

Data Path : U:\HPCHEM1\BNA F\DATA\BF011218\
 Data File : BF102058.D
 Acq On : 12 Jan 2018 22:12
 Operator : SJ/JU
 Sample : J1015-01
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 13 00:39:16 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF010918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jan 11 12:53:54 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	224202	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	842085	20.00	ng	0.00
38) Acenaphthene-d10	9.76	164	309865	20.00	ng	0.00
63) Phenanthrene-d10	11.24	188	430582	20.00	ng	0.00
75) Chrysene-d12	13.88	240	384265	20.00	ng	0.00
86) Perylene-d12	15.31	264	281169	20.00	ng	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.35	112	1444086	90.95	ng	0.02
7) Phenol-d6	6.37	99	1719689	90.78	ng	0.00
23) Nitrobenzene-d5	7.30	82	1050997	73.34	ng	0.00
41) 2,4,6-Tribromophenol	10.55	330	236820	87.58	ng	0.00
44) 2-Fluorobiphenyl	9.09	172	1535824	77.43	ng	0.00
78) Terphenyl-d14	12.83	244	1045450	56.49	ng	0.00

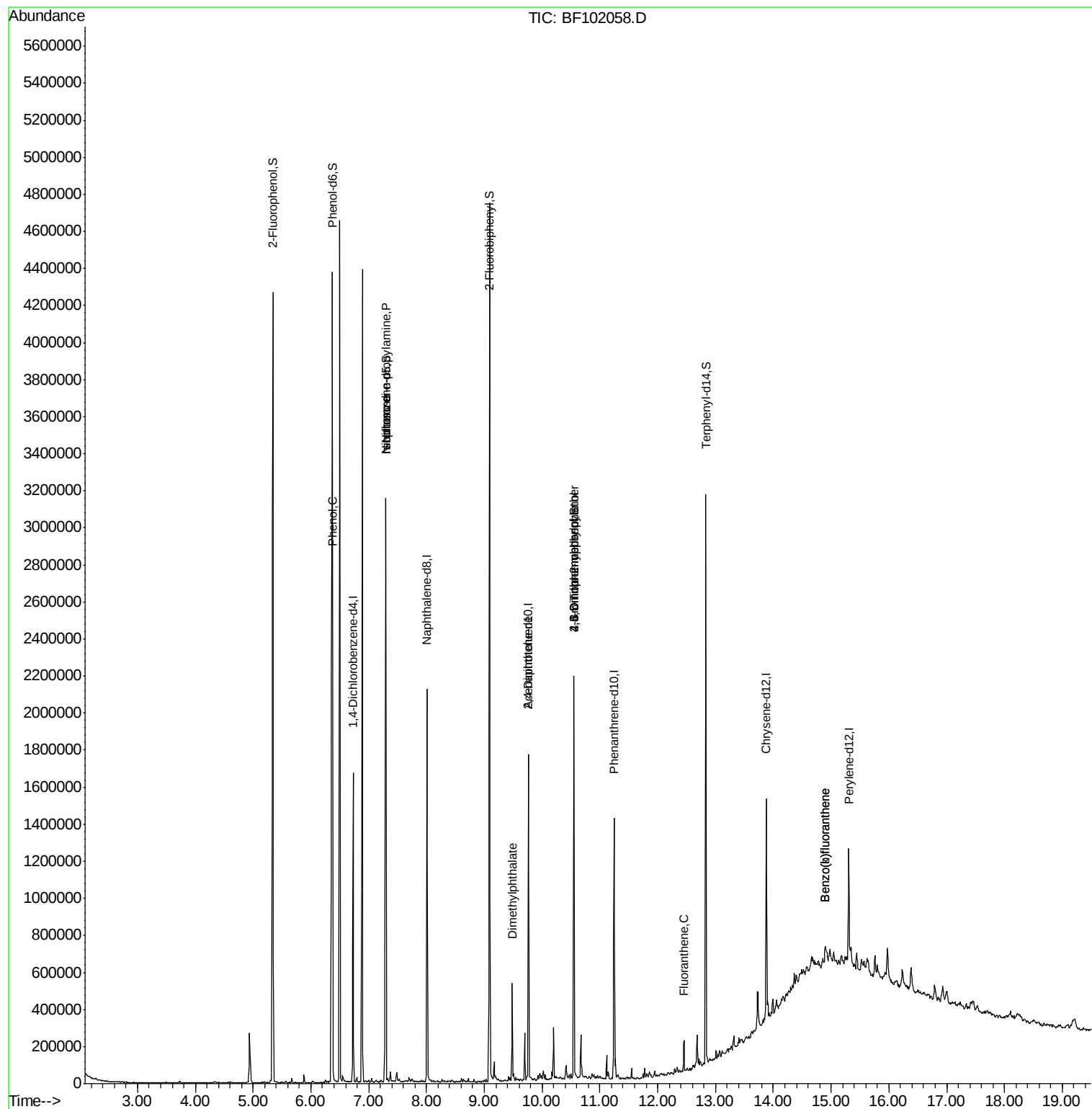
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.38	94	79101	3.695	ng	95
19) n-Nitroso-di-n-propylamine	7.30	70	142570	11.484	ng	# 80
25) Isophorone	7.30	82	1048799	37.041	ng	# 64
49) Dimethylphthalate	9.48	163	174094	7.004	ng	99
56) 2,4-Dinitrotoluene	9.76	165	40006	6.428	ng	# 24
64) 4,6-Dinitro-2-methylphenol	10.55	198	646	5.906	ng	# 1
66) 4-Bromophenyl-phenylether	10.55	248	15376	3.381	ng	# 1
74) Fluoranthene	12.46	202	62919	2.543	ng	99
87) Benzo(b)fluoranthene	14.90	252	45777	2.497	ng	# 65
88) Benzo(k)fluoranthene	14.90	252	45777	2.588	ng	# 69

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

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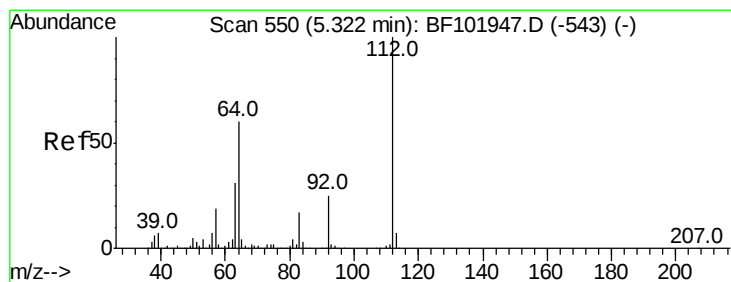
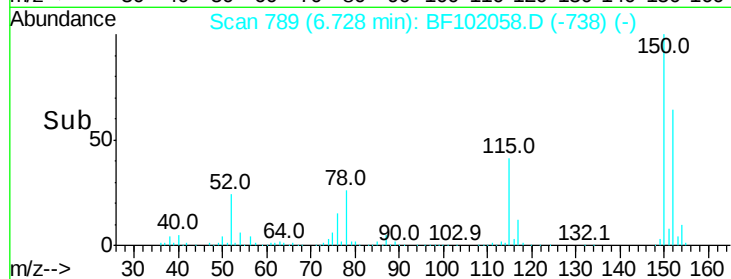
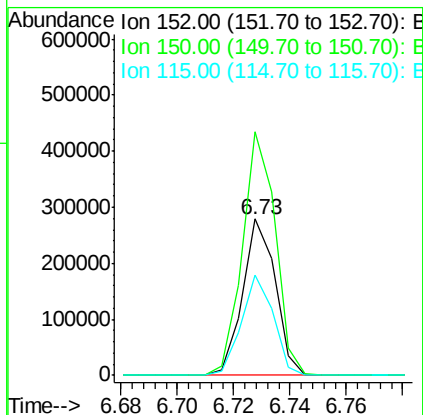
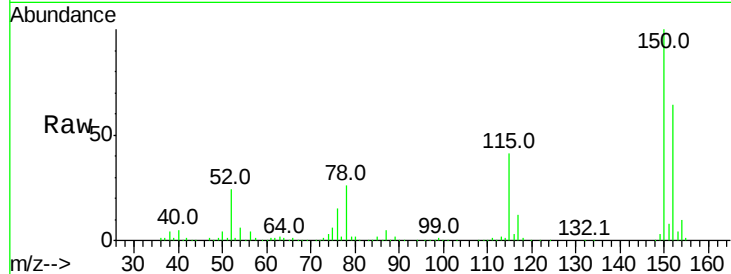


