

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100318\
 Data File : BF109549.D
 Acq On : 3 Oct 2018 16:33
 Operator : JU/SJ
 Sample : J5194-01 2X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 03 17:15:46 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	95785	20.00	ng	0.00
21) Naphthalene-d8	7.99	136	293264	20.00	ng	0.00
38) Acenaphthene-d10	9.73	164	141691	20.00	ng	0.00
63) Phenanthrene-d10	11.21	188	241380	20.00	ng	0.00
75) Chrysene-d12	13.84	240	238219	20.00	ng	0.00
86) Perylene-d12	15.24	264	183863	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.31	112	247520	42.56	ng	0.00
7) Phenol-d6	6.34	99	334084	45.02	ng	-0.02
23) Nitrobenzene-d5	7.26	82	206274	41.52	ng	-0.02
41) 2,4,6-Tribromophenol	10.52	330	59093	42.31	ng	-0.02
44) 2-Fluorobiphenyl	9.06	172	323272	34.41	ng	-0.02
78) Terphenyl-d14	12.79	244	279615	28.81	ng	-0.01

Target Compounds

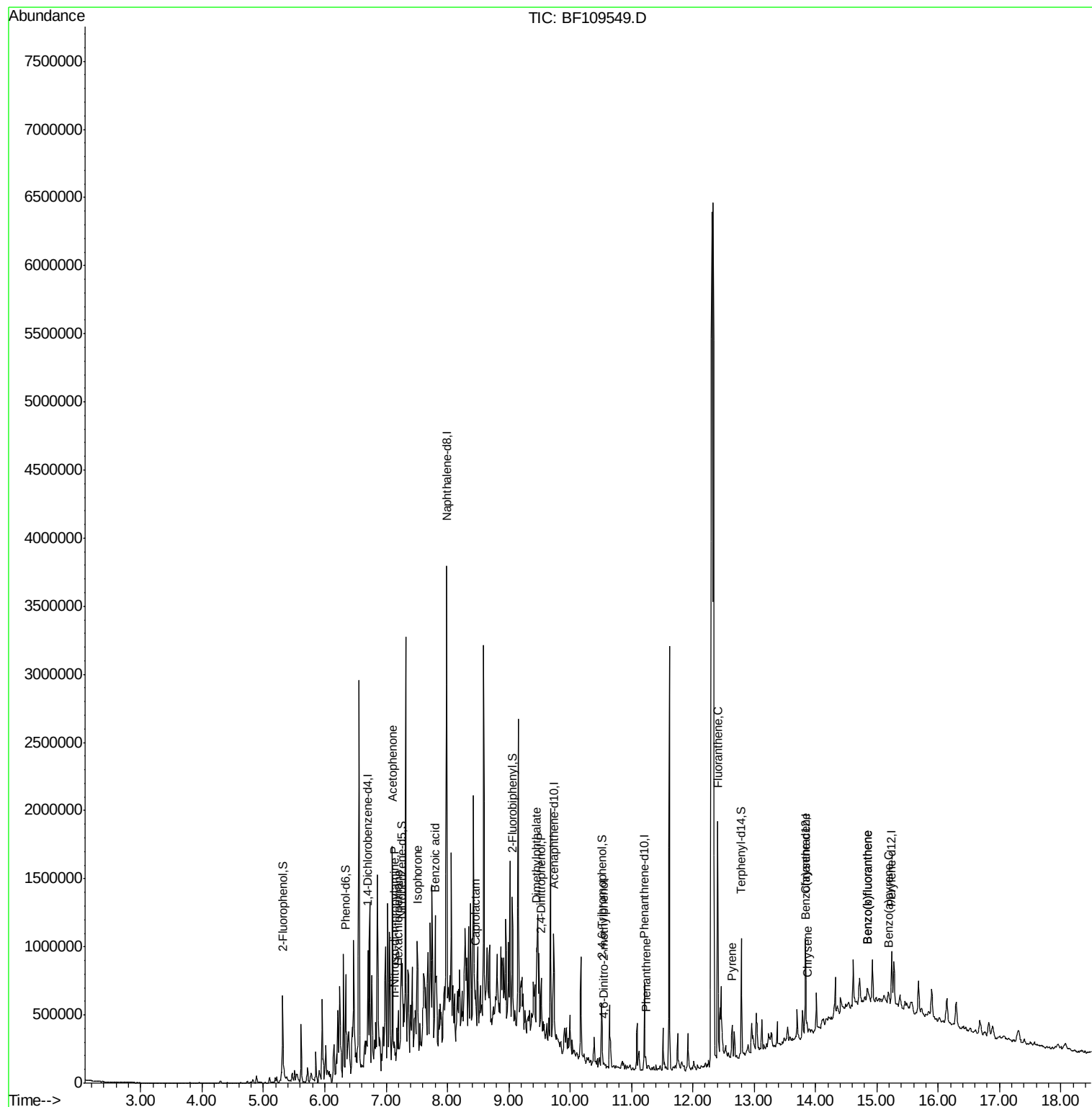
						Qvalue
18) Hexachloroethane	7.20	117	8226	3.113	ng	# 1
19) n-Nitroso-di-n-propylamine	7.13	70	10185	2.095	ng	# 71
22) Acetophenone	7.10	105	155636	22.954	ng	# 41
25) Isophorone	7.52	82	23694	2.649	ng	# 1
32) Benzoic acid	7.79	122	721	7.031	ng	# 1
35) Caprolactam	8.46	113	3287	2.514	ng	# 1
49) Dimethylphthalate	9.45	163	83525	8.105	ng	# 97
53) 2,4-Dinitrophenol	9.53	184	471	9.083	ng	# 86
64) 4,6-Dinitro-2-methylphenol	10.55	198	122	6.629	ng	# 1
70) Phenanthrene	11.23	178	33360	2.768	ng	99
74) Fluoranthene	12.42	202	59345	4.608	ng	95
77) Pyrene	12.64	202	65757	3.852	ng	98
80) Benzo(a)anthracene	13.83	228	35200	2.453	ng	# 91
82) Chrysene	13.86	228	35735	2.513	ng	# 92
87) Benzo(b)fluoranthene	14.84	252	45388	4.492	ng	# 70
88) Benzo(k)fluoranthene	14.84	252	45388	4.734	ng	# 73
89) Benzo(a)pyrene	15.19	252	21224	2.331	ng	# 71

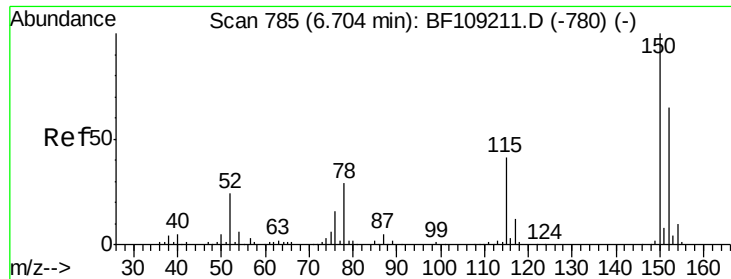
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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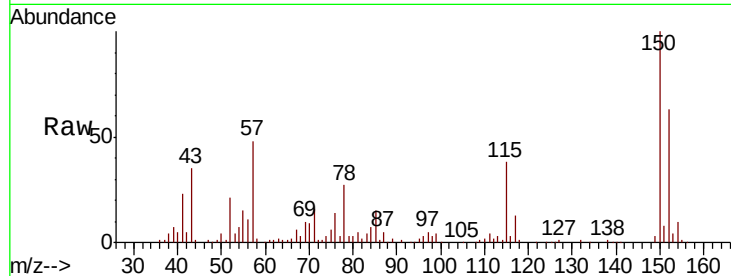


#1

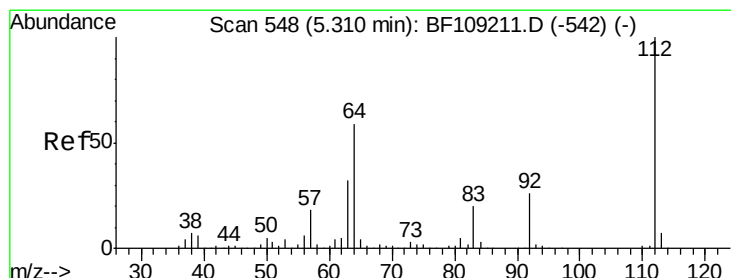
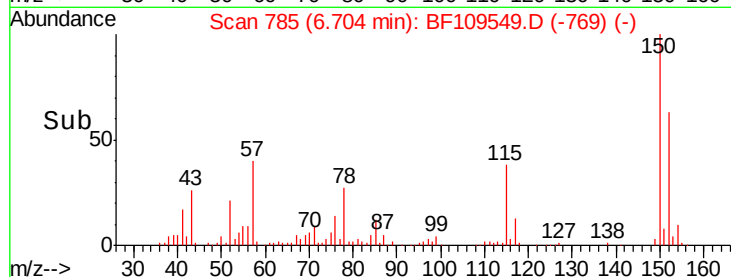
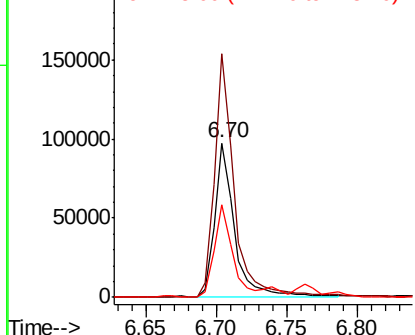
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.70 min Scan# 785
Delta R.T. -0.01 min
Lab File: BF109549.D
Acq: 3 Oct 2018 16:33

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 95785
Ion Ratio Lower Upper
152 100
150 157.5 124.6 186.8
115 59.8 50.1 75.1



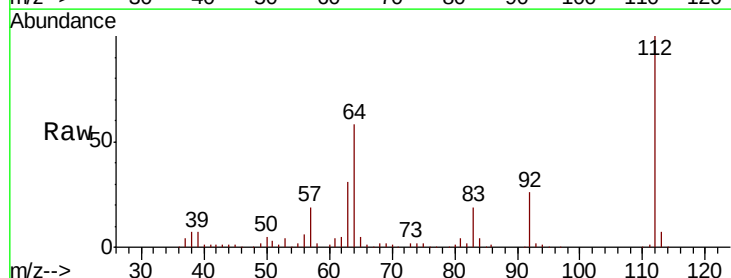
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



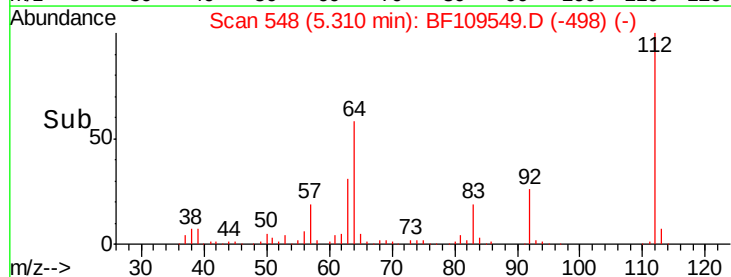
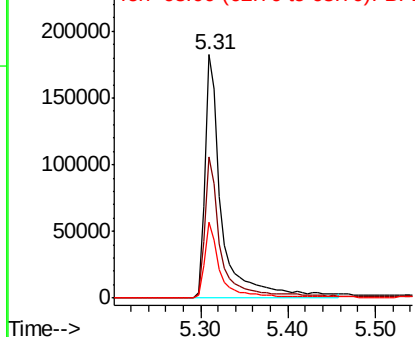
#5

