

Data Path : Z:\HPCHEM1\BNA F\DATA\BF021618\
 Data File : BF103059.D
 Acq On : 16 Feb 2018 18:20
 Operator : SJ/JU
 Sample : J1584-01
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Feb 16 23:17:03 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF020318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 16 14:34:49 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	168711	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	682562	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	264859	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	403127	20.00	ng	0.00
75) Chrysene-d12	14.04	240	297539	20.00	ng	-0.01
86) Perylene-d12	15.54	264	245577	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	1026734	92.42	ng	0.00
7) Phenol-d6	6.51	99	1186453	88.70	ng	0.00
23) Nitrobenzene-d5	7.44	82	719890	73.16	ng	0.00
41) 2,4,6-Tribromophenol	10.70	330	185165	86.86	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	1010811	63.33	ng	0.00
78) Terphenyl-d14	12.99	244	744966	59.28	ng	0.00

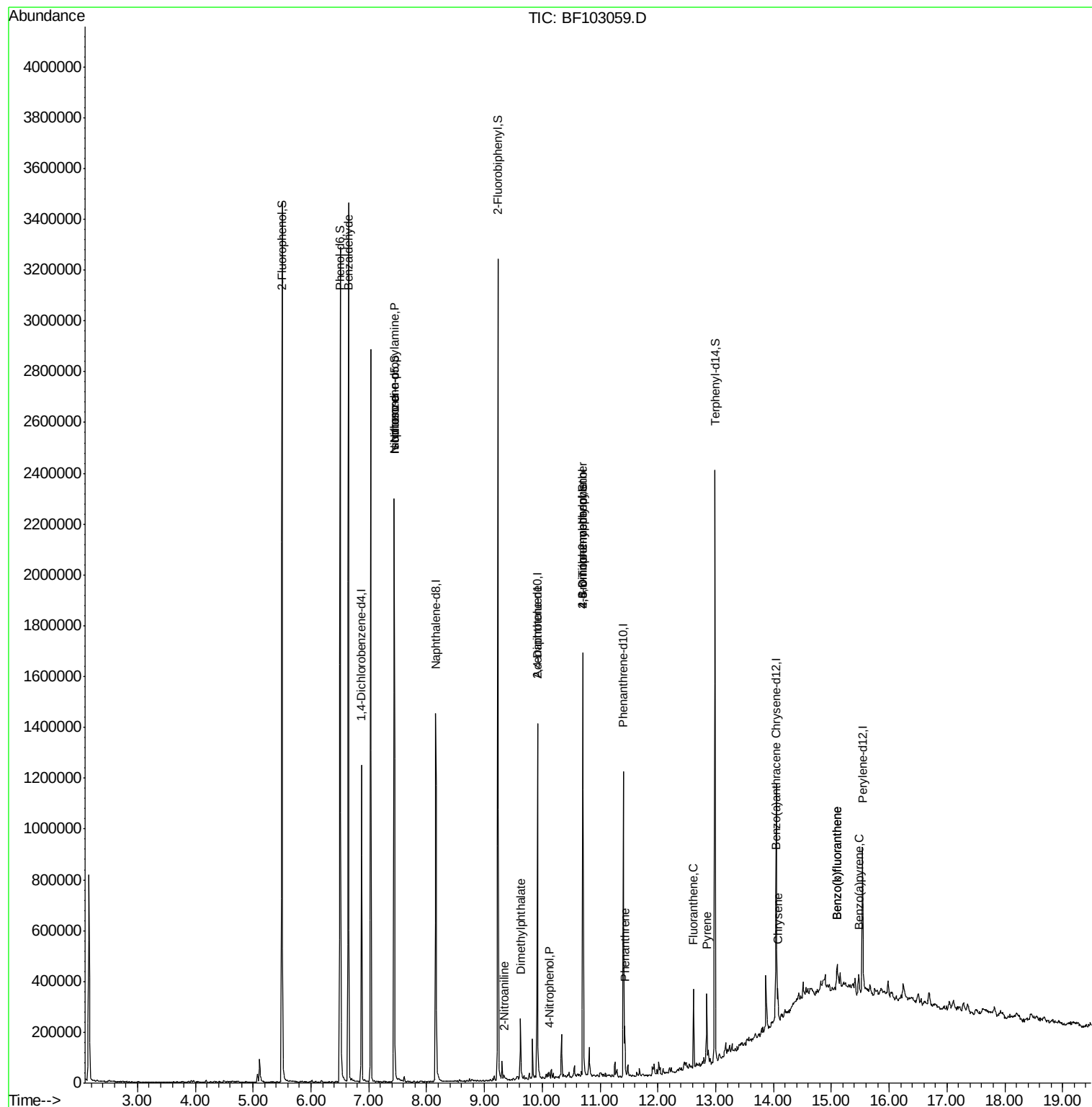
Target Compounds						Qvalue
9) Benzaldehyde	6.65	77	20547	2.07	ng	83
19) n-Nitroso-di-n-propylamine	7.44	70	95100	10.78	ng	# 82
25) Isophorone	7.44	82	719885	31.77	ng	# 64
47) 2-Nitroaniline	9.33	65	132	3.49	ng	# 2
49) Dimethylphthalate	9.62	163	89310	4.32	ng	98
55) 4-Nitrophenol	10.12	139	1450	4.37	ng	# 29
56) 2,4-Dinitrotoluene	9.92	165	34442	9.19	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.70	198	405	9.02	ng	# 1
66) 4-Bromophenyl-phenylether	10.70	248	11649	2.73	ng	# 1
70) Phenanthrene	11.43	178	63061	2.81	ng	98
74) Fluoranthene	12.62	202	111166	4.92	ng	97
77) Pylene	12.84	202	101110	4.33	ng	98
80) Benzo(a)anthracene	14.03	228	48503	2.59	ng	95
82) Chrysene	14.07	228	48221	2.56	ng	96
87) Benzo(b)fluoranthene	15.10	252	62785	3.94	ng	# 83
88) Benzo(k)fluoranthene	15.10	252	62785	4.13	ng	# 86
89) Benzo(a)pyrene	15.47	252	32414	2.26	ng	# 85

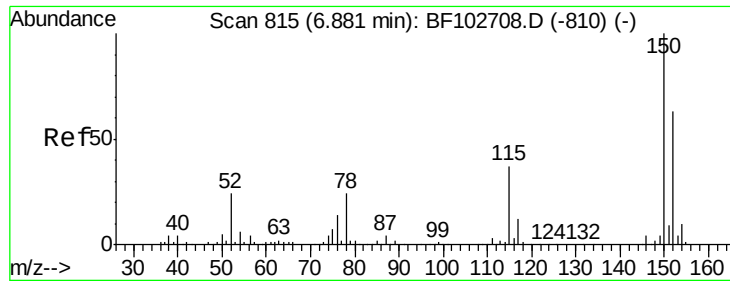
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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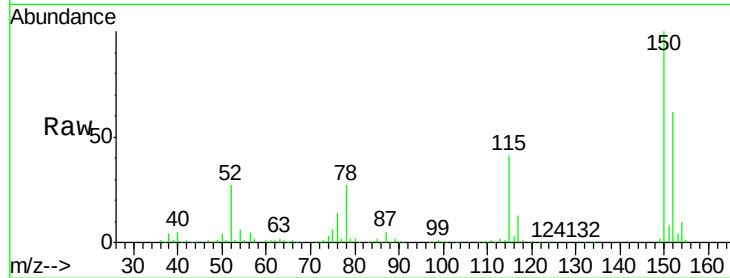


#1

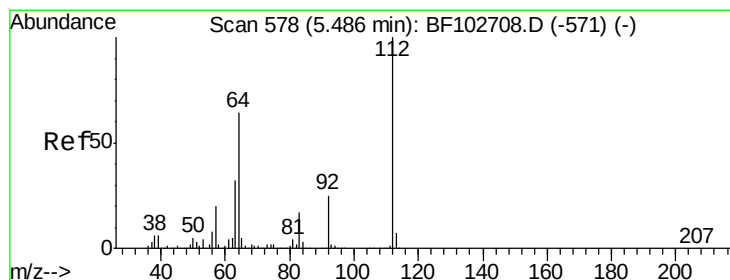
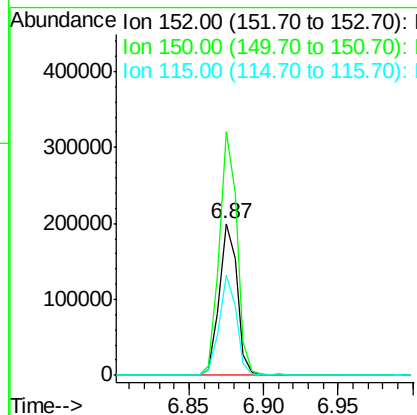
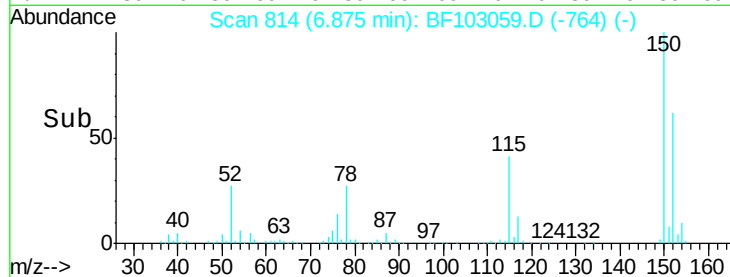
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.87 min Scan# 814
Delta R.T. -0.01 min
Lab File: BF103059.D
Acq: 16 Feb 2018 18:20

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	160.6	124.6	186.8
115	66.3	50.1	75.1



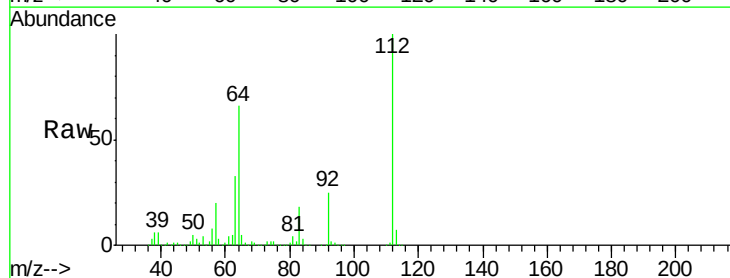
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



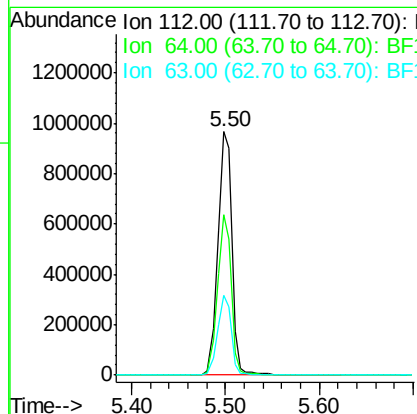
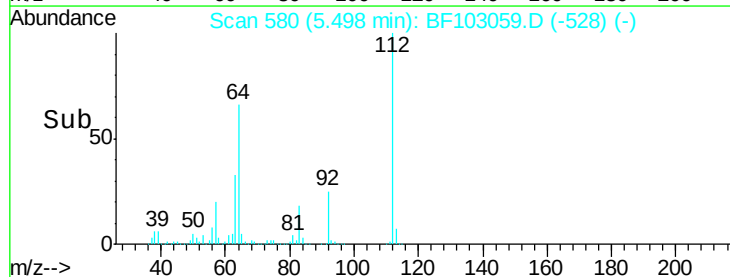
#5

