

Data Path : Z:\HPCHEM1\BNA F\DATA\BF020818\
 Data File : BF102847.D
 Acq On : 8 Feb 2018 11:15
 Operator : SJ/JU
 Sample : PB106358BL
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Feb 08 12:56:36 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF020318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 05 12:44:16 2018
 Response via : Initial Calibration

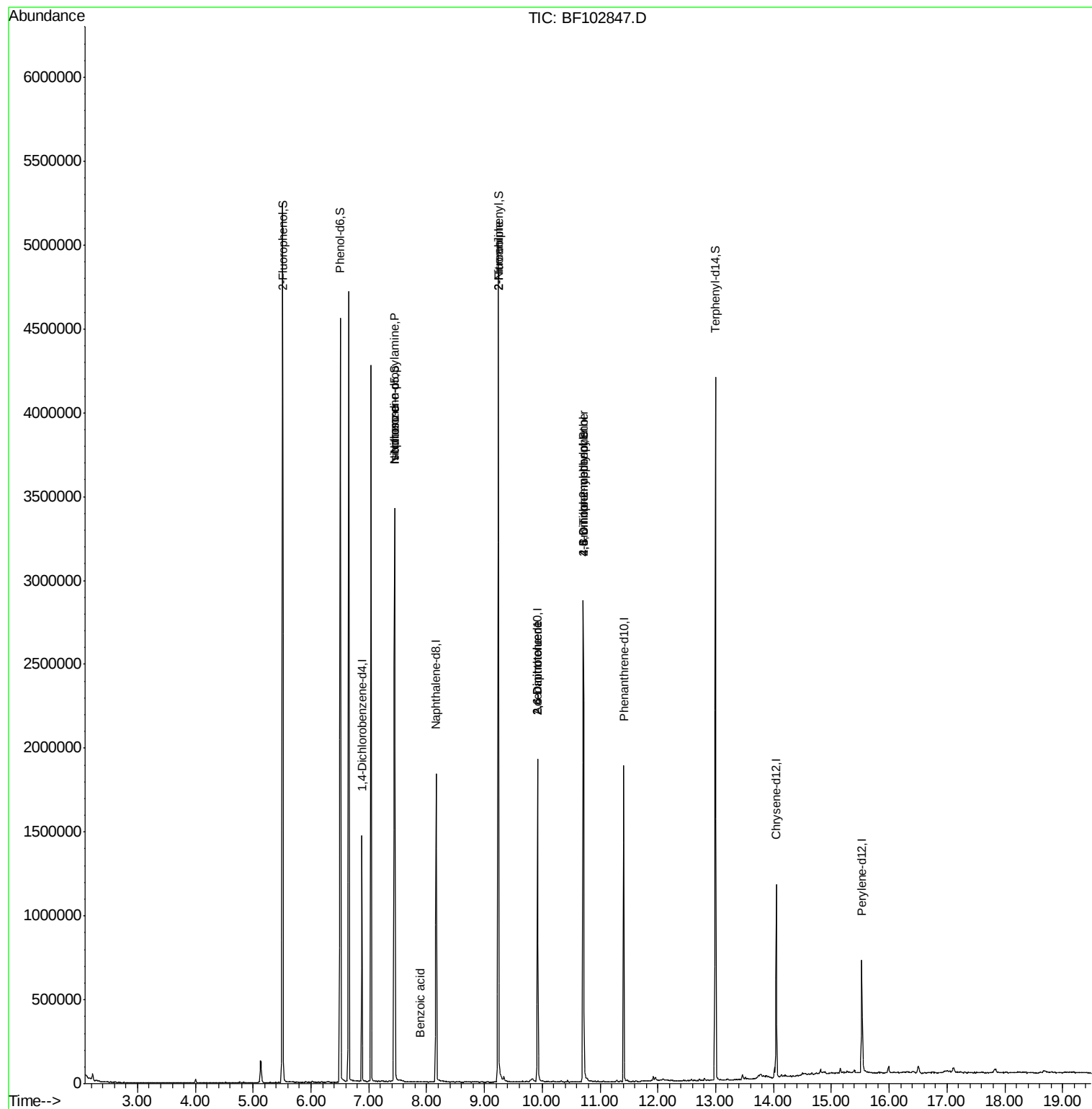
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.88	152	194293	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	825978	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	366657	20.00	ng	0.00
63) Phenanthrene-d10	11.41	188	633185	20.00	ng	0.00
75) Chrysene-d12	14.04	240	391200	20.00	ng	0.00
86) Perylene-d12	15.53	264	308302	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.51	112	1492284	116.64	ng	0.02
7) Phenol-d6	6.51	99	1778577	115.46	ng	0.00
23) Nitrobenzene-d5	7.45	82	1189132	99.87	ng	0.00
41) 2,4,6-Tribromophenol	10.71	330	334715	113.42	ng	0.00
44) 2-Fluorobiphenyl	9.24	172	1804516	81.67	ng	0.00
78) Terphenyl-d14	13.00	244	1493092	90.37	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.45	70	163228	16.071	ng	# 84
25) Isophorone	7.45	82	1189122	43.371	ng	# 64
32) Benzoic acid	7.89	122	128	8.558	ng	# 1
47) 2-Nitroaniline	9.24	65	3662	3.925	ng	# 1
50) 2,6-Dinitrotoluene	9.92	165	46905	8.624	ng	# 26
56) 2,4-Dinitrotoluene	9.92	165	46896	9.092	ng	# 24
64) 4,6-Dinitro-2-methylphenol	10.71	198	791	9.070	ng	# 1
66) 4-Bromophenyl-phenylether	10.71	248	23104	3.449	ng	# 1

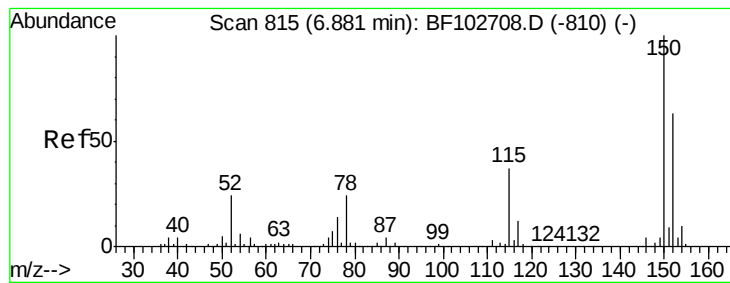
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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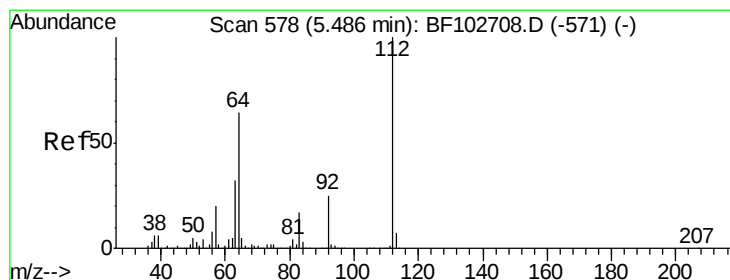
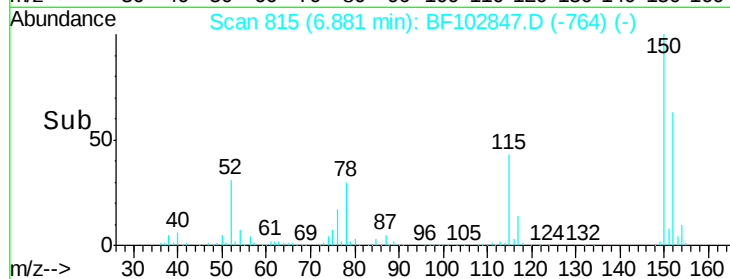
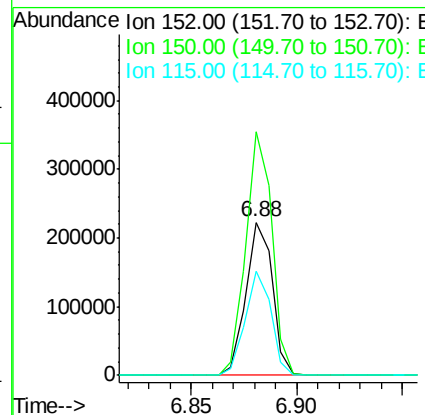
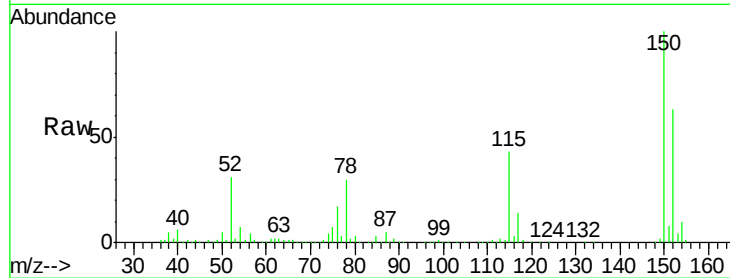


