

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF081718\
 Data File : BF108272.D
 Acq On : 18 Aug 2018 5:04
 Operator : JU/SJ
 Sample : J4511-07 2X
 Misc :
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RA-081518-NSW-45-029

Quant Time: Aug 18 05:48:52 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 08 12:24:24 2018
 Response via : Initial Calibration

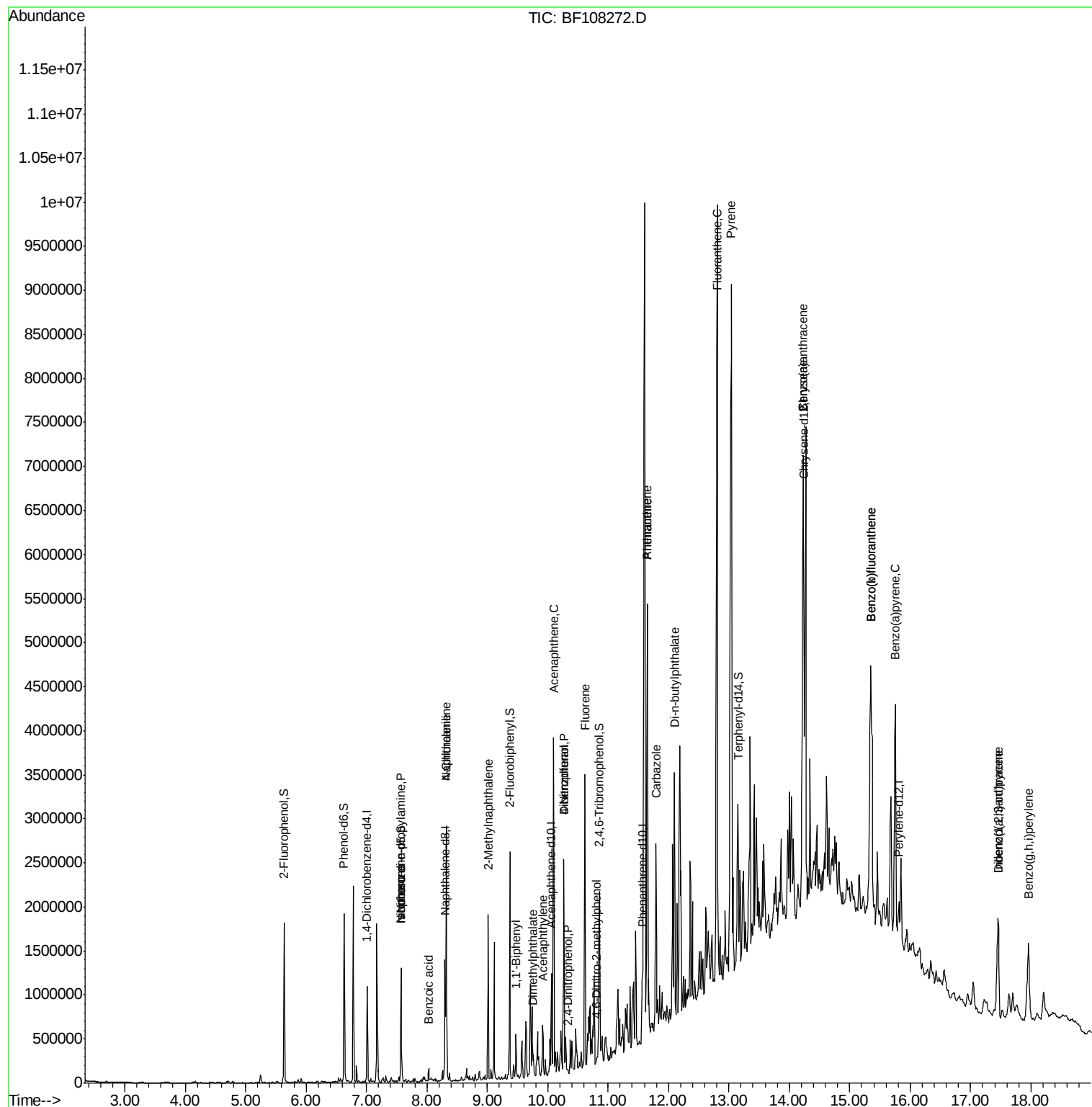
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.01	152	153936	20.00	ng	0.00
21) Naphthalene-d8	8.30	136	562414	20.00	ng	0.00
38) Acenaphthene-d10	10.06	164	241799	20.00	ng	0.00
63) Phenanthrene-d10	11.57	188	389101	20.00	ng	0.00
75) Chrysene-d12	14.24	240	302160	20.00	ng	0.02
86) Perylene-d12	15.81	264	223851	20.00	ng	0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.64	112	462404	54.38	ng	0.01
7) Phenol-d6	6.63	99	613720	54.32	ng	0.00
23) Nitrobenzene-d5	7.58	82	395594	39.25	ng	0.00
41) 2,4,6-Tribromophenol	10.86	330	119017	49.35	ng	0.00
44) 2-Fluorobiphenyl	9.37	172	715138	47.48	ng	0.00
78) Terphenyl-d14	13.15	244	594283	50.01	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.58	70	56477	7.392	ng	# 84
25) Isophorone	7.58	82	393306	20.473	ng	# 64
31) Naphthalene	8.32	128	1139050	44.533	ng	99
32) Benzoic acid	8.02	122	304	6.028	ng	# 1
33) 4-Chloroaniline	8.32	127	154843	13.892	ng	# 33
37) 2-Methylnaphthalene	9.01	142	451923	24.973	ng	96
45) 1,1'-Biphenyl	9.47	154	151040	8.472	ng	98
48) Acenaphthylene	9.92	152	144496	6.487	ng	97
49) Dimethylphthalate	9.77	163	79444	4.717	ng	# 99
51) Acenaphthene	10.10	154	831534	60.945	ng	99
53) 2,4-Dinitrophenol	10.34	184	640	7.463	ng	# 38
54) Dibenzofuran	10.27	168	923728	46.731	ng	98
55) 4-Nitrophenol	10.27	139	367986	126.036	ng	# 10
57) Fluorene	10.62	166	921103	58.864	ng	99
64) 4,6-Dinitro-2-methylphenol	10.80	198	110	5.425	ng	# 1
70) Phenanthrene	11.65	178	1948109	106.149	ng	98
71) Anthracene	11.65	178	1948109	103.568	ng	97
72) Carbazole	11.80	167	777289	46.510	ng	99
73) Di-n-butylphthalate	12.11	149	106917	5.648	ng	# 92
74) Fluoranthene	12.81	202	5508003	274.994	ng	91
77) Pyrene	13.05	202	5136171	268.490	ng	# 87
80) Benzo(a)anthracene	14.23	228	2834965	163.484	ng	93
82) Chrysene	14.23	228	2834965	178.322	ng	97
85) Indeno(1,2,3-cd)pyrene	17.46	276	922823	66.993	ng	# 86
87) Benzo(b)fluoranthene	15.35	252	3102690	231.959	ng	96
88) Benzo(k)fluoranthene	15.35	252	3102690	252.337	ng	96
89) Benzo(a)pyrene	15.75	252	1591268	132.851	ng	94
90) Dibenzo(a,h)anthracene	17.46	278	234643	23.676	ng	# 91
91) Benzo(g,h,i)perylene	17.96	276	841962	86.278	ng	# 90

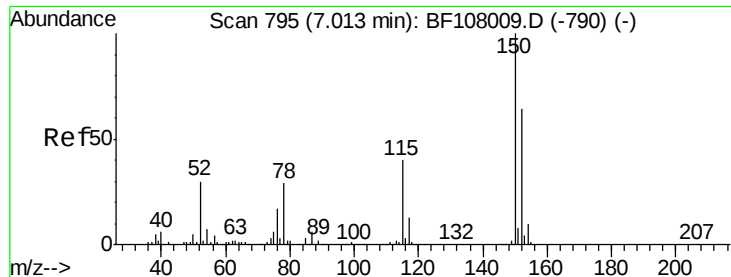
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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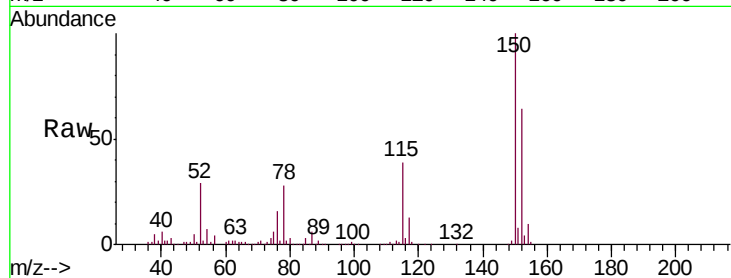


#1

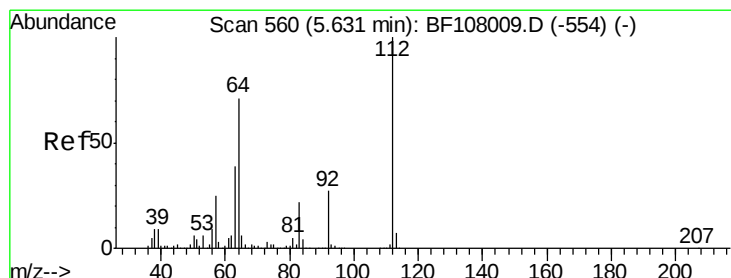
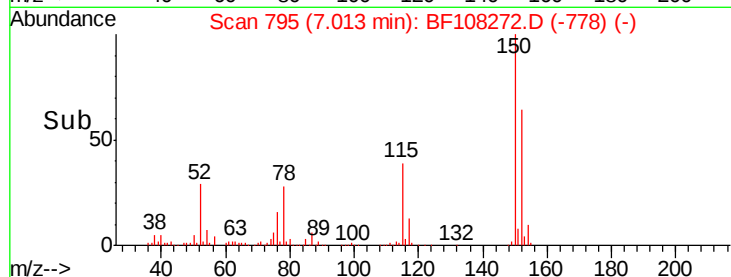
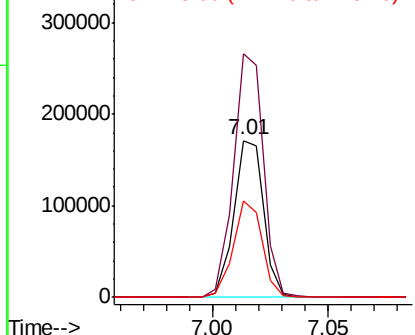
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.01 min Scan# 795
Delta R.T. 0.00 min
Lab File: BF108272.D
Acq: 18 Aug 2018 5:04

Instrument :
BNA_F
ClientSampleId :
RA-081518-NSW-45-029

Tgt Ion	Ratio	Lower	Upper
152	100		
150	155.1	124.6	186.8
115	61.2	50.1	75.1



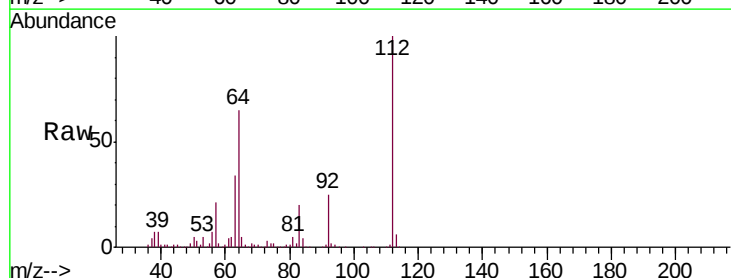
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



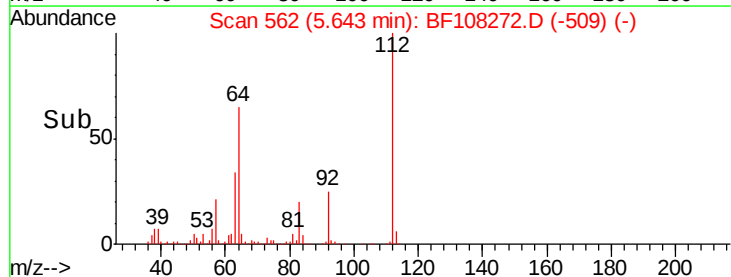
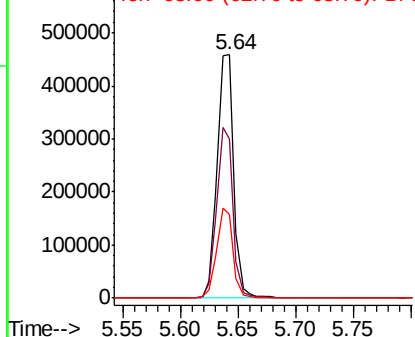
#5

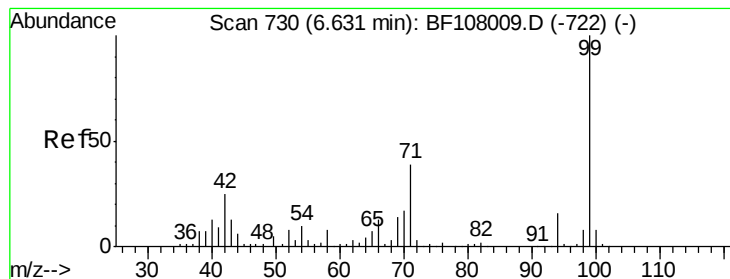
2-Fluorophenol
Concen: 54.384 ng
RT: 5.64 min Scan# 562
Delta R.T. 0.01 min
Lab File: BF108272.D
Acq: 18 Aug 2018 5:04

Tgt Ion	Ratio	Lower	Upper
112	100		
64	65.2	47.9	71.9
63	34.2	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: 54.317 ng

RT: 6.63 min Scan# 730

Delta R.T. 0.00 min

Lab File: BF108272.D

Acq: 18 Aug 2018 5:04

Instrument :

BNA_F

ClientSampleId :

RA-081518-NSW-45-029

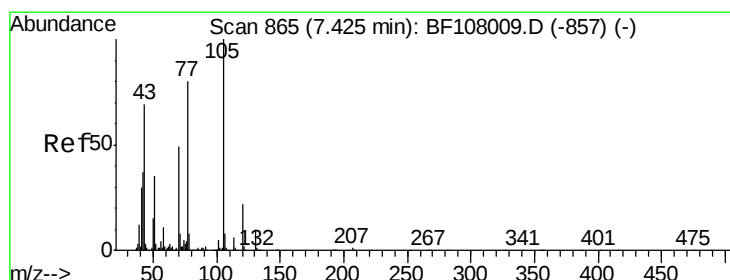
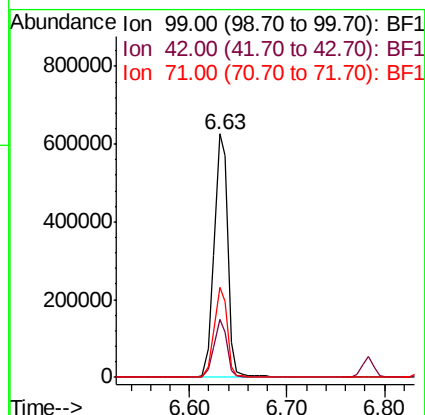
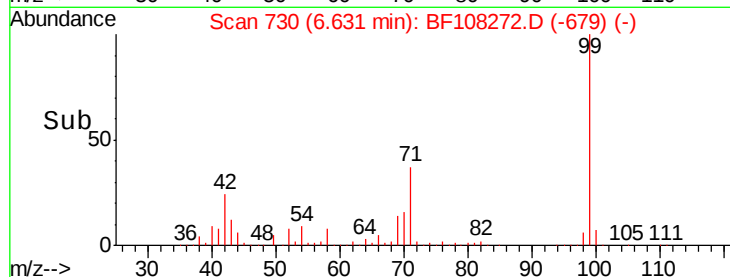
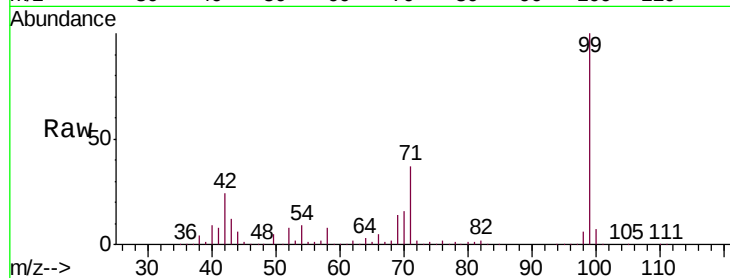
Tgt Ion: 99 Resp: 613720

