

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042518\
 Data File : BF104825.D
 Acq On : 26 Apr 2018 8:47
 Operator : JU/SJ
 Sample : PB108477BL
 Misc :
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 26 10:38:20 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 25 14:01:50 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	125382	20.00	ng	0.00
21) Naphthalene-d8	8.08	136	507968	20.00	ng	0.00
38) Acenaphthene-d10	9.84	164	215384	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	326136	20.00	ng	0.00
75) Chrysene-d12	13.97	240	259523	20.00	ng	-0.01
86) Perylene-d12	15.44	264	197084	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.43	112	870166	106.12	ng	0.01
7) Phenol-d6	6.45	99	1058276	105.04	ng	0.00
23) Nitrobenzene-d5	7.37	82	660342	84.89	ng	0.00
41) 2,4,6-Tribromophenol	10.63	330	208638	93.38	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	1153466	84.60	ng	0.00
78) Terphenyl-d14	12.92	244	849914	74.66	ng	0.00

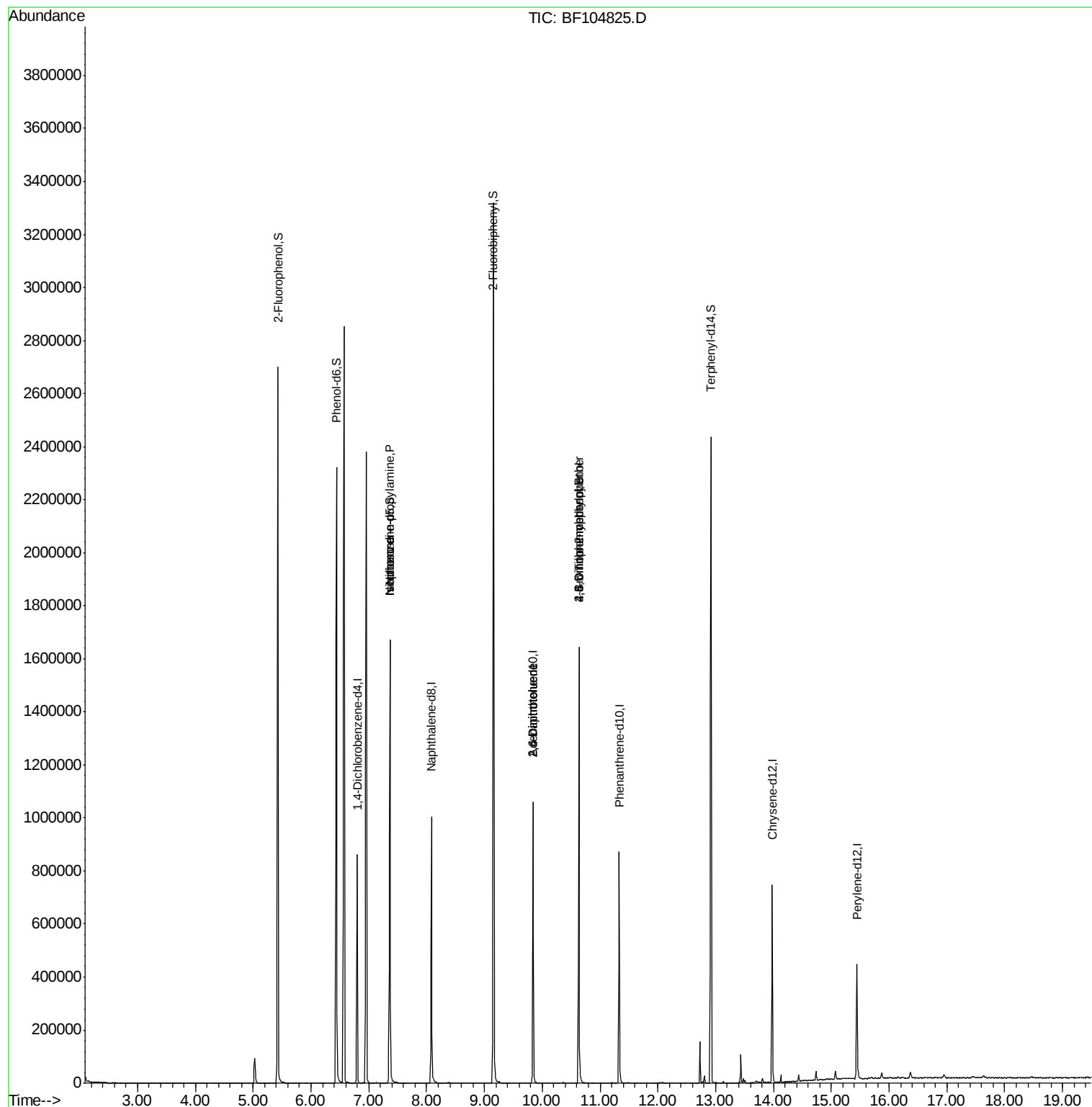
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.37	70	86462	13.133	ng	# 72
25) Isophorone	7.37	82	660338	40.142	ng	# 64
50) 2,6-Dinitrotoluene	9.84	165	27285	8.682	ng	# 26
56) 2,4-Dinitrotoluene	9.84	165	27285	6.619	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.63	198	325	7.520	ng	# 1
66) 4-Bromophenyl-phenylether	10.63	248	12577	3.625	ng	# 1
76) Benzidine	12.92	184	11271	Below Cal		# 94

