

Data Path : Z:\HPCHEM1\BNA F\DATA\BF022718\
 Data File : BF103272.D
 Acq On : 27 Feb 2018 19:21
 Operator : SJ/JU
 Sample : J1400-09
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Feb 28 00:01:17 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF022218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Feb 27 17:05:20 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	166941	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	678540	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	272951	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	385176	20.00	ng	0.00
75) Chrysene-d12	14.06	240	286049	20.00	ng	0.00
86) Perylene-d12	15.56	264	207084	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.50	112	1072240	97.14	ng	0.01
7) Phenol-d6	6.51	99	1294603	95.85	ng	0.00
23) Nitrobenzene-d5	7.44	82	845612	71.17	ng	0.00
41) 2,4,6-Tribromophenol	10.71	330	167137	72.34	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	1111483	66.57	ng	0.00
78) Terphenyl-d14	12.99	244	715625	60.14	ng	0.00

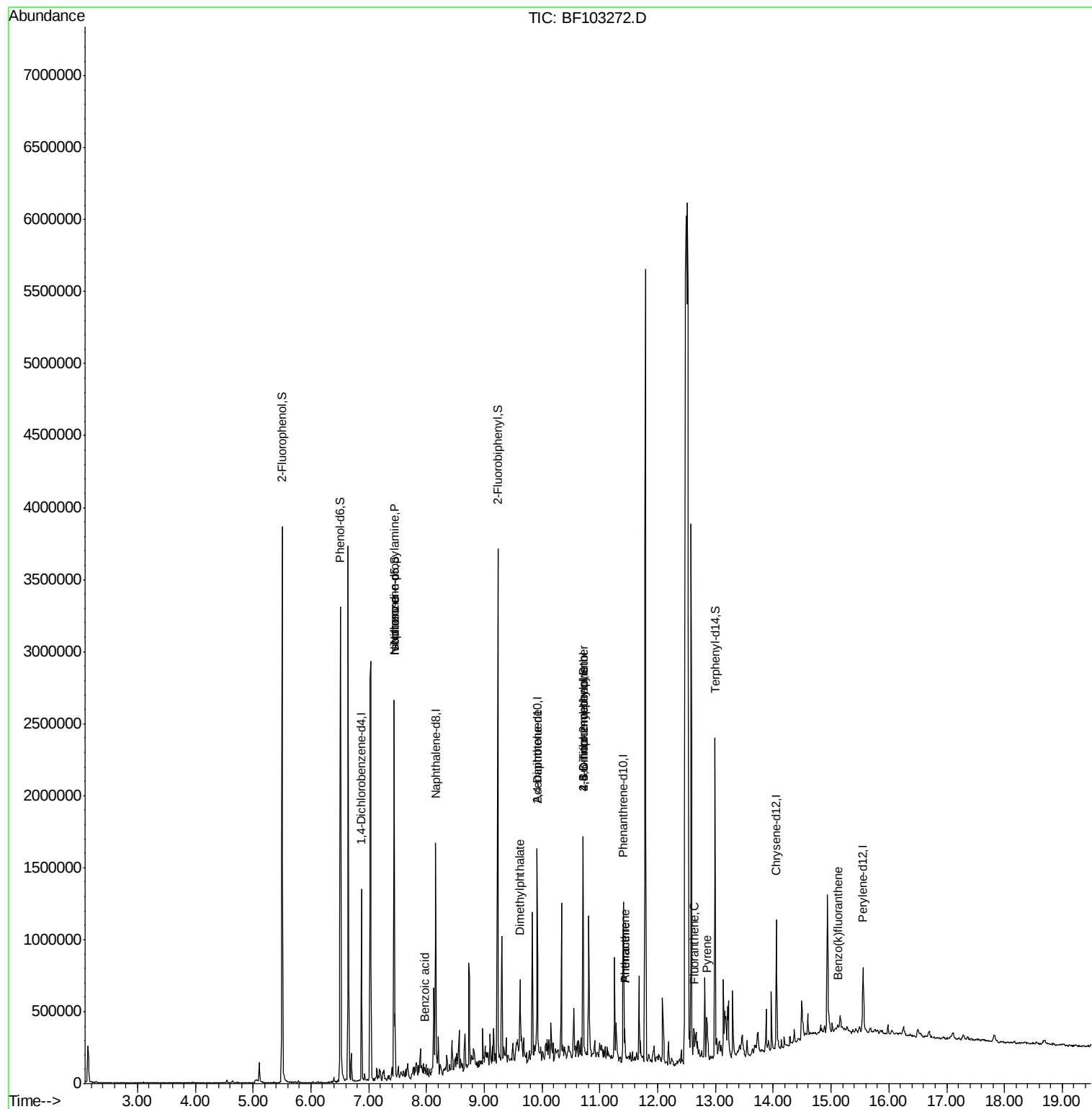
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.40	77	996	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.44	70	120639	14.35	ng	85
25) Isophorone	7.44	82	843989	36.07	ng	64
32) Benzoic acid	7.97	122	107	6.93	ng	1
49) Dimethylphthalate	9.62	163	93946	4.29	ng	99
56) 2,4-Dinitrotoluene	9.92	165	38391	6.61	ng	24
64) 4,6-Dinitro-2-methylphenol	10.71	198	385	5.09	ng	1
66) 4-Bromophenyl-phenylether	10.71	248	11545	2.88	ng	1
70) Phenanthrene	11.43	178	57387	2.71	ng	99
71) Anthracene	11.43	178	57387	2.64	ng	99
74) Fluoranthene	12.63	202	51547	2.42	ng	99
77) Pvrene	12.86	202	59733	2.68	ng	99
88) Benzo(k)fluoranthene	15.12	252	27073	2.11	ng	69

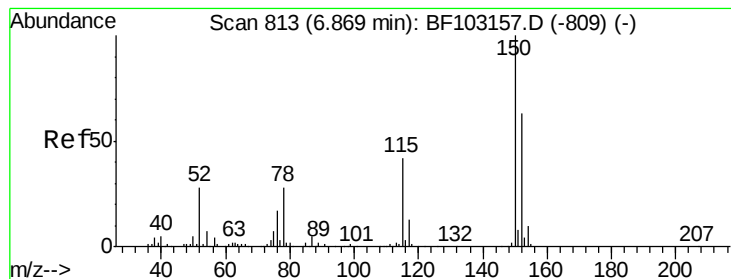
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.87 min Scan# 814

Delta R.T. -0.00 min

Lab File: BF103272.D

Acq: 27 Feb 2018 19:21

Instrument :

BNA_F

ClientSampleId :

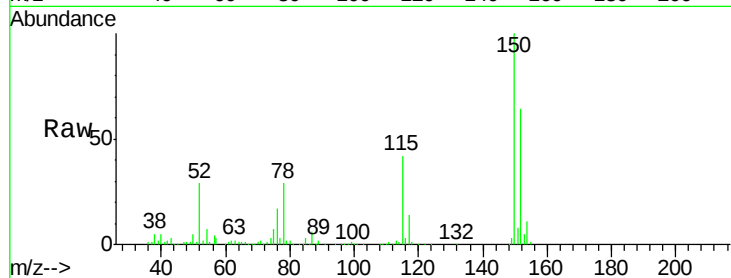
Tot Ion:152 Resp: 166941

Ion Ratio Lower Upper

152 100

150 156.1 124.6 186.8

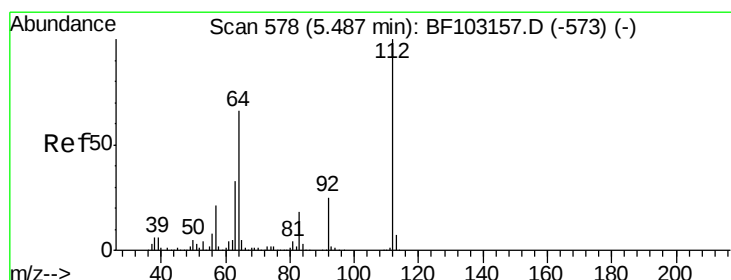
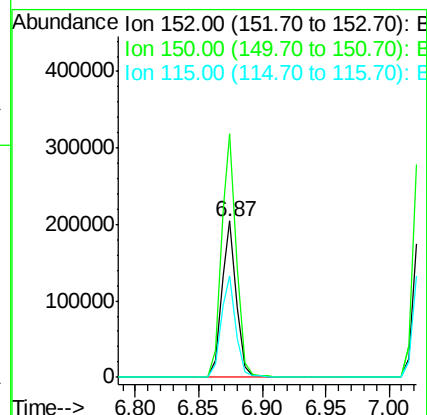
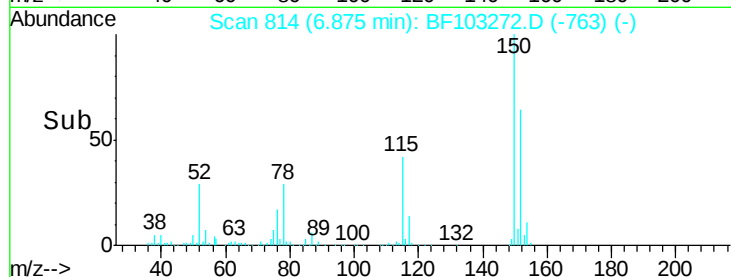
115 65.3 50.1 75.1