Ion Ratio Lower Upper

99 100

42 23.9 14.5 21.7#

71 37.2 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 7.392 ng

RT: 7.58 min Scan# 891

Delta R.T. 0.15 min

Lab File: BF108272.D

Acq: 18 Aug 2018 5:04

Tgt Ion: 70 Resp: 56477

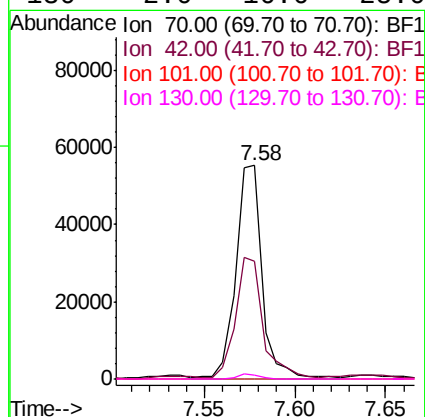
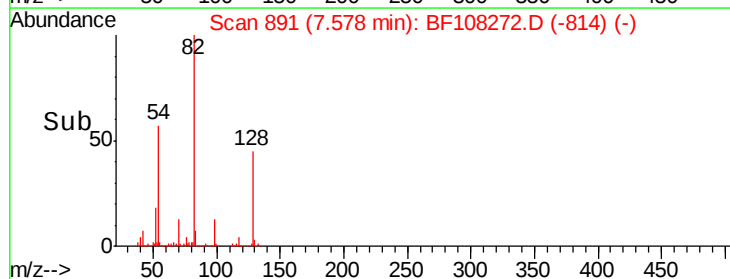
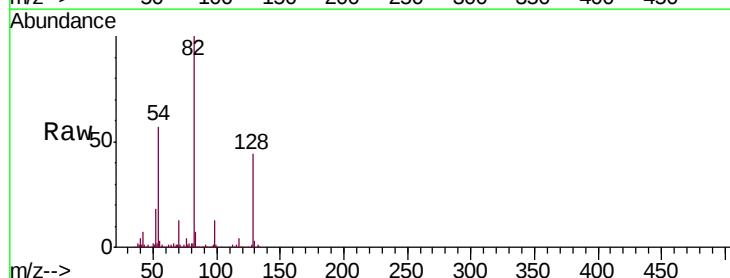
Ion Ratio Lower Upper

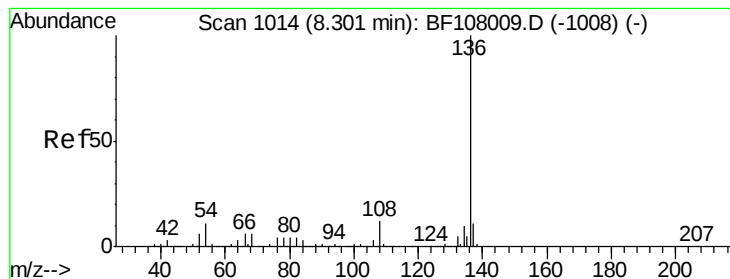
70 100

42 55.2 47.5 71.3

101 0.0 7.4 11.2#

130 2.0 16.6 25.0#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.30 min Scan# 1014

Delta R.T. 0.00 min

Lab File: BF108272.D

Acq: 18 Aug 2018 5:04

Instrument :

BNA_F

ClientSampleId :

RA-081518-NSW-45-029

Tgt Ion: 136 Resp: 562414

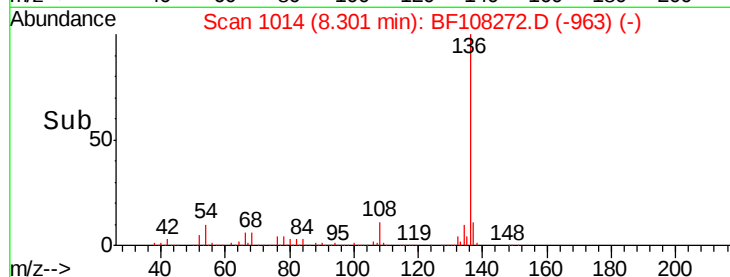
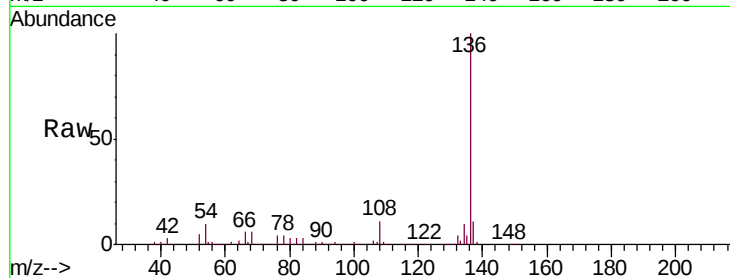
Ion Ratio Lower Upper

136 100

137 11.0 8.9 13.3

54 9.6 6.6 9.8

68 5.8 5.0 7.4

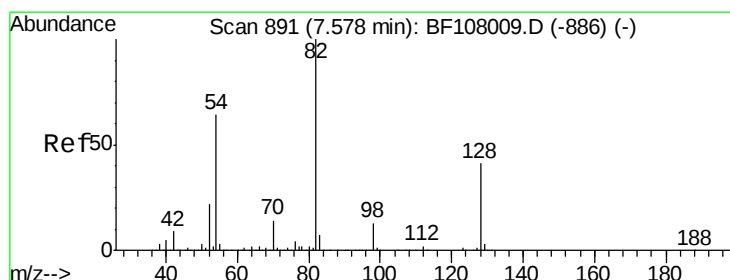
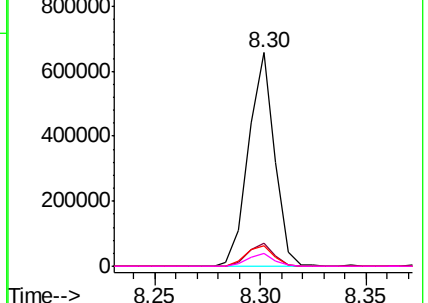


Abundance Ion 136.00 (135.70 to 136.70): E

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: 39.250 ng

RT: 7.58 min Scan# 891

Delta R.T. 0.00 min

Lab File: BF108272.D

Acq: 18 Aug 2018 5:04

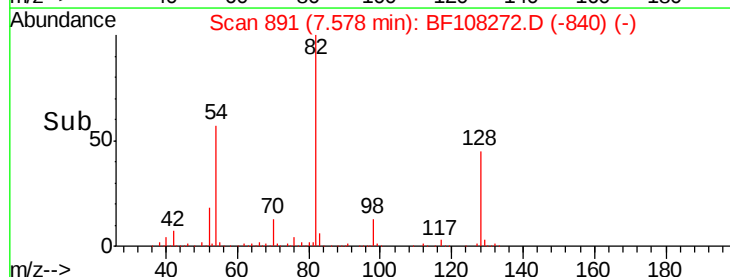
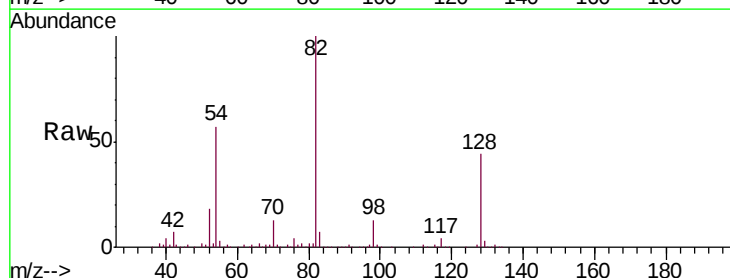
Tgt Ion: 82 Resp: 395594

Ion Ratio Lower Upper

82 100

128 44.5 36.1 54.1

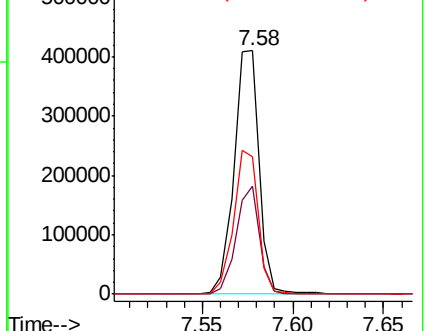
54 56.6 41.4 62.2

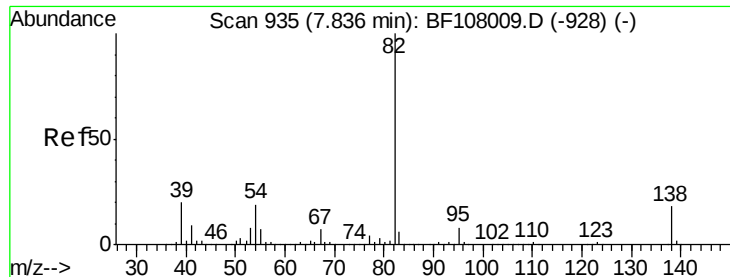


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 20.473 ng

RT: 7.58 min Scan# 891

Delta R.T. -0.26 min

Lab File: BF108272.D

Acq: 18 Aug 2018 5:04

Instrument :

BNA_F

ClientSampleId :

RA-081518-NSW-45-029

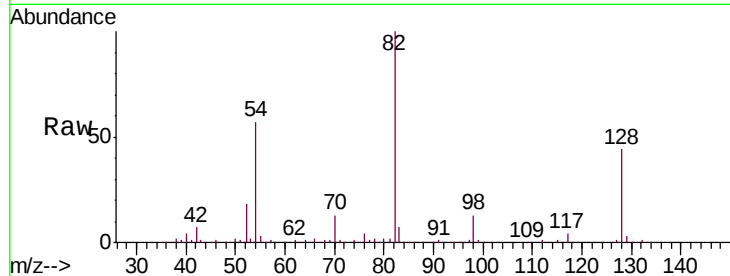
Tgt Ion: 82 Resp: 393306

Ion Ratio Lower Upper

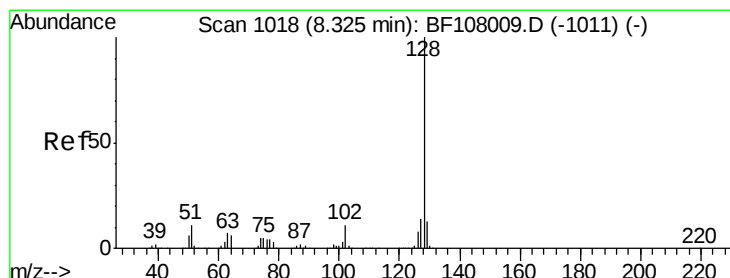
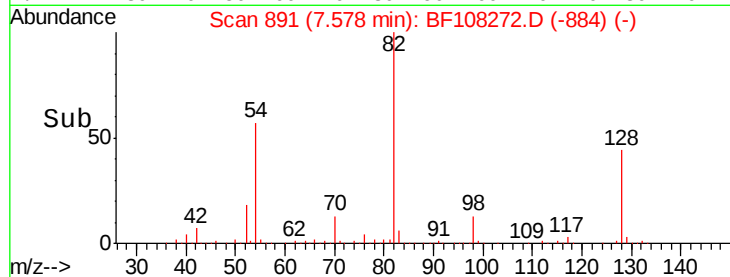
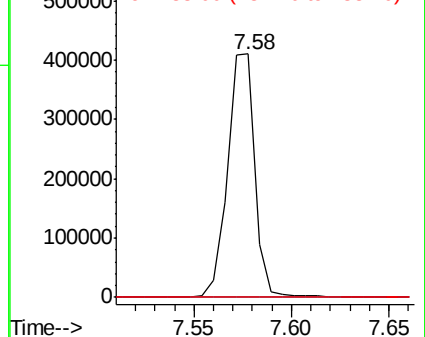
82 100

95 0.2 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



#31

Naphthalene

Concen: 44.533 ng

RT: 8.32 min Scan# 1018

Delta R.T. 0.00 min

Lab File: BF108272.D

Acq: 18 Aug 2018 5:04

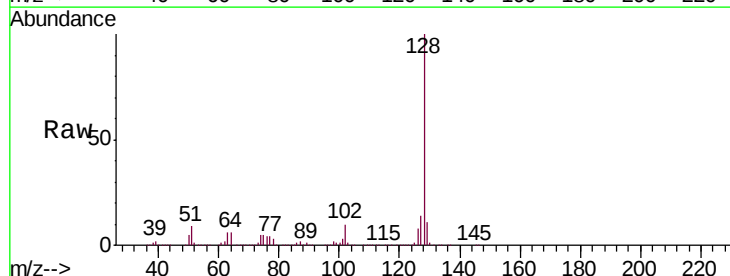
Tgt Ion: 128 Resp: 1139050

Ion Ratio Lower Upper

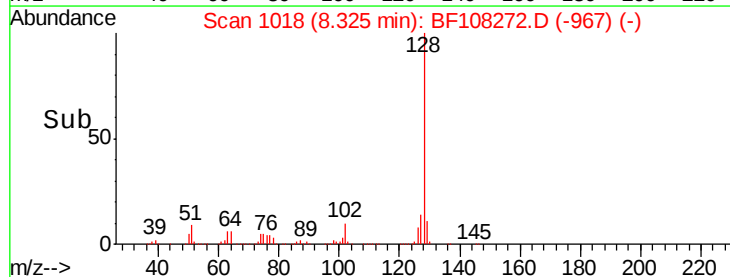
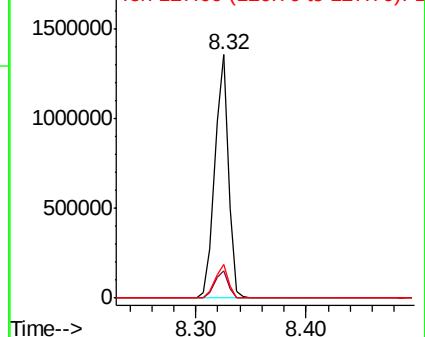
128 100

