

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041318\
 Data File : BF104511.D
 Acq On : 14 Apr 2018 7:58
 Operator : JU/SJ
 Sample : J2368-05
 Misc :
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 16 00:40:57 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 13 17:38:31 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	117998	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	465349	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	196783	20.00	ng	-0.01
63) Phenanthrene-d10	11.33	188	286179	20.00	ng	-0.01
75) Chrysene-d12	13.98	240	221418	20.00	ng	-0.01
86) Perylene-d12	15.44	264	168988	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.42	112	328498	42.57	ng	0.00
7) Phenol-d6	6.44	99	265429	27.99	ng	0.00
23) Nitrobenzene-d5	7.37	82	706014	99.07	ng	0.00
41) 2,4,6-Tribromophenol	10.64	330	153480	75.19	ng	0.00
44) 2-Fluorobiphenyl	9.17	172	1233894	99.06	ng	0.00
78) Terphenyl-d14	12.93	244	873194	89.91	ng	0.00

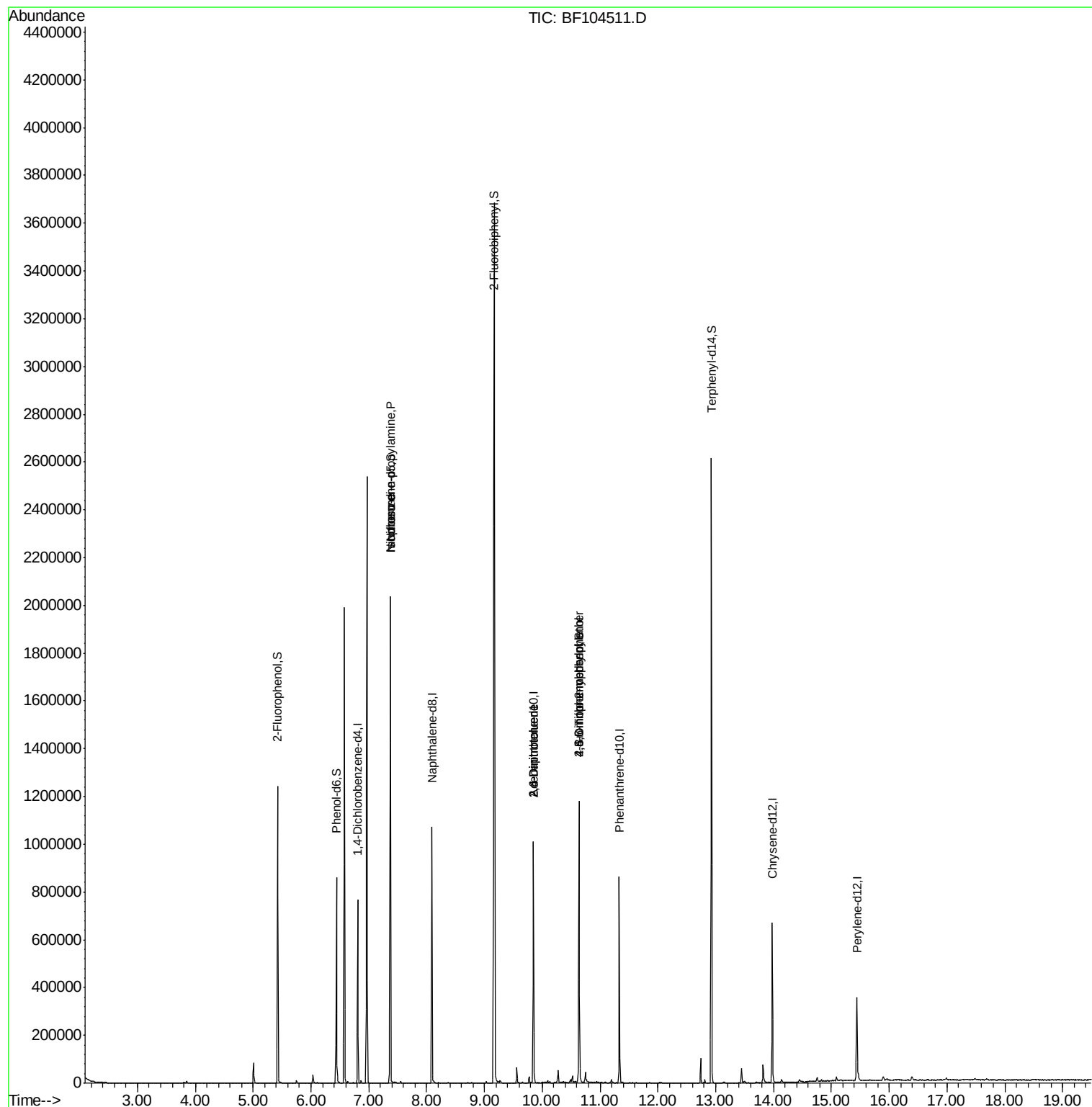
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.37	70	92984	15.007	ng	# 73
25) Isophorone	7.37	82	706009	46.848	ng	# 64
50) 2,6-Dinitrotoluene	9.85	165	24836	8.649	ng	# 24
56) 2,4-Dinitrotoluene	9.85	165	24836	6.594	ng	# 22
64) 4,6-Dinitro-2-methylphenol	10.64	198	150	7.438	ng	# 1
66) 4-Bromophenyl-phenylether	10.64	248	9375	3.080	ng	# 1
76) Benzidine	12.93	184	11327	Below Cal		95

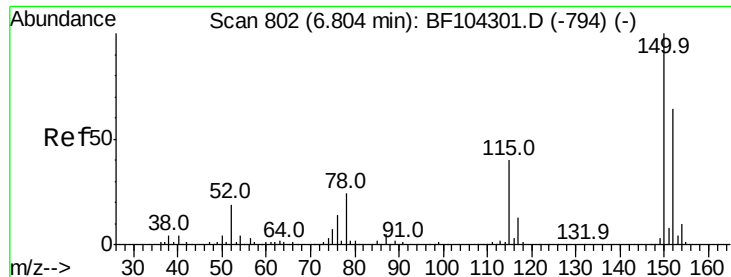
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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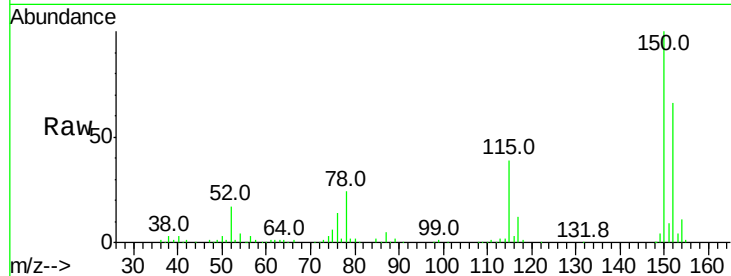


