

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF020119\
 Data File : BF112357.D
 Acq On : 1 Feb 2019 17:51
 Operator : JU/SJ
 Sample : K1297-04
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DUP-01-30-19

Quant Time: Feb 01 23:20:40 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	160568	20.00	ng	-0.01
21) Naphthalene-d8	8.12	136	593376	20.00	ng	-0.01
39) Acenaphthene-d10	9.87	164	274067	20.00	ng	-0.02
64) Phenanthrene-d10	11.36	188	455637	20.00	ng	-0.01
76) Chrysene-d12	14.00	240	318696	20.00	ng	0.00
87) Perylene-d12	15.47	264	368974	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.47	112	1010854	133.72	ng	0.00
7) Phenol-d6	6.49	99	1230627	117.15	ng	0.00
23) Nitrobenzene-d5	7.40	82	782353	75.97	ng	-0.01
42) 2,4,6-Tribromophenol	10.66	330	330736	103.68	ng	-0.02
45) 2-Fluorobiphenyl	9.19	172	1240604	64.02	ng	-0.01
79) Terphenyl-d14	12.94	244	821898	48.57	ng	-0.01

Target Compounds

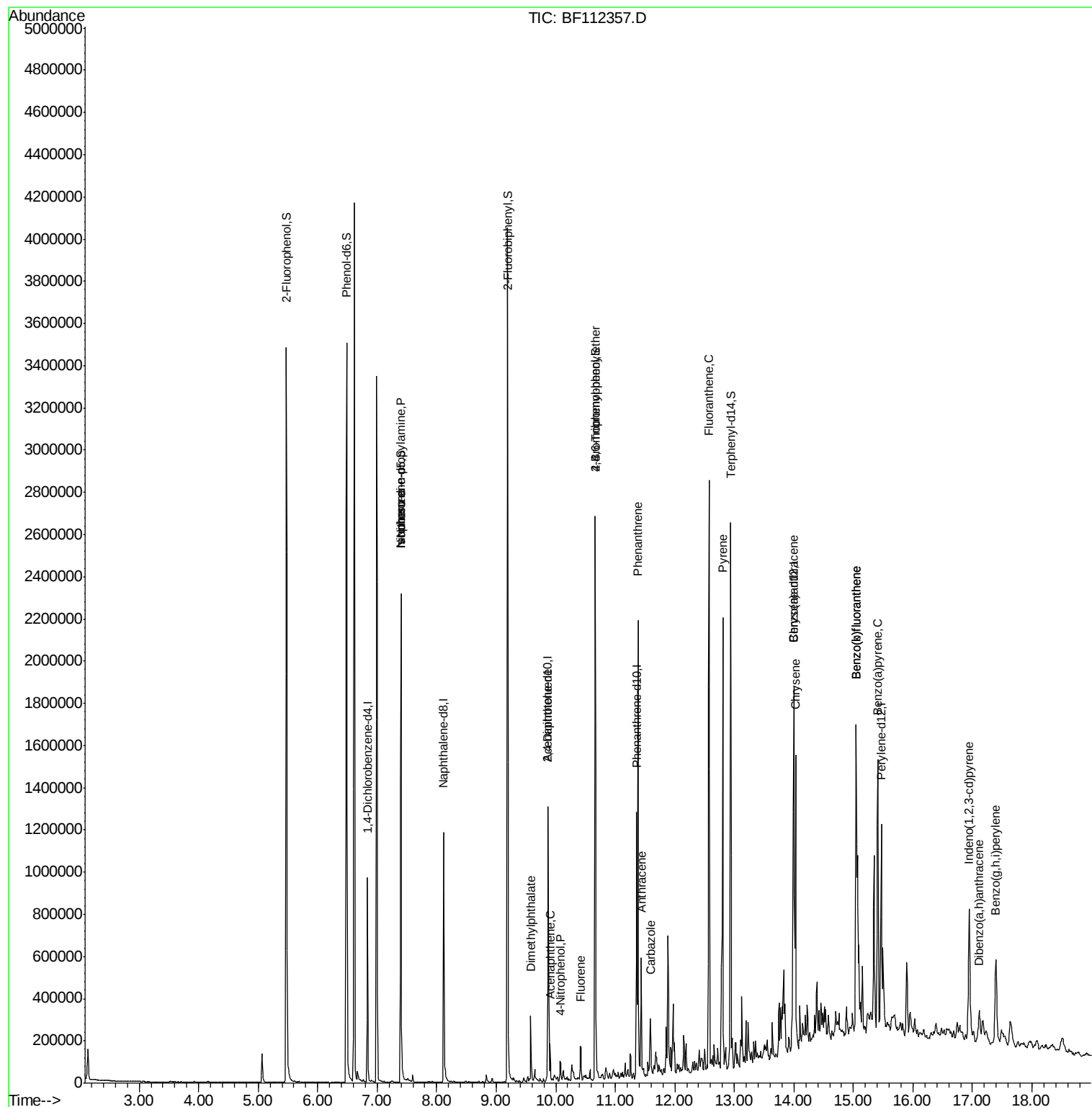
						Qvalue
19) n-Nitroso-di-n-propylamine	7.40	70	108207	14.939	ng	# 77
25) Isophorone	7.40	82	782342	48.426	ng	# 64
50) Dimethylphthalate	9.58	163	135032	6.341	ng	99
52) Acenaphthene	9.90	154	34703	2.133	ng	99
56) 4-Nitrophenol	10.07	139	13005	4.761	ng	# 15
57) 2,4-Dinitrotoluene	9.87	165	36524	6.016	ng	# 32
58) Fluorene	10.42	166	48191	2.590	ng	100
67) 4-Bromophenyl-phenylether	10.66	248	19998	3.732	ng	# 1
71) Phenanthrene	11.38	178	805948	34.024	ng	98
72) Anthracene	11.43	178	209300	8.870	ng	99
73) Carbazole	11.59	167	112779	4.845	ng	99
75) Fluoranthene	12.57	202	1059247	41.692	ng	99
78) Pyrene	12.80	202	835161	37.851	ng	99
81) Benzo(a)anthracene	13.99	228	600444	32.050	ng	99
83) Chrysene	14.03	228	472673	26.431	ng	97
86) Indeno(1,2,3-cd)pyrene	16.94	276	361372	25.502	ng	# 93
88) Benzo(b)fluoranthene	15.04	252	1078748	48.886	ng	99
89) Benzo(k)fluoranthene	15.04	252	1078748	51.037	ng	99
90) Benzo(a)pyrene	15.41	252	610013	30.723	ng	98
91) Dibenzo(a,h)anthracene	17.12	278	84517	5.282	ng	92
92) Benzo(g,h,i)perylene	17.39	276	311553	20.636	ng	99

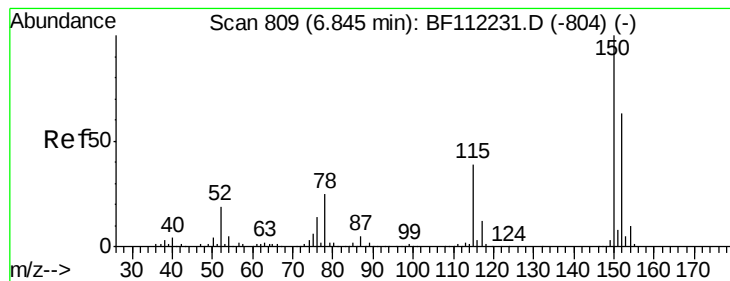
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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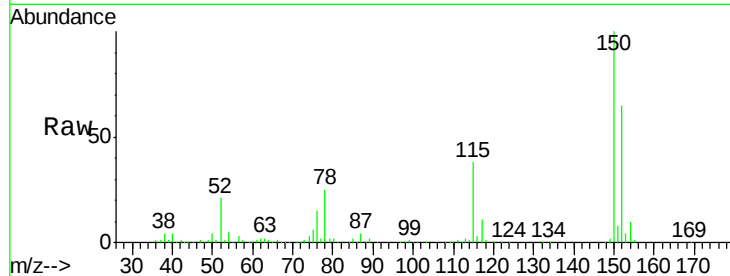


#1

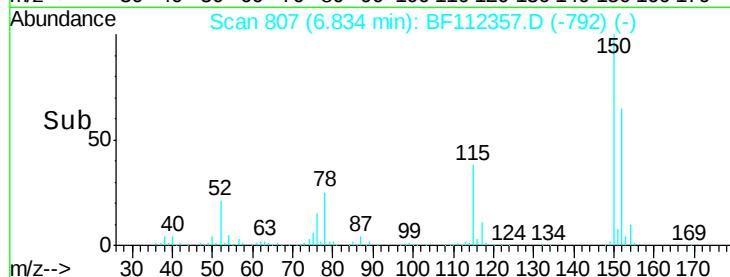
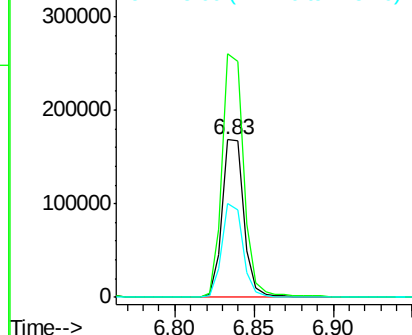
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 807
Delta R.T. -0.01 min
Lab File: BF112357.D
Acq: 1 Feb 2019 17:51

Instrument :
BNA_F
ClientSampleId :
DUP-01-30-19

Tgt Ion:152 Resp: 160568
Ion Ratio Lower Upper
152 100
150 154.8 127.4 191.0
115 59.4 45.5 68.3



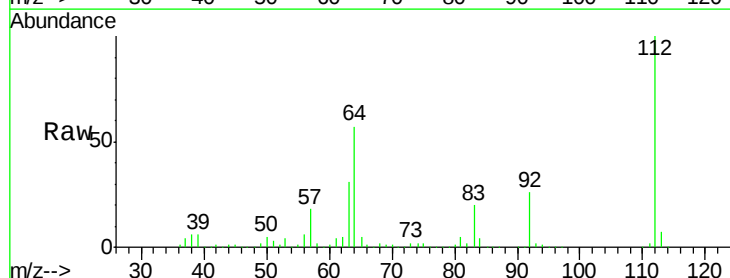
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



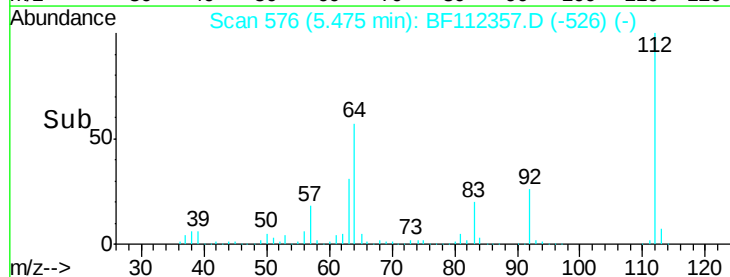
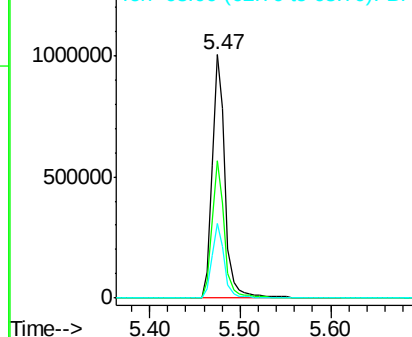
#5

2-Fluorophenol
Concen: 133.720 ng
RT: 5.47 min Scan# 576
Delta R.T. -0.01 min
Lab File: BF112357.D
Acq: 1 Feb 2019 17:51

Tgt Ion:112 Resp: 1010854
Ion Ratio Lower Upper
112 100
64 56.6 45.7 68.5
63 30.8 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: 117.155 ng

RT: 6.49 min Scan# 748

Delta R.T. -0.01 min

Lab File: BF112357.D

Acq: 1 Feb 2019 17:51

Instrument :

BNA_F

ClientSampleId :

