

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041618\
 Data File : BF104558.D
 Acq On : 17 Apr 2018 2:38
 Operator : JU/SJ
 Sample : J2360-03
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NAA-WS-003

Quant Time: Apr 17 03:12:42 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	153887	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	605364	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	246220	20.00	ng	0.00
63) Phenanthrene-d10	11.34	188	353207	20.00	ng	0.00
75) Chrysene-d12	13.99	240	286588	20.00	ng	0.00
86) Perylene-d12	15.45	264	216785	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.43	112	893778	88.81	ng	0.01
7) Phenol-d6	6.45	99	1089783	88.13	ng	0.00
23) Nitrobenzene-d5	7.37	82	678827	73.22	ng	0.00
41) 2,4,6-Tribromophenol	10.65	330	196486	76.93	ng	0.00
44) 2-Fluorobiphenyl	9.17	172	1138898	73.07	ng	0.00
78) Terphenyl-d14	12.93	244	797846	63.47	ng	0.00

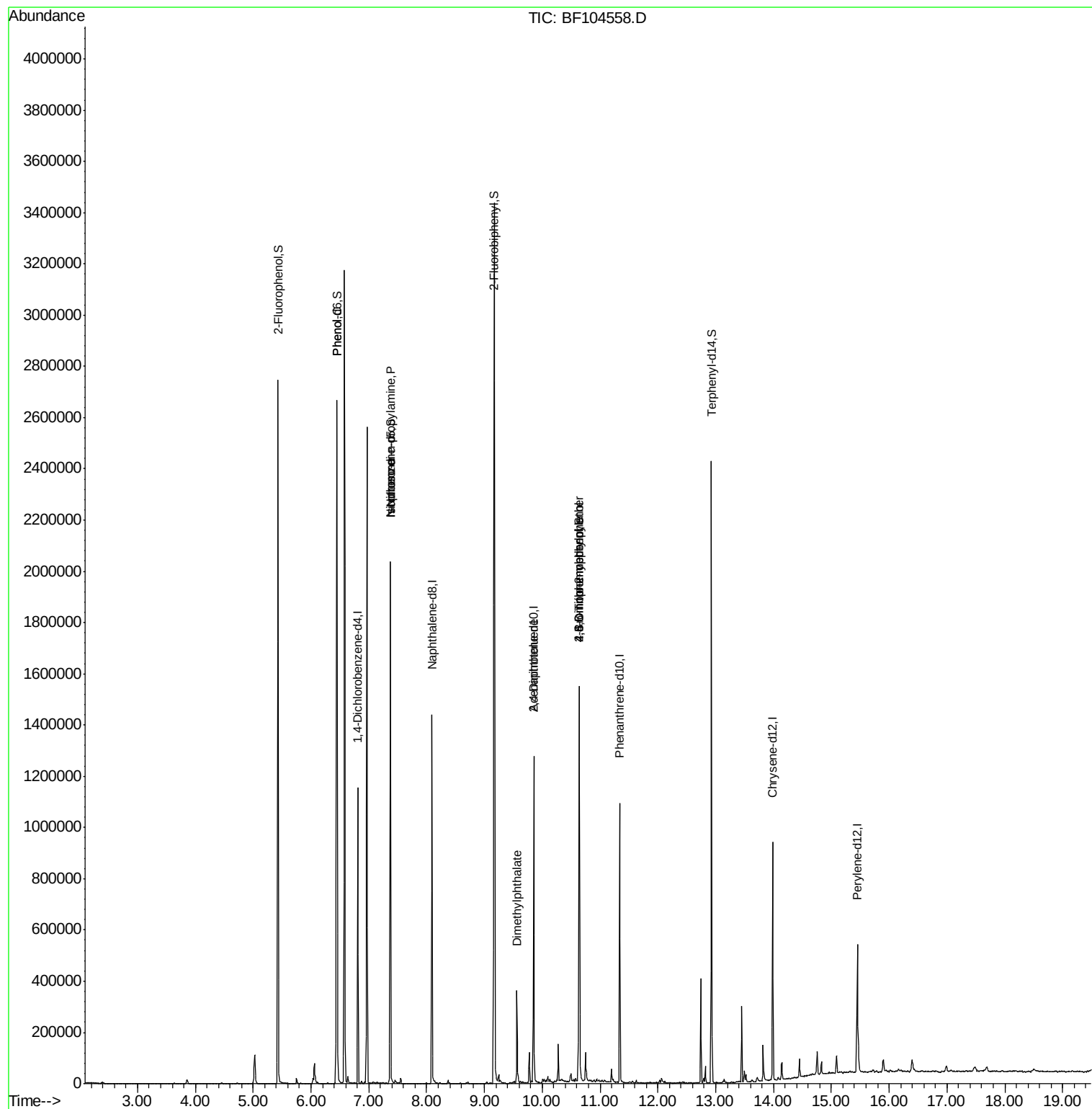
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.45	77	1761	Below Cal		# 1
10) Phenol	6.46	94	39843	3.037	ng	92
19) n-Nitroso-di-n-propylamine	7.37	70	87513	10.830	ng	# 74
25) Isophorone	7.37	82	676371	34.501	ng	# 64
49) Dimethylphthalate	9.56	163	140246	7.223	ng	99
56) 2,4-Dinitrotoluene	9.85	165	31510	6.686	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.64	198	299	7.494	ng	# 1
66) 4-Bromophenyl-phenylether	10.64	248	11694	3.113	ng	# 1
76) Benzidine	12.93	184	10402	Below Cal		98

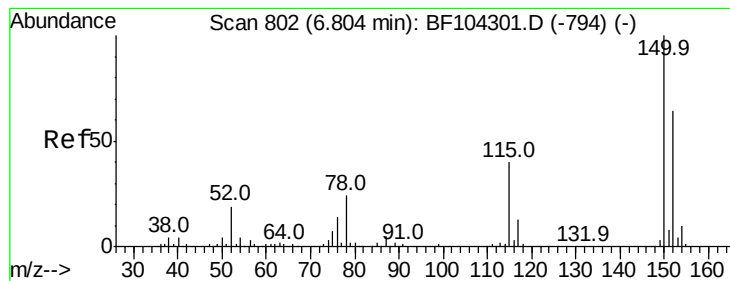
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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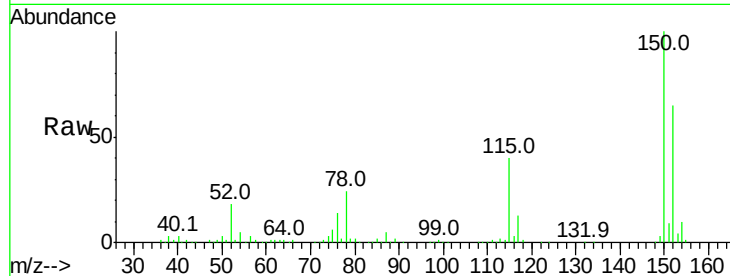