#1

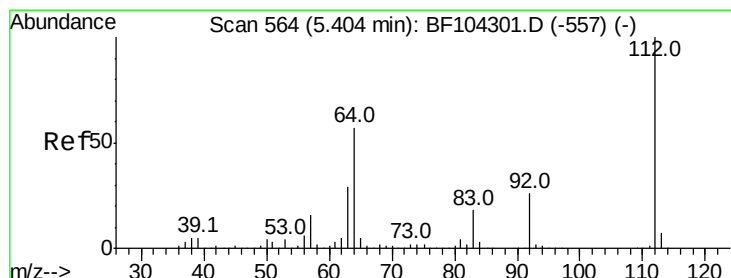
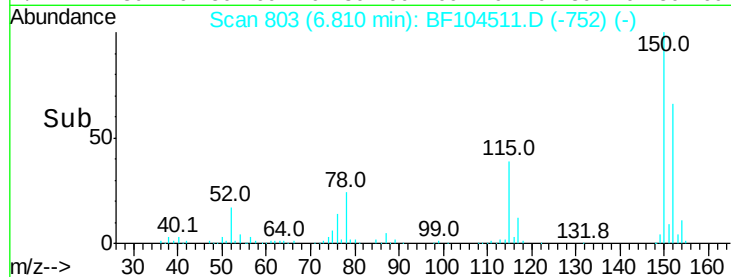
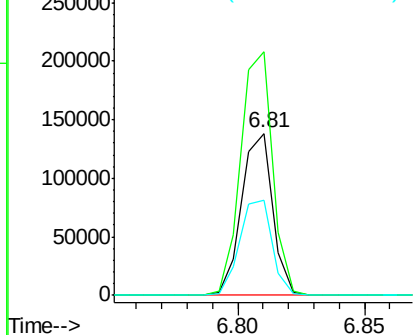
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.81 min Scan# 803
Delta R.T. 0.00 min
Lab File: BF104511.D
Acq: 14 Apr 2018 7:58

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 117998
Ion Ratio Lower Upper
152 100
150 150.6 124.6 186.8
115 58.9 50.1 75.1



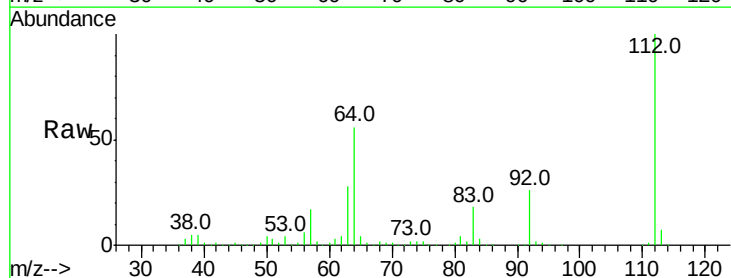
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



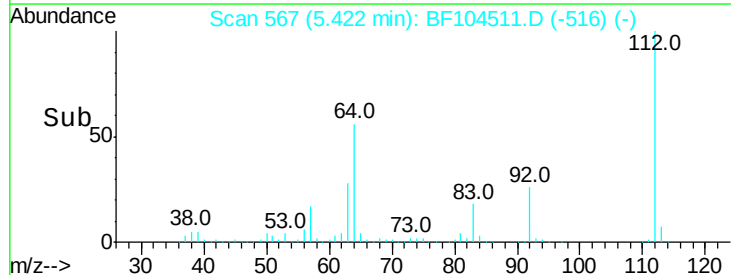
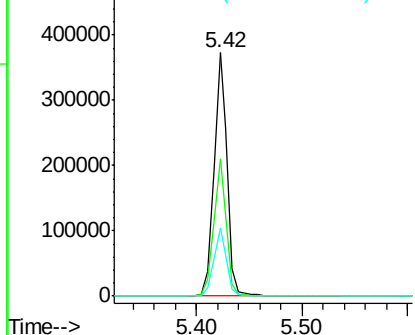
#5

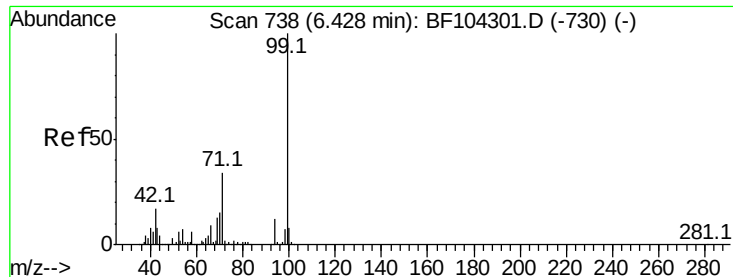
2-Fluorophenol
Concen: 42.568 ng
RT: 5.42 min Scan# 567
Delta R.T. 0.00 min
Lab File: BF104511.D
Acq: 14 Apr 2018 7:58

Tgt Ion:112 Resp: 328498
Ion Ratio Lower Upper
112 100
64 56.3 47.9 71.9
63 28.1 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: 27.994 ng

RT: 6.44 min Scan# 740

Delta R.T. -0.01 min

Lab File: BF104511.D

Acq: 14 Apr 2018 7:58

Instrument :

BNA_F

ClientSampleId :

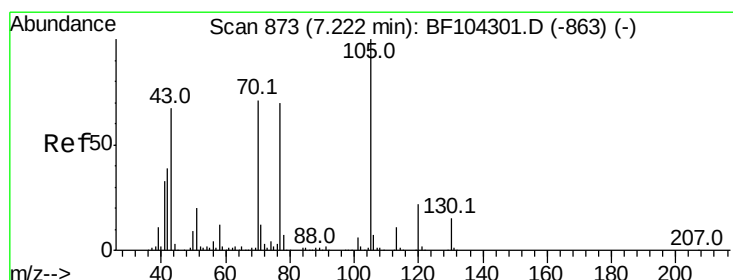
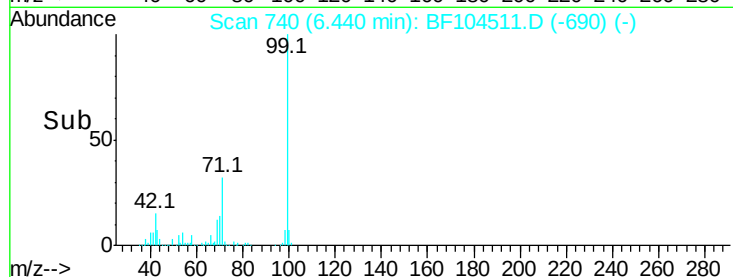
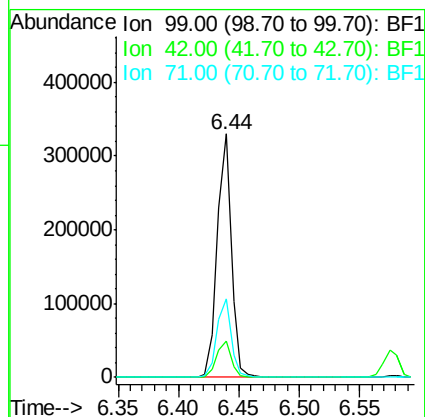
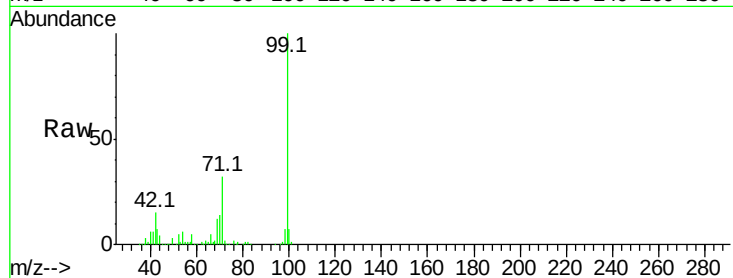
Tot Ion: 99 Resp: 265429

