

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF012419\
 Data File : BF112220.D
 Acq On : 24 Jan 2019 20:29
 Operator : JU/SJ
 Sample : K1223-08 2X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TS-T

Quant Time: Jan 25 00:05:11 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF011619.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Jan 19 01:02:12 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	159746	20.00	ng	0.00
21) Naphthalene-d8	8.14	136	636257	20.00	ng	0.00
39) Acenaphthene-d10	9.90	164	364230	20.00	ng	0.00
64) Phenanthrene-d10	11.39	188	596384	20.00	ng	0.00
76) Chrysene-d12	14.03	240	404210	20.00	ng	0.00
87) Perylene-d12	15.51	264	286912	20.00	ng	0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	417375	47.42	ng	0.00
7) Phenol-d6	6.50	99	522597	47.46	ng	0.00
23) Nitrobenzene-d5	7.42	82	318262	34.56	ng	-0.01
42) 2,4,6-Tribromophenol	10.69	330	173852	44.25	ng	0.00
45) 2-Fluorobiphenyl	9.21	172	793575	31.94	ng	0.00
79) Terphenyl-d14	12.96	244	595998	31.37	ng	0.00

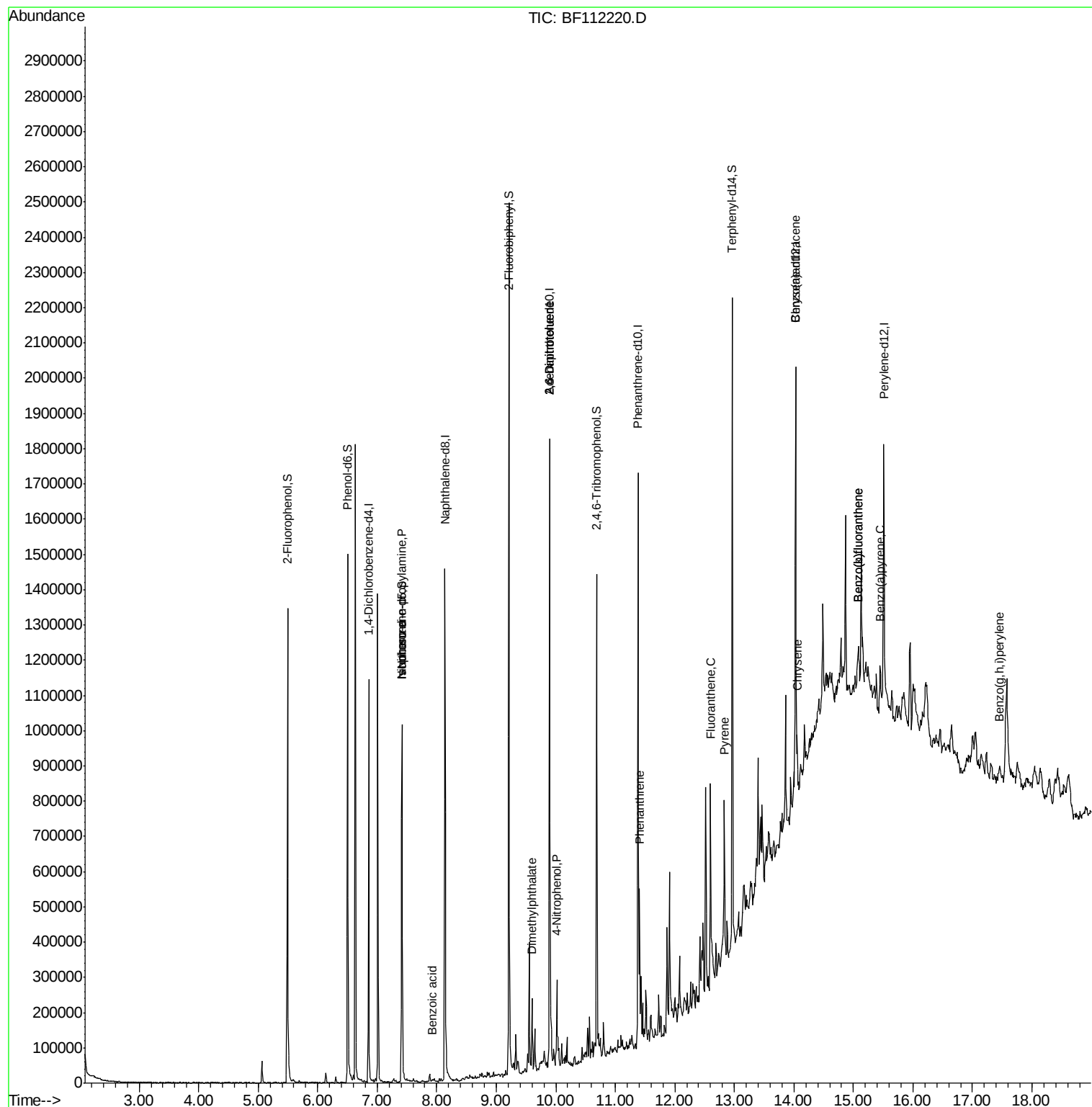
Target Compounds				Qvalue		
9) Benzaldehyde	6.40	77	460	Below Cal	#	36
19) n-Nitroso-di-n-propylamine	7.42	70	43145	6.432 ng	#	75
25) Isophorone	7.42	82	318259	17.892 ng	#	63
32) Benzoic acid	7.92	122	847	7.414 ng	#	1
50) Dimethylphthalate	9.60	163	56692	2.134 ng		99
51) 2,6-Dinitrotoluene	9.90	165	47094	8.878 ng	#	35
56) 4-Nitrophenol	10.02	139	225	5.704 ng	#	1
57) 2,4-Dinitrotoluene	9.90	165	47094	10.837 ng	#	32
71) Phenanthrene	11.41	178	145154	4.836 ng		94
75) Fluoranthene	12.60	202	202417	6.388 ng		99
78) Pyrene	12.83	202	172167	6.456 ng		97
81) Benzo(a)anthracene	14.02	228	71462	3.083 ng		95
83) Chrysene	14.06	228	70977	3.237 ng		95
88) Benzo(b)fluoranthene	15.08	252	92448	5.676 ng	#	73
89) Benzo(k)fluoranthene	15.08	252	92448	5.865 ng	#	73
90) Benzo(a)pyrene	15.44	252	43257	2.896 ng	#	73
92) Benzo(g,h,i)perylene	17.46	276	26580	2.034 ng	#	85

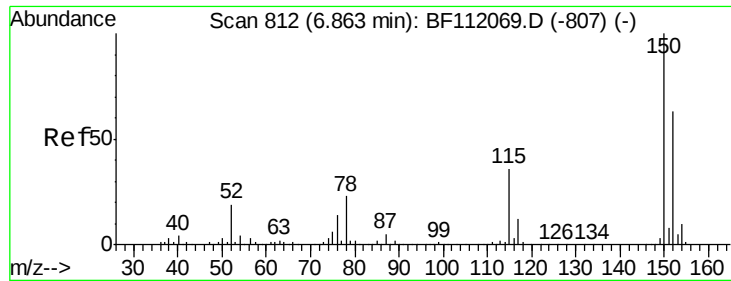
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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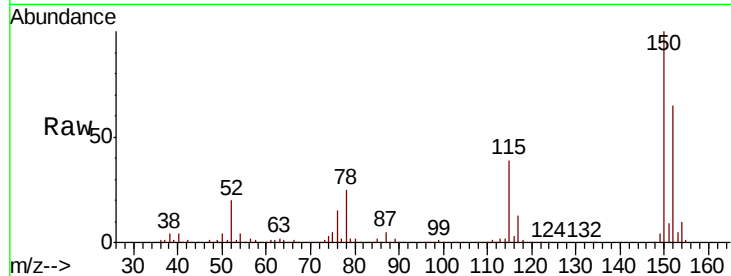


#1

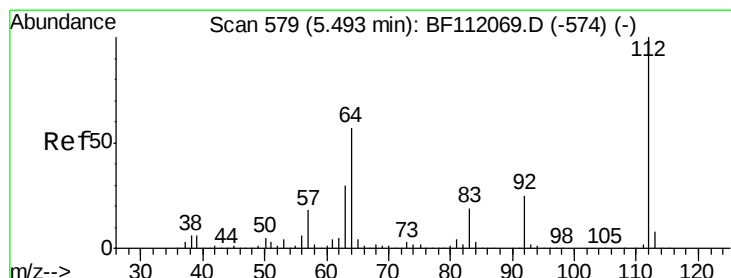
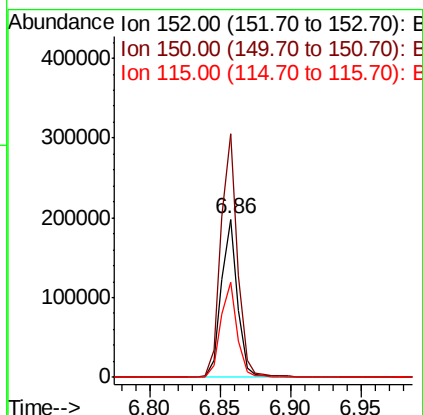
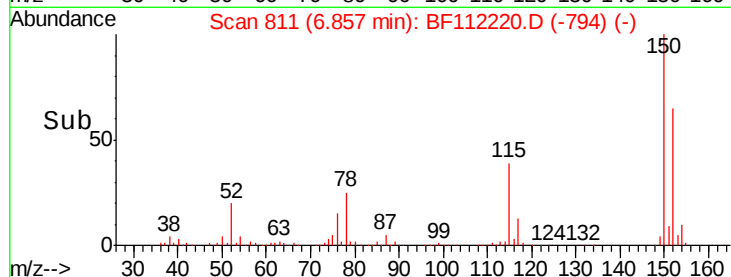
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 811
Delta R.T. 0.00 min
Lab File: BF112220.D
Acq: 24 Jan 2019 20:29

Instrument :
BNA_F
ClientSampleId :
TS-T

Tgt Ion:152 Resp: 159746
Ion Ratio Lower Upper
152 100
150 154.1 127.4 191.0
115 59.9 45.5 68.3



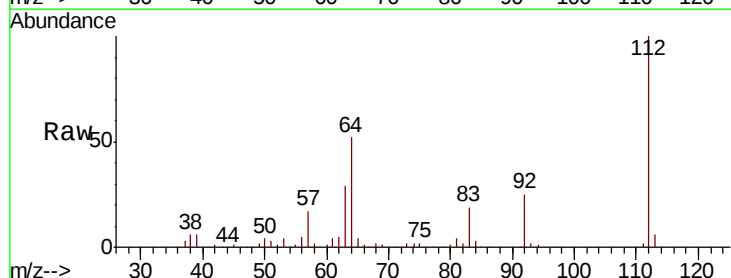
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



