

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF021519\
 Data File : BF112592.D
 Acq On : 15 Feb 2019 21:26
 Operator : JU/SJ
 Sample : K1358-03 2X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TR-04-021419

Quant Time: Feb 15 23:46:10 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012519.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 28 10:38:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	28941	20.00	ng	-0.01
21) Naphthalene-d8	8.12	136	120411	20.00	ng	-0.01
39) Acenaphthene-d10	9.87	164	57686	20.00	ng	-0.02
64) Phenanthrene-d10	11.36	188	98985	20.00	ng	0.00
76) Chrysene-d12	14.01	240	74082	20.00	ng	0.00
87) Perylene-d12	15.49	264	56417	20.00	ng	0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	187543	137.64	ng	-0.01
7) Phenol-d6	6.48	99	233239	123.19	ng	-0.01
23) Nitrobenzene-d5	7.39	82	147725	70.69	ng	-0.02
42) 2,4,6-Tribromophenol	10.67	330	71047	105.81	ng	-0.01
45) 2-Fluorobiphenyl	9.19	172	302335	74.13	ng	-0.02
79) Terphenyl-d14	12.94	244	239759	60.96	ng	0.00

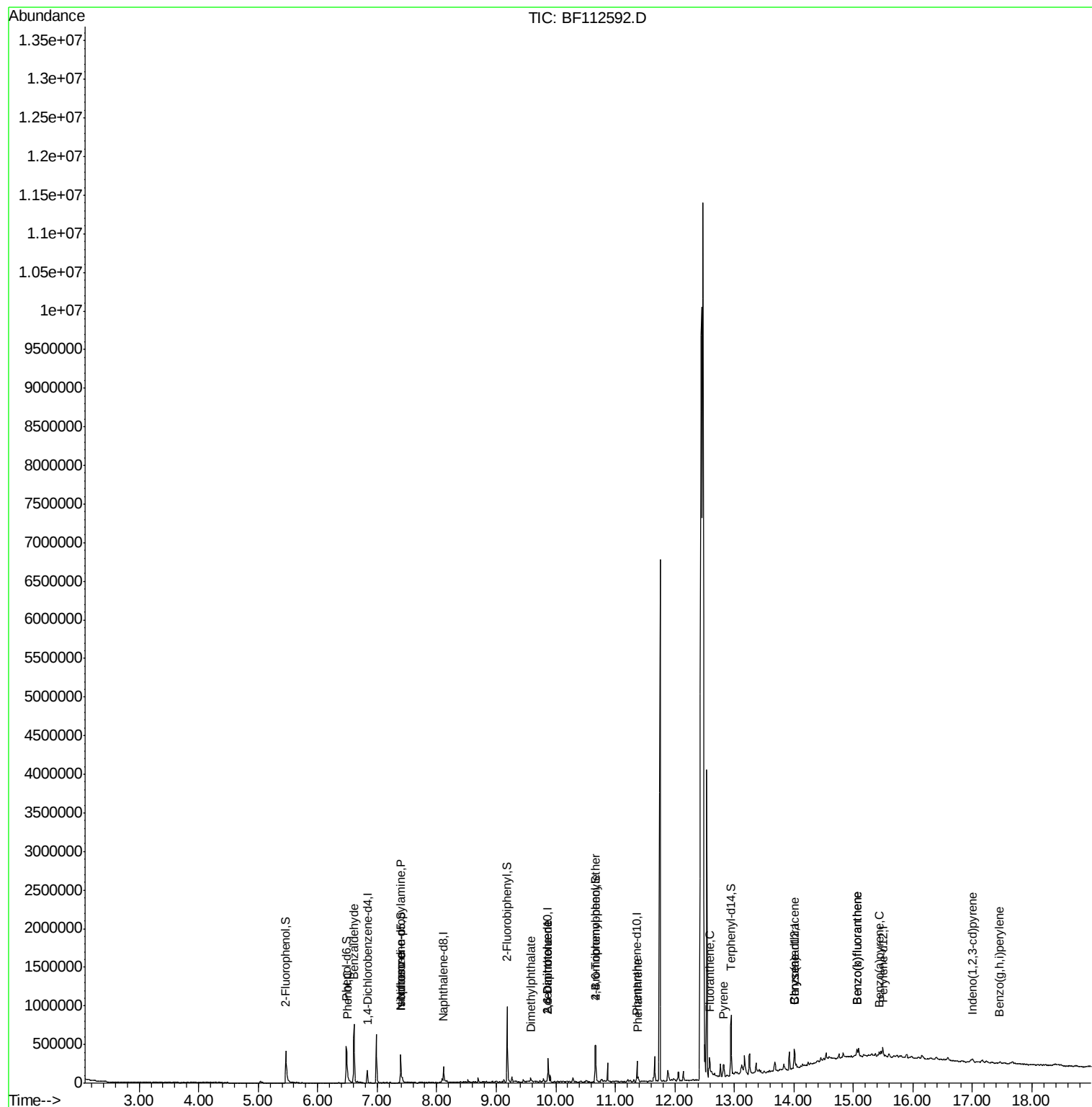
Target Compounds				Qvalue		
9) Benzaldehyde	6.61	77	5224	5.279	ng	# 74
10) Phenol	6.50	94	8371	4.030	ng	# 76
19) n-Nitroso-di-n-propylamine	7.39	70	20509	15.710	ng	# 81
25) Isophorone	7.39	82	147724	45.060	ng	# 63
50) Dimethylphthalate	9.58	163	12433	2.774	ng	97
51) 2,6-Dinitrotoluene	9.87	165	8278	8.247	ng	# 32
57) 2,4-Dinitrotoluene	9.87	165	8278	6.478	ng	# 30
67) 4-Bromophenyl-phenylether	10.67	248	4144	3.560	ng	# 1
71) Phenanthrene	11.39	178	23117	4.492	ng	97
75) Fluoranthene	12.59	202	57145	10.353	ng	97
78) Pyrene	12.82	202	56400	10.996	ng	97
81) Benzo(a)anthracene	14.00	228	25859	5.938	ng	97
83) Chrysene	14.00	228	25859	6.221	ng	94
86) Indeno(1,2,3-cd)pyrene	17.00	276	15157	4.601	ng	96
88) Benzo(b)fluoranthene	15.06	252	56888	16.861	ng	# 87
89) Benzo(k)fluoranthene	15.06	252	56888	17.603	ng	# 87
90) Benzo(a)pyrene	15.43	252	28950	9.536	ng	# 93
92) Benzo(g,h,i)perylene	17.46	276	15300	6.628	ng	# 90

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

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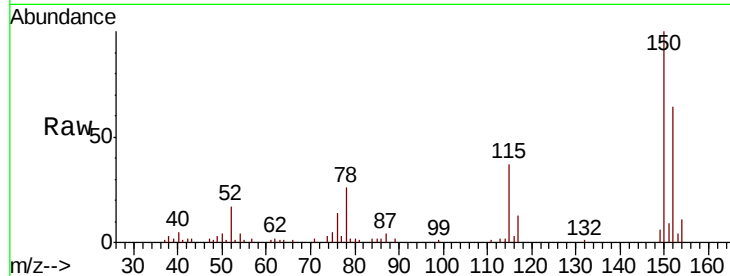


#1

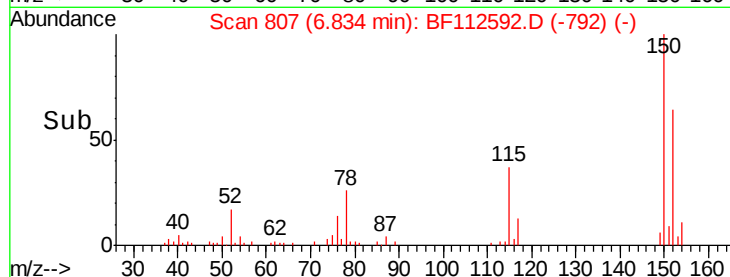
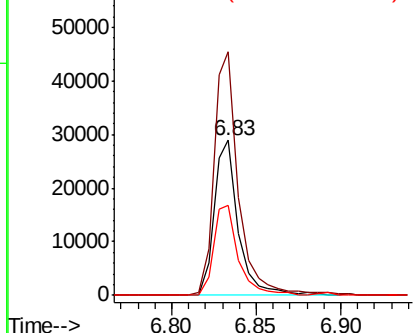
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 807
Delta R.T. -0.01 min
Lab File: BF112592.D
Acq: 15 Feb 2019 21:26

Instrument :
BNA_F
ClientSampleId :
TR-04-021419

Tgt Ion:152 Resp: 28941
Ion Ratio Lower Upper
152 100
150 157.2 127.4 191.0
115 58.2 45.5 68.3



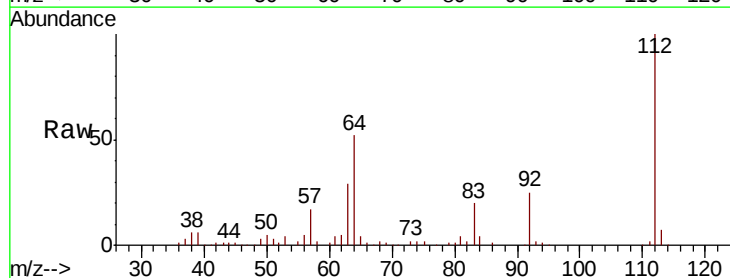
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



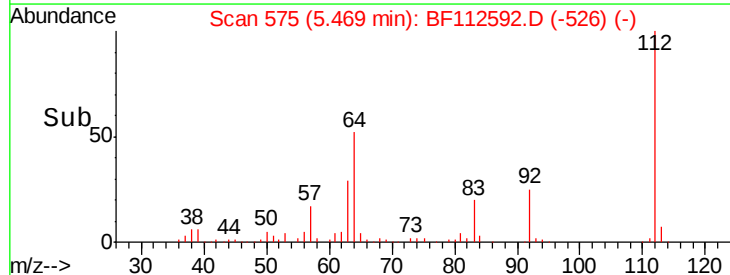
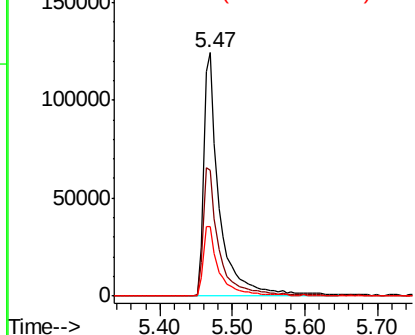
#5

2-Fluorophenol
Concen: 137.643 ng
RT: 5.47 min Scan# 575
Delta R.T. -0.01 min
Lab File: BF112592.D
Acq: 15 Feb 2019 21:26

Tgt Ion:112 Resp: 187543
Ion Ratio Lower Upper
112 100
64 51.8 45.7 68.5
63 28.5 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: 123.192 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF112592.D

Acq: 15 Feb 2019 21:26

Instrument :

BNA_F

ClientSampleId :

