

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092518\
 Data File : BF109305.D
 Acq On : 25 Sep 2018 23:54
 Operator : JU/SJ
 Sample : J5044-06
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 26 02:29:33 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF092218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Sep 22 13:32:18 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.71	152	114689	20.00	ng	0.00
21) Naphthalene-d8	7.99	136	434922	20.00	ng	0.00
38) Acenaphthene-d10	9.74	164	184210	20.00	ng	0.00
63) Phenanthrene-d10	11.22	188	305744	20.00	ng	0.00
75) Chrysene-d12	13.85	240	246602	20.00	ng	0.00
86) Perylene-d12	15.25	264	197560	20.00	ng	0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	486086	69.81	ng	0.00
7) Phenol-d6	6.35	99	639626	71.99	ng	-0.01
23) Nitrobenzene-d5	7.27	82	394590	53.56	ng	-0.01
41) 2,4,6-Tribromophenol	10.52	330	115739	63.74	ng	-0.01
44) 2-Fluorobiphenyl	9.06	172	654916	53.62	ng	-0.01
78) Terphenyl-d14	12.80	244	538222	53.56	ng	0.00

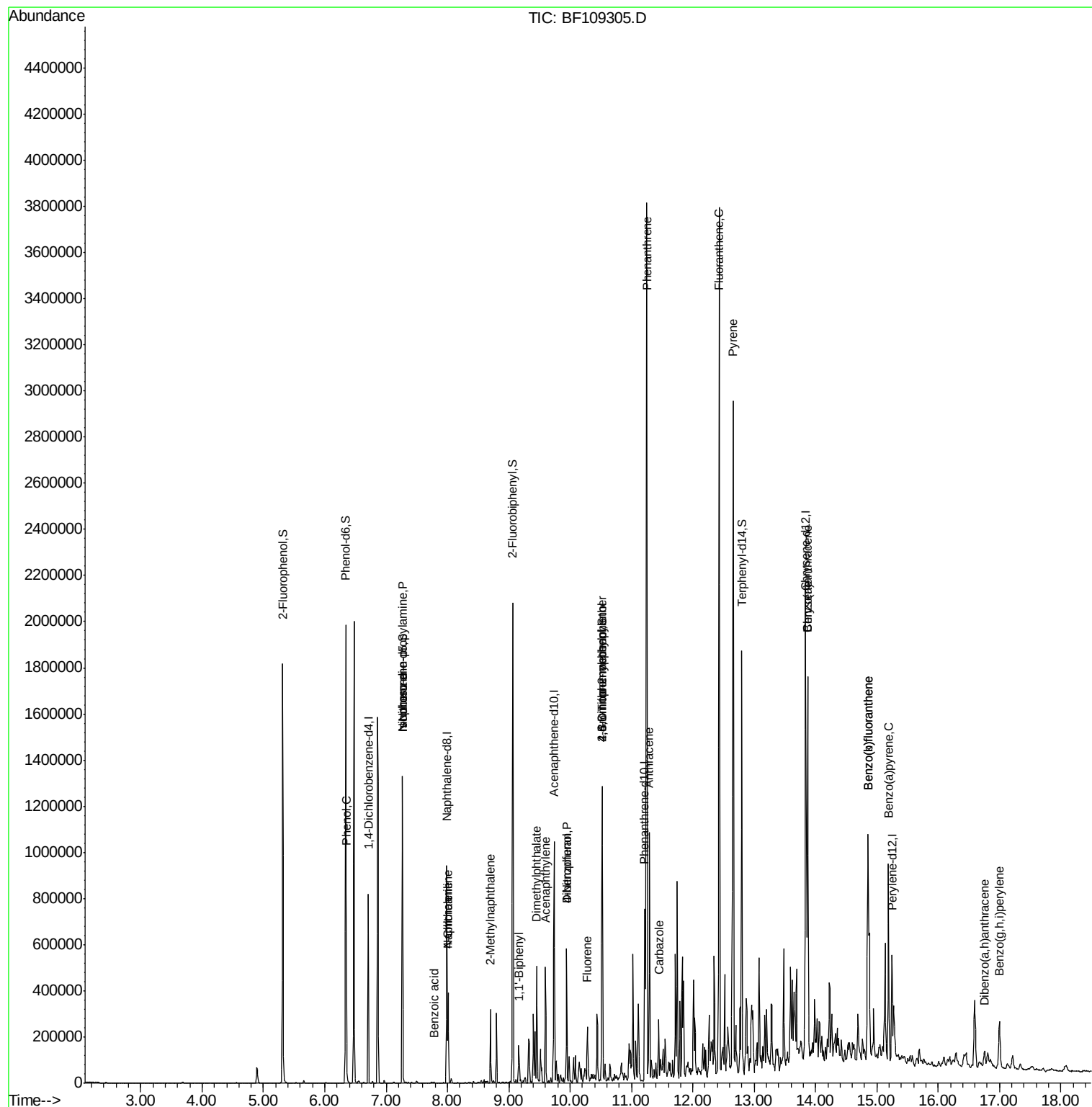
Target Compounds				Qvalue		
10) Phenol	6.36	94	28759	2.858	ng	97
19) n-Nitroso-di-n-propylamine	7.27	70	52943	9.093	ng	# 77
25) Isophorone	7.27	82	334925	25.245	ng	# 64
31) Naphthalene	8.01	128	145266	7.148	ng	99
32) Benzoic acid	7.79	122	827	6.978	ng	# 26
33) 4-Chloroaniline	8.01	127	18515	2.085	ng	# 30
37) 2-Methylnaphthalene	8.70	142	84303	6.434	ng	99
45) 1,1'-Biphenyl	9.16	154	38712	2.579	ng	99
48) Acenaphthylene	9.60	152	167361	9.252	ng	99
49) Dimethylphthalate	9.46	163	178745	13.341	ng	99
54) Dibenzofuran	9.95	168	192377	11.829	ng	97
55) 4-Nitrophenol	9.95	139	72080	31.137	ng	# 10
57) Fluorene	10.29	166	45761	3.943	ng	99
64) 4,6-Dinitro-2-methylphenol	10.52	198	276	6.715	ng	# 1
66) 4-Bromophenyl-phenylether	10.52	248	6933	2.042	ng	# 1
70) Phenanthrene	11.25	178	1549312	101.490	ng	99
71) Anthracene	11.29	178	373166	24.101	ng	99
72) Carbazole	11.44	167	94052	6.105	ng	98
74) Fluoranthene	12.43	202	1603117	98.266	ng	97
77) Pvrene	12.66	202	1384464	78.335	ng	99
80) Benzo(a)anthracene	13.87	228	564381	37.996	ng	95
82) Chrysene	13.87	228	564381	38.335	ng	97
87) Benzo(b)fluoranthene	14.86	252	672747	61.971	ng	98
88) Benzo(k)fluoranthene	14.86	252	672747	65.307	ng	99
89) Benzo(a)pyrene	15.19	252	353054	36.092	ng	97
90) Dibenzo(a,h)anthracene	16.76	278	43163	5.379	ng	94
91) Benzo(g,h,i)perylene	17.00	276	146946	18.631	ng	94

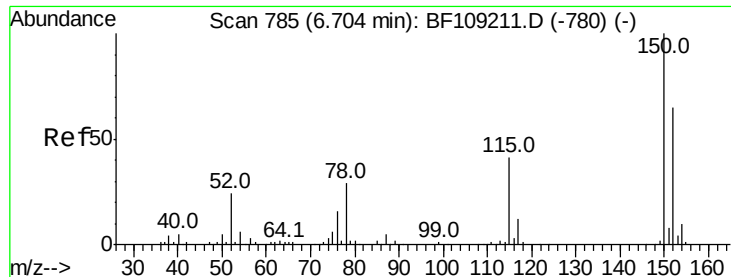
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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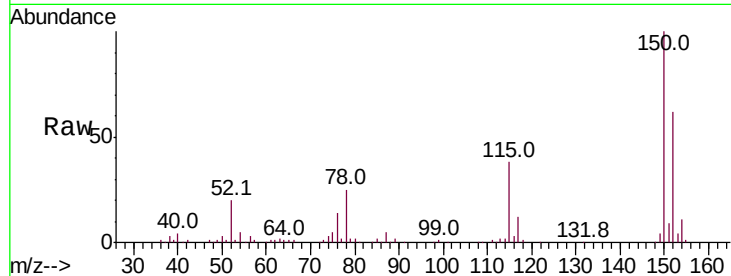


#1

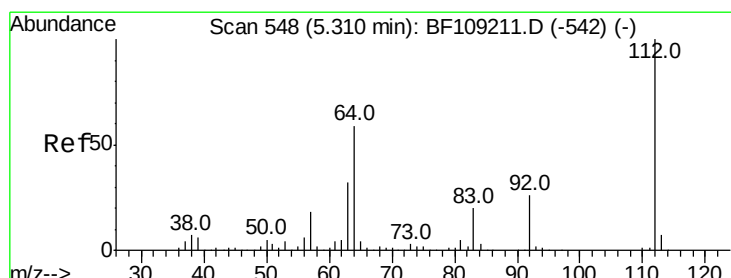
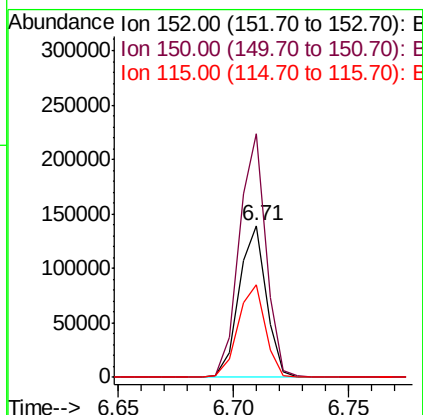
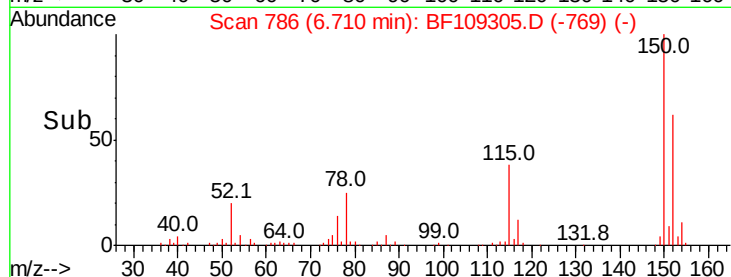
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.71 min Scan# 786
Delta R.T. -0.00 min
Lab File: BF109305.D
Acq: 25 Sep 2018 23:54

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 114689
Ion Ratio Lower Upper
152 100
150 160.6 124.6 186.8
115 61.4 50.1 75.1



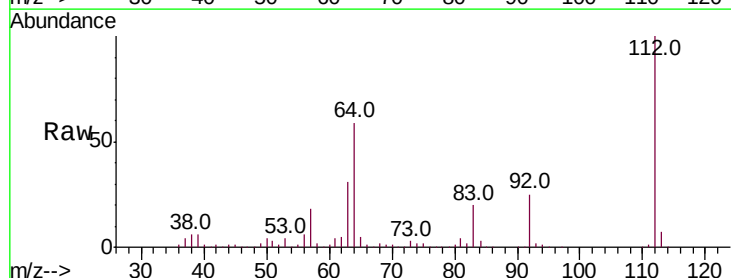
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



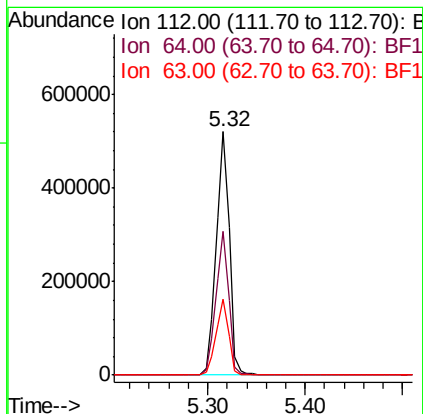
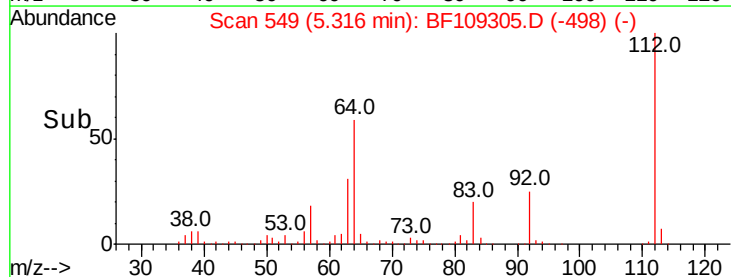
#5

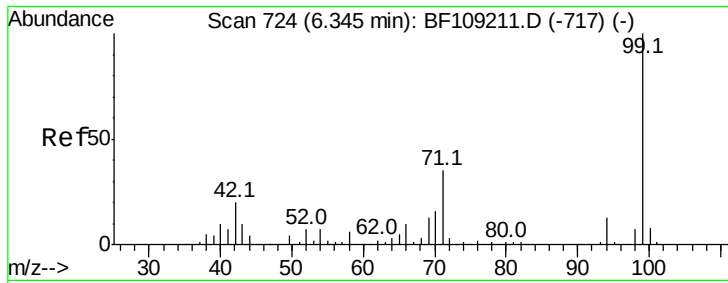
2-Fluorophenol
Concen: 69.808 ng
RT: 5.32 min Scan# 549
Delta R.T. -0.00 min
Lab File: BF109305.D
Acq: 25 Sep 2018 23:54

Tgt Ion:112 Resp: 486086
Ion Ratio Lower Upper
112 100
64 59.2 47.9 71.9
63 30.9 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: 71.987 ng

RT: 6.35 min Scan# 724

Delta R.T. -0.01 min

Lab File: BF109305.D

Acq: 25 Sep 2018 23:54

Instrument :

BNA_F

ClientSampleId :