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.88 min Scan# 815
Delta R.T. 0.00 min
Lab File: BF102847.D
Acq: 8 Feb 2018 11:15

Instrument :
BNA_F
ClientSampled :

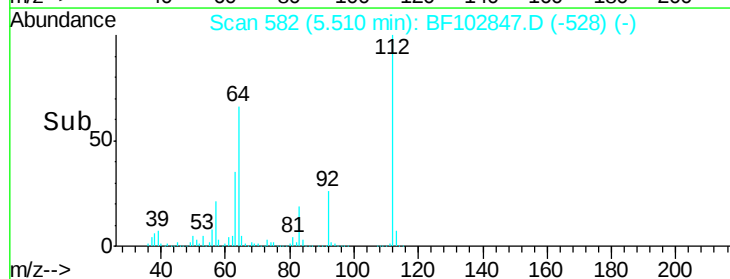
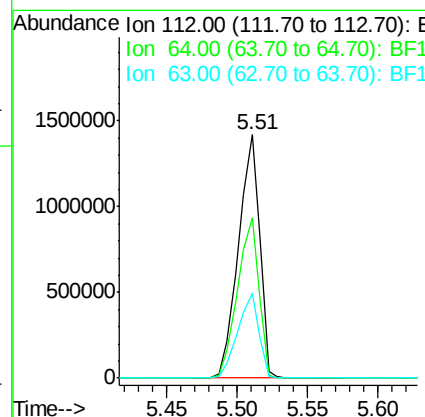
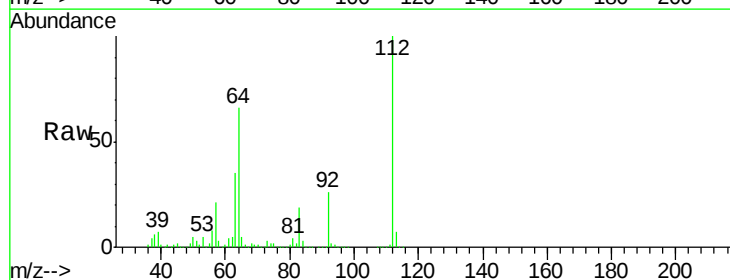
Tot Ion:152 Resp: 194293
Ion Ratio Lower Upper
152 100
150 158.8 124.6 186.8
115 68.3 50.1 75.1



#5

2-Fluorophenol
Concen: 116.643 ng
RT: 5.51 min Scan# 582
Delta R.T. 0.02 min
Lab File: BF102847.D
Acq: 8 Feb 2018 11:15

Tgt Ion:112 Resp: 1492284
Ion Ratio Lower Upper
112 100
64 66.0 47.9 71.9
63 34.6 23.7 35.5





#7

Phenol-d6

Concen: 115.459 ng

RT: 6.51 min Scan# 752

Delta R.T. 0.01 min

Lab File: BF102847.D

Acq: 8 Feb 2018 11:15

Instrument :

BNA_F

ClientSampleId :

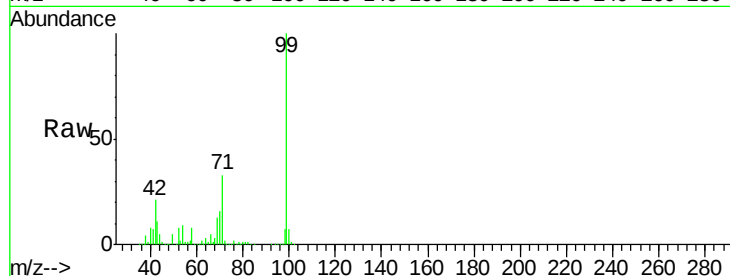
Tot Ion: 99 Resp: 1778577

Ion Ratio Lower Upper

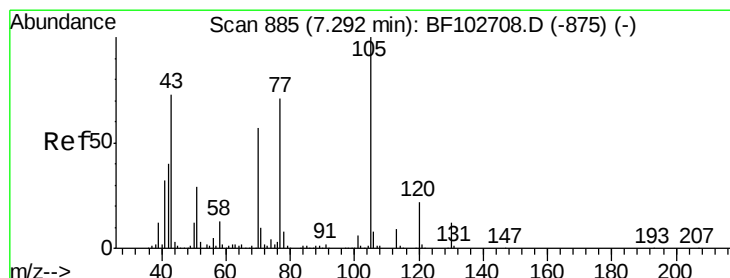
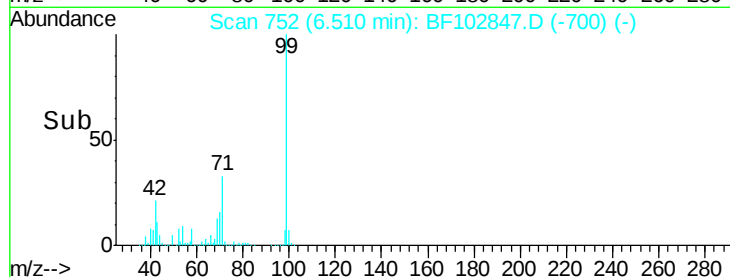
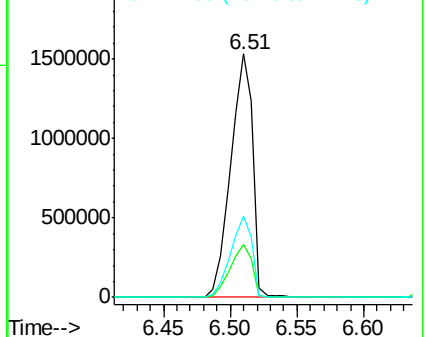
99 100

