

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100118\
 Data File : BF109475.D
 Acq On : 1 Oct 2018 16:28
 Operator : JU/SJ
 Sample : J5084-23DL 10X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B-7(TW-1)DL

Quant Time: Oct 01 17:23:05 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

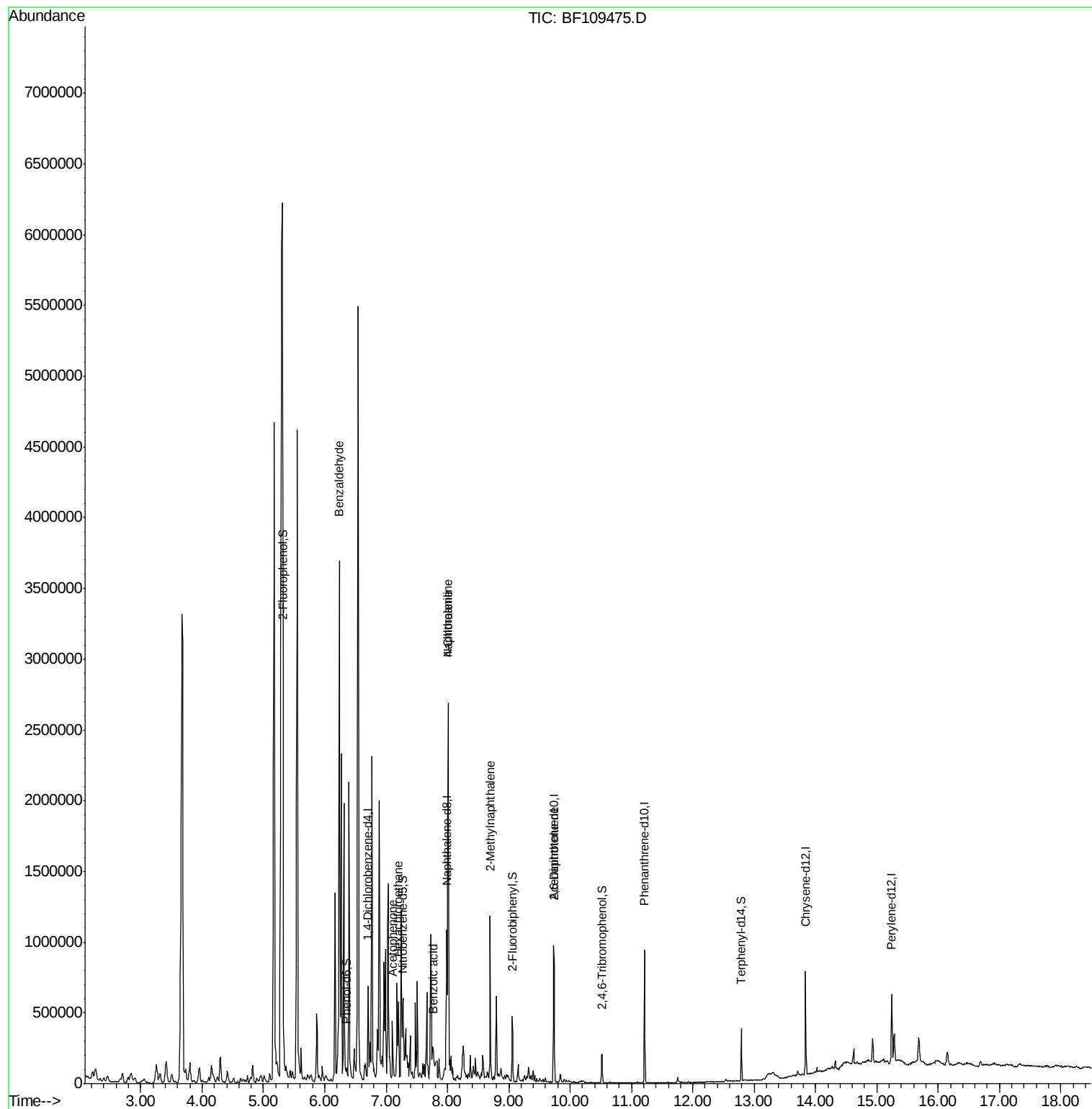
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	101293	20.00	ng	0.00
21) Naphthalene-d8	7.99	136	394775	20.00	ng	0.00
38) Acenaphthene-d10	9.73	164	187721	20.00	ng	0.00
63) Phenanthrene-d10	11.22	188	330200	20.00	ng	0.00
75) Chrysene-d12	13.84	240	241340	20.00	ng	0.00
86) Perylene-d12	15.24	264	219188	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	25581	4.16	ng	0.01
7) Phenol-d6	6.36	99	30290	3.86	ng	0.00
23) Nitrobenzene-d5	7.26	82	63035	9.43	ng	-0.02
41) 2,4,6-Tribromophenol	10.52	330	26029	14.07	ng	-0.01
44) 2-Fluorobiphenyl	9.06	172	132487	10.64	ng	-0.02
78) Terphenyl-d14	12.79	244	111660	11.35	ng	-0.01
Target Compounds						
9) Benzaldehyde	6.24	77	180012	35.708	ng	# 1
18) Hexachloroethane	7.20	117	16208	5.799	ng	# 1
22) Acetophenone	7.10	105	149828	16.416	ng	# 62
31) Naphthalene	8.01	128	1136492	61.606	ng	# 99
32) Benzoic acid	7.78	122	3165	7.559	ng	# 22
33) 4-Chloroaniline	8.01	127	157085	19.492	ng	# 31
37) 2-Methylnaphthalene	8.70	142	286741	24.111	ng	# 98
50) 2,6-Dinitrotoluene	9.73	165	24326	8.996	ng	# 26

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

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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



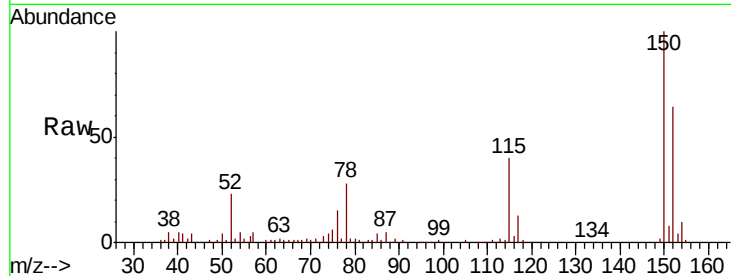


#1

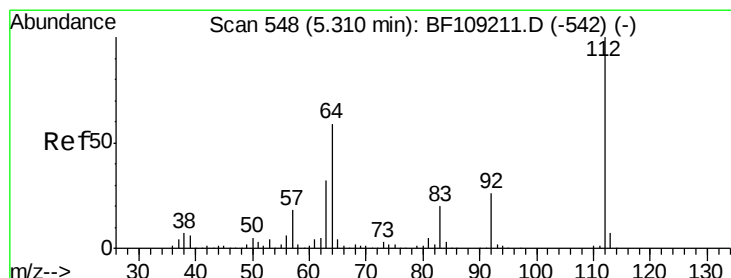
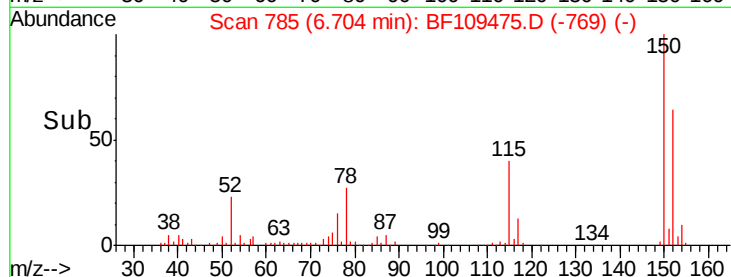
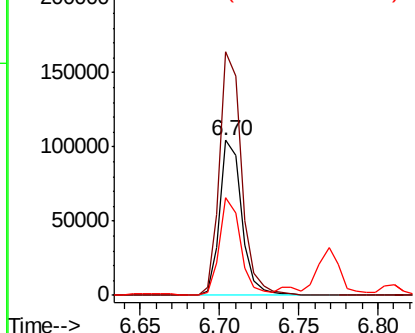
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.70 min Scan# 785
Delta R.T. -0.01 min
Lab File: BF109475.D
Acq: 1 Oct 2018 16:28

