

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041918\
 Data File : BF104646.D
 Acq On : 19 Apr 2018 23:23
 Operator : JU/SJ
 Sample : J2457-06
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 20 00:59:14 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	134790	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	517189	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	208899	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	320442	20.00	ng	0.00
75) Chrysene-d12	13.97	240	284960	20.00	ng	-0.01
86) Perylene-d12	15.44	264	229135	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.43	112	807794	91.64	ng	0.01
7) Phenol-d6	6.45	99	966608	89.24	ng	0.00
23) Nitrobenzene-d5	7.37	82	603135	76.15	ng	-0.01
41) 2,4,6-Tribromophenol	10.63	330	195106	90.04	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	832547	62.96	ng	0.00
78) Terphenyl-d14	12.92	244	566500	45.32	ng	0.00

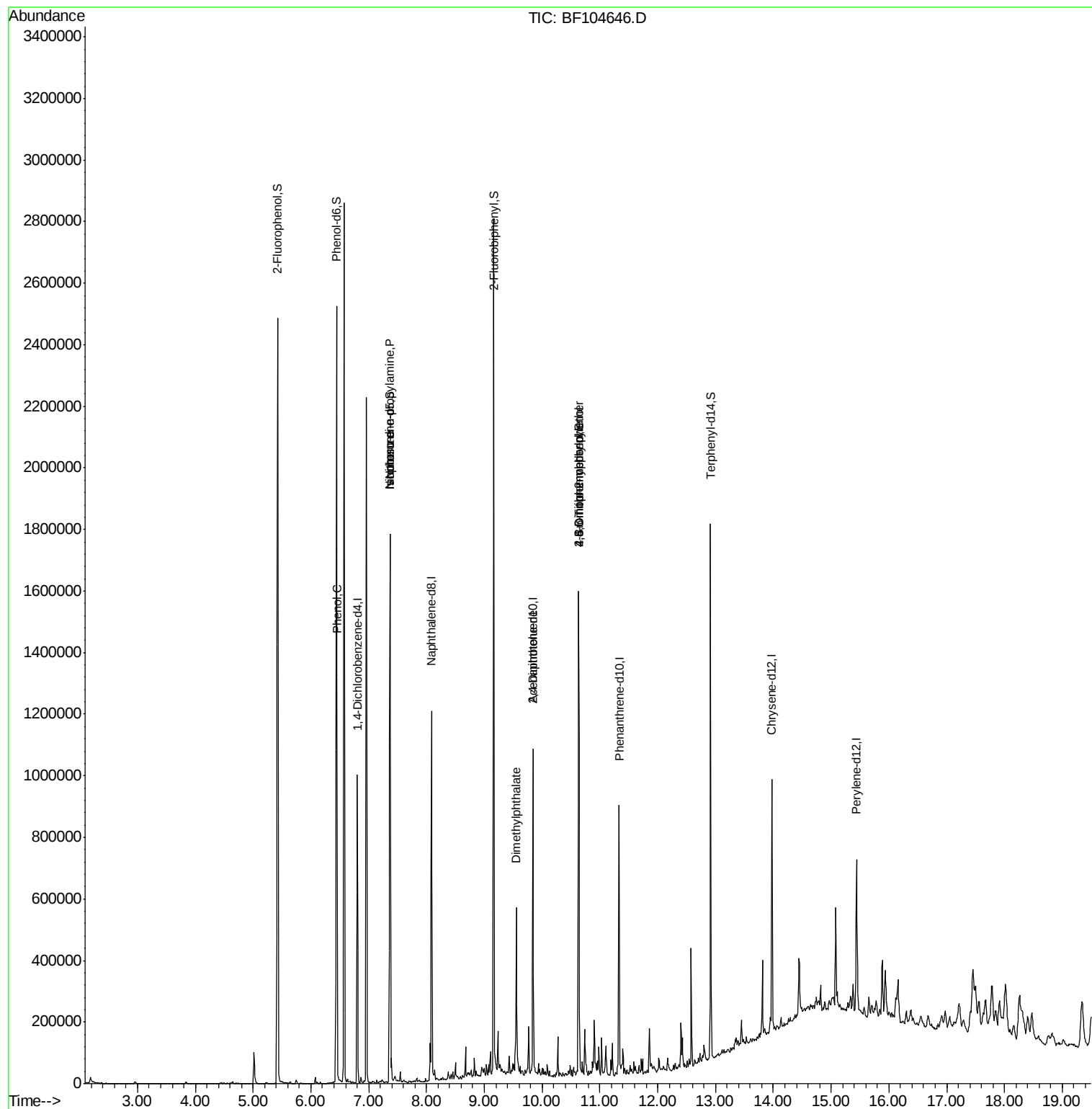
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.36	77	827	Below Cal		90
10) Phenol	6.46	94	54003	4.699 ng		94
19) n-Nitroso-di-n-propylamine	7.37	70	82352	11.635 ng	#	72
25) Isophorone	7.37	82	603129	36.010 ng	#	64
49) Dimethylphthalate	9.56	163	173963	10.560 ng		99
56) 2,4-Dinitrotoluene	9.84	165	26955	6.742 ng	#	24
64) 4,6-Dinitro-2-methylphenol	10.63	198	283	7.501 ng	#	1
66) 4-Bromophenyl-phenylether	10.63	248	11783	3.457 ng	#	1
76) Benzidine	12.92	184	7521	Below Cal		94

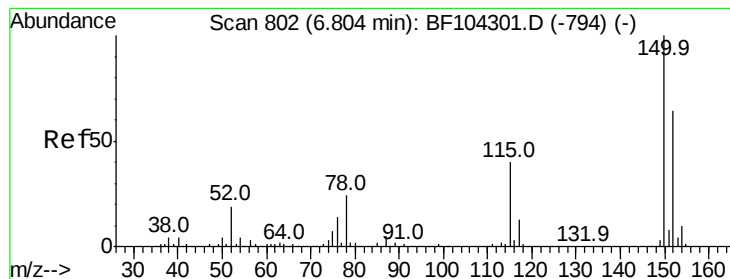
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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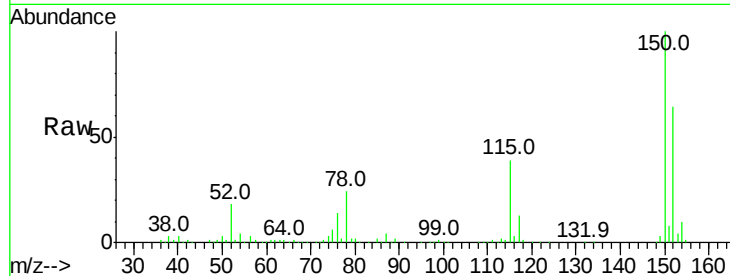