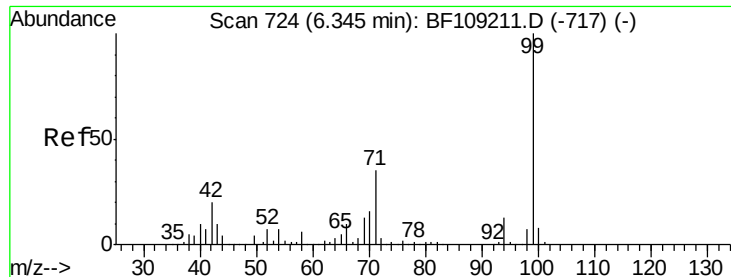
2-Fluorophenol
Concen: 42.562 ng
RT: 5.31 min Scan# 548
Delta R.T. -0.01 min
Lab File: BF109549.D
Acq: 3 Oct 2018 16:33

Tgt Ion:112 Resp: 247520
Ion Ratio Lower Upper
112 100
64 58.1 47.9 71.9
63 31.0 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: 45.020 ng

RT: 6.34 min Scan# 723

Delta R.T. -0.02 min

Lab File: BF109549.D

Acq: 3 Oct 2018 16:33

Instrument :

BNA_F

ClientSampleId :

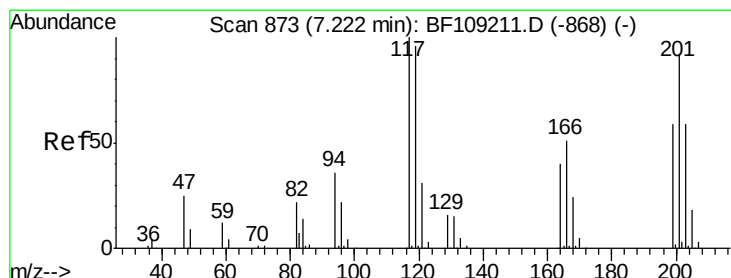
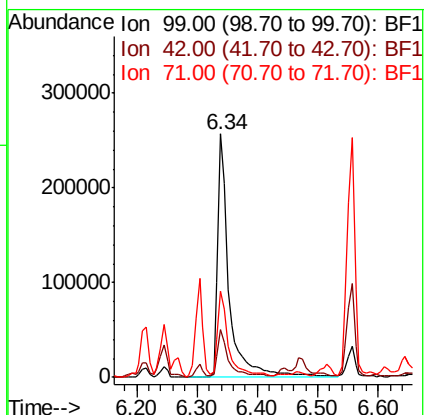
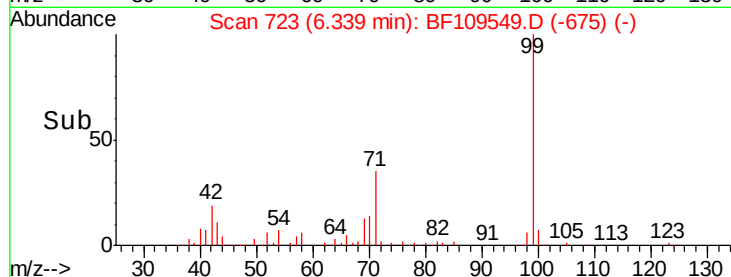
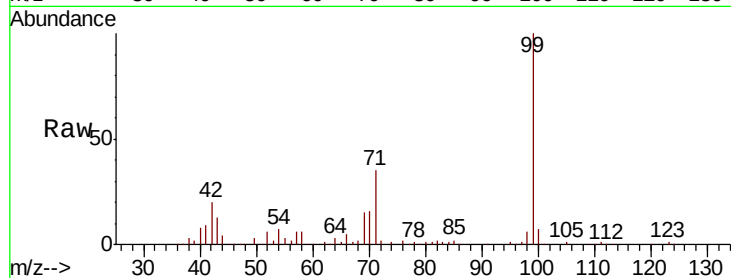
Tot Ion: 99 Resp: 334084

Ion Ratio Lower Upper

99 100

42 19.8 14.5 21.7

71 35.5 25.4 38.0



#18

Hexachloroethane

Concen: 3.113 ng

RT: 7.20 min Scan# 869

Delta R.T. -0.02 min

Lab File: BF109549.D

Acq: 3 Oct 2018 16:33

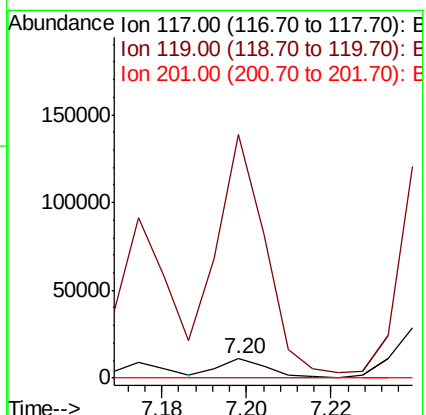
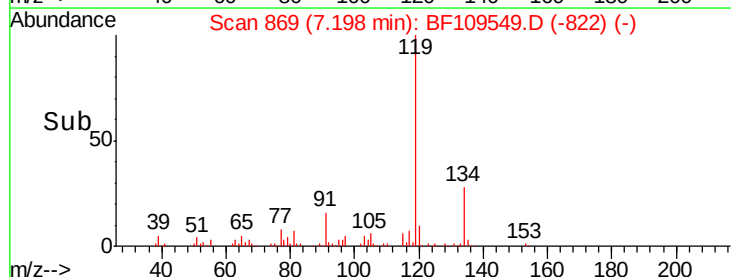
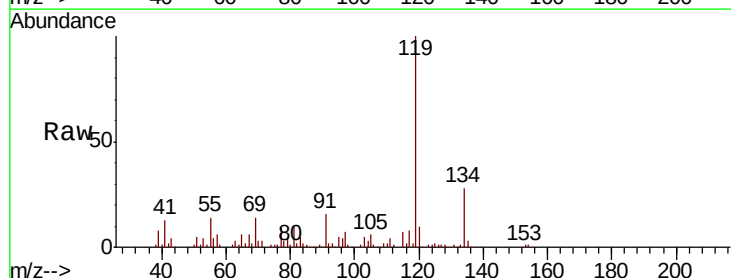
Tgt Ion: 117 Resp: 8226

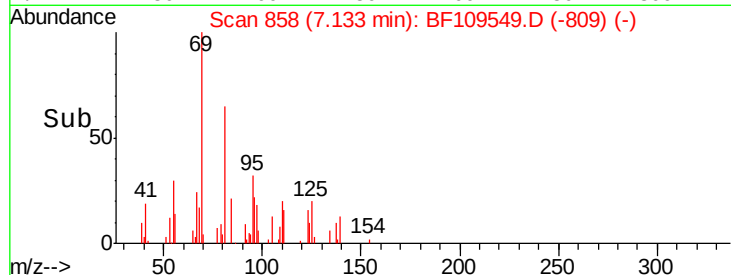
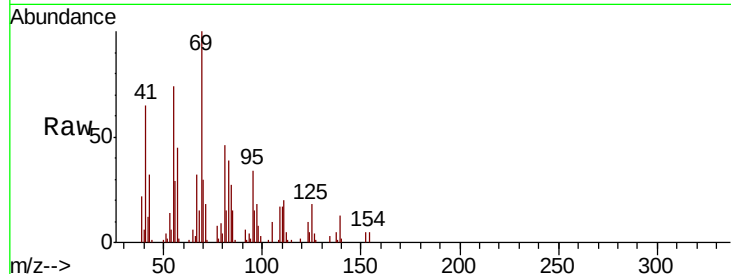
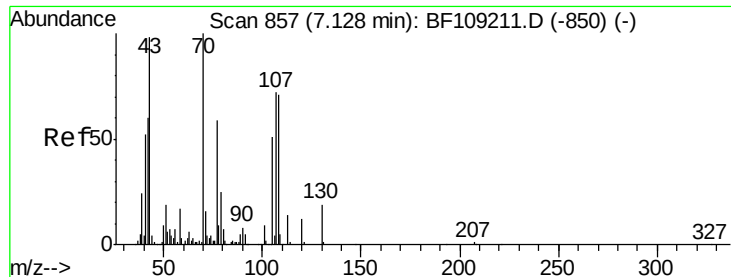
Ion Ratio Lower Upper

117 100

119 1272.7 75.8 113.8#

201 0.0 75.7 113.5#

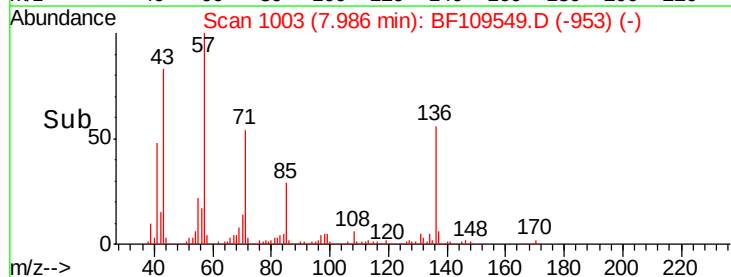
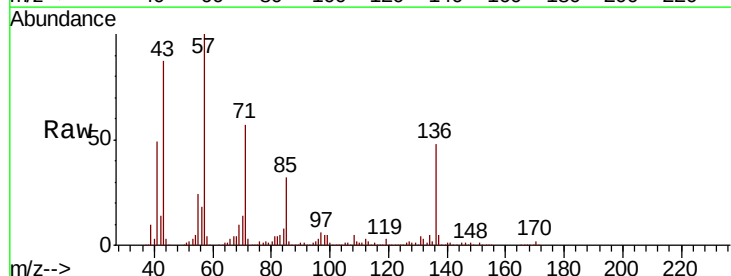
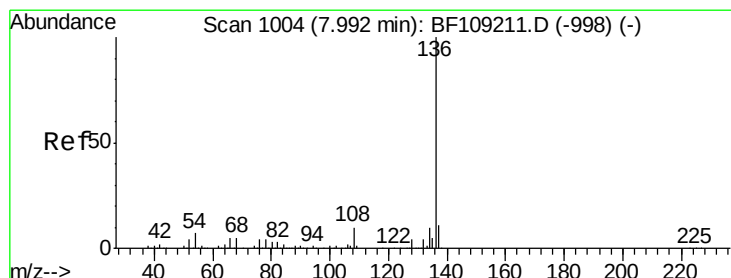
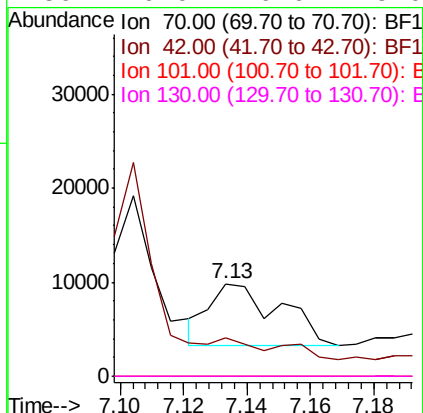