TR-04-021419

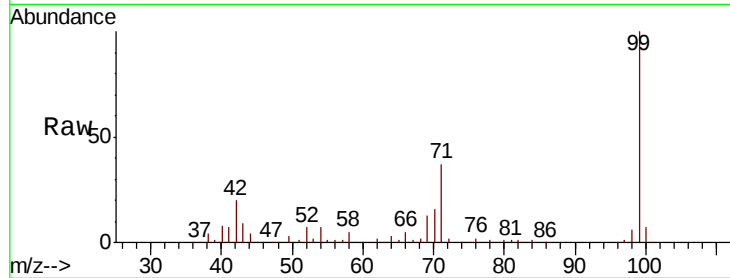
Tgt Ion: 99 Resp: 233239

Ion Ratio Lower Upper

99 100

42 19.8 15.1 22.7

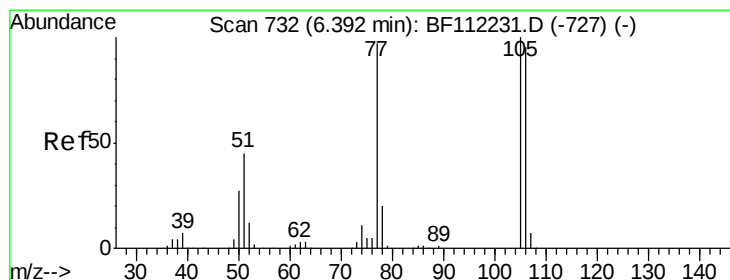
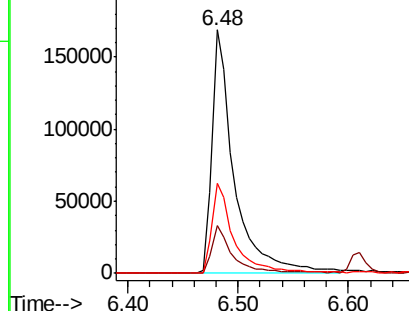
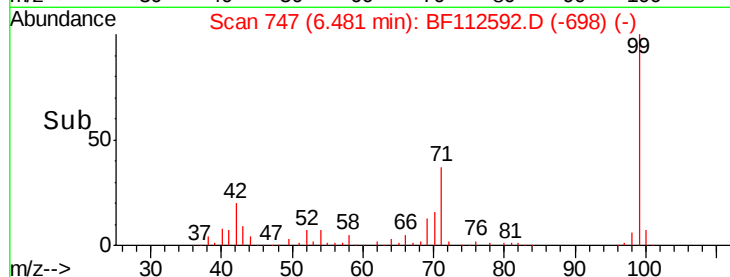
71 36.8 26.9 40.3



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



#9

Benzaldehyde

Concen: 5.279 ng

RT: 6.61 min Scan# 769

Delta R.T. 0.22 min

Lab File: BF112592.D

Acq: 15 Feb 2019 21:26

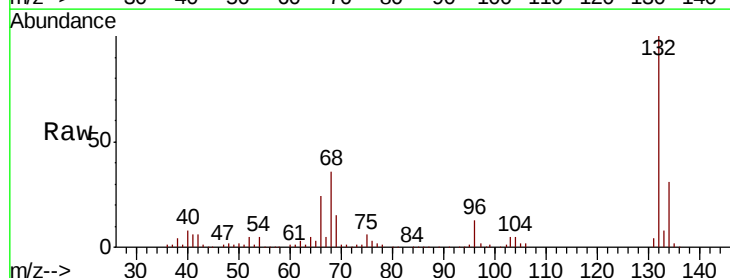
Tgt Ion: 77 Resp: 5224

Ion Ratio Lower Upper

77 100

105 74.1 80.8 120.8#

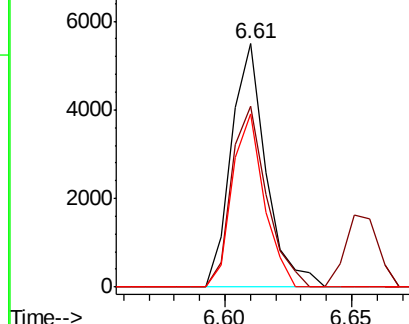
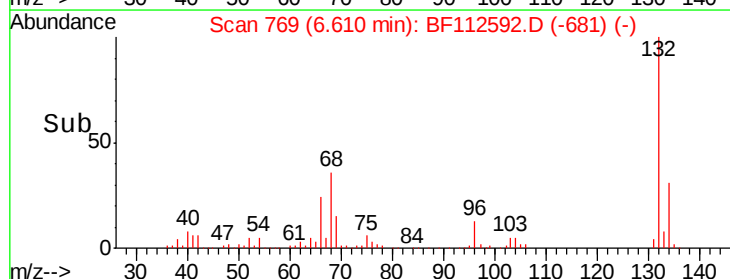
106 71.3 75.7 115.7#

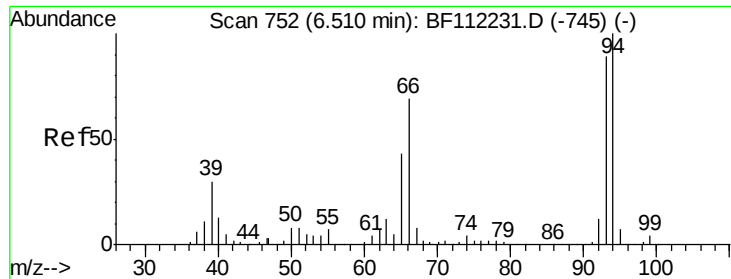


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E

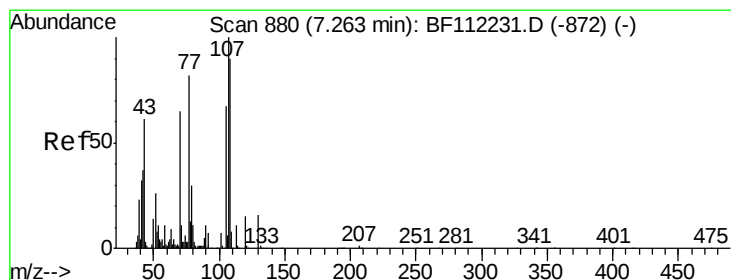
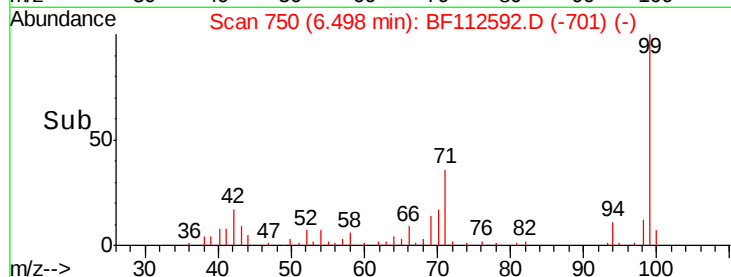
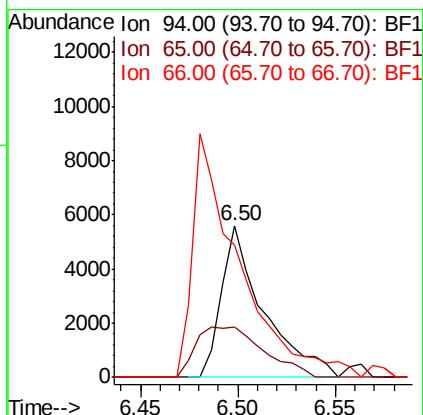
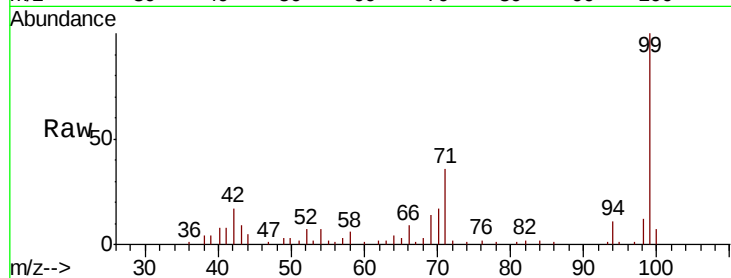




#10
Phenol
Concen: 4.030 ng
RT: 6.50 min Scan# 750
Delta R.T. -0.01 min
Lab File: BF112592.D
Acq: 15 Feb 2019 21:26

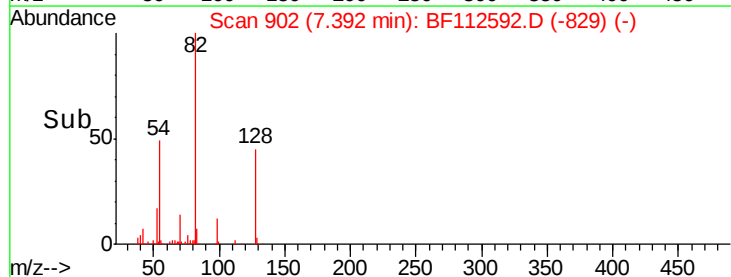
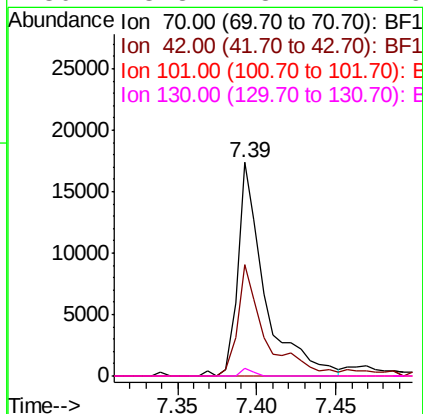
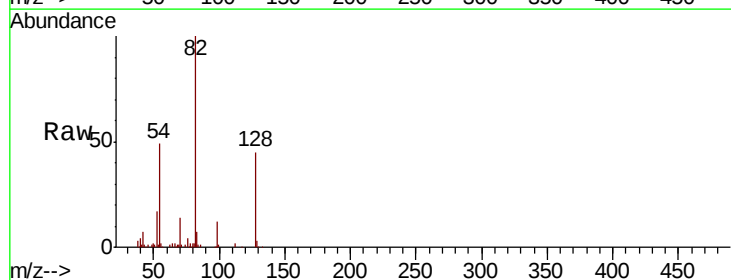
Instrument :
BNA_F
ClientSampleId :
TR-04-021419

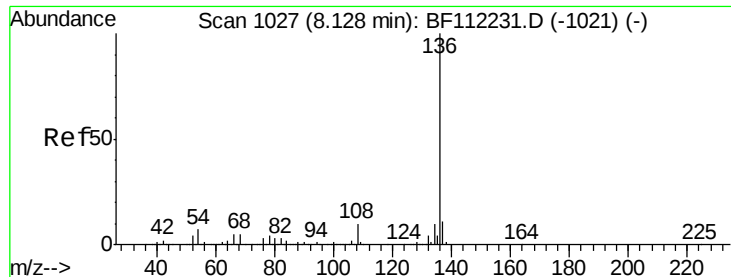
Tgt Ion: 94 Resp: 8371
Ion Ratio Lower Upper
94 100
65 32.9 20.3 60.3
66 86.8 42.4 82.4#



#19
n-Nitroso-di-n-propylamine
Concen: 15.710 ng
RT: 7.39 min Scan# 902
Delta R.T. 0.13 min
Lab File: BF112592.D
Acq: 15 Feb 2019 21:26

Tgt Ion: 70 Resp: 20509
Ion Ratio Lower Upper
70 100
42 52.1 47.6 71.4
101 0.0 7.9 11.9#
130 3.3 18.4 27.6#