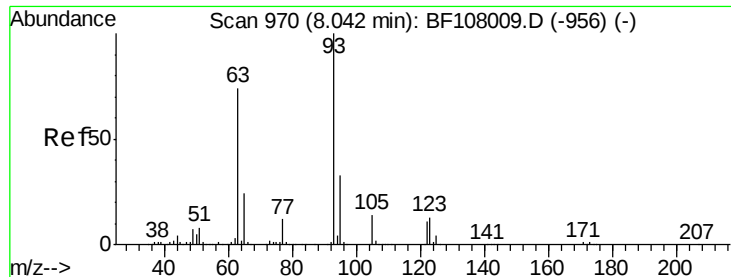
129 11.4 8.8 13.2

127 13.7 10.9 16.3



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

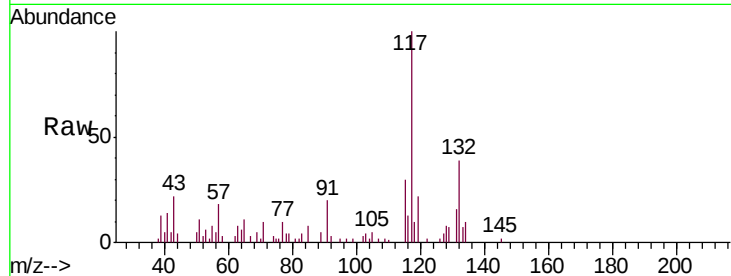




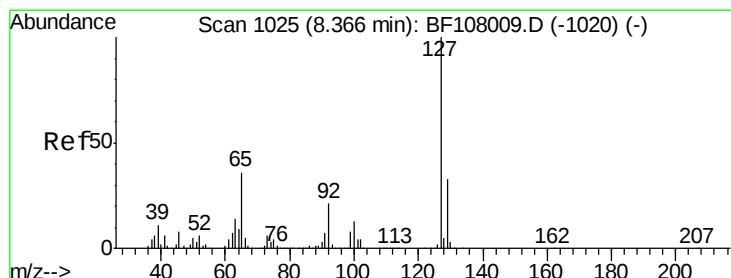
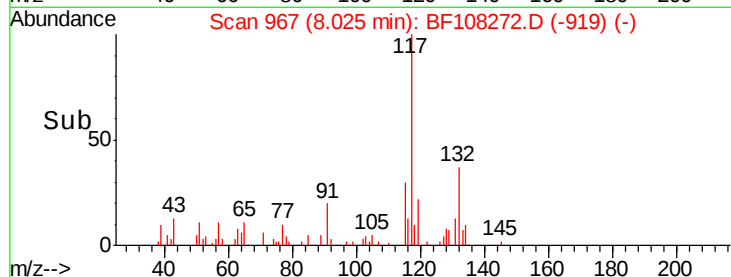
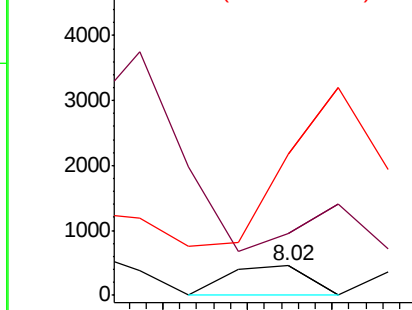
#32
Benzoic acid
Concen: 6.028 ng
RT: 8.02 min Scan# 967
Delta R.T. -0.02 min
Lab File: BF108272.D
Acq: 18 Aug 2018 5:04

Instrument :
BNA_F
ClientSampleId :
RA-081518-NSW-45-029

Tgt Ion:122 Resp: 304
Ion Ratio Lower Upper
122 100
105 210.5 101.1 141.1#
77 477.8 70.7 110.7#

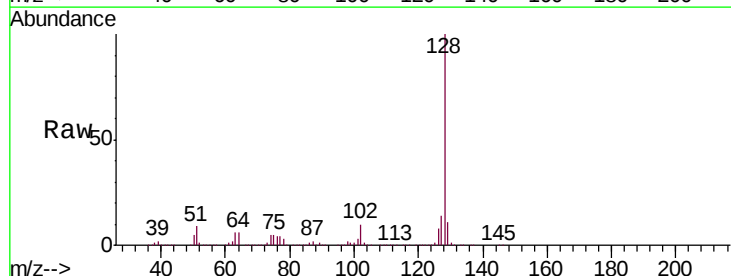


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BF1

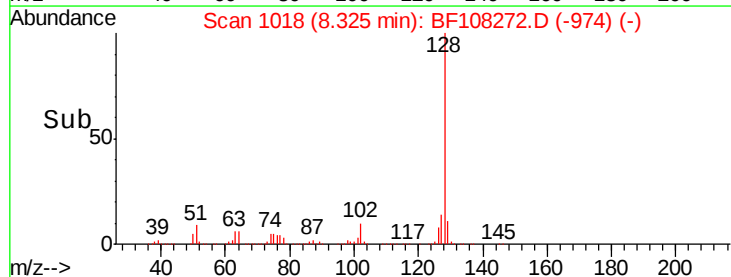
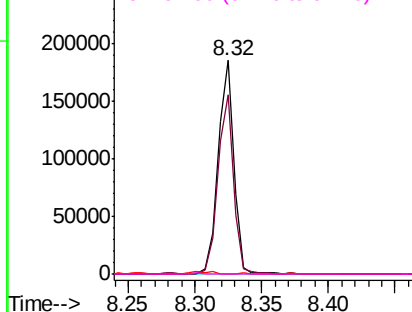


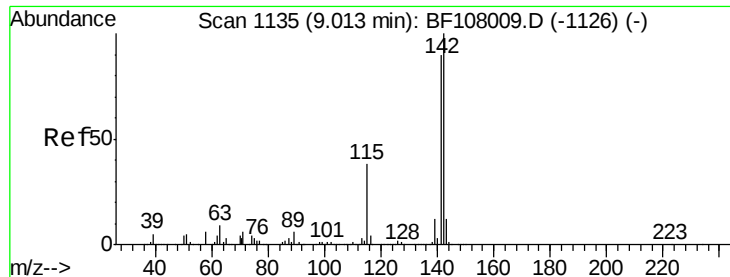
#33
4-Chloroaniline
Concen: 13.892 ng
RT: 8.32 min Scan# 1018
Delta R.T. -0.04 min
Lab File: BF108272.D
Acq: 18 Aug 2018 5:04

Tgt Ion:127 Resp: 154843
Ion Ratio Lower Upper
127 100
129 83.7 25.9 38.9#
65 0.0 25.0 37.4#
92 0.0 15.2 22.8#



Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF1
Ion 92.00 (91.70 to 92.70): BF1

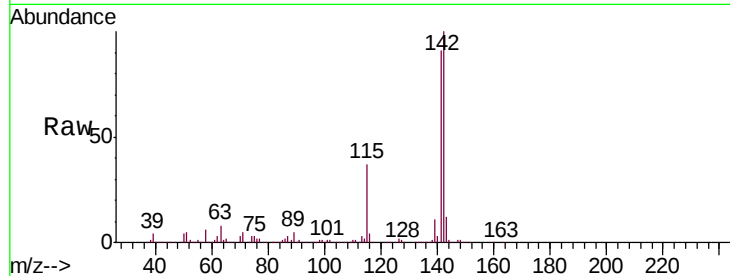




#37
 2-Methylnaphthalene
 Concen: 24.973 ng
 RT: 9.01 min Scan# 1135
 Delta R.T. 0.00 min
 Lab File: BF108272.D
 Acq: 18 Aug 2018 5:04

Instrument :
 BNA_F
 ClientSampleId :
 RA-081518-NSW-45-029

Tgt Ion	Ratio	Lower	Upper
142	100		
141	90.8	70.8	106.2
115	36.9	26.1	39.1

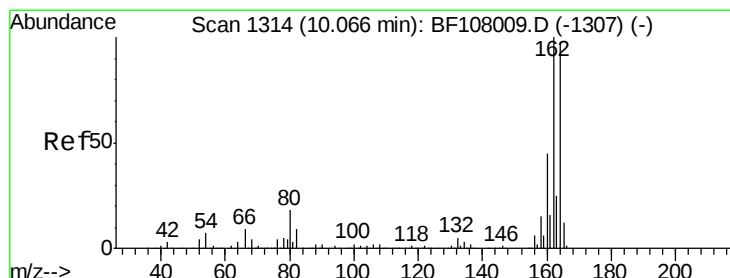
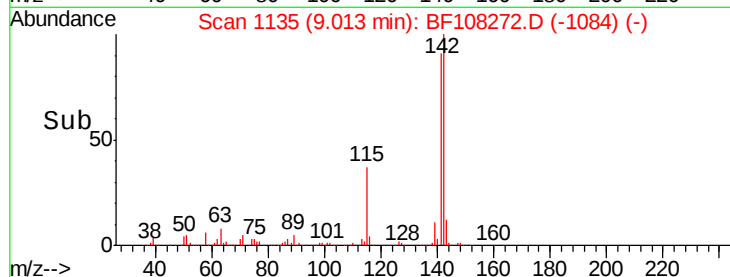
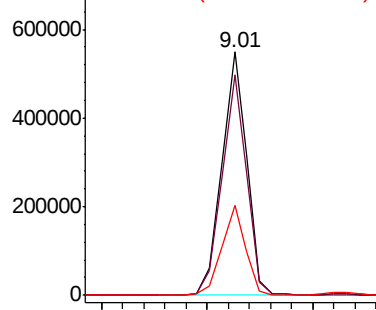


Abundance

Ion 142.00 (141.70 to 142.70): E

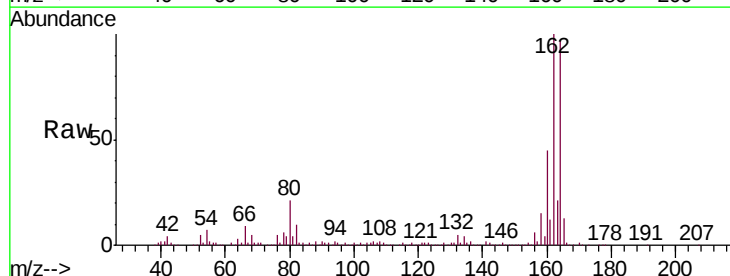
Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 10.06 min Scan# 1313
 Delta R.T. -0.01 min
 Lab File: BF108272.D
 Acq: 18 Aug 2018 5:04

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.6	86.1	129.1
160	46.1	38.3	57.5

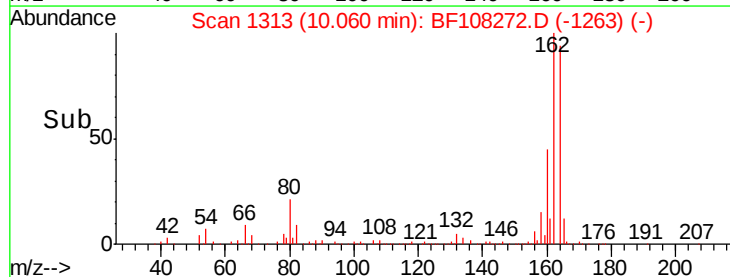
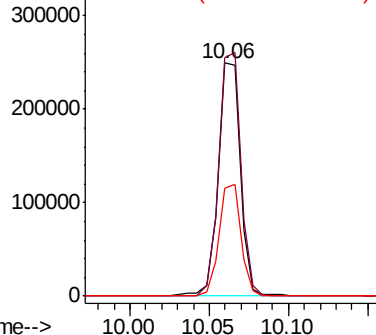


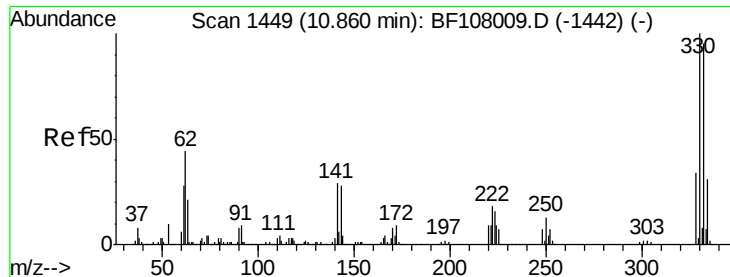
Abundance

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

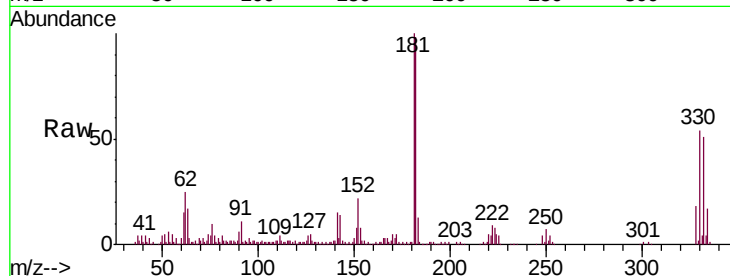




#41
 2,4,6-Tribromophenol
 Concen: 49.346 ng
 RT: 10.86 min Scan# 1449
 Delta R.T. 0.00 min
 Lab File: BF108272.D
 Acq: 18 Aug 2018 5:04

Instrument :
 BNA_F
 ClientSampleId :
 RA-081518-NSW-45-029

Tgt Ion	Ratio	Lower	Upper
330	100		
332	93.6	77.0	115.6
141	40.0	29.9	44.9

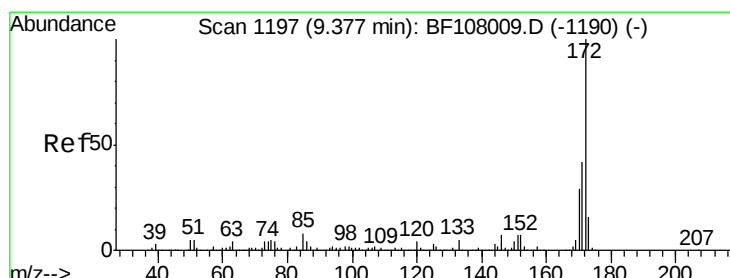
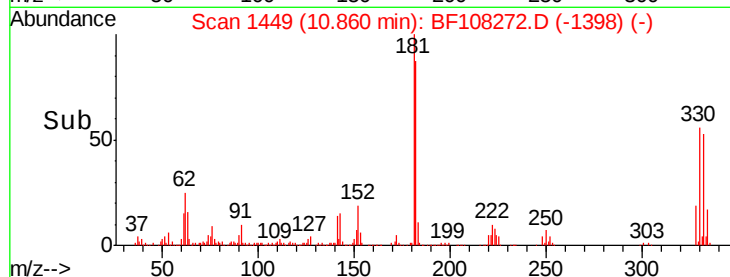
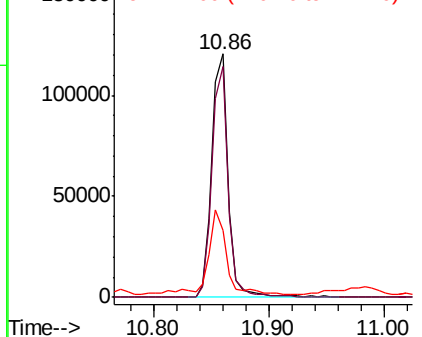


Abundance

Ion 329.80 (329.50 to 330.50): E

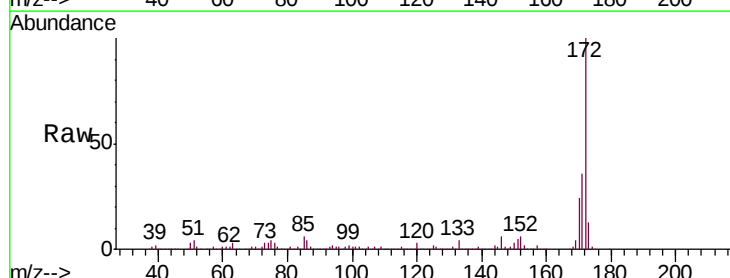
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 47.483 ng
 RT: 9.37 min Scan# 1196
 Delta R.T. -0.01 min
 Lab File: BF108272.D
 Acq: 18 Aug 2018 5:04

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.2	29.7	44.5
170	24.1	19.6	29.4

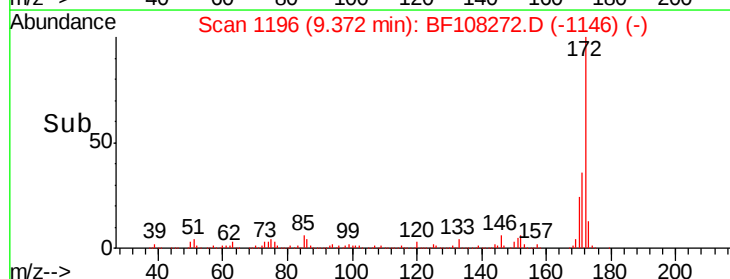
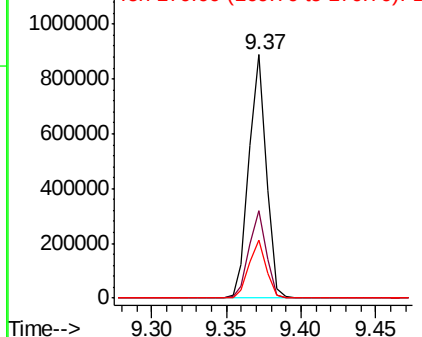


