

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF080918\
 Data File : BF108076.D
 Acq On : 10 Aug 2018 9:10
 Operator : JU/SJ
 Sample : J4388-07DL 10X
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CHA-1DL

Quant Time: Aug 10 10:50:53 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	296964	20.00	ng	0.00
21) Naphthalene-d8	8.30	136	1112014	20.00	ng	0.00
38) Acenaphthene-d10	10.07	164	518685	20.00	ng	0.00
63) Phenanthrene-d10	11.56	188	858311	20.00	ng	0.00
75) Chrysene-d12	14.22	240	717850	20.00	ng	0.00
86) Perylene-d12	15.78	264	551798	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	275547	16.80	ng	0.00
7) Phenol-d6	6.62	99	380305	17.45	ng	-0.01
23) Nitrobenzene-d5	7.57	82	228274	11.45	ng	0.00
41) 2,4,6-Tribromophenol	10.85	330	61470	11.88	ng	0.00
44) 2-Fluorobiphenyl	9.37	172	390667	12.09	ng	0.00
78) Terphenyl-d14	13.15	244	318690	11.29	ng	0.00

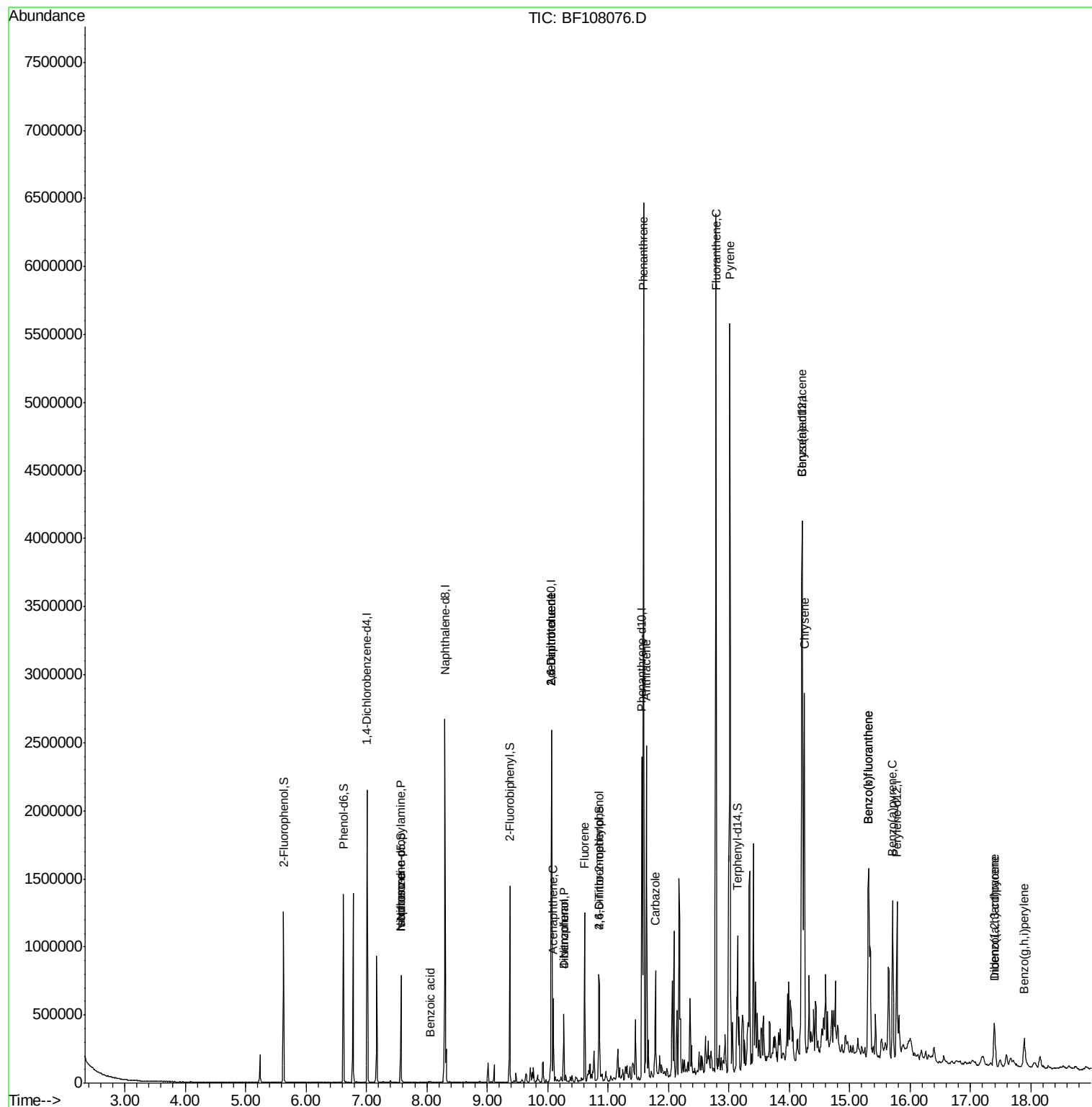
Target Compounds				Qvalue		
19) n-Nitroso-di-n-propylamine	7.57	70	30033	2.038	ng	# 82
25) Isophorone	7.57	82	228115	6.006	ng	# 64
32) Benzoic acid	8.06	122	1279	6.089	ng	# 30
50) 2,6-Dinitrotoluene	10.06	165	71123	9.409	ng	# 26
51) Acenaphthene	10.10	154	109482	3.741	ng	99
54) Dibenzofuran	10.27	168	167872	3.959	ng	100
55) 4-Nitrophenol	10.27	139	63488	10.137	ng	# 10
56) 2,4-Dinitrotoluene	10.06	165	71123	7.309	ng	# 23
57) Fluorene	10.61	166	300774	8.961	ng	99
64) 4,6-Dinitro-2-methylphenol	10.85	198	143	5.398	ng	# 1
70) Phenanthrene	11.59	178	2283440	56.404	ng	95
71) Anthracene	11.64	178	833051	20.077	ng	99
72) Carbazole	11.78	167	288104	7.815	ng	99
74) Fluoranthene	12.79	202	2756065	62.379	ng	94
77) Pyrene	13.02	202	2304332	50.703	ng	95
80) Benzo(a)anthracene	14.21	228	1281556	31.108	ng	97
82) Chrysene	14.25	228	1046228	27.700	ng	97
85) Indeno(1,2,3-cd)pyrene	17.39	276	230279	7.037	ng	# 89
87) Benzo(b)fluoranthene	15.31	252	1233840	37.421	ng	95
88) Benzo(k)fluoranthene	15.31	252	1233654	40.702	ng	# 96
89) Benzo(a)pyrene	15.71	252	585391	19.827	ng	96
90) Dibenz(a,h)anthracene	17.41	278	64744	2.650	ng	# 89
91) Benzo(g,h,i)perylene	17.89	276	182927	7.604	ng	# 93

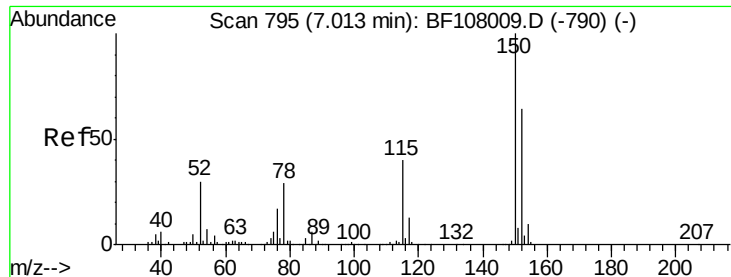
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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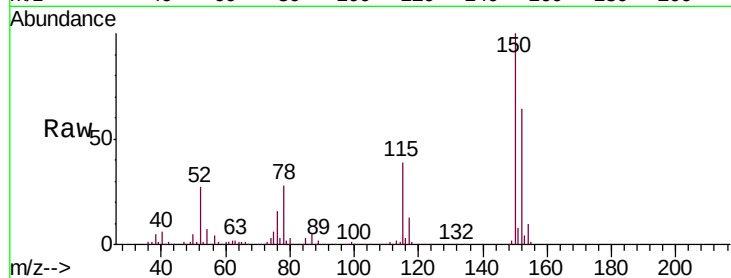


#1

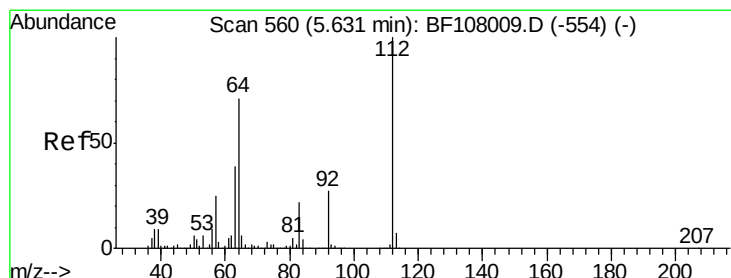
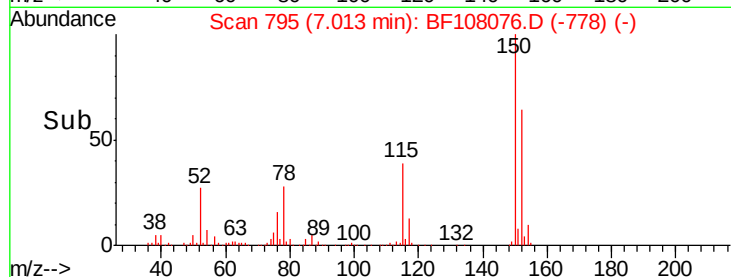
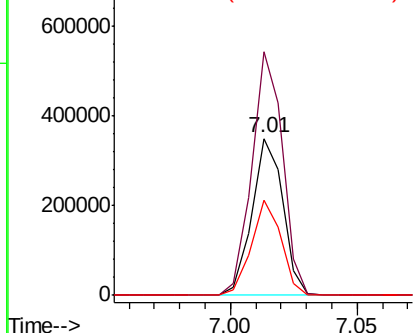
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.01 min Scan# 795
Delta R.T. 0.00 min
Lab File: BF108076.D
Acq: 10 Aug 2018 9:10

Instrument :
BNA_F
ClientSampleId :
CHA-1DL

Tgt Ion	Ratio	Lower	Upper
152	100		
150	155.2	124.6	186.8
115	60.9	50.1	75.1



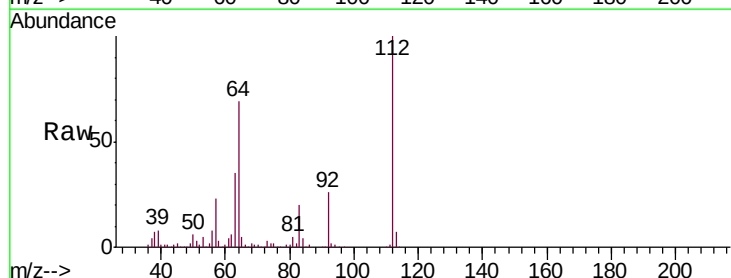
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



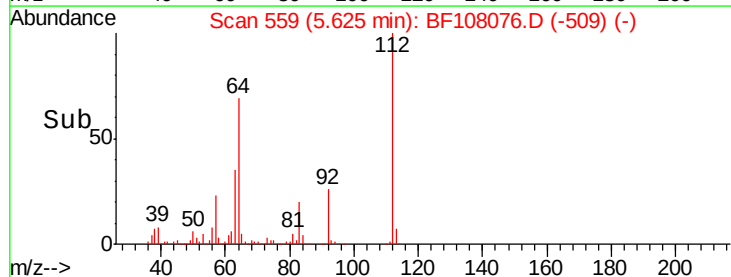
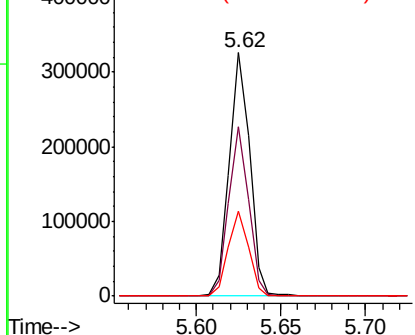
#5

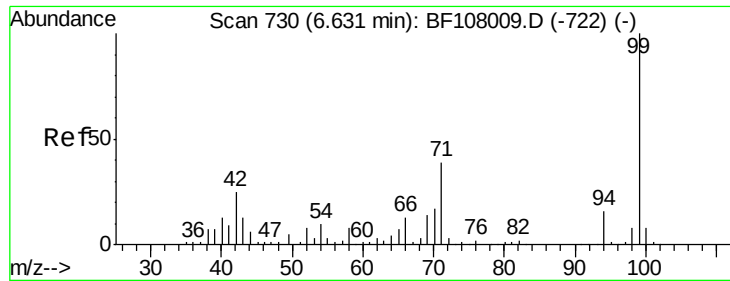
2-Fluorophenol
Concen: 16.799 ng
RT: 5.62 min Scan# 559
Delta R.T. -0.01 min
Lab File: BF108076.D
Acq: 10 Aug 2018 9:10

Tgt Ion	Ratio	Lower	Upper
112	100		
64	69.4	47.9	71.9
63	34.7	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: 17.448 ng

RT: 6.62 min Scan# 728

Delta R.T. -0.01 min

Lab File: BF108076.D

Acq: 10 Aug 2018 9:10

Instrument :

BNA_F

ClientSampleId :