42 21.5 14.5 21.7

71 33.4 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: 16.071 ng

RT: 7.45 min Scan# 911

Delta R.T. 0.15 min

Lab File: BF102847.D

Acq: 8 Feb 2018 11:15

Tgt Ion: 70 Resp: 163228

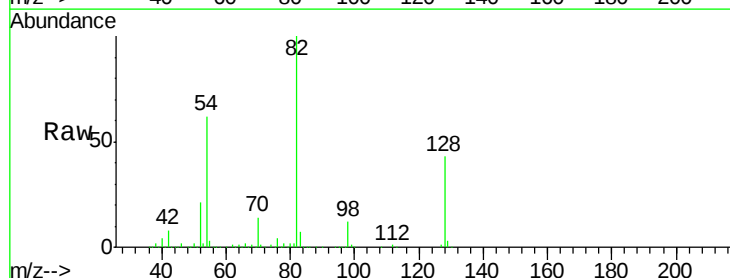
Ion Ratio Lower Upper

70 100

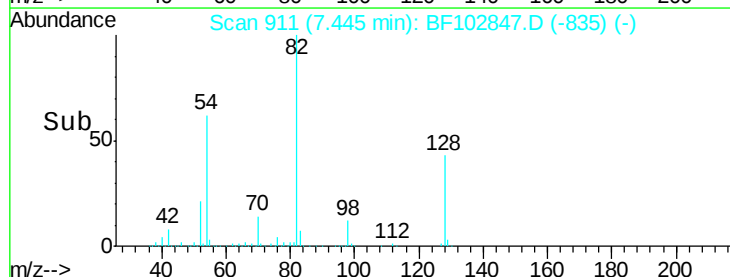
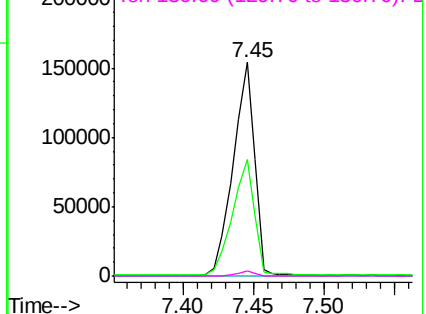
42 54.6 47.5 71.3

101 0.0 7.4 11.2#

130 2.1 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

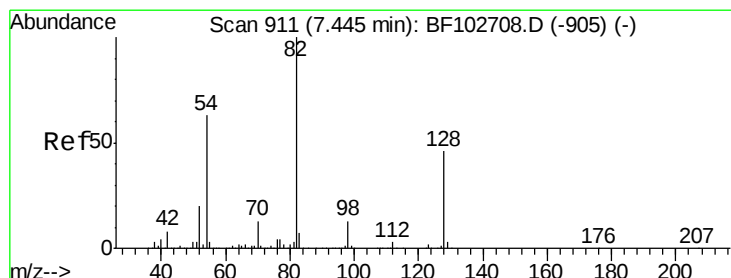
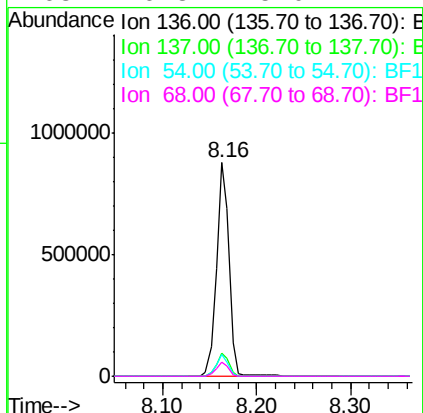
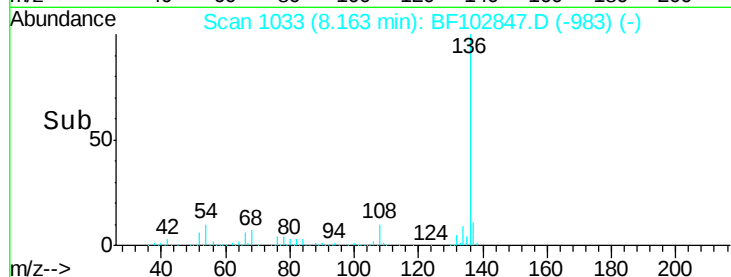
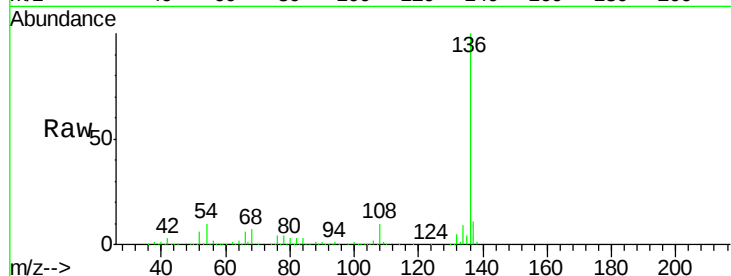




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.16 min Scan# 1033
Delta R.T. -0.01 min
Lab File: BF102847.D
Acq: 8 Feb 2018 11:15

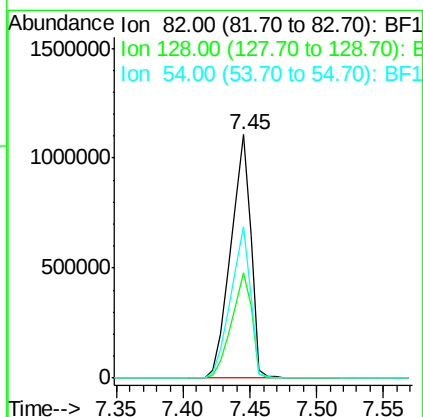
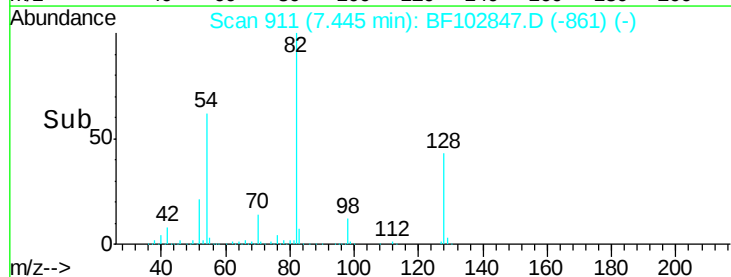
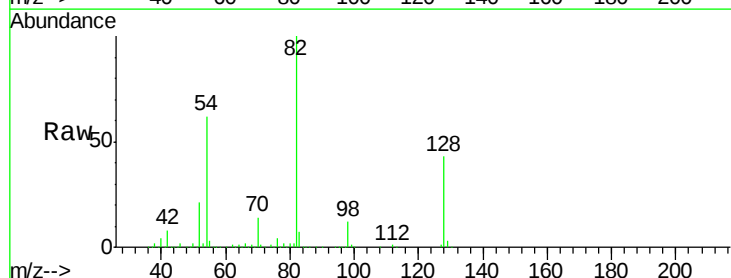
Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	825978
Ion Ratio	Lower	Upper
136	100	
137	10.9	8.9 13.3
54	10.0	6.6 9.8#
68	6.8	5.0 7.4



#23
Nitrobenzene-d5
Concen: 99.870 ng
RT: 7.45 min Scan# 911
Delta R.T. -0.01 min
Lab File: BF102847.D
Acq: 8 Feb 2018 11:15

Tgt Ion: 82	Resp:	1189132
Ion Ratio	Lower	Upper
82	100	
128	43.4	36.1 54.1
54	62.2	41.4 62.2#





#25

Isophorone

Concen: 43.371 ng

RT: 7.45 min Scan# 911

Delta R.T. -0.26 min

Lab File: BF102847.D

Acq: 8 Feb 2018 11:15

Instrument :

BNA_F

ClientSampled :