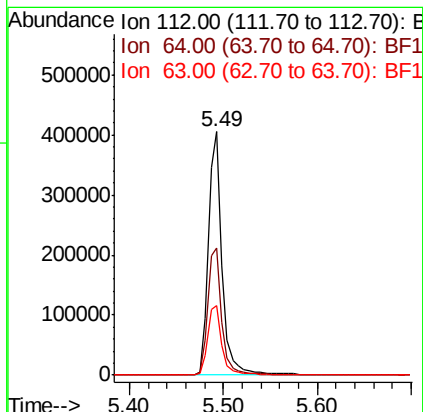
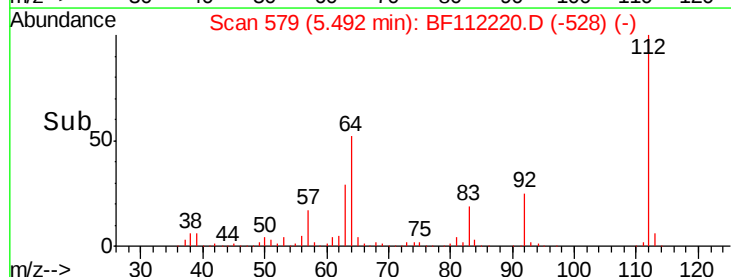
#5

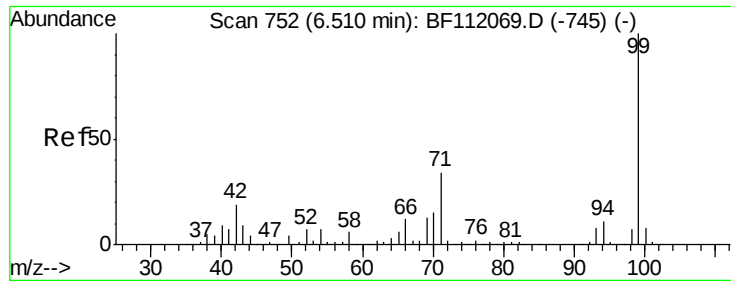
2-Fluorophenol
Concen: 47.422 ng
RT: 5.49 min Scan# 579
Delta R.T. 0.00 min
Lab File: BF112220.D
Acq: 24 Jan 2019 20:29

Tgt Ion:112 Resp: 417375
Ion Ratio Lower Upper
112 100
64 52.4 45.7 68.5
63 28.7 23.6 35.4



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: 47.458 ng

RT: 6.50 min Scan# 751

Delta R.T. 0.00 min

Lab File: BF112220.D

Acq: 24 Jan 2019 20:29

Instrument :

BNA_F

ClientSampleId :

TS-T

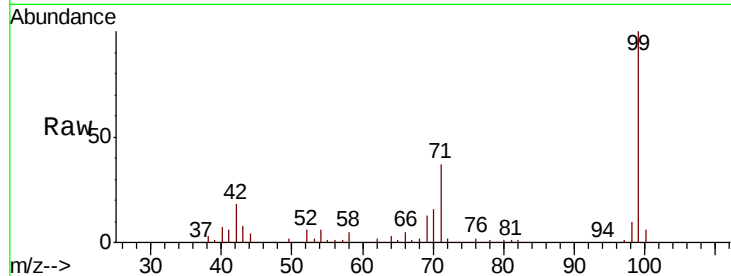
Tgt Ion: 99 Resp: 522597

Ion Ratio Lower Upper

99 100

42 17.8 15.1 22.7

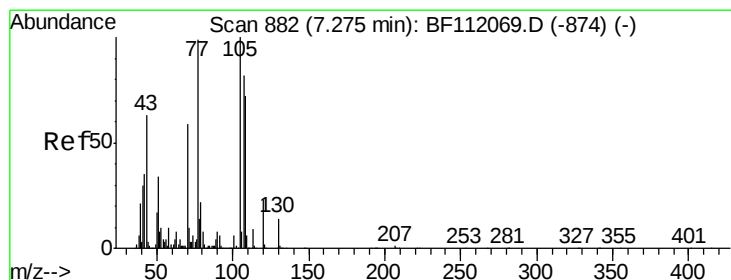
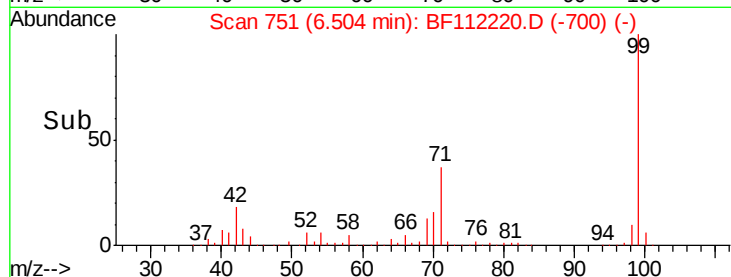
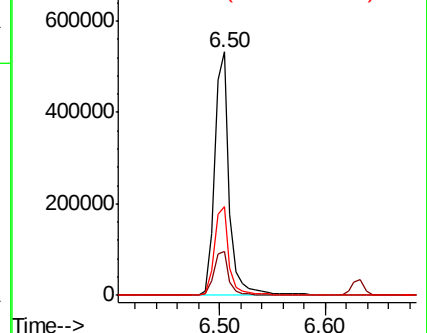
71 36.5 26.9 40.3



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



#19

n-Nitroso-di-n-propylamine

Concen: 6.432 ng

RT: 7.42 min Scan# 906

Delta R.T. 0.14 min

Lab File: BF112220.D

Acq: 24 Jan 2019 20:29

Tgt Ion: 70 Resp: 43145

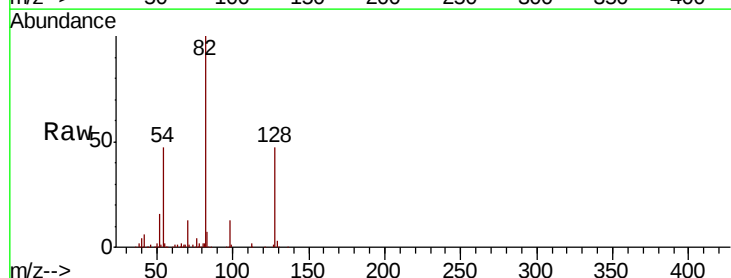
Ion Ratio Lower Upper

70 100

42 46.7 47.6 71.4#

101 0.0 7.9 11.9#

130 1.9 18.4 27.6#

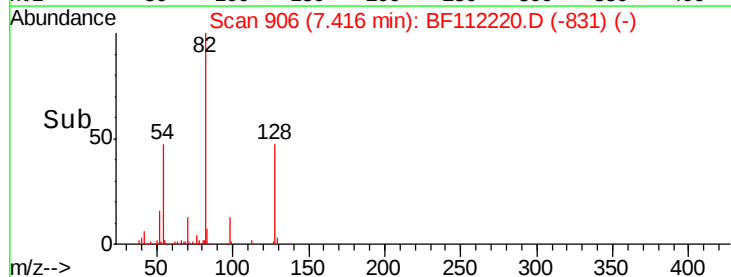
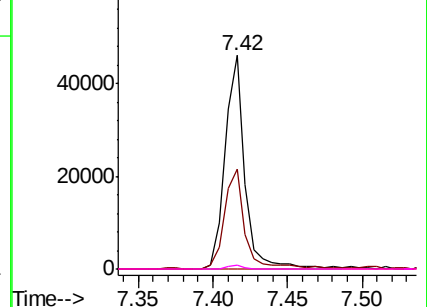


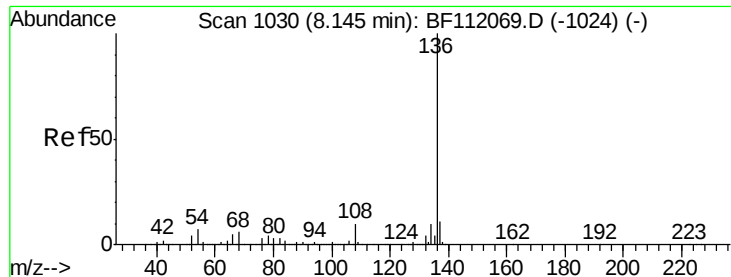
Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1

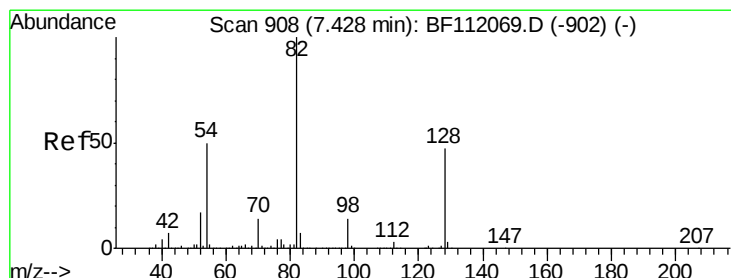
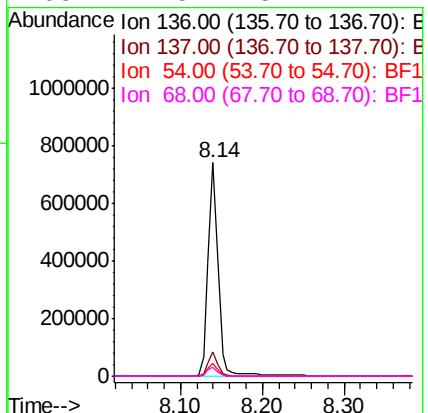
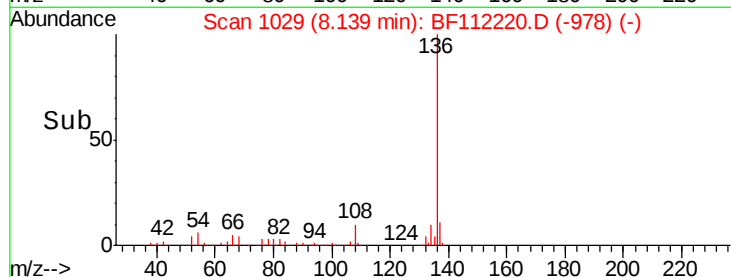
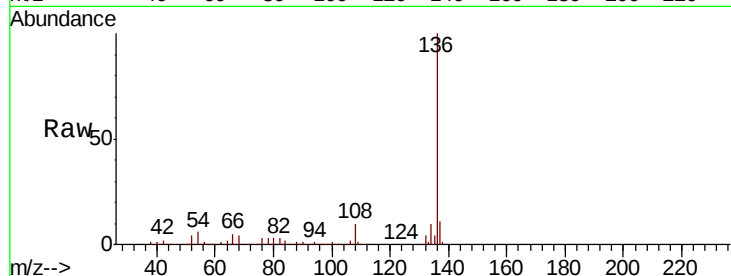




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.14 min Scan# 1029
Delta R.T. 0.00 min
Lab File: BF112220.D
Acq: 24 Jan 2019 20:29