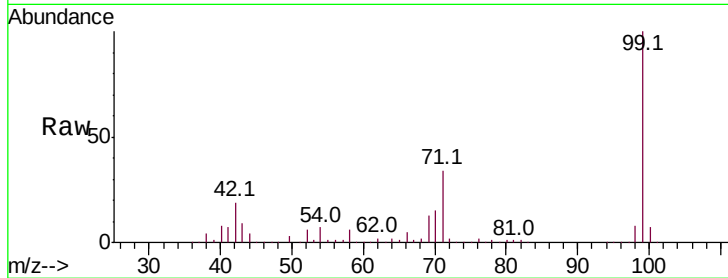
Tot Ion: 99 Resp: 639626

Ion Ratio Lower Upper

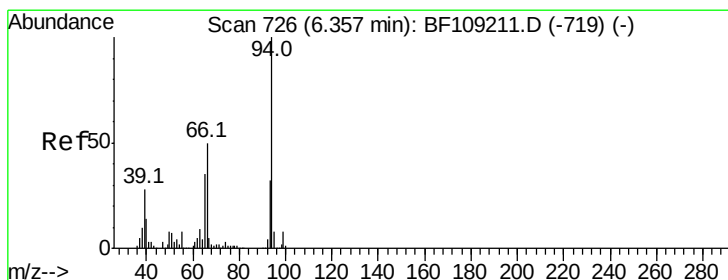
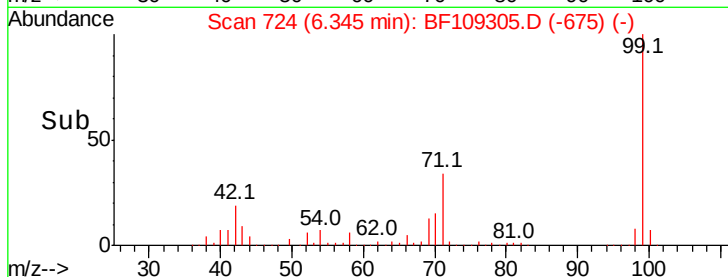
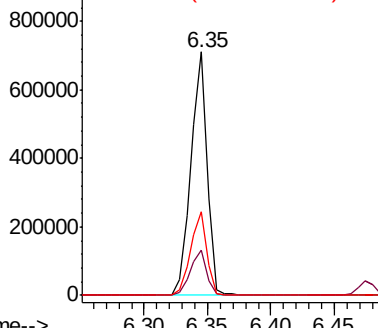
99 100

42 18.8 14.5 21.7

71 34.4 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



#10

Phenol

Concen: 2.858 ng

RT: 6.36 min Scan# 726

Delta R.T. -0.02 min

Lab File: BF109305.D

Acq: 25 Sep 2018 23:54

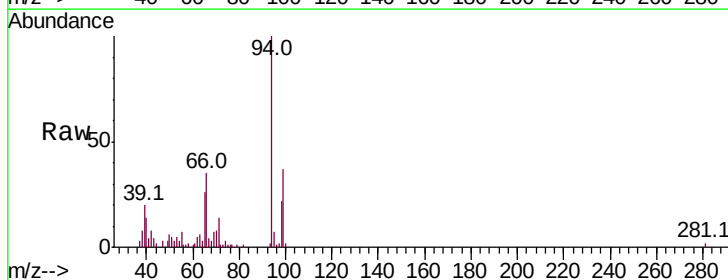
Tgt Ion: 94 Resp: 28759

Ion Ratio Lower Upper

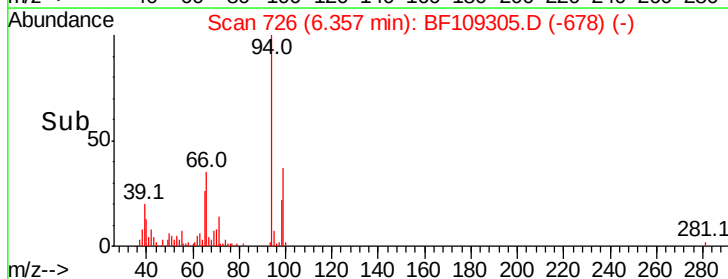
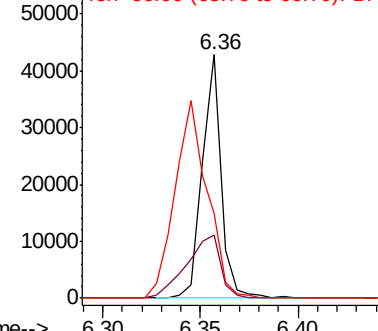
94 100

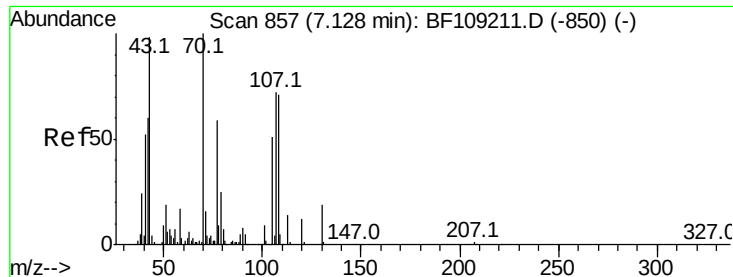
65 26.1 7.9 47.9

66 35.0 16.2 56.2



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1

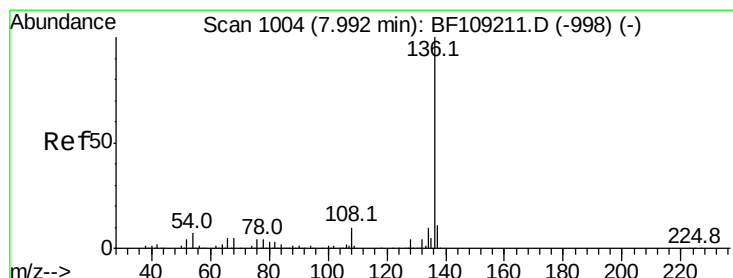
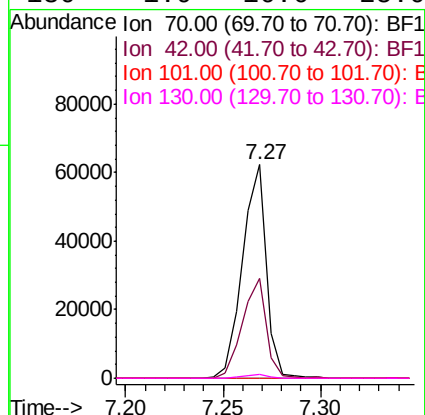
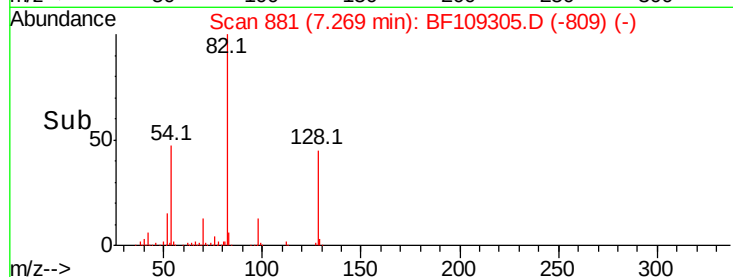
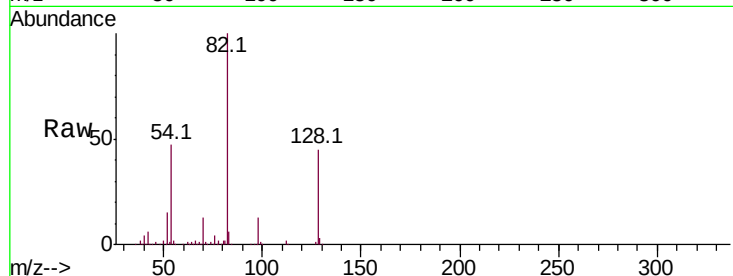




#19
n-Nitroso-di-n-propylamine
Concen: 9.093 ng
RT: 7.27 min Scan# 881
Delta R.T. 0.12 min
Lab File: BF109305.D
Acq: 25 Sep 2018 23:54

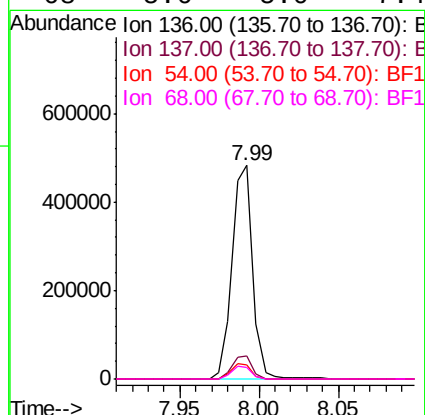
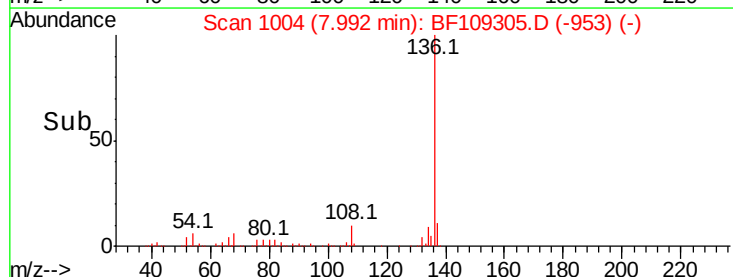
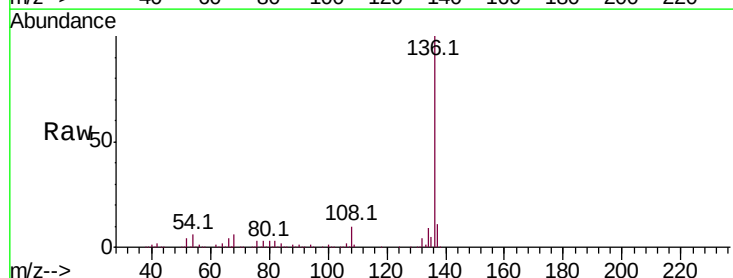
Instrument :
BNA_F
ClientSampleId :

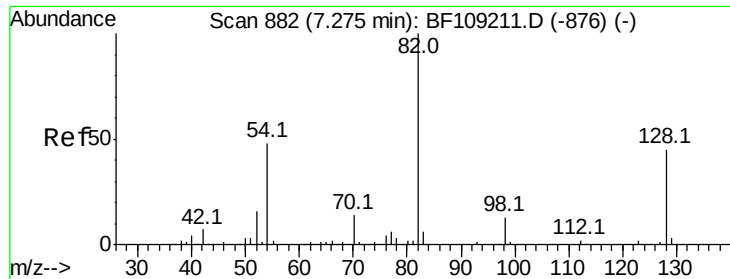
Tot Ion: 70 Resp: 52943
Ion Ratio Lower Upper
70 100
42 46.8 47.5 71.3#
101 0.0 7.4 11.2#
130 1.9 16.6 25.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.99 min Scan# 1004
Delta R.T. -0.00 min
Lab File: BF109305.D
Acq: 25 Sep 2018 23:54

Tgt Ion: 136 Resp: 434922
Ion Ratio Lower Upper
136 100
137 10.7 8.9 13.3
54 6.4 6.6 9.8#
68 5.6 5.0 7.4

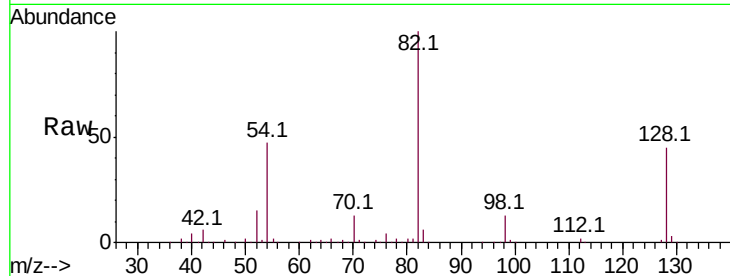




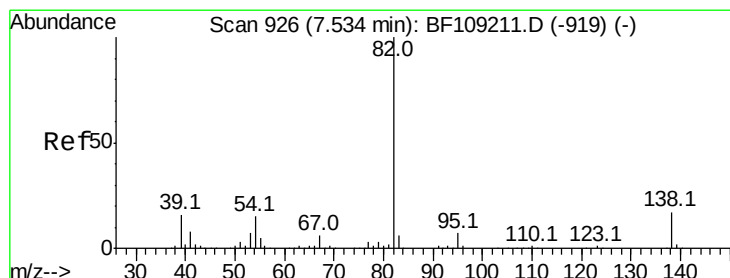
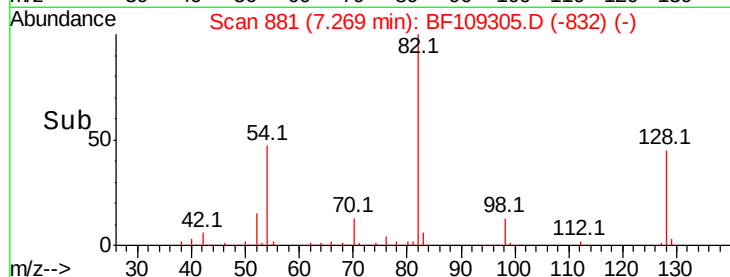
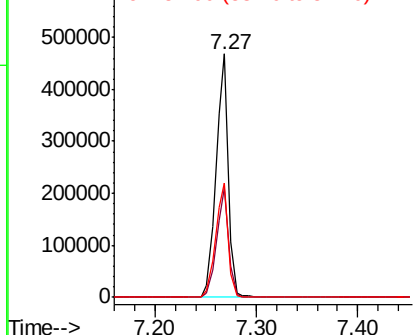
#23
Nitrobenzene-d5
Concen: 53.557 ng
RT: 7.27 min Scan# 881
Delta R.T. -0.01 min
Lab File: BF109305.D
Acq: 25 Sep 2018 23:54

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
82	100		
128	44.8	36.1	54.1
54	47.1	41.4	62.2

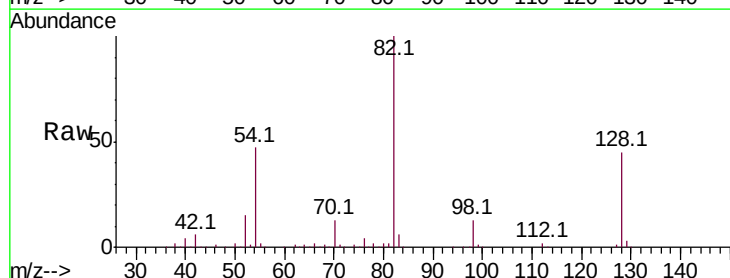


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

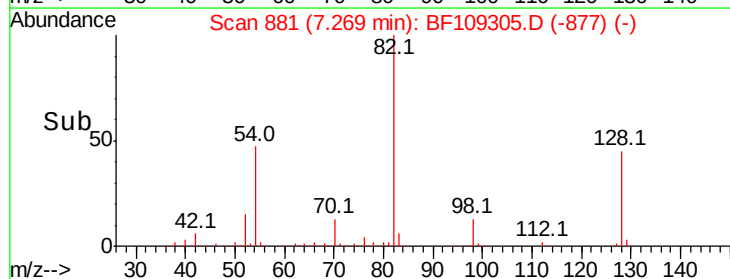
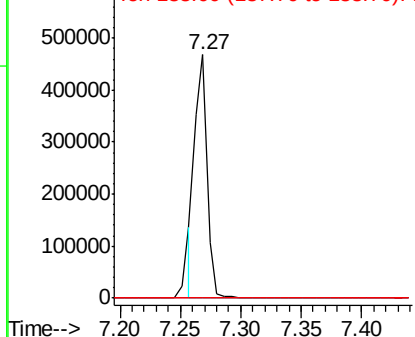