#1

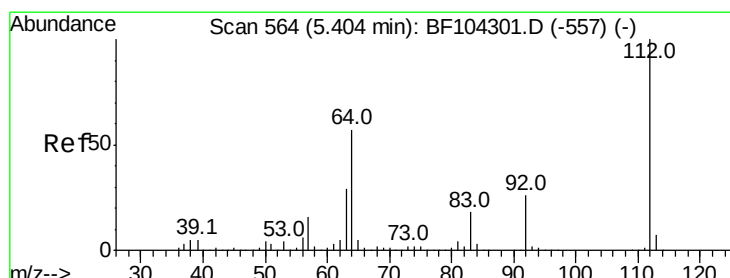
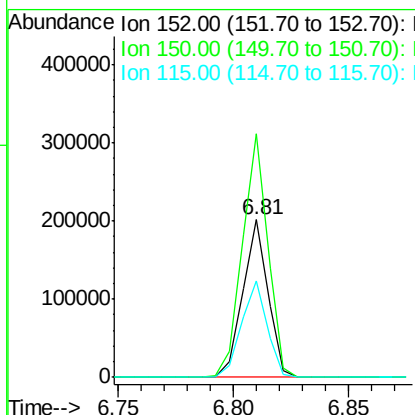
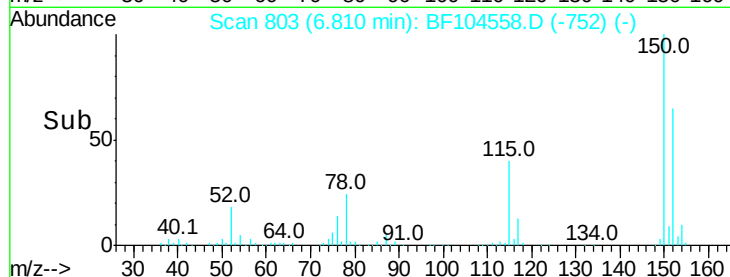
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.81 min Scan# 803
 Delta R.T. -0.00 min
 Lab File: BF104558.D
 Acq: 17 Apr 2018 2:38

Instrument :
 BNA_F
 ClientSampleId :
 NAA-WS-003

Tot Ion:152 Resp: 153887
 Ion Ratio Lower Upper
 152 100
 150 154.7 124.6 186.8
 115 61.4 50.1 75.1



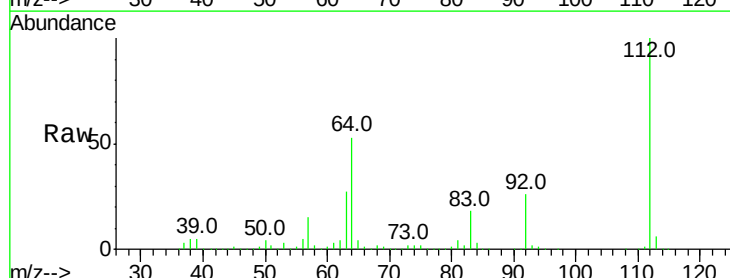
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



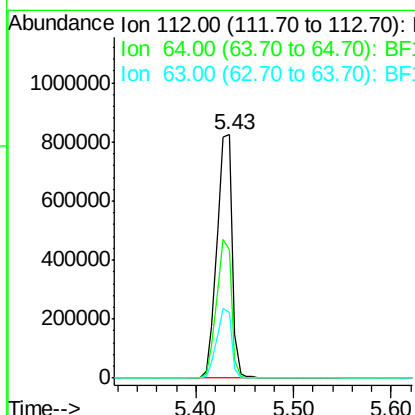
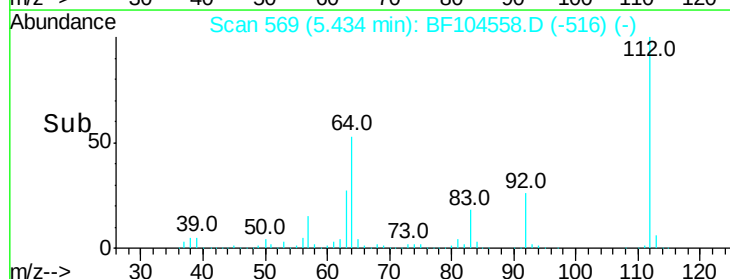
#5

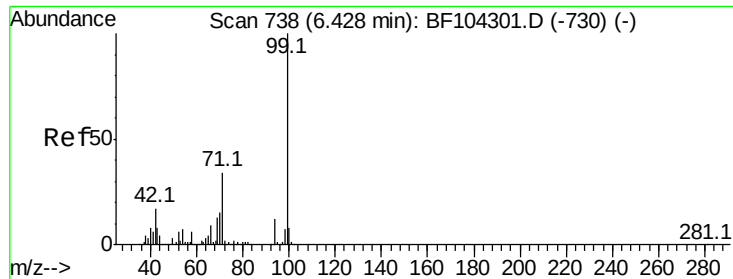
2-Fluorophenol
 Concen: 88.808 ng
 RT: 5.43 min Scan# 569
 Delta R.T. 0.01 min
 Lab File: BF104558.D
 Acq: 17 Apr 2018 2:38

Tgt Ion:112 Resp: 893778
 Ion Ratio Lower Upper
 112 100
 64 52.9 47.9 71.9
 63 27.2 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: 88.130 ng

RT: 6.45 min Scan# 742

Delta R.T. -0.00 min

Lab File: BF104558.D

Acq: 17 Apr 2018 2:38

Instrument :

BNA_F

ClientSampleId :

NAA-WS-003

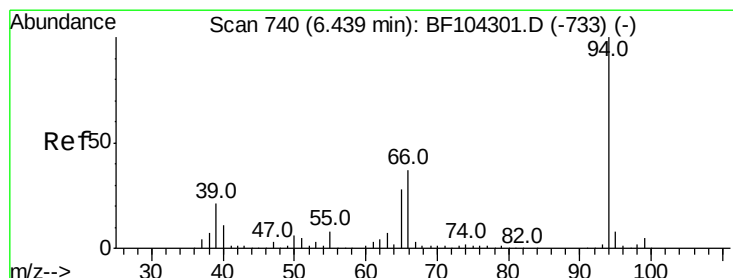
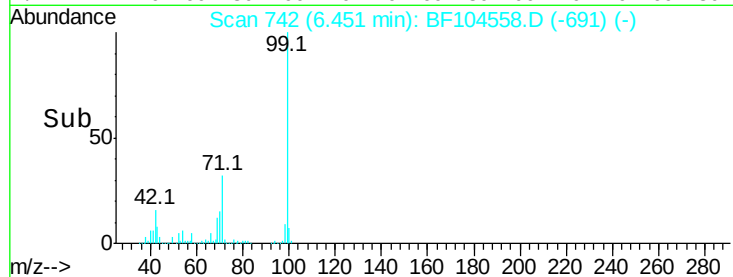
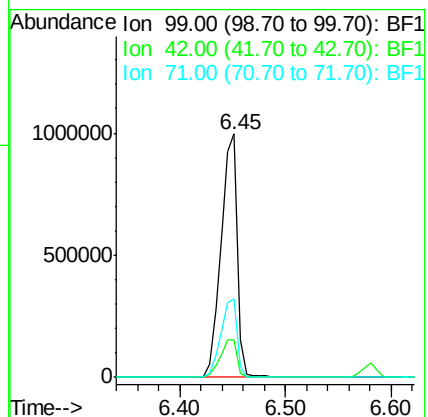
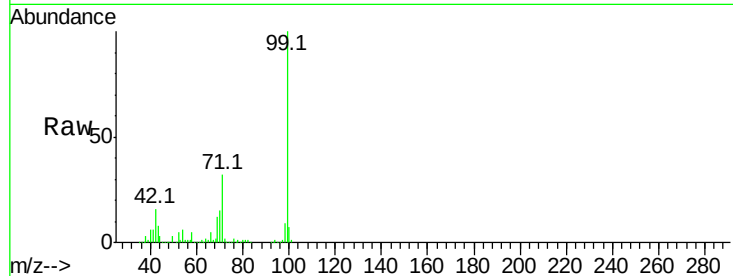
Tot Ion: 99 Resp: 1089783