#1

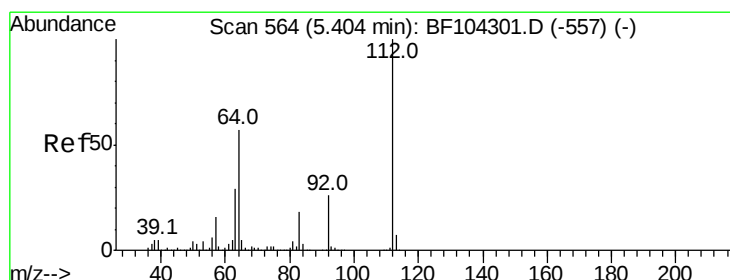
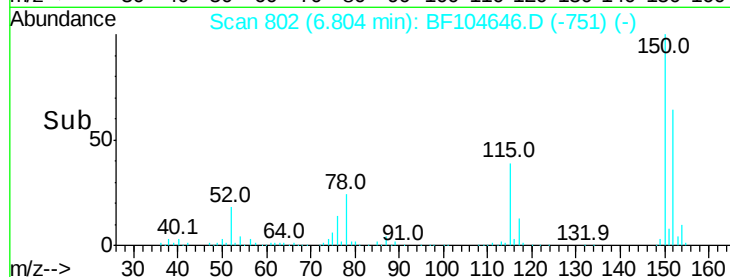
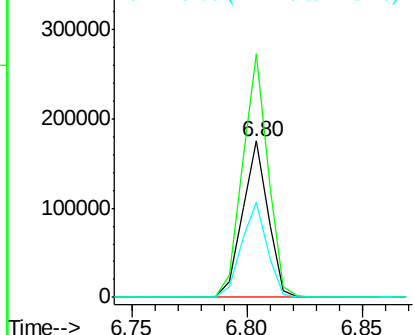
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 802
Delta R.T. -0.00 min
Lab File: BF104646.D
Acq: 19 Apr 2018 23:23

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 134790
Ion Ratio Lower Upper
152 100
150 155.9 124.6 186.8
115 60.8 50.1 75.1



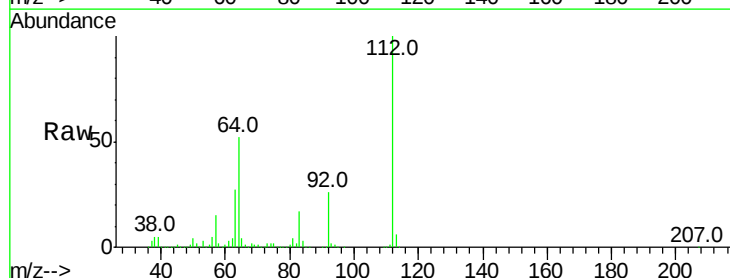
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



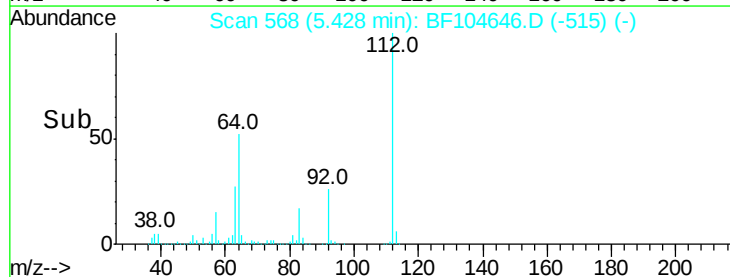
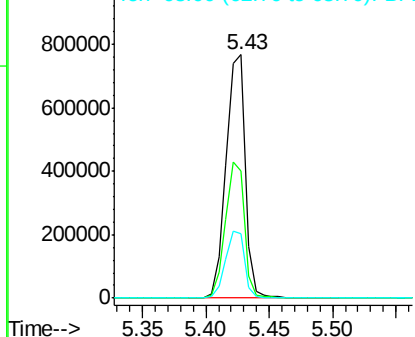
#5

2-Fluorophenol
Concen: 91.636 ng
RT: 5.43 min Scan# 568
Delta R.T. 0.01 min
Lab File: BF104646.D
Acq: 19 Apr 2018 23:23

Tgt Ion:112 Resp: 807794
Ion Ratio Lower Upper
112 100
64 52.1 47.9 71.9
63 26.6 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: 89.244 ng

RT: 6.45 min Scan# 741

Delta R.T. -0.00 min

Lab File: BF104646.D

Acq: 19 Apr 2018 23:23

Instrument :

BNA_F

ClientSampleId :

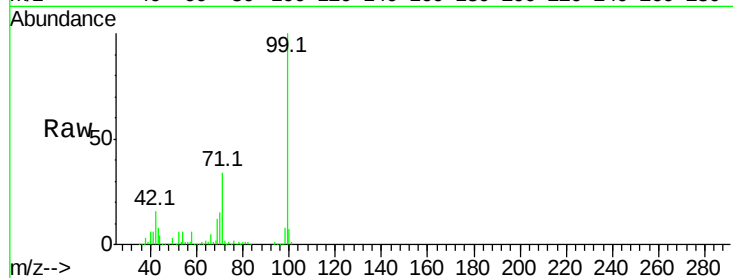
Tot Ion: 99 Resp: 966608

Ion Ratio Lower Upper

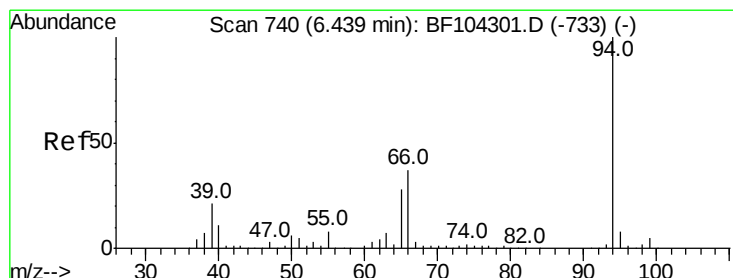
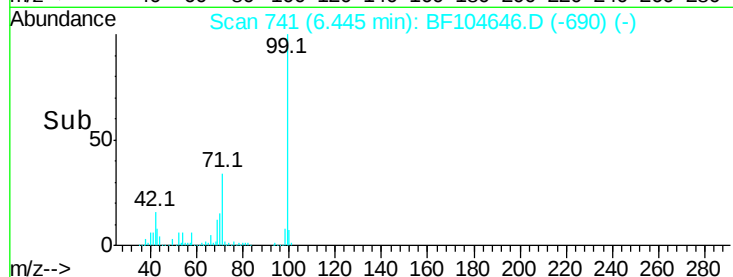
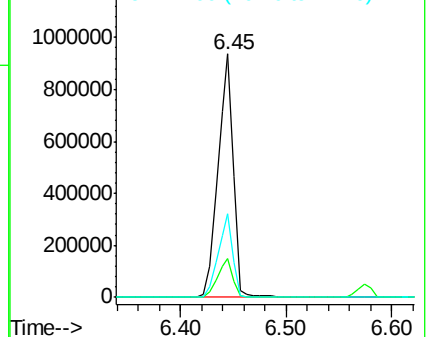
99 100