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: 97.14 ng

RT: 5.50 min Scan# 581

Delta R.T. 0.01 min

Lab File: BF103272.D

Acq: 27 Feb 2018 19:21

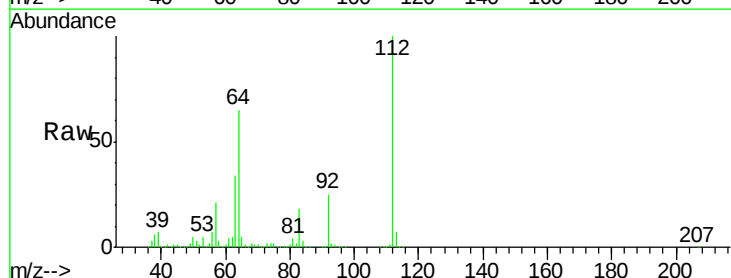
Tgt Ion:112 Resp: 1072240

Ion Ratio Lower Upper

112 100

64 64.7 47.9 71.9

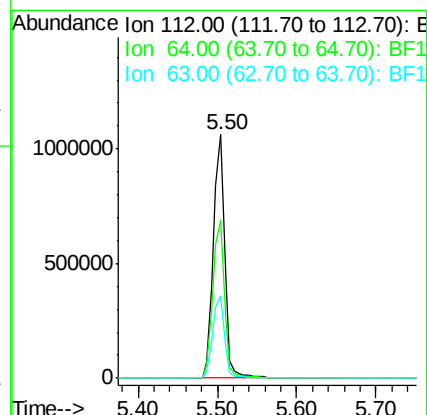
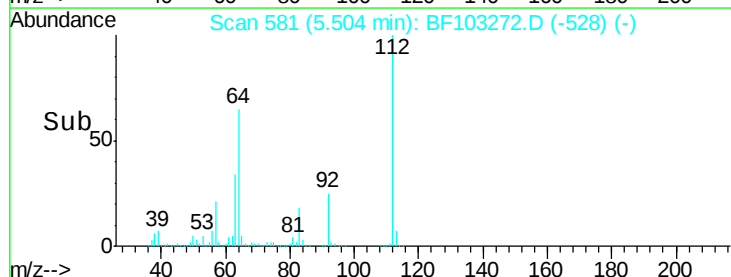
63 33.7 23.7 35.5

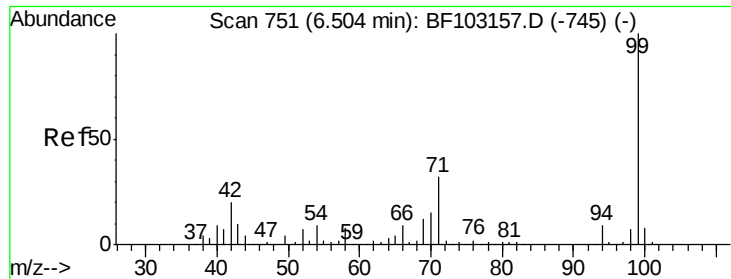


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 95.85 ng

RT: 6.51 min Scan# 752

Delta R.T. -0.00 min

Lab File: BF103272.D

Acq: 27 Feb 2018 19:21

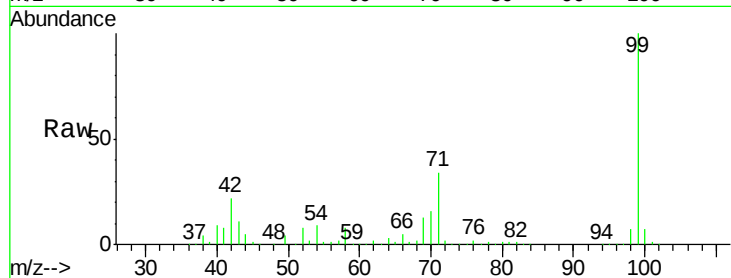
Instrument :

BNA_F

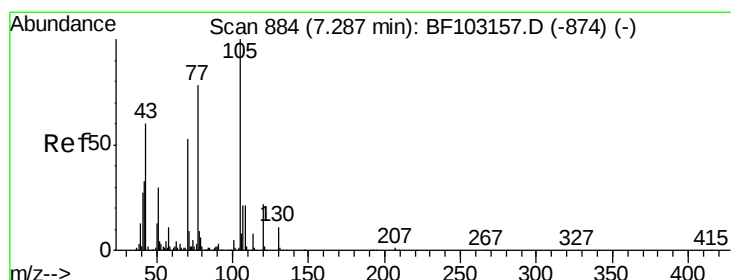
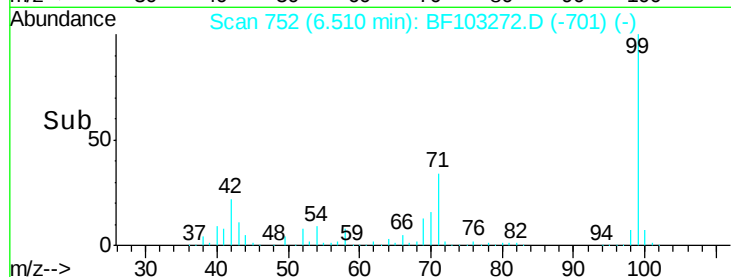
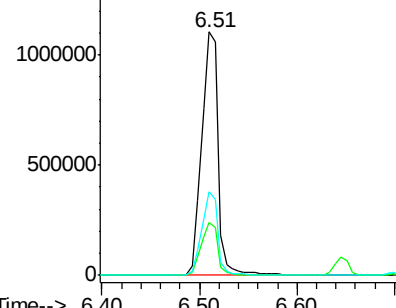
ClientSampled :

Tot Ion: 99 Resp: 1294603

Ion	Ratio	Lower	Upper
99	100		
42	21.8	14.5	21.7#
71	34.3	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



#19

n-Nitroso-di-n-propylamine

Concen: 14.35 ng

RT: 7.44 min Scan# 910

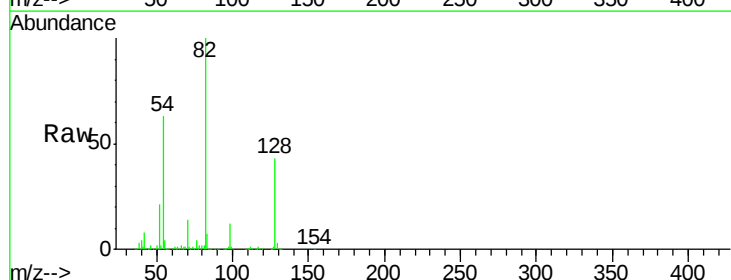
Delta R.T. 0.15 min

Lab File: BF103272.D

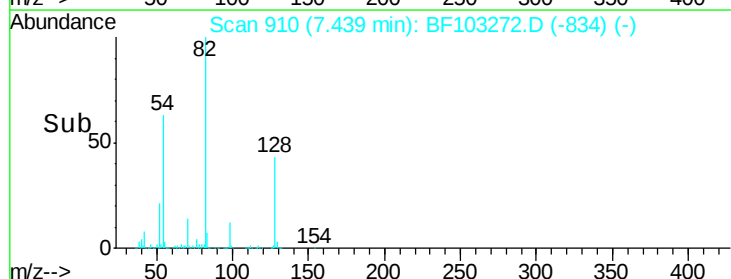
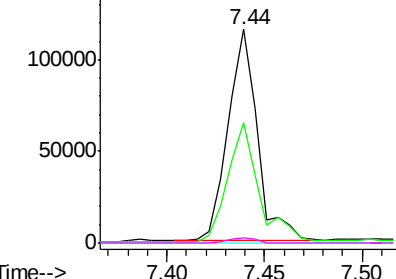
Acq: 27 Feb 2018 19:21

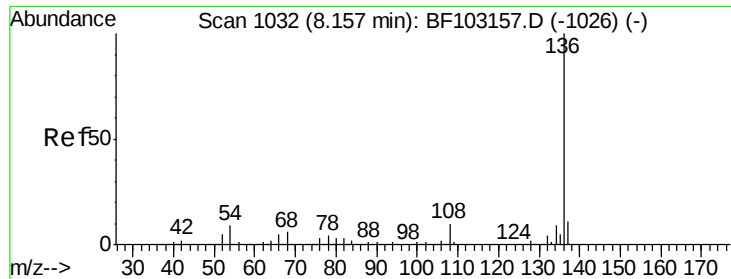
Tgt Ion: 70 Resp: 120639

Ion	Ratio	Lower	Upper
70	100		
42	56.3	47.5	71.3
101	0.0	7.4	11.2#
130	2.2	16.6	25.0#



Abundance Ion 70.00 (69.70 to 70.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 101.00 (100.70 to 101.70): BF1
Ion 130.00 (129.70 to 130.70): BF1





