

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041918\
 Data File : BF104647.D
 Acq On : 19 Apr 2018 23:50
 Operator : JU/SJ
 Sample : J2413-04RE
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 20 00:59:27 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 19 14:44:03 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	139379	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	541636	20.00	ng	0.00
38) Acenaphthene-d10	9.84	164	226021	20.00	ng	-0.01
63) Phenanthrene-d10	11.33	188	339892	20.00	ng	0.00
75) Chrysene-d12	13.97	240	278571	20.00	ng	-0.01
86) Perylene-d12	15.44	264	213968	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.42	112	764606	83.88	ng	0.00
7) Phenol-d6	6.45	99	927339	82.80	ng	0.00
23) Nitrobenzene-d5	7.37	82	572372	69.00	ng	-0.01
41) 2,4,6-Tribromophenol	10.63	330	190299	81.17	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	954192	66.69	ng	0.00
78) Terphenyl-d14	12.92	244	713850	58.42	ng	0.00

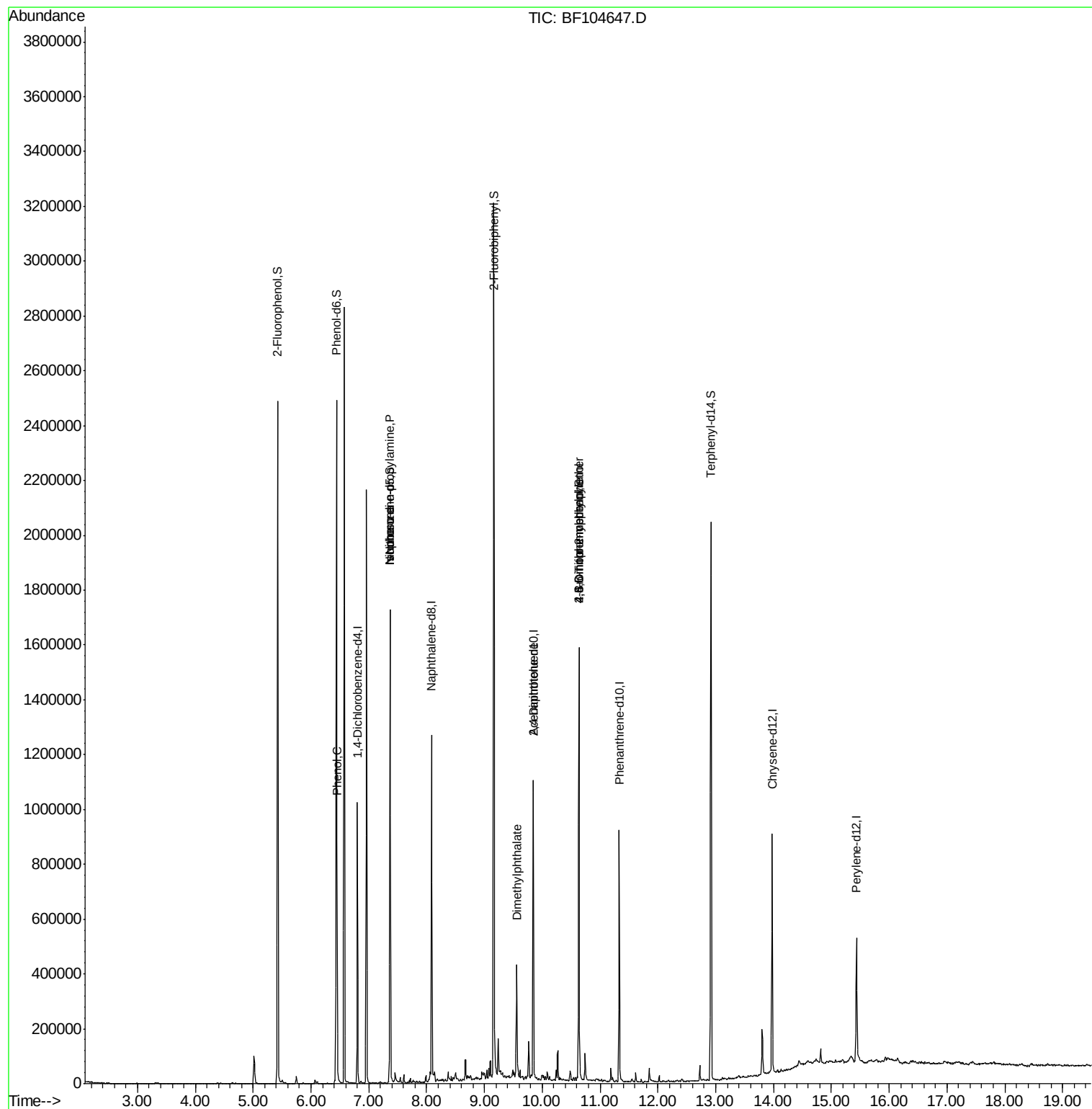
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.45	77	1617	Below Cal	#	1
10) Phenol	6.46	94	34414	2.896	ng	94
19) n-Nitroso-di-n-propylamine	7.37	70	74026	10.115	ng	73
25) Isophorone	7.37	82	572364	32.631	ng	64
49) Dimethylphthalate	9.56	163	134505	7.546	ng	100
56) 2,4-Dinitrotoluene	9.84	165	29582	6.838	ng	23
64) 4,6-Dinitro-2-methylphenol	10.63	198	169	7.434	ng	1
66) 4-Bromophenyl-phenylether	10.63	248	11114	3.074	ng	1
76) Benzidine	12.92	184	8998	Below Cal	#	95

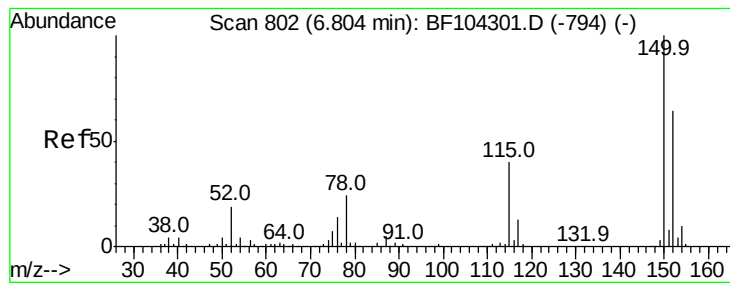
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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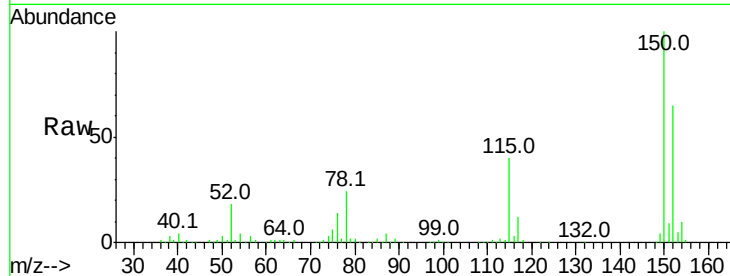


