

Data Path : Z:\HPCHEM1\BNA F\DATA\BF022618\
 Data File : BF103208.D
 Acq On : 26 Feb 2018 10:34
 Operator : SJ/JU
 Sample : PB106778BL
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Feb 26 12:14:29 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF022218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 23 02:43:46 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	144901	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	605629	20.00	ng	0.00
38) Acenaphthene-d10	9.90	164	273900	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	501031	20.00	ng	0.00
75) Chrysene-d12	14.04	240	394604	20.00	ng	0.00
86) Perylene-d12	15.53	264	328783	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.50	112	1043778	108.95	ng	0.01
7) Phenol-d6	6.50	99	1231707	105.06	ng	0.00
23) Nitrobenzene-d5	7.43	82	803561	75.77	ng	0.00
41) 2,4,6-Tribromophenol	10.70	330	257934	111.25	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	1317153	82.18	ng	0.00
78) Terphenyl-d14	12.99	244	1234949	75.23	ng	0.00

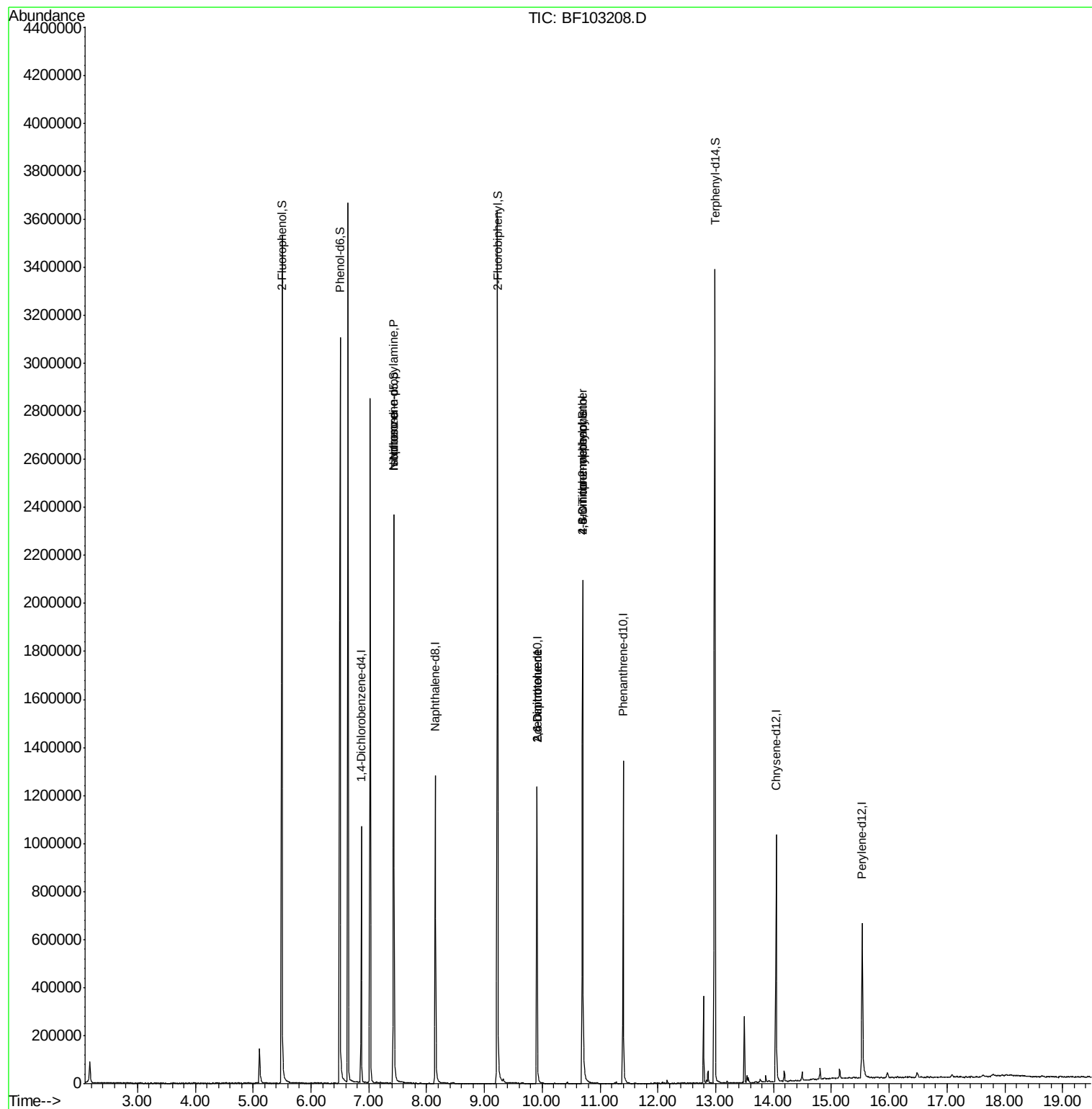
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.50	77	1885	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.43	70	108274	14.840	ng	# 79
25) Isophorone	7.43	82	803660	38.478	ng	# 64
50) 2,6-Dinitrotoluene	9.90	165	34852	7.558	ng	# 25
56) 2,4-Dinitrotoluene	9.90	165	34852	5.976	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.70	198	609	5.125	ng	# 1
66) 4-Bromophenyl-phenylether	10.70	248	17460	3.345	ng	# 1

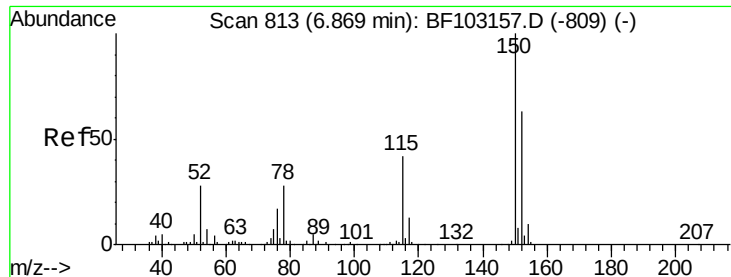
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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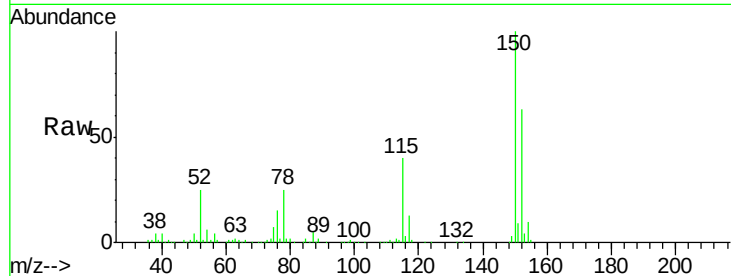


