

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092518\
 Data File : BF109299.D
 Acq On : 25 Sep 2018 21:15
 Operator : JU/SJ
 Sample : J5044-08
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 26 02:27:40 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	111407	20.00	ng	0.00
21) Naphthalene-d8	7.99	136	426880	20.00	ng	0.00
38) Acenaphthene-d10	9.74	164	188239	20.00	ng	0.00
63) Phenanthrene-d10	11.22	188	325360	20.00	ng	0.00
75) Chrysene-d12	13.84	240	277139	20.00	ng	0.00
86) Perylene-d12	15.24	264	212696	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.32	112	430376	63.63	ng	0.00
7) Phenol-d6	6.35	99	554984	64.30	ng	-0.01
23) Nitrobenzene-d5	7.27	82	334092	46.20	ng	-0.01
41) 2,4,6-Tribromophenol	10.52	330	110113	59.34	ng	-0.01
44) 2-Fluorobiphenyl	9.06	172	599359	48.02	ng	-0.01
78) Terphenyl-d14	12.80	244	541259	47.93	ng	0.00

Target Compounds

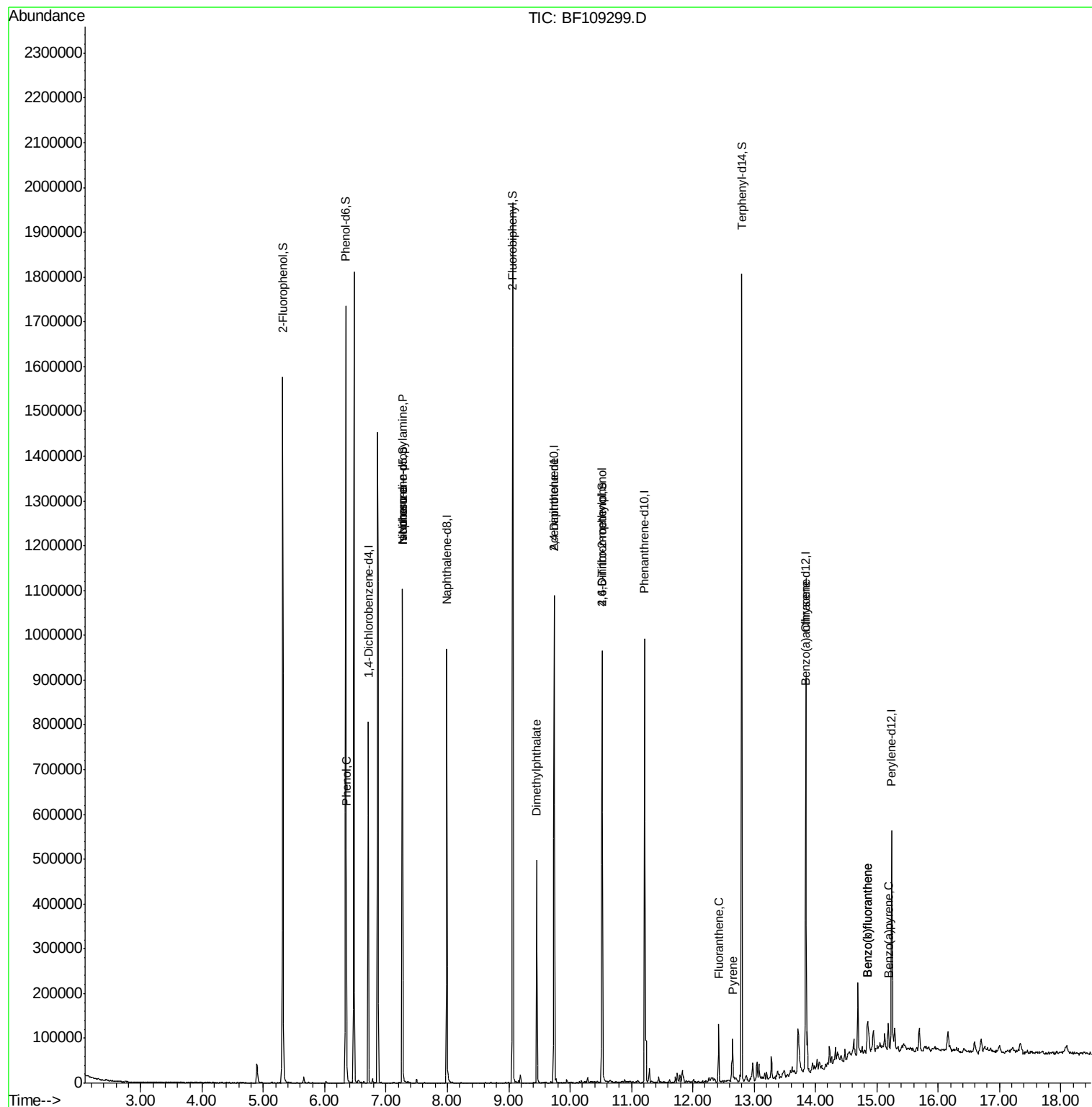
						Qvalue
10) Phenol	6.36	94	25812	2.641	ng	97
19) n-Nitroso-di-n-propylamine	7.27	70	44100	7.798	ng	# 76
25) Isophorone	7.27	82	283436	21.766	ng	# 64
49) Dimethylphthalate	9.46	163	176611	12.900	ng	99
56) 2,4-Dinitrotoluene	9.74	165	24162	7.042	ng	# 21
64) 4,6-Dinitro-2-methylphenol	10.52	198	120	6.599	ng	# 1
74) Fluoranthene	12.42	202	46851	2.699	ng	96
77) Pyrene	12.65	202	41848	2.107	ng	98
80) Benzo(a)anthracene	13.83	228	42474	2.544	ng	98
87) Benzo(b)fluoranthene	14.85	252	46208	3.954	ng	# 89
88) Benzo(k)fluoranthene	14.85	252	46208	4.166	ng	# 92
89) Benzo(a)pyrene	15.19	252	27229	2.585	ng	93

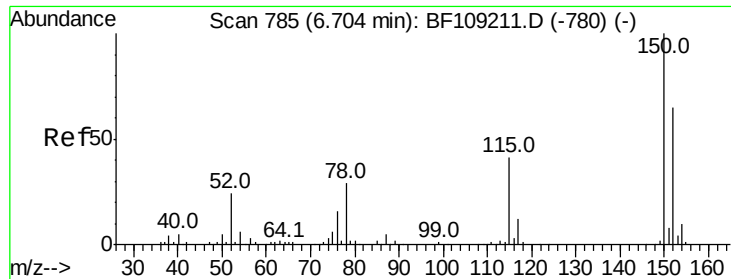
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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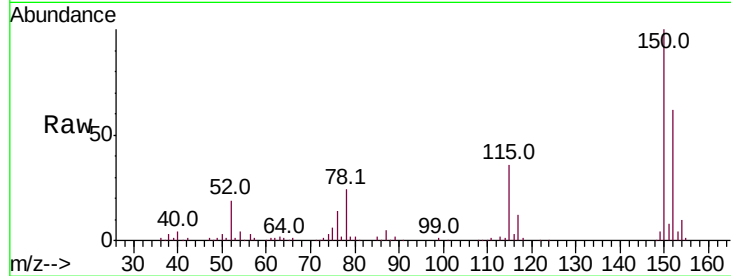


#1

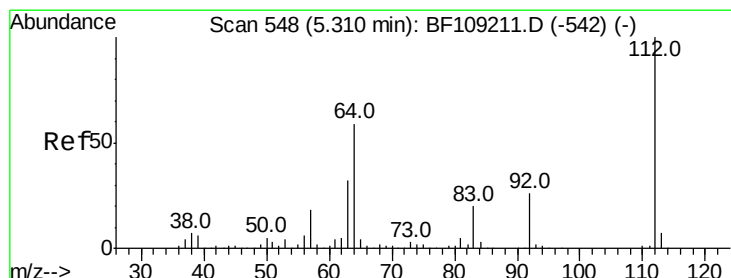
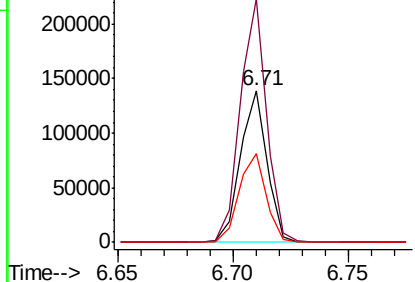
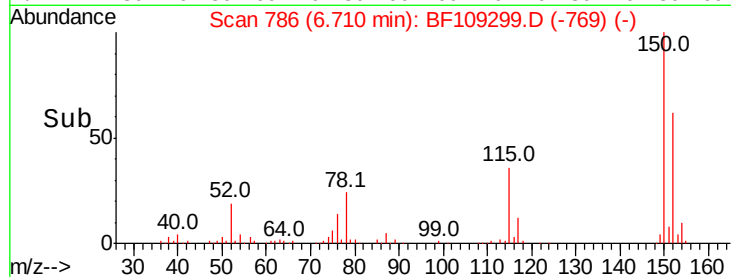
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.71 min Scan# 786
Delta R.T. 0.00 min
Lab File: BF109299.D
Acq: 25 Sep 2018 21:15

