

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF082118\
 Data File : BF108347.D
 Acq On : 21 Aug 2018 19:47
 Operator : JU/SJ
 Sample : J4521-22DL 2X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 72-11979DL

Quant Time: Aug 21 23:18:42 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 21 15:20:21 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.00	152	190507	20.00	ng	-0.01
21) Naphthalene-d8	8.29	136	721364	20.00	ng	-0.01
38) Acenaphthene-d10	10.05	164	342288	20.00	ng	-0.02
63) Phenanthrene-d10	11.54	188	574847	20.00	ng	-0.02
75) Chrysene-d12	14.20	240	376297	20.00	ng	-0.02
86) Perylene-d12	15.76	264	386512	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	449235	42.69	ng	0.00
7) Phenol-d6	6.62	99	608459	43.51	ng	-0.01
23) Nitrobenzene-d5	7.56	82	403648	31.22	ng	-0.02
41) 2,4,6-Tribromophenol	10.84	330	140557	41.17	ng	-0.02
44) 2-Fluorobiphenyl	9.36	172	721206	33.83	ng	-0.02
78) Terphenyl-d14	13.12	244	532229	35.96	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.56	70	53455	5.653	ng	# 81
25) Isophorone	7.56	82	401449	16.293	ng	# 64
32) Benzoic acid	8.29	122	143	5.994	ng	# 1
49) Dimethylphthalate	9.75	163	55808	2.341	ng	99
50) 2,6-Dinitrotoluene	10.05	165	44733	8.967	ng	# 25
51) Acenaphthene	10.08	154	42929	2.223	ng	97
56) 2,4-Dinitrotoluene	10.05	165	44733	6.967	ng	# 23
57) Fluorene	10.59	166	70396	3.178	ng	97
64) 4,6-Dinitro-2-methylphenol	10.84	198	333	5.496	ng	# 1
70) Phenanthrene	11.57	178	755824	27.876	ng	99
71) Anthracene	11.62	178	298140	10.729	ng	99
74) Fluoranthene	12.77	202	1335421	45.129	ng	94
77) Pyrene	13.00	202	1211959	50.872	ng	99
80) Benzo(a)anthracene	14.19	228	645197	29.876	ng	98
82) Chrysene	14.22	228	486343	24.564	ng	98
85) Indeno(1,2,3-cd)pyrene	17.37	276	257550	15.013	ng	# 87
87) Benzo(b)fluoranthene	15.29	252	904558	39.166	ng	96
88) Benzo(k)fluoranthene	15.40	252	113240	5.334	ng	94
89) Benzo(a)pyrene	15.62	252	313969	15.181	ng	96
90) Dibenzo(a,h)anthracene	17.37	278	69807	4.079	ng	94
91) Benzo(g,h,i)perylene	17.86	276	226275	13.429	ng	# 91

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

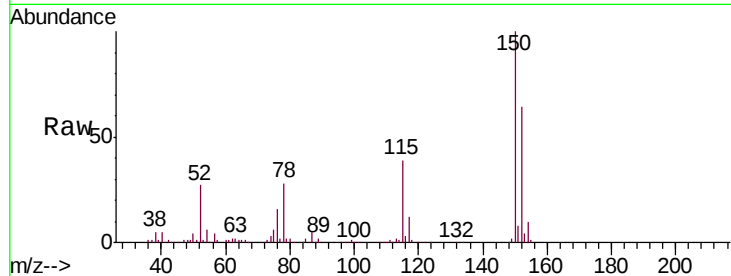


#1

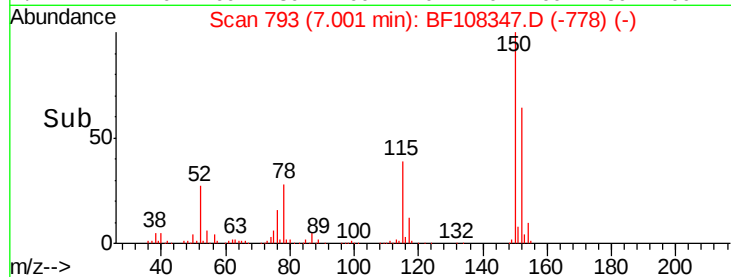
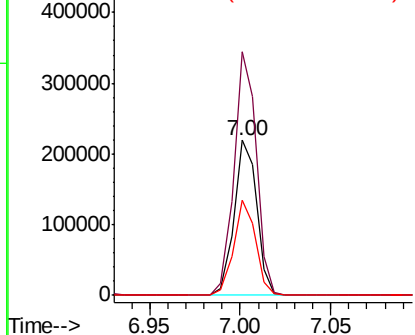
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.00 min Scan# 793
Delta R.T. -0.01 min
Lab File: BF108347.D
Acq: 21 Aug 2018 19:47

Instrument :
BNA_F
ClientSampleId :
72-11979DL

Tgt Ion	Ratio	Lower	Upper
152	100		
150	157.3	124.6	186.8
115	61.2	50.1	75.1



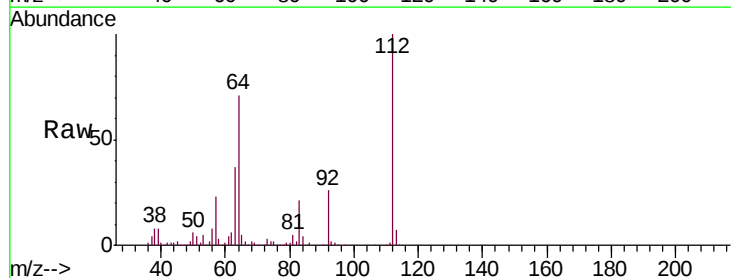
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



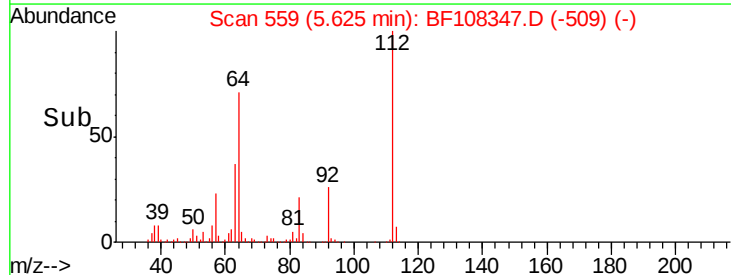
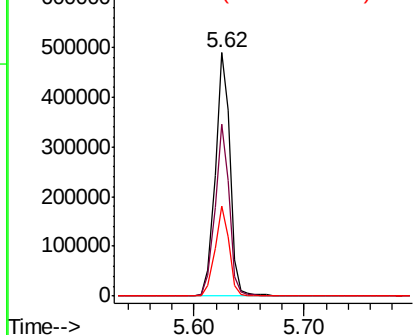
#5

2-Fluorophenol
Concen: 42.692 ng
RT: 5.62 min Scan# 559
Delta R.T. -0.01 min
Lab File: BF108347.D
Acq: 21 Aug 2018 19:47

Tgt Ion	Ratio	Lower	Upper
112	100		
64	70.8	47.9	71.9
63	37.2	23.7	35.5



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: 43.514 ng

RT: 6.62 min Scan# 728

Delta R.T. -0.01 min

Lab File: BF108347.D

Acq: 21 Aug 2018 19:47

Instrument :

BNA_F

ClientSampleId :

72-11979DL

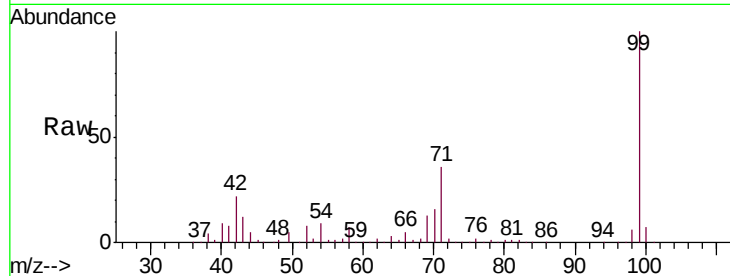
Tgt Ion: 99 Resp: 608459

Ion Ratio Lower Upper

99 100

42 22.0 14.5 21.7#

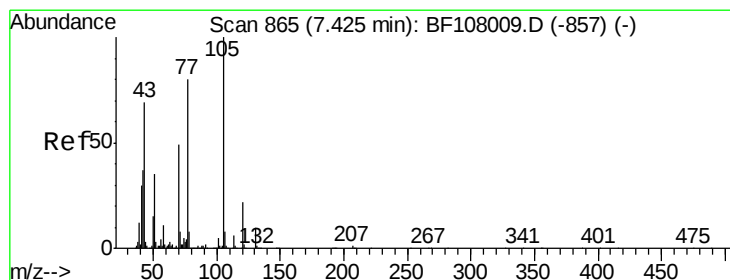
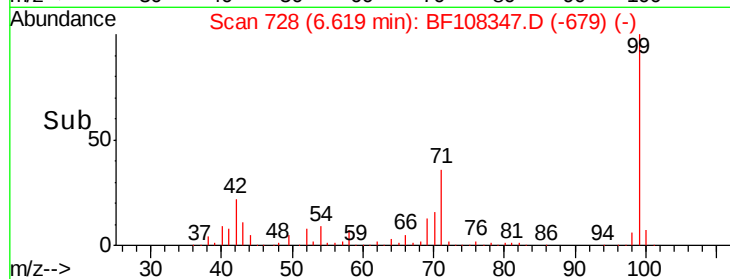
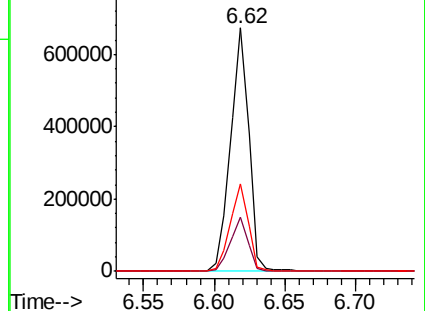
71 36.0 25.4 38.0



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: 5.653 ng

RT: 7.56 min Scan# 888

Delta R.T. 0.14 min

Lab File: BF108347.D

Acq: 21 Aug 2018 19:47

Tgt Ion: 70 Resp: 53455

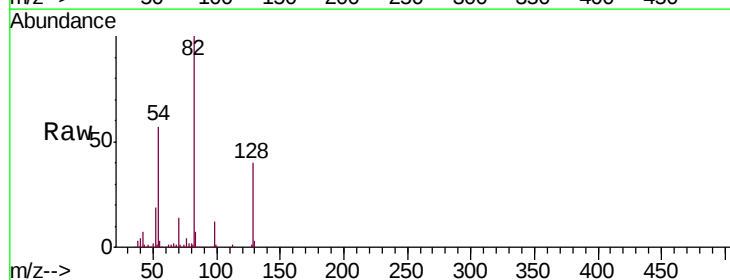
Ion Ratio Lower Upper

70 100

42 51.3 47.5 71.3

101 0.0 7.4 11.2#

130 1.7 16.6 25.0#

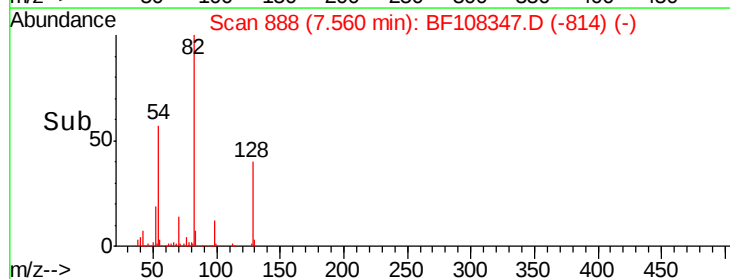
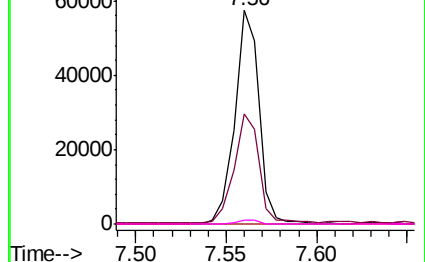