Ion Ratio Lower Upper

99 100

42 15.1 14.5 21.7

71 32.1 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 15.007 ng

RT: 7.37 min Scan# 899

Delta R.T. 0.15 min

Lab File: BF104511.D

Acq: 14 Apr 2018 7:58

Tgt Ion: 70 Resp: 92984

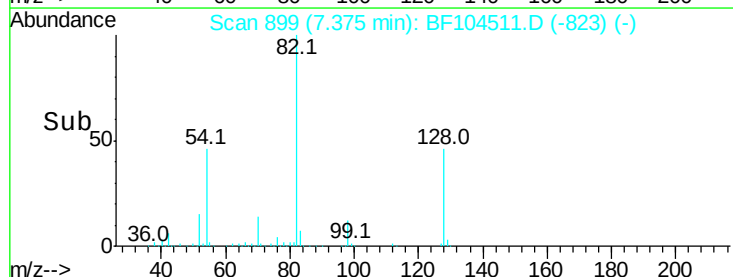
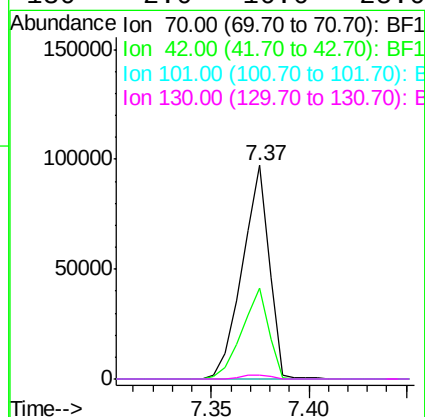
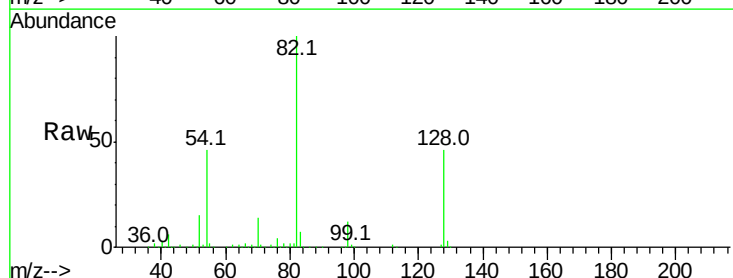
Ion Ratio Lower Upper

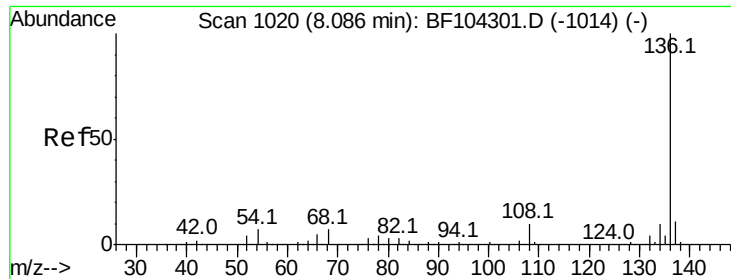
70 100

42 42.5 47.5 71.3#

101 0.0 7.4 11.2#

130 2.0 16.6 25.0#

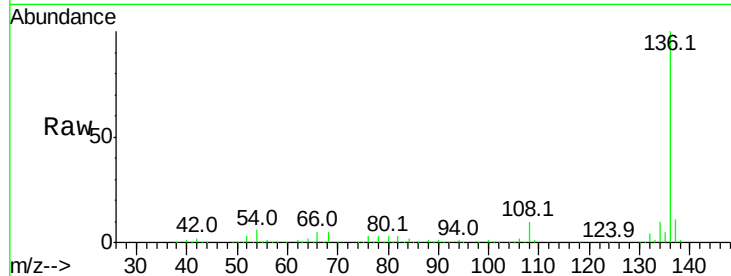




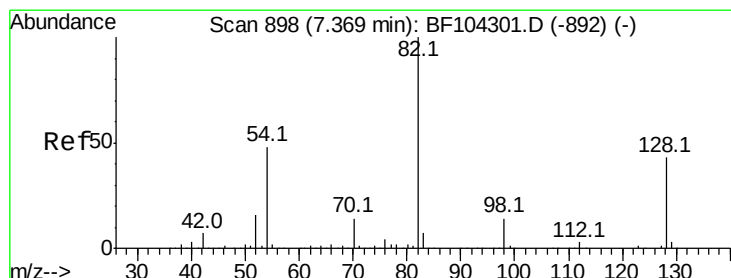
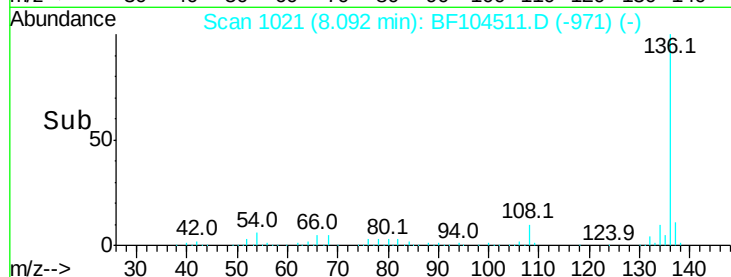
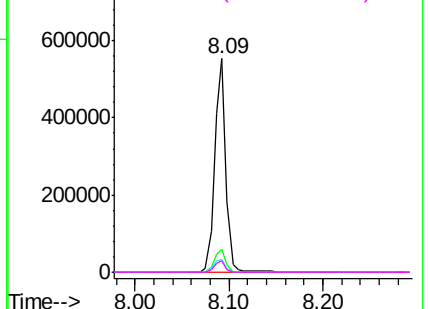
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1021
Delta R.T. -0.01 min
Lab File: BF104511.D
Acq: 14 Apr 2018 7:58

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	136	Resp:	465349
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.9	13.3
54	6.3	6.6	9.8#
68	5.3	5.0	7.4