#1

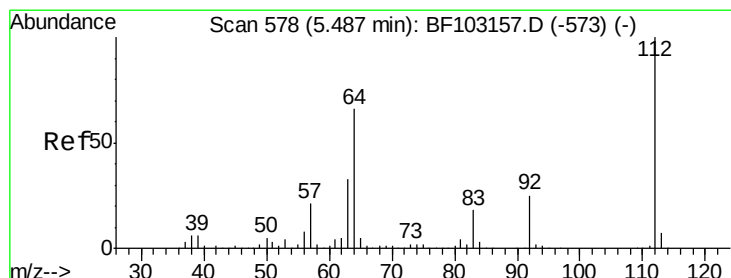
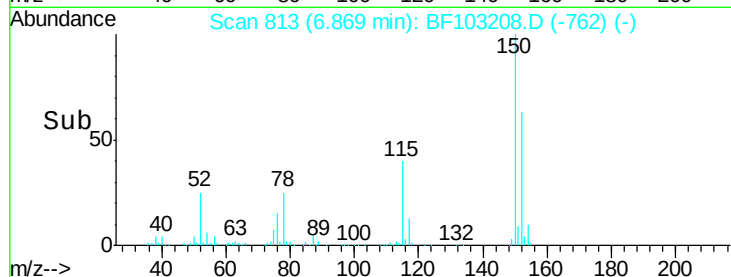
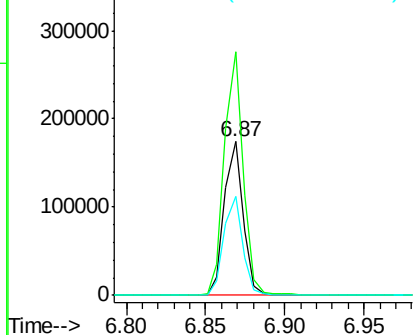
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 813
Delta R.T. -0.00 min
Lab File: BF103208.D
Acq: 26 Feb 2018 10:34

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 144901
Ion Ratio Lower Upper
152 100
150 158.4 124.6 186.8
115 64.1 50.1 75.1



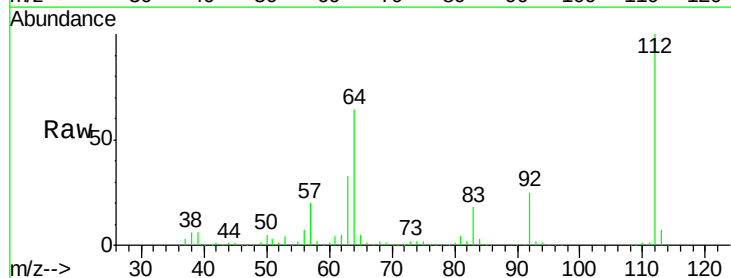
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



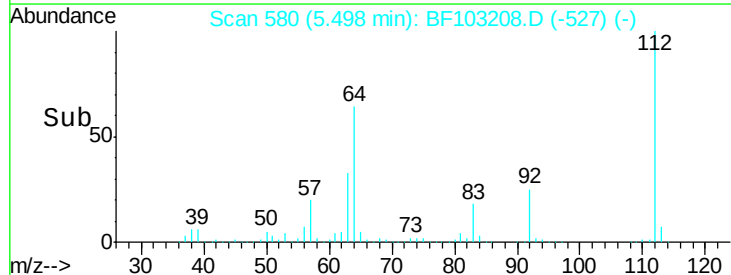
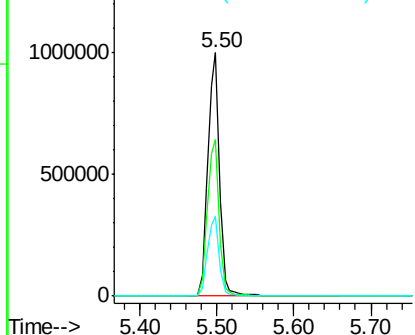
#5

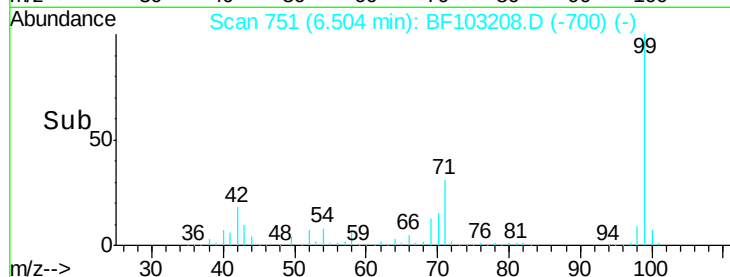
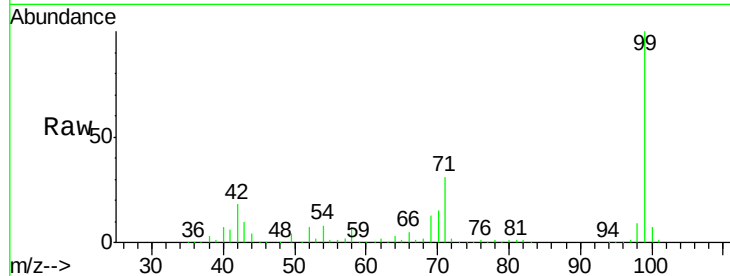
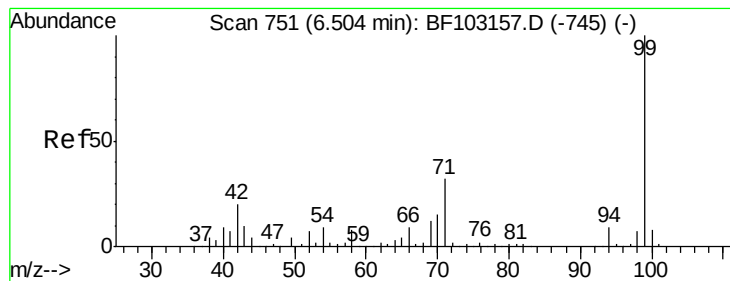
2-Fluorophenol
Concen: 108.946 ng
RT: 5.50 min Scan# 580
Delta R.T. 0.01 min
Lab File: BF103208.D
Acq: 26 Feb 2018 10:34

Tgt Ion:112 Resp: 1043778
Ion Ratio Lower Upper
112 100
64 64.3 47.9 71.9
63 32.5 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: 105.064 ng

RT: 6.50 min Scan# 751

Delta R.T. -0.00 min

Lab File: BF103208.D

Acq: 26 Feb 2018 10:34

Instrument :

BNA_F

ClientSampled :