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

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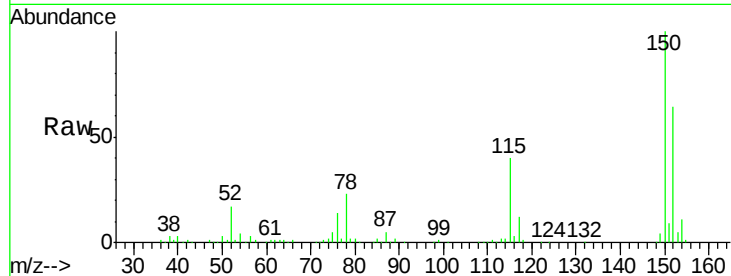


#1

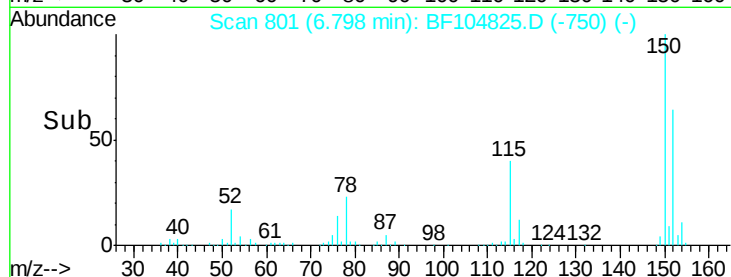
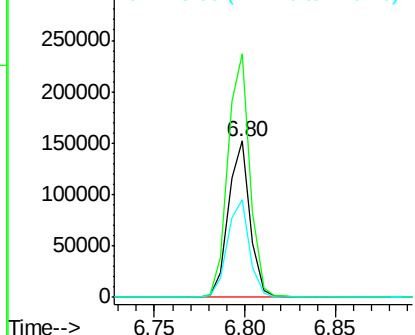
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 801
Delta R.T. 0.00 min
Lab File: BF104825.D
Acq: 26 Apr 2018 8:47

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 125382
Ion Ratio Lower Upper
152 100
150 155.9 124.6 186.8
115 62.1 50.1 75.1



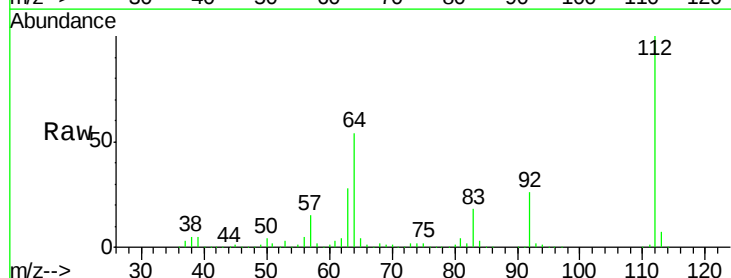
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