DUP-01-30-19

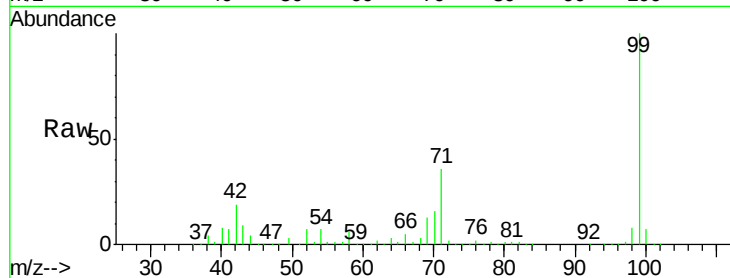
Tgt Ion: 99 Resp: 1230627

Ion Ratio Lower Upper

99 100

42 18.9 15.1 22.7

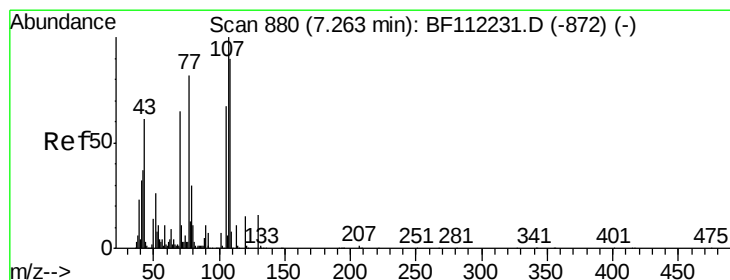
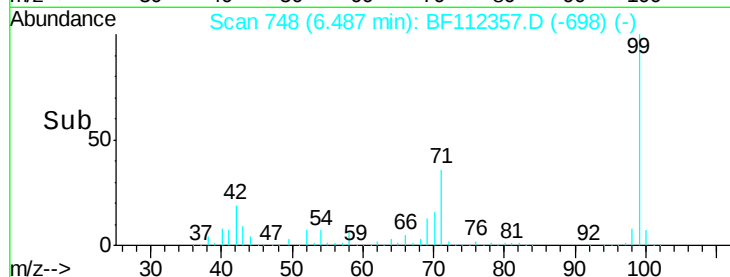
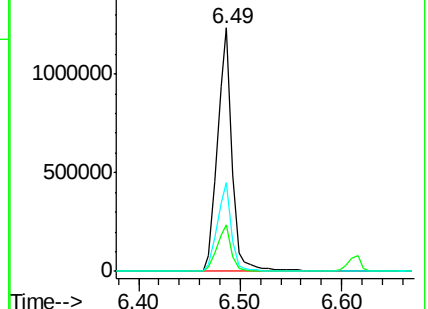
71 36.4 26.9 40.3



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: 14.939 ng

RT: 7.40 min Scan# 903

Delta R.T. 0.14 min

Lab File: BF112357.D

Acq: 1 Feb 2019 17:51

Tgt Ion: 70 Resp: 108207

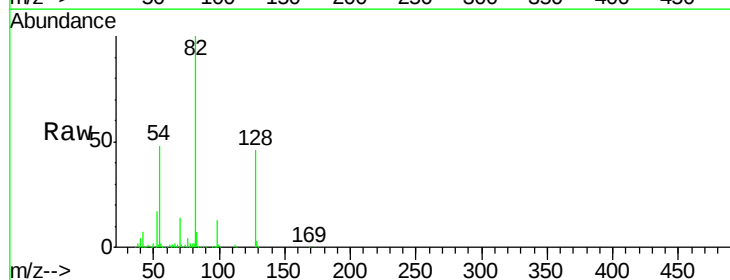
Ion Ratio Lower Upper

70 100

42 48.0 47.6 71.4

101 0.0 7.9 11.9#

130 2.3 18.4 27.6#

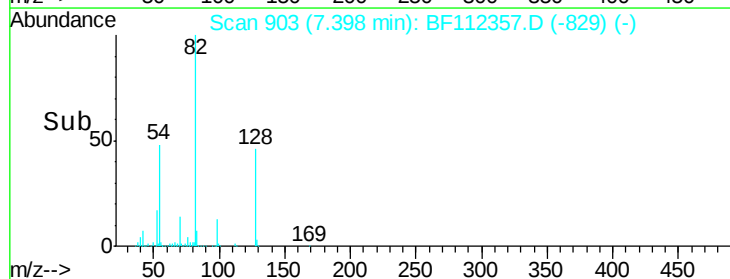
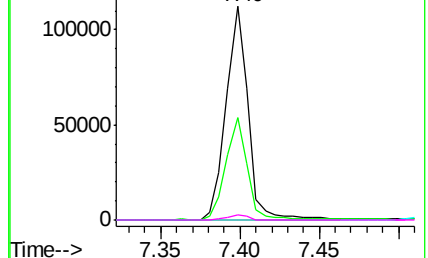


Abundance Ion 70.00 (69.70 to 70.70): BF1

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

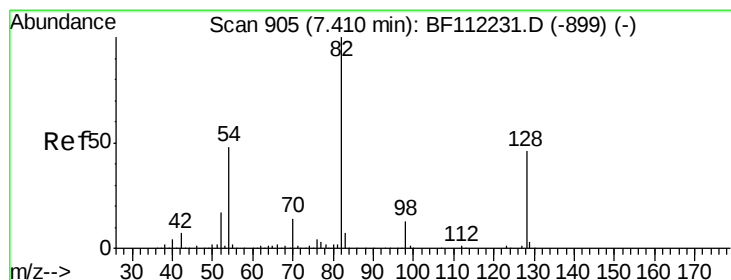
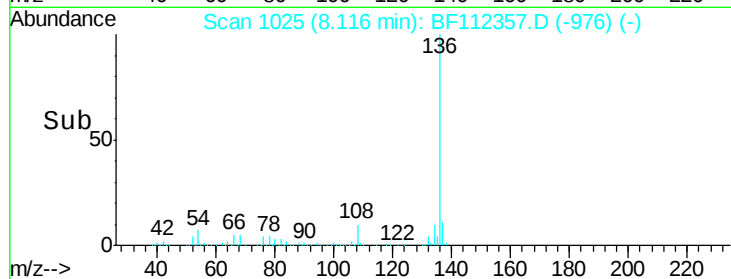
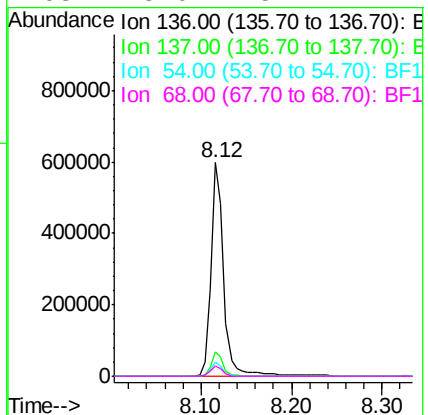
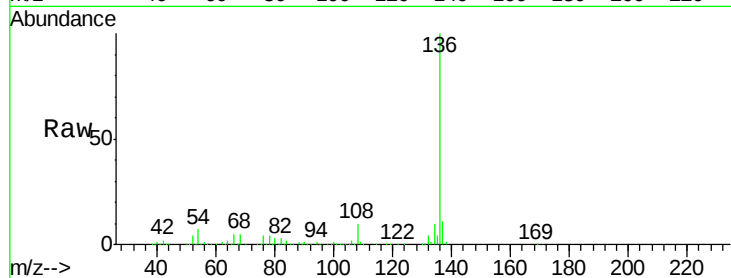




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.12 min Scan# 1025
Delta R.T. -0.01 min
Lab File: BF112357.D
Acq: 1 Feb 2019 17:51

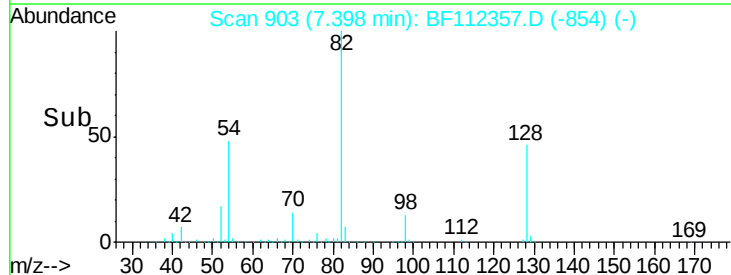
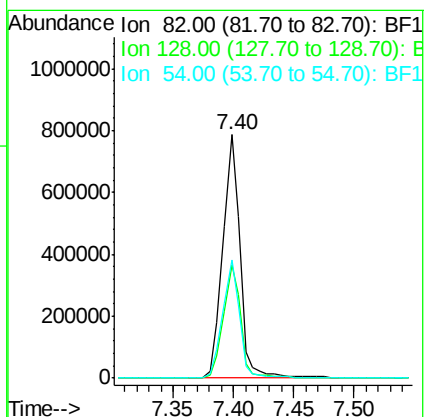
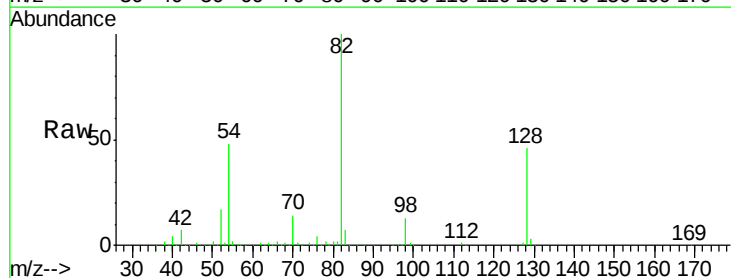
Instrument :
BNA_F
ClientSampleId :
DUP-01-30-19

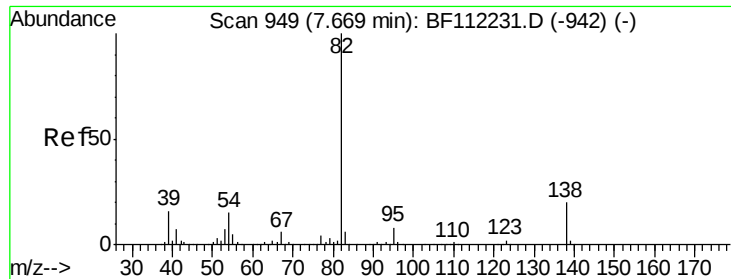
Tgt Ion:	136	Resp:	593376
Ion	Ratio	Lower	Upper
136	100		
137	11.5	9.1	13.7
54	6.8	5.9	8.9
68	5.0	5.1	7.7#



#23
Nitrobenzene-d5
Concen: 75.970 ng
RT: 7.40 min Scan# 903
Delta R.T. -0.01 min
Lab File: BF112357.D
Acq: 1 Feb 2019 17:51

Tgt Ion:	82	Resp:	782353
Ion	Ratio	Lower	Upper
82	100		
128	46.5	37.8	56.8
54	48.5	39.7	59.5





#25

Isophorone

Concen: 48.426 ng

RT: 7.40 min Scan# 903

Delta R.T. -0.27 min

Lab File: BF112357.D

Acq: 1 Feb 2019 17:51

Instrument :

BNA_F

ClientSampleId :

DUP-01-30-19

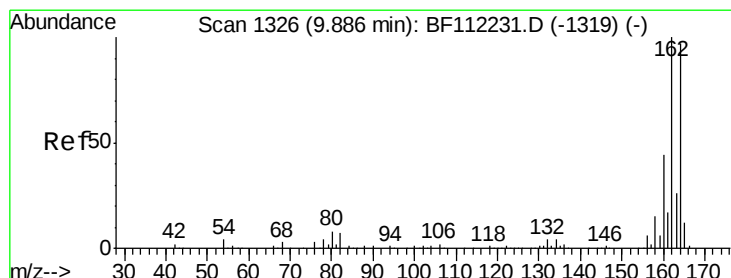
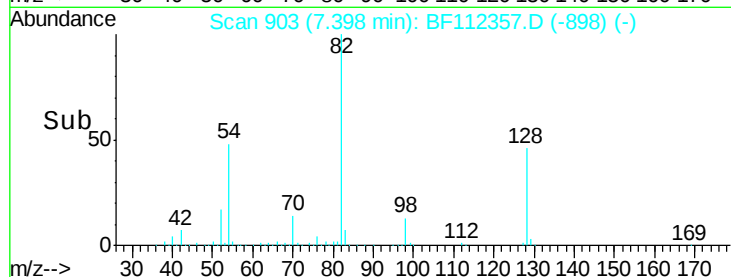
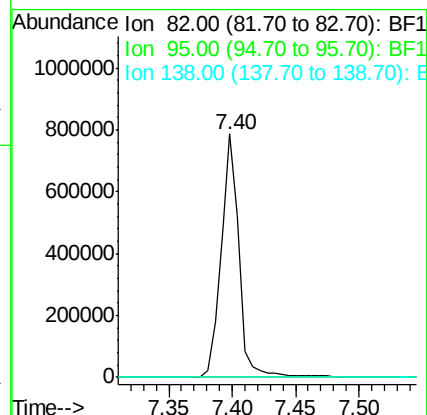
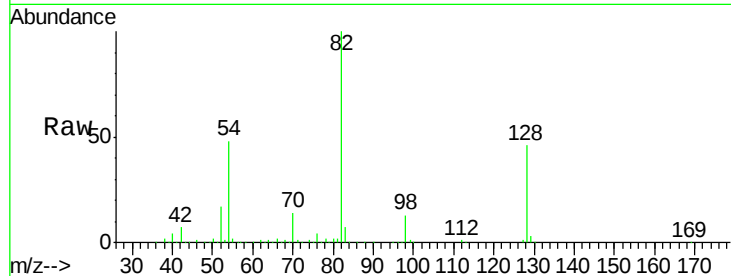
Tgt Ion: 82 Resp: 782342

Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

138 0.0 15.4 23.0#



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.87 min Scan# 1323

Delta R.T. -0.02 min

Lab File: BF112357.D

Acq: 1 Feb 2019 17:51

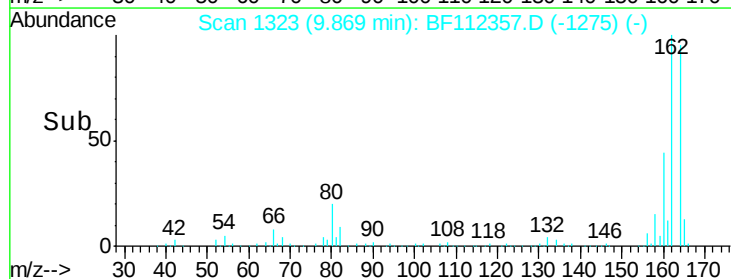
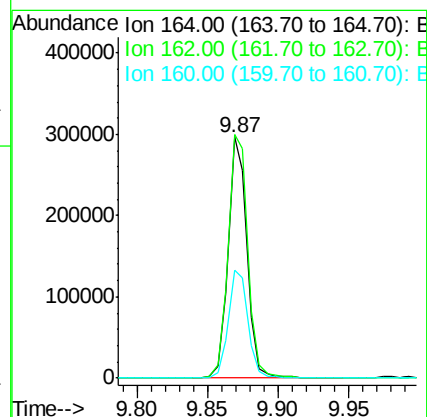
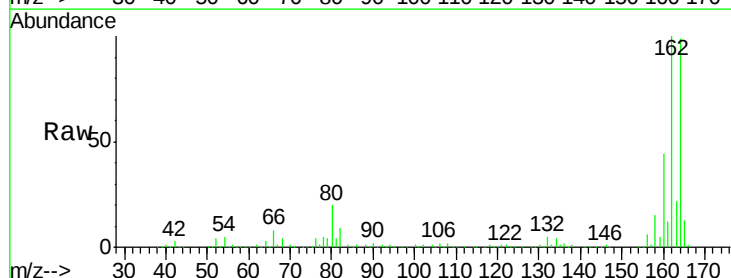
Tgt Ion: 164 Resp: 274067

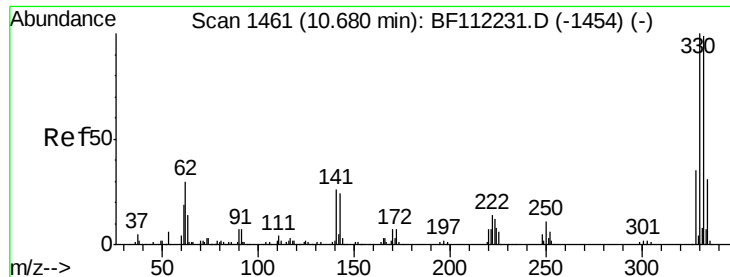
Ion Ratio Lower Upper

164 100

162 101.1 82.2 123.4

160 44.7 36.2 54.4





#42

2,4,6-Tribromophenol

Concen: 103.677 ng

RT: 10.66 min Scan# 1458

Delta R.T. -0.02 min

Lab File: BF112357.D

Acq: 1 Feb 2019 17:51

Instrument :

BNA_F

ClientSampleId :

DUP-01-30-19

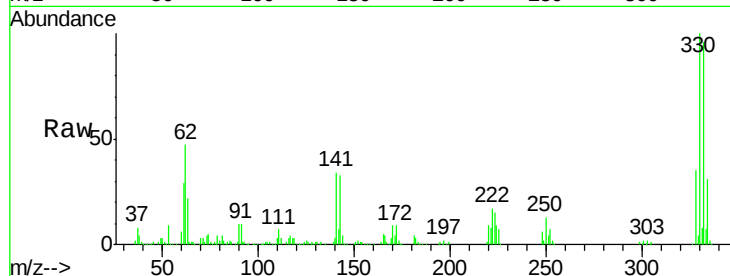
Tgt Ion:330 Resp: 330736

Ion Ratio Lower Upper

330 100

332 96.3 76.6 114.8

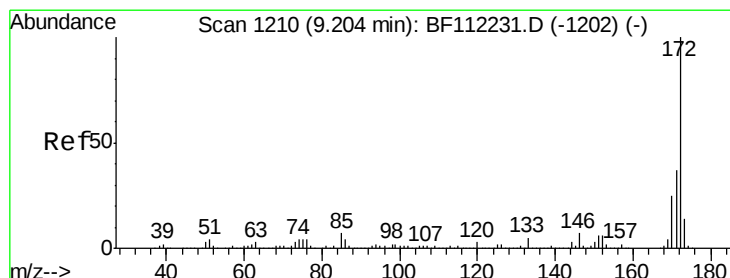
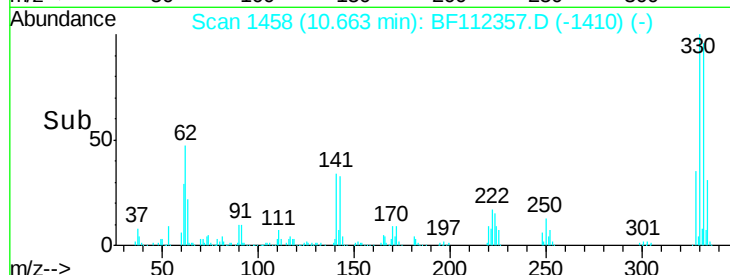
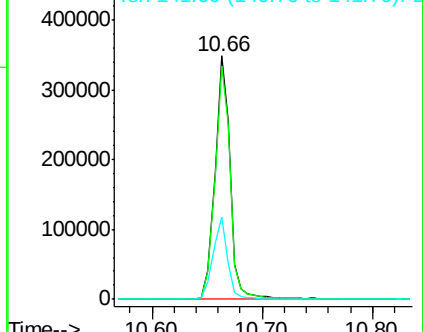
141 32.3 24.3 36.5



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: 64.022 ng

RT: 9.19 min Scan# 1208

Delta R.T. -0.01 min

Lab File: BF112357.D

Acq: 1 Feb 2019 17:51

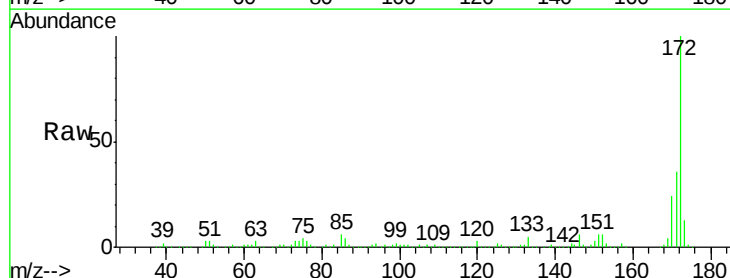
Tgt Ion:172 Resp: 1240604

Ion Ratio Lower Upper

172 100

171 36.2 30.5 45.7

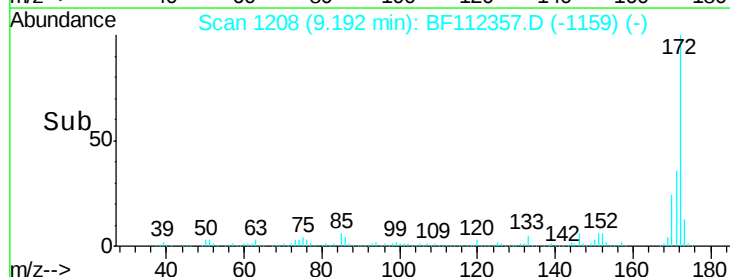
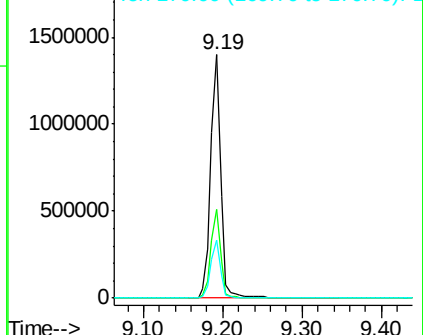
170 24.0 20.2 30.4

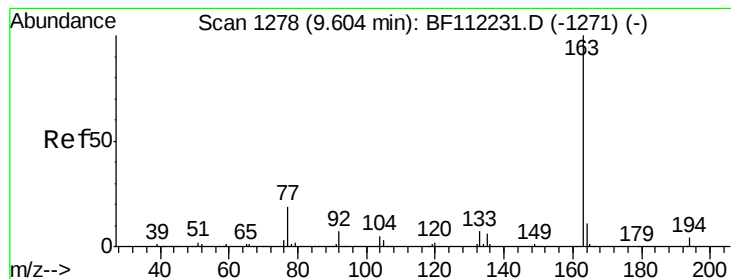


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#50

Dimethylphthalate

Concen: 6.341 ng

RT: 9.58 min Scan# 1274

Delta R.T. -0.02 min

Lab File: BF112357.D

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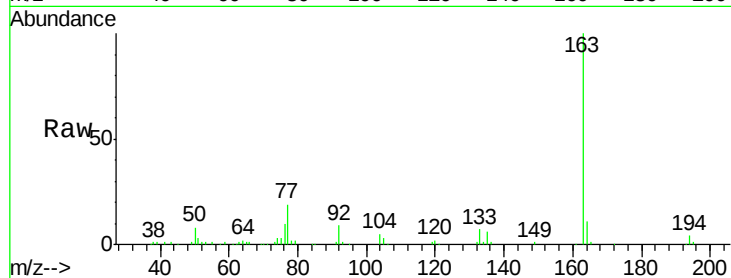
Tgt Ion:163 Resp: 135032

Ion Ratio Lower Upper

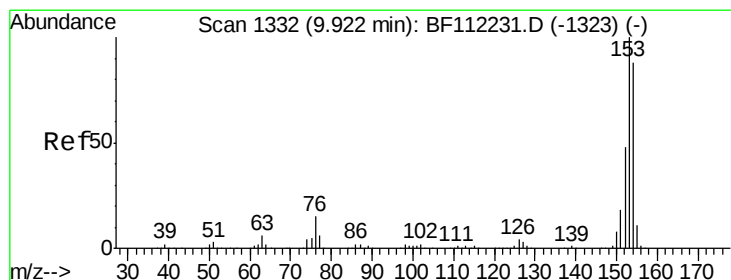
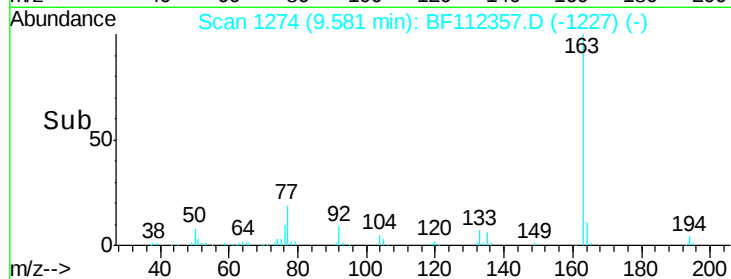
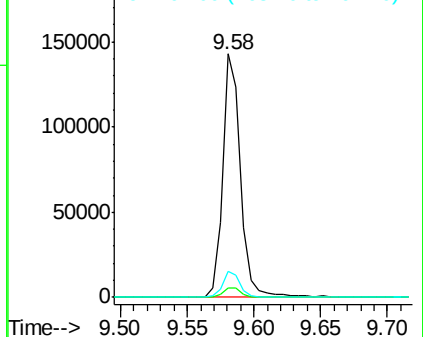
163 100