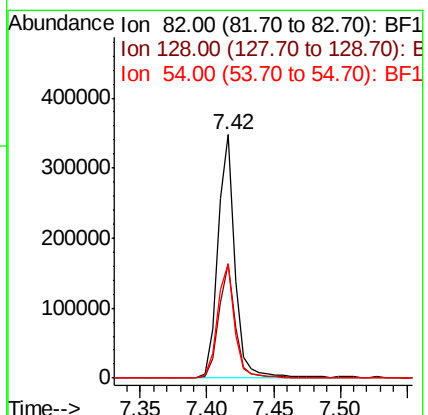
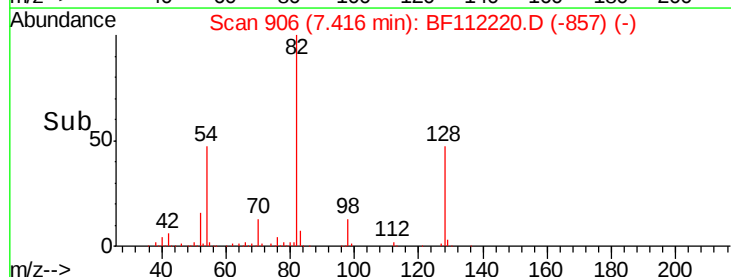
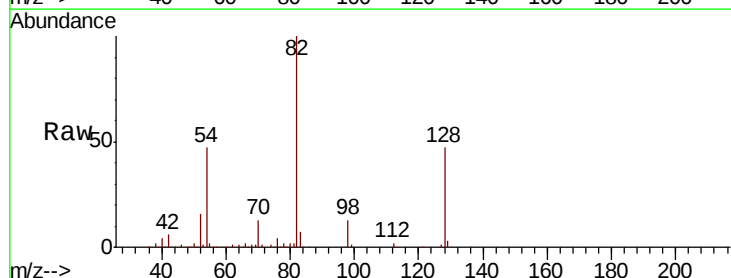
Instrument :
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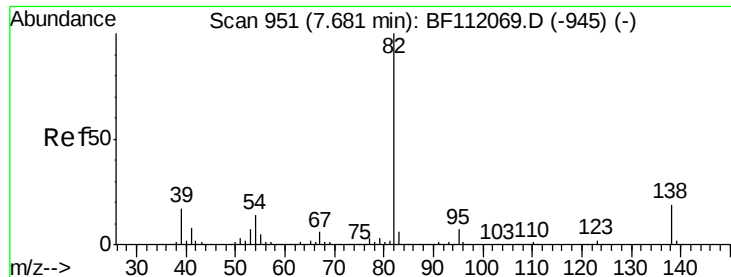
Tgt Ion:	136	Resp:	636257
Ion	Ratio	Lower	Upper
136	100		
137	11.4	9.1	13.7
54	6.0	5.9	8.9
68	4.5	5.1	7.7#



#23
Nitrobenzene-d5
Concen: 34.559 ng
RT: 7.42 min Scan# 906
Delta R.T. -0.01 min
Lab File: BF112220.D
Acq: 24 Jan 2019 20:29

Tgt Ion:	82	Resp:	318262
Ion	Ratio	Lower	Upper
82	100		
128	46.9	37.8	56.8
54	47.0	39.7	59.5





#25

Isophorone

Concen: 17.892 ng

RT: 7.42 min Scan# 906

Delta R.T. -0.26 min

Lab File: BF112220.D

Acq: 24 Jan 2019 20:29

Instrument :

BNA_F

ClientSampleId :

TS-T

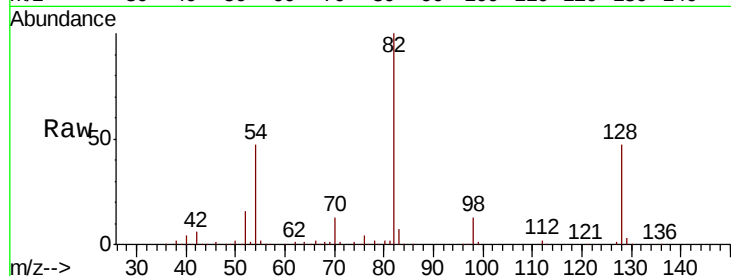
Tgt Ion: 82 Resp: 318259

Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

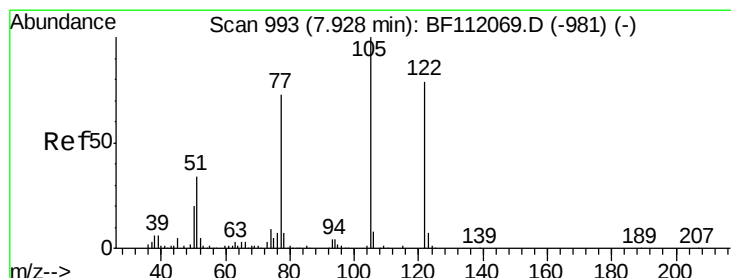
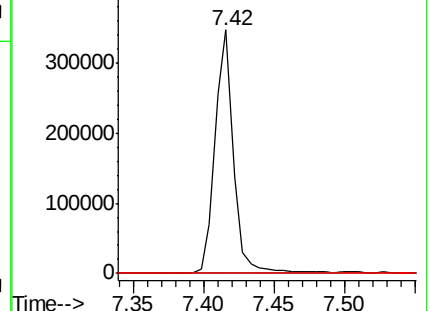
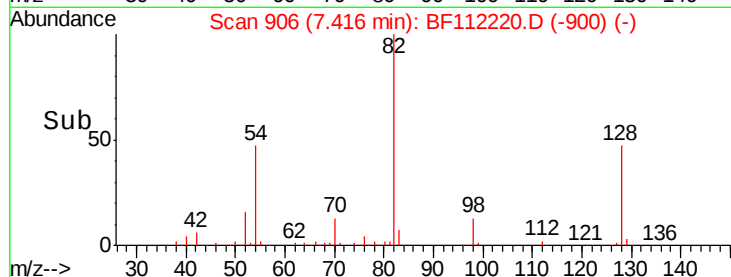
138 0.0 15.4 23.0#



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



#32

Benzoic acid

Concen: 7.414 ng

RT: 7.92 min Scan# 992

Delta R.T. -0.02 min

Lab File: BF112220.D

Acq: 24 Jan 2019 20:29

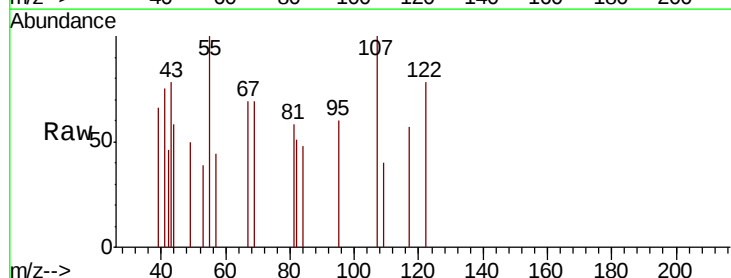
Tgt Ion: 122 Resp: 847

Ion Ratio Lower Upper

122 100

105 0.0 101.2 141.2#

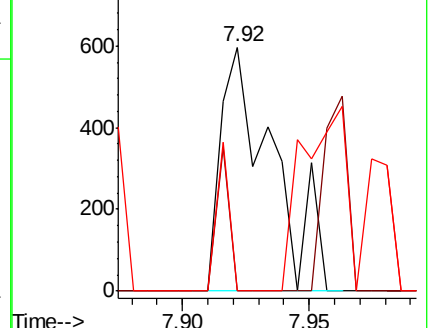
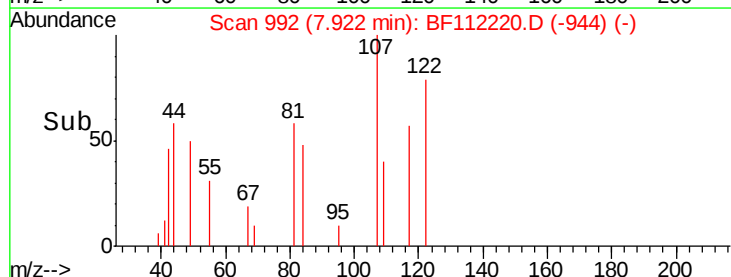
77 0.0 70.4 110.4#

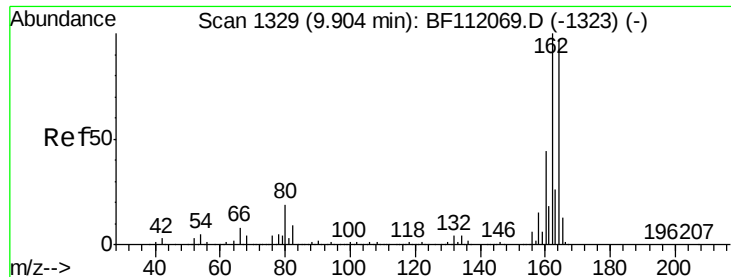


Abundance Ion 122.00 (121.70 to 122.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 77.00 (76.70 to 77.70): BF1

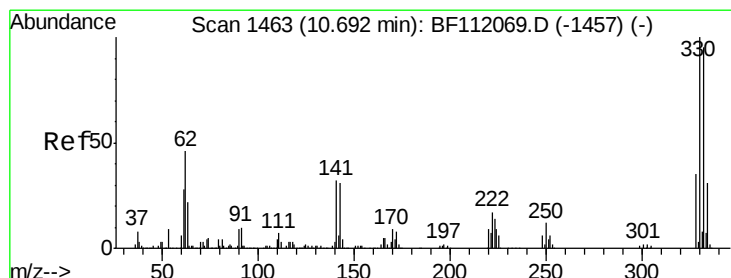
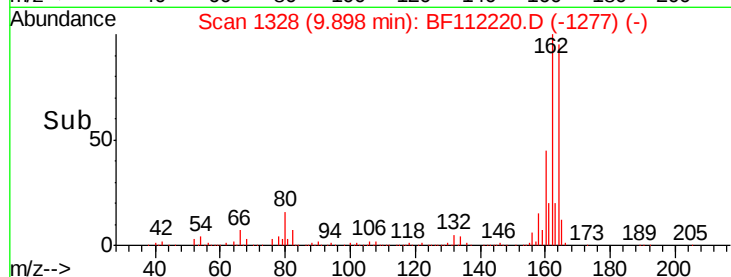
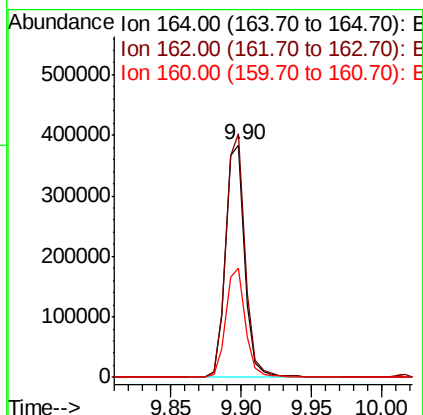
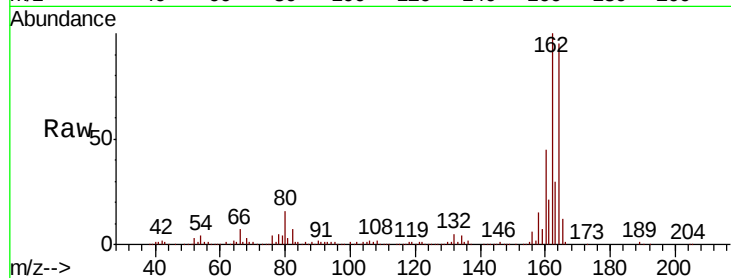




