

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041618\
 Data File : BF104559.D
 Acq On : 17 Apr 2018 3:05
 Operator : JU/SJ
 Sample : J2360-04
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NAA-WS-004

Quant Time: Apr 17 03:37:46 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	169236	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	680730	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	275427	20.00	ng	0.00
63) Phenanthrene-d10	11.34	188	406769	20.00	ng	0.00
75) Chrysene-d12	13.99	240	324565	20.00	ng	0.00
86) Perylene-d12	15.45	264	242379	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.43	112	1019976	92.16	ng	0.01
7) Phenol-d6	6.45	99	1251314	92.02	ng	0.00
23) Nitrobenzene-d5	7.37	82	784699	75.27	ng	0.00
41) 2,4,6-Tribromophenol	10.65	330	229244	80.24	ng	0.00
44) 2-Fluorobiphenyl	9.17	172	1276060	73.19	ng	0.00
78) Terphenyl-d14	12.93	244	925752	65.03	ng	0.00

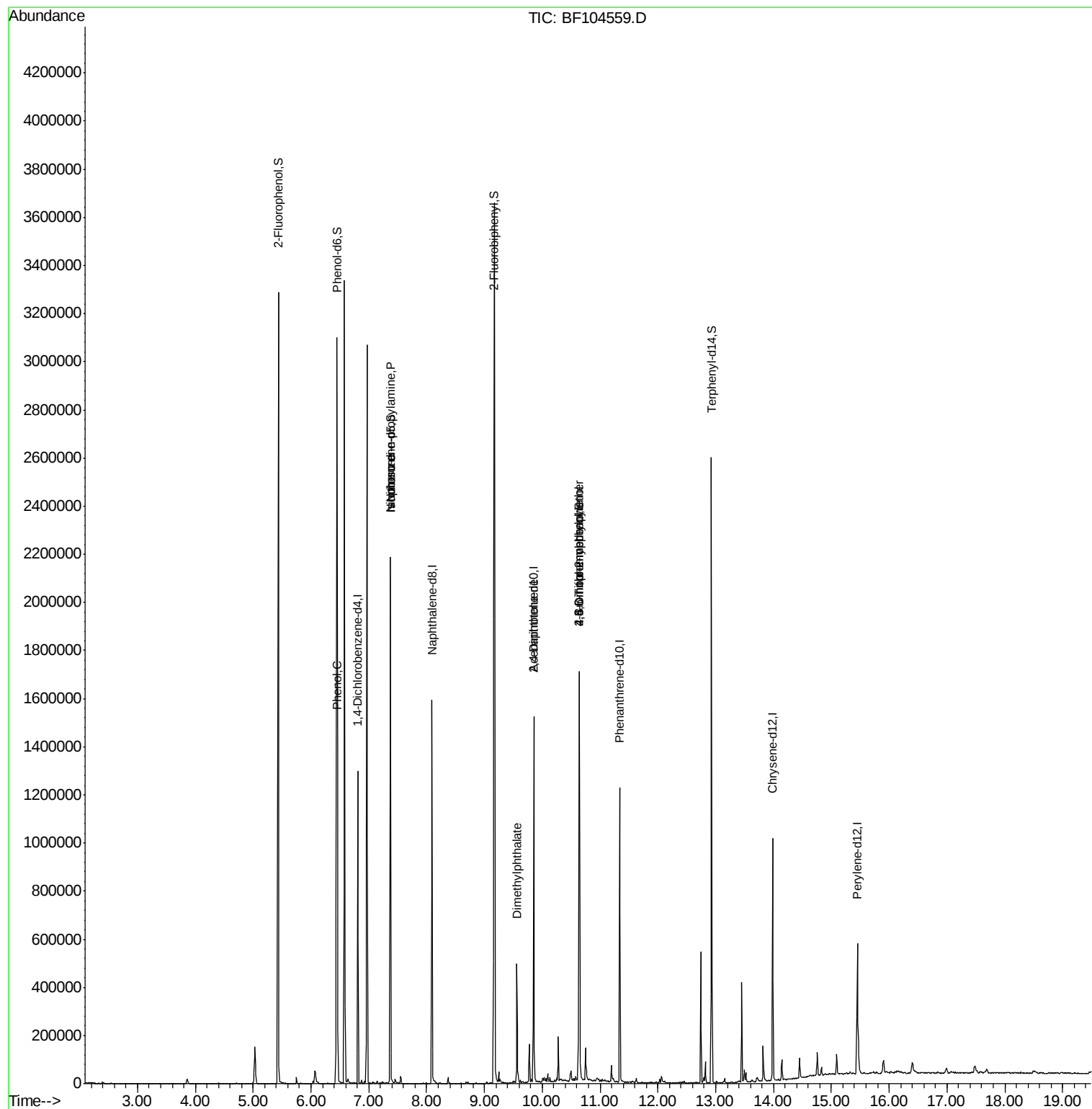
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.46	94	47599	3.299	ng	92
19) n-Nitroso-di-n-propylamine	7.37	70	102708	11.558	ng	# 73
25) Isophorone	7.37	82	784688	35.595	ng	# 64
49) Dimethylphthalate	9.56	163	188838	8.694	ng	100
56) 2,4-Dinitrotoluene	9.85	165	35126	6.663	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.65	198	329	7.488	ng	# 1
66) 4-Bromophenyl-phenylether	10.64	248	14308	3.307	ng	# 1
76) Benzidine	12.93	184	11792	Below Cal		# 93

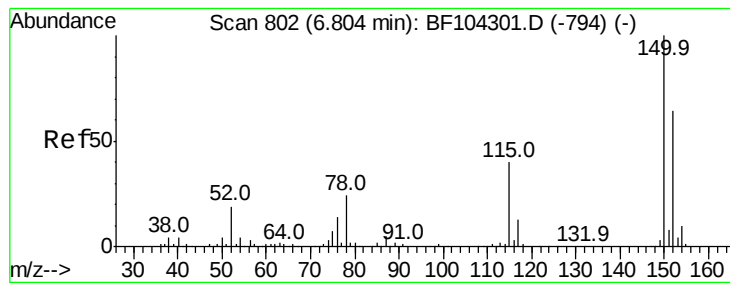
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BF104559.D

Acq: 17 Apr 2018 3:05

Instrument :

BNA_F

ClientSampleId :