42 16.0 14.5 21.7

71 34.4 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: 4.699 ng

RT: 6.46 min Scan# 743

Delta R.T. -0.01 min

Lab File: BF104646.D

Acq: 19 Apr 2018 23:23

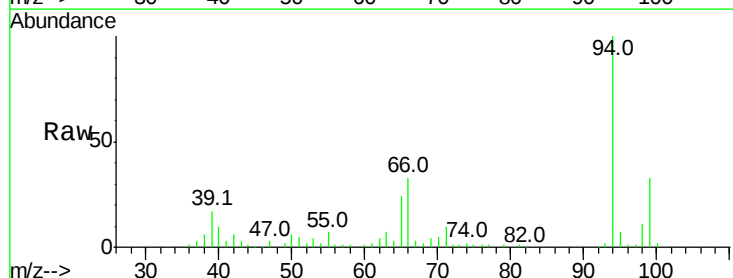
Tgt Ion: 94 Resp: 54003

Ion Ratio Lower Upper

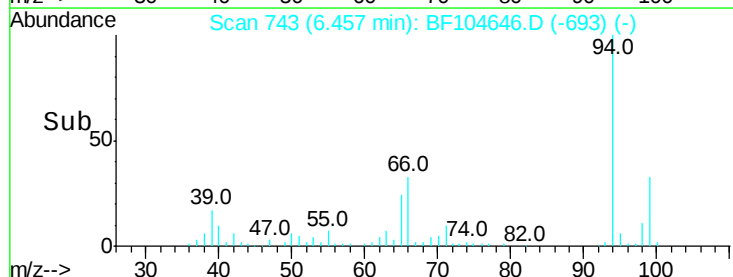
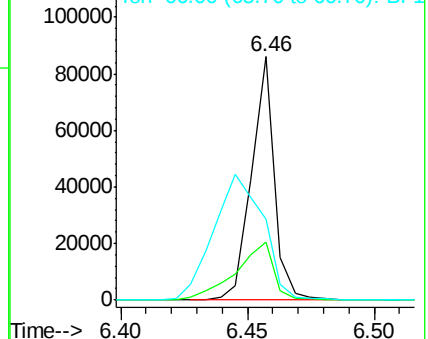
94 100

65 23.7 7.9 47.9

66 33.1 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

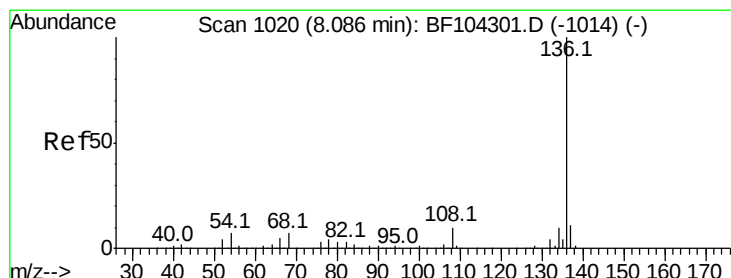
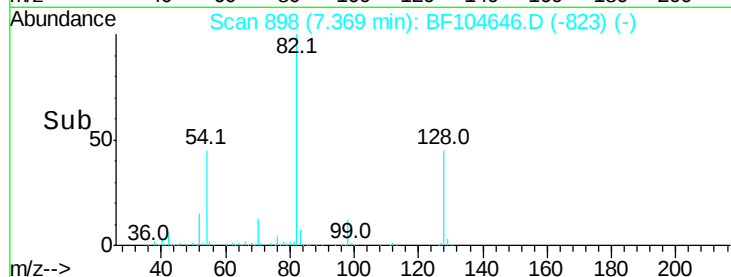
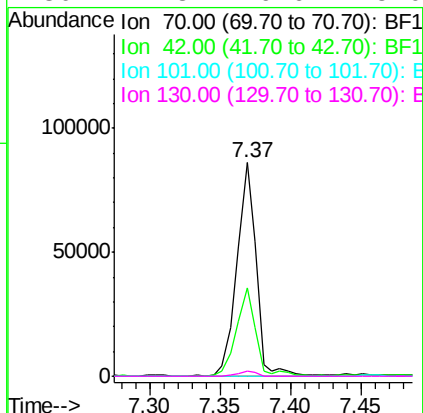
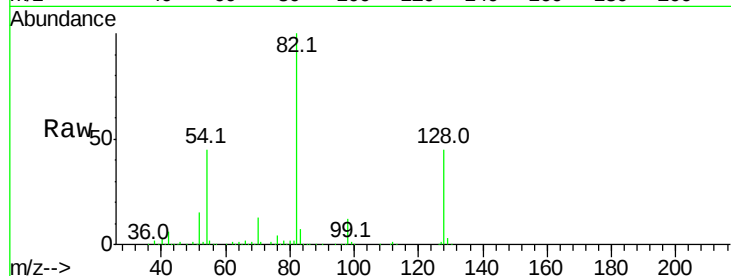




#19
n-Nitroso-di-n-propylamine
Concen: 11.635 ng
RT: 7.37 min Scan# 898
Delta R.T. 0.14 min
Lab File: BF104646.D
Acq: 19 Apr 2018 23:23

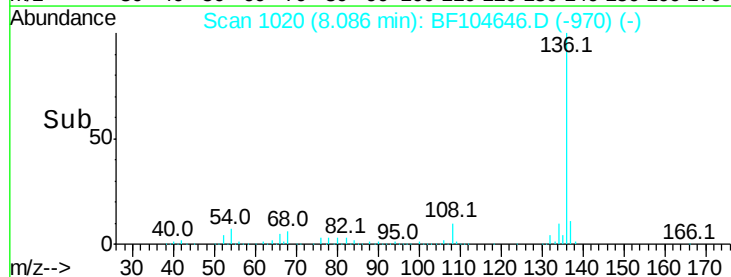
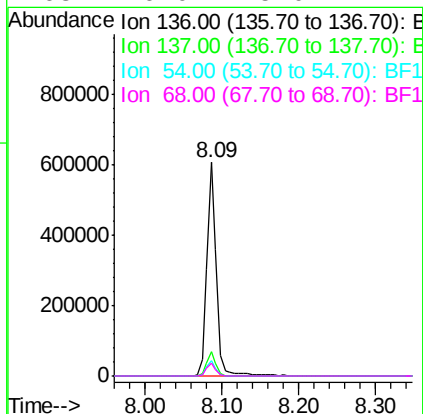
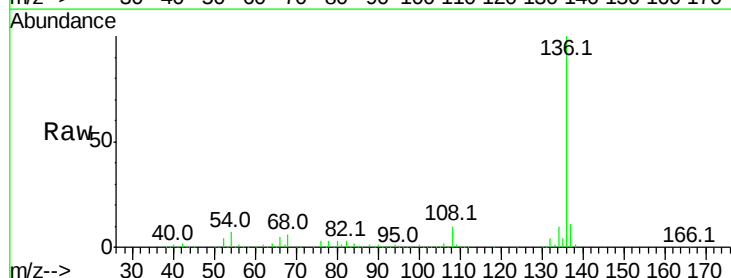
Instrument :
BNA_F
ClientSampleId :