#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.90 min Scan# 1328
 Delta R.T. 0.00 min
 Lab File: BF112220.D
 Acq: 24 Jan 2019 20:29

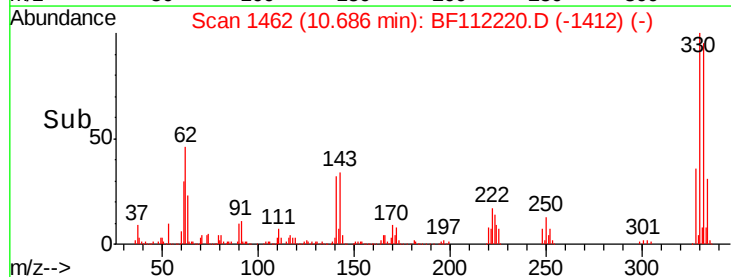
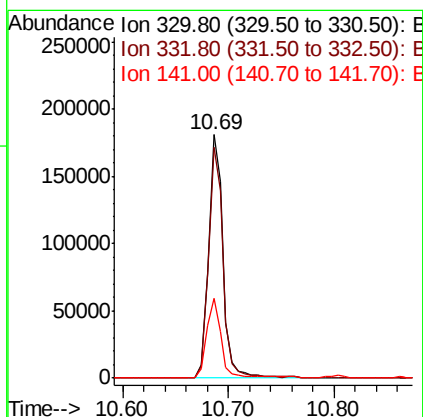
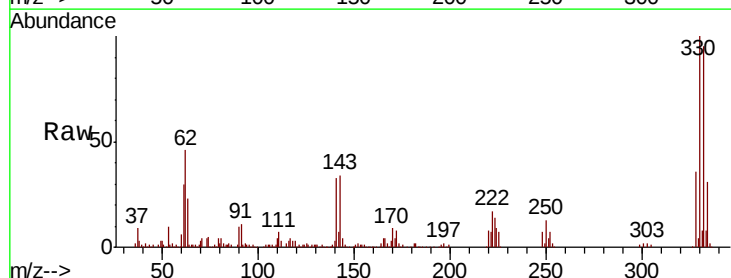
Instrument :
 BNA_F
 ClientSampleId :
 TS-T

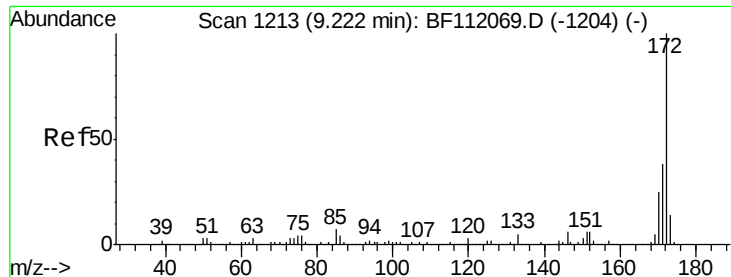
Tgt Ion:164 Resp: 364230
 Ion Ratio Lower Upper
 164 100
 162 104.7 82.2 123.4
 160 47.2 36.2 54.4



#42
 2,4,6-Tribromophenol
 Concen: 44.246 ng
 RT: 10.69 min Scan# 1462
 Delta R.T. -0.01 min
 Lab File: BF112220.D
 Acq: 24 Jan 2019 20:29

Tgt Ion:330 Resp: 173852
 Ion Ratio Lower Upper
 330 100
 332 95.1 76.6 114.8
 141 31.6 24.3 36.5

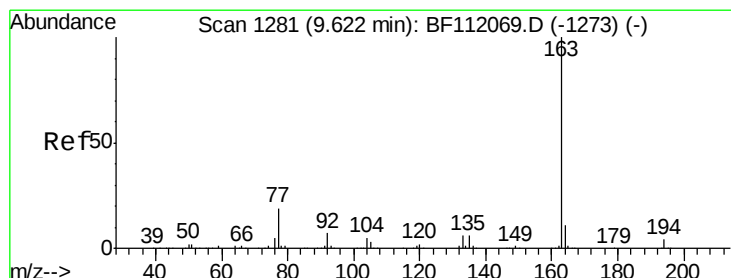
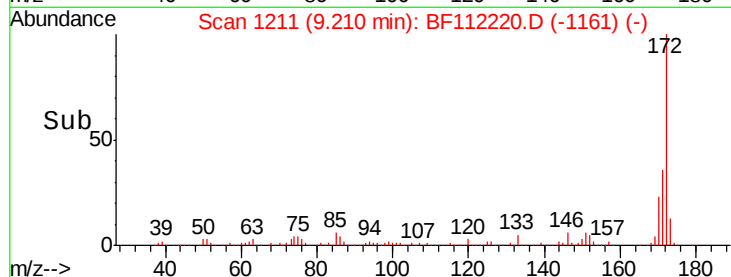
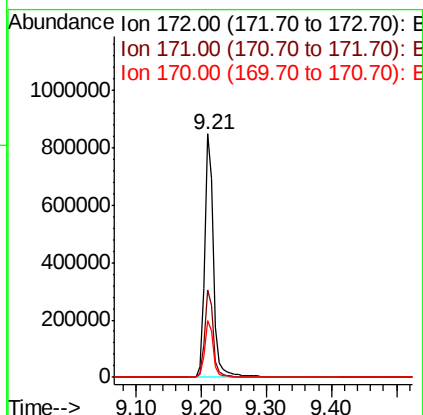
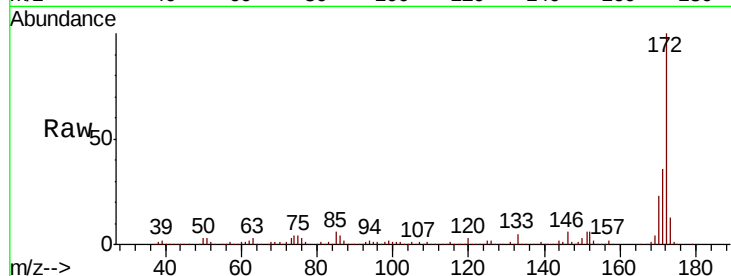




#45
 2-Fluorobiphenyl
 Concen: 31.943 ng
 RT: 9.21 min Scan# 1211
 Delta R.T. -0.01 min
 Lab File: BF112220.D
 Acq: 24 Jan 2019 20:29

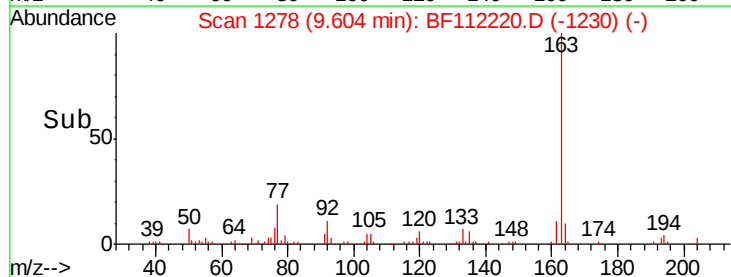
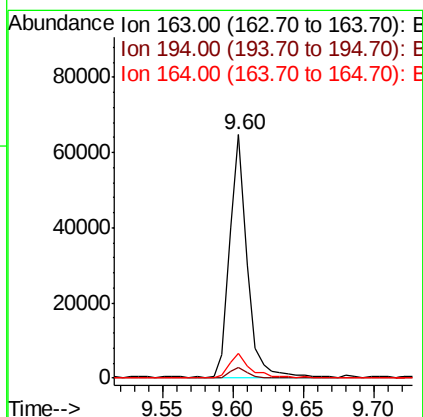
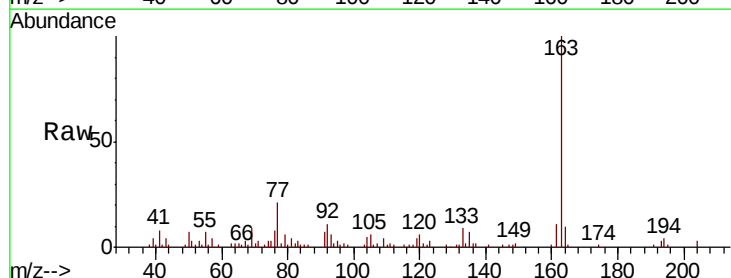
Instrument :
 BNA_F
 ClientSampled :
 TS-T

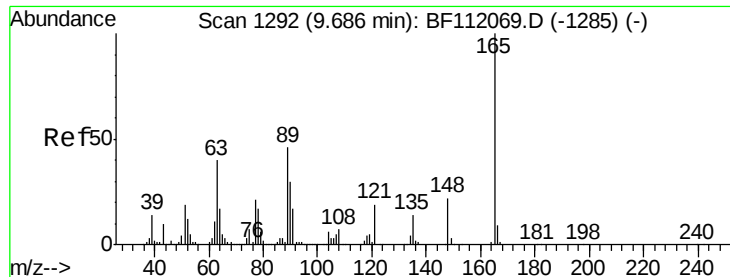
Tgt Ion:172 Resp: 793575
 Ion Ratio Lower Upper
 172 100
 171 35.8 30.5 45.7
 170 23.1 20.2 30.4



#50
 Dimethylphthalate
 Concen: 2.134 ng
 RT: 9.60 min Scan# 1278
 Delta R.T. -0.02 min
 Lab File: BF112220.D
 Acq: 24 Jan 2019 20:29

Tgt Ion:163 Resp: 56692
 Ion Ratio Lower Upper
 163 100
 194 4.4 3.3 4.9
 164 10.3 8.5 12.7

