

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041618\
 Data File : BF104532.D
 Acq On : 16 Apr 2018 14:19
 Operator : JU/SJ
 Sample : J2360-02
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NAA-WS-002

Quant Time: Apr 16 14:53:59 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 16 12:15:25 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	182913	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	743567	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	324673	20.00	ng	0.00
63) Phenanthrene-d10	11.34	188	485902	20.00	ng	0.00
75) Chrysene-d12	13.99	240	347173	20.00	ng	0.00
86) Perylene-d12	15.46	264	302928	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.43	112	999735	83.57	ng	0.01
7) Phenol-d6	6.45	99	1366473	92.97	ng	0.00
23) Nitrobenzene-d5	7.37	82	860244	75.54	ng	0.00
41) 2,4,6-Tribromophenol	10.65	330	280624	83.32	ng	0.00
44) 2-Fluorobiphenyl	9.17	172	1396881	67.97	ng	0.00
78) Terphenyl-d14	12.93	244	1012394	66.48	ng	0.00

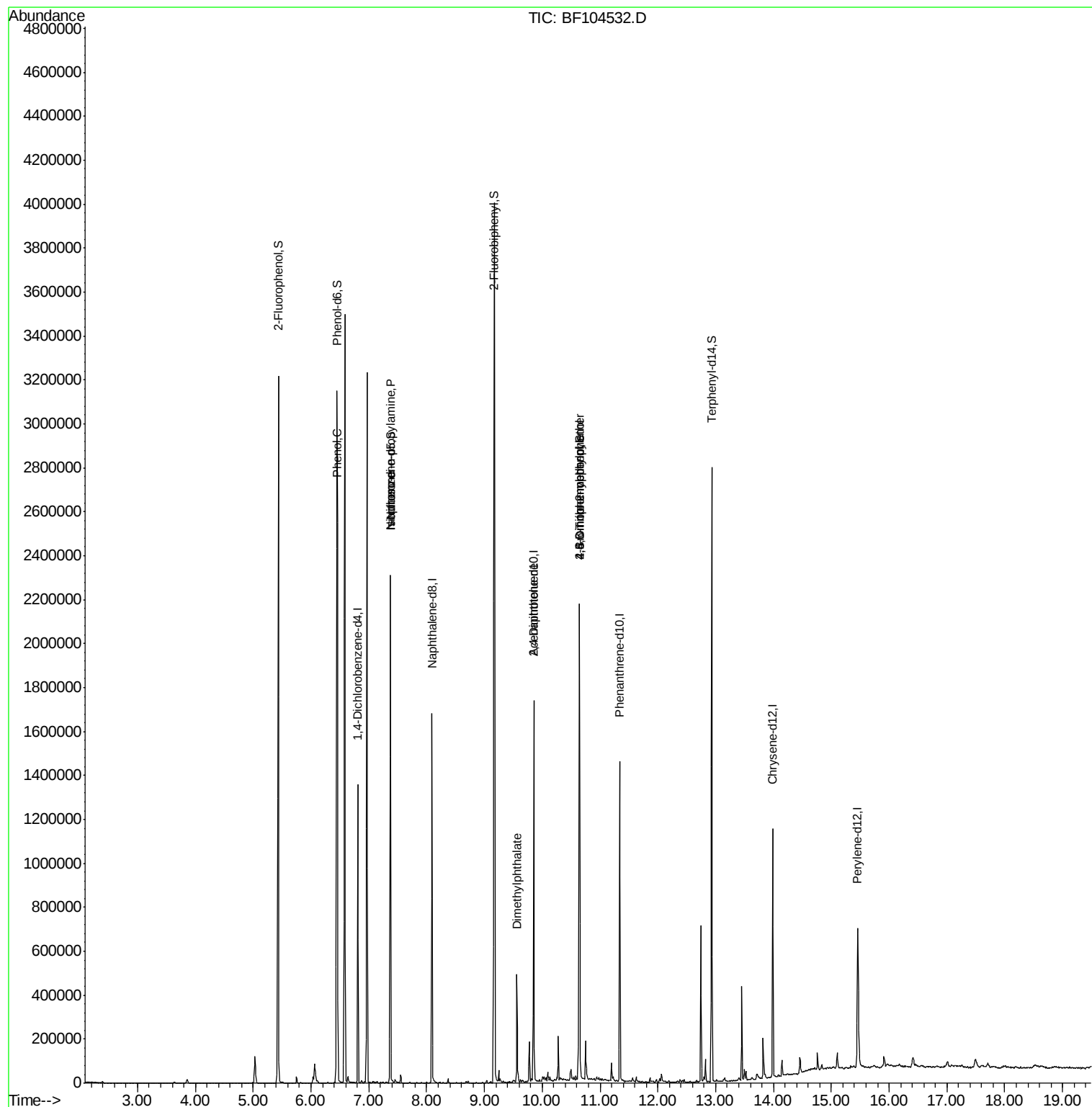
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.45	77	2610	Below Cal	#	1
10) Phenol	6.46	94	50816	3.258	ng	95
19) n-Nitroso-di-n-propylamine	7.37	70	112154	11.677	ng	75
25) Isophorone	7.37	82	860228	35.724	ng	64
49) Dimethylphthalate	9.56	163	182048	7.110	ng	100
56) 2,4-Dinitrotoluene	9.85	165	40904	6.582	ng	23
64) 4,6-Dinitro-2-methylphenol	10.65	198	393	7.488	ng	1
66) 4-Bromophenyl-phenylether	10.65	248	16613	3.214	ng	1
76) Benzidine	12.93	184	12887	Below Cal	#	96

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

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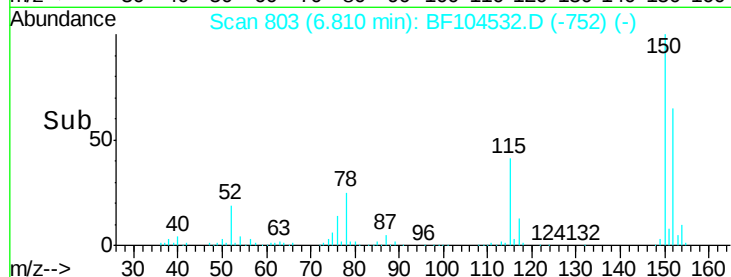
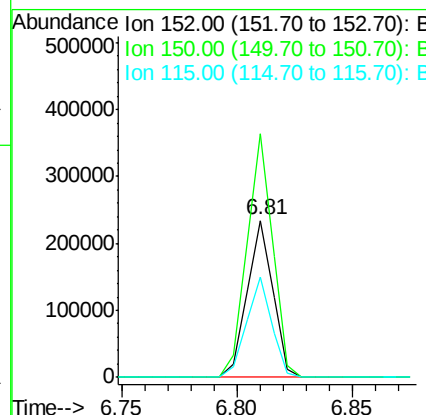
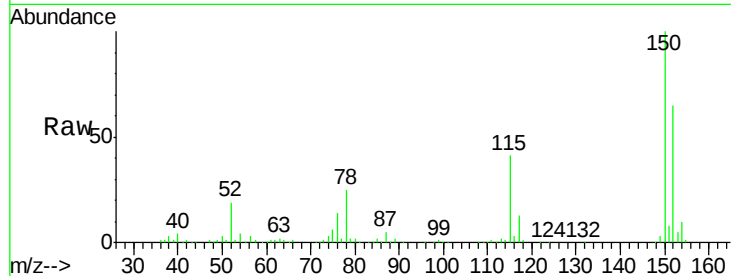