Tot Ion: 70 Resp: 82352
Ion Ratio Lower Upper
70 100
42 41.3 47.5 71.3#
101 0.0 7.4 11.2#
130 2.3 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: BF104646.D
Acq: 19 Apr 2018 23:23

Tgt Ion: 136 Resp: 517189
Ion Ratio Lower Upper
136 100
137 11.4 8.9 13.3
54 7.0 6.6 9.8
68 6.0 5.0 7.4

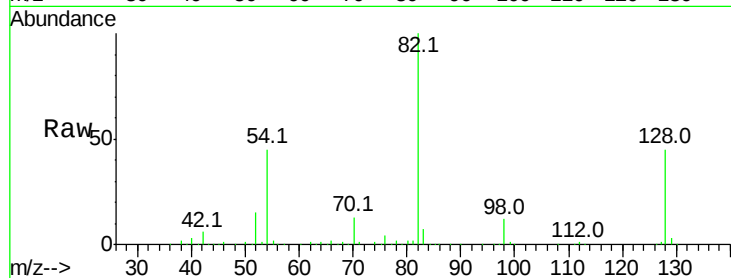




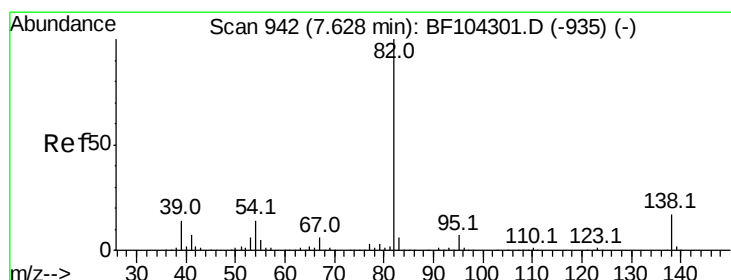
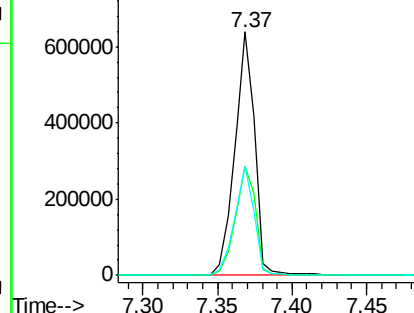
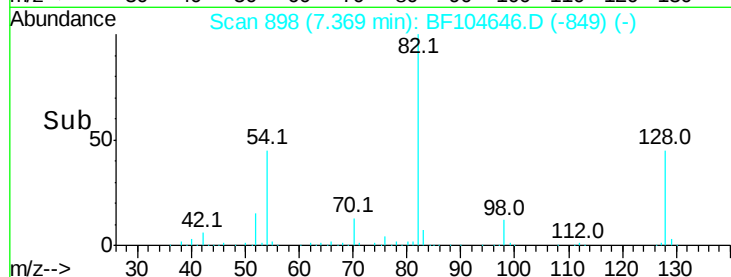
#23
Nitrobenzene-d5
Concen: 76.149 ng
RT: 7.37 min Scan# 898
Delta R.T. -0.01 min
Lab File: BF104646.D
Acq: 19 Apr 2018 23:23

Instrument :
BNA_F
ClientSampled :

Tot Ion	82	Resp	603135
Ion Ratio	100	Lower	Upper
128	45.1	36.1	54.1
54	44.9	41.4	62.2

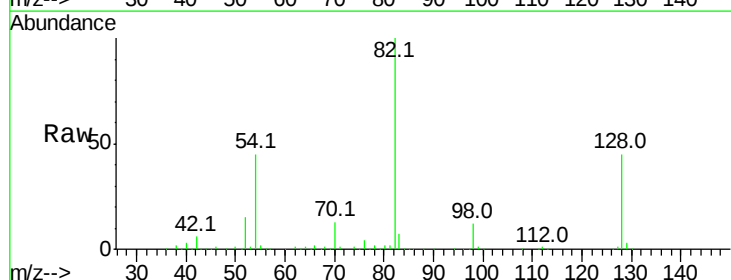


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

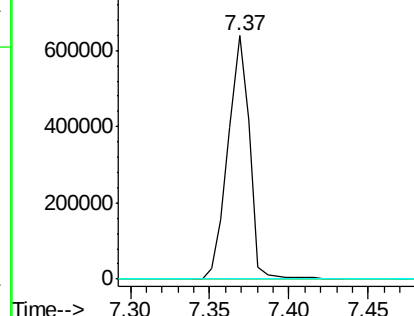
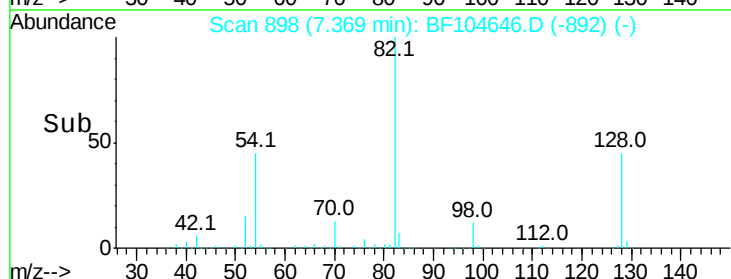


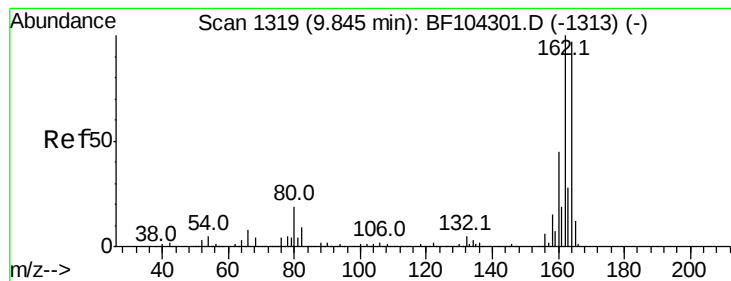
#25
Isophorone
Concen: 36.010 ng
RT: 7.37 min Scan# 898
Delta R.T. -0.26 min
Lab File: BF104646.D
Acq: 19 Apr 2018 23:23

Tgt Ion	82	Resp	603129
Ion Ratio	100	Lower	Upper
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: BF104646.D

Acq: 19 Apr 2018 23:23

Instrument :

BNA_F

ClientSampleId :