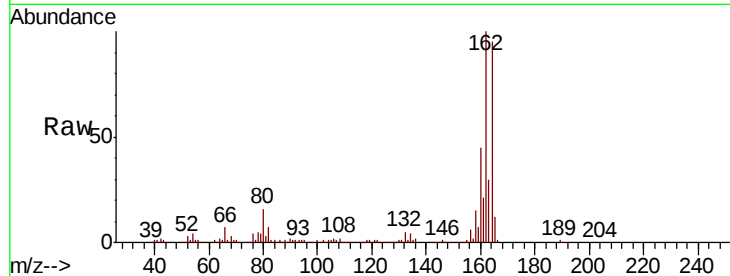




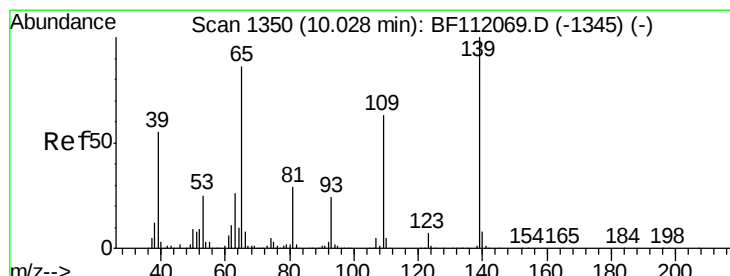
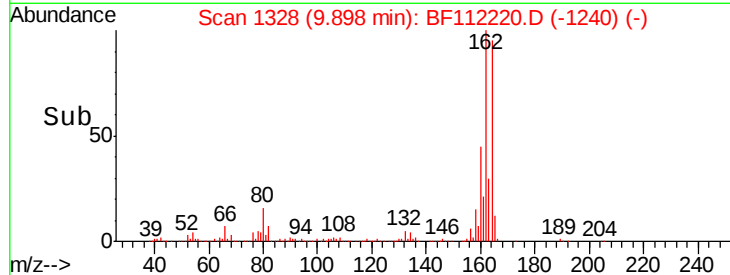
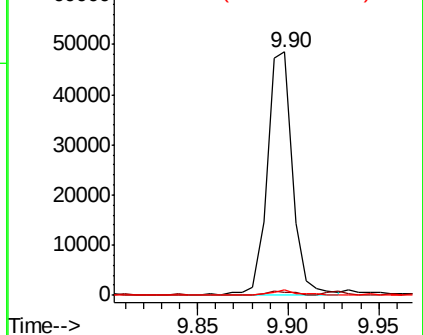
#51
 2,6-Dinitrotoluene
 Concen: 8.878 ng
 RT: 9.90 min Scan# 1328
 Delta R.T. 0.22 min
 Lab File: BF112220.D
 Acq: 24 Jan 2019 20:29

Instrument :
 BNA_F
 ClientSampleId :
 TS-T

Tgt Ion:165 Resp: 47094
 Ion Ratio Lower Upper
 165 100
 63 1.4 33.8 50.8#
 89 2.3 36.9 55.3#

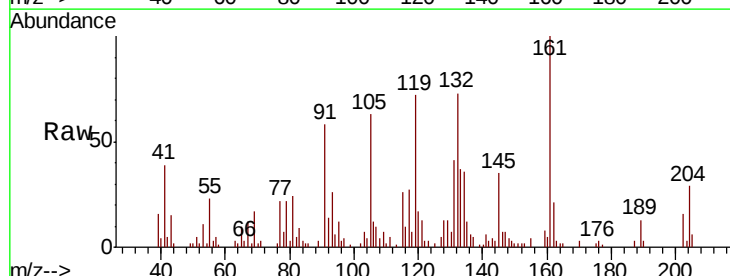


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

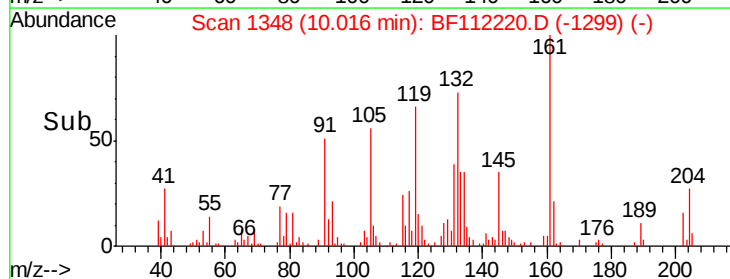
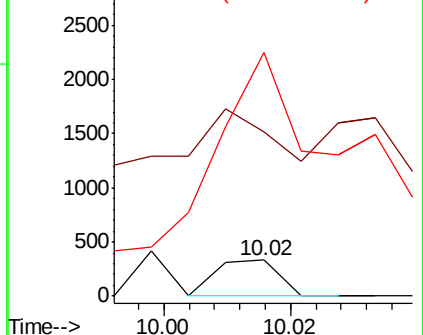


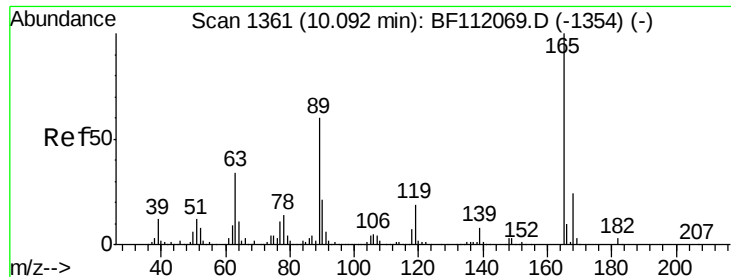
#56
 4-Nitrophenol
 Concen: 5.704 ng
 RT: 10.02 min Scan# 1348
 Delta R.T. -0.01 min
 Lab File: BF112220.D
 Acq: 24 Jan 2019 20:29

Tgt Ion:139 Resp: 225
 Ion Ratio Lower Upper
 139 100
 109 456.6 42.8 82.8#
 65 677.4 66.1 106.1#



Abundance Ion 139.00 (138.70 to 139.70): E
 Ion 109.00 (108.70 to 109.70): E
 Ion 65.00 (64.70 to 65.70): BF1

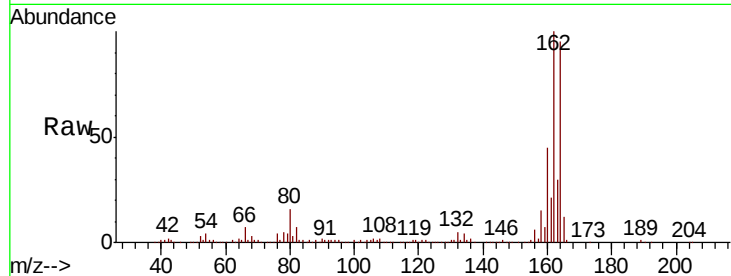




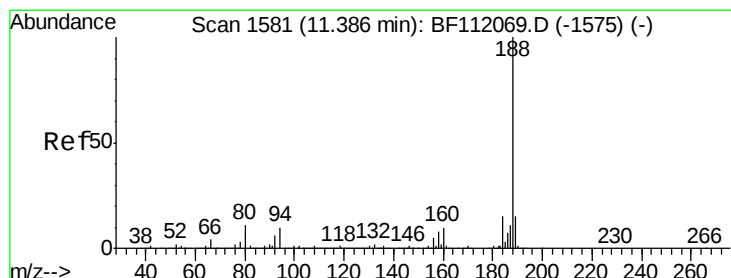
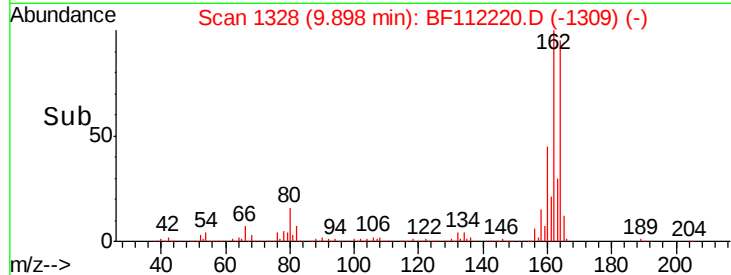
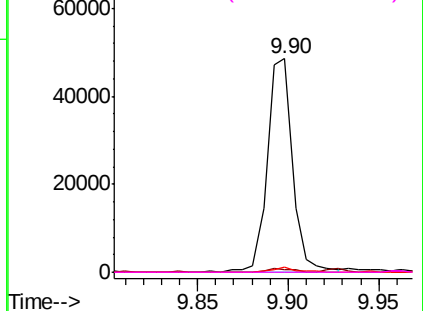
#57
 2,4-Dinitrotoluene
 Concen: 10.837 ng
 RT: 9.90 min Scan# 1328
 Delta R.T. -0.19 min
 Lab File: BF112220.D
 Acq: 24 Jan 2019 20:29

Instrument :
 BNA_F
 ClientSampleId :
 TS-T

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.4	27.9	41.9#
89	2.3	47.9	71.9#
182	0.0	2.2	3.4#

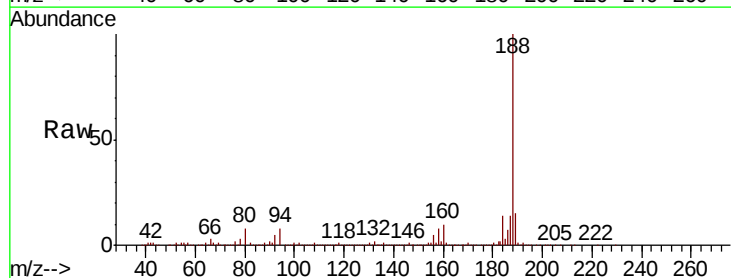


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1
 Ion 182.00 (181.70 to 182.70): E

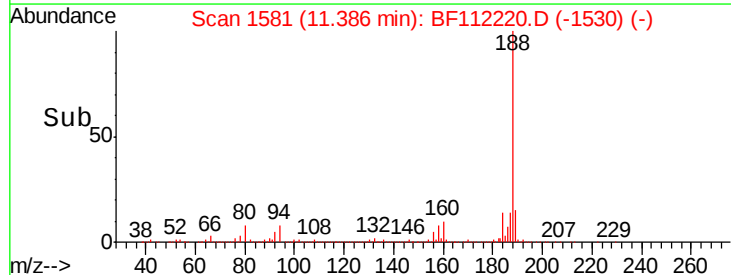
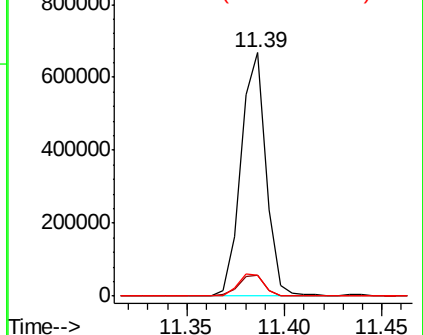


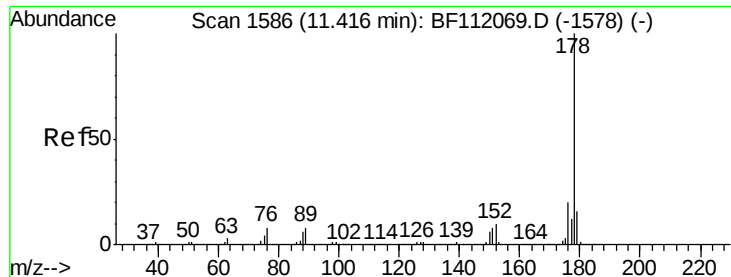
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.39 min Scan# 1581
 Delta R.T. 0.00 min
 Lab File: BF112220.D
 Acq: 24 Jan 2019 20:29

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.4	8.2	12.2
80	8.5	8.9	13.3#