Instrument :
BNA_F
ClientSampleId :
B-7(TW-1)DL

Tot Ion:152 Resp: 101293
Ion Ratio Lower Upper
152 100
150 157.2 124.6 186.8
115 63.1 50.1 75.1



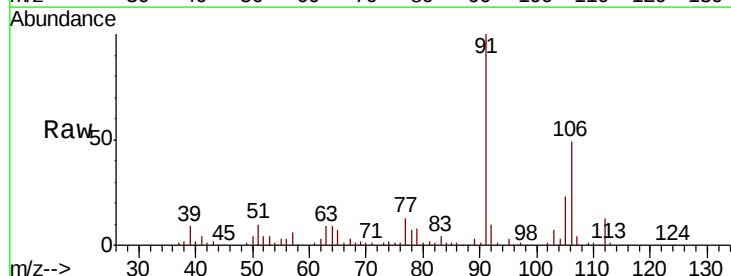
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



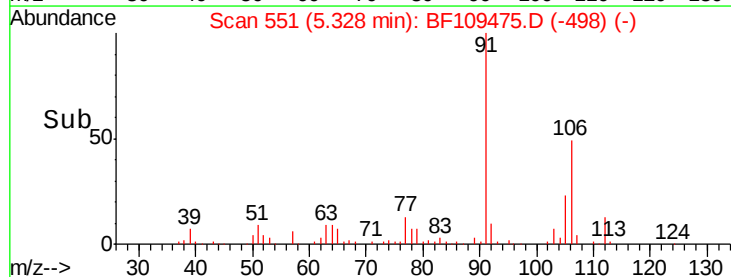
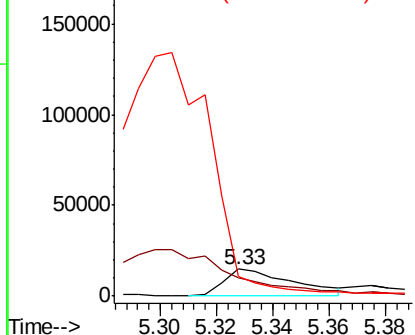
#5

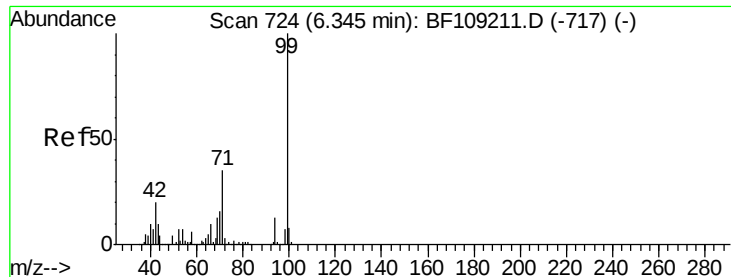
2-Fluorophenol
Concen: 4.160 ng
RT: 5.33 min Scan# 551
Delta R.T. 0.01 min
Lab File: BF109475.D
Acq: 1 Oct 2018 16:28

Tgt Ion:112 Resp: 25581
Ion Ratio Lower Upper
112 100
64 65.5 47.9 71.9
63 71.3 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: 3.860 ng

RT: 6.36 min Scan# 726

Delta R.T. 0.00 min

Lab File: BF109475.D

Acq: 1 Oct 2018 16:28

Instrument :

BNA_F

ClientSampled :

B-7(TW-1)DL

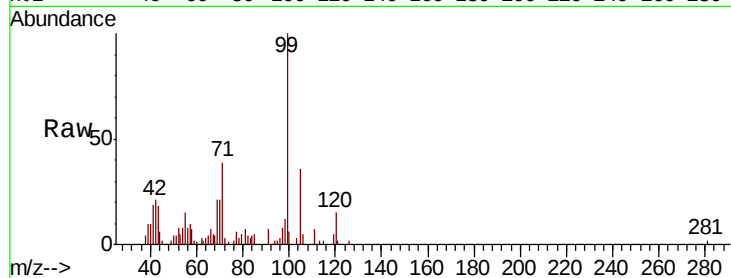
Tot Ion: 99 Resp: 30290

Ion Ratio Lower Upper

99 100

42 21.4 14.5 21.7

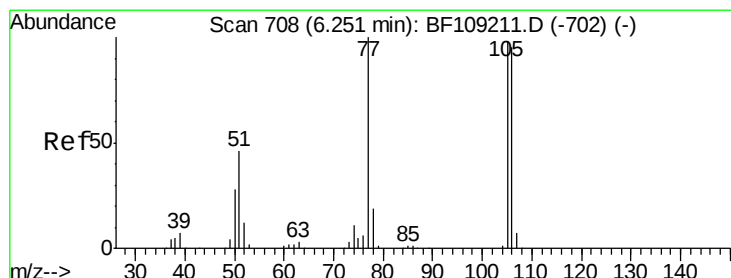
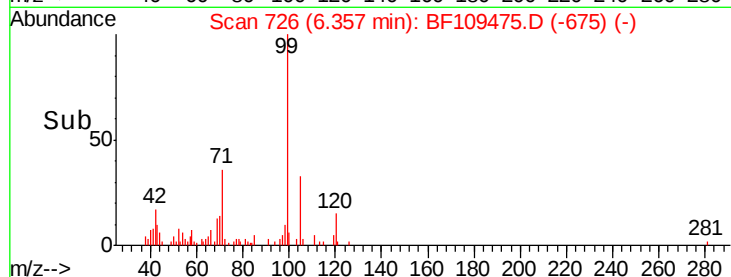
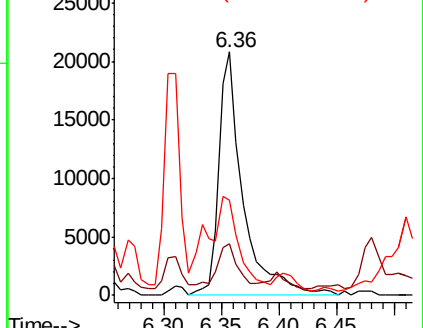
71 38.8 25.4 38.0#



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



#9

Benzaldehyde

Concen: 35.708 ng

RT: 6.24 min Scan# 706

Delta R.T. -0.01 min

Lab File: BF109475.D

Acq: 1 Oct 2018 16:28

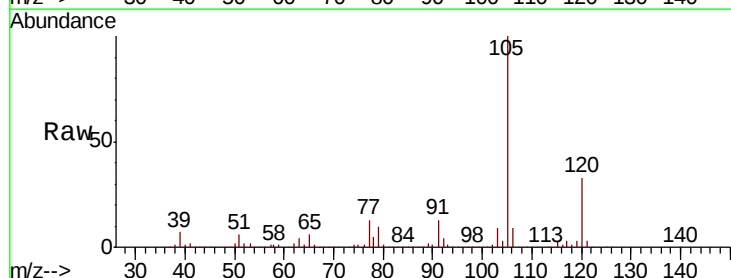
Tgt Ion: 77 Resp: 180012

Ion Ratio Lower Upper

77 100

105 760.1 81.1 121.1#

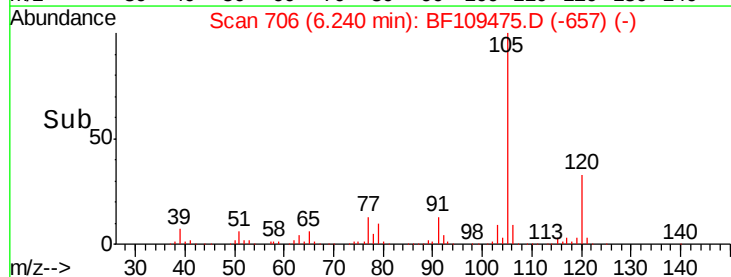
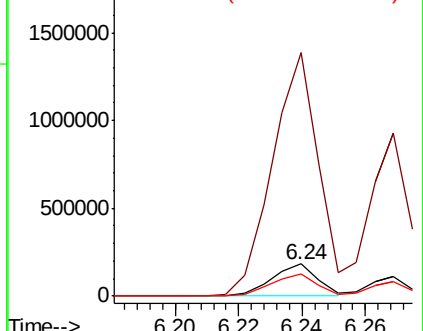
106 69.6 74.5 114.5#