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 789
Delta R.T. -0.00 min
Lab File: BF102058.D
Acq: 12 Jan 2018 22:12

Instrument :
BNA_F
ClientSampleId :

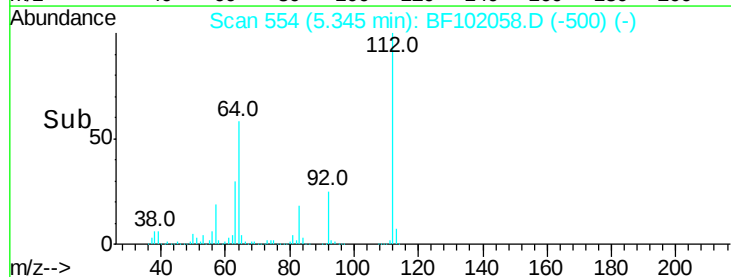
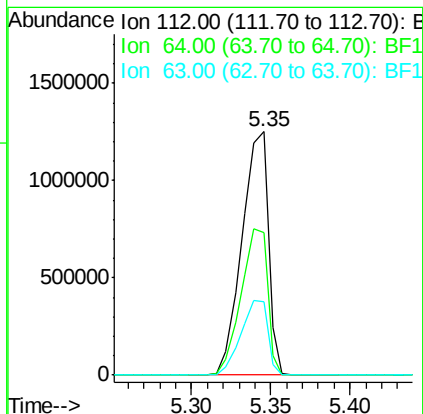
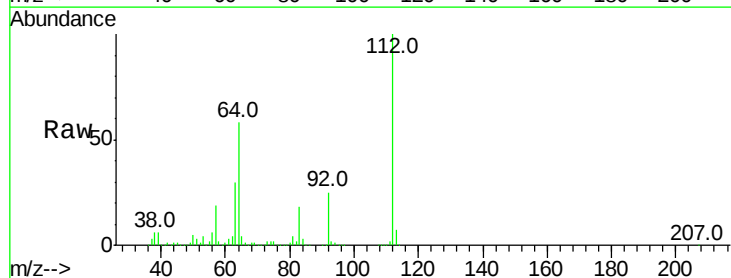
Tot Ion	Ratio	Lower	Upper
152	100		
150	155.9	124.6	186.8
115	64.0	50.1	75.1



#5

2-Fluorophenol
Concen: 90.952 ng
RT: 5.35 min Scan# 554
Delta R.T. 0.02 min
Lab File: BF102058.D
Acq: 12 Jan 2018 22:12

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.3	47.9	71.9
63	30.1	23.7	35.5





#7

Phenol-d6

Concen: 90.780 ng

RT: 6.37 min Scan# 728

Delta R.T. 0.01 min

Lab File: BF102058.D

Acq: 12 Jan 2018 22:12

Instrument :

BNA_F

ClientSampleId :

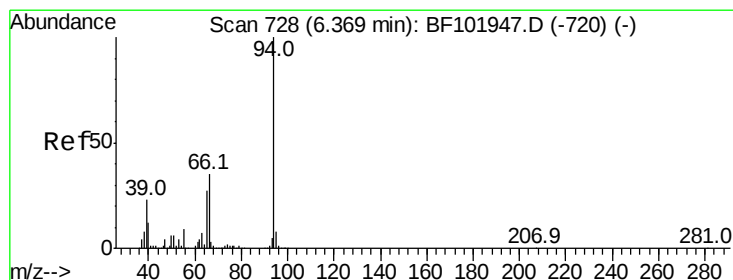
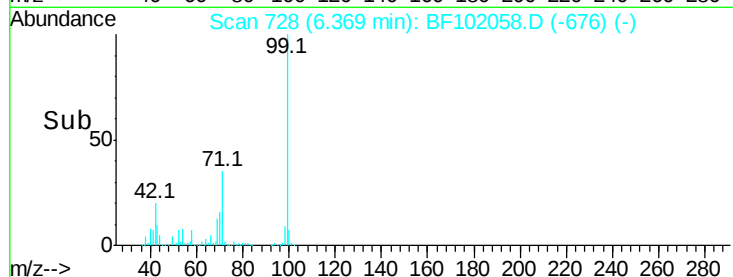
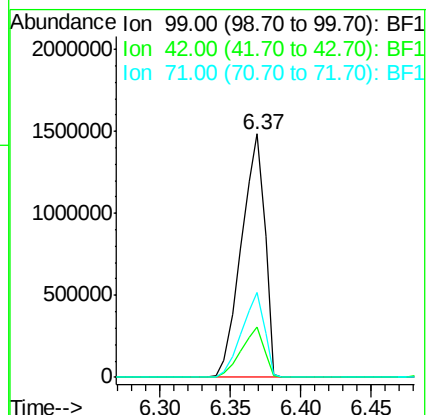
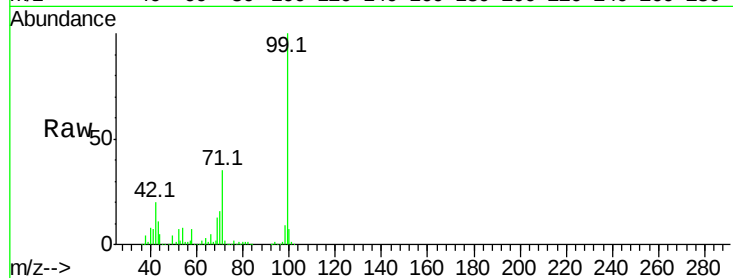
Tot Ion: 99 Resp: 1719689

Ion Ratio Lower Upper

99 100

42 20.5 14.5 21.7

71 34.7 25.4 38.0



#10

Phenol

Concen: 3.695 ng

RT: 6.38 min Scan# 730

Delta R.T. 0.01 min

Lab File: BF102058.D

Acq: 12 Jan 2018 22:12

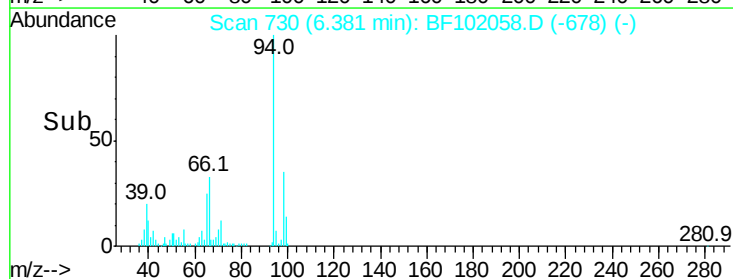
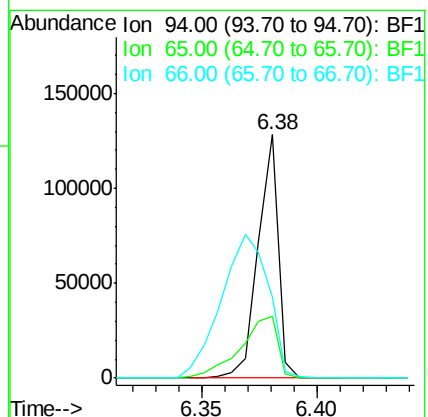
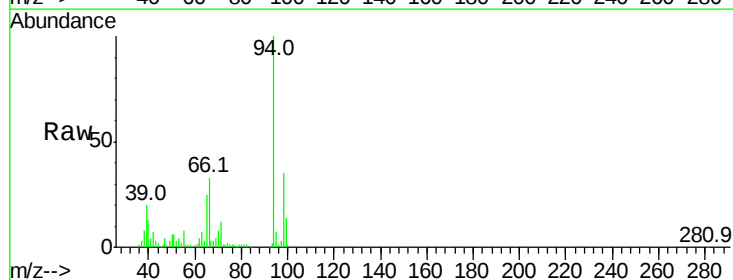
Tgt Ion: 94 Resp: 79101