#1

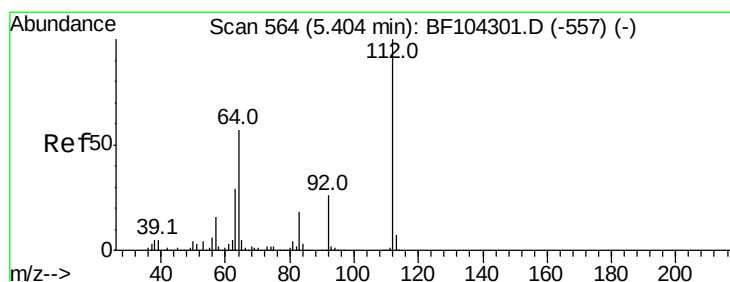
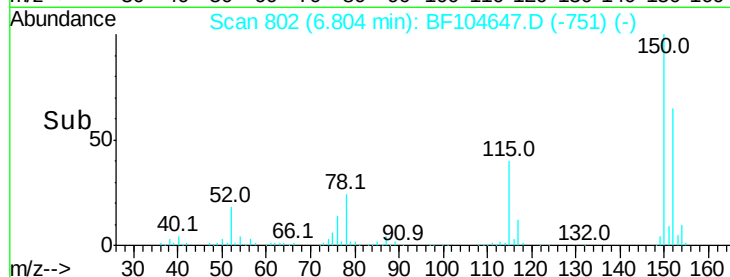
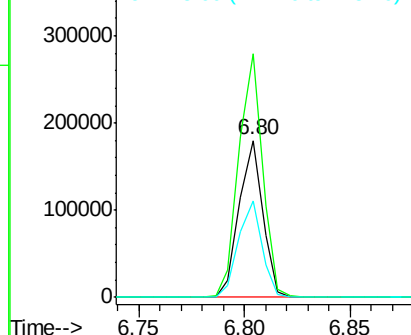
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 802
Delta R.T. -0.00 min
Lab File: BF104647.D
Acq: 19 Apr 2018 23:50

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 139379
Ion Ratio Lower Upper
152 100
150 155.0 124.6 186.8
115 61.7 50.1 75.1



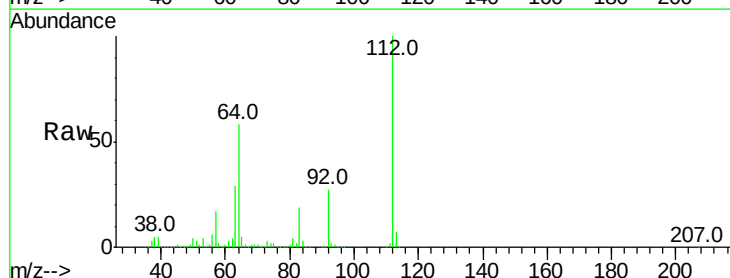
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



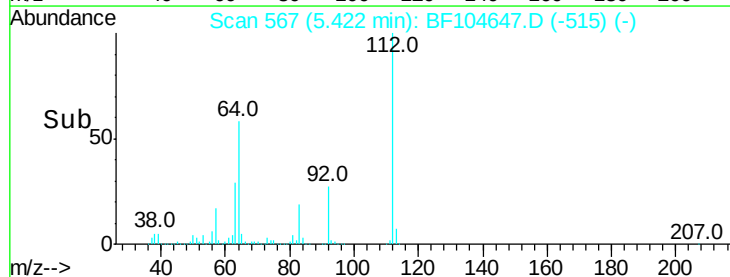
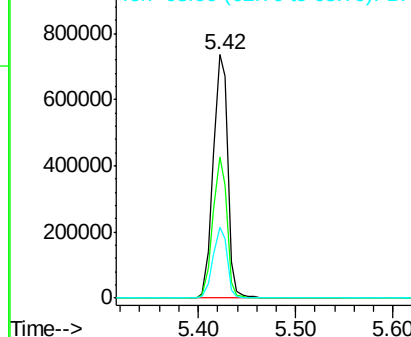
#5

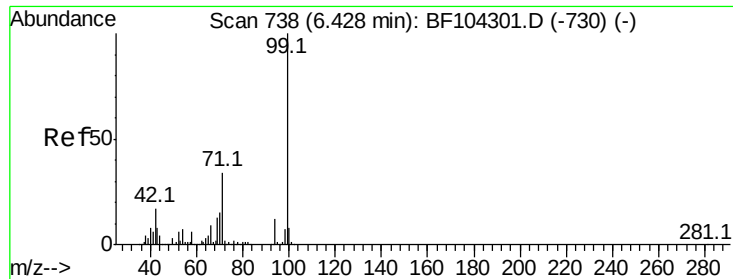
2-Fluorophenol
Concen: 83.881 ng
RT: 5.42 min Scan# 567
Delta R.T. 0.01 min
Lab File: BF104647.D
Acq: 19 Apr 2018 23:50

Tgt Ion:112 Resp: 764606
Ion Ratio Lower Upper
112 100
64 58.0 47.9 71.9
63 29.0 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: 82.799 ng

RT: 6.45 min Scan# 741

Delta R.T. -0.00 min

Lab File: BF104647.D

Acq: 19 Apr 2018 23:50

Instrument :

BNA_F

ClientSampleId :

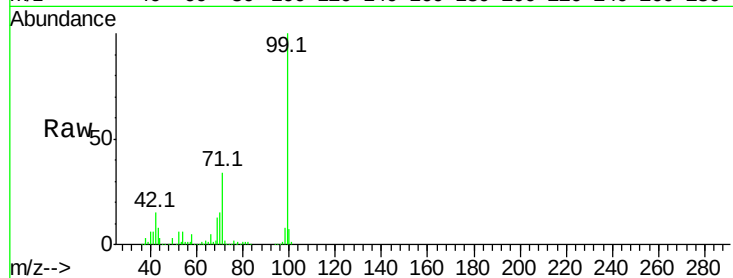
Tot Ion: 99 Resp: 927339

Ion Ratio Lower Upper

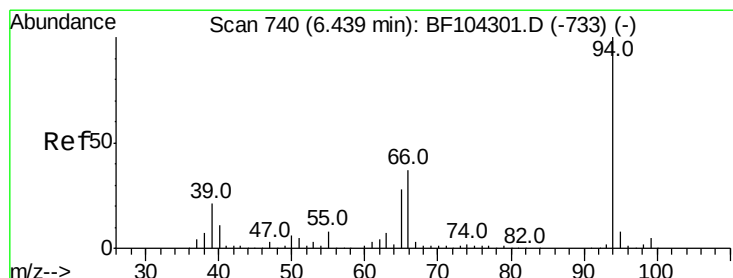
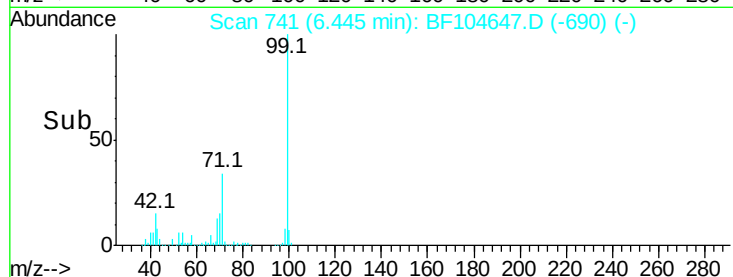
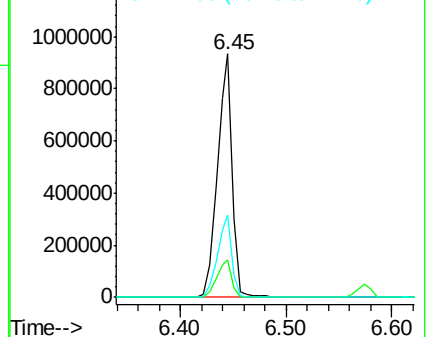
99 100