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.16 min Scan# 1032

Delta R.T. -0.00 min

Lab File: BF103272.D

Acq: 27 Feb 2018 19:21

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 678540

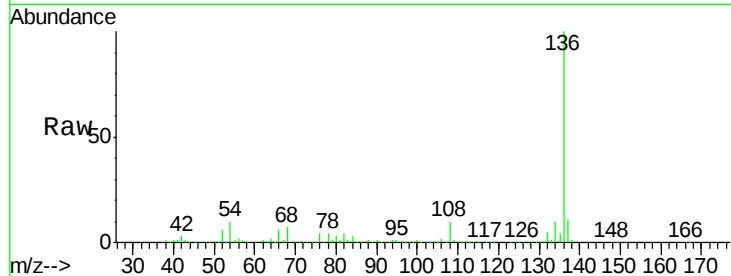
Ion Ratio Lower Upper

136 100

137 11.2 8.9 13.3

54 9.6 6.6 9.8

68 6.9 5.0 7.4

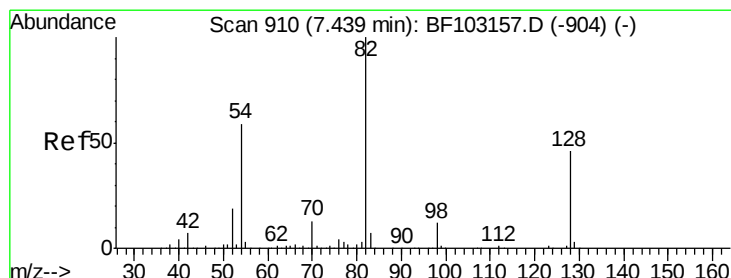
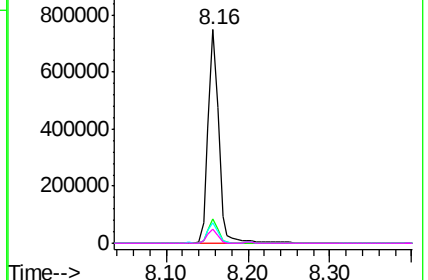
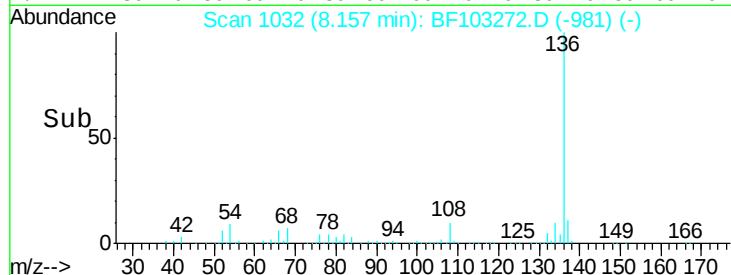


Abundance Ion 136.00 (135.70 to 136.70): E

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



#23

Nitrobenzene-d5

Concen: 71.17 ng

RT: 7.44 min Scan# 910

Delta R.T. -0.01 min

Lab File: BF103272.D

Acq: 27 Feb 2018 19:21

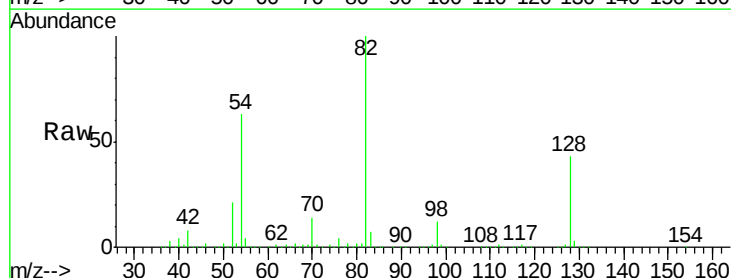
Tgt Ion: 82 Resp: 845612

Ion Ratio Lower Upper

82 100

128 42.8 36.1 54.1

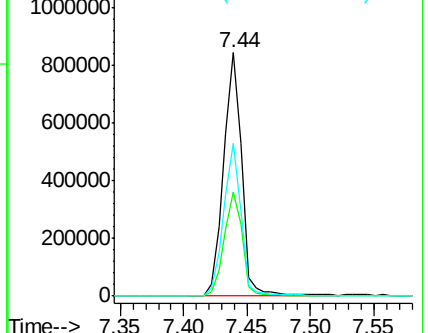
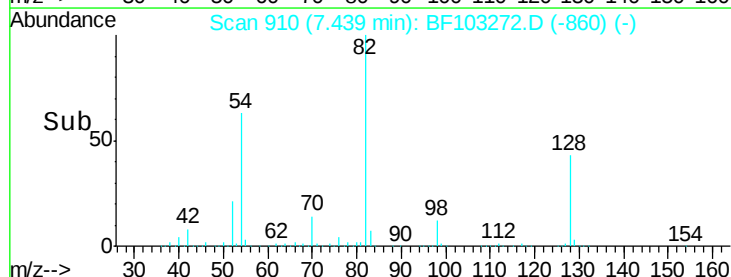
54 62.6 41.4 62.2#

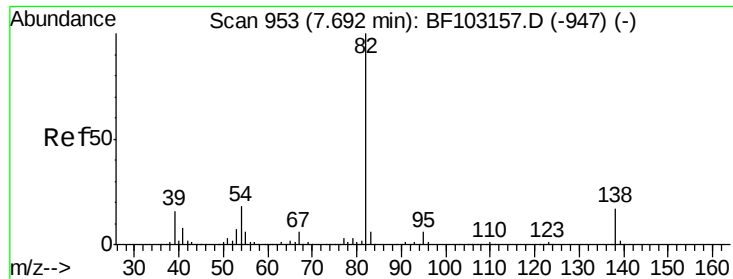


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1

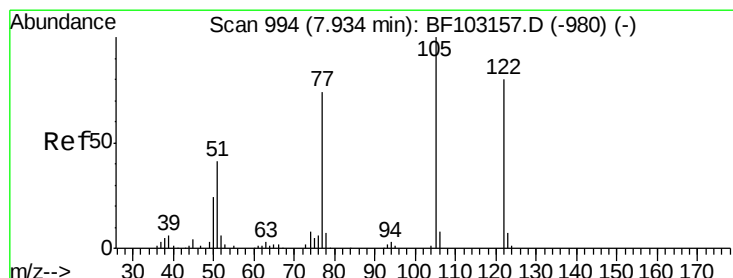
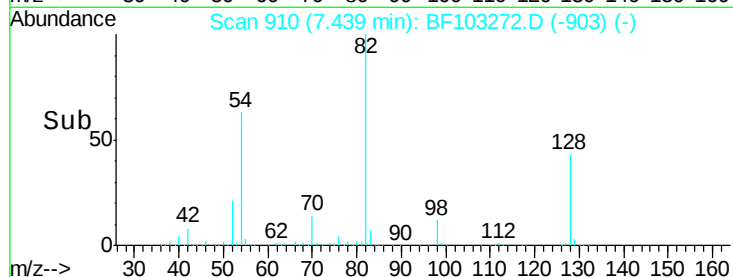
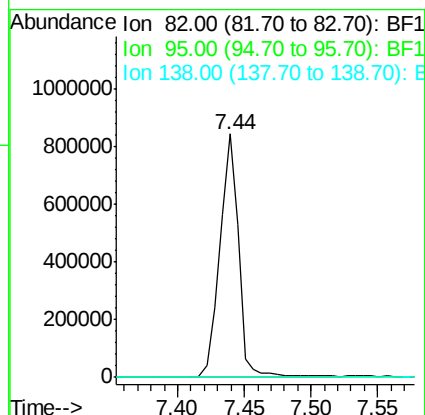
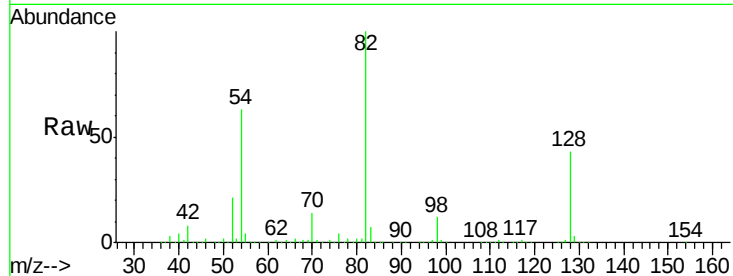




#25
Isophorone
Concen: 36.07 ng
RT: 7.44 min Scan# 910
Delta R.T. -0.26 min
Lab File: BF103272.D
Acq: 27 Feb 2018 19:21

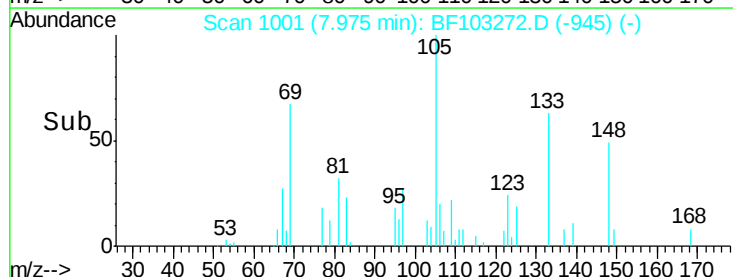
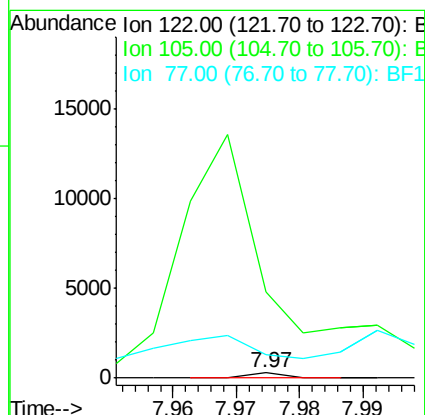
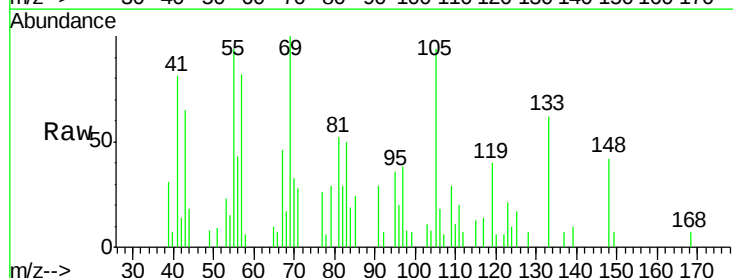
Instrument :
BNA_F
ClientSampleId :