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 111407
Ion Ratio Lower Upper
152 100
150 160.3 124.6 186.8
115 58.3 50.1 75.1



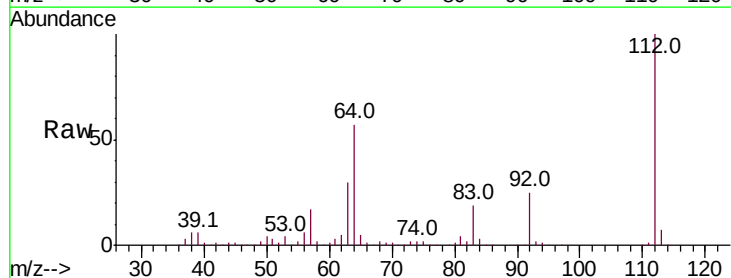
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



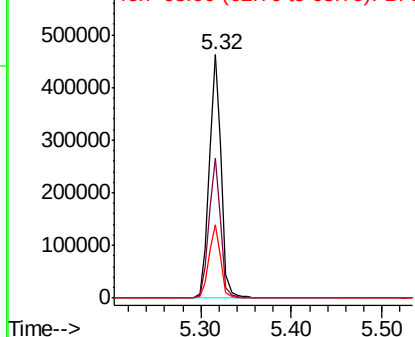
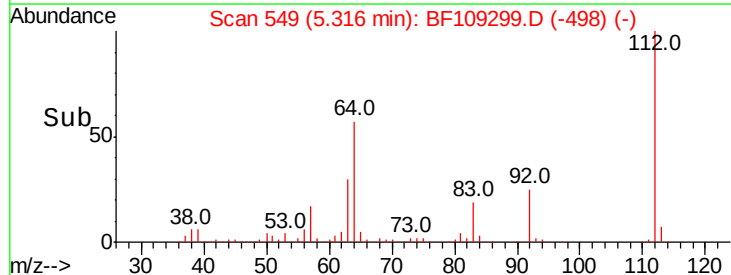
#5

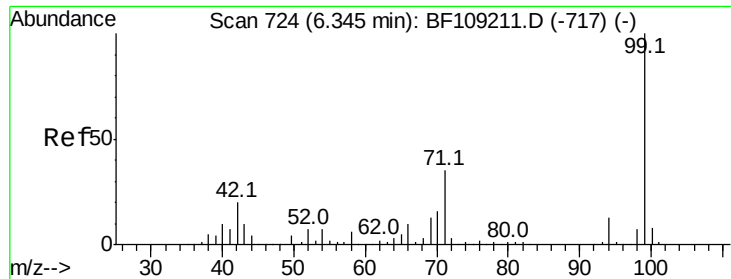
2-Fluorophenol
Concen: 63.628 ng
RT: 5.32 min Scan# 549
Delta R.T. 0.00 min
Lab File: BF109299.D
Acq: 25 Sep 2018 21:15

Tgt Ion:112 Resp: 430376
Ion Ratio Lower Upper
112 100
64 57.5 47.9 71.9
63 30.3 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: 64.301 ng

RT: 6.35 min Scan# 724

Delta R.T. -0.01 min

Lab File: BF109299.D

Acq: 25 Sep 2018 21:15

Instrument :

BNA_F

ClientSampleId :

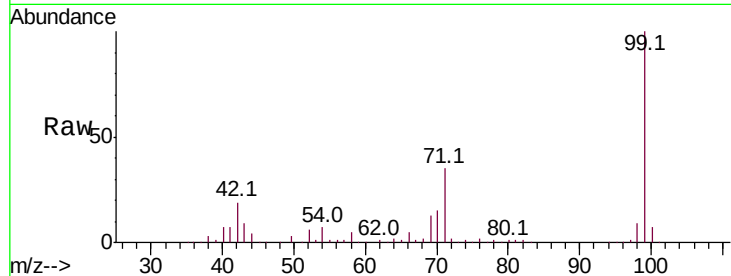
Tot Ion: 99 Resp: 554984

Ion Ratio Lower Upper

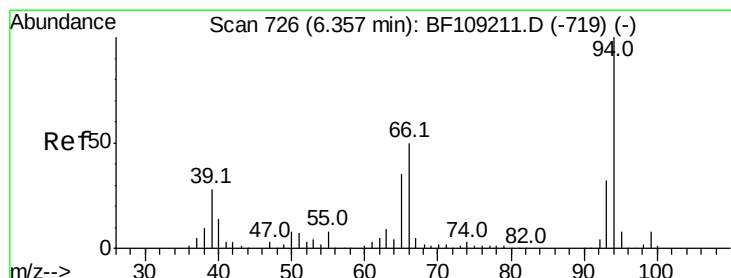
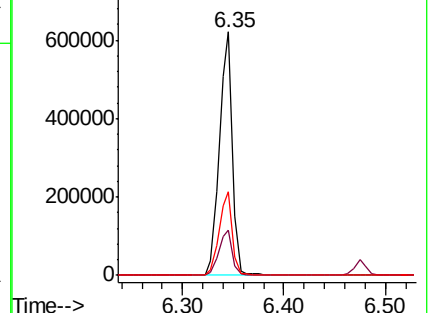
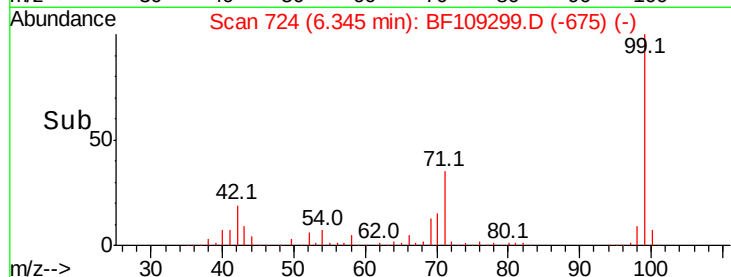
99 100

42 18.5 14.5 21.7

71 34.6 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: 2.641 ng

RT: 6.36 min Scan# 726

Delta R.T. -0.02 min

Lab File: BF109299.D

Acq: 25 Sep 2018 21:15

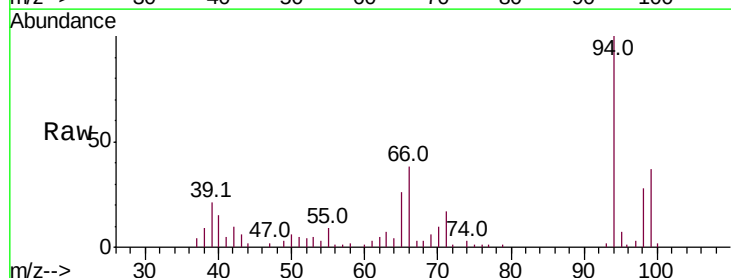
Tgt Ion: 94 Resp: 25812

Ion Ratio Lower Upper

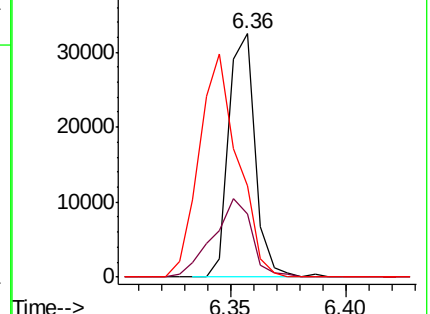
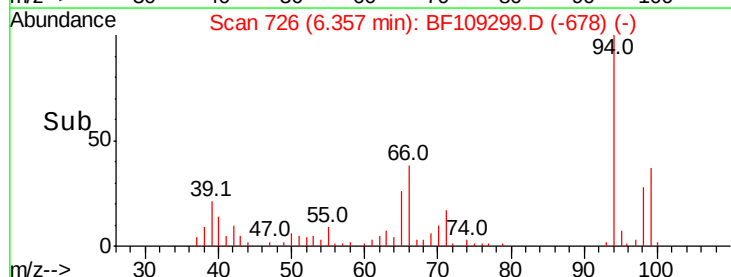
94 100