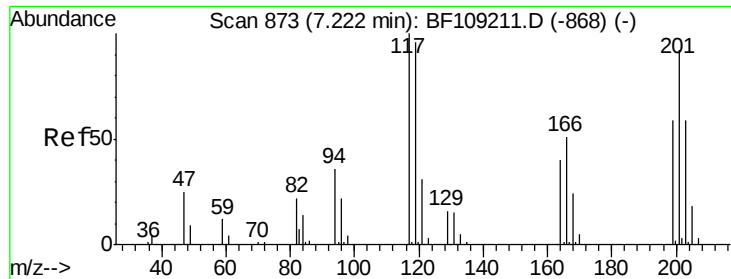


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E

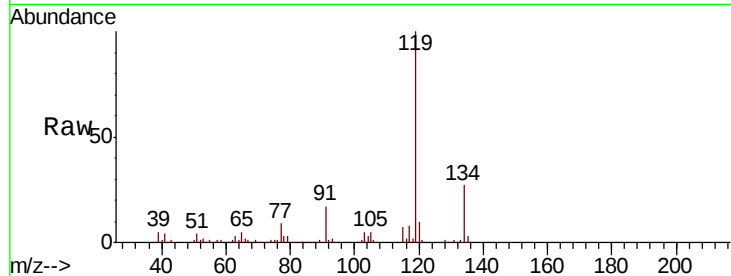




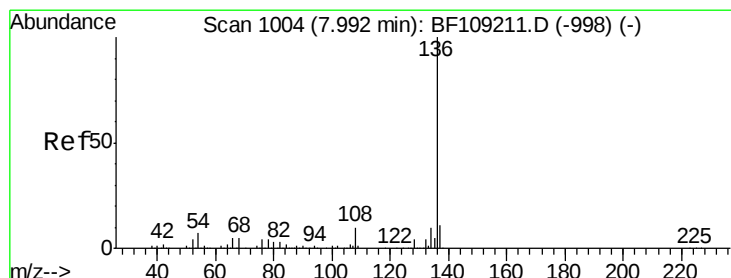
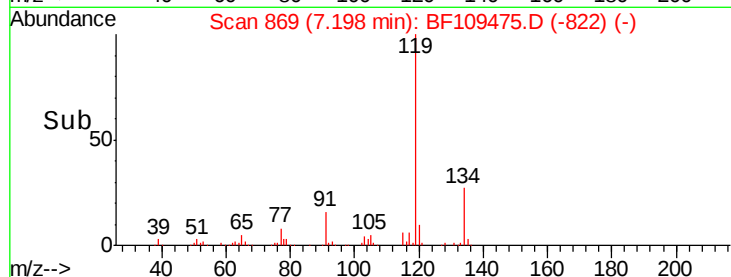
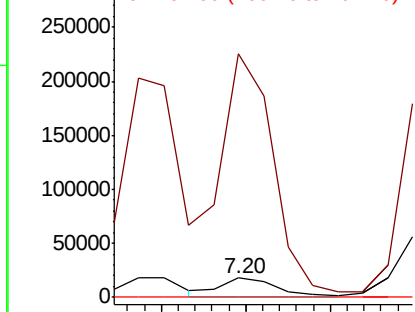
#18
Hexachloroethane
Concen: 5.799 ng
RT: 7.20 min Scan# 869
Delta R.T. -0.02 min
Lab File: BF109475.D
Acq: 1 Oct 2018 16:28

Instrument :
BNA_F
ClientSampleId :
B-7(TW-1)DL

Tot Ion:117 Resp: 16208
Ion Ratio Lower Upper
117 100
119 1275.1 75.8 113.8#
201 0.0 75.7 113.5#



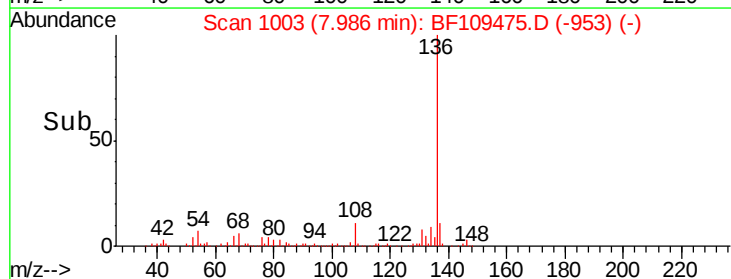
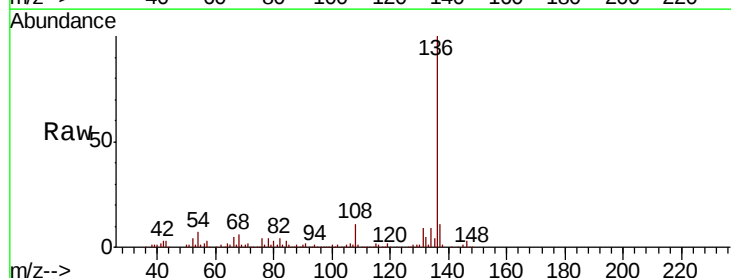
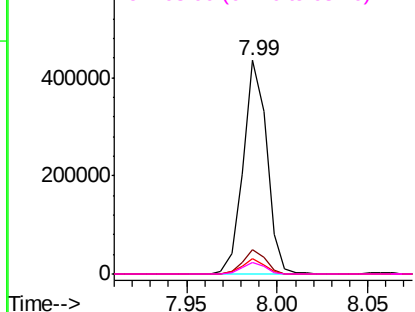
Abundance Ion 117.00 (116.70 to 117.70): E
Ion 119.00 (118.70 to 119.70): E
Ion 201.00 (200.70 to 201.70): E

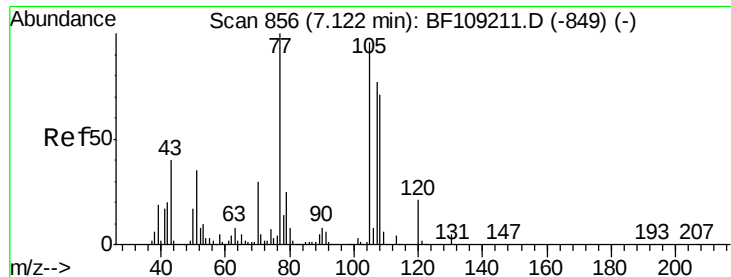


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.99 min Scan# 1003
Delta R.T. -0.01 min
Lab File: BF109475.D
Acq: 1 Oct 2018 16:28

Tgt Ion:136 Resp: 394775
Ion Ratio Lower Upper
136 100
137 11.2 8.9 13.3
54 7.2 6.6 9.8
68 5.5 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





#22

Acetophenone

Concen: 16.416 ng

RT: 7.10 min Scan# 853

Delta R.T. -0.02 min

Lab File: BF109475.D

Acq: 1 Oct 2018 16:28

Instrument :

BNA_F

ClientSampleId :