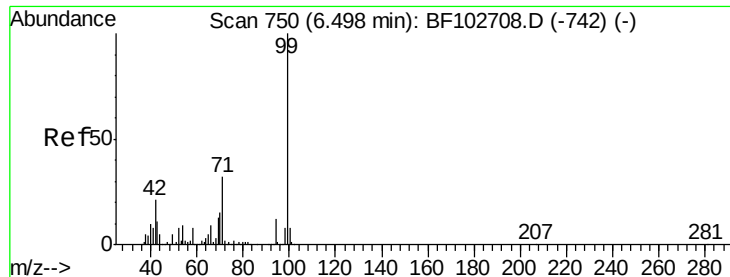
2-Fluorophenol
Concen: 92.42 ng
RT: 5.50 min Scan# 580
Delta R.T. 0.01 min
Lab File: BF103059.D
Acq: 16 Feb 2018 18:20

Tgt Ion	Ratio	Lower	Upper
112	100		
64	65.9	47.9	71.9
63	32.9	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: 88.70 ng

RT: 6.51 min Scan# 752

Delta R.T. -0.00 min

Lab File: BF103059.D

Acq: 16 Feb 2018 18:20

Instrument :

BNA_F

ClientSampleId :

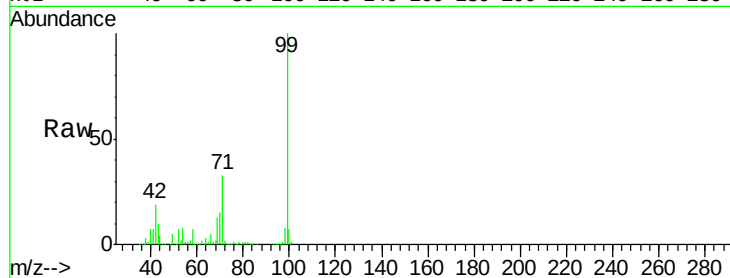
Tot Ion: 99 Resp: 1186453

Ion Ratio Lower Upper

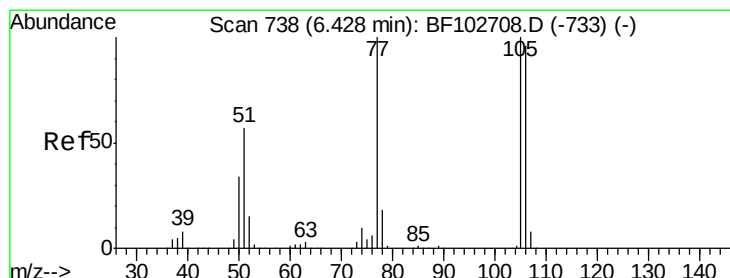
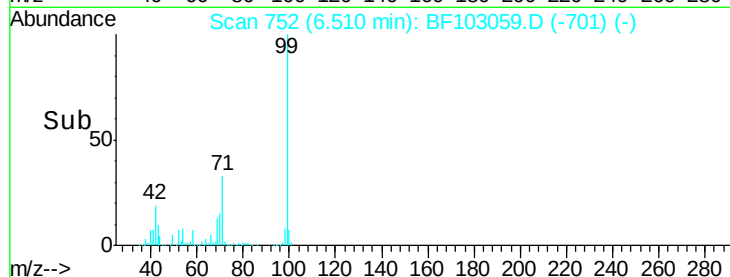
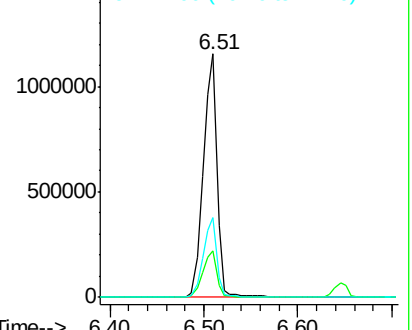
99 100

42 19.2 14.5 21.7

71 32.7 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: 2.07 ng

RT: 6.65 min Scan# 775

Delta R.T. 0.21 min

Lab File: BF103059.D

Acq: 16 Feb 2018 18:20

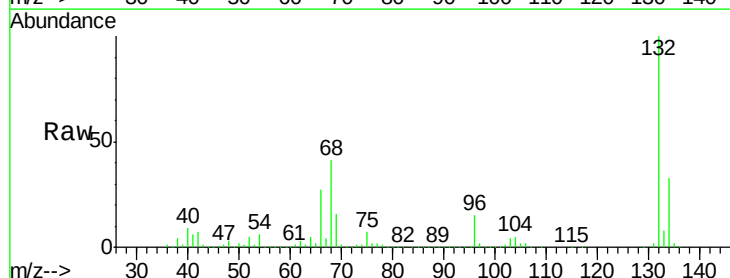
Tgt Ion: 77 Resp: 20547

Ion Ratio Lower Upper

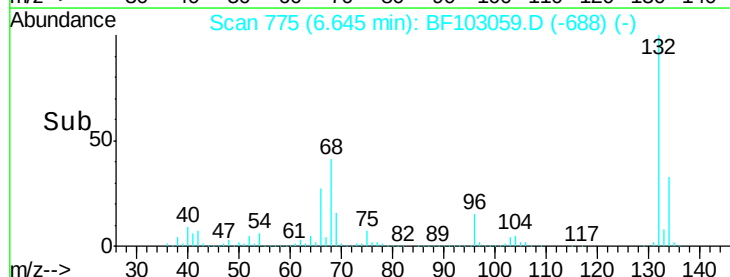
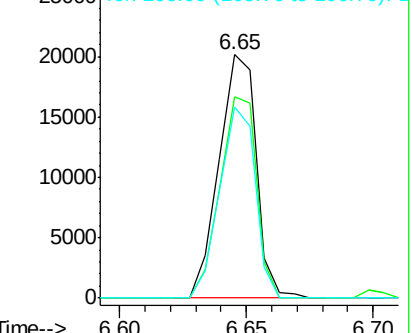
77 100

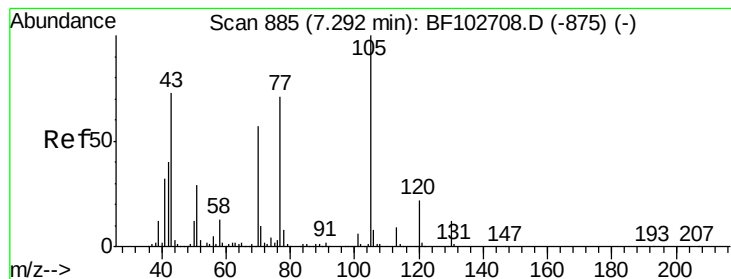
105 82.9 81.1 121.1

106 78.3 74.5 114.5



Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 105.00 (104.70 to 105.70): BF1
Ion 106.00 (105.70 to 106.70): BF1





#19

n-Nitroso-di-n-propylamine

Concen: 10.78 ng

RT: 7.44 min Scan# 910

Delta R.T. 0.15 min

Lab File: BF103059.D

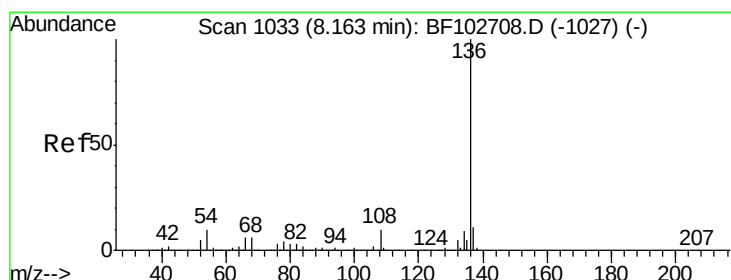
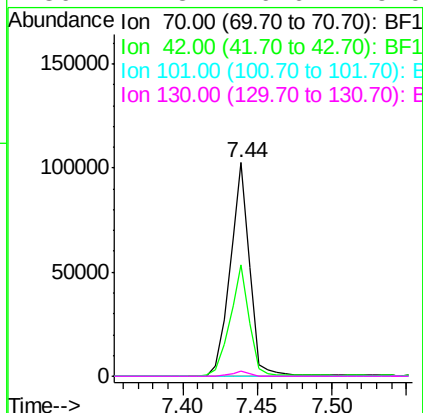
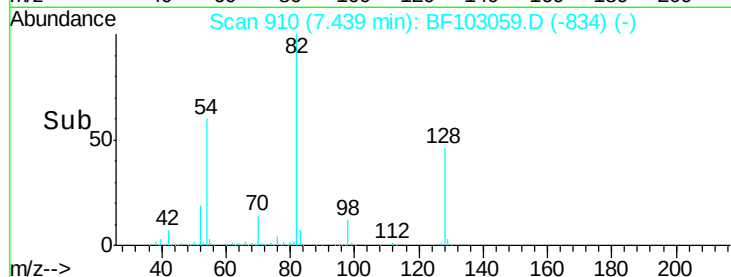
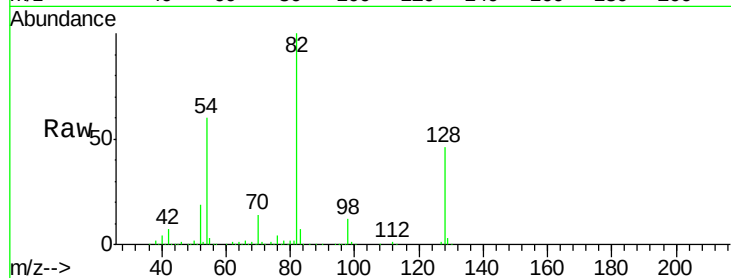
Acq: 16 Feb 2018 18:20

Instrument :

BNA_F

ClientSampleId :

Tot Ion:	70	Resp:	95100
Ion	Ratio	Lower	Upper
70	100		
42	52.1	47.5	71.3
101	0.0	7.4	11.2#
130	2.3	16.6	25.0#