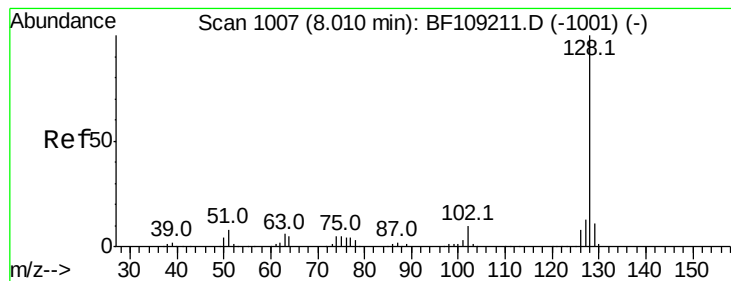
#25
Isophorone
Concen: 25.245 ng
RT: 7.27 min Scan# 881
Delta R.T. -0.28 min
Lab File: BF109305.D
Acq: 25 Sep 2018 23:54

Tgt 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





#31

Naphthalene

Concen: 7.148 ng

RT: 8.01 min Scan# 1007

Delta R.T. -0.01 min

Lab File: BF109305.D

Acq: 25 Sep 2018 23:54

Instrument :

BNA_F

ClientSampleId :

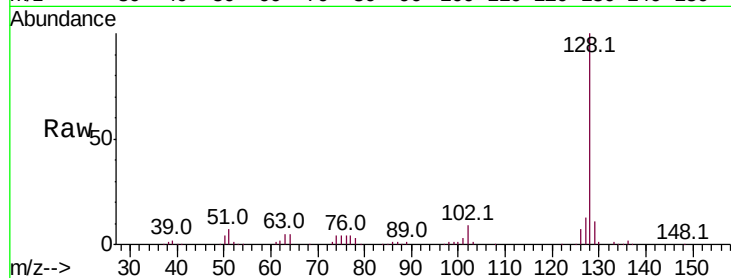
Tot Ion:128 Resp: 145266

Ion Ratio Lower Upper

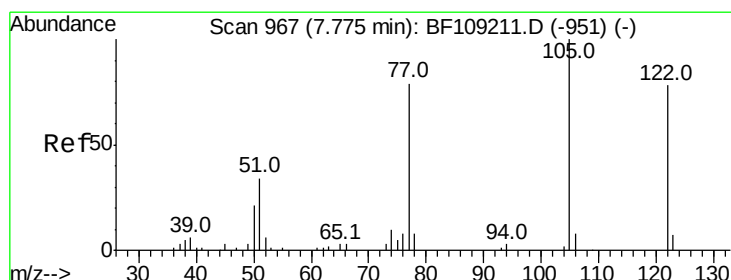
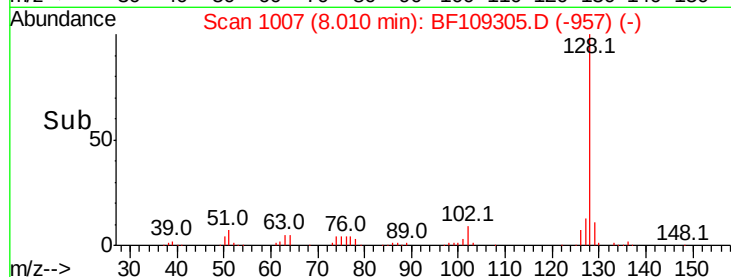
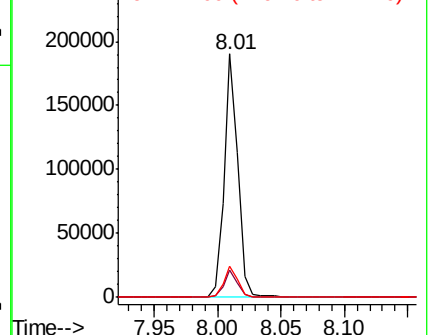
128 100

129 11.2 8.8 13.2

127 12.8 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: 6.978 ng

RT: 7.79 min Scan# 969

Delta R.T. -0.03 min

Lab File: BF109305.D

Acq: 25 Sep 2018 23:54

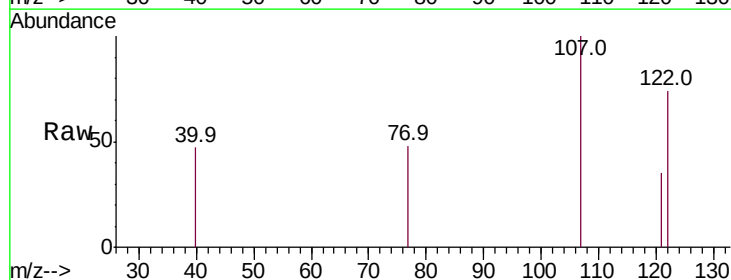
Tgt Ion:122 Resp: 827

Ion Ratio Lower Upper

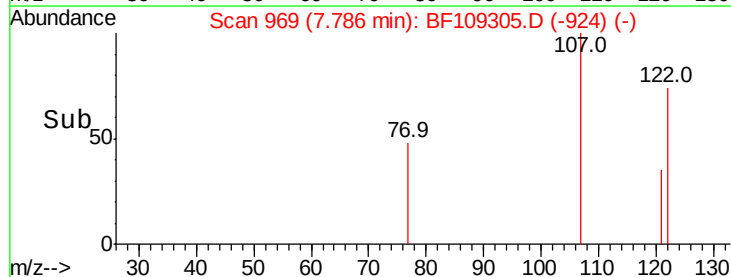
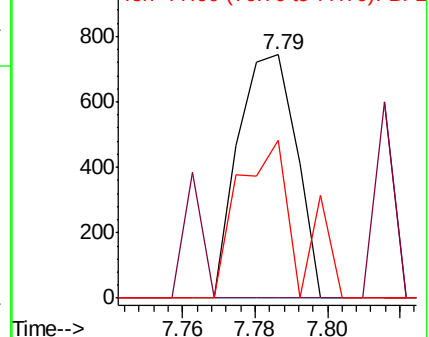
122 100

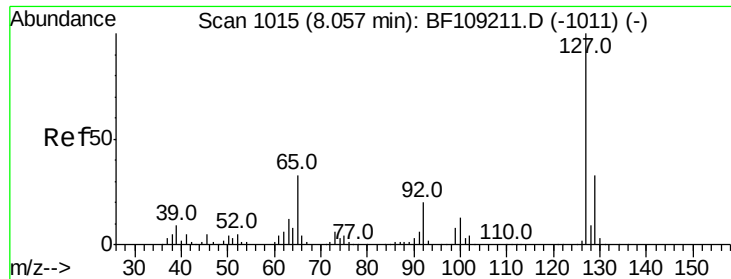
105 0.0 101.1 141.1#

77 64.7 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

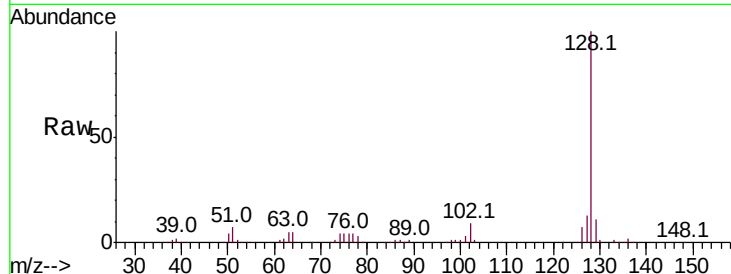




#33
 4-Chloroaniline
 Concen: 2.085 ng
 RT: 8.01 min Scan# 1007
 Delta R.T. -0.05 min
 Lab File: BF109305.D
 Acq: 25 Sep 2018 23:54

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
127	100		
129	87.6	25.9	38.9#
65	0.0	25.0	37.4#
92	0.0	15.2	22.8#



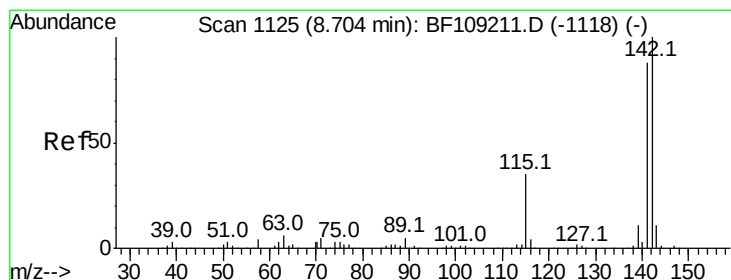
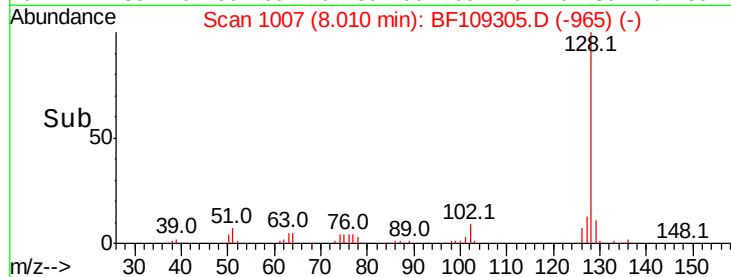
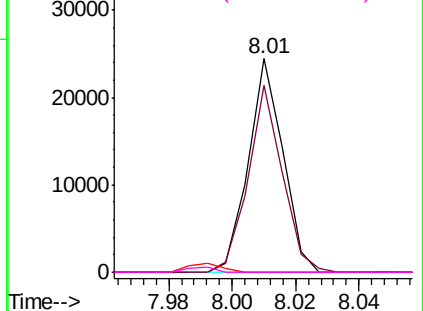
Abundance

Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

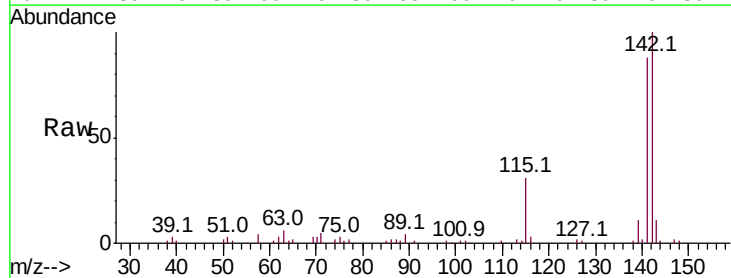
Ion 65.00 (64.70 to 65.70): BF1

Ion 92.00 (91.70 to 92.70): BF1



#37
 2-Methylnaphthalene
 Concen: 6.434 ng
 RT: 8.70 min Scan# 1125
 Delta R.T. -0.00 min
 Lab File: BF109305.D
 Acq: 25 Sep 2018 23:54

Tgt Ion	Ratio	Lower	Upper
142	100		
141	87.6	70.8	106.2
115	31.1	26.1	39.1

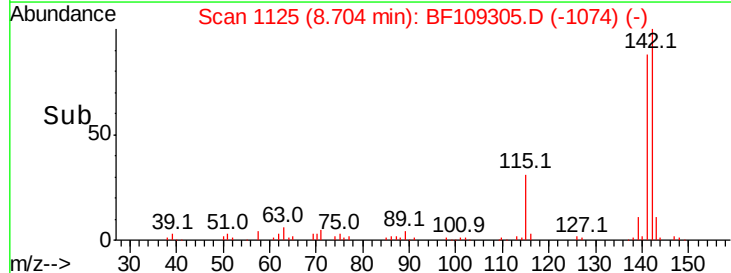
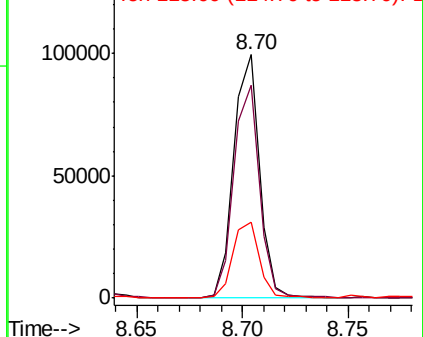


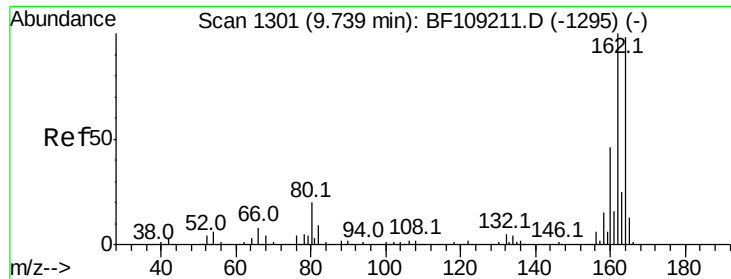
Abundance

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

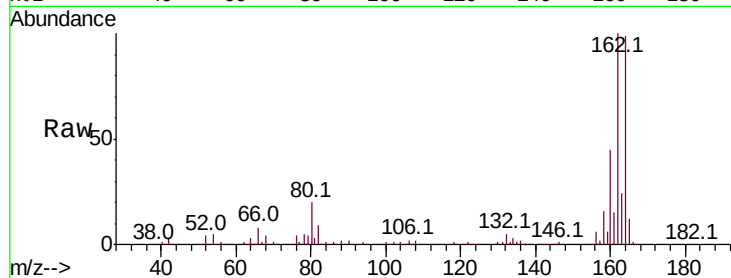




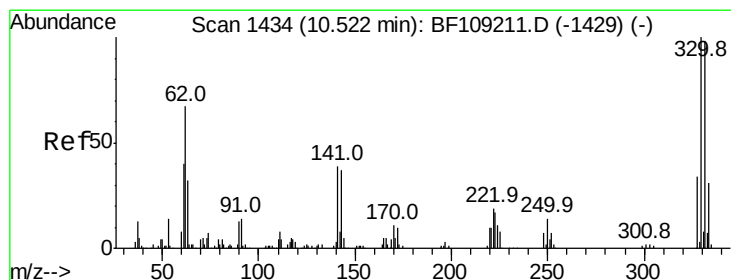
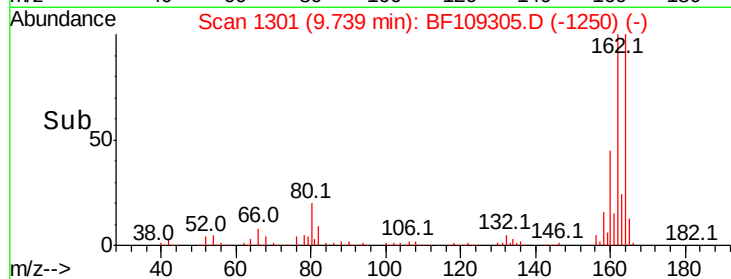
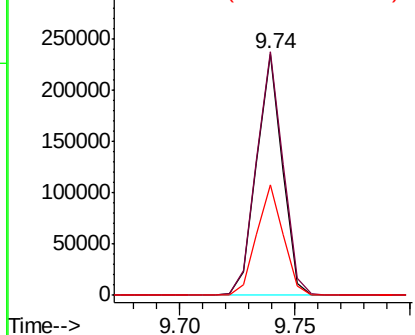
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.74 min Scan# 1301
 Delta R.T. -0.00 min
 Lab File: BF109305.D
 Acq: 25 Sep 2018 23:54