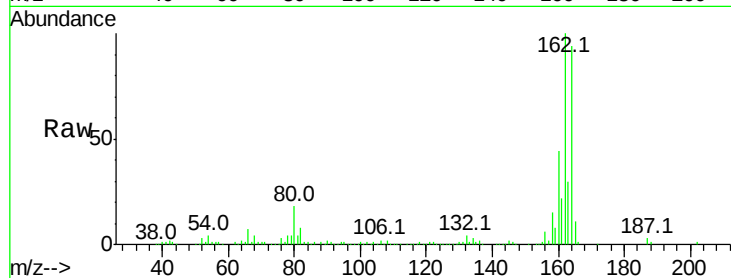
Tot Ion:164 Resp: 208899

Ion Ratio Lower Upper

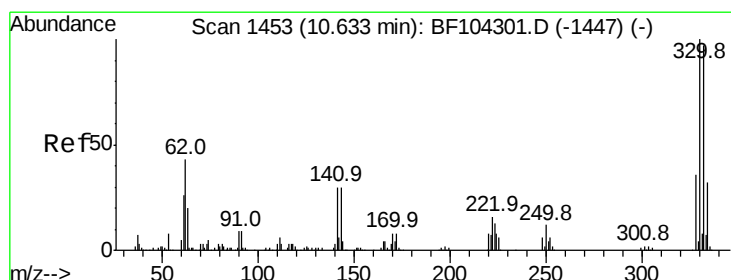
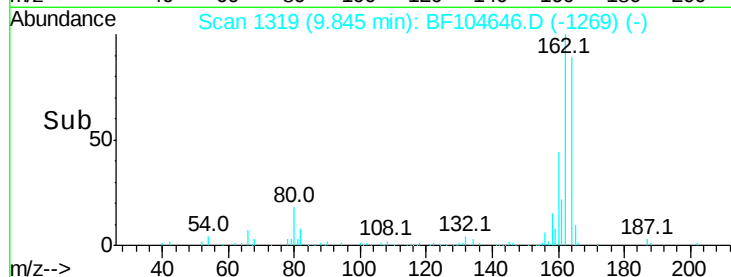
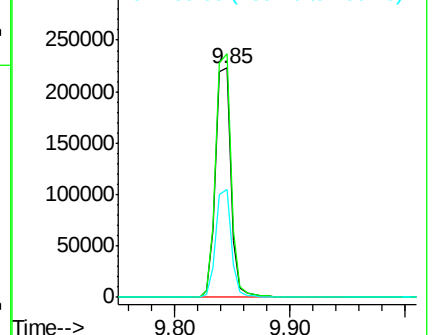
164 100

162 106.3 86.1 129.1

160 46.9 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: 90.036 ng

RT: 10.63 min Scan# 1453

Delta R.T. -0.01 min

Lab File: BF104646.D

Acq: 19 Apr 2018 23:23

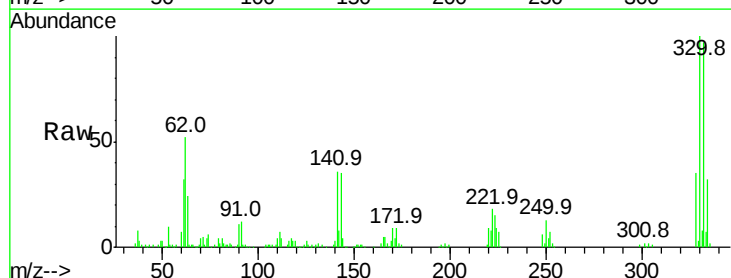
Tgt Ion:330 Resp: 195106

Ion Ratio Lower Upper

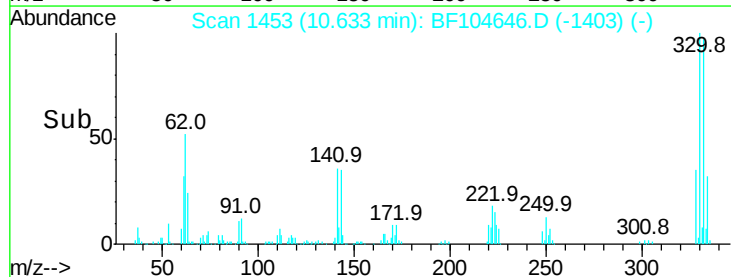
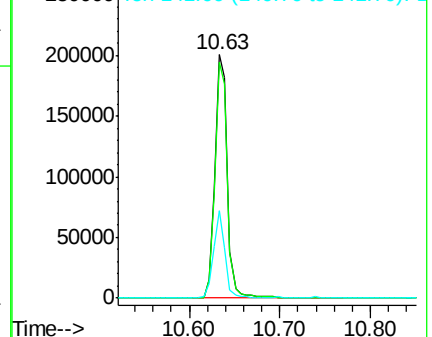
330 100

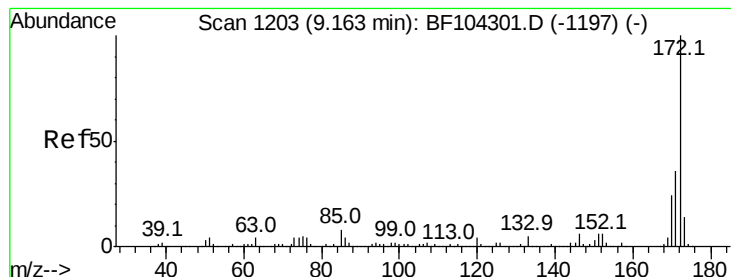
332 96.3 77.0 115.6

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: 62.959 ng

RT: 9.16 min Scan# 1203

Delta R.T. -0.01 min

Lab File: BF104646.D

Acq: 19 Apr 2018 23:23

Instrument :

BNA_F

ClientSampleId :