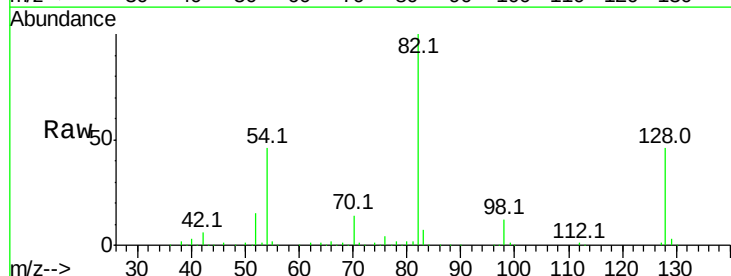


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

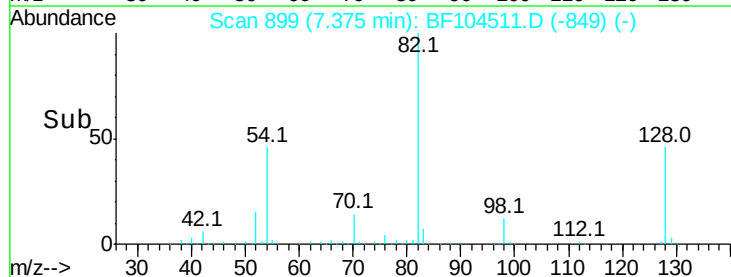
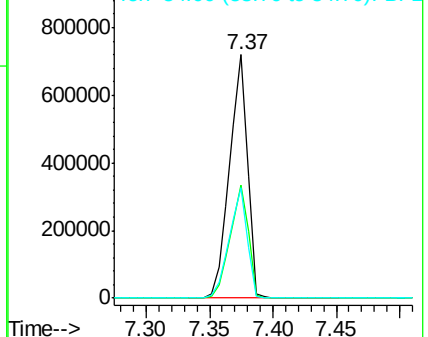


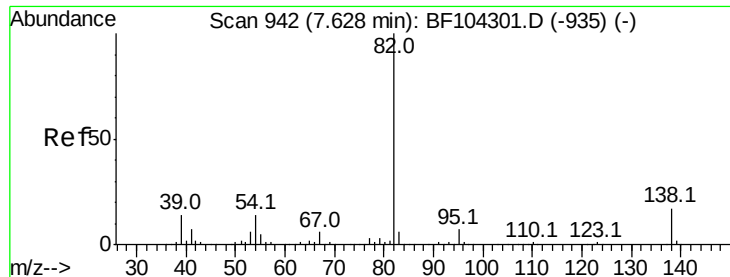
#23
Nitrobenzene-d5
Concen: 99.068 ng
RT: 7.37 min Scan# 899
Delta R.T. -0.01 min
Lab File: BF104511.D
Acq: 14 Apr 2018 7:58

Tgt Ion:	82	Resp:	706014
Ion	Ratio	Lower	Upper
82	100		
128	46.3	36.1	54.1
54	45.6	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: 46.848 ng

RT: 7.37 min Scan# 899

Delta R.T. -0.26 min

Lab File: BF104511.D

Acq: 14 Apr 2018 7:58

Instrument :

BNA_F

ClientSampled :

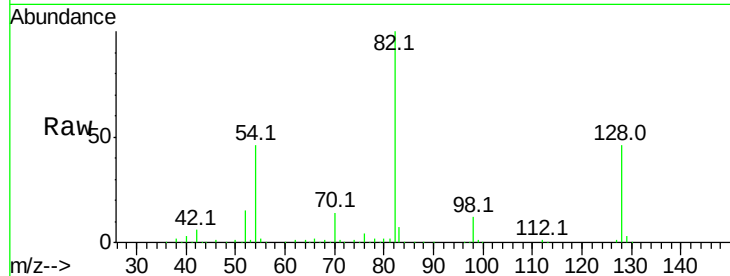
Tot Ion: 82 Resp: 706009

Ion Ratio Lower Upper

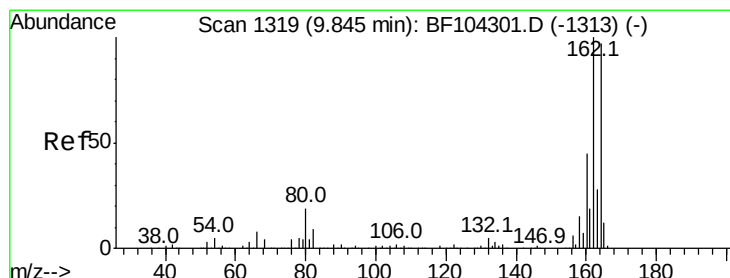
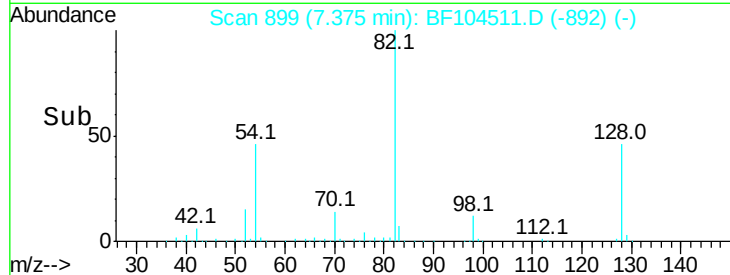
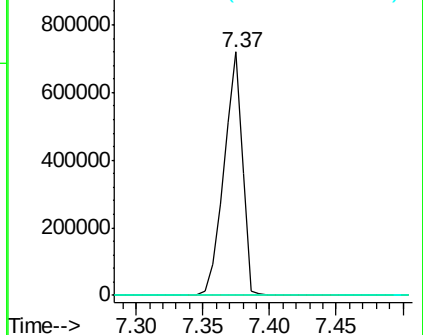
82 100

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: 9.85 min Scan# 1319

Delta R.T. -0.01 min

Lab File: BF104511.D

Acq: 14 Apr 2018 7:58

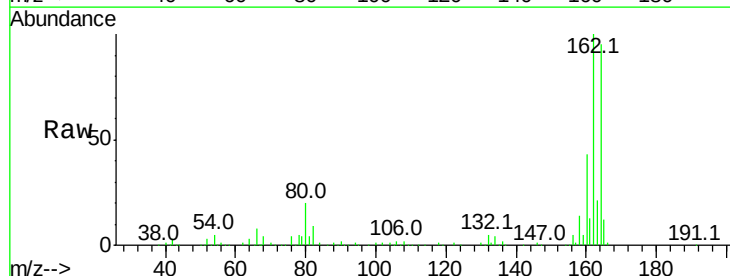
Tgt Ion:164 Resp: 196783

Ion Ratio Lower Upper

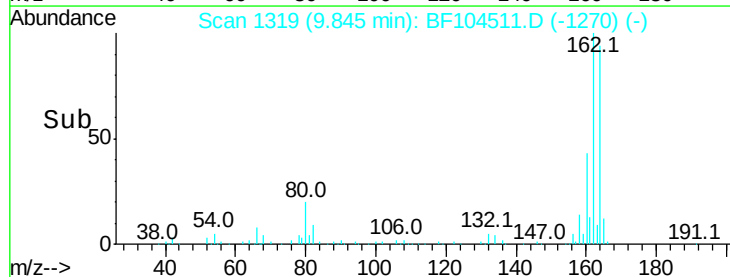
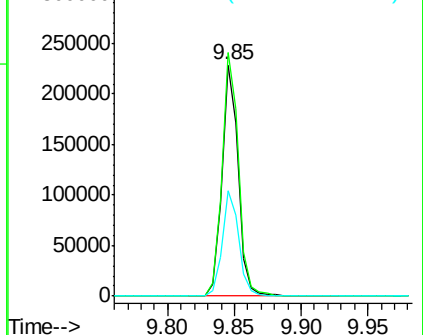
164 100

