl-d14	12.83	244	1357234	59.19	ng	0.00

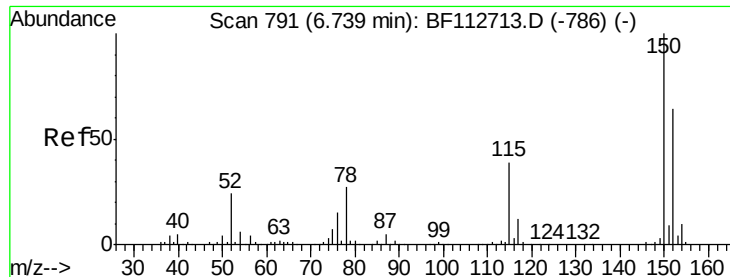
Target Compounds

						Qvalue
10) Phenol	6.39	94	69531	4.016	ng	89
19) n-Nitroso-di-n-propylamine	7.30	70	124449	13.243	ng	# 79
25) Isophorone	7.30	82	927378	37.151	ng	# 66
50) Dimethylphthalate	9.49	163	122458	5.154	ng	99
51) 2,6-Dinitrotoluene	9.77	165	41982	8.485	ng	# 18
57) 2,4-Dinitrotoluene	9.77	165	41982	6.826	ng	# 18
65) 4,6-Dinitro-2-methylphenol	10.59	198	618	4.845	ng	81
67) 4-Bromophenyl-phenylether	10.56	248	23344	3.782	ng	# 1
71) Phenanthrene	11.27	178	119079	4.084	ng	98
75) Fluoranthene	12.46	202	297740	9.531	ng	98
78) Pyrene	12.69	202	277364	7.402	ng	98
81) Benzo(a)anthracene	13.87	228	166082	5.391	ng	93
83) Chrysene	13.90	228	150475	4.987	ng	97
86) Indeno(1,2,3-cd)pyrene	16.65	276	76186	2.962	ng	# 92
88) Benzo(b)fluoranthene	14.89	252	267767	9.325	ng	99
89) Benzo(k)fluoranthene	14.89	252	267767	10.295	ng	99
90) Benzo(a)pyrene	15.23	252	138782	5.464	ng	99
92) Benzo(g,h,i)perylene	17.06	276	67587	3.106	ng	97

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

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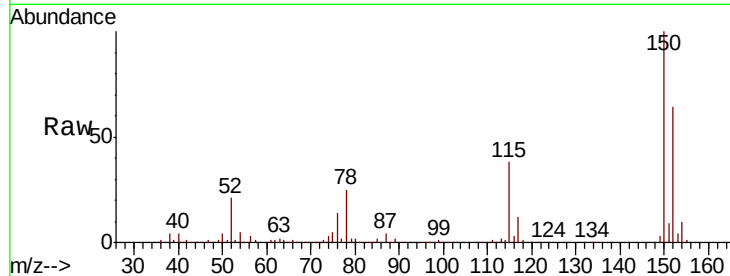


#1

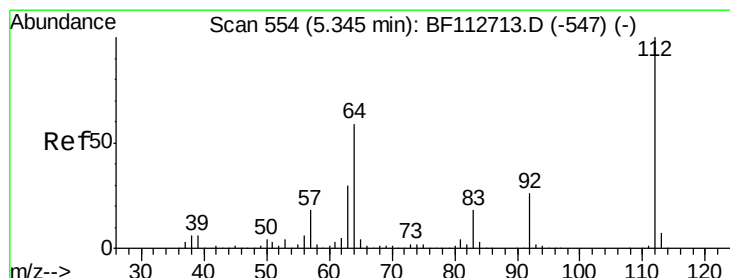
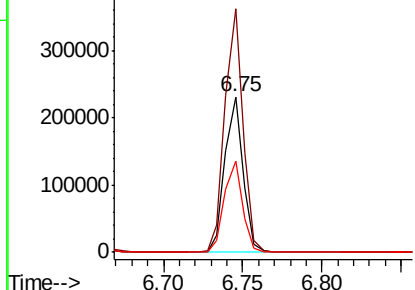
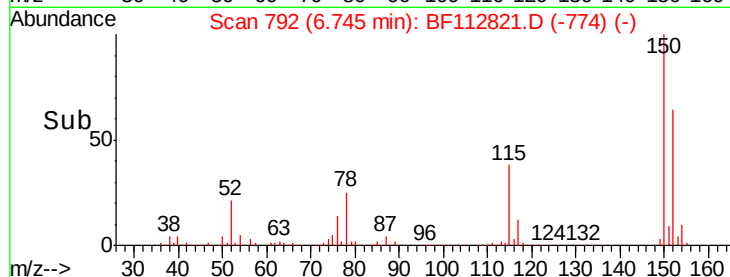
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.75 min Scan# 792
Delta R.T. 0.01 min
Lab File: BF112821.D
Acq: 4 Mar 2019 13:50

Instrument :
BNA_F
ClientSampleId :
S10

Tgt Ion:152 Resp: 183741
Ion Ratio Lower Upper
152 100
150 156.4 124.2 186.2
115 59.0 48.2 72.4



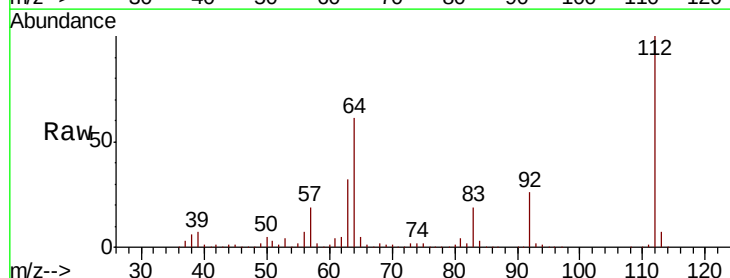
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



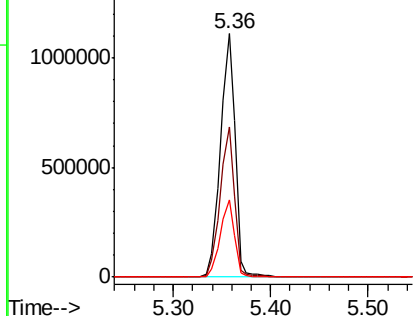
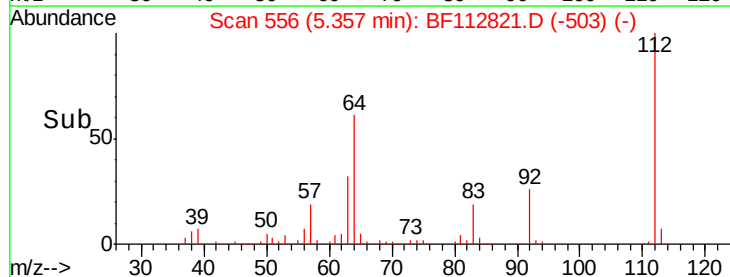
#5

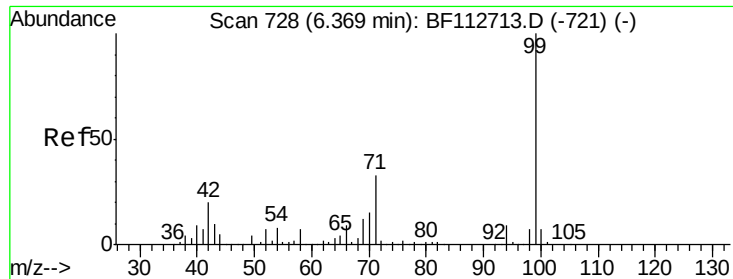
2-Fluorophenol
Concen: 99.131 ng
RT: 5.36 min Scan# 556
Delta R.T. 0.01 min
Lab File: BF112821.D
Acq: 4 Mar 2019 13:50

Tgt Ion:112 Resp: 1170941
Ion Ratio Lower Upper
112 100
64 61.5 47.6 71.4
63 32.0 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: 104.591 ng

RT: 6.38 min Scan# 730

Delta R.T. 0.01 min

Lab File: BF112821.D

Acq: 4 Mar 2019 13:50

Instrument :

BNA_F

ClientSampleId :

S10

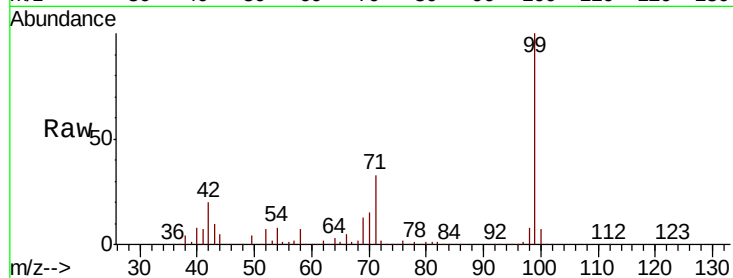
Tgt Ion: 99 Resp: 1551898

Ion Ratio Lower Upper

99 100

42 20.2 16.3 24.5

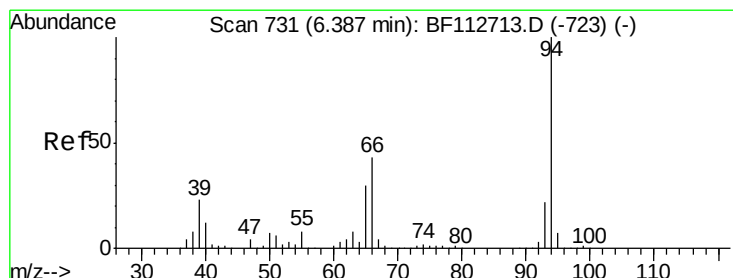
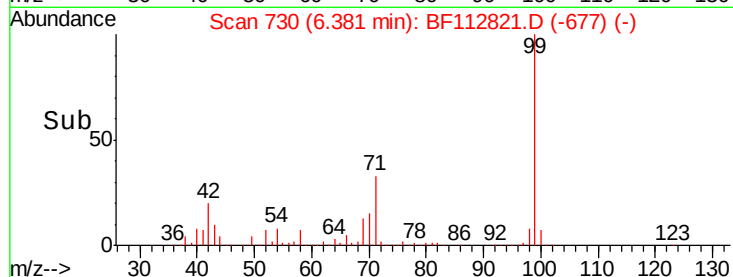
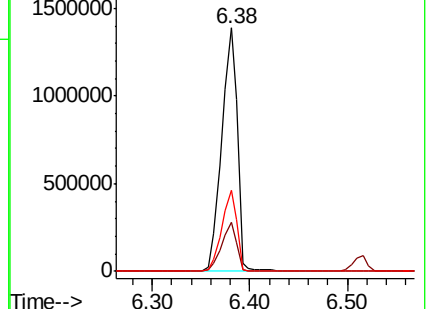
71 33.5 26.2 39.4