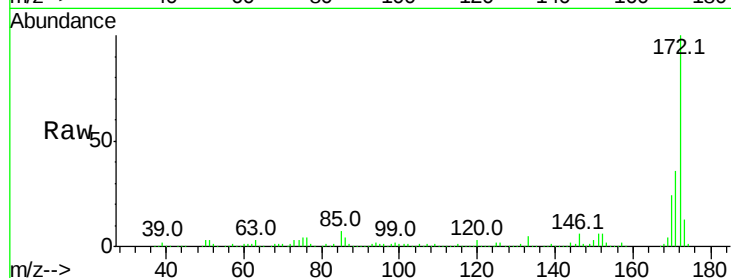
Tot Ion:172 Resp: 832547

Ion Ratio Lower Upper

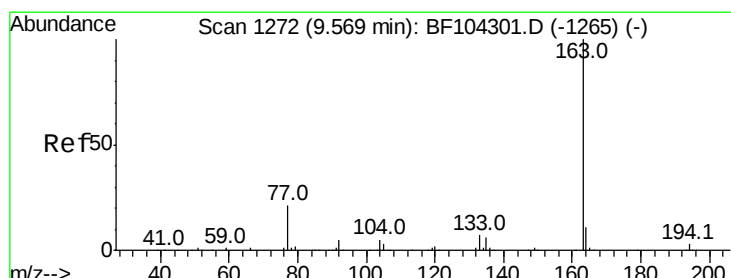
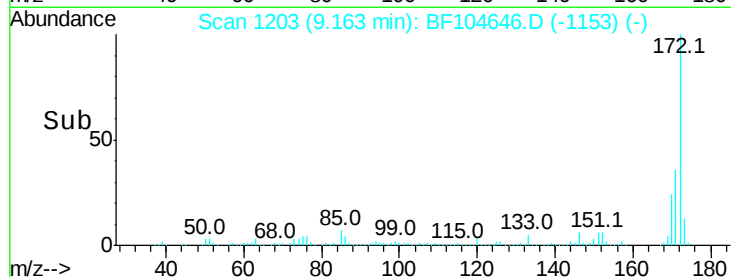
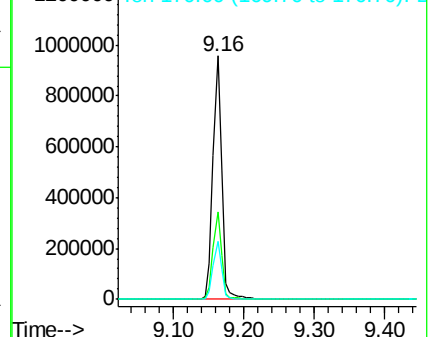
172 100

171 35.7 29.7 44.5

170 23.9 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: 10.560 ng

RT: 9.56 min Scan# 1270

Delta R.T. -0.02 min

Lab File: BF104646.D

Acq: 19 Apr 2018 23:23

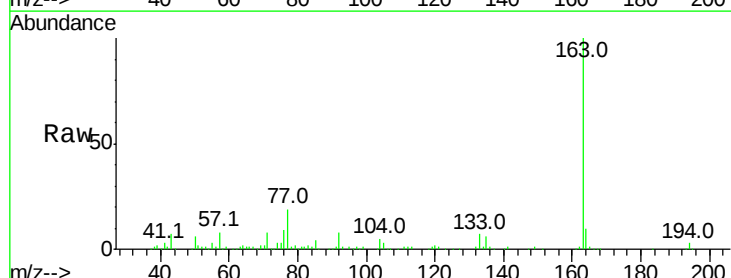
Tgt Ion:163 Resp: 173963

Ion Ratio Lower Upper

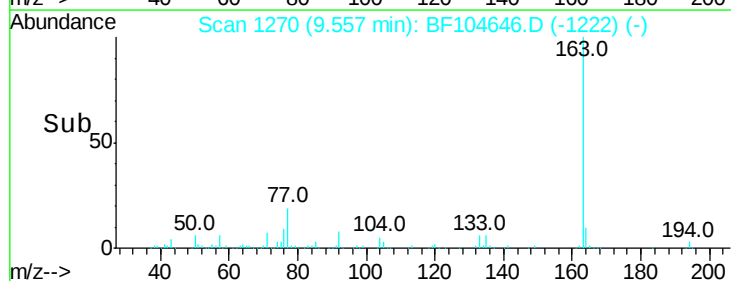
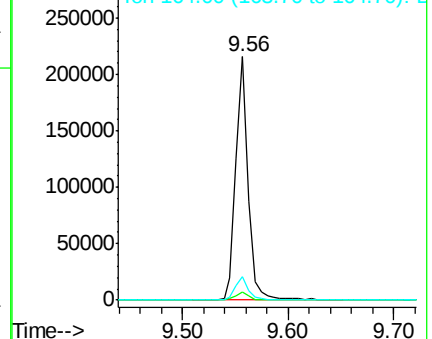
163 100

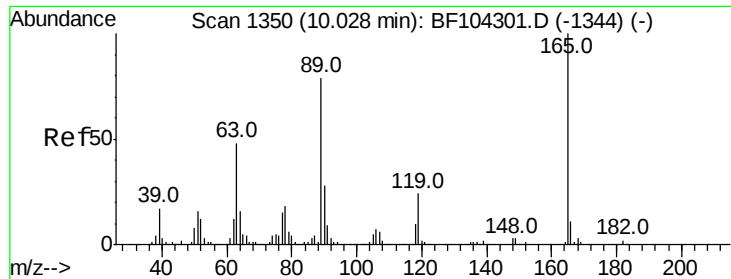
194 3.5 2.7 4.1

164 9.8 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

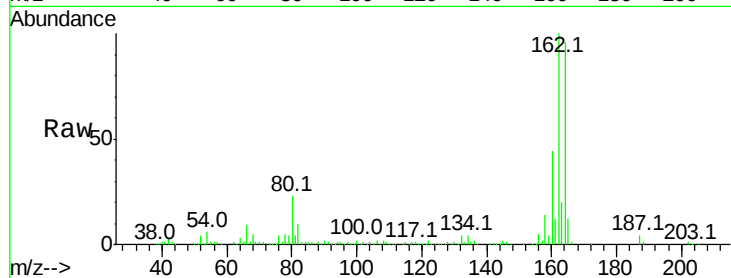




#56
 2,4-Dinitrotoluene
 Concen: 6.742 ng
 RT: 9.84 min Scan# 1318
 Delta R.T. -0.21 min
 Lab File: BF104646.D
 Acq: 19 Apr 2018 23:23

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.8	36.4	54.6#
89	1.5	57.8	86.6#
182	0.0	1.6	2.4#

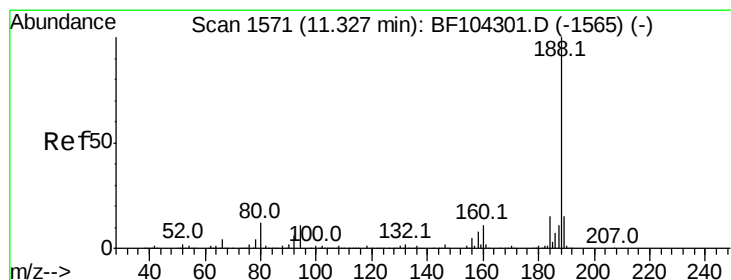
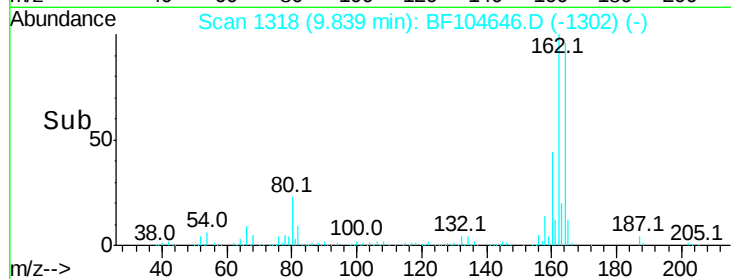
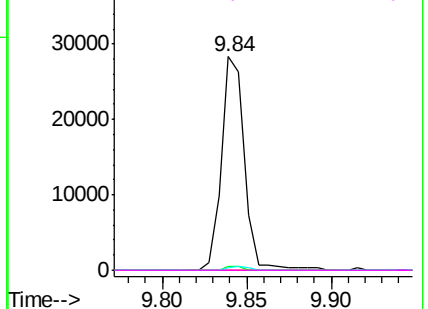