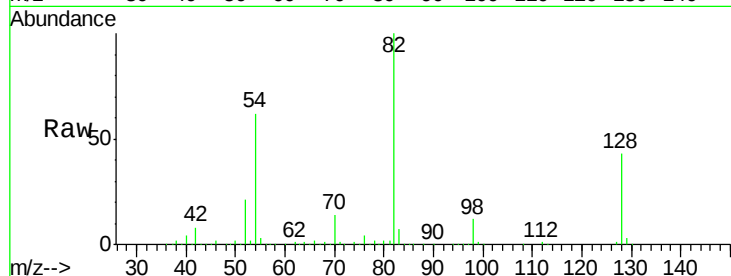
Tot Ion: 82 Resp: 1189122

Ion Ratio Lower Upper

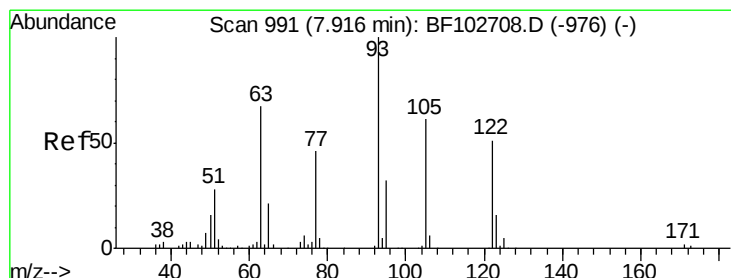
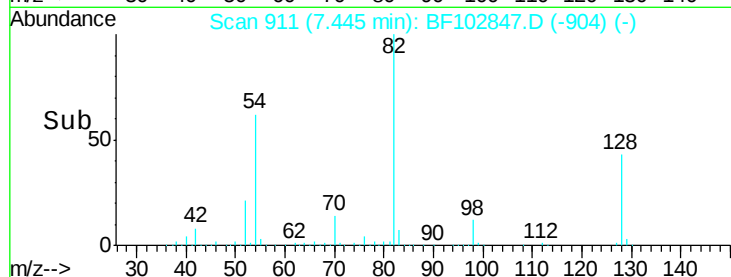
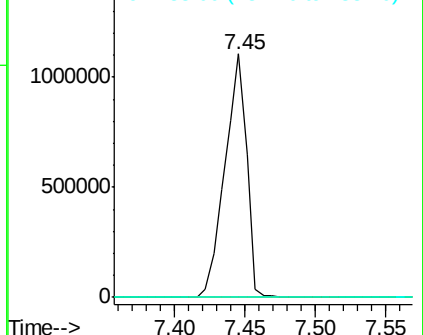
82 100

95 0.1 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



#32

Benzoic acid

Concen: 8.558 ng

RT: 7.89 min Scan# 986

Delta R.T. -0.05 min

Lab File: BF102847.D

Acq: 8 Feb 2018 11:15

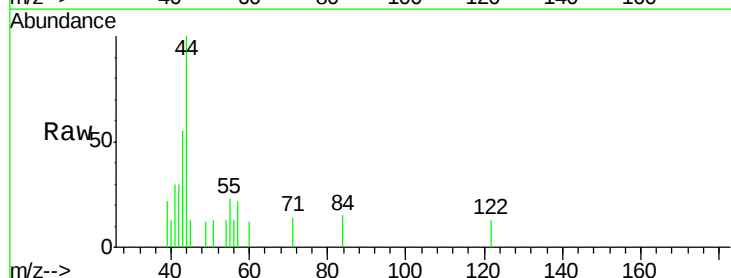
Tgt Ion: 122 Resp: 128

Ion Ratio Lower Upper

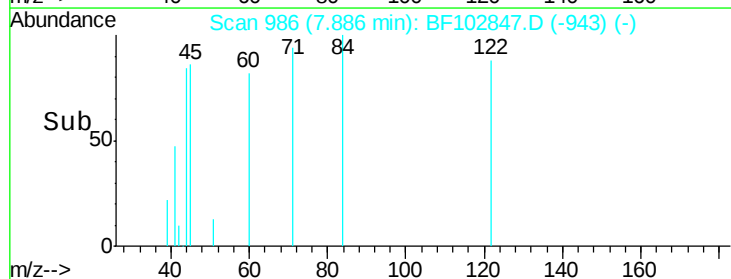
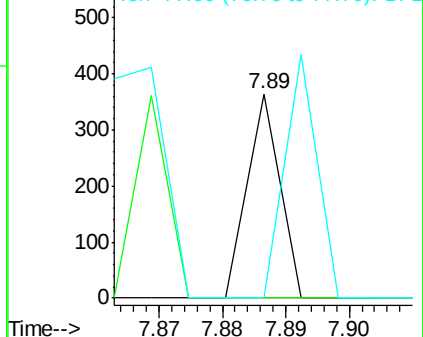
122 100

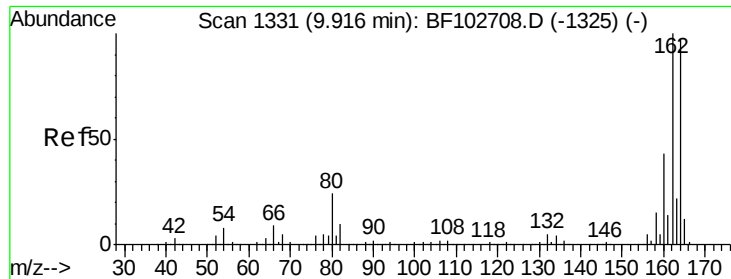
105 0.0 101.1 141.1#

77 0.0 70.7 110.7#



Abundance Ion 122.00 (121.70 to 122.70): BF1
Ion 105.00 (104.70 to 105.70): BF1
Ion 77.00 (76.70 to 77.70): BF1

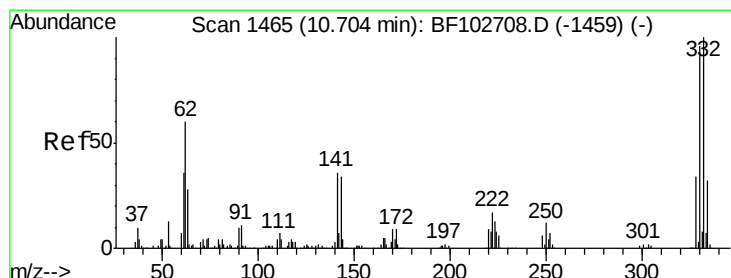
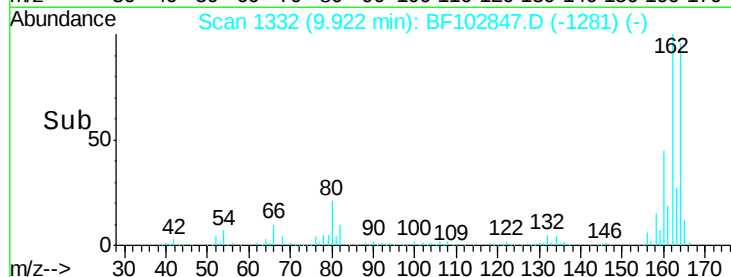
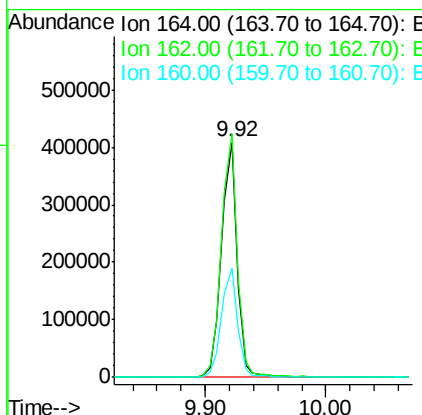
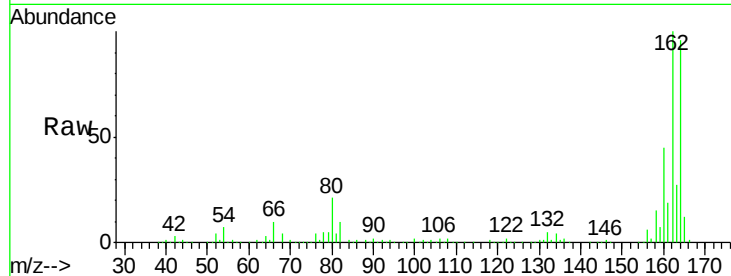




#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.92 min Scan# 1332
 Delta R.T. -0.00 min
 Lab File: BF102847.D
 Acq: 8 Feb 2018 11:15