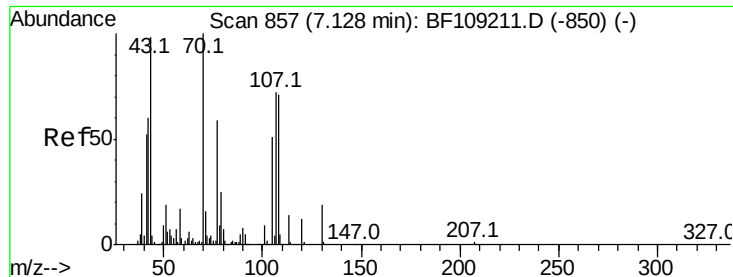
65 26.1 7.9 47.9

66 37.5 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

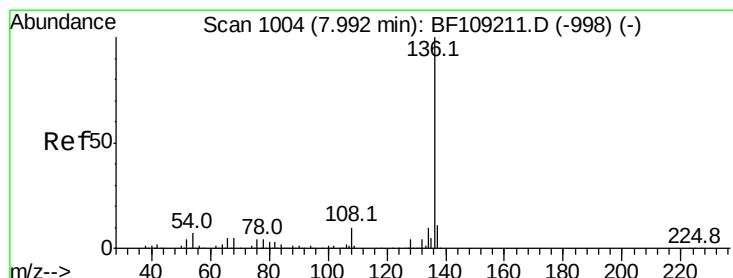
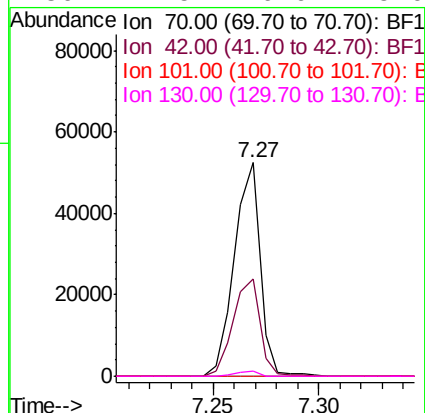
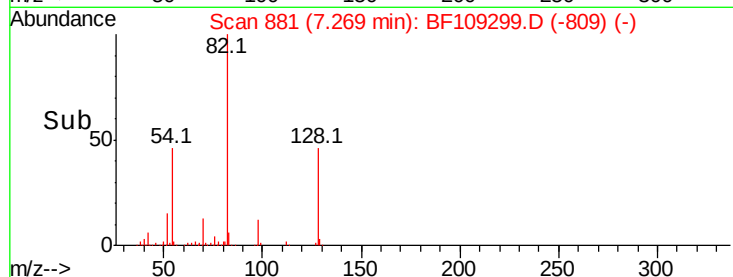
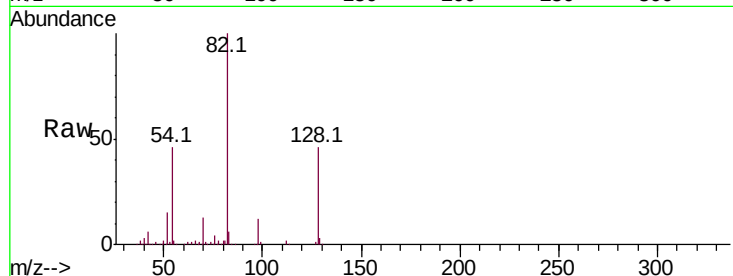




#19
n-Nitroso-di-n-propylamine
Concen: 7.798 ng
RT: 7.27 min Scan# 881
Delta R.T. 0.12 min
Lab File: BF109299.D
Acq: 25 Sep 2018 21:15

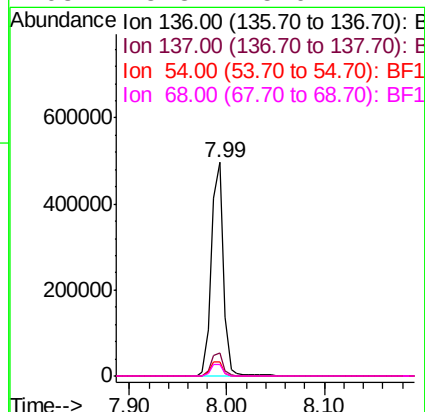
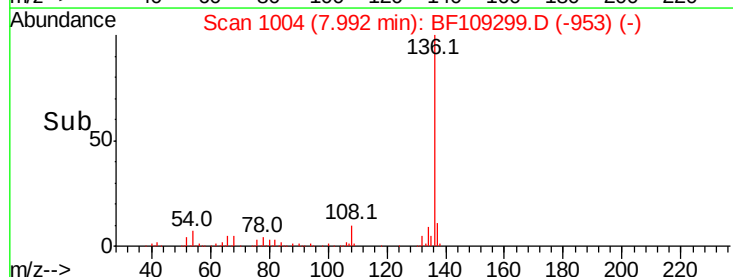
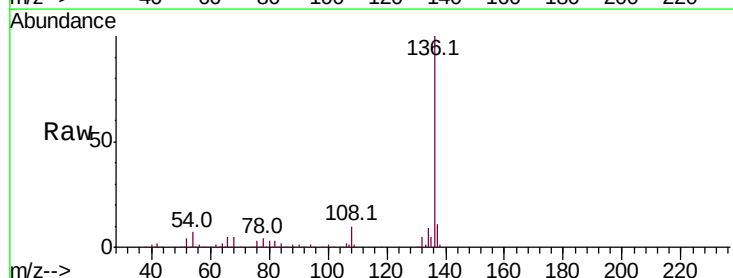
Instrument :
BNA_F
ClientSampleId :

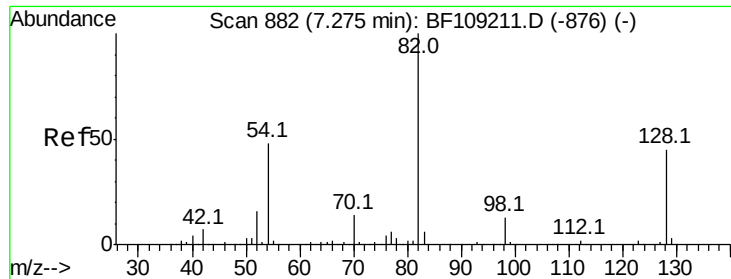
Tot Ion	Ratio	Lower	Upper
70	100		
42	45.3	47.5	71.3#
101	0.0	7.4	11.2#
130	2.5	16.6	25.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.99 min Scan# 1004
Delta R.T. 0.00 min
Lab File: BF109299.D
Acq: 25 Sep 2018 21:15

Tgt Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.9	13.3
54	6.5	6.6	9.8#
68	5.3	5.0	7.4

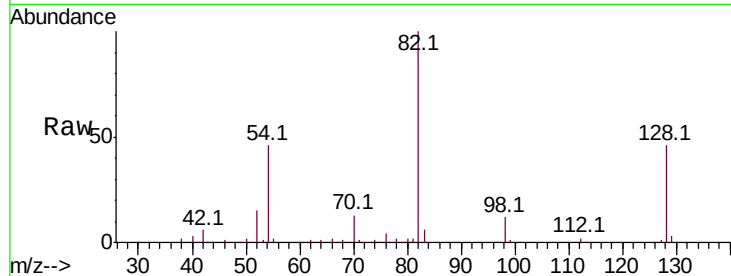




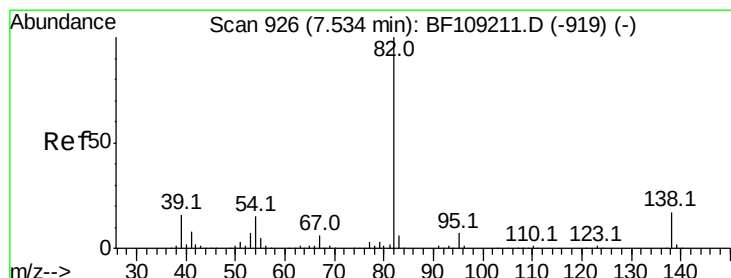
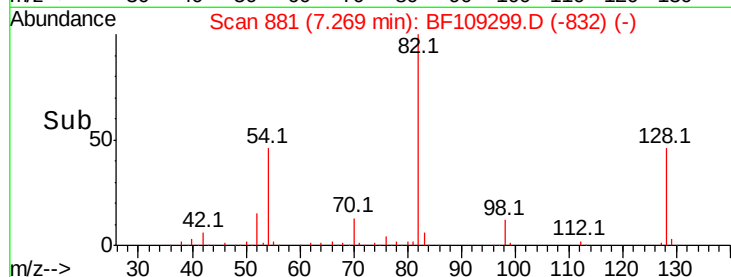
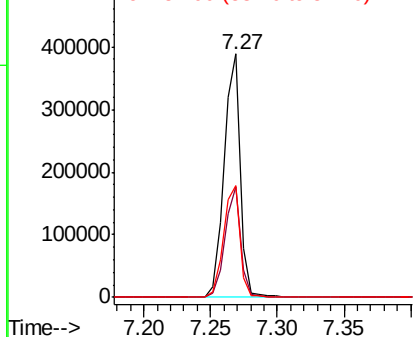
#23
 Nitrobenzene-d5
 Concen: 46.200 ng
 RT: 7.27 min Scan# 881
 Delta R.T. -0.01 min
 Lab File: BF109299.D
 Acq: 25 Sep 2018 21:15

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	82	Resp	334092
Ion Ratio	Lower	Upper	
82	100		
128	45.6	36.1	54.1
54	46.0	41.4	62.2