B-7(TW-1)DL

Tot Ion:105 Resp: 149828

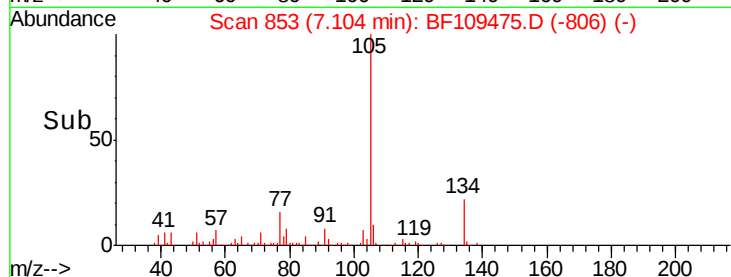
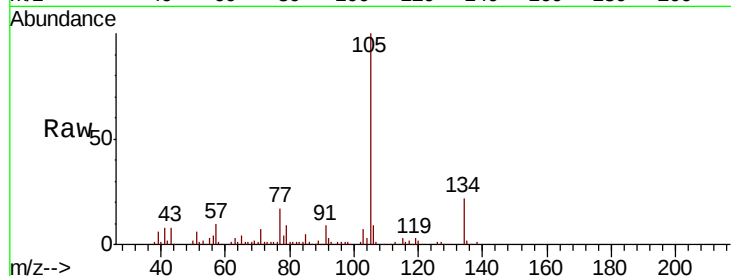
Ion Ratio Lower Upper

105 100

71 7.3 4.4 6.6#

51 5.7 22.3 33.5#

120 1.7 16.9 25.3#

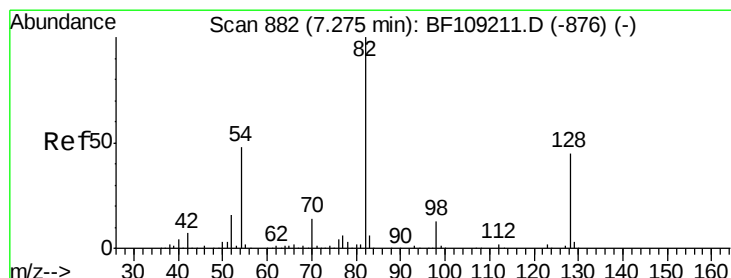
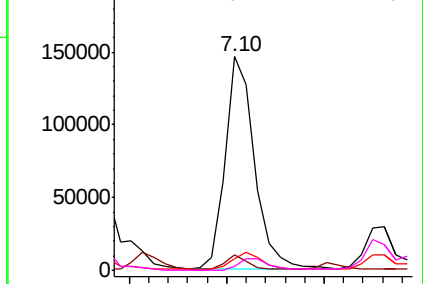


Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF1

Ion 51.00 (50.70 to 51.70): BF1

Ion 120.00 (119.70 to 120.70): E



#23

Nitrobenzene-d5

Concen: 9.426 ng

RT: 7.26 min Scan# 880

Delta R.T. -0.02 min

Lab File: BF109475.D

Acq: 1 Oct 2018 16:28

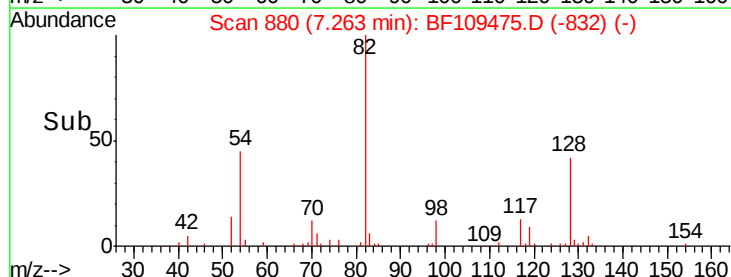
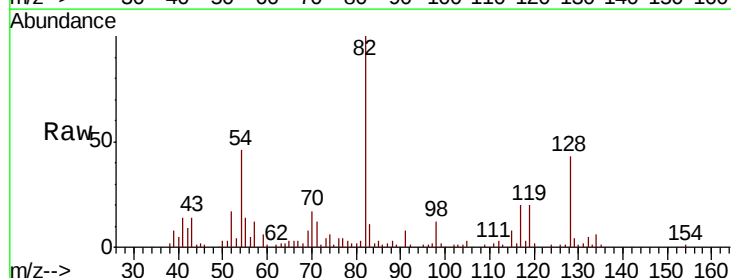
Tgt Ion: 82 Resp: 63035

Ion Ratio Lower Upper

82 100

128 43.0 36.1 54.1

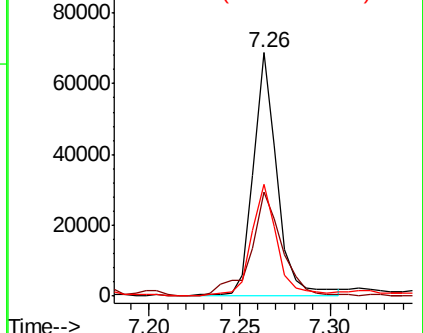
54 45.8 41.4 62.2

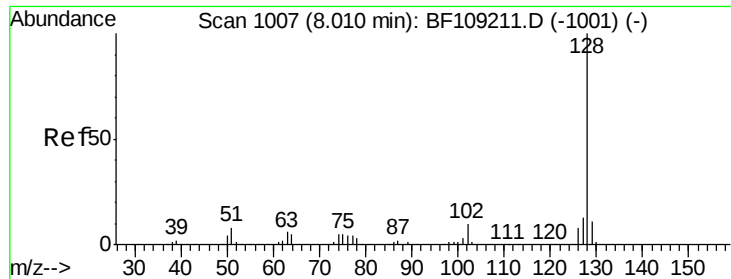


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1

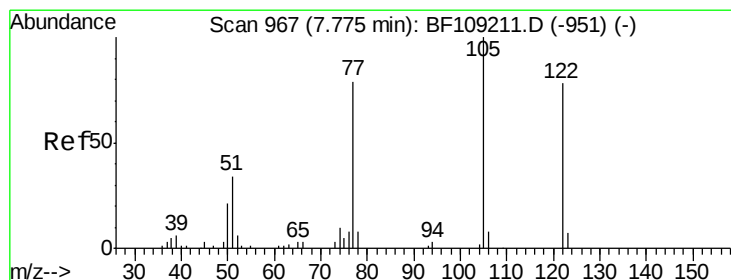
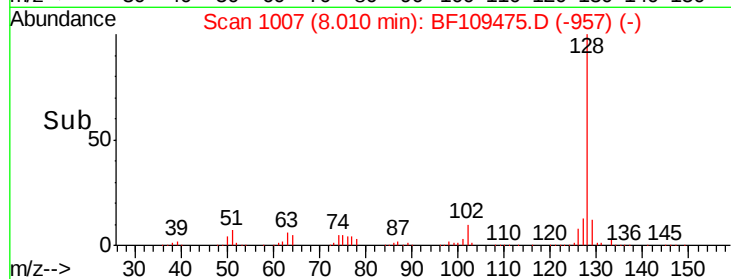
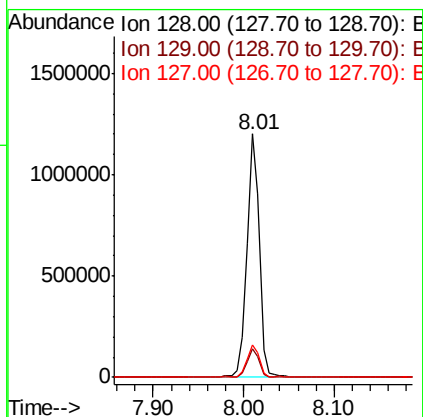
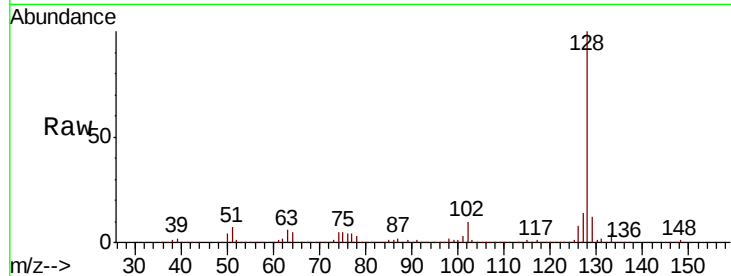