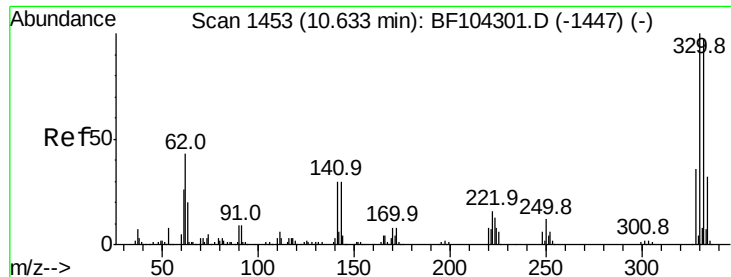
162 105.3 86.1 129.1

160 45.7 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

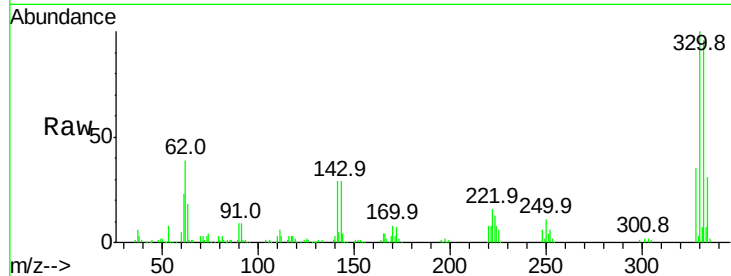




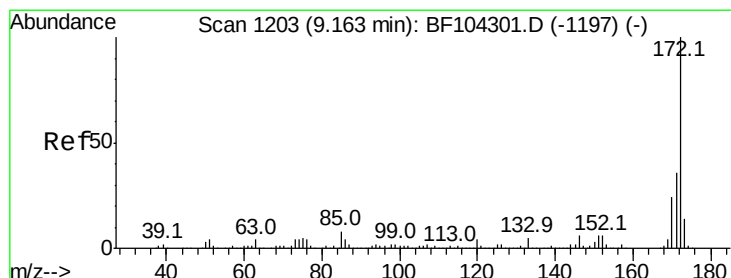
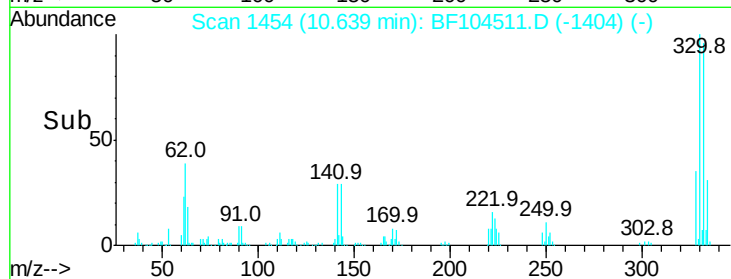
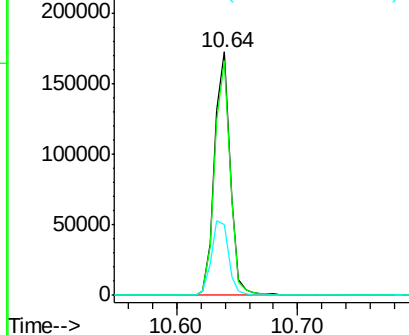
#41
 2,4,6-Tribromophenol
 Concen: 75.188 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. -0.01 min
 Lab File: BF104511.D
 Acq: 14 Apr 2018 7:58

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 153480
 Ion Ratio Lower Upper
 330 100
 332 95.7 77.0 115.6
 141 33.8 29.9 44.9

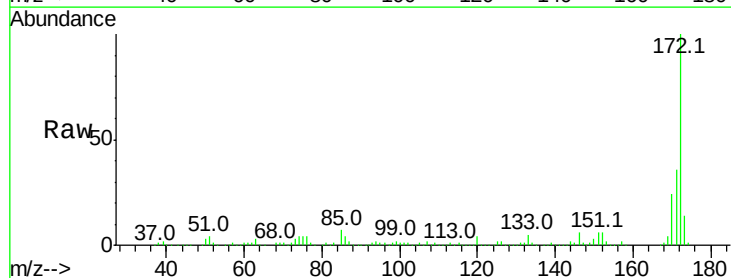


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

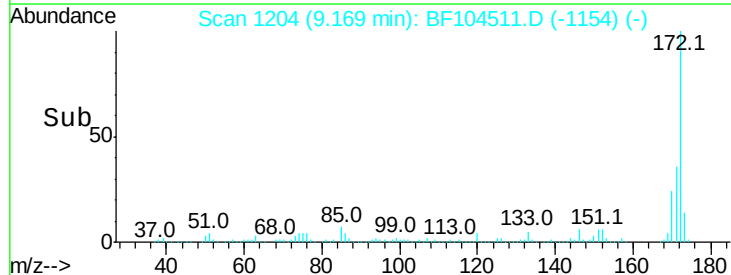
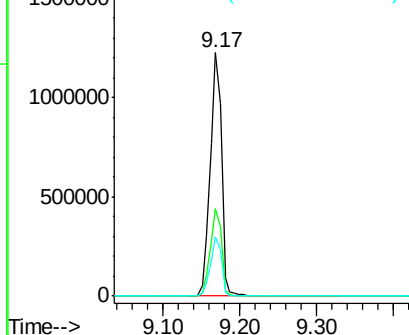


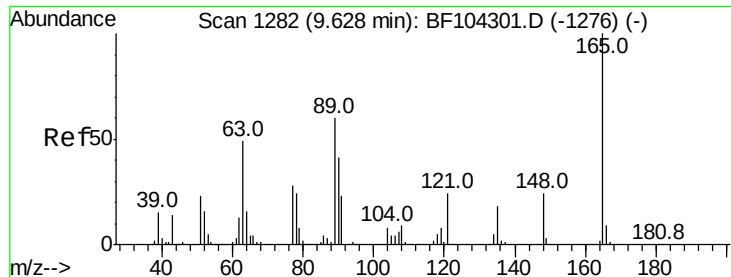
#44
 2-Fluorobiphenyl
 Concen: 99.056 ng
 RT: 9.17 min Scan# 1204
 Delta R.T. -0.01 min
 Lab File: BF104511.D
 Acq: 14 Apr 2018 7:58

Tgt Ion:172 Resp: 1233894
 Ion Ratio Lower Upper
 172 100
 171 35.9 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