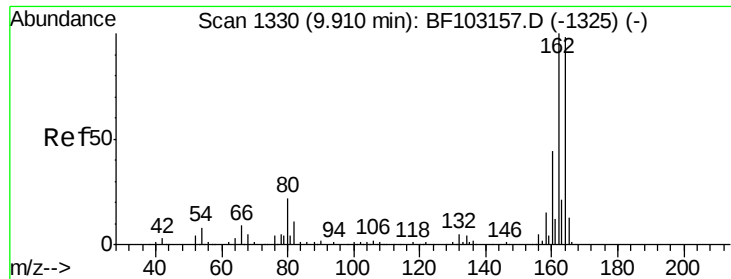
Tot Ion: 82 Resp: 843989
Ion Ratio Lower Upper
82 100
95 0.1 5.2 7.8#
138 0.0 14.9 22.3#



#32
Benzoic acid
Concen: 6.93 ng
RT: 7.97 min Scan# 1001
Delta R.T. 0.03 min
Lab File: BF103272.D
Acq: 27 Feb 2018 19:21

Tgt Ion:122 Resp: 107
Ion Ratio Lower Upper
122 100
105 1581.3 101.1 141.1#
77 434.5 70.7 110.7#

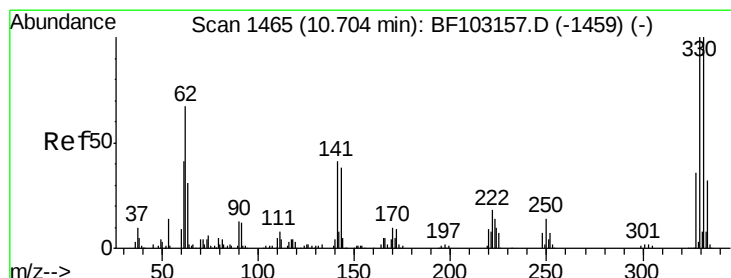
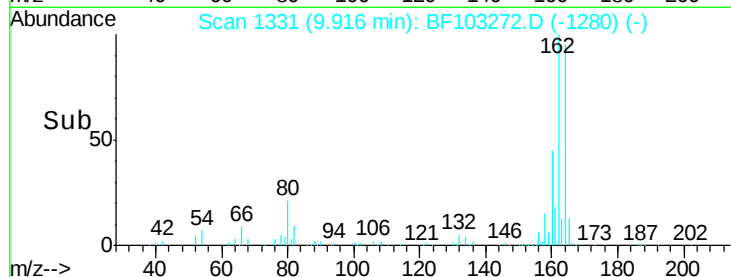
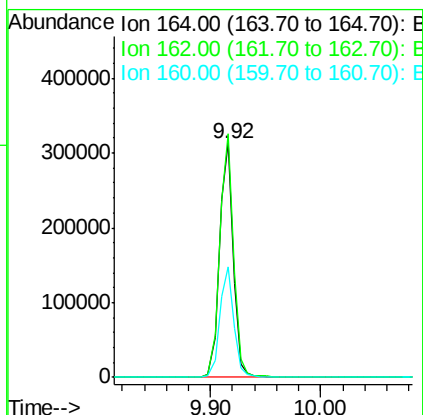
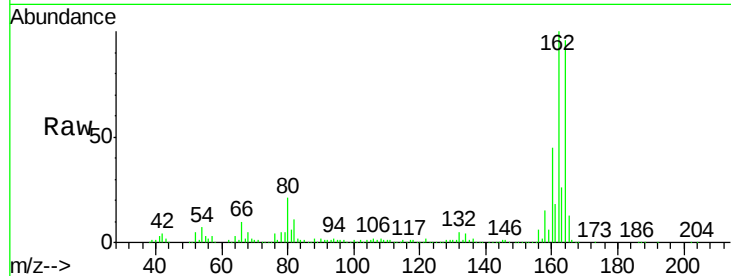




#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.92 min Scan# 1331
Delta R.T. -0.00 min
Lab File: BF103272.D
Acq: 27 Feb 2018 19:21

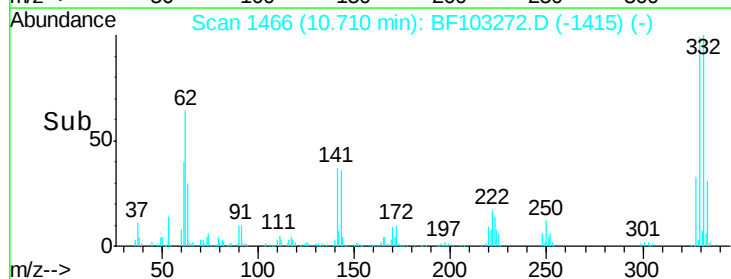
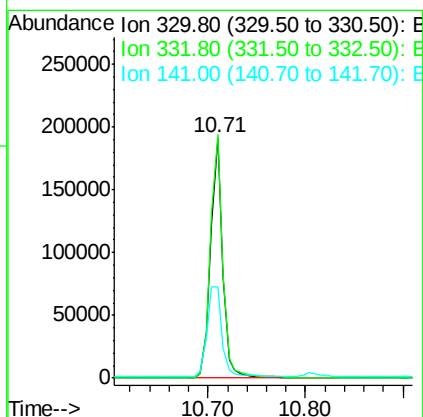
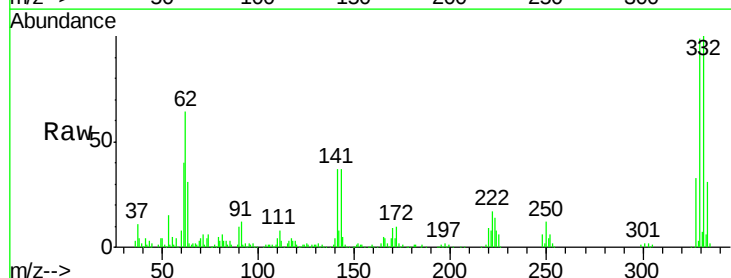
Instrument :
BNA_F
ClientSampleId :

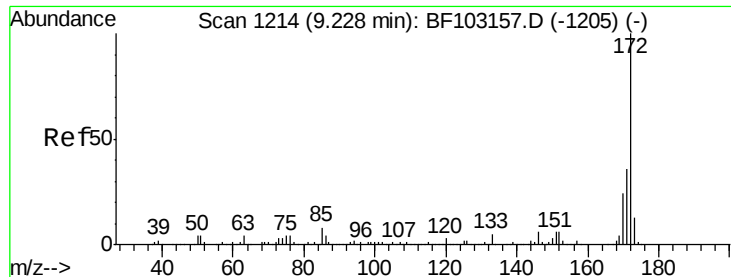
Tot Ion:164 Resp: 272951
Ion Ratio Lower Upper
164 100
162 104.0 86.1 129.1
160 47.2 38.3 57.5



#41
2,4,6-Tribromophenol
Concen: 72.34 ng
RT: 10.71 min Scan# 1466
Delta R.T. -0.00 min
Lab File: BF103272.D
Acq: 27 Feb 2018 19:21

Tgt Ion:330 Resp: 167137
Ion Ratio Lower Upper
330 100
332 103.7 77.0 115.6
141 45.6 29.9 44.9#