Ion Ratio Lower Upper

99 100

42 15.6 14.5 21.7

71 32.4 25.4 38.0



#10

Phenol

Concen: 3.037 ng

RT: 6.46 min Scan# 743

Delta R.T. -0.01 min

Lab File: BF104558.D

Acq: 17 Apr 2018 2:38

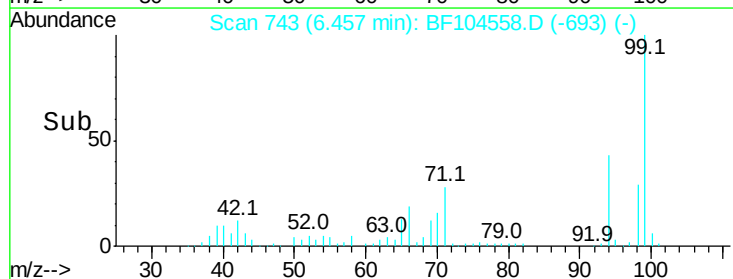
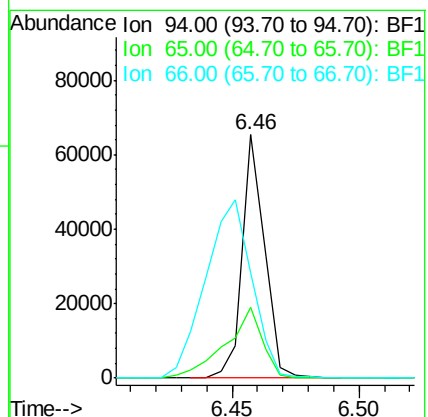
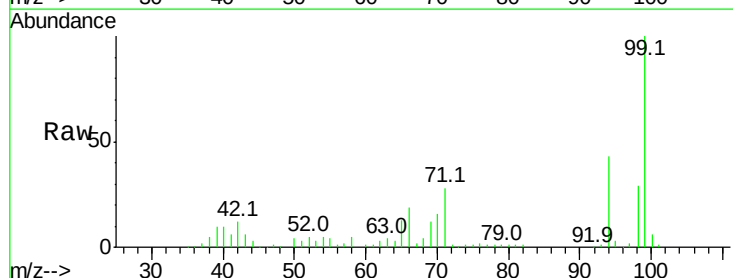
Tgt Ion: 94 Resp: 39843

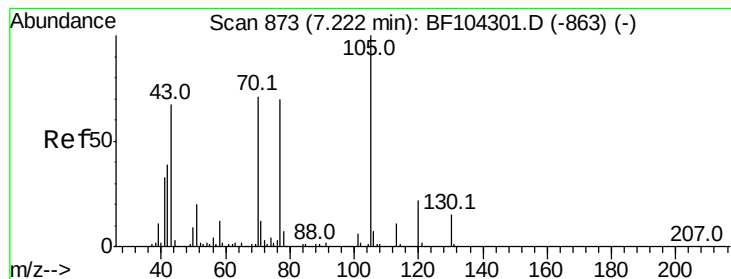
Ion Ratio Lower Upper

94 100

65 29.1 7.9 47.9

66 43.5 16.2 56.2





#19

n-Nitroso-di-n-propylamine

Concen: 10.830 ng

RT: 7.37 min Scan# 899

Delta R.T. 0.15 min

Lab File: BF104558.D

Acq: 17 Apr 2018 2:38

Instrument :

BNA_F

ClientSampleId :

NAA-WS-003

Tot Ion: 70 Resp: 87513

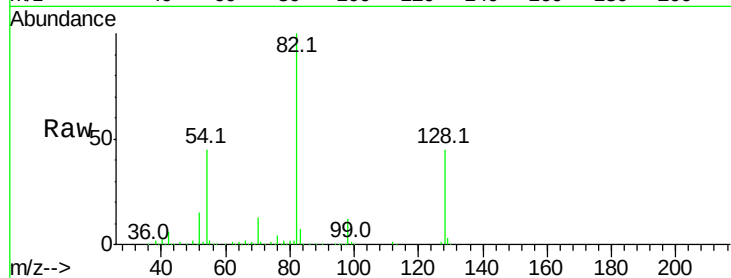
Ion Ratio Lower Upper

70 100

42 43.2 47.5 71.3#

101 0.0 7.4 11.2#

130 2.3 16.6 25.0#

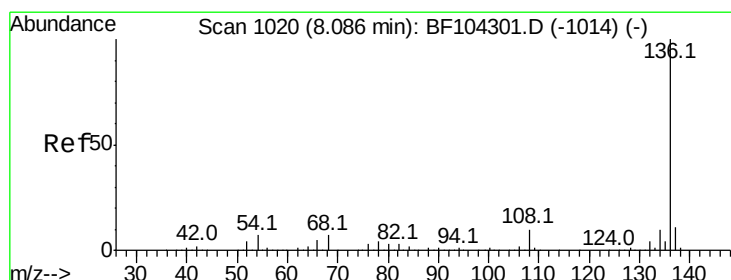
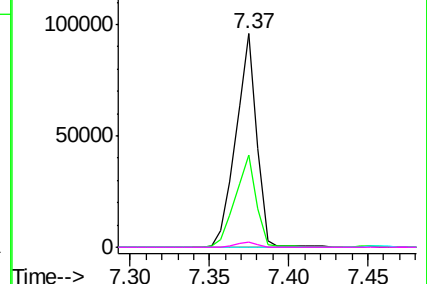
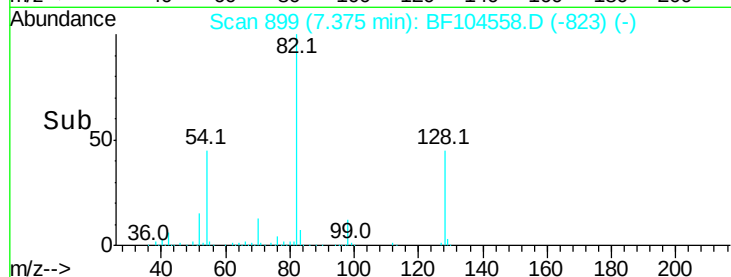


Abundance Ion 70.00 (69.70 to 70.70): BF1

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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.09 min Scan# 1021