#31
Naphthalene
Concen: 61.606 ng
RT: 8.01 min Scan# 1007
Delta R.T. -0.01 min
Lab File: BF109475.D
Acq: 1 Oct 2018 16:28

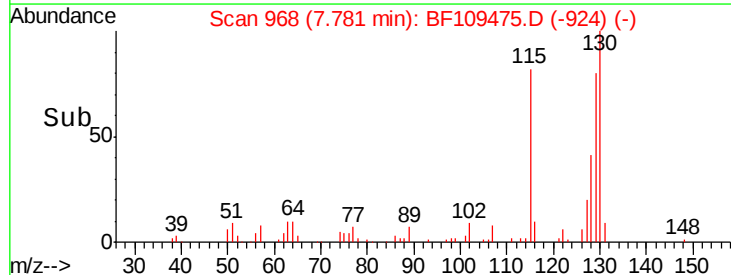
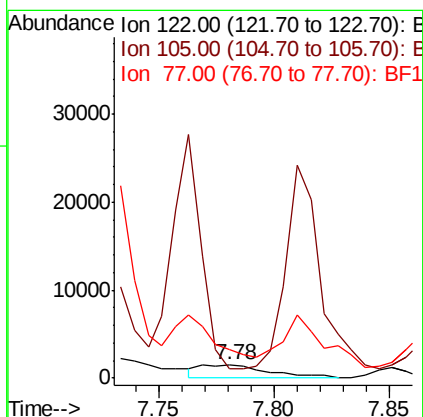
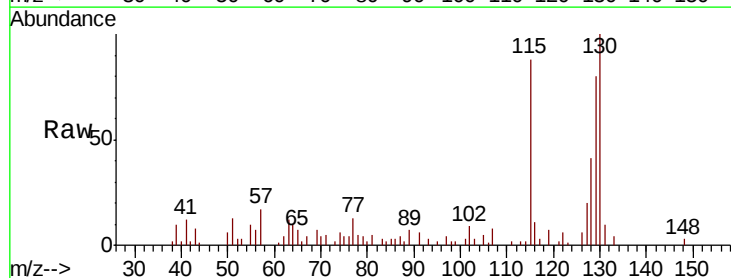
Instrument :
BNA_F
ClientSampleId :
B-7(TW-1)DL

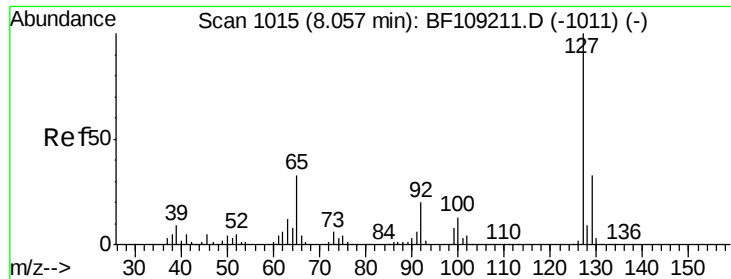
Tot Ion:128 Resp: 1136492
Ion Ratio Lower Upper
128 100
129 11.7 8.8 13.2
127 13.5 10.9 16.3



#32
Benzoic acid
Concen: 7.559 ng
RT: 7.78 min Scan# 968
Delta R.T. -0.04 min
Lab File: BF109475.D
Acq: 1 Oct 2018 16:28

Tgt Ion:122 Resp: 3165
Ion Ratio Lower Upper
122 100
105 74.1 101.1 141.1#
77 209.8 70.7 110.7#

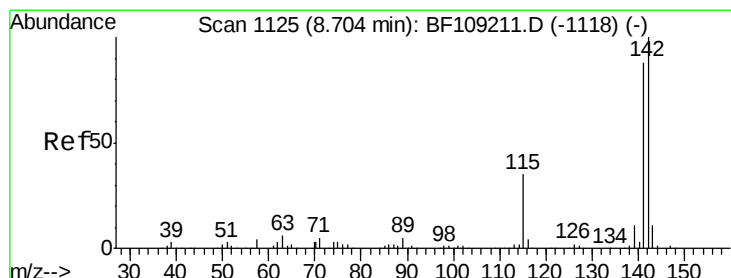
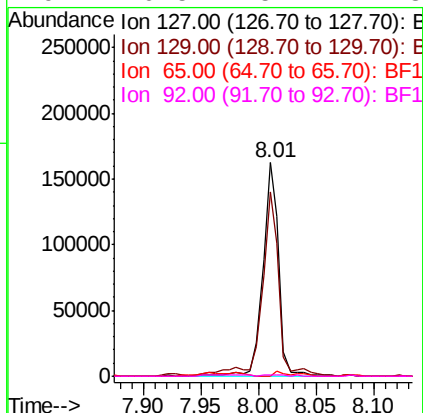
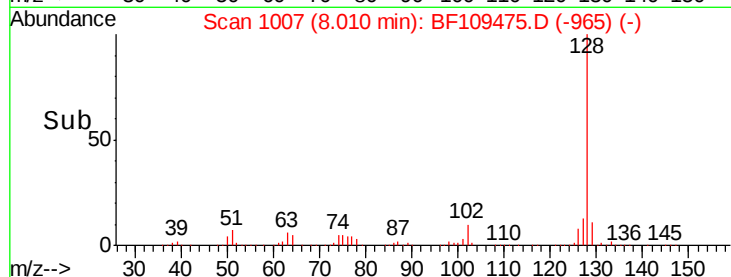
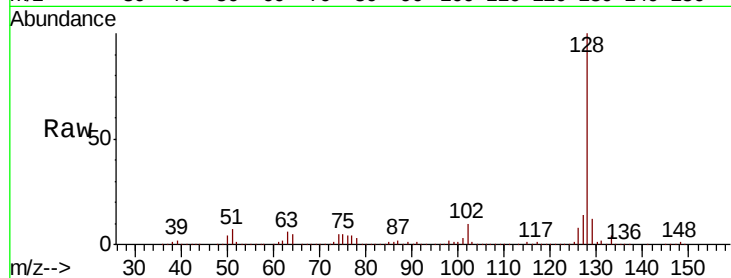




#33
4-Chloroaniline
Concen: 19.492 ng
RT: 8.01 min Scan# 1007
Delta R.T. -0.05 min
Lab File: BF109475.D
Acq: 1 Oct 2018 16:28

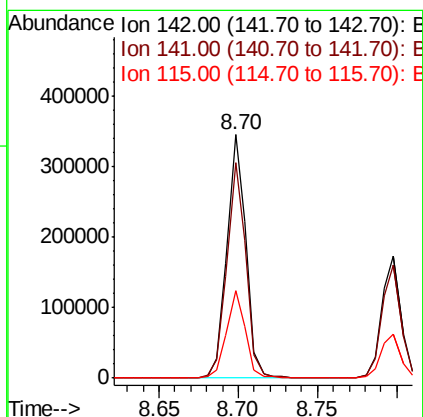
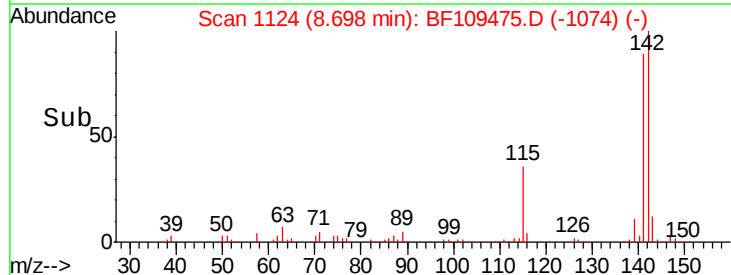
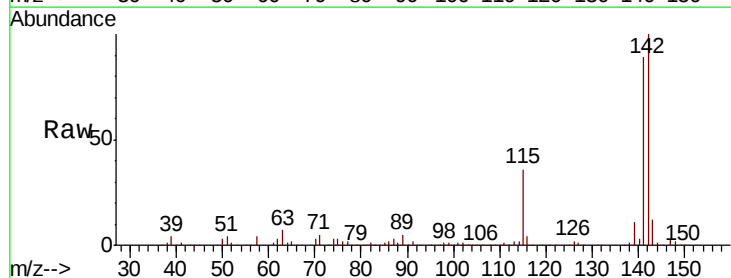
Instrument :
BNA_F
ClientSampleId :
B-7(TW-1)DL