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.81 min Scan# 803
Delta R.T. 0.00 min
Lab File: BF104532.D
Acq: 16 Apr 2018 14:19

Instrument :
BNA_F
ClientSampleId :
NAA-WS-002

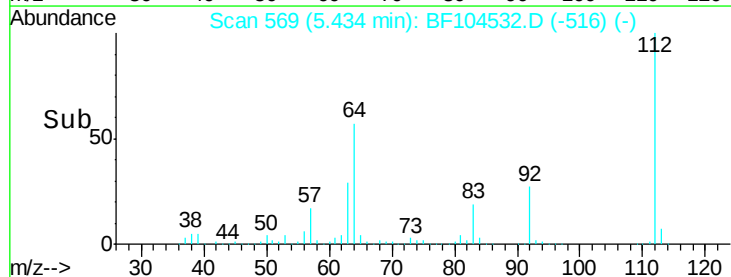
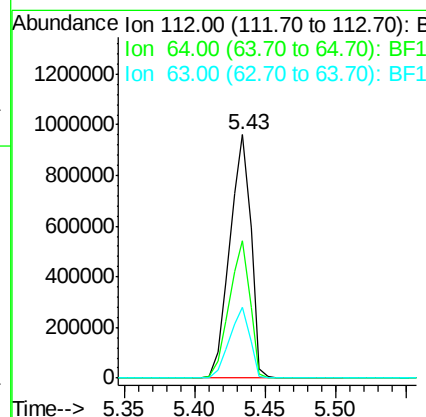
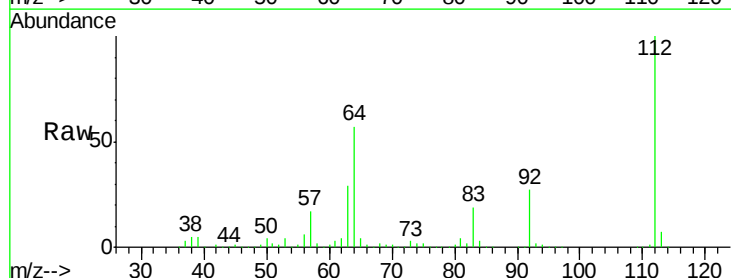
Tot Ion:152 Resp: 182913
Ion Ratio Lower Upper
152 100
150 155.0 124.6 186.8
115 63.5 50.1 75.1



#5

2-Fluorophenol
Concen: 83.573 ng
RT: 5.43 min Scan# 569
Delta R.T. 0.01 min
Lab File: BF104532.D
Acq: 16 Apr 2018 14:19

Tgt Ion:112 Resp: 999735
Ion Ratio Lower Upper
112 100
64 56.5 47.9 71.9
63 29.2 23.7 35.5





#7

Phenol-d6

Concen: 92.970 ng

RT: 6.45 min Scan# 742

Delta R.T. 0.00 min

Lab File: BF104532.D

Acq: 16 Apr 2018 14:19

Instrument :

BNA_F

ClientSampleId :

NAA-WS-002

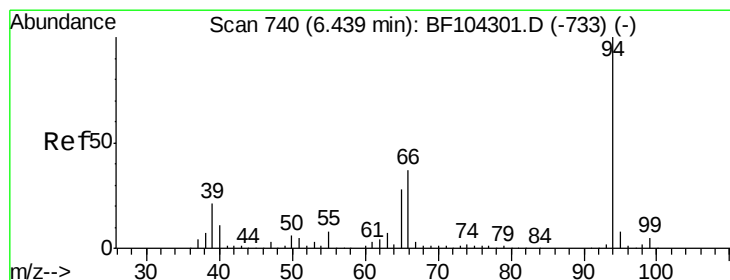
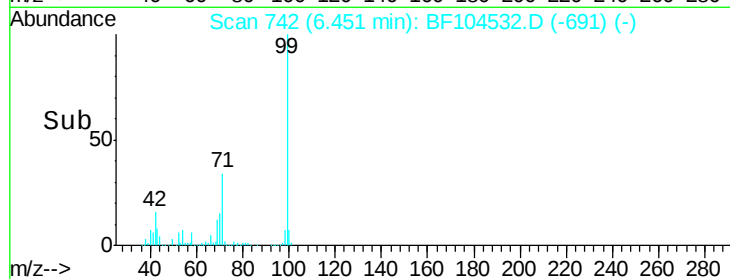
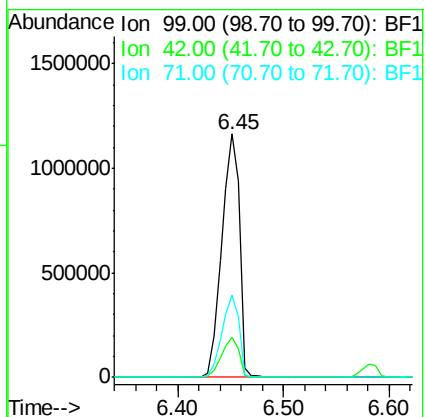
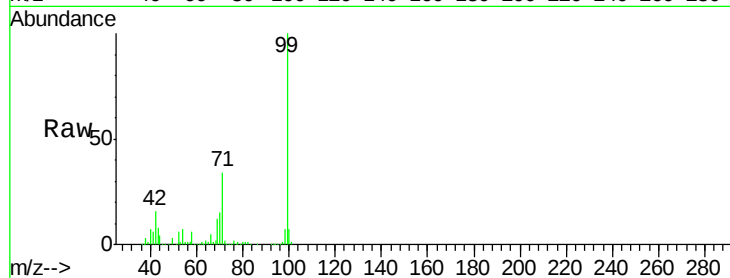
Tot Ion: 99 Resp: 1366473