NAA-WS-004

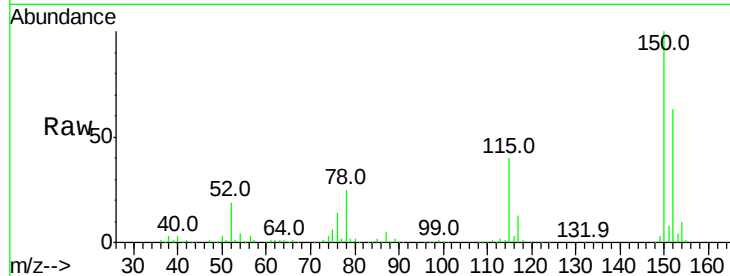
Tot Ion:152 Resp: 169236

Ion Ratio Lower Upper

152 100

150 159.2 124.6 186.8

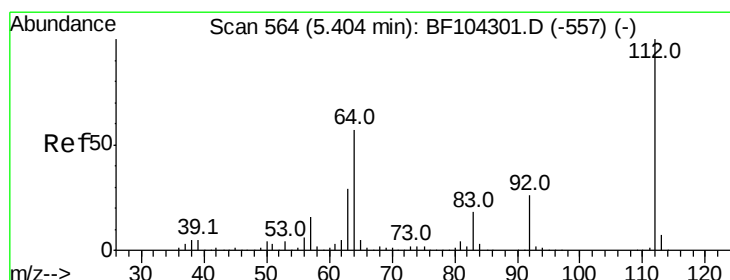
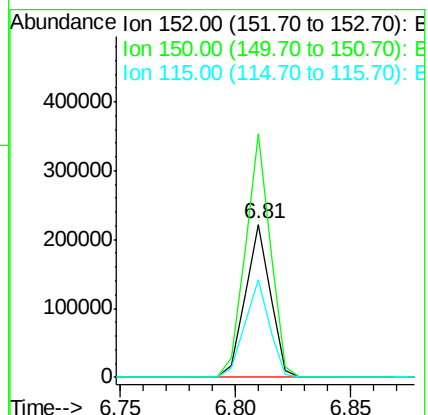
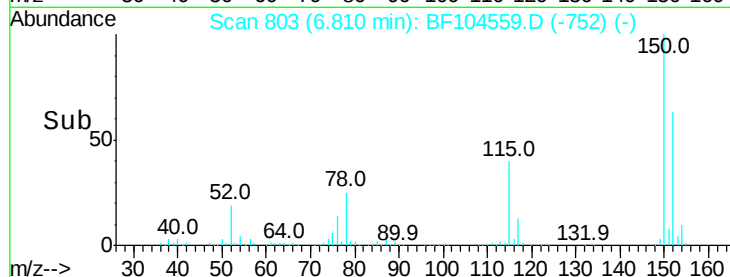
115 63.5 50.1 75.1



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: 92.155 ng

RT: 5.43 min Scan# 569

Delta R.T. 0.01 min

Lab File: BF104559.D

Acq: 17 Apr 2018 3:05

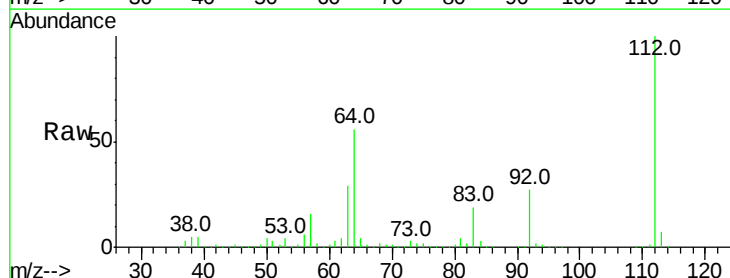
Tgt Ion:112 Resp: 1019976

Ion Ratio Lower Upper

112 100

64 56.2 47.9 71.9

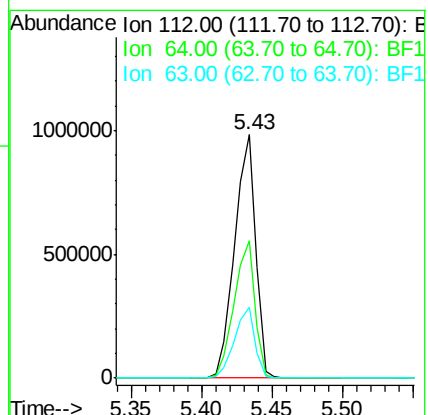
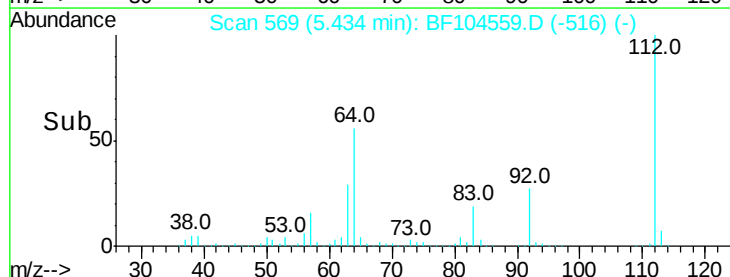
63 28.9 23.7 35.5



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: 92.015 ng

RT: 6.45 min Scan# 742

Delta R.T. -0.00 min

Lab File: BF104559.D

Acq: 17 Apr 2018 3:05

Instrument :

BNA_F

ClientSampleId :

NAA-WS-004

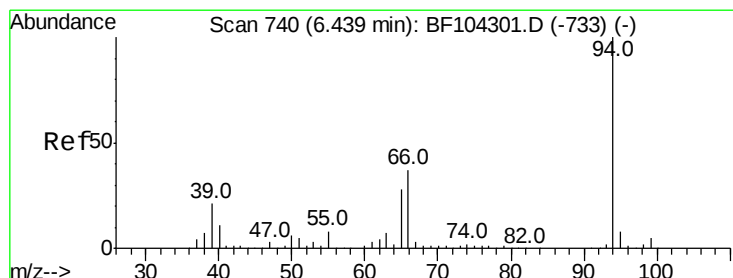
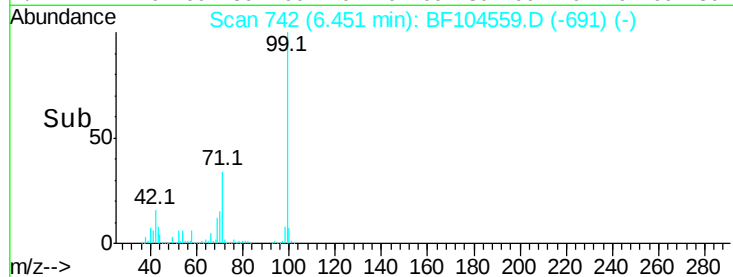
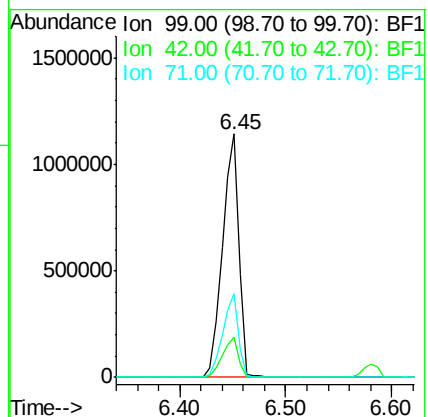
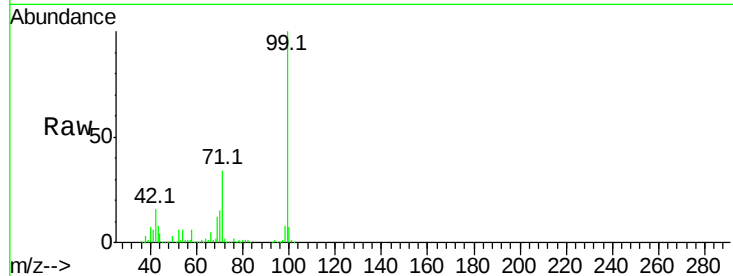
Tot Ion: 99 Resp: 1251314