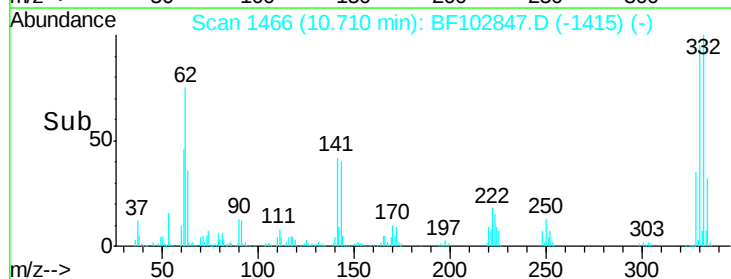
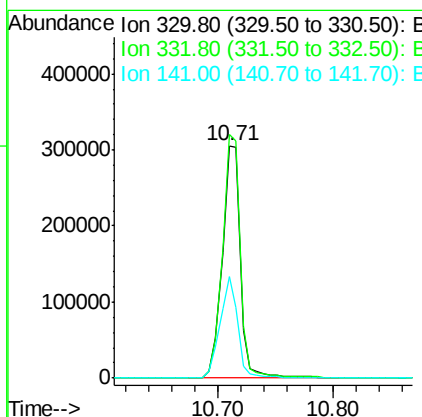
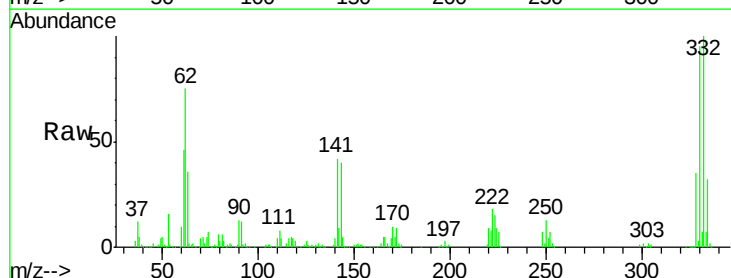
Instrument :
 BNA_F
 ClientSampleId :

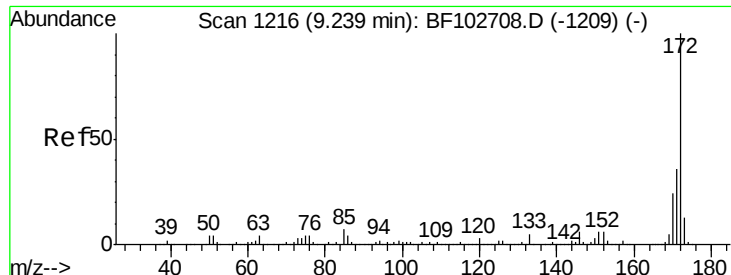
Tot Ion:164 Resp: 366657
 Ion Ratio Lower Upper
 164 100
 162 103.7 86.1 129.1
 160 46.8 38.3 57.5



#41
 2,4,6-Tribromophenol
 Concen: 113.418 ng
 RT: 10.71 min Scan# 1466
 Delta R.T. -0.00 min
 Lab File: BF102847.D
 Acq: 8 Feb 2018 11:15

Tgt Ion:330 Resp: 334715
 Ion Ratio Lower Upper
 330 100
 332 103.3 77.0 115.6
 141 42.6 29.9 44.9

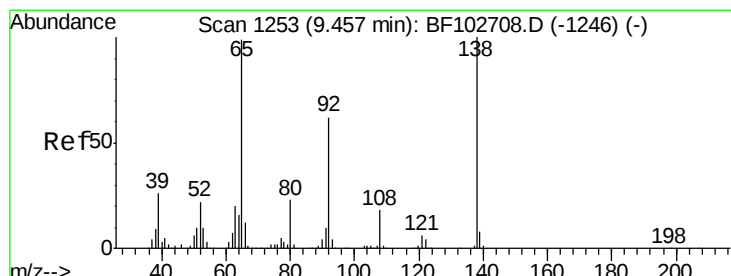
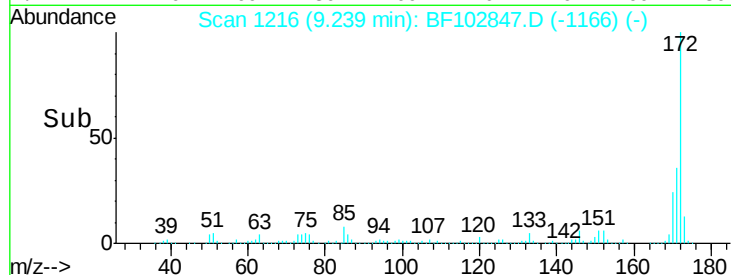
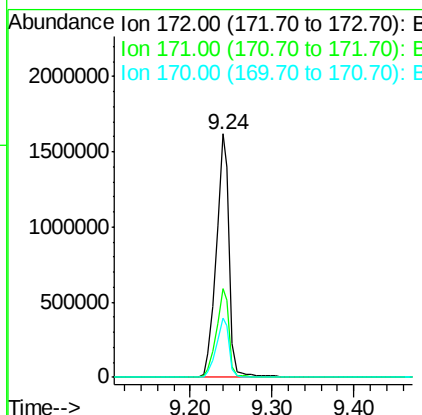
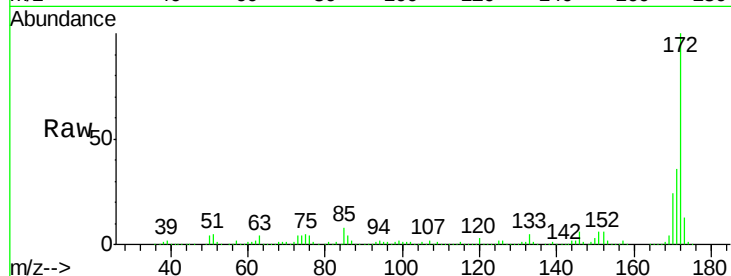




#44
 2-Fluorobiphenyl
 Concen: 81.666 ng
 RT: 9.24 min Scan# 1216
 Delta R.T. -0.01 min
 Lab File: BF102847.D
 Acq: 8 Feb 2018 11:15

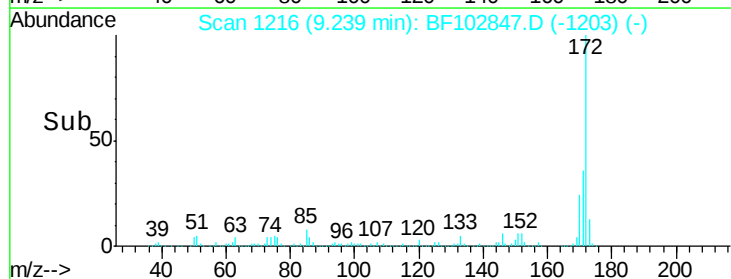
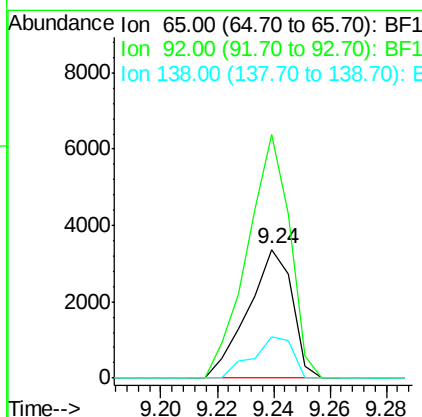
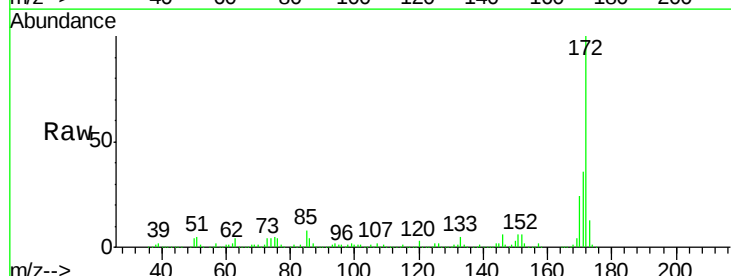
Instrument :
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 ClientSampleId :