Abundance Ion 70.00 (69.70 to 70.70): BF1

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

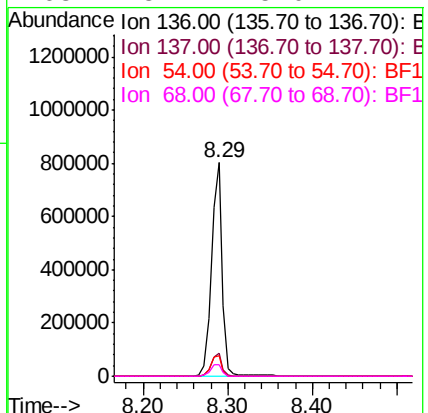
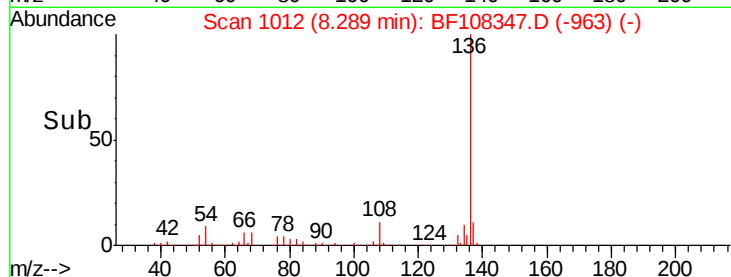
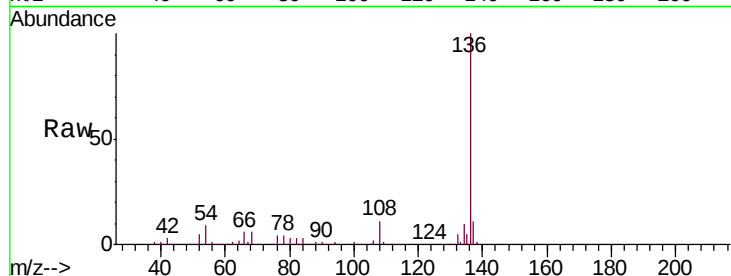




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.29 min Scan# 1012
Delta R.T. -0.01 min
Lab File: BF108347.D
Acq: 21 Aug 2018 19:47

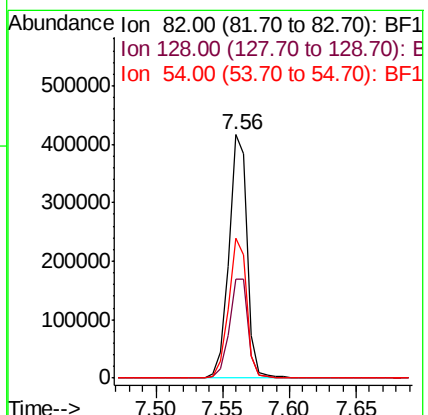
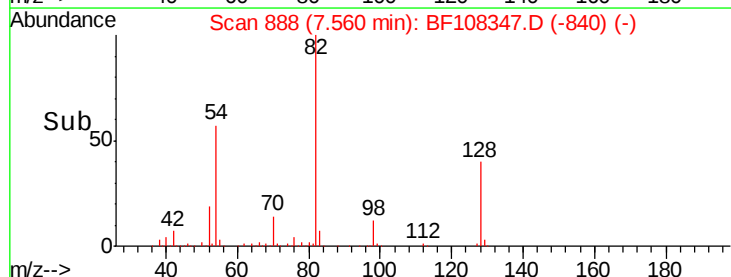
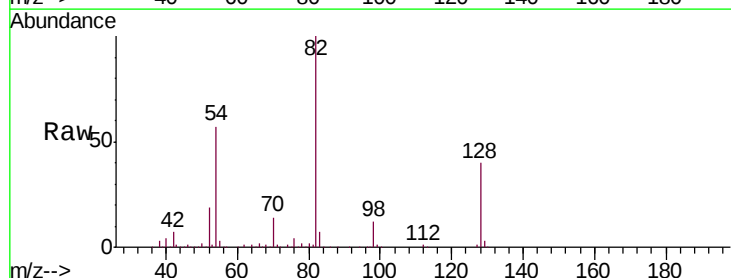
Instrument :
BNA_F
ClientSampleId :
72-11979DL

Tgt Ion:	136	Resp:	721364
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.9	13.3
54	9.5	6.6	9.8
68	5.7	5.0	7.4



#23
Nitrobenzene-d5
Concen: 31.224 ng
RT: 7.56 min Scan# 888
Delta R.T. -0.02 min
Lab File: BF108347.D
Acq: 21 Aug 2018 19:47

Tgt Ion:	82	Resp:	403648
Ion	Ratio	Lower	Upper
82	100		
128	40.4	36.1	54.1
54	57.4	41.4	62.2





#25

Isophorone

Concen: 16.293 ng

RT: 7.56 min Scan# 888

Delta R.T. -0.28 min

Lab File: BF108347.D

Acq: 21 Aug 2018 19:47

Instrument :

BNA_F

ClientSampleId :

72-11979DL

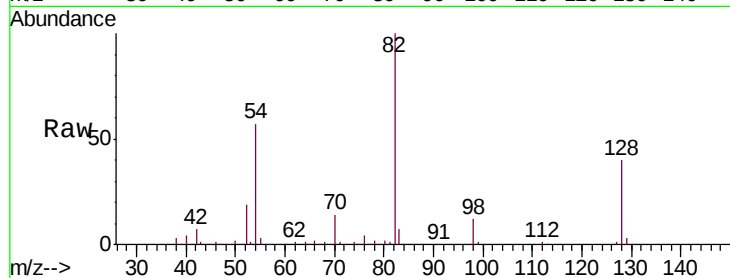
Tgt Ion: 82 Resp: 401449

Ion Ratio Lower Upper

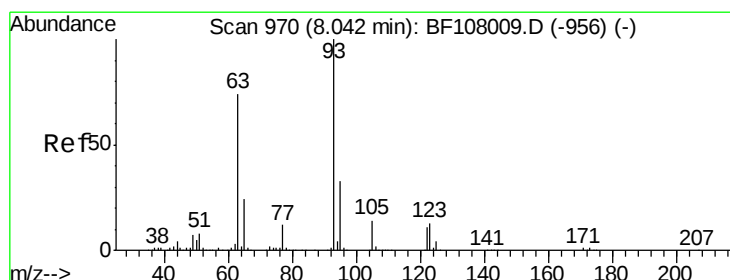
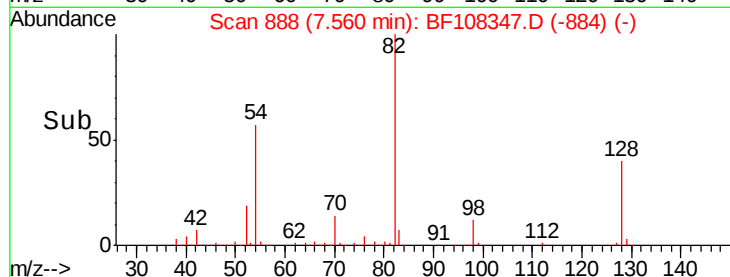
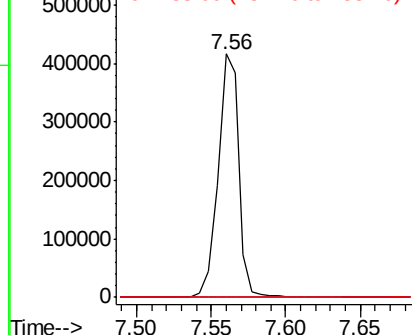
82 100

95 0.0 5.2 7.8#

138 0.0 14.9 22.3#



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: 5.994 ng

RT: 8.29 min Scan# 1012

Delta R.T. 0.25 min

Lab File: BF108347.D

Acq: 21 Aug 2018 19:47

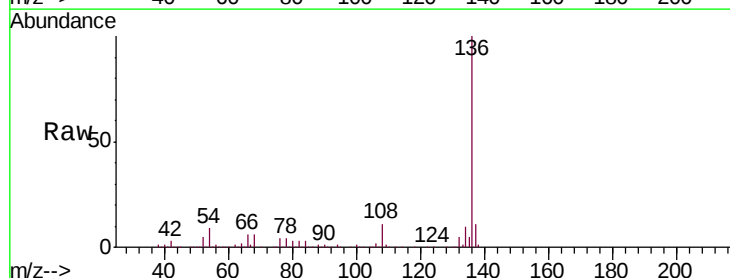
Tgt Ion: 122 Resp: 143

Ion Ratio Lower Upper

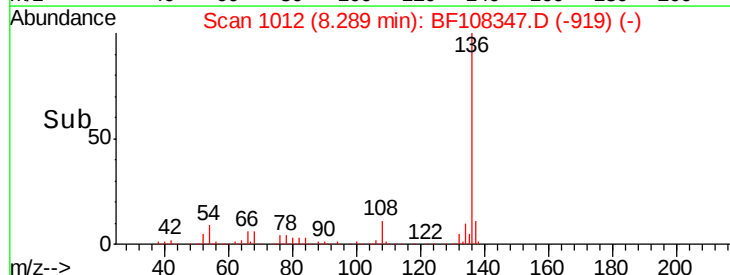
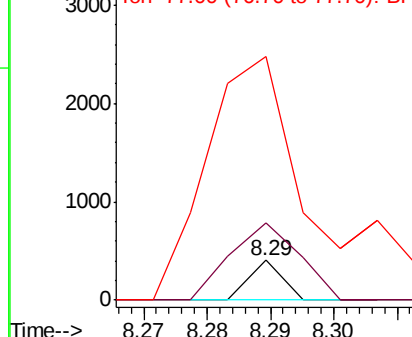
122 100

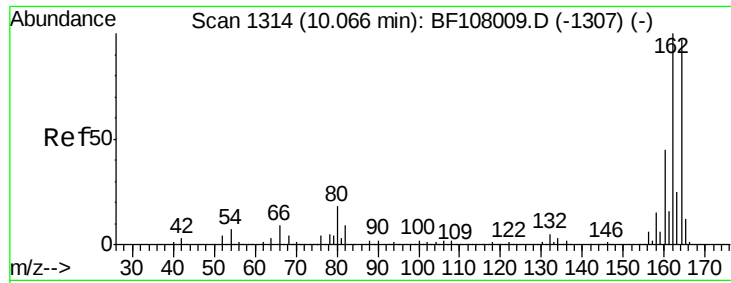
105 195.3 101.1 141.1#

77 611.4 70.7 110.7#



Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BF1





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.05 min Scan# 1311

Delta R.T. -0.02 min

Lab File: BF108347.D

Acq: 21 Aug 2018 19:47

Instrument :

BNA_F

ClientSampleId :