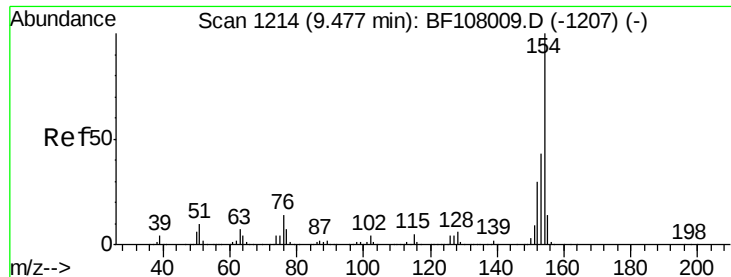
Abundance

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

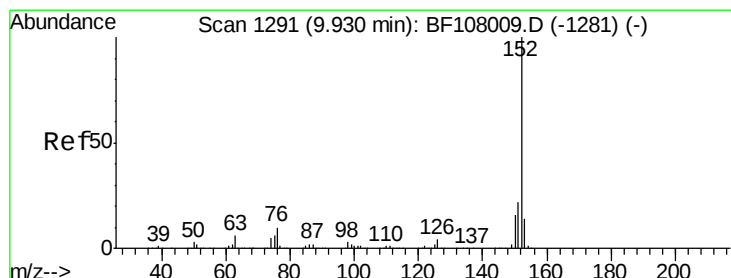
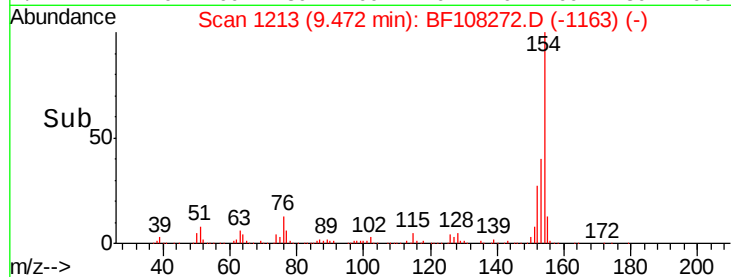
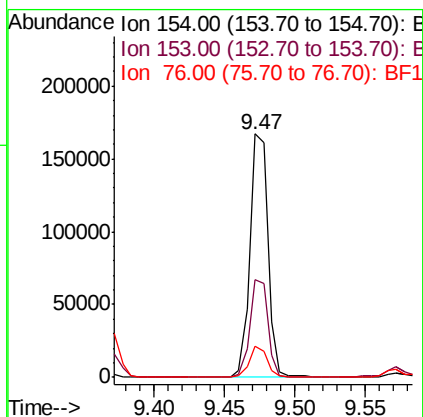
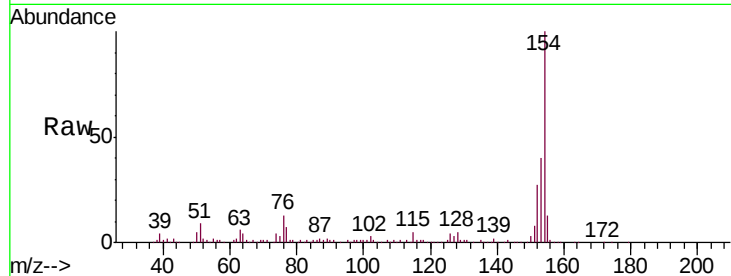




#45
 1,1'-Biphenyl
 Concen: 8.472 ng
 RT: 9.47 min Scan# 1213
 Delta R.T. -0.01 min
 Lab File: BF108272.D
 Acq: 18 Aug 2018 5:04

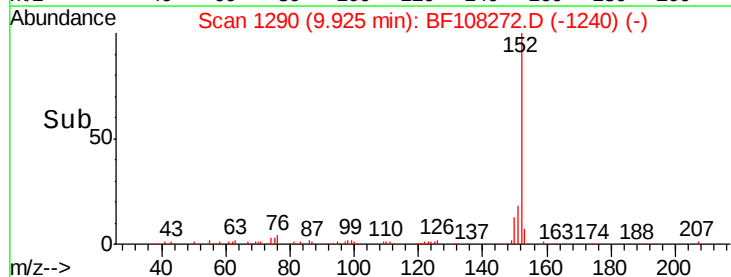
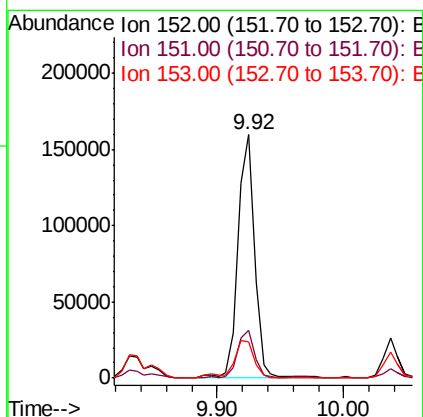
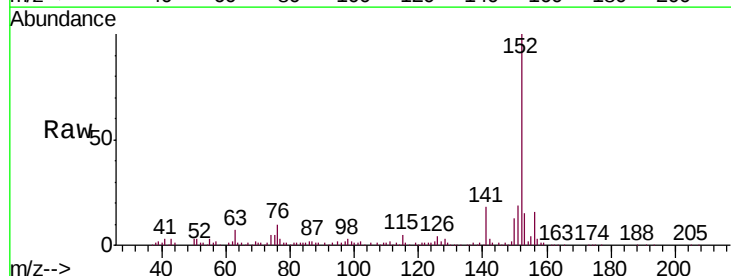
Instrument :
 BNA_F
 ClientSampleId :
 RA-081518-NSW-45-029

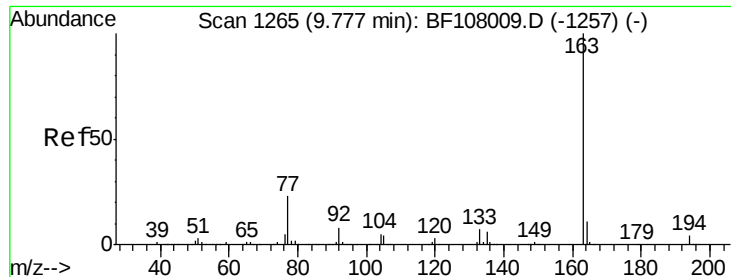
Tgt Ion	Ratio	Lower	Upper
154	100		
153	40.0	21.3	61.3
76	12.7	0.0	34.0



#48
 Acenaphthylene
 Concen: 6.487 ng
 RT: 9.92 min Scan# 1290
 Delta R.T. -0.01 min
 Lab File: BF108272.D
 Acq: 18 Aug 2018 5:04

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.4	16.3	24.5
153	14.9	10.7	16.1

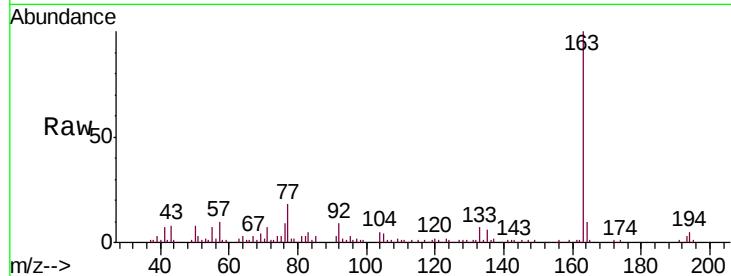




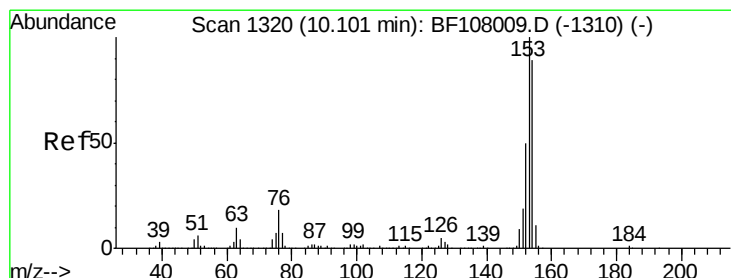
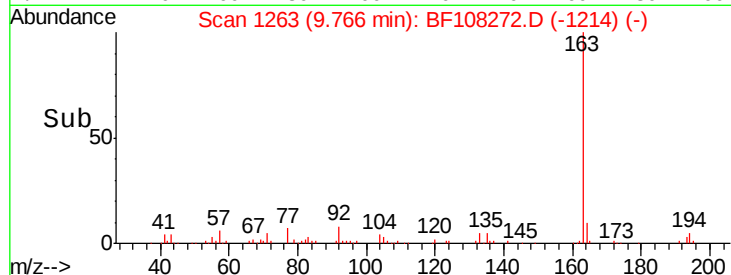
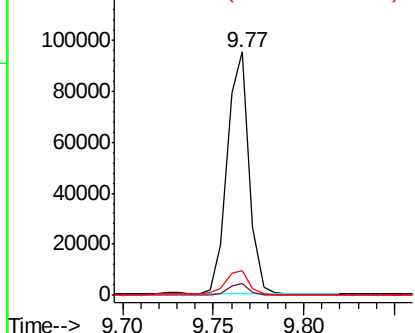
#49
Dimethylphthalate
Concen: 4.717 ng
RT: 9.77 min Scan# 1263
Delta R.T. -0.01 min
Lab File: BF108272.D
Acq: 18 Aug 2018 5:04

Instrument :
BNA_F
ClientSampleId :
RA-081518-NSW-45-029

Tgt Ion:163 Resp: 79444
Ion Ratio Lower Upper
163 100
194 5.0 2.7 4.1#
164 10.1 8.2 12.2

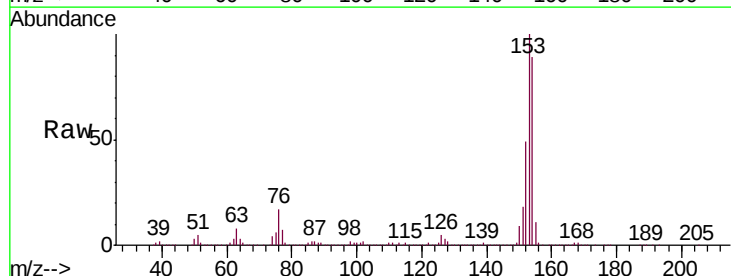


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

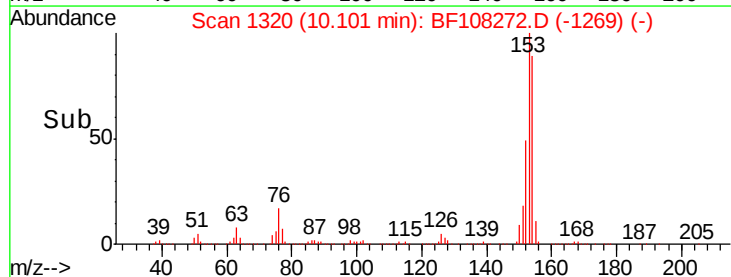
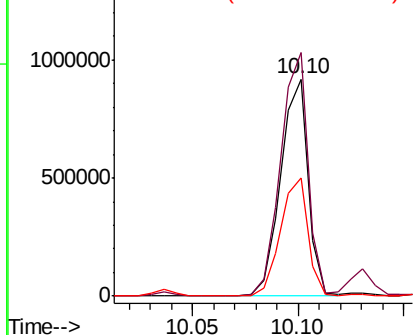


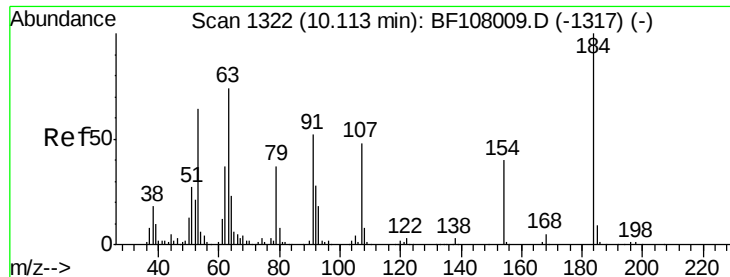
#51
Acenaphthene
Concen: 60.945 ng
RT: 10.10 min Scan# 1320
Delta R.T. 0.00 min
Lab File: BF108272.D
Acq: 18 Aug 2018 5:04

Tgt Ion:154 Resp: 831534
Ion Ratio Lower Upper
154 100
153 112.3 91.2 136.8
152 54.8 43.8 65.8



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

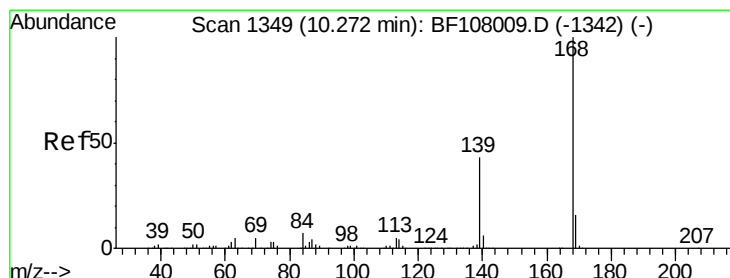
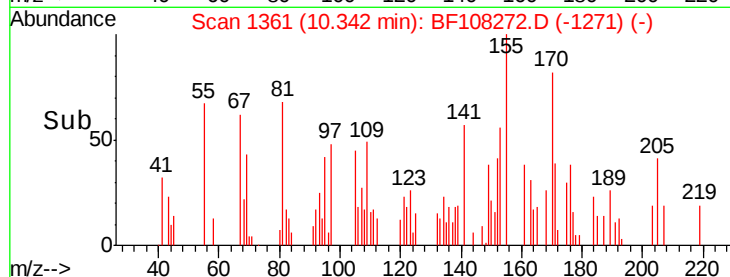
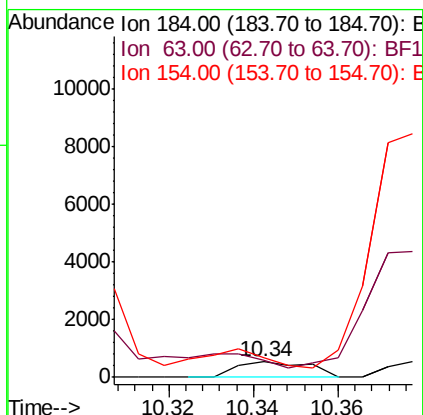
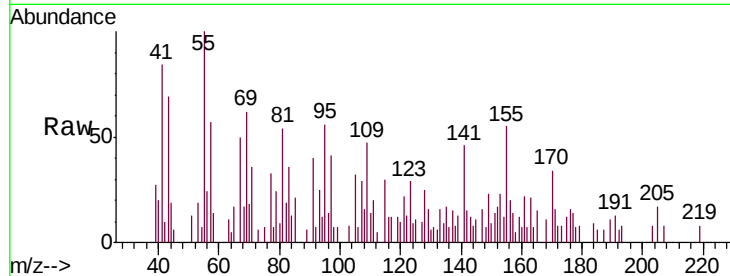




#53
2,4-Dinitrophenol
Concen: 7.463 ng
RT: 10.34 min Scan# 1361
Delta R.T. 0.23 min
Lab File: BF108272.D
Acq: 18 Aug 2018 5:04