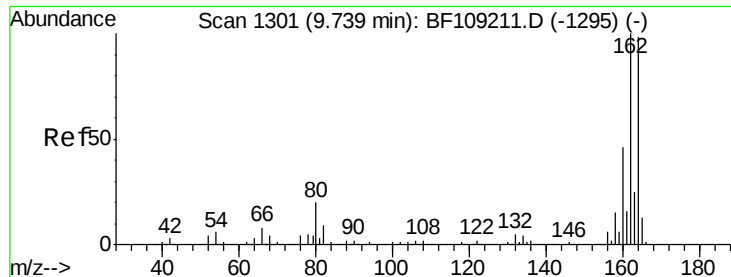
Tot Ion	Ratio	Lower	Upper
127	100		
129	86.6	25.9	38.9#
65	0.0	25.0	37.4#
92	0.5	15.2	22.8#



#37
2-Methylnaphthalene
Concen: 24.111 ng
RT: 8.70 min Scan# 1124
Delta R.T. -0.01 min
Lab File: BF109475.D
Acq: 1 Oct 2018 16:28

Tgt Ion	Ratio	Lower	Upper
142	100		
141	88.7	70.8	106.2
115	36.1	26.1	39.1

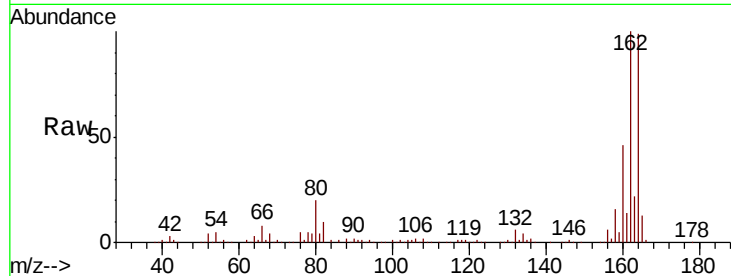




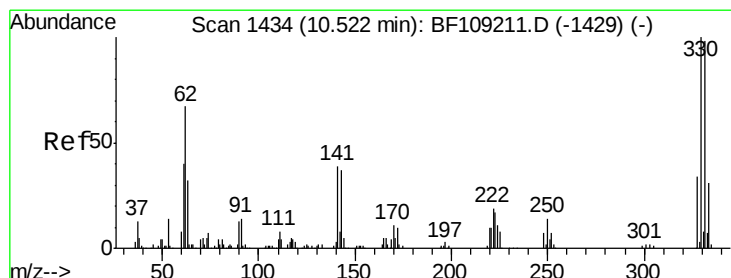
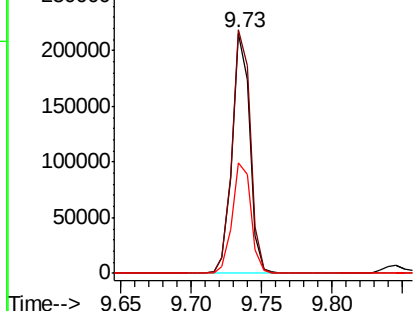
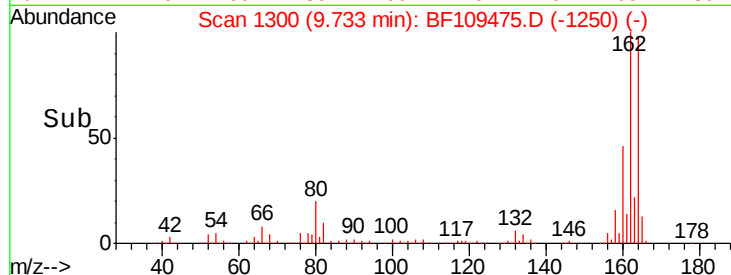
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.73 min Scan# 1300
 Delta R.T. -0.01 min
 Lab File: BF109475.D
 Acq: 1 Oct 2018 16:28

Instrument :
 BNA_F
 ClientSampleID :
 B-7(TW-1)DL

Tot Ion	Ratio	Lower	Upper
164	100		
162	101.5	86.1	129.1
160	46.3	38.3	57.5

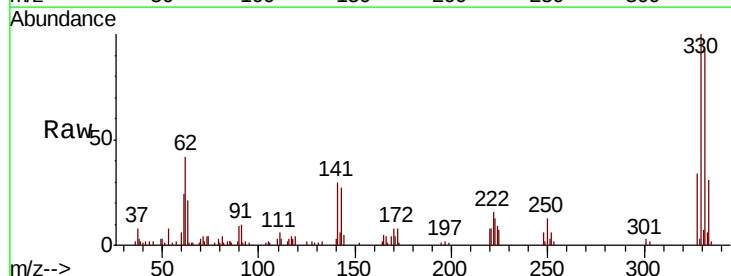


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

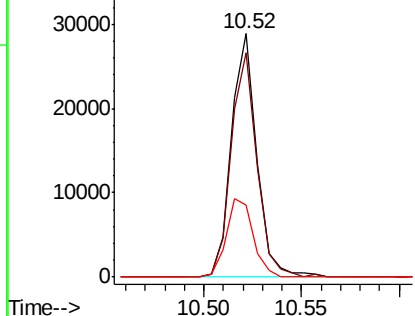
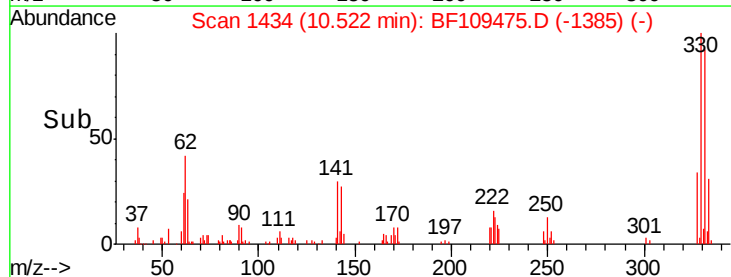


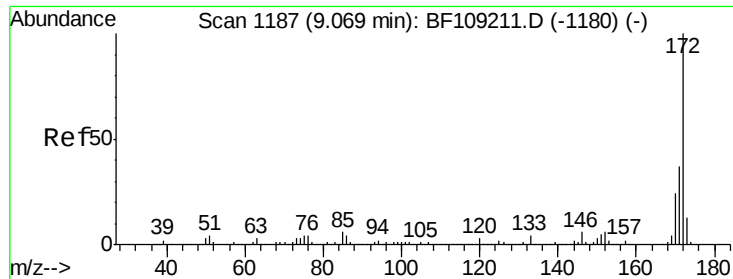
#41
 2,4,6-Tribromophenol
 Concen: 14.066 ng
 RT: 10.52 min Scan# 1434
 Delta R.T. -0.01 min
 Lab File: BF109475.D
 Acq: 1 Oct 2018 16:28

Tgt Ion	Ratio	Lower	Upper
330	100		
332	93.4	77.0	115.6
141	33.8	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