#21

Naphthalene-d8

Concen: 20.00 ng

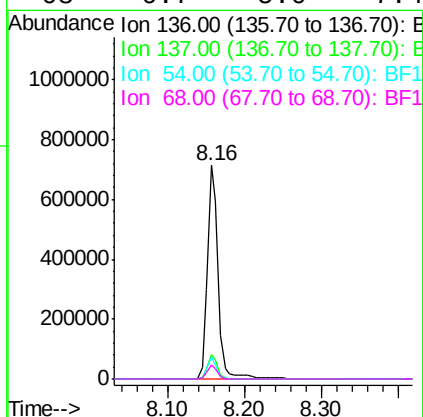
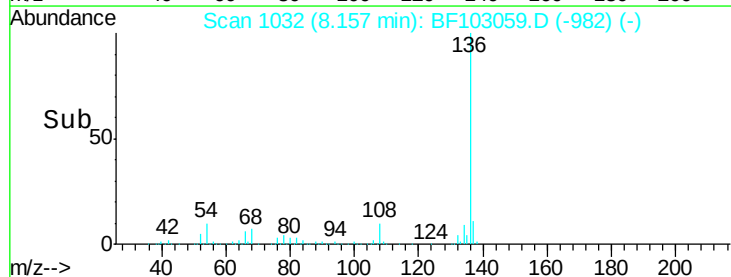
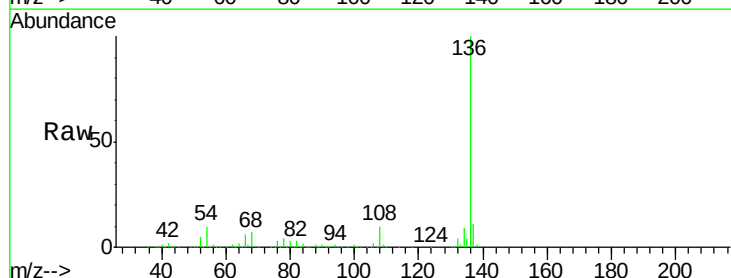
RT: 8.16 min Scan# 1032

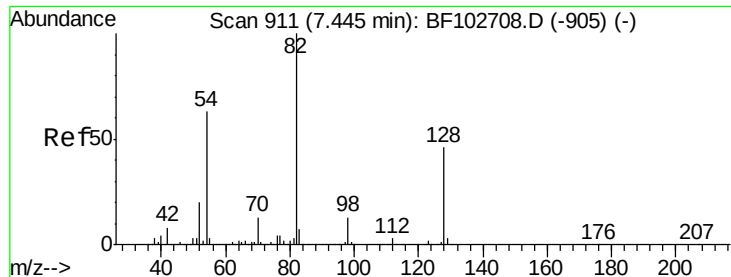
Delta R.T. -0.01 min

Lab File: BF103059.D

Acq: 16 Feb 2018 18:20

Tgt Ion:	136	Resp:	682562
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.9	13.3
54	10.2	6.6	9.8#
68	6.7	5.0	7.4





#23

Nitrobenzene-d5

Concen: 73.16 ng

RT: 7.44 min Scan# 910

Delta R.T. -0.01 min

Lab File: BF103059.D

Acq: 16 Feb 2018 18:20

Instrument :

BNA_F

ClientSampleId :

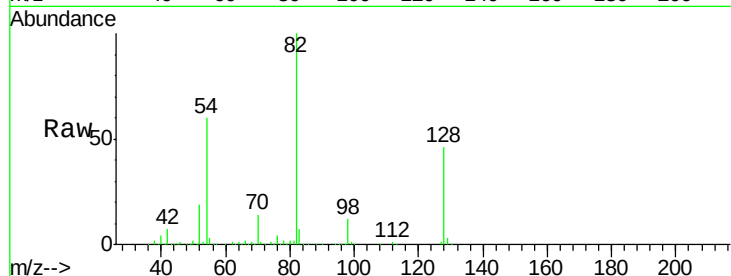
Tot Ion: 82 Resp: 719890

Ion Ratio Lower Upper

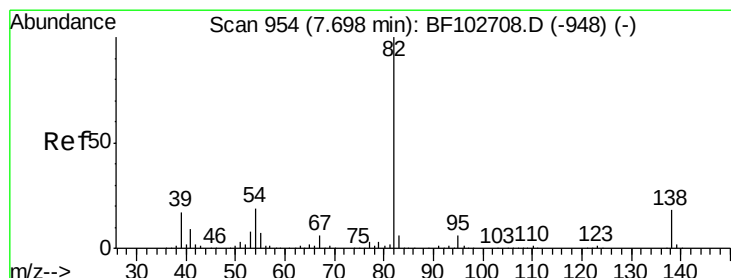
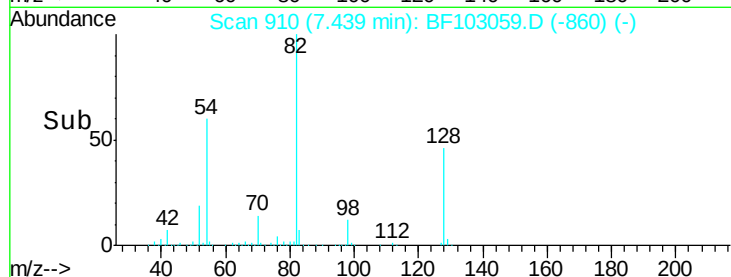
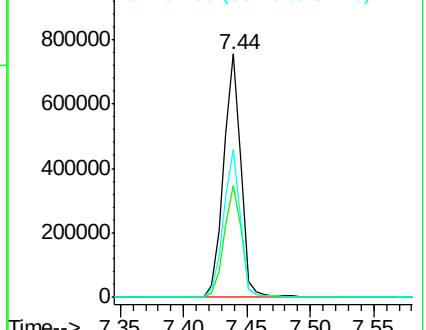
82 100

128 46.0 36.1 54.1

54 60.5 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: 31.77 ng

RT: 7.44 min Scan# 910

Delta R.T. -0.26 min

Lab File: BF103059.D

Acq: 16 Feb 2018 18:20

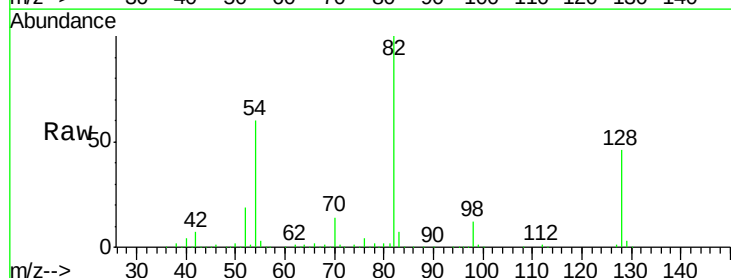
Tgt Ion: 82 Resp: 719885

Ion Ratio Lower Upper

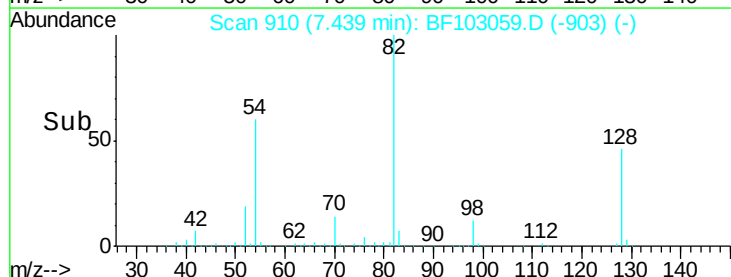
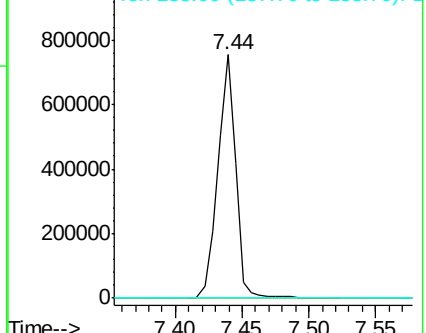
82 100

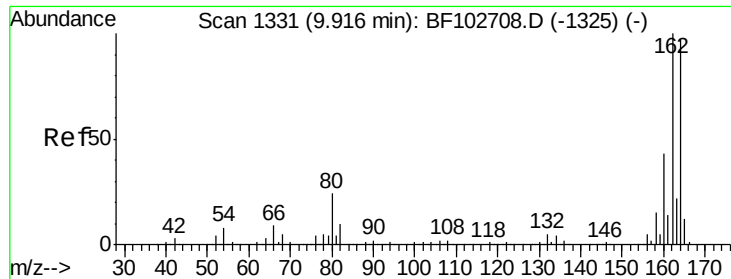
95 0.0 5.2 7.8#

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

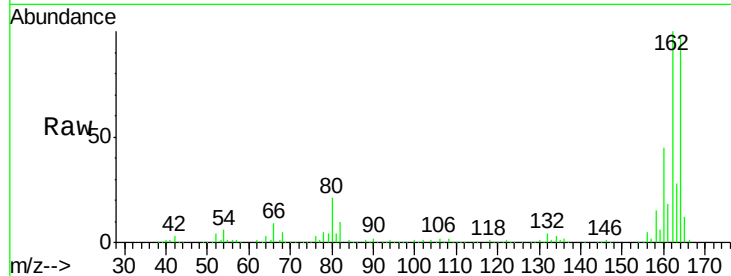




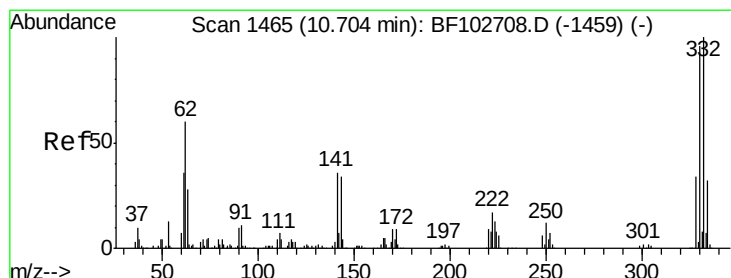
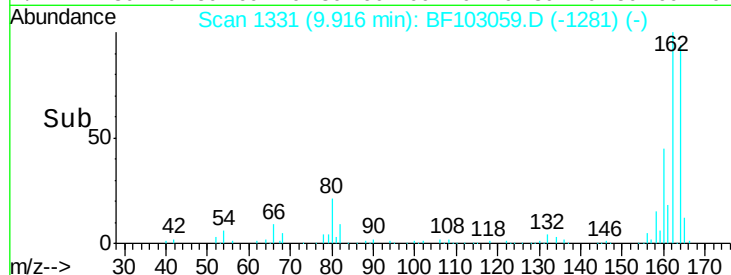
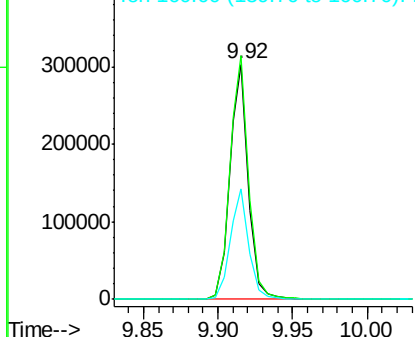
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.92 min Scan# 1331
 Delta R.T. -0.01 min
 Lab File: BF103059.D
 Acq: 16 Feb 2018 18:20

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:164 Resp: 264859
 Ion Ratio Lower Upper
 164 100
 162 103.5 86.1 129.1
 160 46.9 38.3 57.5