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

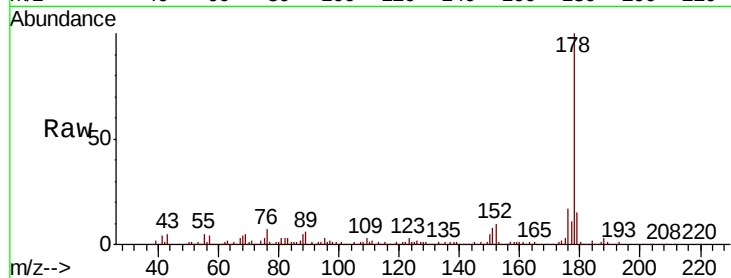




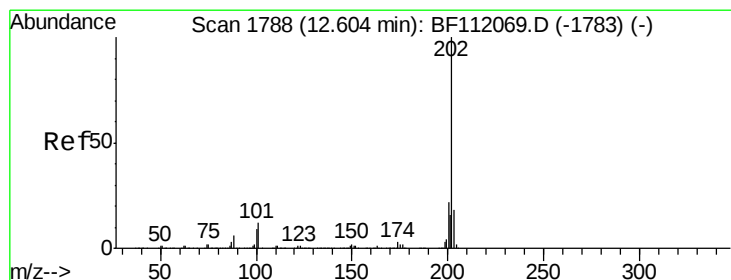
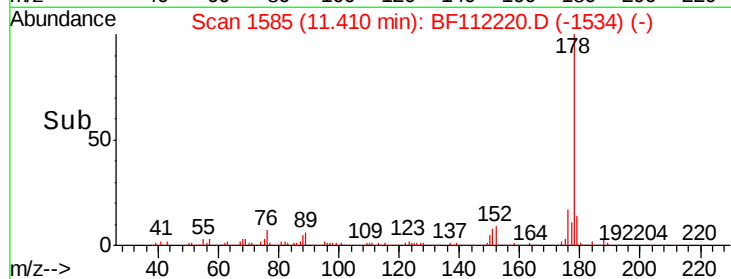
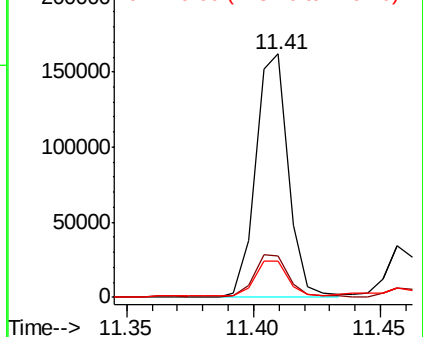
#71
Phenanthrene
Concen: 4.836 ng
RT: 11.41 min Scan# 1585
Delta R.T. 0.00 min
Lab File: BF112220.D
Acq: 24 Jan 2019 20:29

Instrument :
BNA_F
ClientSampleId :
TS-T

Tgt Ion:178 Resp: 145154
Ion Ratio Lower Upper
178 100
176 16.9 16.3 24.5
179 14.7 13.0 19.4

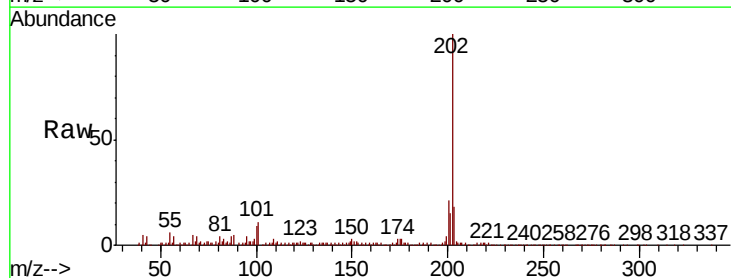


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

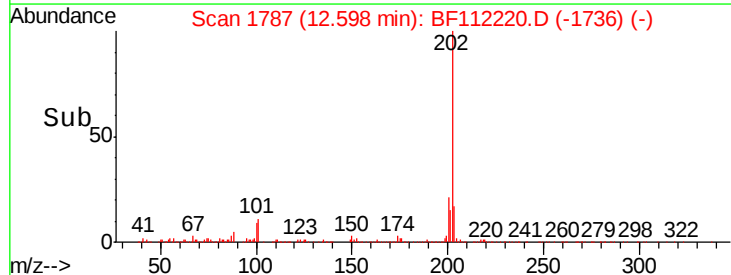
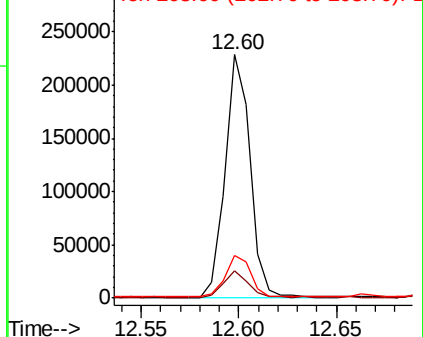


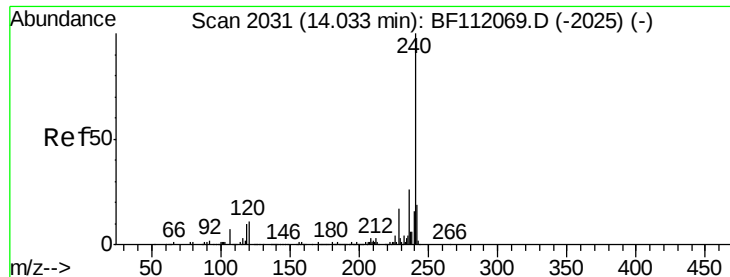
#75
Fluoranthene
Concen: 6.388 ng
RT: 12.60 min Scan# 1787
Delta R.T. 0.00 min
Lab File: BF112220.D
Acq: 24 Jan 2019 20:29

Tgt Ion:202 Resp: 202417
Ion Ratio Lower Upper
202 100
101 11.5 0.0 31.8
203 17.7 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

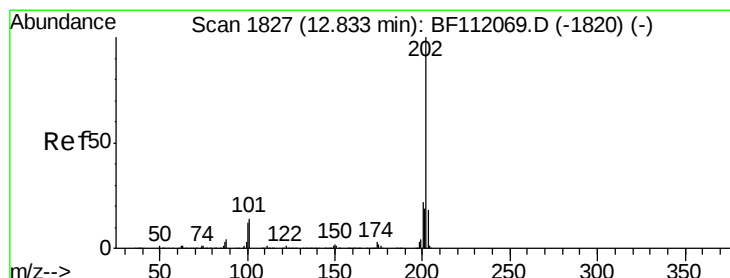
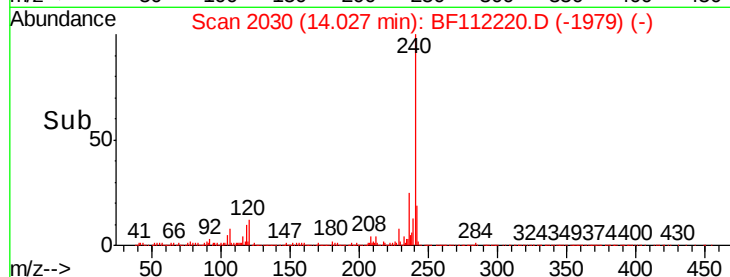
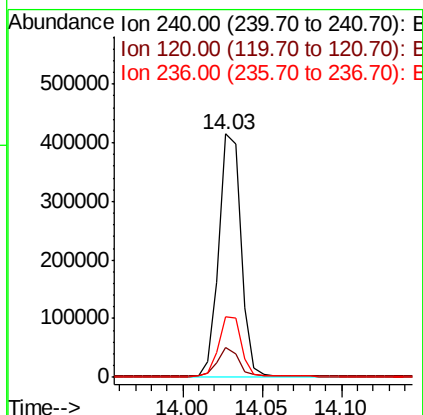
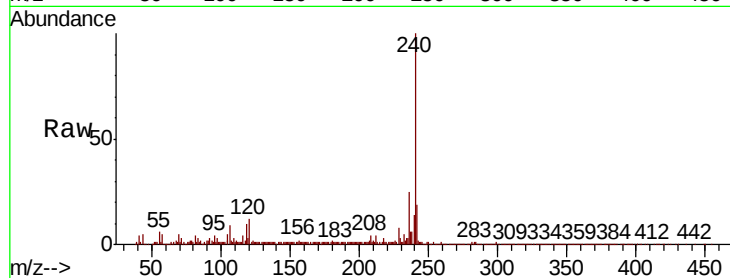




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.03 min Scan# 2030
Delta R.T. 0.00 min
Lab File: BF112220.D
Acq: 24 Jan 2019 20:29

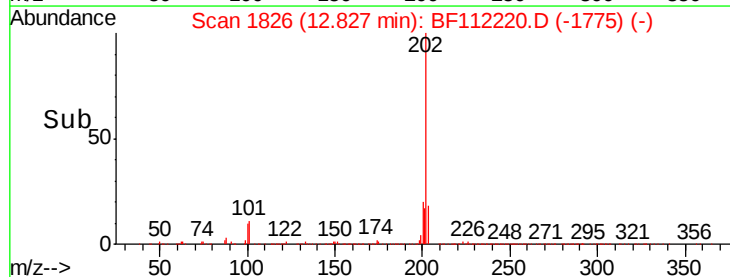
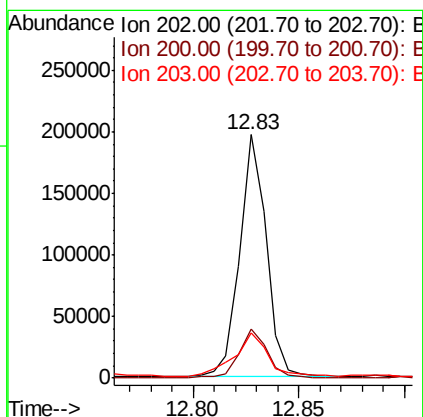
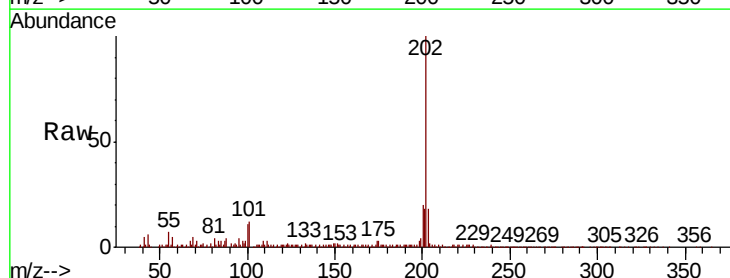
Instrument :
BNA_F
ClientSampled :
TS-T

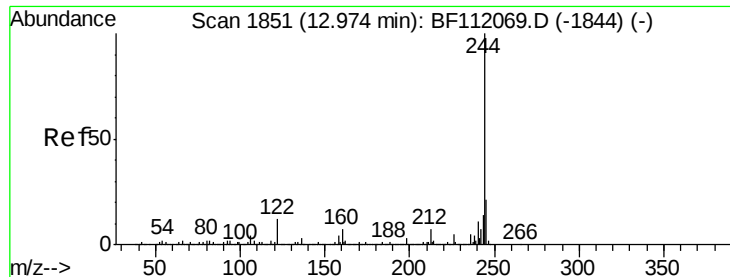
Tgt Ion:240 Resp: 404210
Ion Ratio Lower Upper
240 100
120 12.1 9.0 13.6
236 25.1 20.7 31.1