Delta R.T. -0.00 min

Lab File: BF104558.D

Acq: 17 Apr 2018 2:38

Tgt Ion:136 Resp: 605364

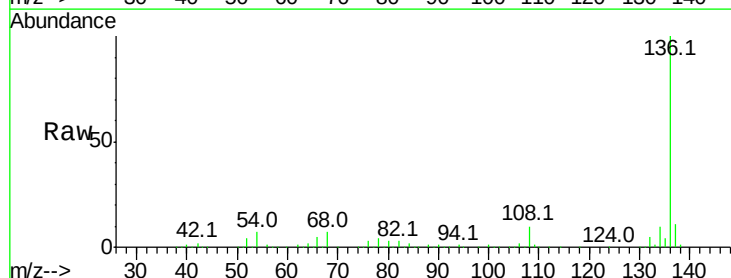
Ion Ratio Lower Upper

136 100

137 11.4 8.9 13.3

54 7.4 6.6 9.8

68 6.6 5.0 7.4

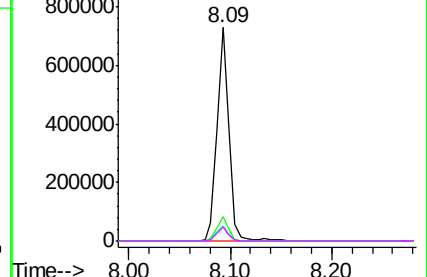
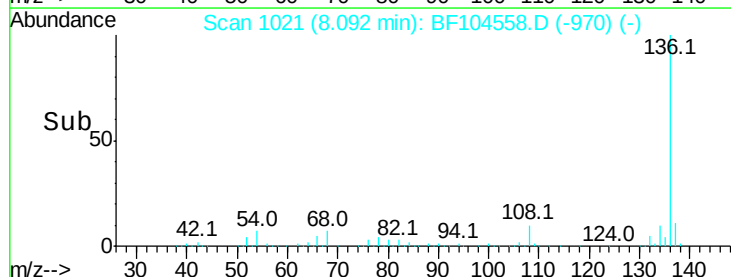


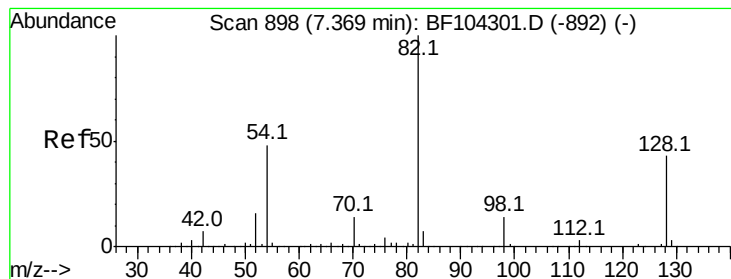
Abundance Ion 136.00 (135.70 to 136.70): BF1

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





#23

Nitrobenzene-d5

Concen: 73.222 ng

RT: 7.37 min Scan# 899

Delta R.T. -0.01 min

Lab File: BF104558.D

Acq: 17 Apr 2018 2:38

Instrument :

BNA_F

ClientSampleId :

NAA-WS-003

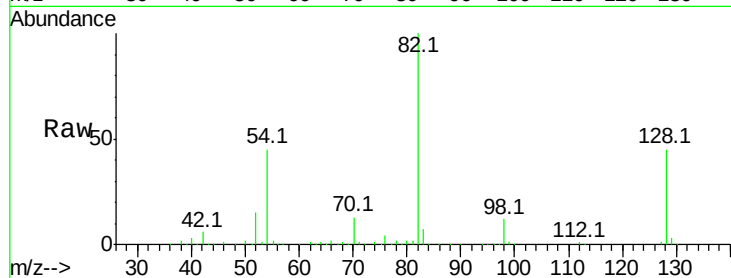
Tot Ion: 82 Resp: 678827

Ion Ratio Lower Upper

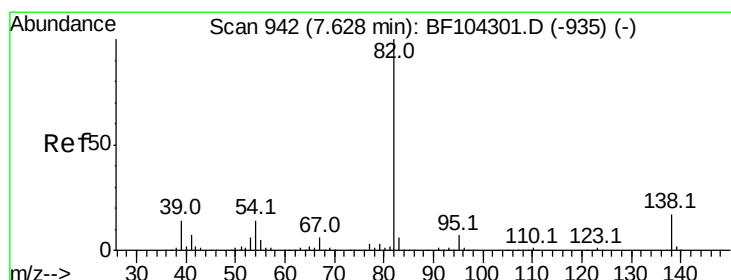
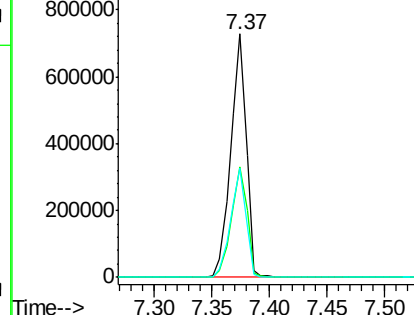
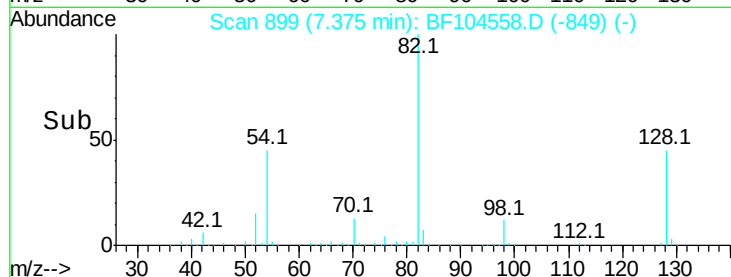
82 100

128 45.5 36.1 54.1

54 44.9 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: 34.501 ng

RT: 7.37 min Scan# 899

Delta R.T. -0.26 min

Lab File: BF104558.D

Acq: 17 Apr 2018 2:38

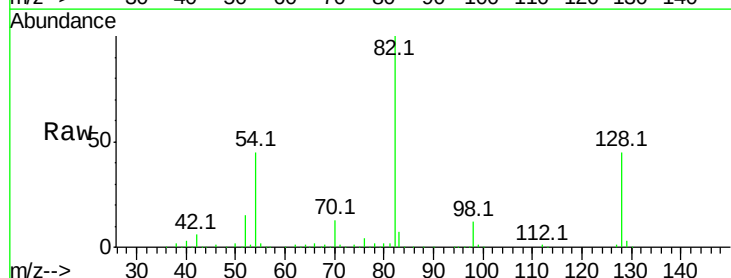
Tgt Ion: 82 Resp: 676371

Ion Ratio Lower Upper

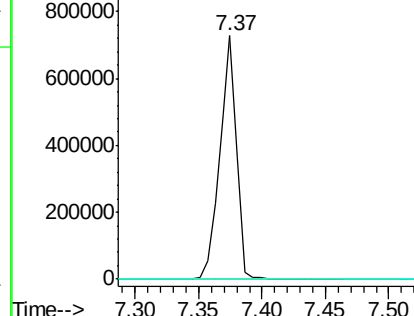
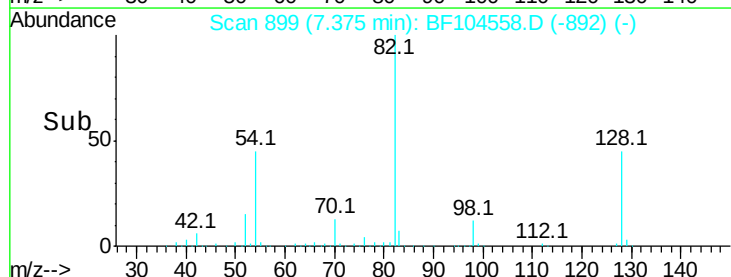
82 100

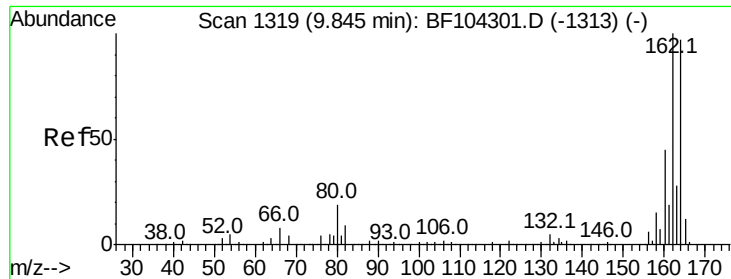
95 0.0 5.2 7.8#

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: BF104558.D

Acq: 17 Apr 2018 2:38

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ClientSampleId :

