

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041918\
 Data File : BF104645.D
 Acq On : 19 Apr 2018 22:57
 Operator : JU/SJ
 Sample : J2457-05
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 20 00:59:01 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	134433	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	538799	20.00	ng	0.00
38) Acenaphthene-d10	9.84	164	225285	20.00	ng	-0.01
63) Phenanthrene-d10	11.33	188	350390	20.00	ng	0.00
75) Chrysene-d12	13.97	240	299642	20.00	ng	-0.01
86) Perylene-d12	15.44	264	234673	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.42	112	697844	79.37	ng	0.00
7) Phenol-d6	6.45	99	871387	80.67	ng	0.00
23) Nitrobenzene-d5	7.37	82	526185	63.77	ng	-0.01
41) 2,4,6-Tribromophenol	10.63	330	188753	80.77	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	848937	59.53	ng	0.00
78) Terphenyl-d14	12.92	244	626195	47.64	ng	0.00

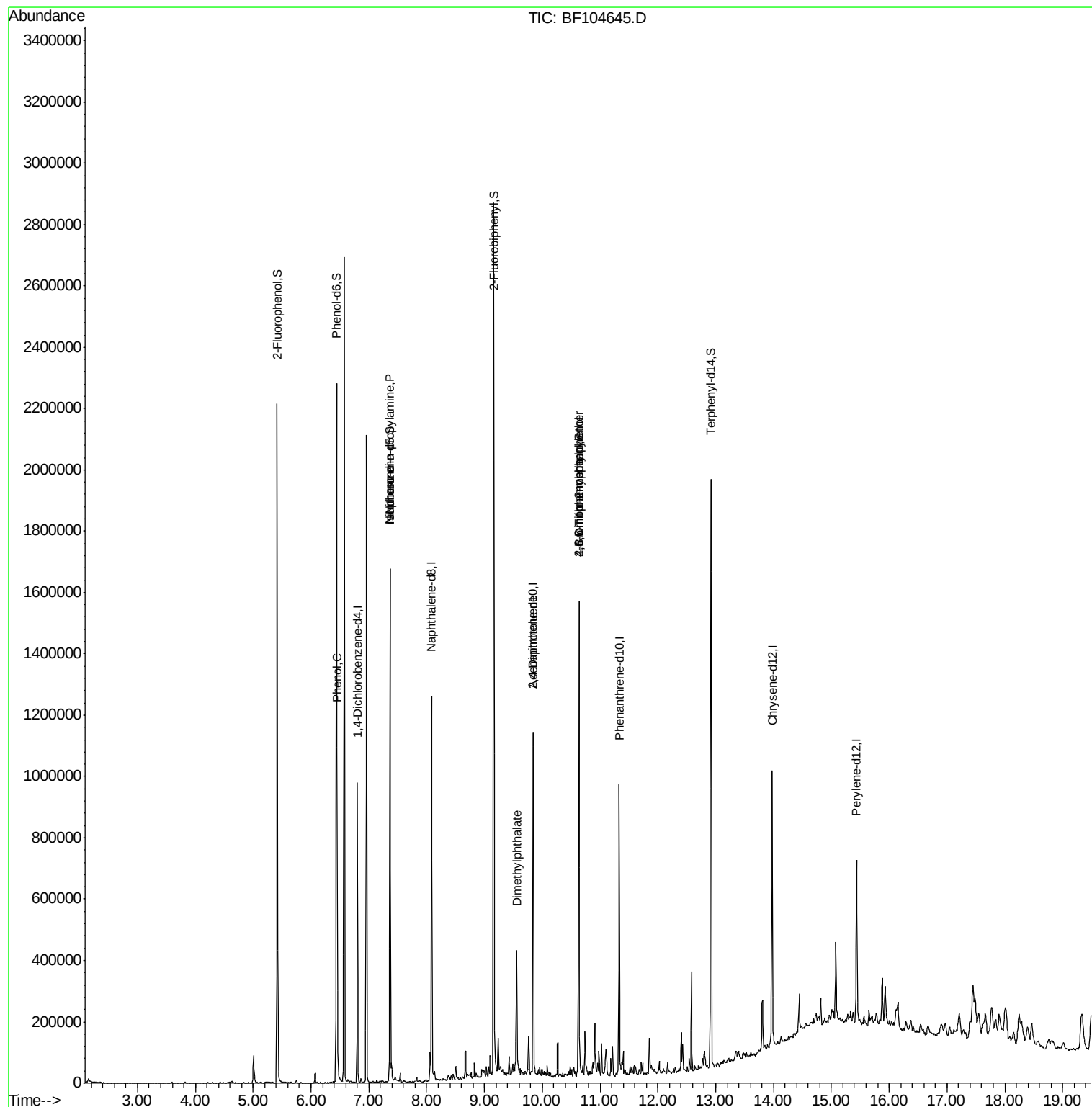
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.36	77	549	Below Cal		90
10) Phenol	6.46	94	44823	3.911 ng		96
19) n-Nitroso-di-n-propylamine	7.37	70	70278	9.956 ng	#	72
25) Isophorone	7.37	82	526180	30.156 ng	#	64
49) Dimethylphthalate	9.56	163	134941	7.596 ng		98
56) 2,4-Dinitrotoluene	9.84	165	29371	6.811 ng	#	24
64) 4,6-Dinitro-2-methylphenol	10.63	198	255	7.474 ng	#	1
66) 4-Bromophenyl-phenylether	10.63	248	11061	2.968 ng	#	1
76) Benzidine	12.92	184	8514	Below Cal		94

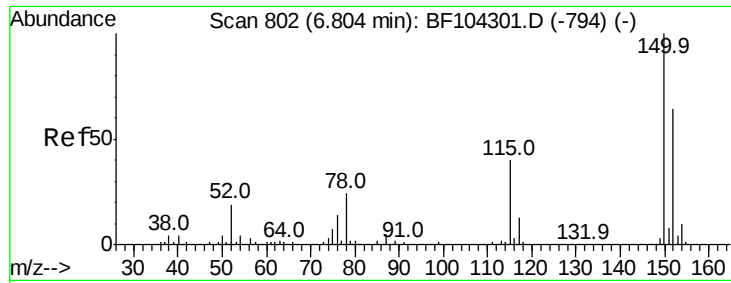
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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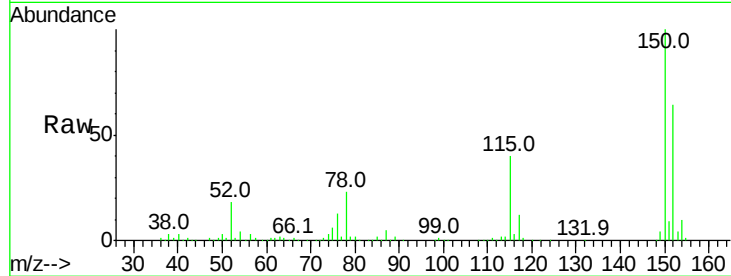