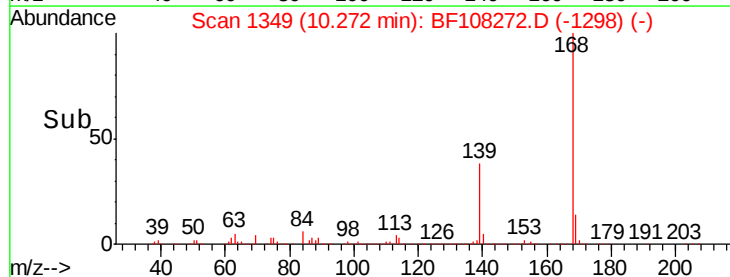
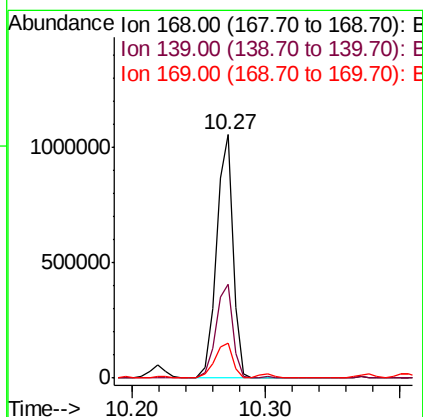
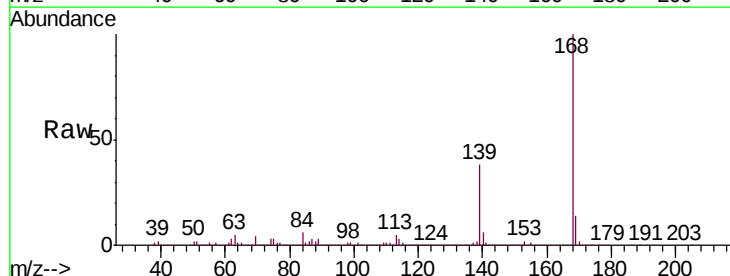
Instrument :
BNA_F
ClientSampleId :
RA-081518-NSW-45-029

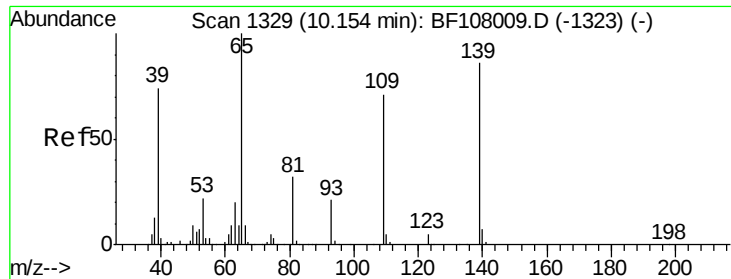
Tgt Ion:184 Resp: 640
Ion Ratio Lower Upper
184 100
63 112.0 54.2 81.2#
154 125.0 184.0 276.0#



#54
Dibenzofuran
Concen: 46.731 ng
RT: 10.27 min Scan# 1349
Delta R.T. 0.00 min
Lab File: BF108272.D
Acq: 18 Aug 2018 5:04

Tgt Ion:168 Resp: 923728
Ion Ratio Lower Upper
168 100
139 38.5 30.1 45.1
169 14.3 10.9 16.3

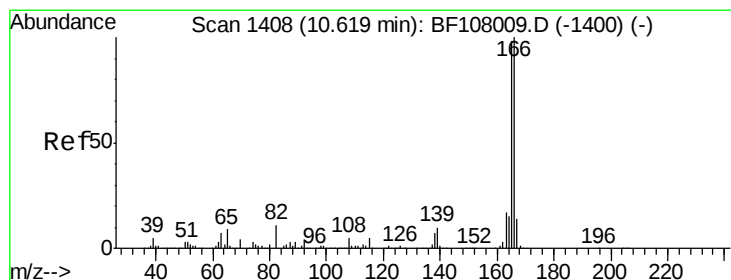
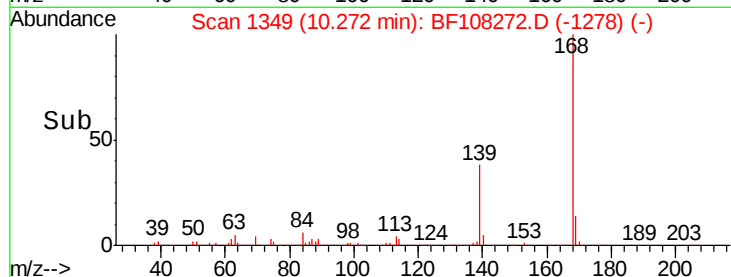
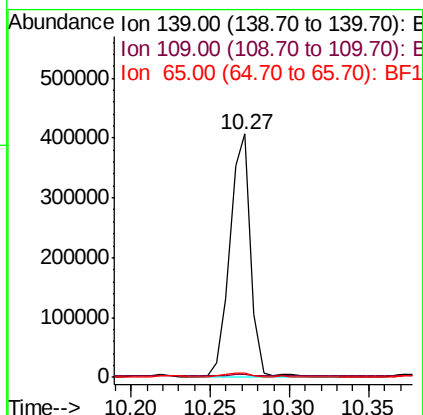
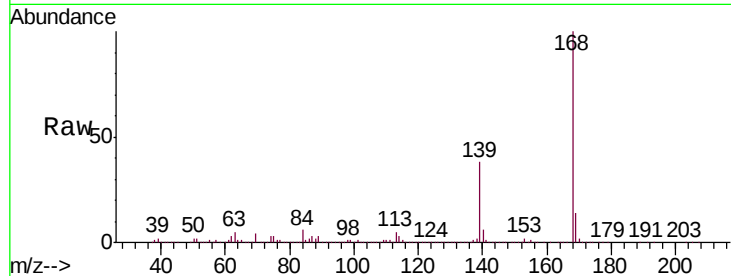




#55
4-Nitrophenol
Concen: 126.036 ng
RT: 10.27 min Scan# 1349
Delta R.T. 0.12 min
Lab File: BF108272.D
Acq: 18 Aug 2018 5:04

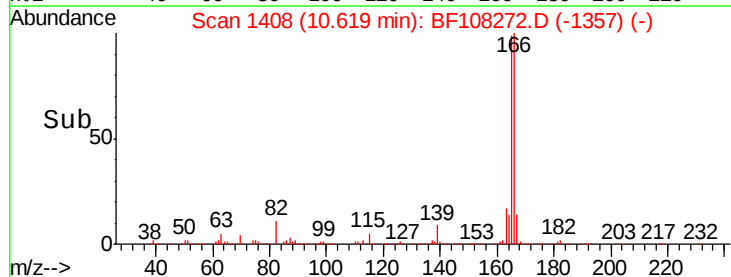
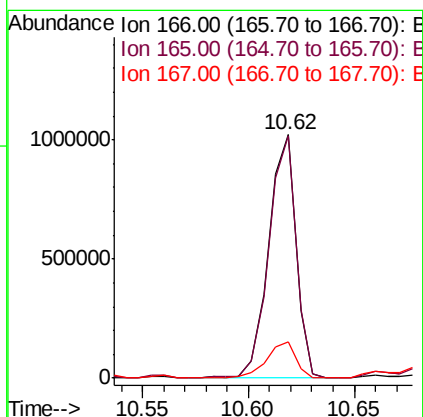
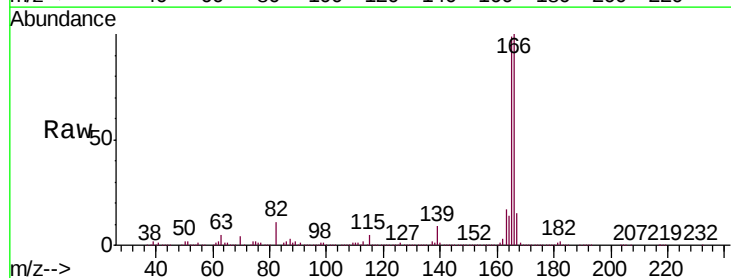
Instrument :
BNA_F
ClientSampleId :
RA-081518-NSW-45-029

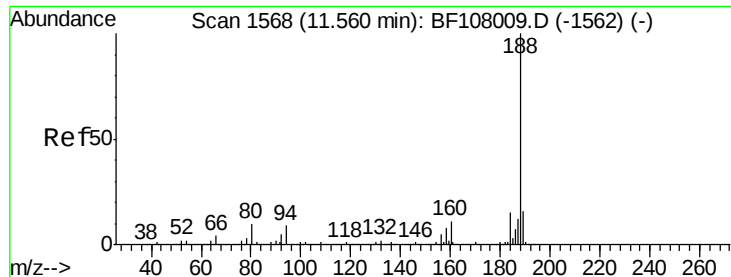
Tgt Ion	Ratio	Lower	Upper
139	100		
109	1.4	48.4	88.4#
65	1.6	72.6	112.6#



#57
Fluorene
Concen: 58.864 ng
RT: 10.62 min Scan# 1408
Delta R.T. 0.00 min
Lab File: BF108272.D
Acq: 18 Aug 2018 5:04

Tgt Ion	Ratio	Lower	Upper
166	100		
165	99.4	79.8	119.8
167	14.7	10.6	16.0

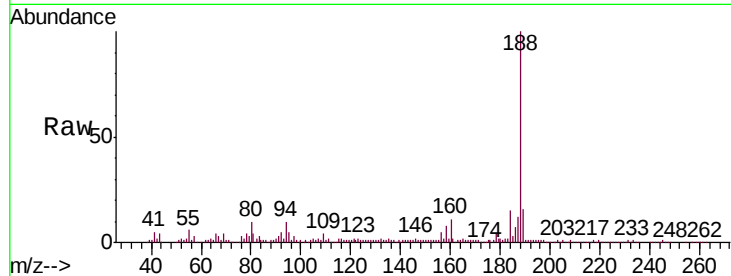




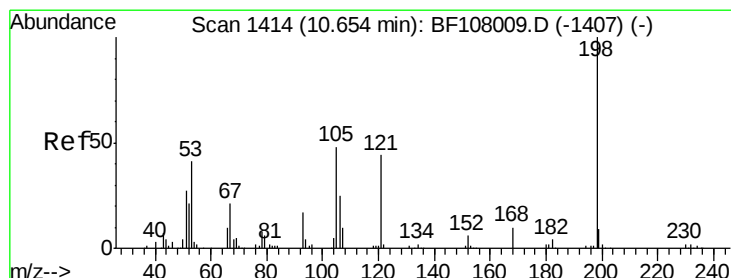
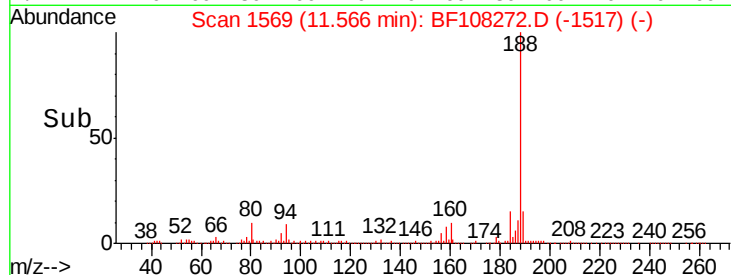
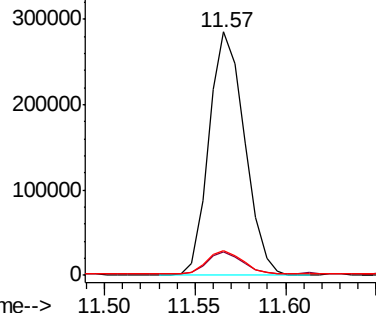
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.57 min Scan# 1569
Delta R.T. 0.01 min
Lab File: BF108272.D
Acq: 18 Aug 2018 5:04

Instrument :
BNA_F
ClientSampleId :
RA-081518-NSW-45-029

Tgt Ion:188 Resp: 389101
Ion Ratio Lower Upper
188 100
94 9.6 8.5 12.7
80 10.0 9.2 13.8

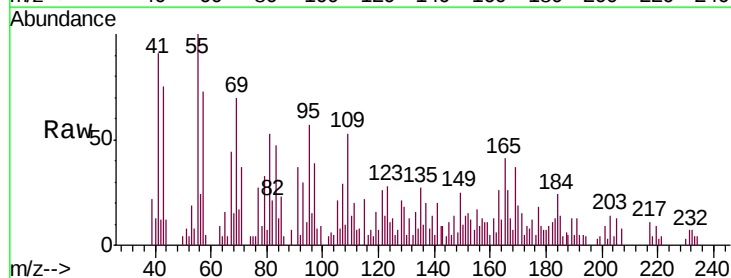


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

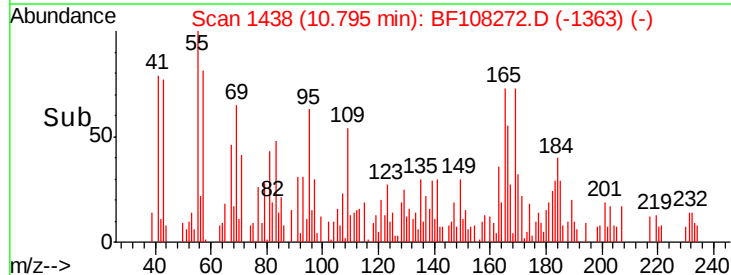
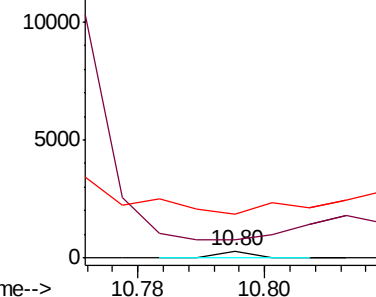


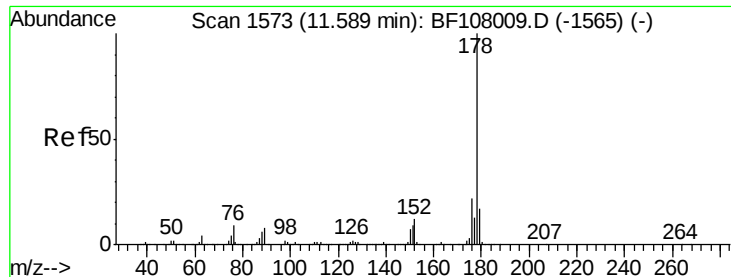
#64
4,6-Dinitro-2-methylphenol
Concen: 5.425 ng
RT: 10.80 min Scan# 1438
Delta R.T. 0.14 min
Lab File: BF108272.D
Acq: 18 Aug 2018 5:04

Tgt Ion:198 Resp: 110
Ion Ratio Lower Upper
198 100
51 244.4 37.7 77.7#
105 598.1 36.3 76.3#



Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF1
Ion 105.00 (104.70 to 105.70): E





#70

Phenanthrene

Concen: 106.149 ng

RT: 11.65 min Scan# 1583

Delta R.T. 0.06 min

Lab File: BF108272.D

Acq: 18 Aug 2018 5:04

Instrument :

BNA_F

ClientSampleId :