Ion Ratio Lower Upper

99 100

42 16.4 14.5 21.7

71 33.9 25.4 38.0



#10

Phenol

Concen: 3.258 ng

RT: 6.46 min Scan# 744

Delta R.T. 0.00 min

Lab File: BF104532.D

Acq: 16 Apr 2018 14:19

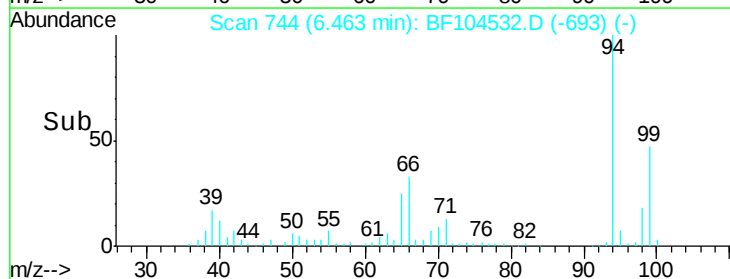
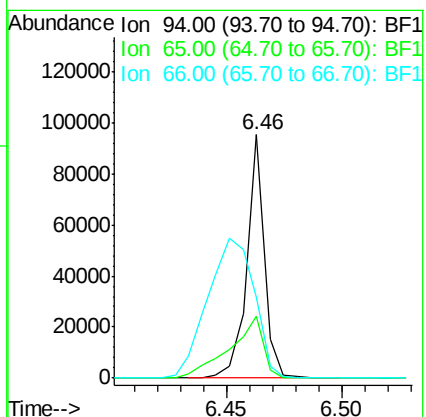
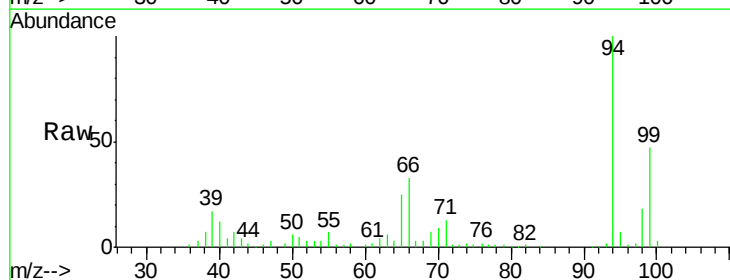
Tgt Ion: 94 Resp: 50816

Ion Ratio Lower Upper

94 100

65 25.5 7.9 47.9

66 33.3 16.2 56.2

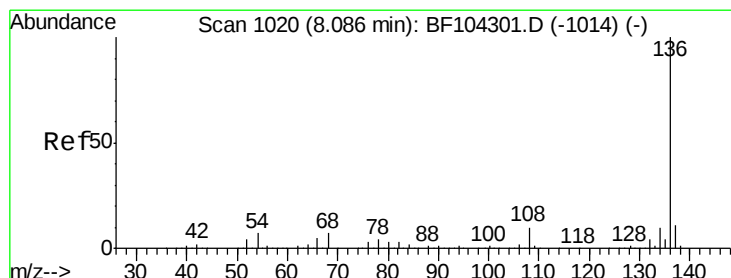
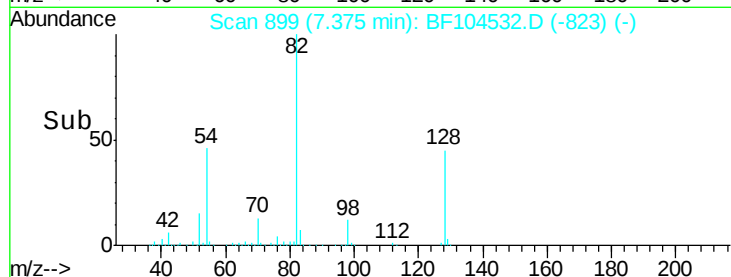
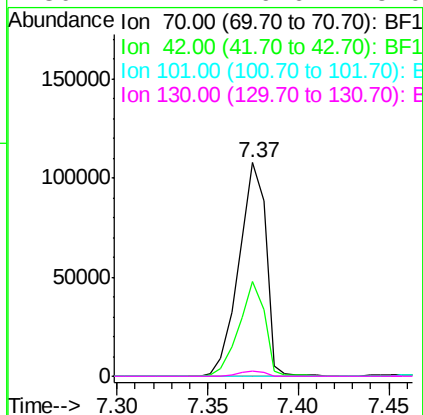
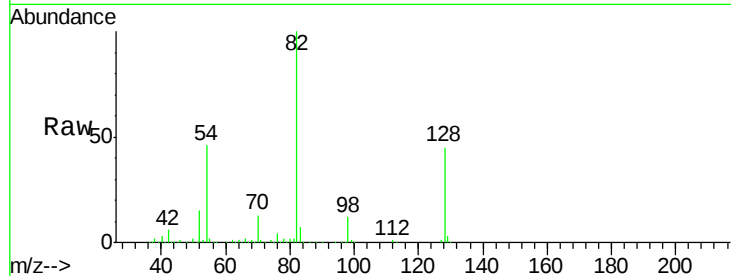




#19
n-Nitroso-di-n-propylamine
Concen: 11.677 ng
RT: 7.37 min Scan# 899
Delta R.T. 0.15 min
Lab File: BF104532.D
Acq: 16 Apr 2018 14:19

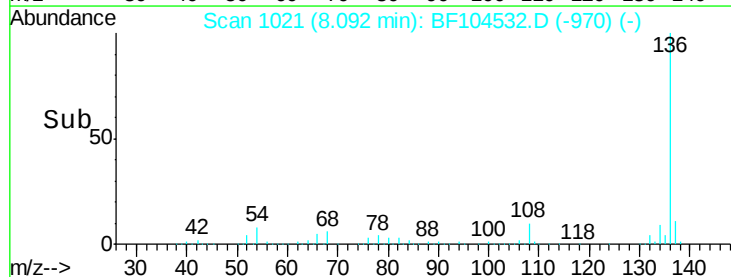
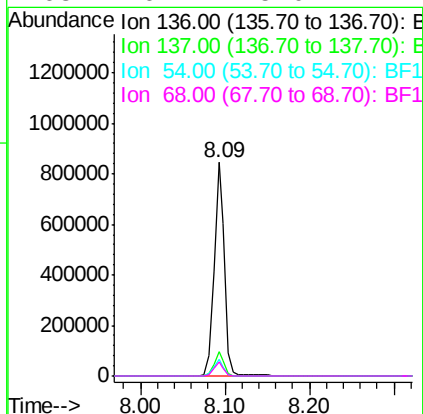
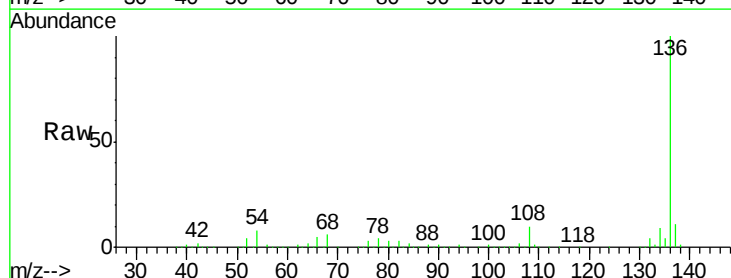
Instrument :
BNA_F
ClientSampleId :
NAA-WS-002

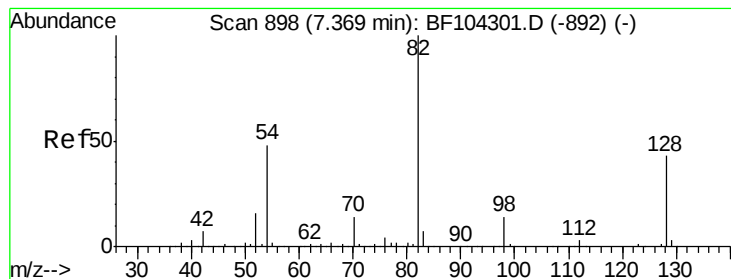
Tot Ion: 70 Resp: 112154
Ion Ratio Lower Upper
70 100
42 44.6 47.5 71.3#
101 0.0 7.4 11.2#
130 2.4 16.6 25.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1021
Delta R.T. 0.00 min
Lab File: BF104532.D
Acq: 16 Apr 2018 14:19