#19
n-Nitroso-di-n-propylamine
Concen: 2.095 ng
RT: 7.13 min Scan# 858
Delta R.T. -0.01 min
Lab File: BF109549.D
Acq: 3 Oct 2018 16:33

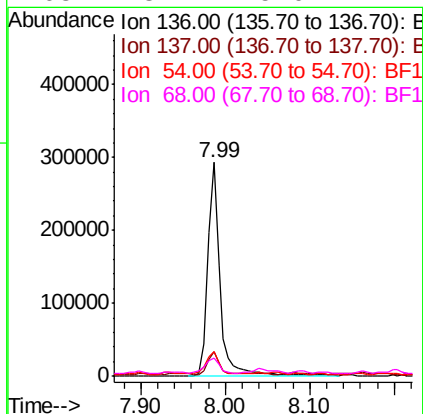
Instrument :
BNA_F
ClientSampleId :

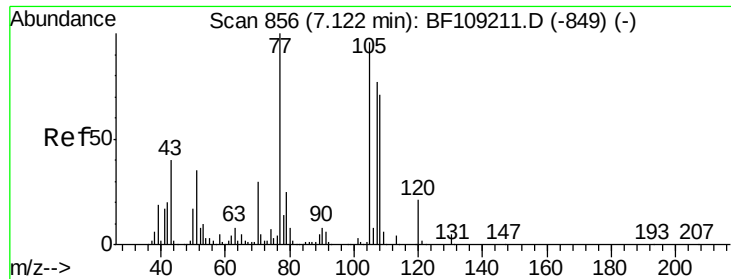
Tot Ion:	70	Resp:	10185
Ion	Ratio	Lower	Upper
70	100		
42	40.9	47.5	71.3#
101	0.0	7.4	11.2#
130	0.0	16.6	25.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.99 min Scan# 1003
Delta R.T. -0.01 min
Lab File: BF109549.D
Acq: 3 Oct 2018 16:33

Tgt Ion:	136	Resp:	293264
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.9	13.3
54	11.3	6.6	9.8#
68	8.7	5.0	7.4#





#22

Acetophenone

Concen: 22.954 ng

RT: 7.10 min Scan# 853

Delta R.T. -0.02 min

Lab File: BF109549.D

Acq: 3 Oct 2018 16:33

Instrument :

BNA_F

ClientSampleId :

Tot Ion:105 Resp: 155636

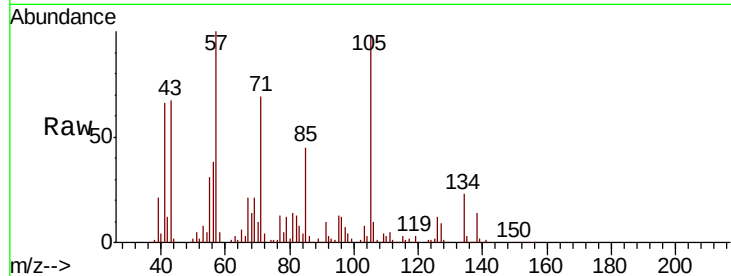
Ion Ratio Lower Upper

105 100

71 71.0 4.4 6.6#

51 5.0 22.3 33.5#

120 0.2 16.9 25.3#

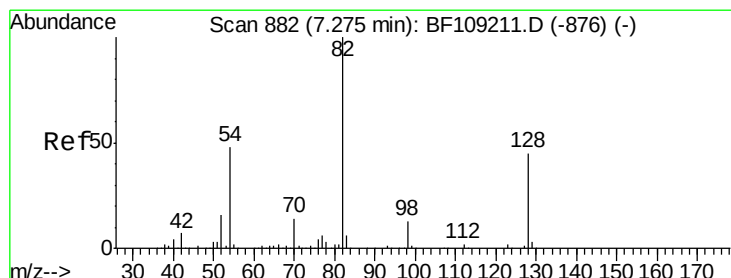
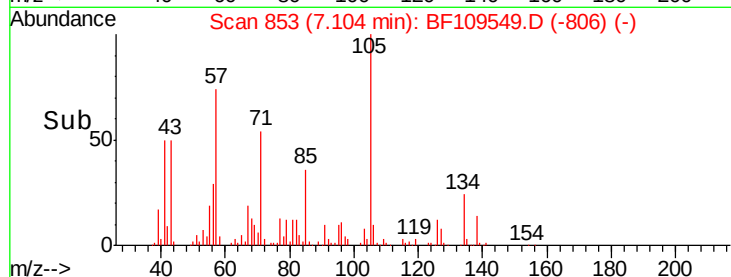
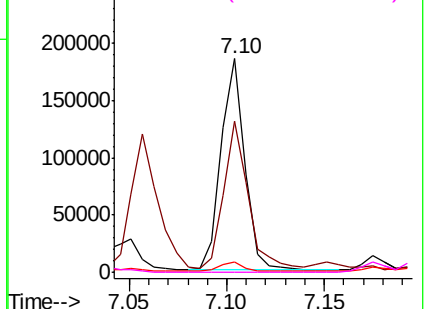


Abundance Ion 105.00 (104.70 to 105.70): E

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: 41.521 ng

RT: 7.26 min Scan# 880

Delta R.T. -0.02 min

Lab File: BF109549.D

Acq: 3 Oct 2018 16:33

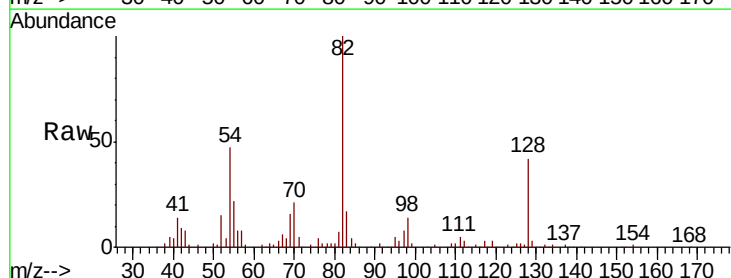
Tgt Ion: 82 Resp: 206274

Ion Ratio Lower Upper

82 100

128 41.6 36.1 54.1

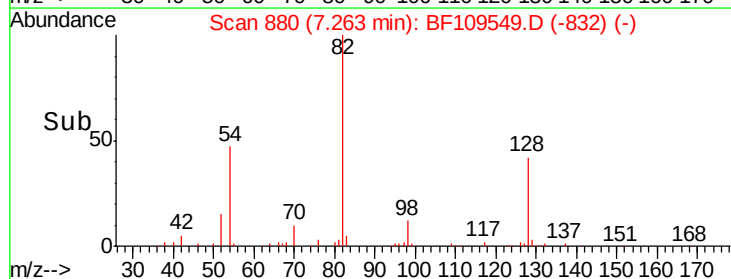
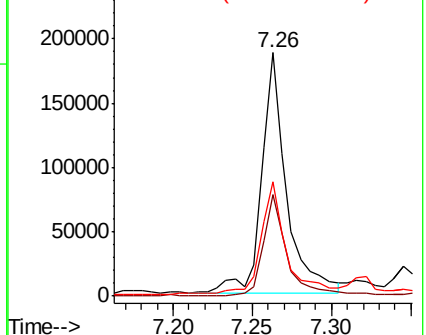
54 46.9 41.4 62.2

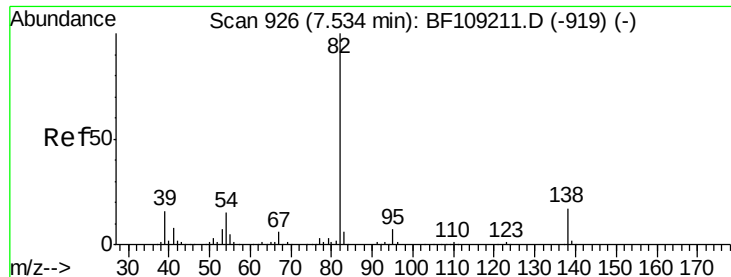


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1

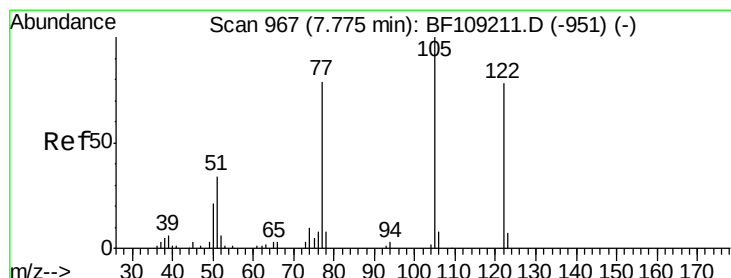
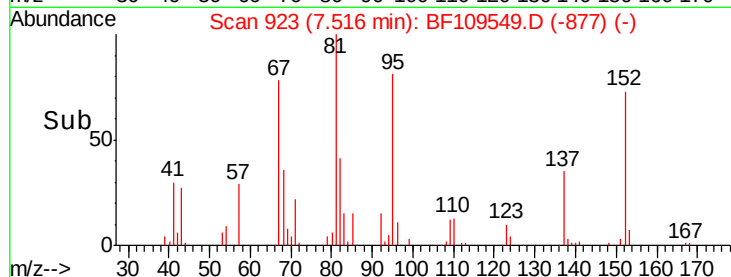
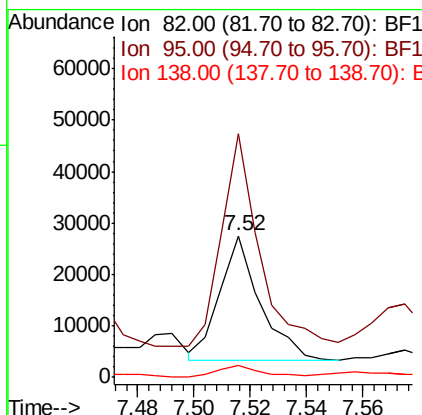
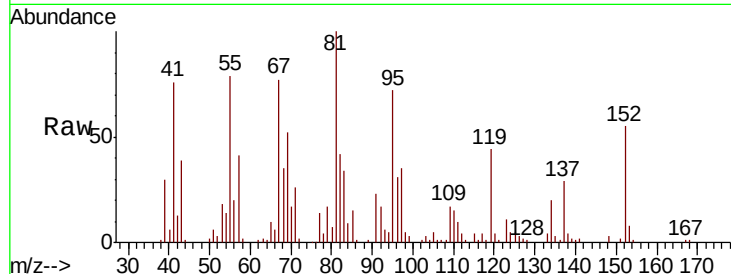




#25
Isophorone
Concen: 2.649 ng
RT: 7.52 min Scan# 923
Delta R.T. -0.03 min
Lab File: BF109549.D
Acq: 3 Oct 2018 16:33