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:164 Resp: 184210
 Ion Ratio Lower Upper
 164 100
 162 100.8 86.1 129.1
 160 45.7 38.3 57.5

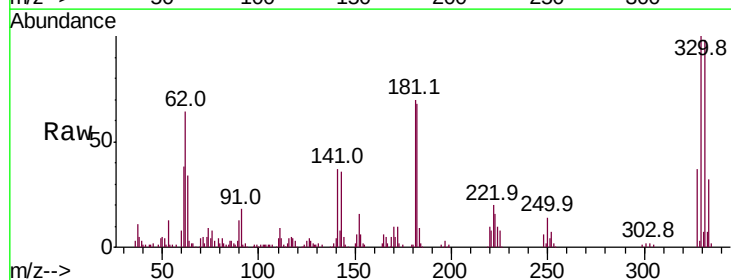


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

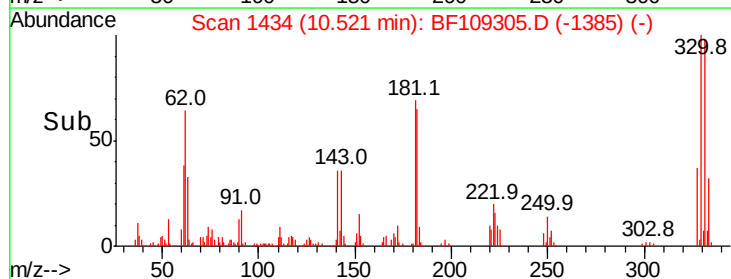
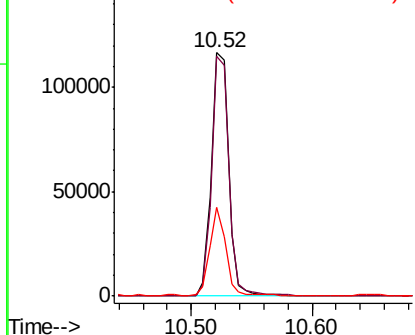


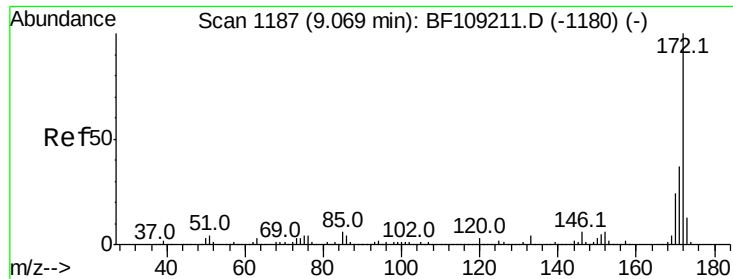
#41
 2,4,6-Tribromophenol
 Concen: 63.735 ng
 RT: 10.52 min Scan# 1434
 Delta R.T. -0.01 min
 Lab File: BF109305.D
 Acq: 25 Sep 2018 23:54

Tgt Ion:330 Resp: 115739
 Ion Ratio Lower Upper
 330 100
 332 97.1 77.0 115.6
 141 34.1 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



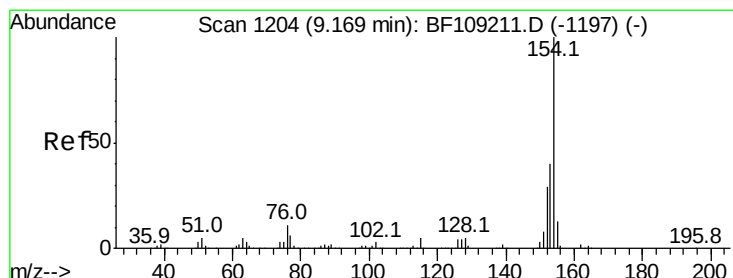
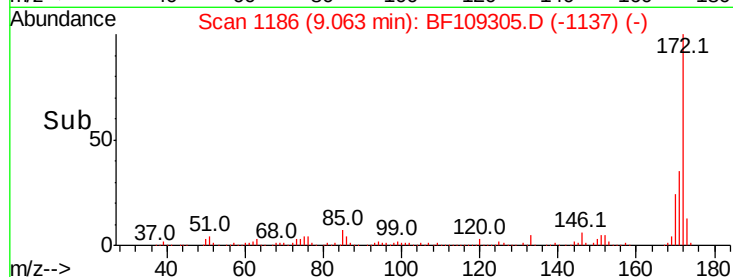
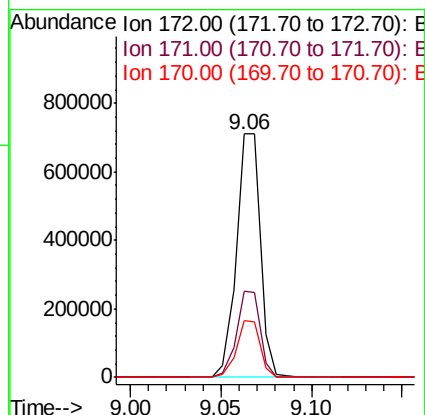
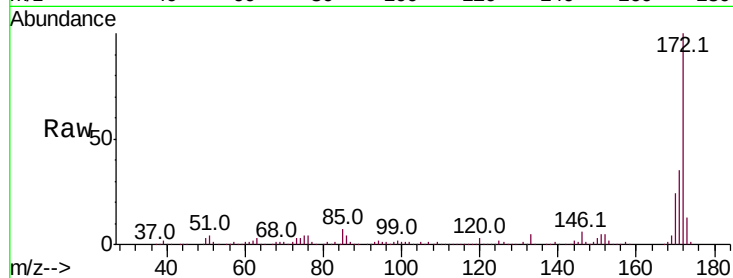


#44
 2-Fluorobiphenyl
 Concen: 53.620 ng
 RT: 9.06 min Scan# 1186
 Delta R.T. -0.01 min
 Lab File: BF109305.D
 Acq: 25 Sep 2018 23:54

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:172 Resp: 654916

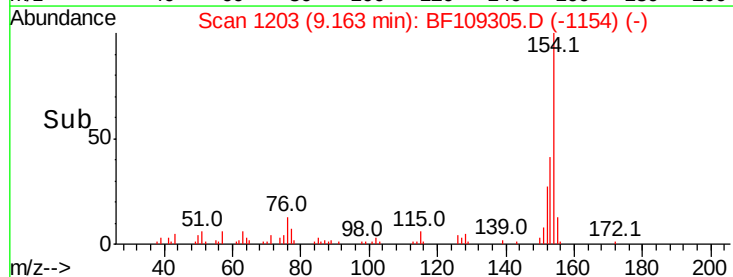
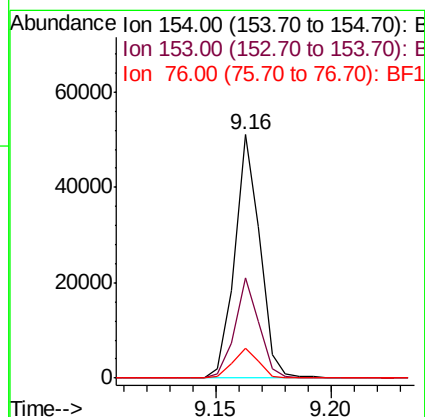
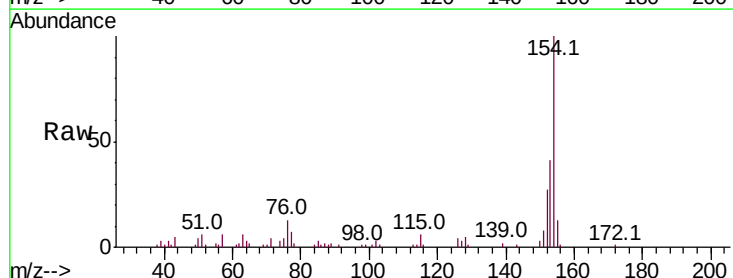
Ion	Ratio	Lower	Upper
172	100		
171	35.3	29.7	44.5
170	23.6	19.6	29.4

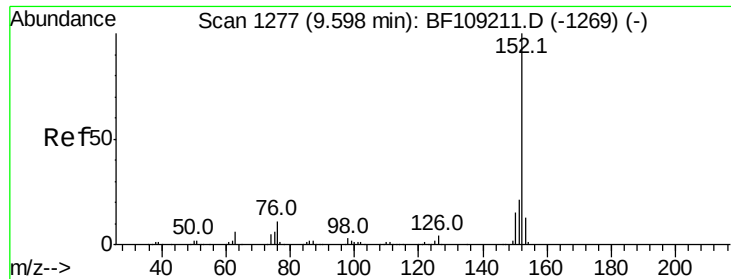


#45
 1,1'-Biphenyl
 Concen: 2.579 ng
 RT: 9.16 min Scan# 1203
 Delta R.T. -0.01 min
 Lab File: BF109305.D
 Acq: 25 Sep 2018 23:54

Tgt Ion:154 Resp: 38712

Ion	Ratio	Lower	Upper
154	100		
153	41.2	21.3	61.3
76	12.5	0.0	34.0





#48

Acenaphthylene

Concen: 9.252 ng

RT: 9.60 min Scan# 1277

Delta R.T. -0.01 min

Lab File: BF109305.D

Acq: 25 Sep 2018 23:54

Instrument :

BNA_F

ClientSampled :

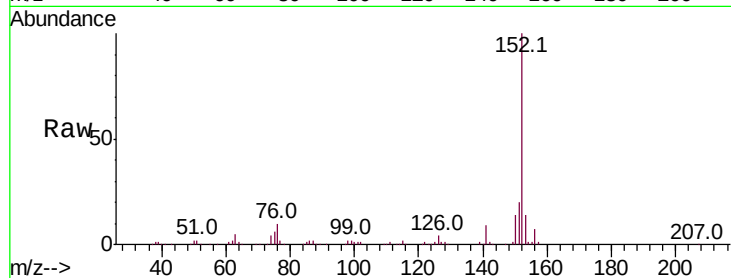
Tot Ion:152 Resp: 167361

Ion Ratio Lower Upper

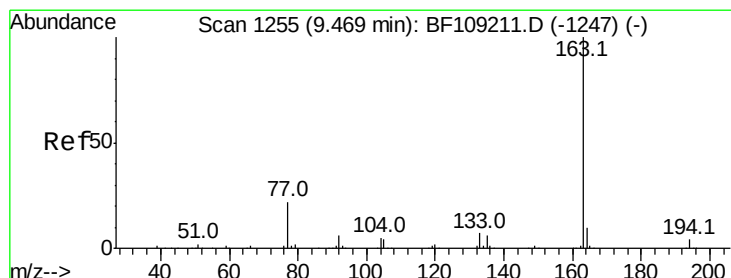
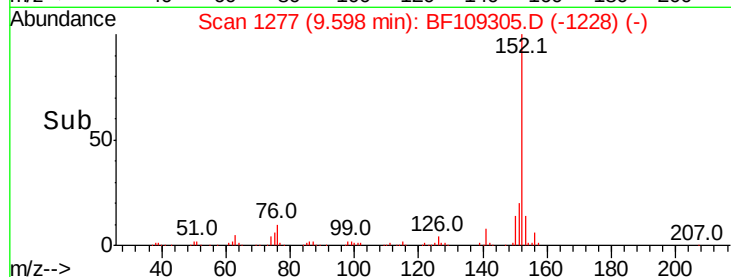
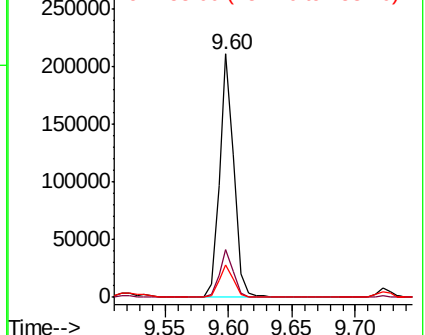
152 100

151 19.8 16.3 24.5

153 13.5 10.7 16.1



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



#49

Dimethylphthalate

Concen: 13.341 ng

RT: 9.46 min Scan# 1253

Delta R.T. -0.02 min

Lab File: BF109305.D

Acq: 25 Sep 2018 23:54

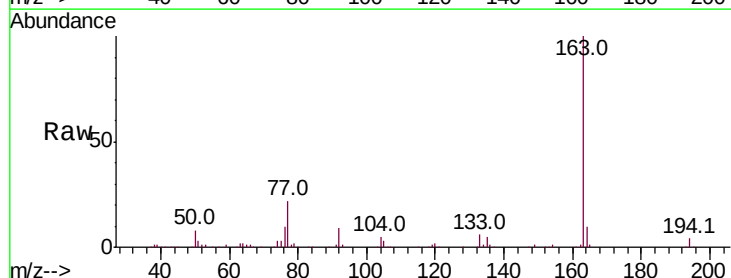
Tgt Ion:163 Resp: 178745

Ion Ratio Lower Upper

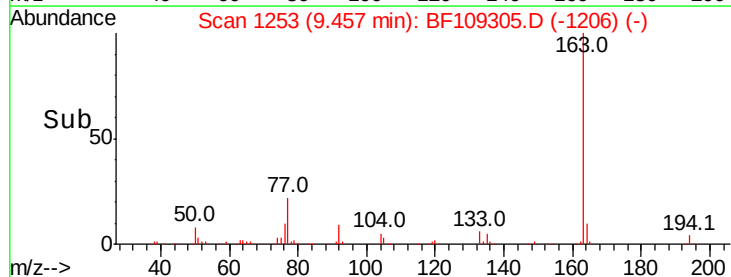
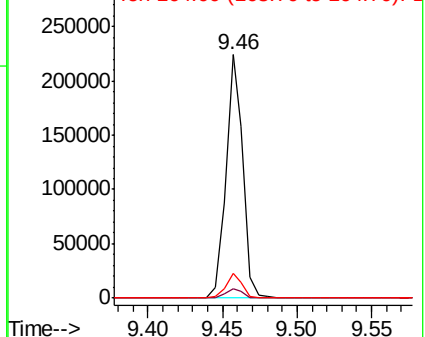
163 100