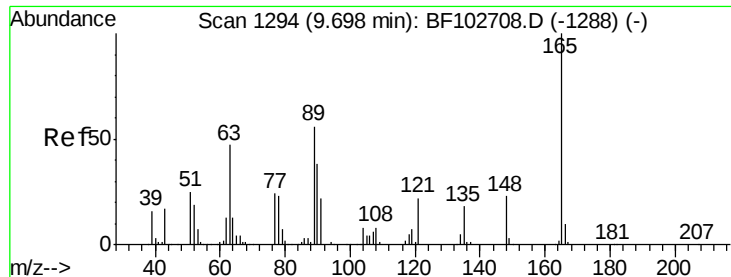
Tot Ion:172 Resp: 1804516
 Ion Ratio Lower Upper
 172 100
 171 36.2 29.7 44.5
 170 24.4 19.6 29.4



#47
 2-Nitroaniline
 Concen: 3.925 ng
 RT: 9.24 min Scan# 1216
 Delta R.T. -0.22 min
 Lab File: BF102847.D
 Acq: 8 Feb 2018 11:15

Tgt Ion: 65 Resp: 3662
 Ion Ratio Lower Upper
 65 100
 92 189.0 55.8 83.6#
 138 32.0 91.2 136.8#

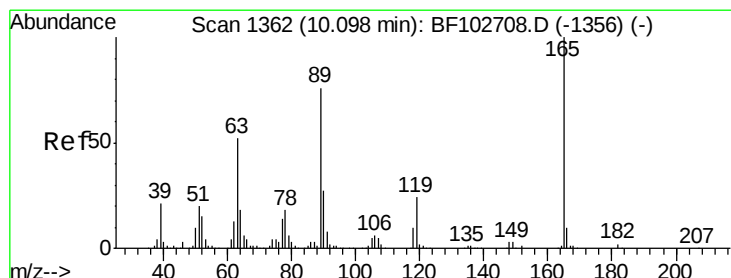
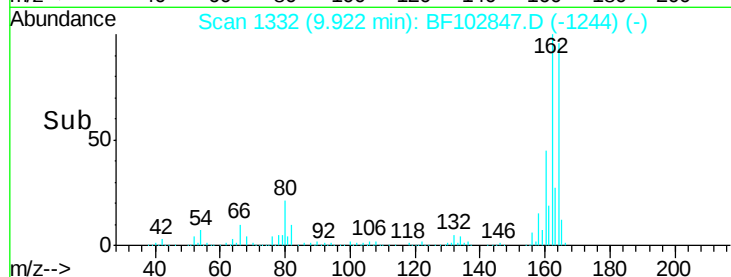
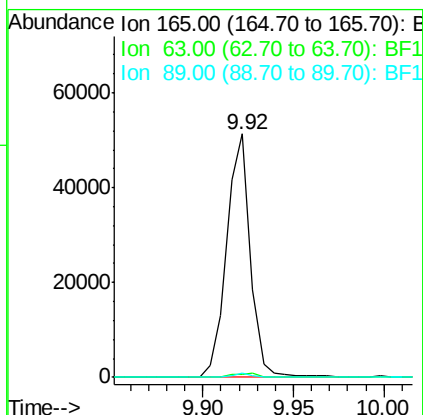
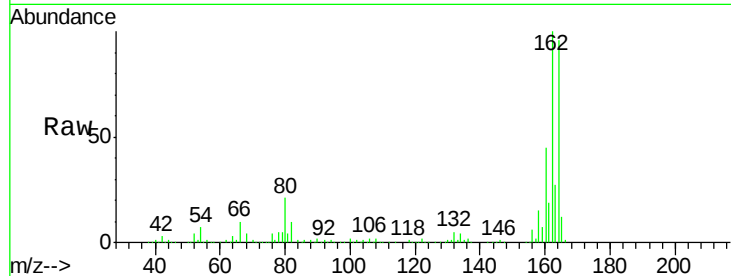




#50
 2,6-Dinitrotoluene
 Concen: 8.624 ng
 RT: 9.92 min Scan# 1332
 Delta R.T. 0.22 min
 Lab File: BF102847.D
 Acq: 8 Feb 2018 11:15

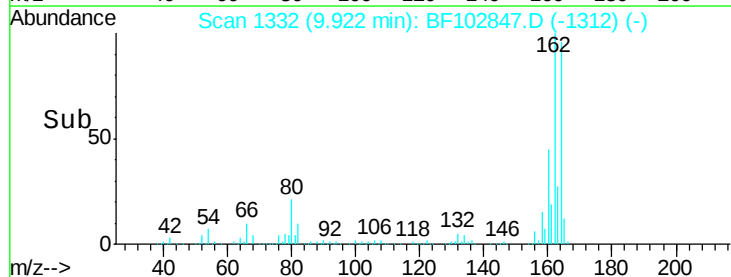
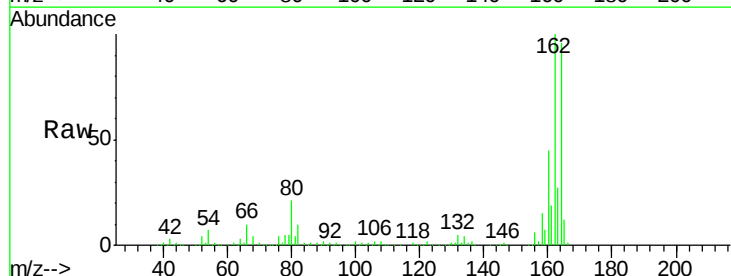
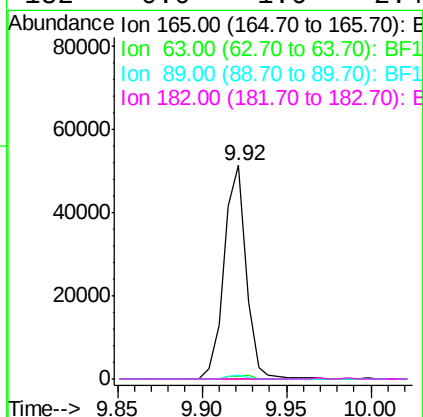
Instrument :
 BNA_F
 ClientSampleId :

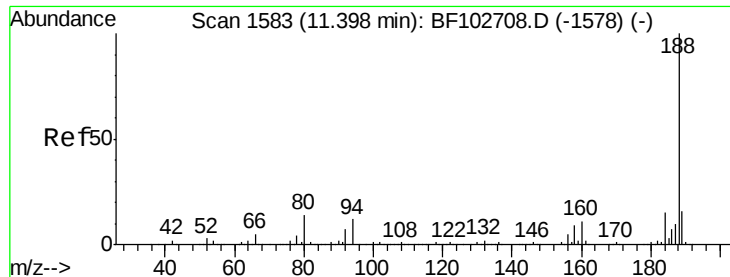
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.4	44.7	67.1#
89	1.9	44.0	66.0#



#56
 2,4-Dinitrotoluene
 Concen: 9.092 ng
 RT: 9.92 min Scan# 1332
 Delta R.T. -0.18 min
 Lab File: BF102847.D
 Acq: 8 Feb 2018 11:15

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.4	36.4	54.6#
89	1.9	57.8	86.6#
182	0.0	1.6	2.4#