Ion Ratio Lower Upper

99 100

42 16.5 14.5 21.7

71 34.3 25.4 38.0



#10

Phenol

Concen: 3.299 ng

RT: 6.46 min Scan# 744

Delta R.T. -0.00 min

Lab File: BF104559.D

Acq: 17 Apr 2018 3:05

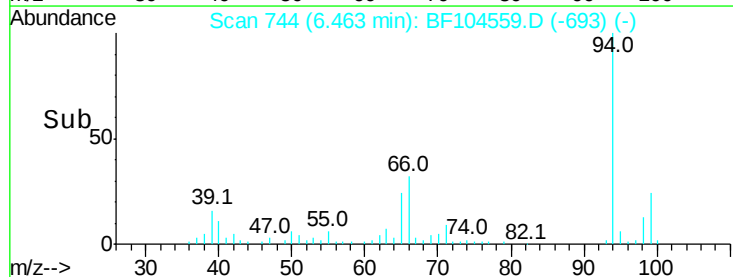
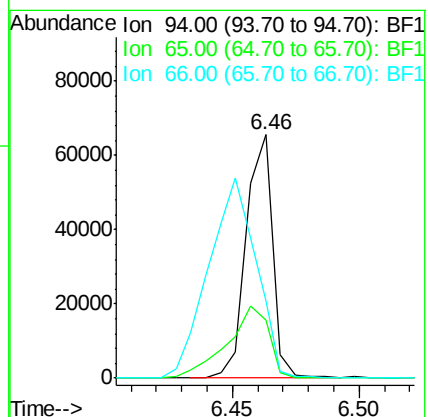
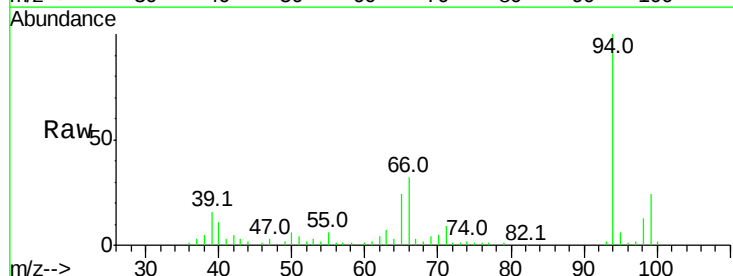
Tgt Ion: 94 Resp: 47599

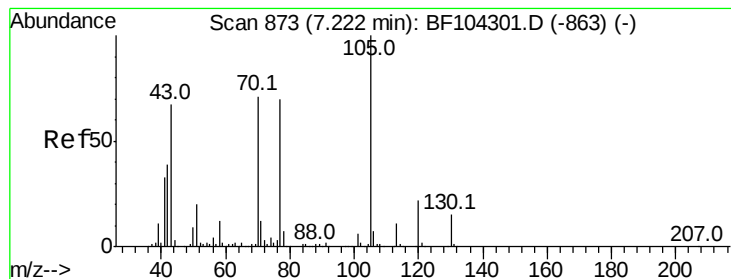
Ion Ratio Lower Upper

94 100

65 23.8 7.9 47.9

66 31.9 16.2 56.2





#19

n-Nitroso-di-n-propylamine

Concen: 11.558 ng

RT: 7.37 min Scan# 899

Delta R.T. 0.15 min

Lab File: BF104559.D

Acq: 17 Apr 2018 3:05

Instrument :

BNA_F

ClientSampleId :

NAA-WS-004

Tot Ion: 70 Resp: 102708

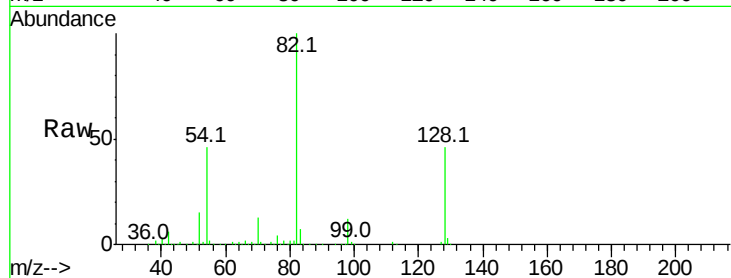
Ion Ratio Lower Upper

70 100

42 42.6 47.5 71.3#

101 0.0 7.4 11.2#

130 2.3 16.6 25.0#

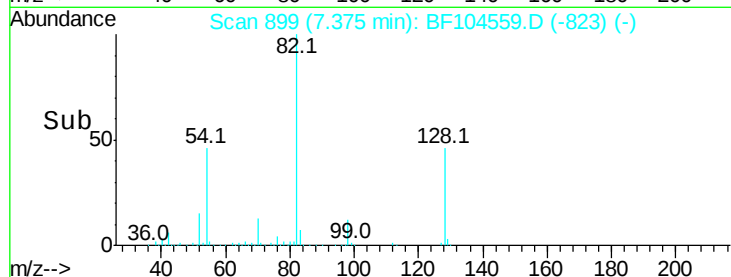


Abundance Ion 70.00 (69.70 to 70.70): BF1

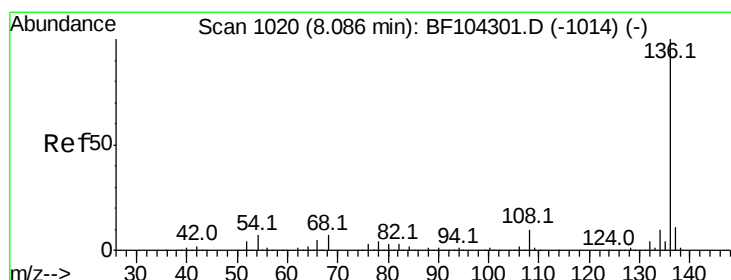
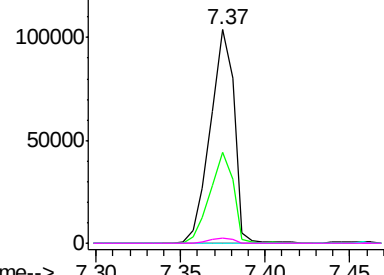
Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1