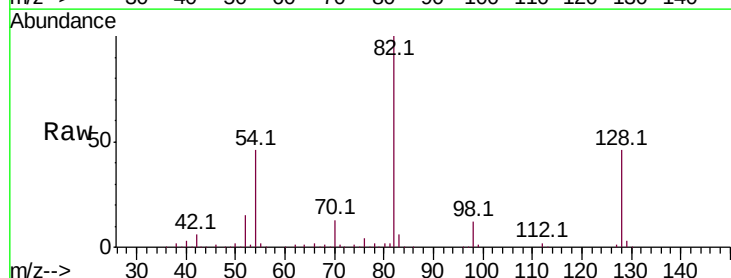


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

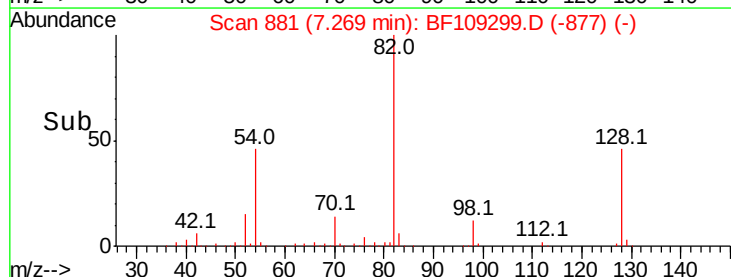
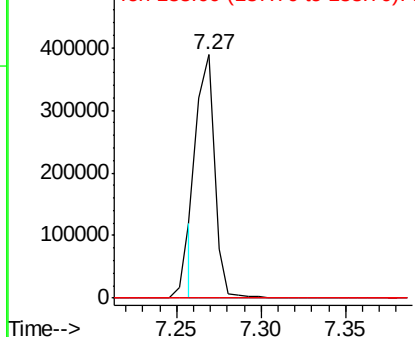


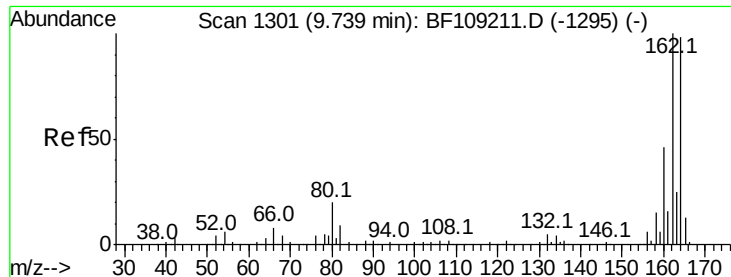
#25
 Isophorone
 Concen: 21.766 ng
 RT: 7.27 min Scan# 881
 Delta R.T. -0.28 min
 Lab File: BF109299.D
 Acq: 25 Sep 2018 21:15

Tgt Ion	82	Resp	283436
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

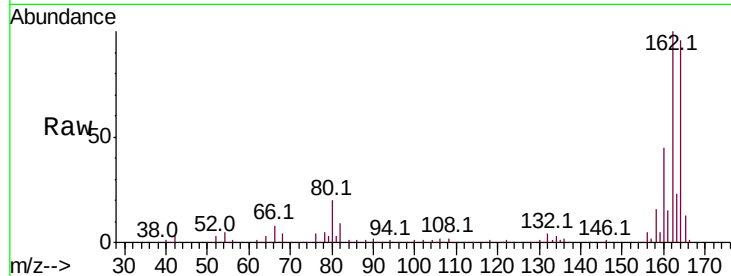




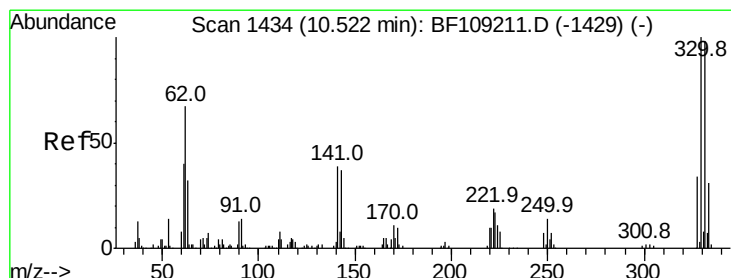
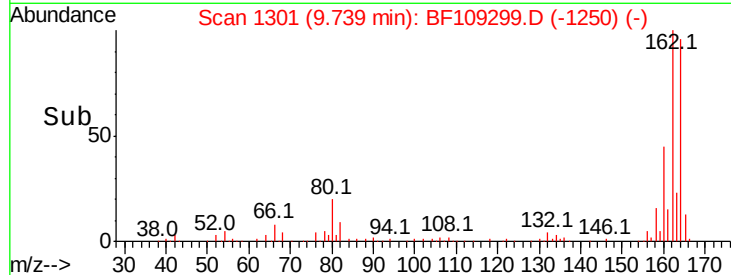
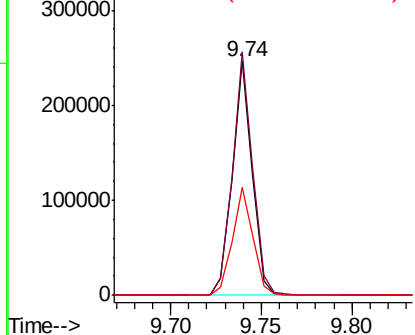
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.74 min Scan# 1301
 Delta R.T. 0.00 min
 Lab File: BF109299.D
 Acq: 25 Sep 2018 21:15

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:164 Resp: 188239
 Ion Ratio Lower Upper
 164 100
 162 103.8 86.1 129.1
 160 46.3 38.3 57.5

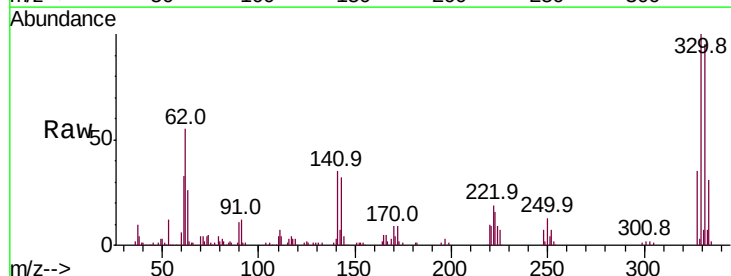


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

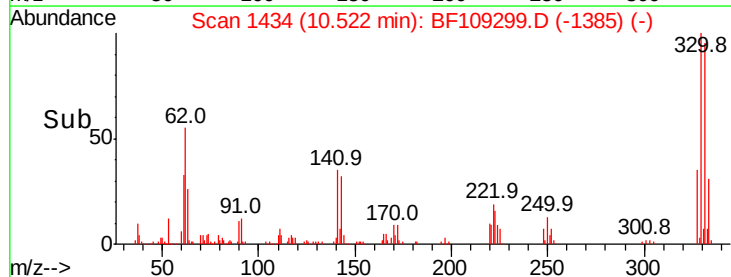
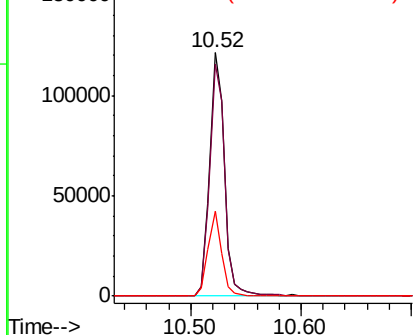


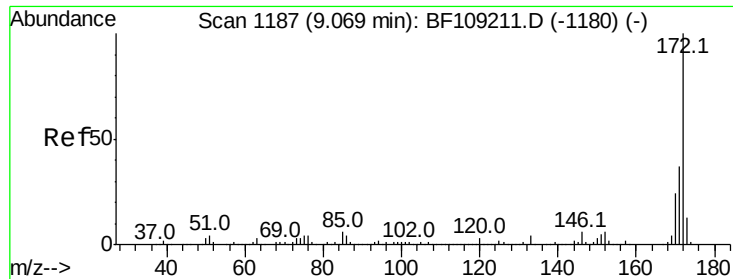
#41
 2,4,6-Tribromophenol
 Concen: 59.339 ng
 RT: 10.52 min Scan# 1434
 Delta R.T. -0.01 min
 Lab File: BF109299.D
 Acq: 25 Sep 2018 21:15

Tgt Ion:330 Resp: 110113
 Ion Ratio Lower Upper
 330 100
 332 96.3 77.0 115.6
 141 31.8 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

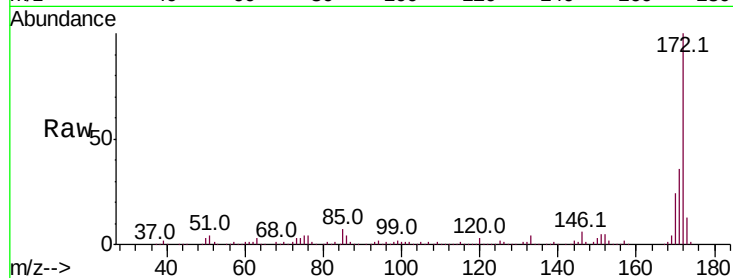




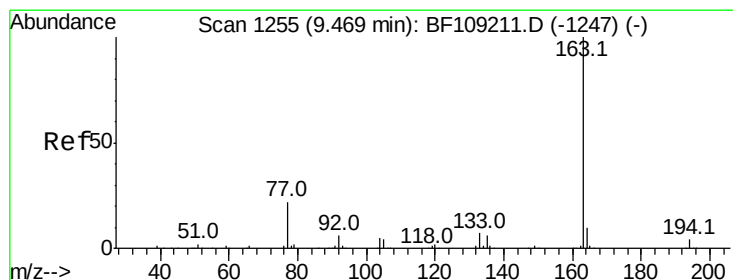
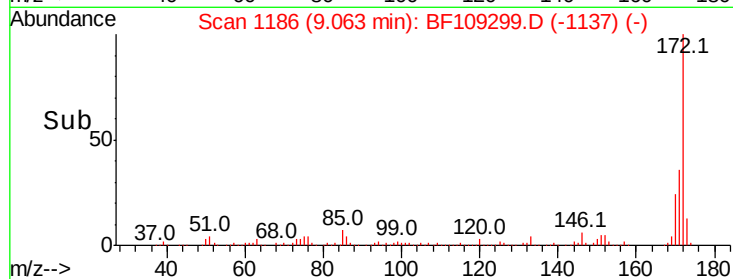
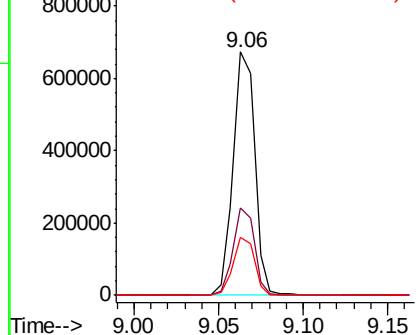
#44
 2-Fluorobiphenyl
 Concen: 48.021 ng
 RT: 9.06 min Scan# 1186
 Delta R.T. -0.01 min
 Lab File: BF109299.D
 Acq: 25 Sep 2018 21:15