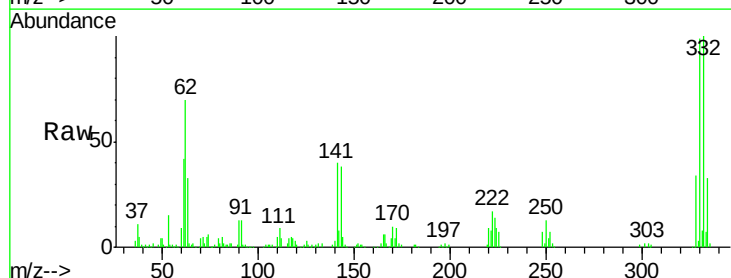


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

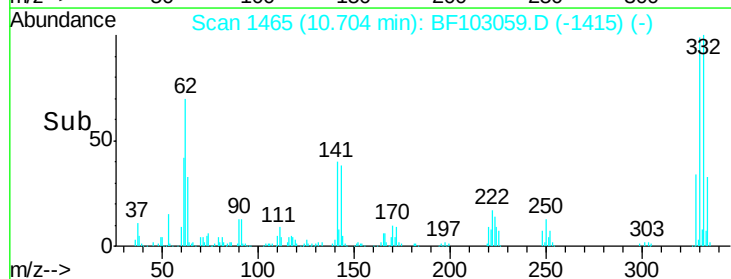
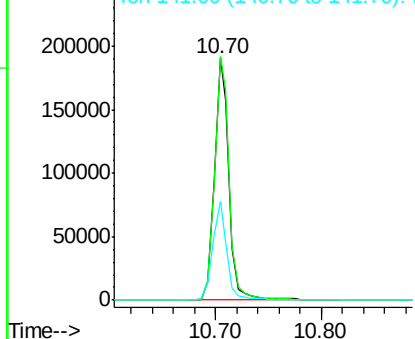


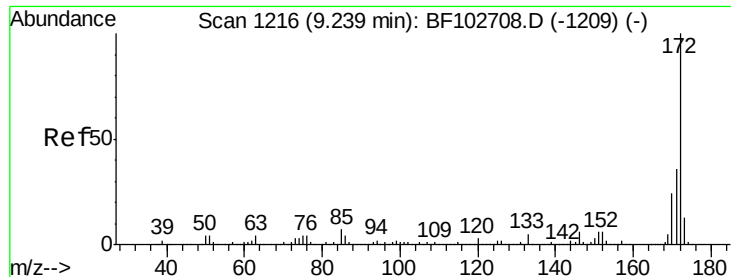
#41
 2,4,6-Tribromophenol
 Concen: 86.86 ng
 RT: 10.70 min Scan# 1465
 Delta R.T. -0.01 min
 Lab File: BF103059.D
 Acq: 16 Feb 2018 18:20

Tgt Ion:330 Resp: 185165
 Ion Ratio Lower Upper
 330 100
 332 102.4 77.0 115.6
 141 40.1 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

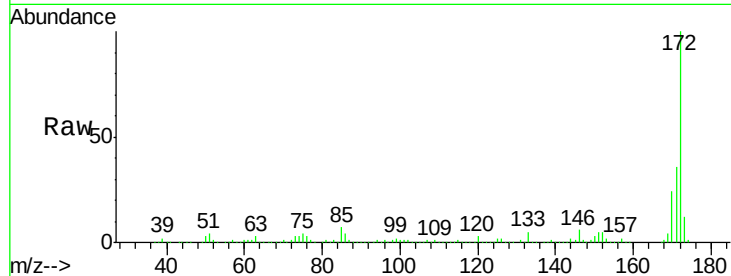




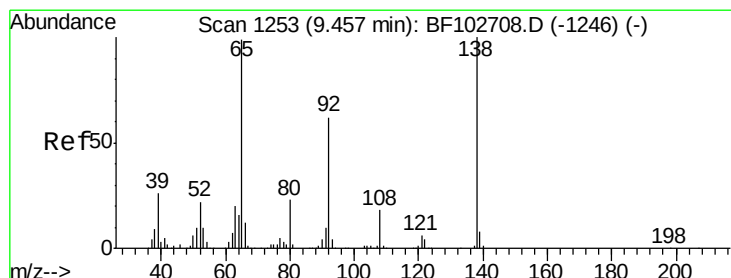
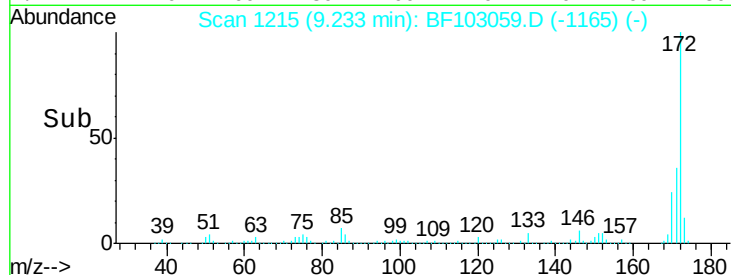
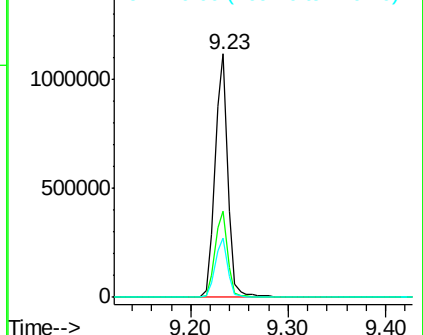
#44
 2-Fluorobiphenyl
 Concen: 63.33 ng
 RT: 9.23 min Scan# 1215
 Delta R.T. -0.01 min
 Lab File: BF103059.D
 Acq: 16 Feb 2018 18:20

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:172 Resp: 1010811
 Ion Ratio Lower Upper
 172 100
 171 35.6 29.7 44.5
 170 24.1 19.6 29.4

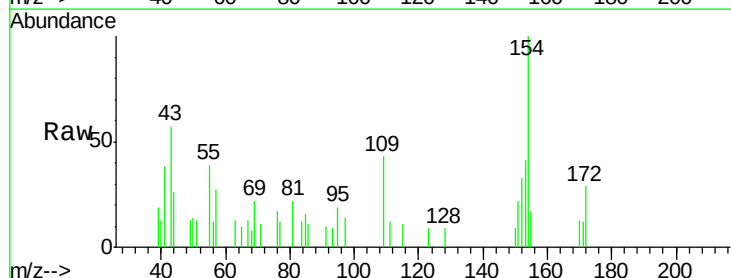


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

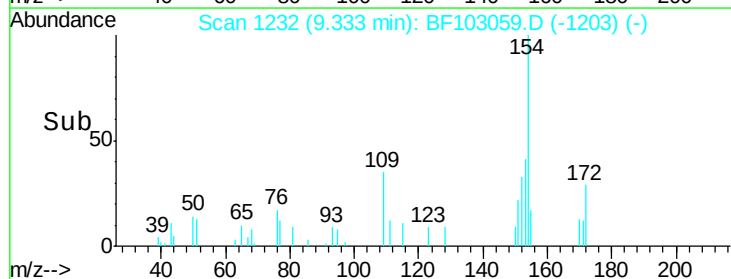
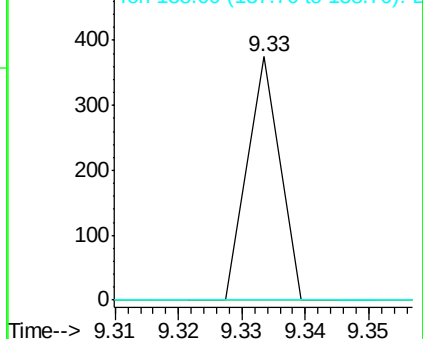


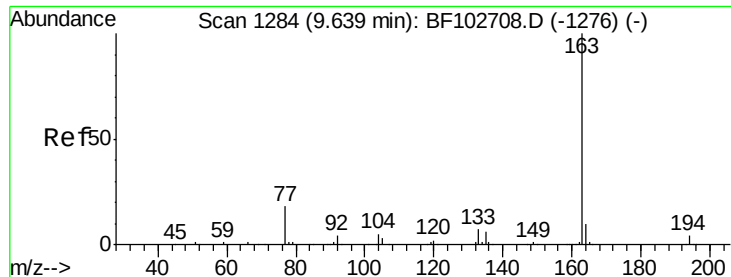
#47
 2-Nitroaniline
 Concen: 3.49 ng
 RT: 9.33 min Scan# 1232
 Delta R.T. -0.13 min
 Lab File: BF103059.D
 Acq: 16 Feb 2018 18:20

Tgt Ion: 65 Resp: 132
 Ion Ratio Lower Upper
 65 100
 92 0.0 55.8 83.6#
 138 0.0 91.2 136.8#



Abundance Ion 65.00 (64.70 to 65.70): BF1
 Ion 92.00 (91.70 to 92.70): BF1
 Ion 138.00 (137.70 to 138.70): E

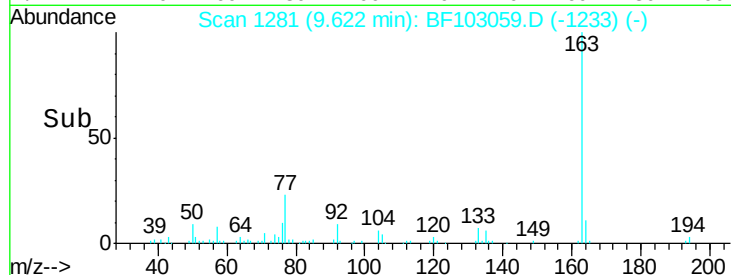
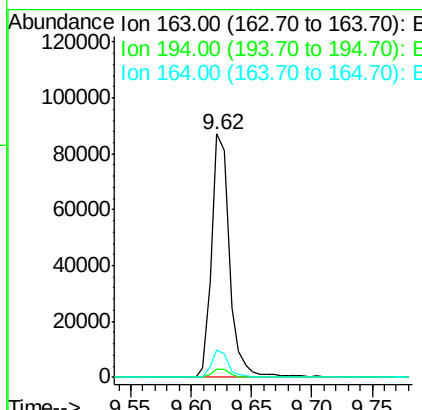
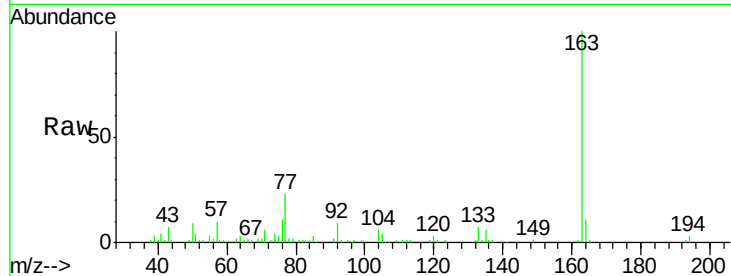




#49
Dimethylphthalate
Concen: 4.32 ng
RT: 9.62 min Scan# 1281
Delta R.T. -0.02 min
Lab File: BF103059.D
Acq: 16 Feb 2018 18:20