Ion Ratio Lower Upper

94 100

65 25.5 7.9 47.9

66 33.4 16.2 56.2

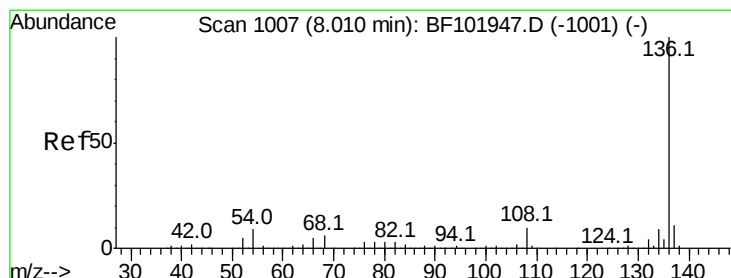
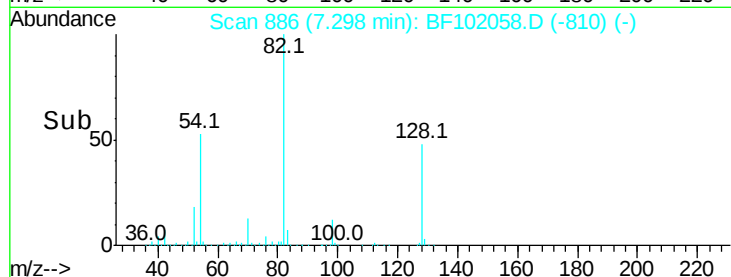
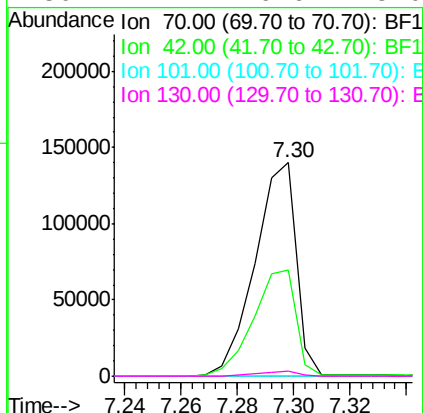
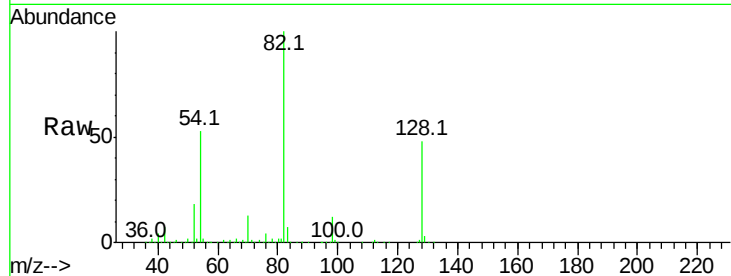




#19
n-Nitroso-di-n-propylamine
Concen: 11.484 ng
RT: 7.30 min Scan# 886
Delta R.T. 0.15 min
Lab File: BF102058.D
Acq: 12 Jan 2018 22:12

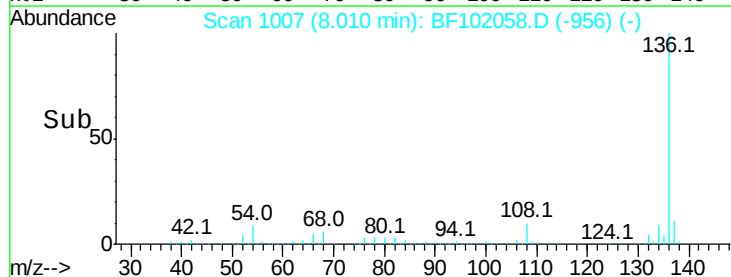
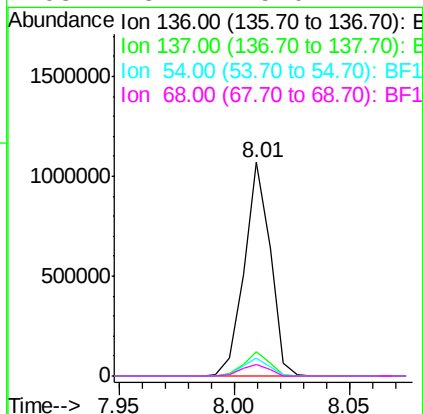
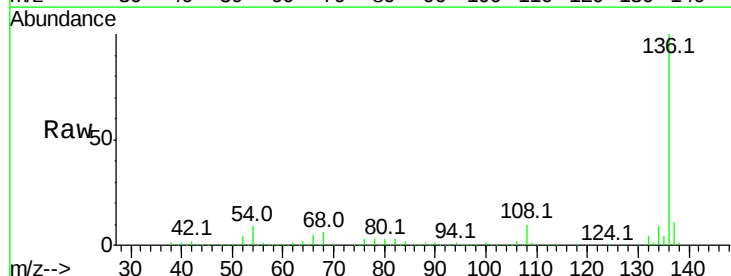
Instrument :
BNA_F
ClientSampleId :

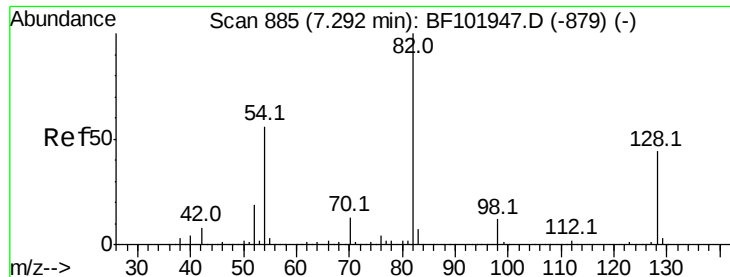
Tot Ion: 70 Resp: 142570
Ion Ratio Lower Upper
70 100
42 50.0 47.5 71.3
101 0.0 7.4 11.2#
130 2.1 16.6 25.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.01 min Scan# 1007
Delta R.T. -0.00 min
Lab File: BF102058.D
Acq: 12 Jan 2018 22:12

Tgt Ion: 136 Resp: 842085
Ion Ratio Lower Upper
136 100
137 11.1 8.9 13.3
54 8.5 6.6 9.8
68 5.7 5.0 7.4



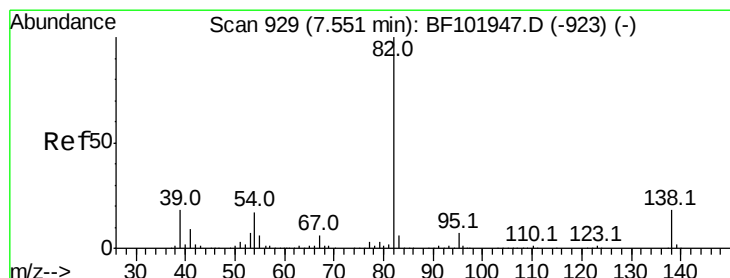
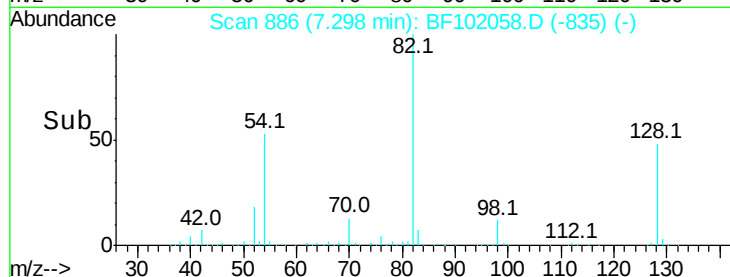
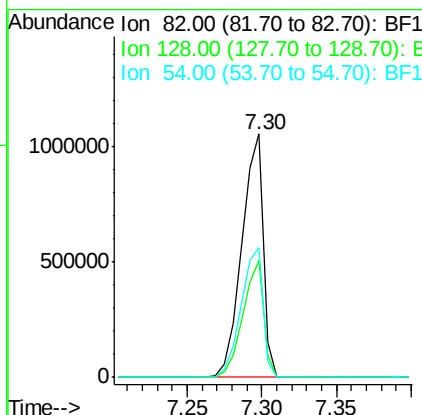
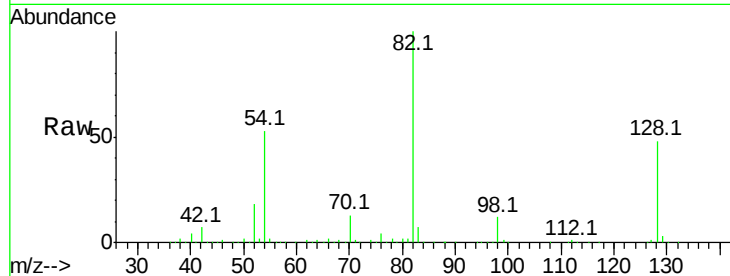