Tgt Ion:136 Resp: 743567
Ion Ratio Lower Upper
136 100
137 11.4 8.9 13.3
54 7.5 6.6 9.8
68 6.4 5.0 7.4





#23

Nitrobenzene-d5

Concen: 75.544 ng

RT: 7.37 min Scan# 899

Delta R.T. -0.01 min

Lab File: BF104532.D

Acq: 16 Apr 2018 14:19

Instrument :

BNA_F

ClientSampleId :

NAA-WS-002

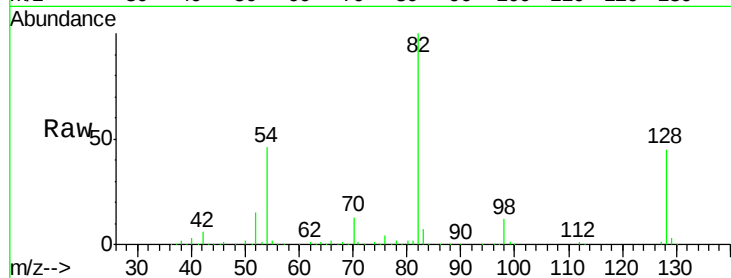
Tot Ion: 82 Resp: 860244

Ion Ratio Lower Upper

82 100

128 45.2 36.1 54.1

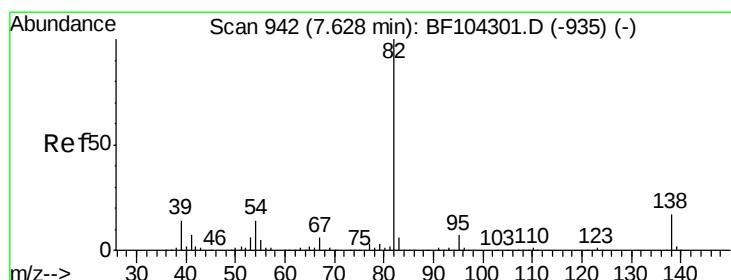
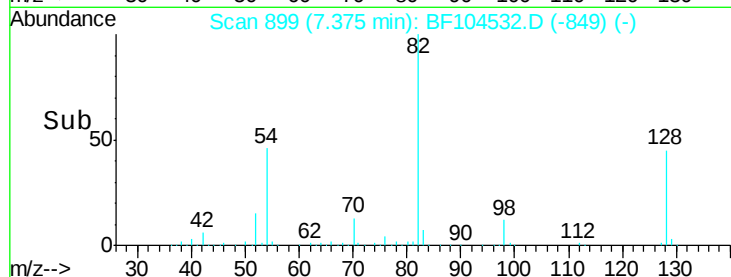
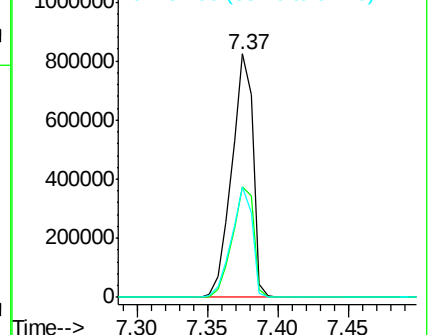
54 45.5 41.4 62.2



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): BF1

Ion 54.00 (53.70 to 54.70): BF1



#25

Isophorone

Concen: 35.724 ng

RT: 7.37 min Scan# 899

Delta R.T. -0.26 min

Lab File: BF104532.D

Acq: 16 Apr 2018 14:19

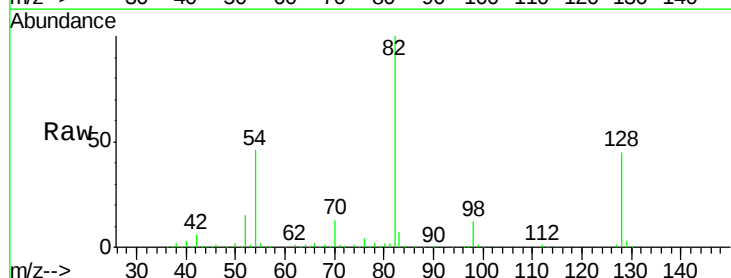
Tgt Ion: 82 Resp: 860228

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

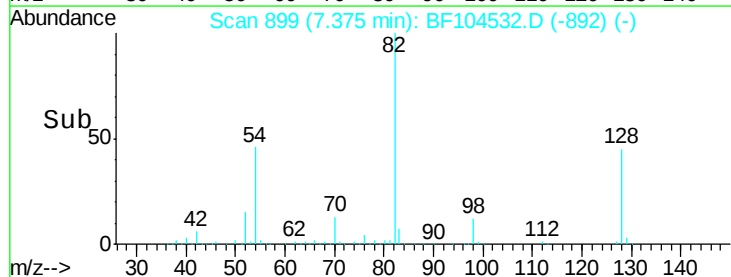
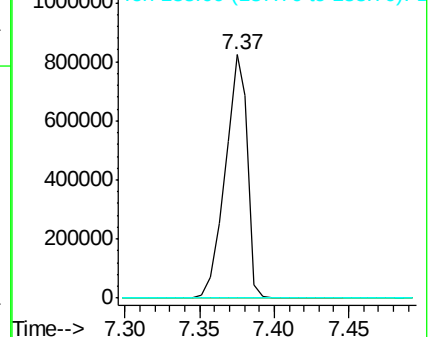
138 0.0 14.9 22.3#