NAA-WS-003

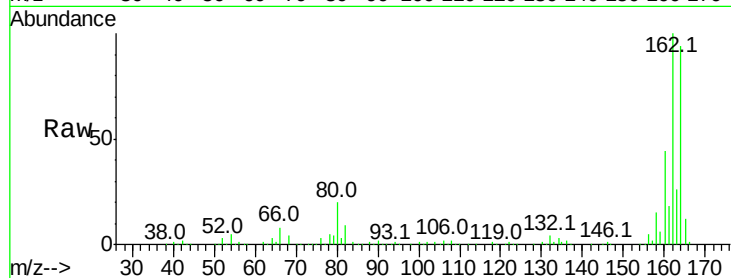
Tot Ion:164 Resp: 246220

Ion Ratio Lower Upper

164 100

162 106.5 86.1 129.1

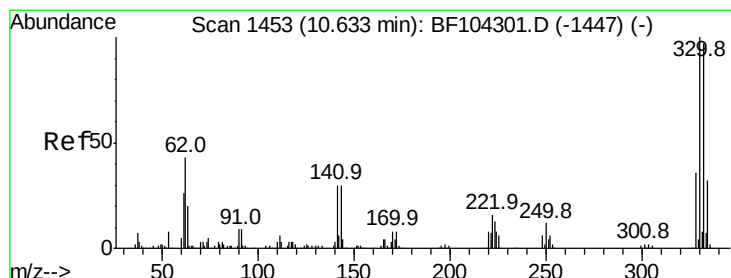
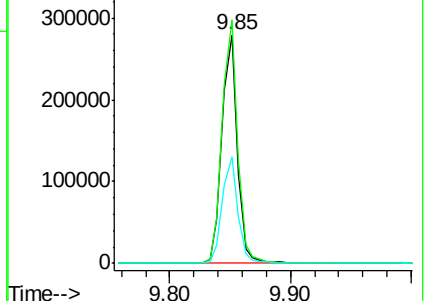
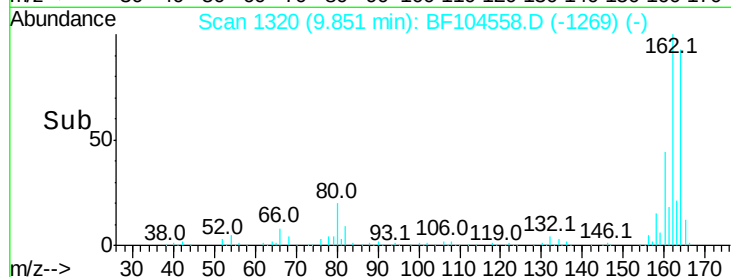
160 46.5 38.3 57.5



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: 76.929 ng

RT: 10.65 min Scan# 1455

Delta R.T. -0.00 min

Lab File: BF104558.D

Acq: 17 Apr 2018 2:38

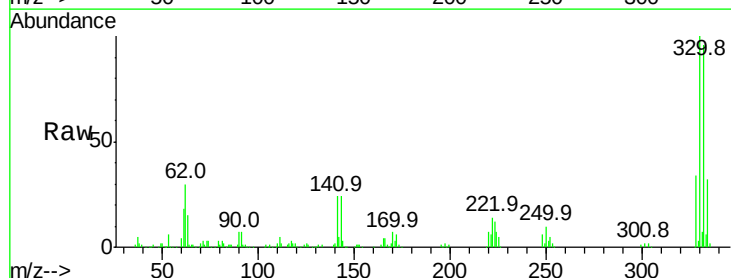
Tgt Ion:330 Resp: 196486

Ion Ratio Lower Upper

330 100

332 96.2 77.0 115.6

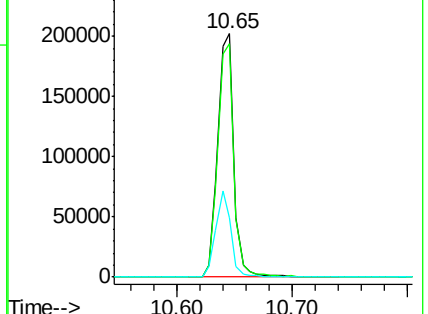
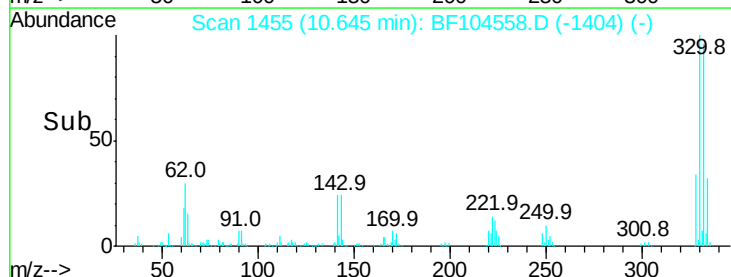
141 33.1 29.9 44.9

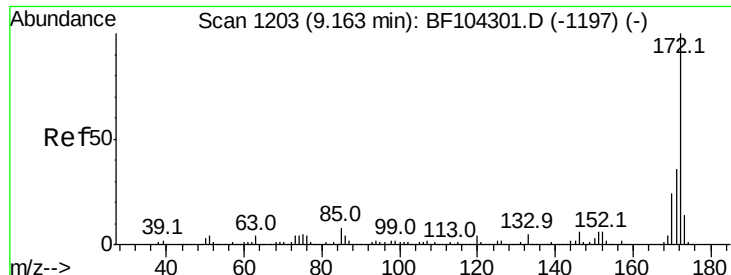


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

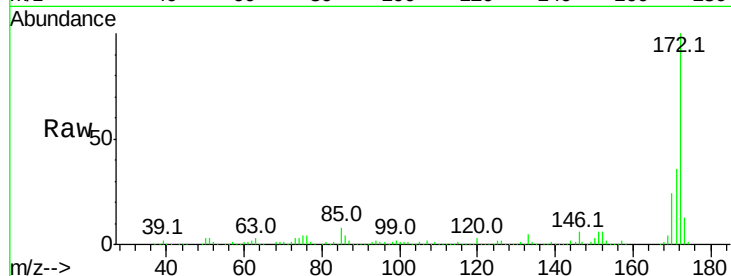




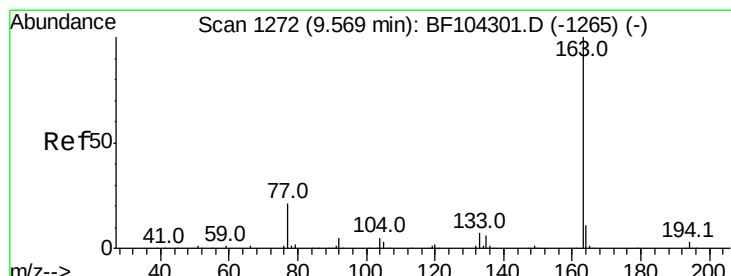
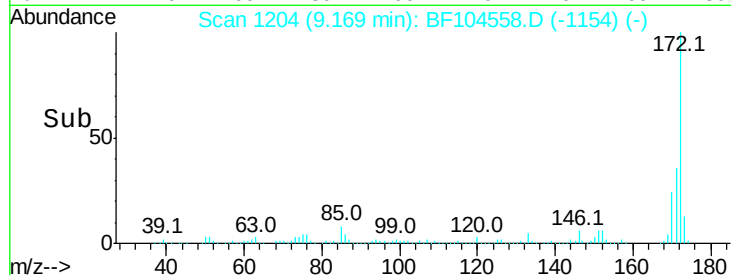
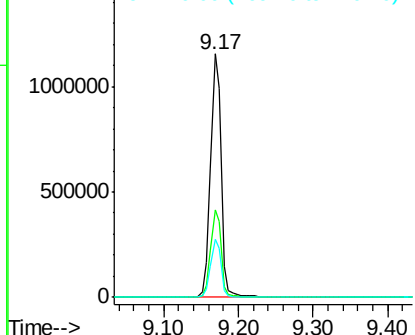
#44
2-Fluorobiphenyl
Concen: 73.072 ng
RT: 9.17 min Scan# 1204
Delta R.T. -0.01 min
Lab File: BF104558.D
Acq: 17 Apr 2018 2:38