#23
 Nitrobenzene-d5
 Concen: 73.343 ng
 RT: 7.30 min Scan# 886
 Delta R.T. -0.00 min
 Lab File: BF102058.D
 Acq: 12 Jan 2018 22:12

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion: 82 Resp: 1050997

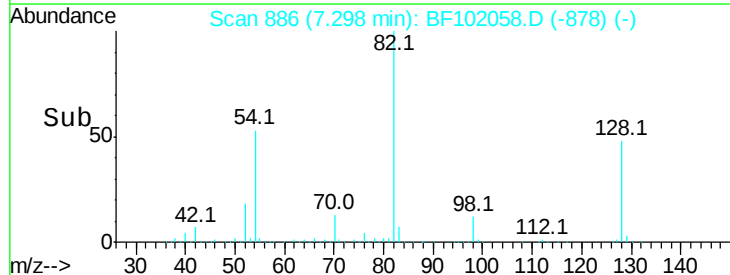
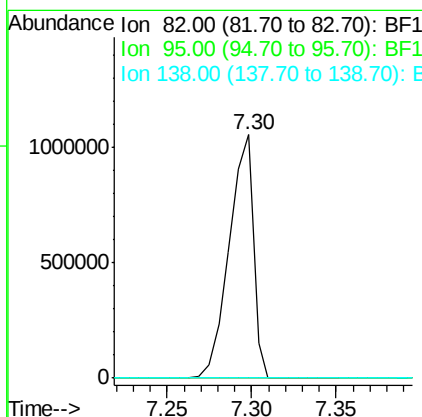
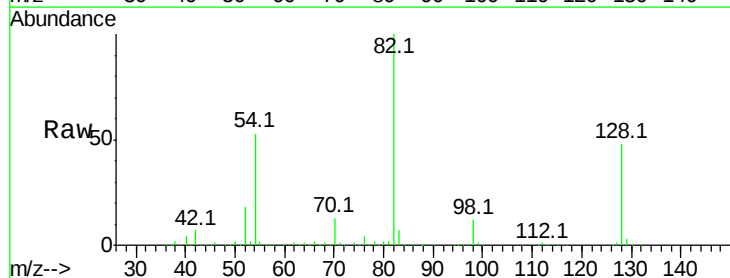
Ion	Ratio	Lower	Upper
82	100		
128	48.3	36.1	54.1
54	53.1	41.4	62.2

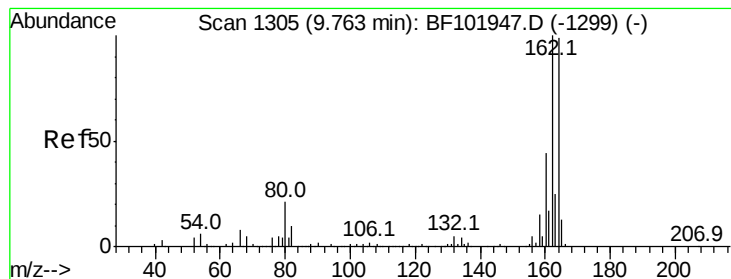


#25
 Isophorone
 Concen: 37.041 ng
 RT: 7.30 min Scan# 886
 Delta R.T. -0.25 min
 Lab File: BF102058.D
 Acq: 12 Jan 2018 22:12

Tgt Ion: 82 Resp: 1048799

Ion	Ratio	Lower	Upper
82	100		
95	0.1	5.2	7.8#
138	0.0	14.9	22.3#





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.76 min Scan# 1305

Delta R.T. -0.00 min

Lab File: BF102058.D

Acq: 12 Jan 2018 22:12

Instrument :

BNA_F

ClientSampleId :

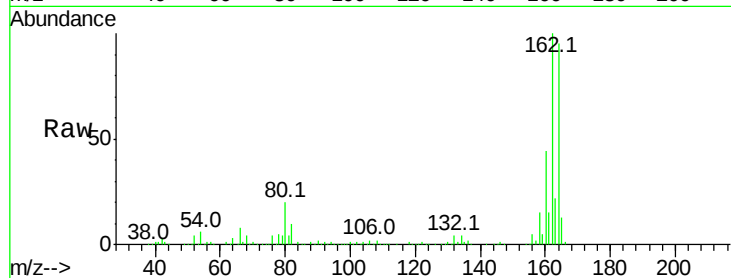
Tot Ion:164 Resp: 309865

Ion Ratio Lower Upper

164 100

162 105.1 86.1 129.1

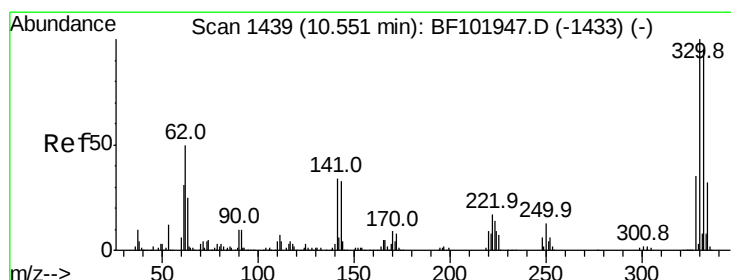
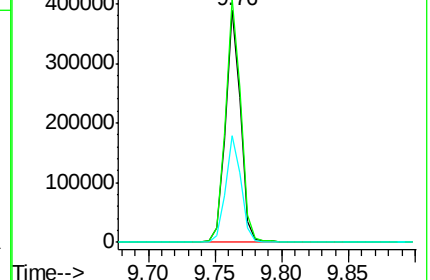
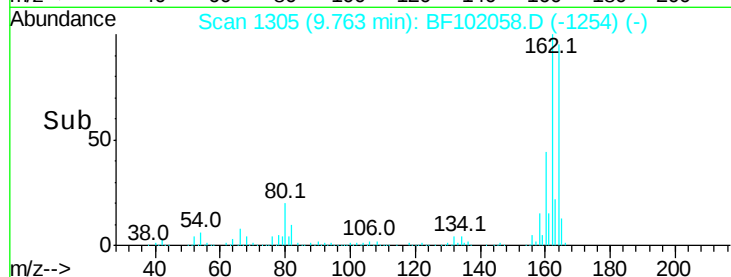
160 46.0 38.3 57.5



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: 87.576 ng

RT: 10.55 min Scan# 1439

Delta R.T. -0.00 min

Lab File: BF102058.D

Acq: 12 Jan 2018 22:12

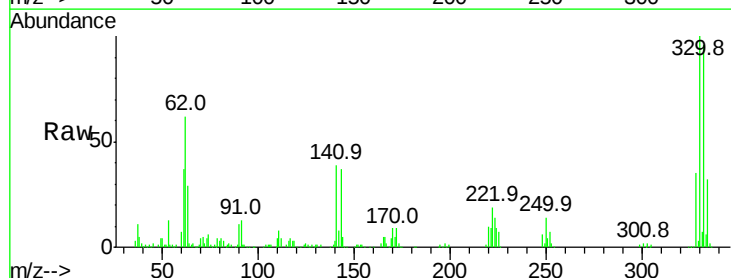
Tgt Ion:330 Resp: 236820

Ion Ratio Lower Upper

330 100

332 94.5 77.0 115.6

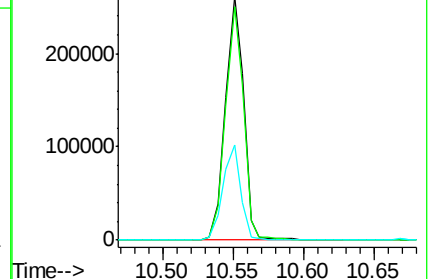
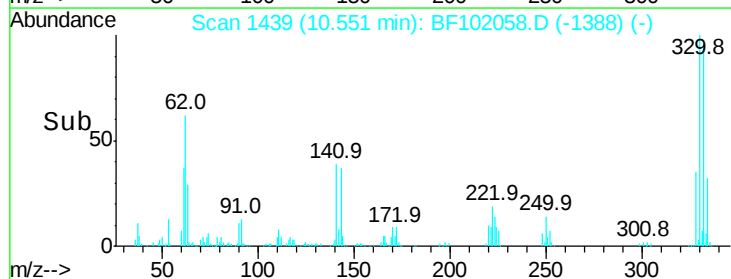
141 39.0 29.9 44.9