42 15.4 14.5 21.7

71 33.9 25.4 38.0



Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#10

Phenol

Concen: 2.896 ng

RT: 6.46 min Scan# 743

Delta R.T. -0.01 min

Lab File: BF104647.D

Acq: 19 Apr 2018 23:50

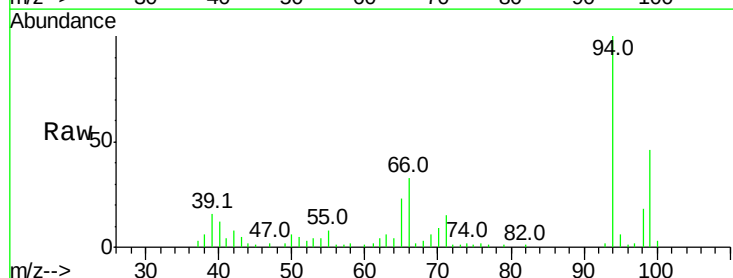
Tgt Ion: 94 Resp: 34414

Ion Ratio Lower Upper

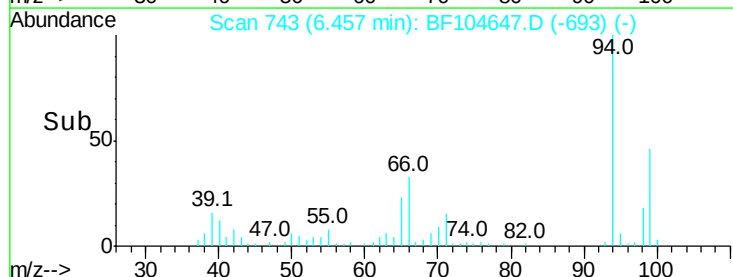
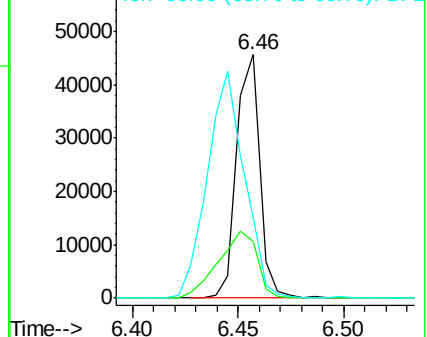
94 100

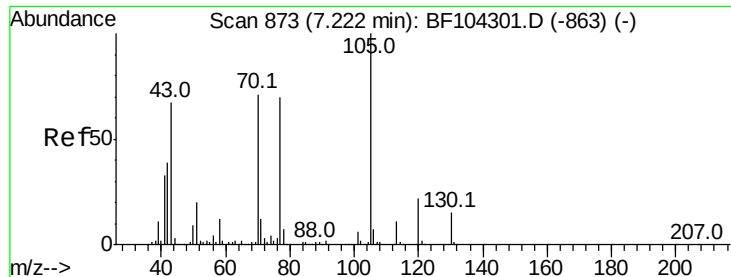
65 23.2 7.9 47.9

66 33.5 16.2 56.2



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1

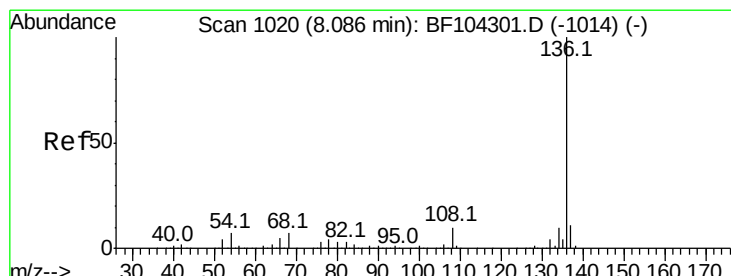
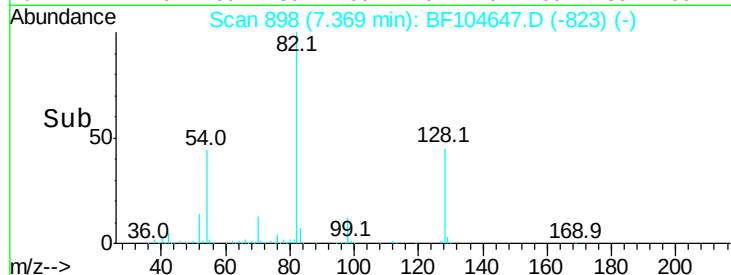
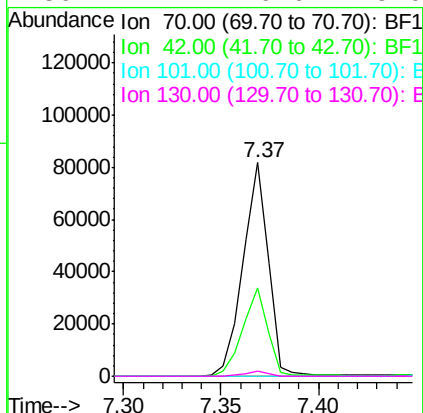
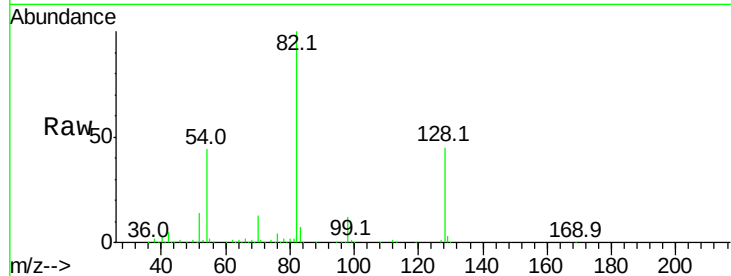




#19
n-Nitroso-di-n-propylamine
Concen: 10.115 ng
RT: 7.37 min Scan# 898
Delta R.T. 0.14 min
Lab File: BF104647.D
Acq: 19 Apr 2018 23:50

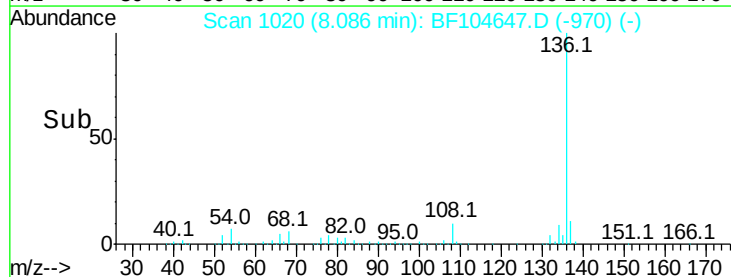
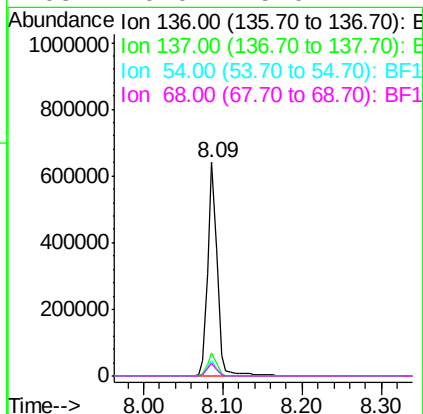
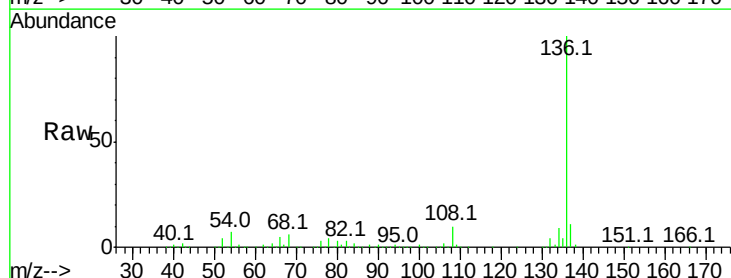
Instrument :
BNA_F
ClientSampleId :