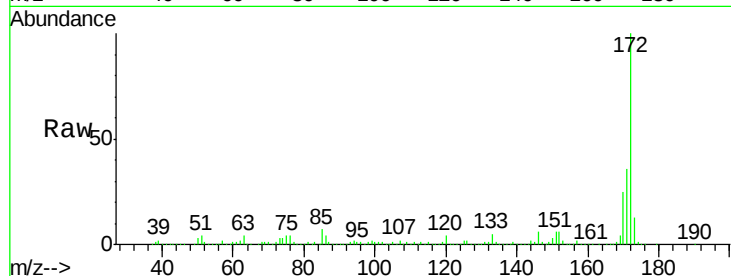




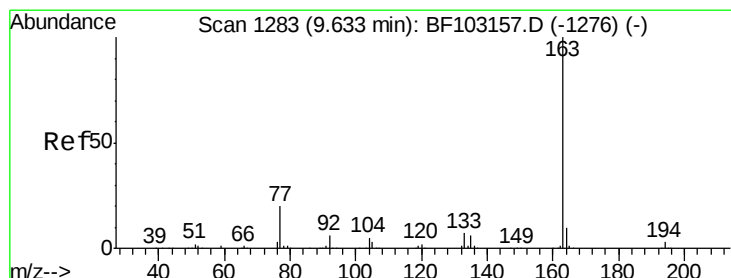
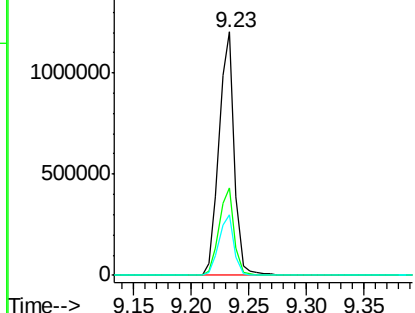
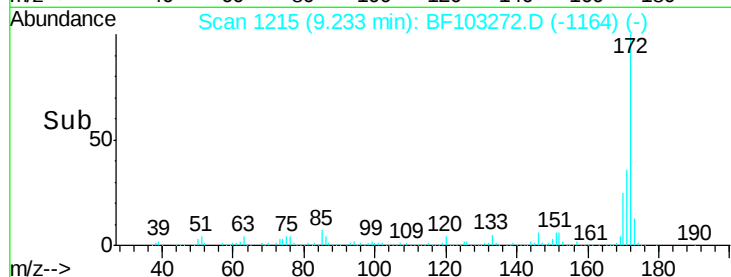
#44
2-Fluorobiphenyl
Concen: 66.57 ng
RT: 9.23 min Scan# 1215
Delta R.T. -0.00 min
Lab File: BF103272.D
Acq: 27 Feb 2018 19:21

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 1111483
Ion Ratio Lower Upper
172 100
171 36.0 29.7 44.5
170 24.7 19.6 29.4

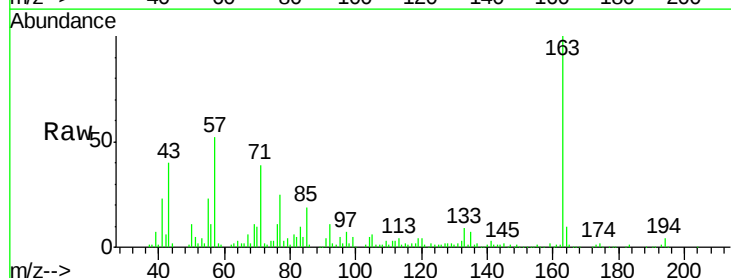


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

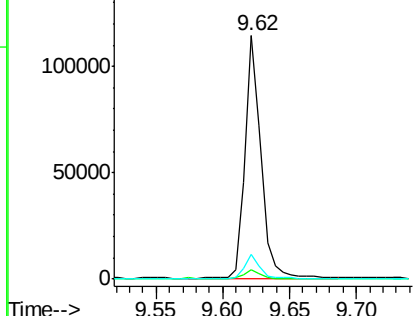
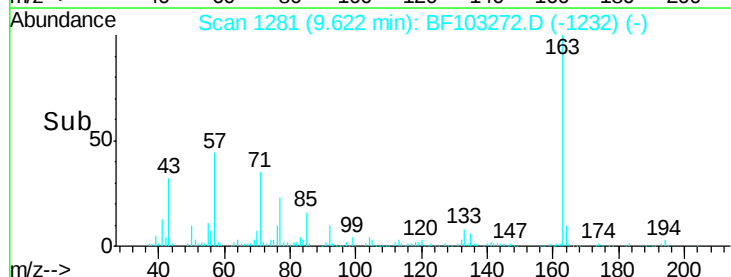


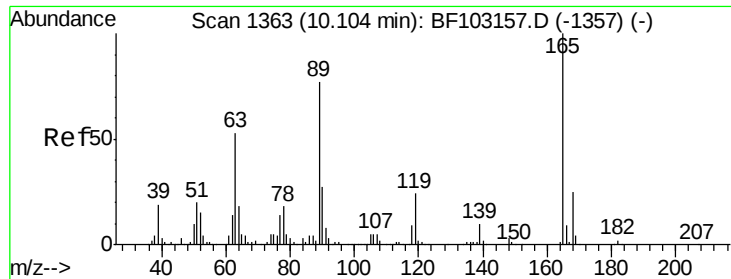
#49
Dimethylphthalate
Concen: 4.29 ng
RT: 9.62 min Scan# 1281
Delta R.T. -0.01 min
Lab File: BF103272.D
Acq: 27 Feb 2018 19:21

Tgt Ion:163 Resp: 93946
Ion Ratio Lower Upper
163 100
194 3.8 2.7 4.1
164 10.0 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

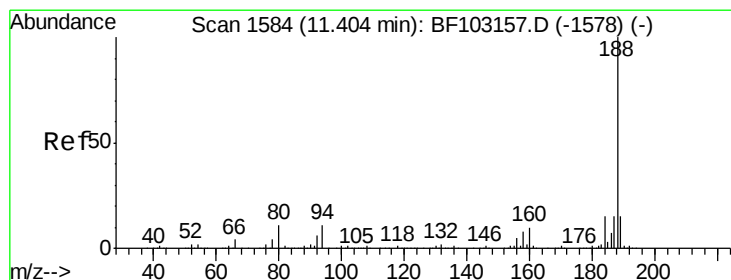
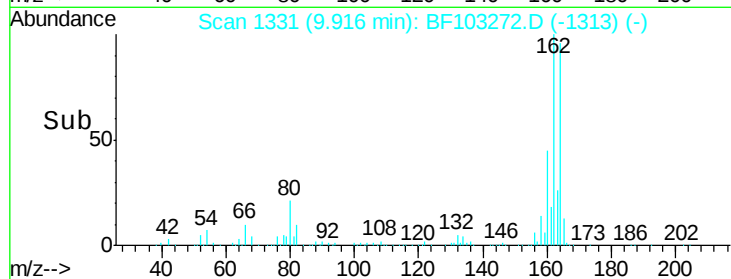
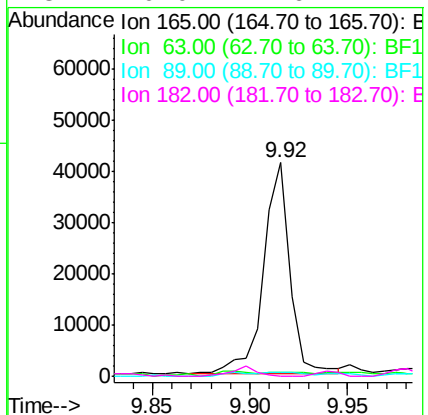
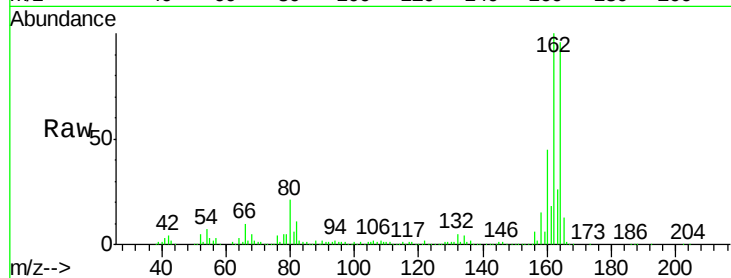




#56
2,4-Dinitrotoluene
Concen: 6.61 ng
RT: 9.92 min Scan# 1331
Delta R.T. -0.19 min
Lab File: BF103272.D
Acq: 27 Feb 2018 19:21

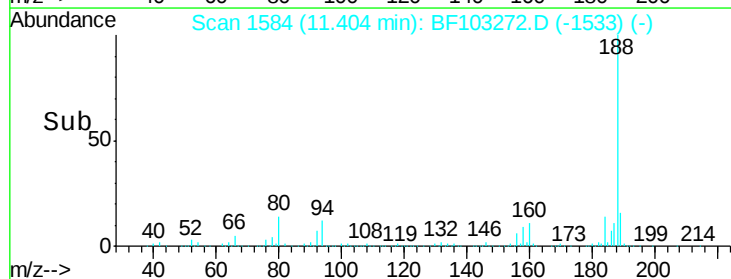
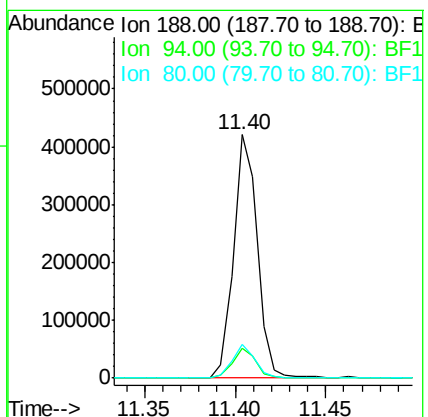
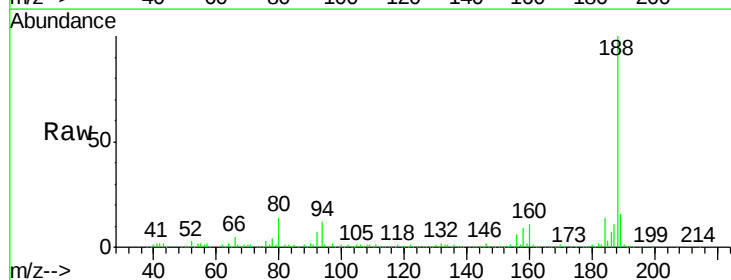
Instrument :
BNA_F
ClientSampleId :