194 3.6 3.3 4.9

164 10.6 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



#52

Acenaphthene

Concen: 2.133 ng

RT: 9.90 min Scan# 1329

Delta R.T. -0.02 min

Lab File: BF112357.D

Acq: 1 Feb 2019 17:51

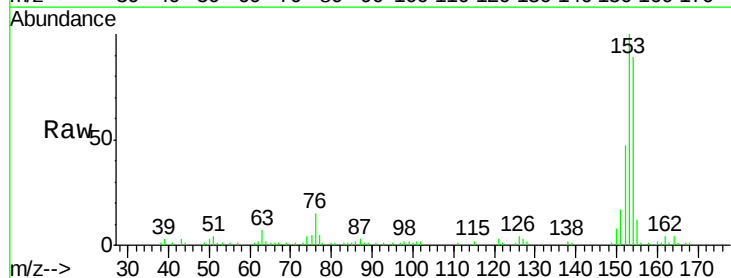
Tgt Ion:154 Resp: 34703

Ion Ratio Lower Upper

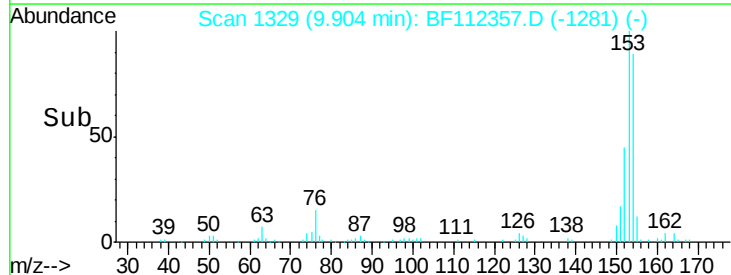
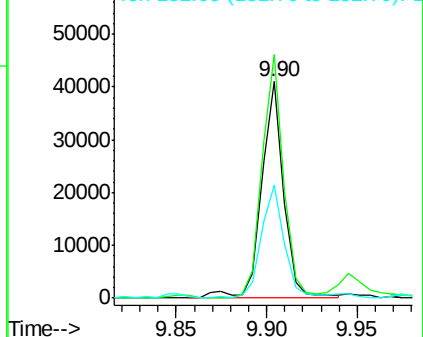
154 100

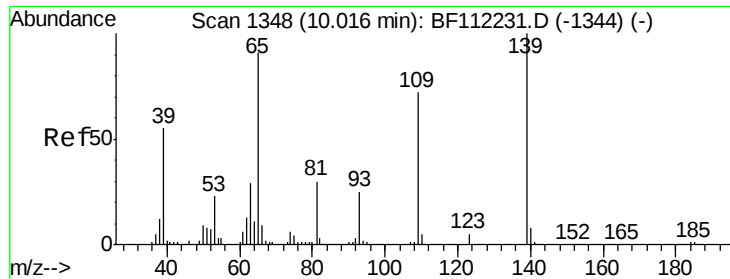
153 112.4 89.8 134.6

152 52.4 43.5 65.3



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E

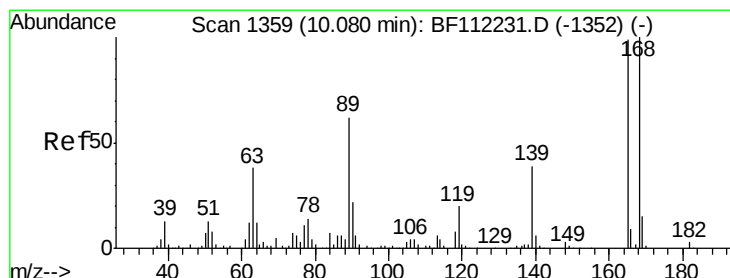
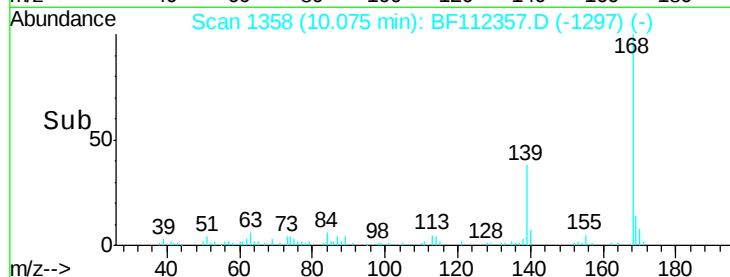
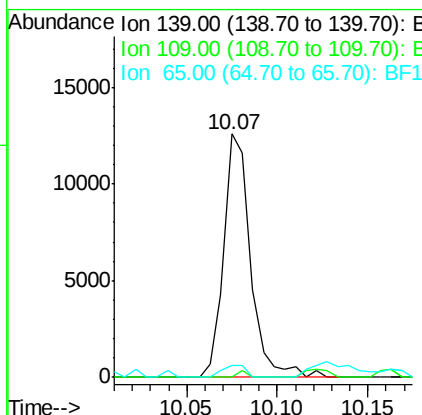
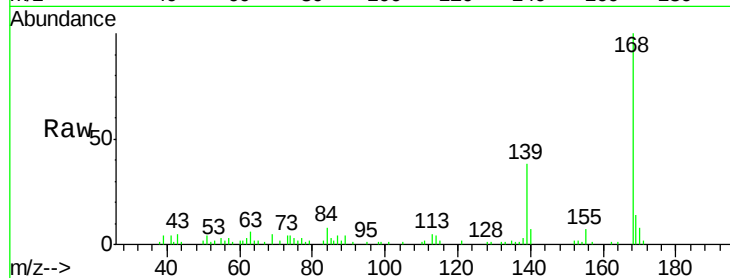




#56
4-Nitrophenol
Concen: 4.761 ng
RT: 10.07 min Scan# 1358
Delta R.T. 0.06 min
Lab File: BF112357.D
Acq: 1 Feb 2019 17:51

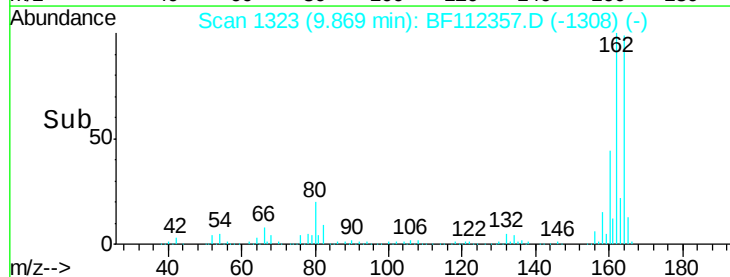
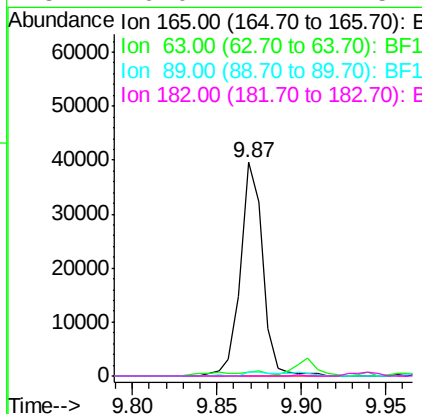
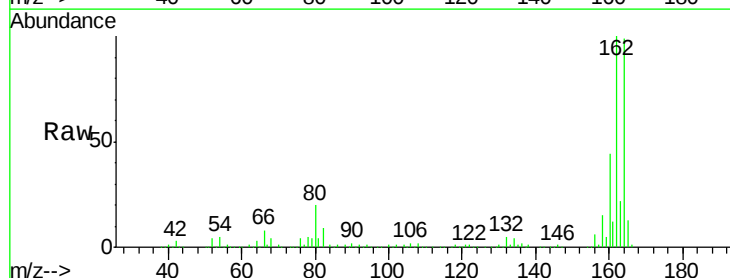
Instrument :
BNA_F
ClientSampleId :
DUP-01-30-19

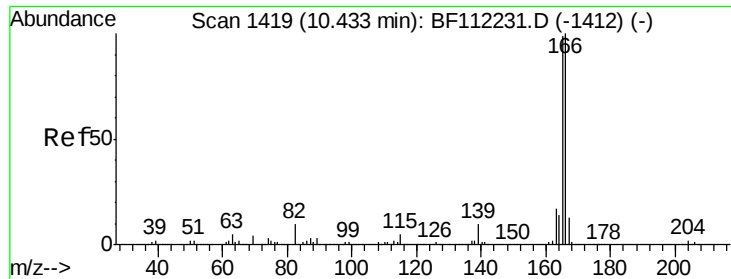
Tgt Ion:139 Resp: 13005
Ion Ratio Lower Upper
139 100
109 0.0 42.8 82.8#
65 4.8 66.1 106.1#



#57
2,4-Dinitrotoluene
Concen: 6.016 ng
RT: 9.87 min Scan# 1323
Delta R.T. -0.21 min
Lab File: BF112357.D
Acq: 1 Feb 2019 17:51

Tgt Ion:165 Resp: 36524
Ion Ratio Lower Upper
165 100
63 1.8 27.9 41.9#
89 1.5 47.9 71.9#
182 0.0 2.2 3.4#





#58

Fluorene

Concen: 2.590 ng

RT: 10.42 min Scan# 1417

Delta R.T. -0.01 min

Lab File: BF112357.D

Acq: 1 Feb 2019 17:51

Instrument :

BNA_F

ClientSampleId :

DUP-01-30-19

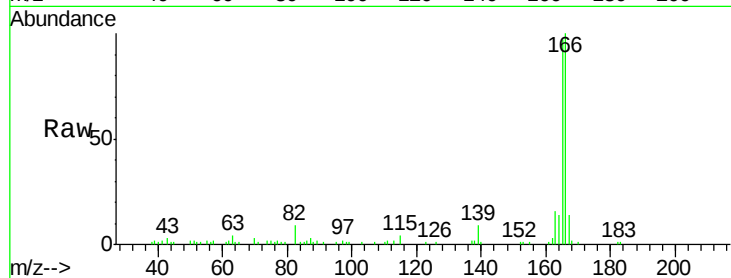
Tgt Ion:166 Resp: 48191

Ion Ratio Lower Upper

166 100

165 96.5 77.1 115.7

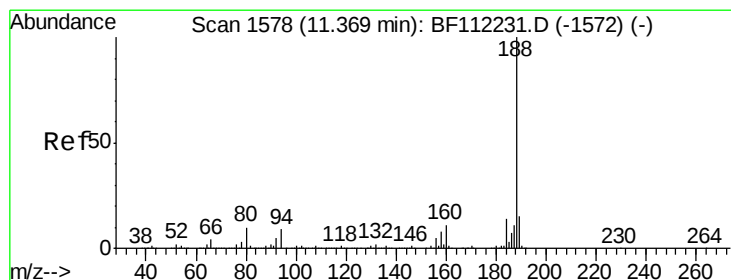
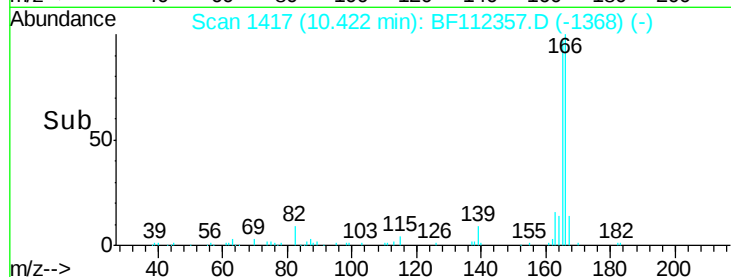
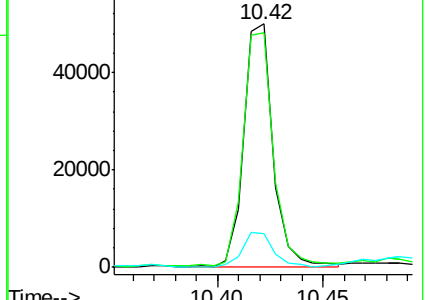
167 13.9 11.3 16.9



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.36 min Scan# 1576

Delta R.T. -0.01 min

Lab File: BF112357.D

Acq: 1 Feb 2019 17:51

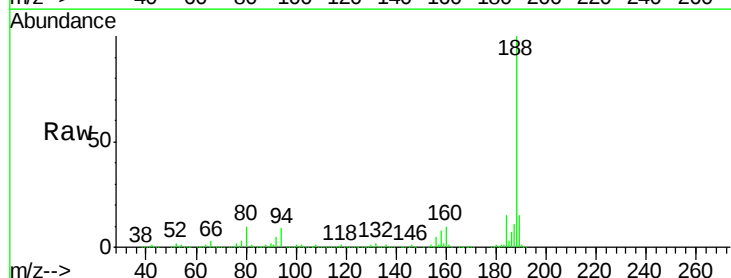
Tgt Ion:188 Resp: 455637

Ion Ratio Lower Upper

188 100

94 8.8 8.2 12.2

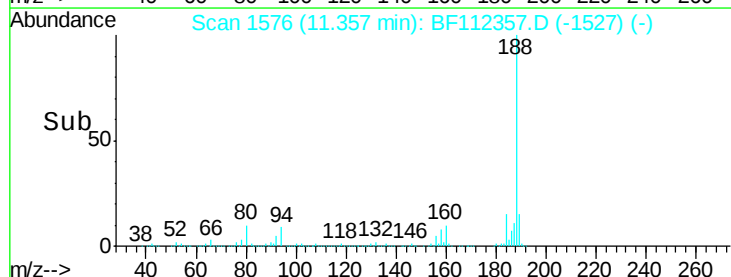
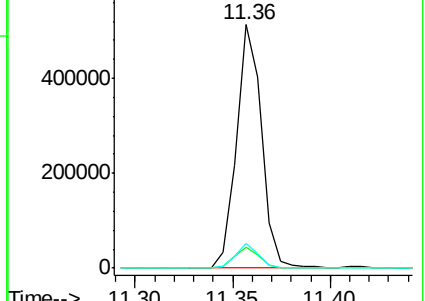
80 10.2 8.9 13.3