Instrument :
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Tot Ion:172 Resp: 1138898
Ion Ratio Lower Upper
172 100
171 36.0 29.7 44.5
170 24.0 19.6 29.4

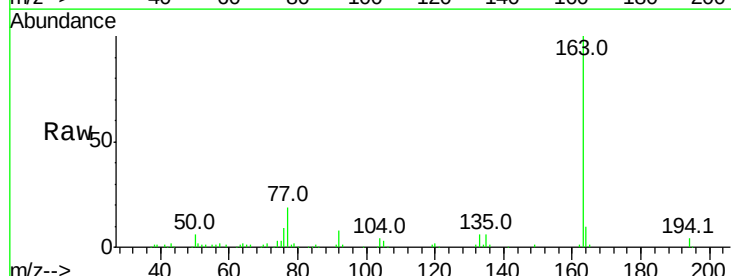


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

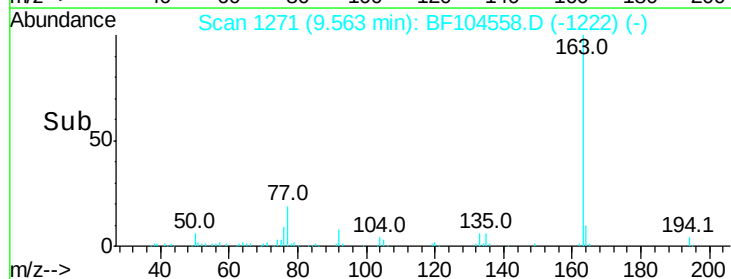
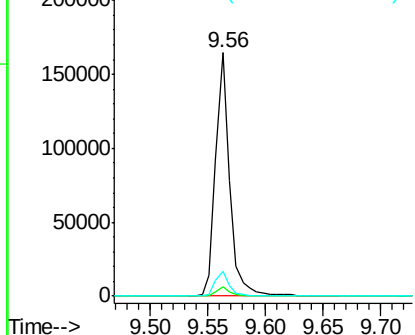


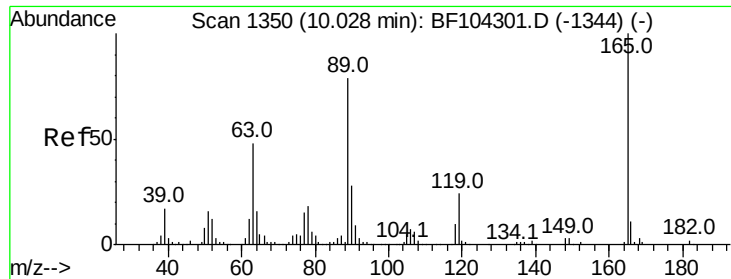
#49
Dimethylphthalate
Concen: 7.223 ng
RT: 9.56 min Scan# 1271
Delta R.T. -0.01 min
Lab File: BF104558.D
Acq: 17 Apr 2018 2:38

Tgt Ion:163 Resp: 140246
Ion Ratio Lower Upper
163 100
194 3.7 2.7 4.1
164 9.9 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

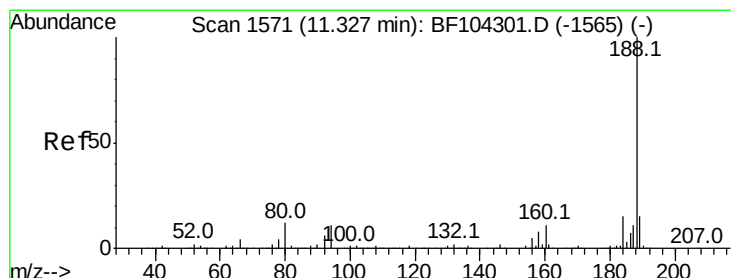
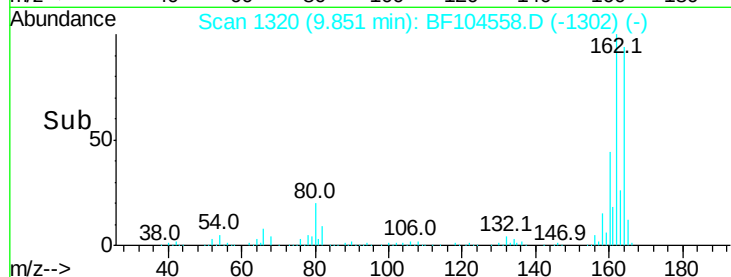
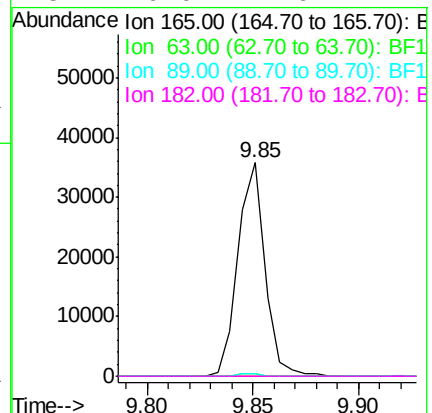
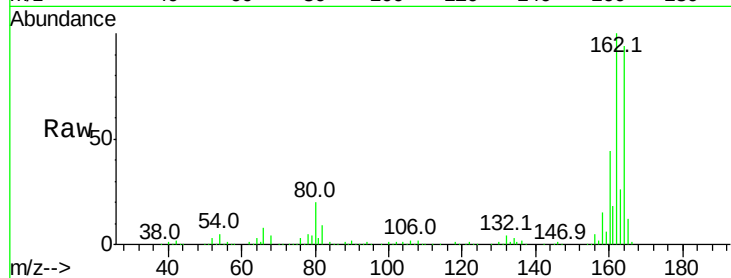




#56
 2,4-Dinitrotoluene
 Concen: 6.686 ng
 RT: 9.85 min Scan# 1320
 Delta R.T. -0.19 min
 Lab File: BF104558.D
 Acq: 17 Apr 2018 2:38