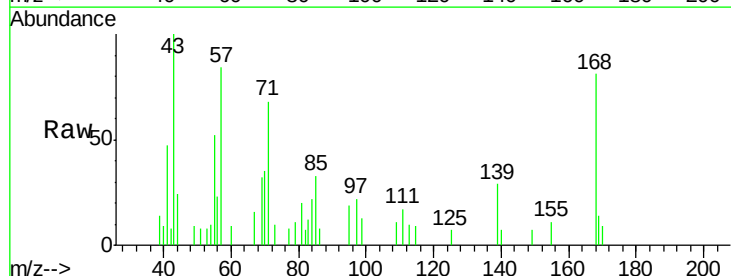
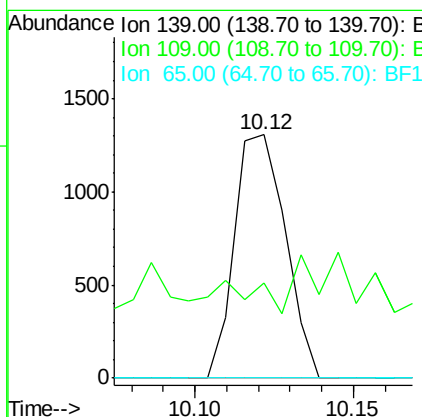
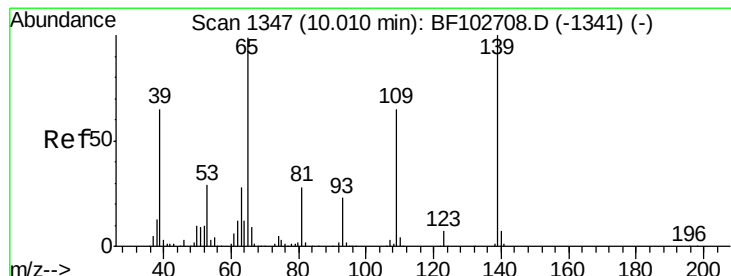
Instrument :
BNA_F
ClientSampled :

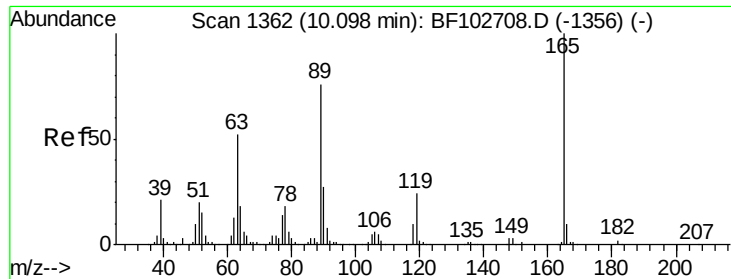
Tot Ion:163 Resp: 89310
Ion Ratio Lower Upper
163 100
194 3.4 2.7 4.1
164 11.2 8.2 12.2



#55
4-Nitrophenol
Concen: 4.37 ng
RT: 10.12 min Scan# 1366
Delta R.T. 0.09 min
Lab File: BF103059.D
Acq: 16 Feb 2018 18:20

Tgt Ion:139 Resp: 1450
Ion Ratio Lower Upper
139 100
109 38.9 48.4 88.4#
65 0.0 72.6 112.6#

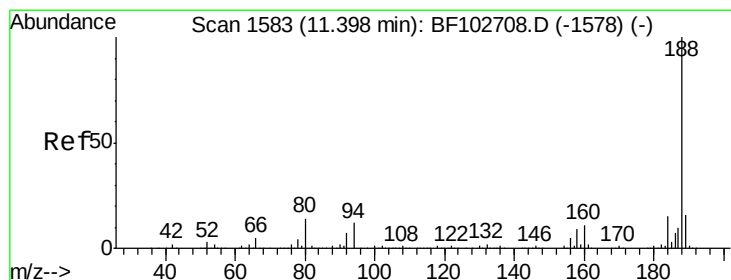
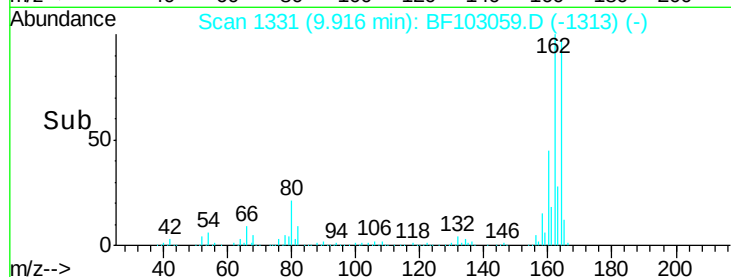
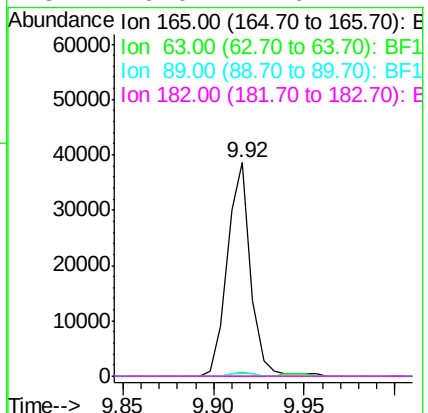
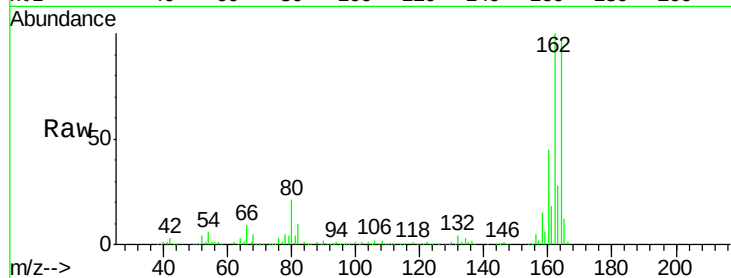




#56
 2,4-Dinitrotoluene
 Concen: 9.19 ng
 RT: 9.92 min Scan# 1331
 Delta R.T. -0.19 min
 Lab File: BF103059.D
 Acq: 16 Feb 2018 18:20

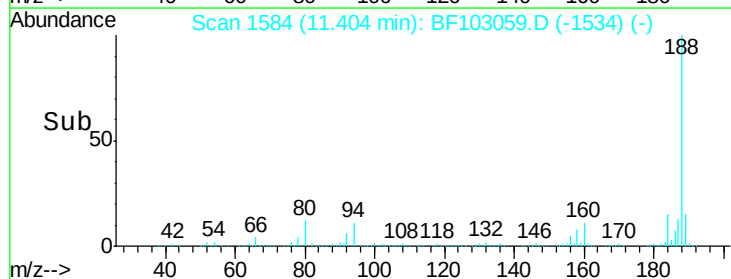
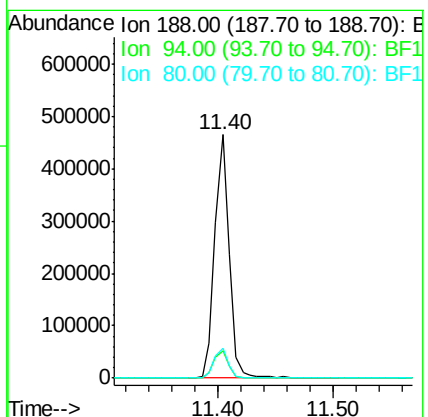
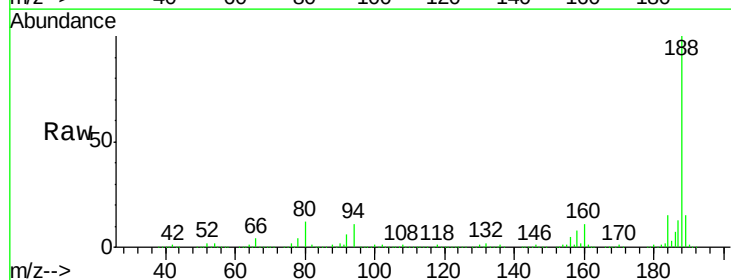
Instrument :
 BNA_F
 ClientSampleId :

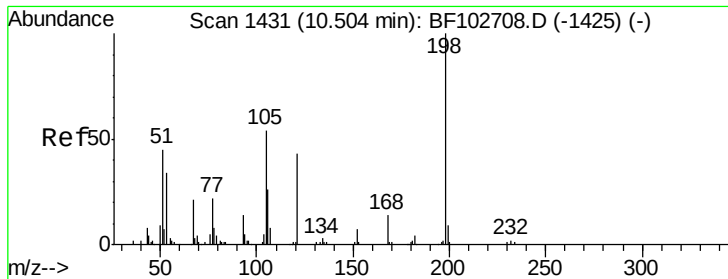
Tot Ion:165 Resp: 34442
 Ion Ratio Lower Upper
 165 100
 63 1.7 36.4 54.6#
 89 1.1 57.8 86.6#
 182 0.0 1.6 2.4#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.40 min Scan# 1584
 Delta R.T. -0.01 min
 Lab File: BF103059.D
 Acq: 16 Feb 2018 18:20

Tgt Ion:188 Resp: 403127
 Ion Ratio Lower Upper
 188 100
 94 11.4 8.5 12.7
 80 12.2 9.2 13.8

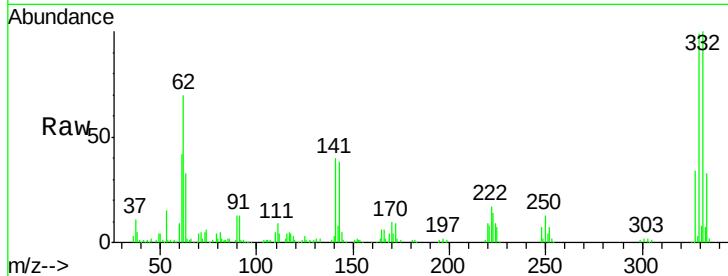




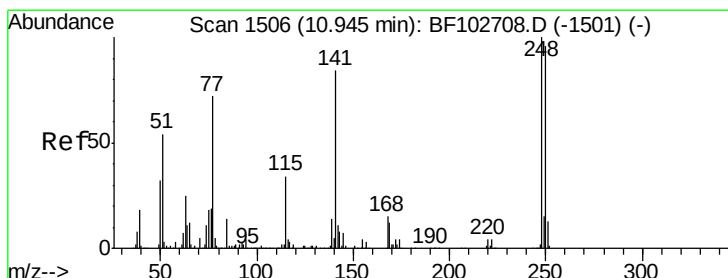
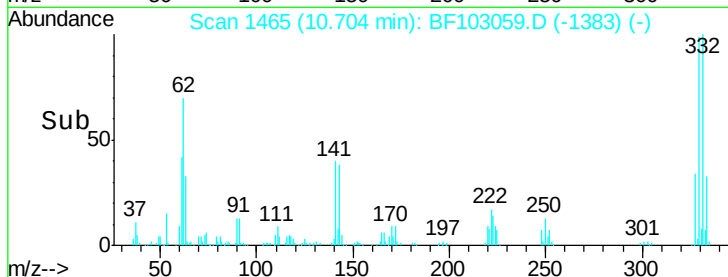
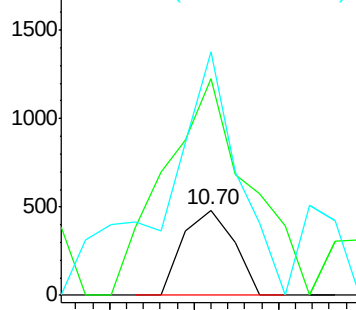
#64
 4,6-Dinitro-2-methylphenol
 Concen: 9.02 ng
 RT: 10.70 min Scan# 1465
 Delta R.T. 0.18 min
 Lab File: BF103059.D
 Acq: 16 Feb 2018 18:20