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: 4.016 ng

RT: 6.39 min Scan# 732

Delta R.T. 0.01 min

Lab File: BF112821.D

Acq: 4 Mar 2019 13:50

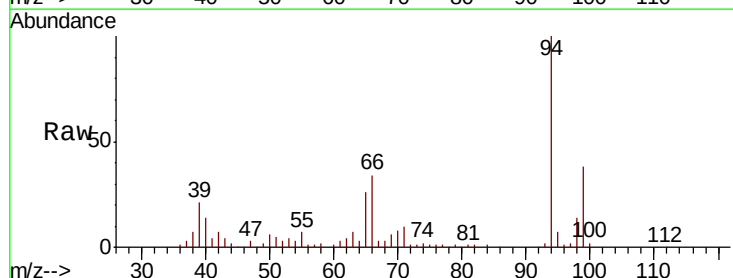
Tgt Ion: 94 Resp: 69531

Ion Ratio Lower Upper

94 100

65 26.3 10.5 50.5

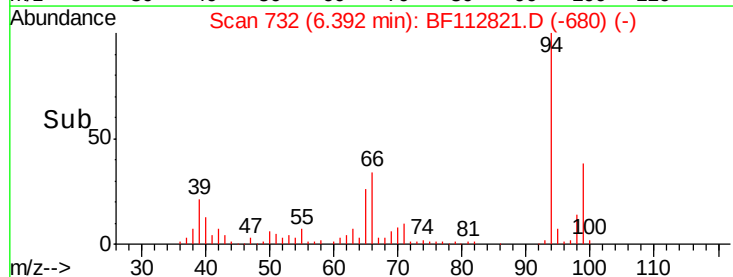
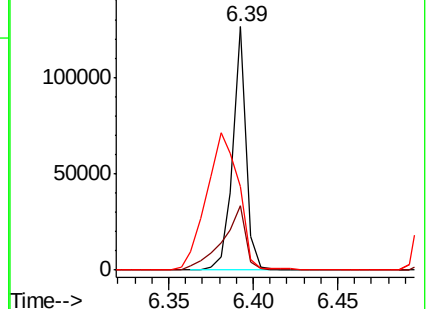
66 34.5 22.6 62.6

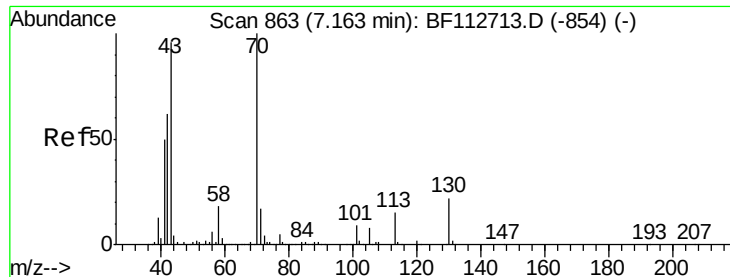


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

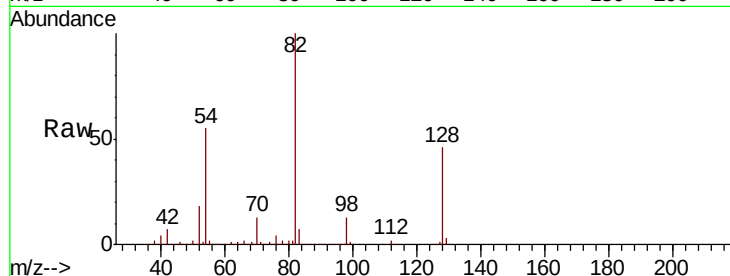




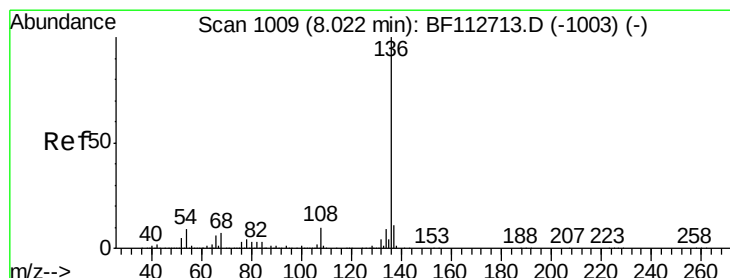
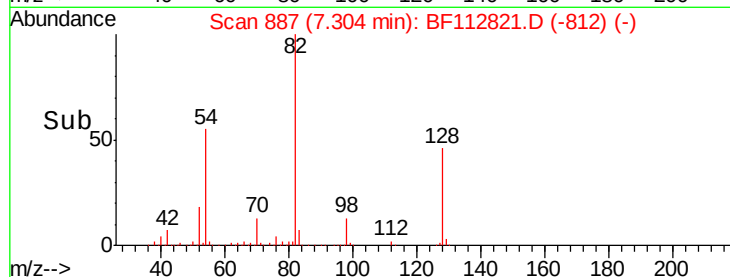
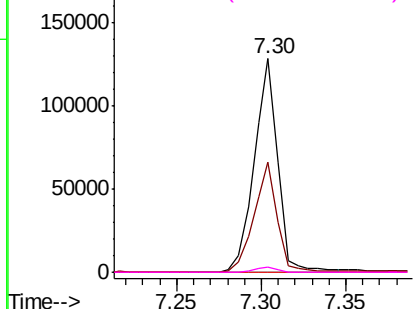
#19
n-Nitroso-di-n-propylamine
Concen: 13.243 ng
RT: 7.30 min Scan# 887
Delta R.T. 0.14 min
Lab File: BF112821.D
Acq: 4 Mar 2019 13:50

Instrument :
BNA_F
ClientSampleId :
S10

Tgt Ion: 70 Resp: 124449
Ion Ratio Lower Upper
70 100
42 51.8 49.9 74.9
101 0.0 7.4 11.2#
130 2.3 17.4 26.2#

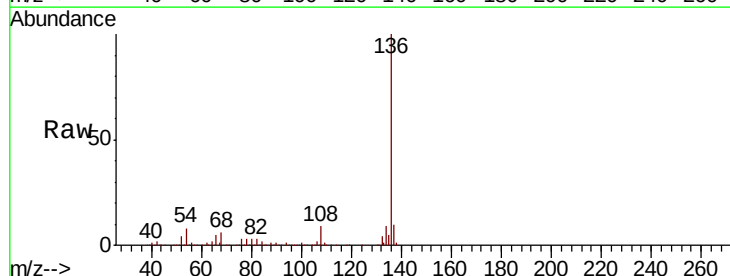


Abundance Ion 70.00 (69.70 to 70.70): BF1
200000
Ion 42.00 (41.70 to 42.70): BF1
Ion 101.00 (100.70 to 101.70): E
Ion 130.00 (129.70 to 130.70): E

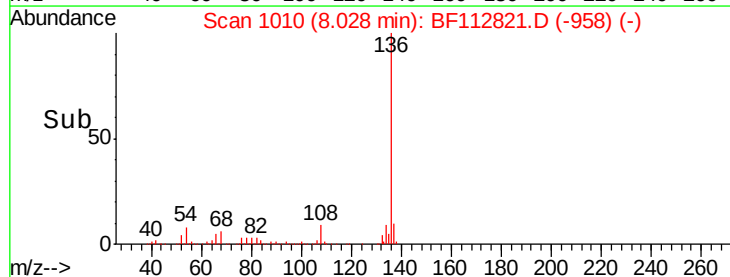
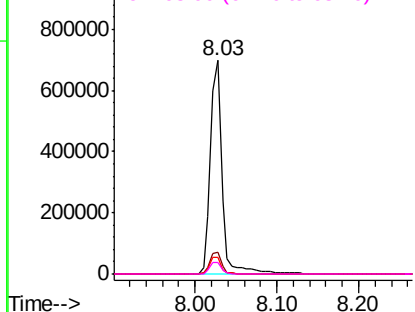


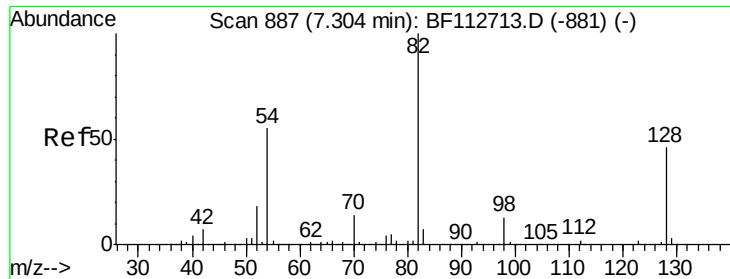
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.03 min Scan# 1010
Delta R.T. 0.01 min
Lab File: BF112821.D
Acq: 4 Mar 2019 13:50

Tgt Ion: 136 Resp: 693349
Ion Ratio Lower Upper
136 100
137 10.4 8.9 13.3
54 7.8 7.3 10.9
68 5.6 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

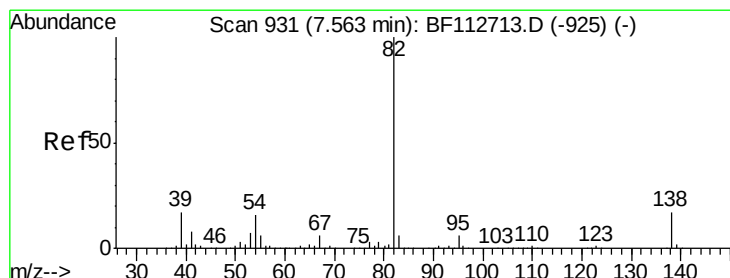
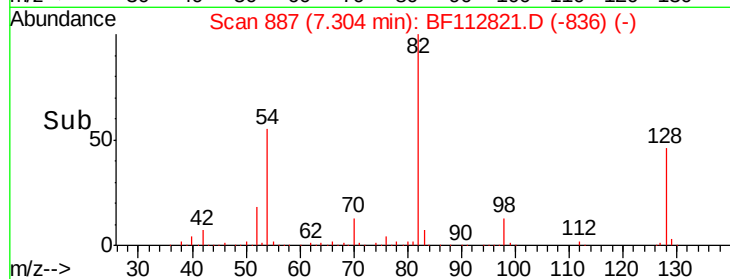
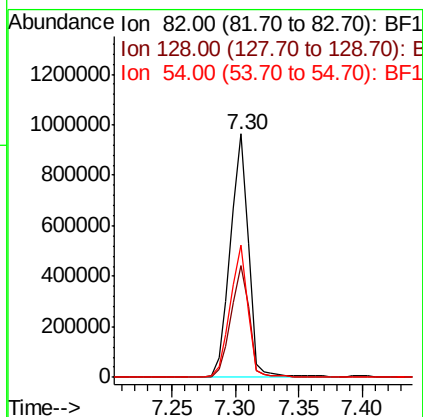
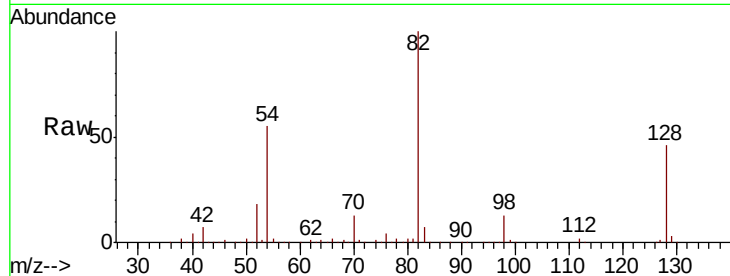