#1

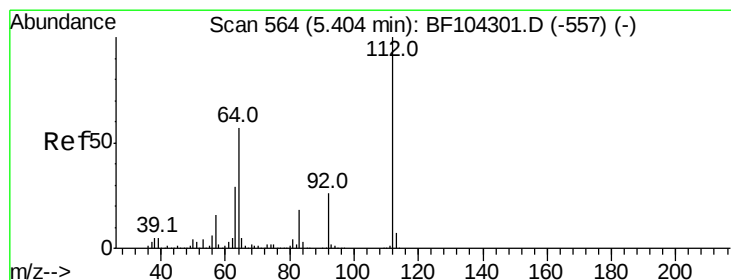
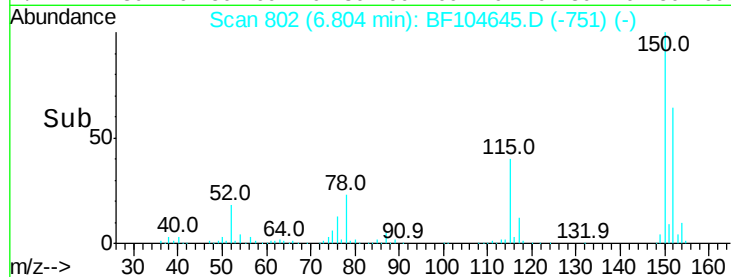
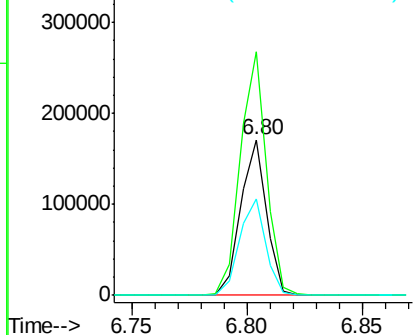
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 802
Delta R.T. 0.00 min
Lab File: BF104645.D
Acq: 19 Apr 2018 22:57

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 134433
Ion Ratio Lower Upper
152 100
150 156.2 124.6 186.8
115 62.0 50.1 75.1



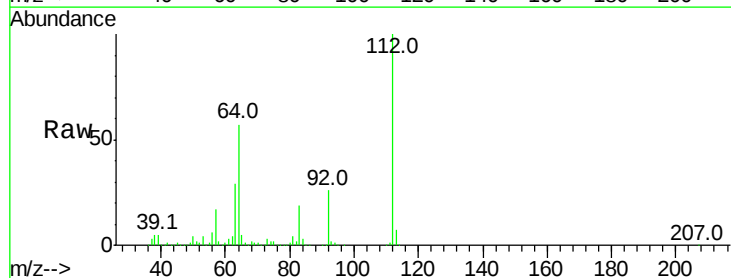
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



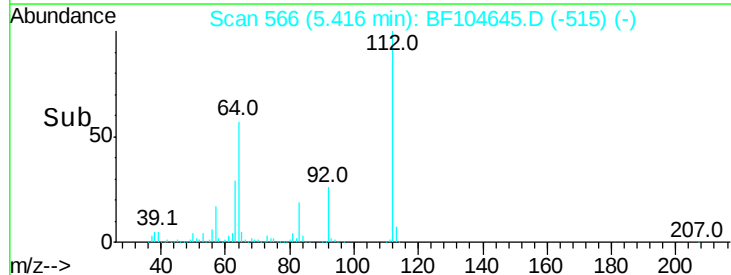
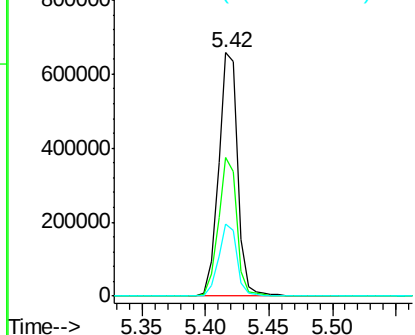
#5

2-Fluorophenol
Concen: 79.374 ng
RT: 5.42 min Scan# 566
Delta R.T. 0.00 min
Lab File: BF104645.D
Acq: 19 Apr 2018 22:57

Tgt Ion:112 Resp: 697844
Ion Ratio Lower Upper
112 100
64 57.2 47.9 71.9
63 29.5 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: 80.666 ng

RT: 6.45 min Scan# 741

Delta R.T. 0.00 min

Lab File: BF104645.D

Acq: 19 Apr 2018 22:57

Instrument :

BNA_F

ClientSampled :

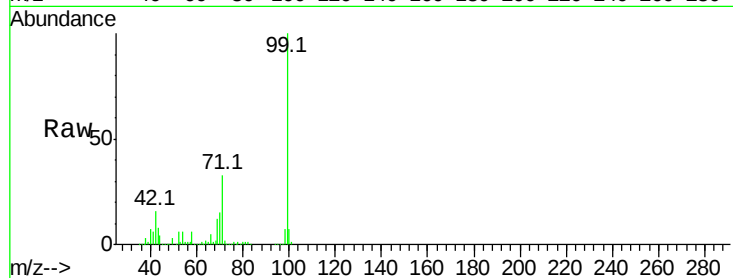
Tot Ion: 99 Resp: 871387

Ion Ratio Lower Upper

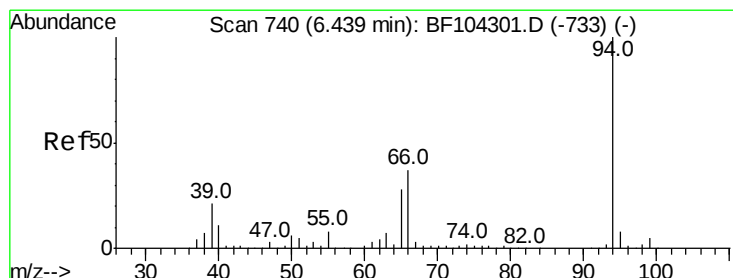
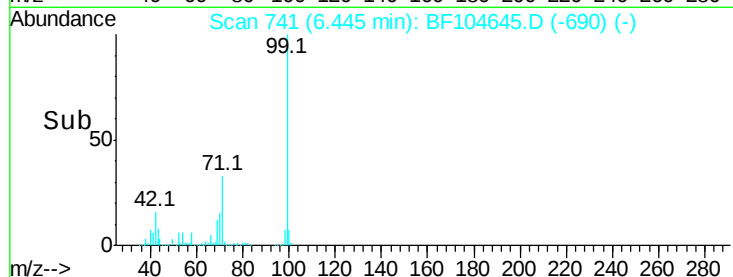
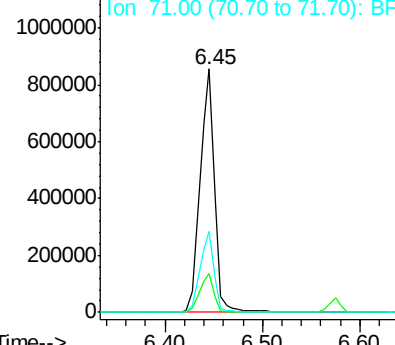
99 100