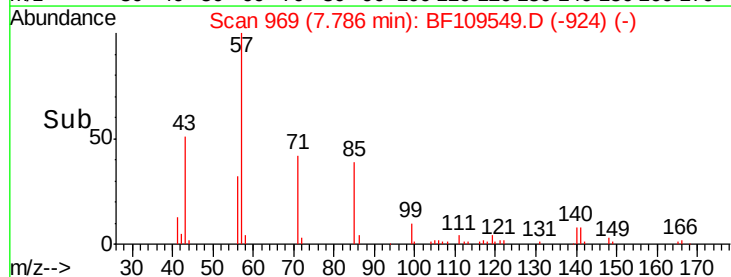
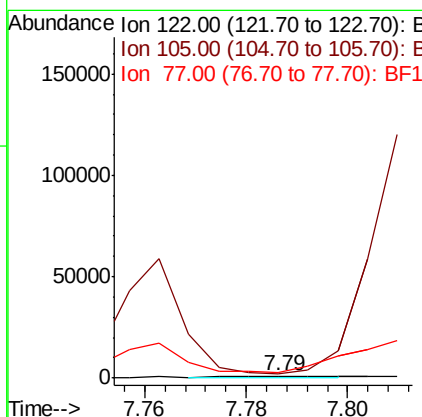
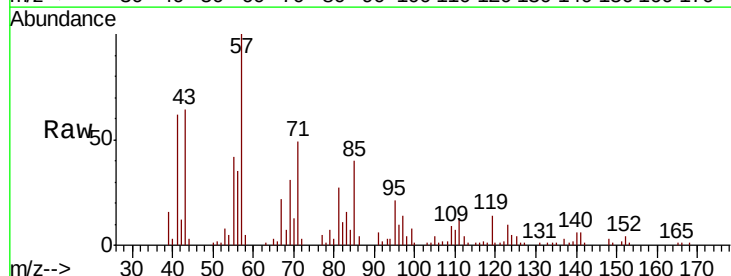
Instrument :
BNA_F
ClientSampleId :

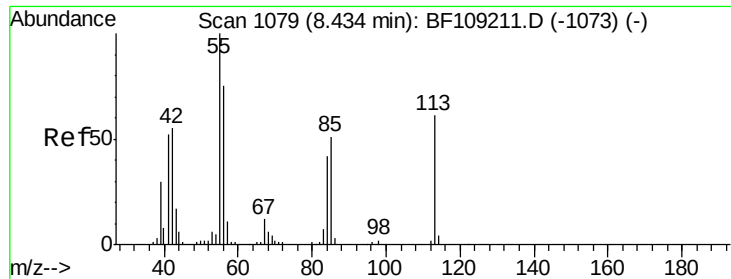
Tot Ion: 82 Resp: 23694
Ion Ratio Lower Upper
82 100
95 172.1 5.2 7.8#
138 8.5 14.9 22.3#



#32
Benzoic acid
Concen: 7.031 ng
RT: 7.79 min Scan# 969
Delta R.T. -0.03 min
Lab File: BF109549.D
Acq: 3 Oct 2018 16:33

Tgt Ion: 122 Resp: 721
Ion Ratio Lower Upper
122 100
105 204.1 101.1 141.1#
77 250.1 70.7 110.7#

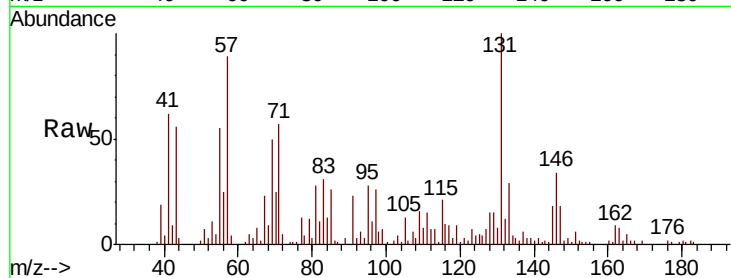




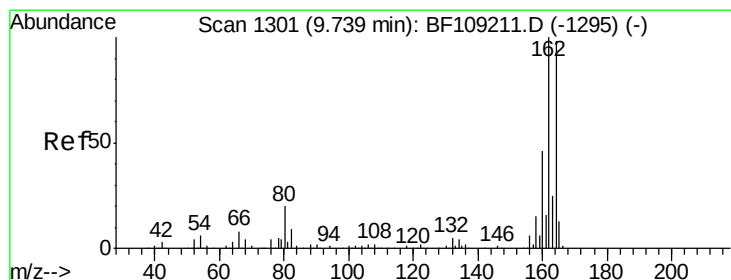
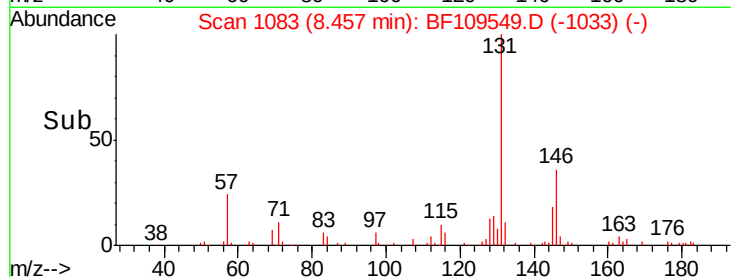
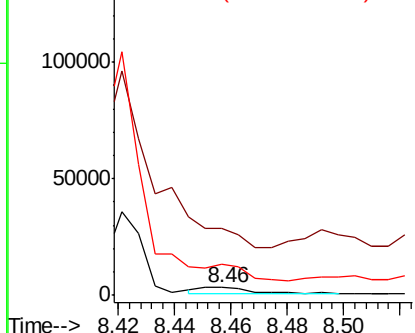
#35
 Caprolactam
 Concen: 2.514 ng
 RT: 8.46 min Scan# 1083
 Delta R.T. -0.01 min
 Lab File: BF109549.D
 Acq: 3 Oct 2018 16:33

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:113 Resp: 3287
 Ion Ratio Lower Upper
 113 100
 55 839.7 163.3 203.3#
 56 386.6 115.7 155.7#

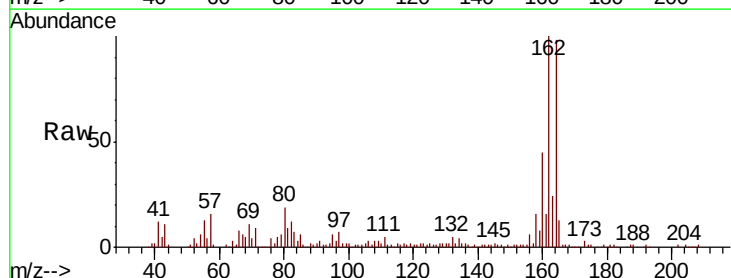


Abundance Ion 113.00 (112.70 to 113.70): E
 Ion 55.00 (54.70 to 55.70): BF1
 Ion 56.00 (55.70 to 56.70): BF1

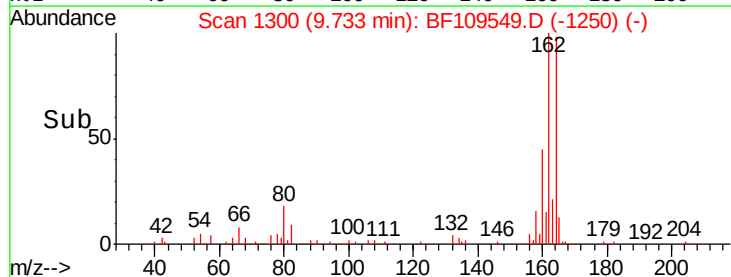
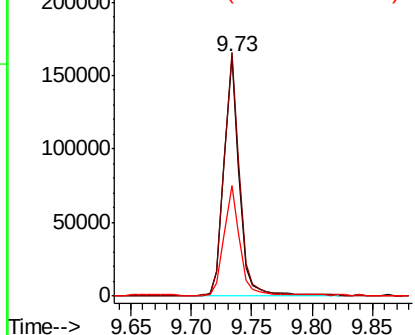


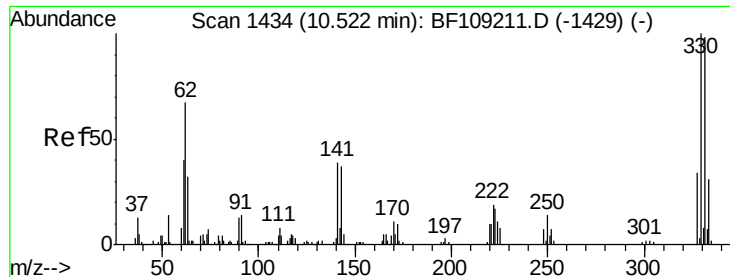
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.73 min Scan# 1300
 Delta R.T. -0.01 min
 Lab File: BF109549.D
 Acq: 3 Oct 2018 16:33

Tgt Ion:164 Resp: 141691
 Ion Ratio Lower Upper
 164 100
 162 101.8 86.1 129.1
 160 46.1 38.3 57.5



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

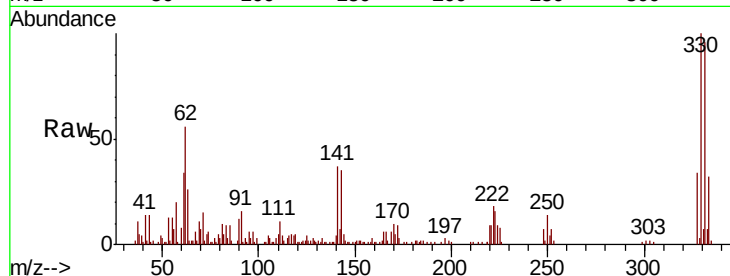




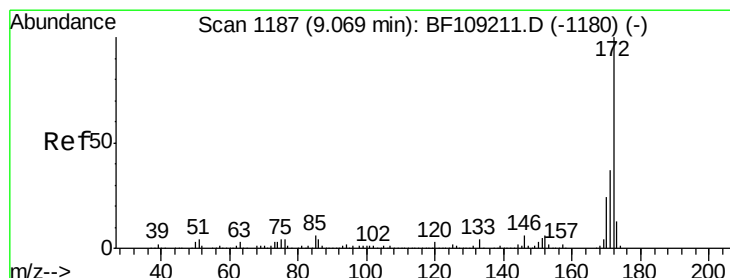
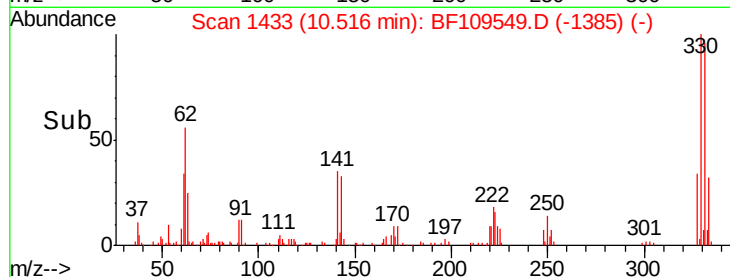
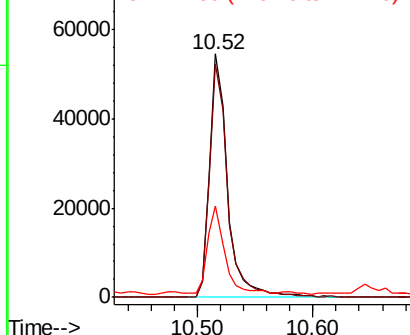
#41
 2,4,6-Tribromophenol
 Concen: 42.307 ng
 RT: 10.52 min Scan# 1433
 Delta R.T. -0.02 min
 Lab File: BF109549.D
 Acq: 3 Oct 2018 16:33