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:172 Resp: 599359
 Ion Ratio Lower Upper
 172 100
 171 36.0 29.7 44.5
 170 23.6 19.6 29.4

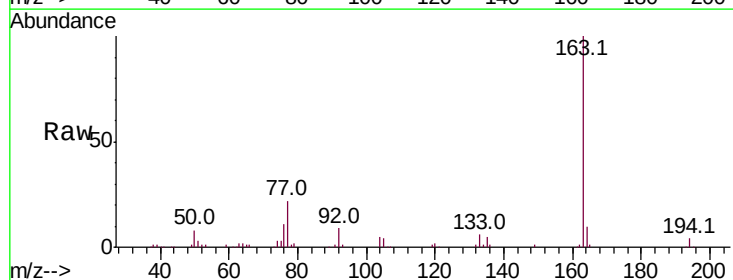


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

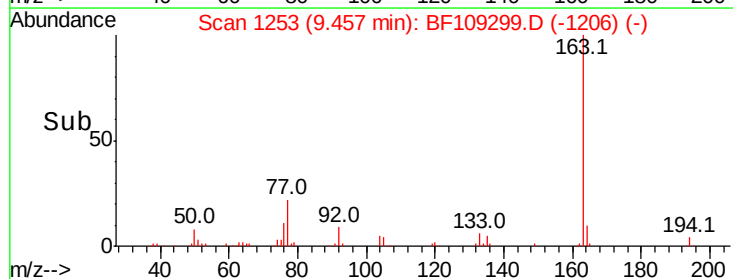
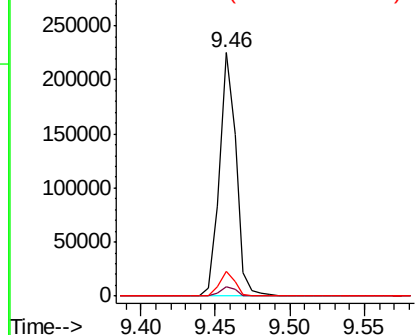


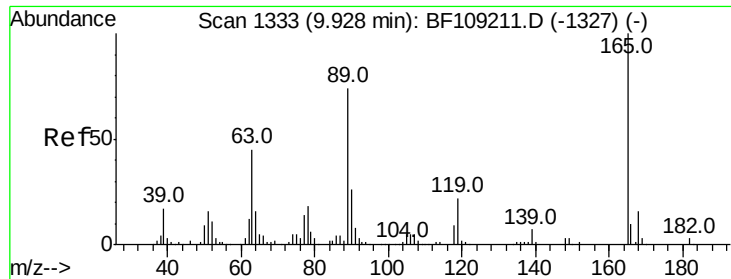
#49
 Dimethylphthalate
 Concen: 12.900 ng
 RT: 9.46 min Scan# 1253
 Delta R.T. -0.02 min
 Lab File: BF109299.D
 Acq: 25 Sep 2018 21:15

Tgt Ion:163 Resp: 176611
 Ion Ratio Lower Upper
 163 100
 194 3.8 2.7 4.1
 164 10.1 8.2 12.2



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

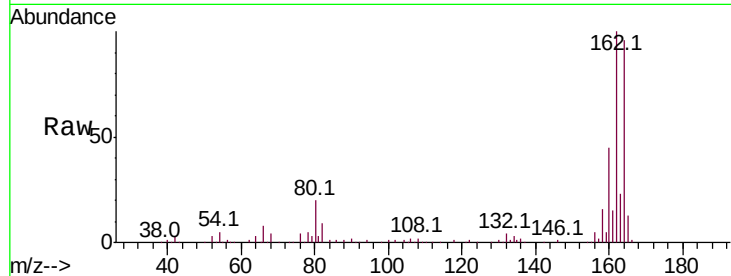




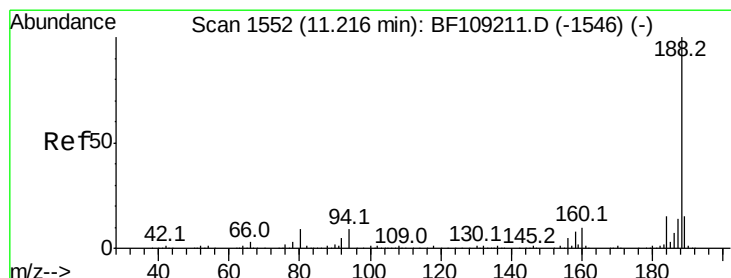
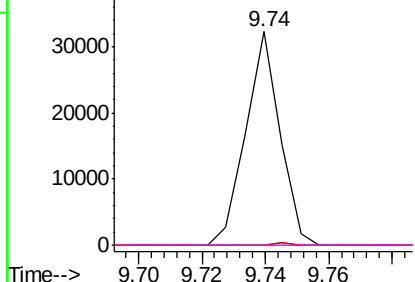
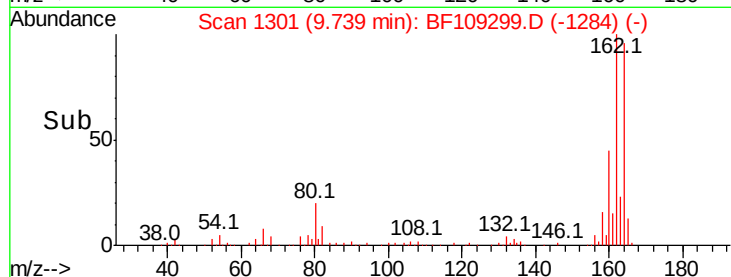
#56
 2,4-Dinitrotoluene
 Concen: 7.042 ng
 RT: 9.74 min Scan# 1301
 Delta R.T. -0.20 min
 Lab File: BF109299.D
 Acq: 25 Sep 2018 21:15

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:165 Resp: 24162
 Ion Ratio Lower Upper
 165 100
 63 0.0 36.4 54.6#
 89 0.0 57.8 86.6#
 182 0.0 1.6 2.4#

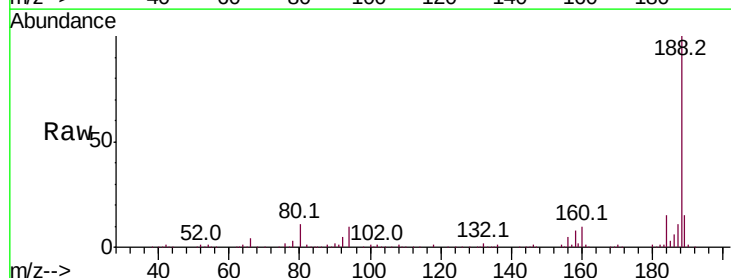


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1
 Ion 182.00 (181.70 to 182.70): E

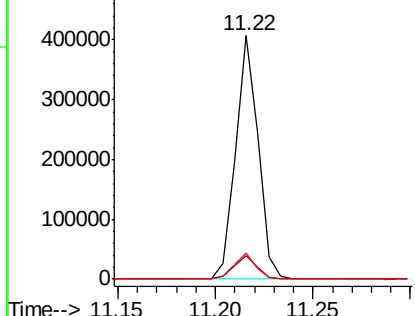
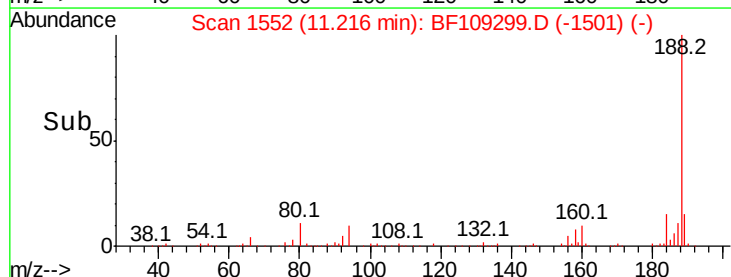