42 15.8 14.5 21.7

71 33.3 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: 3.911 ng

RT: 6.46 min Scan# 743

Delta R.T. -0.01 min

Lab File: BF104645.D

Acq: 19 Apr 2018 22:57

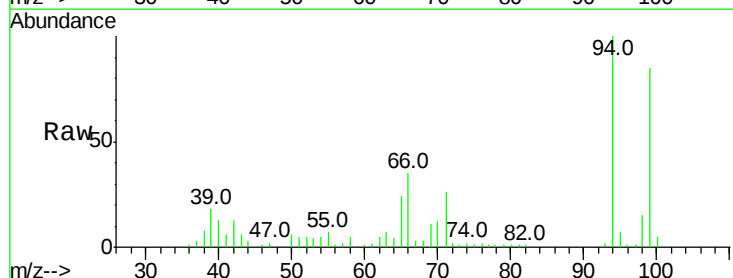
Tgt Ion: 94 Resp: 44823

Ion Ratio Lower Upper

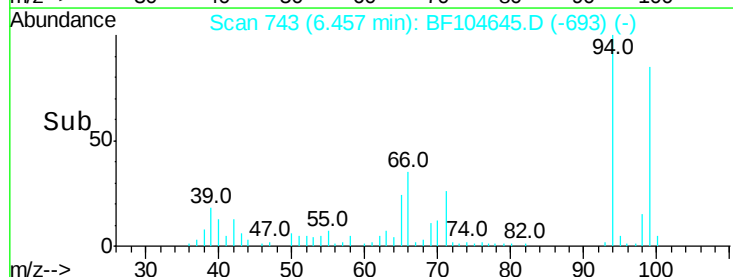
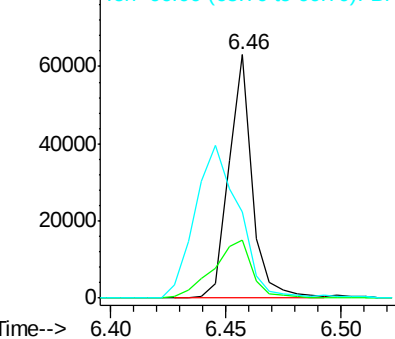
94 100

65 23.6 7.9 47.9

66 35.5 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

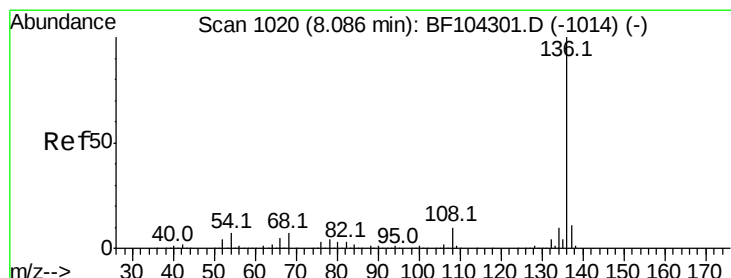
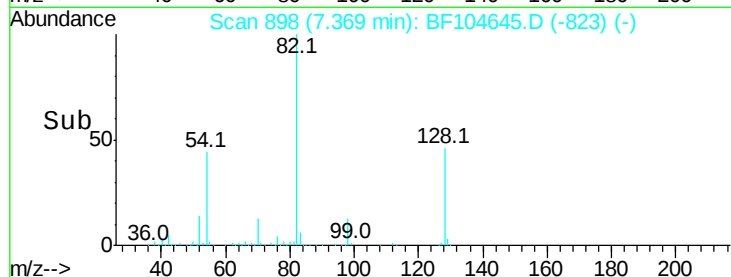
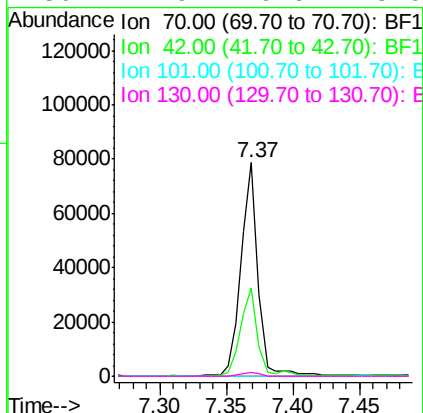
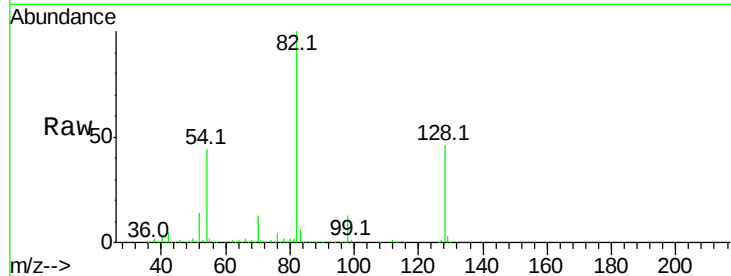




#19
n-Nitroso-di-n-propylamine
Concen: 9.956 ng
RT: 7.37 min Scan# 898
Delta R.T. 0.14 min
Lab File: BF104645.D
Acq: 19 Apr 2018 22:57

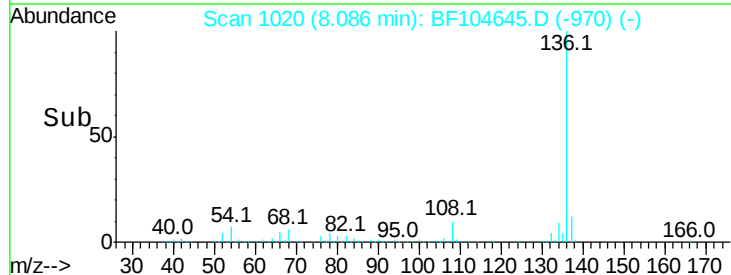
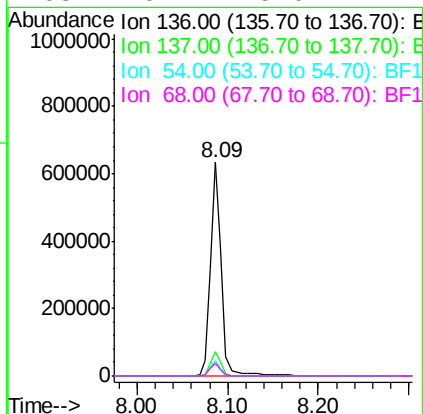
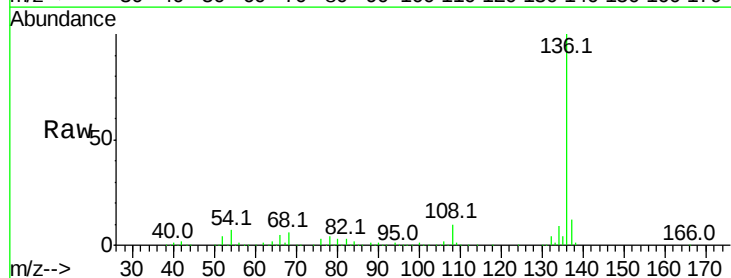
Instrument :
BNA_F
ClientSampleId :