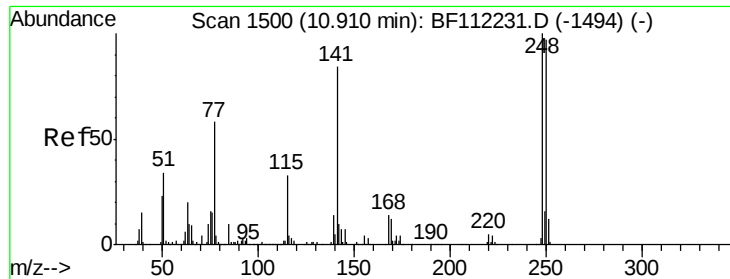


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

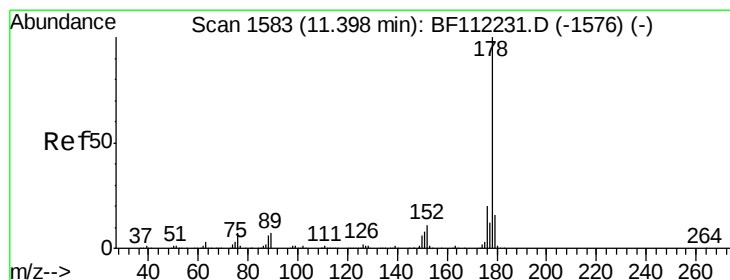
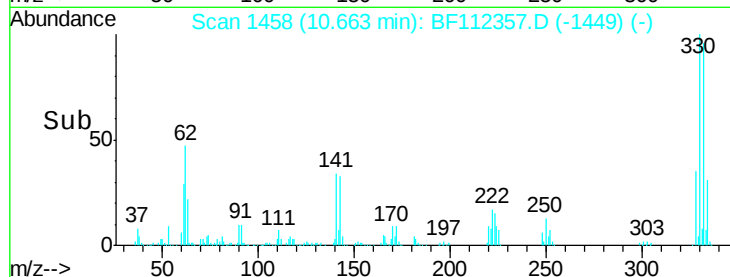
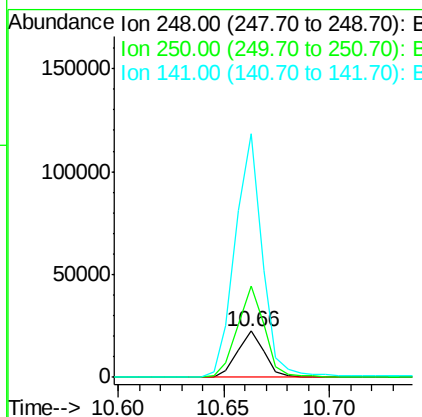
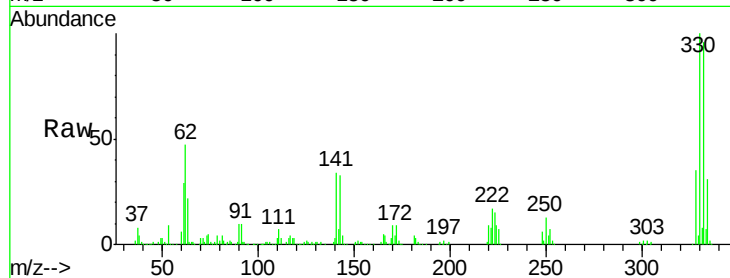




#67
 4-Bromophenyl-phenylether
 Concen: 3.732 ng
 RT: 10.66 min Scan# 1458
 Delta R.T. -0.25 min
 Lab File: BF112357.D
 Acq: 1 Feb 2019 17:51

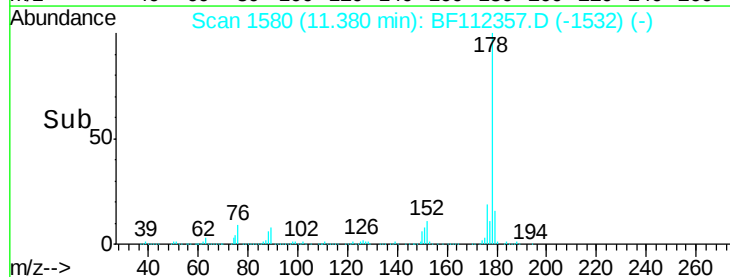
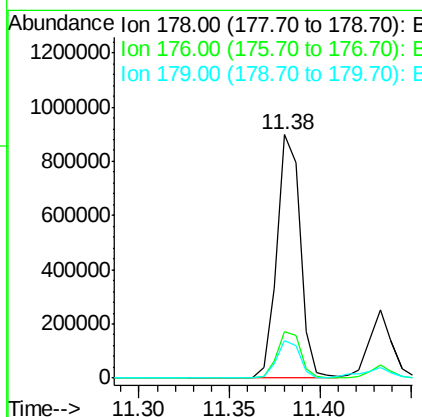
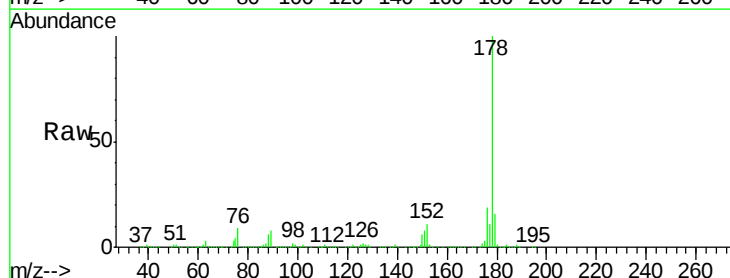
Instrument :
 BNA_F
 ClientSampleId :
 DUP-01-30-19

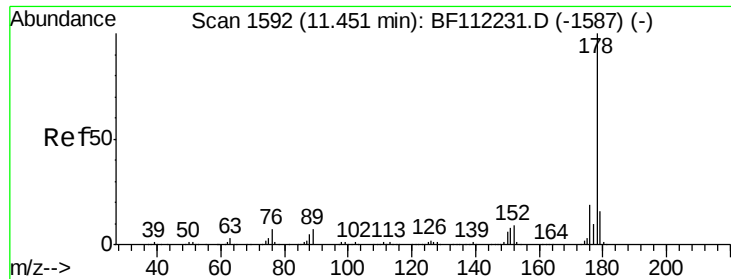
Tgt Ion: 248 Resp: 19998
 Ion Ratio Lower Upper
 248 100
 250 195.7 79.7 119.5#
 141 525.4 60.3 90.5#



#71
 Phenanthrene
 Concen: 34.024 ng
 RT: 11.38 min Scan# 1580
 Delta R.T. -0.02 min
 Lab File: BF112357.D
 Acq: 1 Feb 2019 17:51

Tgt Ion: 178 Resp: 805948
 Ion Ratio Lower Upper
 178 100
 176 18.9 16.3 24.5
 179 15.6 13.0 19.4





#72

Anthracene

Concen: 8.870 ng

RT: 11.43 min Scan# 1589

Delta R.T. -0.02 min

Lab File: BF112357.D

Acq: 1 Feb 2019 17:51

Instrument :

BNA_F

ClientSampleId :

DUP-01-30-19

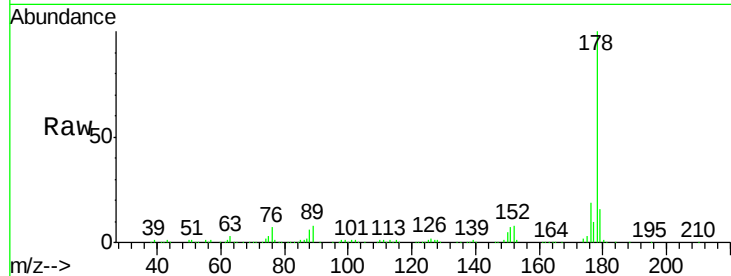
Tgt Ion:178 Resp: 209300

Ion Ratio Lower Upper

178 100

176 18.5 15.5 23.3

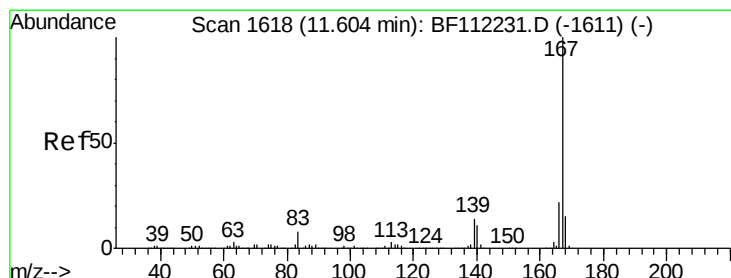
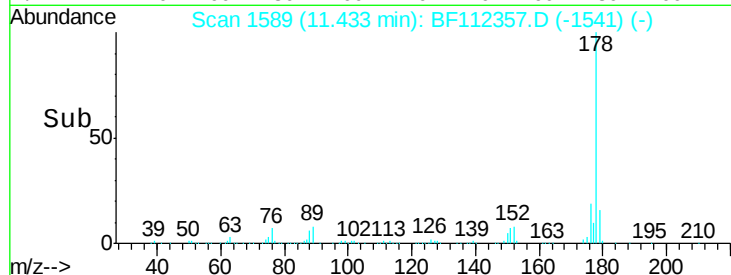
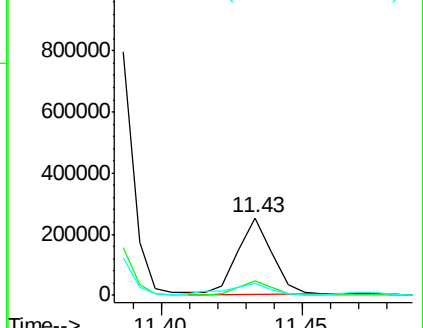
179 16.0 12.8 19.2



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



#73

Carbazole

Concen: 4.845 ng

RT: 11.59 min Scan# 1616

Delta R.T. -0.01 min

Lab File: BF112357.D

Acq: 1 Feb 2019 17:51

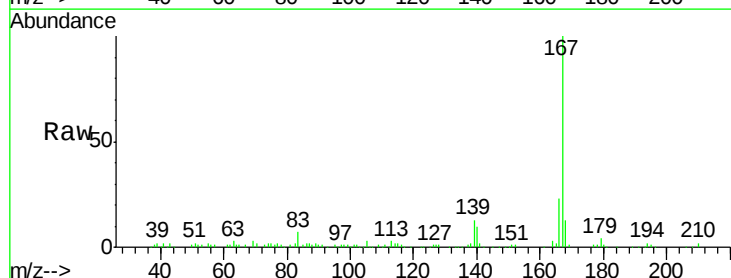
Tgt Ion:167 Resp: 112779

Ion Ratio Lower Upper

167 100

166 22.6 17.9 26.9

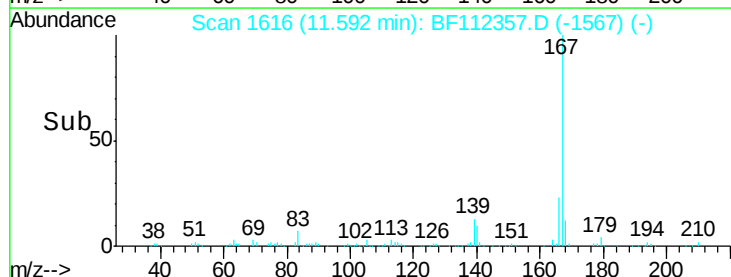
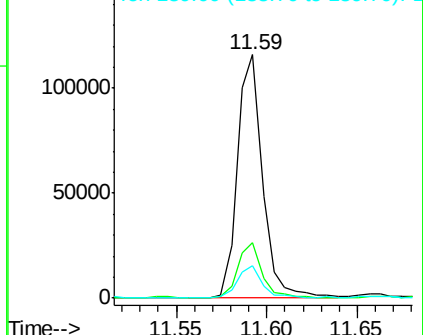
139 13.3 10.2 15.2