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:330 Resp: 59093
 Ion Ratio Lower Upper
 330 100
 332 97.1 77.0 115.6
 141 33.8 29.9 44.9

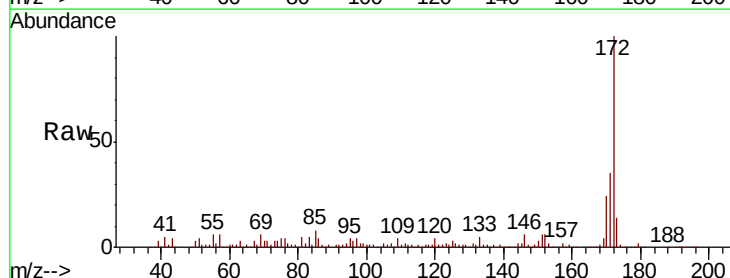


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

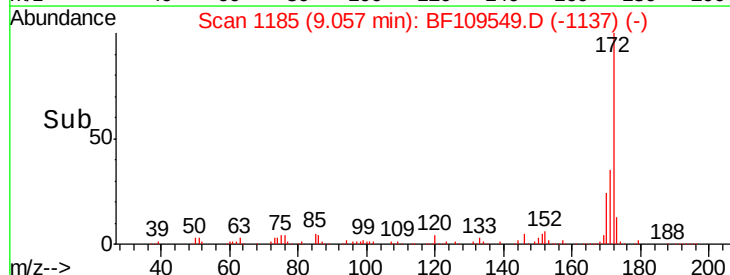
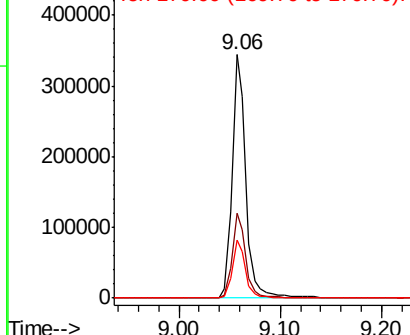


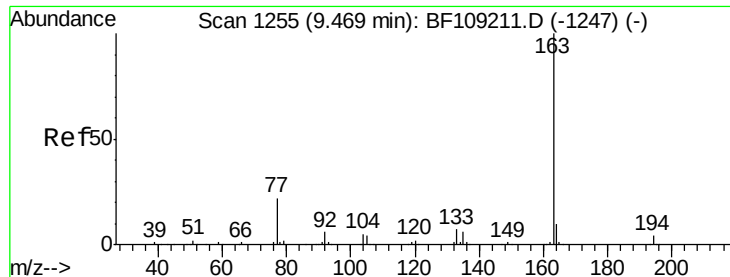
#44
 2-Fluorobiphenyl
 Concen: 34.410 ng
 RT: 9.06 min Scan# 1185
 Delta R.T. -0.02 min
 Lab File: BF109549.D
 Acq: 3 Oct 2018 16:33

Tgt Ion:172 Resp: 323272
 Ion Ratio Lower Upper
 172 100
 171 34.8 29.7 44.5
 170 23.7 19.6 29.4



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

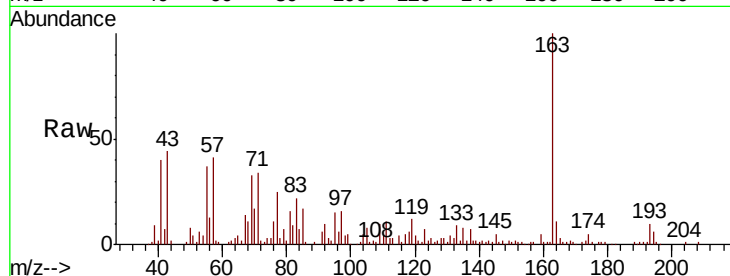




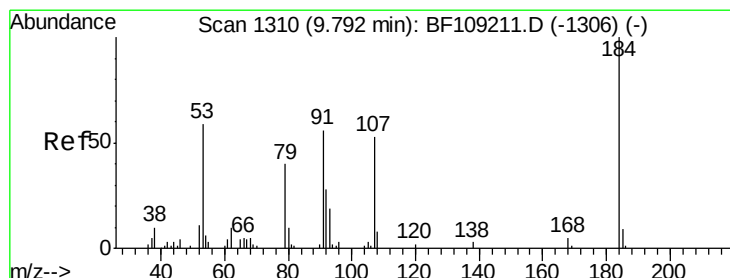
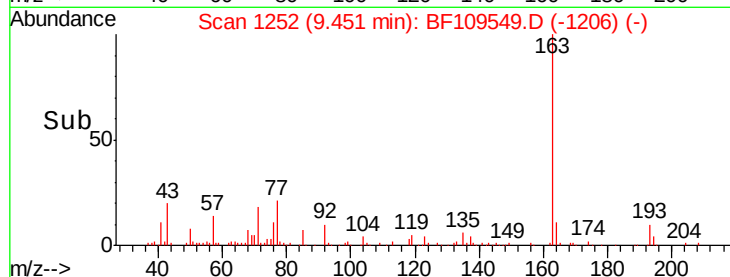
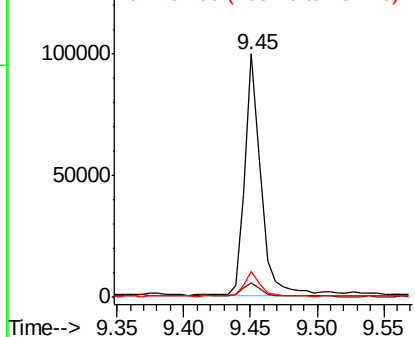
#49
Dimethylphthalate
Concen: 8.105 ng
RT: 9.45 min Scan# 1252
Delta R.T. -0.03 min
Lab File: BF109549.D
Acq: 3 Oct 2018 16:33

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
163	100		
194	6.0	2.7	4.1#
164	10.9	8.2	12.2

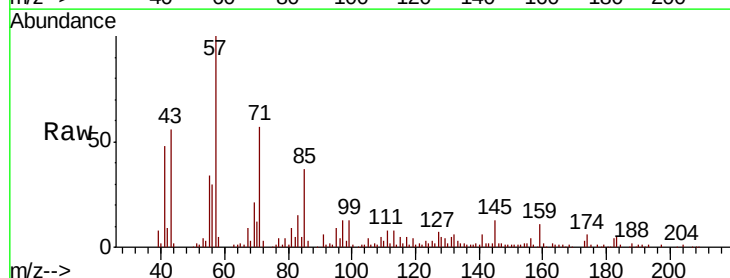


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

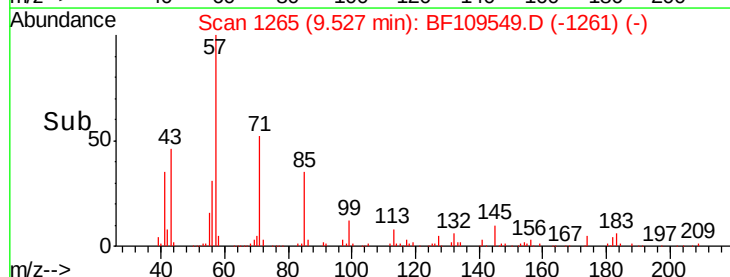
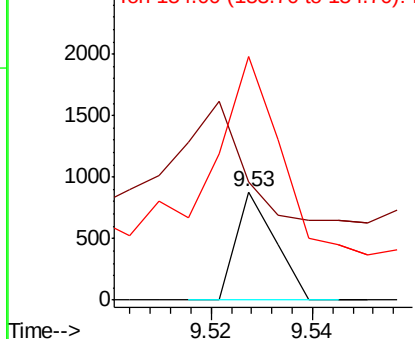


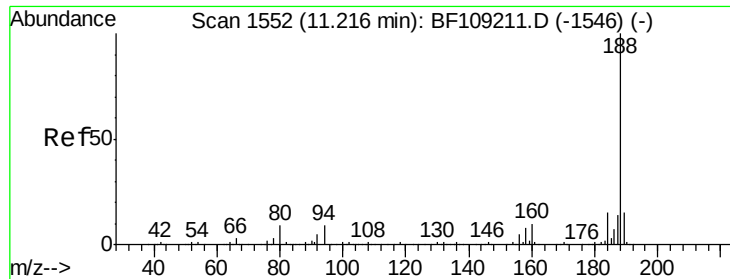
#53
2,4-Dinitrophenol
Concen: 9.083 ng
RT: 9.53 min Scan# 1265
Delta R.T. -0.28 min
Lab File: BF109549.D
Acq: 3 Oct 2018 16:33

Tgt Ion	Ratio	Lower	Upper
184	100		
63	109.2	54.2	81.2#
154	225.1	184.0	276.0



Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 154.00 (153.70 to 154.70): E

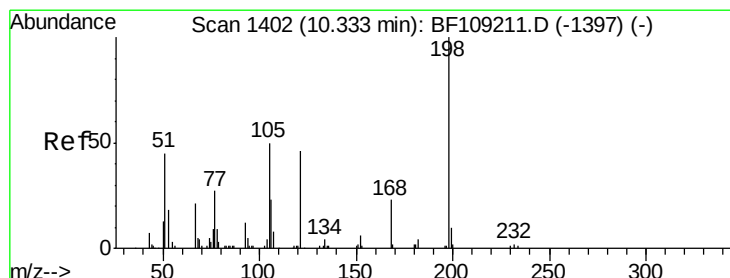
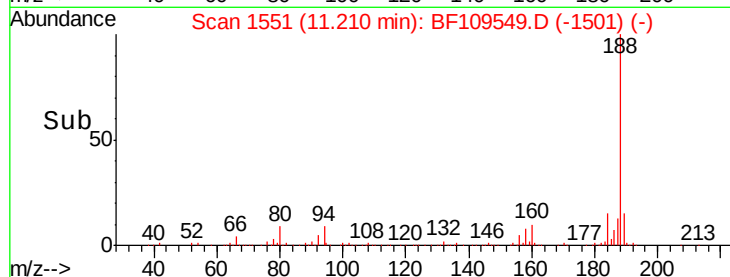
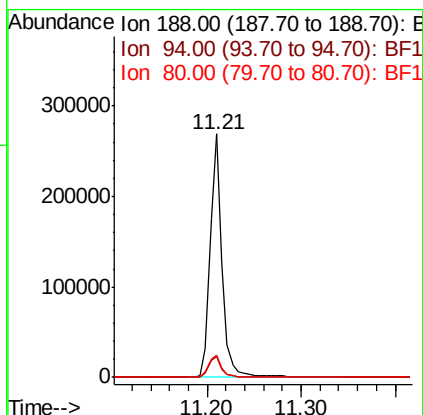
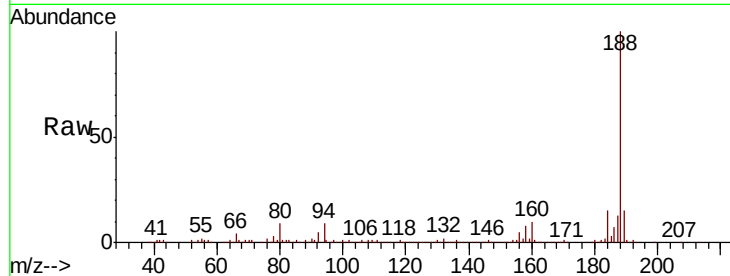