CHA-1DL

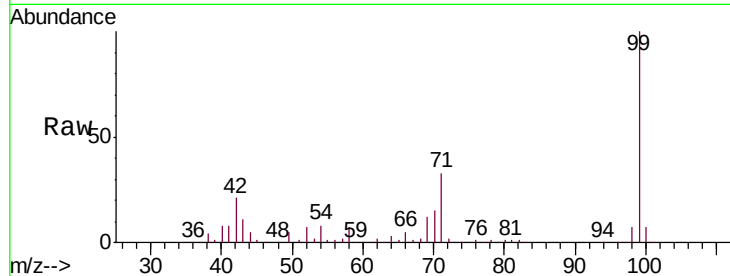
Tgt Ion: 99 Resp: 380305

Ion Ratio Lower Upper

99 100

42 20.9 14.5 21.7

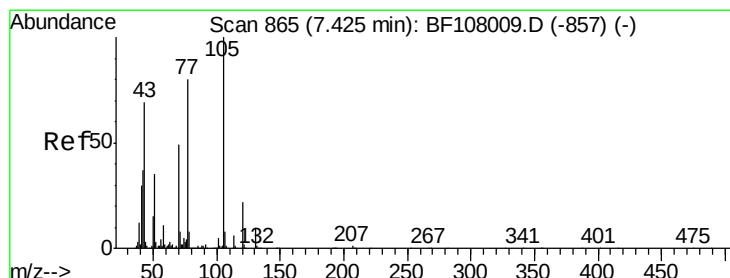
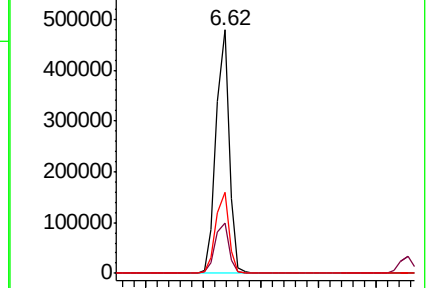
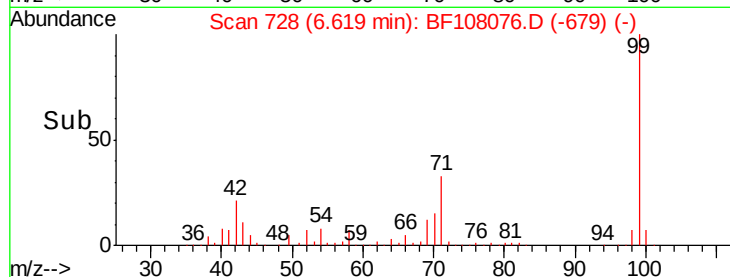
71 33.2 25.4 38.0



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: 2.038 ng

RT: 7.57 min Scan# 890

Delta R.T. 0.15 min

Lab File: BF108076.D

Acq: 10 Aug 2018 9:10

Tgt Ion: 70 Resp: 30033

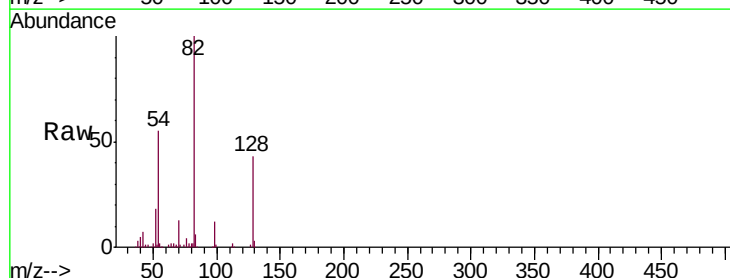
Ion Ratio Lower Upper

70 100

42 52.0 47.5 71.3

101 0.0 7.4 11.2#

130 3.4 16.6 25.0#

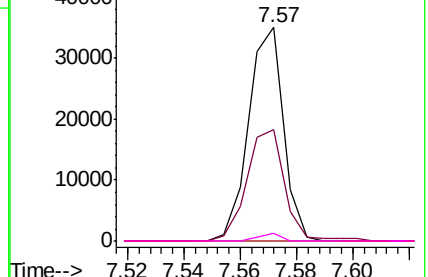
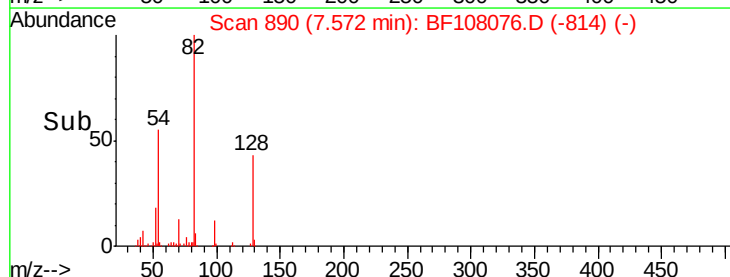


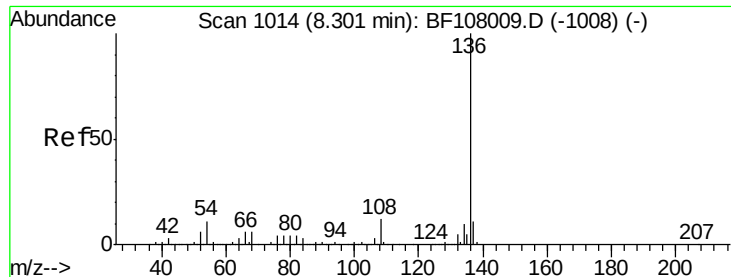
Abundance Ion 70.00 (69.70 to 70.70): BF1

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

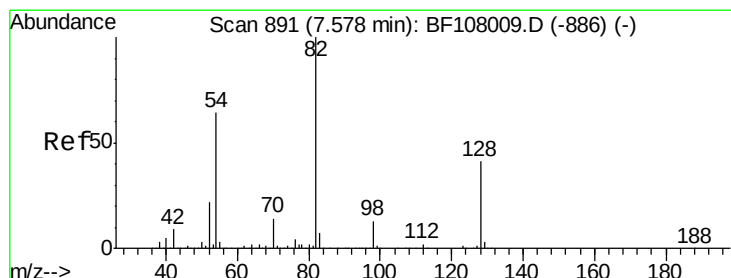
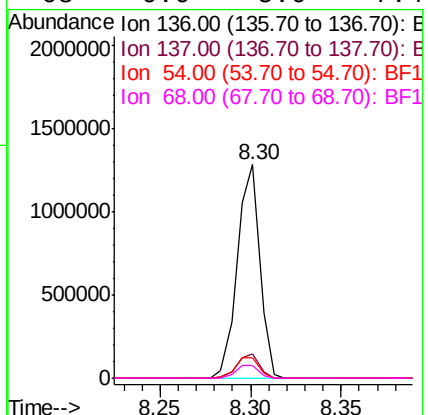
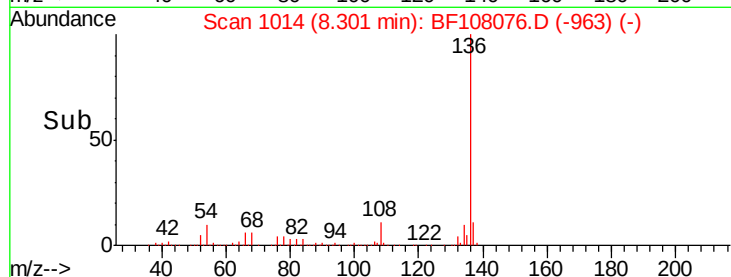
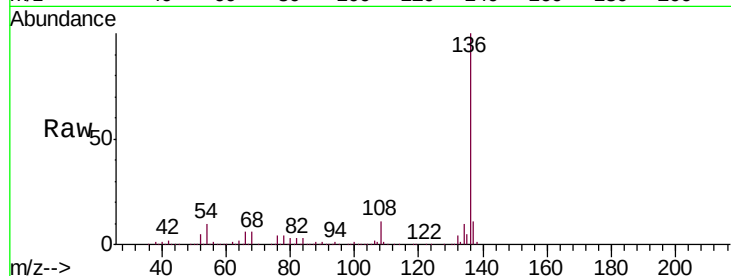




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.30 min Scan# 1014
Delta R.T. 0.00 min
Lab File: BF108076.D
Acq: 10 Aug 2018 9:10

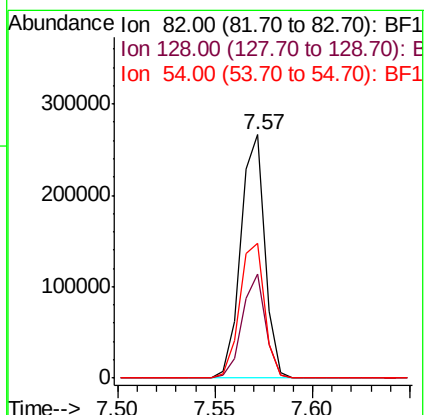
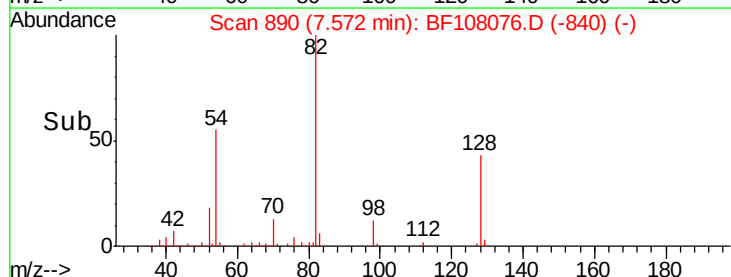
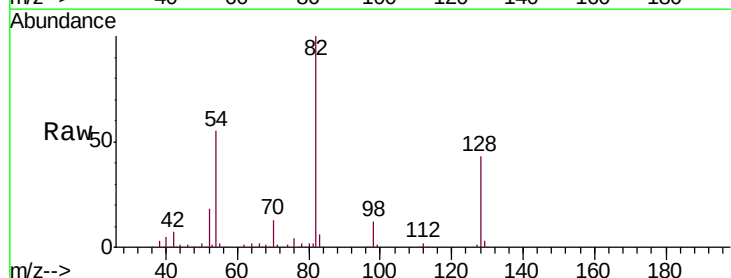
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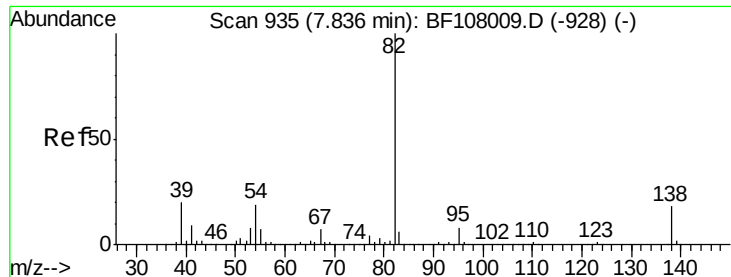
Tgt Ion: 136 Resp: 1112014
Ion Ratio Lower Upper
136 100
137 11.2 8.9 13.3
54 9.6 6.6 9.8
68 6.0 5.0 7.4



#23
Nitrobenzene-d5
Concen: 11.455 ng
RT: 7.57 min Scan# 890
Delta R.T. -0.01 min
Lab File: BF108076.D
Acq: 10 Aug 2018 9:10

Tgt Ion: 82 Resp: 228274
Ion Ratio Lower Upper
82 100
128 42.8 36.1 54.1
54 55.2 41.4 62.2





#25

Isophorone

Concen: 6.006 ng

RT: 7.57 min Scan# 890

Delta R.T. -0.26 min

Lab File: BF108076.D

Acq: 10 Aug 2018 9:10

Instrument :

BNA_F

ClientSampleId :

CHA-1DL

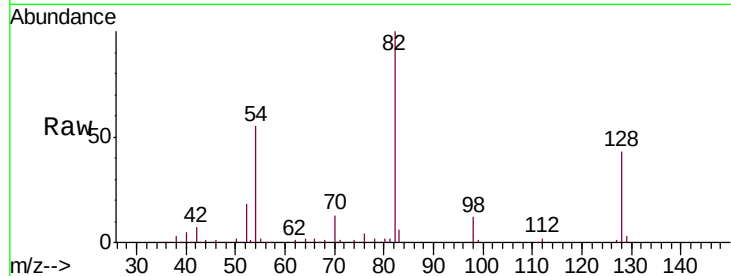
Tgt Ion: 82 Resp: 228115

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

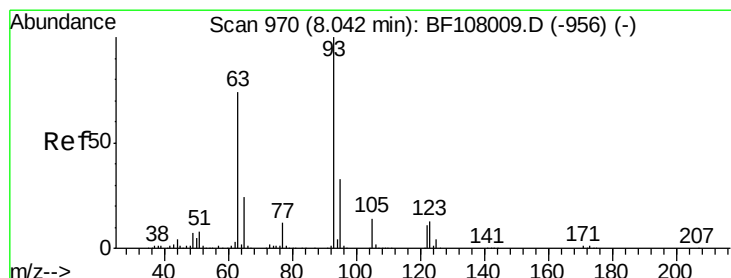
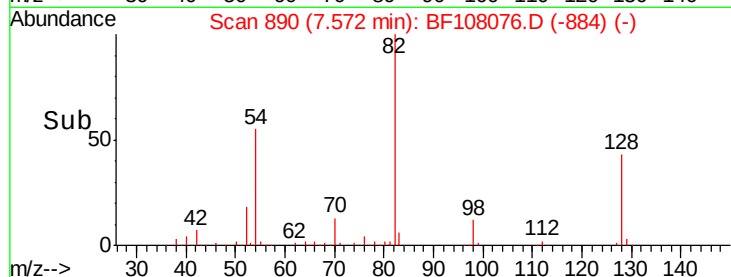
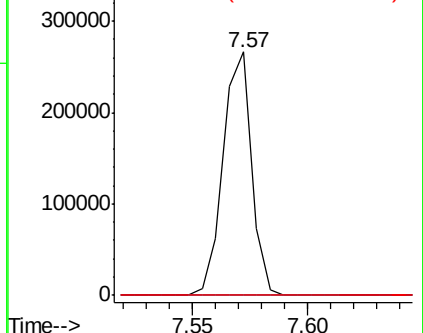
138 0.0 14.9 22.3#