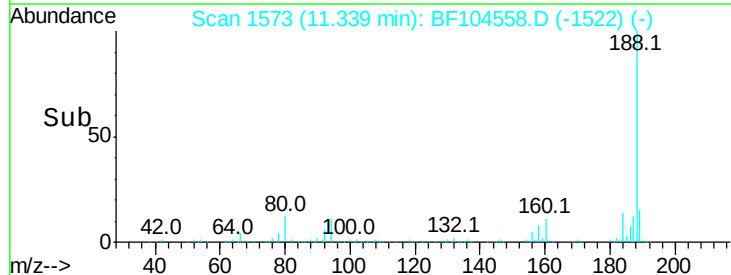
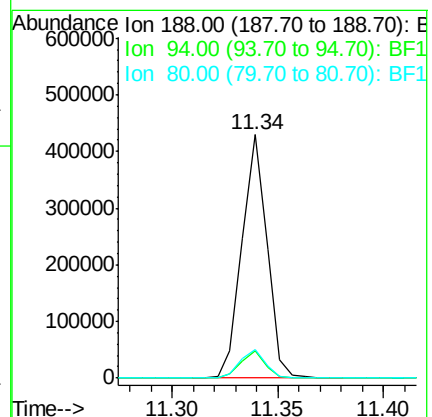
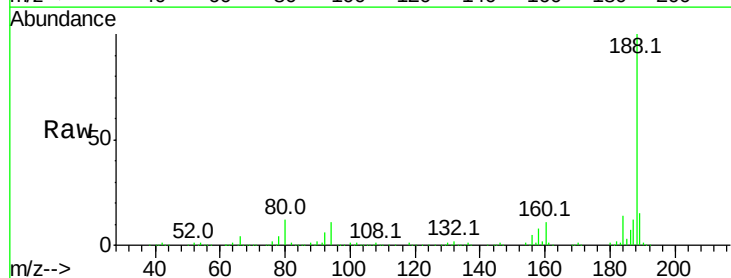
Instrument :
 BNA_F
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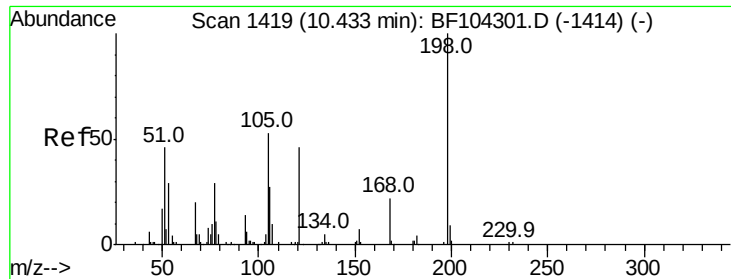
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.2	36.4	54.6#
89	1.1	57.8	86.6#
182	0.0	1.6	2.4#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.34 min Scan# 1573
 Delta R.T. -0.00 min
 Lab File: BF104558.D
 Acq: 17 Apr 2018 2:38

Tgt Ion	Ratio	Lower	Upper
188	100		
94	11.3	8.5	12.7
80	11.9	9.2	13.8

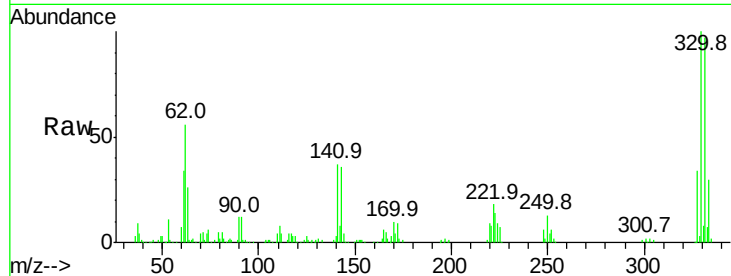




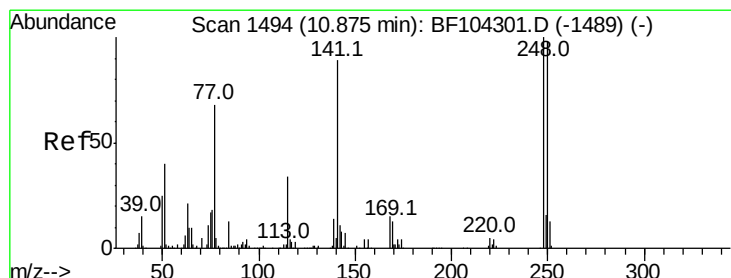
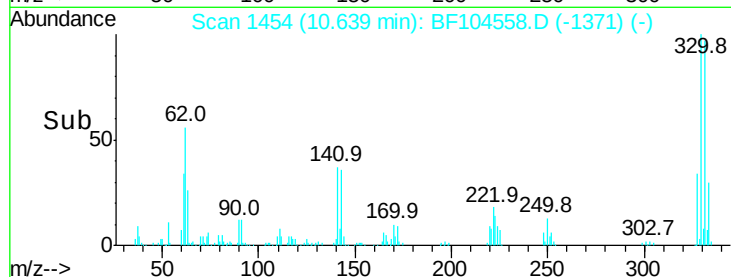
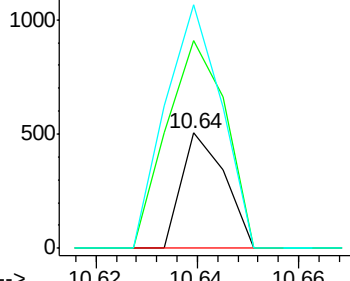
#64
 4,6-Dinitro-2-methylphenol
 Concen: 7.494 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. 0.19 min
 Lab File: BF104558.D
 Acq: 17 Apr 2018 2:38

Instrument :
 BNA_F
 ClientSampleId :
 NAA-WS-003

Tot Ion:198 Resp: 299
 Ion Ratio Lower Upper
 198 100
 51 181.1 37.7 77.7#
 105 211.7 36.3 76.3#

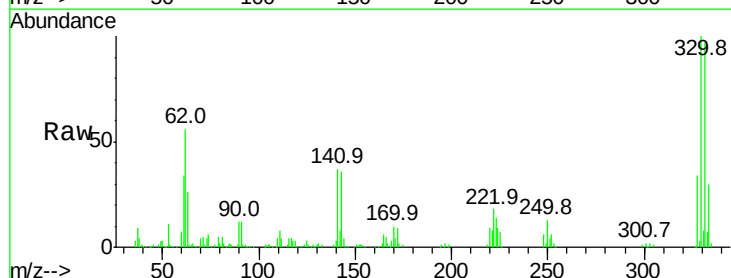


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

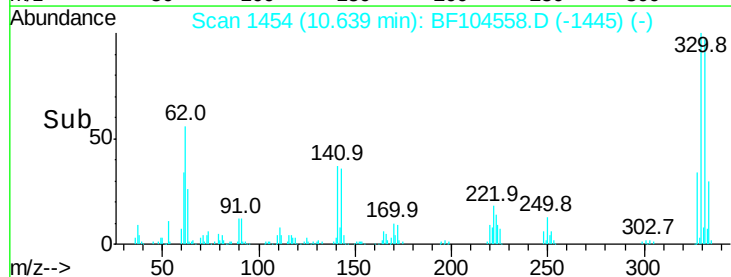
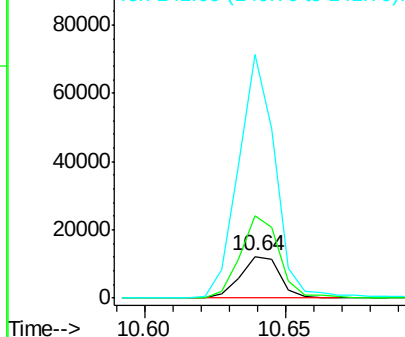