72-11979DL

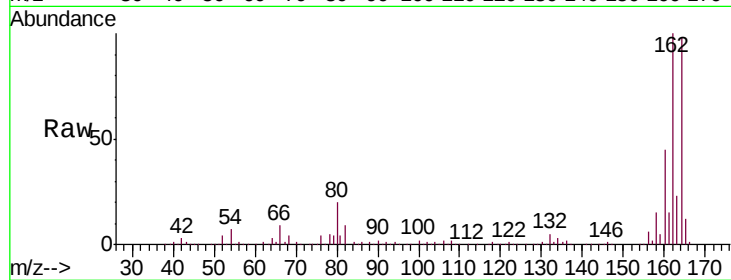
Tgt Ion:164 Resp: 342288

Ion Ratio Lower Upper

164 100

162 102.5 86.1 129.1

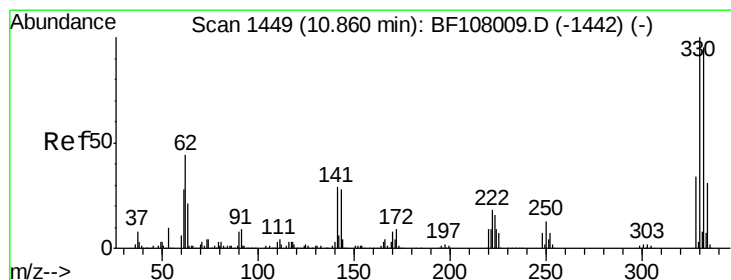
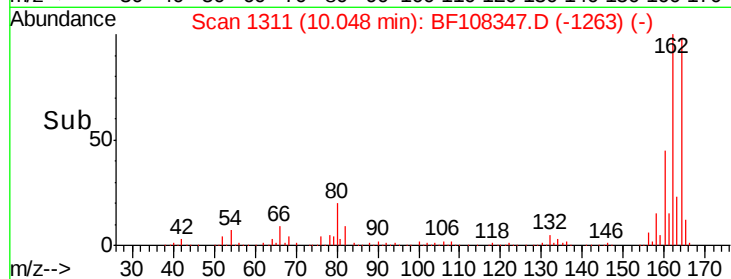
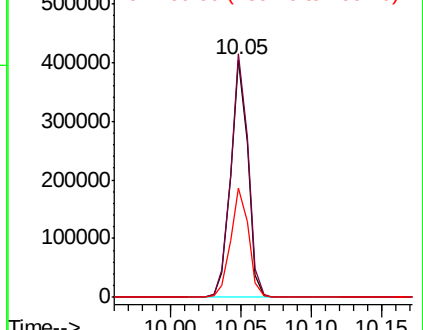
160 45.8 38.3 57.5



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



#41

2,4,6-Tribromophenol

Concen: 41.168 ng

RT: 10.84 min Scan# 1446

Delta R.T. -0.02 min

Lab File: BF108347.D

Acq: 21 Aug 2018 19:47

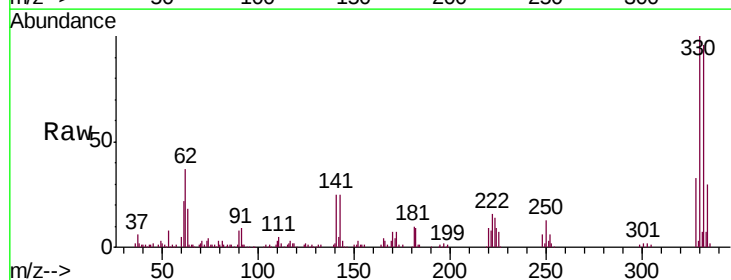
Tgt Ion:330 Resp: 140557

Ion Ratio Lower Upper

330 100

332 95.3 77.0 115.6

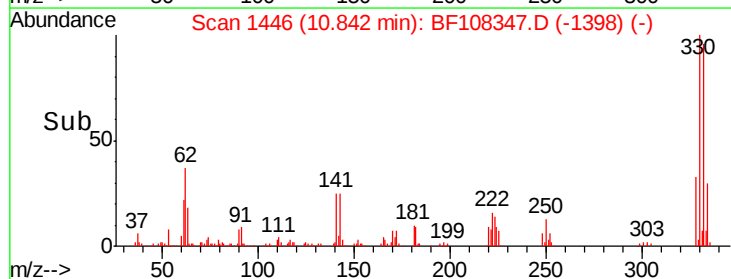
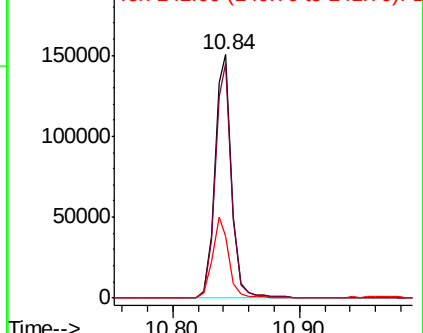
141 32.9 29.9 44.9

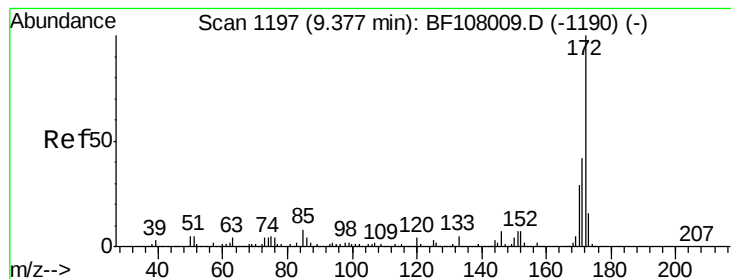


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#44

2-Fluorobiphenyl

Concen: 33.827 ng

RT: 9.36 min Scan# 1194

Delta R.T. -0.02 min

Lab File: BF108347.D

Acq: 21 Aug 2018 19:47

Instrument :

BNA_F

ClientSampleId :

72-11979DL

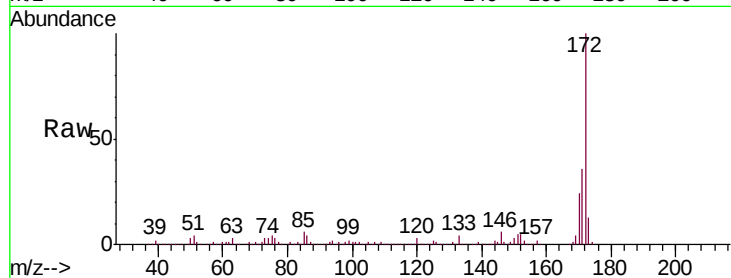
Tgt Ion:172 Resp: 721206

Ion Ratio Lower Upper

172 100

171 36.2 29.7 44.5

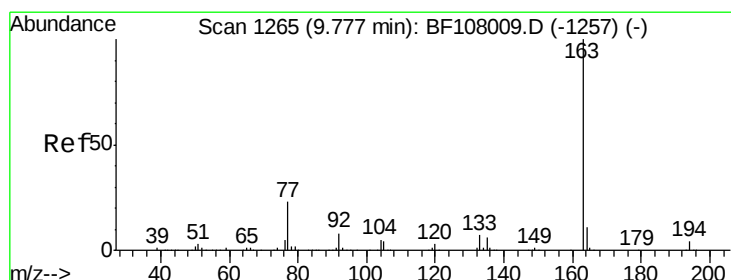
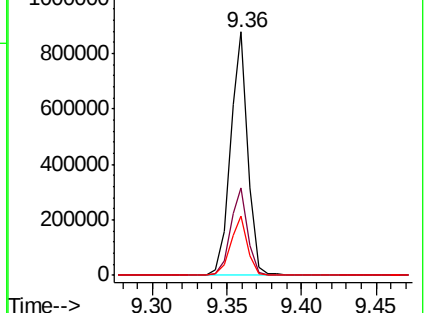
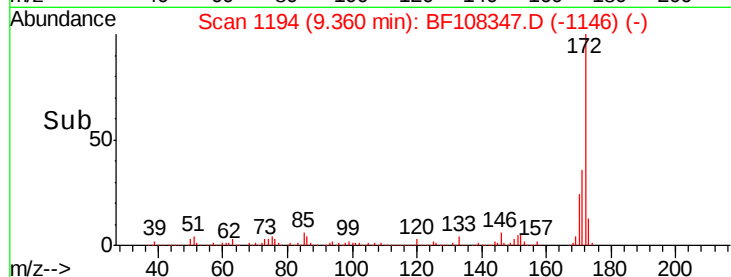
170 24.3 19.6 29.4



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



#49

Dimethylphthalate

Concen: 2.341 ng

RT: 9.75 min Scan# 1260

Delta R.T. -0.03 min

Lab File: BF108347.D

Acq: 21 Aug 2018 19:47

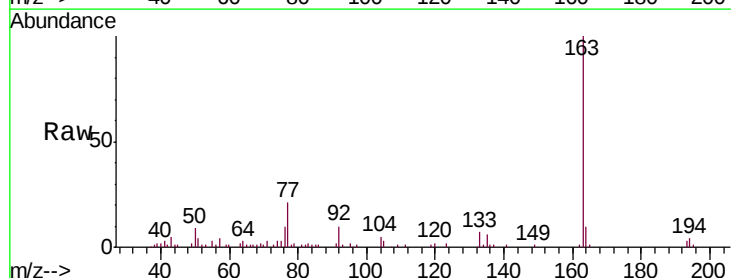
Tgt Ion:163 Resp: 55808

Ion Ratio Lower Upper

163 100

194 4.1 2.7 4.1

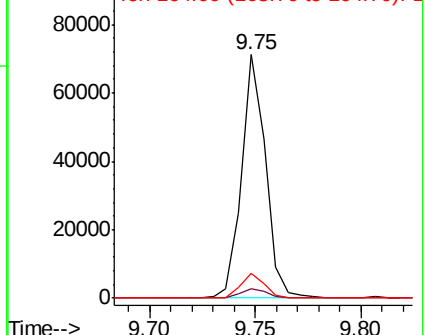
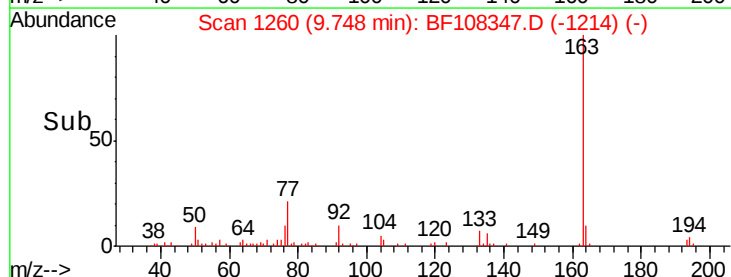
164 10.0 8.2 12.2

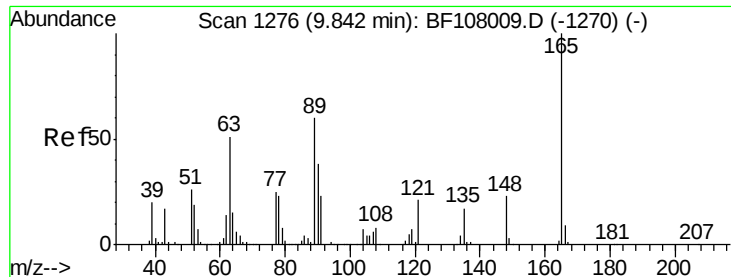


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

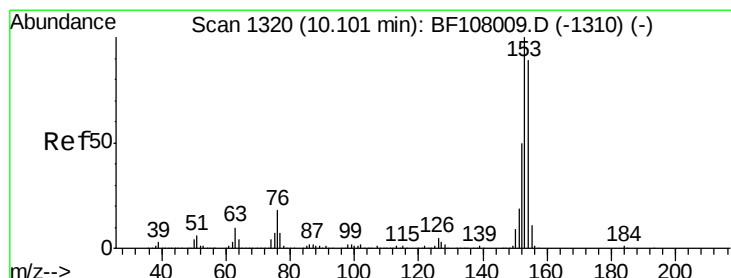
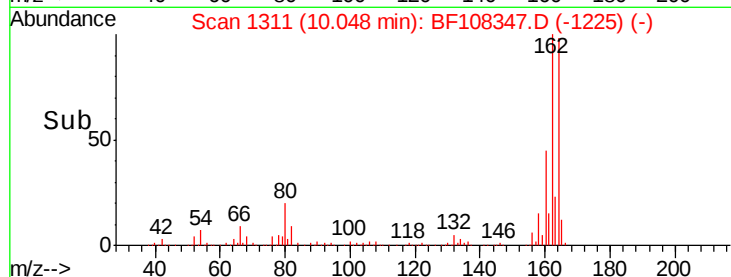
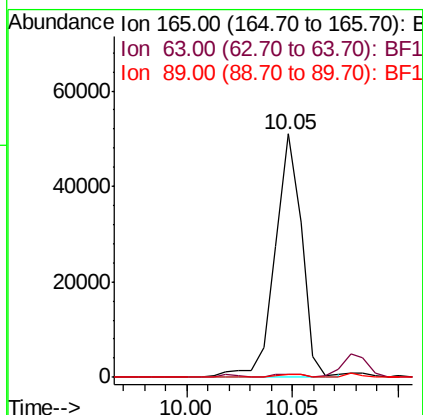
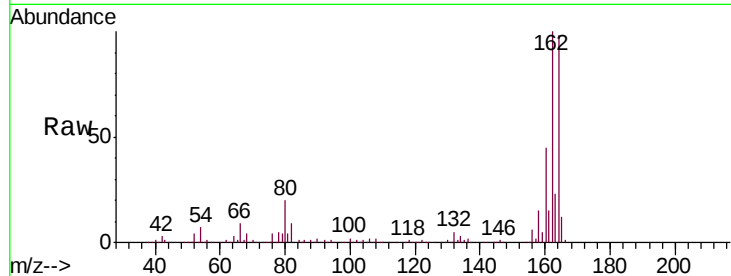