#23
 Nitrobenzene-d5
 Concen: 82.197 ng
 RT: 7.30 min Scan# 887
 Delta R.T. 0.00 min
 Lab File: BF112821.D
 Acq: 4 Mar 2019 13:50

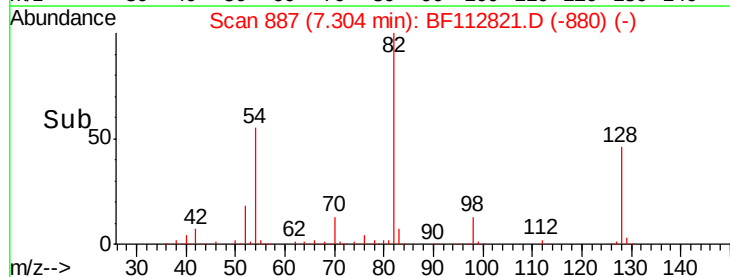
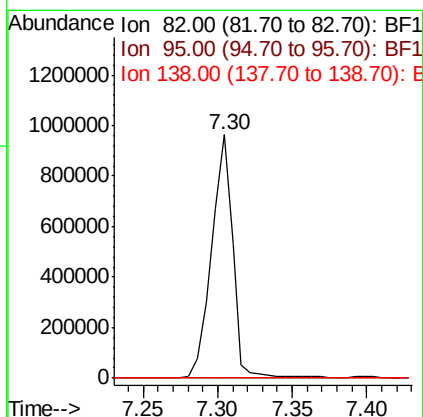
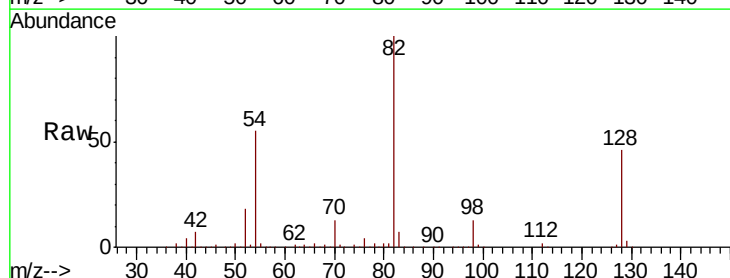
Instrument :
 BNA_F
 ClientSampleId :
 S10

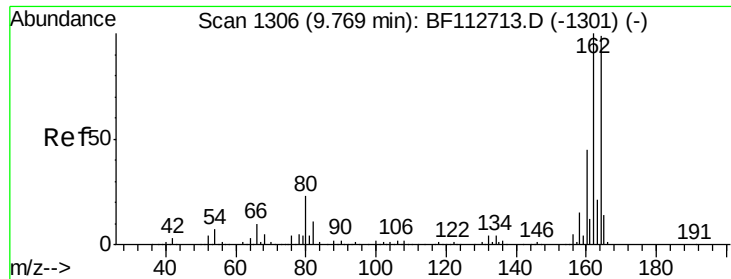
Tgt Ion: 82 Resp: 952421
 Ion Ratio Lower Upper
 82 100
 128 46.0 36.3 54.5
 54 54.5 43.7 65.5



#25
 Isophorone
 Concen: 37.151 ng
 RT: 7.30 min Scan# 887
 Delta R.T. -0.26 min
 Lab File: BF112821.D
 Acq: 4 Mar 2019 13:50

Tgt Ion: 82 Resp: 927378
 Ion Ratio Lower Upper
 82 100
 95 0.0 5.2 7.8#
 138 0.0 13.8 20.8#

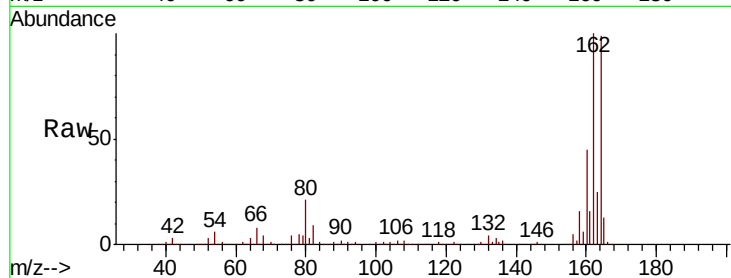




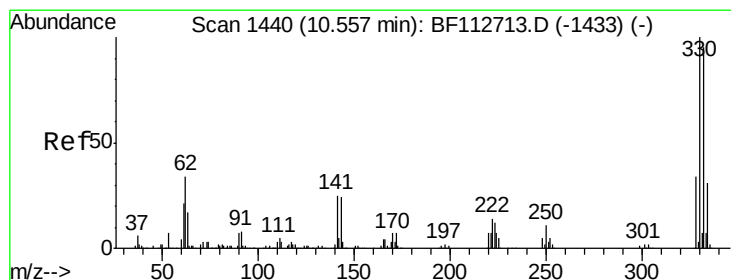
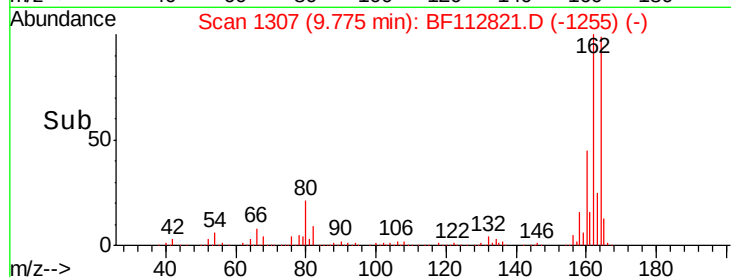
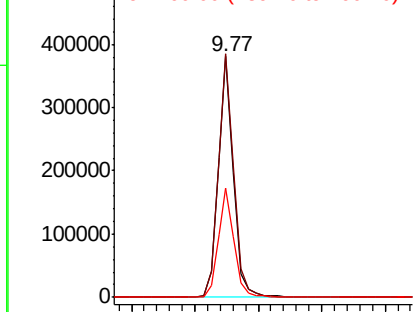
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.77 min Scan# 1307
Delta R.T. 0.01 min
Lab File: BF112821.D
Acq: 4 Mar 2019 13:50

Instrument :
BNA_F
ClientSampleId :
S10

Tgt Ion:164 Resp: 322233
Ion Ratio Lower Upper
164 100
162 101.2 80.6 120.8
160 45.6 36.0 54.0

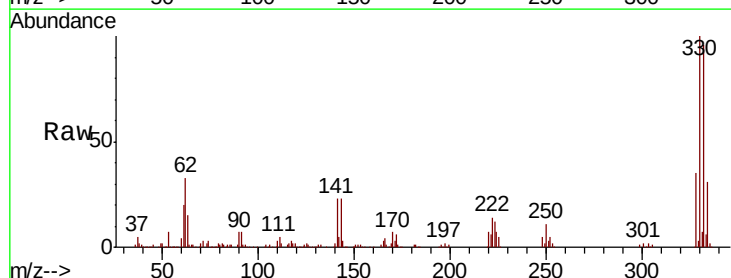


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

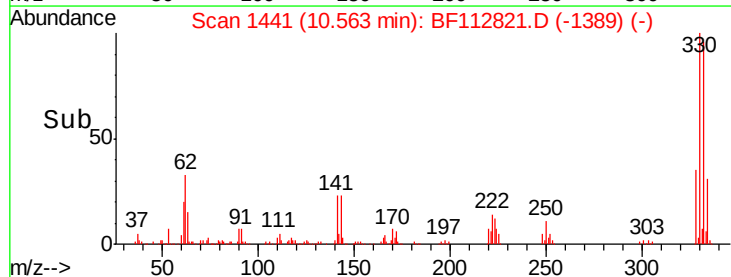
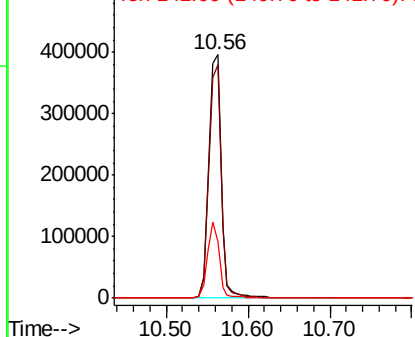


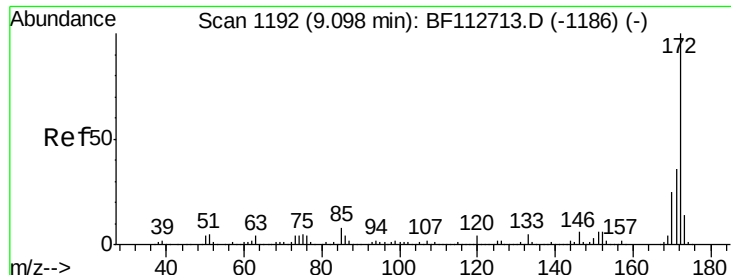
#42
2,4,6-Tribromophenol
Concen: 121.383 ng
RT: 10.56 min Scan# 1441
Delta R.T. 0.01 min
Lab File: BF112821.D
Acq: 4 Mar 2019 13:50

Tgt Ion:330 Resp: 415241
Ion Ratio Lower Upper
330 100
332 95.2 76.2 114.4
141 29.9 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

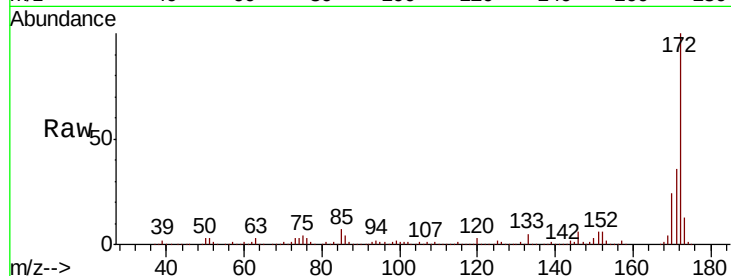




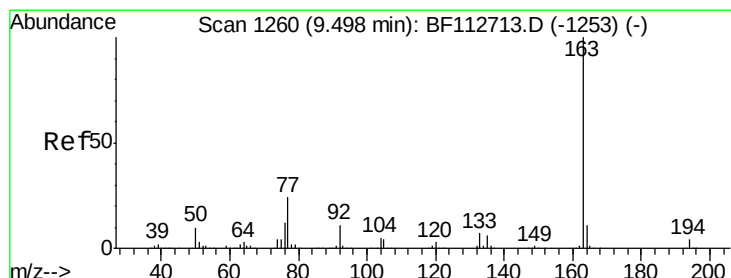
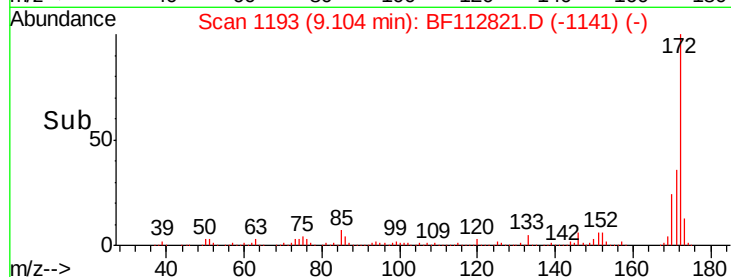
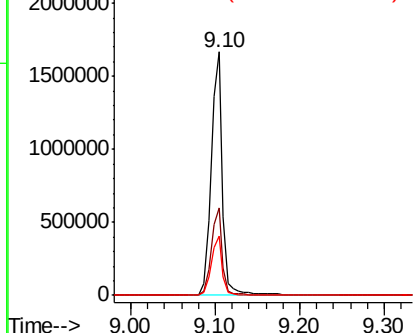
#45
2-Fluorobiphenyl
Concen: 79.332 ng
RT: 9.10 min Scan# 1193
Delta R.T. 0.01 min
Lab File: BF112821.D
Acq: 4 Mar 2019 13:50