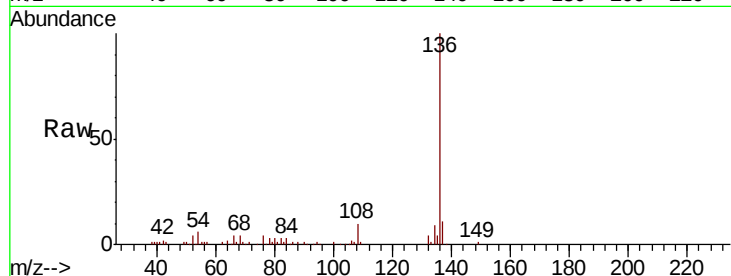




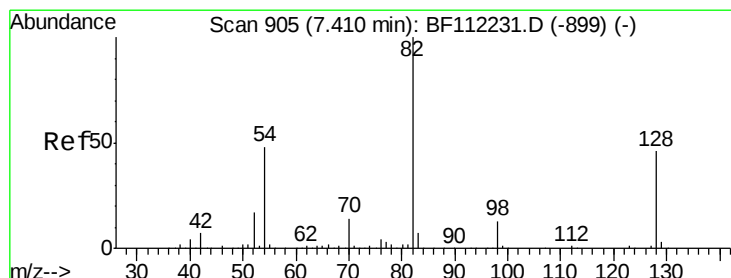
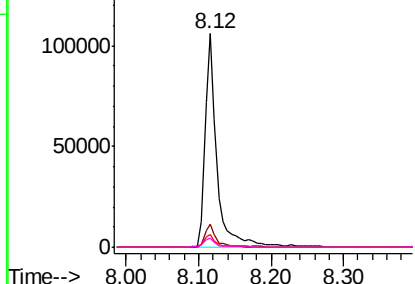
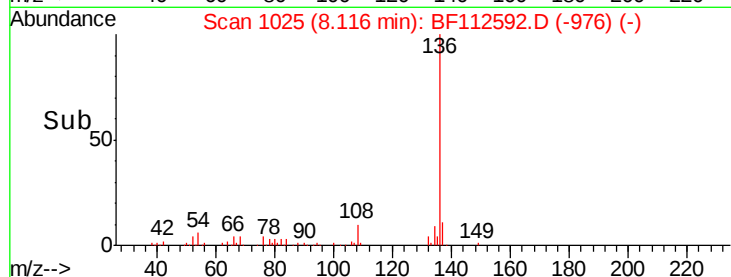
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.12 min Scan# 1025
Delta R.T. -0.01 min
Lab File: BF112592.D
Acq: 15 Feb 2019 21:26

Instrument :
BNA_F
ClientSampleId :
TR-04-021419

Tgt Ion:	136	Resp:	120411
Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.1	13.7
54	6.1	5.9	8.9
68	4.2	5.1	7.7#

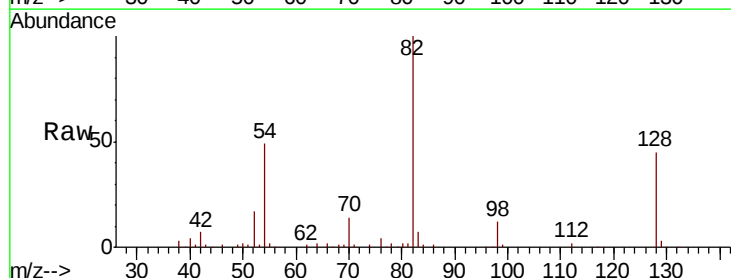


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

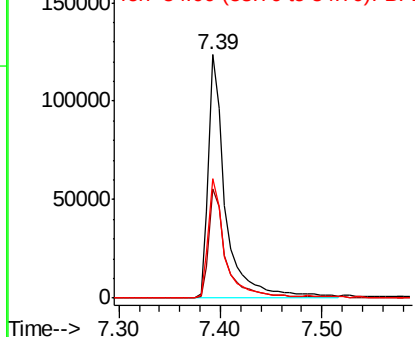
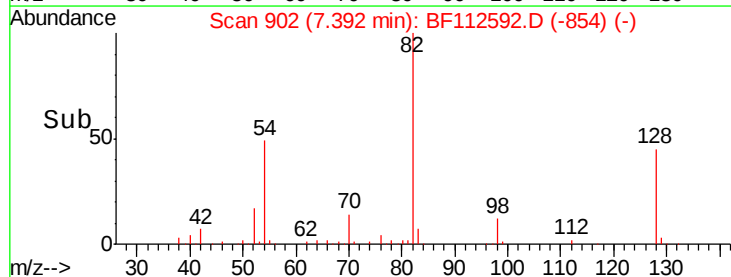


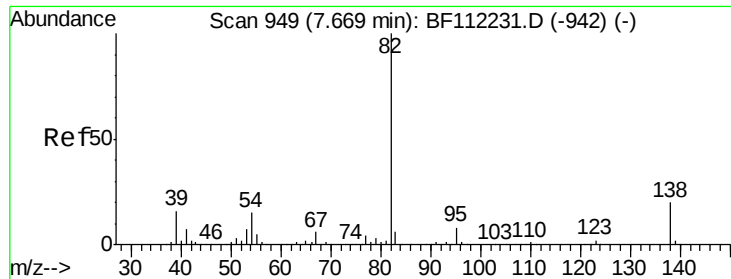
#23
Nitrobenzene-d5
Concen: 70.690 ng
RT: 7.39 min Scan# 902
Delta R.T. -0.02 min
Lab File: BF112592.D
Acq: 15 Feb 2019 21:26

Tgt Ion:	82	Resp:	147725
Ion	Ratio	Lower	Upper
82	100		
128	44.6	37.8	56.8
54	49.0	39.7	59.5



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 45.060 ng

RT: 7.39 min Scan# 902

Delta R.T. -0.28 min

Lab File: BF112592.D

Acq: 15 Feb 2019 21:26

Instrument :

BNA_F

ClientSampleId :

TR-04-021419

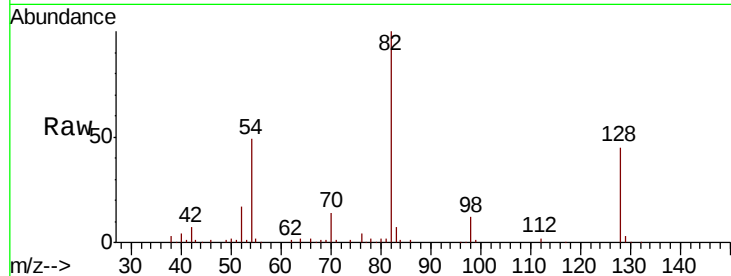
Tgt Ion: 82 Resp: 147724

Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

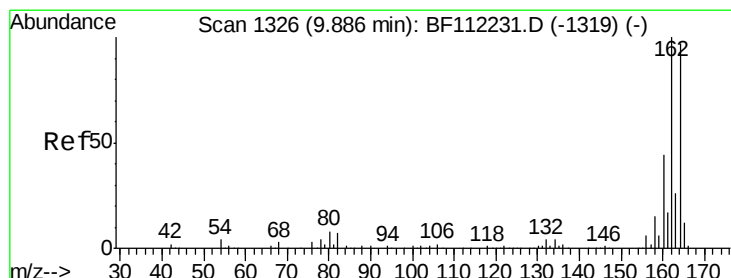
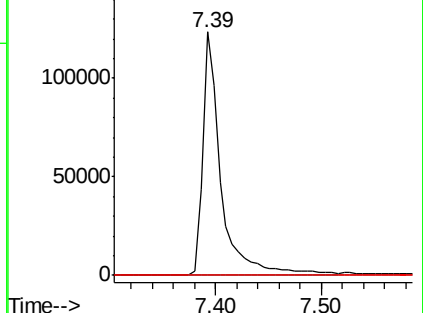
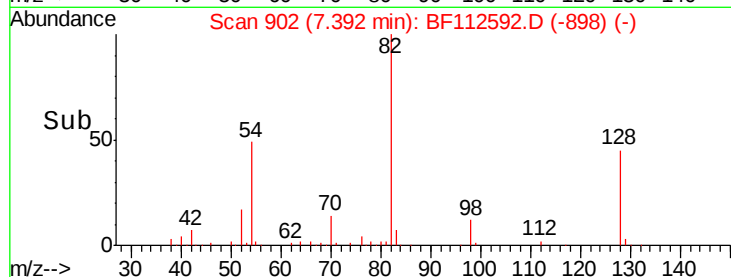
138 0.0 15.4 23.0#



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



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.87 min Scan# 1323

Delta R.T. -0.02 min

Lab File: BF112592.D

Acq: 15 Feb 2019 21:26

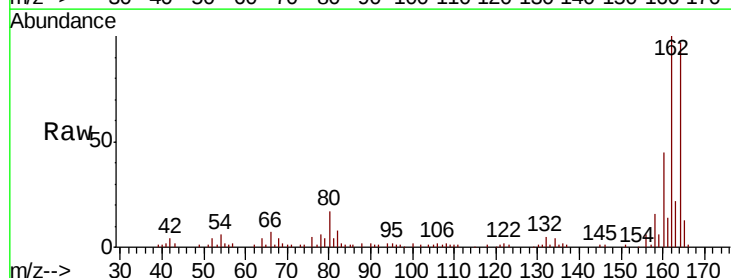
Tgt Ion: 164 Resp: 57686

Ion Ratio Lower Upper

164 100

162 103.3 82.2 123.4

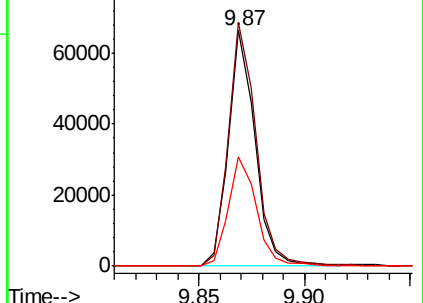
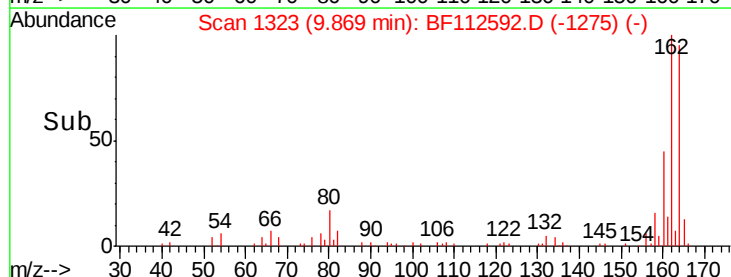
160 46.4 36.2 54.4

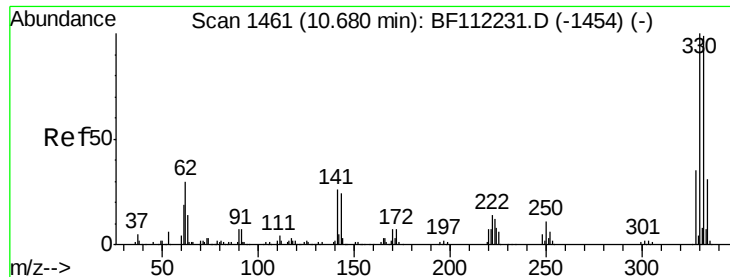


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#42

2,4,6-Tribromophenol

Concen: 105.811 ng

RT: 10.67 min Scan# 1459

Delta R.T. -0.01 min

Lab File: BF112592.D

Acq: 15 Feb 2019 21:26

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ClientSampleId :