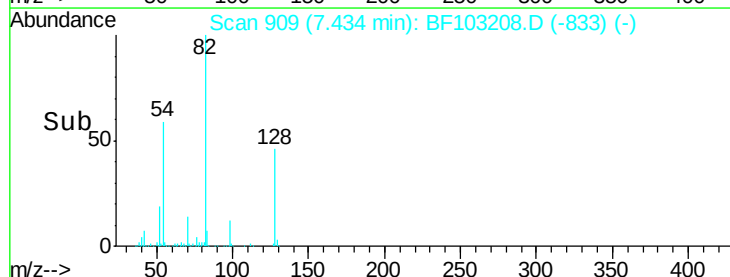
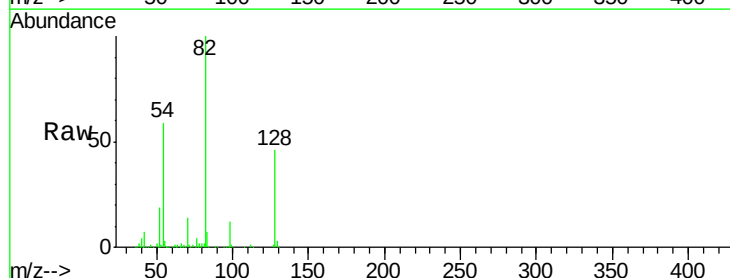
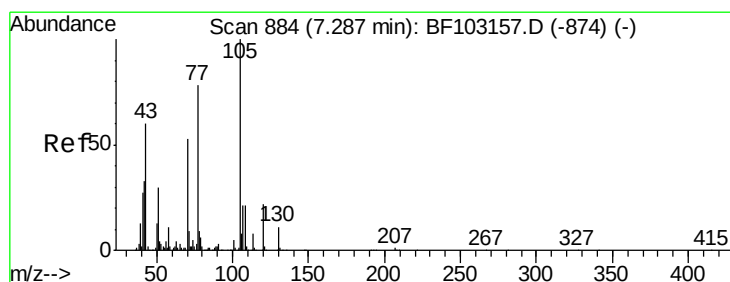
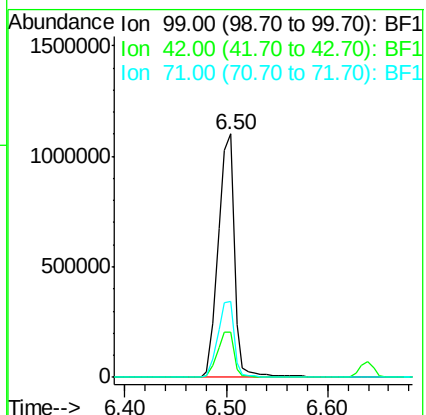
Tot Ion: 99 Resp: 1231707

Ion Ratio Lower Upper

99 100

42 18.3 14.5 21.7

71 31.4 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 14.840 ng

RT: 7.43 min Scan# 909

Delta R.T. 0.15 min

Lab File: BF103208.D

Acq: 26 Feb 2018 10:34

Tgt Ion: 70 Resp: 108274

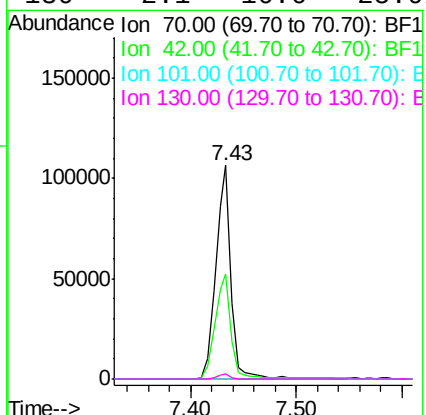
Ion Ratio Lower Upper

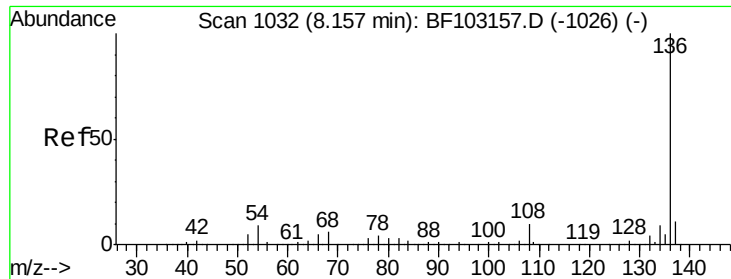
70 100

42 49.3 47.5 71.3

101 0.0 7.4 11.2#

130 2.1 16.6 25.0#

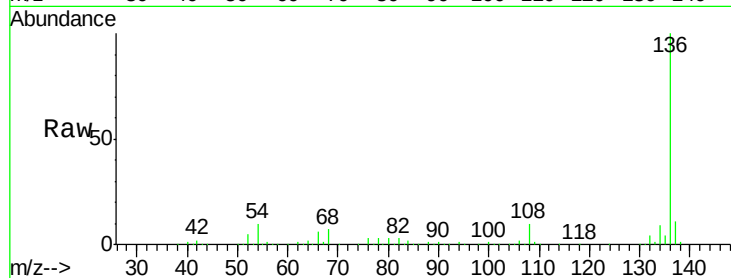




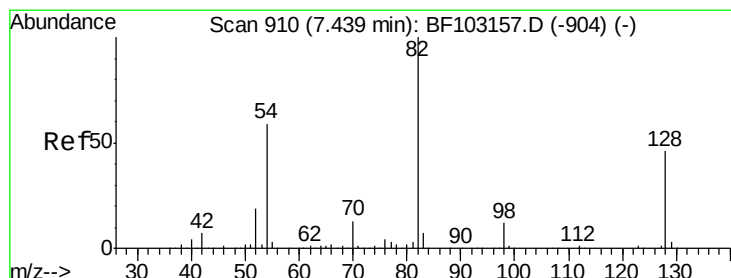
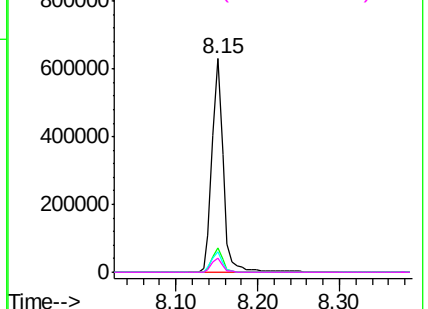
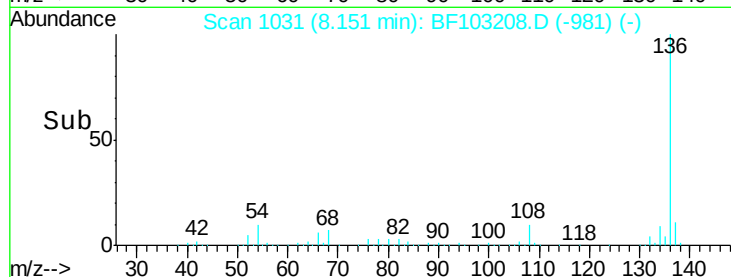
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.15 min Scan# 1031
Delta R.T. -0.01 min
Lab File: BF103208.D
Acq: 26 Feb 2018 10:34

Instrument :
BNA_F
ClientSampled :

Tot Ion:136	Resp:	605629
Ion	Ratio	Lower Upper
136	100	
137	11.2	8.9 13.3
54	9.6	6.6 9.8
68	6.5	5.0 7.4