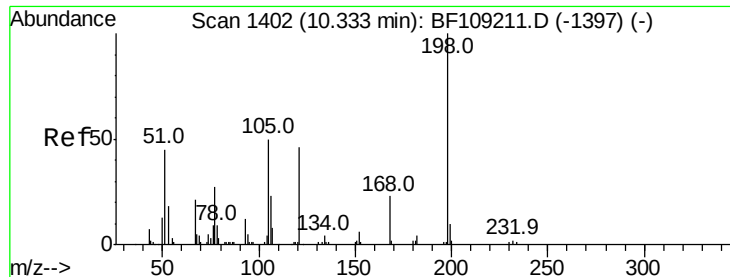
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.22 min Scan# 1552
 Delta R.T. 0.00 min
 Lab File: BF109299.D
 Acq: 25 Sep 2018 21:15

Tgt Ion:188 Resp: 325360
 Ion Ratio Lower Upper
 188 100
 94 9.6 8.5 12.7
 80 10.5 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: 6.599 ng

RT: 10.52 min Scan# 1434

Delta R.T. 0.18 min

Lab File: BF109299.D

Acq: 25 Sep 2018 21:15

Instrument :

BNA_F

ClientSampled :

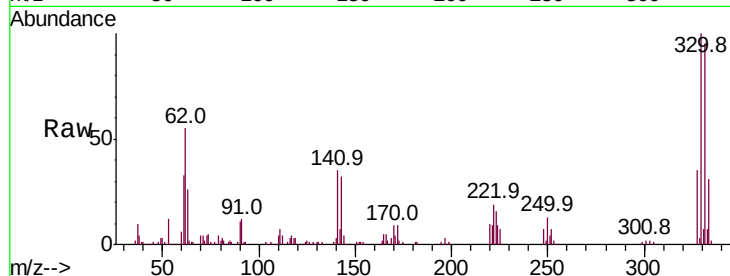
Tot Ion:198 Resp: 120

Ion Ratio Lower Upper

198 100

51 205.3 37.7 77.7#

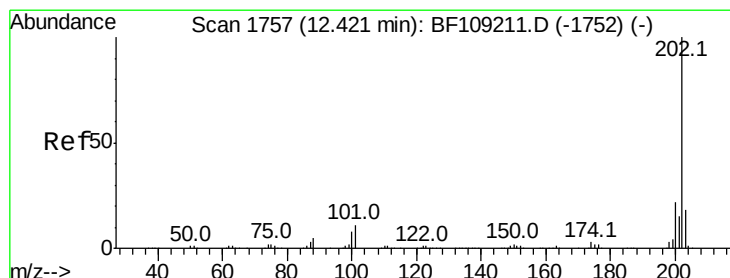
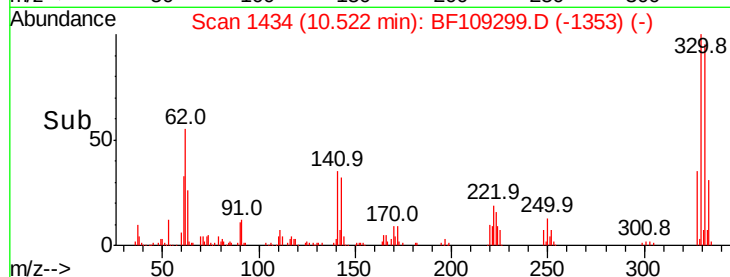
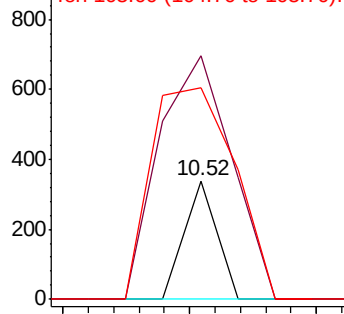
105 178.5 36.3 76.3#



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



#74

Fluoranthene

Concen: 2.699 ng

RT: 12.42 min Scan# 1757

Delta R.T. -0.01 min

Lab File: BF109299.D

Acq: 25 Sep 2018 21:15

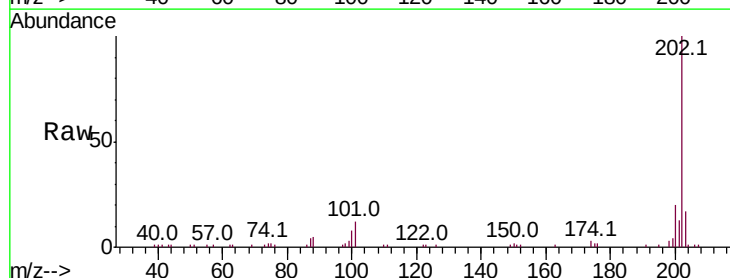
Tgt Ion:202 Resp: 46851

Ion Ratio Lower Upper

202 100

101 12.1 0.0 34.1

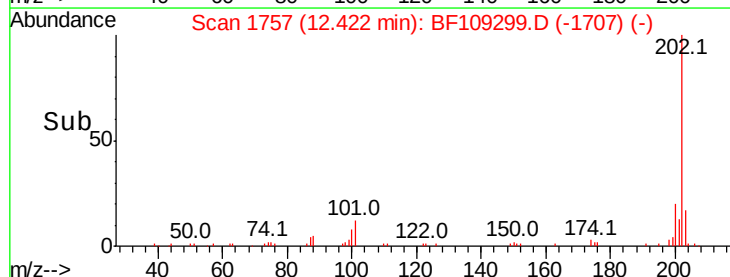
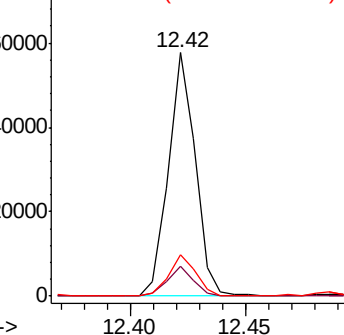
203 17.0 0.0 38.1

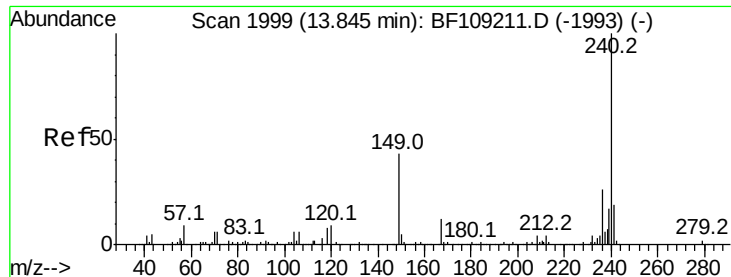


Abundance Ion 202.00 (201.70 to 202.70): E

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# 1999

Delta R.T. 0.00 min

Lab File: BF109299.D

Acq: 25 Sep 2018 21:15

Instrument :

BNA_F

ClientSampleId :

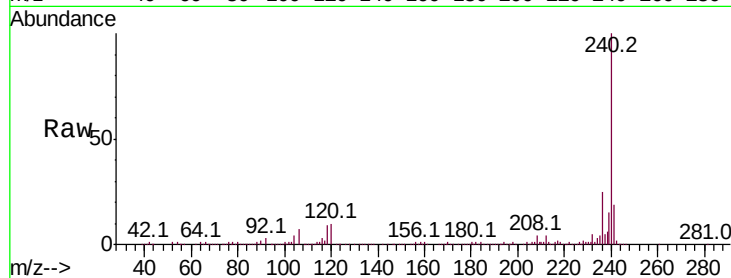
Tot Ion:240 Resp: 277139

Ion Ratio Lower Upper

240 100

120 10.0 9.5 14.3

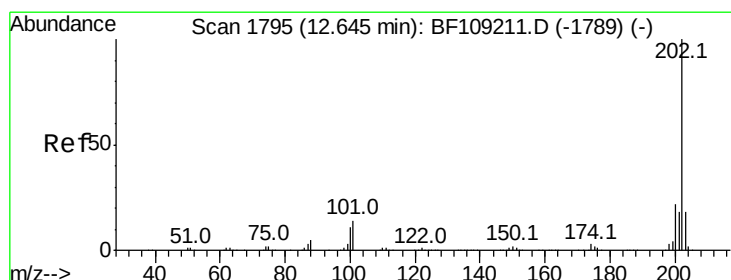
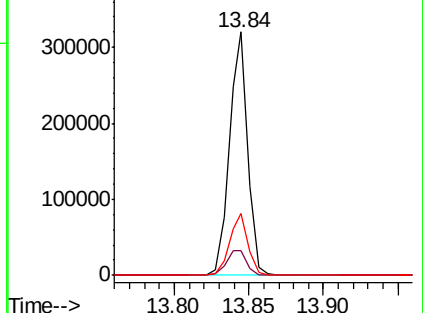
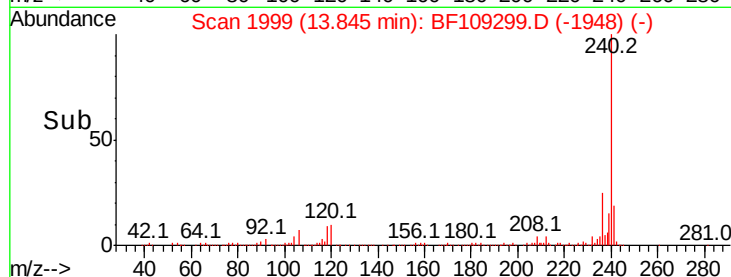
236 25.5 20.7 31.1