RA-081518-NSW-45-029

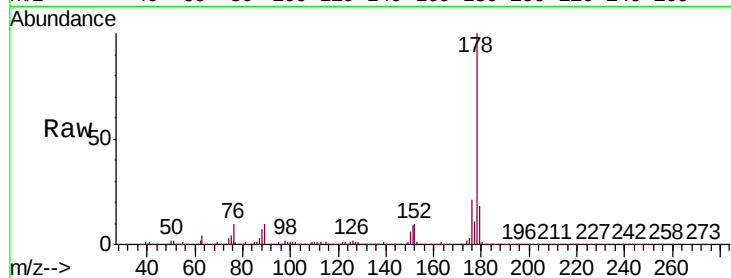
Tgt Ion:178 Resp: 1948109

Ion Ratio Lower Upper

178 100

176 20.6 15.8 23.8

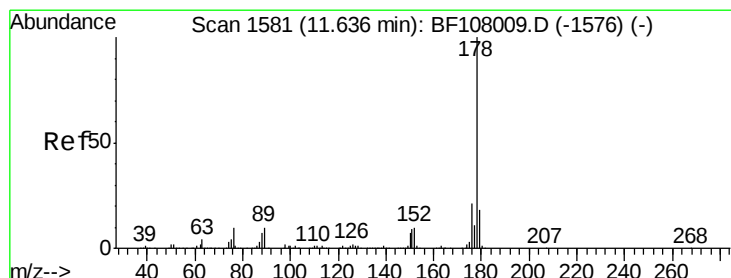
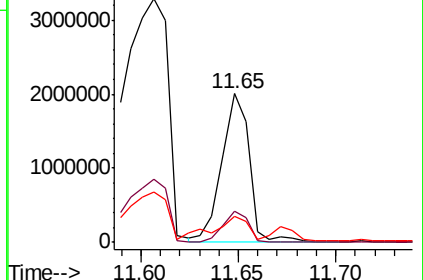
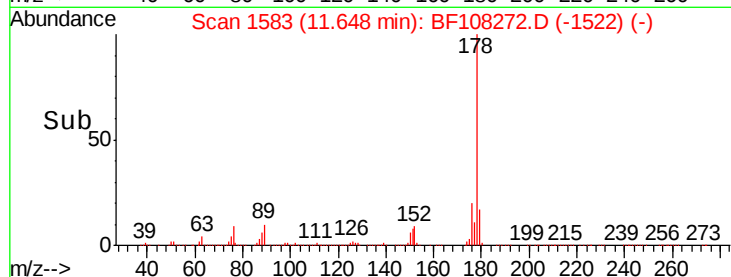
179 17.5 13.0 19.6



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



#71

Anthracene

Concen: 103.568 ng

RT: 11.65 min Scan# 1583

Delta R.T. 0.01 min

Lab File: BF108272.D

Acq: 18 Aug 2018 5:04

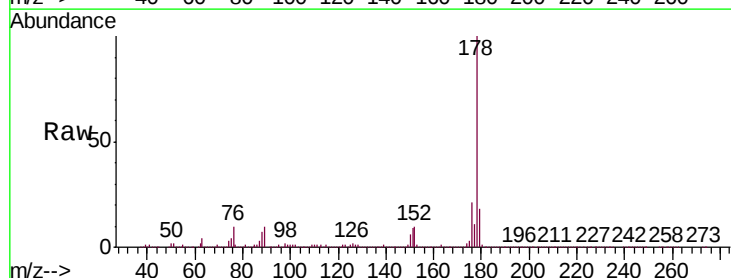
Tgt Ion:178 Resp: 1948109

Ion Ratio Lower Upper

178 100

176 20.6 15.4 23.2

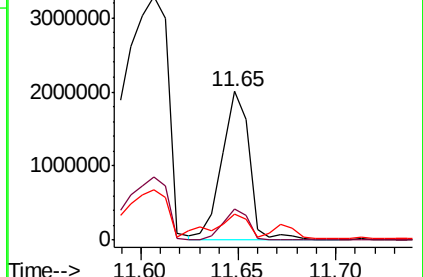
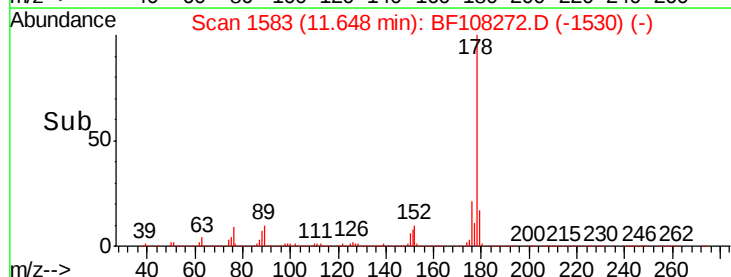
179 17.5 12.6 19.0

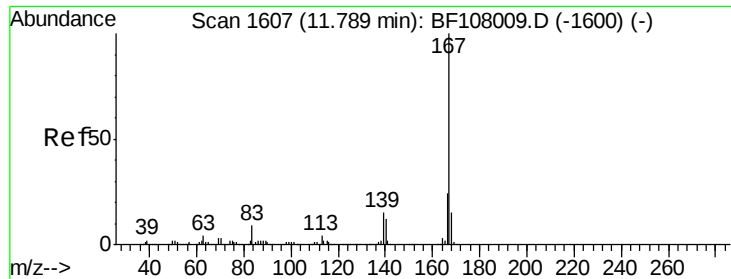


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

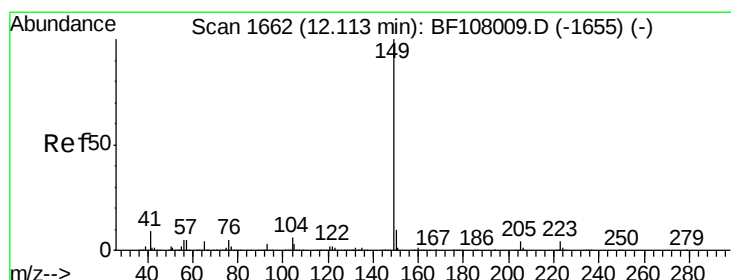
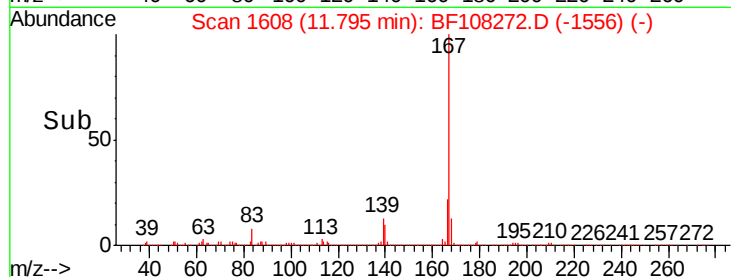
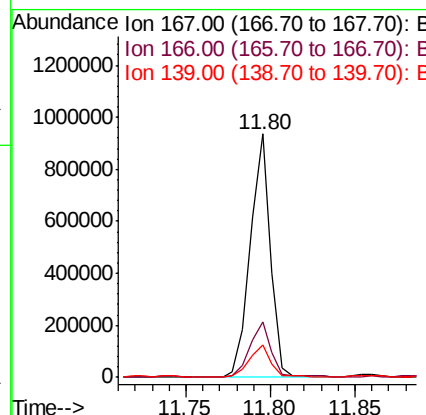
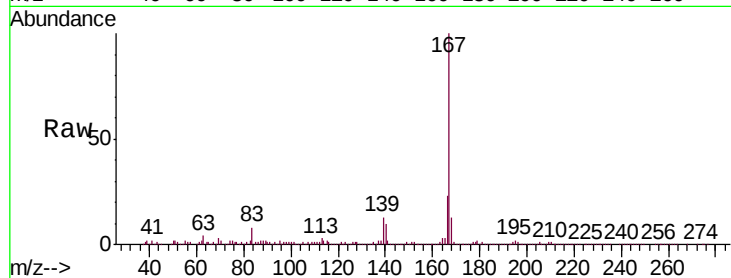




#72
 Carbazole
 Concen: 46.510 ng
 RT: 11.80 min Scan# 1608
 Delta R.T. 0.01 min
 Lab File: BF108272.D
 Acq: 18 Aug 2018 5:04

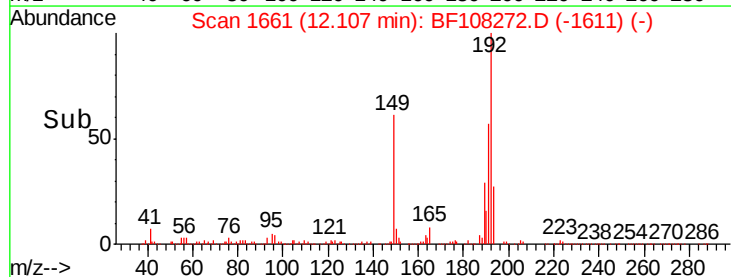
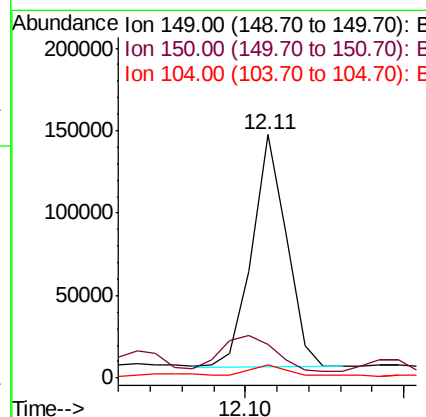
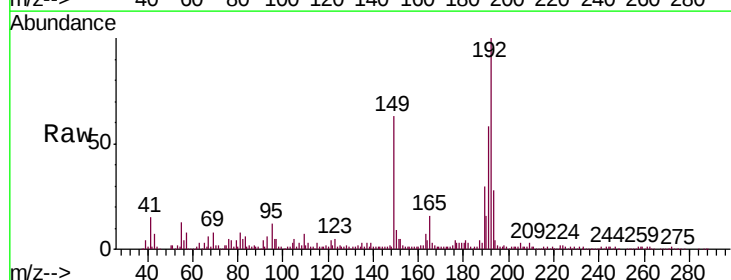
Instrument :
 BNA_F
 ClientSampleId :
 RA-081518-NSW-45-029

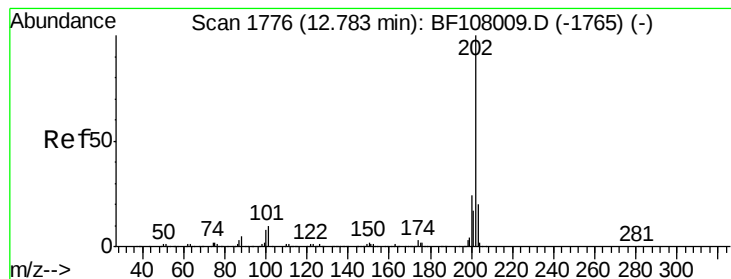
Tgt Ion	Ratio	Lower	Upper
167	100		
166	22.5	17.6	26.4
139	13.2	10.9	16.3



#73
 Di-n-butylphthalate
 Concen: 5.648 ng
 RT: 12.11 min Scan# 1661
 Delta R.T. -0.01 min
 Lab File: BF108272.D
 Acq: 18 Aug 2018 5:04

Tgt Ion	Ratio	Lower	Upper
149	100		
150	13.8	7.8	11.6#
104	5.4	3.8	5.8





#74

Fluoranthene

Concen: 274.994 ng

RT: 12.81 min Scan# 1781

Delta R.T. 0.03 min

Lab File: BF108272.D

Acq: 18 Aug 2018 5:04

Instrument :

BNA_F

ClientSampleId :

RA-081518-NSW-45-029

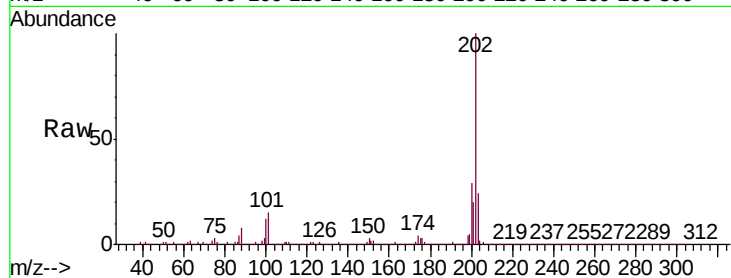
Tgt Ion:202 Resp: 5508003

Ion Ratio Lower Upper

202 100

101 15.4 0.0 34.1

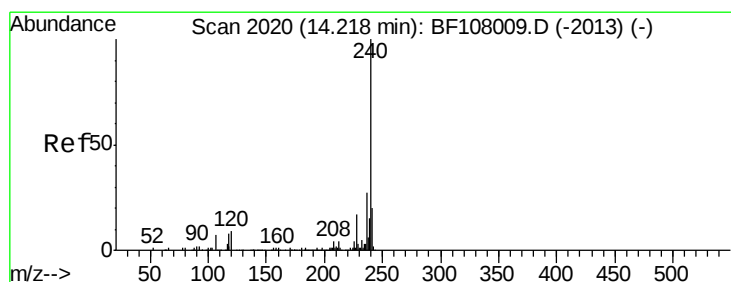
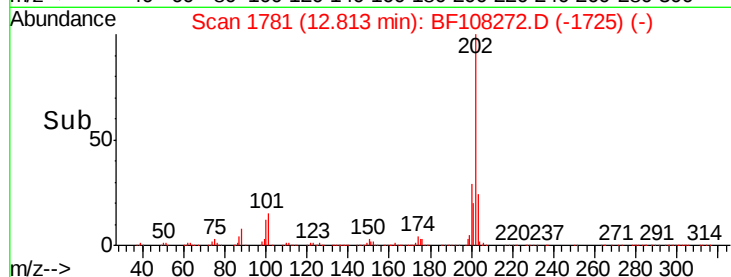
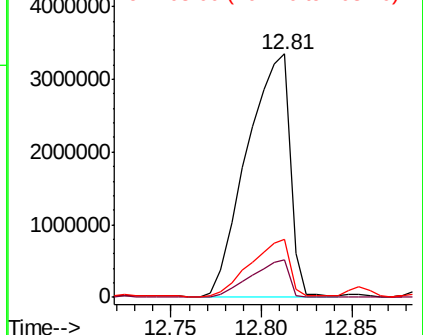
203 23.8 0.0 38.1



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



#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.24 min Scan# 2024

Delta R.T. 0.02 min

Lab File: BF108272.D

Acq: 18 Aug 2018 5:04

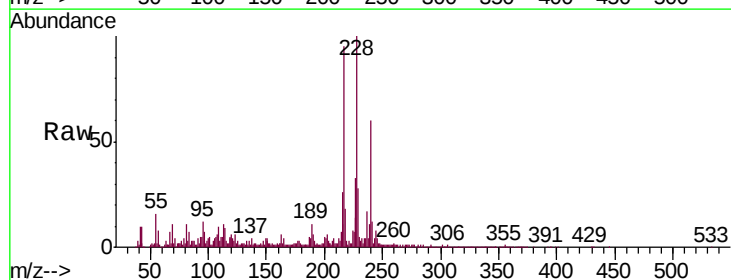
Tgt Ion:240 Resp: 302160

Ion Ratio Lower Upper

240 100

120 10.4 9.5 14.3

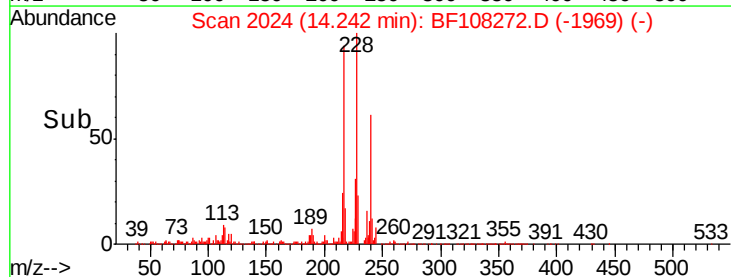
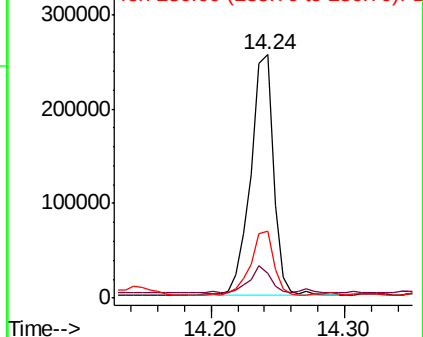
236 27.7 20.7 31.1