#78
Pyrene
Concen: 6.456 ng
RT: 12.83 min Scan# 1826
Delta R.T. 0.00 min
Lab File: BF112220.D
Acq: 24 Jan 2019 20:29

Tgt Ion:202 Resp: 172167
Ion Ratio Lower Upper
202 100
200 19.9 17.7 26.5
203 18.4 14.6 22.0





#79

Terphenyl-d14

Concen: 31.368 ng

RT: 12.96 min Scan# 1849

Delta R.T. -0.01 min

Lab File: BF112220.D

Acq: 24 Jan 2019 20:29

Instrument :

BNA_F

ClientSampleId :

TS-T

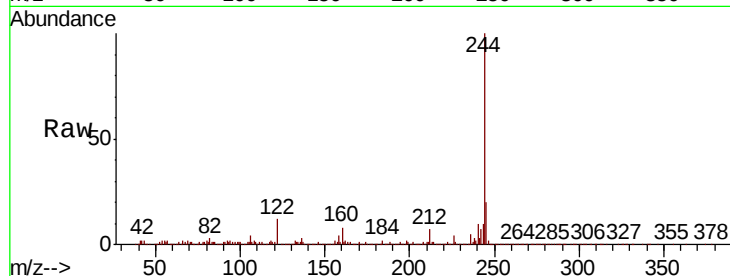
Tgt Ion:244 Resp: 595998

Ion Ratio Lower Upper

244 100

212 6.8 5.9 8.9

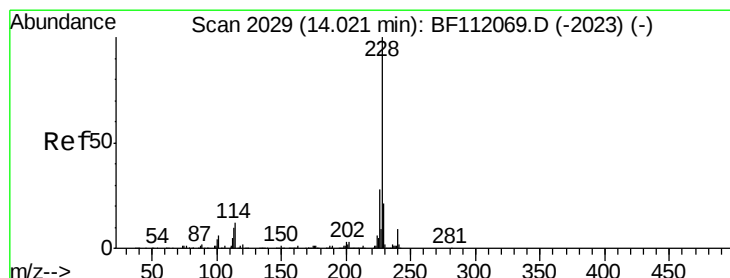
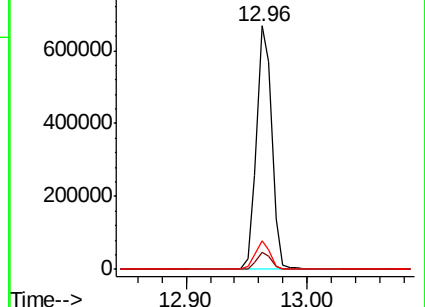
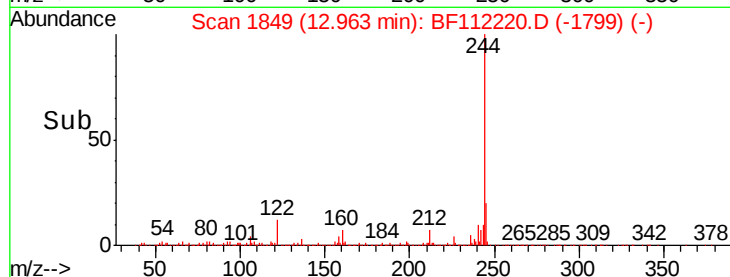
122 11.8 9.8 14.6



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: 3.083 ng

RT: 14.02 min Scan# 2029

Delta R.T. 0.01 min

Lab File: BF112220.D

Acq: 24 Jan 2019 20:29

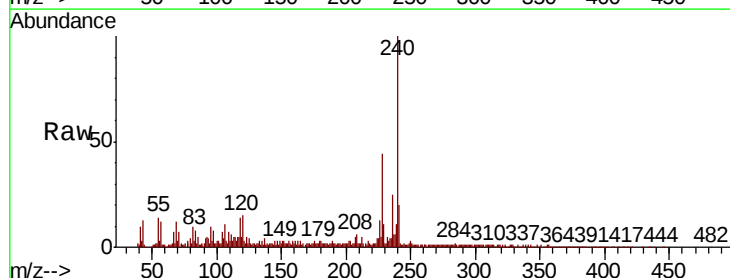
Tgt Ion:228 Resp: 71462

Ion Ratio Lower Upper

228 100

226 29.2 22.6 34.0

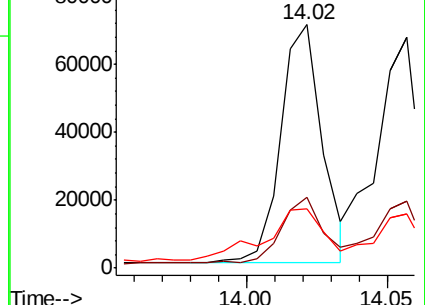
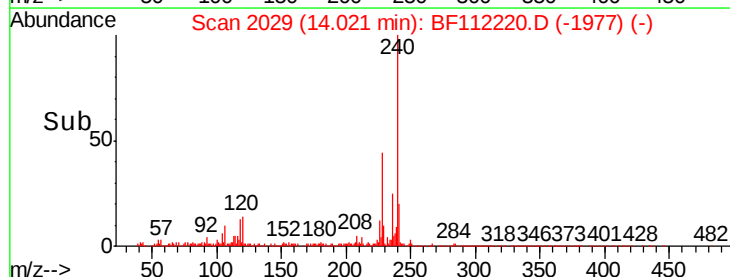
229 24.6 16.5 24.7

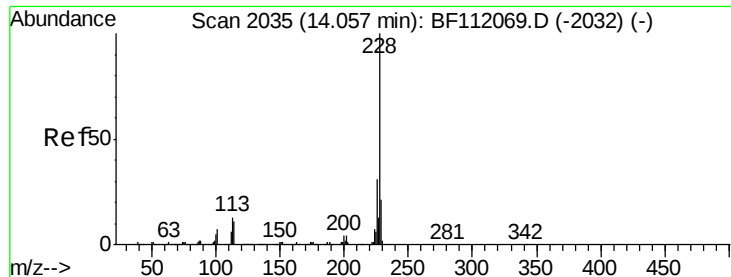


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 3.237 ng

RT: 14.06 min Scan# 2035

Delta R.T. 0.00 min

Lab File: BF112220.D

Acq: 24 Jan 2019 20:29

Instrument :

BNA_F

ClientSampleId :

TS-T

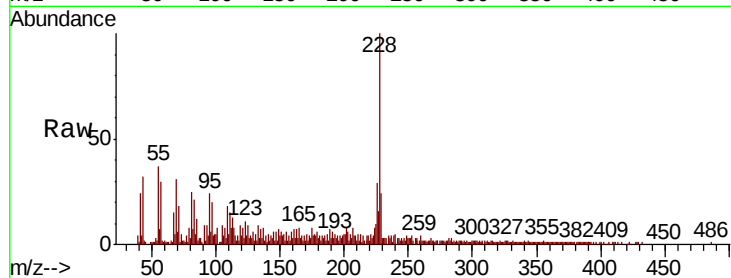
Tgt Ion:228 Resp: 70977

Ion Ratio Lower Upper

228 100

226 29.0 25.0 37.6

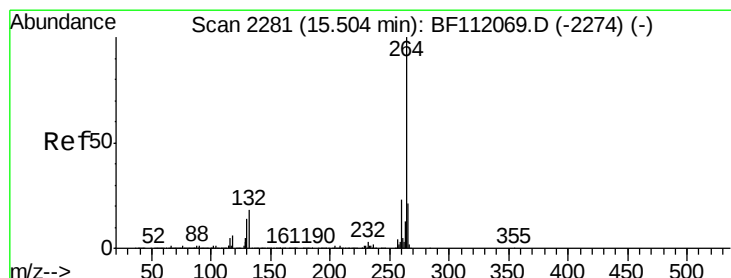
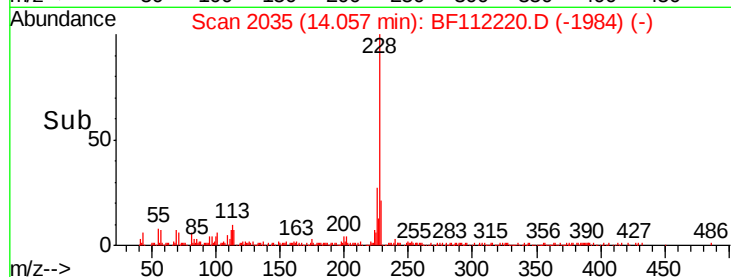
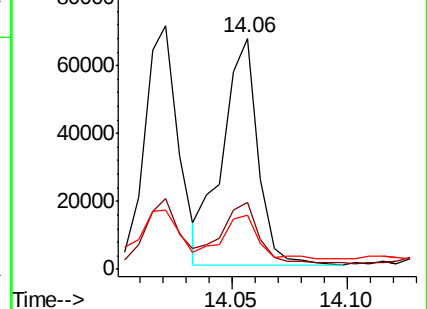
229 23.7 16.6 24.8



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



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.51 min Scan# 2282

Delta R.T. 0.01 min

Lab File: BF112220.D

Acq: 24 Jan 2019 20:29

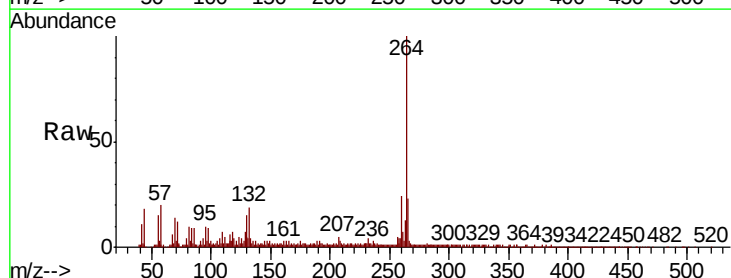
Tgt Ion:264 Resp: 286912

Ion Ratio Lower Upper

264 100

260 24.0 18.2 27.2

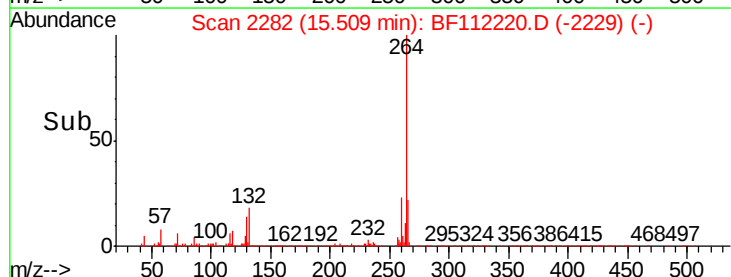
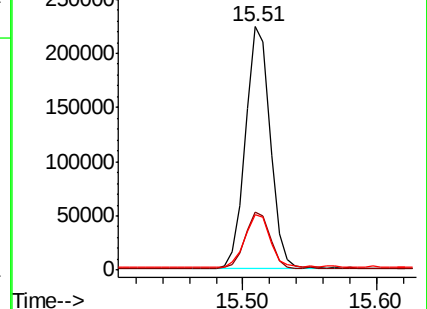
265 22.8 17.0 25.4