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

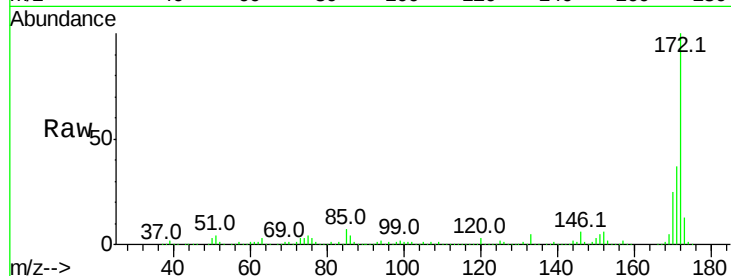




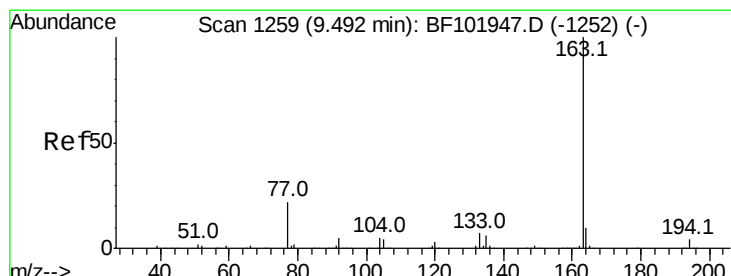
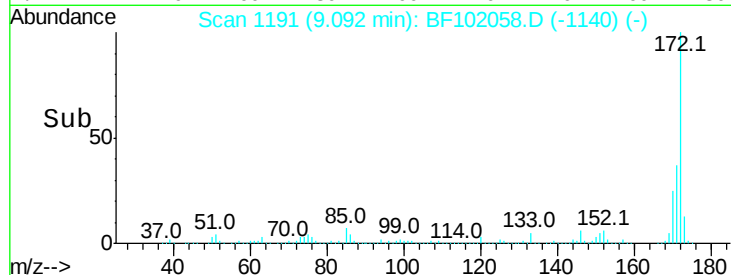
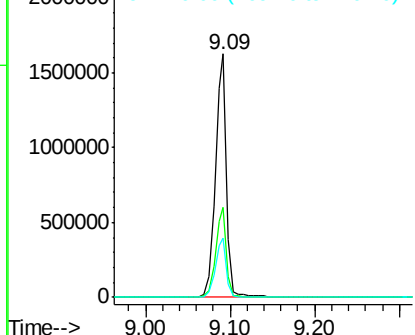
#44
2-Fluorobiphenyl
Concen: 77.433 ng
RT: 9.09 min Scan# 1191
Delta R.T. -0.00 min
Lab File: BF102058.D
Acq: 12 Jan 2018 22:12

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 1535824
Ion Ratio Lower Upper
172 100
171 37.1 29.7 44.5
170 24.6 19.6 29.4

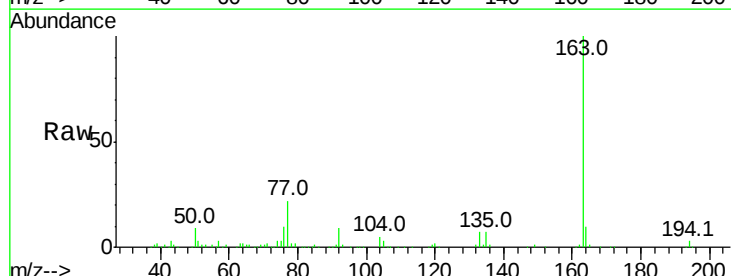


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

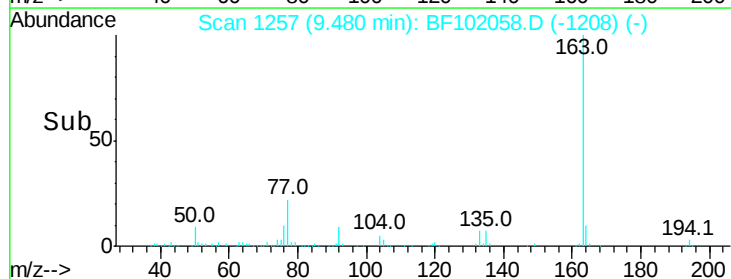
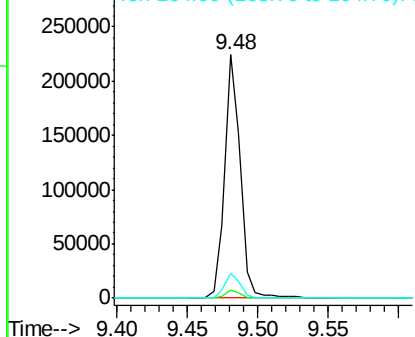


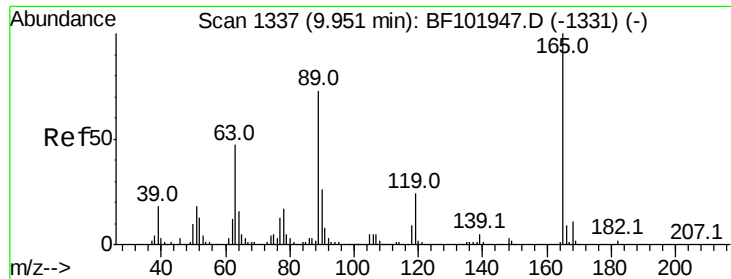
#49
Dimethylphthalate
Concen: 7.004 ng
RT: 9.48 min Scan# 1257
Delta R.T. -0.01 min
Lab File: BF102058.D
Acq: 12 Jan 2018 22:12

Tgt Ion:163 Resp: 174094
Ion Ratio Lower Upper
163 100
194 3.1 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

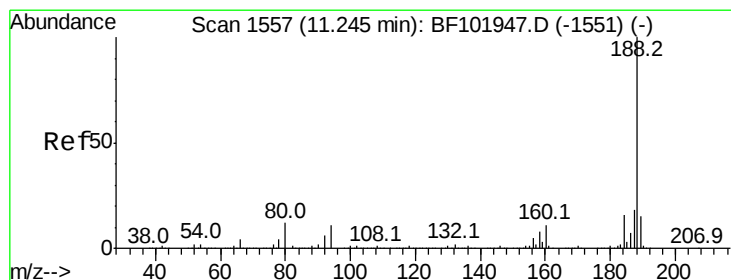
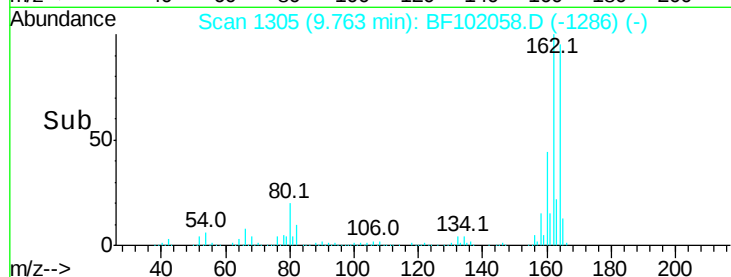
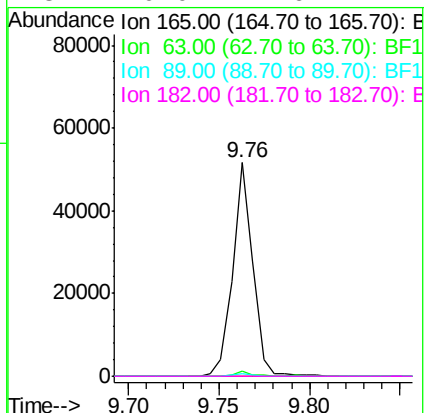
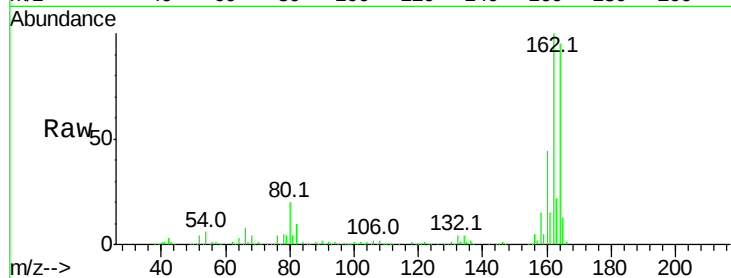