#50

2,6-Dinitrotoluene

Concen: 8.649 ng

RT: 9.85 min Scan# 1319

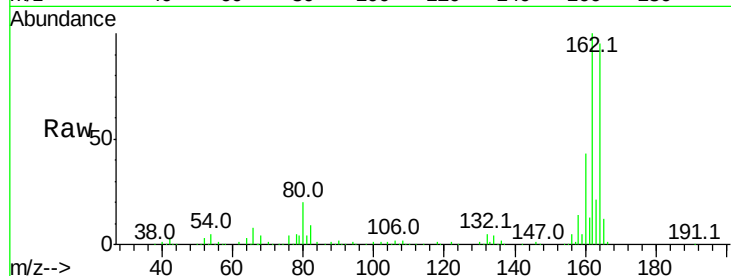
Delta R.T. 0.21 min

Lab File: BF104511.D

Acq: 14 Apr 2018 7:58

Instrument :
BNA_F
ClientSampleId :

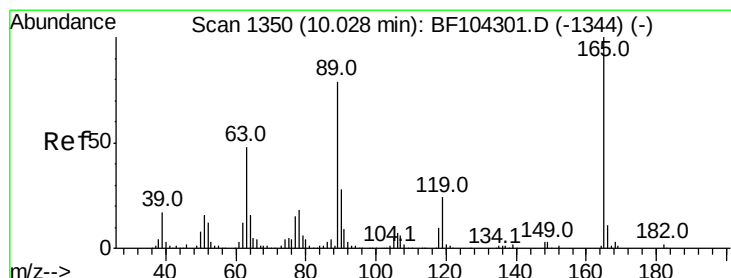
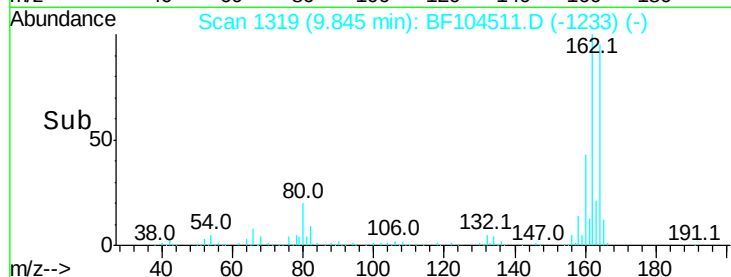
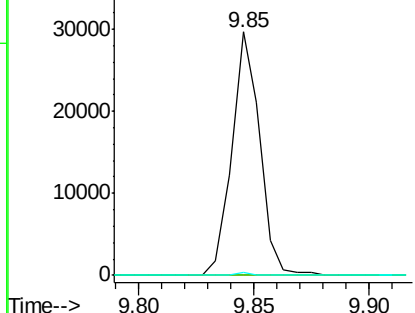
Tot Ion:	165	Resp:	24836
Ion	Ratio	Lower	Upper
165	100		
63	0.0	44.7	67.1#
89	1.2	44.0	66.0#



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1



#56

2,4-Dinitrotoluene

Concen: 6.594 ng

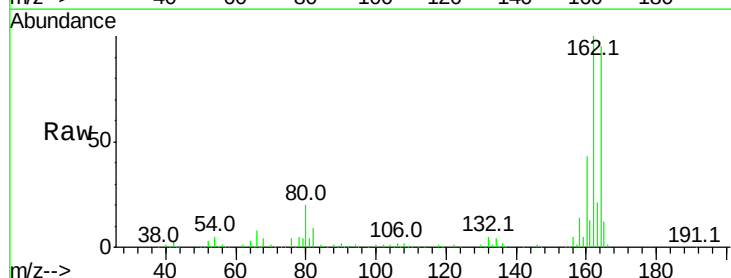
RT: 9.85 min Scan# 1319

Delta R.T. -0.20 min

Lab File: BF104511.D

Acq: 14 Apr 2018 7:58

Tgt Ion:	165	Resp:	24836
Ion	Ratio	Lower	Upper
165	100		
63	0.0	36.4	54.6#
89	1.2	57.8	86.6#
182	0.0	1.6	2.4#

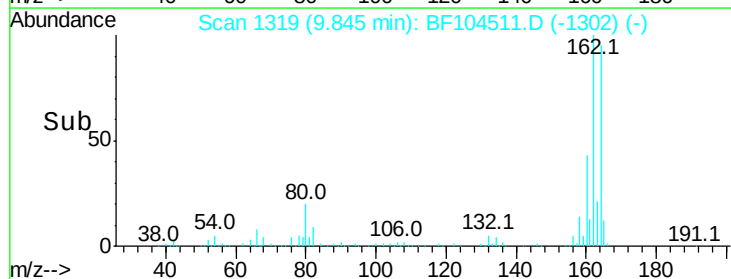
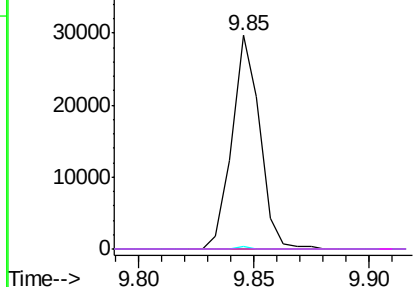


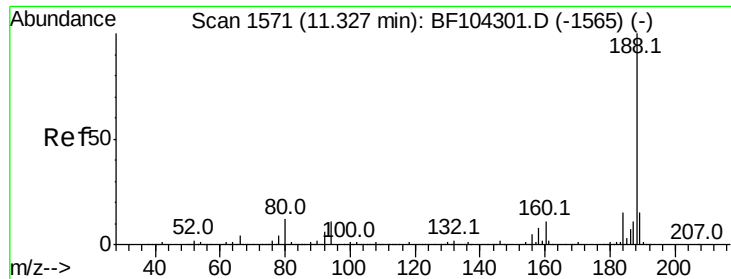
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E