TR-04-021419

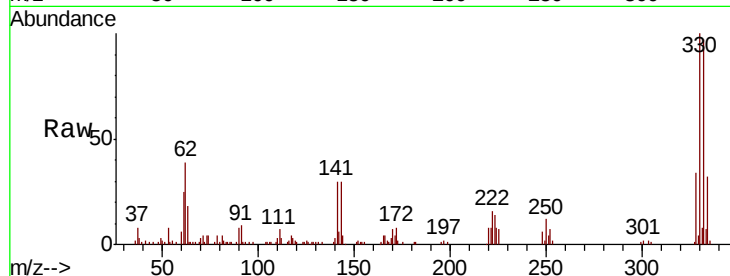
Tgt Ion:330 Resp: 71047

Ion Ratio Lower Upper

330 100

332 96.7 76.6 114.8

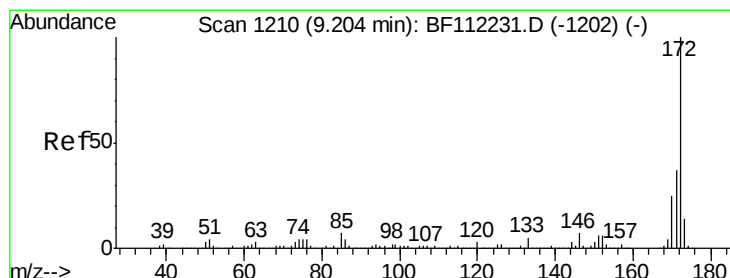
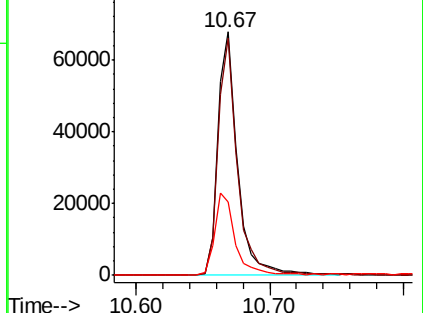
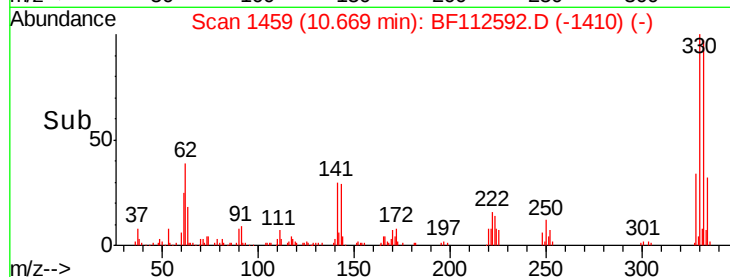
141 35.3 24.3 36.5



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: 74.126 ng

RT: 9.19 min Scan# 1207

Delta R.T. -0.02 min

Lab File: BF112592.D

Acq: 15 Feb 2019 21:26

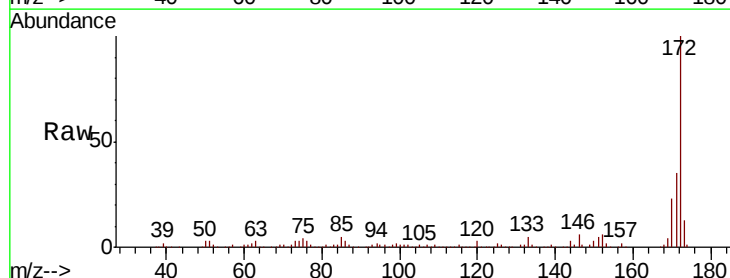
Tgt Ion:172 Resp: 302335

Ion Ratio Lower Upper

172 100

171 35.4 30.5 45.7

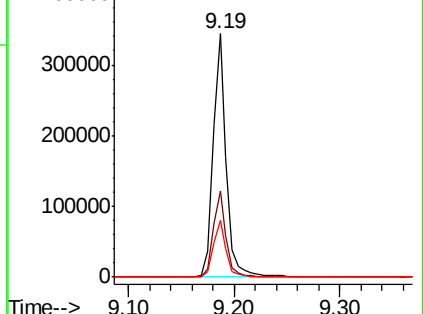
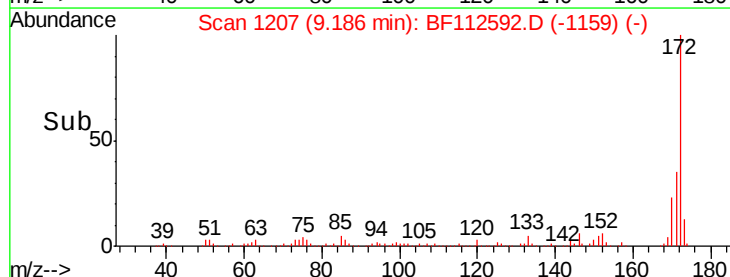
170 23.5 20.2 30.4

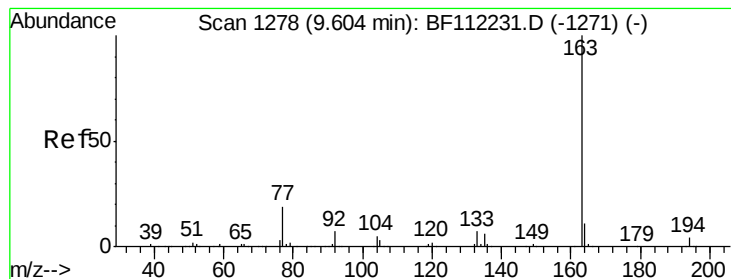


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#50

Dimethylphthalate

Concen: 2.774 ng

RT: 9.58 min Scan# 1274

Delta R.T. -0.02 min

Lab File: BF112592.D

Acq: 15 Feb 2019 21:26

Instrument :

BNA_F

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TR-04-021419

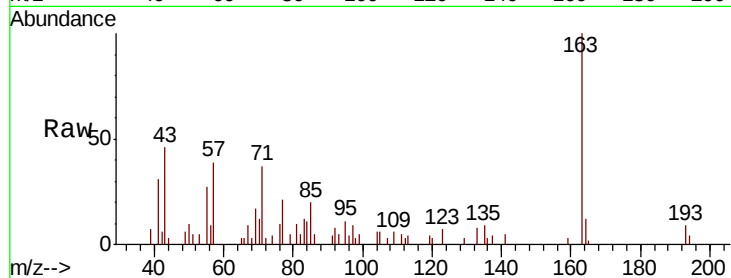
Tgt Ion:163 Resp: 12433

Ion Ratio Lower Upper

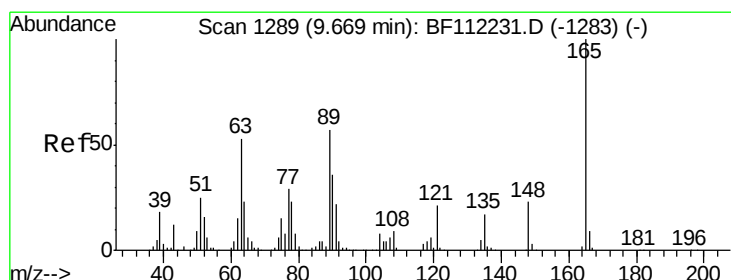
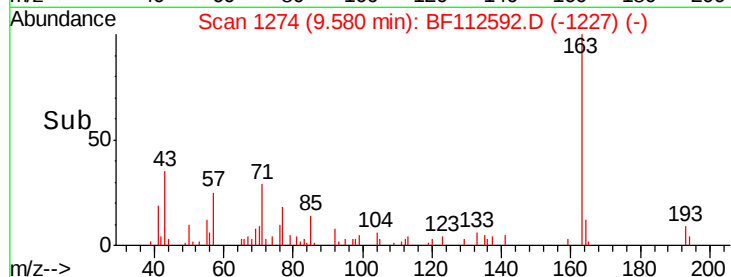
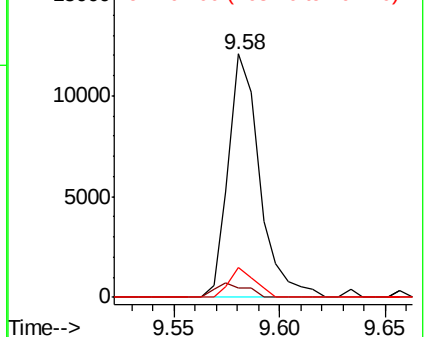
163 100

194 3.8 3.3 4.9

164 12.2 8.5 12.7



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: 8.247 ng

RT: 9.87 min Scan# 1323

Delta R.T. 0.20 min

Lab File: BF112592.D

Acq: 15 Feb 2019 21:26

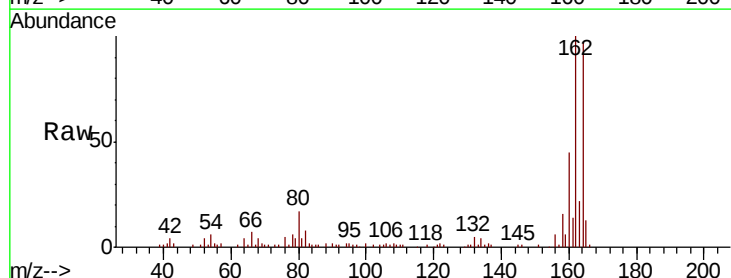
Tgt Ion:165 Resp: 8278

Ion Ratio Lower Upper

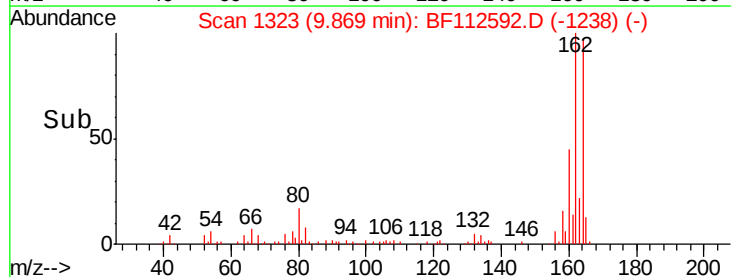
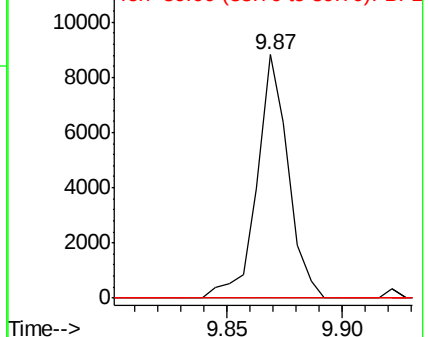
165 100