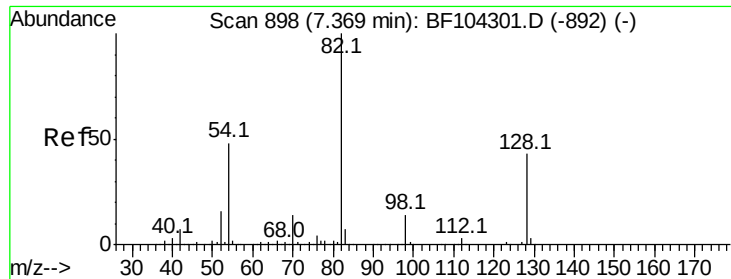
Tot Ion: 70 Resp: 74026
Ion Ratio Lower Upper
70 100
42 41.7 47.5 71.3#
101 0.0 7.4 11.2#
130 2.4 16.6 25.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1020
Delta R.T. -0.01 min
Lab File: BF104647.D
Acq: 19 Apr 2018 23:50

Tgt Ion:136 Resp: 541636
Ion Ratio Lower Upper
136 100
137 10.7 8.9 13.3
54 7.1 6.6 9.8
68 6.0 5.0 7.4

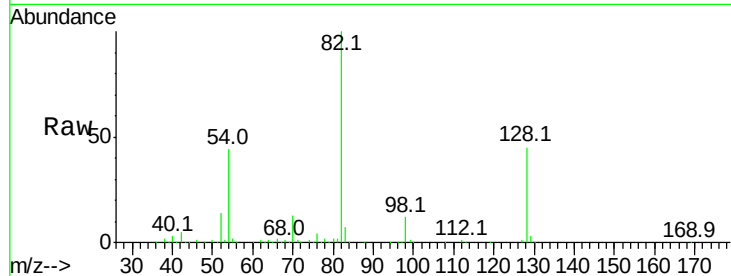




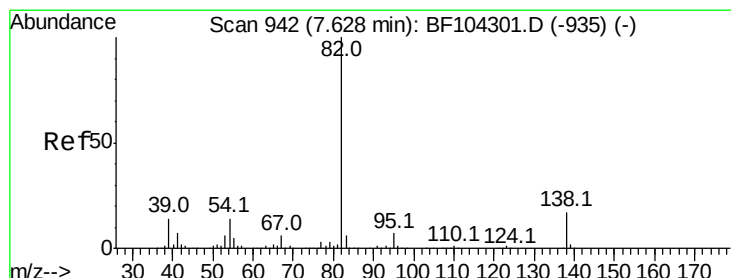
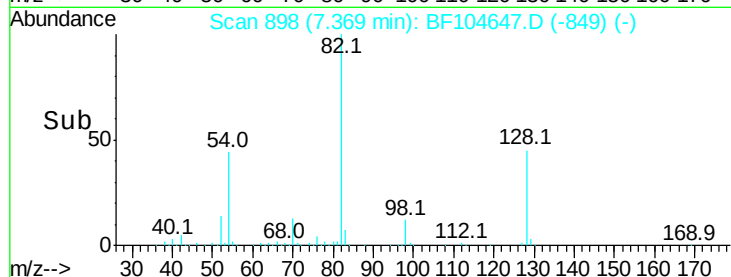
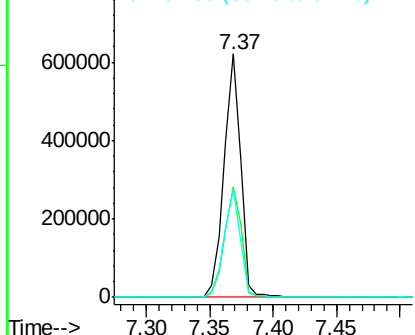
#23
 Nitrobenzene-d5
 Concen: 69.004 ng
 RT: 7.37 min Scan# 898
 Delta R.T. -0.01 min
 Lab File: BF104647.D
 Acq: 19 Apr 2018 23:50

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion: 82 Resp: 572372
 Ion Ratio Lower Upper
 82 100
 128 45.5 36.1 54.1
 54 44.4 41.4 62.2

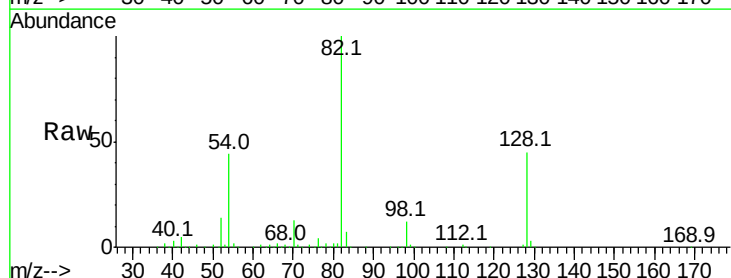


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

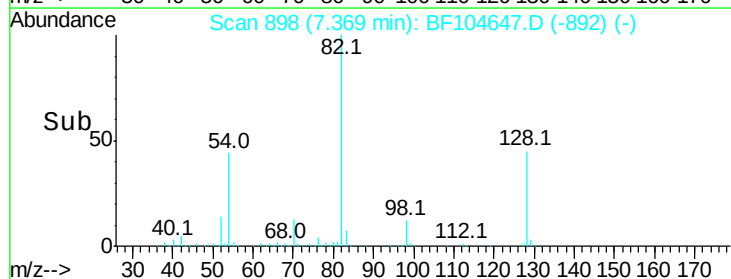
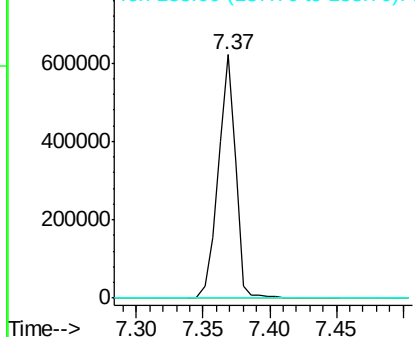


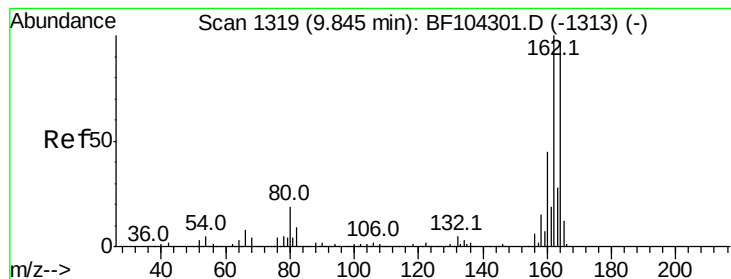
#25
 Isophorone
 Concen: 32.631 ng
 RT: 7.37 min Scan# 898
 Delta R.T. -0.26 min
 Lab File: BF104647.D
 Acq: 19 Apr 2018 23:50