#50
 2,6-Dinitrotoluene
 Concen: 8.967 ng
 RT: 10.05 min Scan# 1311
 Delta R.T. 0.21 min
 Lab File: BF108347.D
 Acq: 21 Aug 2018 19:47

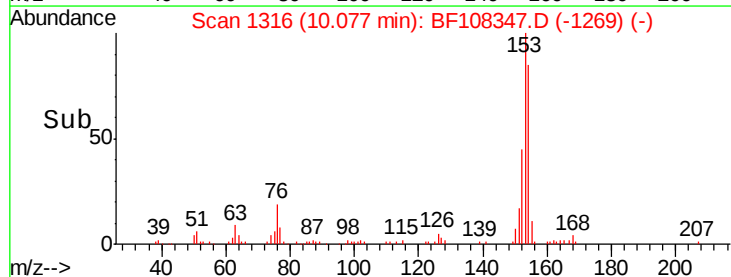
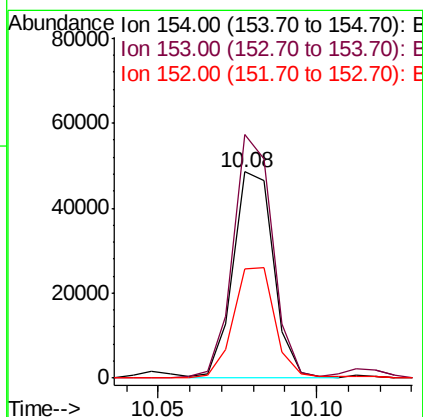
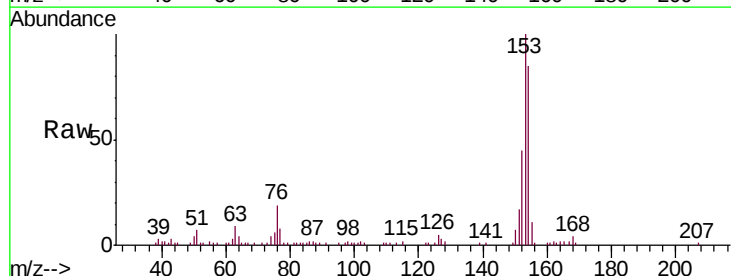
Instrument :
 BNA_F
 ClientSampleId :
 72-11979DL

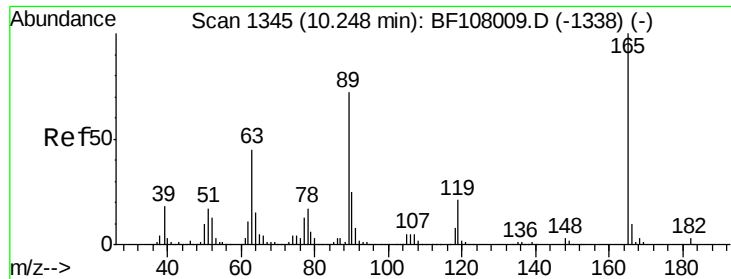
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.3	44.7	67.1#
89	1.2	44.0	66.0#



#51
 Acenaphthene
 Concen: 2.223 ng
 RT: 10.08 min Scan# 1316
 Delta R.T. -0.02 min
 Lab File: BF108347.D
 Acq: 21 Aug 2018 19:47

Tgt Ion	Ratio	Lower	Upper
154	100		
153	118.2	91.2	136.8
152	53.0	43.8	65.8

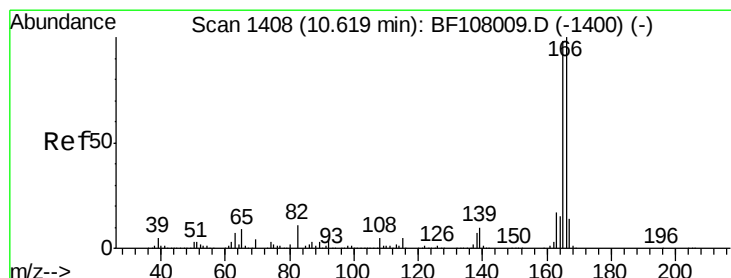
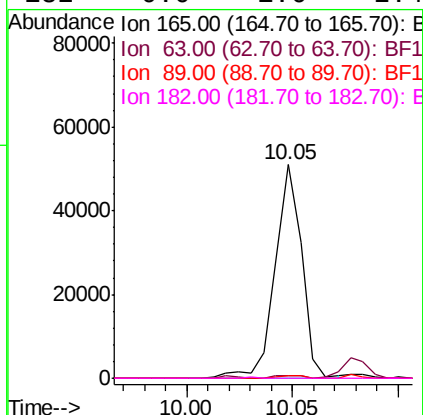
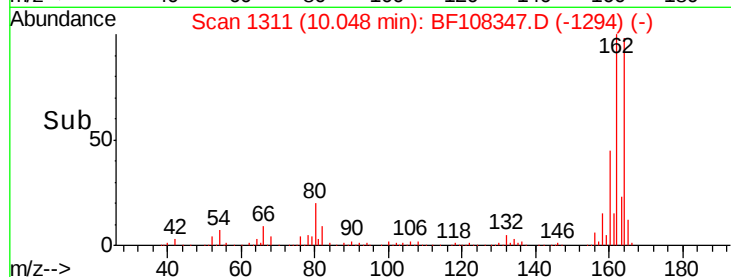
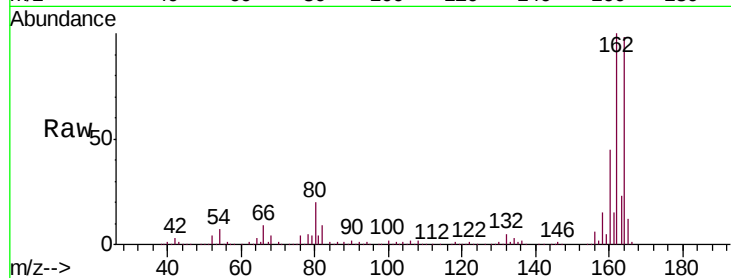




#56
2,4-Dinitrotoluene
Concen: 6.967 ng
RT: 10.05 min Scan# 1311
Delta R.T. -0.20 min
Lab File: BF108347.D
Acq: 21 Aug 2018 19:47

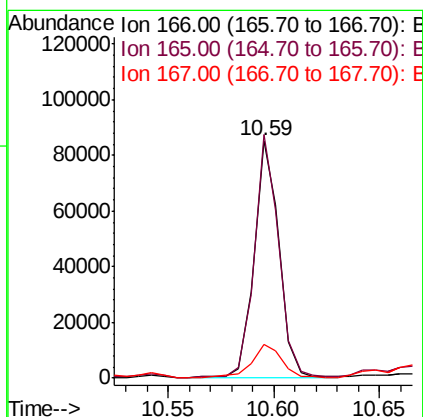
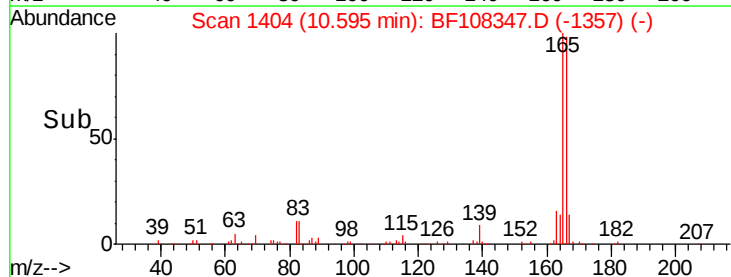
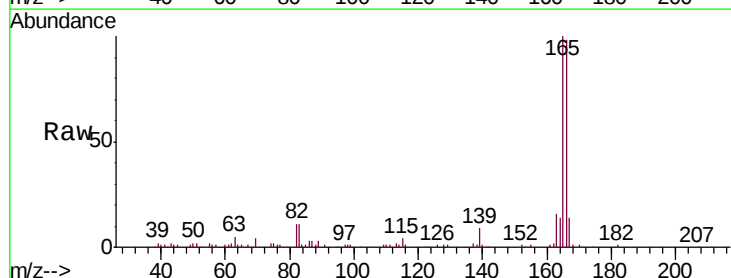
Instrument :
BNA_F
ClientSampleId :
72-11979DL

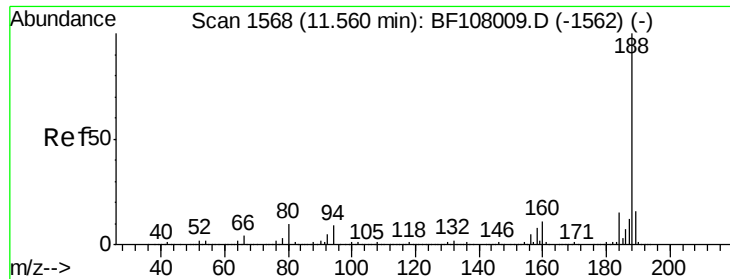
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.3	36.4	54.6#
89	1.2	57.8	86.6#
182	0.0	1.6	2.4#



#57
Fluorene
Concen: 3.178 ng
RT: 10.59 min Scan# 1404
Delta R.T. -0.02 min
Lab File: BF108347.D
Acq: 21 Aug 2018 19:47