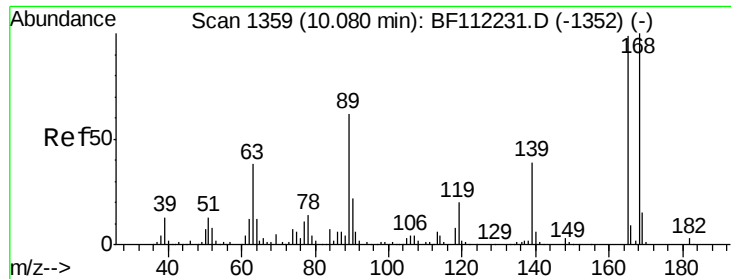
63 0.0 33.8 50.8#

89 0.0 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

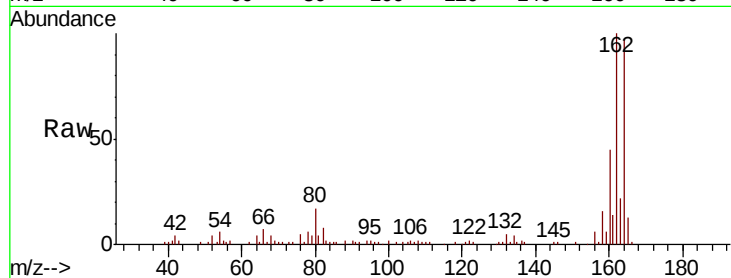




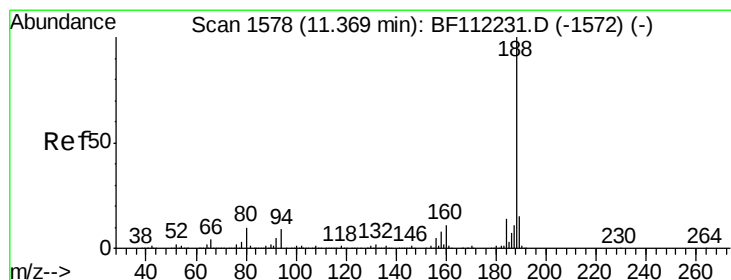
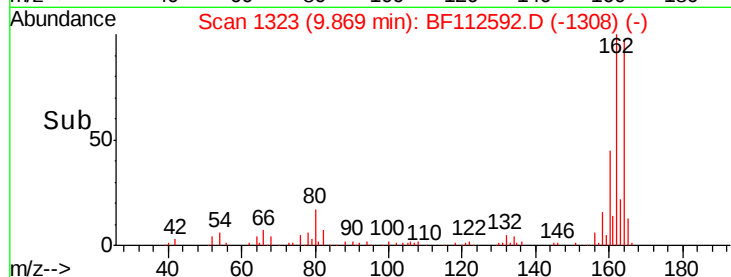
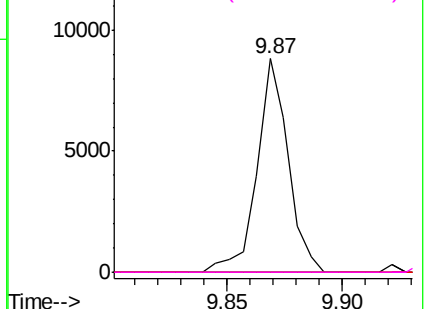
#57
 2,4-Dinitrotoluene
 Concen: 6.478 ng
 RT: 9.87 min Scan# 1323
 Delta R.T. -0.21 min
 Lab File: BF112592.D
 Acq: 15 Feb 2019 21:26

Instrument :
 BNA_F
 ClientSampleId :
 TR-04-021419

Tgt Ion:	165	Resp:	8278
Ion	Ratio	Lower	Upper
165	100		
63	0.0	27.9	41.9#
89	0.0	47.9	71.9#
182	0.0	2.2	3.4#

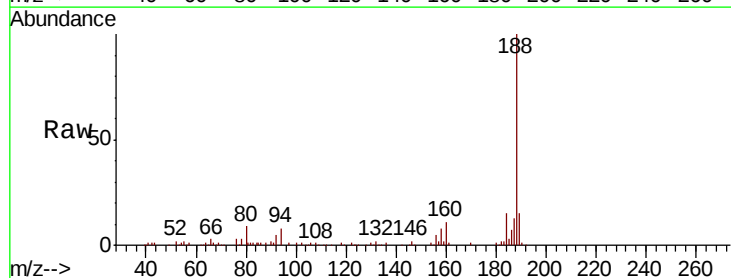


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1
 Ion 182.00 (181.70 to 182.70): E

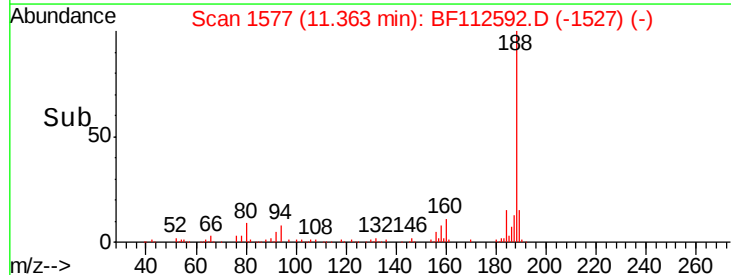
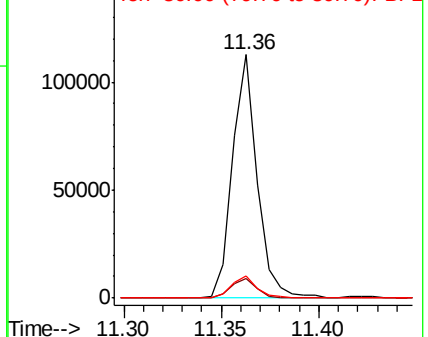


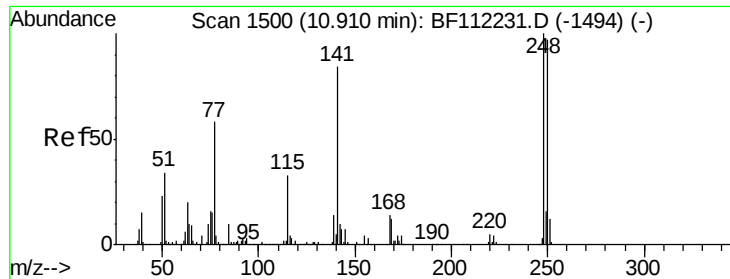
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.36 min Scan# 1577
 Delta R.T. -0.01 min
 Lab File: BF112592.D
 Acq: 15 Feb 2019 21:26

Tgt Ion:	188	Resp:	98985
Ion	Ratio	Lower	Upper
188	100		
94	7.9	8.2	12.2#
80	9.1	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

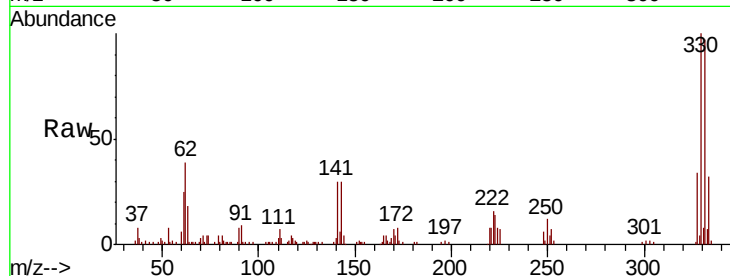




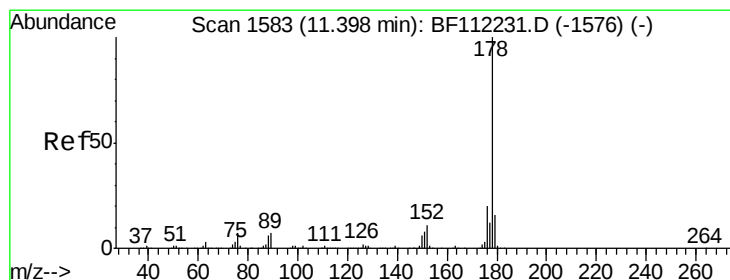
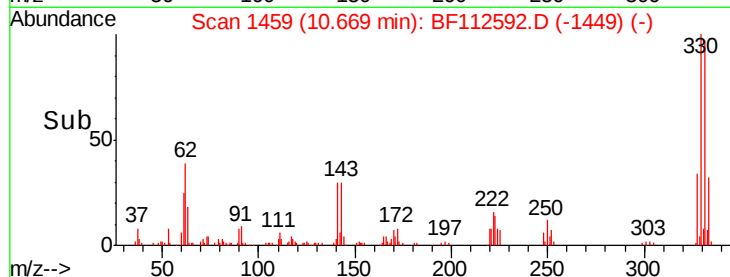
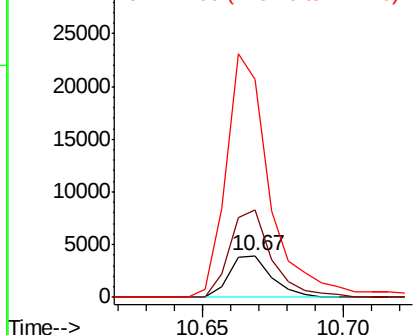
#67
 4-Bromophenyl-phenylether
 Concen: 3.560 ng
 RT: 10.67 min Scan# 1459
 Delta R.T. -0.24 min
 Lab File: BF112592.D
 Acq: 15 Feb 2019 21:26

Instrument :
 BNA_F
 ClientSampleId :
 TR-04-021419

Tgt Ion:248 Resp: 4144
 Ion Ratio Lower Upper
 248 100
 250 209.5 79.7 119.5#
 141 520.7 60.3 90.5#

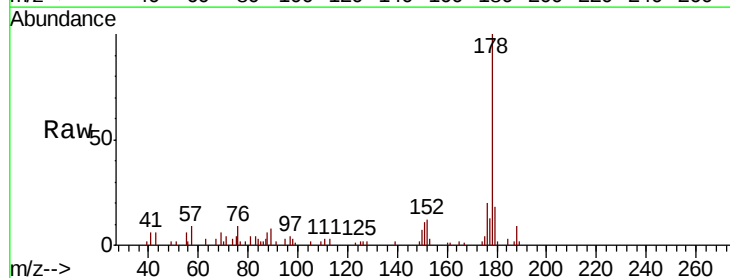


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

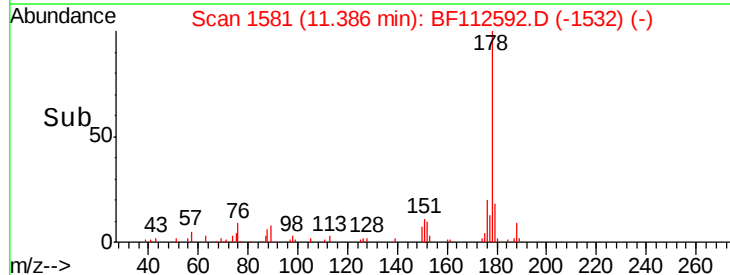
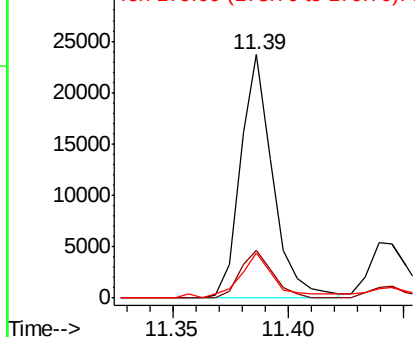