Tot Ion: 70 Resp: 70278
Ion Ratio Lower Upper
70 100
42 41.7 47.5 71.3#
101 0.0 7.4 11.2#
130 1.9 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: BF104645.D
Acq: 19 Apr 2018 22:57

Tgt Ion:136 Resp: 538799
Ion Ratio Lower Upper
136 100
137 11.6 8.9 13.3
54 7.0 6.6 9.8
68 6.2 5.0 7.4

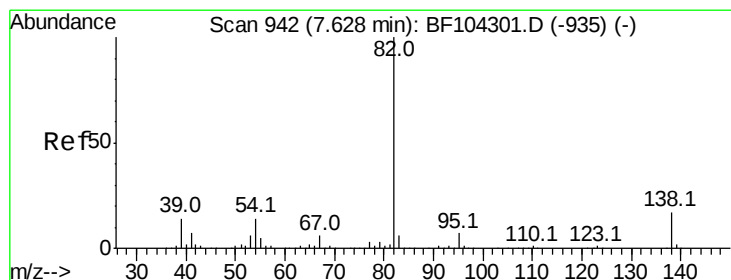
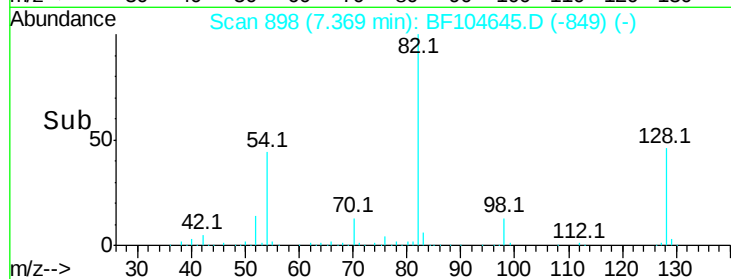
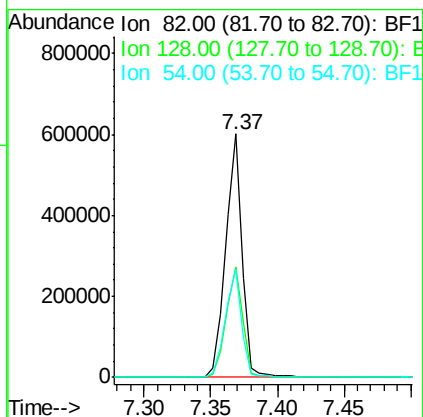
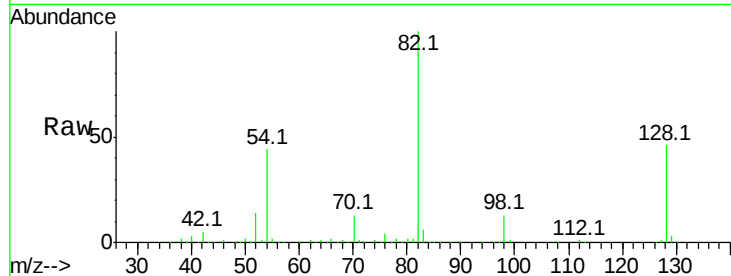




#23
 Nitrobenzene-d5
 Concen: 63.769 ng
 RT: 7.37 min Scan# 898
 Delta R.T. -0.01 min
 Lab File: BF104645.D
 Acq: 19 Apr 2018 22:57

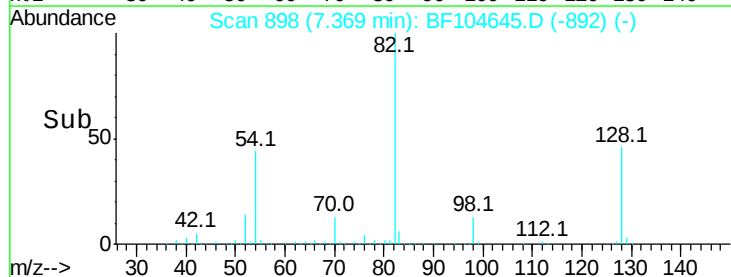
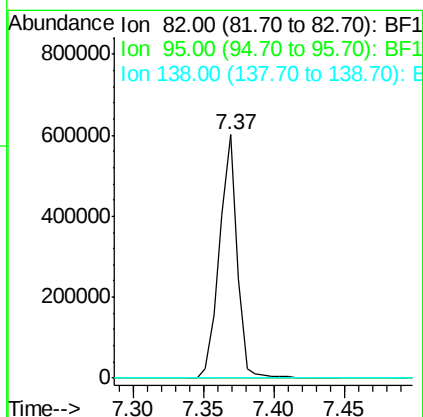
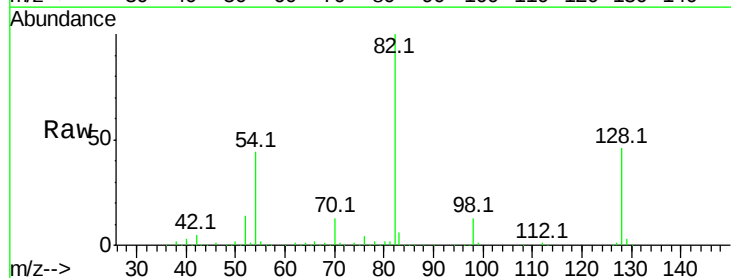
Instrument :
 BNA_F
 ClientSampleId :

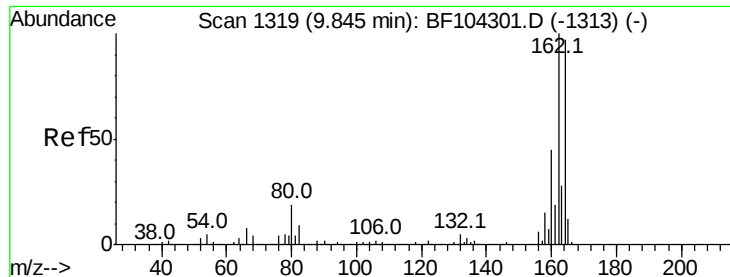
Tot Ion	82	Resp	526185
Ion Ratio	100	Lower	Upper
128	45.6	36.1	54.1
54	44.3	41.4	62.2



#25
 Isophorone
 Concen: 30.156 ng
 RT: 7.37 min Scan# 898
 Delta R.T. -0.26 min
 Lab File: BF104645.D
 Acq: 19 Apr 2018 22:57

Tgt Ion	82	Resp	526180
Ion Ratio	100	Lower	Upper
95	0.0	5.2	7.8#
138	0.0	14.9	22.3#