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: 2.107 ng

RT: 12.65 min Scan# 1796

Delta R.T. -0.01 min

Lab File: BF109299.D

Acq: 25 Sep 2018 21:15

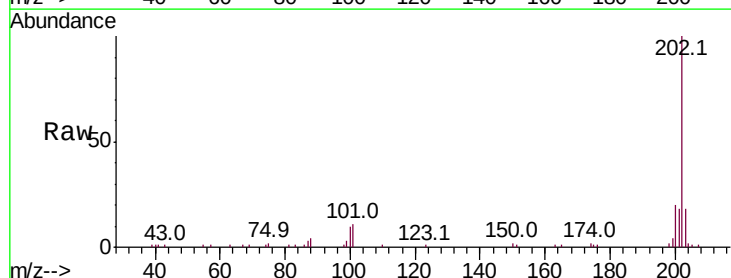
Tgt Ion:202 Resp: 41848

Ion Ratio Lower Upper

202 100

200 20.4 17.4 26.2

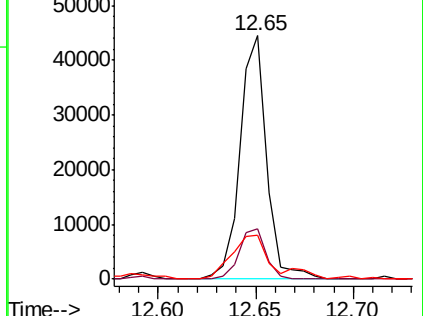
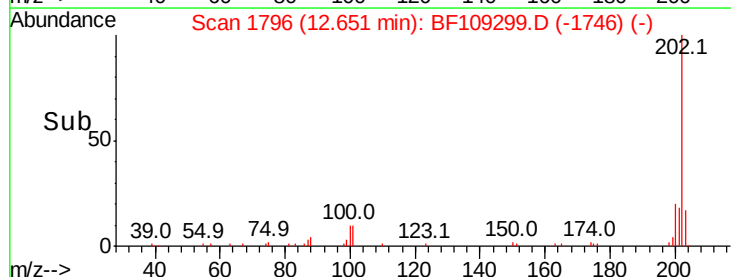
203 18.0 14.3 21.5

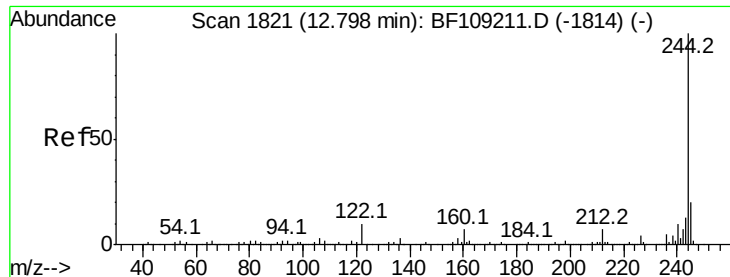


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

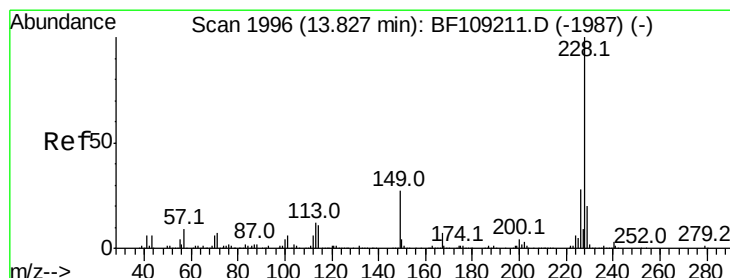
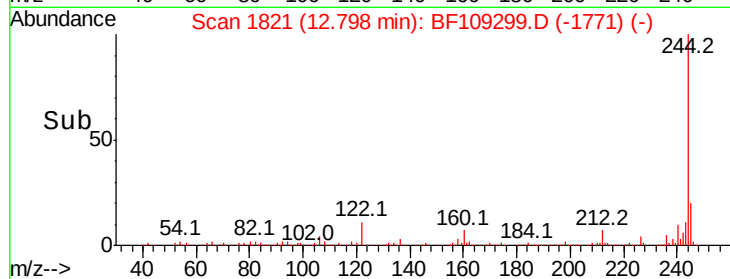
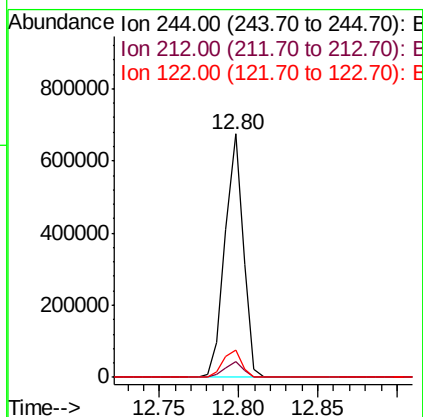
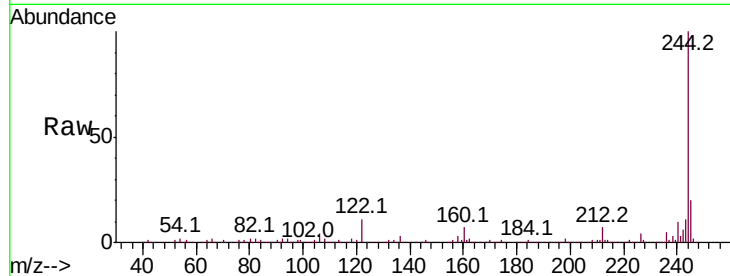




#78
 Terphenyl-d14
 Concen: 47.930 ng
 RT: 12.80 min Scan# 1821
 Delta R.T. -0.01 min
 Lab File: BF109299.D
 Acq: 25 Sep 2018 21:15

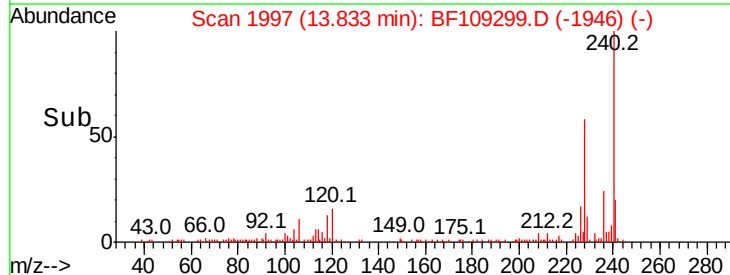
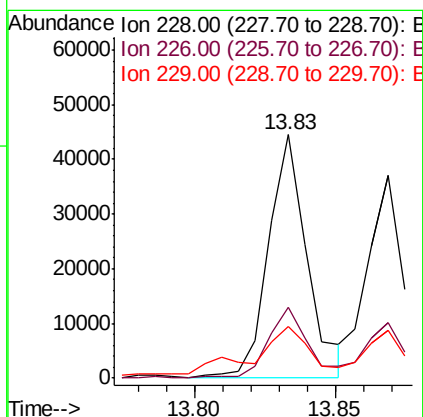
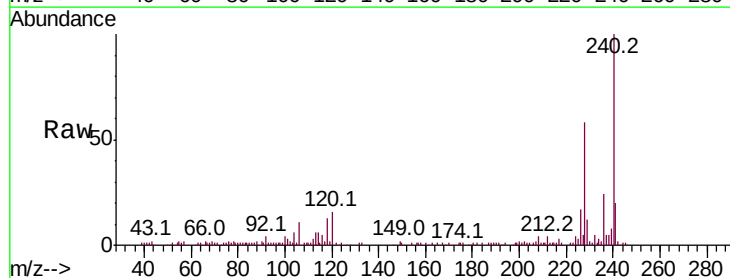
Instrument :
 BNA_F
 ClientSampleId :

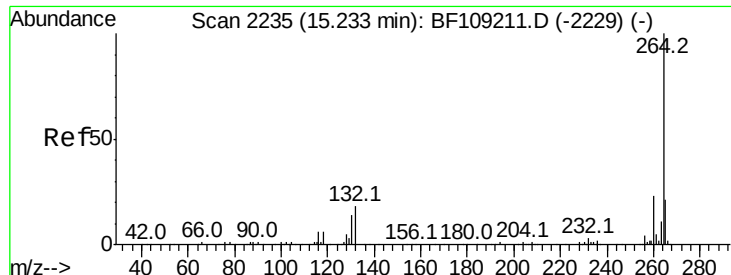
Tot Ion:244 Resp: 541259
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.4 8.0
 122 11.1 11.0 16.4



#80
 Benzo(a)anthracene
 Concen: 2.544 ng
 RT: 13.83 min Scan# 1997
 Delta R.T. 0.00 min
 Lab File: BF109299.D
 Acq: 25 Sep 2018 21:15

Tgt Ion:228 Resp: 42474
 Ion Ratio Lower Upper
 228 100
 226 28.9 22.6 33.8
 229 21.1 15.8 23.6