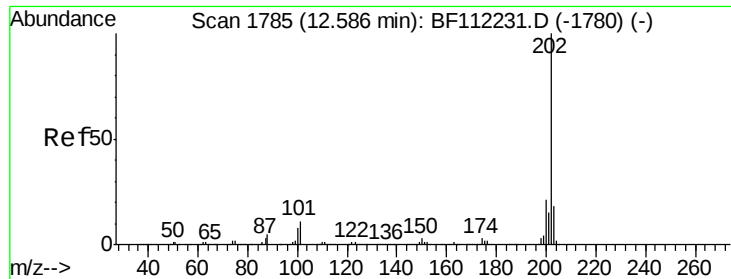
#71
 Phenanthrene
 Concen: 4.492 ng
 RT: 11.39 min Scan# 1581
 Delta R.T. -0.01 min
 Lab File: BF112592.D
 Acq: 15 Feb 2019 21:26

Tgt Ion:178 Resp: 23117
 Ion Ratio Lower Upper
 178 100
 176 19.8 16.3 24.5
 179 18.4 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: 10.353 ng

RT: 12.59 min Scan# 1785

Delta R.T. 0.00 min

Lab File: BF112592.D

Acq: 15 Feb 2019 21:26

Instrument :

BNA_F

ClientSampleId :

TR-04-021419

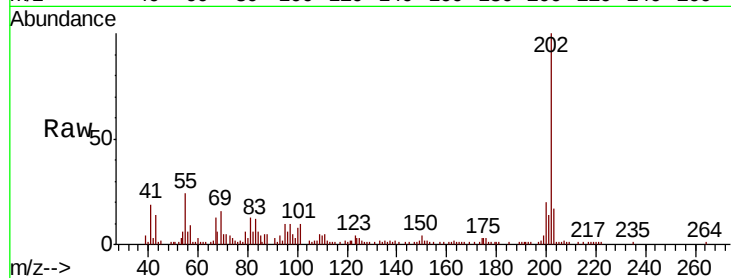
Tgt Ion:202 Resp: 57145

Ion Ratio Lower Upper

202 100

101 10.4 0.0 31.8

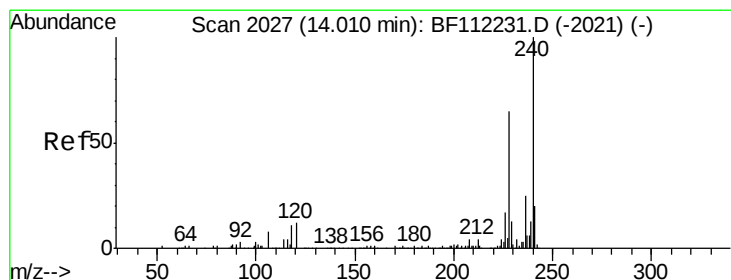
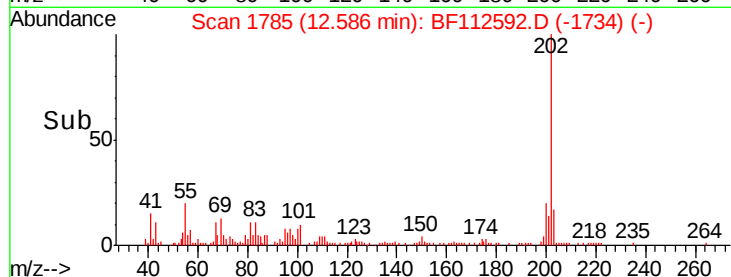
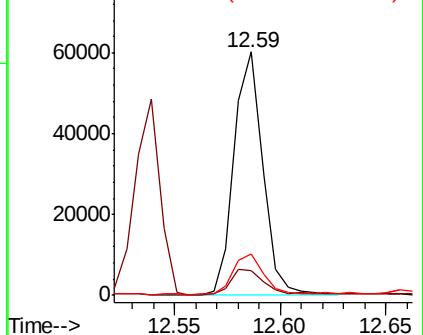
203 16.9 0.0 38.4



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: 14.01 min Scan# 2027

Delta R.T. 0.00 min

Lab File: BF112592.D

Acq: 15 Feb 2019 21:26

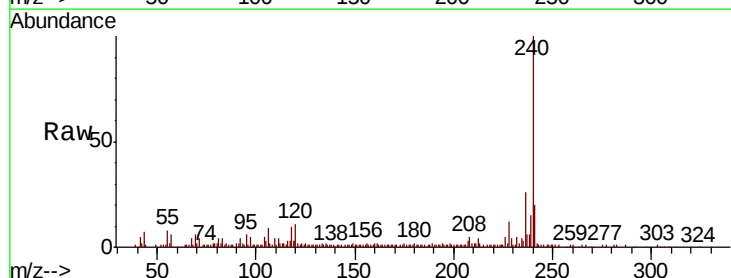
Tgt Ion:240 Resp: 74082

Ion Ratio Lower Upper

240 100

120 11.3 9.0 13.6

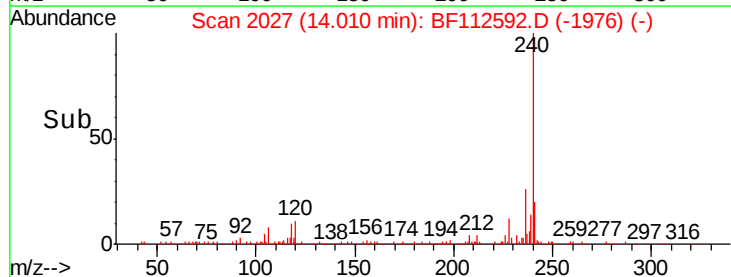
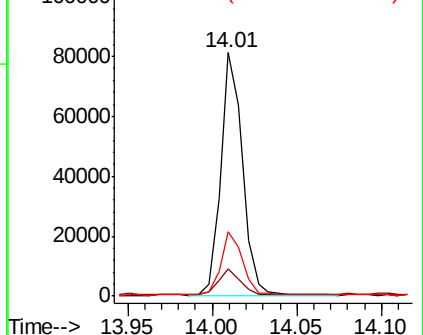
236 26.2 20.7 31.1

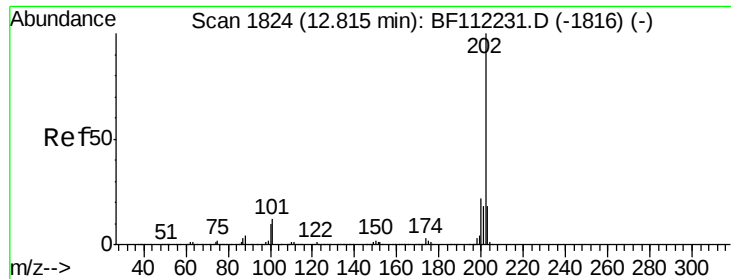


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pyrene

Concen: 10.996 ng

RT: 12.82 min Scan# 1825

Delta R.T. 0.01 min

Lab File: BF112592.D

Acq: 15 Feb 2019 21:26

Instrument :

BNA_F

ClientSampleId :

TR-04-021419

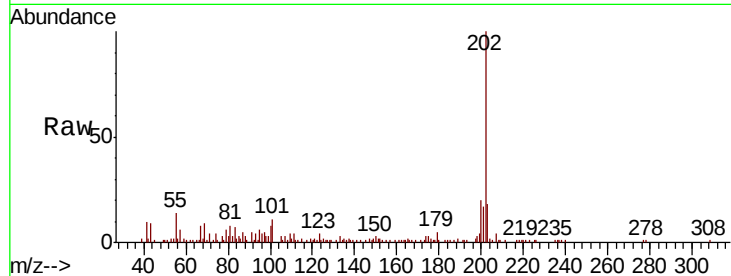
Tgt Ion:202 Resp: 56400

Ion Ratio Lower Upper

202 100

200 19.8 17.7 26.5

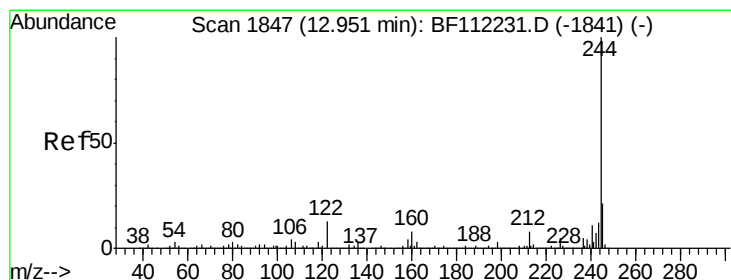
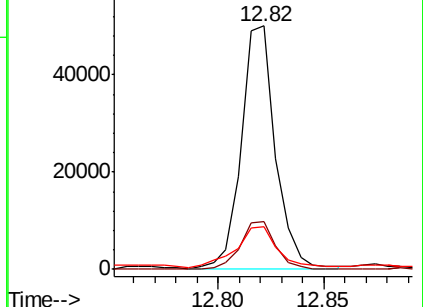
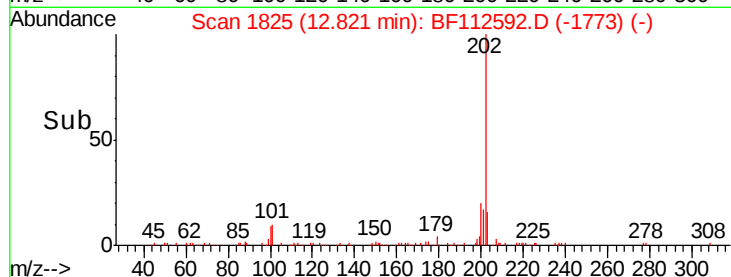
203 17.7 14.6 22.0



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#79

Terphenyl-d14

Concen: 60.956 ng

RT: 12.94 min Scan# 1846

Delta R.T. -0.01 min

Lab File: BF112592.D

Acq: 15 Feb 2019 21:26

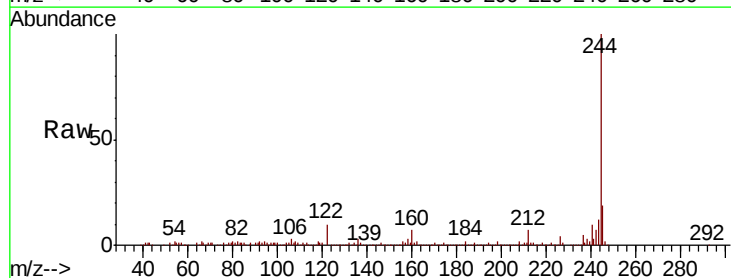
Tgt Ion:244 Resp: 239759

Ion Ratio Lower Upper

244 100

212 6.8 5.9 8.9

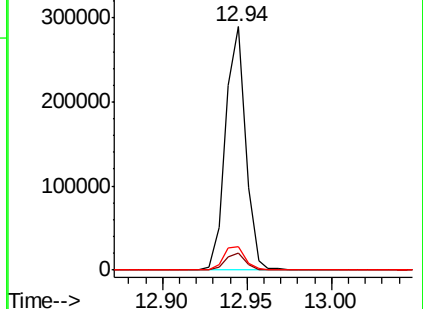
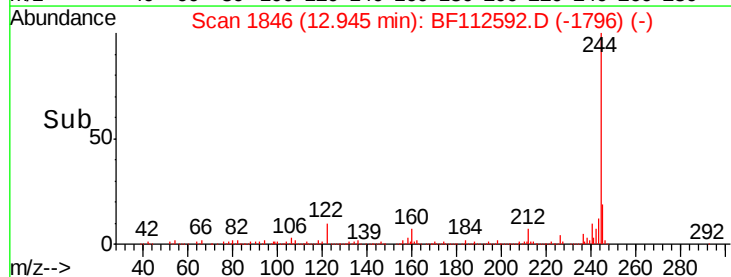
122 9.8 9.8 14.6