Time-->



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.09 min Scan# 1021

Delta R.T. -0.00 min

Lab File: BF104559.D

Acq: 17 Apr 2018 3:05

Tgt Ion:136 Resp: 680730

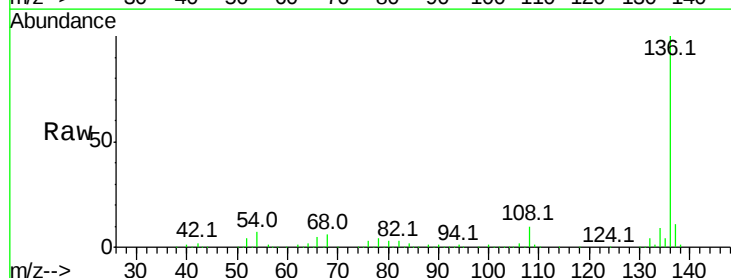
Ion Ratio Lower Upper

136 100

137 11.1 8.9 13.3

54 7.1 6.6 9.8

68 6.4 5.0 7.4

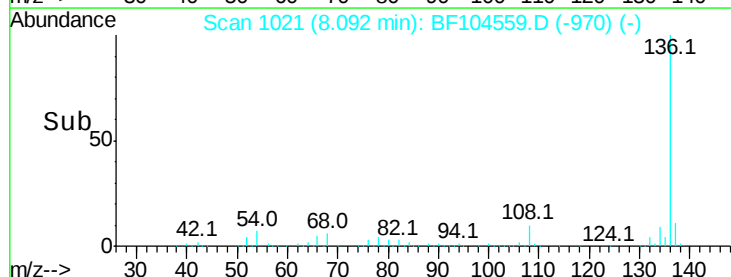


Abundance Ion 136.00 (135.70 to 136.70): BF1

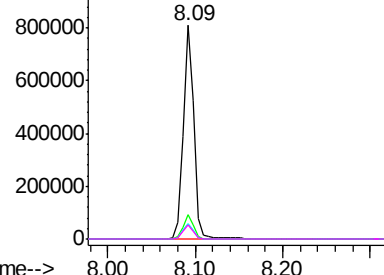
Ion 137.00 (136.70 to 137.70): BF1

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



Time-->

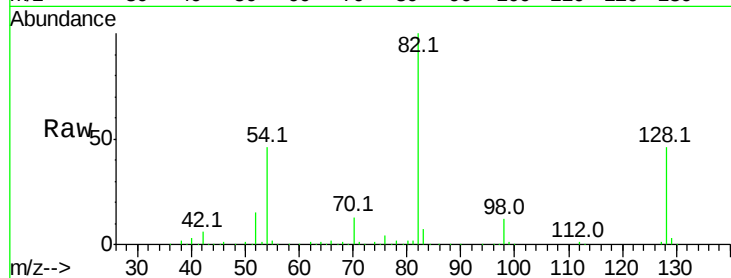




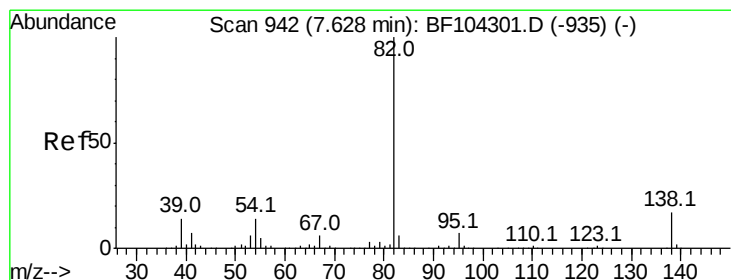
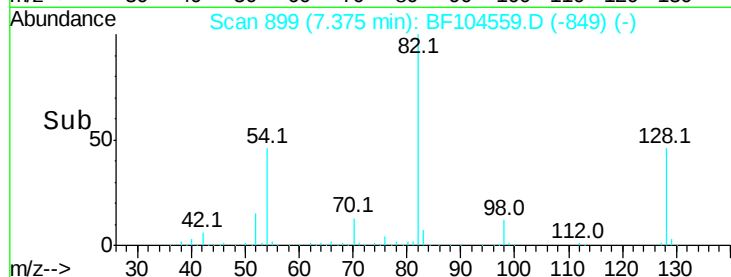
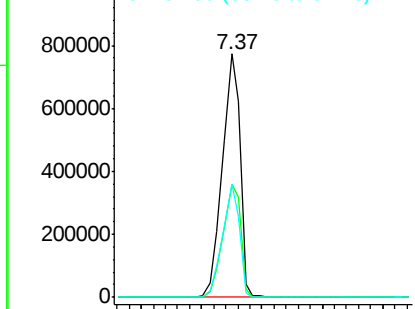
#23
Nitrobenzene-d5
Concen: 75.271 ng
RT: 7.37 min Scan# 899
Delta R.T. -0.01 min
Lab File: BF104559.D
Acq: 17 Apr 2018 3:05

Instrument :
BNA_F
ClientSampleId :
NAA-WS-004

Tot Ion: 82 Resp: 784699
Ion Ratio Lower Upper
82 100
128 46.4 36.1 54.1
54 46.2 41.4 62.2

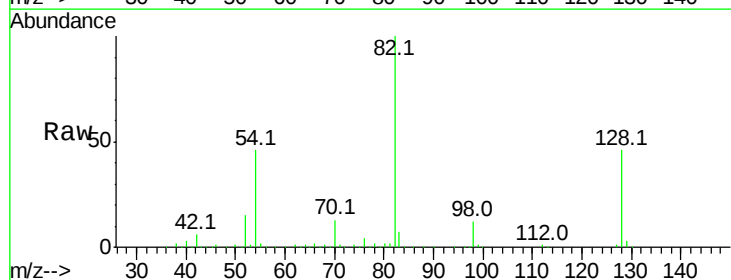


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

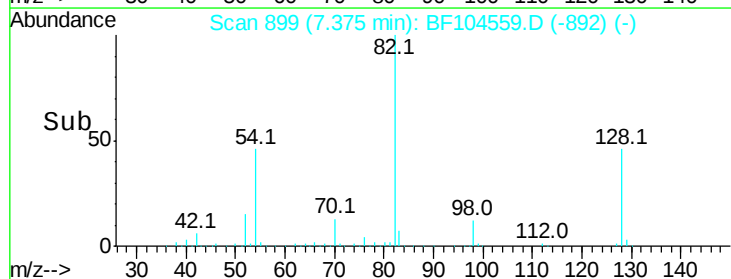
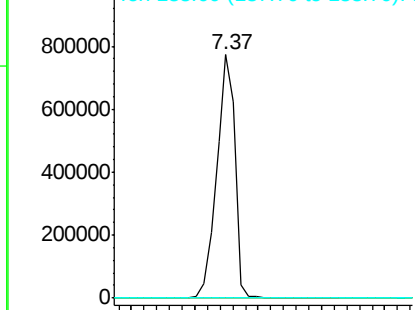


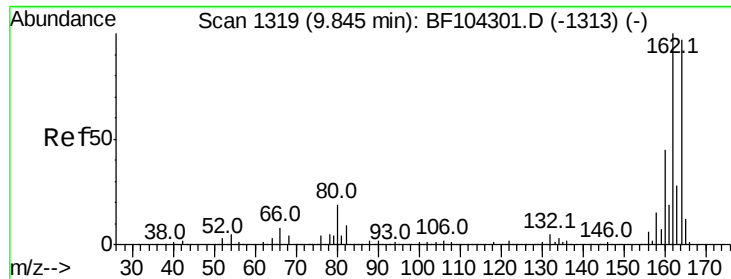
#25
Isophorone
Concen: 35.595 ng
RT: 7.37 min Scan# 899
Delta R.T. -0.26 min
Lab File: BF104559.D
Acq: 17 Apr 2018 3:05