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:198 Resp: 405
 Ion Ratio Lower Upper
 198 100
 51 253.8 37.7 77.7#
 105 285.3 36.3 76.3#

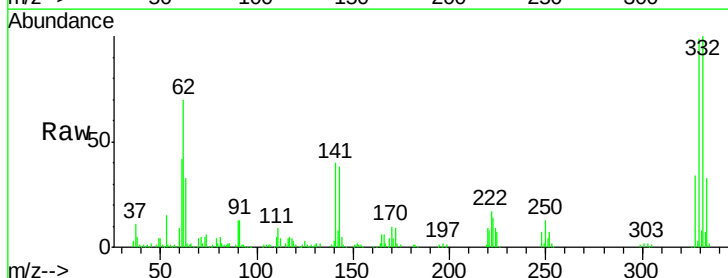


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

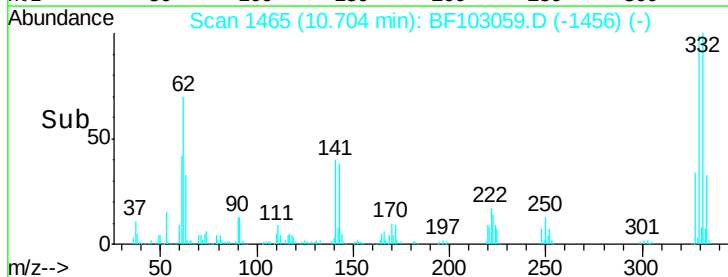
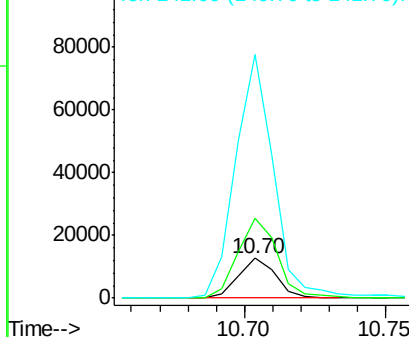


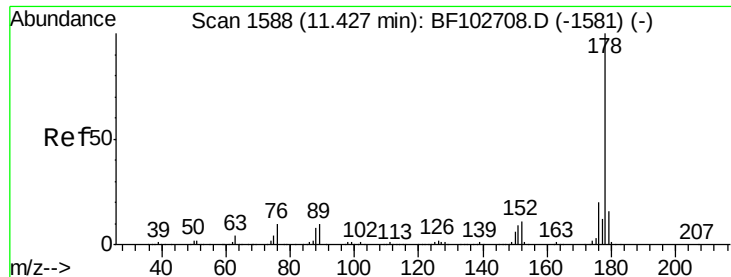
#66
 4-Bromophenyl-phenylether
 Concen: 2.73 ng
 RT: 10.70 min Scan# 1465
 Delta R.T. -0.25 min
 Lab File: BF103059.D
 Acq: 16 Feb 2018 18:20

Tgt Ion:248 Resp: 11649
 Ion Ratio Lower Upper
 248 100
 250 200.3 76.9 115.3#
 141 610.3 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: 2.81 ng

RT: 11.43 min Scan# 1588

Delta R.T. -0.01 min

Lab File: BF103059.D

Acq: 16 Feb 2018 18:20

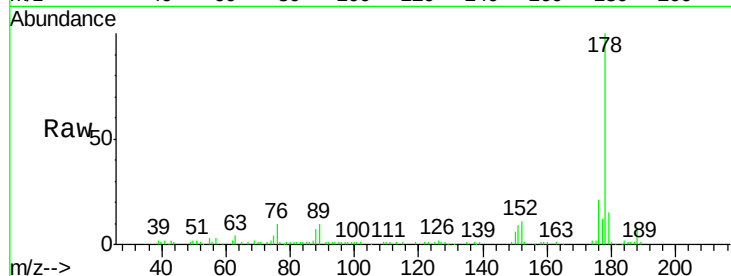
Instrument :

BNA_F

ClientSampleId :

Tot Ion:178 Resp: 63061

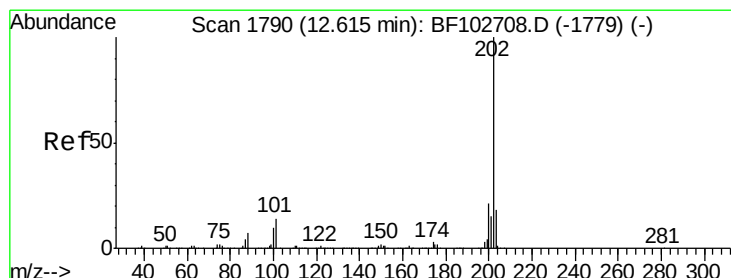
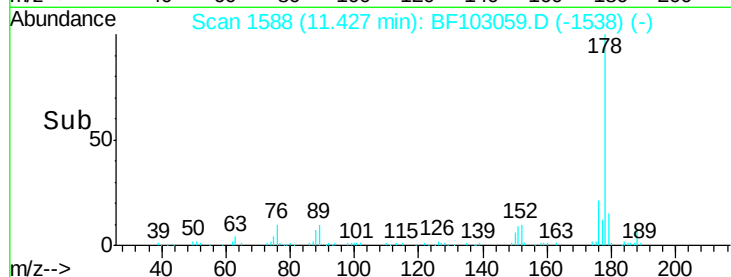
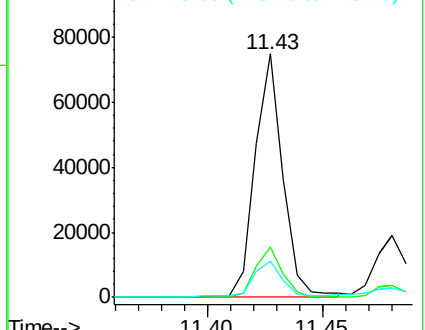
Ion	Ratio	Lower	Upper
178	100		
176	20.5	15.8	23.8
179	14.8	13.0	19.6



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: 4.92 ng

RT: 12.62 min Scan# 1790

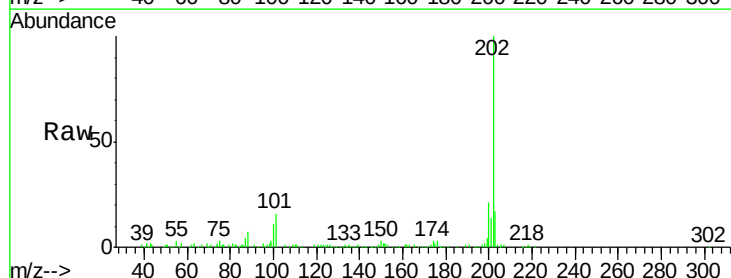
Delta R.T. -0.01 min

Lab File: BF103059.D

Acq: 16 Feb 2018 18:20

Tgt Ion:202 Resp: 111166

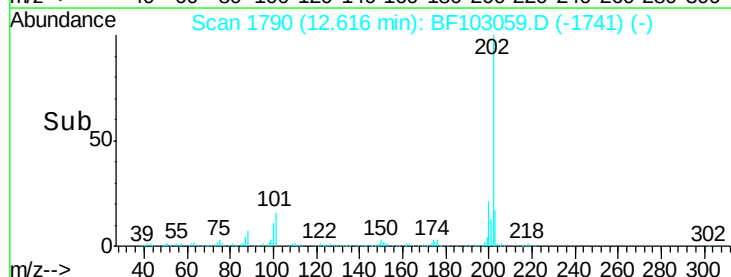
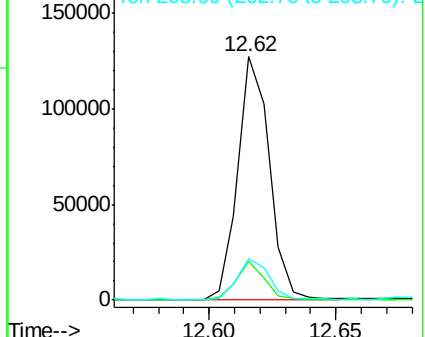
Ion	Ratio	Lower	Upper
202	100		
101	15.7	0.0	34.1
203	17.1	0.0	38.1

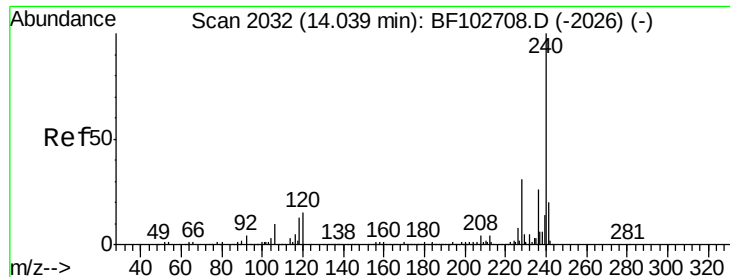


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

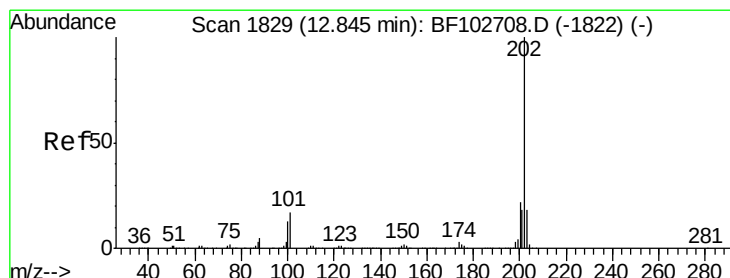
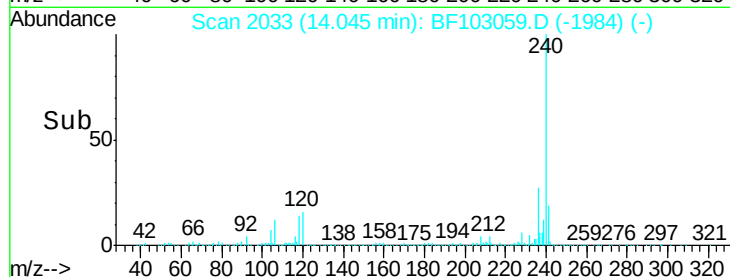
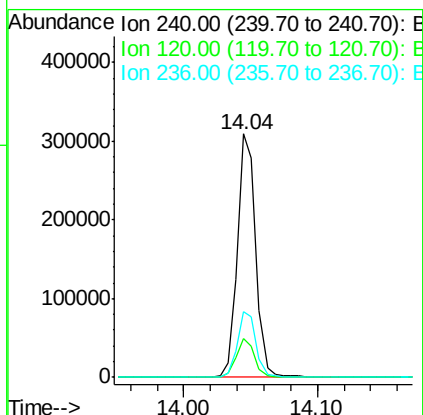
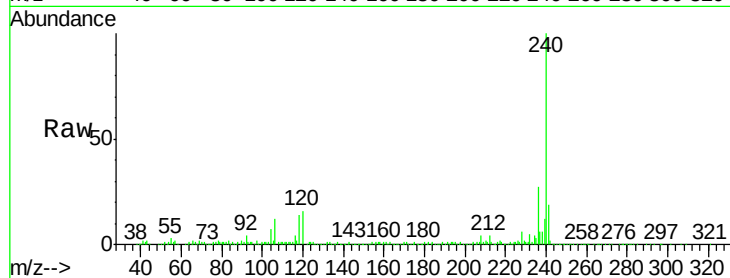