#56
 2,4-Dinitrotoluene
 Concen: 6.428 ng
 RT: 9.76 min Scan# 1305
 Delta R.T. -0.19 min
 Lab File: BF102058.D
 Acq: 12 Jan 2018 22:12

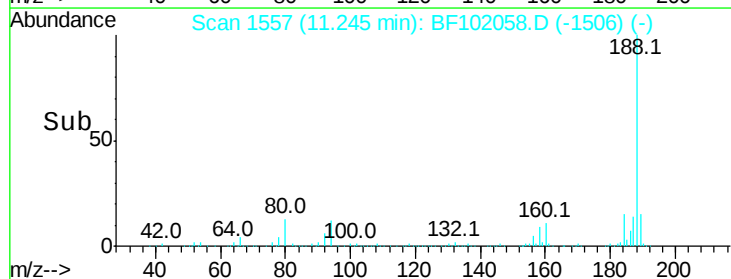
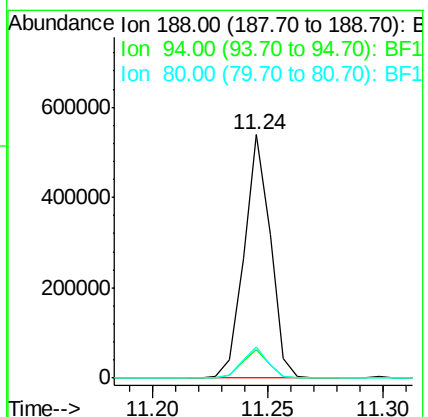
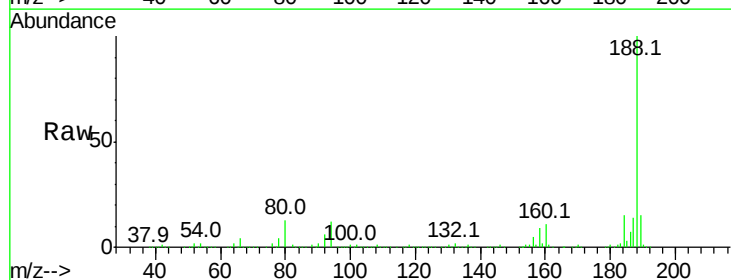
Instrument :
 BNA_F
 ClientSampleId :

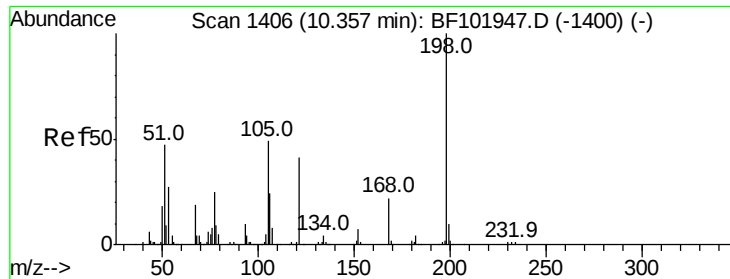
Tot Ion:	165	Resp:	40006
Ion	Ratio	Lower	Upper
165	100		
63	2.4	36.4	54.6#
89	1.2	57.8	86.6#
182	0.0	1.6	2.4#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.24 min Scan# 1557
 Delta R.T. -0.00 min
 Lab File: BF102058.D
 Acq: 12 Jan 2018 22:12

Tgt Ion:	188	Resp:	430582
Ion	Ratio	Lower	Upper
188	100		
94	11.5	8.5	12.7
80	12.9	9.2	13.8

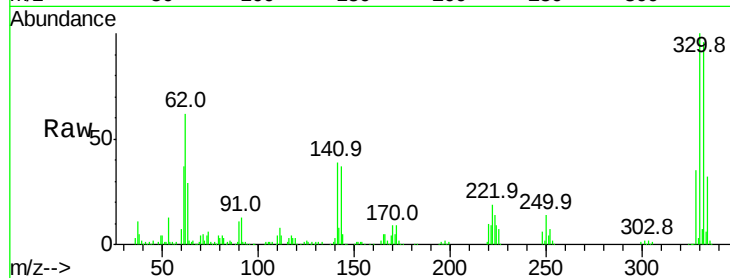




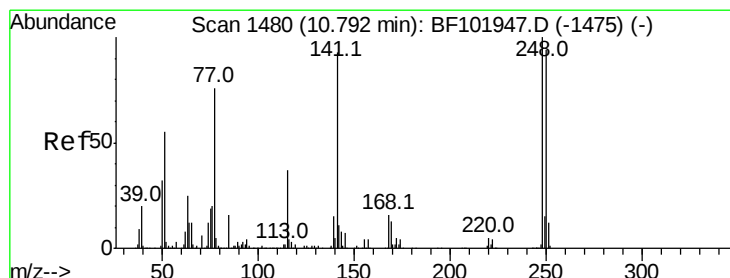
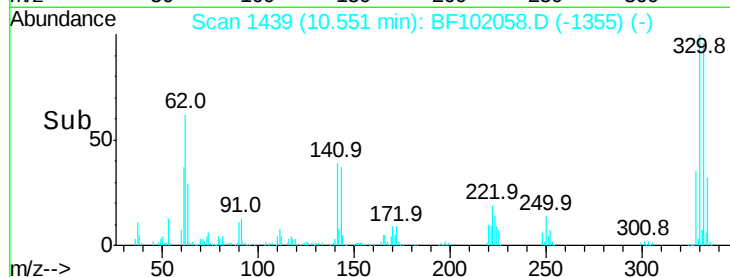
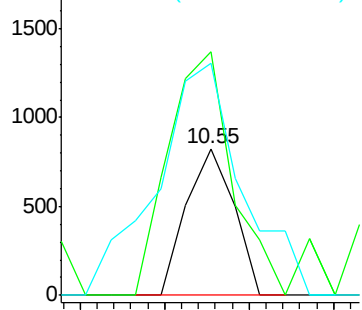
#64
 4,6-Dinitro-2-methylphenol
 Concen: 5.906 ng
 RT: 10.55 min Scan# 1439
 Delta R.T. 0.19 min
 Lab File: BF102058.D
 Acq: 12 Jan 2018 22:12

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:198 Resp: 646
 Ion Ratio Lower Upper
 198 100
 51 165.7 37.7 77.7#
 105 157.9 36.3 76.3#

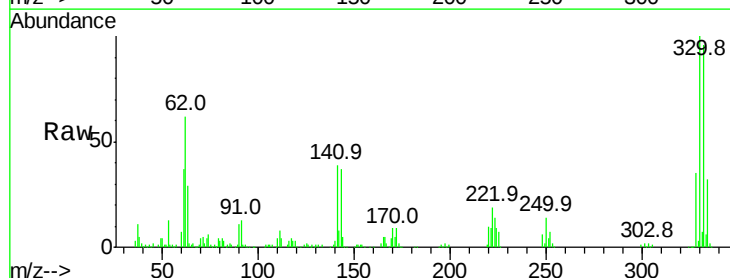


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

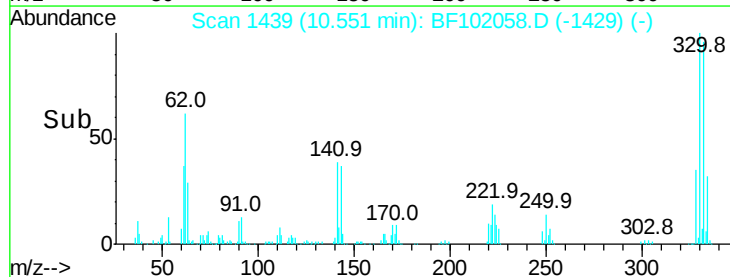
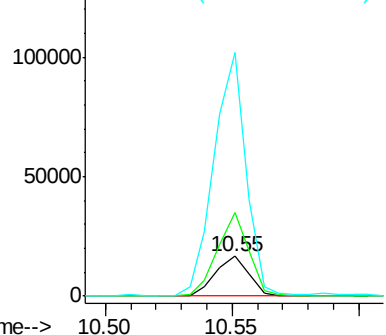