Tgt Ion: 82 Resp: 784688
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

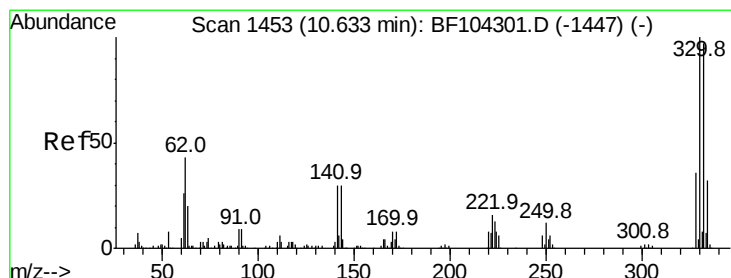
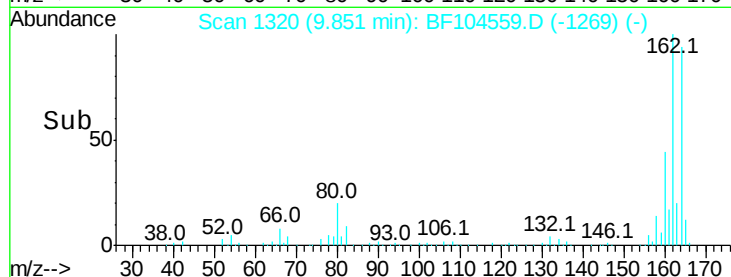
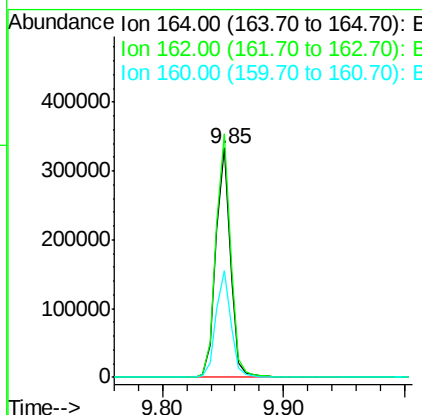
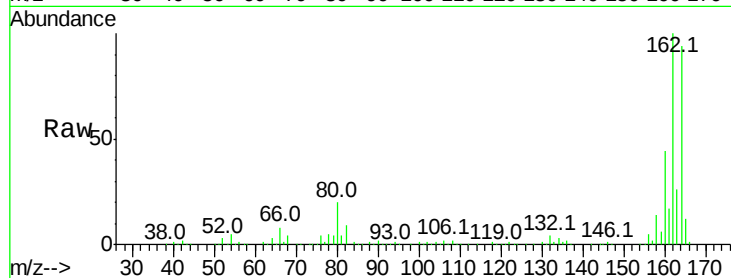




#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.85 min Scan# 1320
Delta R.T. -0.00 min
Lab File: BF104559.D
Acq: 17 Apr 2018 3:05

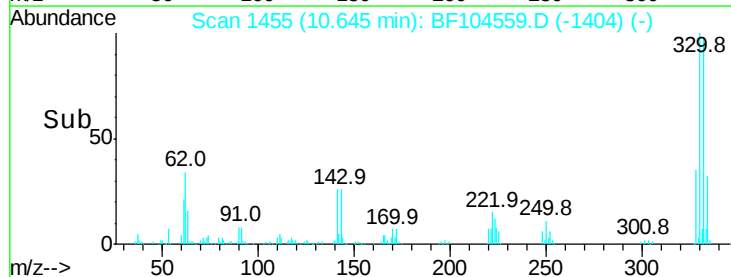
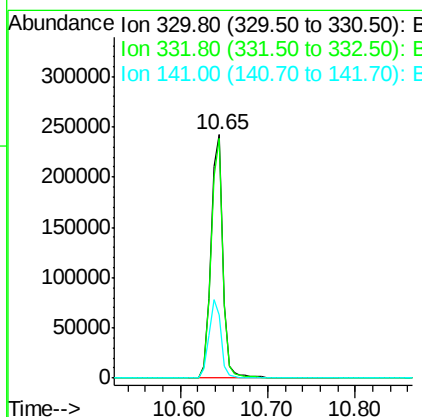
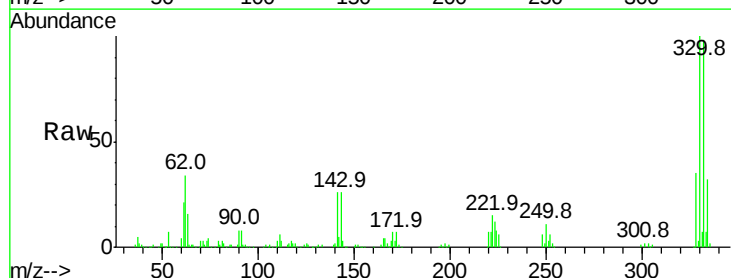
Instrument :
BNA_F
ClientSampleId :
NAA-WS-004

Tot Ion:164 Resp: 275427
Ion Ratio Lower Upper
164 100
162 106.1 86.1 129.1
160 46.6 38.3 57.5



#41
2,4,6-Tribromophenol
Concen: 80.237 ng
RT: 10.65 min Scan# 1455
Delta R.T. -0.00 min
Lab File: BF104559.D
Acq: 17 Apr 2018 3:05

Tgt Ion:330 Resp: 229244
Ion Ratio Lower Upper
330 100
332 96.8 77.0 115.6
141 32.7 29.9 44.9