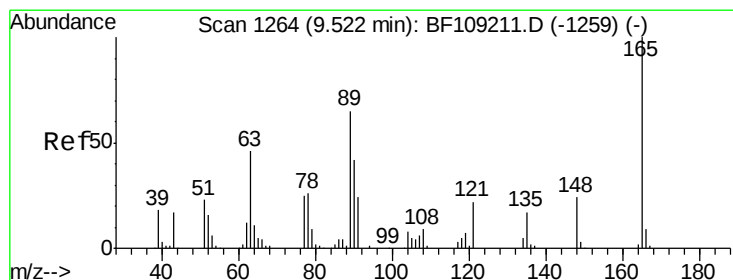
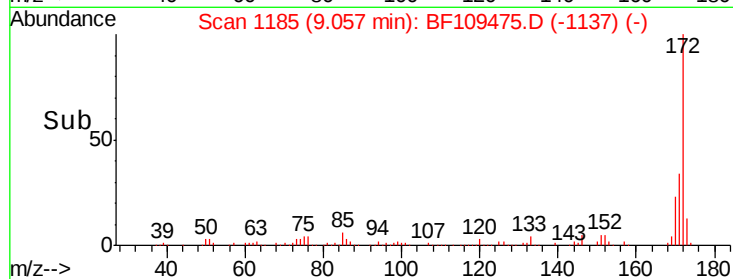
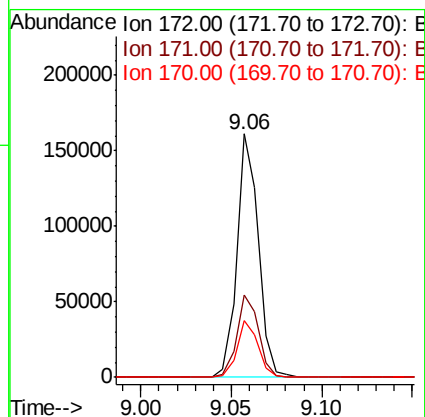
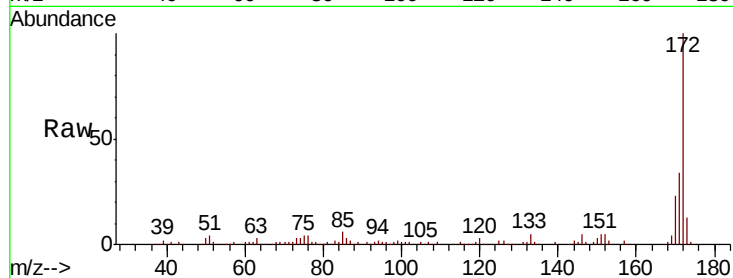




#44
 2-Fluorobiphenyl
 Concen: 10.644 ng
 RT: 9.06 min Scan# 1185
 Delta R.T. -0.02 min
 Lab File: BF109475.D
 Acq: 1 Oct 2018 16:28

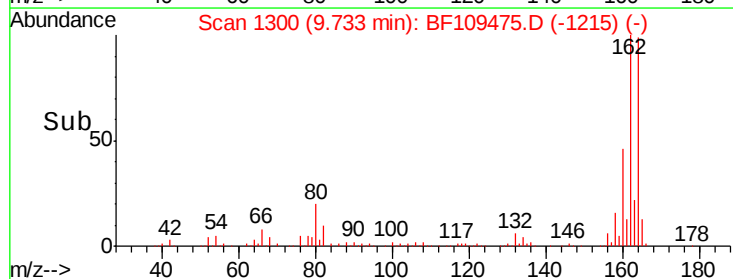
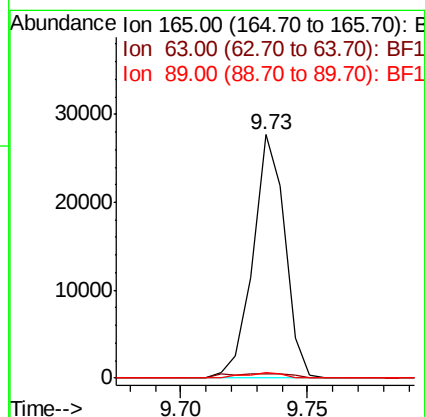
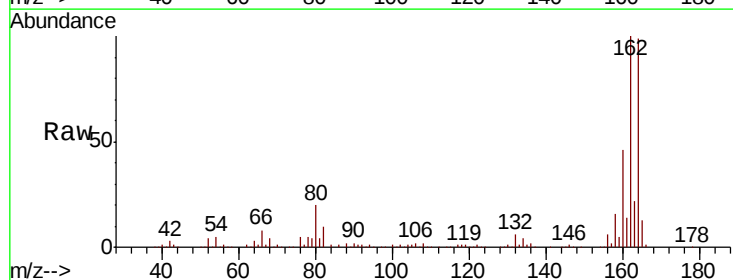
Instrument :
 BNA_F
 ClientSampleId :
 B-7(TW-1)DL

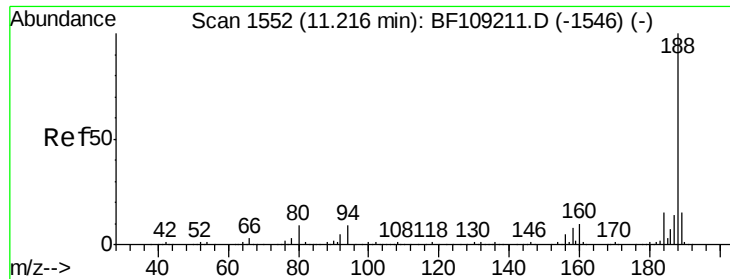
Tot Ion:172 Resp: 132487
 Ion Ratio Lower Upper
 172 100
 171 33.7 29.7 44.5
 170 23.1 19.6 29.4



#50
 2,6-Dinitrotoluene
 Concen: 8.996 ng
 RT: 9.73 min Scan# 1300
 Delta R.T. 0.20 min
 Lab File: BF109475.D
 Acq: 1 Oct 2018 16:28

Tgt Ion:165 Resp: 24326
 Ion Ratio Lower Upper
 165 100
 63 1.9 44.7 67.1#
 89 2.1 44.0 66.0#

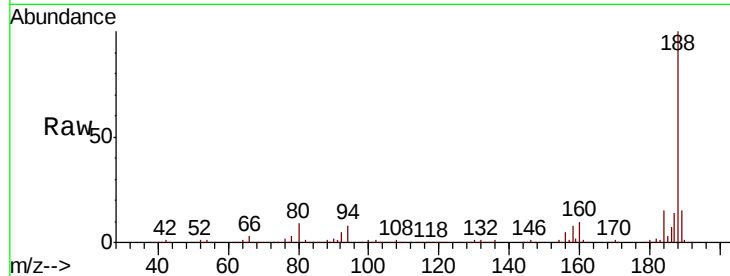




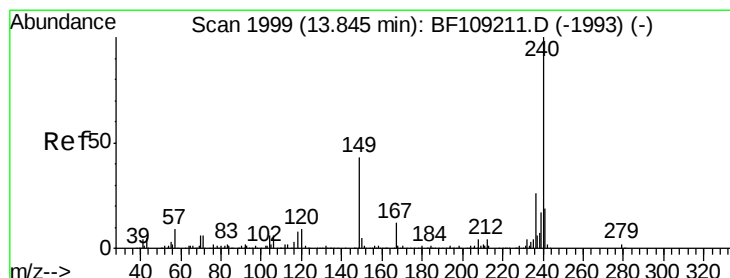
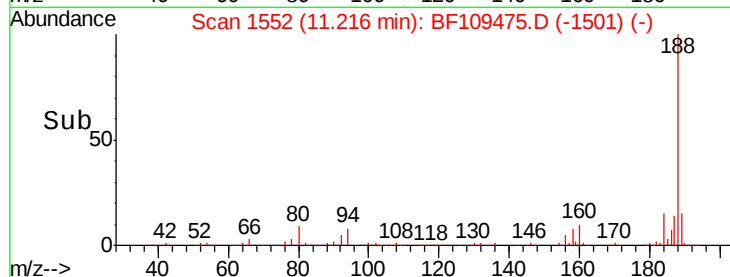
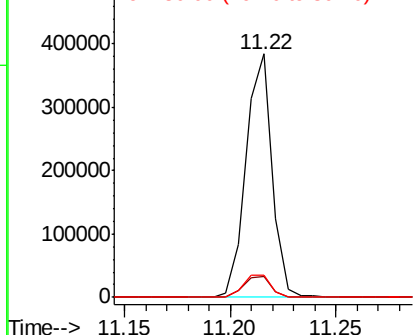
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.22 min Scan# 1552
Delta R.T. 0.00 min
Lab File: BF109475.D
Acq: 1 Oct 2018 16:28