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: 6.089 ng

RT: 8.06 min Scan# 973

Delta R.T. 0.02 min

Lab File: BF108076.D

Acq: 10 Aug 2018 9:10

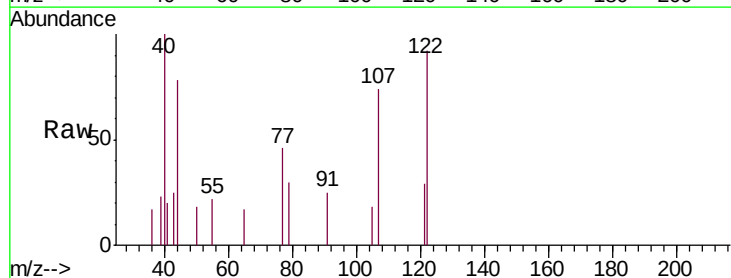
Tgt Ion: 122 Resp: 1279

Ion Ratio Lower Upper

122 100

105 20.0 101.1 141.1#

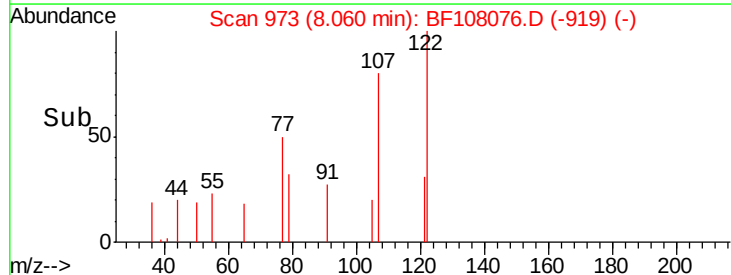
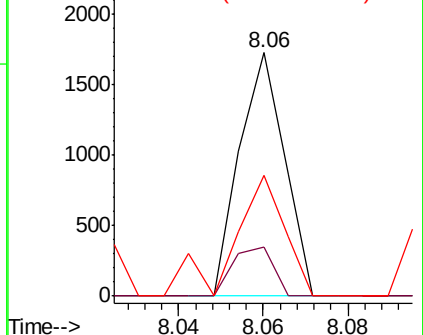
77 49.8 70.7 110.7#

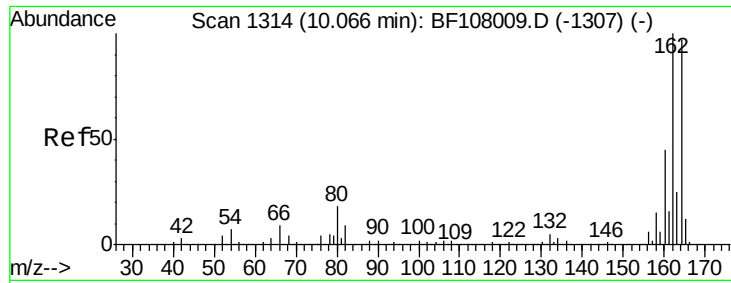


Abundance Ion 122.00 (121.70 to 122.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 77.00 (76.70 to 77.70): BF1

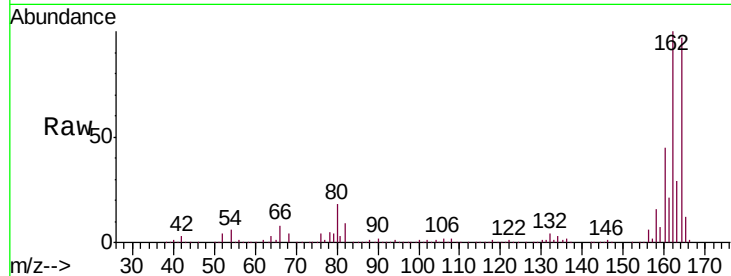




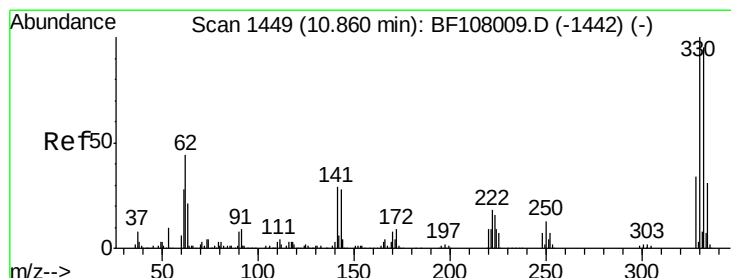
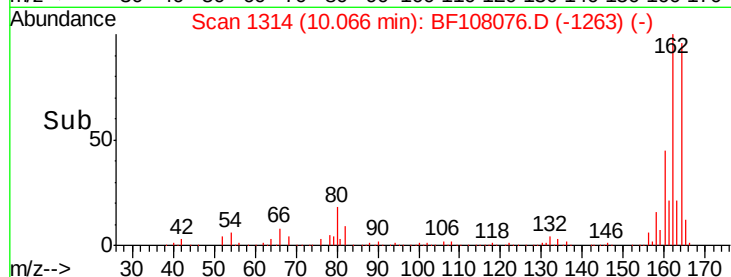
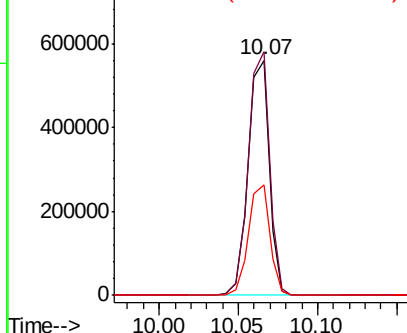
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 10.07 min Scan# 1314
 Delta R.T. 0.00 min
 Lab File: BF108076.D
 Acq: 10 Aug 2018 9:10

Instrument :
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Tgt Ion:164 Resp: 518685
 Ion Ratio Lower Upper
 164 100
 162 103.5 86.1 129.1
 160 47.0 38.3 57.5

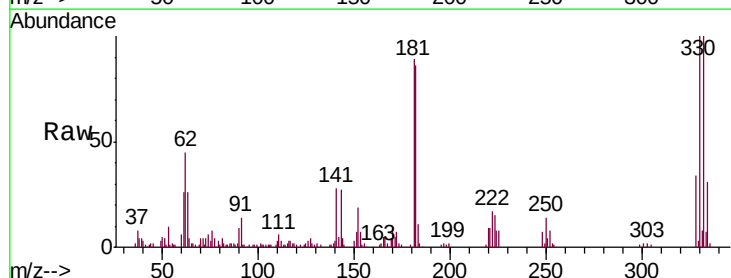


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

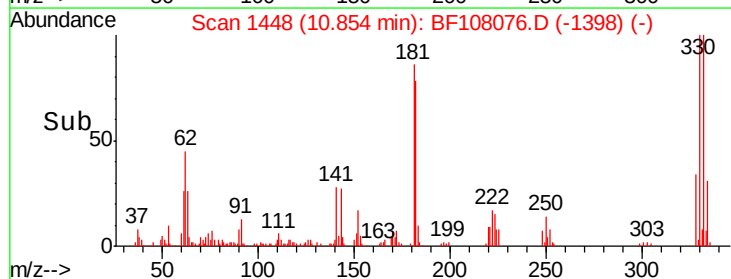
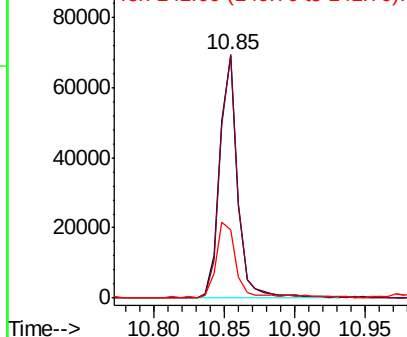


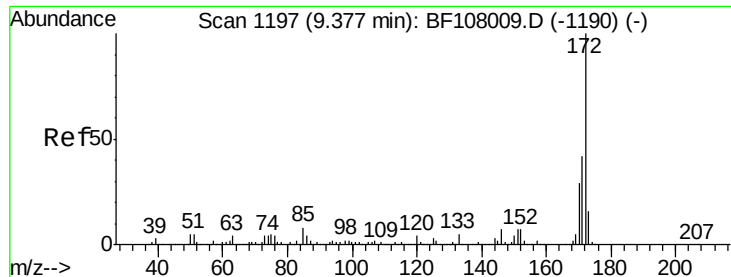
#41
 2,4,6-Tribromophenol
 Concen: 11.881 ng
 RT: 10.85 min Scan# 1448
 Delta R.T. -0.01 min
 Lab File: BF108076.D
 Acq: 10 Aug 2018 9:10

Tgt Ion:330 Resp: 61470
 Ion Ratio Lower Upper
 330 100
 332 98.4 77.0 115.6
 141 36.8 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

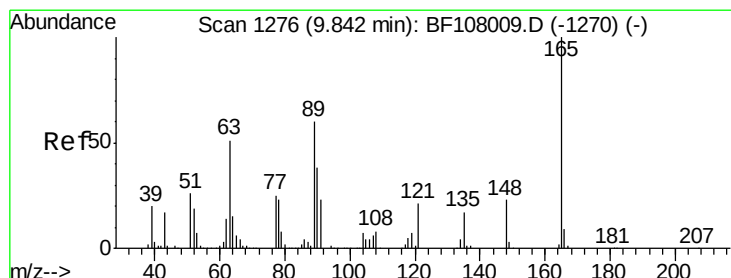
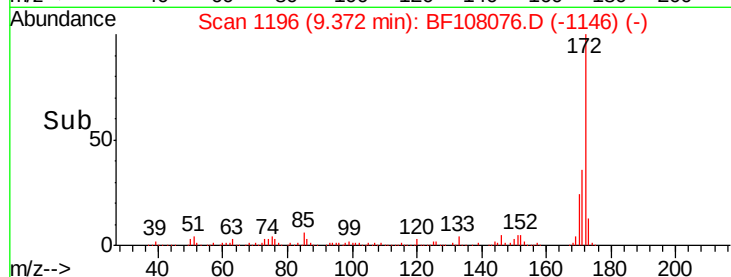
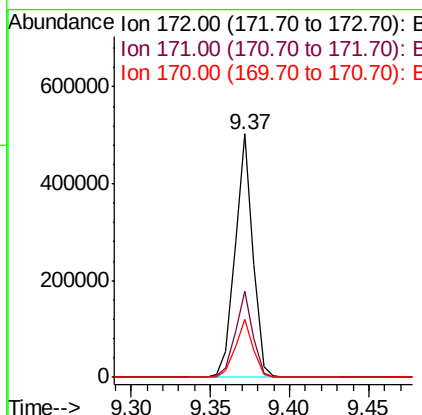
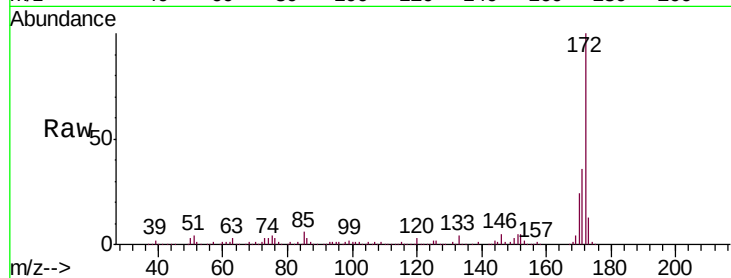




#44
 2-Fluorobiphenyl
 Concen: 12.092 ng
 RT: 9.37 min Scan# 1196
 Delta R.T. -0.01 min
 Lab File: BF108076.D
 Acq: 10 Aug 2018 9:10

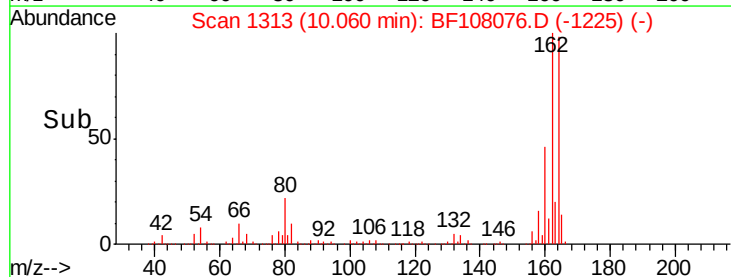
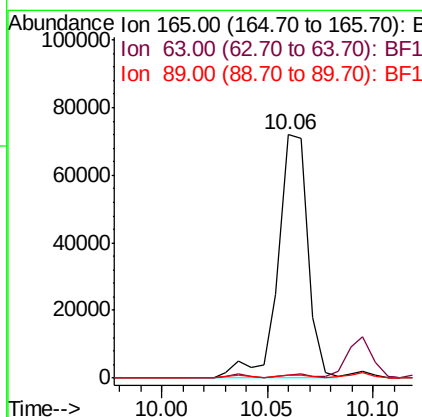
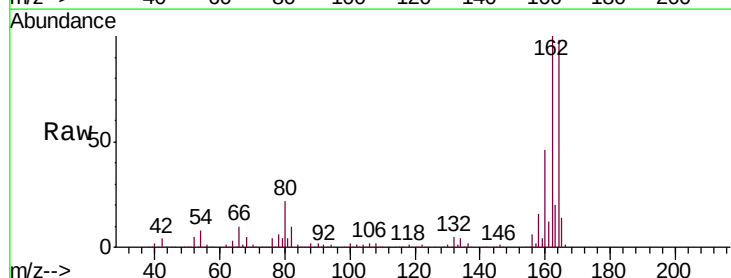
Instrument :
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 CHA-1DL