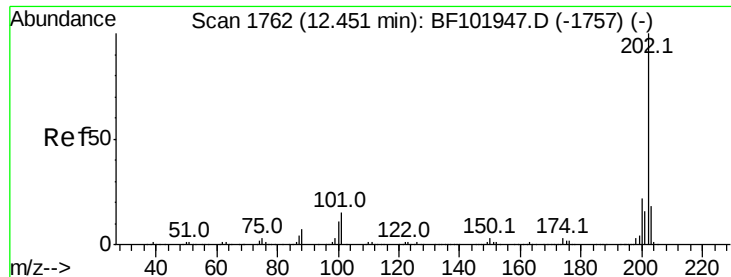
#66
 4-Bromophenyl-phenylether
 Concen: 3.381 ng
 RT: 10.55 min Scan# 1439
 Delta R.T. -0.24 min
 Lab File: BF102058.D
 Acq: 12 Jan 2018 22:12

Tgt Ion:248 Resp: 15376
 Ion Ratio Lower Upper
 248 100
 250 211.7 76.9 115.3#
 141 612.2 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





#74

Fluoranthene

Concen: 2.543 ng

RT: 12.46 min Scan# 1763

Delta R.T. -0.00 min

Lab File: BF102058.D

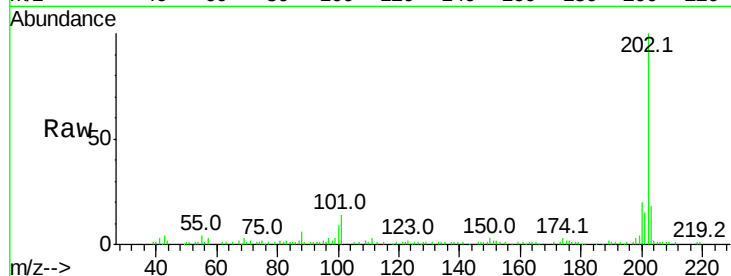
Acq: 12 Jan 2018 22:12

Instrument :

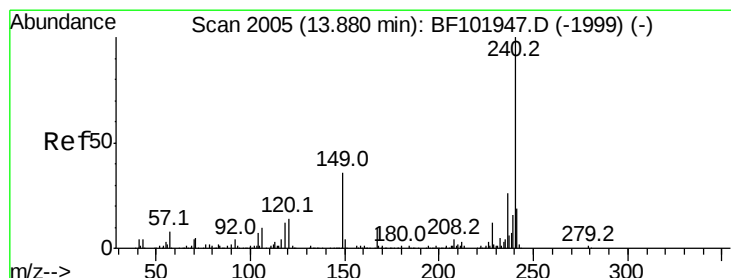
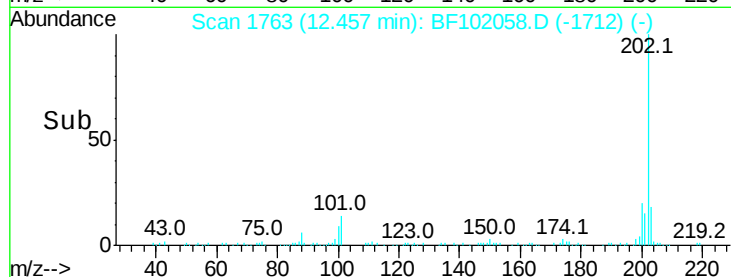
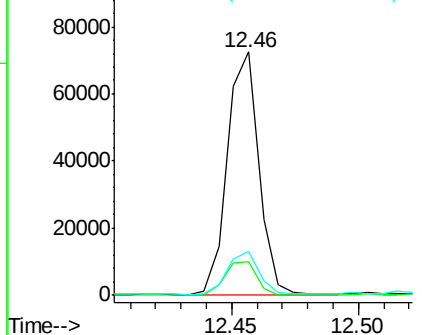
BNA_F

ClientSampleId :

Tot Ion:	202	Resp:	62919
Ion	Ratio	Lower	Upper
202	100		
101	13.6	0.0	34.1
203	18.3	0.0	38.1



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.000 ng

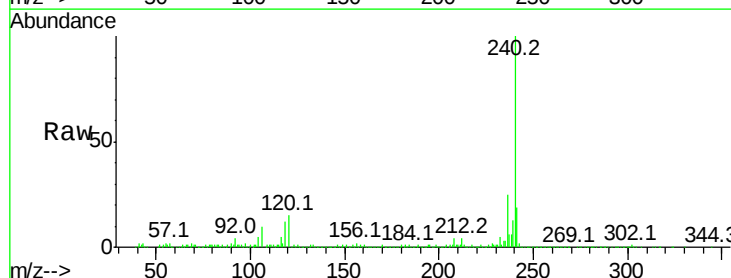
RT: 13.88 min Scan# 2005

Delta R.T. -0.00 min

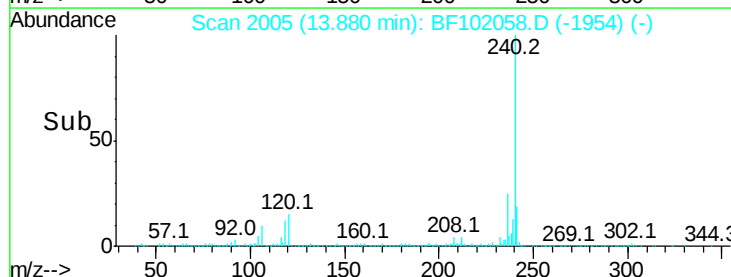
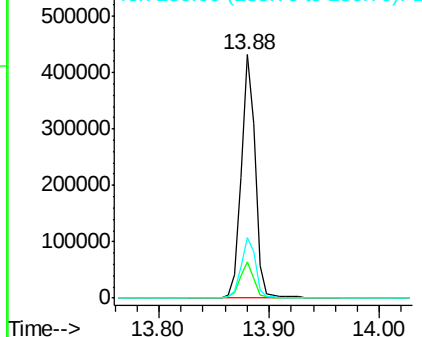
Lab File: BF102058.D

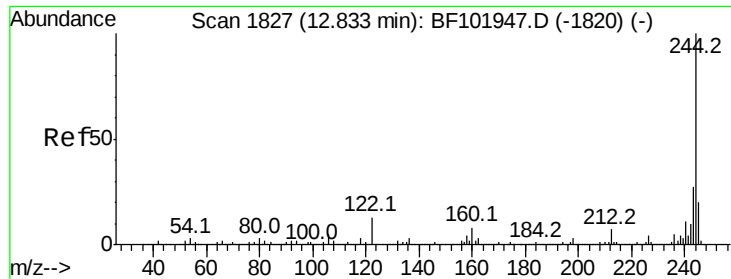
Acq: 12 Jan 2018 22:12

Tgt Ion:	240	Resp:	384265
Ion	Ratio	Lower	Upper
240	100		
120	14.7	9.5	14.3#
236	25.1	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