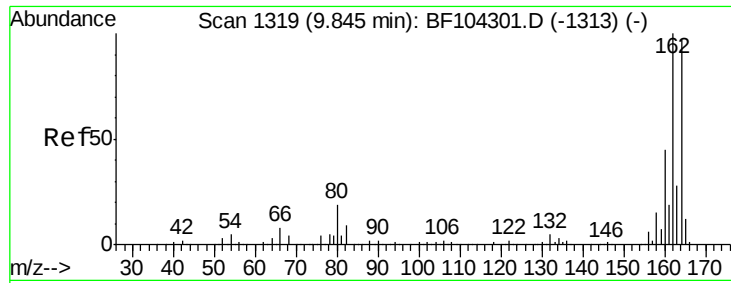


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1

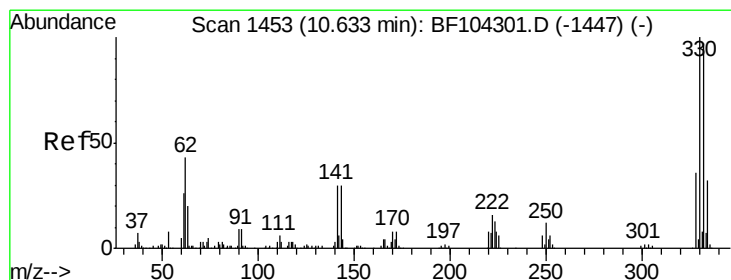
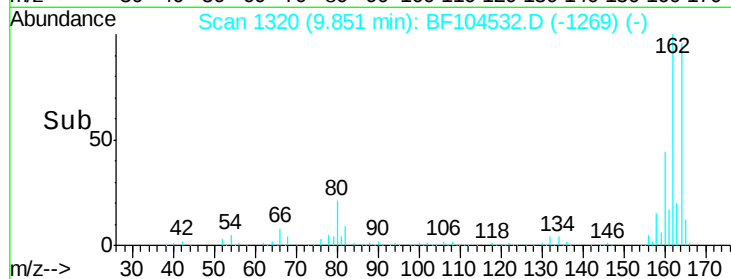
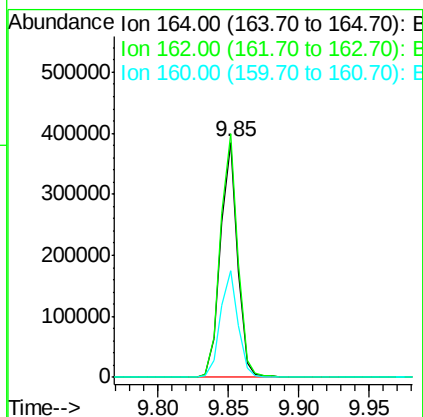
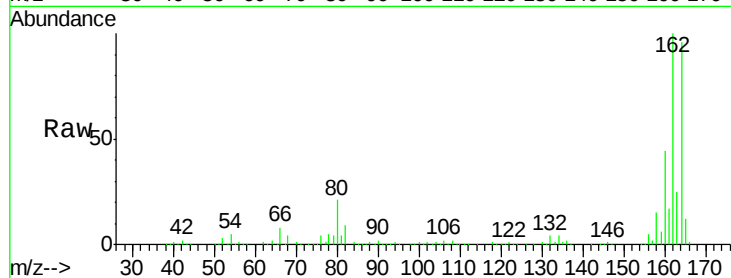




#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.85 min Scan# 1320
 Delta R.T. 0.00 min
 Lab File: BF104532.D
 Acq: 16 Apr 2018 14:19

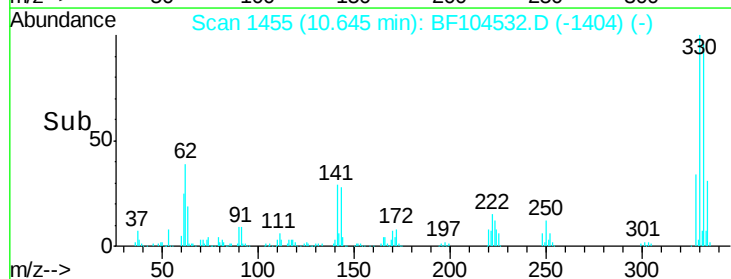
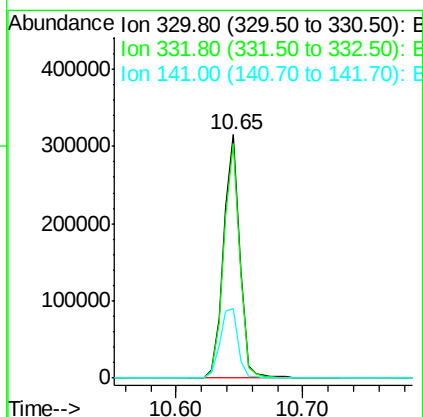
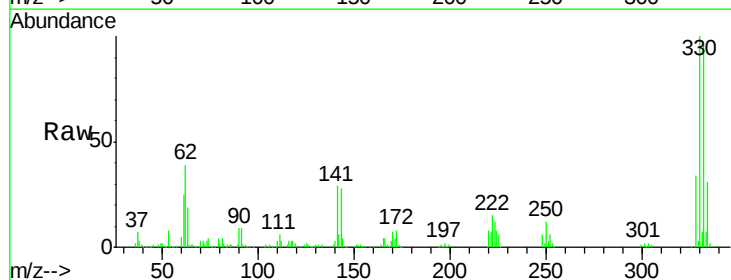
Instrument :
 BNA_F
 ClientSampleId :
 NAA-WS-002

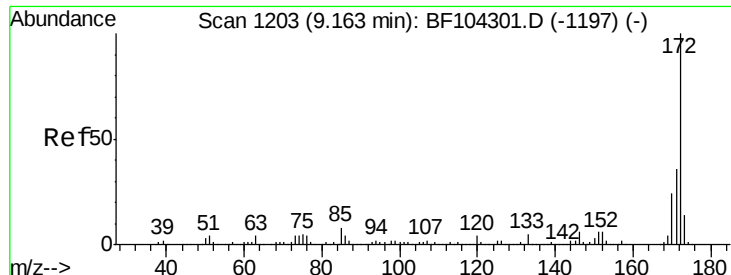
Tot Ion:164 Resp: 324673
 Ion Ratio Lower Upper
 164 100
 162 103.7 86.1 129.1
 160 45.3 38.3 57.5



#41
 2,4,6-Tribromophenol
 Concen: 83.323 ng
 RT: 10.65 min Scan# 1455
 Delta R.T. 0.00 min
 Lab File: BF104532.D
 Acq: 16 Apr 2018 14:19

Tgt Ion:330 Resp: 280624
 Ion Ratio Lower Upper
 330 100
 332 95.4 77.0 115.6
 141 32.5 29.9 44.9

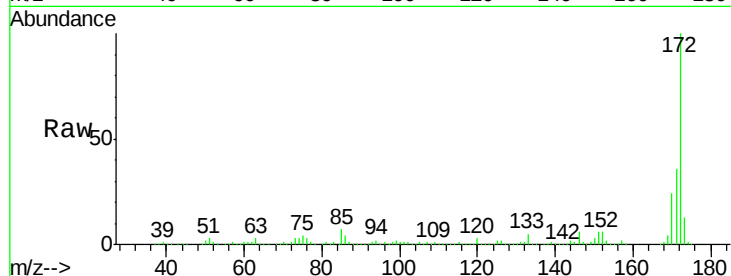




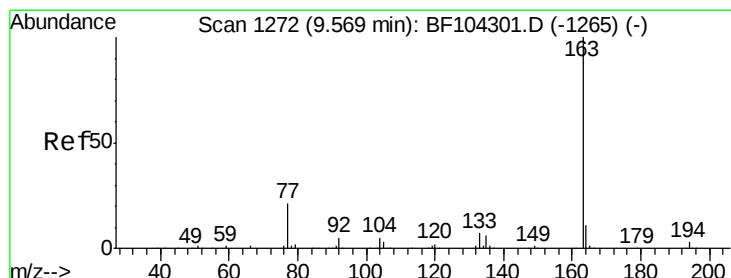
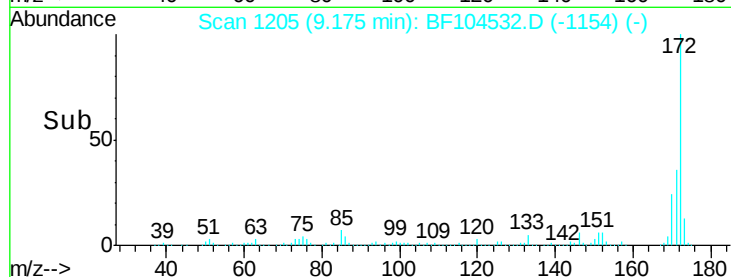
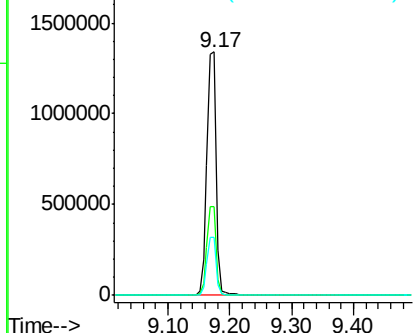
#44
2-Fluorobiphenyl
Concen: 67.968 ng
RT: 9.17 min Scan# 1205
Delta R.T. 0.00 min
Lab File: BF104532.D
Acq: 16 Apr 2018 14:19