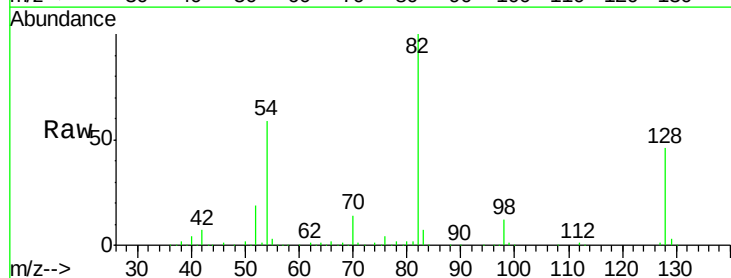


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

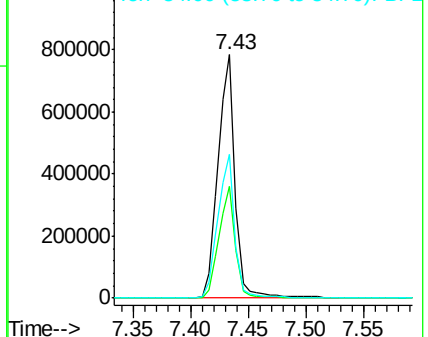
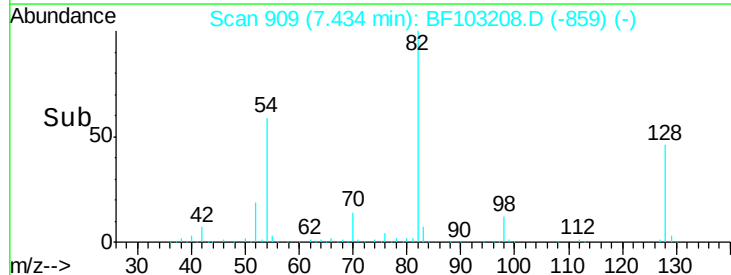


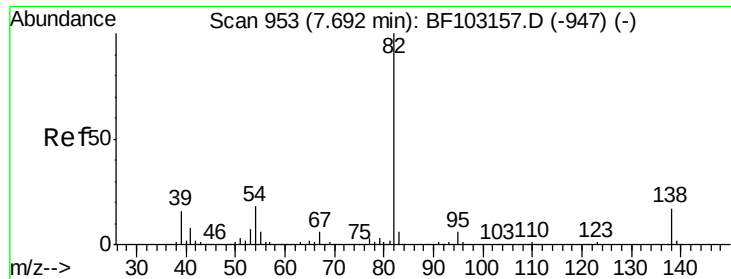
#23
Nitrobenzene-d5
Concen: 75.773 ng
RT: 7.43 min Scan# 909
Delta R.T. -0.01 min
Lab File: BF103208.D
Acq: 26 Feb 2018 10:34

Tgt Ion: 82	Resp:	803561
Ion	Ratio	Lower Upper
82	100	
128	45.9	36.1 54.1
54	59.1	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: 38.478 ng

RT: 7.43 min Scan# 909

Delta R.T. -0.26 min

Lab File: BF103208.D

Acq: 26 Feb 2018 10:34

Instrument :

BNA_F

ClientSampleId :

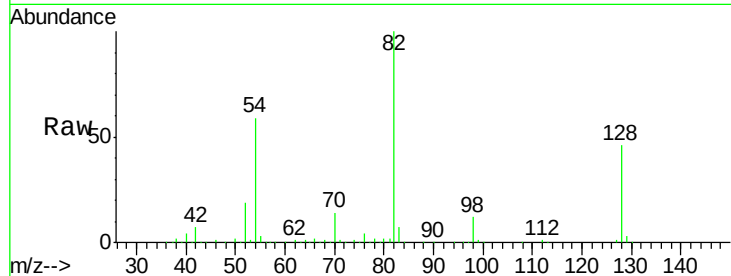
Tot Ion: 82 Resp: 803660

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

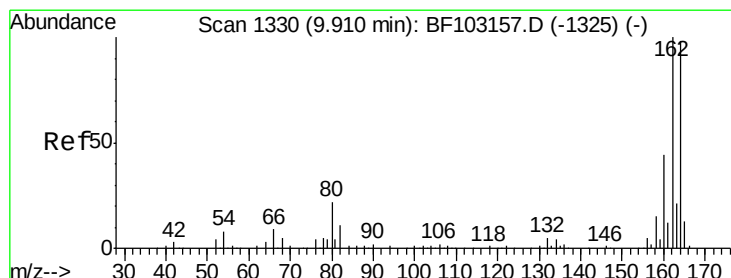
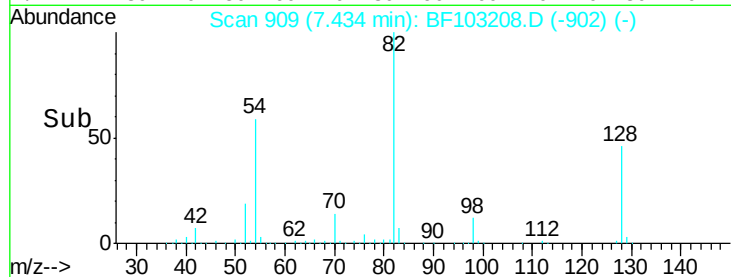
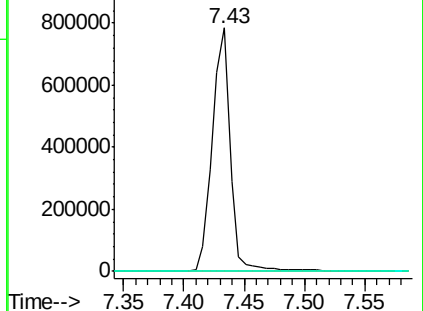
138 0.0 14.9 22.3#



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: 9.90 min Scan# 1329

Delta R.T. -0.01 min

Lab File: BF103208.D

Acq: 26 Feb 2018 10:34

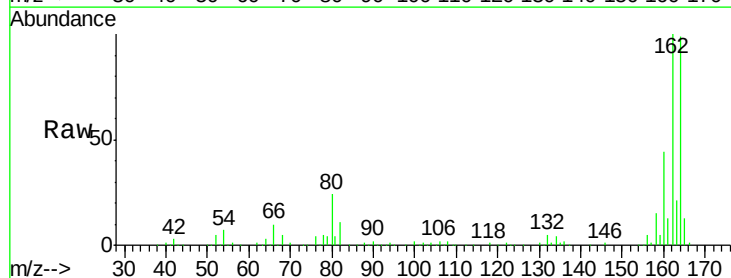
Tgt Ion: 164 Resp: 273900

Ion Ratio Lower Upper

164 100

162 101.4 86.1 129.1

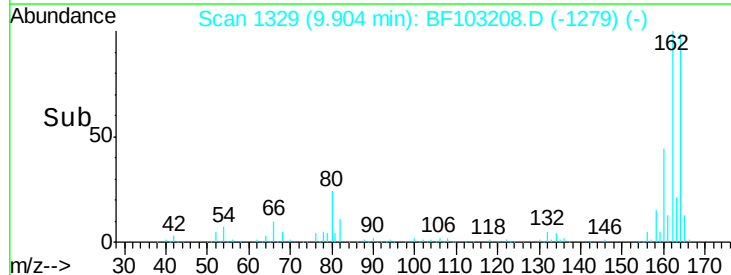
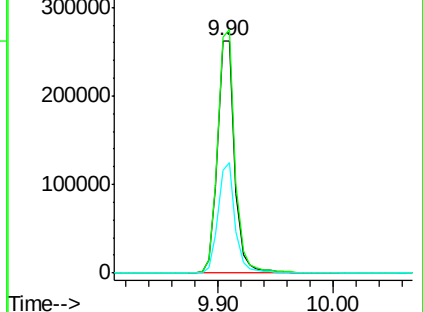
160 44.5 38.3 57.5