#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.04 min Scan# 2033
Delta R.T. -0.01 min
Lab File: BF103059.D
Acq: 16 Feb 2018 18:20

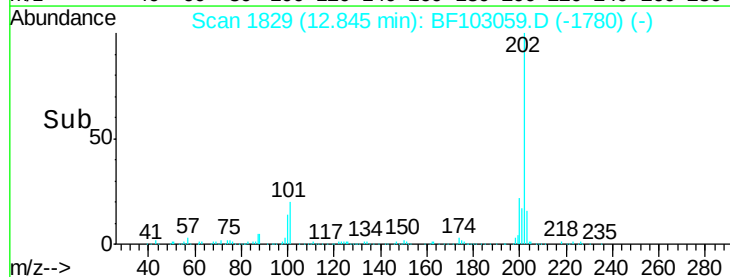
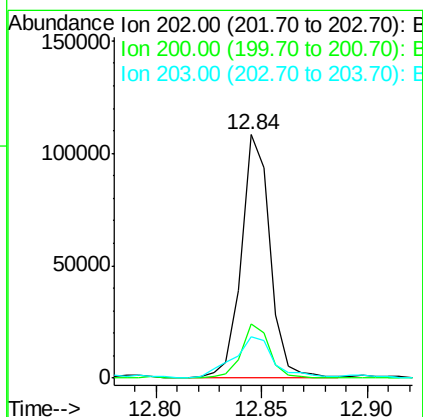
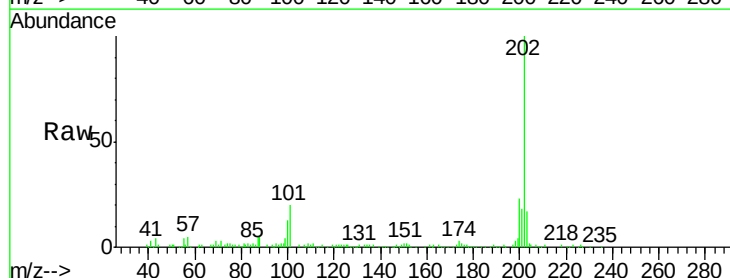
Instrument :
BNA_F
ClientSampleId :

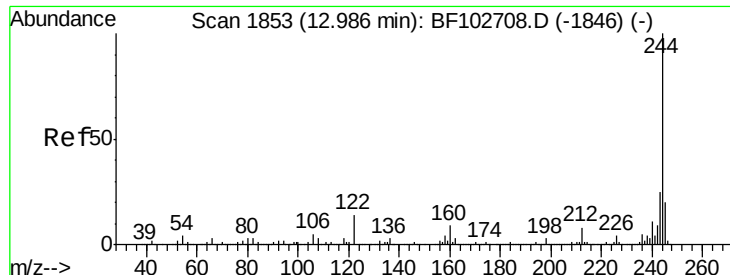
Tot Ion:240 Resp: 297539
Ion Ratio Lower Upper
240 100
120 15.8 9.5 14.3#
236 27.0 20.7 31.1



#77
Pyrene
Concen: 4.33 ng
RT: 12.84 min Scan# 1829
Delta R.T. -0.01 min
Lab File: BF103059.D
Acq: 16 Feb 2018 18:20

Tgt Ion:202 Resp: 101110
Ion Ratio Lower Upper
202 100
200 22.5 17.4 26.2
203 17.0 14.3 21.5





#78

Terphenyl-d14

Concen: 59.28 ng

RT: 12.99 min Scan# 1853

Delta R.T. -0.01 min

Lab File: BF103059.D

Acq: 16 Feb 2018 18:20

Instrument :

BNA_F

ClientSampled :

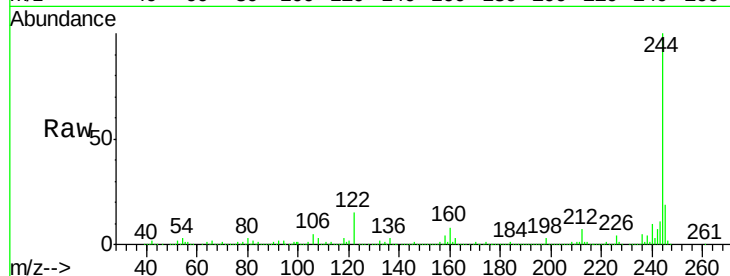
Tot Ion:244 Resp: 744966

Ion Ratio Lower Upper

244 100

212 7.2 5.4 8.0

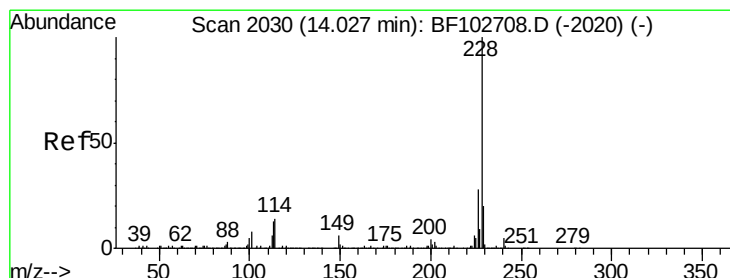
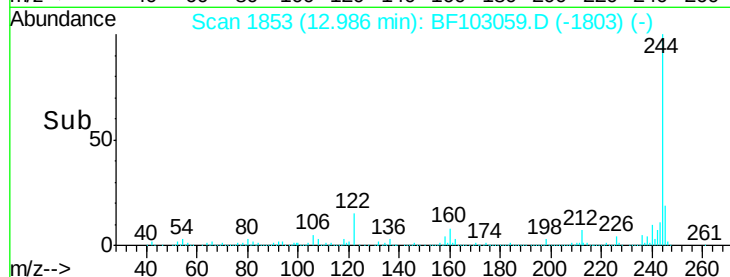
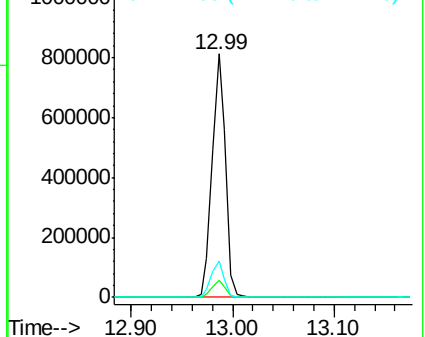
122 14.7 11.0 16.4



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: 2.59 ng

RT: 14.03 min Scan# 2031

Delta R.T. -0.01 min

Lab File: BF103059.D

Acq: 16 Feb 2018 18:20

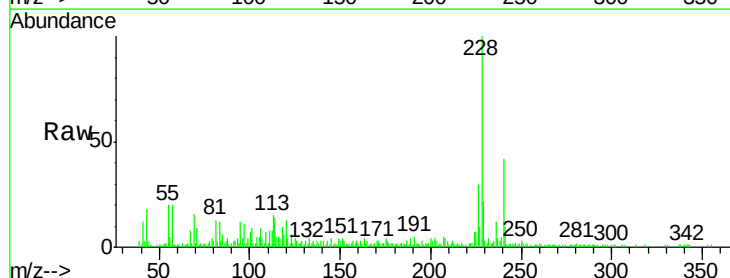
Tgt Ion:228 Resp: 48503

Ion Ratio Lower Upper

228 100

226 30.5 22.6 33.8

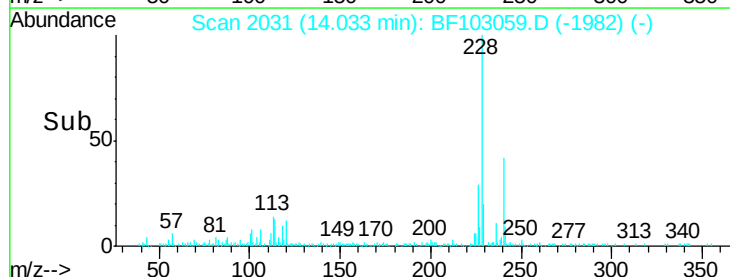
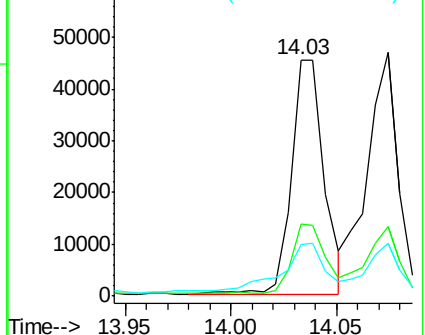
229 21.9 15.8 23.6

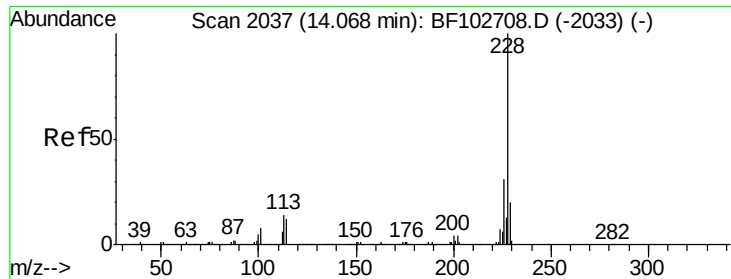


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

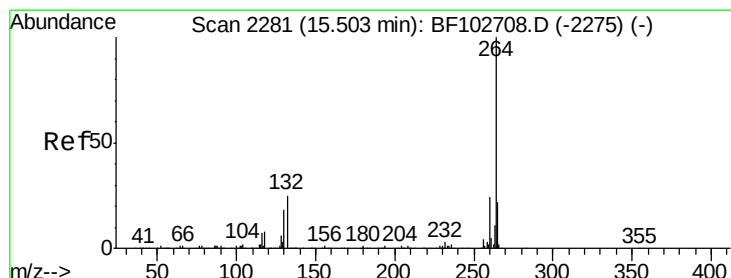
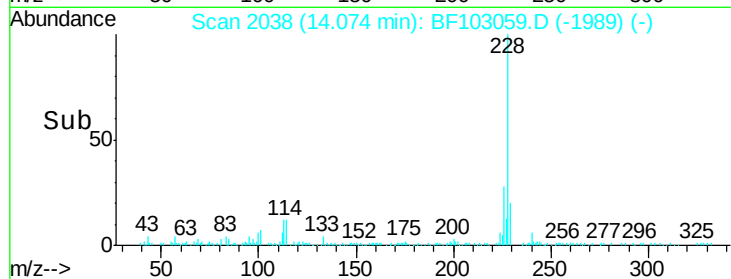
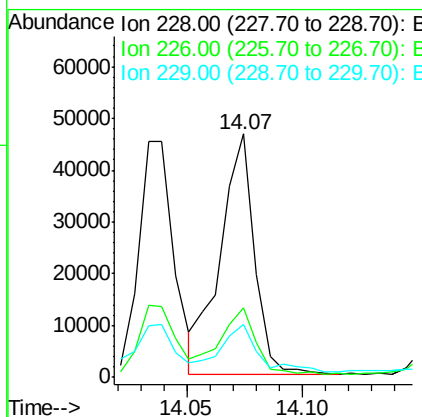
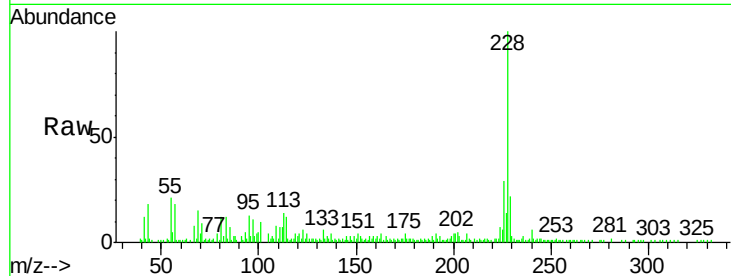