Tgt Ion	Ratio	Lower	Upper
166	100		
165	102.5	79.8	119.8
167	14.3	10.6	16.0

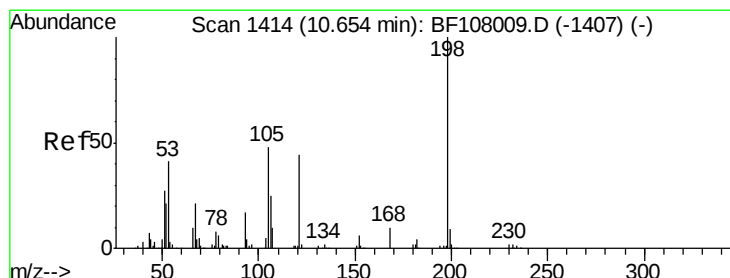
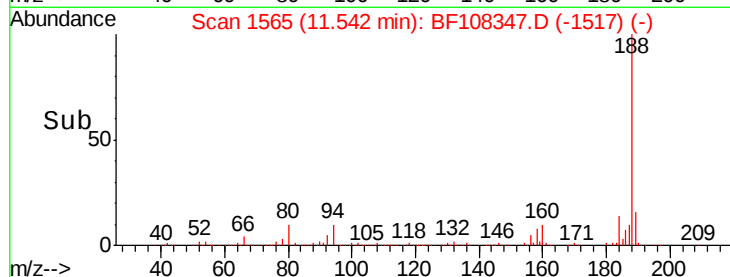
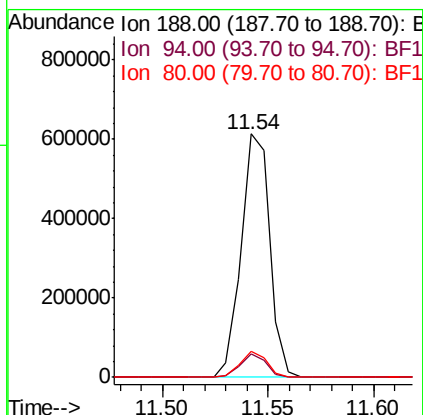
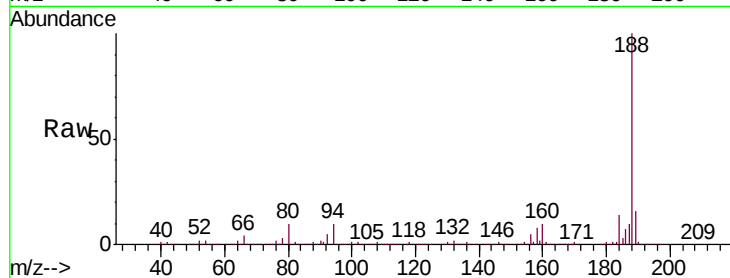




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.54 min Scan# 1565
 Delta R.T. -0.02 min
 Lab File: BF108347.D
 Acq: 21 Aug 2018 19:47

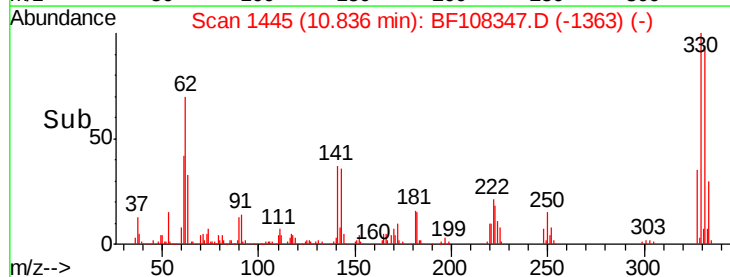
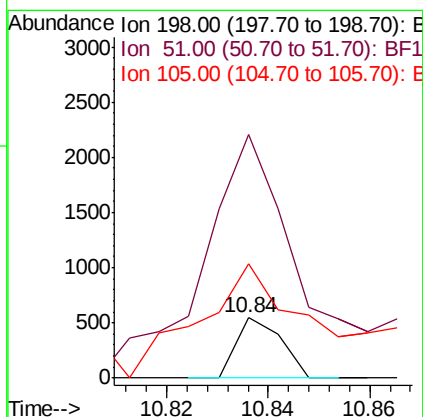
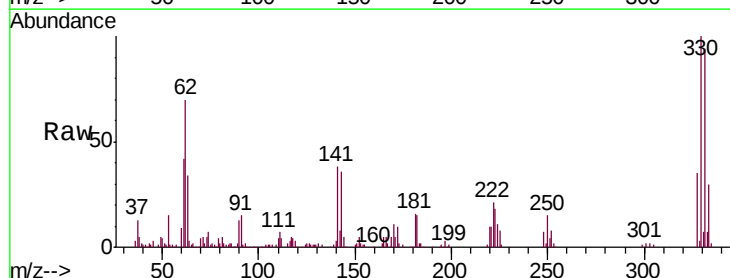
Instrument :
 BNA_F
 ClientSampleId :
 72-11979DL

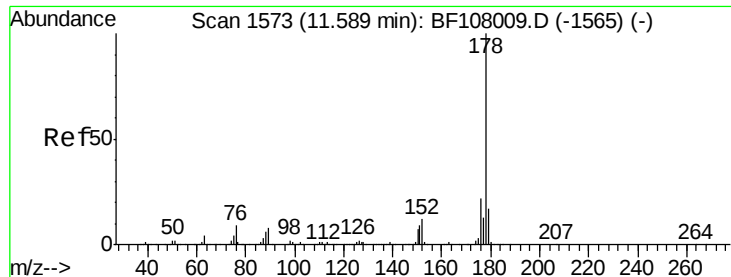
Tgt Ion:188 Resp: 574847
 Ion Ratio Lower Upper
 188 100
 94 9.6 8.5 12.7
 80 10.5 9.2 13.8



#64
 4,6-Dinitro-2-methylphenol
 Concen: 5.496 ng
 RT: 10.84 min Scan# 1445
 Delta R.T. 0.18 min
 Lab File: BF108347.D
 Acq: 21 Aug 2018 19:47

Tgt Ion:198 Resp: 333
 Ion Ratio Lower Upper
 198 100
 51 404.8 37.7 77.7#
 105 189.7 36.3 76.3#

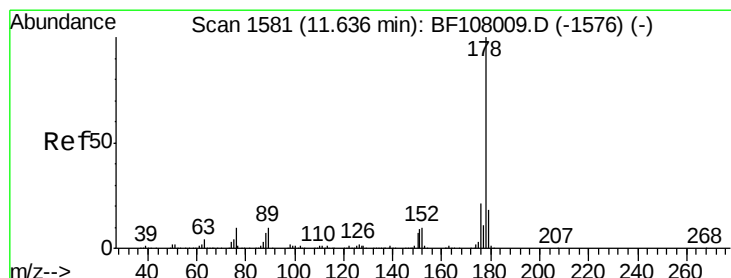
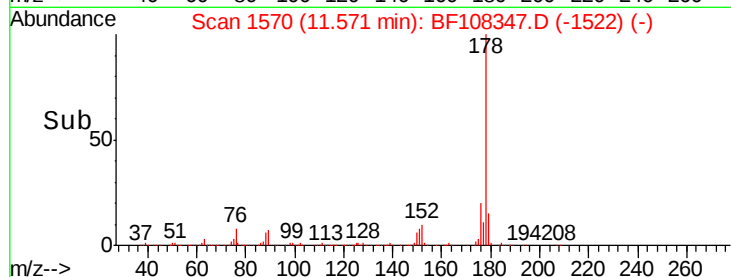
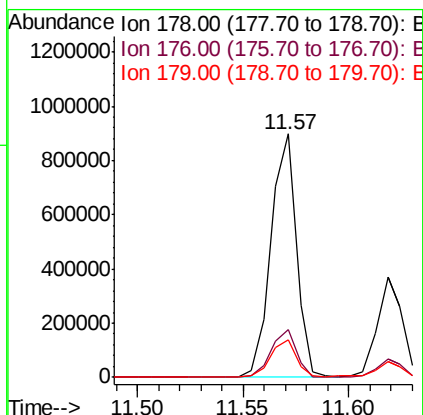
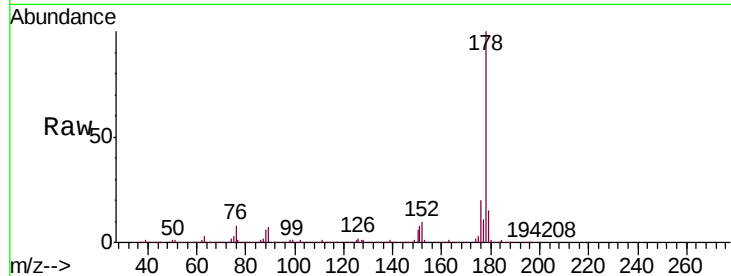




#70
Phenanthrene
Concen: 27.876 ng
RT: 11.57 min Scan# 1570
Delta R.T. -0.02 min
Lab File: BF108347.D
Acq: 21 Aug 2018 19:47

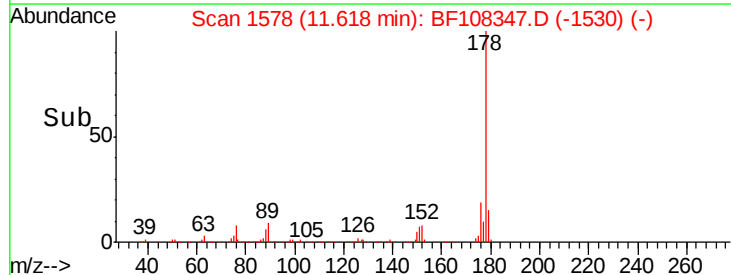
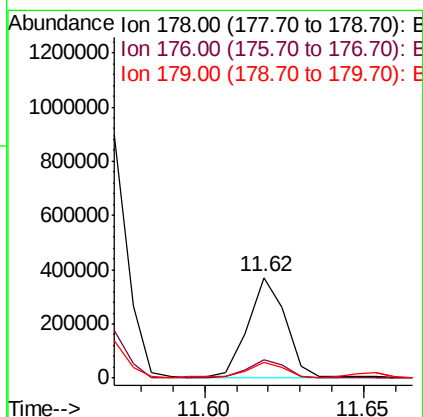
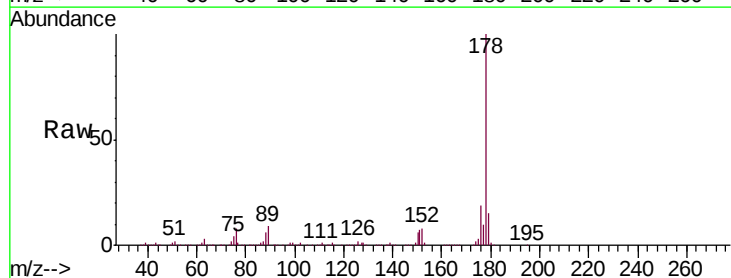
Instrument :
BNA_F
ClientSampleId :
72-11979DL

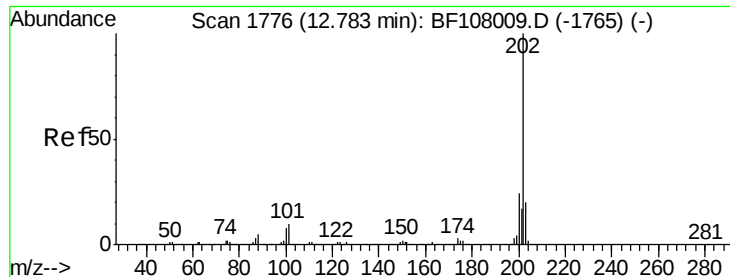
Tgt Ion:178 Resp: 755824
Ion Ratio Lower Upper
178 100
176 19.8 15.8 23.8
179 15.3 13.0 19.6



#71
Anthracene
Concen: 10.729 ng
RT: 11.62 min Scan# 1578
Delta R.T. -0.02 min
Lab File: BF108347.D
Acq: 21 Aug 2018 19:47

Tgt Ion:178 Resp: 298140
Ion Ratio Lower Upper
178 100
176 18.8 15.4 23.2
179 15.4 12.6 19.0