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.84 min Scan# 1318

Delta R.T. -0.01 min

Lab File: BF104645.D

Acq: 19 Apr 2018 22:57

Instrument :

BNA_F

ClientSampleId :

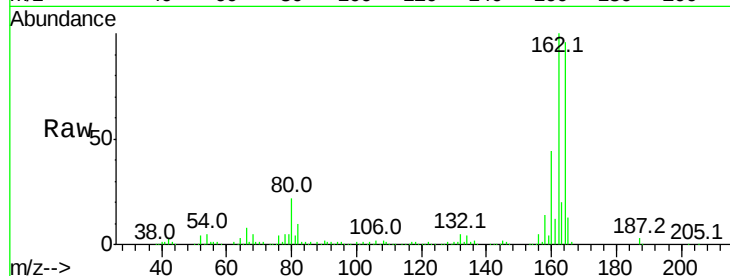
Tot Ion:164 Resp: 225285

Ion Ratio Lower Upper

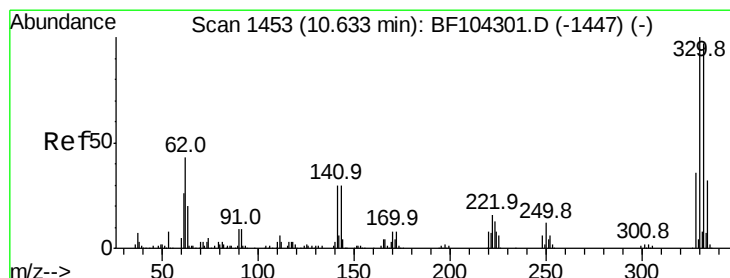
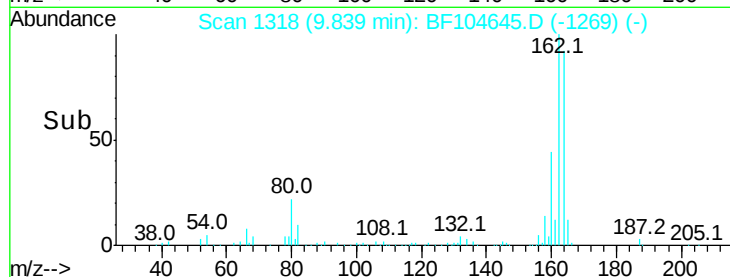
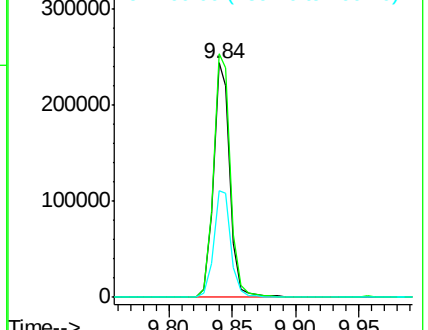
164 100

162 104.0 86.1 129.1

160 45.4 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: 80.769 ng

RT: 10.63 min Scan# 1453

Delta R.T. -0.01 min

Lab File: BF104645.D

Acq: 19 Apr 2018 22:57

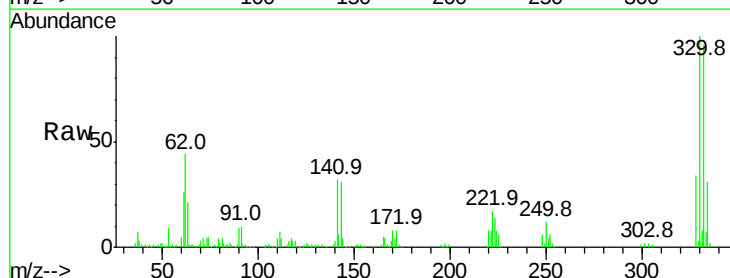
Tgt Ion:330 Resp: 188753

Ion Ratio Lower Upper

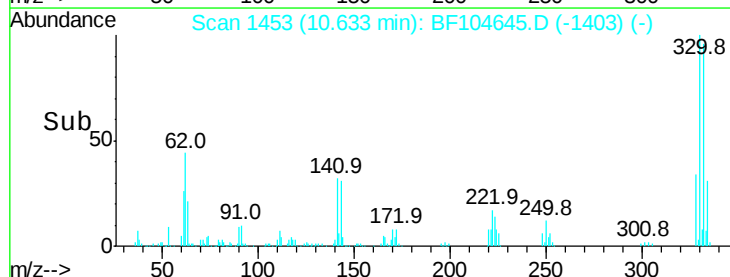
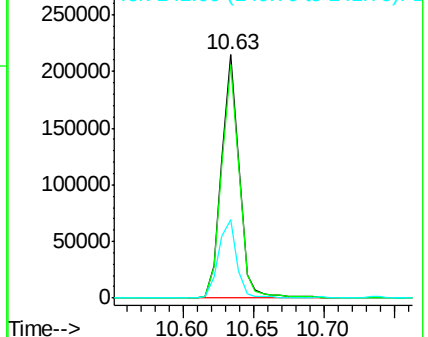
330 100