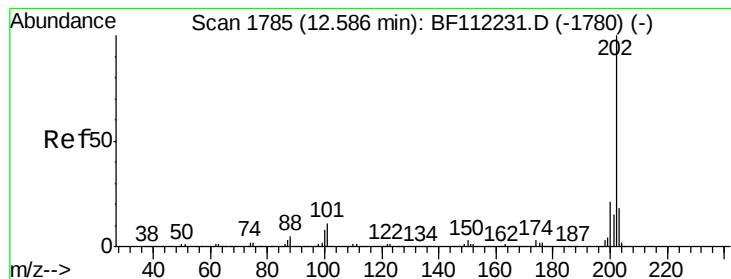


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#75

Fluoranthene

Concen: 41.692 ng

RT: 12.57 min Scan# 1783

Delta R.T. -0.01 min

Lab File: BF112357.D

Acq: 1 Feb 2019 17:51

Instrument :

BNA_F

ClientSampleId :

DUP-01-30-19

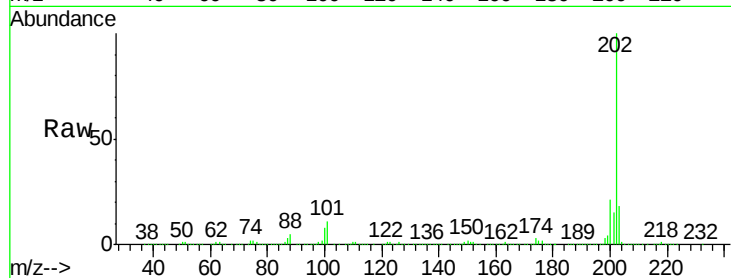
Tgt Ion:202 Resp: 1059247

Ion Ratio Lower Upper

202 100

101 11.2 0.0 31.8

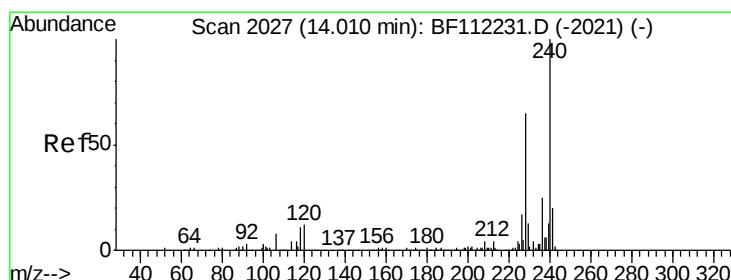
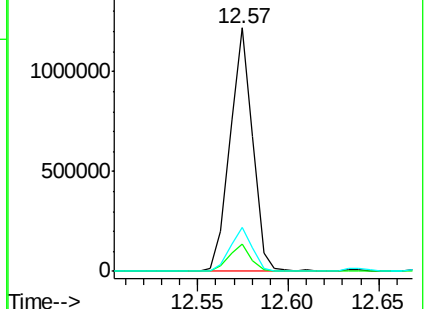
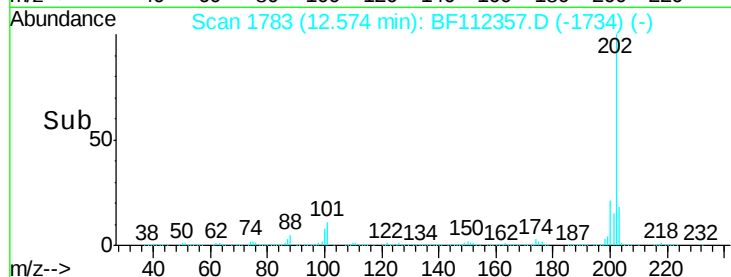
203 17.9 0.0 38.4



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: 14.00 min Scan# 2026

Delta R.T. -0.01 min

Lab File: BF112357.D

Acq: 1 Feb 2019 17:51

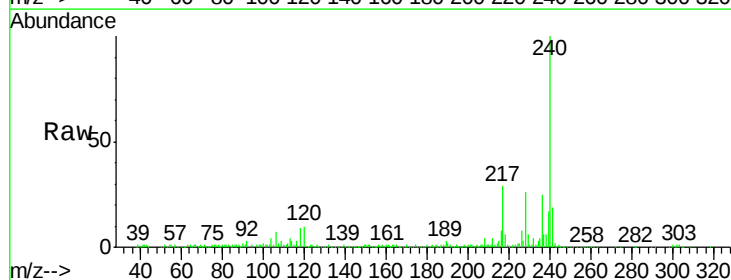
Tgt Ion:240 Resp: 318696

Ion Ratio Lower Upper

240 100

120 9.9 9.0 13.6

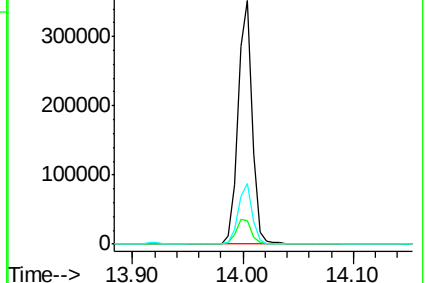
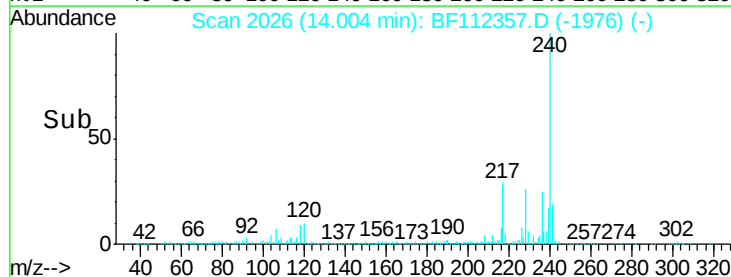
236 25.0 20.7 31.1

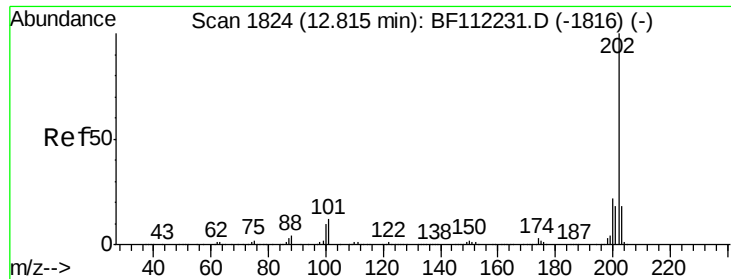


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

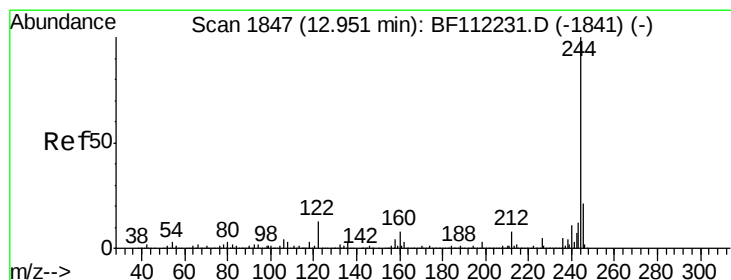
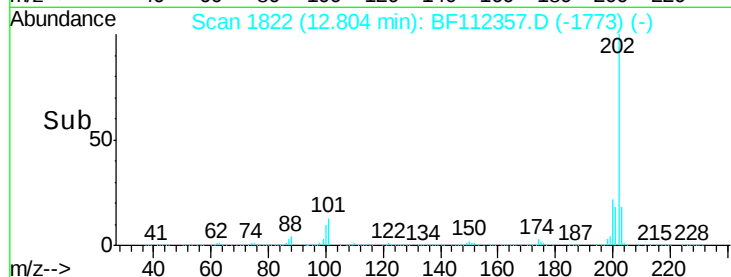
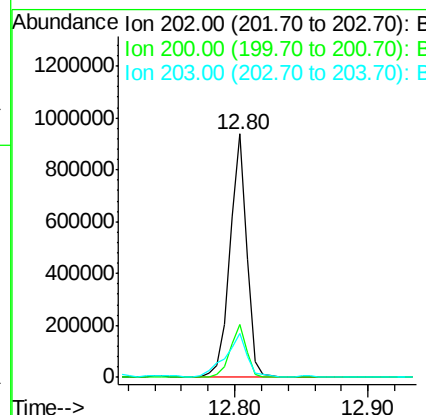
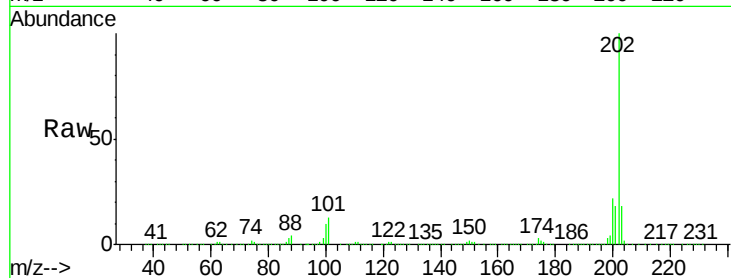




#78
 Pyrene
 Concen: 37.851 ng
 RT: 12.80 min Scan# 1822
 Delta R.T. -0.01 min
 Lab File: BF112357.D
 Acq: 1 Feb 2019 17:51

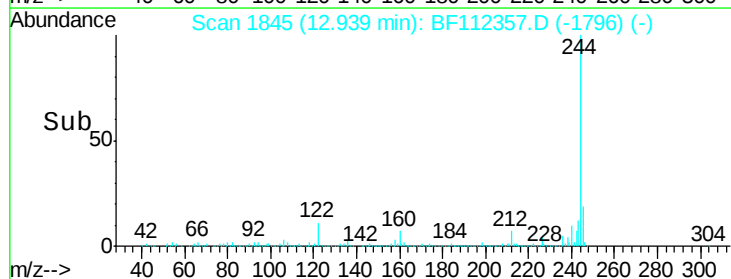
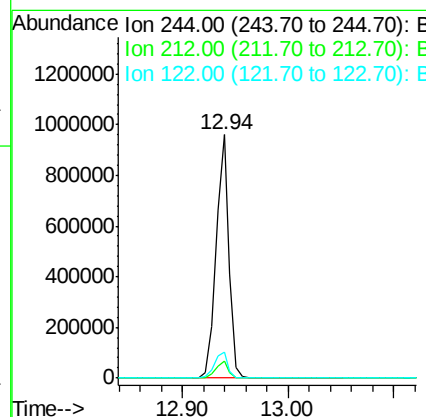
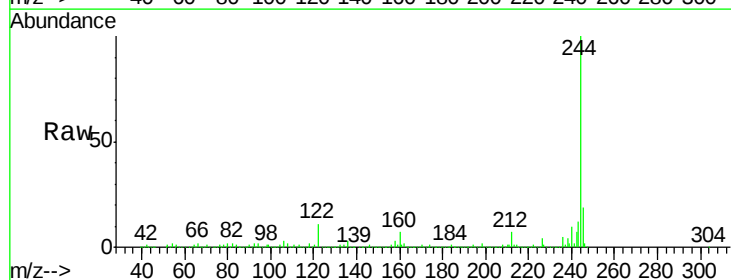
Instrument :
 BNA_F
 ClientSampleId :
 DUP-01-30-19

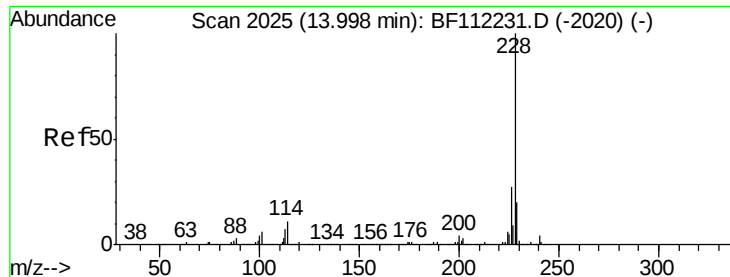
Tgt Ion: 202 Resp: 835161
 Ion Ratio Lower Upper
 202 100
 200 21.7 17.7 26.5
 203 18.2 14.6 22.0



#79
 Terphenyl-d14
 Concen: 48.573 ng
 RT: 12.94 min Scan# 1845
 Delta R.T. -0.01 min
 Lab File: BF112357.D
 Acq: 1 Feb 2019 17:51

Tgt Ion: 244 Resp: 821898
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.9 8.9
 122 10.7 9.8 14.6