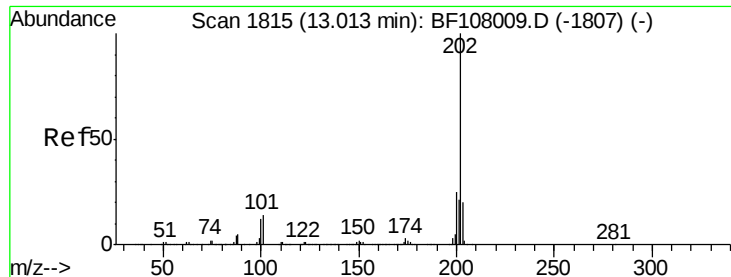


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

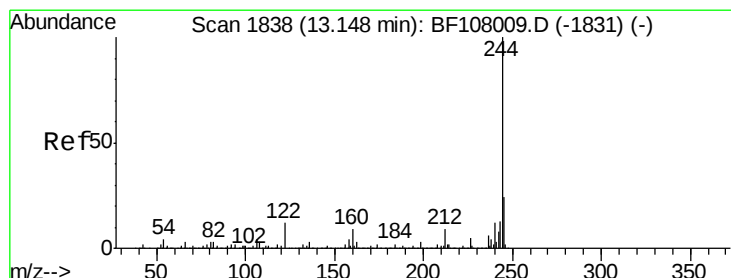
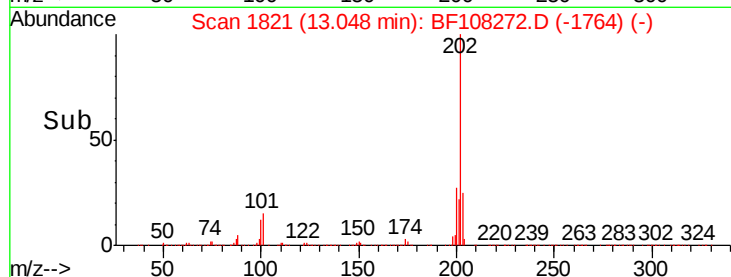
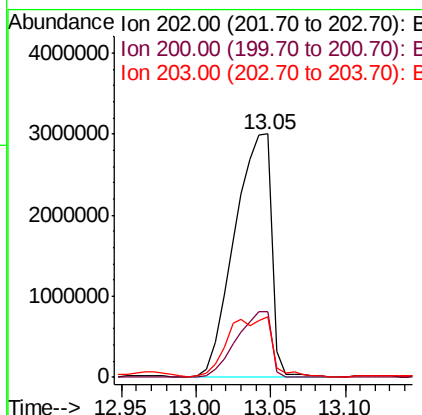
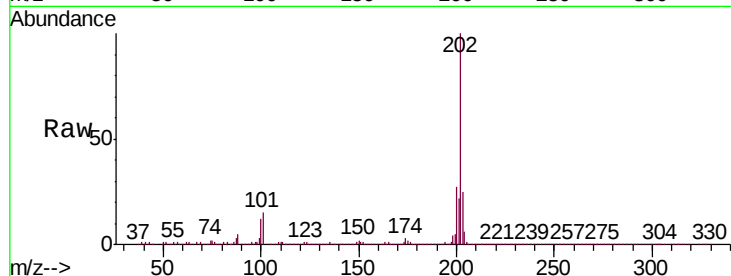




#77
 Pyrene
 Concen: 268.490 ng
 RT: 13.05 min Scan# 1821
 Delta R.T. 0.04 min
 Lab File: BF108272.D
 Acq: 18 Aug 2018 5:04

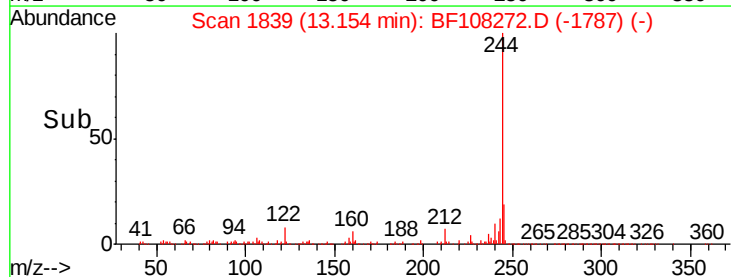
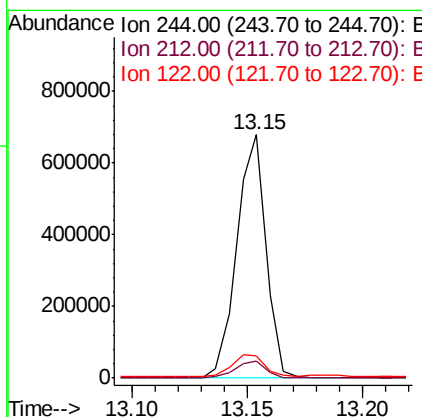
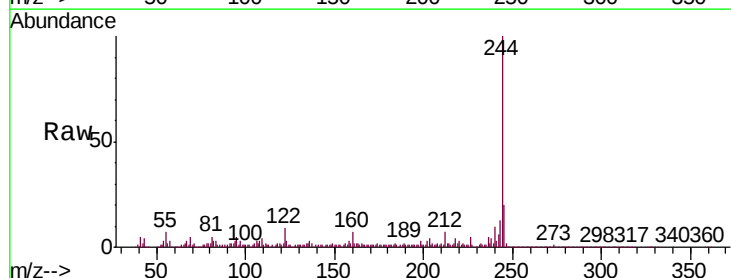
Instrument :
 BNA_F
 ClientSampleId :
 RA-081518-NSW-45-029

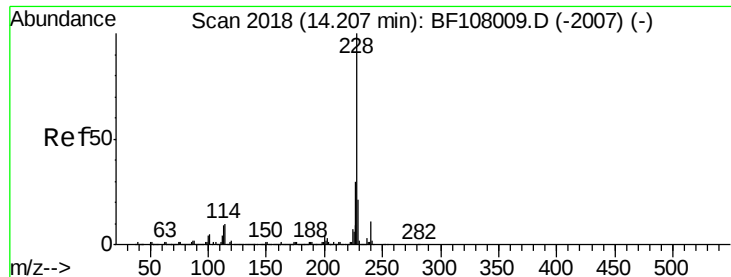
Tgt Ion:202 Resp: 5136171
 Ion Ratio Lower Upper
 202 100
 200 27.0 17.4 26.2#
 203 25.1 14.3 21.5#



#78
 Terphenyl-d14
 Concen: 50.007 ng
 RT: 13.15 min Scan# 1839
 Delta R.T. 0.01 min
 Lab File: BF108272.D
 Acq: 18 Aug 2018 5:04

Tgt Ion:244 Resp: 594283
 Ion Ratio Lower Upper
 244 100
 212 7.2 5.4 8.0
 122 9.1 11.0 16.4#





#80

Benzo(a)anthracene

Concen: 163.484 ng

RT: 14.23 min Scan# 2022

Delta R.T. 0.02 min

Lab File: BF108272.D

Acq: 18 Aug 2018 5:04

Instrument :

BNA_F

ClientSampleId :

RA-081518-NSW-45-029

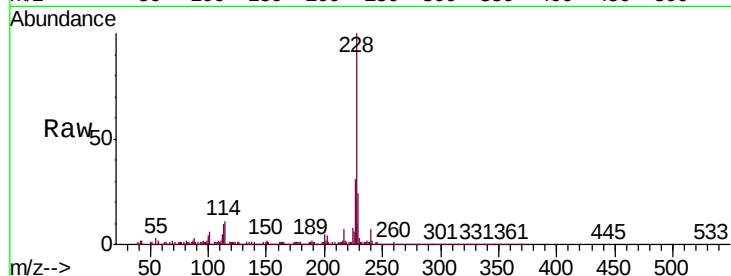
Tgt Ion:228 Resp: 2834965

Ion Ratio Lower Upper

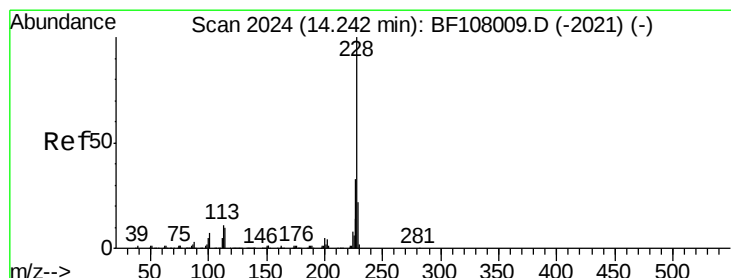
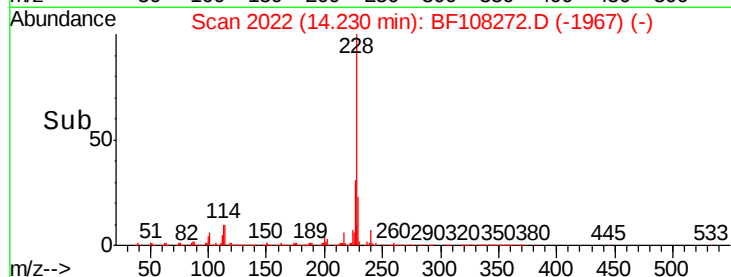
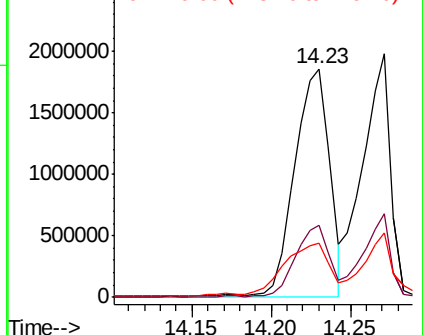
228 100

226 31.3 22.6 33.8

229 23.5 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: 178.322 ng

RT: 14.23 min Scan# 2022

Delta R.T. -0.01 min

Lab File: BF108272.D

Acq: 18 Aug 2018 5:04

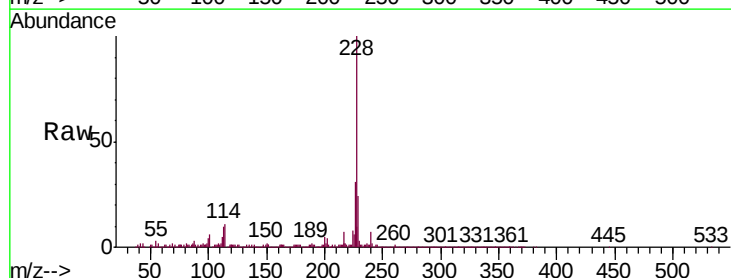
Tgt Ion:228 Resp: 2834965

Ion Ratio Lower Upper

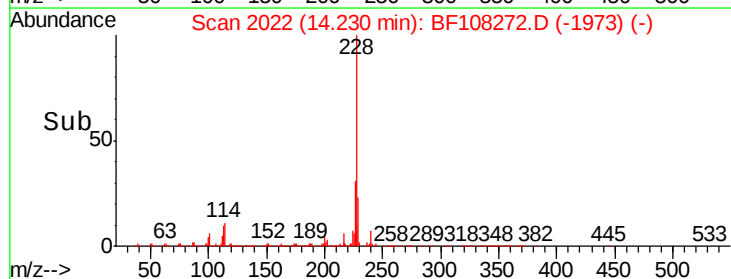
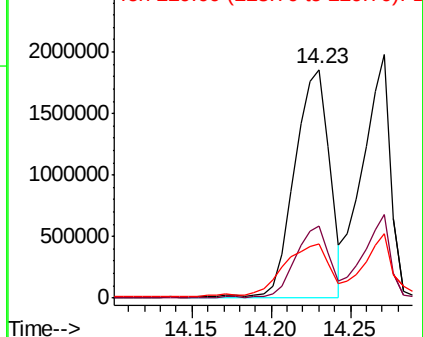
228 100

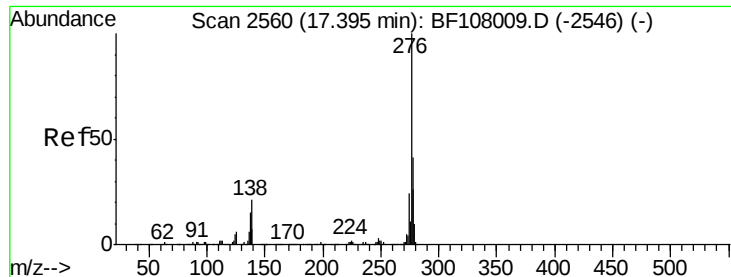
226 31.3 25.0 37.6

229 23.5 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

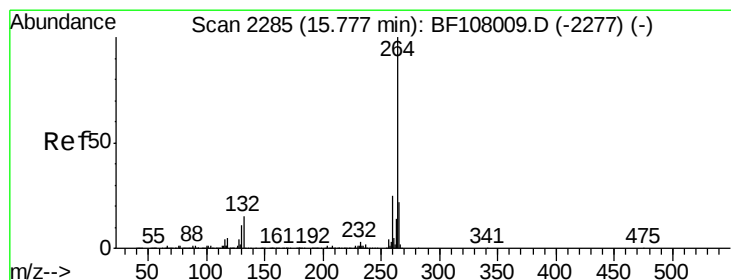
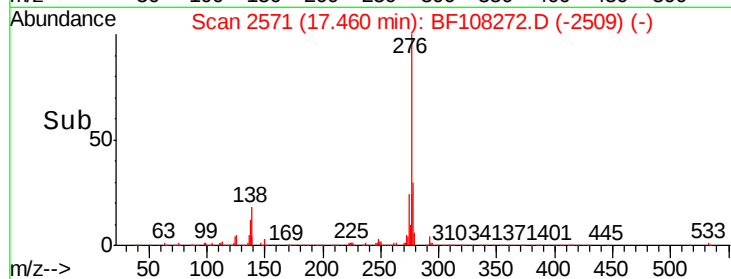
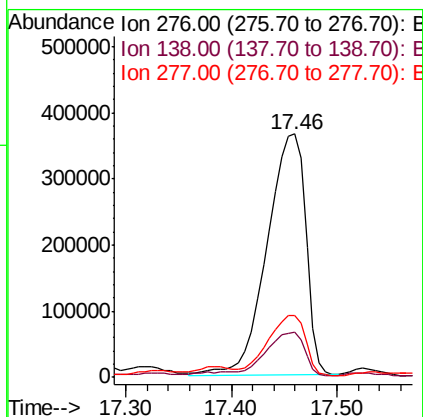
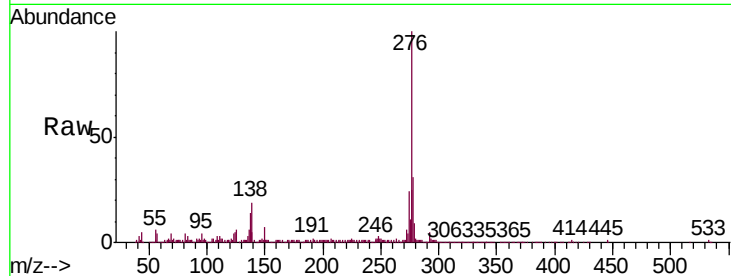




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 66.993 ng
 RT: 17.46 min Scan# 2571
 Delta R.T. 0.06 min
 Lab File: BF108272.D
 Acq: 18 Aug 2018 5:04