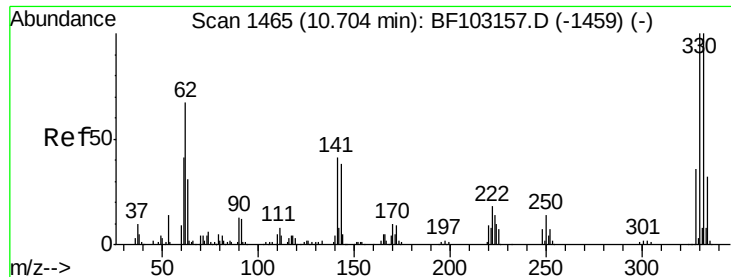


Abundance Ion 164.00 (163.70 to 164.70): BF1

Ion 162.00 (161.70 to 162.70): BF1

Ion 160.00 (159.70 to 160.70): BF1

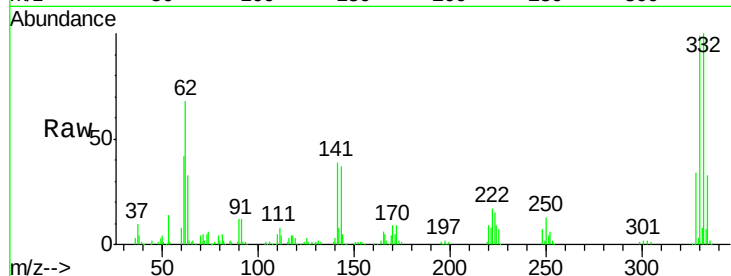




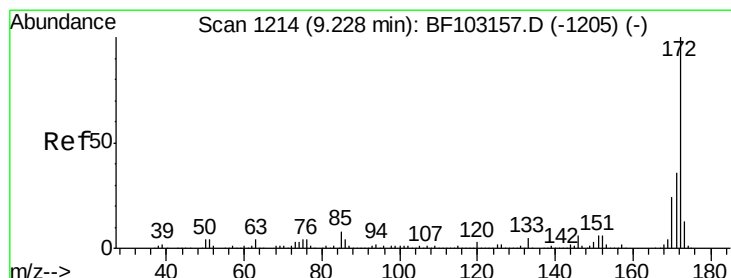
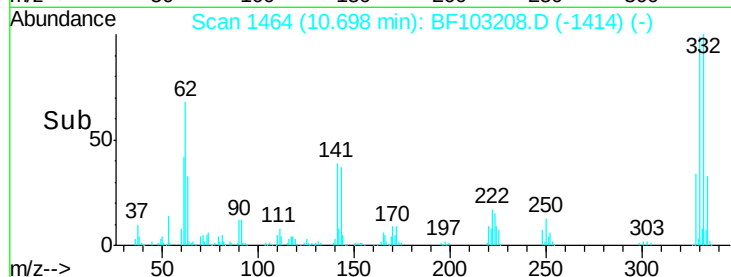
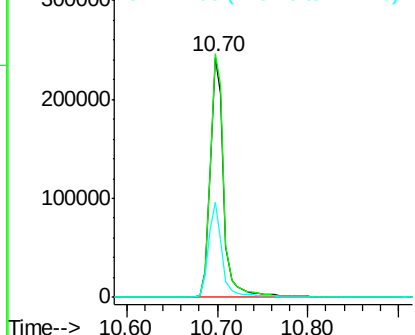
#41
 2,4,6-Tribromophenol
 Concen: 111.255 ng
 RT: 10.70 min Scan# 1464
 Delta R.T. -0.01 min
 Lab File: BF103208.D
 Acq: 26 Feb 2018 10:34

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 257934
 Ion Ratio Lower Upper
 330 100
 332 101.6 77.0 115.6
 141 40.2 29.9 44.9

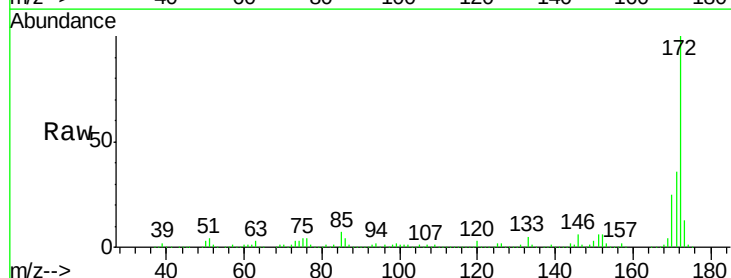


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

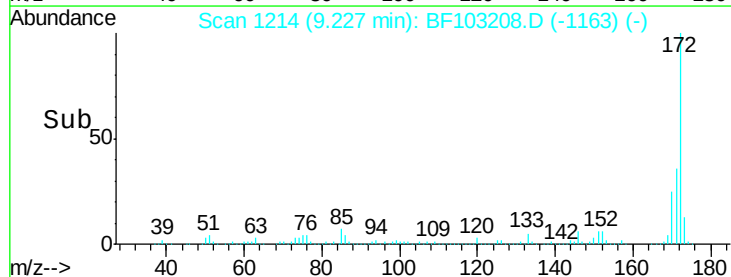
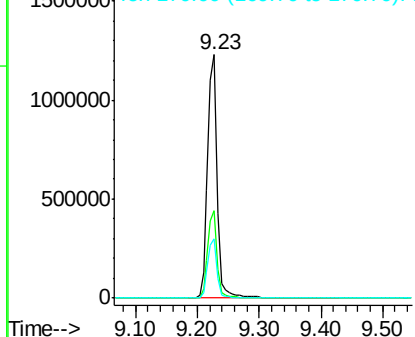


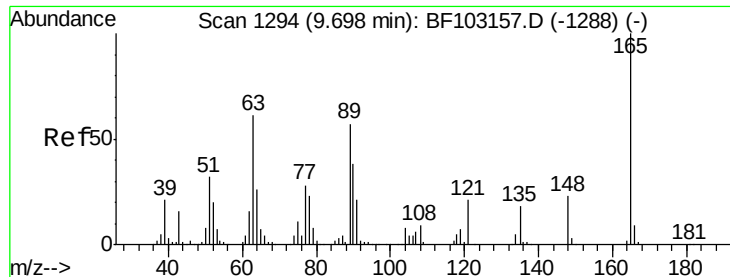
#44
 2-Fluorobiphenyl
 Concen: 82.177 ng
 RT: 9.23 min Scan# 1214
 Delta R.T. 0.00 min
 Lab File: BF103208.D
 Acq: 26 Feb 2018 10:34

Tgt Ion:172 Resp: 1317153
 Ion Ratio Lower Upper
 172 100
 171 35.9 29.7 44.5
 170 24.6 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