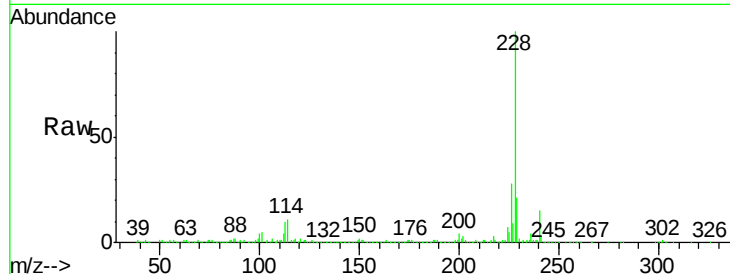




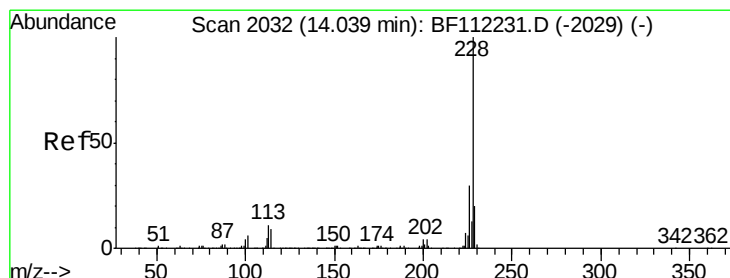
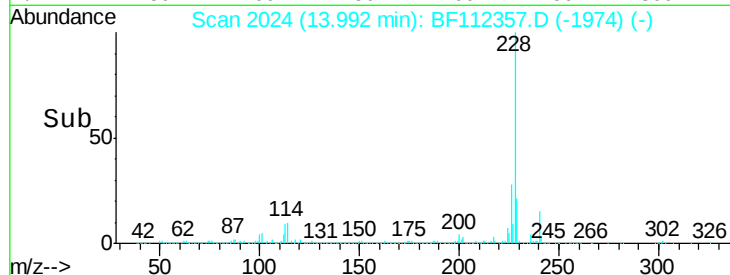
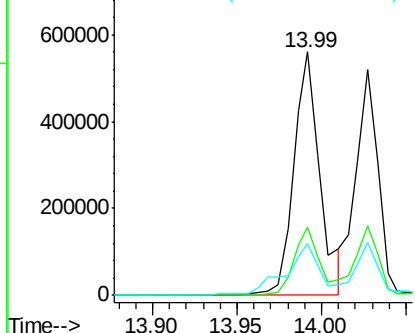
#81
Benzo(a)anthracene
Concen: 32.050 ng
RT: 13.99 min Scan# 2024
Delta R.T. -0.01 min
Lab File: BF112357.D
Acq: 1 Feb 2019 17:51

Instrument :
BNA_F
ClientSampleId :
DUP-01-30-19

Tgt Ion:228 Resp: 600444
Ion Ratio Lower Upper
228 100
226 27.9 22.6 34.0
229 21.2 16.5 24.7

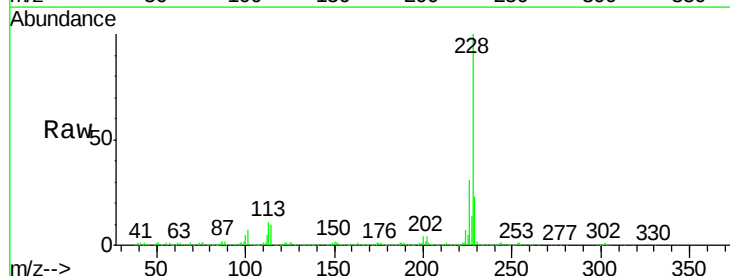


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

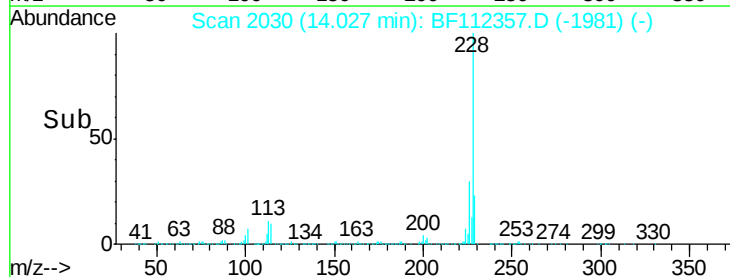
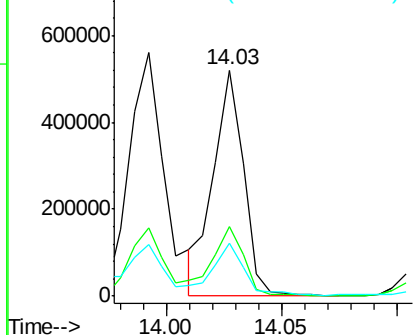


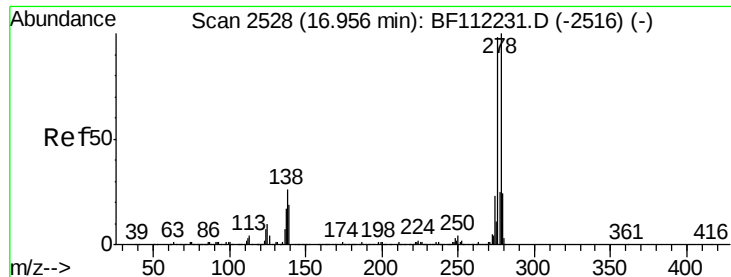
#83
Chrysene
Concen: 26.431 ng
RT: 14.03 min Scan# 2030
Delta R.T. -0.01 min
Lab File: BF112357.D
Acq: 1 Feb 2019 17:51

Tgt Ion:228 Resp: 472673
Ion Ratio Lower Upper
228 100
226 30.6 25.0 37.6
229 23.1 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

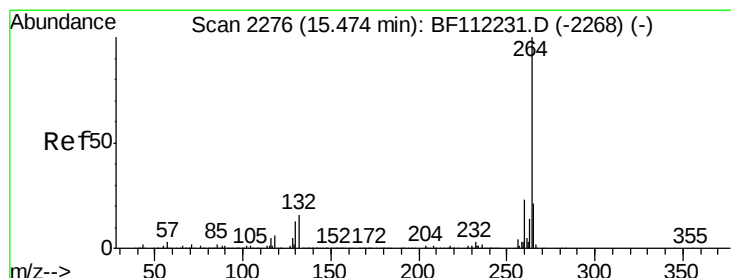
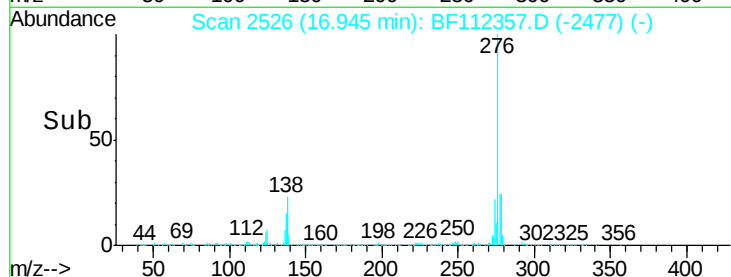
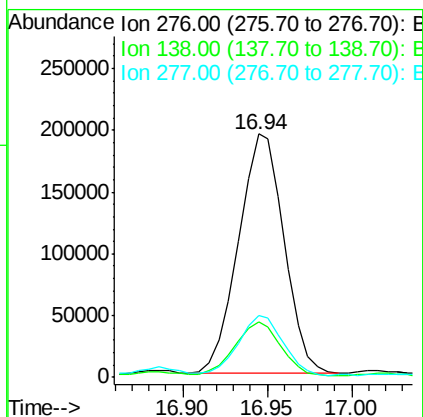
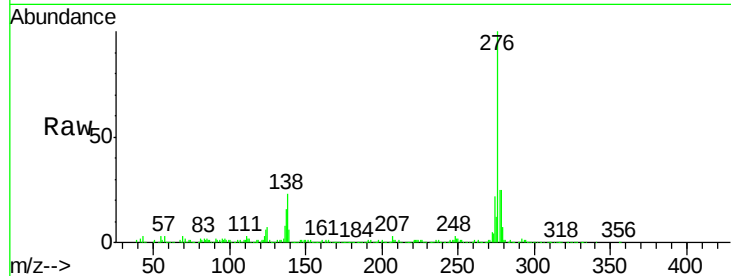




#86
 Indeno(1,2,3-cd)pyrene
 Concen: 25.502 ng
 RT: 16.94 min Scan# 2526
 Delta R.T. -0.01 min
 Lab File: BF112357.D
 Acq: 1 Feb 2019 17:51

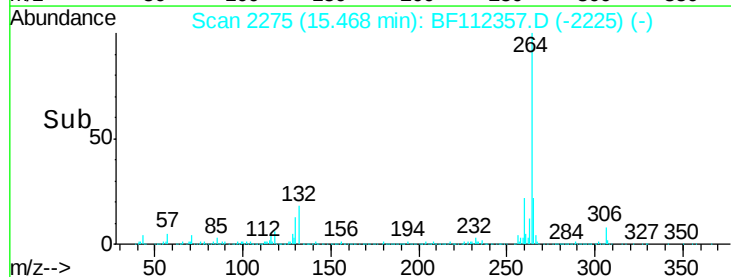
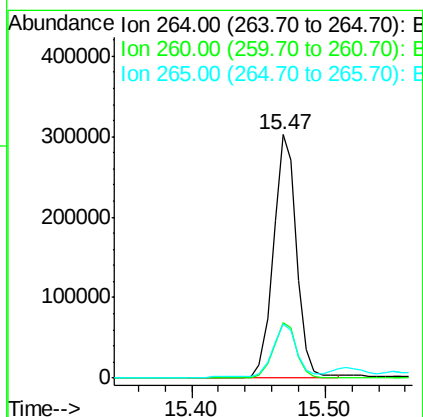
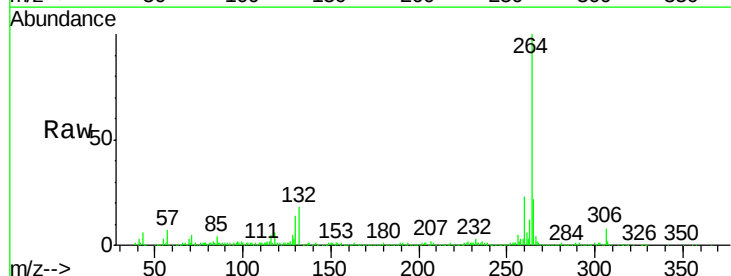
Instrument :
 BNA_F
 ClientSampleId :
 DUP-01-30-19

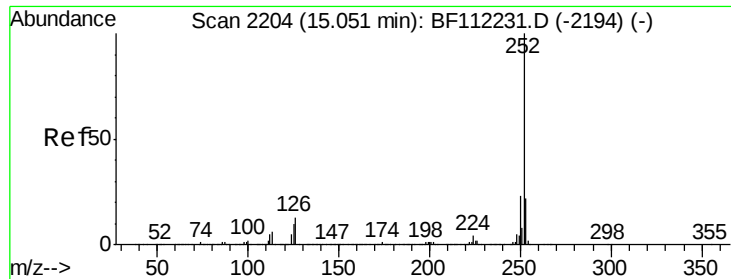
Tgt Ion: 276 Resp: 361372
 Ion Ratio Lower Upper
 276 100
 138 22.4 22.6 34.0#
 277 24.4 20.3 30.5



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.47 min Scan# 2275
 Delta R.T. -0.01 min
 Lab File: BF112357.D
 Acq: 1 Feb 2019 17:51

Tgt Ion: 264 Resp: 368974
 Ion Ratio Lower Upper
 264 100
 260 22.6 18.2 27.2
 265 22.4 17.0 25.4