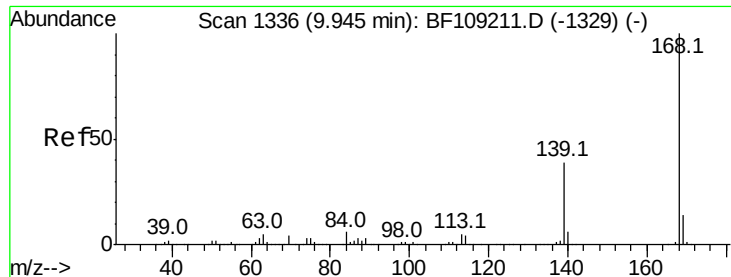
194 3.9 2.7 4.1

164 10.4 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

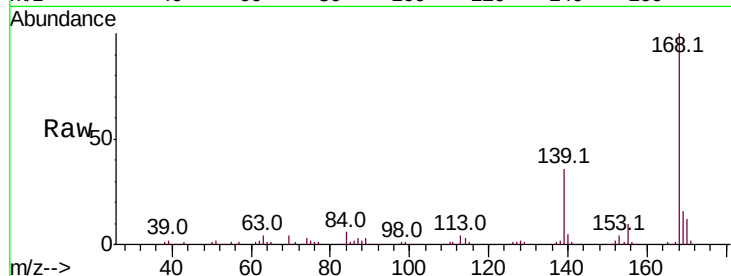




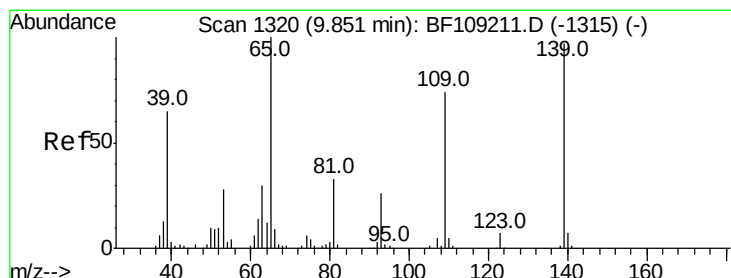
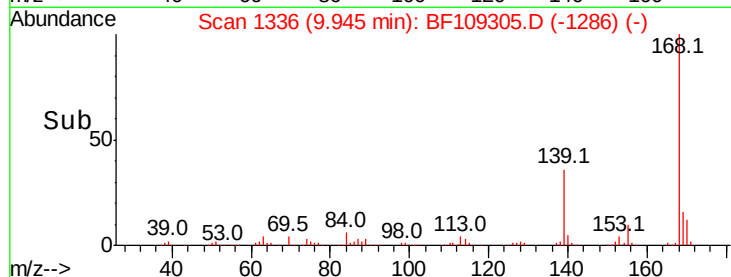
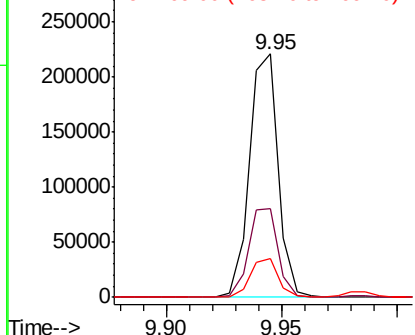
#54
Dibenzenofuran
Concen: 11.829 ng
RT: 9.95 min Scan# 1336
Delta R.T. -0.01 min
Lab File: BF109305.D
Acq: 25 Sep 2018 23:54

Instrument :
BNA_F
ClientSampled :

Tot Ion:168 Resp: 192377
Ion Ratio Lower Upper
168 100
139 36.3 30.1 45.1
169 16.0 10.9 16.3

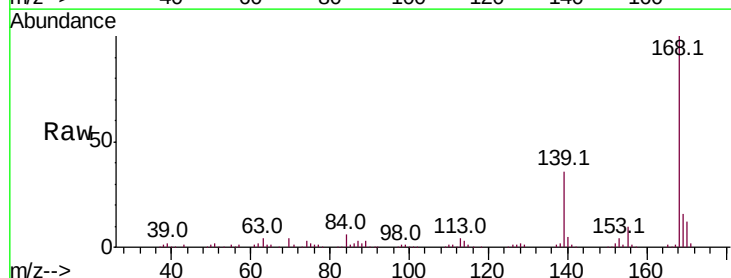


Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E

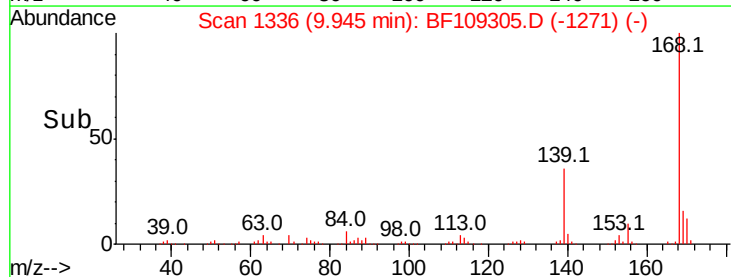
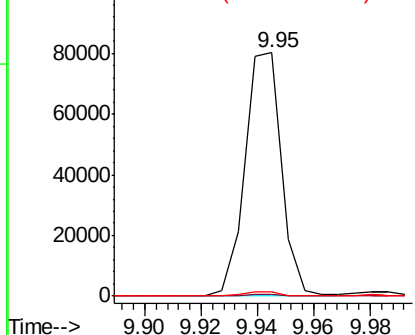


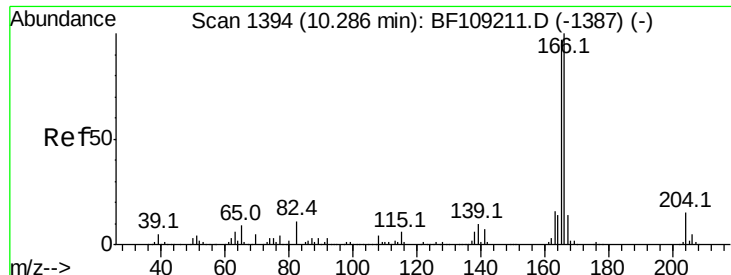
#55
4-Nitrophenol
Concen: 31.137 ng
RT: 9.95 min Scan# 1336
Delta R.T. 0.08 min
Lab File: BF109305.D
Acq: 25 Sep 2018 23:54

Tgt Ion:139 Resp: 72080
Ion Ratio Lower Upper
139 100
109 0.8 48.4 88.4#
65 2.0 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

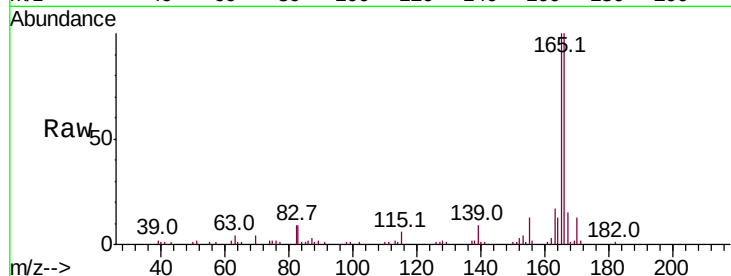




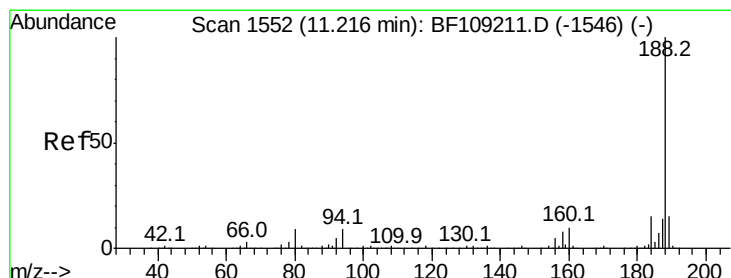
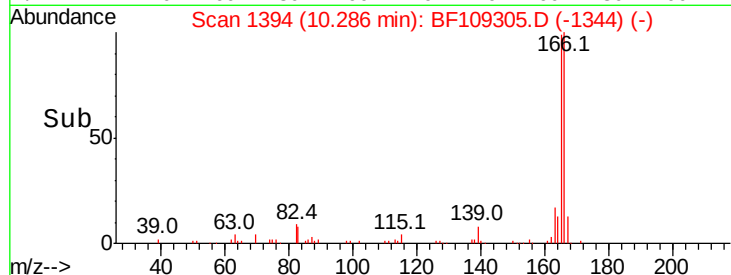
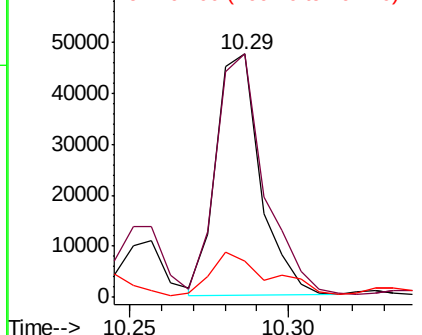
#57
Fluorene
 Concen: 3.943 ng
 RT: 10.29 min Scan# 1394
 Delta R.T. -0.01 min
 Lab File: BF109305.D
 Acq: 25 Sep 2018 23:54

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:166 Resp: 45761
 Ion Ratio Lower Upper
 166 100
 165 100.0 79.8 119.8
 167 14.9 10.6 16.0

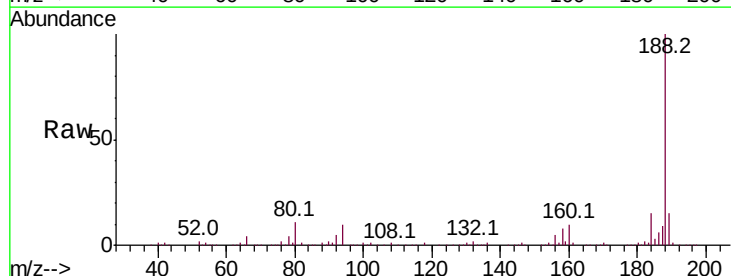


Abundance Ion 166.00 (165.70 to 166.70): E
 Ion 165.00 (164.70 to 165.70): E
 Ion 167.00 (166.70 to 167.70): E

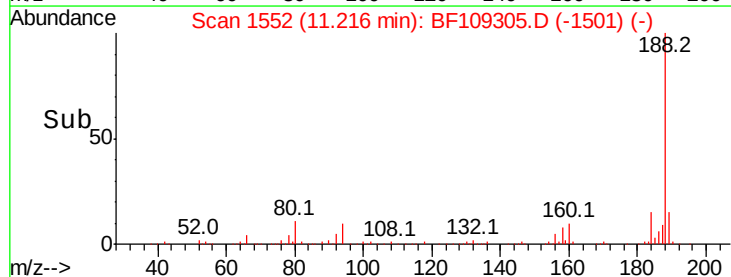
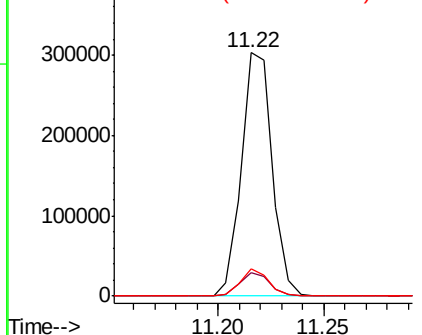


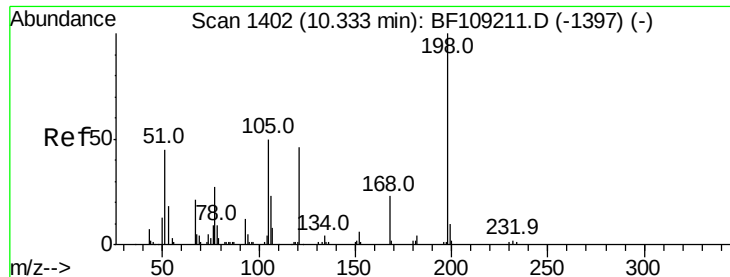
#63
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.22 min Scan# 1552
 Delta R.T. -0.00 min
 Lab File: BF109305.D
 Acq: 25 Sep 2018 23:54

Tgt Ion:188 Resp: 305744
 Ion Ratio Lower Upper
 188 100
 94 9.8 8.5 12.7
 80 11.0 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: 6.715 ng

RT: 10.52 min Scan# 1434

Delta R.T. 0.18 min

Lab File: BF109305.D

Acq: 25 Sep 2018 23:54

Instrument :

BNA_F

ClientSampleId :

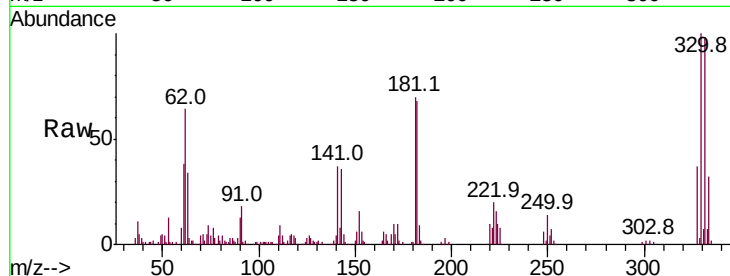
Tot Ion:198 Resp: 276

Ion Ratio Lower Upper

198 100

51 914.8 37.7 77.7#

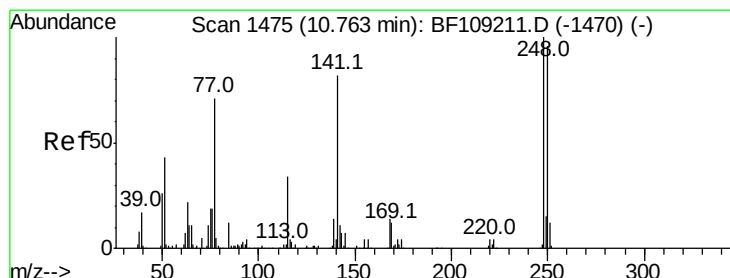
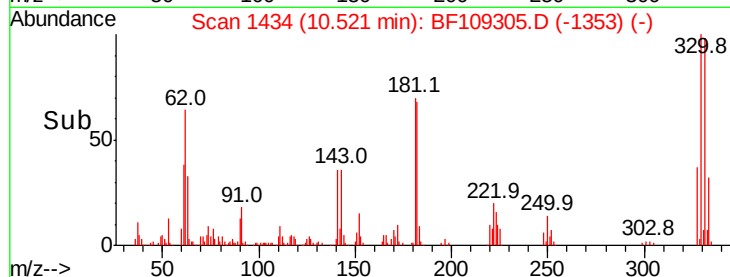
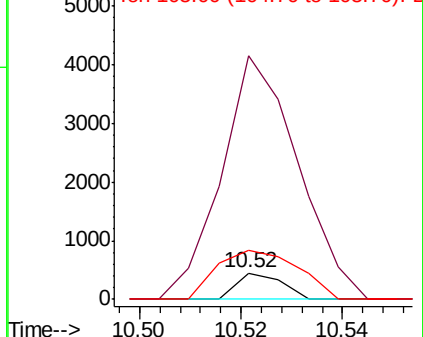
105 183.3 36.3 76.3#