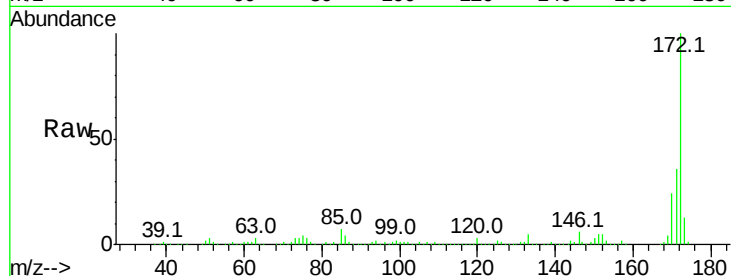




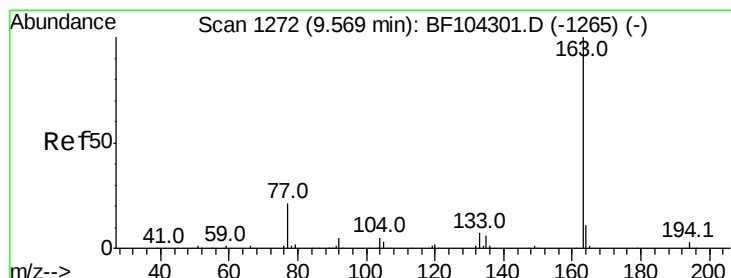
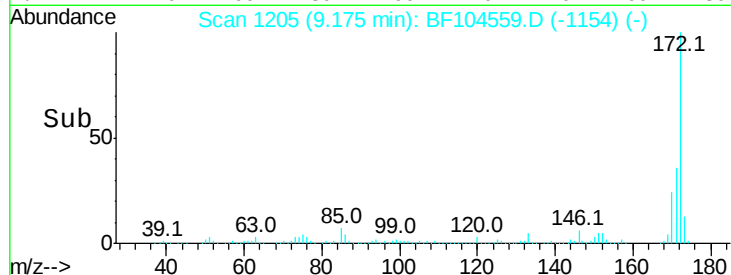
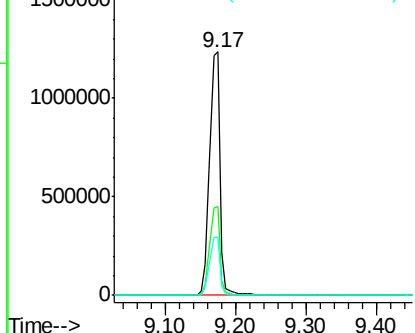
#44
2-Fluorobiphenyl
Concen: 73.190 ng
RT: 9.17 min Scan# 1205
Delta R.T. -0.00 min
Lab File: BF104559.D
Acq: 17 Apr 2018 3:05

Instrument :
BNA_F
ClientSampleId :
NAA-WS-004

Tot Ion:172 Resp: 1276060
Ion Ratio Lower Upper
172 100
171 36.3 29.7 44.5
170 24.0 19.6 29.4

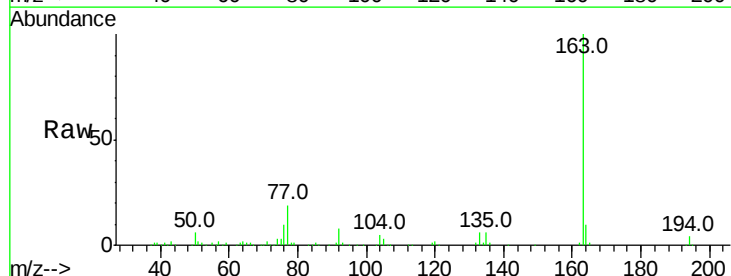


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

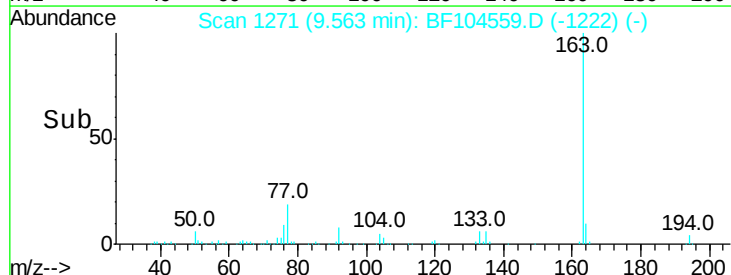
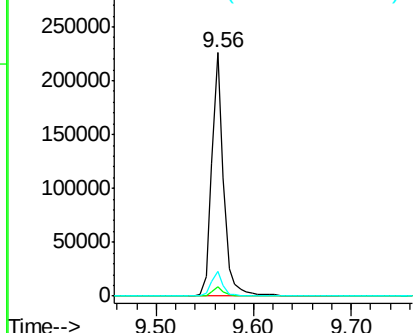


#49
Dimethylphthalate
Concen: 8.694 ng
RT: 9.56 min Scan# 1271
Delta R.T. -0.01 min
Lab File: BF104559.D
Acq: 17 Apr 2018 3:05

Tgt Ion:163 Resp: 188838
Ion Ratio Lower Upper
163 100
194 3.6 2.7 4.1
164 10.1 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

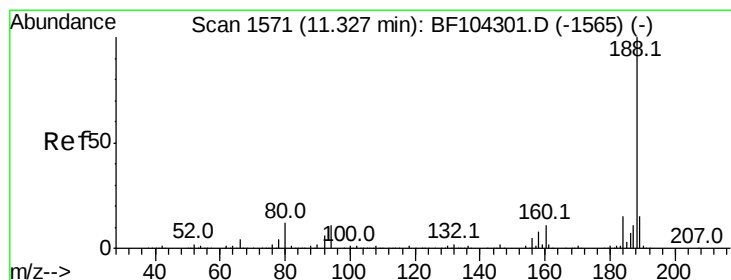
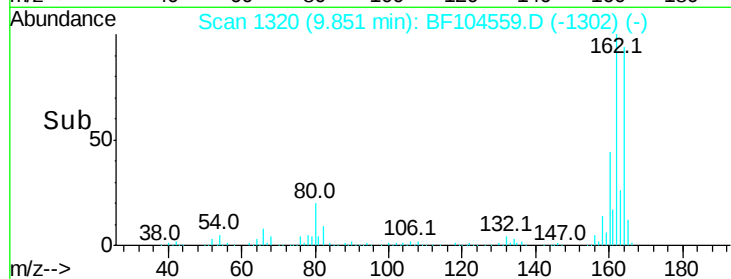
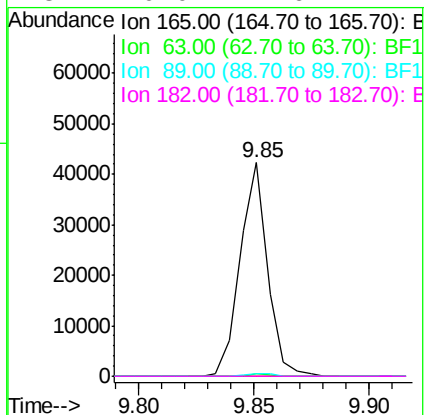
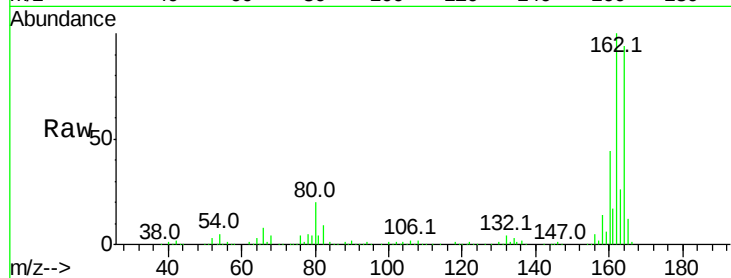




#56
 2,4-Dinitrotoluene
 Concen: 6.663 ng
 RT: 9.85 min Scan# 1320
 Delta R.T. -0.19 min
 Lab File: BF104559.D
 Acq: 17 Apr 2018 3:05