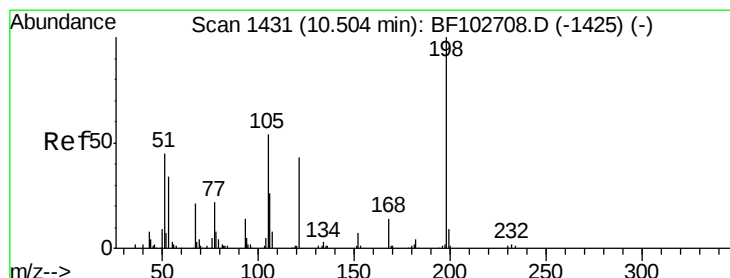
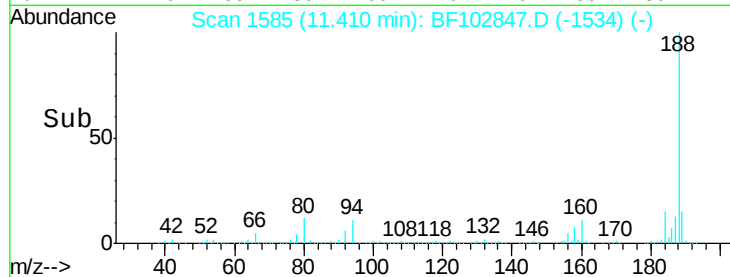
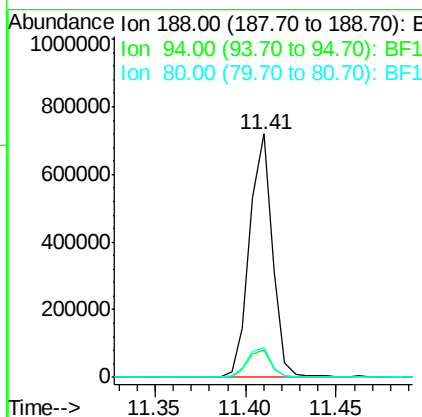
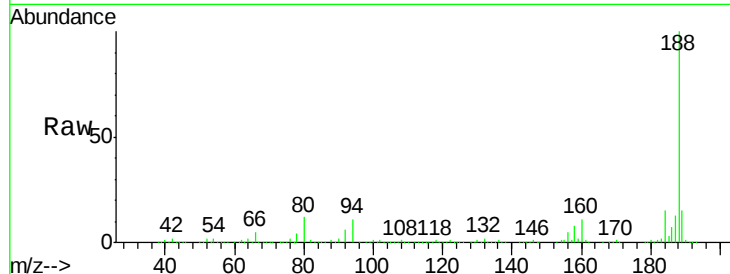




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.41 min Scan# 1585
 Delta R.T. 0.00 min
 Lab File: BF102847.D
 Acq: 8 Feb 2018 11:15

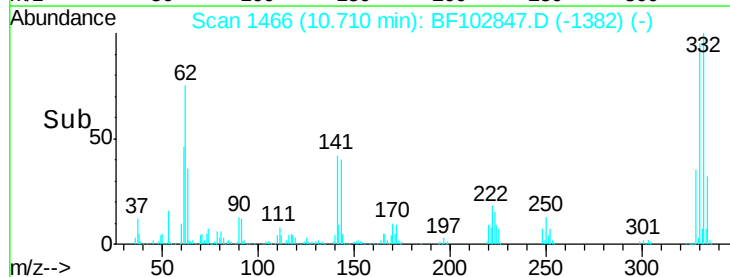
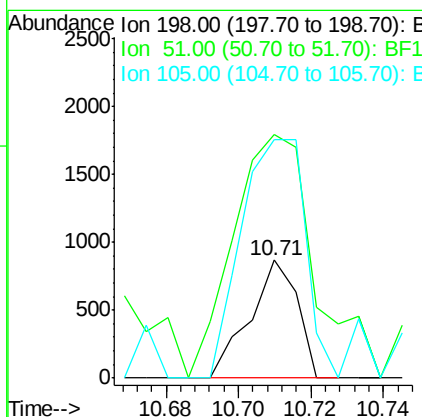
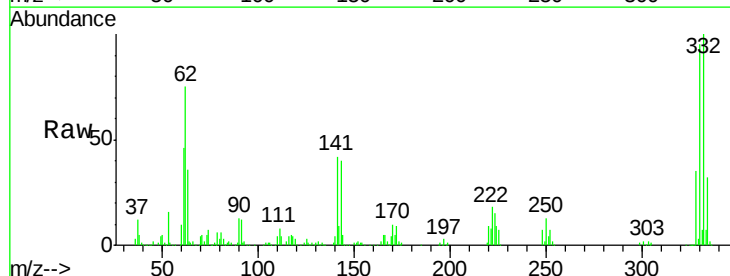
Instrument :
 BNA_F
 ClientSampled :

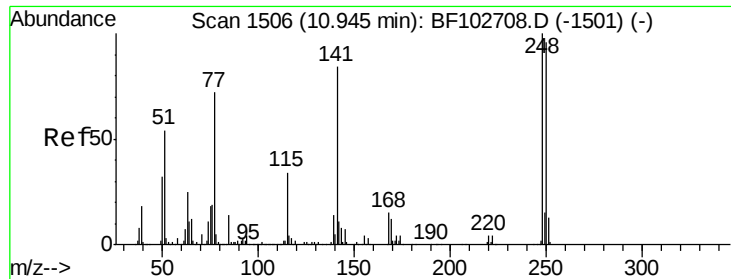
Tot Ion:188 Resp: 633185
 Ion Ratio Lower Upper
 188 100
 94 11.4 8.5 12.7
 80 12.1 9.2 13.8



#64
 4,6-Dinitro-2-methylphenol
 Concen: 9.070 ng
 RT: 10.71 min Scan# 1466
 Delta R.T. 0.19 min
 Lab File: BF102847.D
 Acq: 8 Feb 2018 11:15

Tgt Ion:198 Resp: 791
 Ion Ratio Lower Upper
 198 100
 51 206.3 37.7 77.7#
 105 202.5 36.3 76.3#

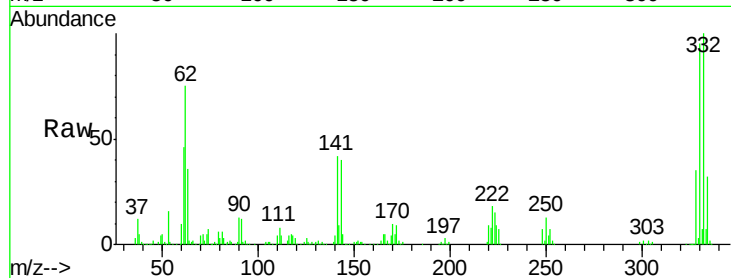




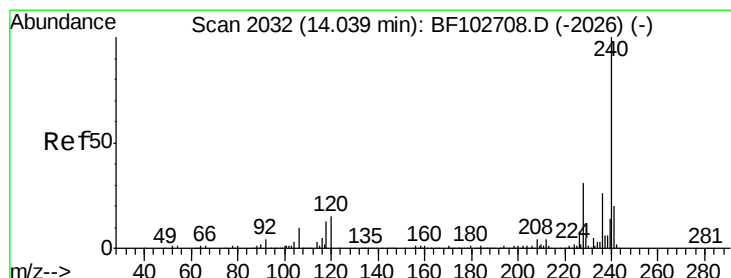
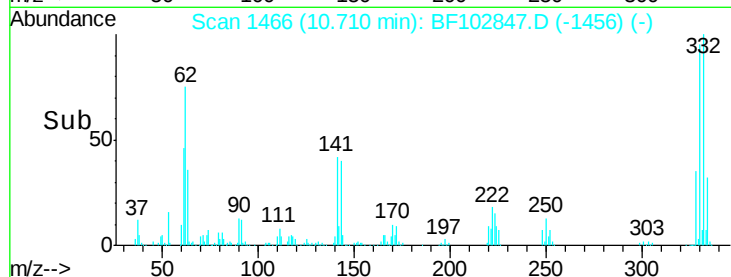
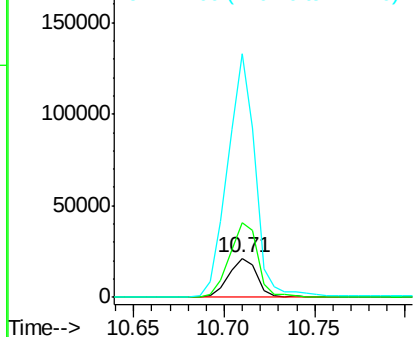
#66
 4-Bromophenyl-phenylether
 Concen: 3.449 ng
 RT: 10.71 min Scan# 1466
 Delta R.T. -0.24 min
 Lab File: BF102847.D
 Acq: 8 Feb 2018 11:15