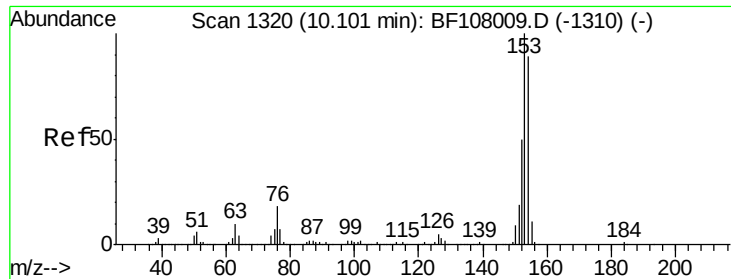
Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.6	29.7	44.5
170	23.7	19.6	29.4



#50
 2,6-Dinitrotoluene
 Concen: 9.409 ng
 RT: 10.06 min Scan# 1313
 Delta R.T. 0.22 min
 Lab File: BF108076.D
 Acq: 10 Aug 2018 9:10

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.3	44.7	67.1#
89	1.4	44.0	66.0#





#51

Acenaphthene

Concen: 3.741 ng

RT: 10.10 min Scan# 1319

Delta R.T. -0.01 min

Lab File: BF108076.D

Acq: 10 Aug 2018 9:10

Instrument :

BNA_F

ClientSampleId :

CHA-1DL

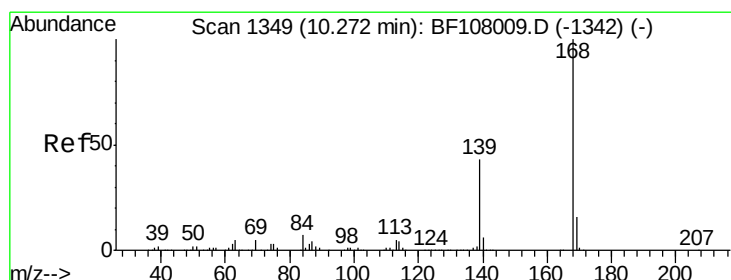
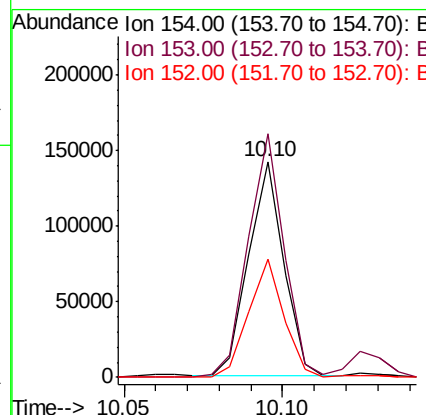
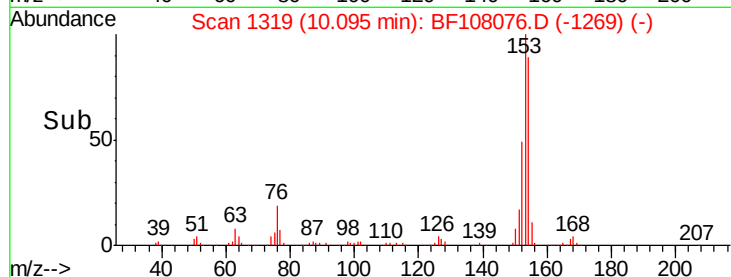
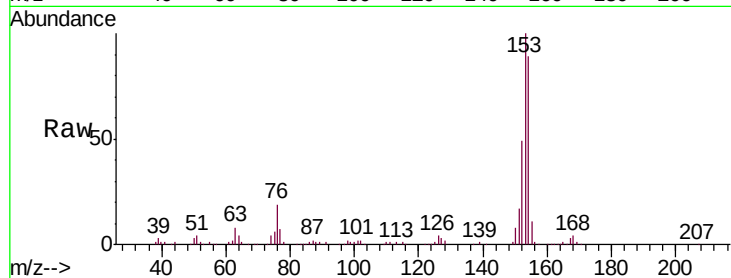
Tgt Ion:154 Resp: 109482

Ion Ratio Lower Upper

154 100

153 112.8 91.2 136.8

152 54.9 43.8 65.8



#54

Dibenzofuran

Concen: 3.959 ng

RT: 10.27 min Scan# 1348

Delta R.T. -0.01 min

Lab File: BF108076.D

Acq: 10 Aug 2018 9:10

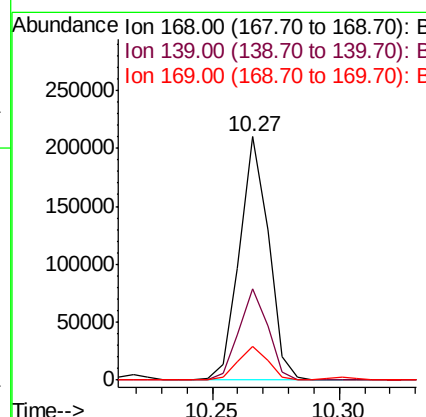
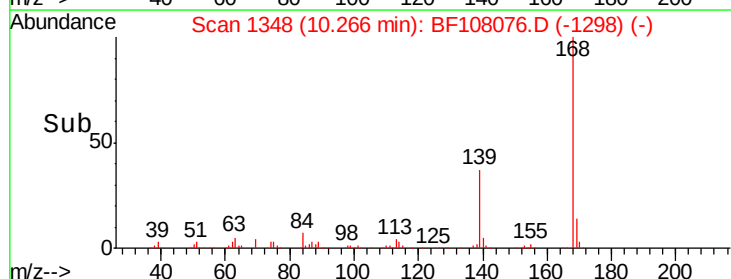
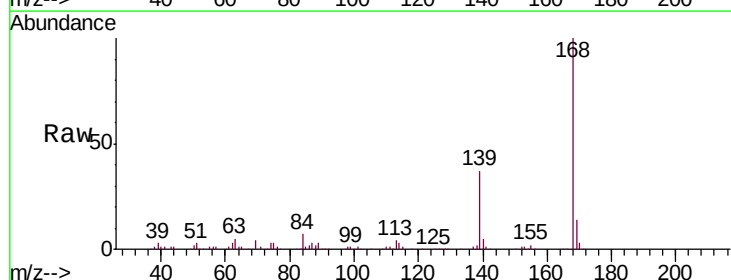
Tgt Ion:168 Resp: 167872

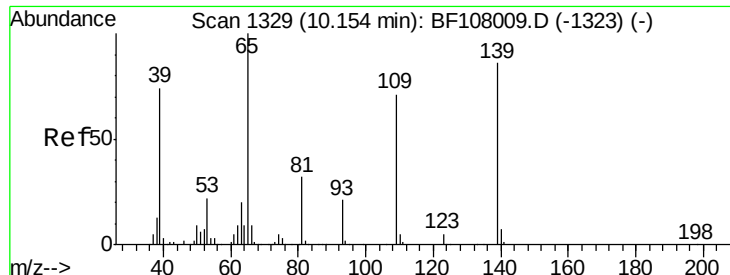
Ion Ratio Lower Upper

168 100

139 37.4 30.1 45.1

169 13.9 10.9 16.3

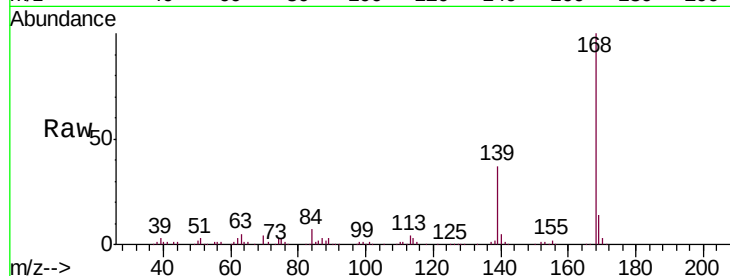




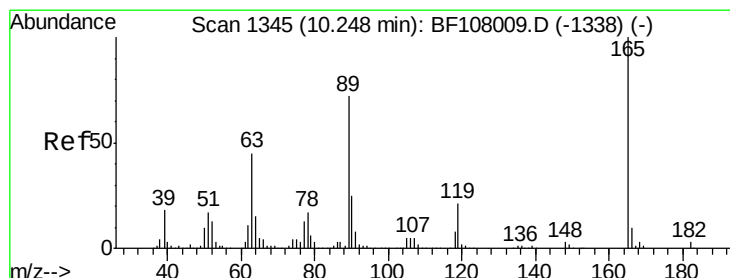
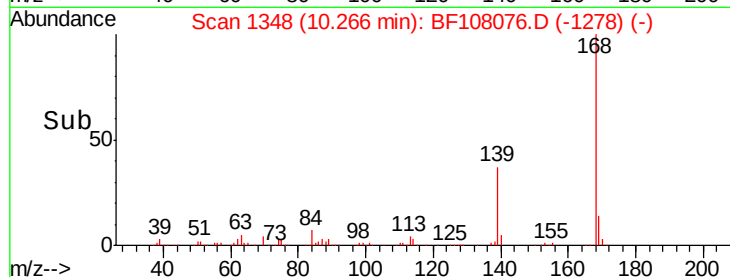
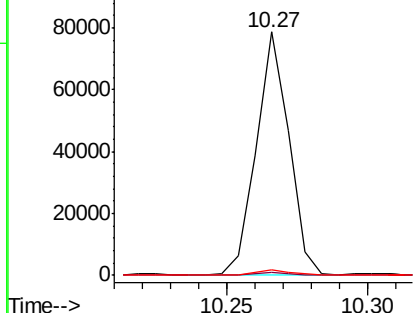
#55
4-Nitrophenol
Concen: 10.137 ng
RT: 10.27 min Scan# 1348
Delta R.T. 0.11 min
Lab File: BF108076.D
Acq: 10 Aug 2018 9:10

Instrument :
BNA_F
ClientSampled :
CHA-1DL

Tgt Ion:139 Resp: 63488
Ion Ratio Lower Upper
139 100
109 1.0 48.4 88.4#
65 2.4 72.6 112.6#

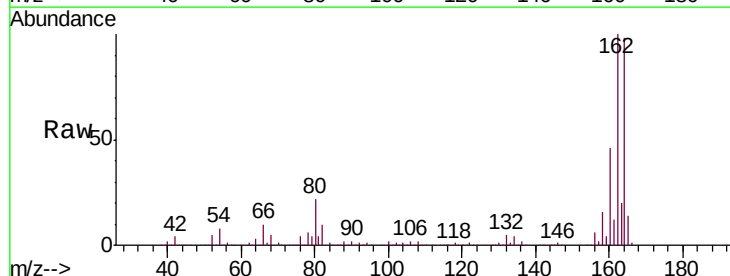


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF1

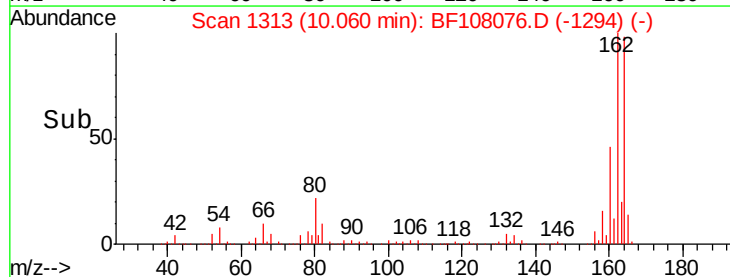
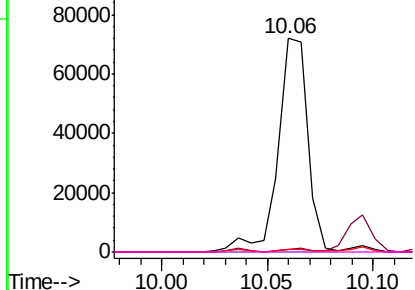


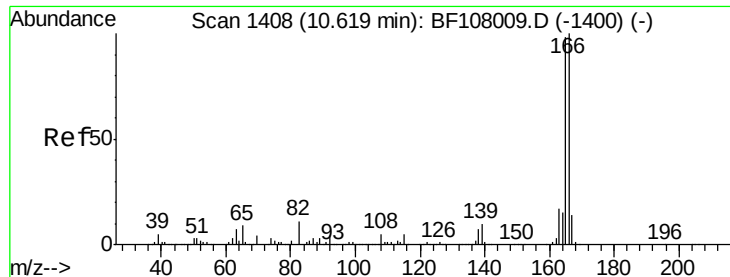
#56
2,4-Dinitrotoluene
Concen: 7.309 ng
RT: 10.06 min Scan# 1313
Delta R.T. -0.19 min
Lab File: BF108076.D
Acq: 10 Aug 2018 9:10

Tgt Ion:165 Resp: 71123
Ion Ratio Lower Upper
165 100
63 1.3 36.4 54.6#
89 1.4 57.8 86.6#
182 0.0 1.6 2.4#