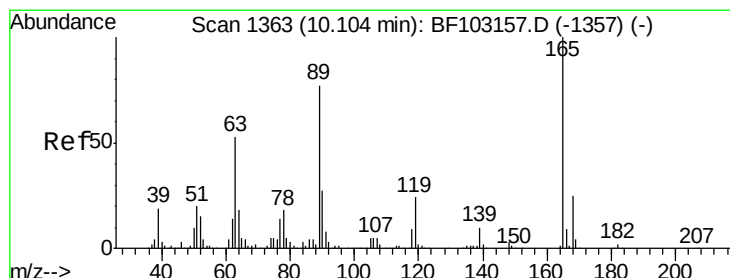
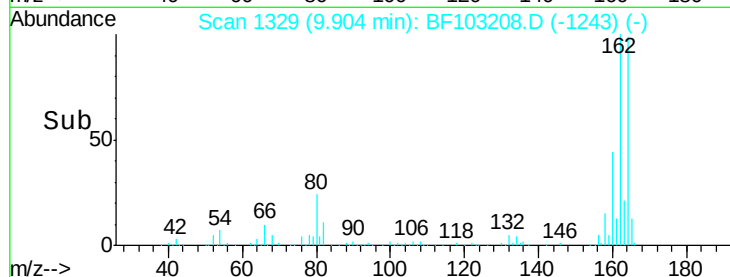
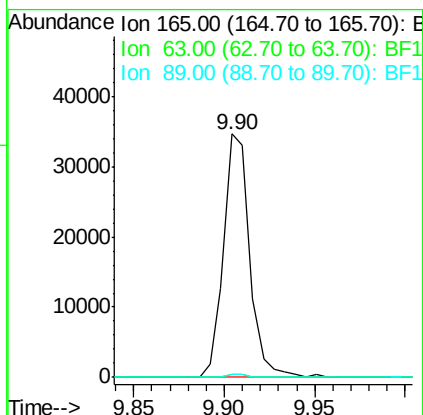
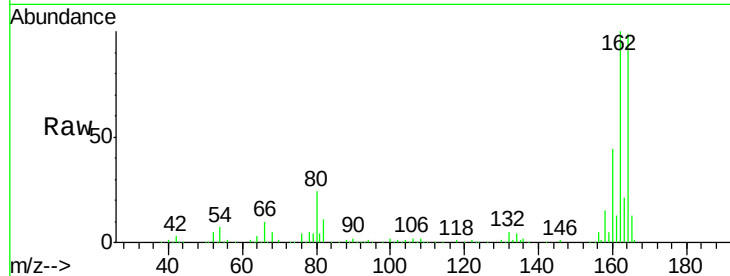




#50
 2,6-Dinitrotoluene
 Concen: 7.558 ng
 RT: 9.90 min Scan# 1329
 Delta R.T. 0.21 min
 Lab File: BF103208.D
 Acq: 26 Feb 2018 10:34

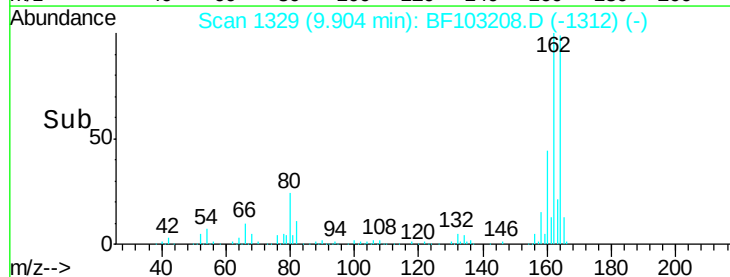
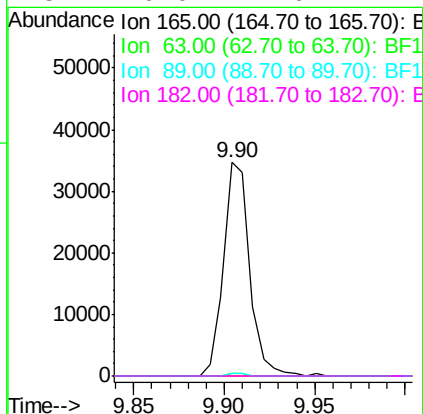
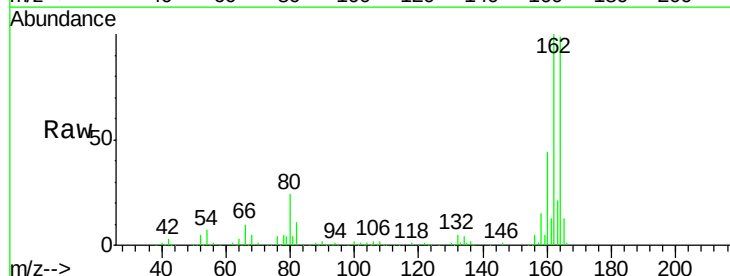
Instrument :
 BNA_F
 ClientSampleId :

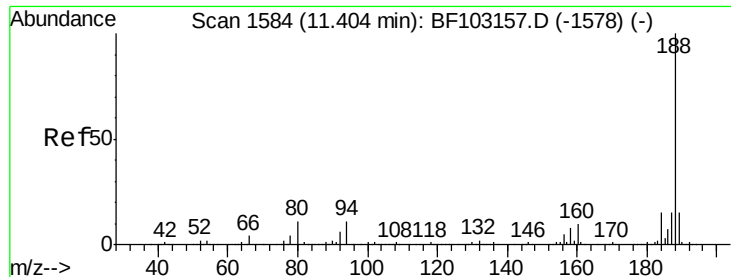
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.4	44.7	67.1#
89	1.3	44.0	66.0#



#56
 2,4-Dinitrotoluene
 Concen: 5.976 ng
 RT: 9.90 min Scan# 1329
 Delta R.T. -0.20 min
 Lab File: BF103208.D
 Acq: 26 Feb 2018 10:34

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.4	36.4	54.6#
89	1.3	57.8	86.6#
182	0.0	1.6	2.4#





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.40 min Scan# 1583

Delta R.T. -0.01 min

Lab File: BF103208.D

Acq: 26 Feb 2018 10:34

Instrument :

BNA_F

ClientSampleId :