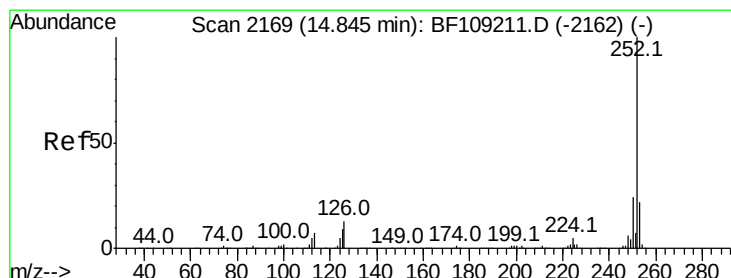
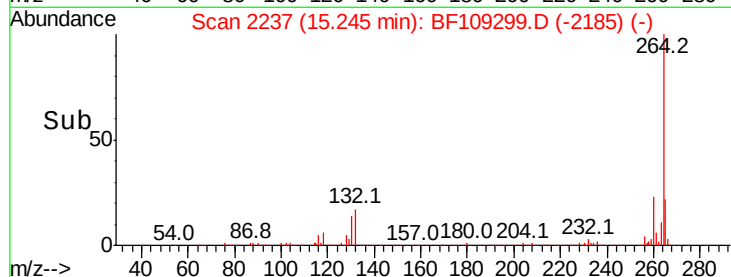
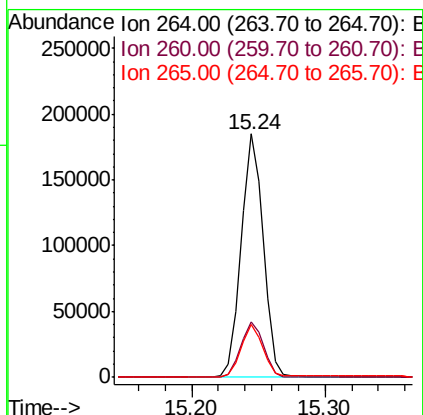
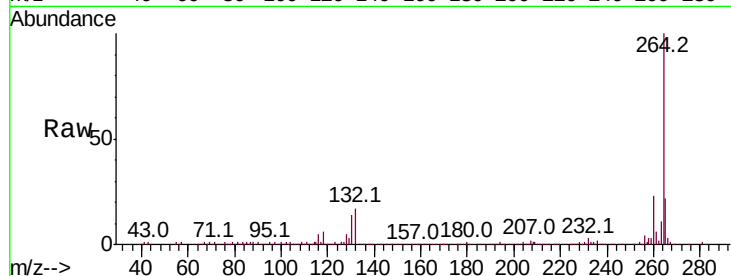




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.24 min Scan# 2237
Delta R.T. 0.01 min
Lab File: BF109299.D
Acq: 25 Sep 2018 21:15

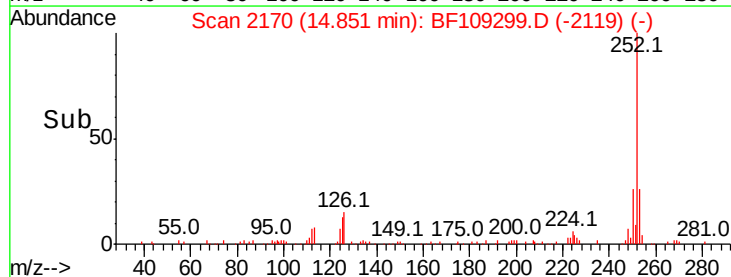
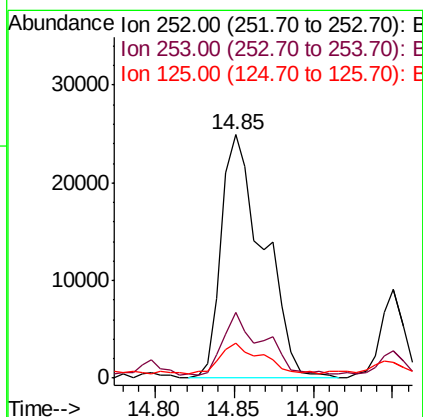
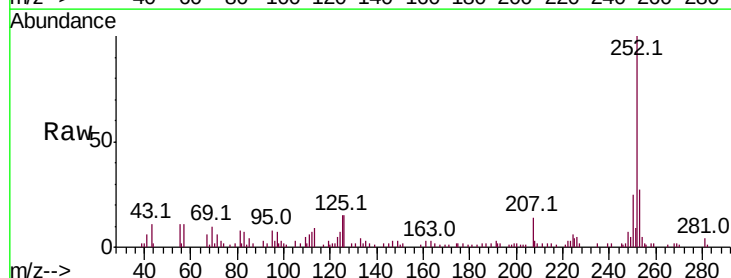
Instrument :
BNA_F
ClientSampleId :

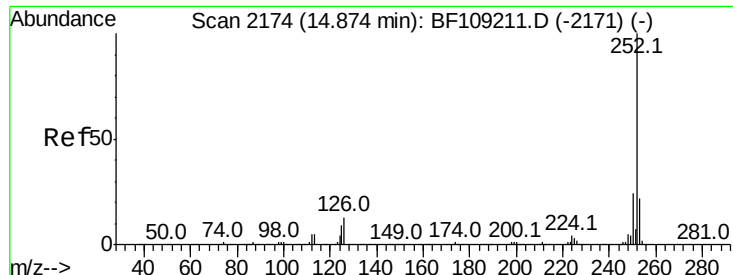
Tot Ion	Ratio	Lower	Upper
264	100		
260	22.8	19.2	28.8
265	21.8	17.5	26.3



#87
Benzo(b)fluoranthene
Concen: 3.954 ng
RT: 14.85 min Scan# 2170
Delta R.T. 0.00 min
Lab File: BF109299.D
Acq: 25 Sep 2018 21:15

Tgt Ion	Ratio	Lower	Upper
252	100		
253	27.0	17.0	25.6#
125	14.5	9.0	13.6#

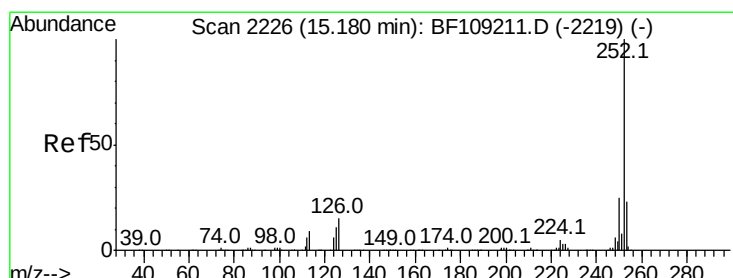
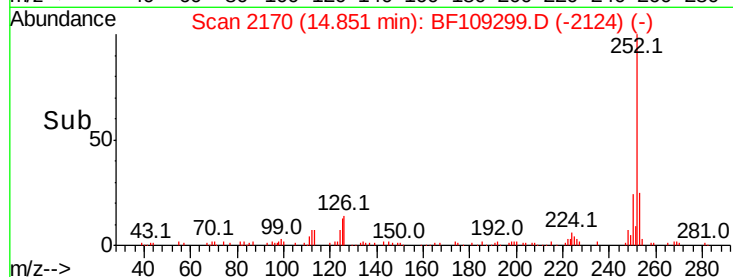
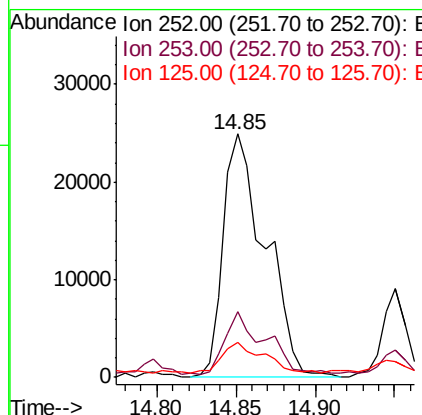
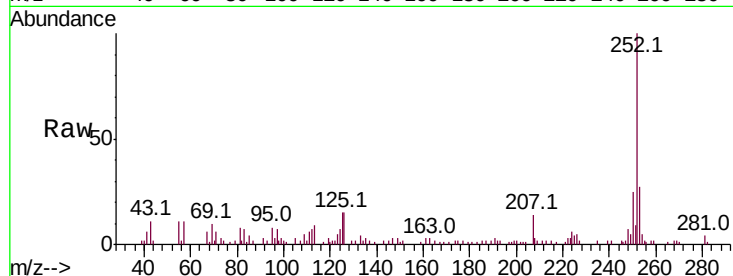




#88
Benzo(k)fluoranthene
Concen: 4.166 ng
RT: 14.85 min Scan# 2170
Delta R.T. -0.03 min
Lab File: BF109299.D
Acq: 25 Sep 2018 21:15

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	27.0	17.9	26.9#
125	14.5	10.2	15.2



#89
Benzo(a)pyrene
Concen: 2.585 ng
RT: 15.19 min Scan# 2227
Delta R.T. 0.00 min
Lab File: BF109299.D
Acq: 25 Sep 2018 21:15

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.3	17.1	25.7
125	14.1	9.8	14.6