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

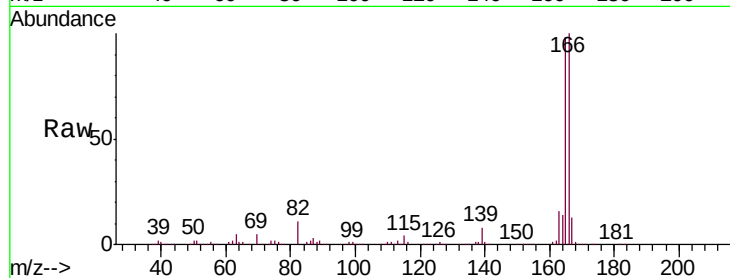




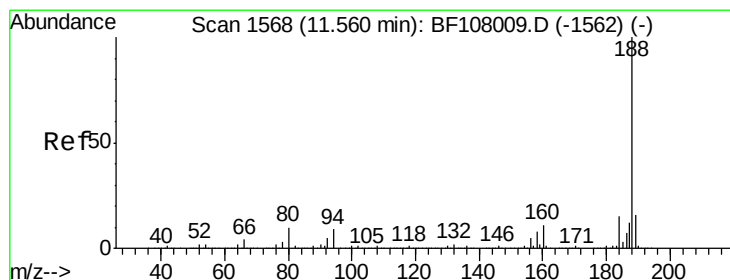
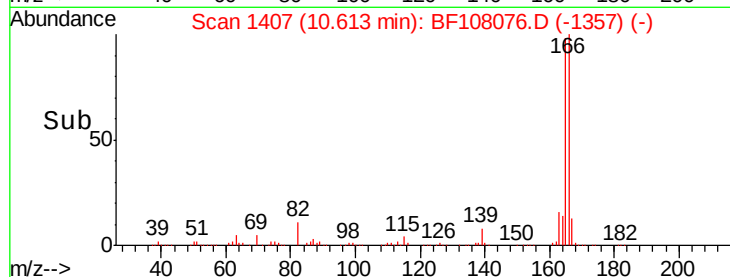
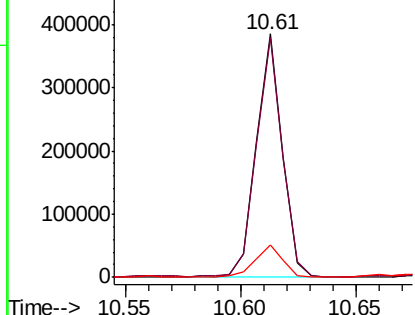
#57
 Fluorene
 Concen: 8.961 ng
 RT: 10.61 min Scan# 1407
 Delta R.T. -0.01 min
 Lab File: BF108076.D
 Acq: 10 Aug 2018 9:10

Instrument :
 BNA_F
 ClientSampleId :
 CHA-1DL

Tgt Ion:166 Resp: 300774
 Ion Ratio Lower Upper
 166 100
 165 98.4 79.8 119.8
 167 13.4 10.6 16.0

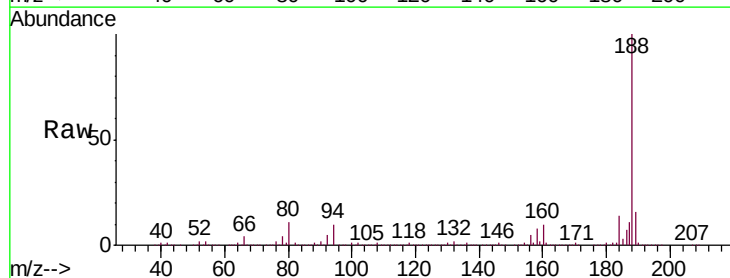


Abundance Ion 166.00 (165.70 to 166.70): E
 Ion 165.00 (164.70 to 165.70): E
 Ion 167.00 (166.70 to 167.70): E

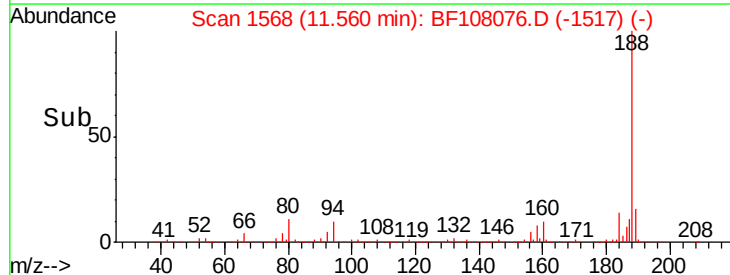
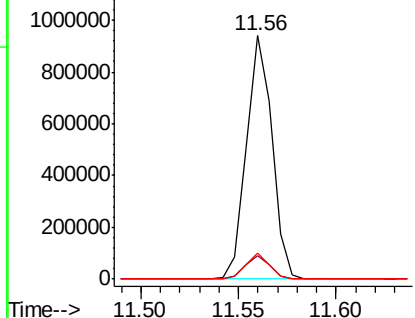


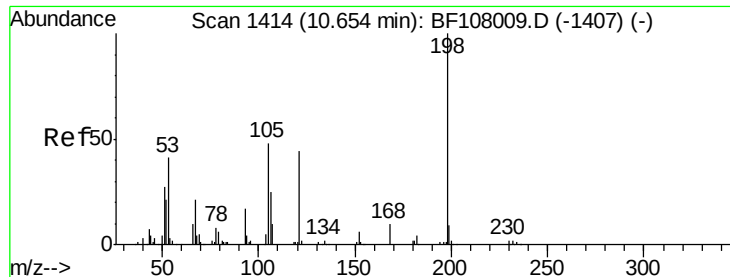
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.56 min Scan# 1568
 Delta R.T. 0.00 min
 Lab File: BF108076.D
 Acq: 10 Aug 2018 9:10

Tgt Ion:188 Resp: 858311
 Ion Ratio Lower Upper
 188 100
 94 9.6 8.5 12.7
 80 10.7 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: 5.398 ng

RT: 10.85 min Scan# 1448

Delta R.T. 0.20 min

Lab File: BF108076.D

Acq: 10 Aug 2018 9:10

Instrument :

BNA_F

ClientSampleId :

CHA-1DL

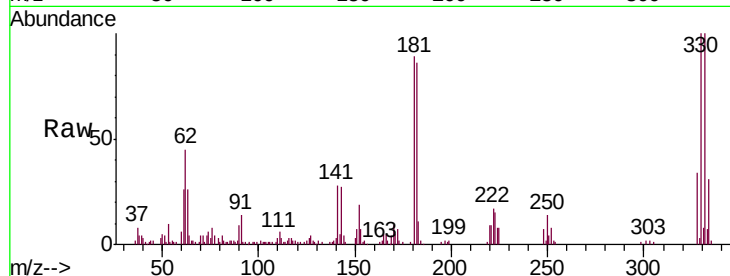
Tgt Ion:198 Resp: 143

Ion Ratio Lower Upper

198 100

51 736.6 37.7 77.7#

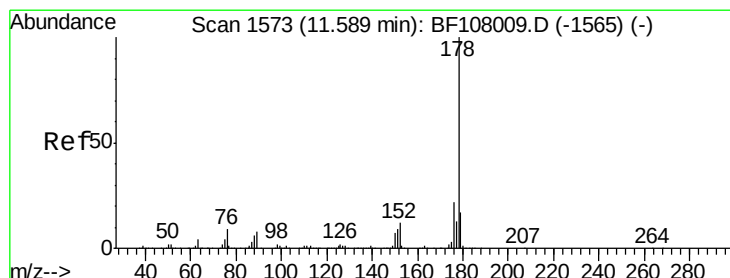
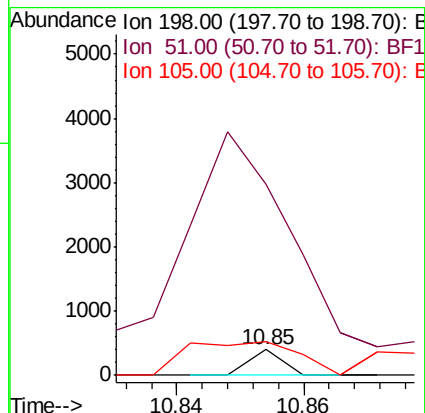
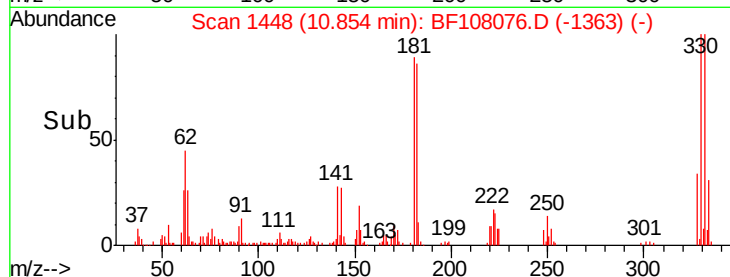
105 130.0 36.3 76.3#



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: 56.404 ng

RT: 11.59 min Scan# 1573

Delta R.T. 0.00 min

Lab File: BF108076.D

Acq: 10 Aug 2018 9:10

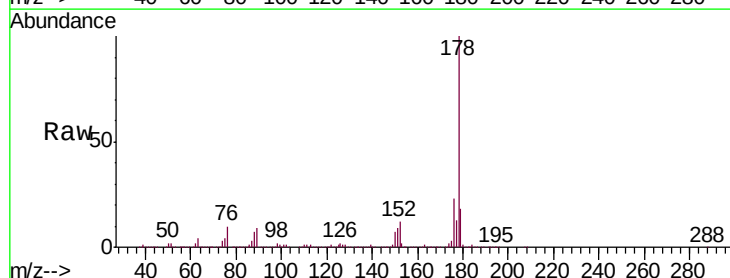
Tgt Ion:178 Resp: 2283440

Ion Ratio Lower Upper

178 100

176 22.8 15.8 23.8

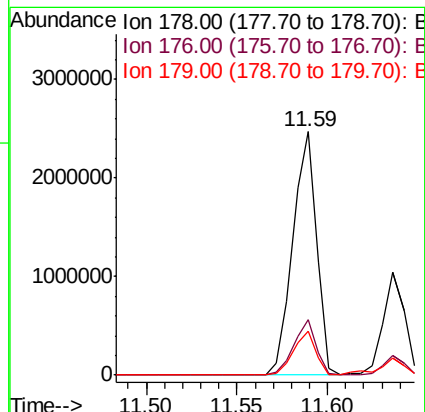
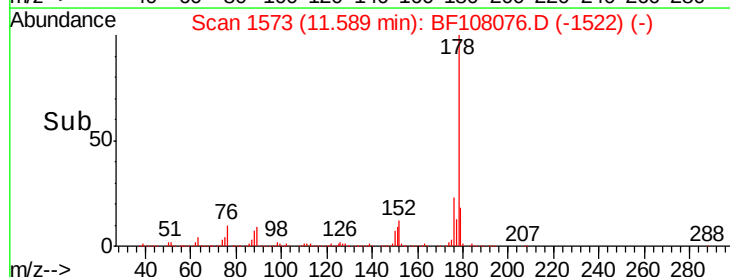
179 17.9 13.0 19.6

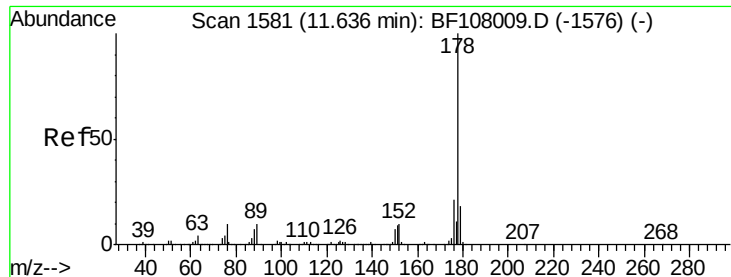


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#71

Anthracene

Concen: 20.077 ng

RT: 11.64 min Scan# 1581

Delta R.T. 0.00 min

Lab File: BF108076.D

Acq: 10 Aug 2018 9:10

Instrument :

BNA_F

ClientSampleId :

CHA-1DL

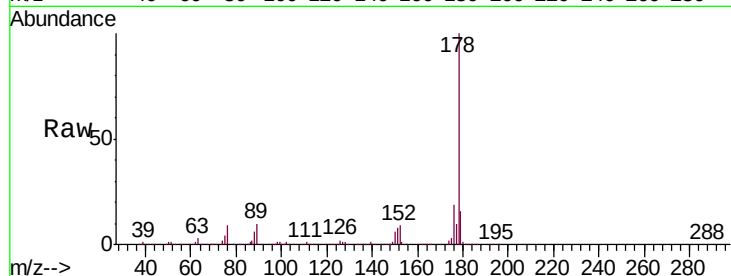
Tgt Ion:178 Resp: 833051

Ion Ratio Lower Upper

178 100

176 19.2 15.4 23.2

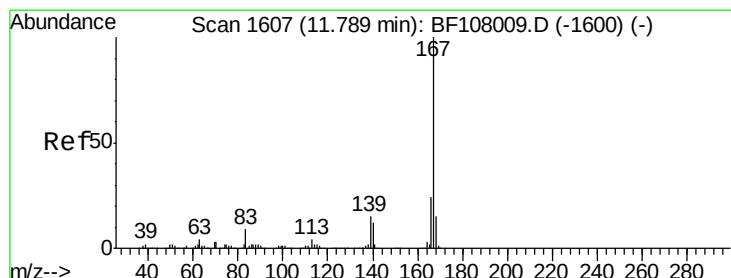
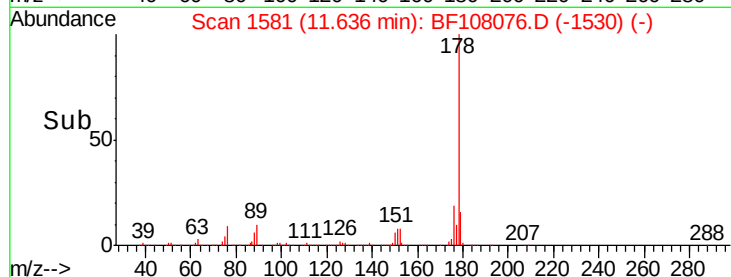
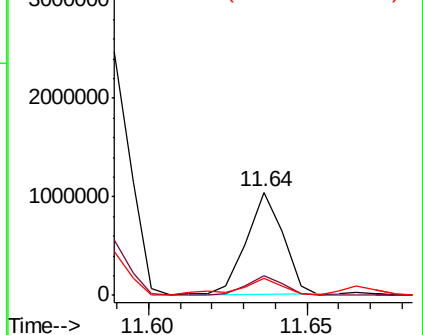
179 16.3 12.6 19.0