Instrument :
BNA_F
ClientSampleId :
S10

Tgt Ion:172 Resp: 1570351
Ion Ratio Lower Upper
172 100
171 36.0 29.0 43.4
170 24.5 20.0 30.0

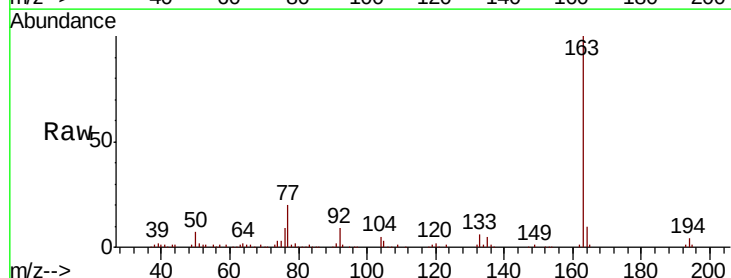


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

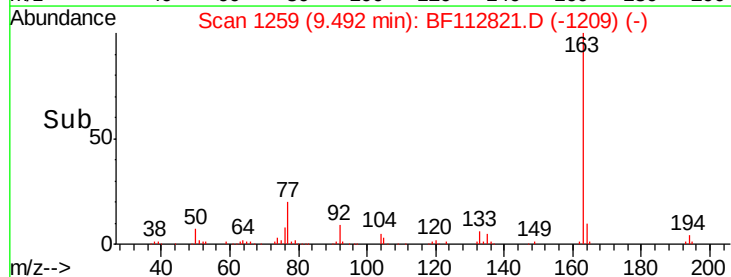
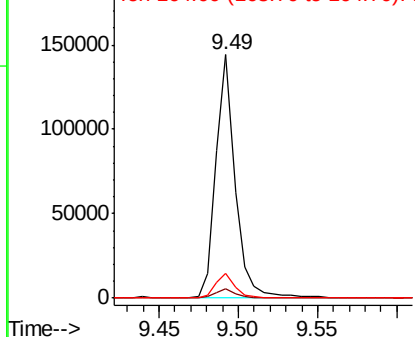


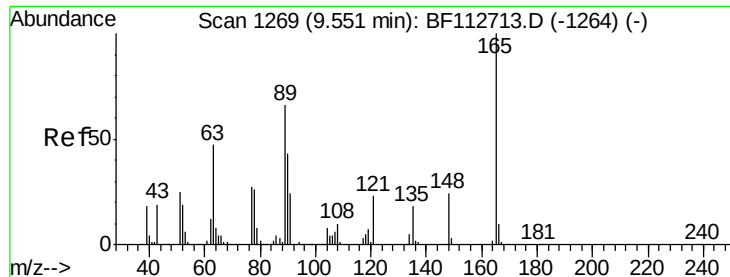
#50
Dimethylphthalate
Concen: 5.154 ng
RT: 9.49 min Scan# 1259
Delta R.T. -0.01 min
Lab File: BF112821.D
Acq: 4 Mar 2019 13:50

Tgt Ion:163 Resp: 122458
Ion Ratio Lower Upper
163 100
194 4.1 3.0 4.4
164 10.3 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

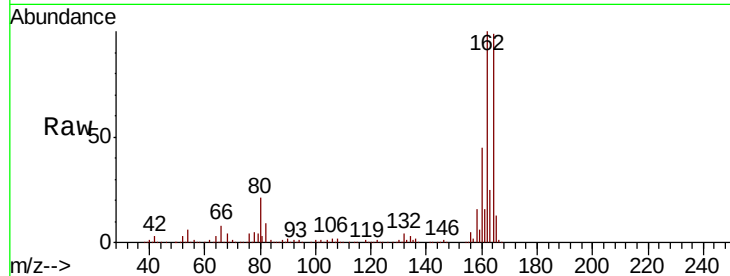




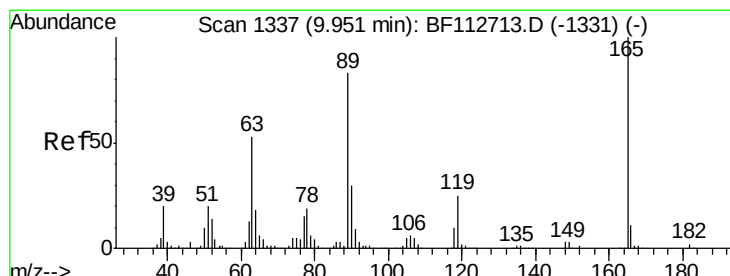
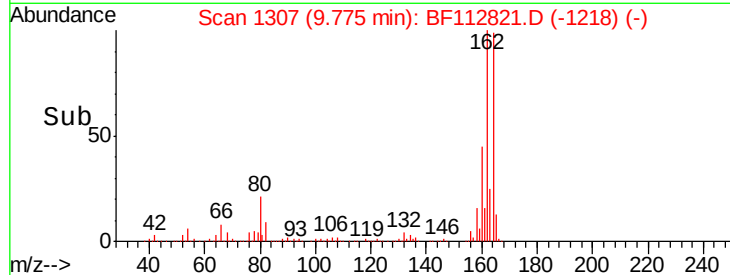
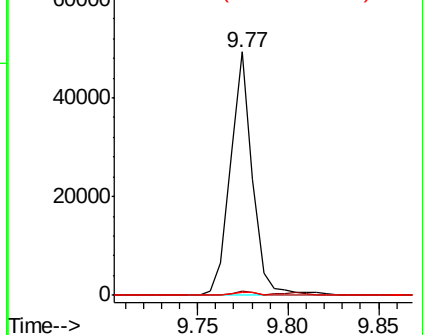
#51
 2,6-Dinitrotoluene
 Concen: 8.485 ng
 RT: 9.77 min Scan# 1307
 Delta R.T. 0.22 min
 Lab File: BF112821.D
 Acq: 4 Mar 2019 13:50

Instrument :
 BNA_F
 ClientSampleId :
 S10

Tgt Ion:165 Resp: 41982
 Ion Ratio Lower Upper
 165 100
 63 1.8 54.1 81.1#
 89 1.3 52.8 79.2#

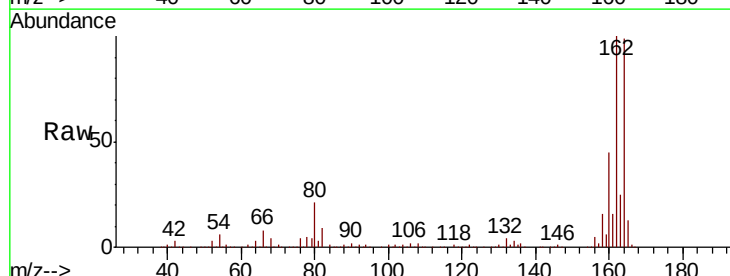


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

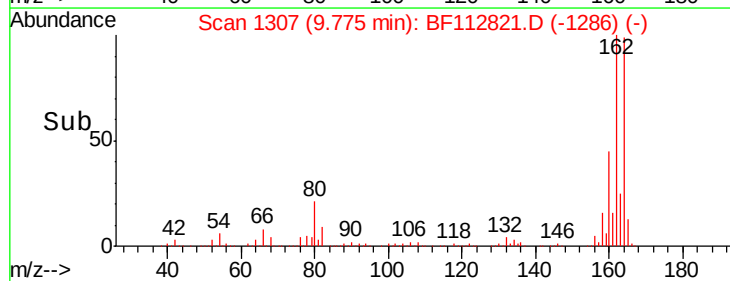
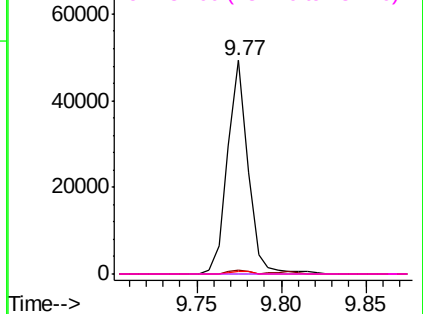


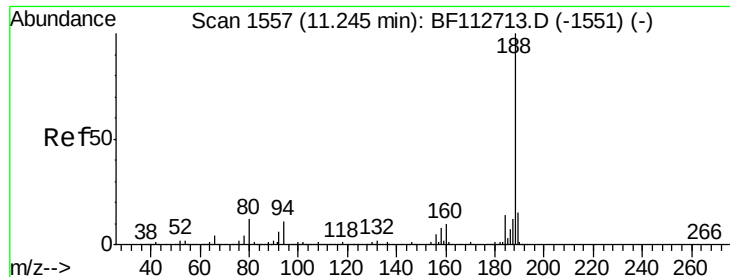
#57
 2,4-Dinitrotoluene
 Concen: 6.826 ng
 RT: 9.77 min Scan# 1307
 Delta R.T. -0.18 min
 Lab File: BF112821.D
 Acq: 4 Mar 2019 13:50

Tgt Ion:165 Resp: 41982
 Ion Ratio Lower Upper
 165 100
 63 1.8 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