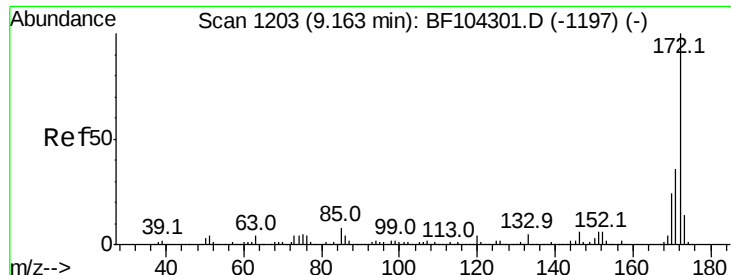
332 96.3 77.0 115.6

141 33.4 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

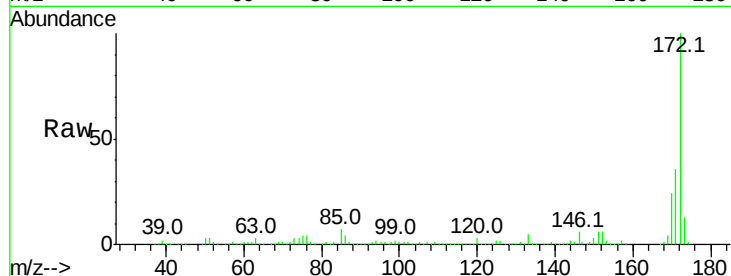




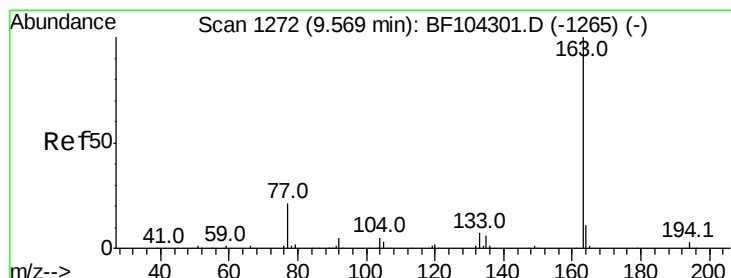
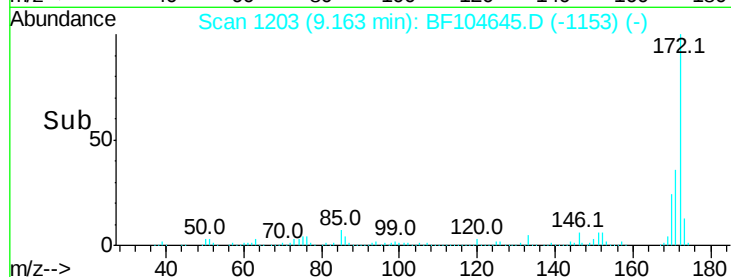
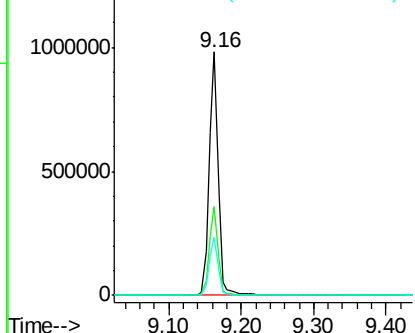
#44
2-Fluorobiphenyl
Concen: 59.529 ng
RT: 9.16 min Scan# 1203
Delta R.T. -0.01 min
Lab File: BF104645.D
Acq: 19 Apr 2018 22:57

Instrument :
BNA_F
ClientSampled :

Tot Ion:172 Resp: 848937
Ion Ratio Lower Upper
172 100
171 36.5 29.7 44.5
170 23.8 19.6 29.4

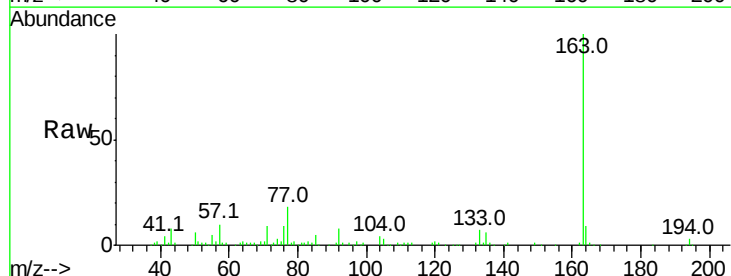


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

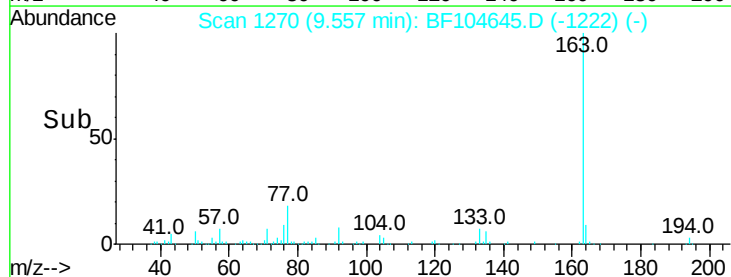
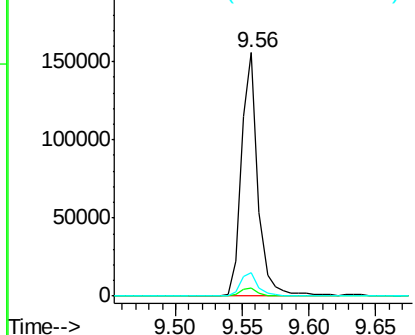


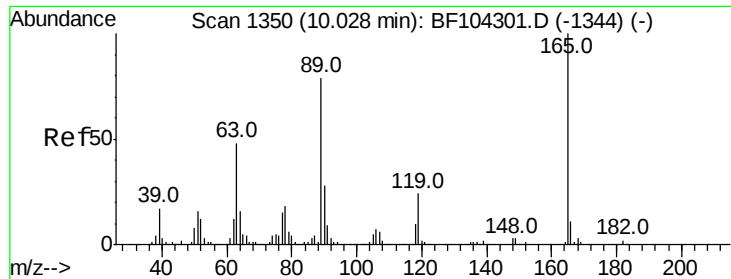
#49
Dimethylphthalate
Concen: 7.596 ng
RT: 9.56 min Scan# 1270
Delta R.T. -0.02 min
Lab File: BF104645.D
Acq: 19 Apr 2018 22:57

Tgt Ion:163 Resp: 134941
Ion Ratio Lower Upper
163 100
194 3.4 2.7 4.1
164 9.4 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

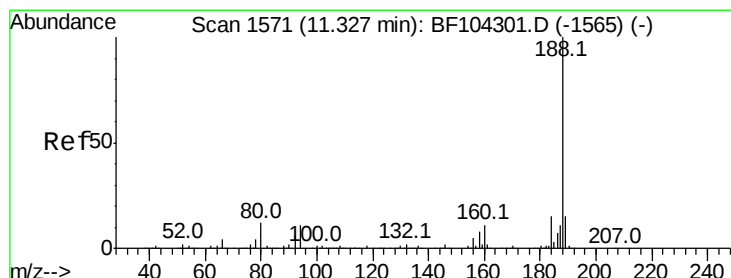
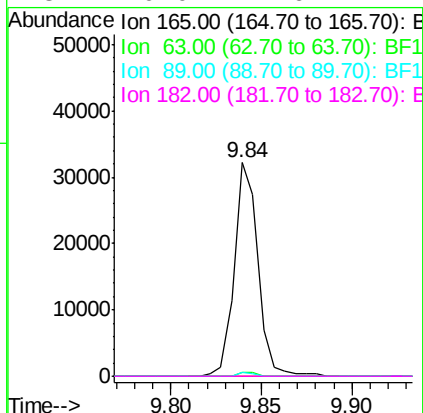
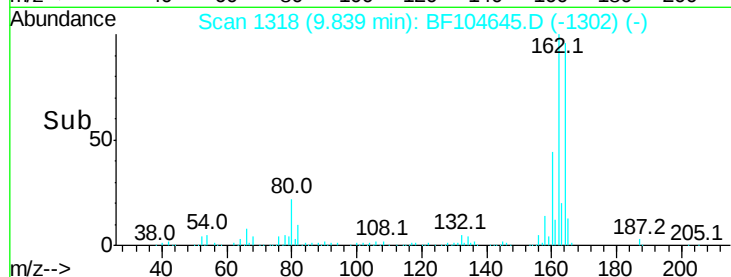
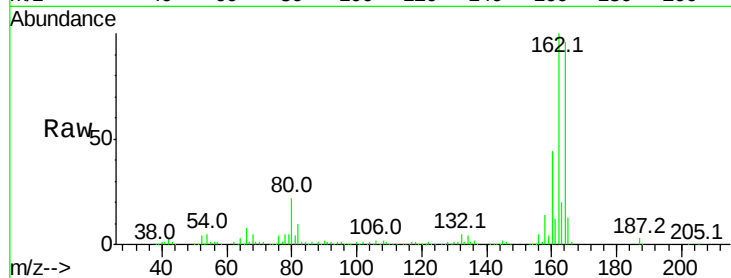