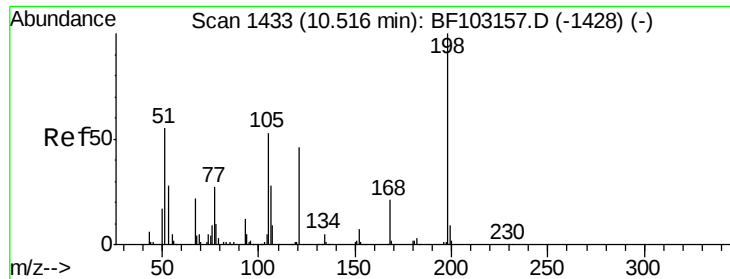
Tot Ion:	165	Resp:	38391
Ion	Ratio	Lower	Upper
165	100		
63	2.0	36.4	54.6#
89	1.9	57.8	86.6#
182	0.0	1.6	2.4#



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.40 min Scan# 1584
Delta R.T. -0.00 min
Lab File: BF103272.D
Acq: 27 Feb 2018 19:21

Tgt Ion:	188	Resp:	385176
Ion	Ratio	Lower	Upper
188	100		
94	12.0	8.5	12.7
80	13.8	9.2	13.8

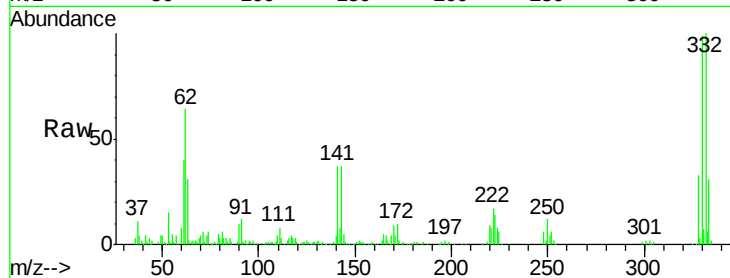




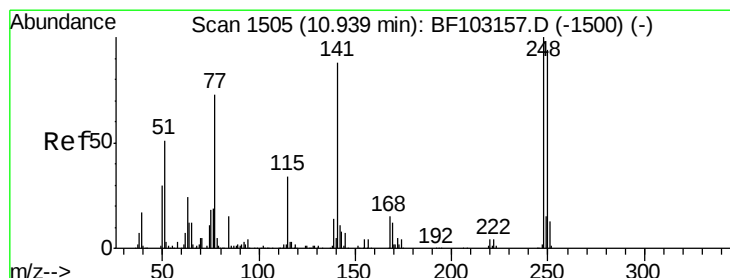
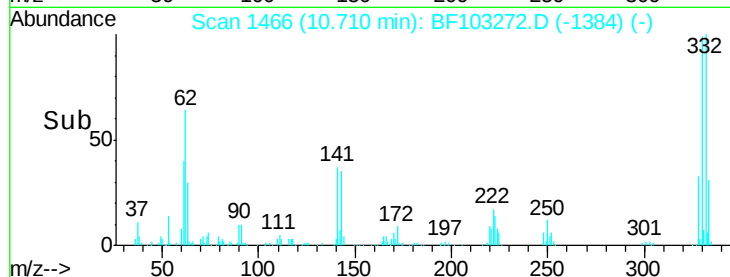
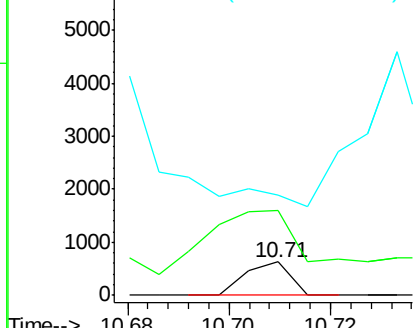
#64
 4,6-Dinitro-2-methylphenol
 Concen: 5.09 ng
 RT: 10.71 min Scan# 1466
 Delta R.T. 0.18 min
 Lab File: BF103272.D
 Acq: 27 Feb 2018 19:21

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:198 Resp: 385
 Ion Ratio Lower Upper
 198 100
 51 257.2 37.7 77.7#
 105 303.0 36.3 76.3#

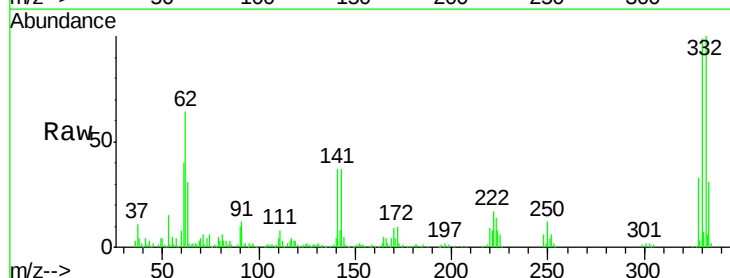


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

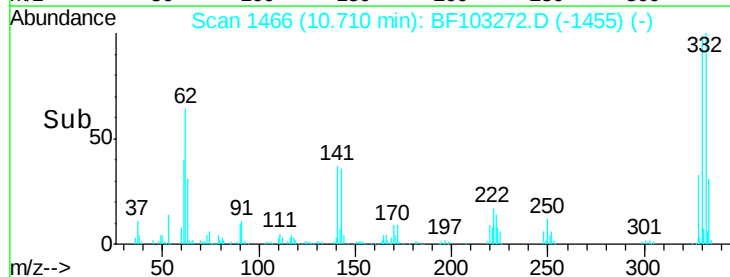
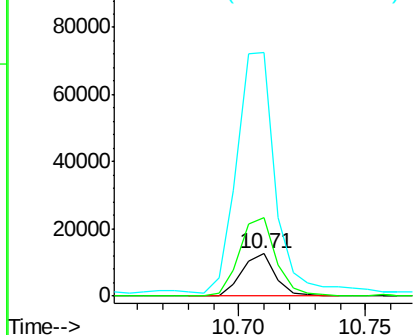


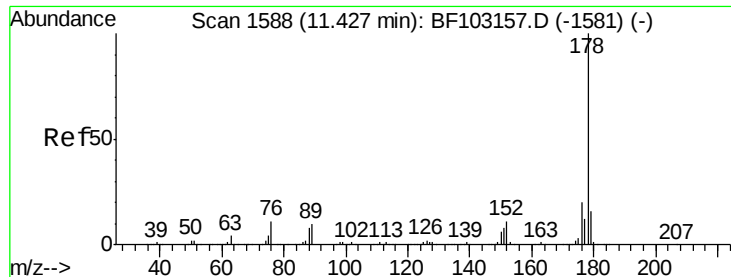
#66
 4-Bromophenyl-phenylether
 Concen: 2.88 ng
 RT: 10.71 min Scan# 1466
 Delta R.T. -0.24 min
 Lab File: BF103272.D
 Acq: 27 Feb 2018 19:21

Tgt Ion:248 Resp: 11545
 Ion Ratio Lower Upper
 248 100
 250 186.4 76.9 115.3#
 141 578.1 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: 2.71 ng

RT: 11.43 min Scan# 1588

Delta R.T. -0.01 min

Lab File: BF103272.D

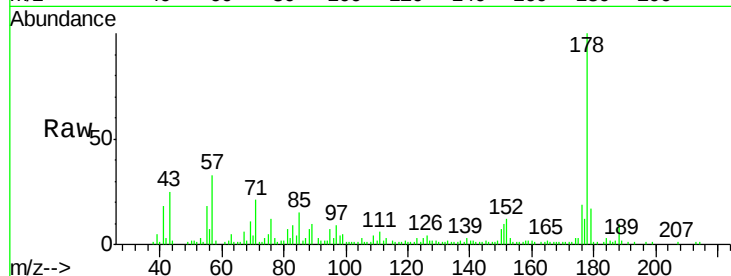
Acq: 27 Feb 2018 19:21

Instrument :

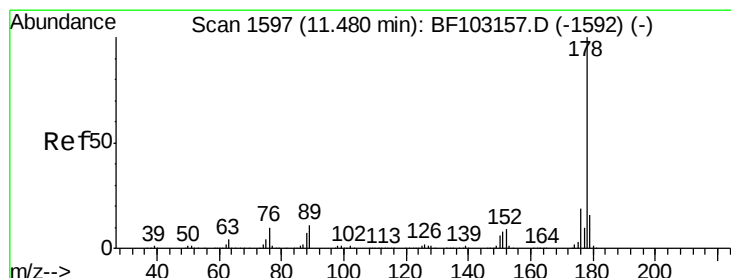
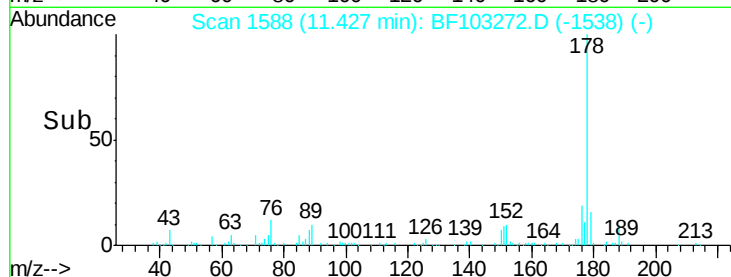
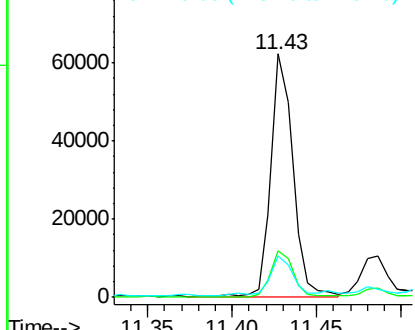
BNA_F