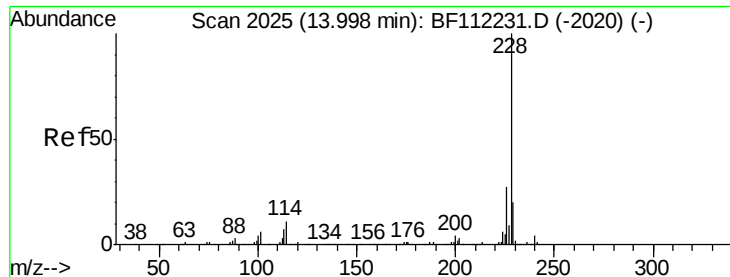


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

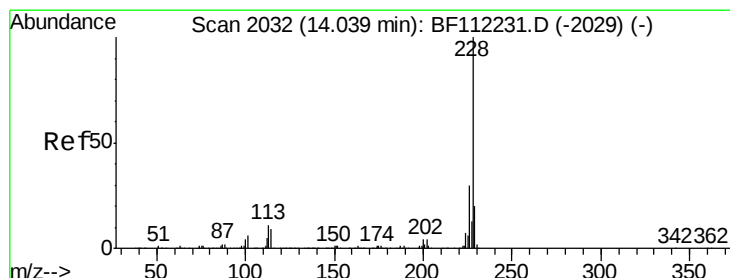
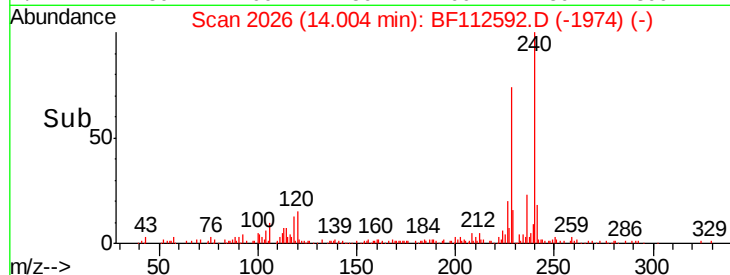
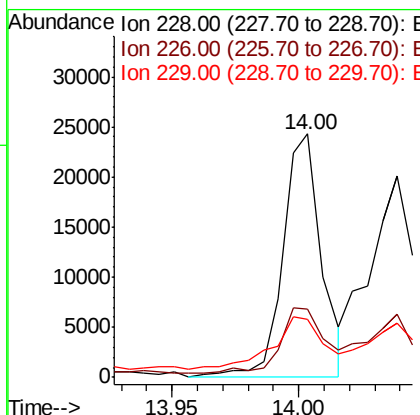
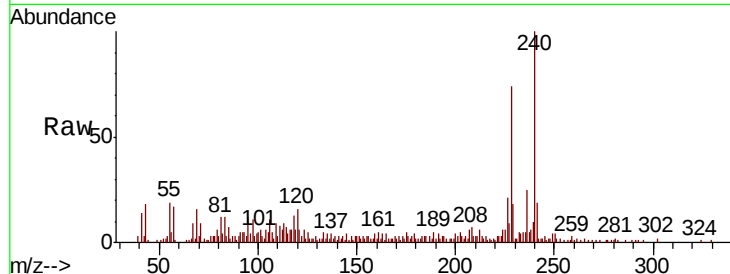




#81
Benzo(a)anthracene
Concen: 5.938 ng
RT: 14.00 min Scan# 2026
Delta R.T. 0.01 min
Lab File: BF112592.D
Acq: 15 Feb 2019 21:26

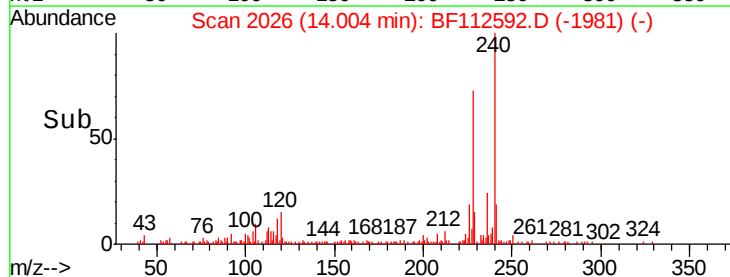
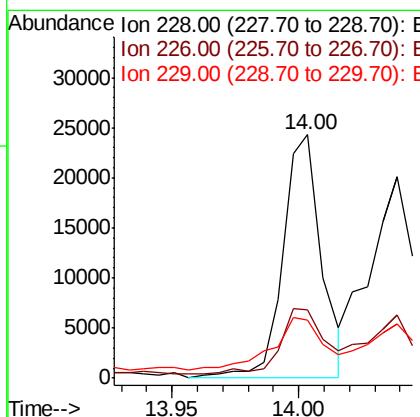
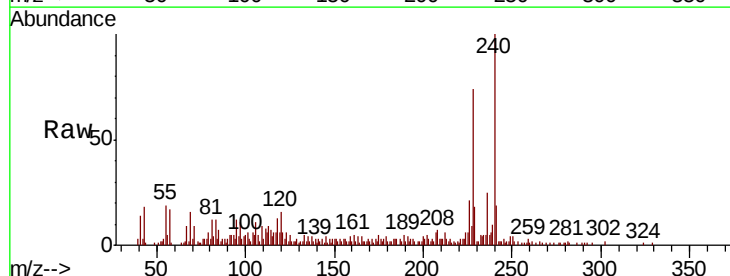
Instrument :
BNA_F
ClientSampleId :
TR-04-021419

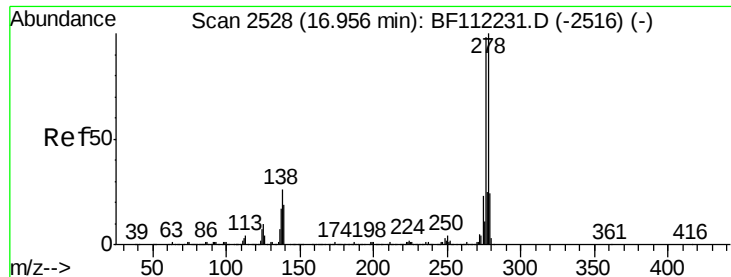
Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.2	22.6	34.0
229	23.8	16.5	24.7



#83
Chrysene
Concen: 6.221 ng
RT: 14.00 min Scan# 2026
Delta R.T. -0.04 min
Lab File: BF112592.D
Acq: 15 Feb 2019 21:26

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.2	25.0	37.6
229	23.8	16.6	24.8

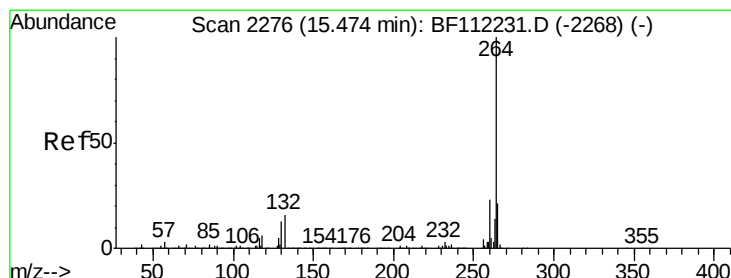
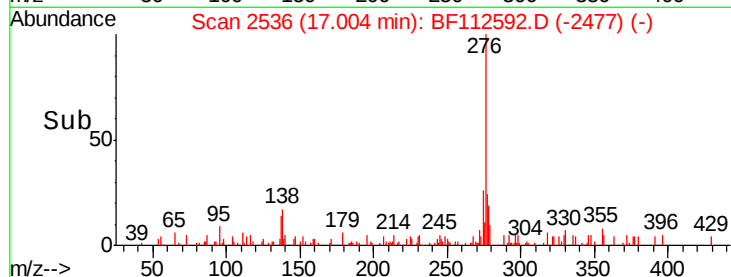
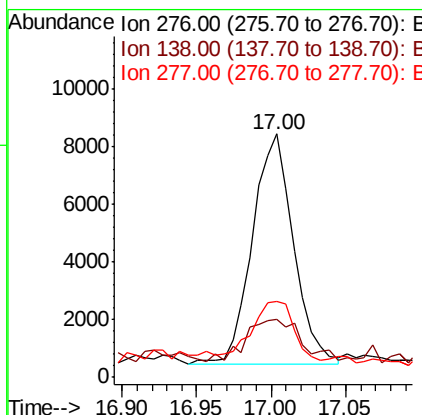
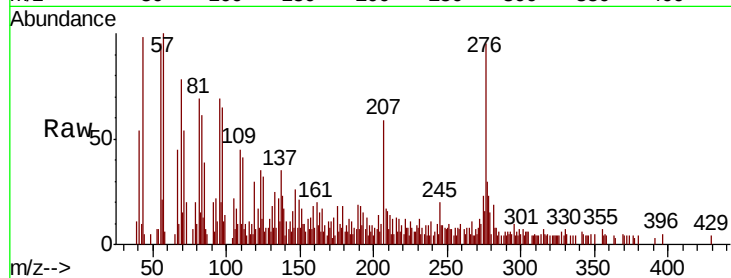




#86
 Indeno(1,2,3-cd)pyrene
 Concen: 4.601 ng
 RT: 17.00 min Scan# 2536
 Delta R.T. 0.05 min
 Lab File: BF112592.D
 Acq: 15 Feb 2019 21:26

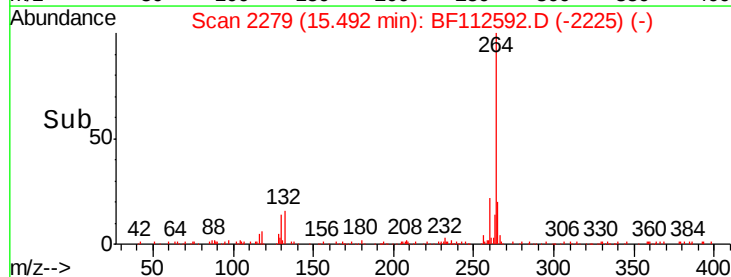
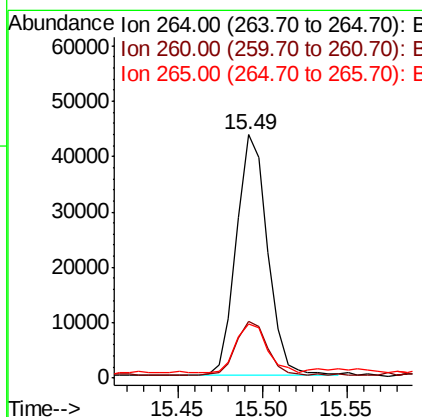
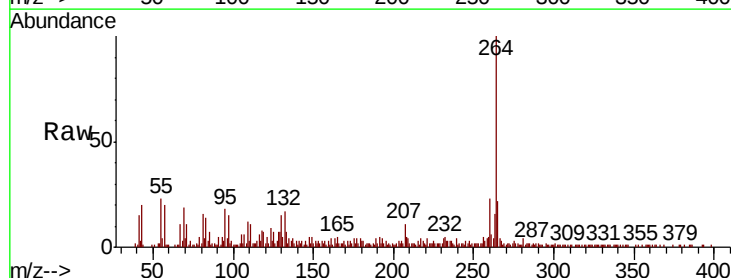
Instrument :
 BNA_F
 ClientSampleId :
 TR-04-021419