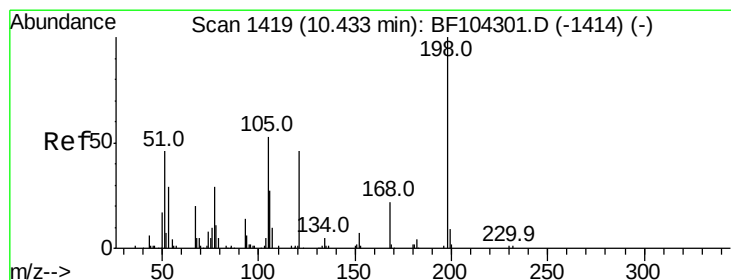
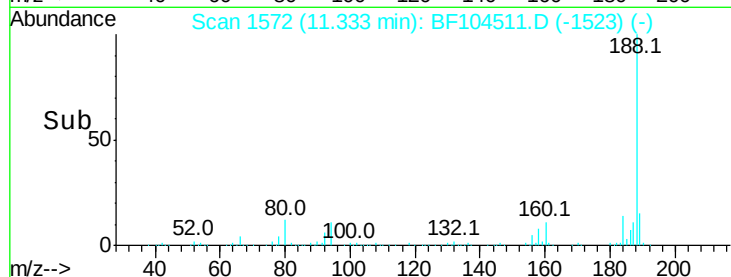
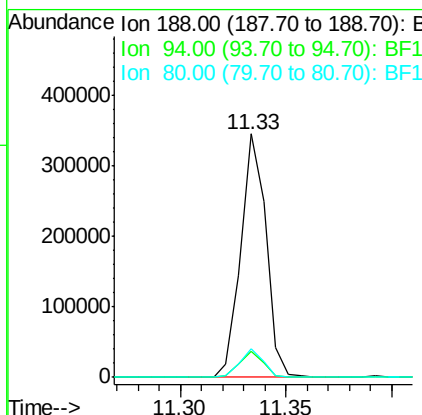
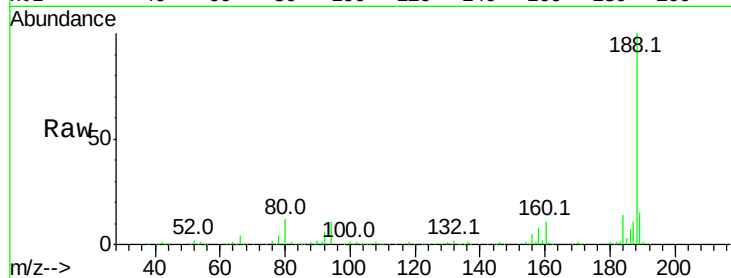




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.33 min Scan# 1572
Delta R.T. -0.01 min
Lab File: BF104511.D
Acq: 14 Apr 2018 7:58

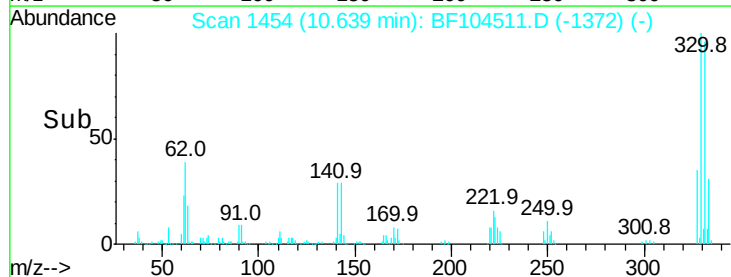
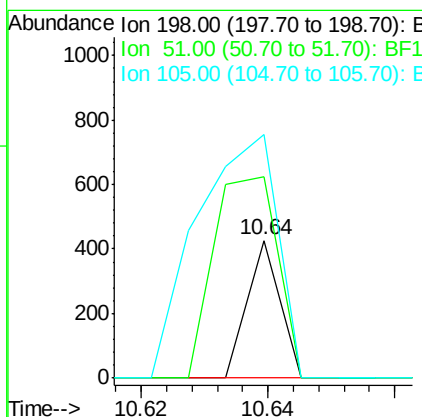
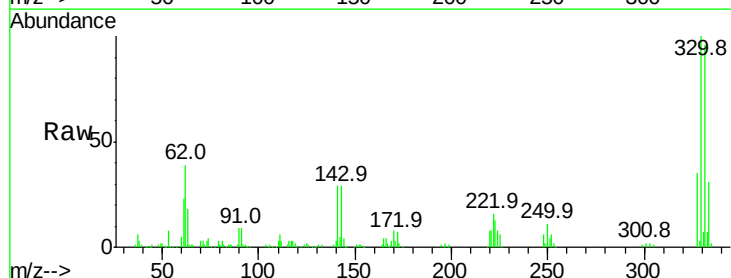
Instrument :
BNA_F
ClientSampleId :

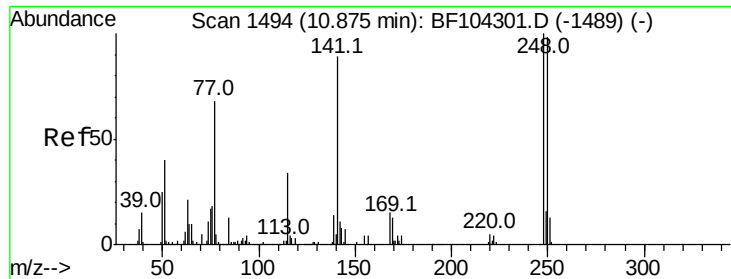
Tot Ion:188 Resp: 286179
Ion Ratio Lower Upper
188 100
94 10.6 8.5 12.7
80 11.5 9.2 13.8



#64
4,6-Dinitro-2-methylphenol
Concen: 7.438 ng
RT: 10.64 min Scan# 1454
Delta R.T. 0.18 min
Lab File: BF104511.D
Acq: 14 Apr 2018 7:58

Tgt Ion:198 Resp: 150
Ion Ratio Lower Upper
198 100
51 146.9 37.7 77.7#
105 177.2 36.3 76.3#

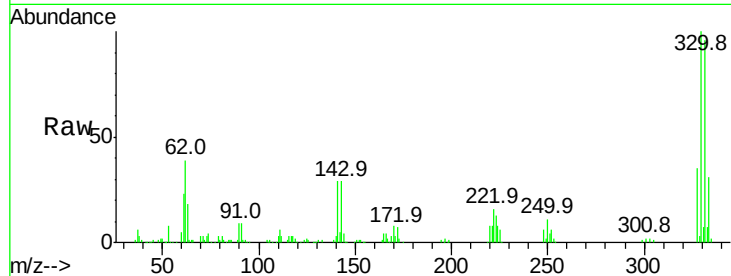




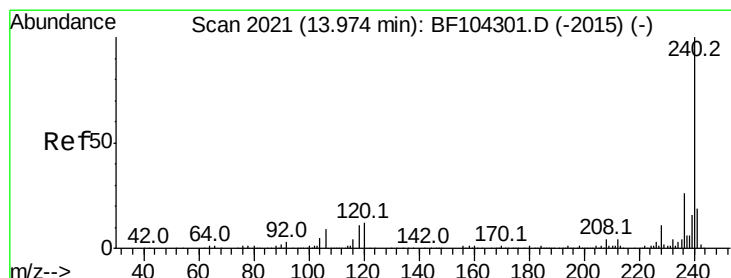
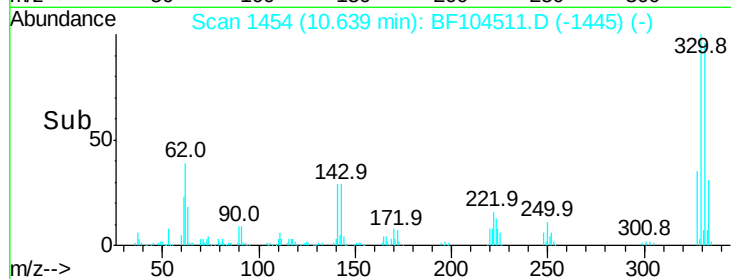
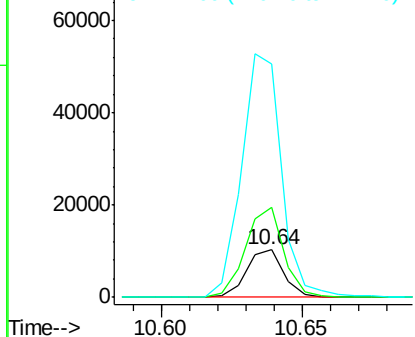
#66
 4-Bromophenyl-phenylether
 Concen: 3.080 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. -0.25 min
 Lab File: BF104511.D
 Acq: 14 Apr 2018 7:58