ClientSampleId :

Tot	Ion:178	Resp:	57387
Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.8	23.8
179	16.8	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



#71

Anthracene

Concen: 2.64 ng

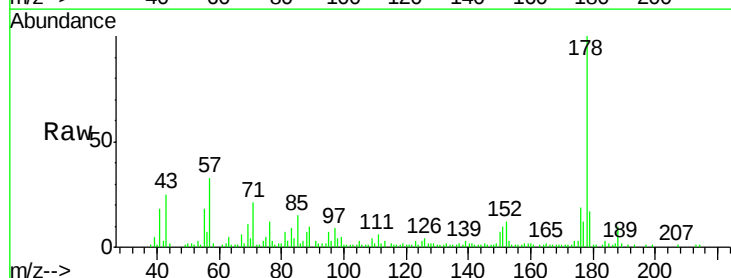
RT: 11.43 min Scan# 1588

Delta R.T. -0.06 min

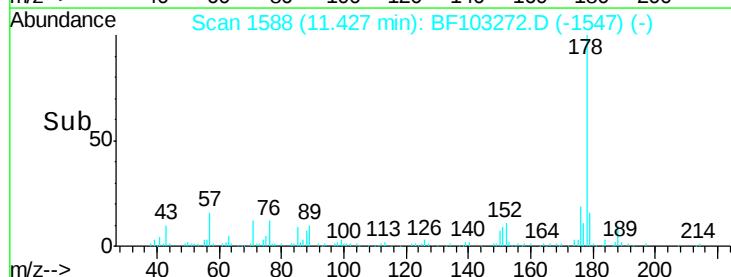
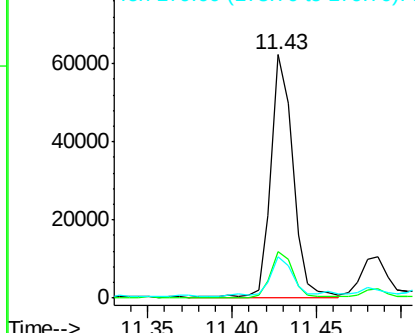
Lab File: BF103272.D

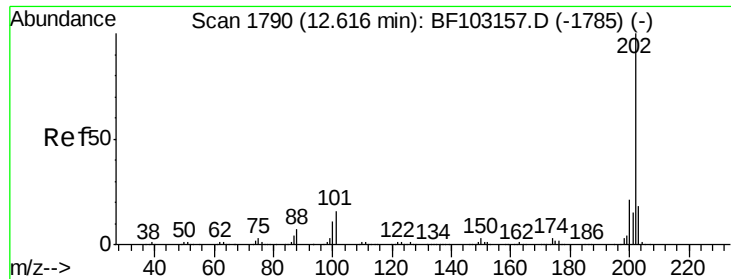
Acq: 27 Feb 2018 19:21

Tgt Ion	178	Resp: Lower	57387 Upper
	Ratio		
178	100		
176	19.1	15.4	23.2
179	16.8	12.6	19.0



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





#74

Fluoranthene

Concen: 2.42 ng

RT: 12.63 min Scan# 1792

Delta R.T. 0.01 min

Lab File: BF103272.D

Acq: 27 Feb 2018 19:21

Instrument :

BNA_F

ClientSampleId :

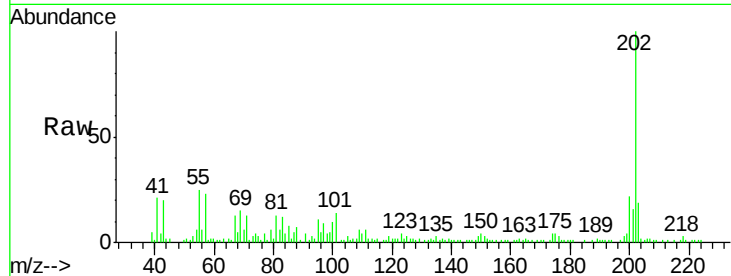
Tot Ion:202 Resp: 51547

Ion Ratio Lower Upper

202 100

101 14.0 0.0 34.1

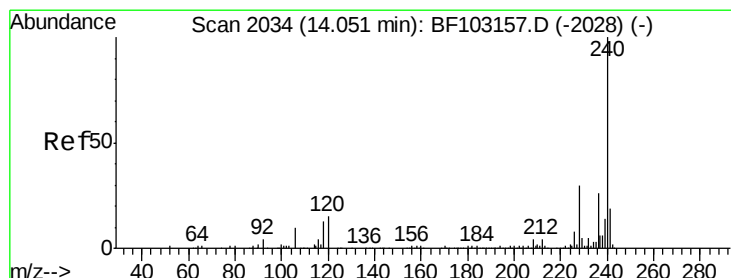
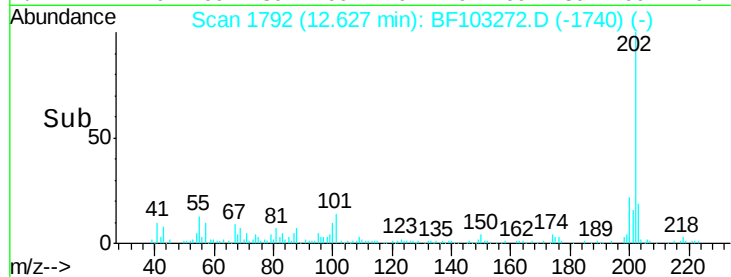
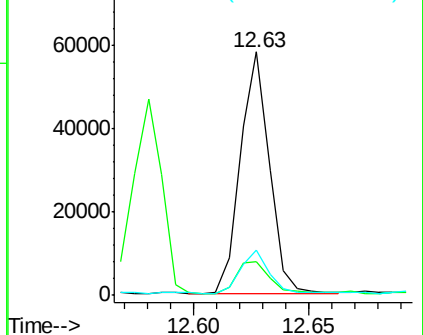
203 18.7 0.0 38.1



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: 14.06 min Scan# 2035

Delta R.T. -0.00 min

Lab File: BF103272.D

Acq: 27 Feb 2018 19:21

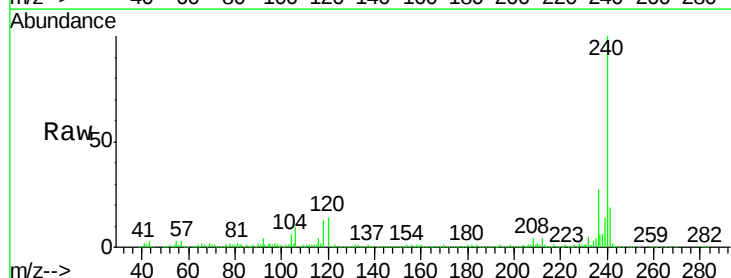
Tgt Ion:240 Resp: 286049

Ion Ratio Lower Upper

240 100

120 14.1 9.5 14.3

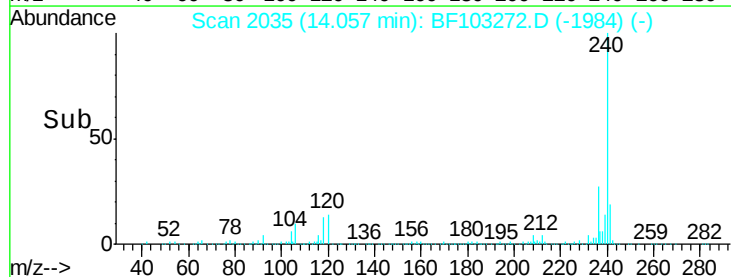
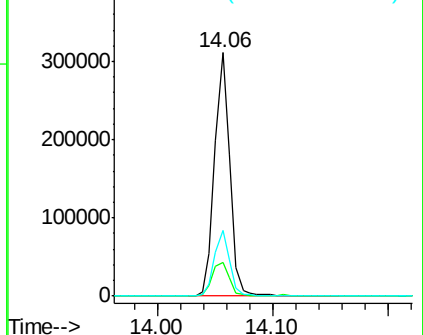
236 26.9 20.7 31.1