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: 7.815 ng

RT: 11.78 min Scan# 1606

Delta R.T. -0.01 min

Lab File: BF108076.D

Acq: 10 Aug 2018 9:10

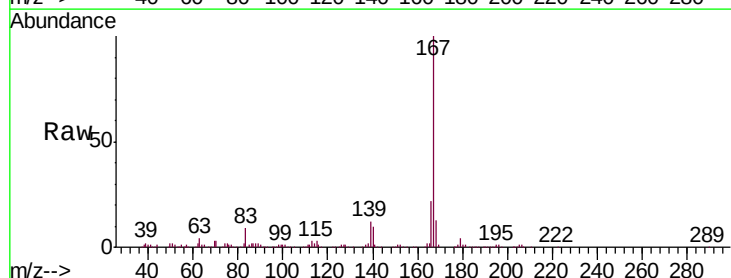
Tgt Ion:167 Resp: 288104

Ion Ratio Lower Upper

167 100

166 22.0 17.6 26.4

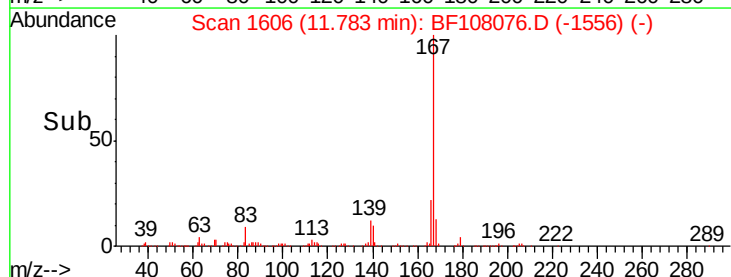
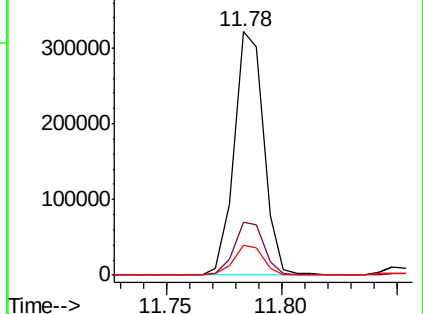
139 12.3 10.9 16.3

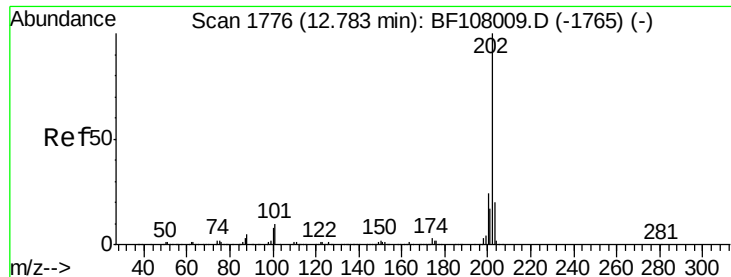


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#74

Fluoranthene

Concen: 62.379 ng

RT: 12.79 min Scan# 1777

Delta R.T. 0.01 min

Lab File: BF108076.D

Acq: 10 Aug 2018 9:10

Instrument :

BNA_F

ClientSampleId :

CHA-1DL

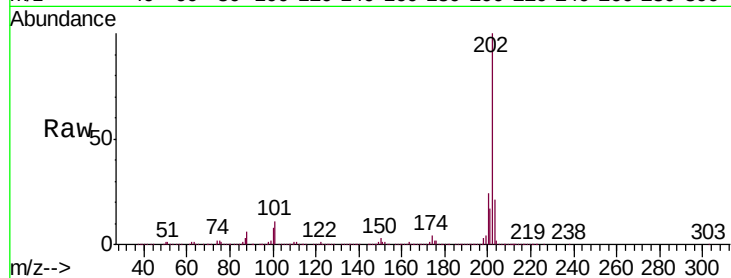
Tgt Ion:202 Resp: 2756065

Ion Ratio Lower Upper

202 100

101 11.2 0.0 34.1

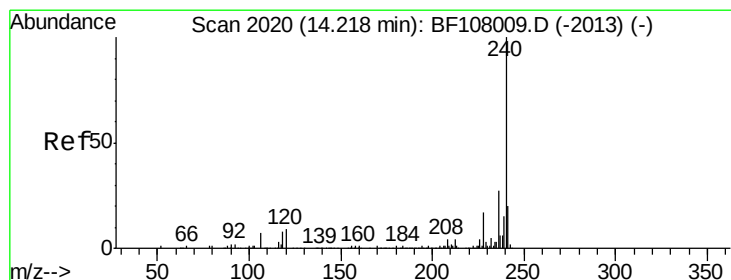
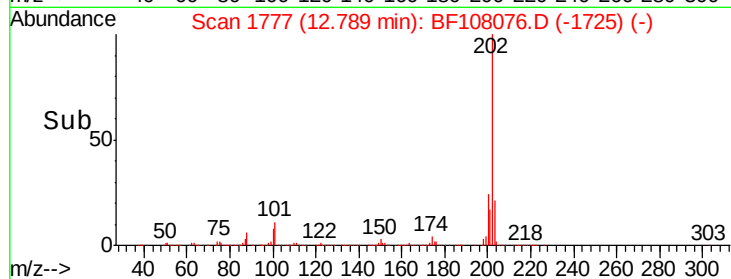
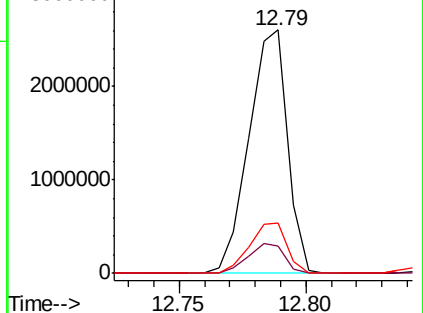
203 20.7 0.0 38.1



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: 14.22 min Scan# 2020

Delta R.T. 0.00 min

Lab File: BF108076.D

Acq: 10 Aug 2018 9:10

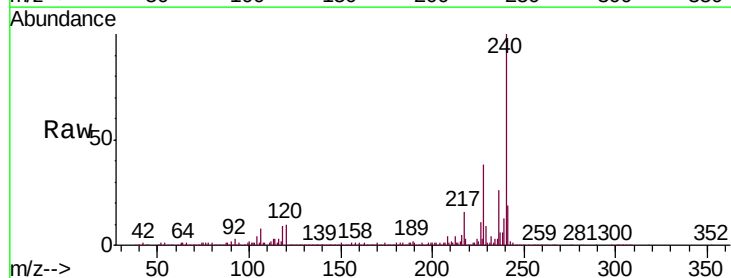
Tgt Ion:240 Resp: 717850

Ion Ratio Lower Upper

240 100

120 10.2 9.5 14.3

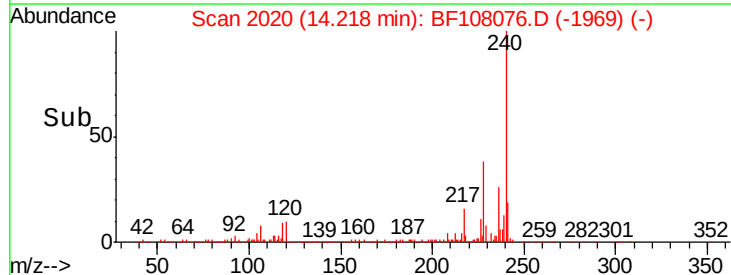
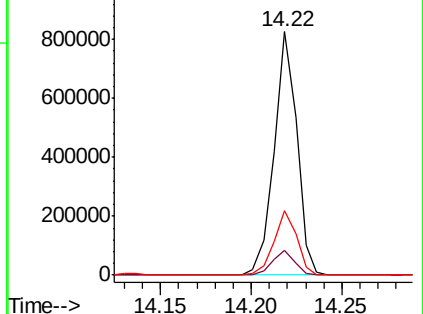
236 26.2 20.7 31.1

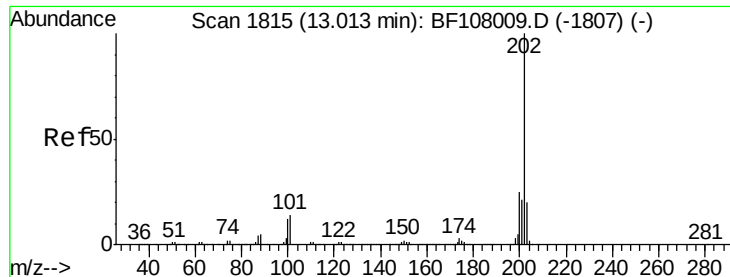


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



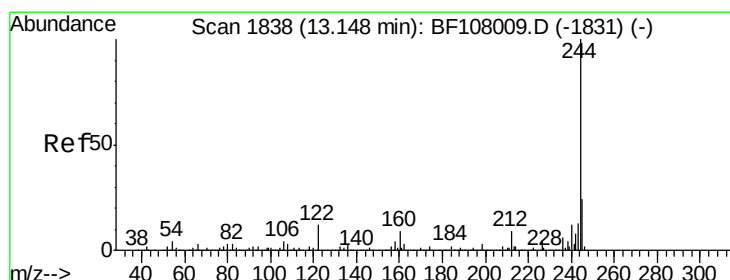
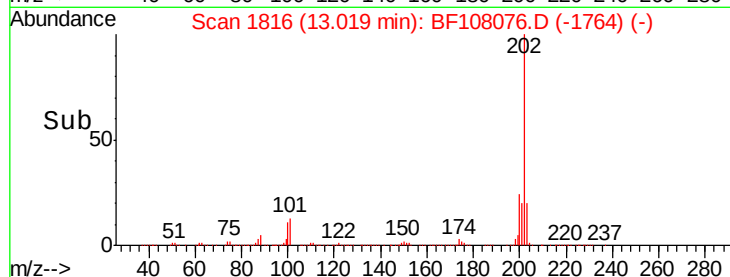
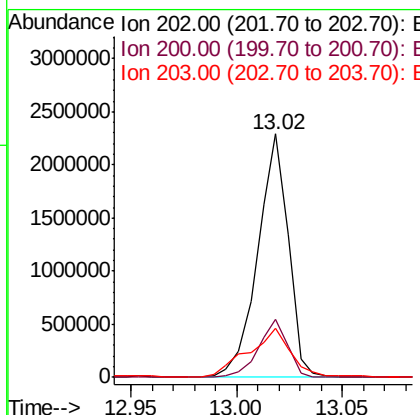
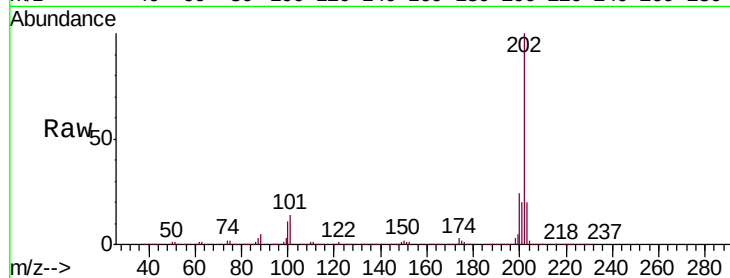


#77
 Pyrene
 Concen: 50.703 ng
 RT: 13.02 min Scan# 1816
 Delta R.T. 0.01 min
 Lab File: BF108076.D
 Acq: 10 Aug 2018 9:10

Instrument :
 BNA_F
 ClientSampleId :
 CHA-1DL

Tgt Ion: 202 Resp: 2304332

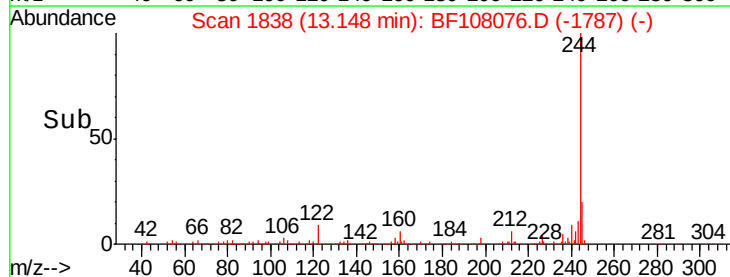
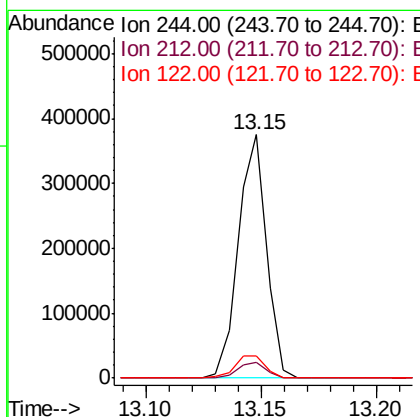
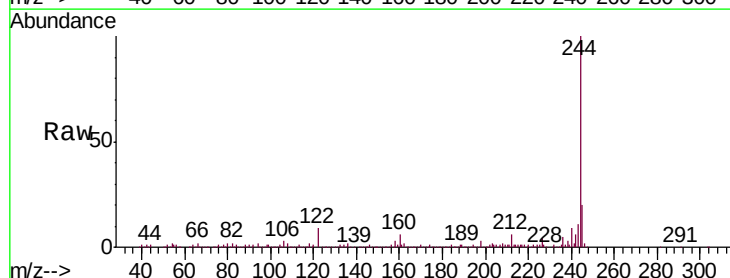
Ion	Ratio	Lower	Upper
202	100		
200	24.0	17.4	26.2
203	20.0	14.3	21.5