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



#66

4-Bromophenyl-phenylether

Concen: 2.042 ng

RT: 10.52 min Scan# 1434

Delta R.T. -0.25 min

Lab File: BF109305.D

Acq: 25 Sep 2018 23:54

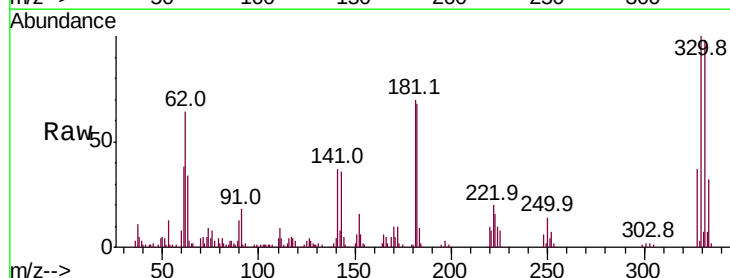
Tgt Ion:248 Resp: 6933

Ion Ratio Lower Upper

248 100

250 209.7 76.9 115.3#

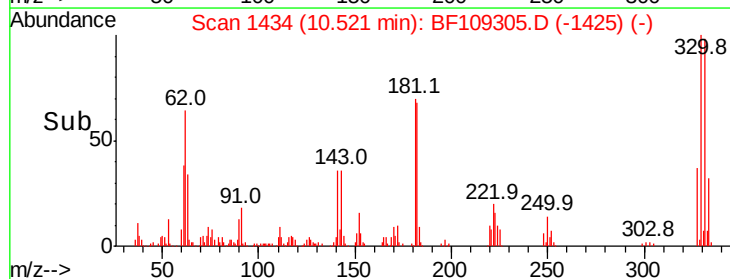
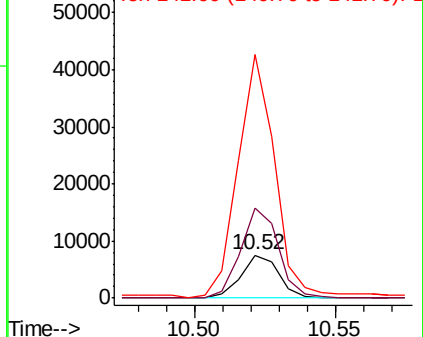
141 565.6 74.4 111.6#

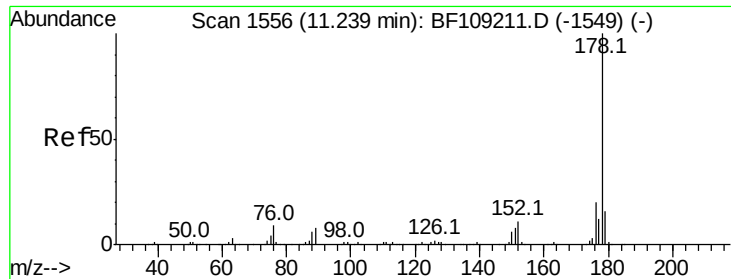


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#70

Phenanthrene

Concen: 101.490 ng

RT: 11.25 min Scan# 1558

Delta R.T. 0.01 min

Lab File: BF109305.D

Acq: 25 Sep 2018 23:54

Instrument :

BNA_F

ClientSampleId :

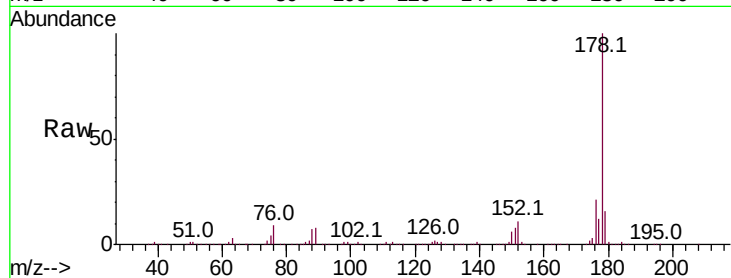
Tot Ion:178 Resp: 1549312

Ion Ratio Lower Upper

178 100

176 20.7 15.8 23.8

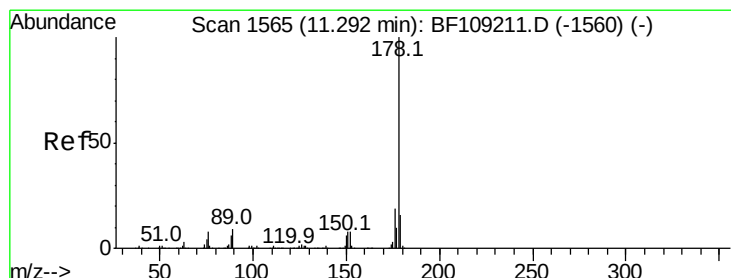
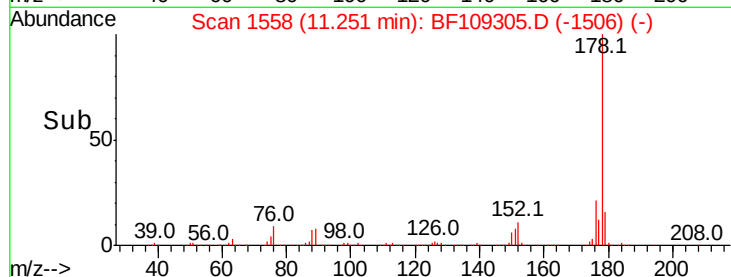
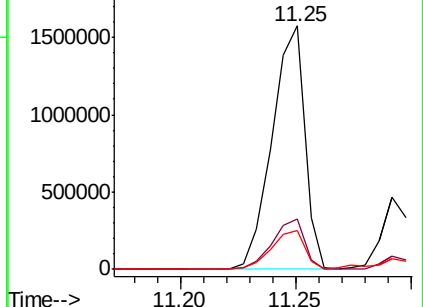
179 16.1 13.0 19.6



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: 24.101 ng

RT: 11.29 min Scan# 1565

Delta R.T. -0.01 min

Lab File: BF109305.D

Acq: 25 Sep 2018 23:54

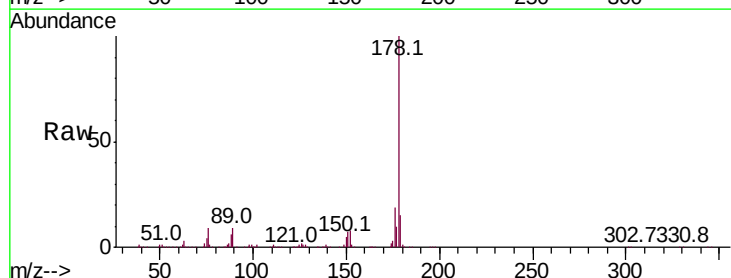
Tgt Ion:178 Resp: 373166

Ion Ratio Lower Upper

178 100

176 18.6 15.4 23.2

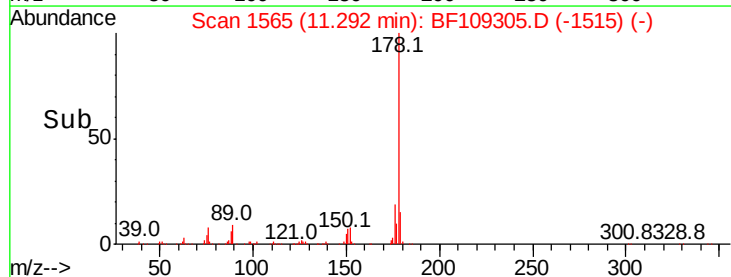
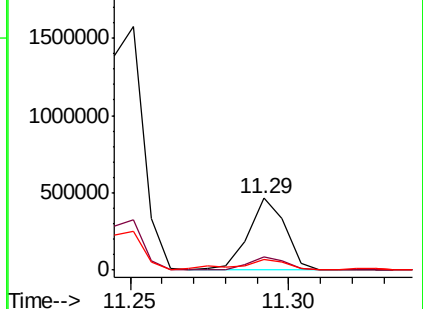
179 15.4 12.6 19.0

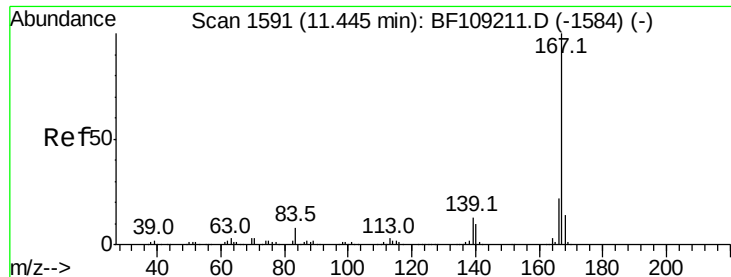


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

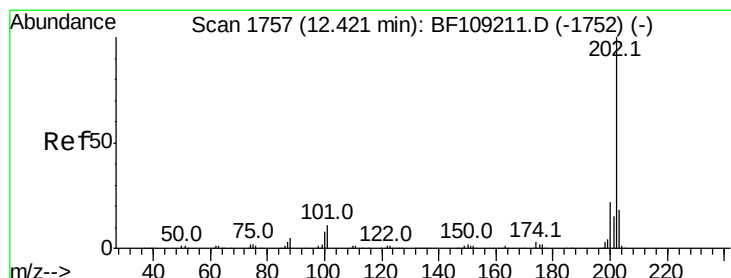
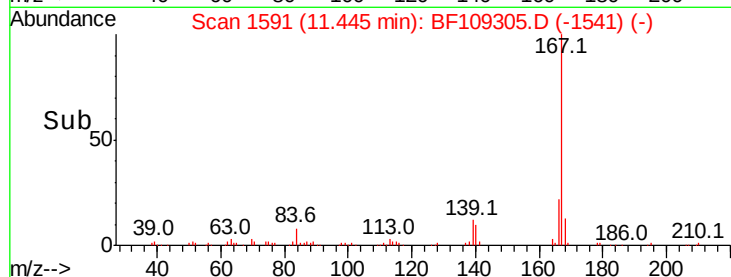
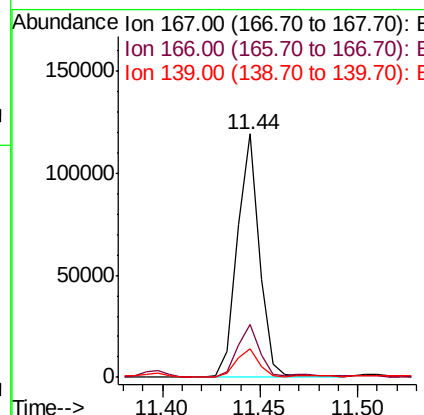
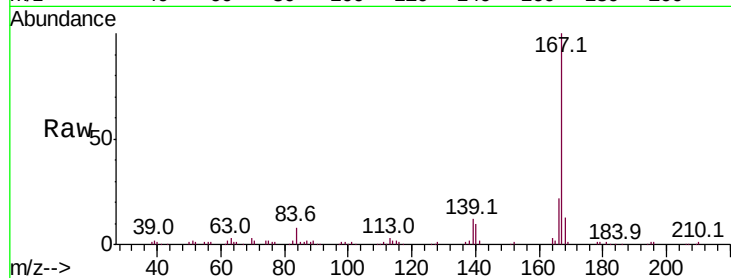




#72
 Carbazole
 Concen: 6.105 ng
 RT: 11.44 min Scan# 1591
 Delta R.T. -0.01 min
 Lab File: BF109305.D
 Acq: 25 Sep 2018 23:54

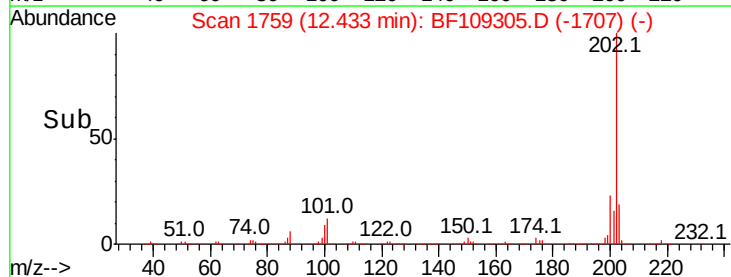
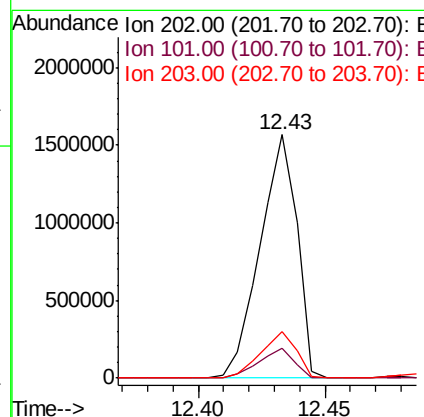
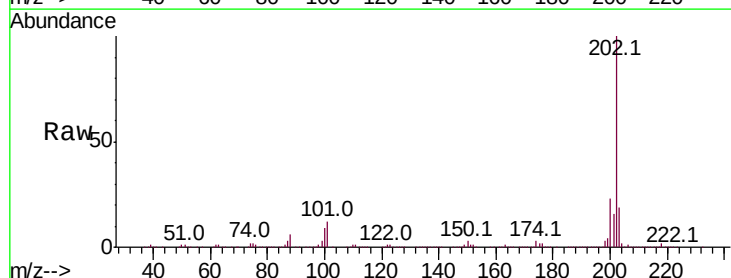
Instrument :
 BNA_F
 ClientSampleId :

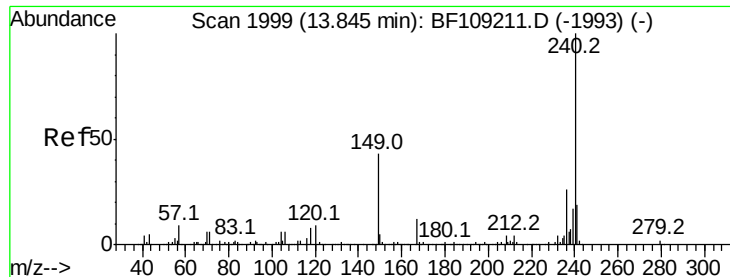
Tot Ion:167 Resp: 94052
 Ion Ratio Lower Upper
 167 100
 166 21.6 17.6 26.4
 139 11.9 10.9 16.3