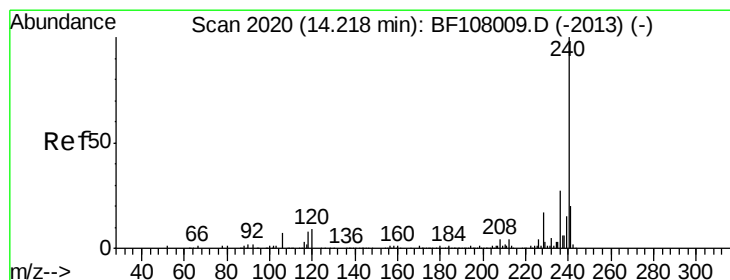
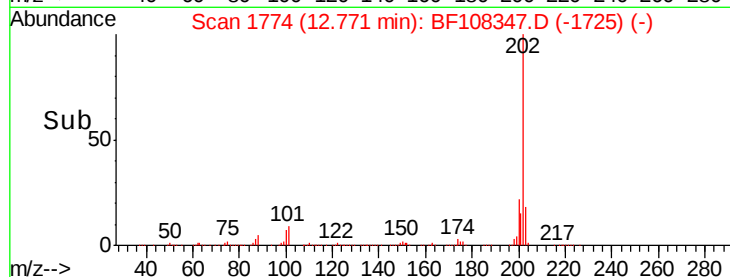
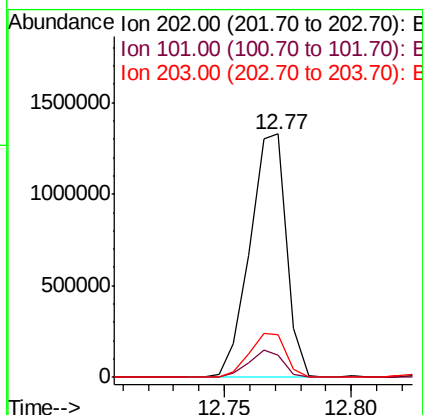
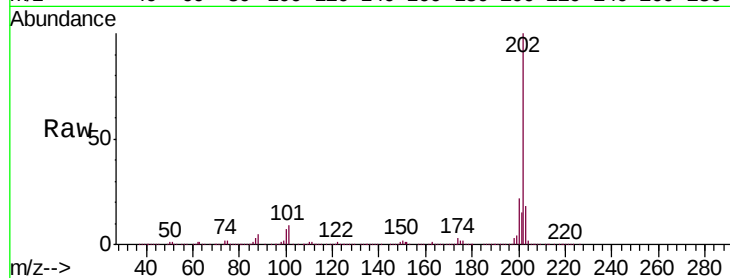




#74
 Fluoranthene
 Concen: 45.129 ng
 RT: 12.77 min Scan# 1774
 Delta R.T. -0.01 min
 Lab File: BF108347.D
 Acq: 21 Aug 2018 19:47

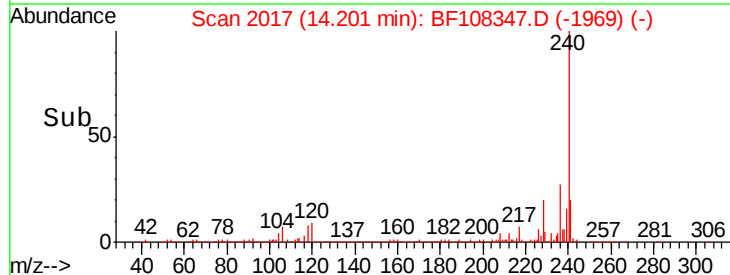
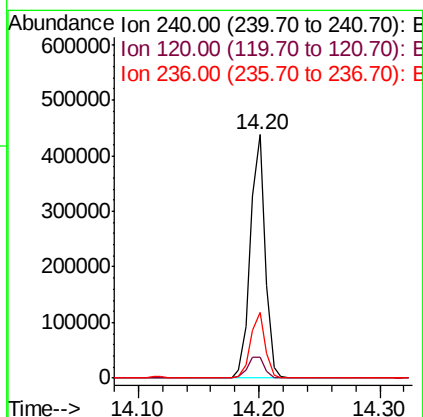
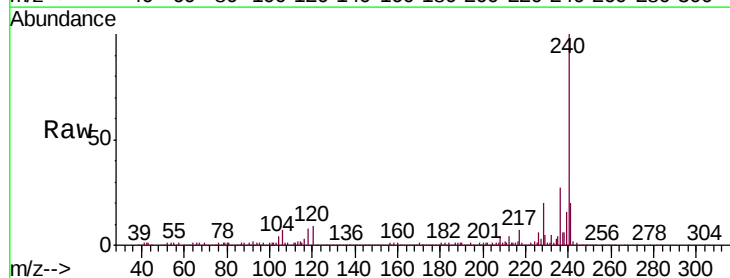
Instrument :
 BNA_F
 ClientSampleId :
 72-11979DL

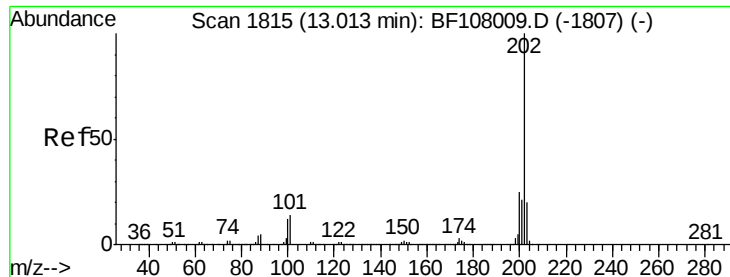
Tgt Ion: 202 Resp: 1335421
 Ion Ratio Lower Upper
 202 100
 101 9.1 0.0 34.1
 203 17.7 0.0 38.1



#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.20 min Scan# 2017
 Delta R.T. -0.02 min
 Lab File: BF108347.D
 Acq: 21 Aug 2018 19:47

Tgt Ion: 240 Resp: 376297
 Ion Ratio Lower Upper
 240 100
 120 8.8 9.5 14.3#
 236 26.9 20.7 31.1





#77

Pyrene

Concen: 50.872 ng

RT: 13.00 min Scan# 1813

Delta R.T. -0.01 min

Lab File: BF108347.D

Acq: 21 Aug 2018 19:47

Instrument :

BNA_F

ClientSampleId :

72-11979DL

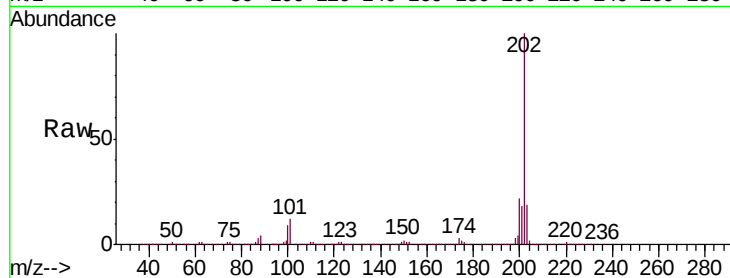
Tgt Ion:202 Resp: 1211959

Ion Ratio Lower Upper

202 100

200 22.1 17.4 26.2

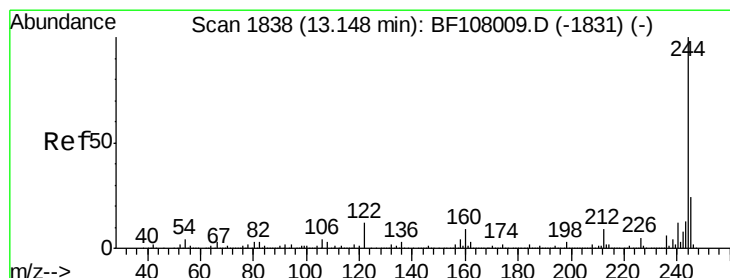
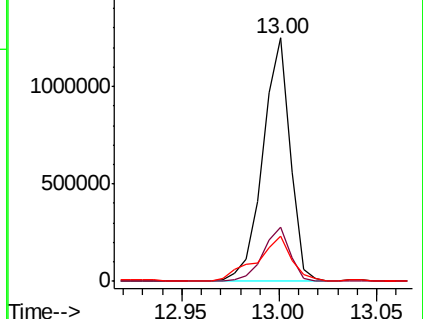
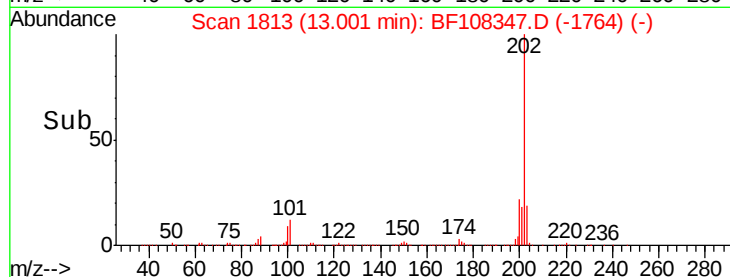
203 18.6 14.3 21.5



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



#78

Terphenyl-d14

Concen: 35.962 ng

RT: 13.12 min Scan# 1834

Delta R.T. -0.02 min

Lab File: BF108347.D

Acq: 21 Aug 2018 19:47

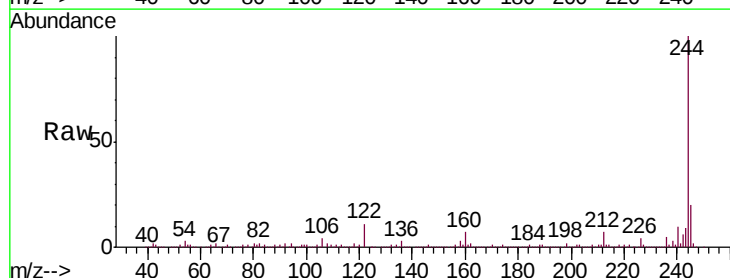
Tgt Ion:244 Resp: 532229

Ion Ratio Lower Upper

244 100

212 7.3 5.4 8.0

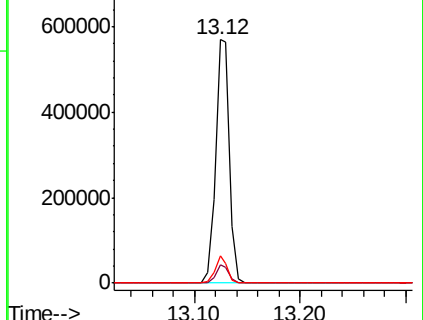
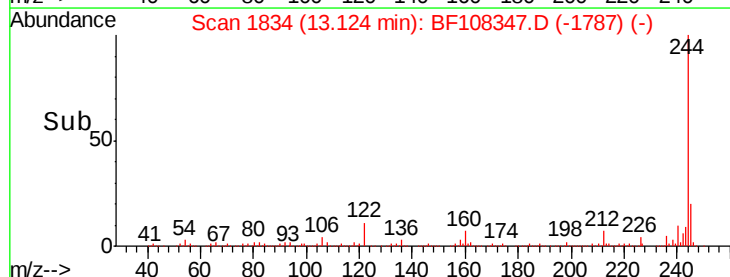
122 11.0 11.0 16.4

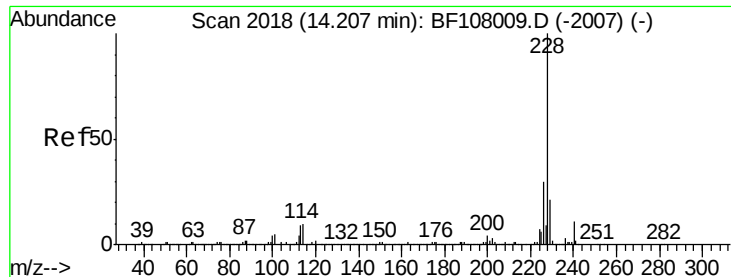


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 29.876 ng

RT: 14.19 min Scan# 2015

Delta R.T. -0.02 min

Lab File: BF108347.D

Acq: 21 Aug 2018 19:47

Instrument :

BNA_F

ClientSampleId :