Tgt Ion: 82 Resp: 572364
 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: 9.84 min Scan# 1318

Delta R.T. -0.01 min

Lab File: BF104647.D

Acq: 19 Apr 2018 23:50

Instrument :

BNA_F

ClientSampleId :

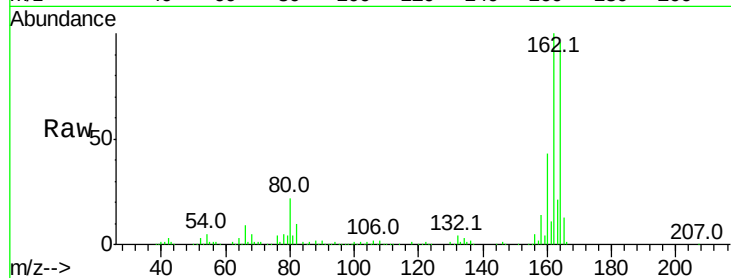
Tot Ion:164 Resp: 226021

Ion Ratio Lower Upper

164 100

162 104.6 86.1 129.1

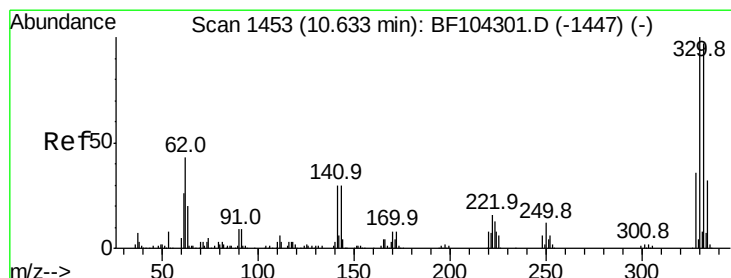
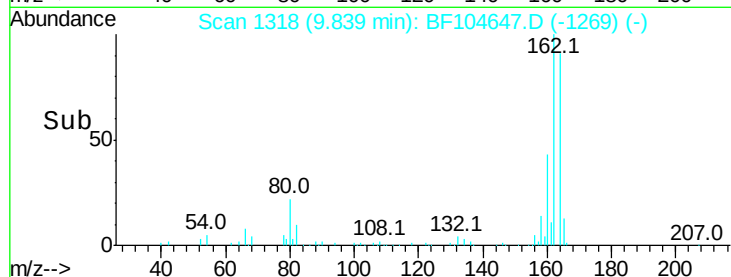
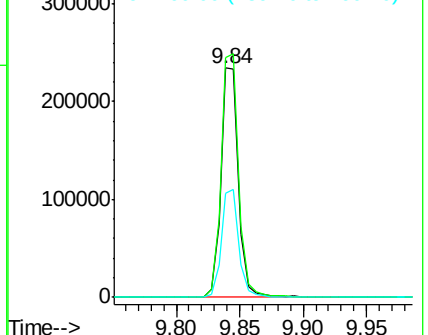
160 45.5 38.3 57.5



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: 81.166 ng

RT: 10.63 min Scan# 1453

Delta R.T. -0.01 min

Lab File: BF104647.D

Acq: 19 Apr 2018 23:50

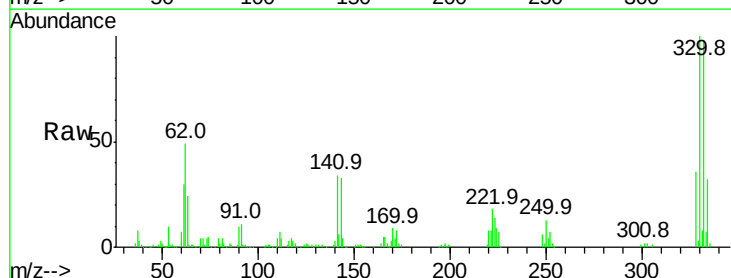
Tgt Ion:330 Resp: 190299

Ion Ratio Lower Upper

330 100

332 97.6 77.0 115.6

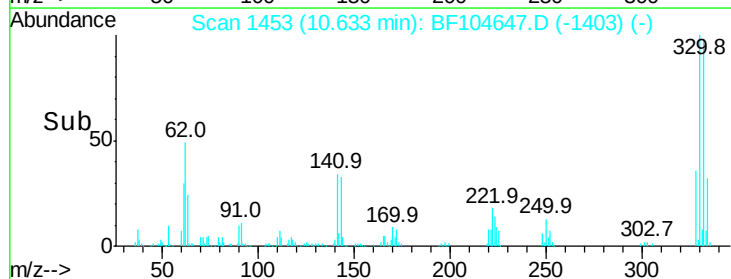
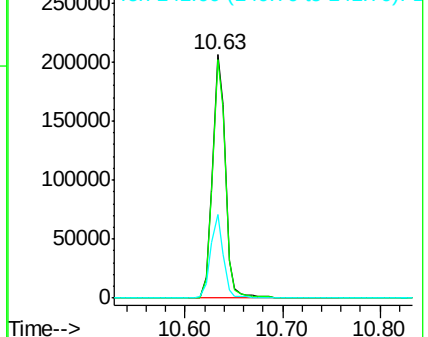
141 33.6 29.9 44.9