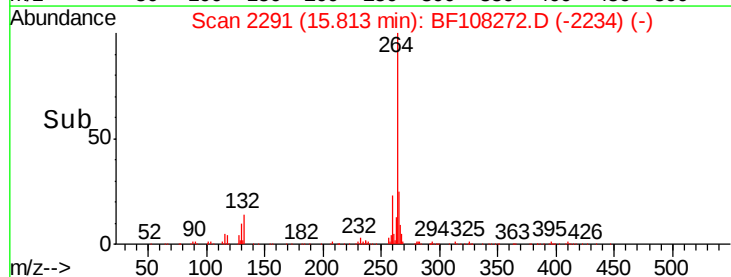
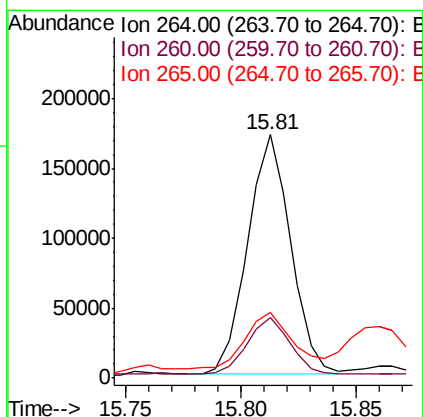
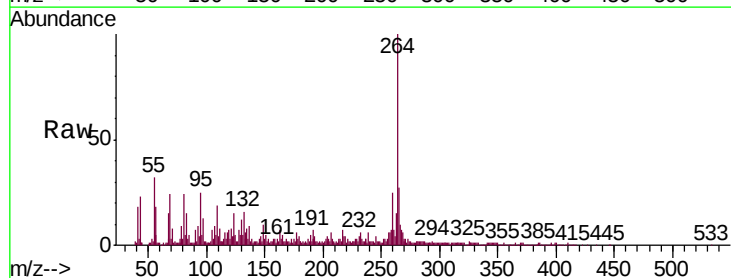
Instrument :
 BNA_F
 ClientSampleId :
 RA-081518-NSW-45-029

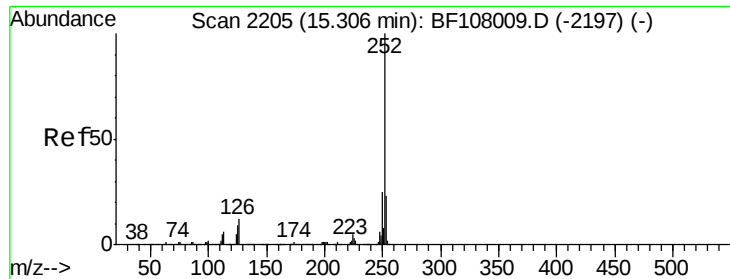
Tgt Ion	Ratio	Lower	Upper
276	100		
138	17.8	25.0	37.6#
277	24.7	20.1	30.1



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.81 min Scan# 2291
 Delta R.T. 0.04 min
 Lab File: BF108272.D
 Acq: 18 Aug 2018 5:04

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.0	19.2	28.8
265	26.9	17.5	26.3#

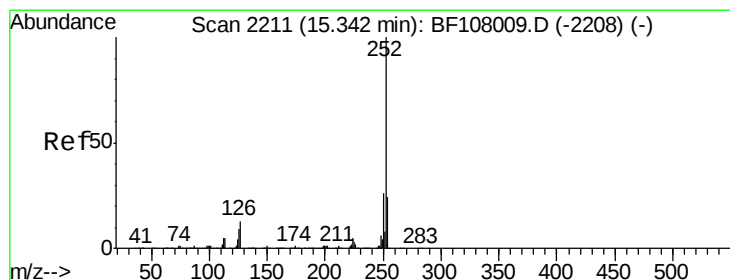
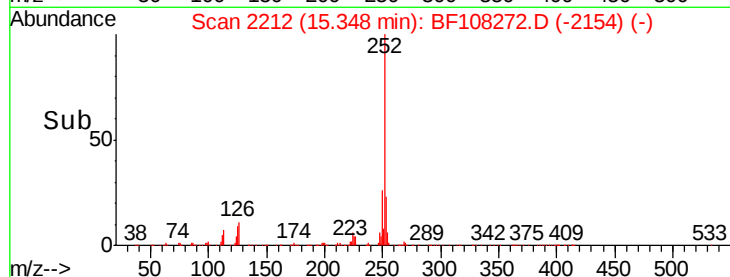
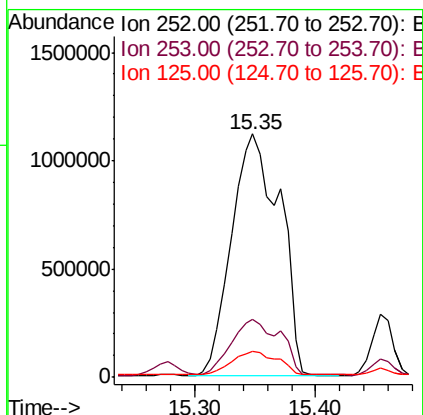
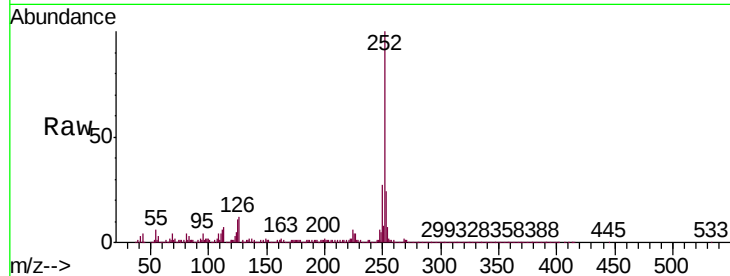




#87
Benzo(b)fluoranthene
Concen: 231.959 ng
RT: 15.35 min Scan# 2212
Delta R.T. 0.04 min
Lab File: BF108272.D
Acq: 18 Aug 2018 5:04

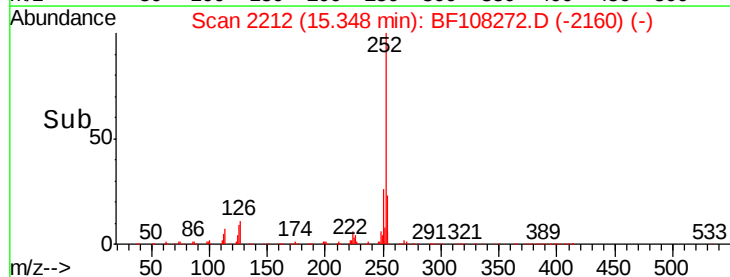
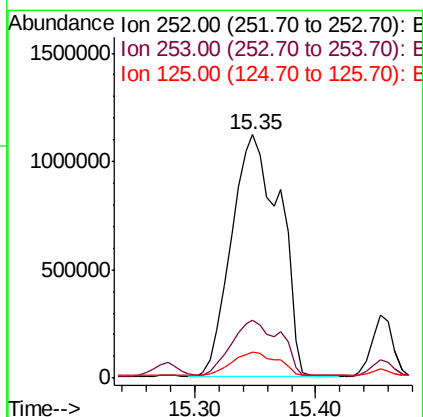
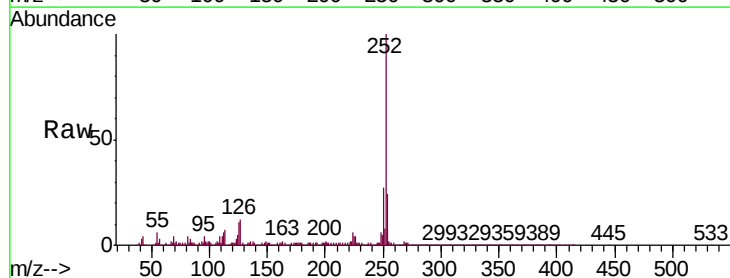
Instrument :
BNA_F
ClientSampleId :
RA-081518-NSW-45-029

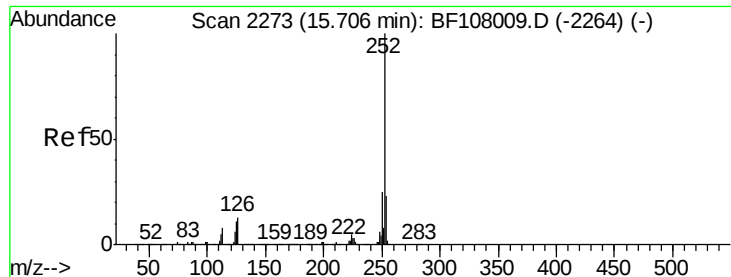
Tgt Ion:252 Resp: 3102690
Ion Ratio Lower Upper
252 100
253 23.7 17.0 25.6
125 10.5 9.0 13.6



#88
Benzo(k)fluoranthene
Concen: 252.337 ng
RT: 15.35 min Scan# 2212
Delta R.T. 0.01 min
Lab File: BF108272.D
Acq: 18 Aug 2018 5:04

Tgt Ion:252 Resp: 3102690
Ion Ratio Lower Upper
252 100
253 23.7 17.9 26.9
125 10.5 10.2 15.2





#89

Benzo(a)pyrene

Concen: 132.851 ng

RT: 15.75 min Scan# 2281

Delta R.T. 0.05 min

Lab File: BF108272.D

Acq: 18 Aug 2018 5:04

Instrument :

BNA_F

ClientSampleId :

RA-081518-NSW-45-029

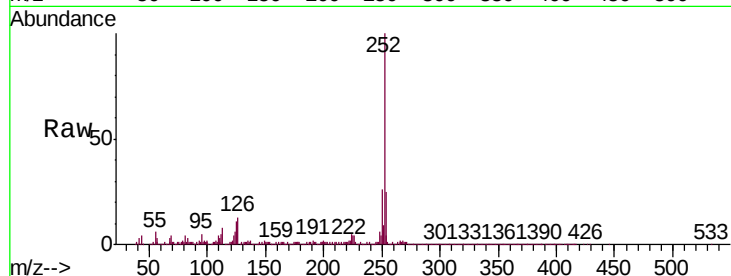
Tgt Ion:252 Resp: 1591268

Ion Ratio Lower Upper

252 100

253 25.0 17.1 25.7

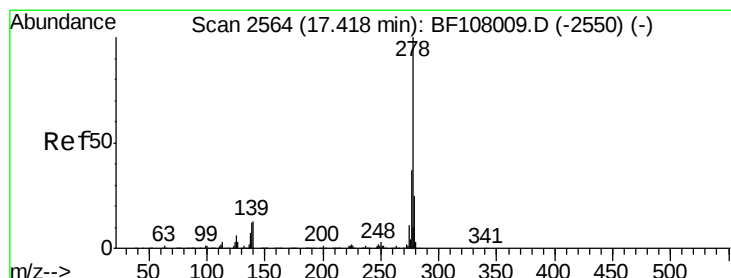
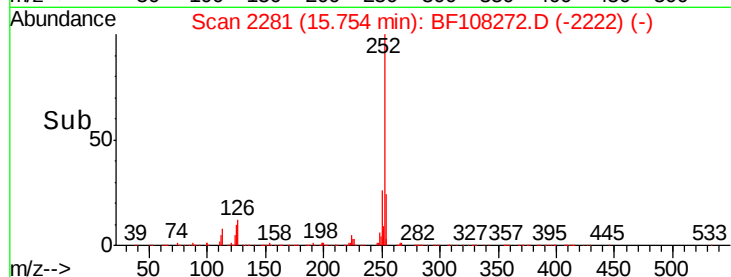
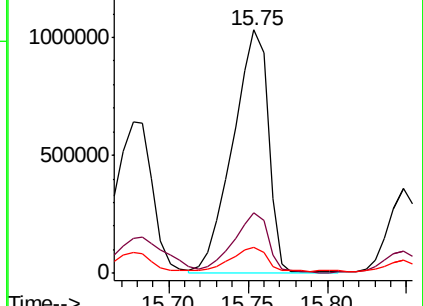
125 10.7 9.8 14.6



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: 23.676 ng

RT: 17.46 min Scan# 2571

Delta R.T. 0.04 min

Lab File: BF108272.D

Acq: 18 Aug 2018 5:04

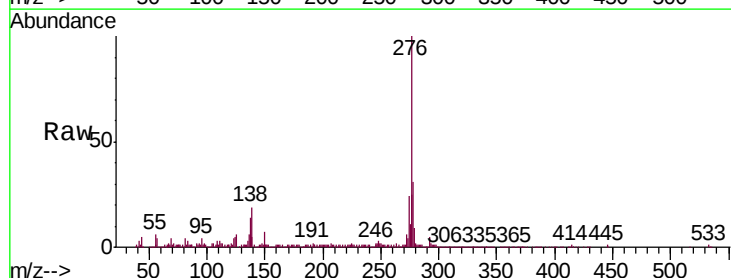
Tgt Ion:278 Resp: 234643

Ion Ratio Lower Upper

278 100

139 16.8 15.9 23.9

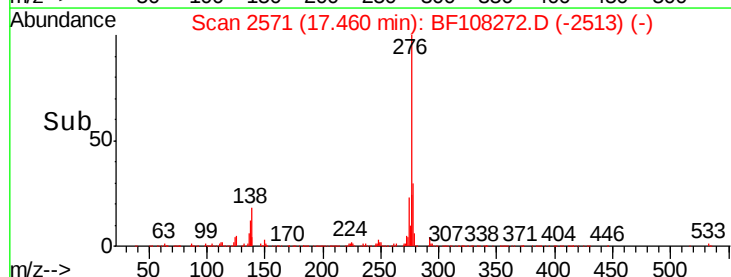
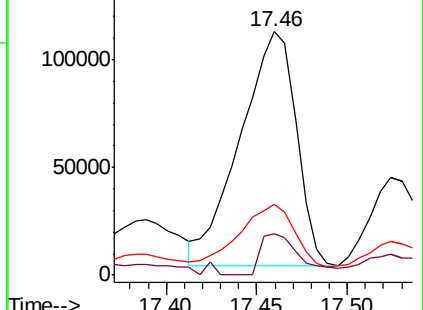
279 29.3 19.0 28.4#

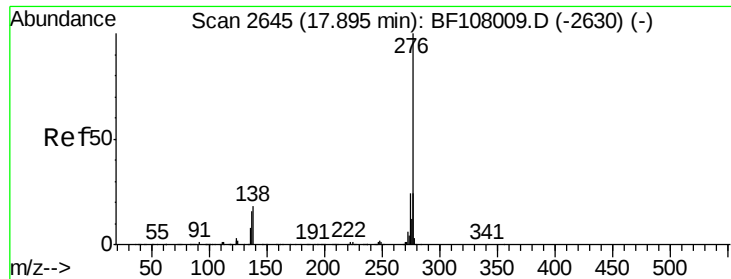


Abundance Ion 278.00 (277.70 to 278.70): E

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: 86.278 ng

RT: 17.96 min Scan# 2656

Delta R.T. 0.06 min

Lab File: BF108272.D

Acq: 18 Aug 2018 5:04

Instrument :

BNA_F

ClientSampleId :

RA-081518-NSW-45-029

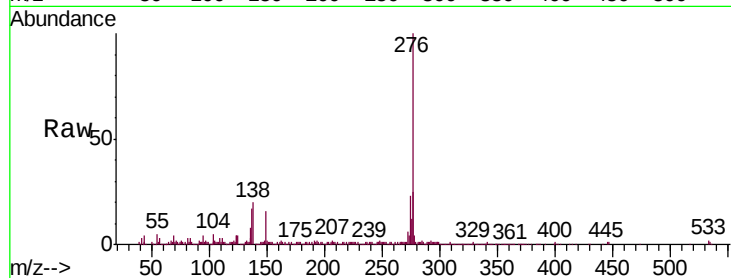
Tgt Ion: 276 Resp: 841962

Ion Ratio Lower Upper

276 100

277 24.8 17.9 26.9

138 19.7 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