#74
 Fluoranthene
 Concen: 98.266 ng
 RT: 12.43 min Scan# 1759
 Delta R.T. 0.01 min
 Lab File: BF109305.D
 Acq: 25 Sep 2018 23:54

Tgt Ion:202 Resp: 1603117
 Ion Ratio Lower Upper
 202 100
 101 12.3 0.0 34.1
 203 19.0 0.0 38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.85 min Scan# 2000

Delta R.T. 0.01 min

Lab File: BF109305.D

Acq: 25 Sep 2018 23:54

Instrument :

BNA_F

ClientSampleId :

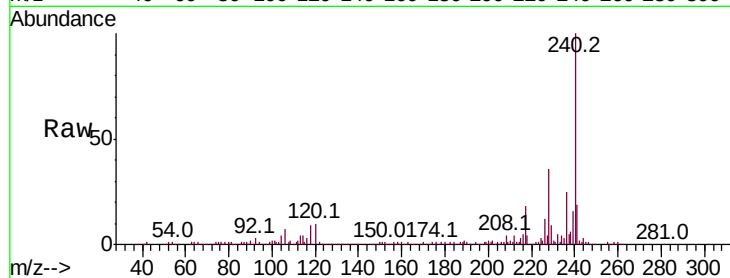
Tot Ion:240 Resp: 246602

Ion Ratio Lower Upper

240 100

120 10.1 9.5 14.3

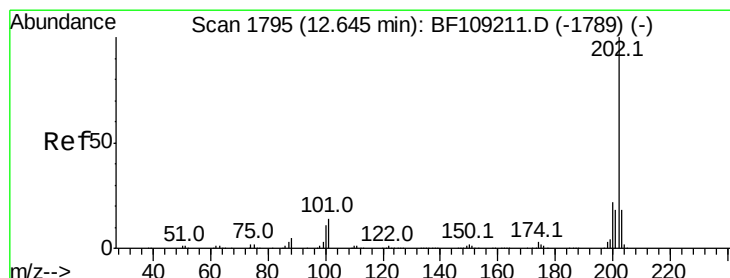
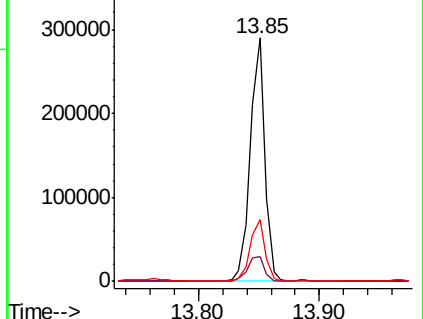
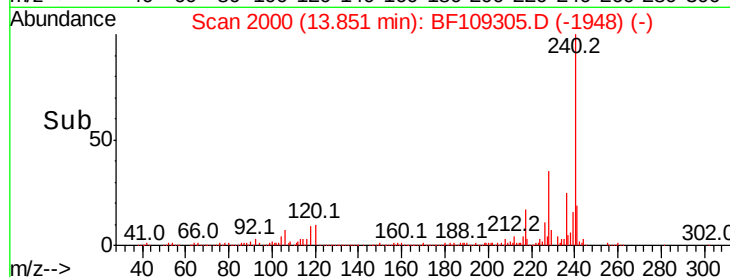
236 25.3 20.7 31.1



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: 78.335 ng

RT: 12.66 min Scan# 1798

Delta R.T. 0.01 min

Lab File: BF109305.D

Acq: 25 Sep 2018 23:54

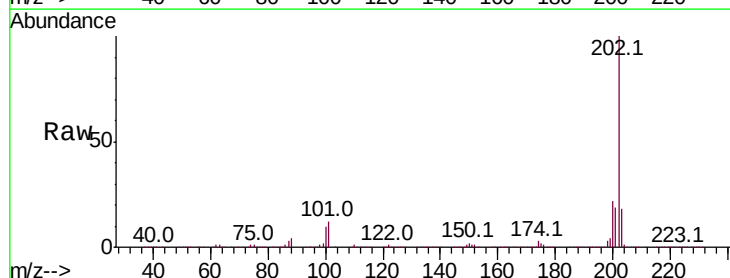
Tgt Ion:202 Resp: 1384464

Ion Ratio Lower Upper

202 100

200 22.3 17.4 26.2

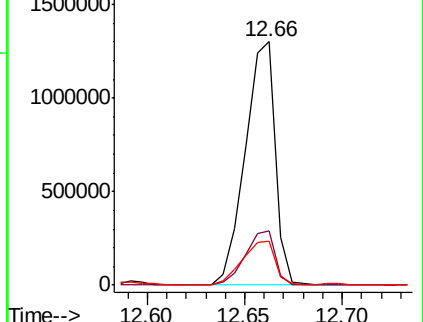
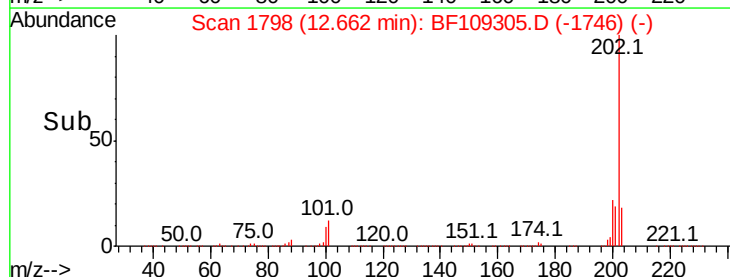
203 18.2 14.3 21.5

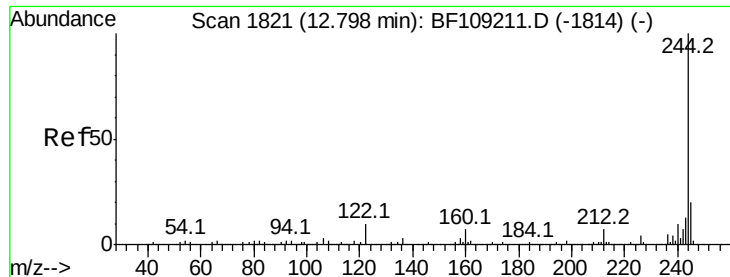


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

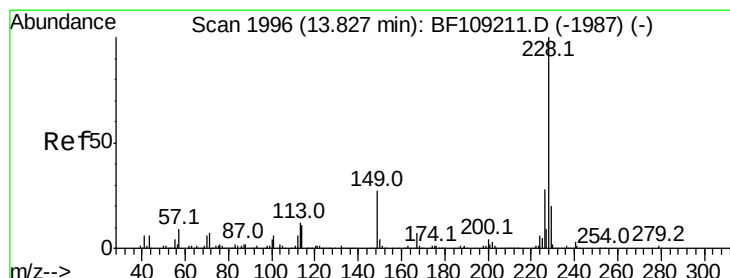
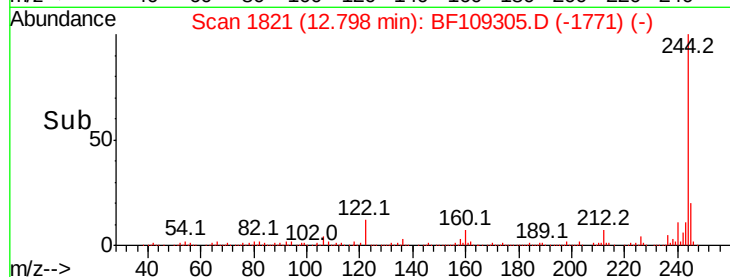
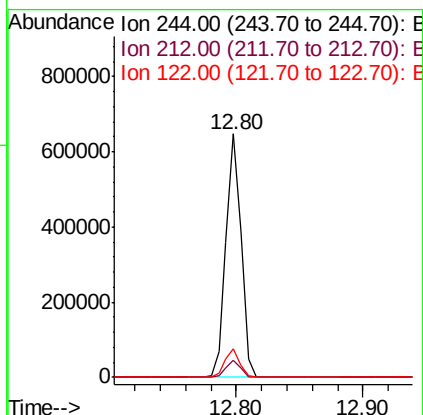
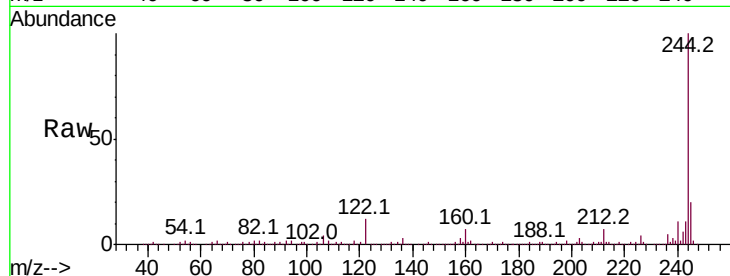




#78
 Terphenyl-d14
 Concen: 53.563 ng
 RT: 12.80 min Scan# 1821
 Delta R.T. -0.01 min
 Lab File: BF109305.D
 Acq: 25 Sep 2018 23:54

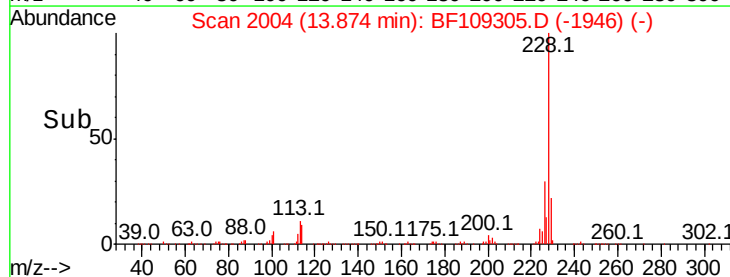
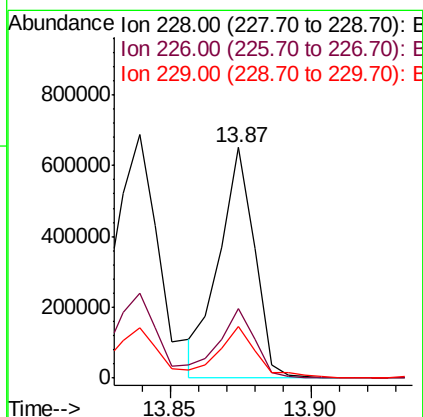
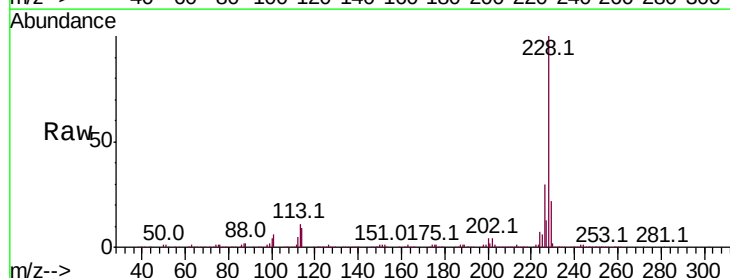
Instrument :
 BNA_F
 ClientSampleId :

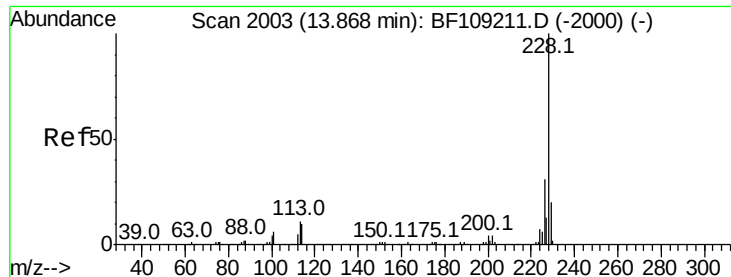
Tot Ion:244 Resp: 538222
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.4 8.0
 122 11.8 11.0 16.4



#80
 Benzo(a)anthracene
 Concen: 37.996 ng
 RT: 13.87 min Scan# 2004
 Delta R.T. 0.04 min
 Lab File: BF109305.D
 Acq: 25 Sep 2018 23:54

Tgt Ion:228 Resp: 564381
 Ion Ratio Lower Upper
 228 100
 226 30.4 22.6 33.8
 229 22.3 15.8 23.6





#82

Chrysene

Concen: 38.335 ng

RT: 13.87 min Scan# 2004

Delta R.T. -0.00 min

Lab File: BF109305.D

Acq: 25 Sep 2018 23:54

Instrument :

BNA_F

ClientSampleId :

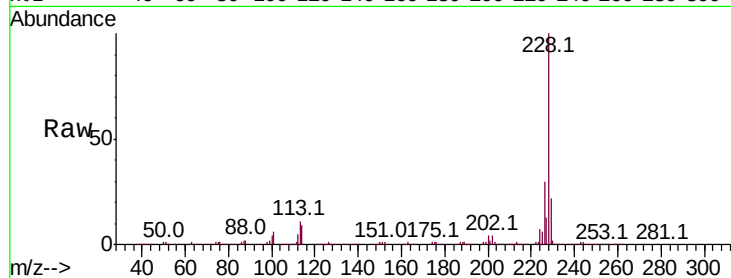
Tot Ion:228 Resp: 564381

Ion Ratio Lower Upper

228 100

226 30.4 25.0 37.6

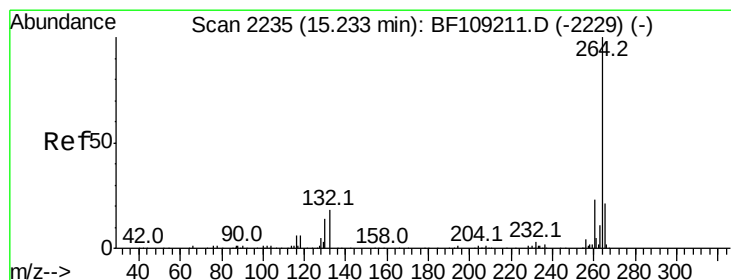
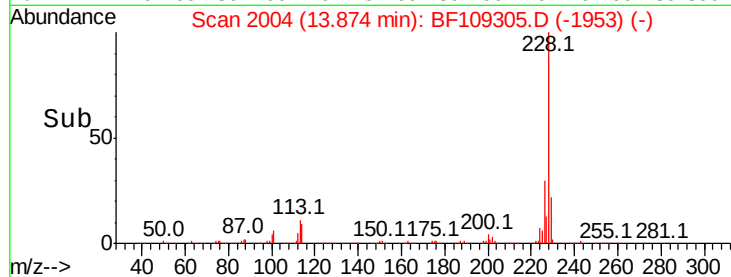
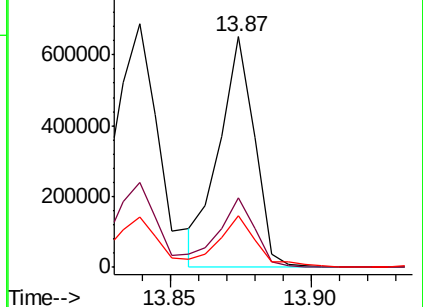
229 22.3 16.2 24.4