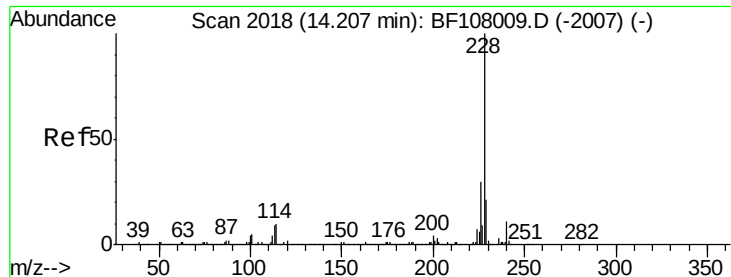


#78
 Terphenyl-d14
 Concen: 11.288 ng
 RT: 13.15 min Scan# 1838
 Delta R.T. 0.00 min
 Lab File: BF108076.D
 Acq: 10 Aug 2018 9:10

Tgt Ion: 244 Resp: 318690

Ion	Ratio	Lower	Upper
244	100		
212	6.4	5.4	8.0
122	9.2	11.0	16.4#

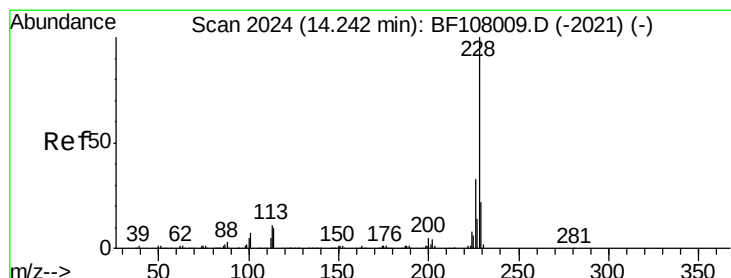
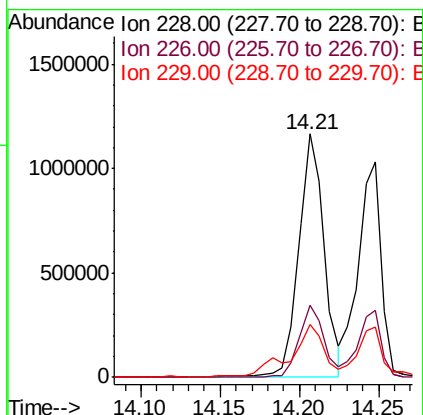
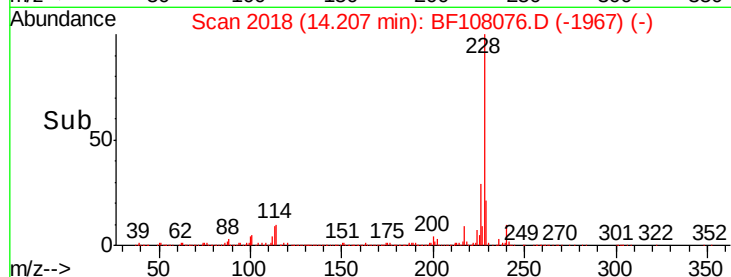
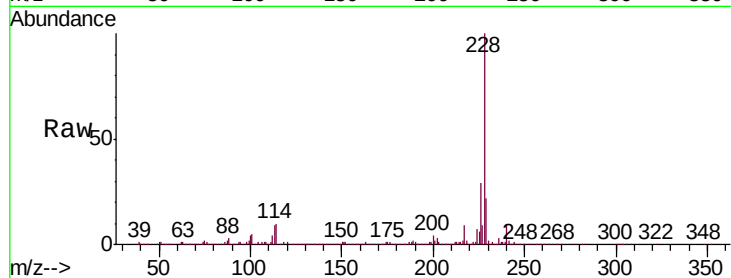




#80
Benzo(a)anthracene
Concen: 31.108 ng
RT: 14.21 min Scan# 2018
Delta R.T. 0.00 min
Lab File: BF108076.D
Acq: 10 Aug 2018 9:10

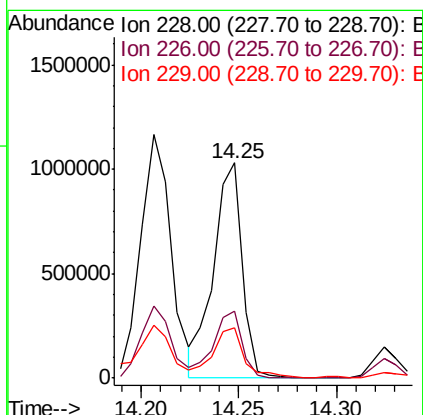
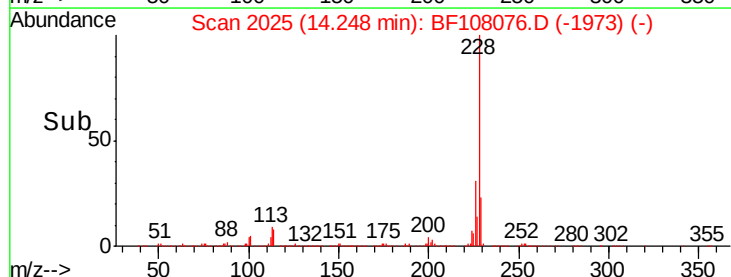
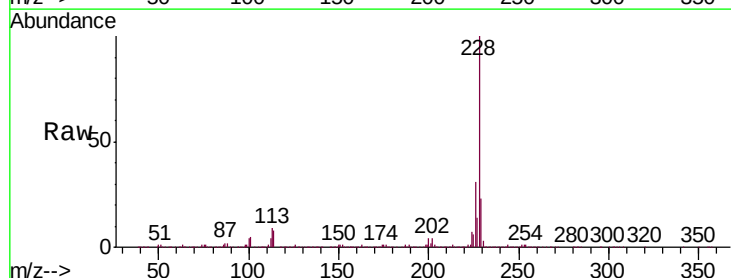
Instrument :
BNA_F
ClientSampleId :
CHA-1DL

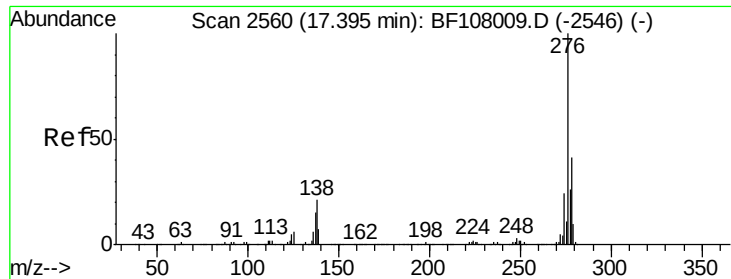
Tgt Ion:228 Resp: 1281556
Ion Ratio Lower Upper
228 100
226 29.5 22.6 33.8
229 21.6 15.8 23.6



#82
Chrysene
Concen: 27.700 ng
RT: 14.25 min Scan# 2025
Delta R.T. 0.01 min
Lab File: BF108076.D
Acq: 10 Aug 2018 9:10

Tgt Ion:228 Resp: 1046228
Ion Ratio Lower Upper
228 100
226 31.2 25.0 37.6
229 23.4 16.2 24.4

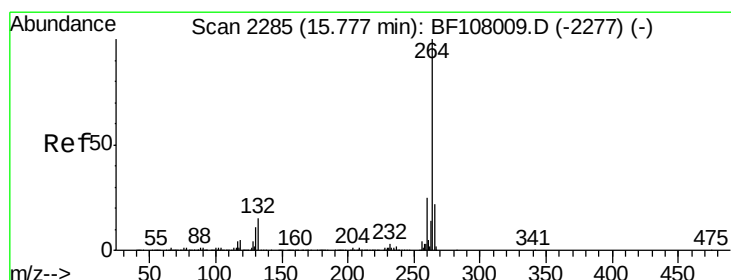
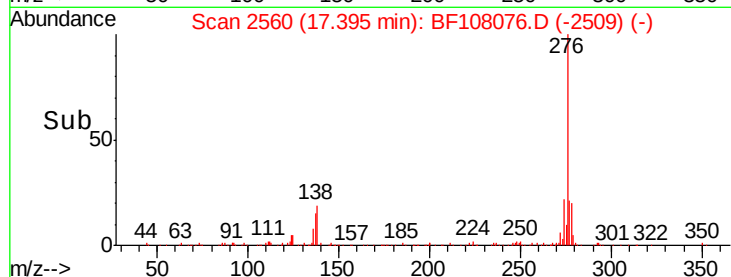
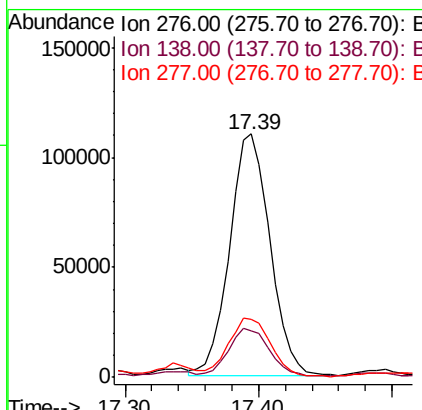
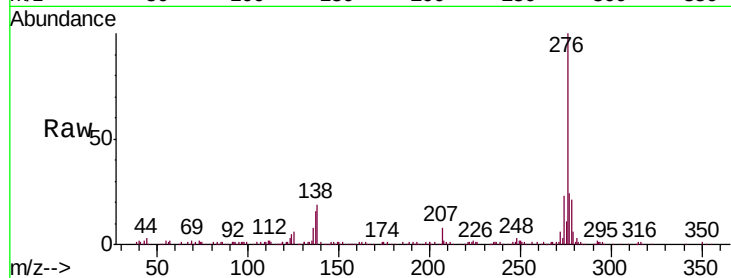




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 7.037 ng
 RT: 17.39 min Scan# 2560
 Delta R.T. 0.00 min
 Lab File: BF108076.D
 Acq: 10 Aug 2018 9:10

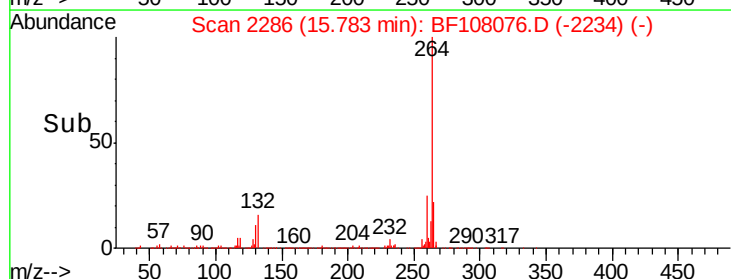
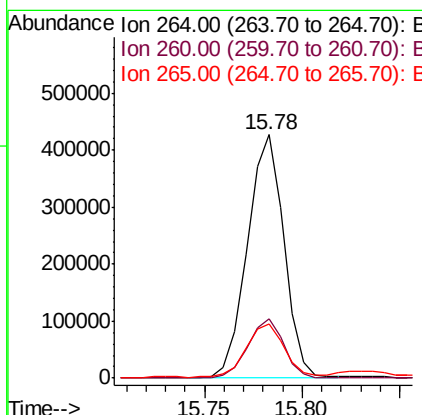
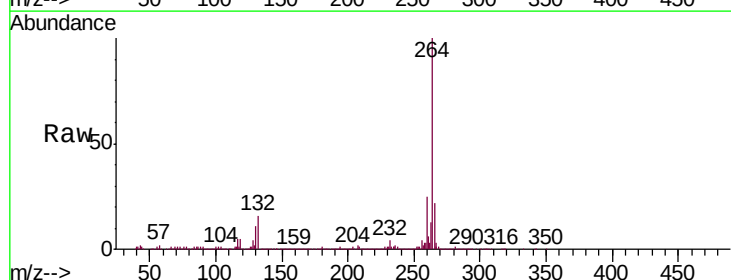
Instrument :
 BNA_F
 ClientSampleId :
 CHA-1DL

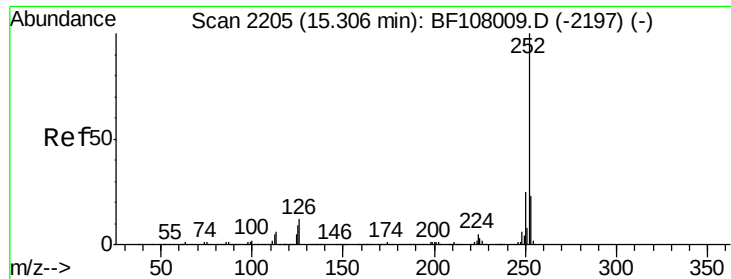
Tgt Ion	Ratio	Lower	Upper
276	100		
138	20.3	25.0	37.6#
277	25.5	20.1	30.1