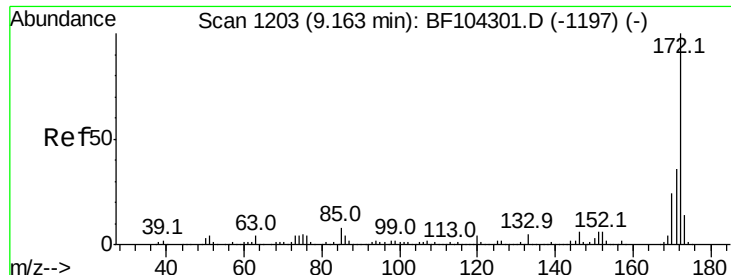


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

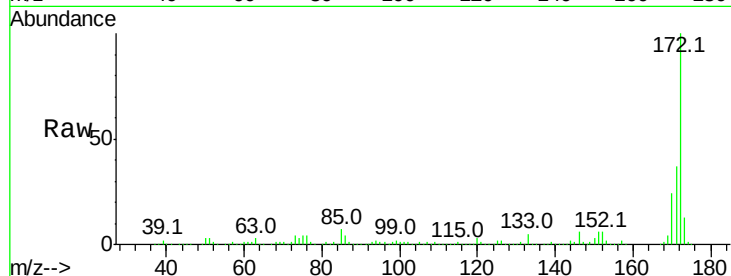




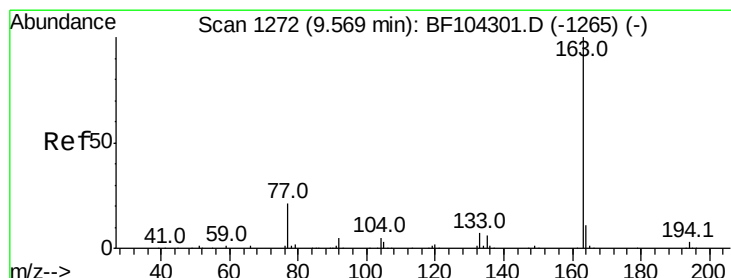
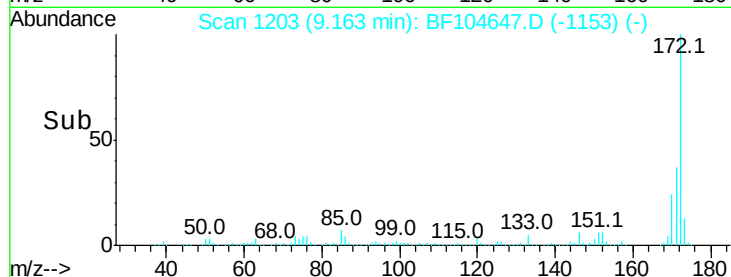
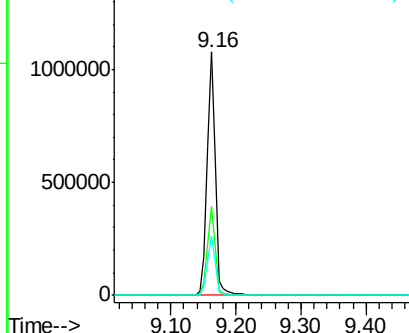
#44
2-Fluorobiphenyl
Concen: 66.692 ng
RT: 9.16 min Scan# 1203
Delta R.T. -0.01 min
Lab File: BF104647.D
Acq: 19 Apr 2018 23:50

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.6	29.7	44.5
170	24.4	19.6	29.4

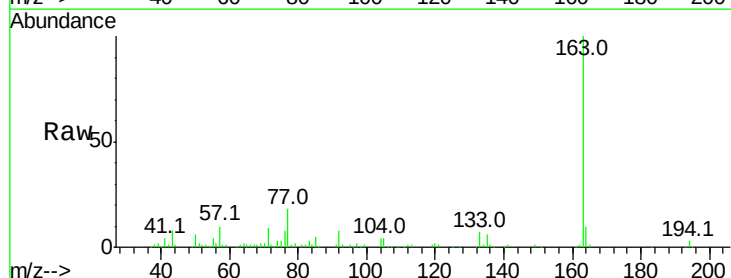


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

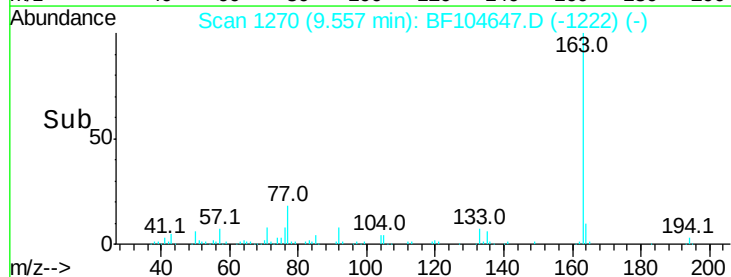
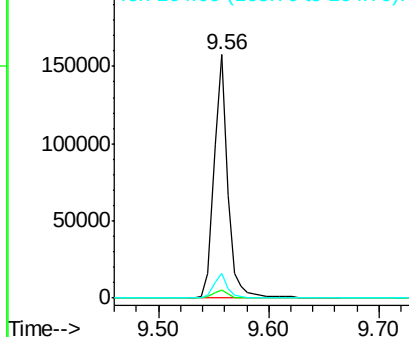


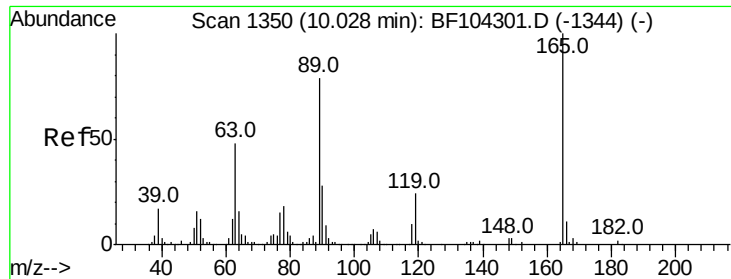
#49
Dimethylphthalate
Concen: 7.546 ng
RT: 9.56 min Scan# 1270
Delta R.T. -0.02 min
Lab File: BF104647.D
Acq: 19 Apr 2018 23:50

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.2	2.7	4.1
164	10.4	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

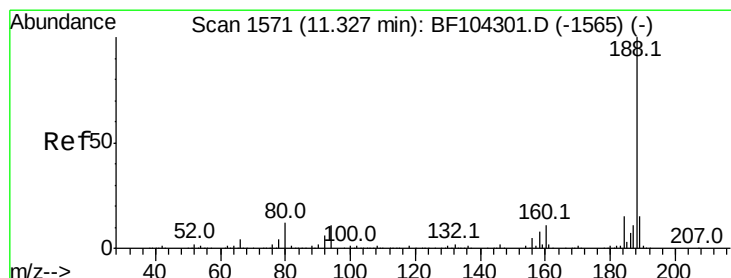
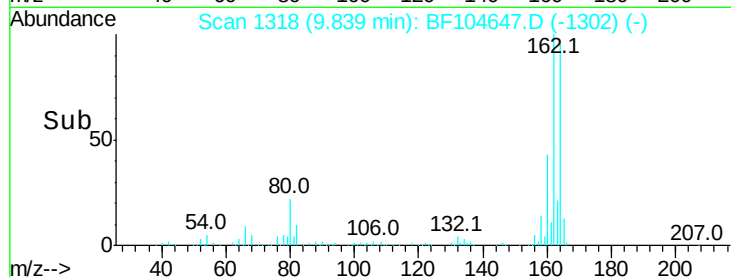
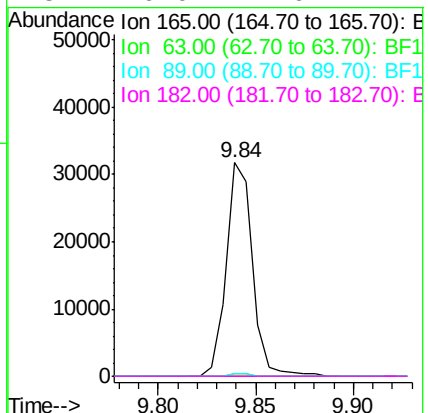
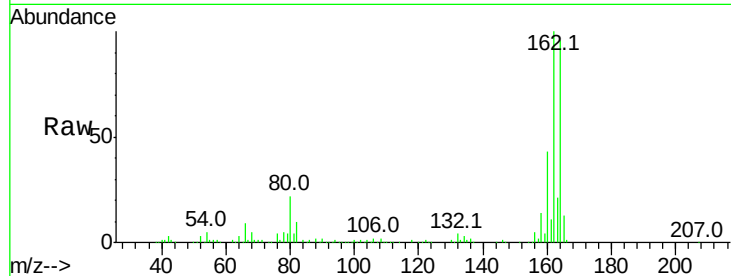




#56
 2,4-Dinitrotoluene
 Concen: 6.838 ng
 RT: 9.84 min Scan# 1318
 Delta R.T. -0.21 min
 Lab File: BF104647.D
 Acq: 19 Apr 2018 23:50