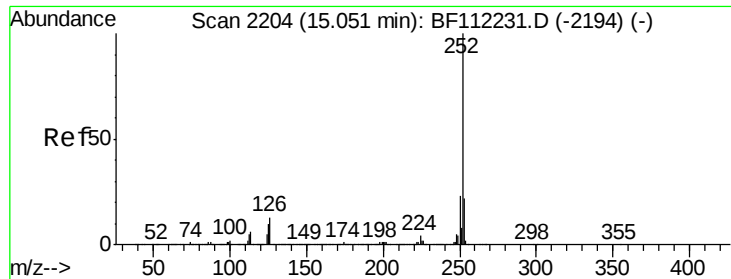
Tgt Ion: 276 Resp: 15157
 Ion Ratio Lower Upper
 276 100
 138 25.4 22.6 34.0
 277 26.2 20.3 30.5



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.49 min Scan# 2279
 Delta R.T. 0.02 min
 Lab File: BF112592.D
 Acq: 15 Feb 2019 21:26

Tgt Ion: 264 Resp: 56417
 Ion Ratio Lower Upper
 264 100
 260 23.3 18.2 27.2
 265 22.2 17.0 25.4

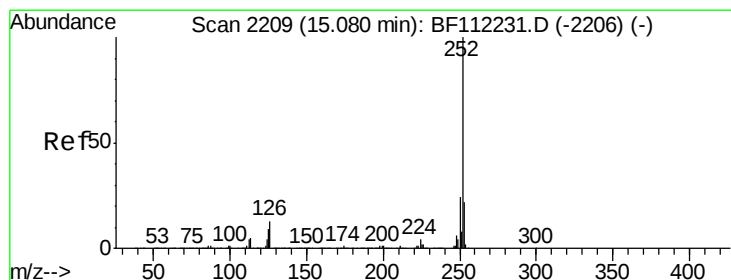
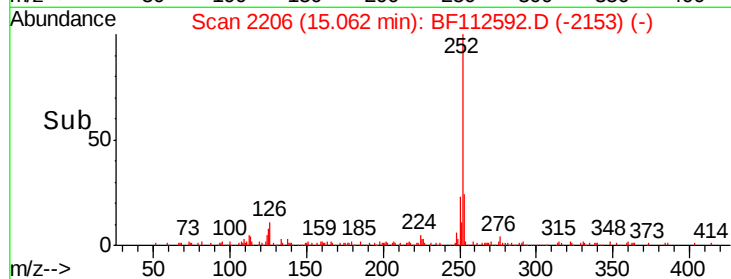
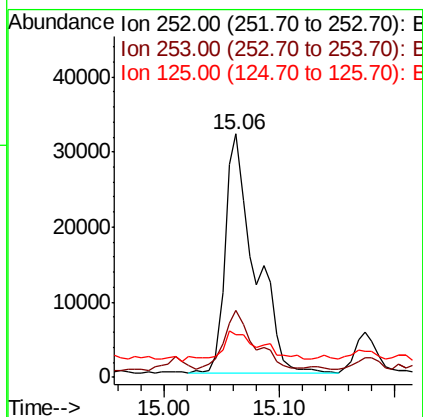
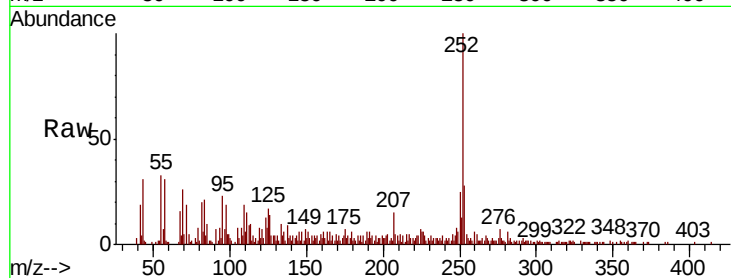




#88
Benzo(b)fluoranthene
Concen: 16.861 ng
RT: 15.06 min Scan# 2206
Delta R.T. 0.01 min
Lab File: BF112592.D
Acq: 15 Feb 2019 21:26

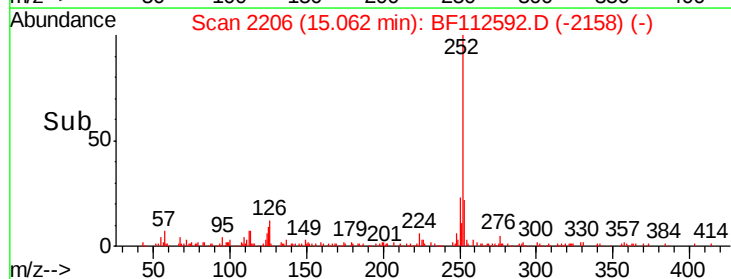
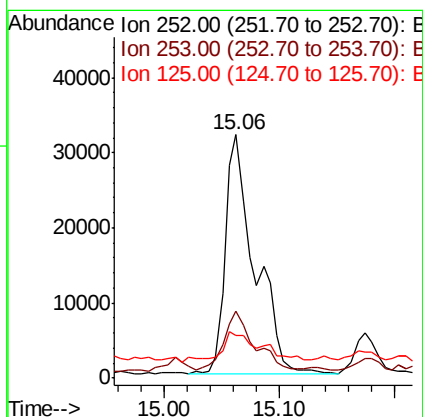
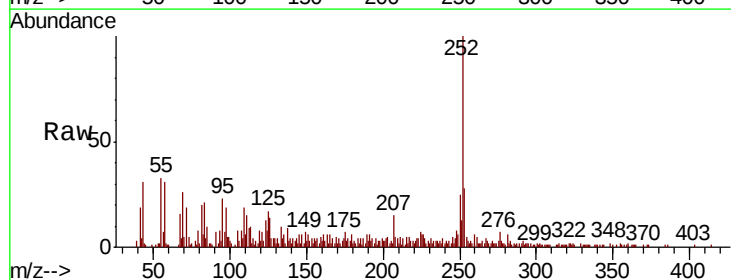
Instrument :
BNA_F
ClientSampleId :
TR-04-021419

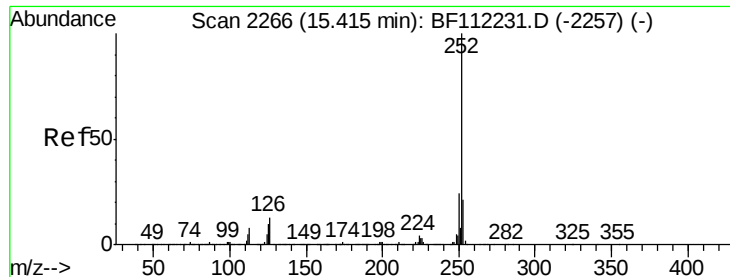
Tgt Ion	Ratio	Lower	Upper
252	100		
253	27.8	18.0	27.0#
125	17.4	8.7	13.1#



#89
Benzo(k)fluoranthene
Concen: 17.603 ng
RT: 15.06 min Scan# 2206
Delta R.T. -0.02 min
Lab File: BF112592.D
Acq: 15 Feb 2019 21:26

Tgt Ion	Ratio	Lower	Upper
252	100		
253	27.8	18.0	27.0#
125	17.4	9.1	13.7#





#90

Benzo(a)pyrene

Concen: 9.536 ng

RT: 15.43 min Scan# 2269

Delta R.T. 0.02 min

Lab File: BF112592.D

Acq: 15 Feb 2019 21:26

Instrument :

BNA_F

ClientSampleId :

TR-04-021419

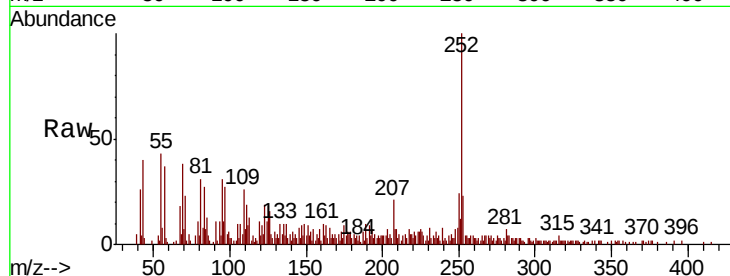
Tgt Ion: 252 Resp: 28950

Ion Ratio Lower Upper

252 100

253 22.7 17.5 26.3

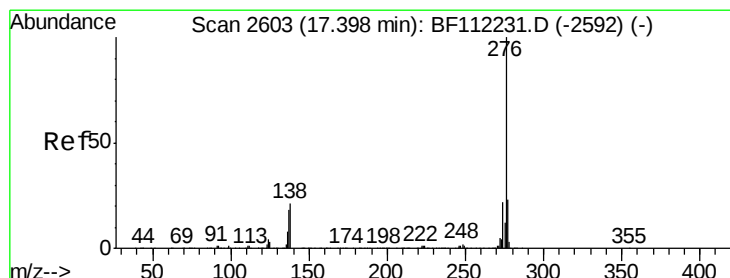
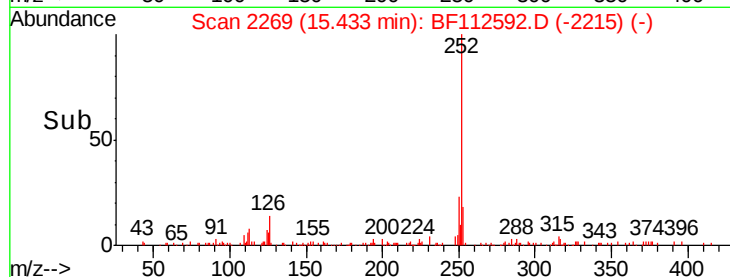
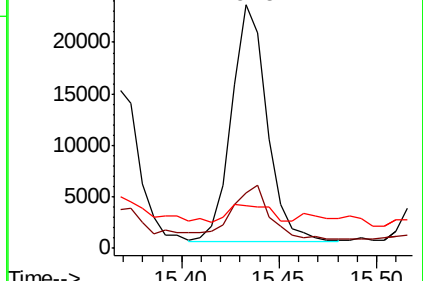
125 17.6 9.0 13.4#



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: 6.628 ng

RT: 17.46 min Scan# 2613

Delta R.T. 0.06 min

Lab File: BF112592.D

Acq: 15 Feb 2019 21:26

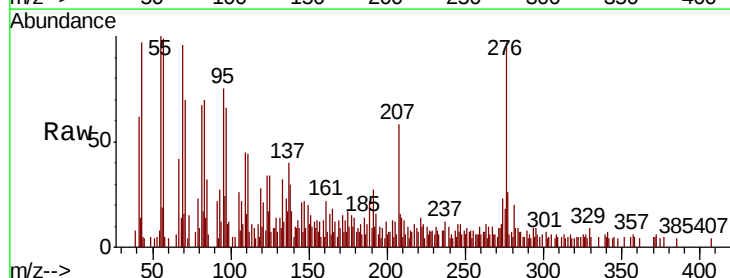
Tgt Ion: 276 Resp: 15300

Ion Ratio Lower Upper

276 100

277 27.2 19.4 29.0

138 30.6 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