#82
Chrysene
Concen: 2.56 ng
RT: 14.07 min Scan# 2038
Delta R.T. -0.01 min
Lab File: BF103059.D
Acq: 16 Feb 2018 18:20

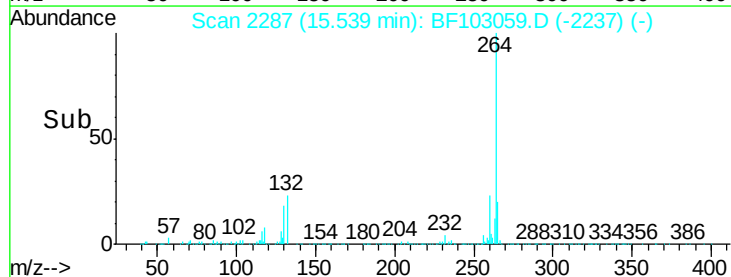
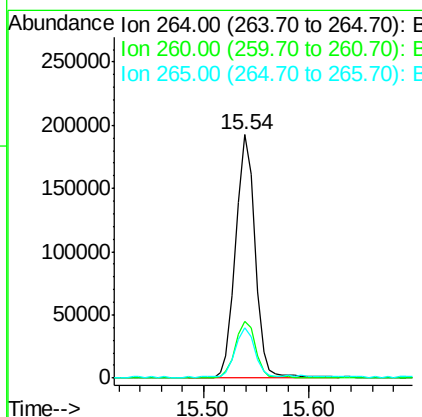
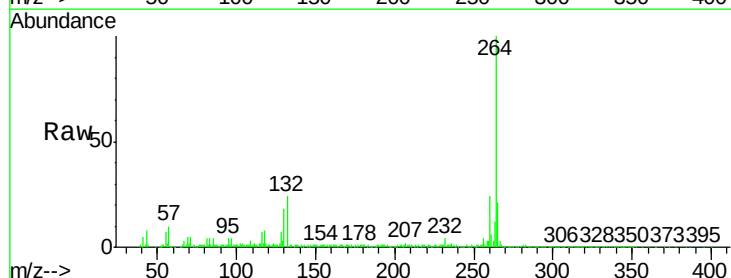
Instrument :
BNA_F
ClientSampleId :

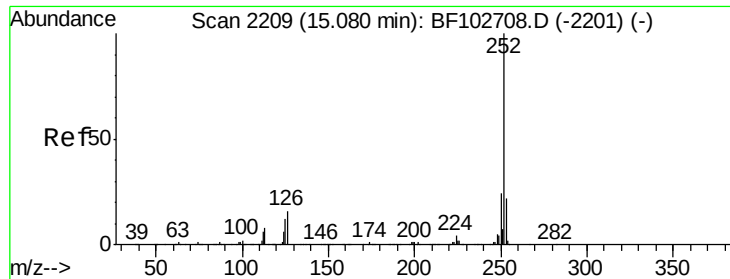
Tot Ion:228 Resp: 48221
Ion Ratio Lower Upper
228 100
226 28.8 25.0 37.6
229 21.9 16.2 24.4



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.54 min Scan# 2287
Delta R.T. -0.01 min
Lab File: BF103059.D
Acq: 16 Feb 2018 18:20

Tgt Ion:264 Resp: 245577
Ion Ratio Lower Upper
264 100
260 23.6 19.2 28.8
265 20.7 17.5 26.3





#87

Benzo(b)fluoranthene

Concen: 3.94 ng

RT: 15.10 min Scan# 2212

Delta R.T. -0.01 min

Lab File: BF103059.D

Acq: 16 Feb 2018 18:20

Instrument :

BNA_F

ClientSampleId :

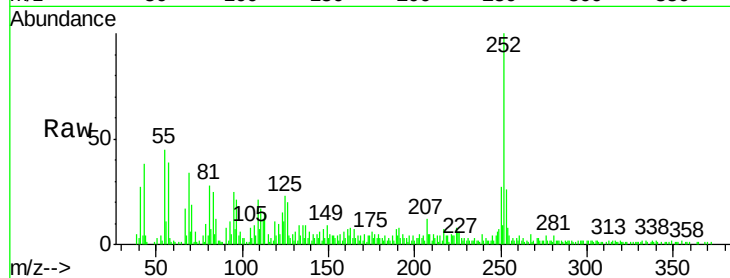
Tot Ion:252 Resp: 62785

Ion Ratio Lower Upper

252 100

253 26.0 17.0 25.6#

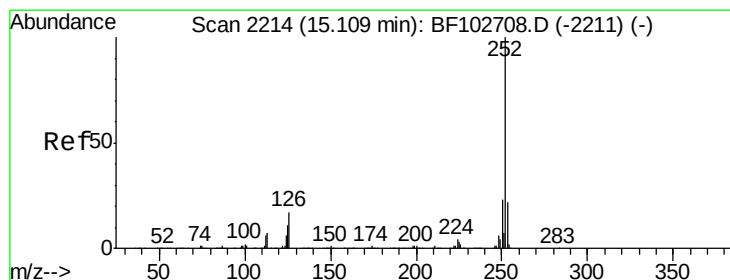
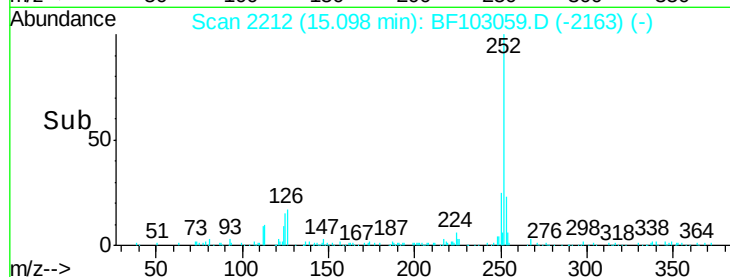
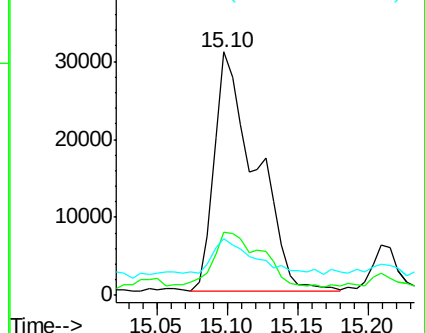
125 23.1 9.0 13.6#



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: 4.13 ng

RT: 15.10 min Scan# 2212

Delta R.T. -0.04 min

Lab File: BF103059.D

Acq: 16 Feb 2018 18:20

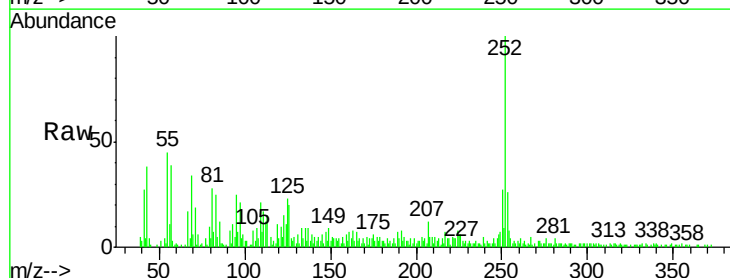
Tgt Ion:252 Resp: 62785

Ion Ratio Lower Upper

252 100

253 26.0 17.9 26.9

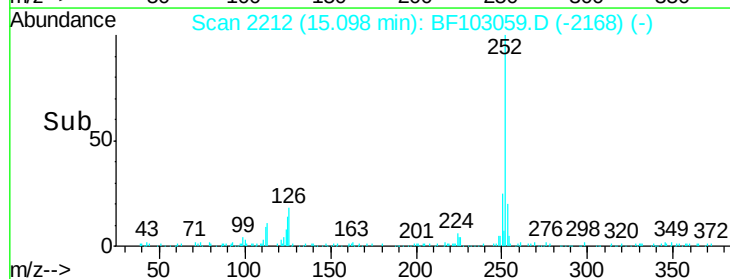
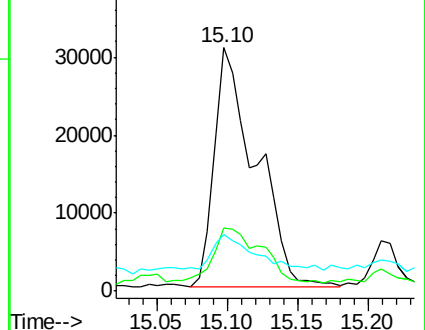
125 23.1 10.2 15.2#

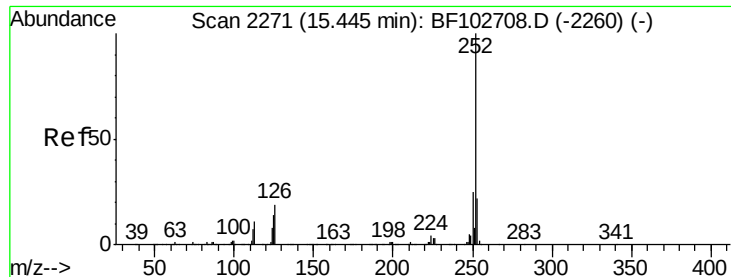


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 2.26 ng

RT: 15.47 min Scan# 2276

Delta R.T. -0.01 min

Lab File: BF103059.D

Acq: 16 Feb 2018 18:20

Instrument :

BNA_F

ClientSampleId :

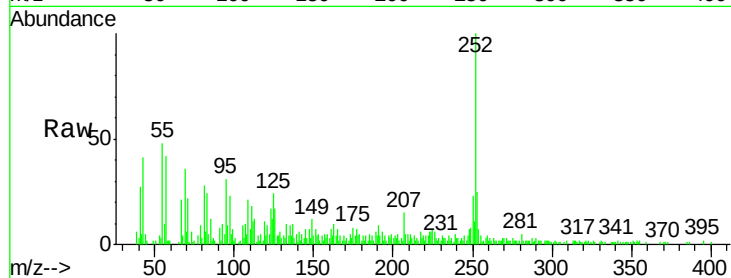
Tot Ion: 252 Resp: 32414

Ion Ratio Lower Upper

252 100

253 24.8 17.1 25.7

125 23.9 9.8 14.6



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