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:248 Resp: 23104
 Ion Ratio Lower Upper
 248 100
 250 193.5 76.9 115.3#
 141 627.5 74.4 111.6#

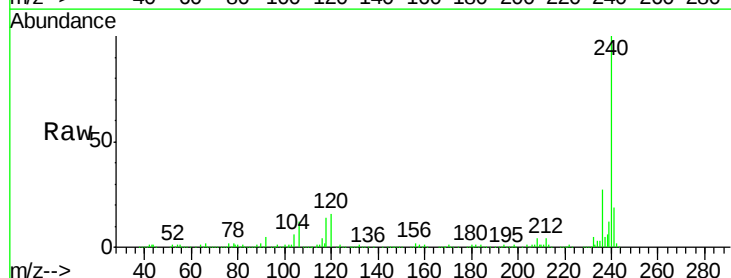


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

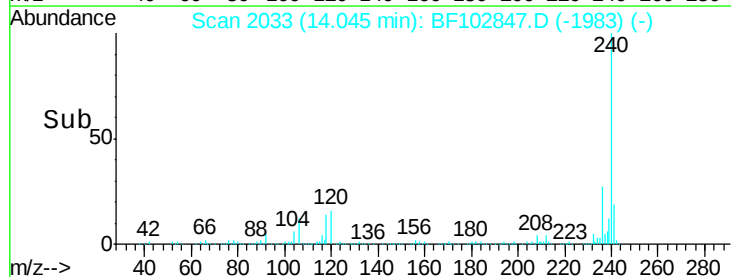
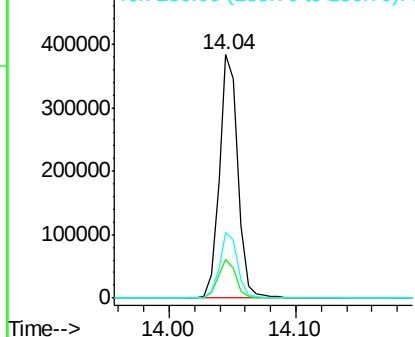


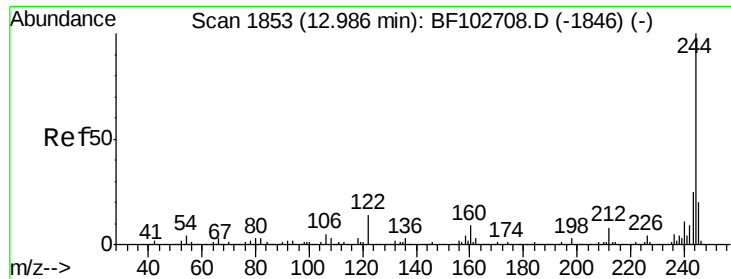
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.04 min Scan# 2033
 Delta R.T. -0.01 min
 Lab File: BF102847.D
 Acq: 8 Feb 2018 11:15

Tgt Ion:240 Resp: 391200
 Ion Ratio Lower Upper
 240 100
 120 16.0 9.5 14.3#
 236 27.1 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: 90.371 ng

RT: 13.00 min Scan# 1855

Delta R.T. -0.00 min

Lab File: BF102847.D

Acq: 8 Feb 2018 11:15

Instrument :

BNA_F

ClientSampleId :

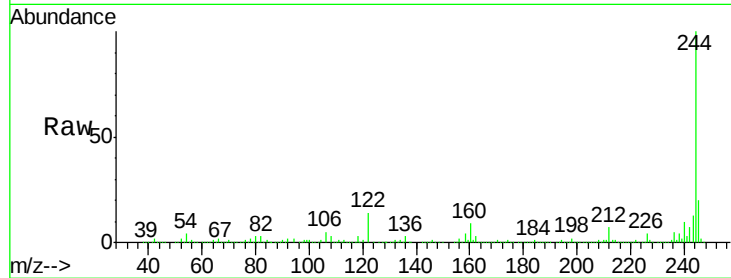
Tot Ion:244 Resp: 1493092

Ion Ratio Lower Upper

244 100

212 6.9 5.4 8.0

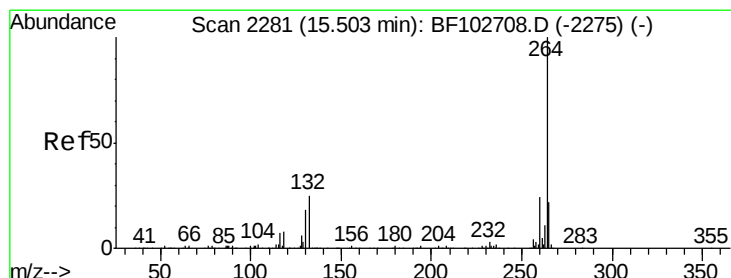
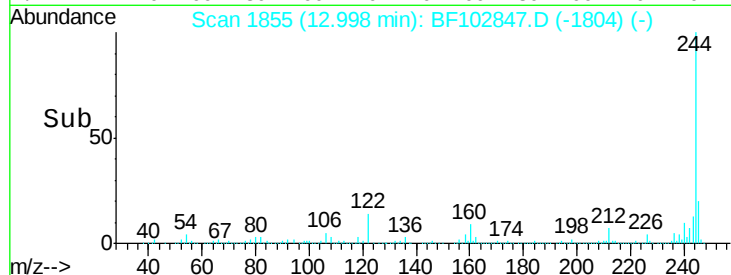
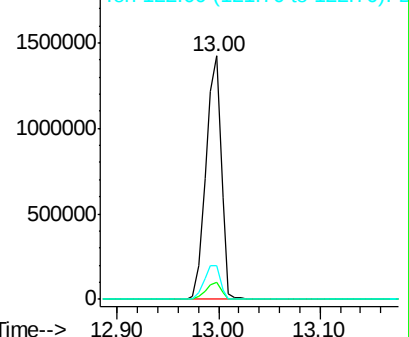
122 14.0 11.0 16.4



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# 2285

Delta R.T. -0.00 min

Lab File: BF102847.D

Acq: 8 Feb 2018 11:15

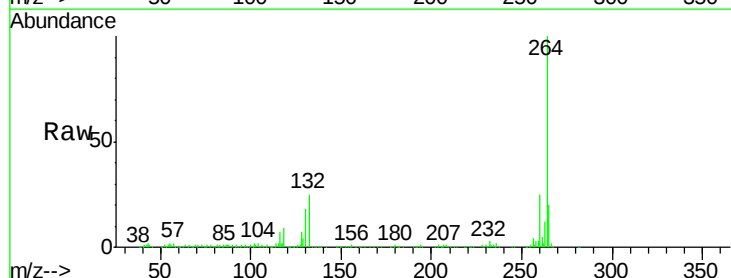
Tgt Ion:264 Resp: 308302

Ion Ratio Lower Upper

264 100

260 25.3 19.2 28.8

265 19.9 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