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



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.25 min Scan# 2238

Delta R.T. 0.01 min

Lab File: BF109305.D

Acq: 25 Sep 2018 23:54

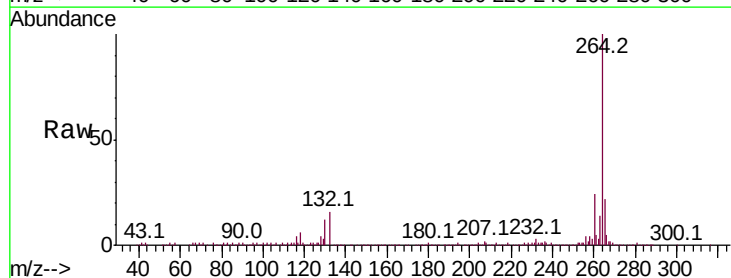
Tgt Ion:264 Resp: 197560

Ion Ratio Lower Upper

264 100

260 24.1 19.2 28.8

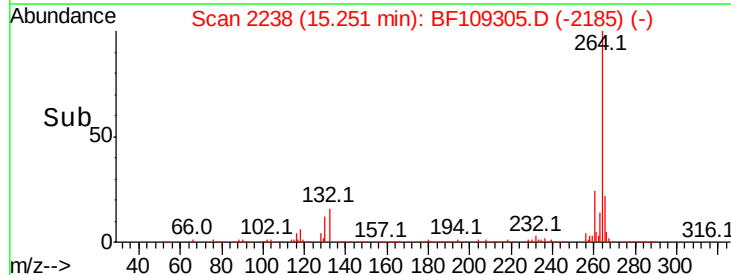
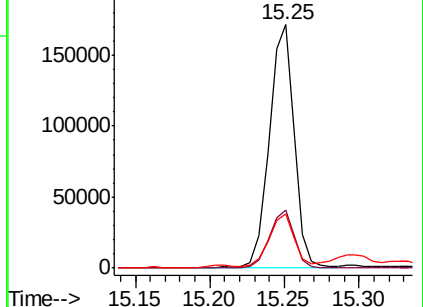
265 22.0 17.5 26.3

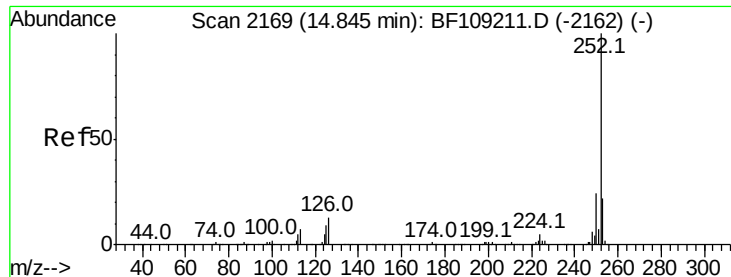


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 61.971 ng

RT: 14.86 min Scan# 2171

Delta R.T. 0.01 min

Lab File: BF109305.D

Acq: 25 Sep 2018 23:54

Instrument :

BNA_F

ClientSampleId :

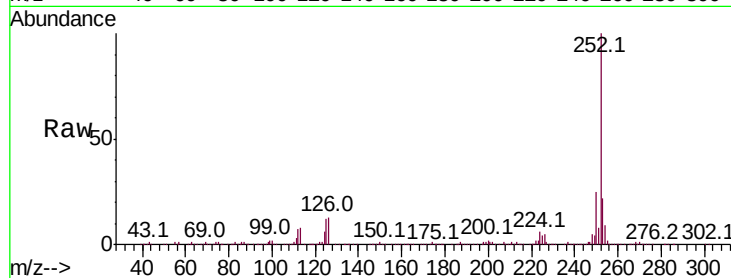
Tot Ion:252 Resp: 672747

Ion Ratio Lower Upper

252 100

253 22.4 17.0 25.6

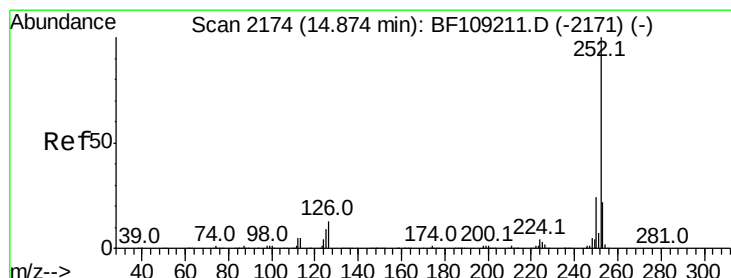
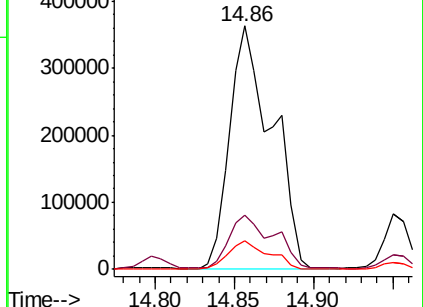
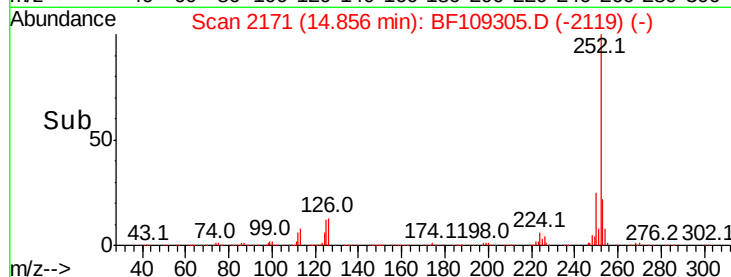
125 11.9 9.0 13.6



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: 65.307 ng

RT: 14.86 min Scan# 2171

Delta R.T. -0.02 min

Lab File: BF109305.D

Acq: 25 Sep 2018 23:54

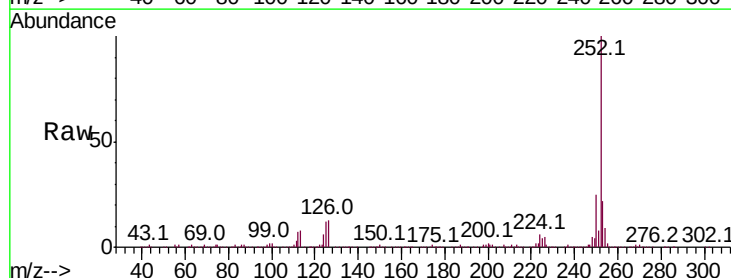
Tgt Ion:252 Resp: 672747

Ion Ratio Lower Upper

252 100

253 22.4 17.9 26.9

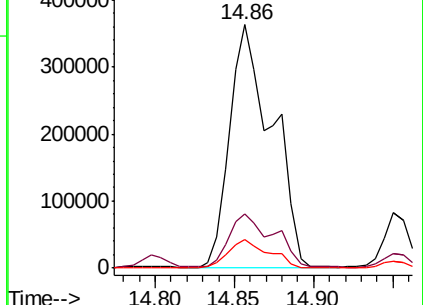
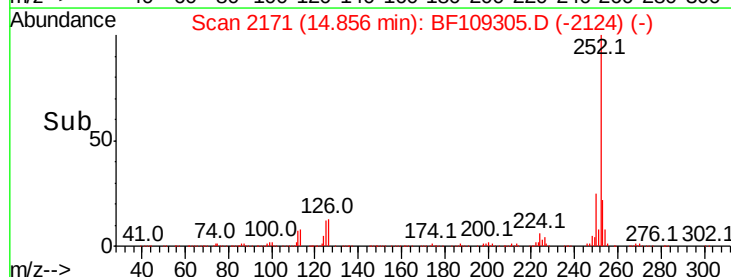
125 11.9 10.2 15.2

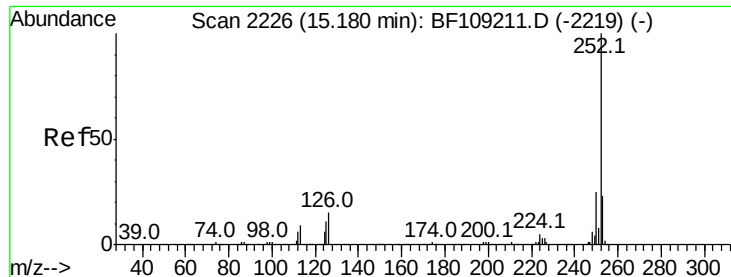


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 36.092 ng

RT: 15.19 min Scan# 2228

Delta R.T. 0.01 min

Lab File: BF109305.D

Acq: 25 Sep 2018 23:54

Instrument :

BNA_F

ClientSampled :

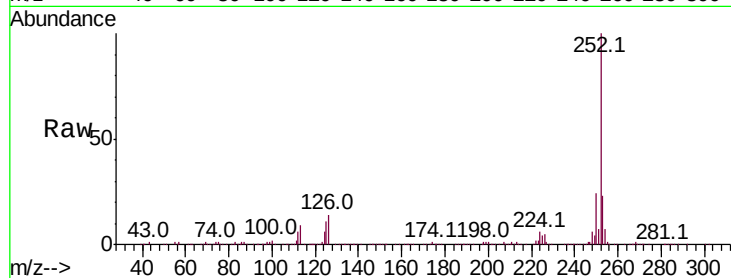
Tot Ion:252 Resp: 353054

Ion Ratio Lower Upper

252 100

253 22.8 17.1 25.7

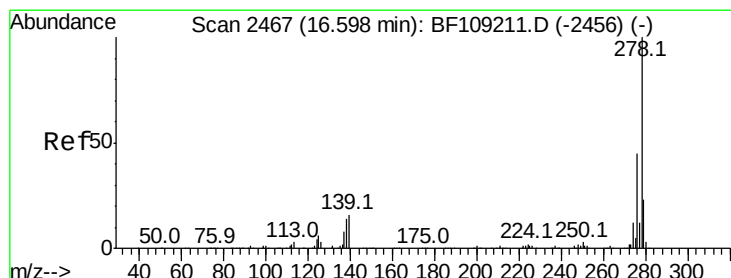
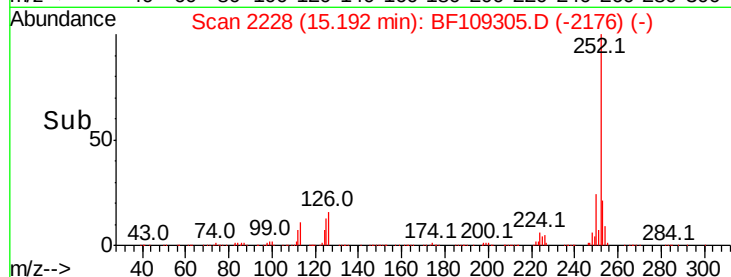
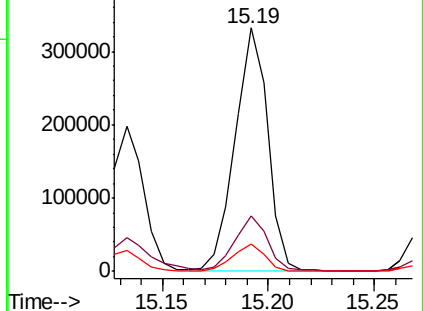
125 11.3 9.8 14.6



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: 5.379 ng

RT: 16.76 min Scan# 2494

Delta R.T. 0.15 min

Lab File: BF109305.D

Acq: 25 Sep 2018 23:54

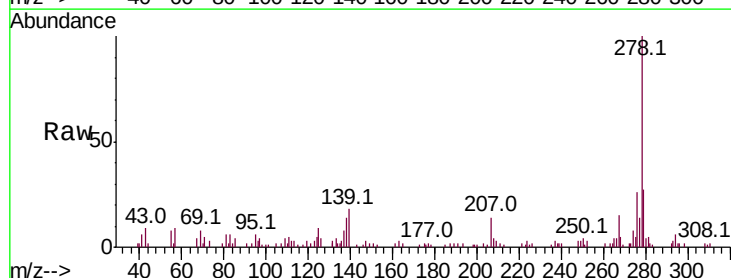
Tgt Ion:278 Resp: 43163

Ion Ratio Lower Upper

278 100

139 18.1 15.9 23.9

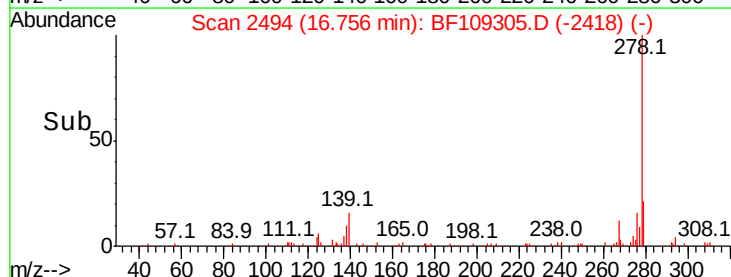
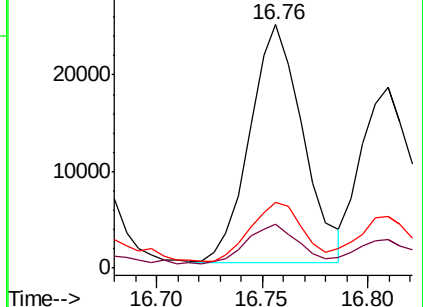
279 27.1 19.0 28.4

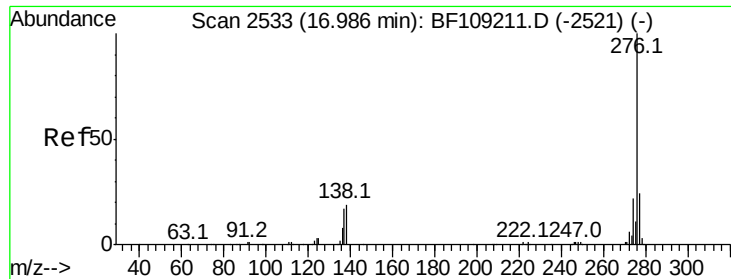


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#91
 Benzo(a,h,i)perylene
 Concen: 18.631 ng
 RT: 17.00 min Scan# 2535
 Delta R.T. -0.00 min
 Lab File: BF109305.D
 Acq: 25 Sep 2018 23:54

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	23.1	17.9	26.9
138	22.0	21.8	32.8