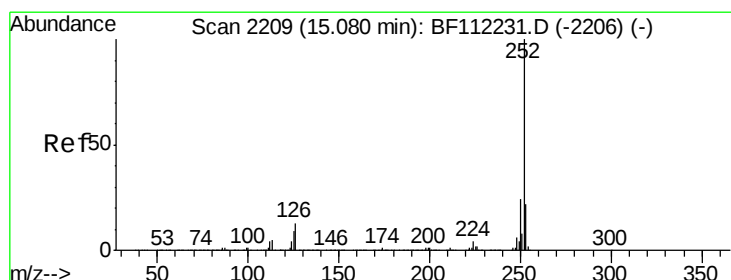
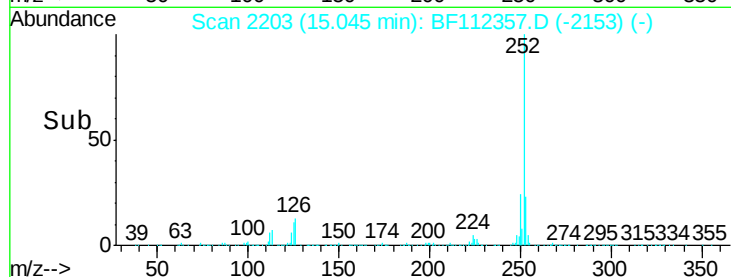
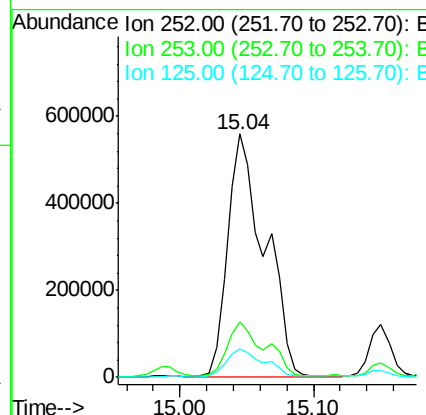
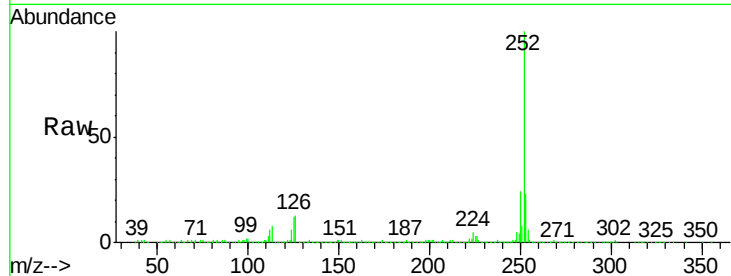




#88
Benzo(b)fluoranthene
Concen: 48.886 ng
RT: 15.04 min Scan# 2203
Delta R.T. -0.01 min
Lab File: BF112357.D
Acq: 1 Feb 2019 17:51

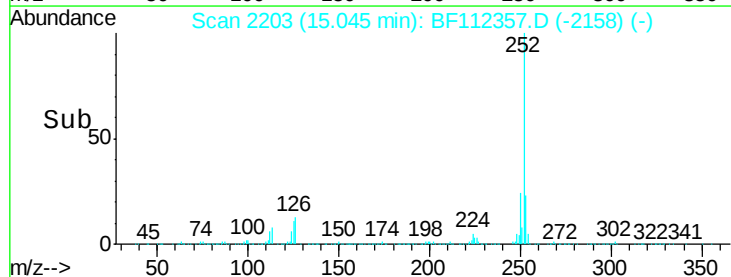
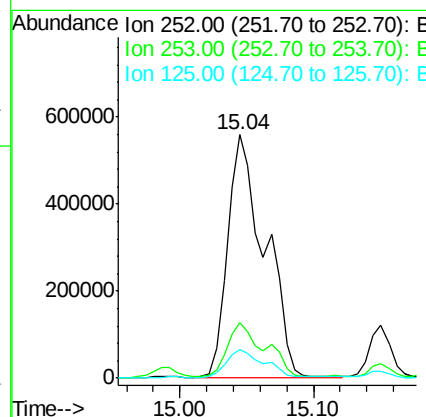
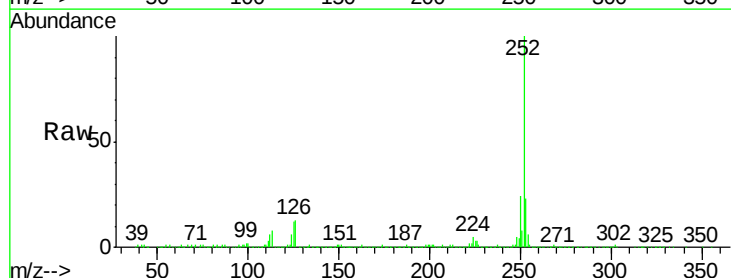
Instrument :
BNA_F
ClientSampleId :
DUP-01-30-19

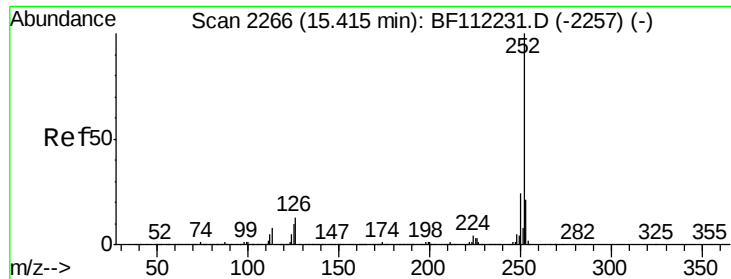
Tgt Ion:252 Resp: 1078748
Ion Ratio Lower Upper
252 100
253 23.0 18.0 27.0
125 11.5 8.7 13.1



#89
Benzo(k)fluoranthene
Concen: 51.037 ng
RT: 15.04 min Scan# 2203
Delta R.T. -0.04 min
Lab File: BF112357.D
Acq: 1 Feb 2019 17:51

Tgt Ion:252 Resp: 1078748
Ion Ratio Lower Upper
252 100
253 23.0 18.0 27.0
125 11.5 9.1 13.7





#90

Benzo(a)pyrene

Concen: 30.723 ng

RT: 15.41 min Scan# 2265

Delta R.T. -0.01 min

Lab File: BF112357.D

Acq: 1 Feb 2019 17:51

Instrument :

BNA_F

ClientSampleId :

DUP-01-30-19

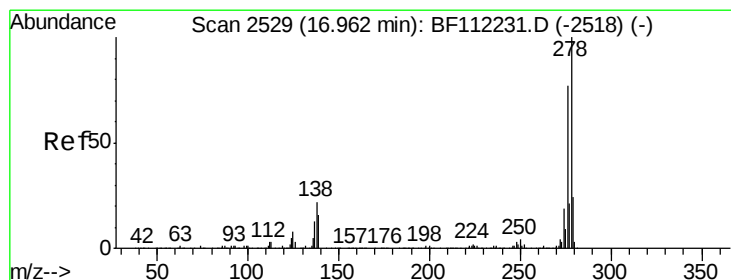
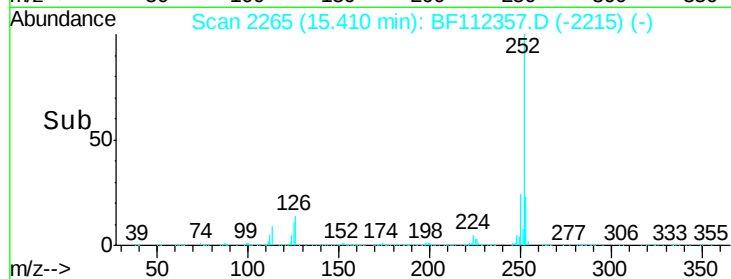
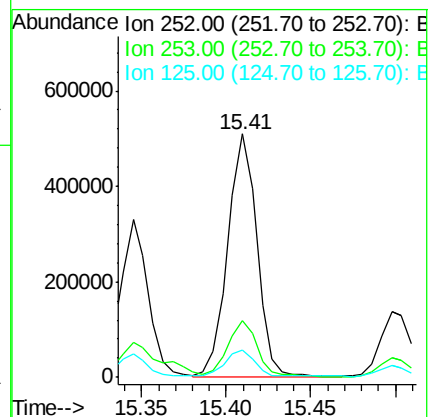
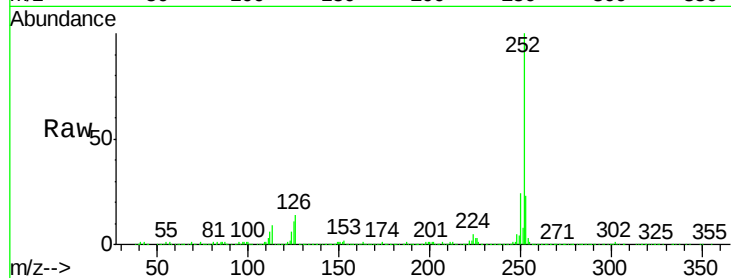
Tgt Ion:252 Resp: 610013

Ion Ratio Lower Upper

252 100

253 23.4 17.5 26.3

125 11.2 9.0 13.4



#91

Dibenzo(a,h)anthracene

Concen: 5.282 ng

RT: 17.12 min Scan# 2555

Delta R.T. 0.15 min

Lab File: BF112357.D

Acq: 1 Feb 2019 17:51

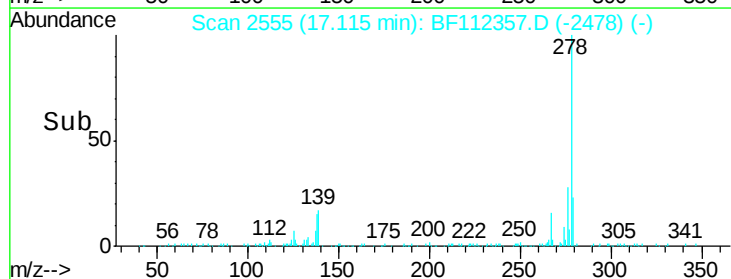
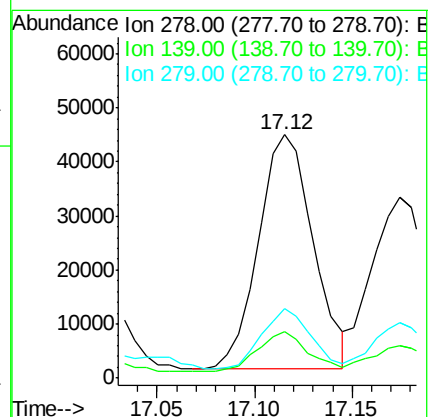
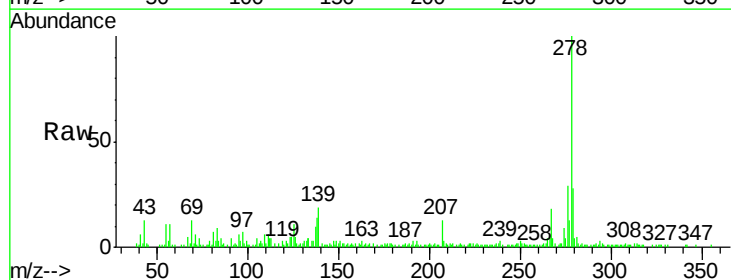
Tgt Ion:278 Resp: 84517

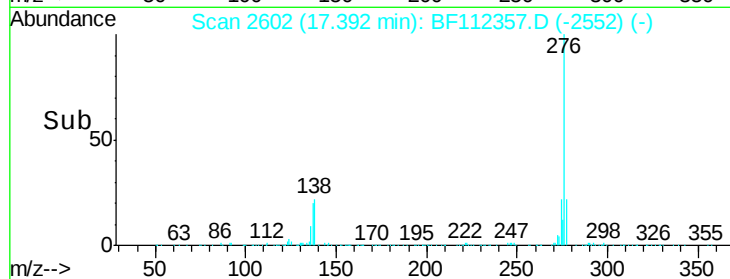
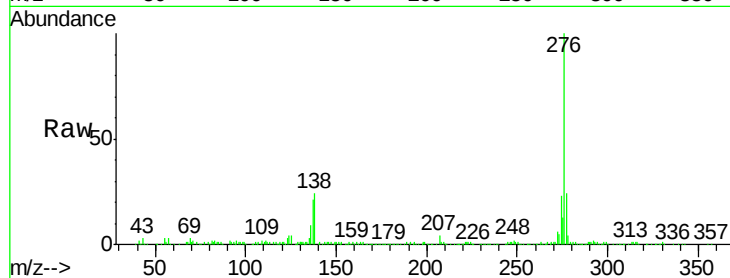
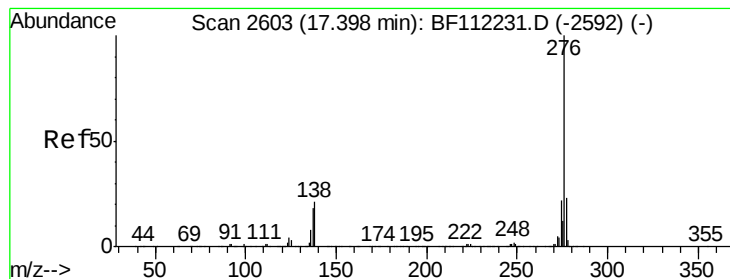
Ion Ratio Lower Upper

278 100

139 19.3 13.7 20.5

279 28.4 19.0 28.6





#92

Benzo(g,h,i)perylene

Concen: 20.636 ng

RT: 17.39 min Scan# 2602

Delta R.T. -0.01 min

Lab File: BF112357.D

Acq: 1 Feb 2019 17:51

Instrument :

BNA_F

ClientSampleId :

DUP-01-30-19

Tgt Ion:276 Resp: 311553

Ion Ratio Lower Upper

276 100

277 23.7 19.4 29.0

138 24.0 19.1 28.7