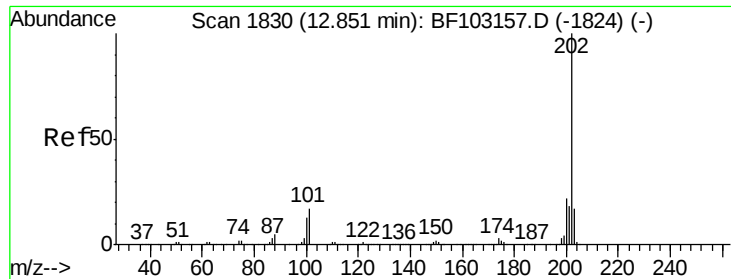


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

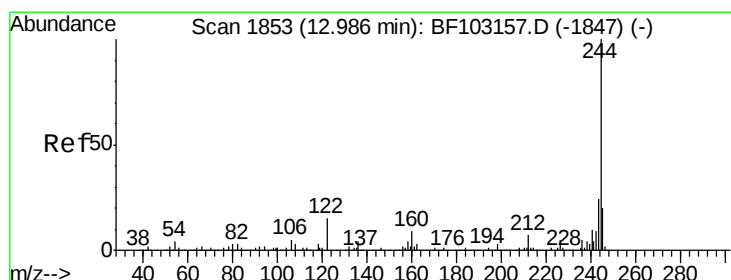
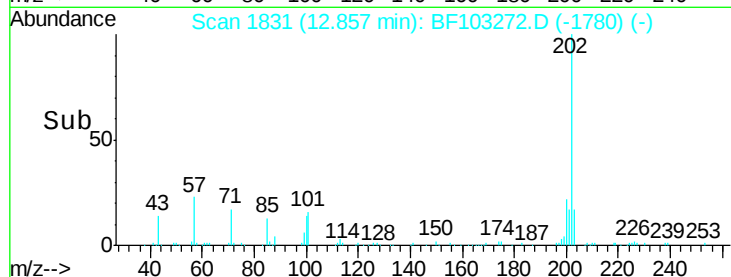
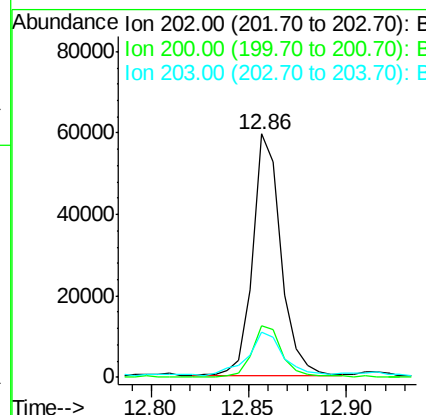
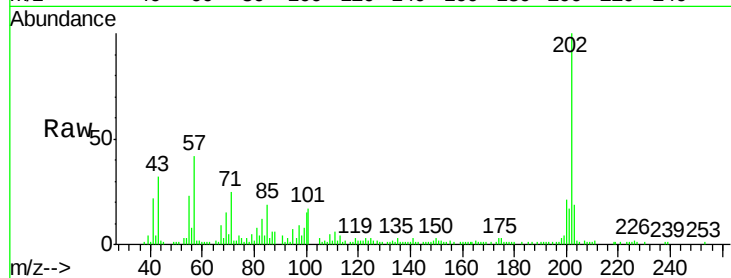




#77
Pvrene
Concen: 2.68 ng
RT: 12.86 min Scan# 1831
Delta R.T. -0.00 min
Lab File: BF103272.D
Acq: 27 Feb 2018 19:21

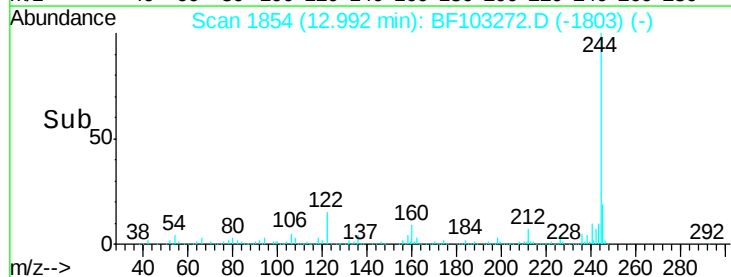
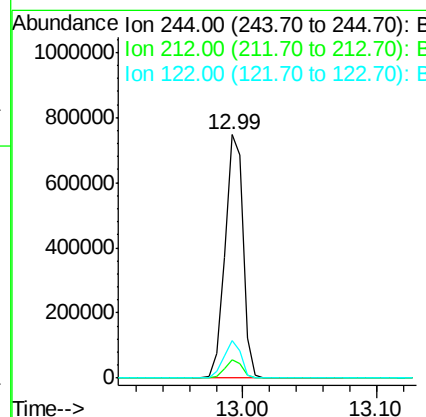
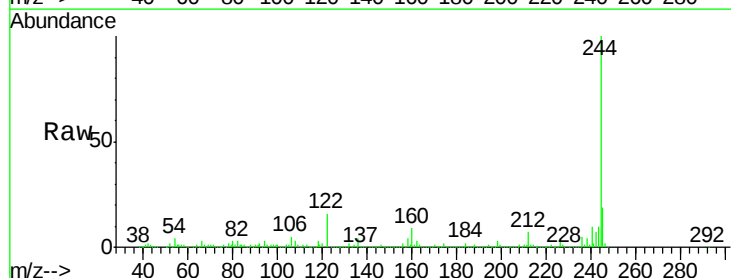
Instrument :
BNA_F
ClientSampleId :

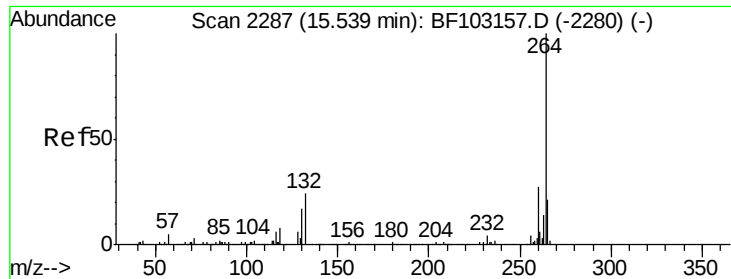
Tot Ion:202 Resp: 59733
Ion Ratio Lower Upper
202 100
200 21.5 17.4 26.2
203 18.6 14.3 21.5



#78
Terphenyl-d14
Concen: 60.14 ng
RT: 12.99 min Scan# 1854
Delta R.T. -0.00 min
Lab File: BF103272.D
Acq: 27 Feb 2018 19:21

Tgt Ion:244 Resp: 715625
Ion Ratio Lower Upper
244 100
212 7.4 5.4 8.0
122 15.6 11.0 16.4

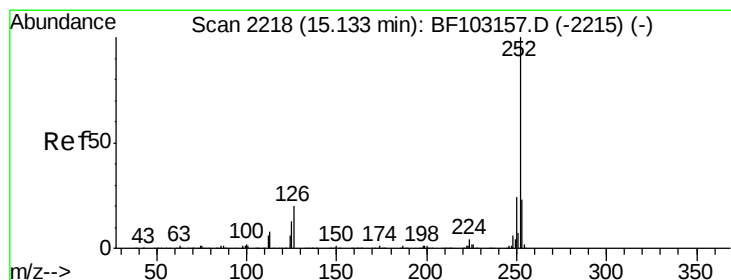
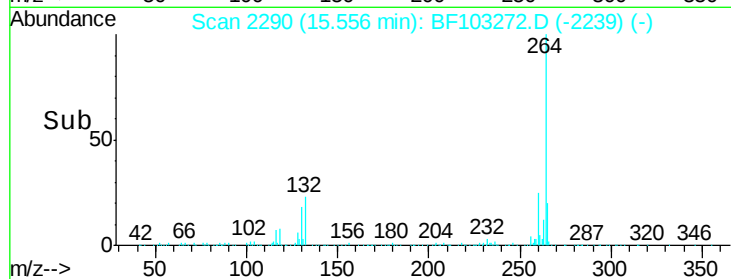
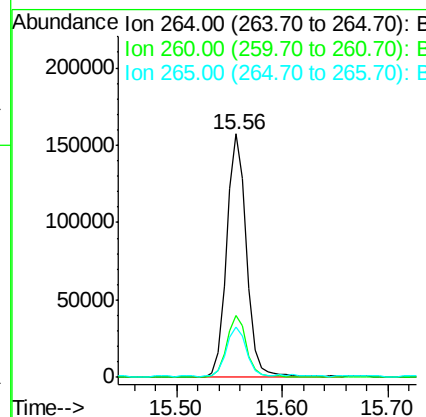
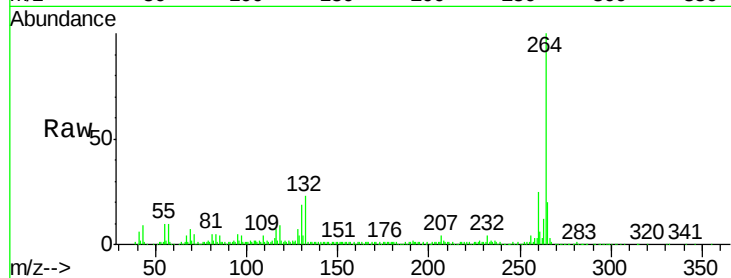




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.56 min Scan# 2290
Delta R.T. -0.00 min
Lab File: BF103272.D
Acq: 27 Feb 2018 19:21

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	25.3	19.2	28.8
265	20.4	17.5	26.3



#88
Benzo(k)fluoranthene
Concen: 2.11 ng
RT: 15.12 min Scan# 2215
Delta R.T. -0.04 min
Lab File: BF103272.D
Acq: 27 Feb 2018 19:21

Tgt Ion	Ratio	Lower	Upper
252	100		
253	31.7	17.9	26.9#
125	32.7	10.2	15.2#