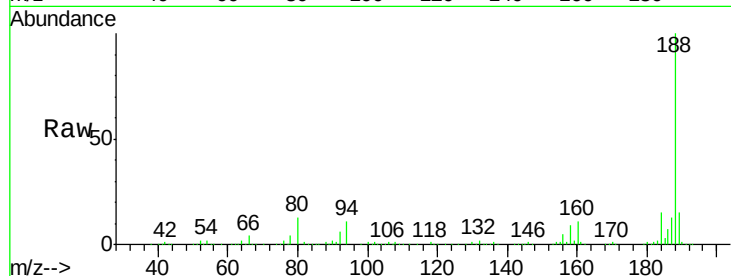
Tot Ion:188 Resp: 501031

Ion Ratio Lower Upper

188 100

94 11.4 8.5 12.7

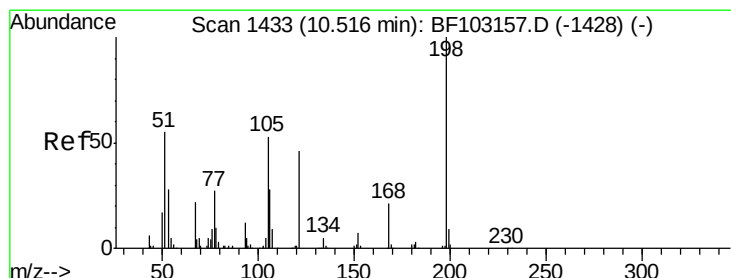
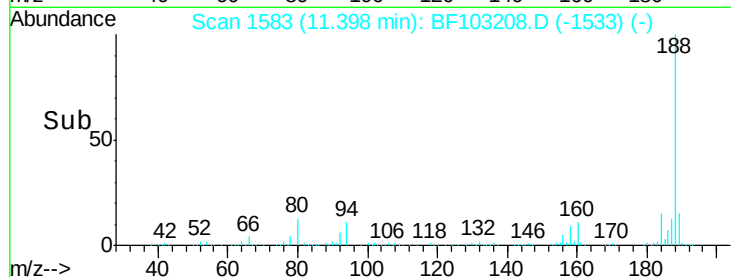
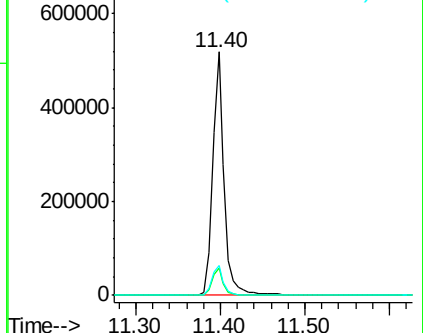
80 12.5 9.2 13.8



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: 5.125 ng

RT: 10.70 min Scan# 1464

Delta R.T. 0.18 min

Lab File: BF103208.D

Acq: 26 Feb 2018 10:34

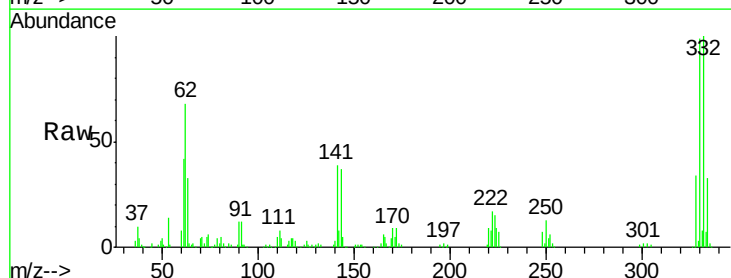
Tgt Ion:198 Resp: 609

Ion Ratio Lower Upper

198 100

51 211.4 37.7 77.7#

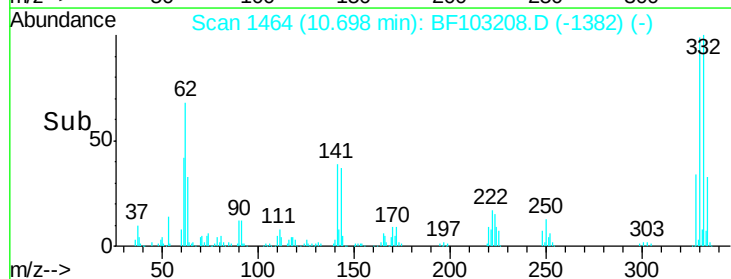
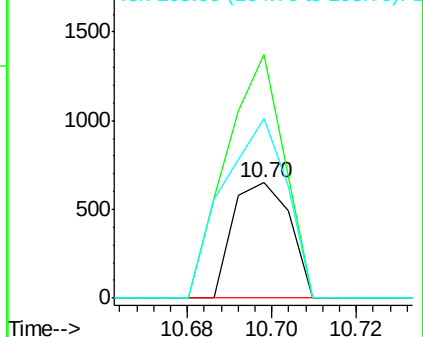
105 155.6 36.3 76.3#

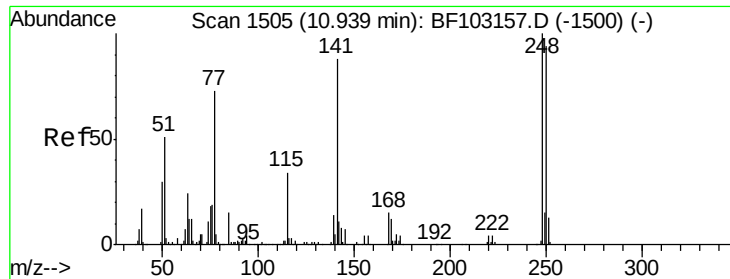


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

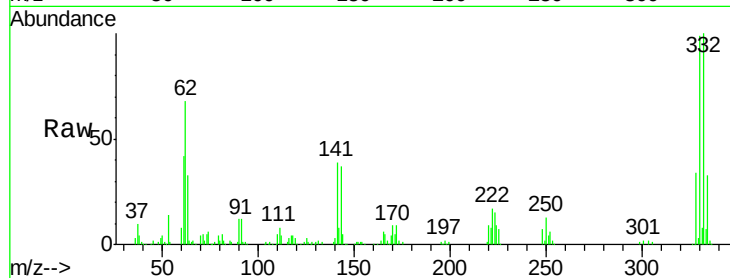




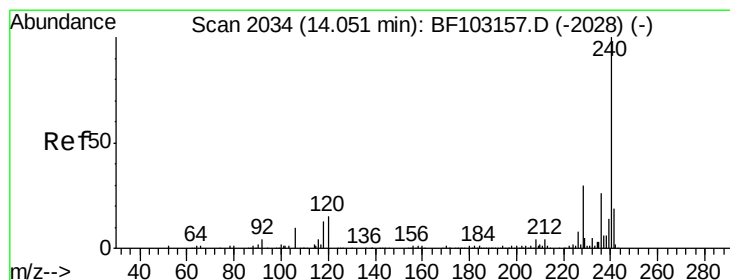
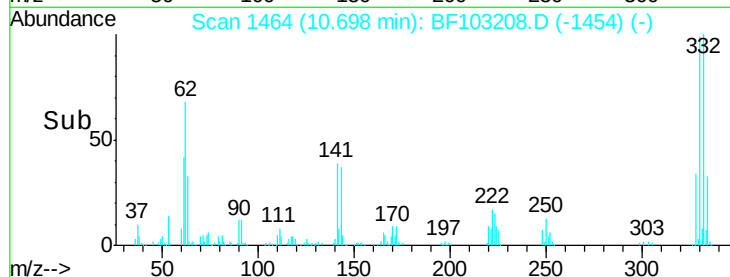
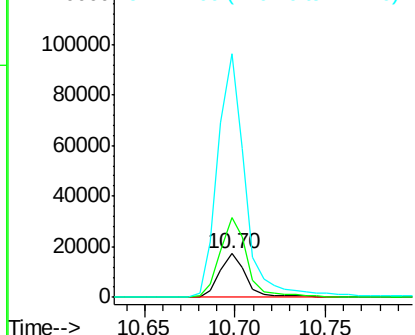
#66
4-Bromophenyl-phenylether
Concen: 3.345 ng
RT: 10.70 min Scan# 1464
Delta R.T. -0.24 min
Lab File: BF103208.D
Acq: 26 Feb 2018 10:34