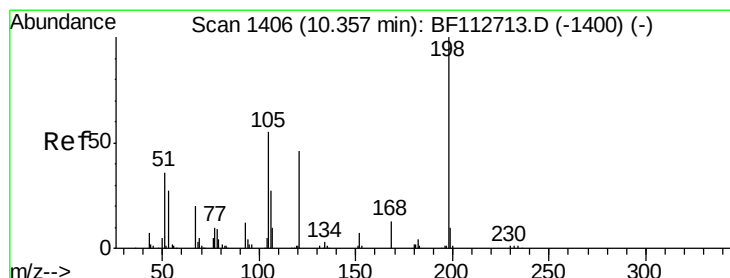
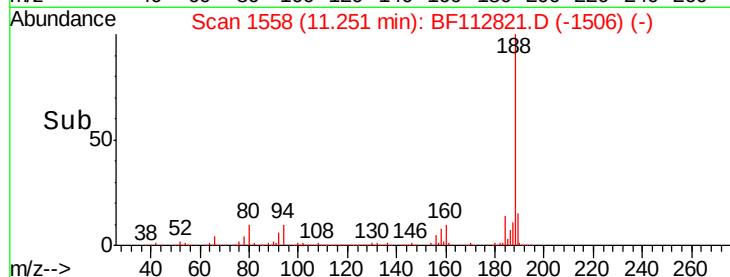
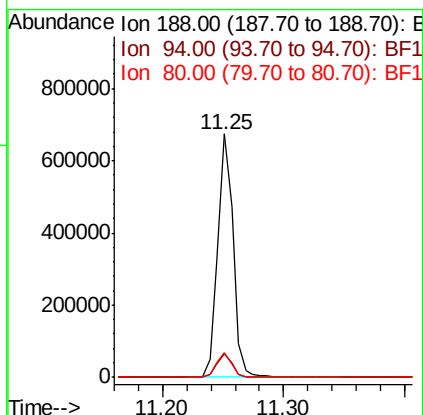
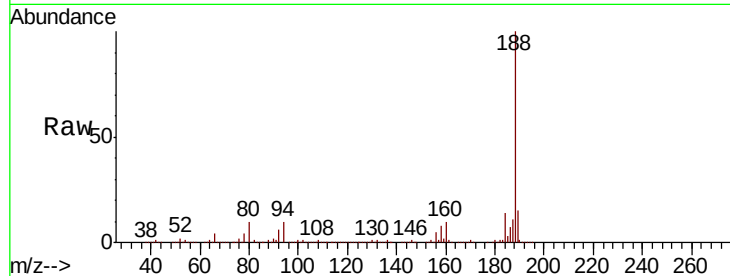




#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.25 min Scan# 1558
 Delta R.T. 0.01 min
 Lab File: BF112821.D
 Acq: 4 Mar 2019 13:50

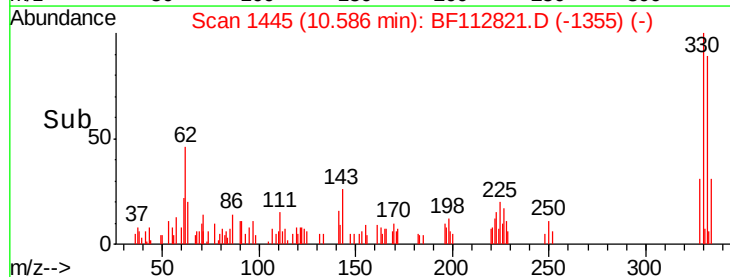
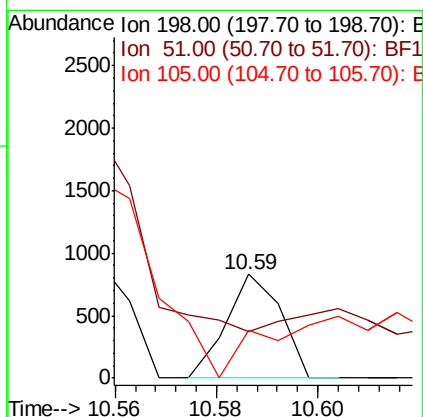
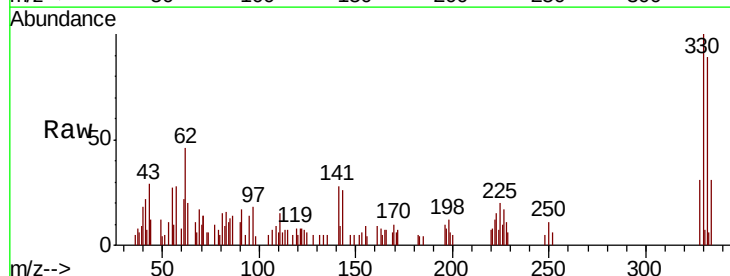
Instrument :
 BNA_F
 ClientSampleId :
 S10

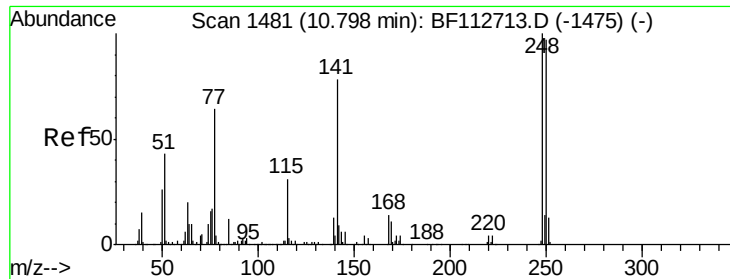
Tgt Ion:188 Resp: 586012
 Ion Ratio Lower Upper
 188 100
 94 9.7 9.0 13.4
 80 10.1 9.2 13.8



#65
 4,6-Dinitro-2-methylphenol
 Concen: 4.845 ng
 RT: 10.59 min Scan# 1445
 Delta R.T. 0.23 min
 Lab File: BF112821.D
 Acq: 4 Mar 2019 13:50

Tgt Ion:198 Resp: 618
 Ion Ratio Lower Upper
 198 100
 51 45.2 43.8 83.8
 105 46.7 36.5 76.5

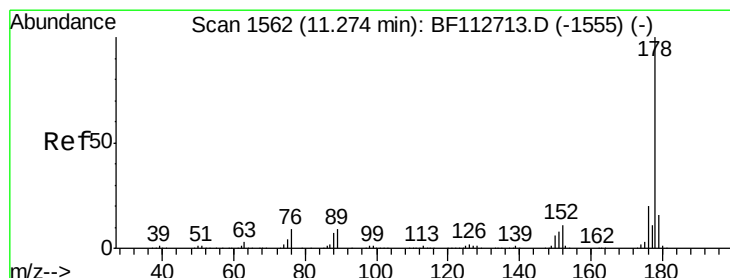
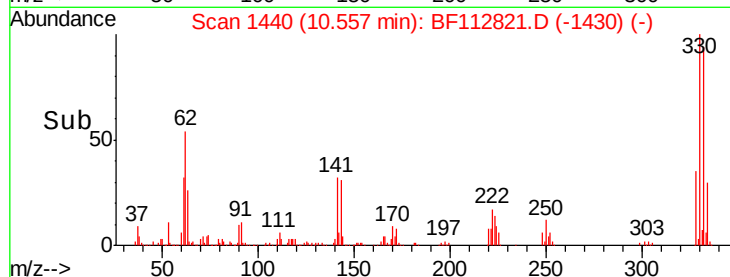
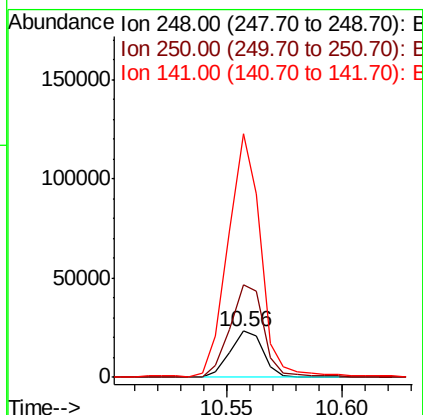
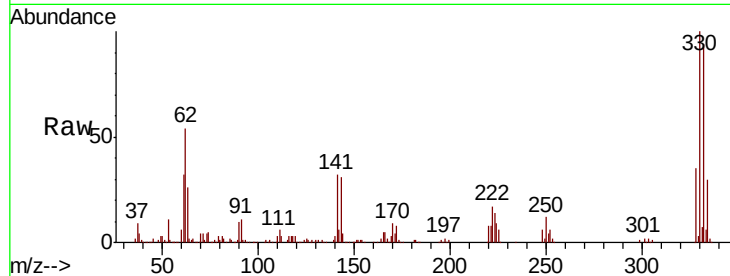




#67
 4-Bromophenyl-phenylether
 Concen: 3.782 ng
 RT: 10.56 min Scan# 1440
 Delta R.T. -0.24 min
 Lab File: BF112821.D
 Acq: 4 Mar 2019 13:50

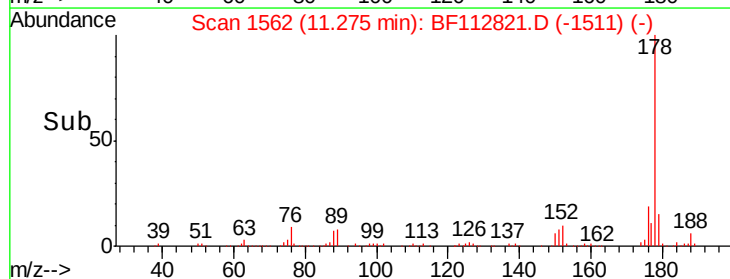
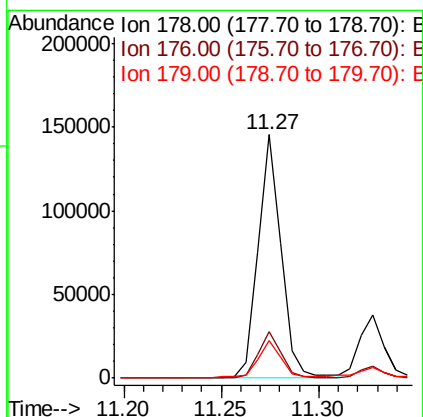
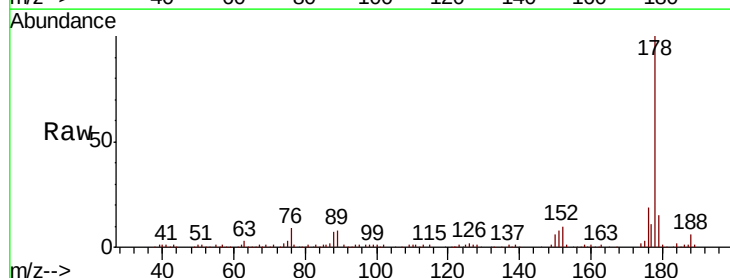
Instrument :
 BNA_F
 ClientSampleId :
 S10

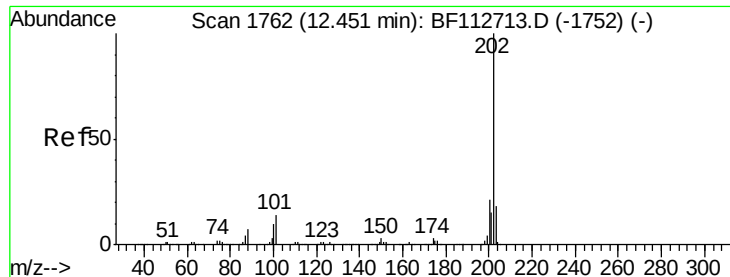
Tgt Ion:248 Resp: 23344
 Ion Ratio Lower Upper
 248 100
 250 201.7 77.5 116.3#
 141 529.6 62.4 93.6#



#71
 Phenanthrene
 Concen: 4.084 ng
 RT: 11.27 min Scan# 1562
 Delta R.T. 0.00 min
 Lab File: BF112821.D
 Acq: 4 Mar 2019 13:50

Tgt Ion:178 Resp: 119079
 Ion Ratio Lower Upper
 178 100
 176 19.0 16.3 24.5
 179 15.3 12.7 19.1