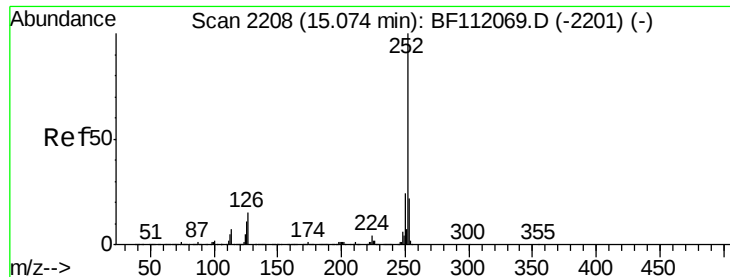


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

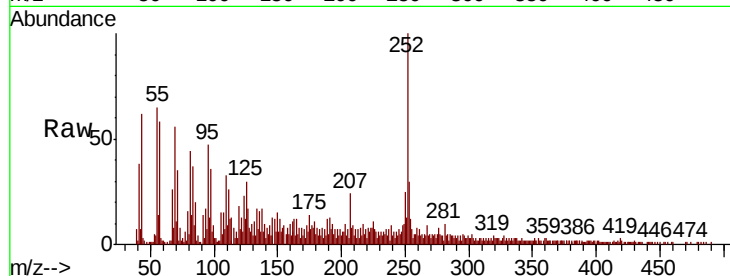




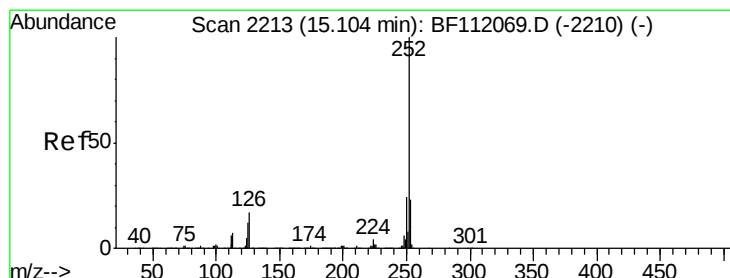
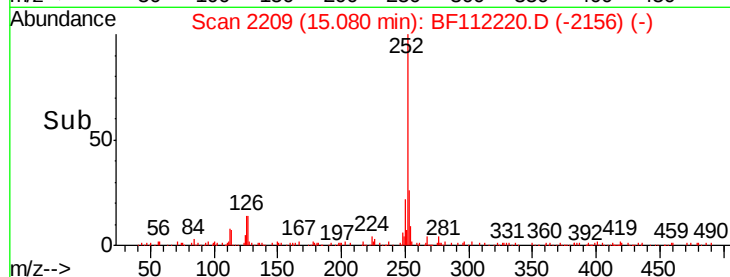
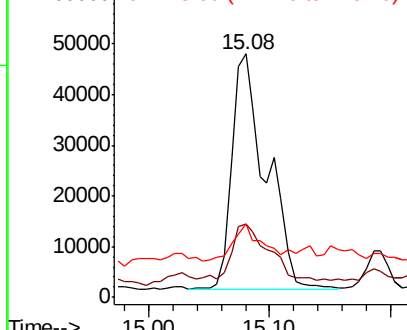
#88
Benzo(b)fluoranthene
Concen: 5.676 ng
RT: 15.08 min Scan# 2209
Delta R.T. 0.01 min
Lab File: BF112220.D
Acq: 24 Jan 2019 20:29

Instrument :
BNA_F
ClientSampleId :
TS-T

Tgt Ion:252 Resp: 92448
Ion Ratio Lower Upper
252 100
253 30.1 18.0 27.0#
125 30.1 8.7 13.1#

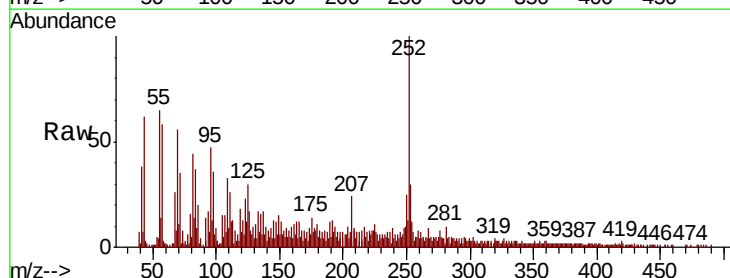


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

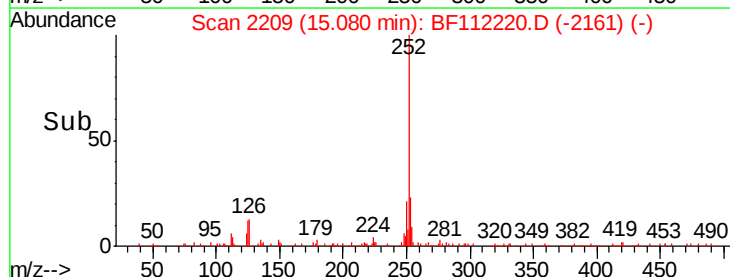
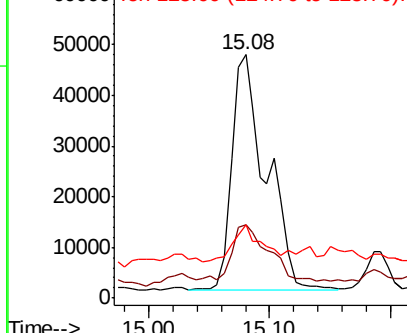


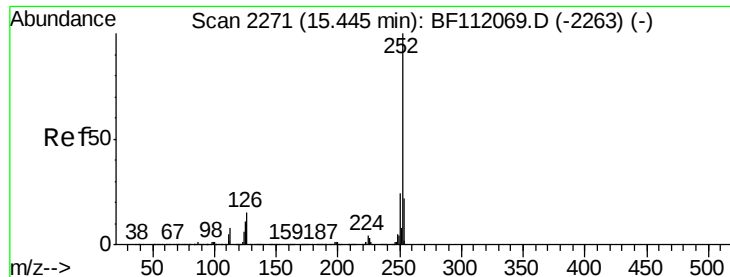
#89
Benzo(k)fluoranthene
Concen: 5.865 ng
RT: 15.08 min Scan# 2209
Delta R.T. -0.02 min
Lab File: BF112220.D
Acq: 24 Jan 2019 20:29

Tgt Ion:252 Resp: 92448
Ion Ratio Lower Upper
252 100
253 30.1 18.0 27.0#
125 30.1 9.1 13.7#



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





#90

Benzo(a)pyrene

Concen: 2.896 ng

RT: 15.44 min Scan# 2271

Delta R.T. 0.01 min

Lab File: BF112220.D

Acq: 24 Jan 2019 20:29

Instrument :

BNA_F

ClientSampleId :

TS-T

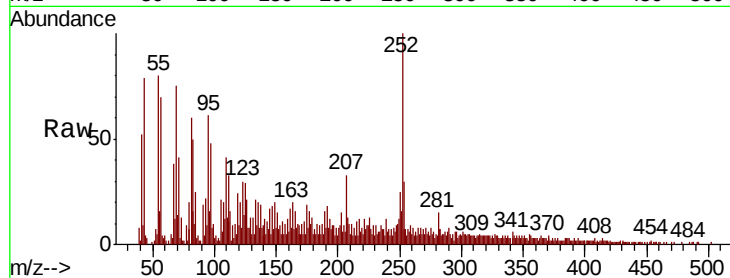
Tgt Ion:252 Resp: 43257

Ion Ratio Lower Upper

252 100

253 29.8 17.5 26.3#

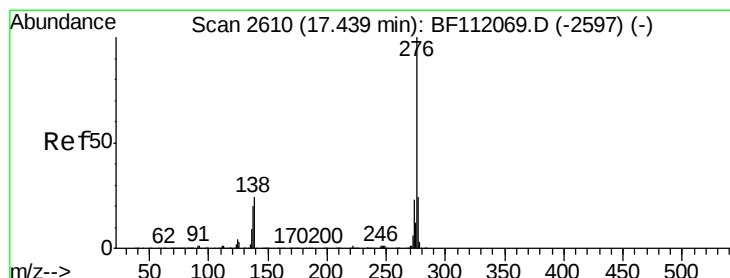
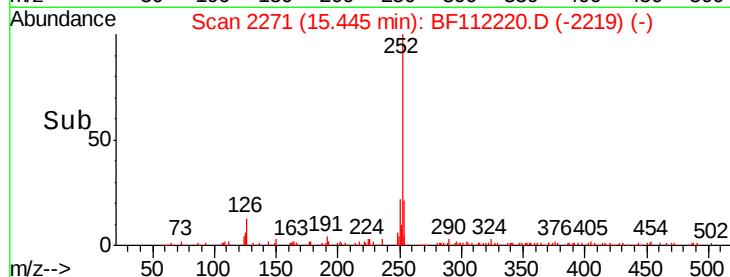
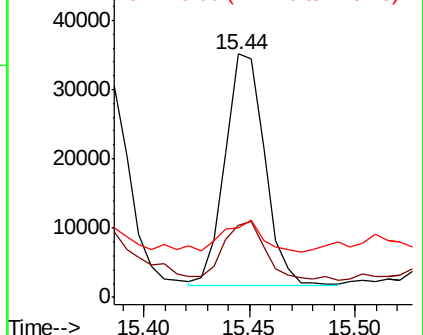
125 28.7 9.0 13.4#



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: 2.034 ng

RT: 17.46 min Scan# 2614

Delta R.T. 0.04 min

Lab File: BF112220.D

Acq: 24 Jan 2019 20:29

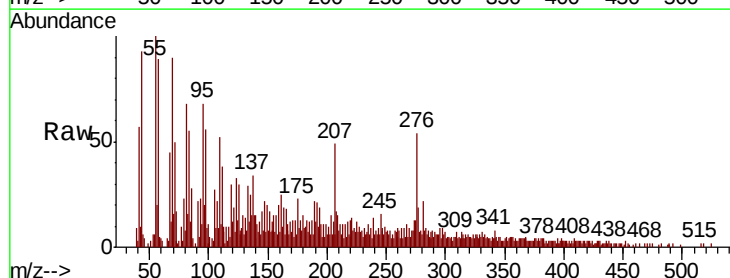
Tgt Ion:276 Resp: 26580

Ion Ratio Lower Upper

276 100

277 34.6 19.4 29.0#

138 28.1 19.1 28.7



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