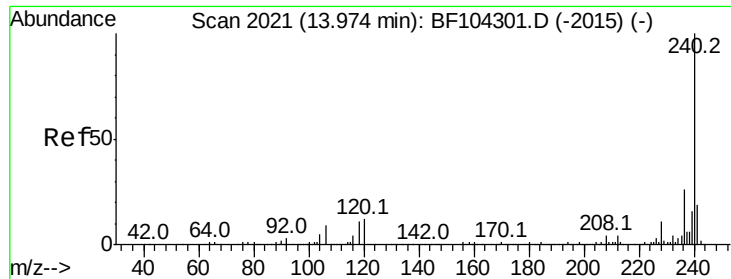
#66
 4-Bromophenyl-phenylether
 Concen: 3.113 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. -0.25 min
 Lab File: BF104558.D
 Acq: 17 Apr 2018 2:38

Tgt Ion:248 Resp: 11694
 Ion Ratio Lower Upper
 248 100
 250 197.6 76.9 115.3#
 141 583.3 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: BF104558.D

Acq: 17 Apr 2018 2:38

Instrument :

BNA_F

ClientSampleId :

NAA-WS-003

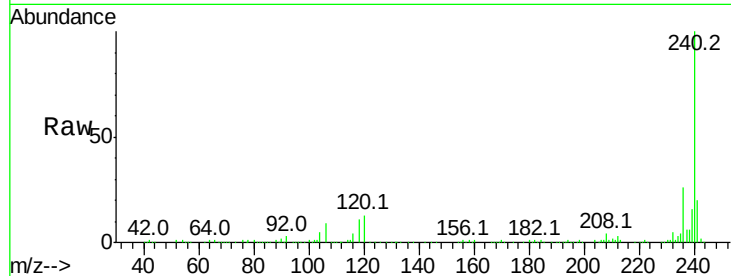
Tot Ion:240 Resp: 286588

Ion Ratio Lower Upper

240 100

120 12.8 9.5 14.3

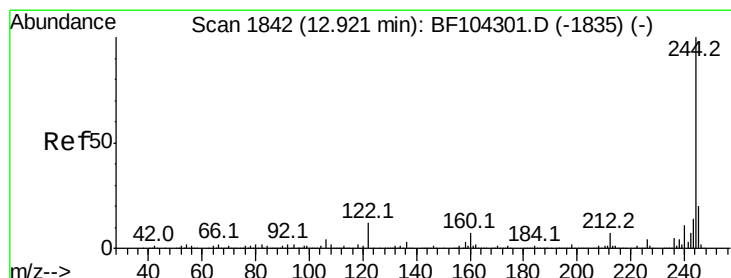
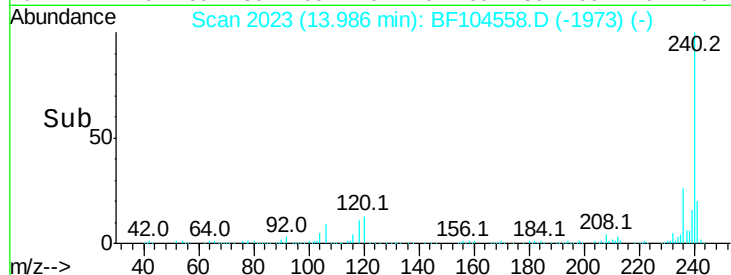
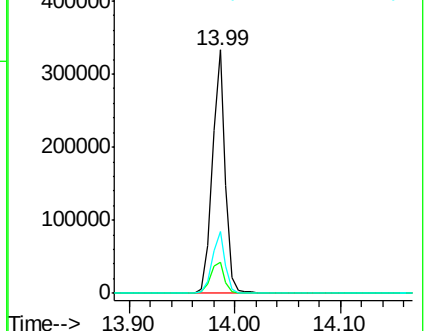
236 25.7 20.7 31.1



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: 63.469 ng

RT: 12.93 min Scan# 1843

Delta R.T. -0.00 min

Lab File: BF104558.D

Acq: 17 Apr 2018 2:38

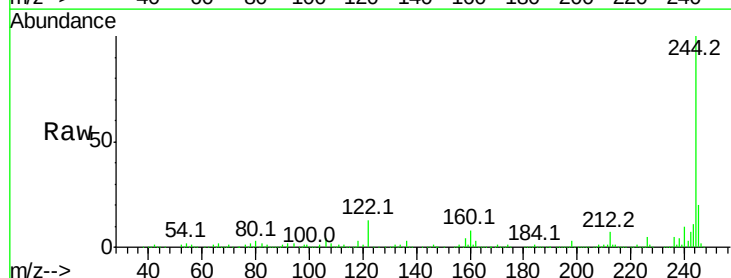
Tgt Ion:244 Resp: 797846

Ion Ratio Lower Upper

244 100

212 7.0 5.4 8.0

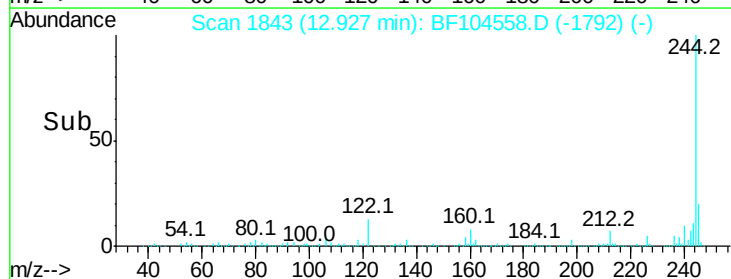
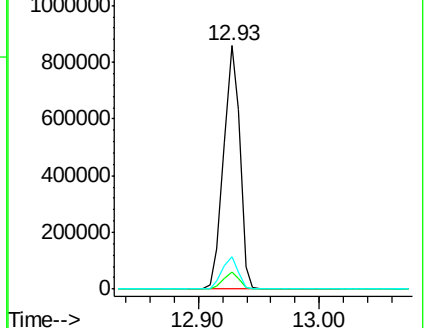
122 13.2 11.0 16.4

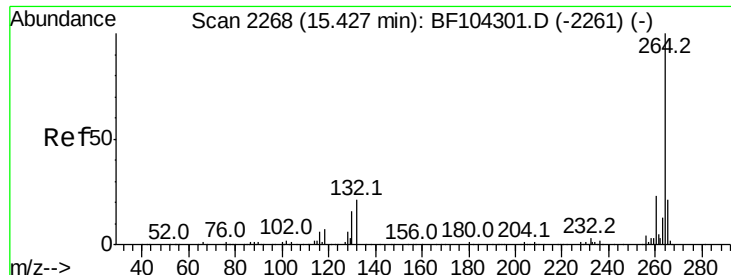


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

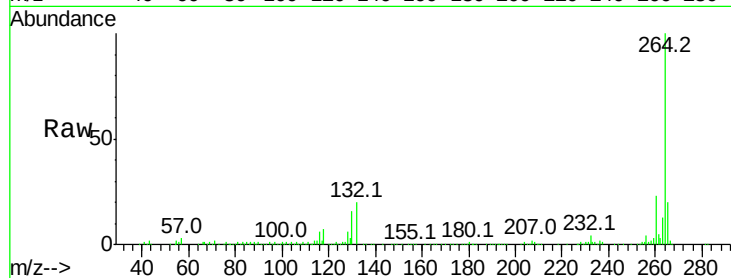




#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.45 min Scan# 2272
 Delta R.T. -0.01 min
 Lab File: BF104558.D
 Acq: 17 Apr 2018 2:38

Instrument :
 BNA_F
 ClientSampleId :
 NAA-WS-003

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.2	28.8
265	20.3	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