72-11979DL

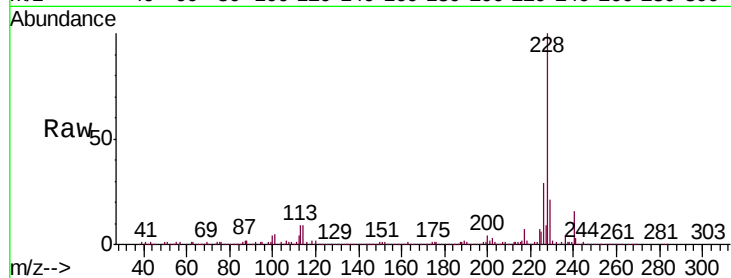
Tgt Ion:228 Resp: 645197

Ion Ratio Lower Upper

228 100

226 28.8 22.6 33.8

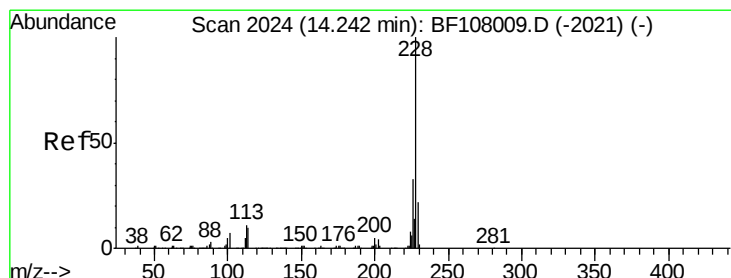
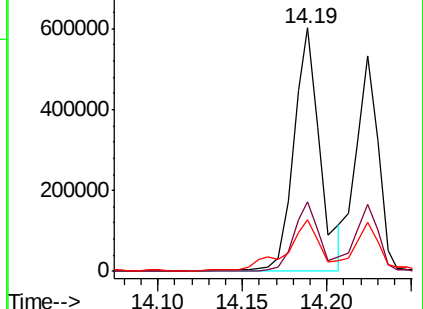
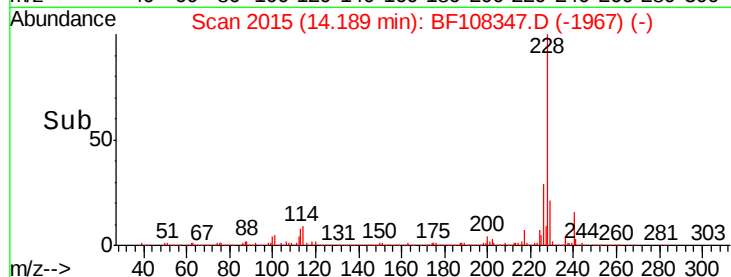
229 21.2 15.8 23.6



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



#82

Chrysene

Concen: 24.564 ng

RT: 14.22 min Scan# 2021

Delta R.T. -0.02 min

Lab File: BF108347.D

Acq: 21 Aug 2018 19:47

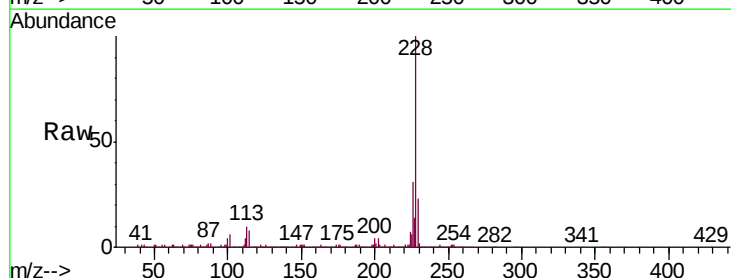
Tgt Ion:228 Resp: 486343

Ion Ratio Lower Upper

228 100

226 31.3 25.0 37.6

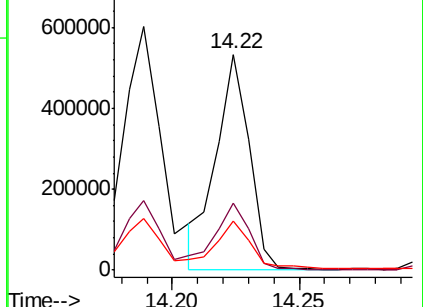
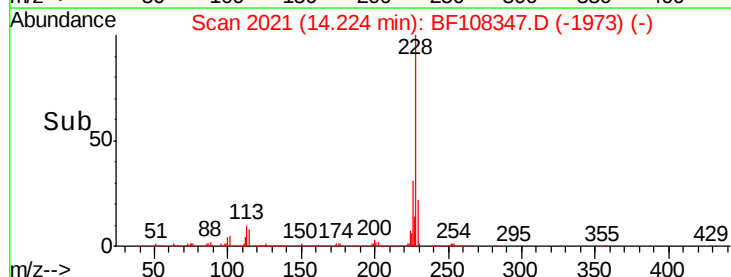
229 23.0 16.2 24.4

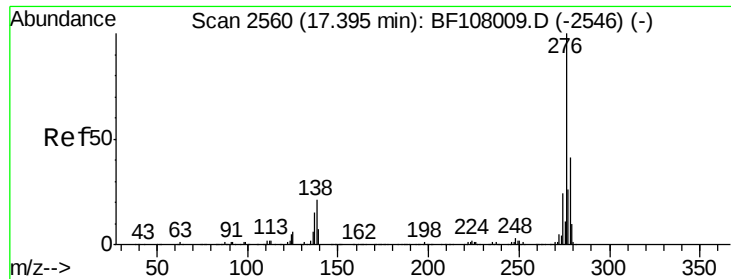


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#85

Indeno(1,2,3-cd)pyrene

Concen: 15.013 ng

RT: 17.37 min Scan# 2555

Delta R.T. -0.03 min

Lab File: BF108347.D

Acq: 21 Aug 2018 19:47

Instrument :

BNA_F

ClientSampleId :

72-11979DL

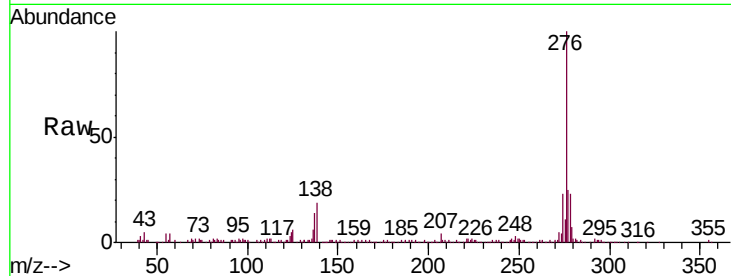
Tgt Ion:276 Resp: 257550

Ion Ratio Lower Upper

276 100

138 19.1 25.0 37.6#

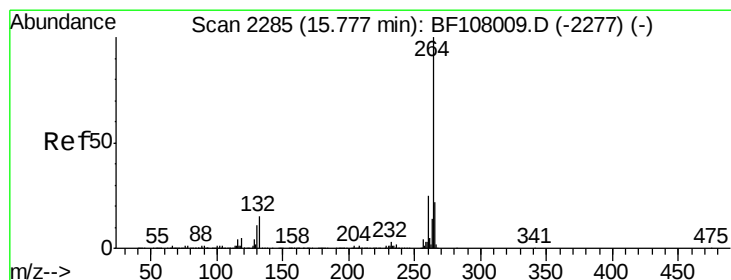
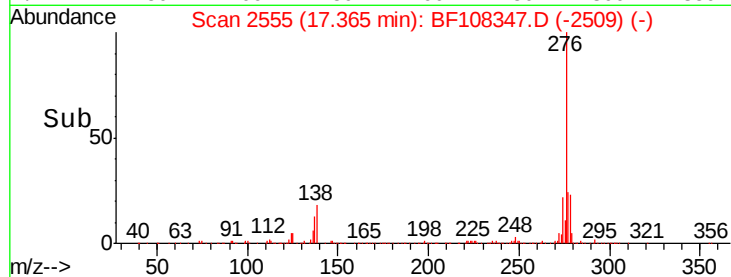
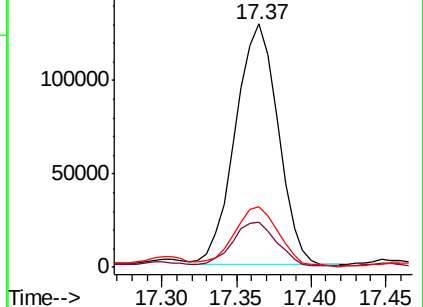
277 25.8 20.1 30.1



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.76 min Scan# 2282

Delta R.T. -0.02 min

Lab File: BF108347.D

Acq: 21 Aug 2018 19:47

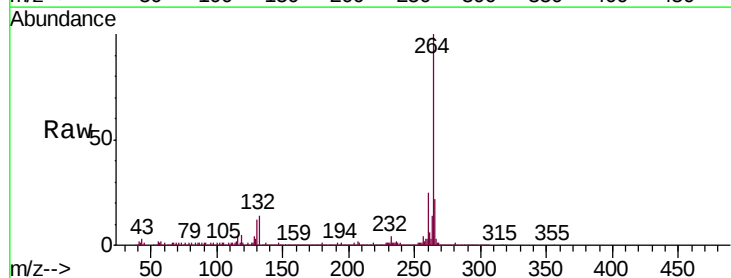
Tgt Ion:264 Resp: 386512

Ion Ratio Lower Upper

264 100

260 25.1 19.2 28.8

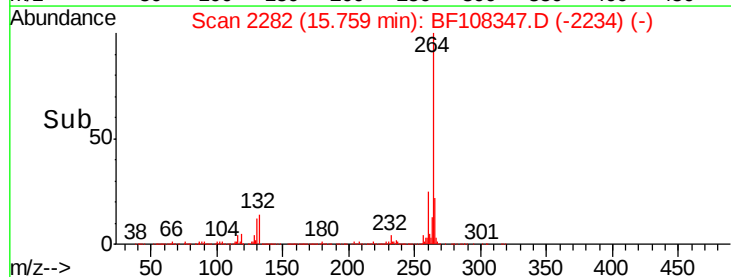
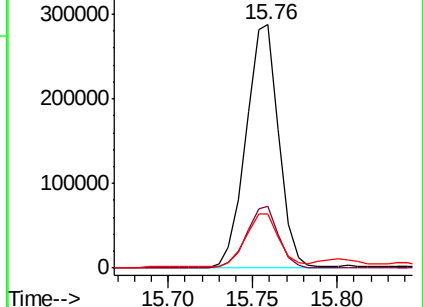
265 22.2 17.5 26.3

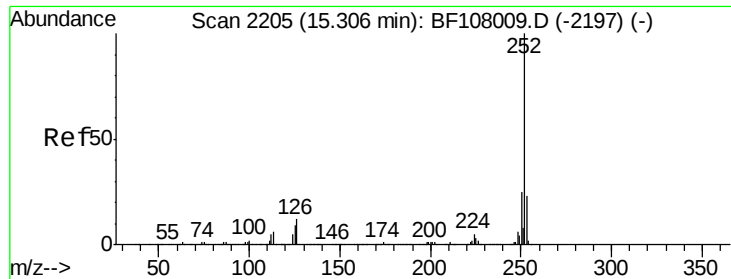


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

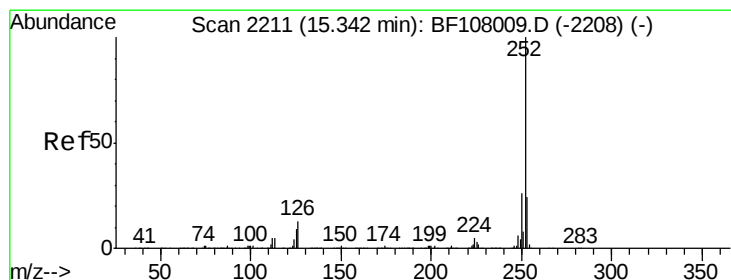
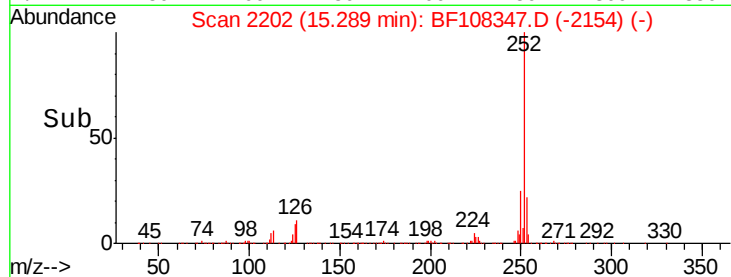
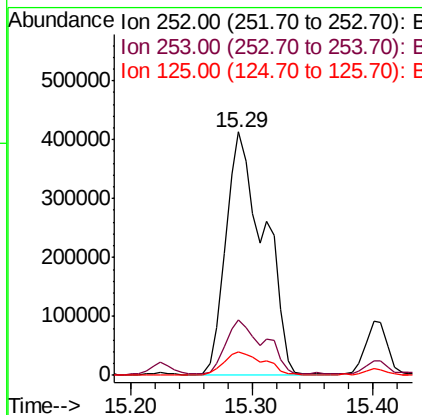
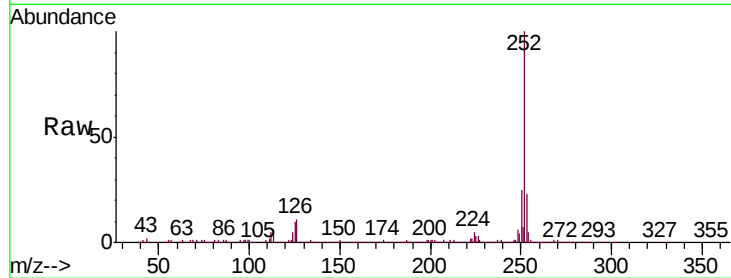