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.21 min Scan# 1551
Delta R.T. -0.01 min
Lab File: BF109549.D
Acq: 3 Oct 2018 16:33

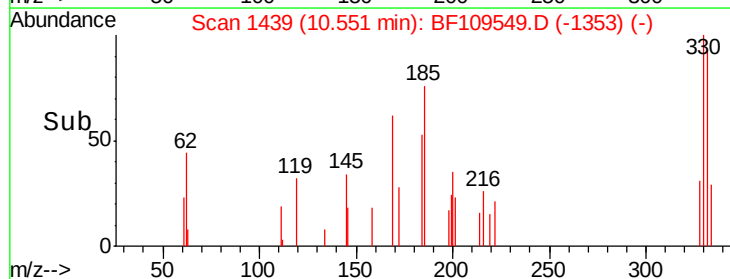
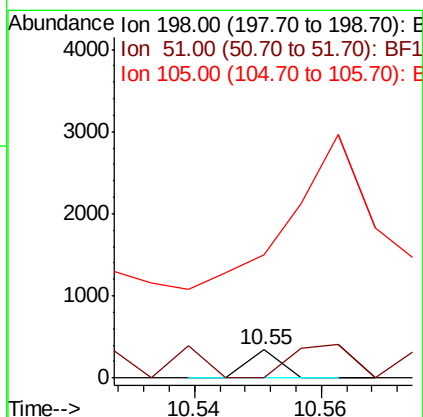
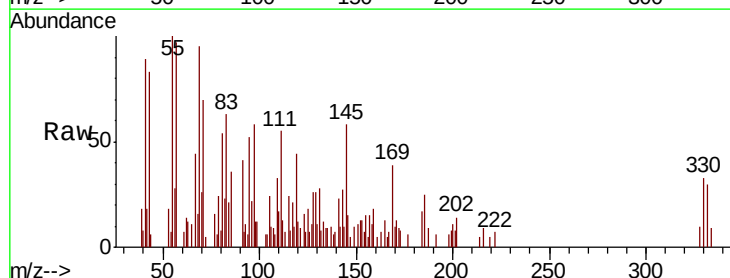
Instrument :
BNA_F
ClientSampleId :

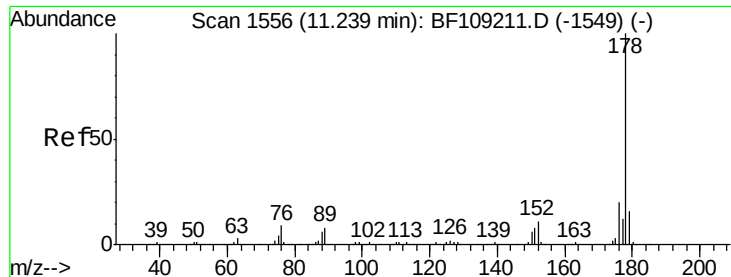
Tot Ion:188 Resp: 241380
Ion Ratio Lower Upper
188 100
94 8.8 8.5 12.7
80 9.1 9.2 13.8#



#64
4,6-Dinitro-2-methylphenol
Concen: 6.629 ng
RT: 10.55 min Scan# 1439
Delta R.T. 0.21 min
Lab File: BF109549.D
Acq: 3 Oct 2018 16:33

Tgt Ion:198 Resp: 122
Ion Ratio Lower Upper
198 100
51 0.0 37.7 77.7#
105 433.0 36.3 76.3#

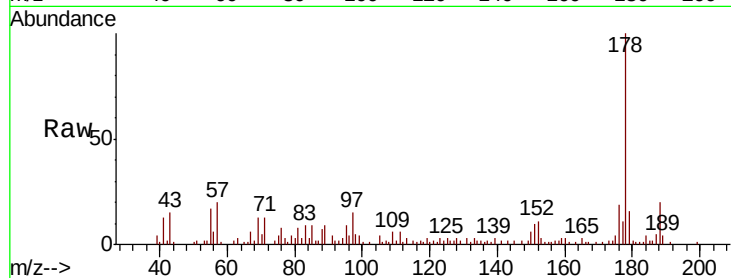




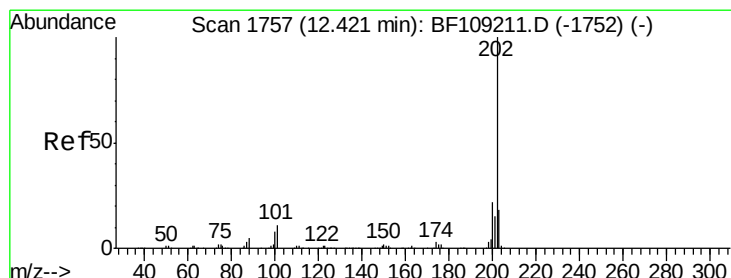
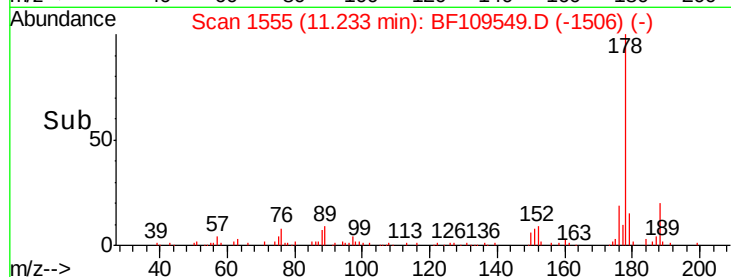
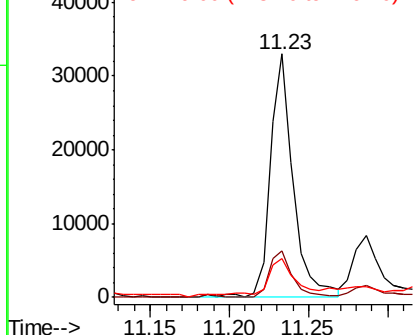
#70
Phenanthrene
Concen: 2.768 ng
RT: 11.23 min Scan# 1555
Delta R.T. -0.01 min
Lab File: BF109549.D
Acq: 3 Oct 2018 16:33

Instrument :
BNA_F
ClientSampleId :

Tot Ion:178 Resp: 33360
Ion Ratio Lower Upper
178 100
176 19.0 15.8 23.8
179 16.2 13.0 19.6

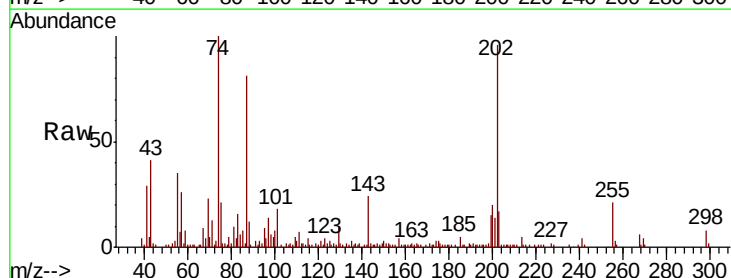


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

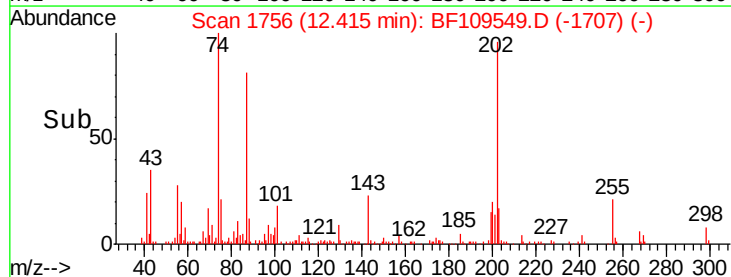
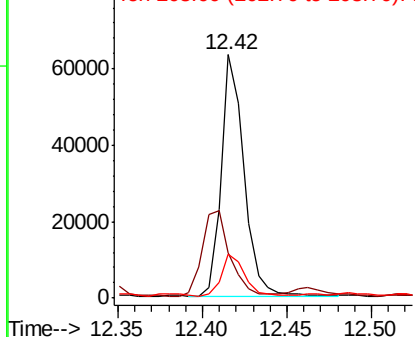


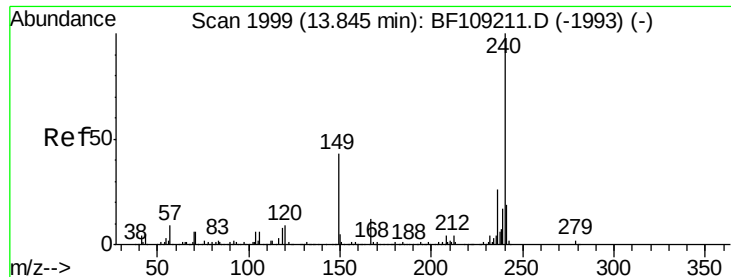
#74
Fluoranthene
Concen: 4.608 ng
RT: 12.42 min Scan# 1756
Delta R.T. -0.01 min
Lab File: BF109549.D
Acq: 3 Oct 2018 16:33

Tgt Ion:202 Resp: 59345
Ion Ratio Lower Upper
202 100
101 18.5 0.0 34.1
203 18.1 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: 13.84 min Scan# 1998

Delta R.T. -0.01 min

Lab File: BF109549.D

Acq: 3 Oct 2018 16:33

Instrument :

BNA_F

ClientSampleId :

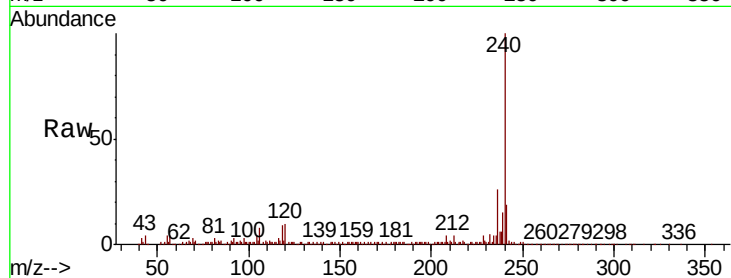
Tot Ion:240 Resp: 238219

Ion Ratio Lower Upper

240 100

120 10.3 9.5 14.3

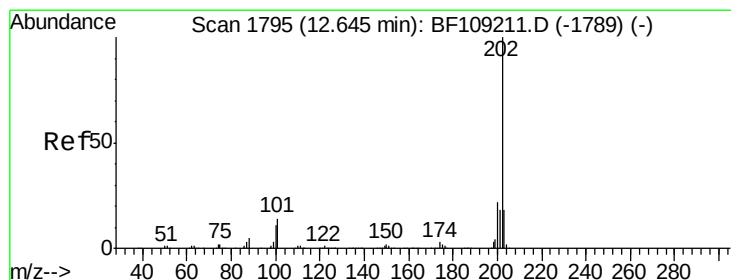
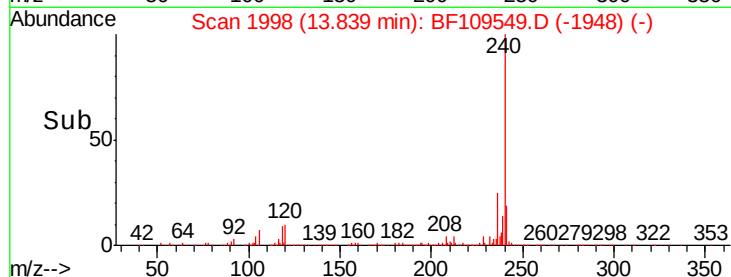
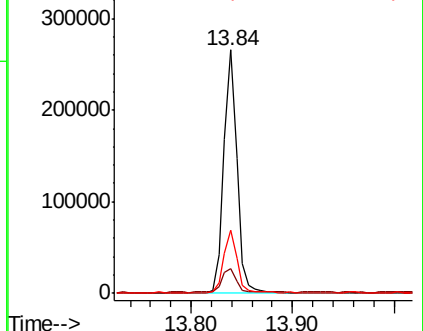
236 25.7 20.7 31.1