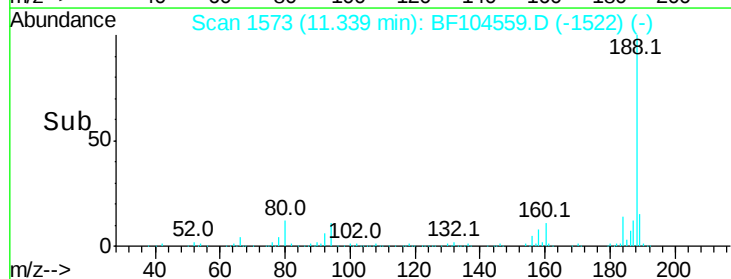
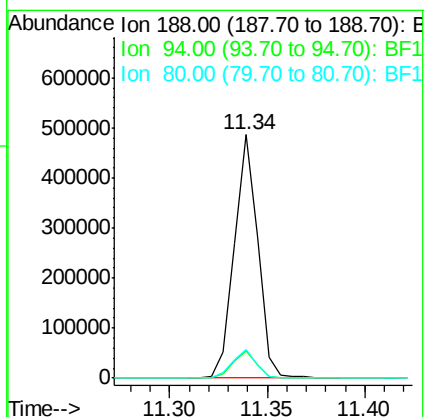
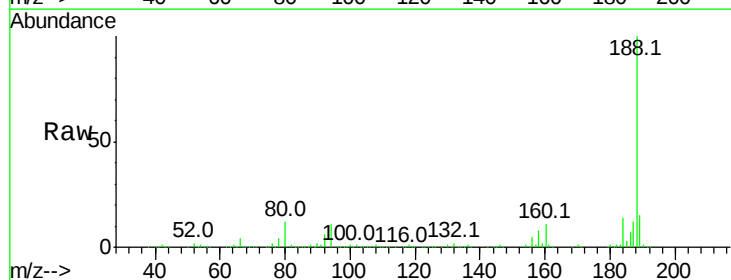
Instrument :
 BNA_F
 ClientSampleId :
 NAA-WS-004

Tot Ion:165	Resp:	35126
Ion Ratio	Lower	Upper
165	100	
63	1.3	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: 11.34 min Scan# 1573
 Delta R.T. -0.00 min
 Lab File: BF104559.D
 Acq: 17 Apr 2018 3:05

Tgt Ion:188	Resp:	406769
Ion Ratio	Lower	Upper
188	100	
94	11.2	8.5 12.7
80	11.7	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: BF104559.D

Acq: 17 Apr 2018 3:05

Instrument :

BNA_F

ClientSampleId :

NAA-WS-004

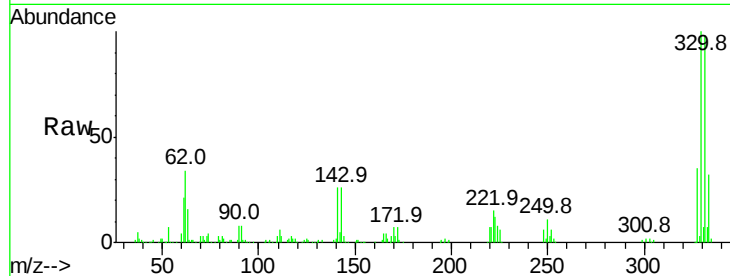
Tot Ion:198 Resp: 329

Ion Ratio Lower Upper

198 100

51 119.7 37.7 77.7#

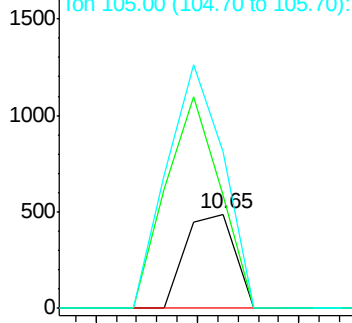
105 166.3 36.3 76.3#



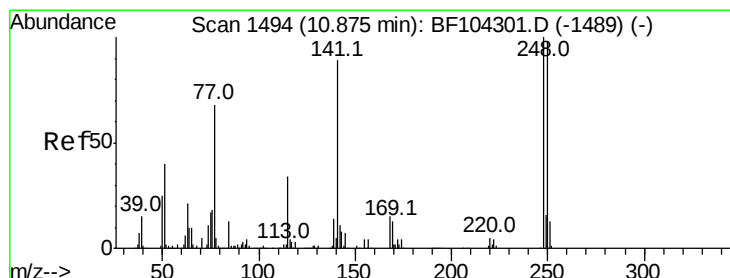
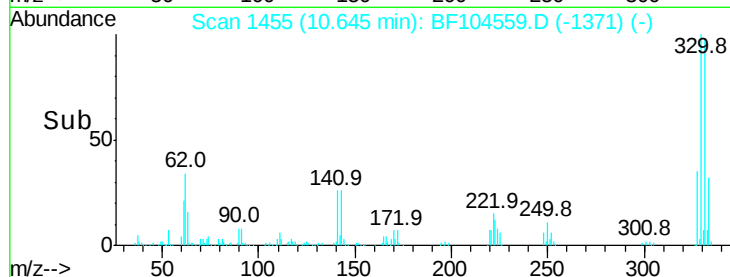
Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E



Time-->



#66

4-Bromophenyl-phenylether

Concen: 3.307 ng

RT: 10.64 min Scan# 1454

Delta R.T. -0.25 min

Lab File: BF104559.D

Acq: 17 Apr 2018 3:05

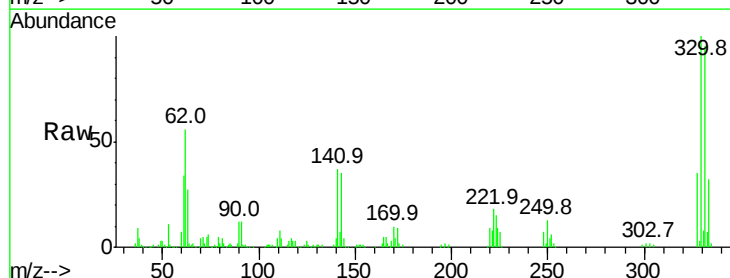
Tgt Ion:248 Resp: 14308

Ion Ratio Lower Upper

248 100

250 189.8 76.9 115.3#

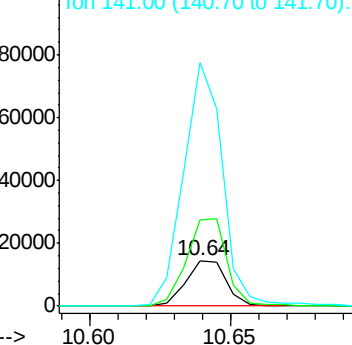
141 535.0 74.4 111.6#



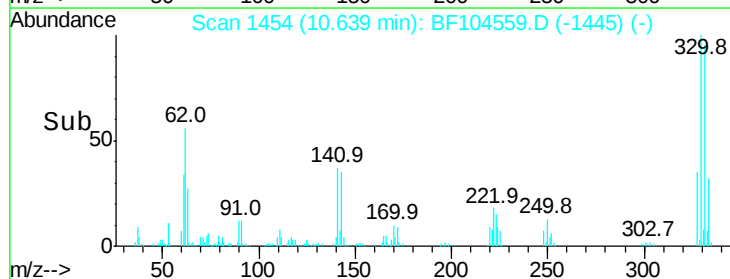
Abundance Ion 248.00 (247.70 to 248.70): E