#87
Benzo(b)fluoranthene
Concen: 39.166 ng
RT: 15.29 min Scan# 2202
Delta R.T. -0.02 min
Lab File: BF108347.D
Acq: 21 Aug 2018 19:47

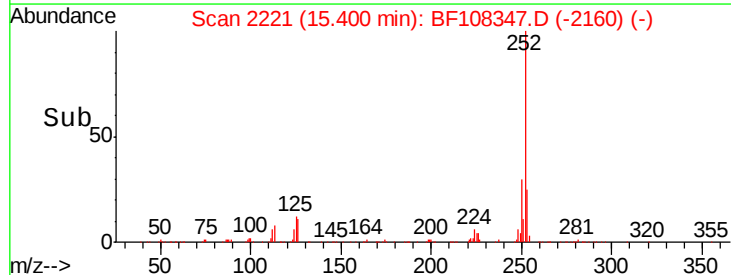
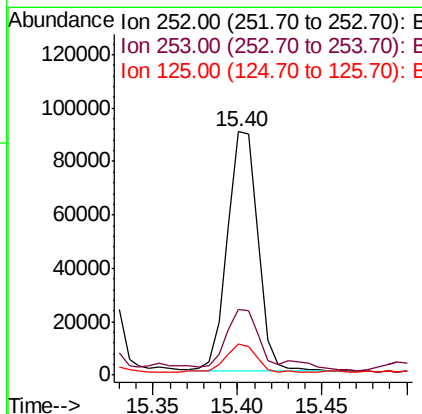
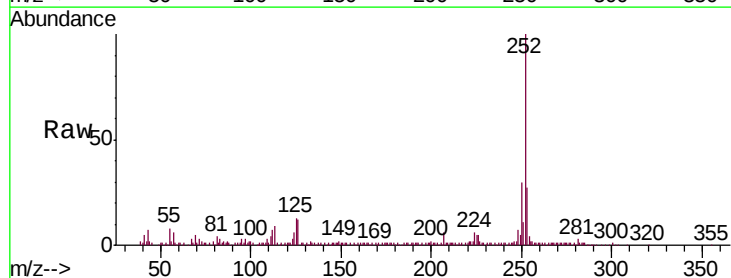
Instrument :
BNA_F
ClientSampleId :
72-11979DL

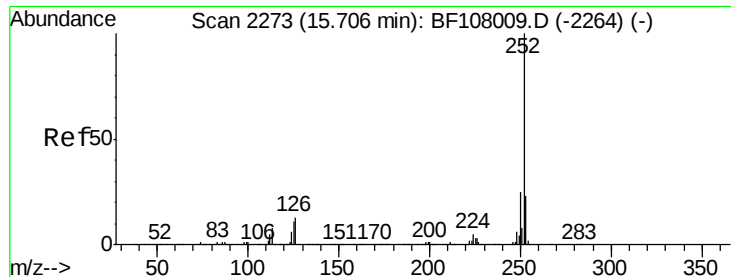
Tgt Ion:252 Resp: 904558
Ion Ratio Lower Upper
252 100
253 22.9 17.0 25.6
125 9.7 9.0 13.6



#88
Benzo(k)fluoranthene
Concen: 5.334 ng
RT: 15.40 min Scan# 2221
Delta R.T. 0.06 min
Lab File: BF108347.D
Acq: 21 Aug 2018 19:47

Tgt Ion:252 Resp: 113240
Ion Ratio Lower Upper
252 100
253 26.7 17.9 26.9
125 12.8 10.2 15.2





#89

Benzo(a)pyrene

Concen: 15.181 ng

RT: 15.62 min Scan# 2258

Delta R.T. -0.09 min

Lab File: BF108347.D

Acq: 21 Aug 2018 19:47

Instrument :

BNA_F

ClientSampleId :

72-11979DL

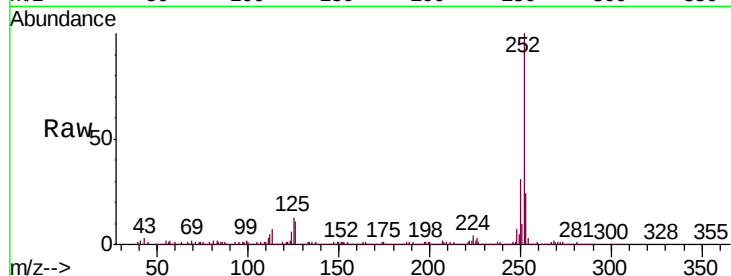
Tgt Ion:252 Resp: 313969

Ion Ratio Lower Upper

252 100

253 23.5 17.1 25.7

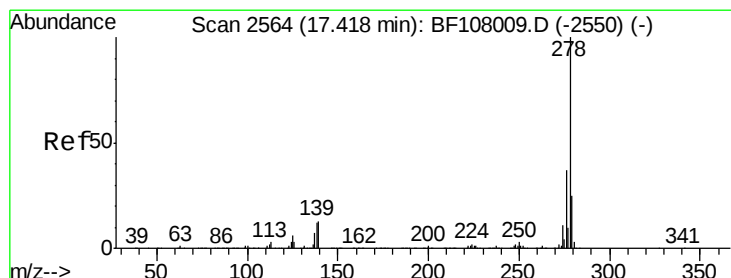
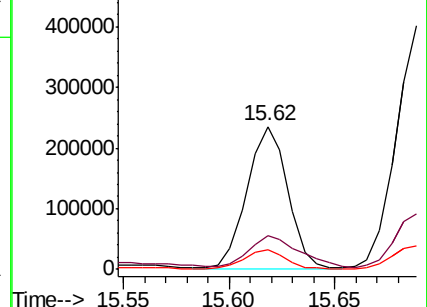
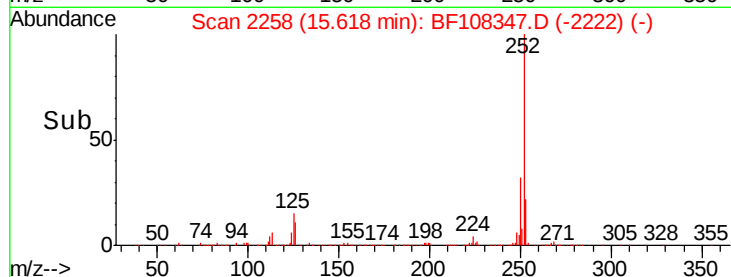
125 13.5 9.8 14.6



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

Dibenzo(a,h)anthracene

Concen: 4.079 ng

RT: 17.37 min Scan# 2556

Delta R.T. -0.05 min

Lab File: BF108347.D

Acq: 21 Aug 2018 19:47

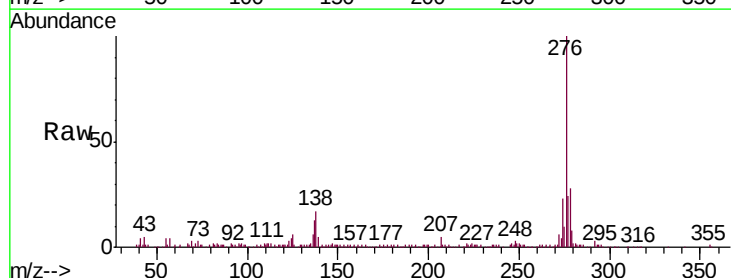
Tgt Ion:278 Resp: 69807

Ion Ratio Lower Upper

278 100

139 18.0 15.9 23.9

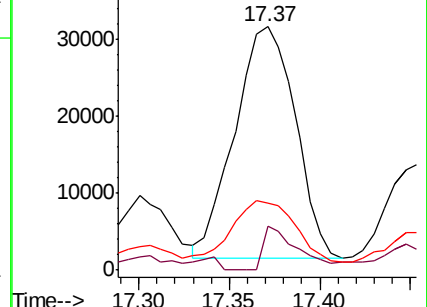
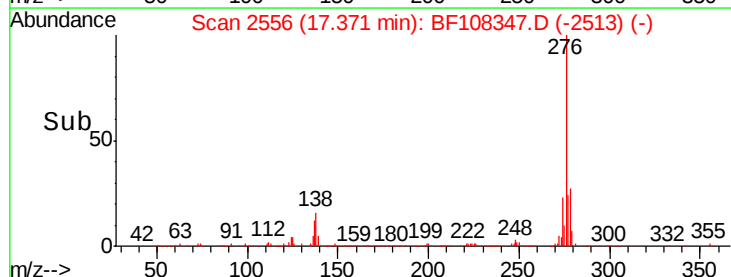
279 27.6 19.0 28.4

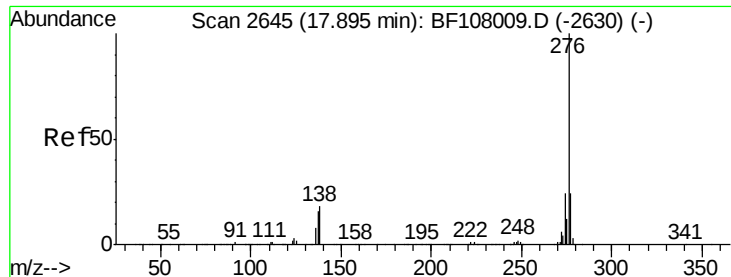


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#91

Benzo(g,h,i)perylene

Concen: 13.429 ng

RT: 17.86 min Scan# 2639

Delta R.T. -0.04 min

Lab File: BF108347.D

Acq: 21 Aug 2018 19:47

Instrument :

BNA_F

ClientSampleId :

72-11979DL

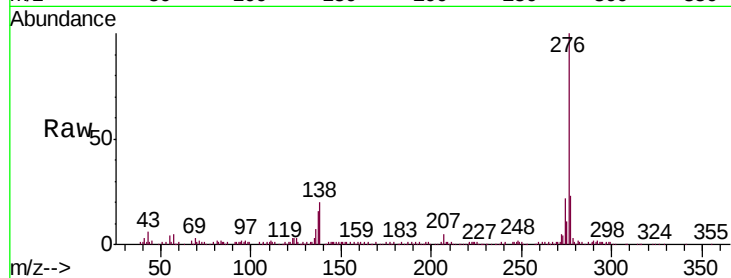
Tgt Ion: 276 Resp: 226275

Ion Ratio Lower Upper

276 100

277 23.3 17.9 26.9

138 19.6 21.8 32.8#



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