#75

Fluoranthene

Concen: 9.531 ng

RT: 12.46 min Scan# 1763

Delta R.T. 0.01 min

Lab File: BF112821.D

Acq: 4 Mar 2019 13:50

Instrument :

BNA_F

ClientSampleId :

S10

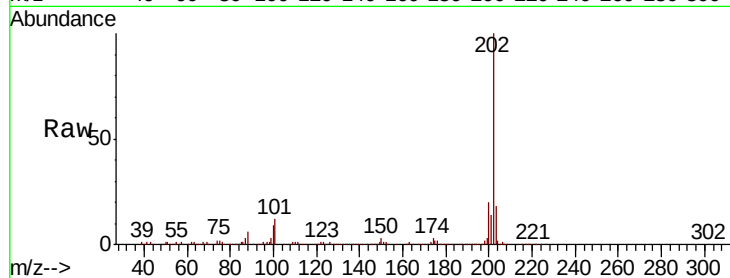
Tgt Ion:202 Resp: 297740

Ion Ratio Lower Upper

202 100

101 12.2 0.0 33.8

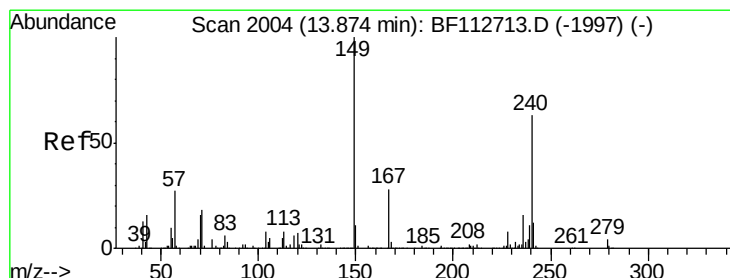
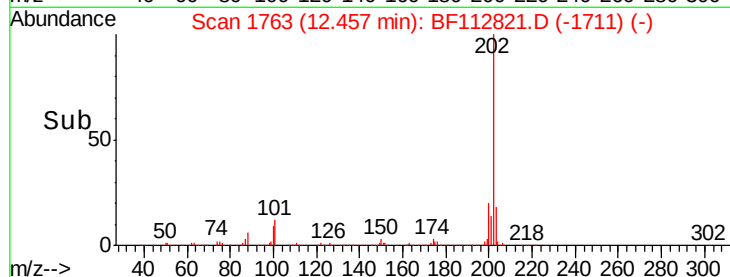
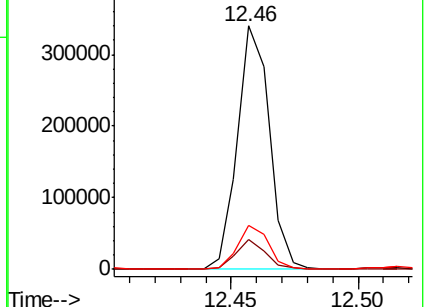
203 17.9 0.0 38.4



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.88 min Scan# 2005

Delta R.T. 0.01 min

Lab File: BF112821.D

Acq: 4 Mar 2019 13:50

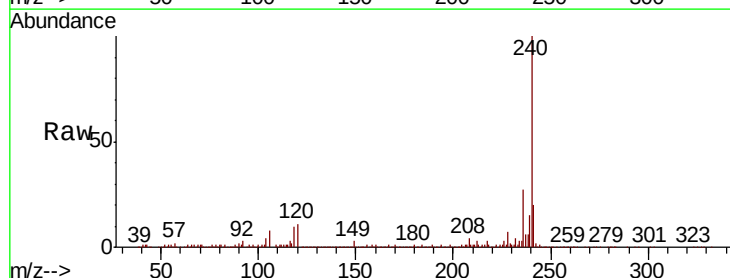
Tgt Ion:240 Resp: 444475

Ion Ratio Lower Upper

240 100

120 11.1 8.9 13.3

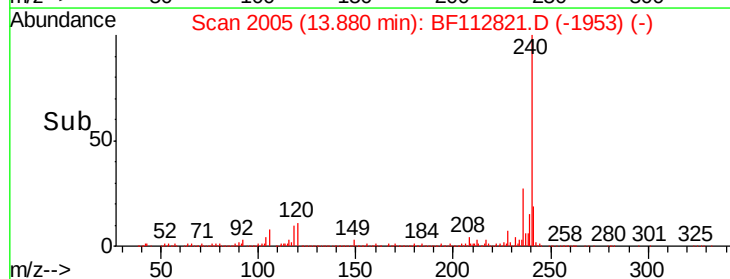
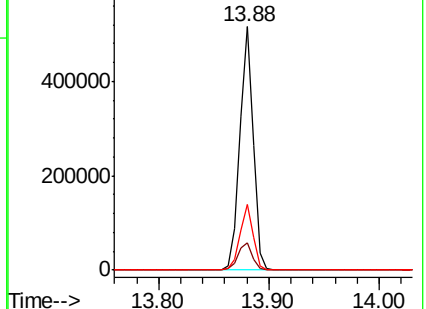
236 26.8 20.7 31.1

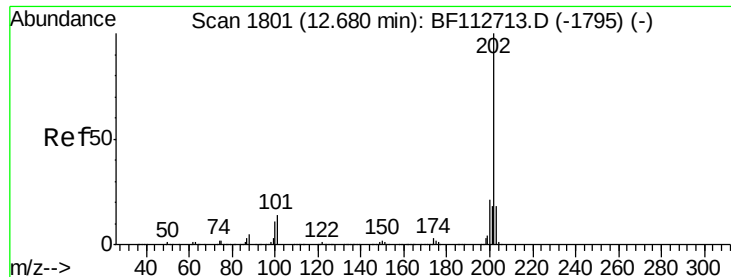


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

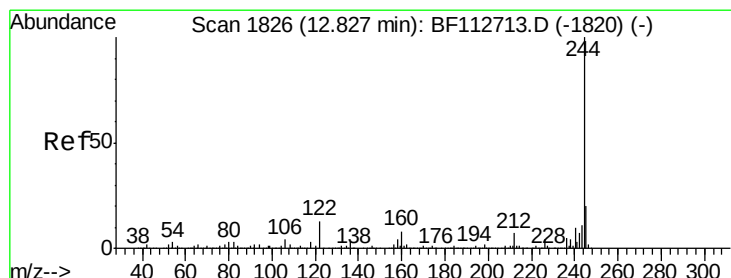
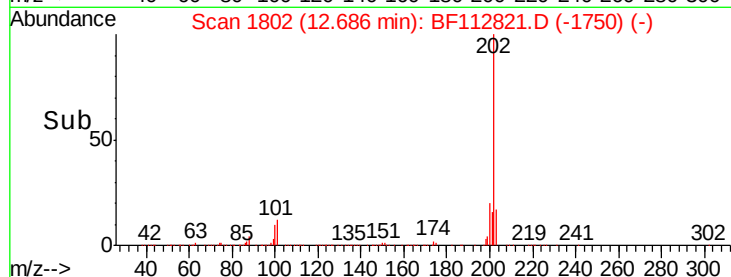
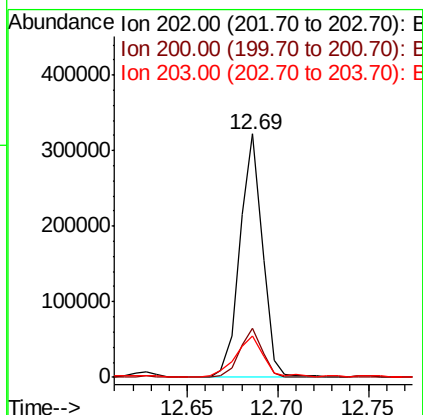
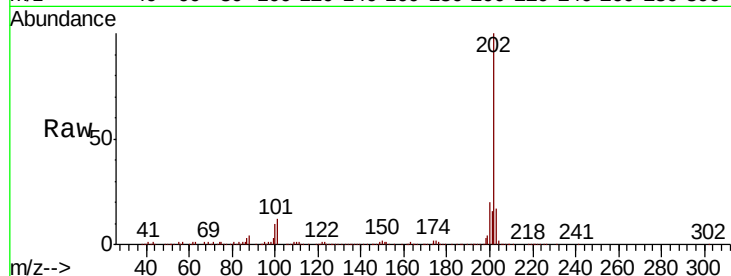




#78
 Pyrene
 Concen: 7.402 ng
 RT: 12.69 min Scan# 1802
 Delta R.T. 0.01 min
 Lab File: BF112821.D
 Acq: 4 Mar 2019 13:50

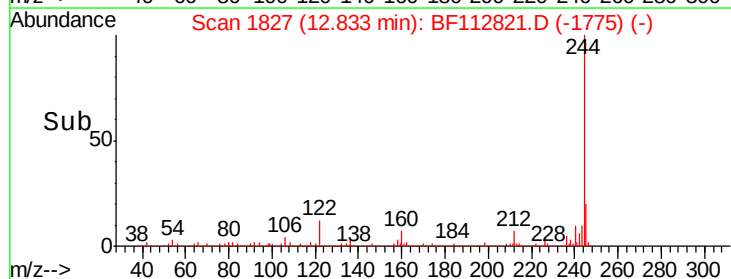
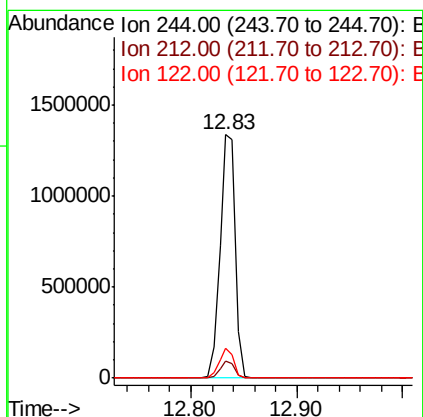
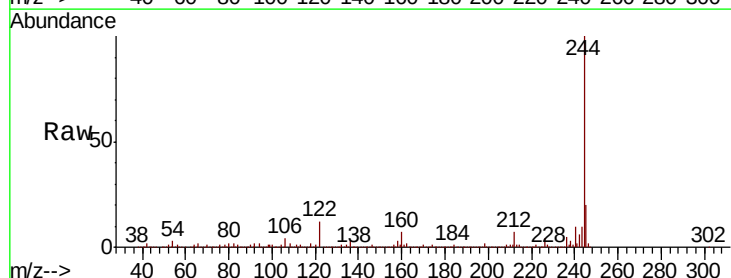
Instrument :
 BNA_F
 ClientSampleId :
 S10

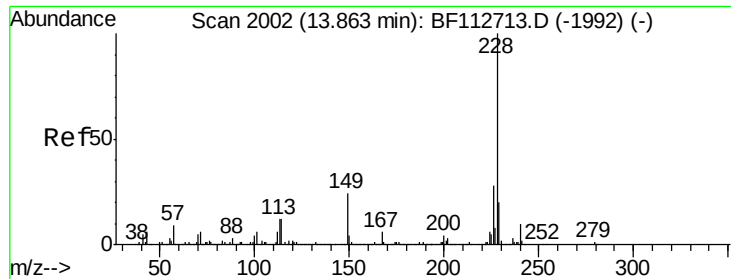
Tgt Ion: 202 Resp: 277364
 Ion Ratio Lower Upper
 202 100
 200 20.1 17.0 25.4
 203 17.0 14.4 21.6