#56
 2,4-Dinitrotoluene
 Concen: 6.811 ng
 RT: 9.84 min Scan# 1318
 Delta R.T. -0.21 min
 Lab File: BF104645.D
 Acq: 19 Apr 2018 22:57

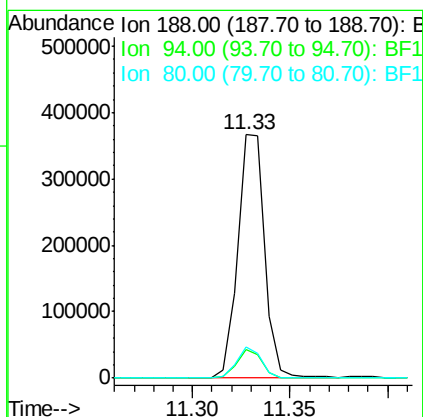
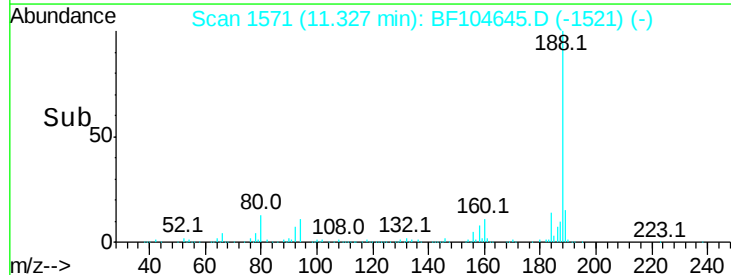
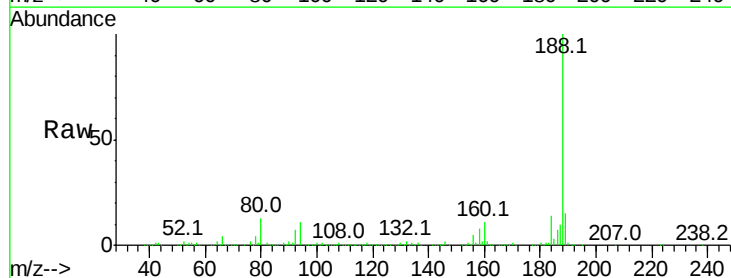
Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:165	Resp:	29371	
Ion Ratio	Lower	Upper	
165 100			
63 1.6	36.4	54.6#	
89 1.9	57.8	86.6#	
182 0.0	1.6	2.4#	



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.33 min Scan# 1571
 Delta R.T. -0.01 min
 Lab File: BF104645.D
 Acq: 19 Apr 2018 22:57

Tgt	Ion:188	Resp:	350390
Ion	Ratio	Lower	Upper
188	100		
94	11.5	8.5	12.7
80	12.6	9.2	13.8





#64

4,6-Dinitro-2-methylphenol

Concen: 7.474 ng

RT: 10.63 min Scan# 1453

Delta R.T. 0.18 min

Lab File: BF104645.D

Acq: 19 Apr 2018 22:57

Instrument :

BNA_F

ClientSampleId :

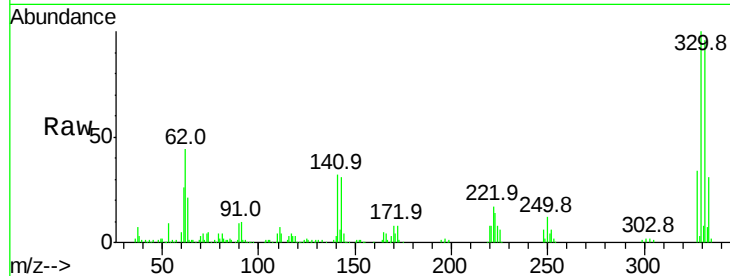
Tot Ion:198 Resp: 255

Ion Ratio Lower Upper

198 100

51 167.6 37.7 77.7#

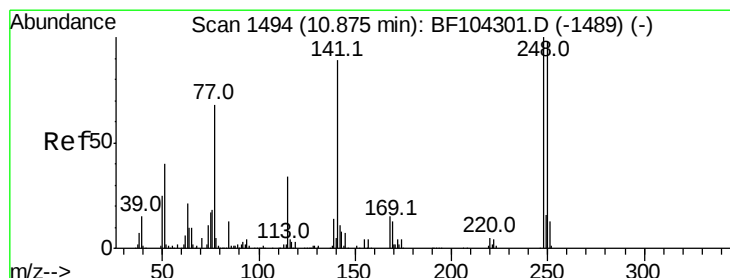
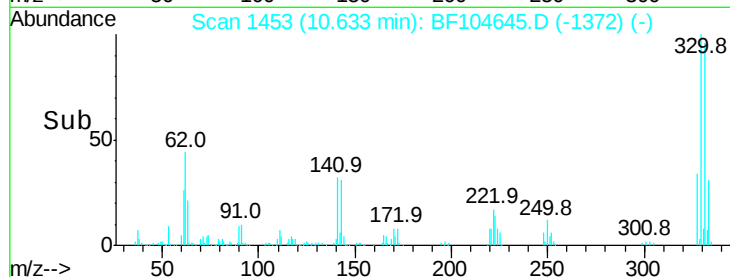
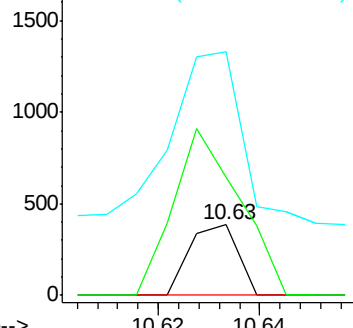
105 344.6 36.3 76.3#



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: 2.968 ng

RT: 10.63 min Scan# 1453

Delta R.T. -0.25 min

Lab File: BF104645.D

Acq: 19 Apr 2018 22:57

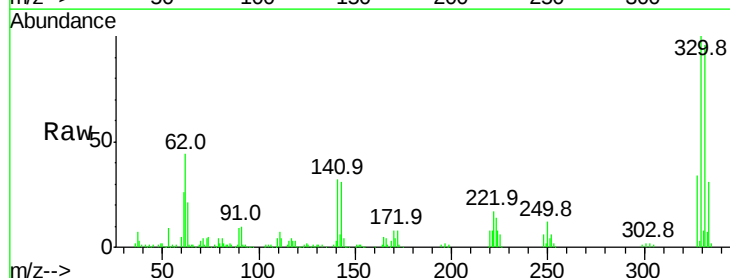
Tgt Ion:248 Resp: 11061

Ion Ratio Lower Upper

248 100

250 202.5 76.9 115.3#

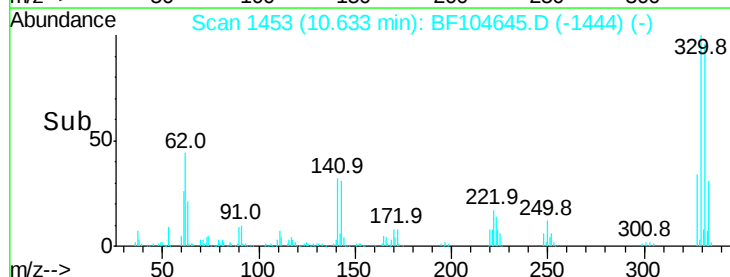
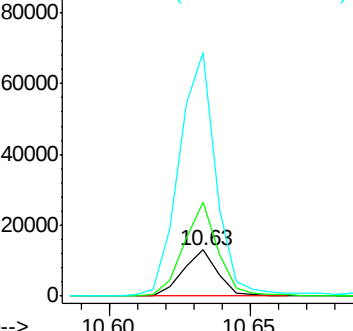
141 528.8 74.4 111.6#