Instrument :
BNA_F
ClientSampleId :
NAA-WS-002

Tot Ion:172 Resp: 1396881
Ion Ratio Lower Upper
172 100
171 36.3 29.7 44.5
170 24.1 19.6 29.4

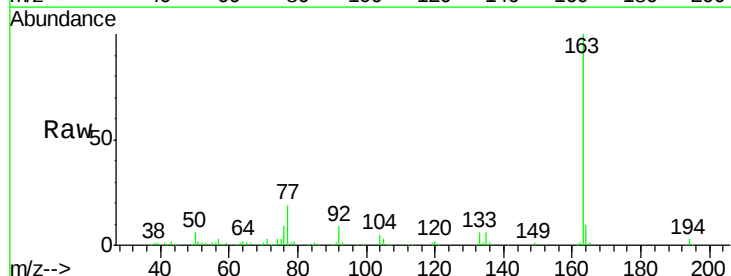


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

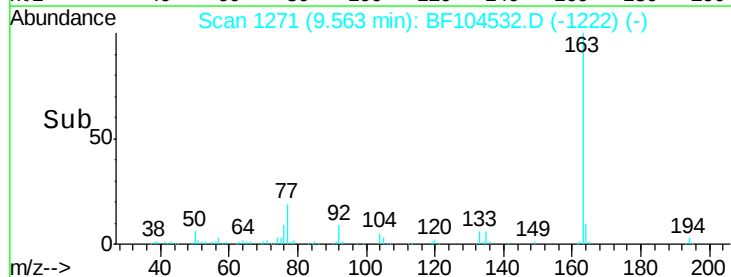
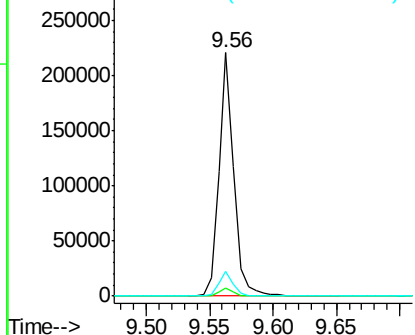


#49
Dimethylphthalate
Concen: 7.110 ng
RT: 9.56 min Scan# 1271
Delta R.T. -0.01 min
Lab File: BF104532.D
Acq: 16 Apr 2018 14:19

Tgt Ion:163 Resp: 182048
Ion Ratio Lower Upper
163 100
194 3.3 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

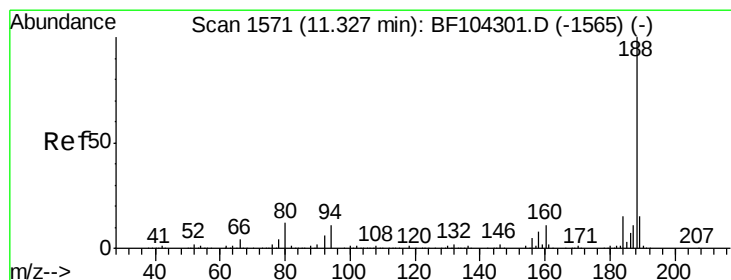
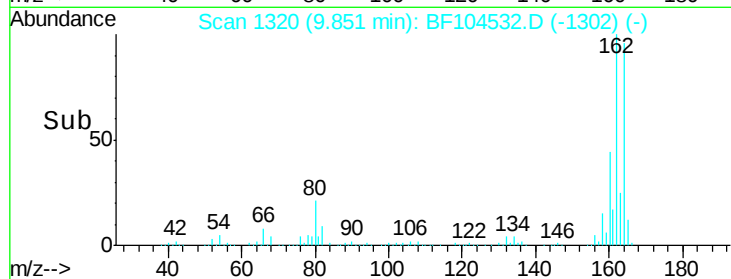
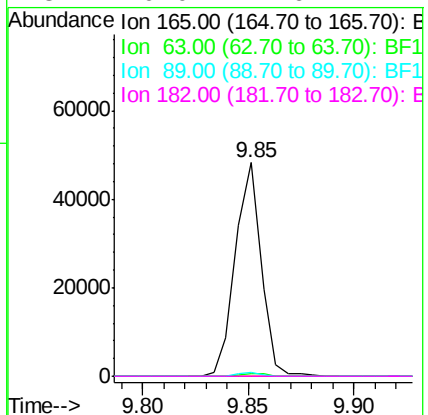
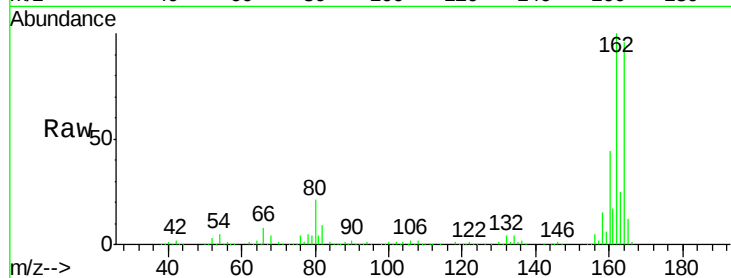




#56
 2,4-Dinitrotoluene
 Concen: 6.582 ng
 RT: 9.85 min Scan# 1320
 Delta R.T. -0.19 min
 Lab File: BF104532.D
 Acq: 16 Apr 2018 14:19