#79
 Terphenyl-d14
 Concen: 59.193 ng
 RT: 12.83 min Scan# 1827
 Delta R.T. 0.01 min
 Lab File: BF112821.D
 Acq: 4 Mar 2019 13:50

Tgt Ion: 244 Resp: 1357234
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.6 8.4
 122 12.4 10.5 15.7





#81

Benzo(a)anthracene

Concen: 5.391 ng

RT: 13.87 min Scan# 2003

Delta R.T. 0.01 min

Lab File: BF112821.D

Acq: 4 Mar 2019 13:50

Instrument :

BNA_F

ClientSampleId :

S10

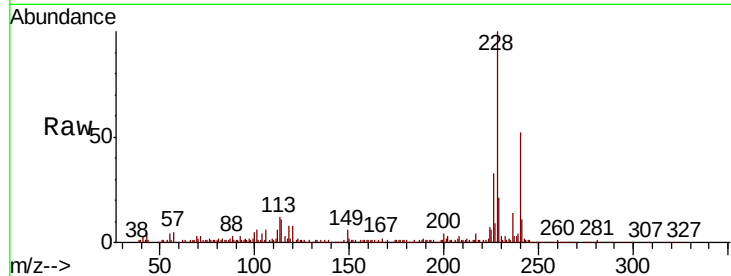
Tgt Ion:228 Resp: 166082

Ion Ratio Lower Upper

228 100

226 33.0 22.2 33.4

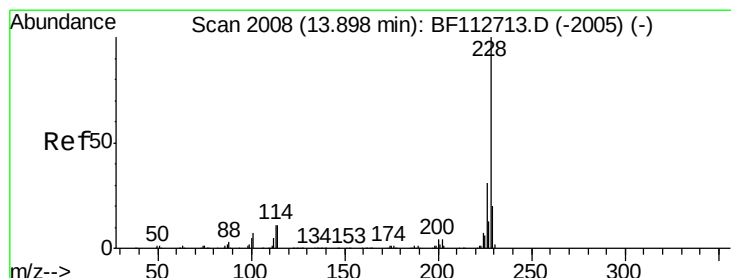
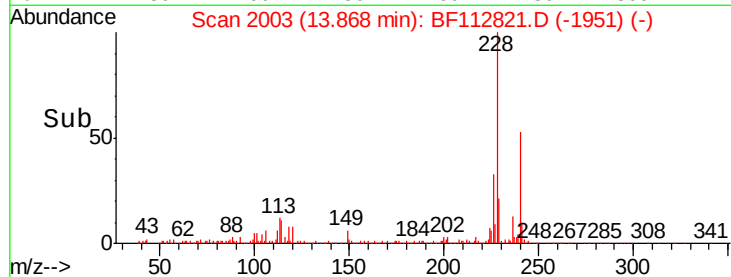
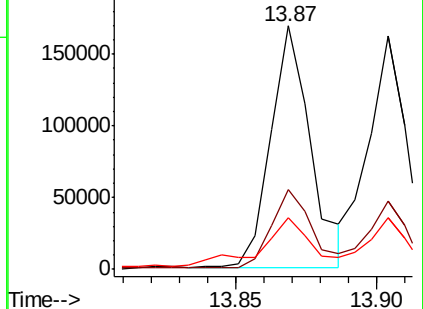
229 21.4 16.0 24.0



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: 4.987 ng

RT: 13.90 min Scan# 2009

Delta R.T. 0.01 min

Lab File: BF112821.D

Acq: 4 Mar 2019 13:50

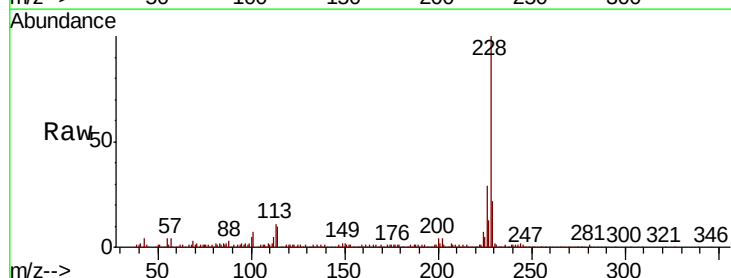
Tgt Ion:228 Resp: 150475

Ion Ratio Lower Upper

228 100

226 29.4 24.9 37.3

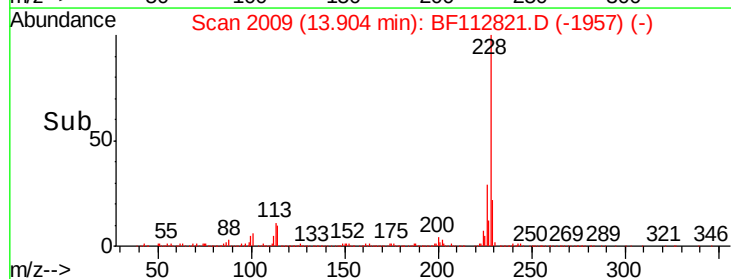
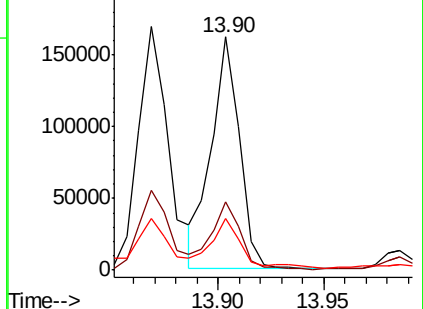
229 22.0 16.3 24.5

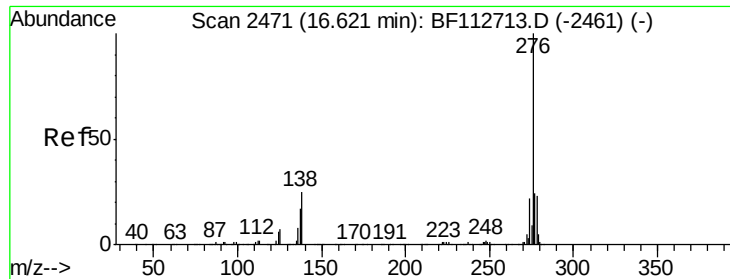


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

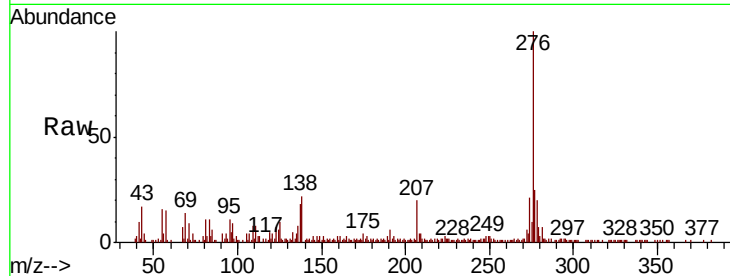




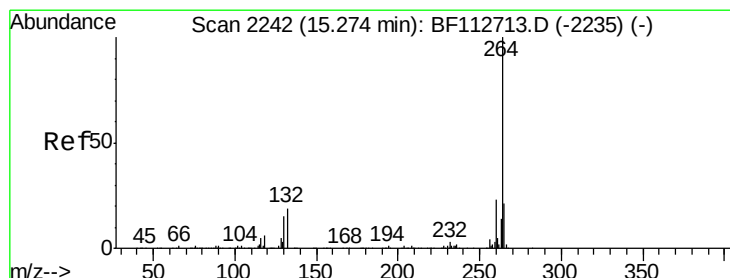
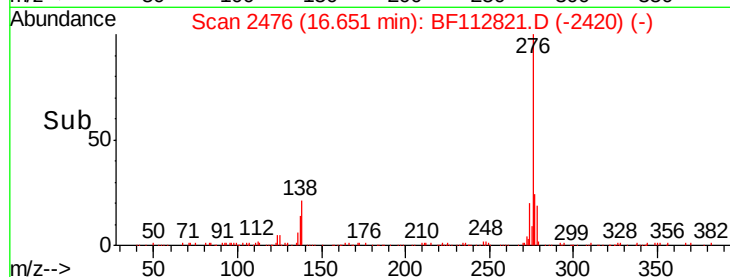
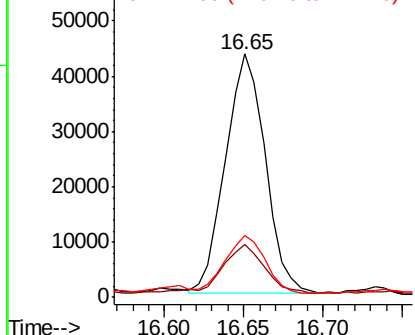
#86
 Indeno(1,2,3-cd)pyrene
 Concen: 2.962 ng
 RT: 16.65 min Scan# 2476
 Delta R.T. 0.03 min
 Lab File: BF112821.D
 Acq: 4 Mar 2019 13:50

Instrument :
 BNA_F
 ClientSampleId :
 S10

Tgt Ion: 276 Resp: 76186
 Ion Ratio Lower Upper
 276 100
 138 22.1 23.2 34.8#
 277 24.0 19.9 29.9

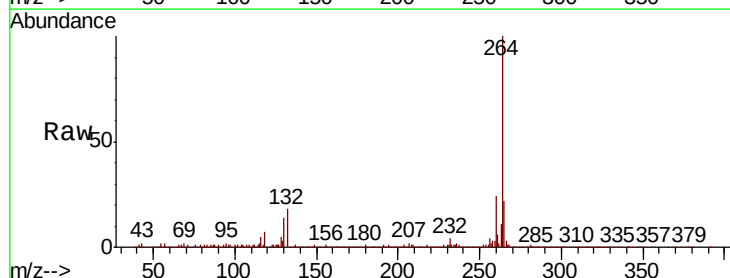


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

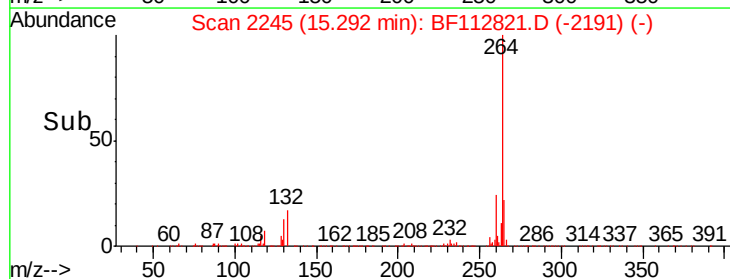
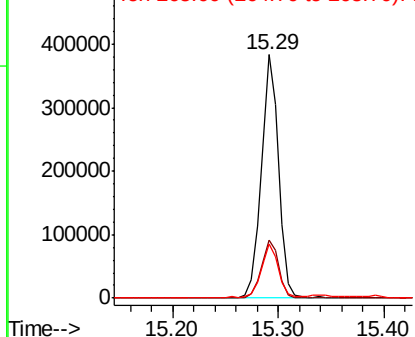