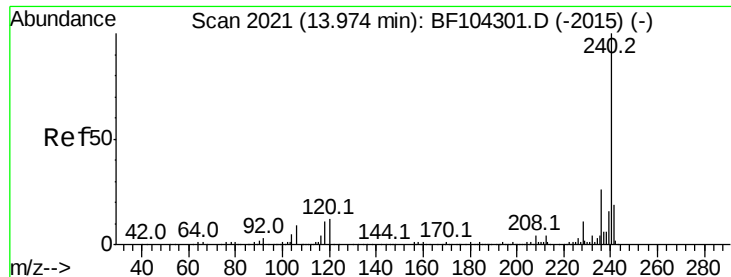


Abundance Ion 248.00 (247.70 to 248.70): E

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: BF104645.D

Acq: 19 Apr 2018 22:57

Instrument :

BNA_F

ClientSampleId :

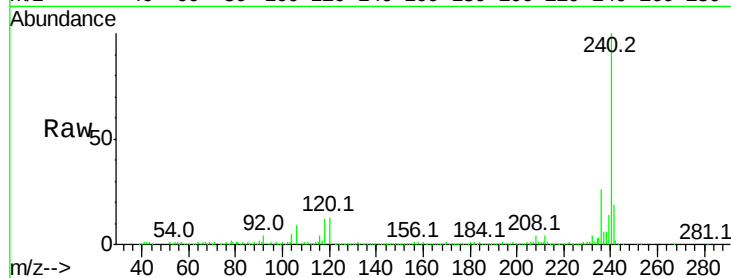
Tot Ion:240 Resp: 299642

Ion Ratio Lower Upper

240 100

120 13.4 9.5 14.3

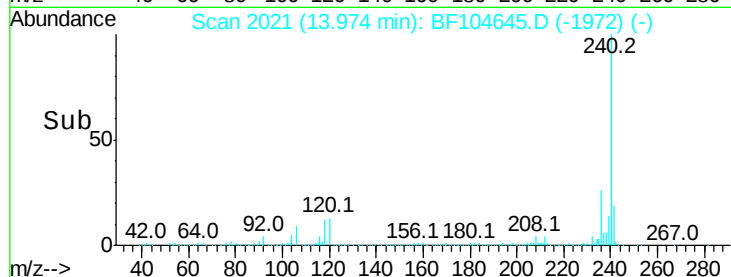
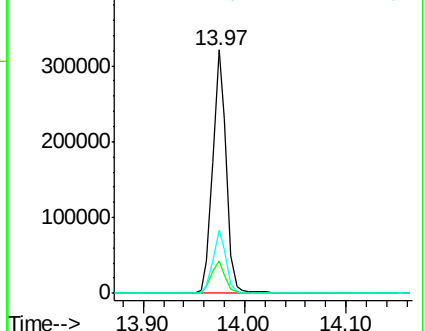
236 26.1 20.7 31.1



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: 47.644 ng

RT: 12.92 min Scan# 1841

Delta R.T. -0.01 min

Lab File: BF104645.D

Acq: 19 Apr 2018 22:57

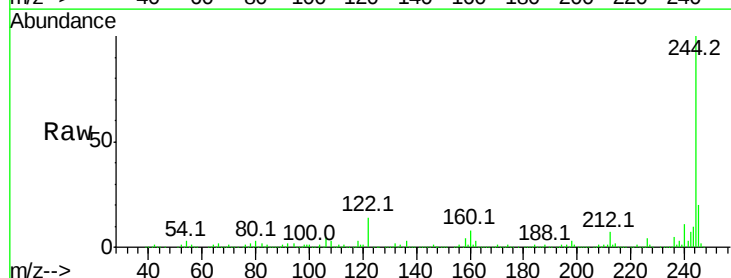
Tgt Ion:244 Resp: 626195

Ion Ratio Lower Upper

244 100

212 6.9 5.4 8.0

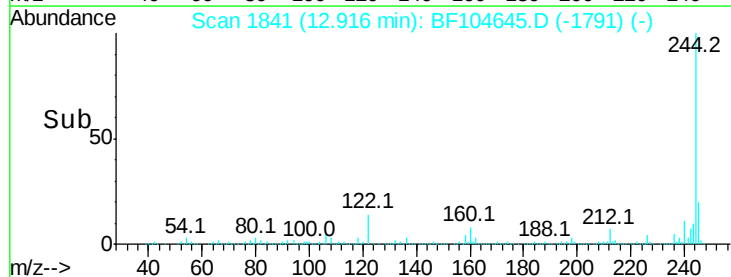
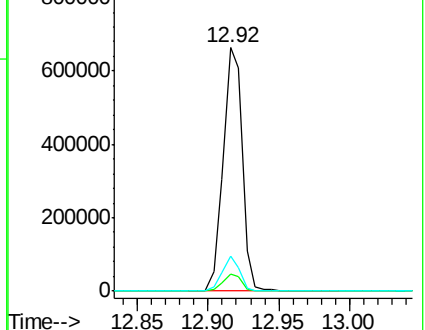
122 14.1 11.0 16.4

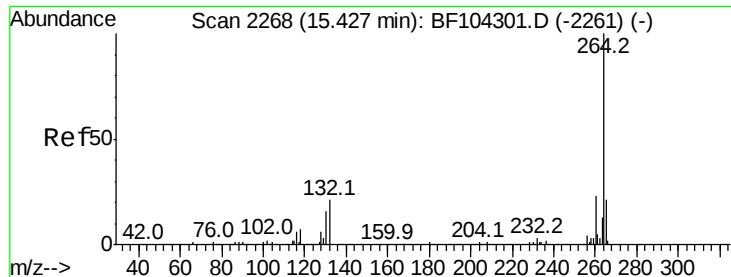


Abundance Ion 244.00 (243.70 to 244.70): E

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: BF104645.D
Acq: 19 Apr 2018 22:57

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.2	28.8
265	21.3	17.5	26.3