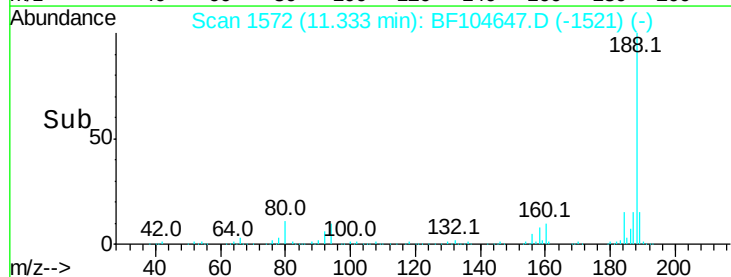
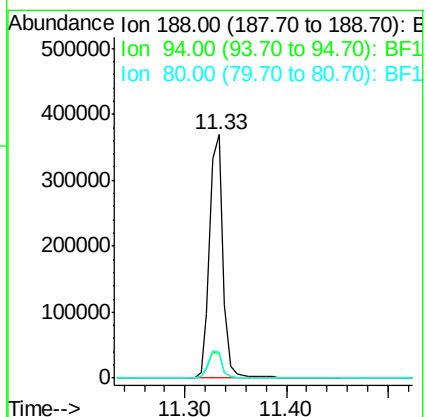
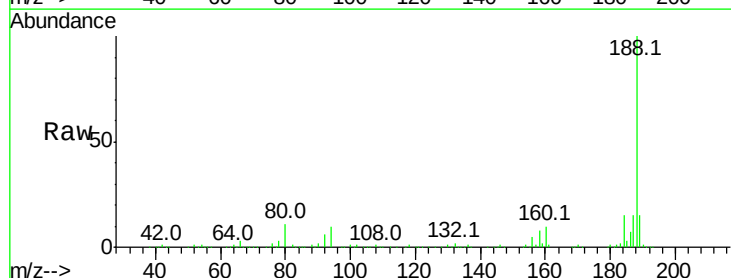
Instrument :
 BNA_F
 ClientSampled :

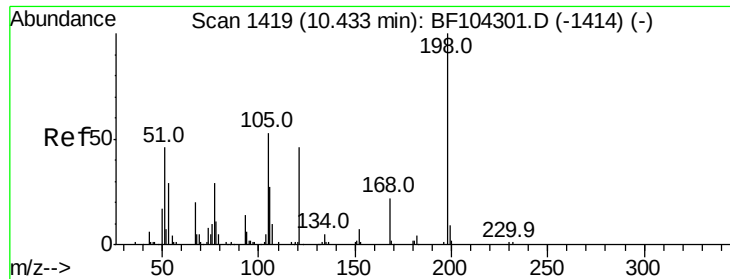
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.2	36.4	54.6#
89	1.4	57.8	86.6#
182	0.0	1.6	2.4#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.33 min Scan# 1572
 Delta R.T. -0.00 min
 Lab File: BF104647.D
 Acq: 19 Apr 2018 23:50

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.2	8.5	12.7
80	10.8	9.2	13.8





#64

4,6-Dinitro-2-methylphenol

Concen: 7.434 ng

RT: 10.63 min Scan# 1453

Delta R.T. 0.18 min

Lab File: BF104647.D

Acq: 19 Apr 2018 23:50

Instrument :

BNA_F

ClientSampled :

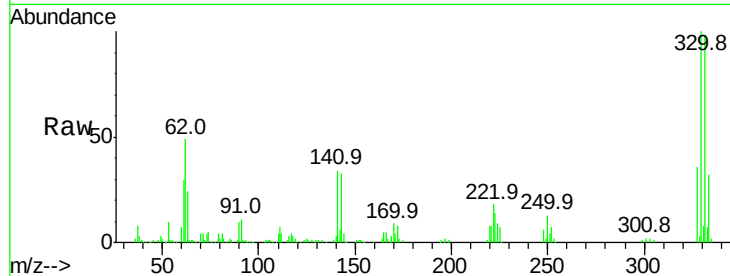
Tot Ion:198 Resp: 169

Ion Ratio Lower Upper

198 100

51 195.0 37.7 77.7#

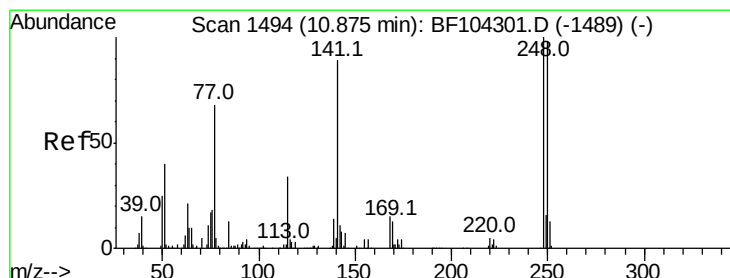
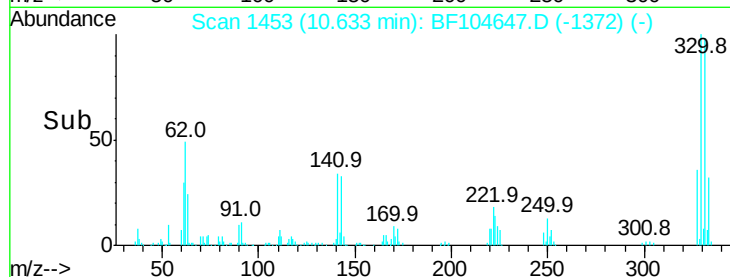
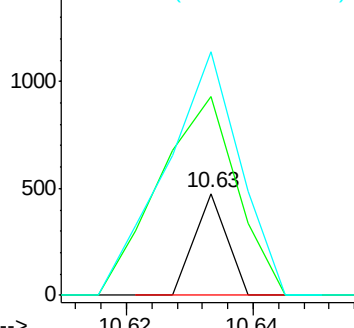
105 238.3 36.3 76.3#



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



#66

4-Bromophenyl-phenylether

Concen: 3.074 ng

RT: 10.63 min Scan# 1453

Delta R.T. -0.25 min

Lab File: BF104647.D

Acq: 19 Apr 2018 23:50

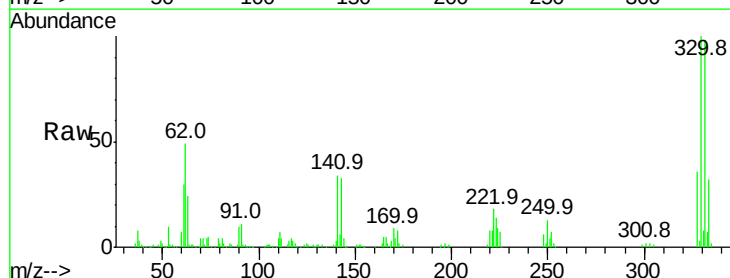
Tgt Ion:248 Resp: 11114

Ion Ratio Lower Upper

248 100

250 199.9 76.9 115.3#

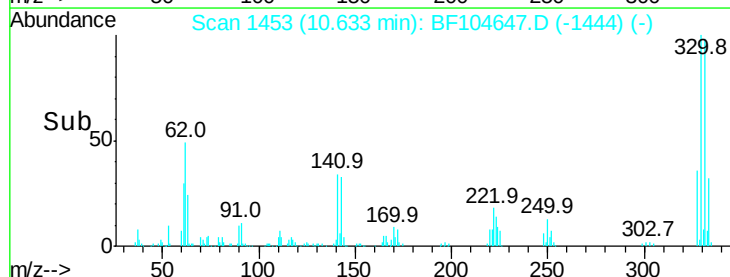
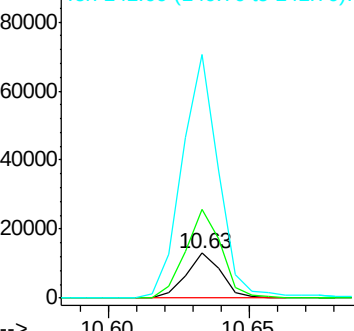
141 545.8 74.4 111.6#