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 17460
Ion Ratio Lower Upper
248 100
250 182.3 76.9 115.3#
141 557.2 74.4 111.6#

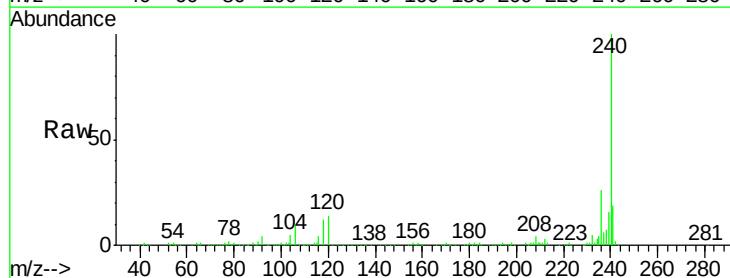


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

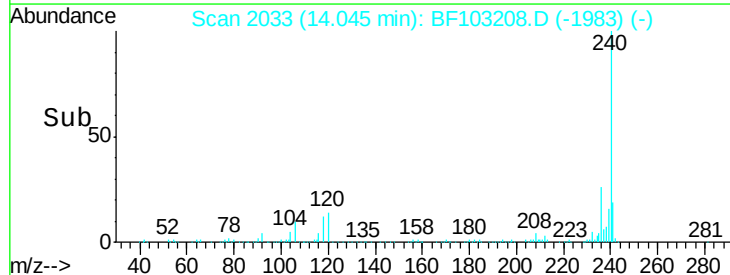
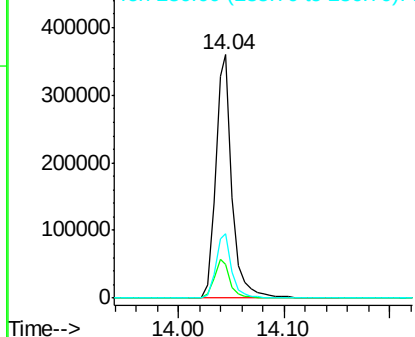


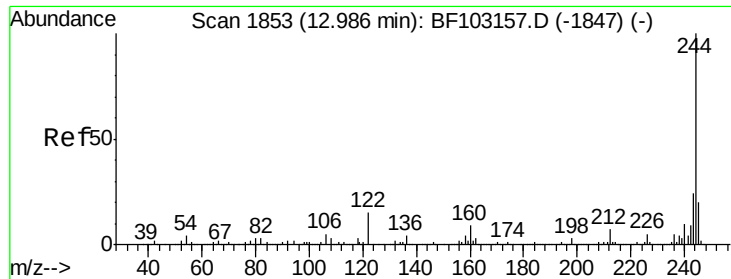
#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.04 min Scan# 2033
Delta R.T. -0.01 min
Lab File: BF103208.D
Acq: 26 Feb 2018 10:34

Tgt Ion:240 Resp: 394604
Ion Ratio Lower Upper
240 100
120 13.9 9.5 14.3
236 26.2 20.7 31.1



Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 75.231 ng

RT: 12.99 min Scan# 1853

Delta R.T. -0.00 min

Lab File: BF103208.D

Acq: 26 Feb 2018 10:34

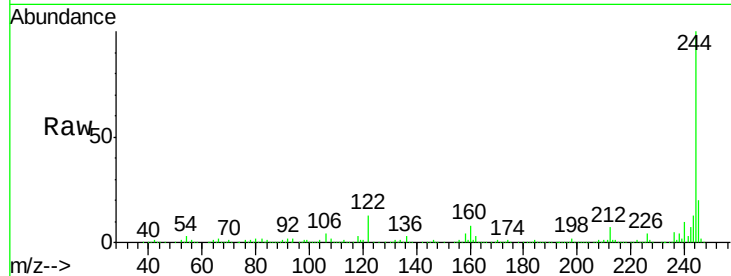
Instrument :

BNA_F

ClientSampleId :

Tot Ion:244 Resp: 1234949

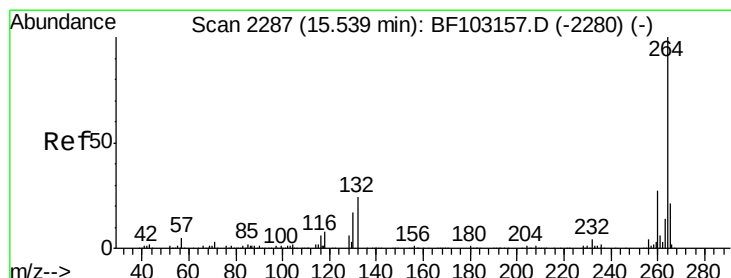
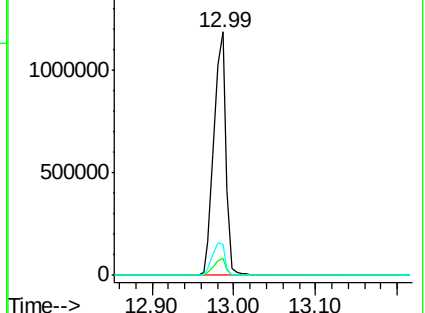
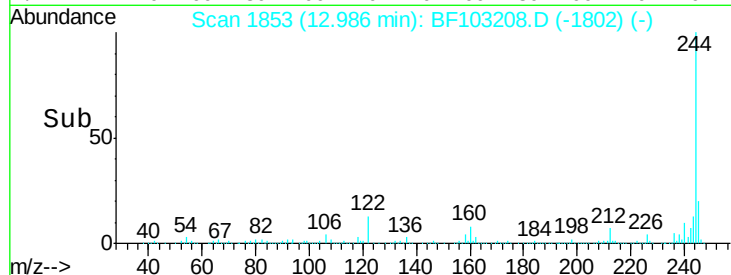
Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.4	8.0
122	13.0	11.0	16.4



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.53 min Scan# 2286

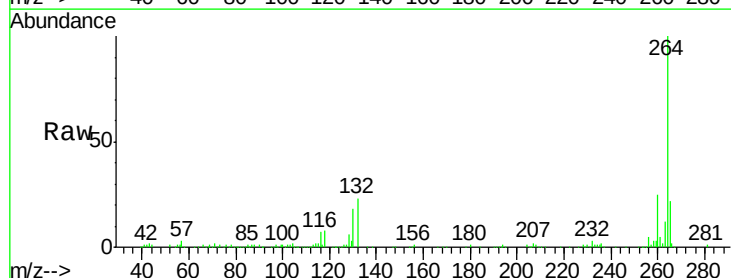
Delta R.T. -0.01 min

Lab File: BF103208.D

Acq: 26 Feb 2018 10:34

Tgt Ion:264 Resp: 328783

Ion	Ratio	Lower	Upper
264	100		
260	25.0	19.2	28.8
265	21.6	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