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.78 min Scan# 2286
 Delta R.T. 0.01 min
 Lab File: BF108076.D
 Acq: 10 Aug 2018 9:10

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.6	19.2	28.8
265	22.2	17.5	26.3

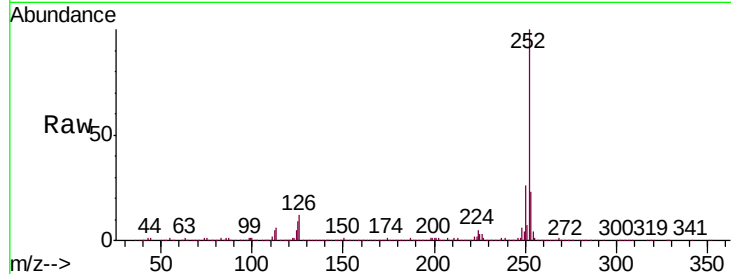




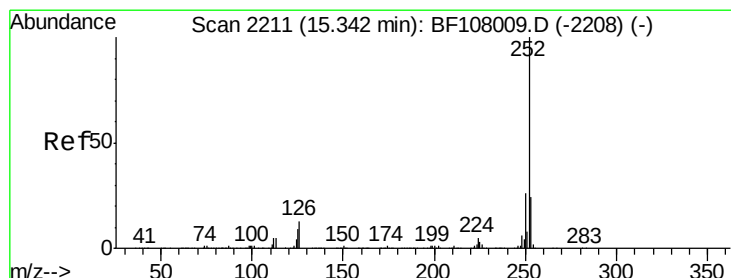
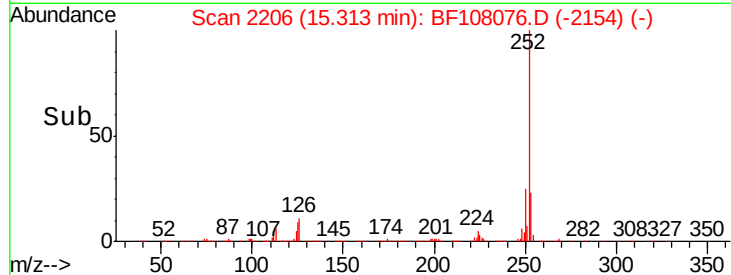
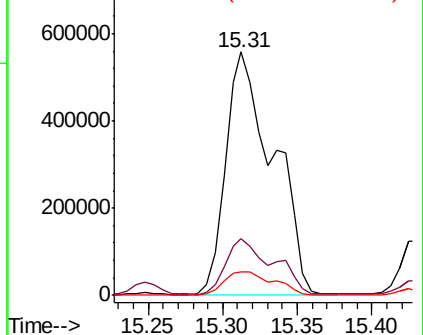
#87
Benzo(b)fluoranthene
Concen: 37.421 ng
RT: 15.31 min Scan# 2206
Delta R.T. 0.01 min
Lab File: BF108076.D
Acq: 10 Aug 2018 9:10

Instrument :
BNA_F
ClientSampleId :
CHA-1DL

Tgt Ion:252 Resp: 1233840
Ion Ratio Lower Upper
252 100
253 23.5 17.0 25.6
125 9.5 9.0 13.6

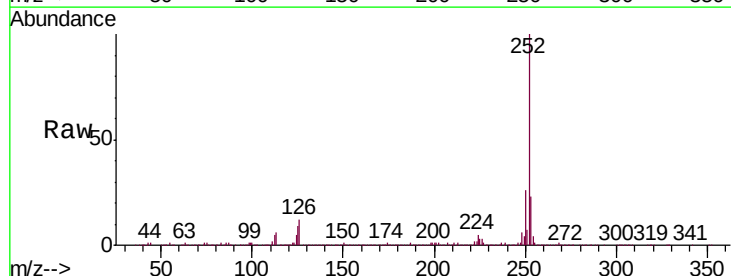


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

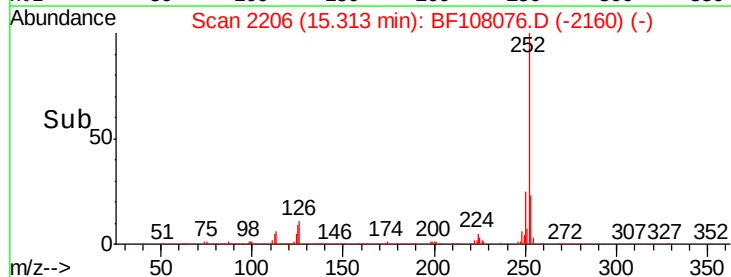
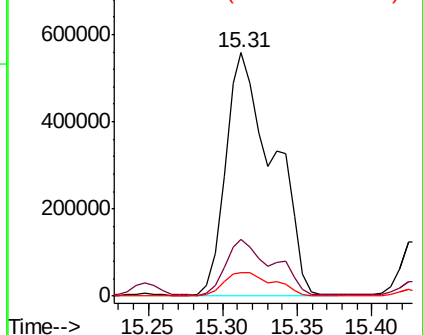


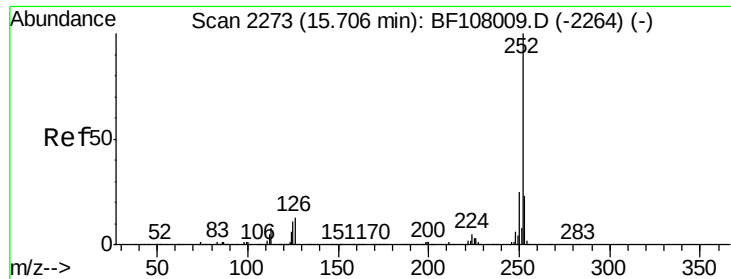
#88
Benzo(k)fluoranthene
Concen: 40.702 ng
RT: 15.31 min Scan# 2206
Delta R.T. -0.03 min
Lab File: BF108076.D
Acq: 10 Aug 2018 9:10

Tgt Ion:252 Resp: 1233654
Ion Ratio Lower Upper
252 100
253 23.5 17.9 26.9
125 9.5 10.2 15.2#



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





#89

Benzo(a)pyrene

Concen: 19.827 ng

RT: 15.71 min Scan# 2274

Delta R.T. 0.01 min

Lab File: BF108076.D

Acq: 10 Aug 2018 9:10

Instrument :

BNA_F

ClientSampleId :

CHA-1DL

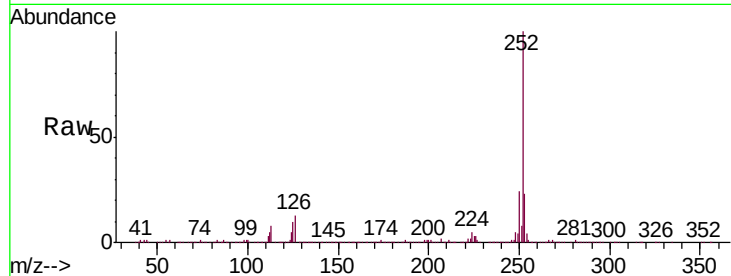
Tgt Ion:252 Resp: 585391

Ion Ratio Lower Upper

252 100

253 23.0 17.1 25.7

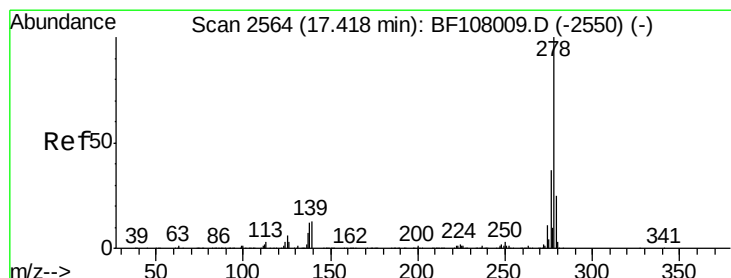
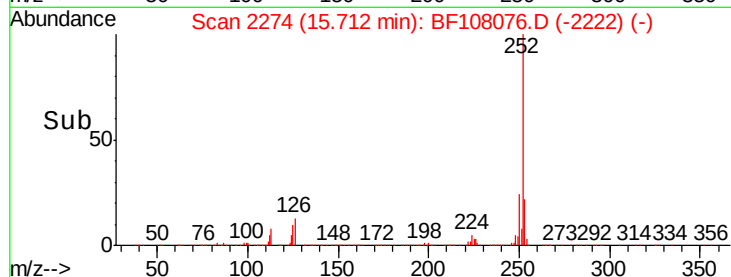
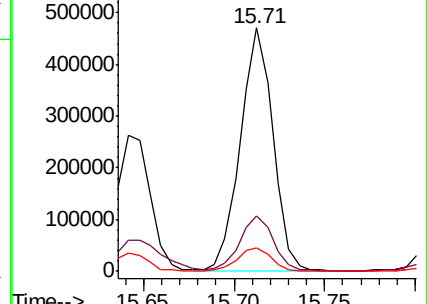
125 9.9 9.8 14.6



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: 2.650 ng

RT: 17.41 min Scan# 2562

Delta R.T. -0.01 min

Lab File: BF108076.D

Acq: 10 Aug 2018 9:10

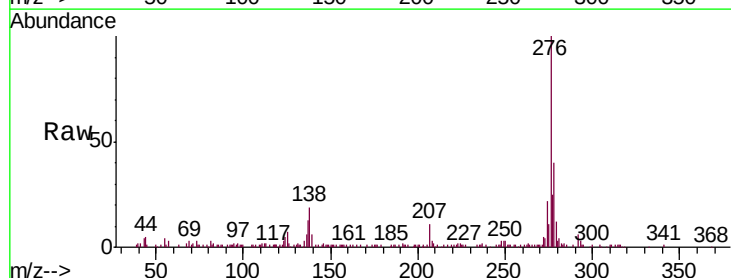
Tgt Ion:278 Resp: 64744

Ion Ratio Lower Upper

278 100

139 16.0 15.9 23.9

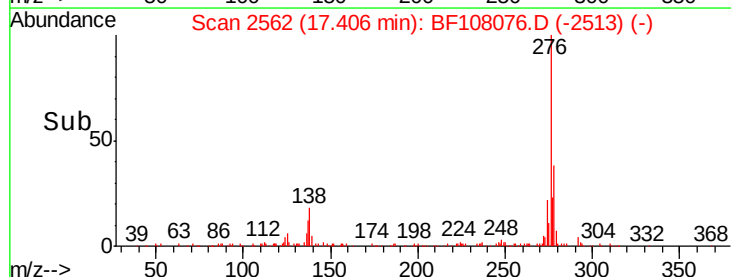
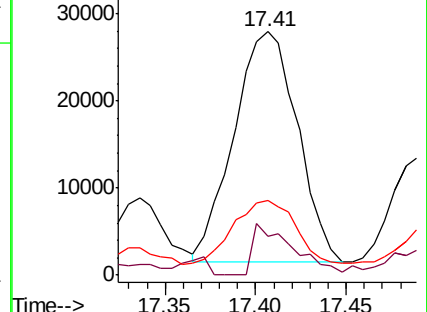
279 30.4 19.0 28.4

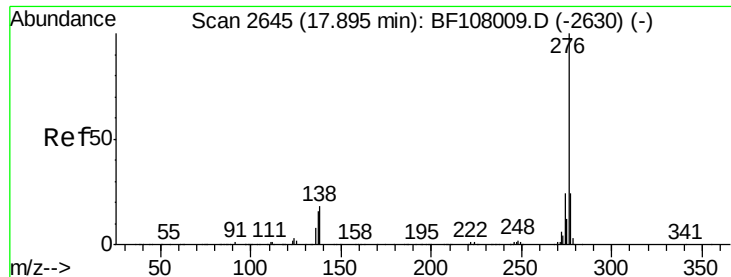


Abundance Ion 278.00 (277.70 to 278.70): E

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: 7.604 ng

RT: 17.89 min Scan# 2644

Delta R.T. -0.01 min

Lab File: BF108076.D

Acq: 10 Aug 2018 9:10

Instrument :

BNA_F

ClientSampleId :

CHA-1DL

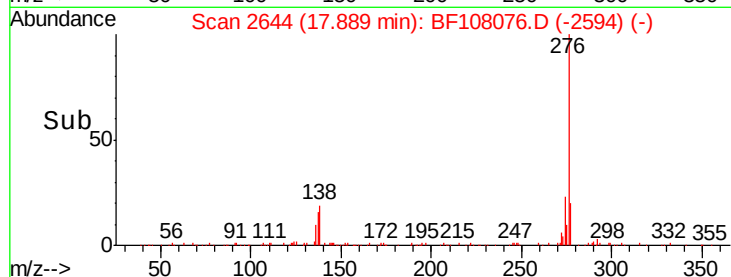
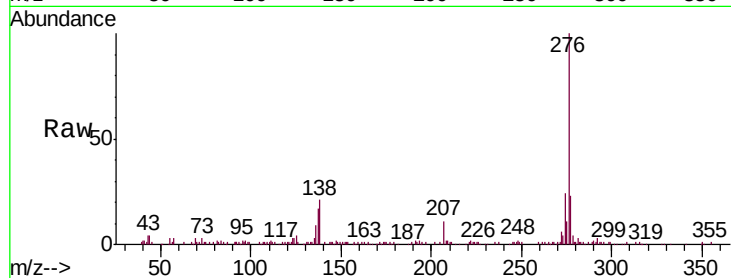
Tgt Ion: 276 Resp: 182927

Ion Ratio Lower Upper

276 100

277 22.6 17.9 26.9

138 20.9 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