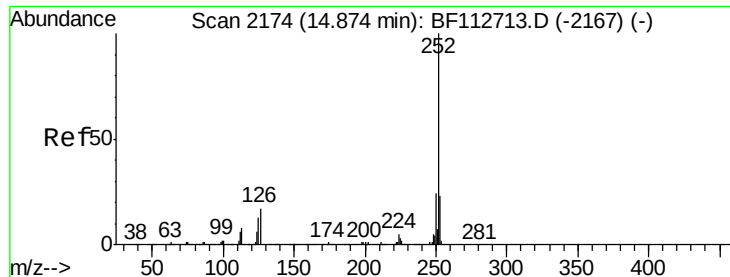
#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.29 min Scan# 2245
 Delta R.T. 0.02 min
 Lab File: BF112821.D
 Acq: 4 Mar 2019 13:50

Tgt Ion: 264 Resp: 443918
 Ion Ratio Lower Upper
 264 100
 260 23.9 18.7 28.1
 265 22.3 17.2 25.8



Abundance Ion 264.00 (263.70 to 264.70): E
 Ion 260.00 (259.70 to 260.70): E
 Ion 265.00 (264.70 to 265.70): E

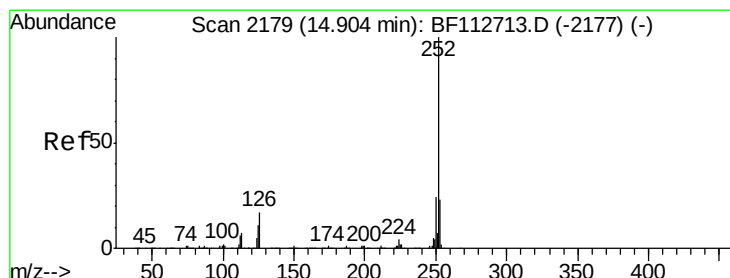
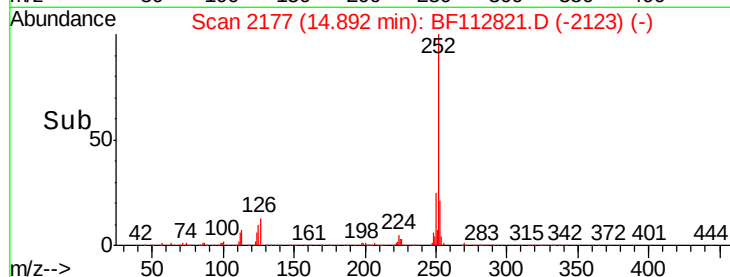
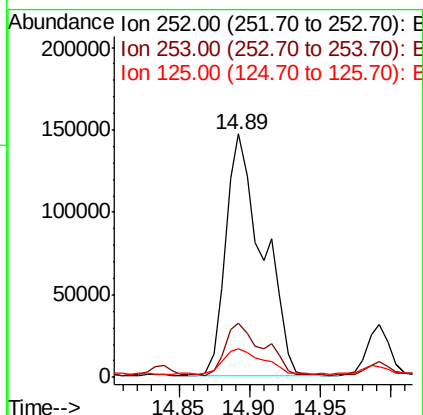
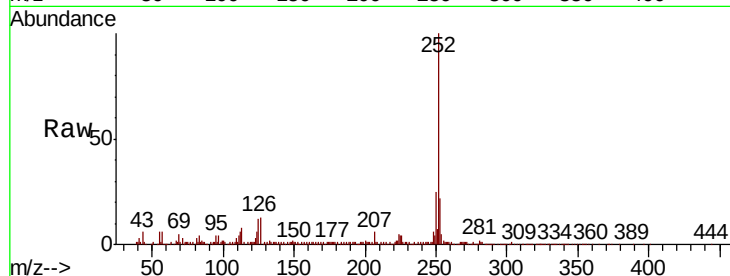




#88
Benzo(b)fluoranthene
Concen: 9.325 ng
RT: 14.89 min Scan# 2177
Delta R.T. 0.02 min
Lab File: BF112821.D
Acq: 4 Mar 2019 13:50

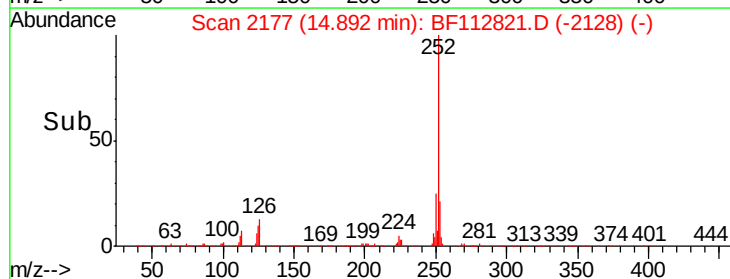
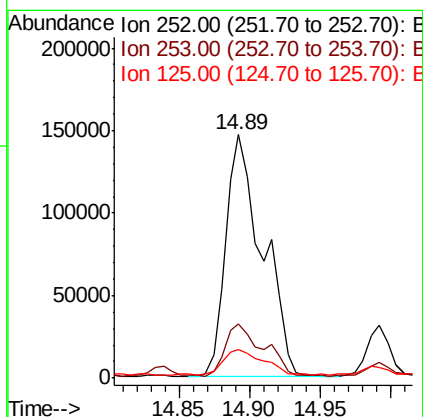
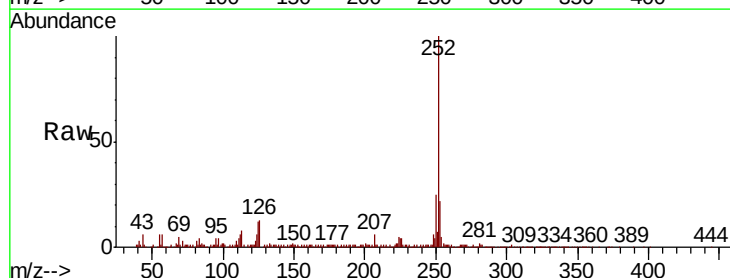
Instrument :
BNA_F
ClientSampleId :
S10

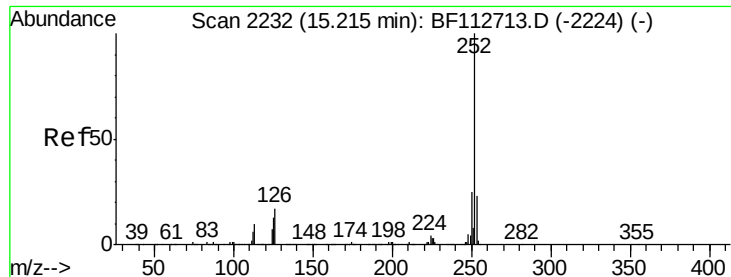
Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.2	18.0	27.0
125	11.7	10.2	15.2



#89
Benzo(k)fluoranthene
Concen: 10.295 ng
RT: 14.89 min Scan# 2177
Delta R.T. -0.01 min
Lab File: BF112821.D
Acq: 4 Mar 2019 13:50

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.2	18.2	27.2
125	11.7	9.8	14.6





#90

Benzo(a)pyrene

Concen: 5.464 ng

RT: 15.23 min Scan# 2235

Delta R.T. 0.02 min

Lab File: BF112821.D

Acq: 4 Mar 2019 13:50

Instrument :

BNA_F

ClientSampleId :

S10

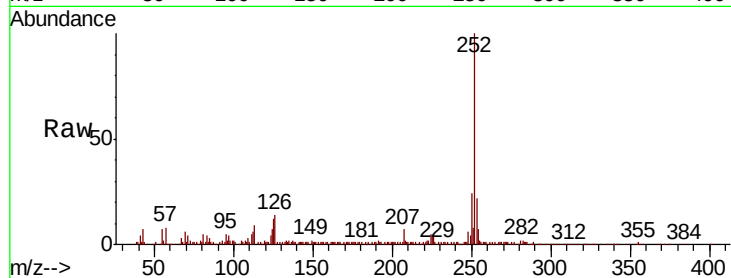
Tgt Ion:252 Resp: 138782

Ion Ratio Lower Upper

252 100

253 22.2 18.0 27.0

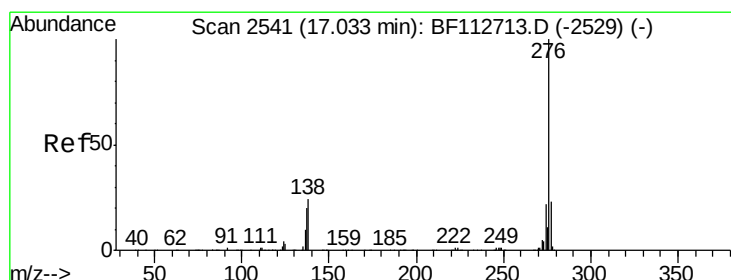
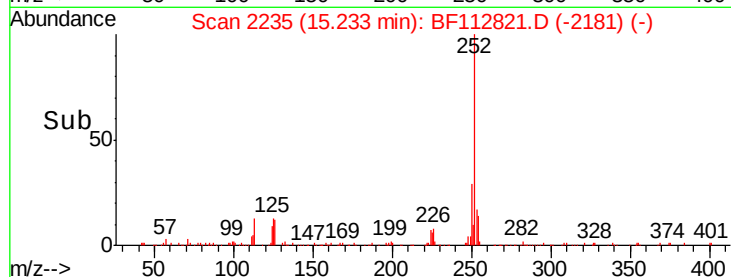
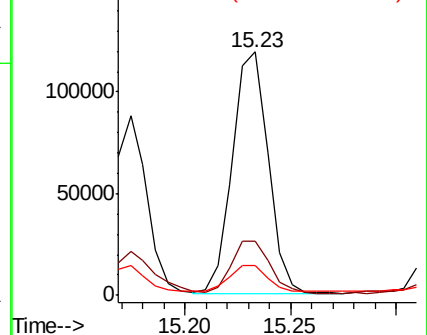
125 12.3 10.7 16.1



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: 3.106 ng

RT: 17.06 min Scan# 2546

Delta R.T. 0.03 min

Lab File: BF112821.D

Acq: 4 Mar 2019 13:50

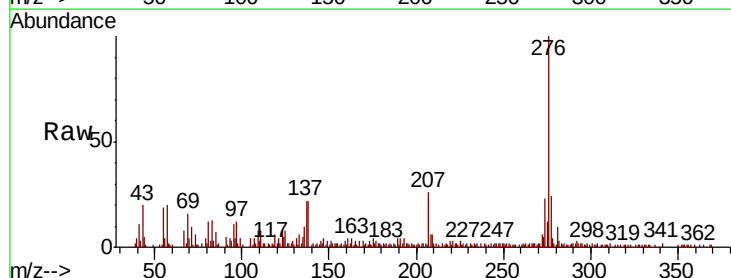
Tgt Ion:276 Resp: 67587

Ion Ratio Lower Upper

276 100

277 24.0 18.6 27.8

138 21.9 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