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 3.852 ng

RT: 12.64 min Scan# 1795

Delta R.T. -0.01 min

Lab File: BF109549.D

Acq: 3 Oct 2018 16:33

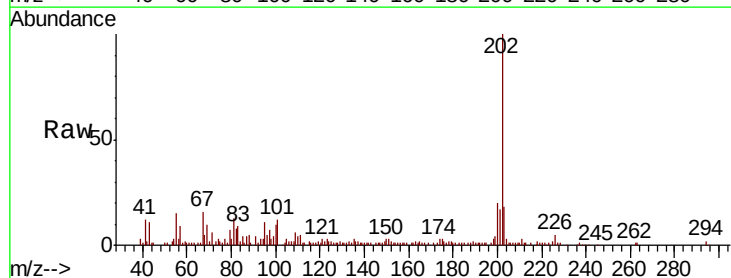
Tgt Ion:202 Resp: 65757

Ion Ratio Lower Upper

202 100

200 20.3 17.4 26.2

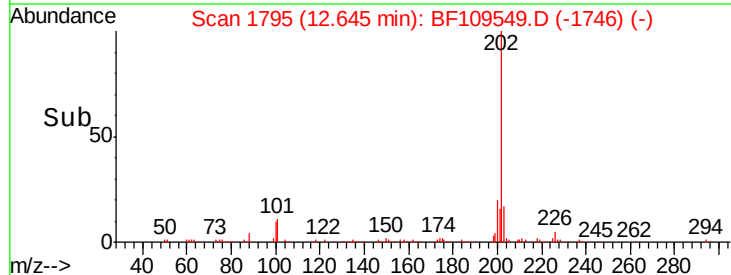
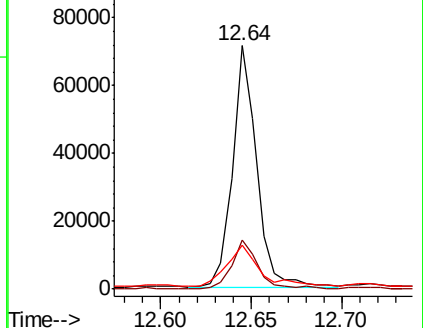
203 18.3 14.3 21.5

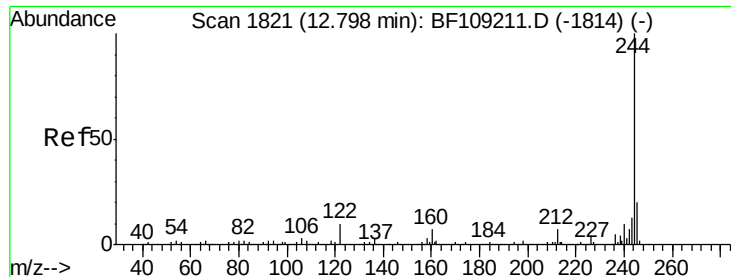


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

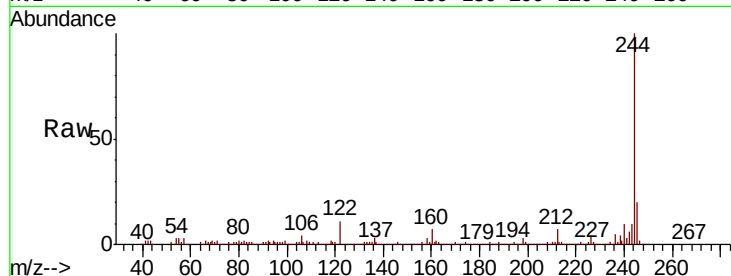




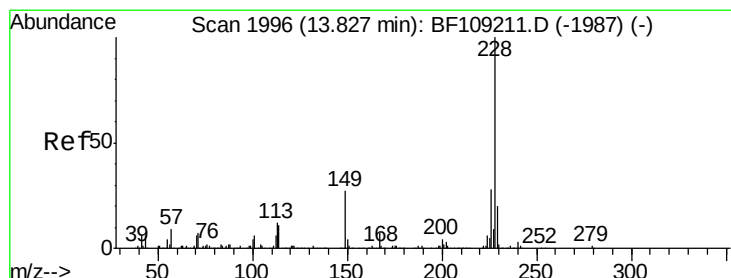
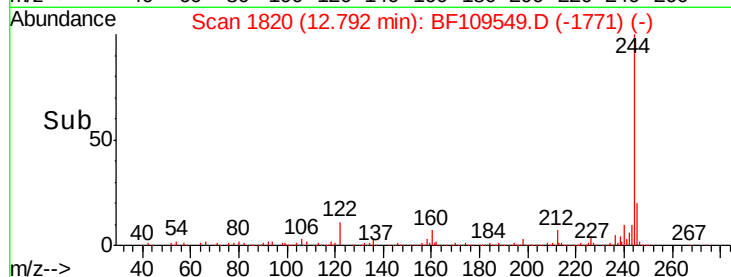
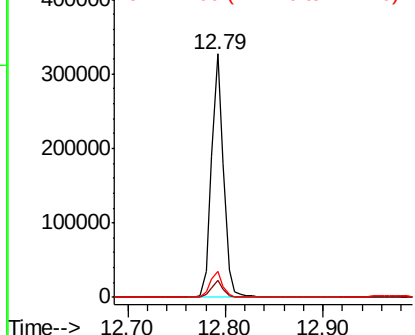
#78
 Terphenyl-d14
 Concen: 28.806 ng
 RT: 12.79 min Scan# 1820
 Delta R.T. -0.01 min
 Lab File: BF109549.D
 Acq: 3 Oct 2018 16:33

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:244 Resp: 279615
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.4 8.0
 122 10.9 11.0 16.4#

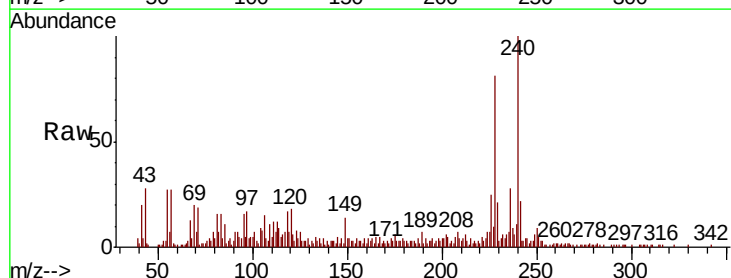


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E

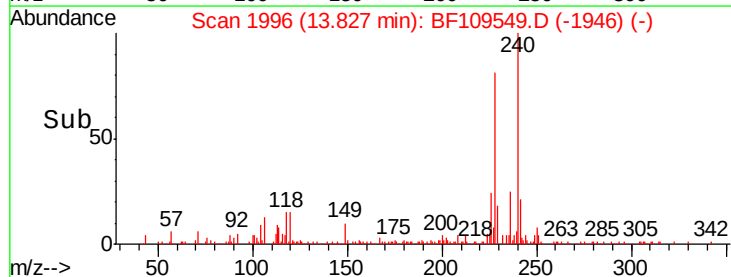
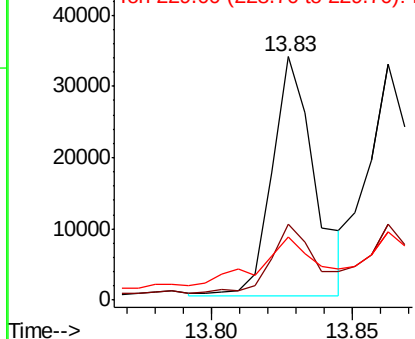


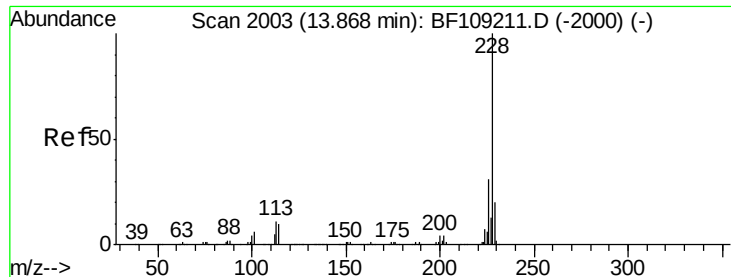
#80
 Benzo(a)anthracene
 Concen: 2.453 ng
 RT: 13.83 min Scan# 1996
 Delta R.T. -0.01 min
 Lab File: BF109549.D
 Acq: 3 Oct 2018 16:33

Tgt Ion:228 Resp: 35200
 Ion Ratio Lower Upper
 228 100
 226 31.4 22.6 33.8
 229 25.9 15.8 23.6#



Abundance Ion 228.00 (227.70 to 228.70): E
 Ion 226.00 (225.70 to 226.70): E
 Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 2.513 ng

RT: 13.86 min Scan# 2002

Delta R.T. -0.01 min

Lab File: BF109549.D

Acq: 3 Oct 2018 16:33

Instrument :

BNA_F

ClientSampleId :

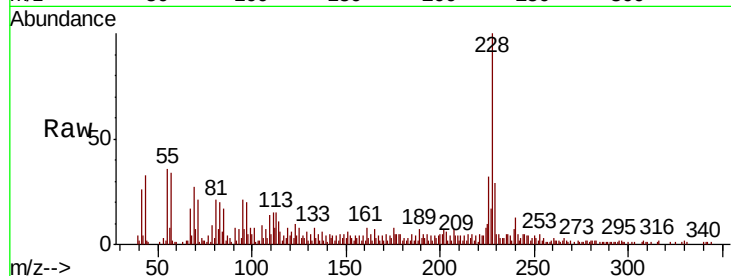
Tot Ion:228 Resp: 35735

Ion Ratio Lower Upper

228 100

226 32.0 25.0 37.6

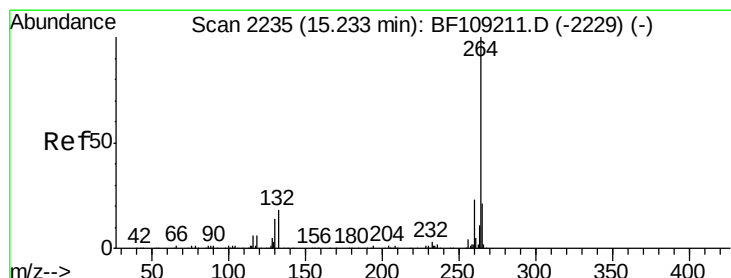
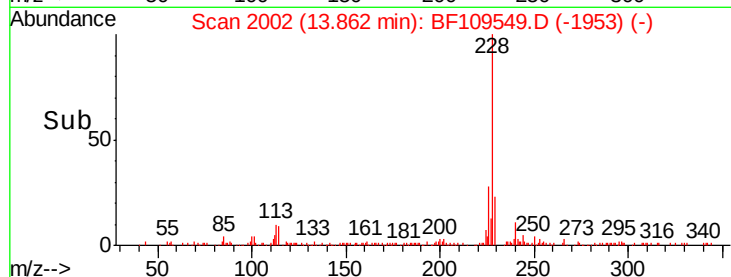
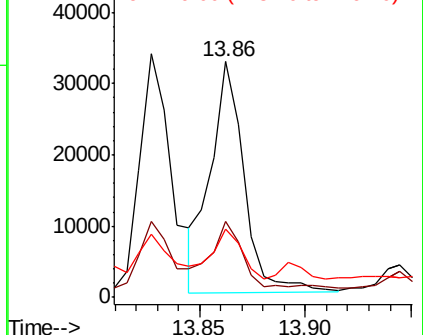
229 28.9 16.2 24.4#