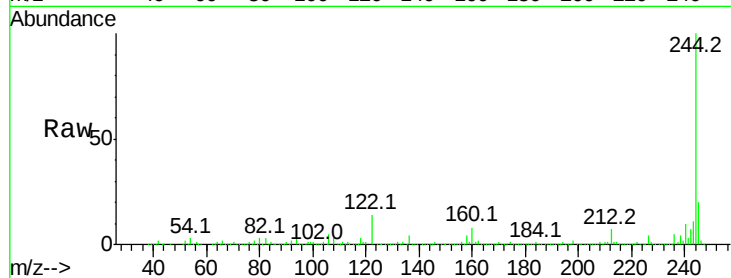




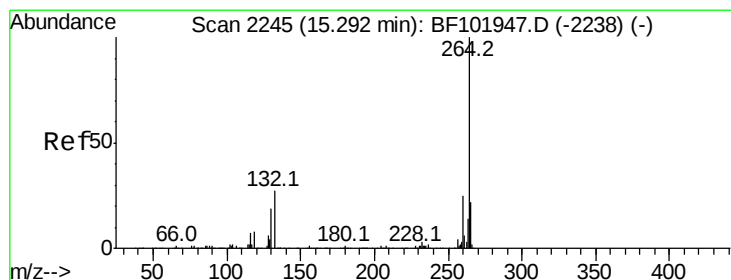
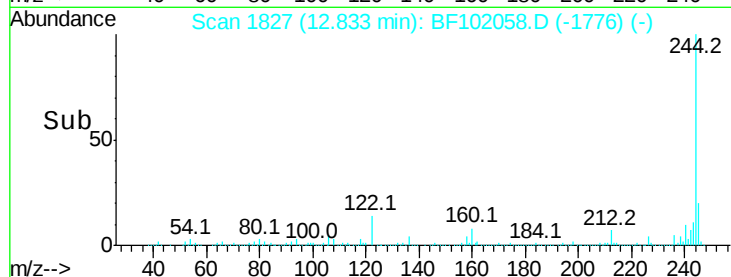
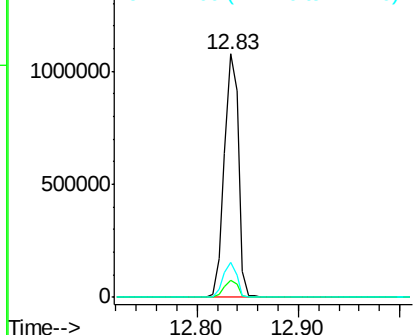
#78
 Terphenyl-d14
 Concen: 56.488 ng
 RT: 12.83 min Scan# 1827
 Delta R.T. -0.00 min
 Lab File: BF102058.D
 Acq: 12 Jan 2018 22:12

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:244 Resp: 1045450
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.4 8.0
 122 14.5 11.0 16.4

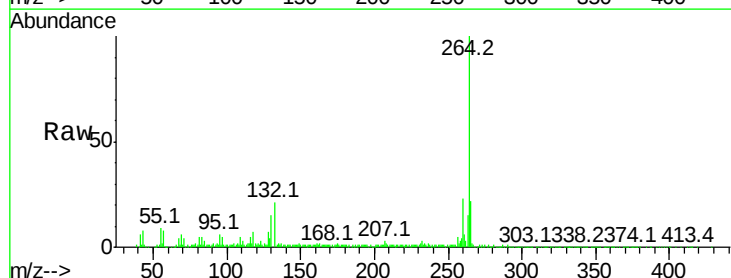


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E

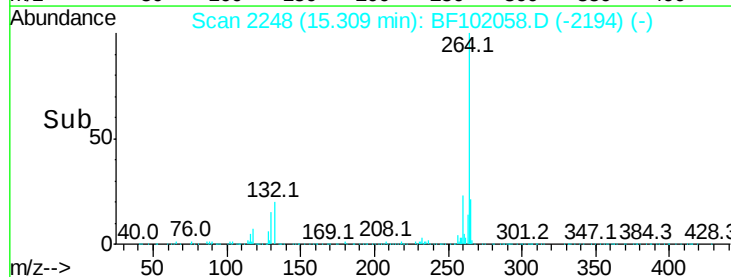
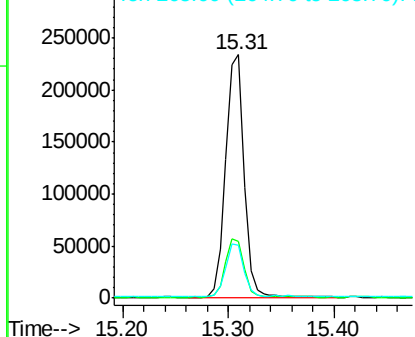


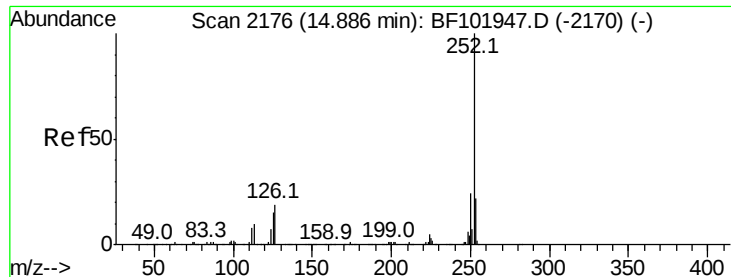
#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.31 min Scan# 2248
 Delta R.T. 0.02 min
 Lab File: BF102058.D
 Acq: 12 Jan 2018 22:12

Tgt Ion:264 Resp: 281169
 Ion Ratio Lower Upper
 264 100
 260 23.1 19.2 28.8
 265 21.7 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





#87

Benzo(b)fluoranthene

Concen: 2.497 ng

RT: 14.90 min Scan# 2178

Delta R.T. 0.01 min

Lab File: BF102058.D

Acq: 12 Jan 2018 22:12

Instrument :

BNA_F

ClientSampleId :

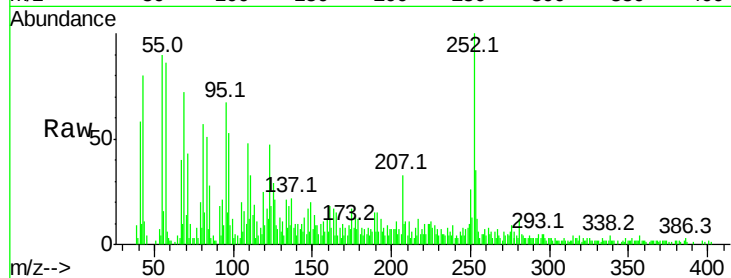
Tot Ion:252 Resp: 45777

Ion Ratio Lower Upper

252 100

253 34.8 17.0 25.6#

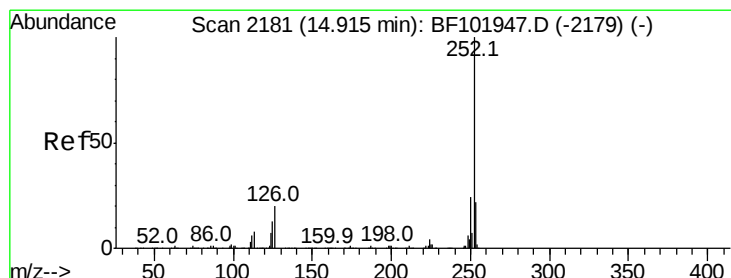
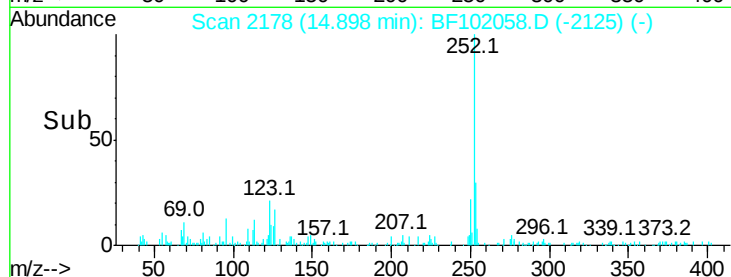
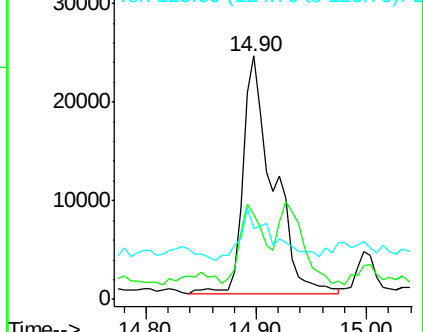
125 29.0 9.0 13.6#



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: 2.588 ng

RT: 14.90 min Scan# 2178

Delta R.T. -0.02 min

Lab File: BF102058.D

Acq: 12 Jan 2018 22:12

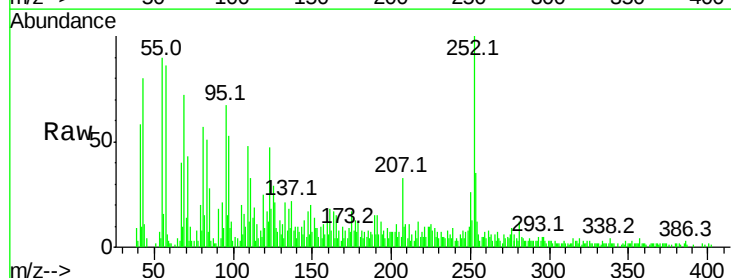
Tgt Ion:252 Resp: 45777

Ion Ratio Lower Upper

252 100

253 34.8 17.9 26.9#

125 29.0 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