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

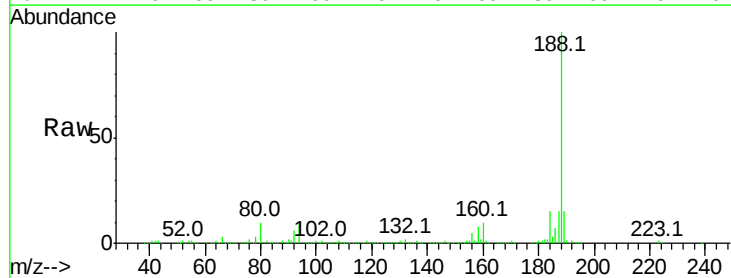
Ion 89.00 (88.70 to 89.70): BF1

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. -0.00 min
 Lab File: BF104646.D
 Acq: 19 Apr 2018 23:23

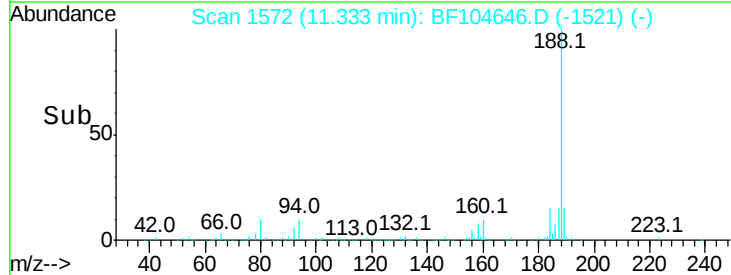
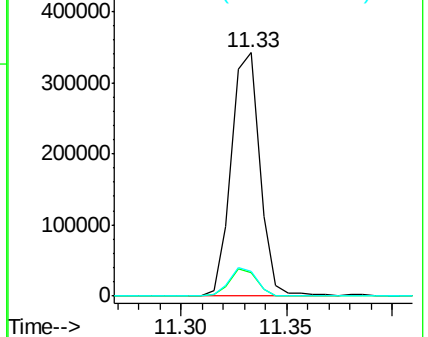
Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.7	8.5	12.7
80	10.0	9.2	13.8



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1





#64

4,6-Dinitro-2-methylphenol

Concen: 7.501 ng

RT: 10.63 min Scan# 1453

Delta R.T. 0.18 min

Lab File: BF104646.D

Acq: 19 Apr 2018 23:23

Instrument :

BNA_F

ClientSampled :

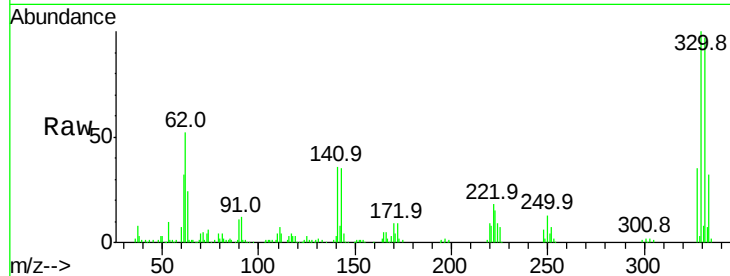
Tot Ion:198 Resp: 283

Ion Ratio Lower Upper

198 100

51 229.6 37.7 77.7#

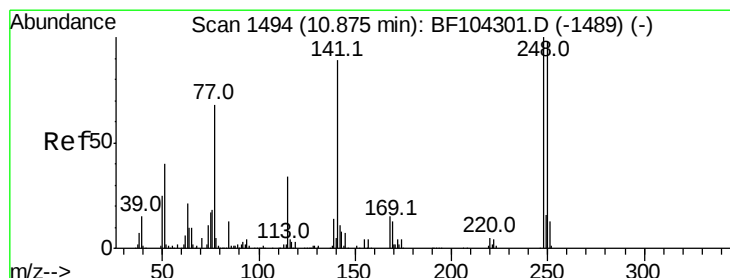
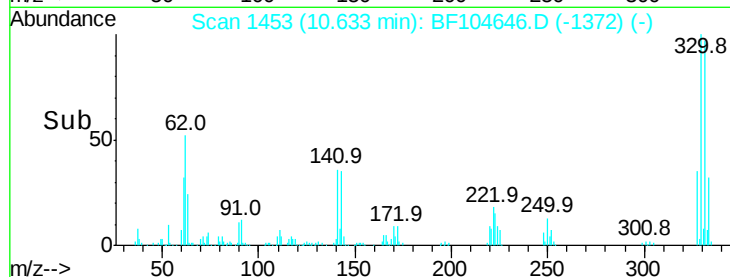
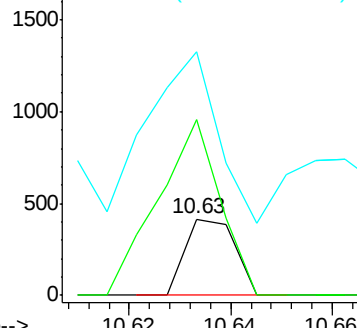
105 318.8 36.3 76.3#



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: 3.457 ng

RT: 10.63 min Scan# 1453

Delta R.T. -0.25 min

Lab File: BF104646.D

Acq: 19 Apr 2018 23:23

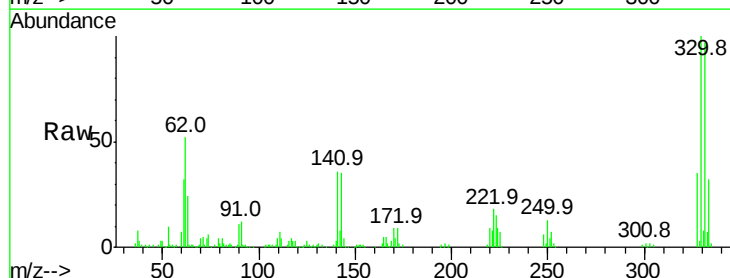
Tgt Ion:248 Resp: 11783

Ion Ratio Lower Upper

248 100

250 199.4 76.9 115.3#

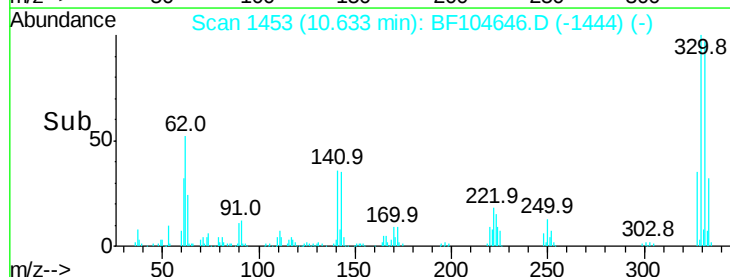
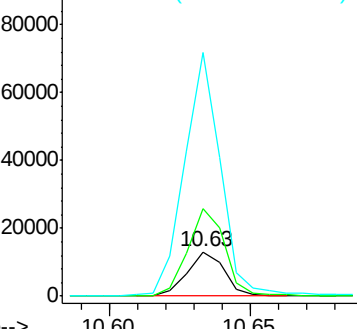
141 553.2 74.4 111.6#