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:248 Resp: 9375
 Ion Ratio Lower Upper
 248 100
 250 190.5 76.9 115.3#
 141 489.8 74.4 111.6#

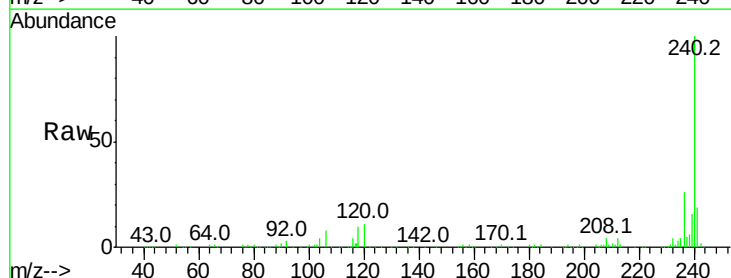


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

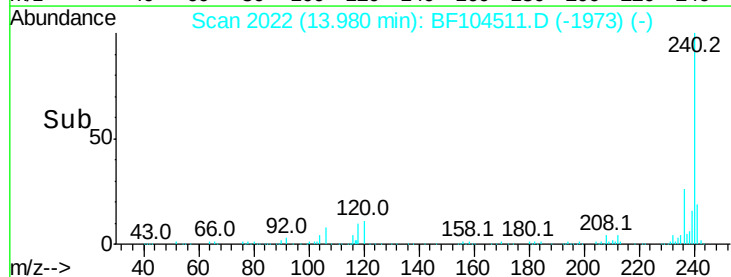
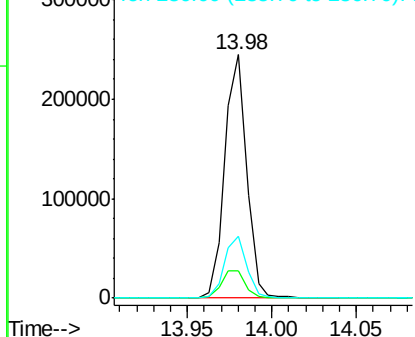


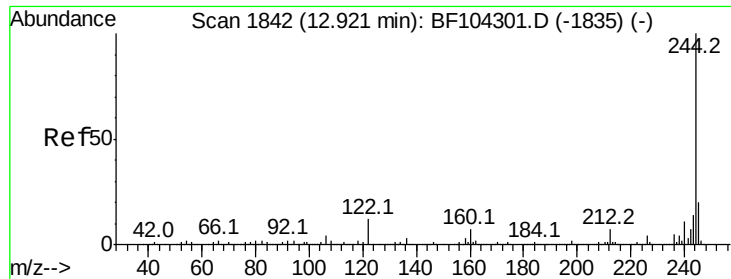
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.98 min Scan# 2022
 Delta R.T. -0.01 min
 Lab File: BF104511.D
 Acq: 14 Apr 2018 7:58

Tgt Ion:240 Resp: 221418
 Ion Ratio Lower Upper
 240 100
 120 11.2 9.5 14.3
 236 25.6 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

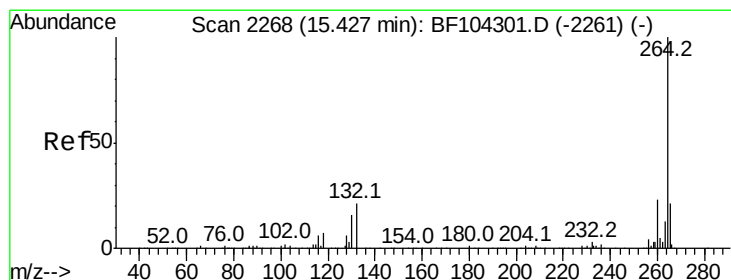
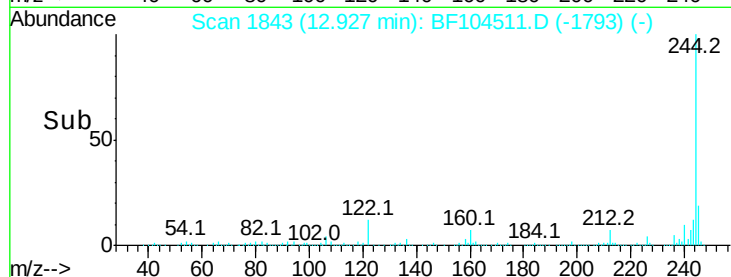
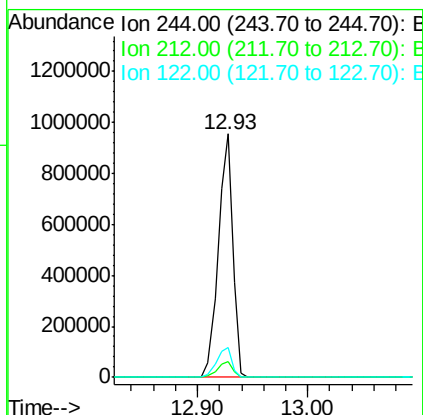
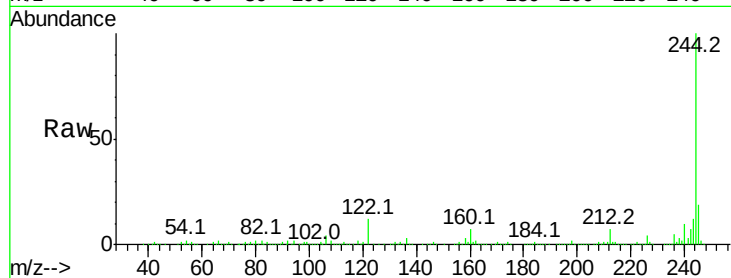




#78
 Terphenyl-d14
 Concen: 89.908 ng
 RT: 12.93 min Scan# 1843
 Delta R.T. -0.01 min
 Lab File: BF104511.D
 Acq: 14 Apr 2018 7:58

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:244 Resp: 873194
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.4 8.0
 122 12.3 11.0 16.4



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.44 min Scan# 2271
 Delta R.T. -0.01 min
 Lab File: BF104511.D
 Acq: 14 Apr 2018 7:58

Tgt Ion:264 Resp: 168988
 Ion Ratio Lower Upper
 264 100
 260 22.4 19.2 28.8
 265 21.0 17.5 26.3