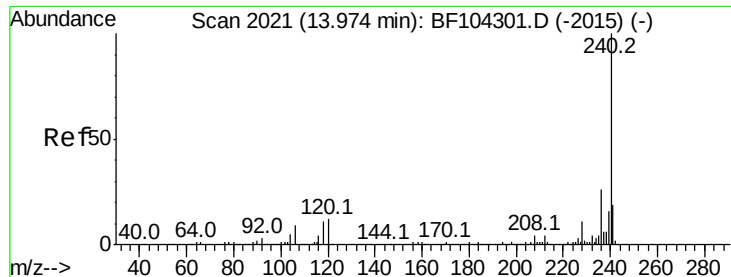


Abundance Ion 248.00 (247.70 to 248.70): E

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: 13.97 min Scan# 2021

Delta R.T. -0.01 min

Lab File: BF104647.D

Acq: 19 Apr 2018 23:50

Instrument :

BNA_F

ClientSampleId :

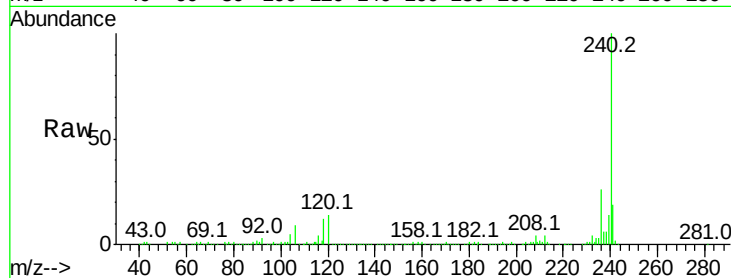
Tot Ion:240 Resp: 278571

Ion Ratio Lower Upper

240 100

120 14.0 9.5 14.3

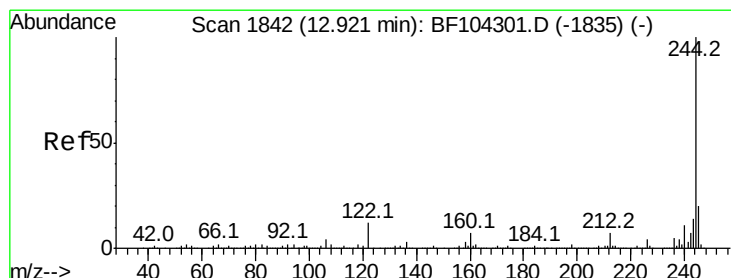
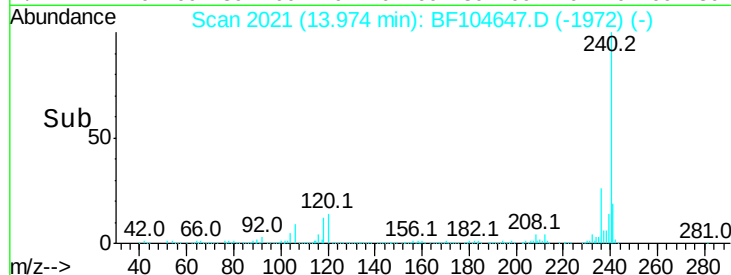
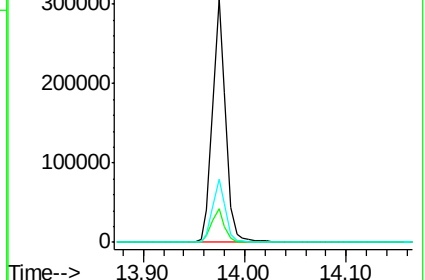
236 26.0 20.7 31.1



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: 58.422 ng

RT: 12.92 min Scan# 1841

Delta R.T. -0.01 min

Lab File: BF104647.D

Acq: 19 Apr 2018 23:50

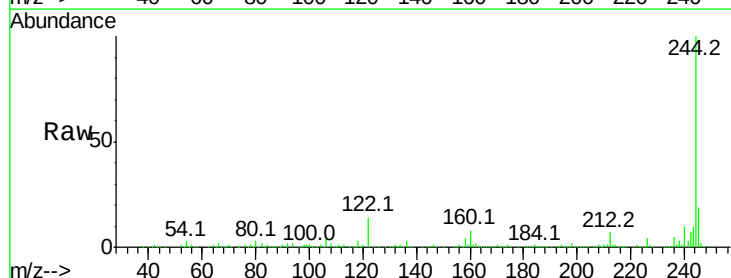
Tgt Ion:244 Resp: 713850

Ion Ratio Lower Upper

244 100

212 6.6 5.4 8.0

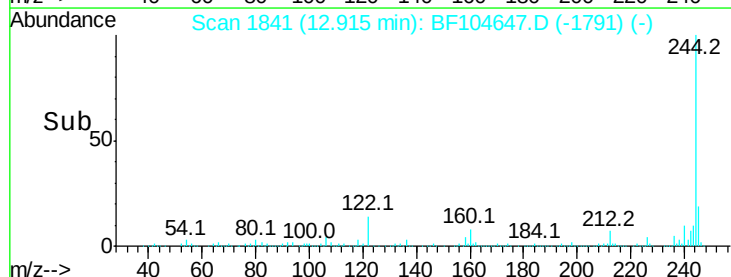
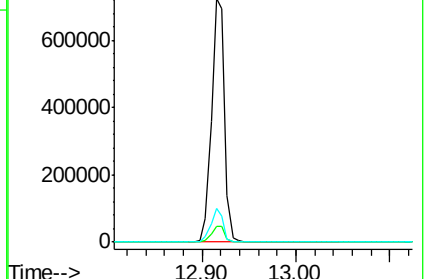
122 13.7 11.0 16.4

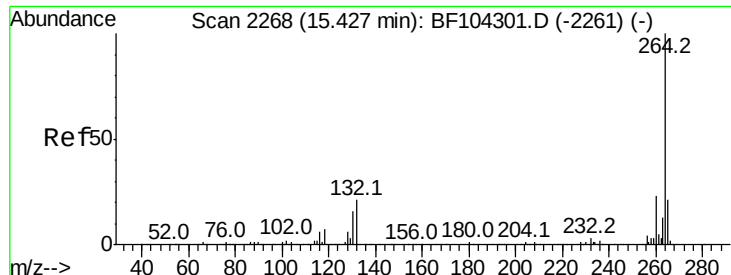


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

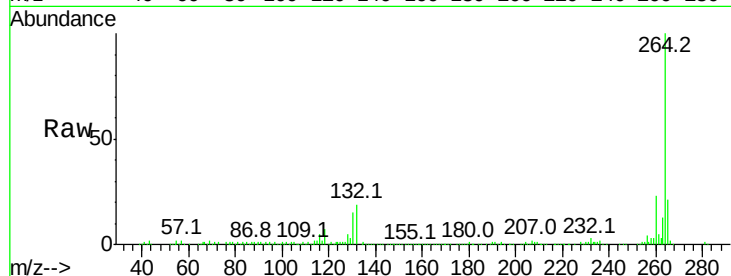




#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.44 min Scan# 2270
 Delta R.T. -0.01 min
 Lab File: BF104647.D
 Acq: 19 Apr 2018 23:50

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:264 Resp: 213968
 Ion Ratio Lower Upper
 264 100
 260 22.7 19.2 28.8
 265 20.7 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