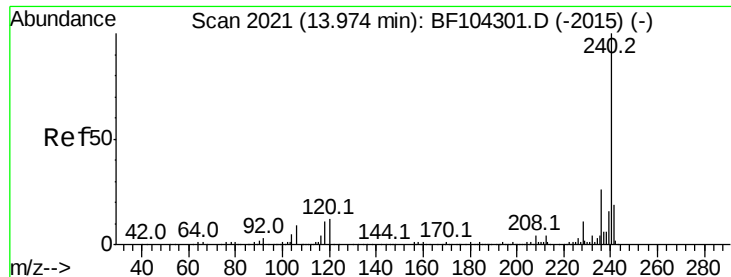


Abundance Ion 248.00 (247.70 to 248.70): E

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: BF104646.D

Acq: 19 Apr 2018 23:23

Instrument :

BNA_F

ClientSampleId :

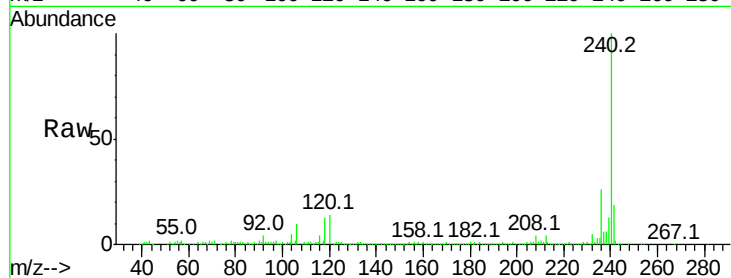
Tot Ion:240 Resp: 284960

Ion Ratio Lower Upper

240 100

120 14.3 9.5 14.3#

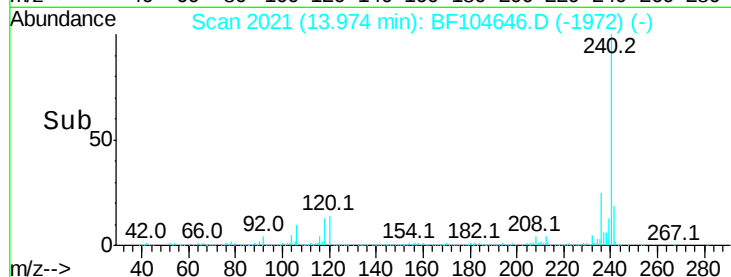
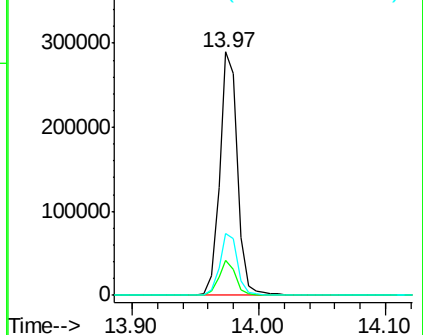
236 25.6 20.7 31.1



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: 45.323 ng

RT: 12.92 min Scan# 1841

Delta R.T. -0.01 min

Lab File: BF104646.D

Acq: 19 Apr 2018 23:23

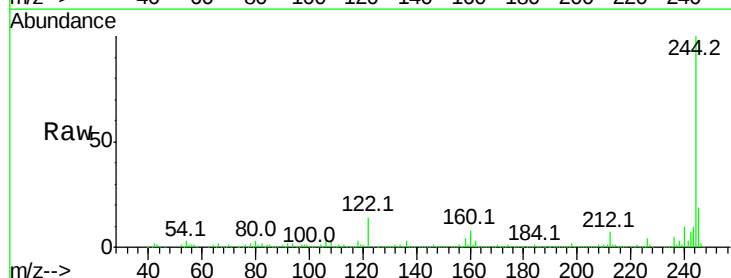
Tgt Ion:244 Resp: 566500

Ion Ratio Lower Upper

244 100

212 6.9 5.4 8.0

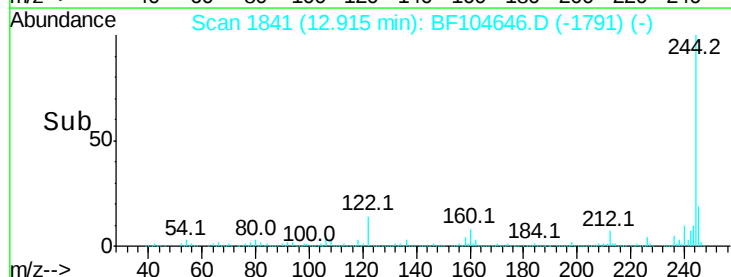
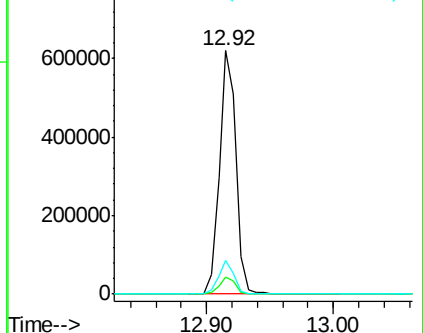
122 13.7 11.0 16.4

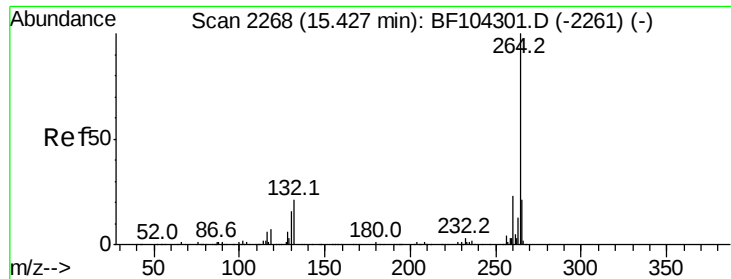


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

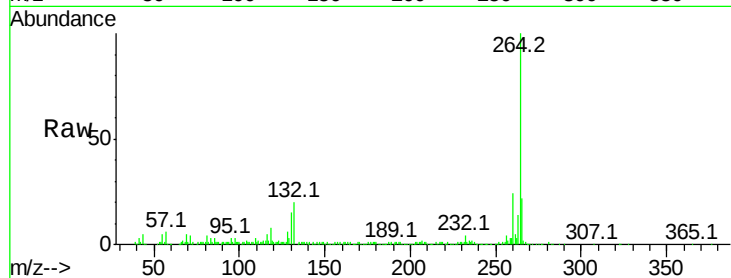




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.44 min Scan# 2271
Delta R.T. -0.00 min
Lab File: BF104646.D
Acq: 19 Apr 2018 23:23

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.2	28.8
265	22.5	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