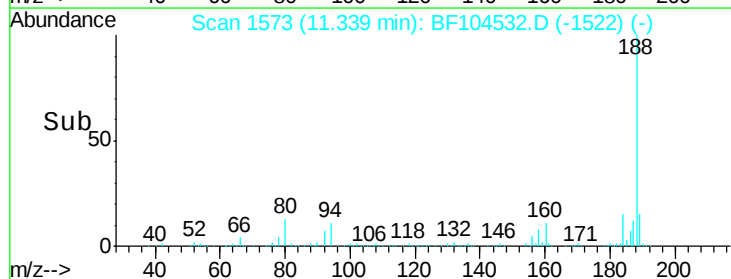
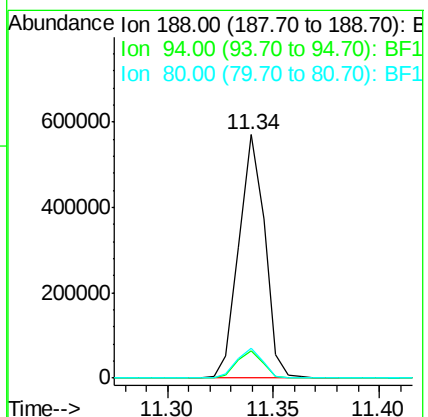
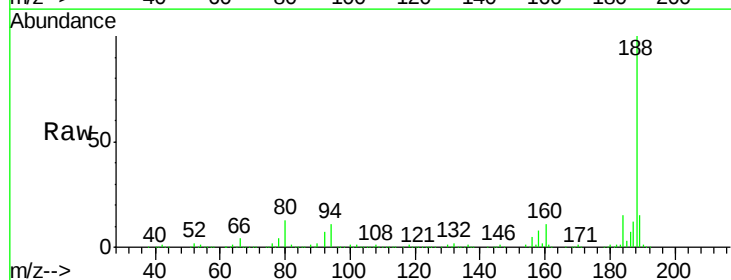
Instrument :
 BNA_F
 ClientSampleId :
 NAA-WS-002

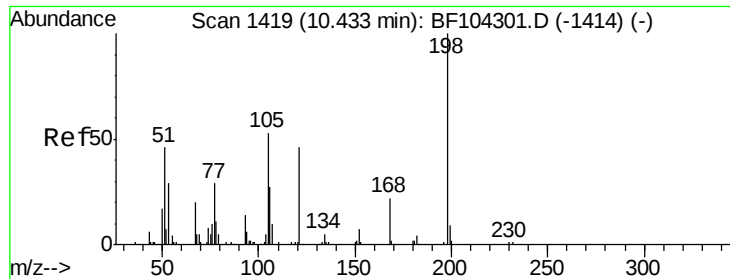
Tot Ion:	165	Resp:	40904
Ion	Ratio	Lower	Upper
165	100		
63	1.2	36.4	54.6#
89	1.8	57.8	86.6#
182	0.0	1.6	2.4#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.34 min Scan# 1573
 Delta R.T. 0.00 min
 Lab File: BF104532.D
 Acq: 16 Apr 2018 14:19

Tgt Ion:	188	Resp:	485902
Ion	Ratio	Lower	Upper
188	100		
94	11.3	8.5	12.7
80	12.5	9.2	13.8





#64

4,6-Dinitro-2-methylphenol

Concen: 7.488 ng

RT: 10.65 min Scan# 1455

Delta R.T. 0.19 min

Lab File: BF104532.D

Acq: 16 Apr 2018 14:19

Instrument :

BNA_F

ClientSampleId :

NAA-WS-002

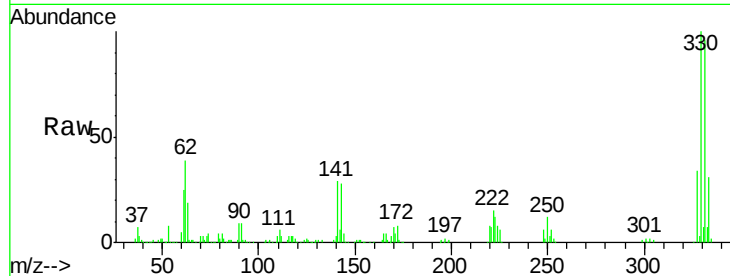
Tot Ion:198 Resp: 393

Ion Ratio Lower Upper

198 100

51 113.6 37.7 77.7#

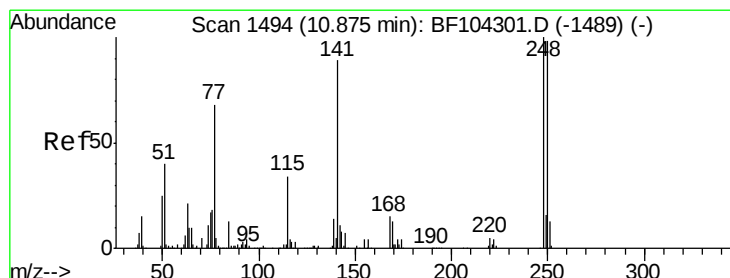
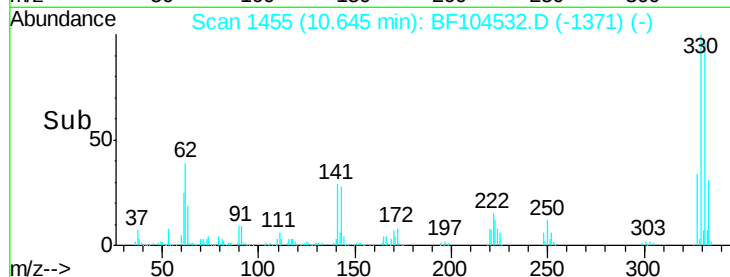
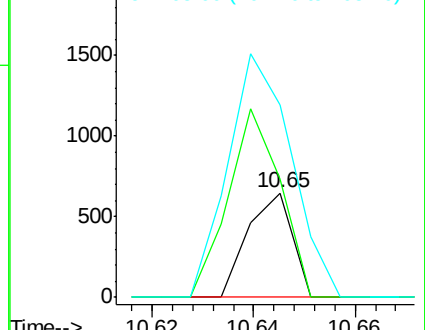
105 184.7 36.3 76.3#



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: 3.214 ng

RT: 10.65 min Scan# 1455

Delta R.T. -0.24 min

Lab File: BF104532.D

Acq: 16 Apr 2018 14:19

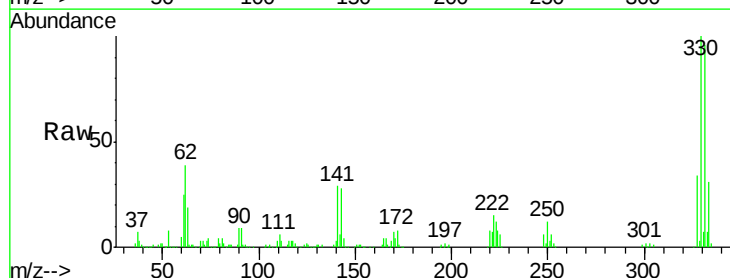
Tgt Ion:248 Resp: 16613

Ion Ratio Lower Upper

248 100

250 202.7 76.9 115.3#

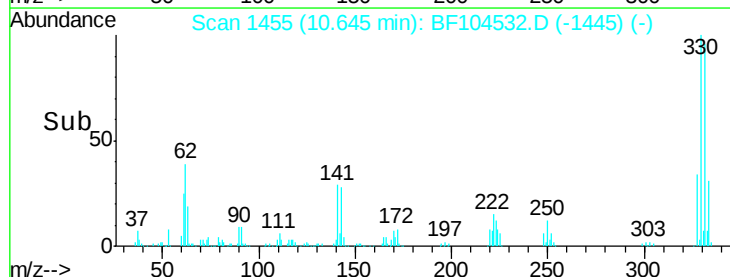
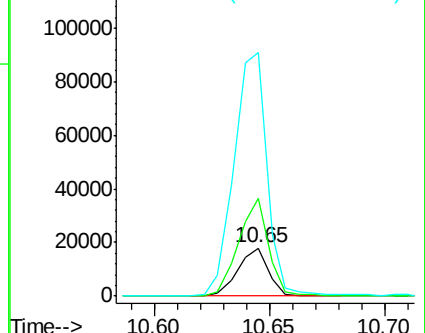
141 507.7 74.4 111.6#