Instrument :
BNA_F
ClientSampleId :
B-7(TW-1)DL

Tot Ion:188 Resp: 330200
Ion Ratio Lower Upper
188 100
94 8.3 8.5 12.7#
80 9.1 9.2 13.8#

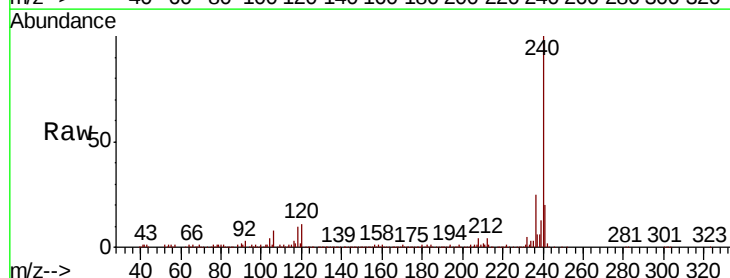


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

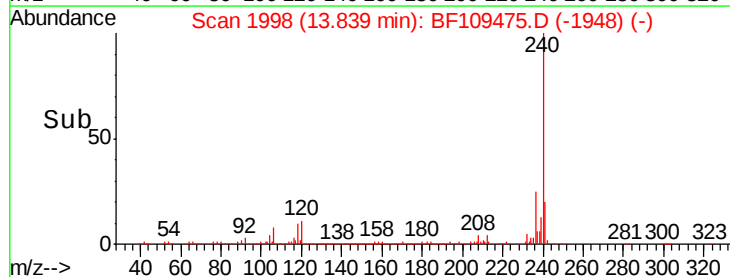
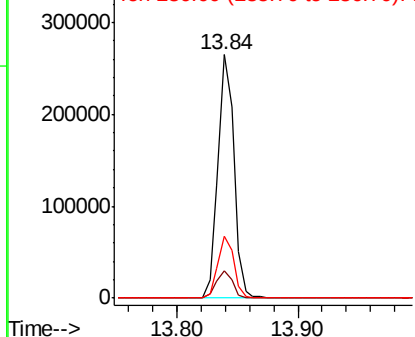


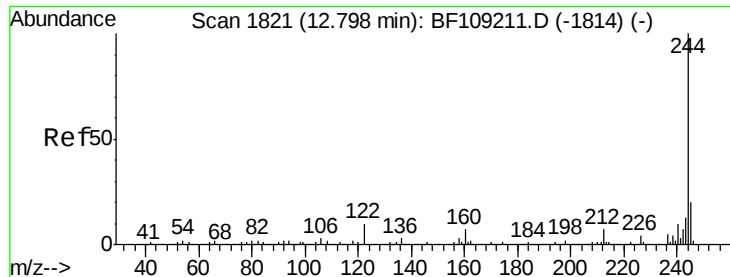
#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.84 min Scan# 1998
Delta R.T. -0.01 min
Lab File: BF109475.D
Acq: 1 Oct 2018 16:28

Tgt Ion:240 Resp: 241340
Ion Ratio Lower Upper
240 100
120 11.2 9.5 14.3
236 25.2 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





#78

Terphenyl-d14

Concen: 11.355 ng

RT: 12.79 min Scan# 1820

Delta R.T. -0.01 min

Lab File: BF109475.D

Acq: 1 Oct 2018 16:28

Instrument :

BNA_F

ClientSampleId :

B-7(TW-1)DL

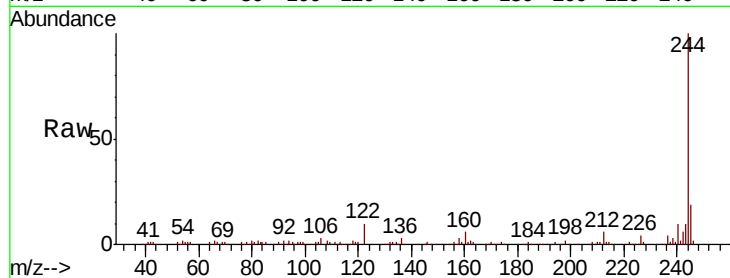
Tot Ion:244 Resp: 111660

Ion Ratio Lower Upper

244 100

212 6.3 5.4 8.0

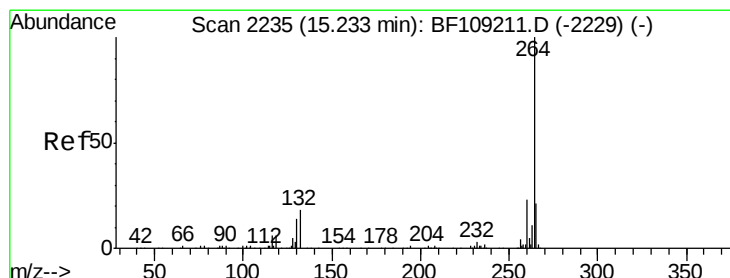
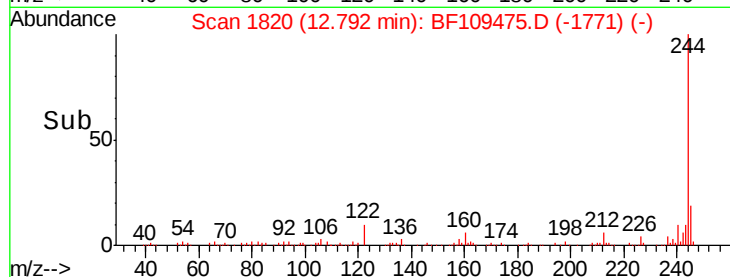
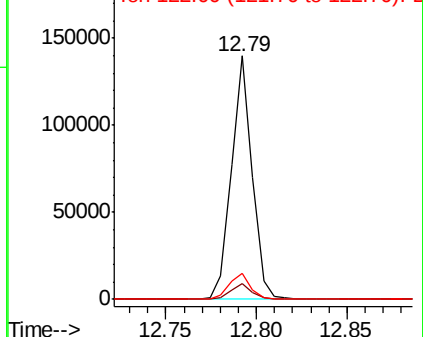
122 10.5 11.0 16.4#



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.24 min Scan# 2237

Delta R.T. 0.01 min

Lab File: BF109475.D

Acq: 1 Oct 2018 16:28

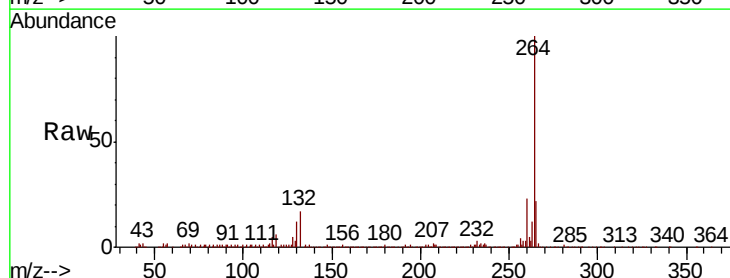
Tgt Ion:264 Resp: 219188

Ion Ratio Lower Upper

264 100

260 23.0 19.2 28.8

265 21.5 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