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: 15.24 min Scan# 2237

Delta R.T. 0.01 min

Lab File: BF109549.D

Acq: 3 Oct 2018 16:33

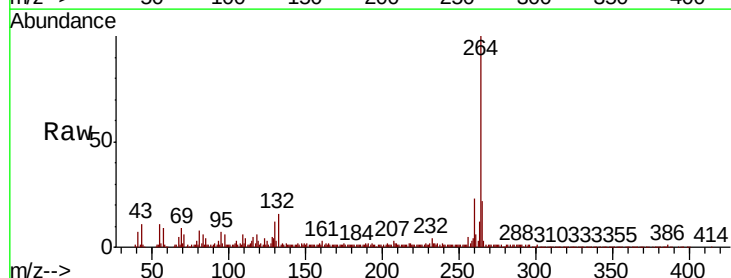
Tgt Ion:264 Resp: 183863

Ion Ratio Lower Upper

264 100

260 23.1 19.2 28.8

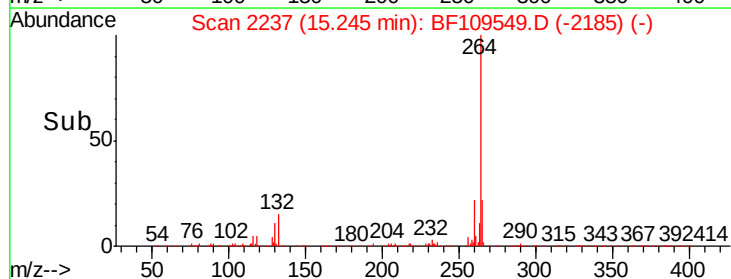
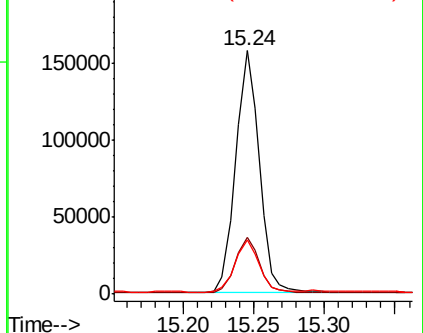
265 22.4 17.5 26.3

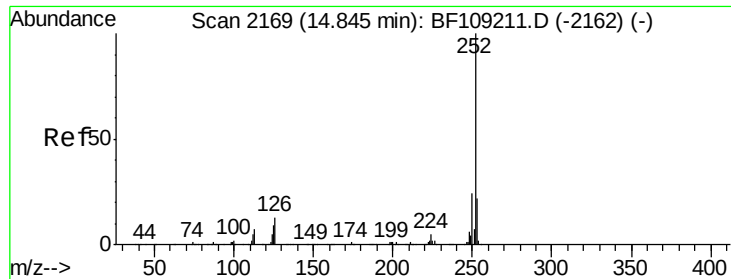


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

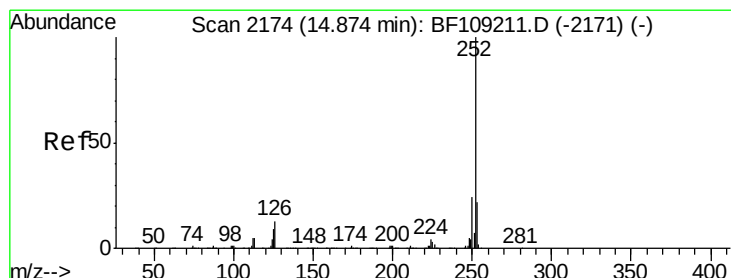
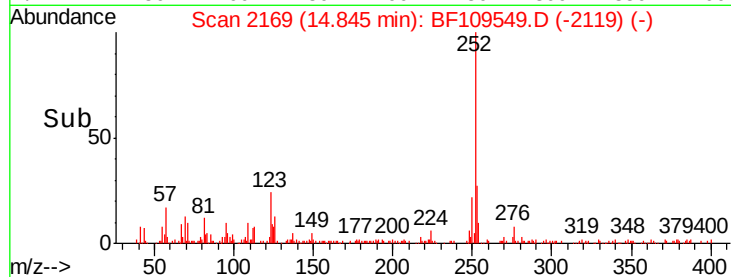
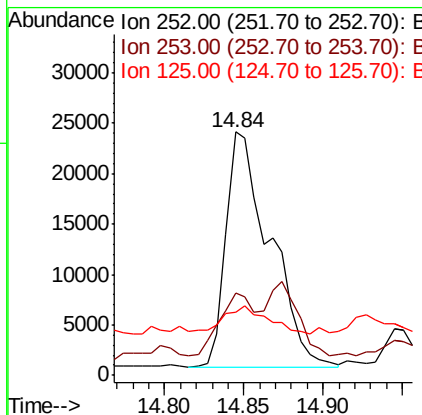
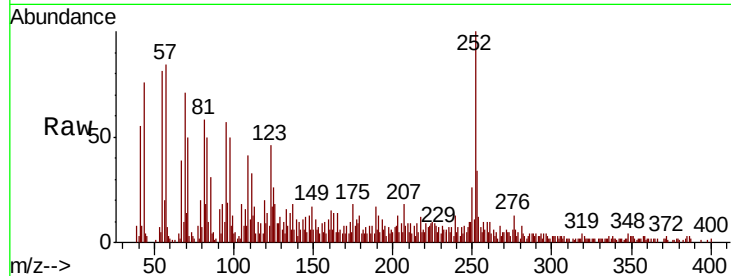




#87
Benzo(b)fluoranthene
Concen: 4.492 ng
RT: 14.84 min Scan# 2169
Delta R.T. -0.01 min
Lab File: BF109549.D
Acq: 3 Oct 2018 16:33

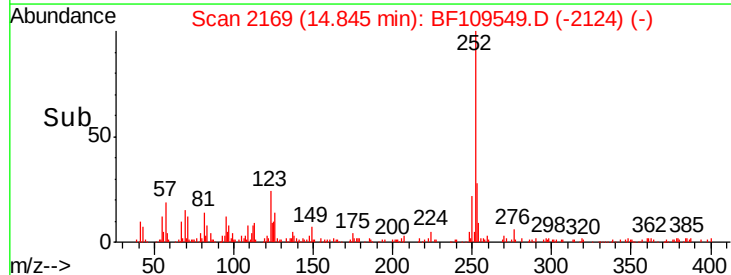
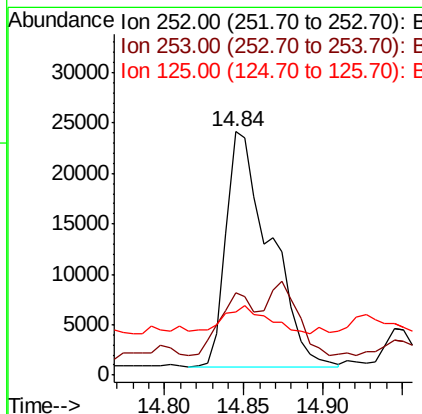
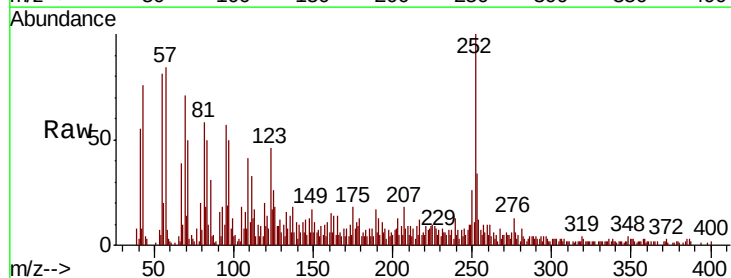
Instrument :
BNA_F
ClientSampleId :

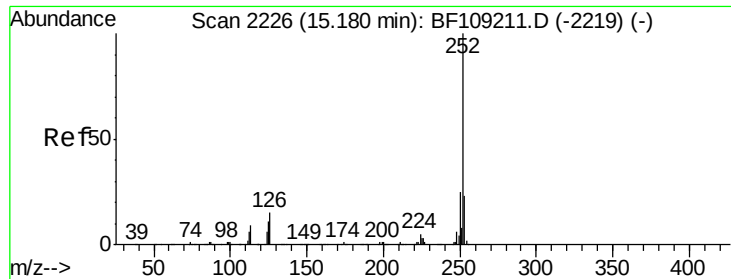
Tot Ion:252 Resp: 45388
Ion Ratio Lower Upper
252 100
253 33.6 17.0 25.6#
125 25.7 9.0 13.6#



#88
Benzo(k)fluoranthene
Concen: 4.734 ng
RT: 14.84 min Scan# 2169
Delta R.T. -0.04 min
Lab File: BF109549.D
Acq: 3 Oct 2018 16:33

Tgt Ion:252 Resp: 45388
Ion Ratio Lower Upper
252 100
253 33.6 17.9 26.9#
125 25.7 10.2 15.2#





#89

Benzo(a)pyrene

Concen: 2.331 ng

RT: 15.19 min Scan# 2227

Delta R.T. -0.00 min

Lab File: BF109549.D

Acq: 3 Oct 2018 16:33

Instrument :

BNA_F

ClientSampleId :

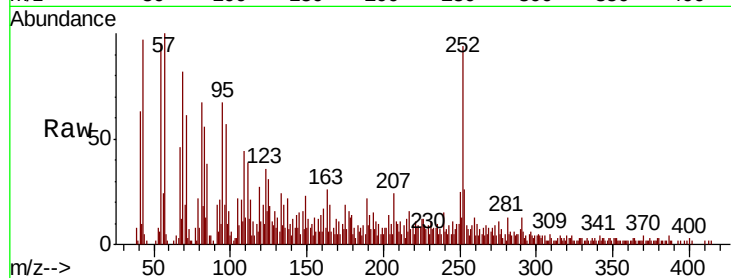
Tot Ion: 252 Resp: 21224

Ion Ratio Lower Upper

252 100

253 28.3 17.1 25.7#

125 33.1 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