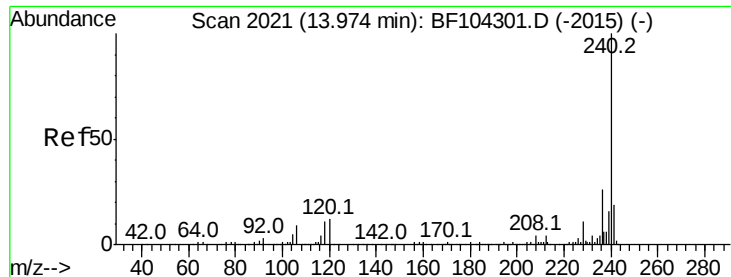
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



Time-->





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.99 min Scan# 2023

Delta R.T. -0.01 min

Lab File: BF104559.D

Acq: 17 Apr 2018 3:05

Instrument :

BNA_F

ClientSampleId :

NAA-WS-004

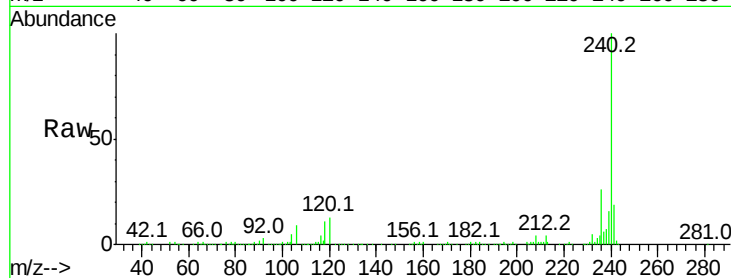
Tot Ion:240 Resp: 324565

Ion Ratio Lower Upper

240 100

120 12.6 9.5 14.3

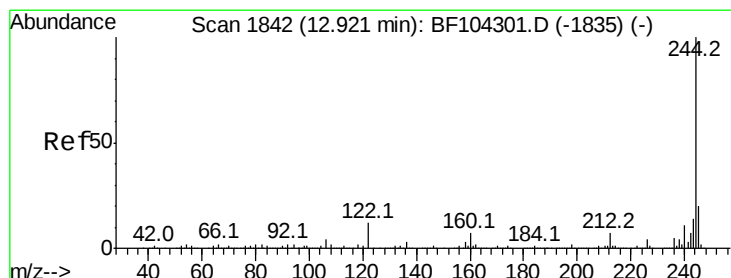
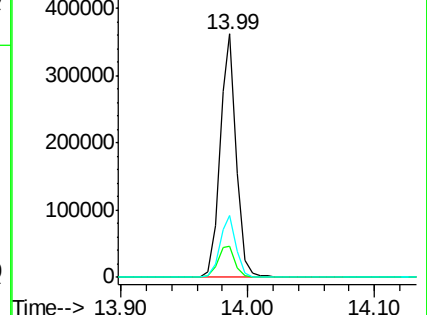
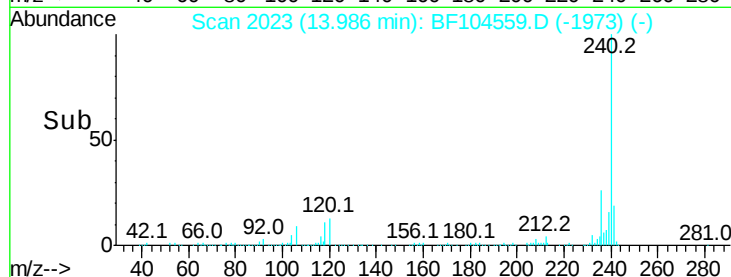
236 25.6 20.7 31.1



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: 65.027 ng

RT: 12.93 min Scan# 1844

Delta R.T. 0.01 min

Lab File: BF104559.D

Acq: 17 Apr 2018 3:05

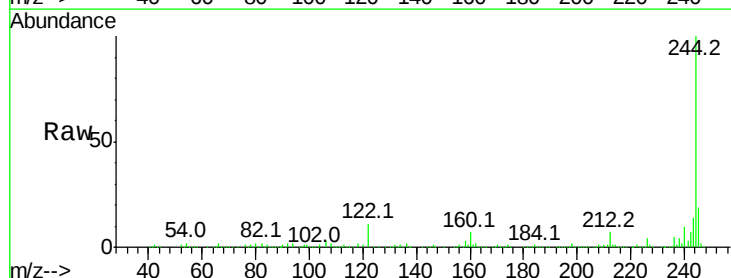
Tgt Ion:244 Resp: 925752

Ion Ratio Lower Upper

244 100

212 6.7 5.4 8.0

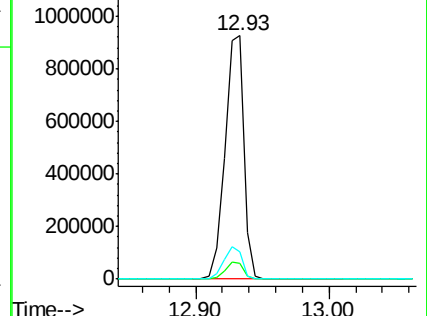
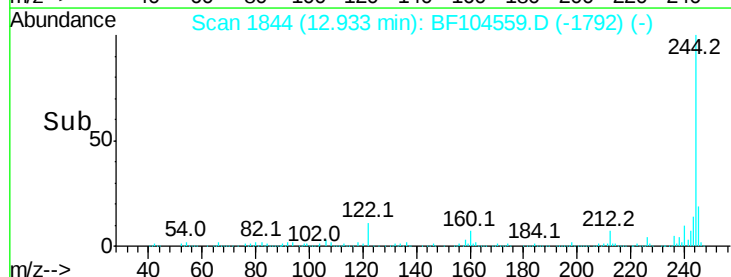
122 11.0 11.0 16.4

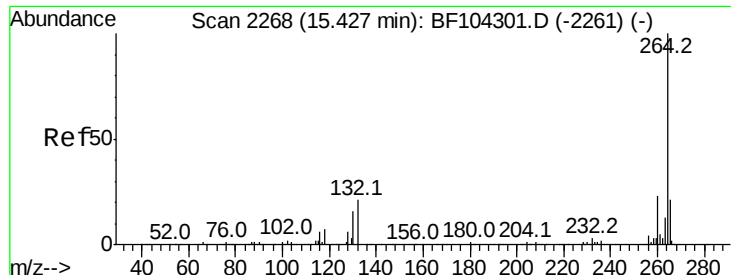


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

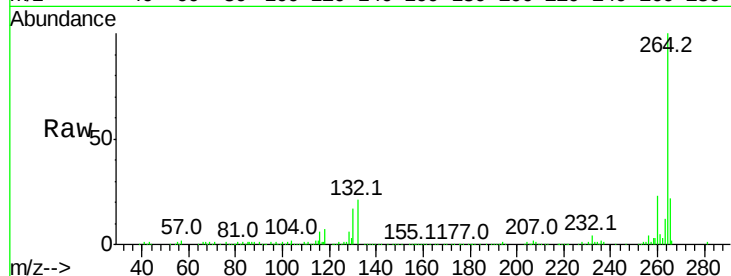




#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.45 min Scan# 2272
 Delta R.T. -0.01 min
 Lab File: BF104559.D
 Acq: 17 Apr 2018 3:05

Instrument :
 BNA_F
 ClientSampleId :
 NAA-WS-004

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.3	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