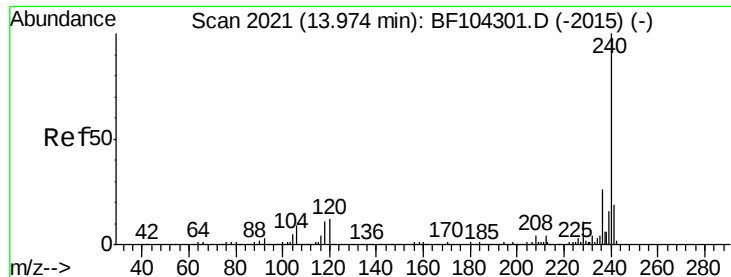


Abundance Ion 248.00 (247.70 to 248.70): E

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: 13.99 min Scan# 2023

Delta R.T. -0.01 min

Lab File: BF104532.D

Acq: 16 Apr 2018 14:19

Instrument :

BNA_F

ClientSampleId :

NAA-WS-002

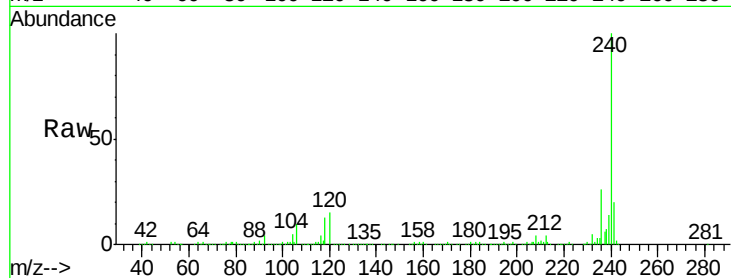
Tot Ion:240 Resp: 347173

Ion Ratio Lower Upper

240 100

120 14.6 9.5 14.3#

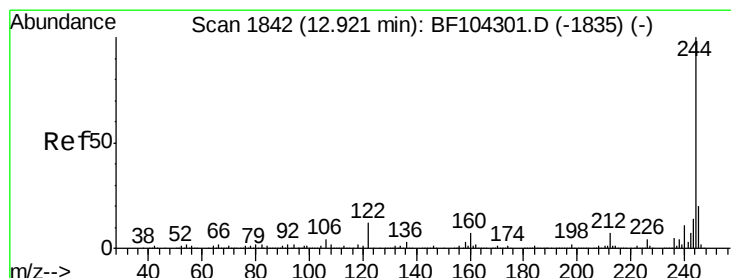
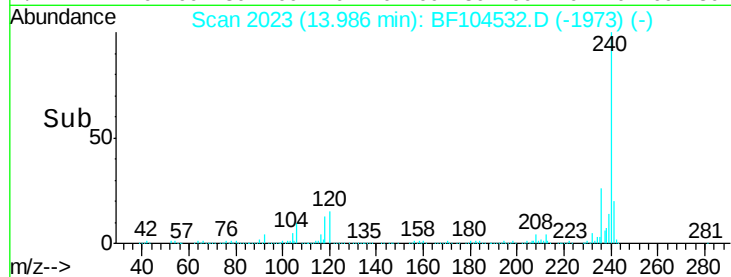
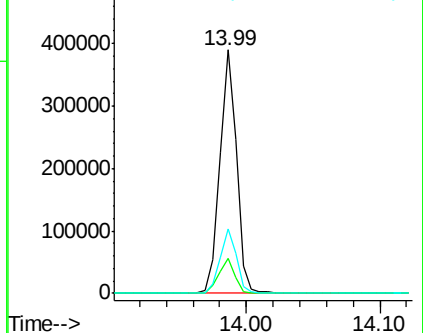
236 26.3 20.7 31.1



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: 66.482 ng

RT: 12.93 min Scan# 1844

Delta R.T. 0.01 min

Lab File: BF104532.D

Acq: 16 Apr 2018 14:19

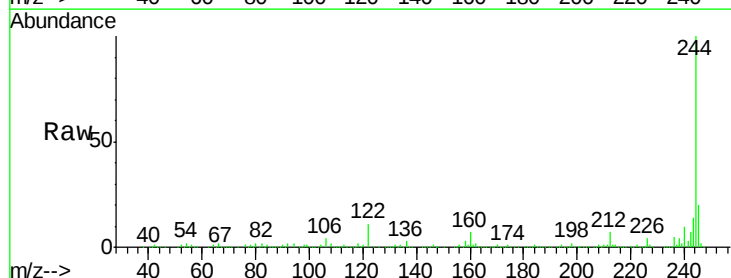
Tgt Ion:244 Resp: 1012394

Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.0

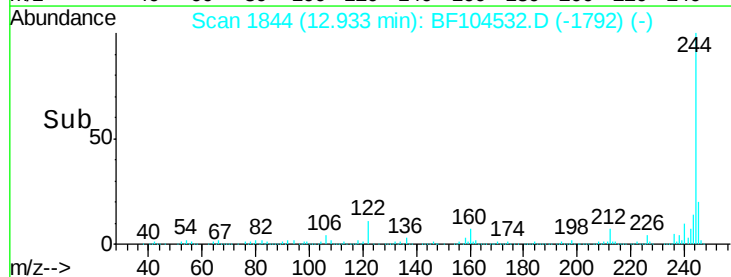
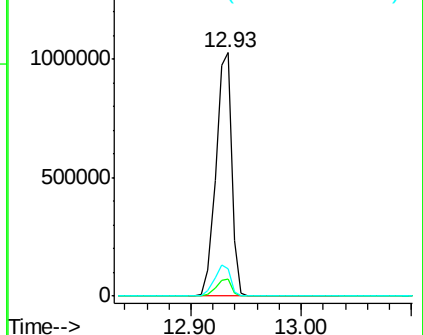
122 11.4 11.0 16.4

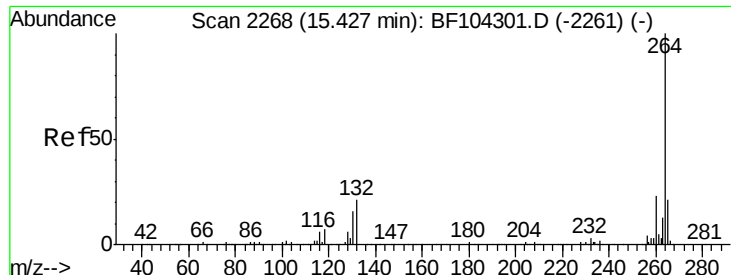


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.46 min Scan# 2273
Delta R.T. 0.00 min
Lab File: BF104532.D
Acq: 16 Apr 2018 14:19

Instrument :
BNA_F
ClientSampleId :
NAA-WS-002

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.2	19.2	28.8
265	21.4	17.5	26.3