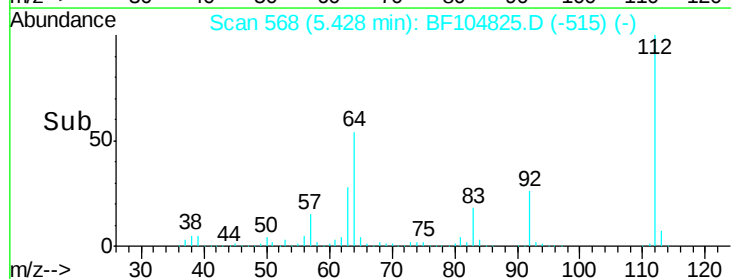
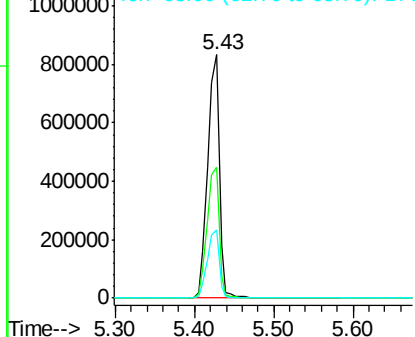
#5

2-Fluorophenol
Concen: 106.118 ng
RT: 5.43 min Scan# 568
Delta R.T. 0.01 min
Lab File: BF104825.D
Acq: 26 Apr 2018 8:47

Tgt Ion:112 Resp: 870166
Ion Ratio Lower Upper
112 100
64 53.7 47.9 71.9
63 28.2 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: 105.039 ng

RT: 6.45 min Scan# 741

Delta R.T. 0.00 min

Lab File: BF104825.D

Acq: 26 Apr 2018 8:47

Instrument :

BNA_F

ClientSampled :

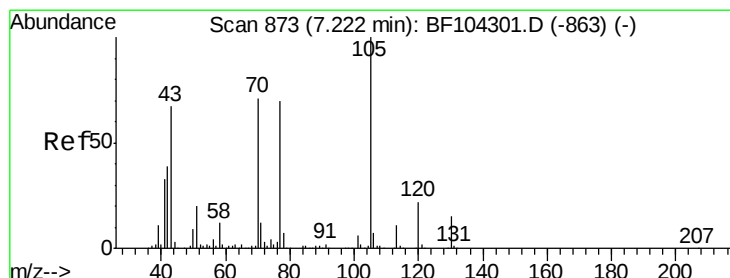
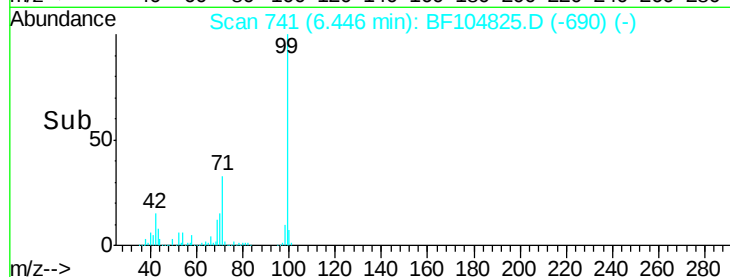
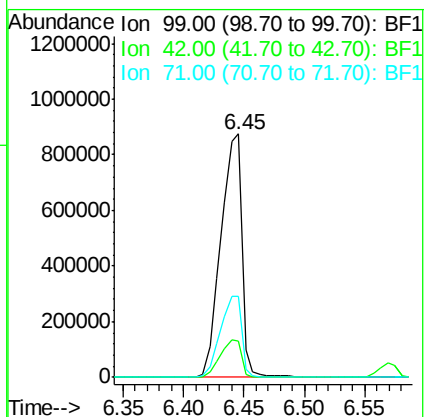
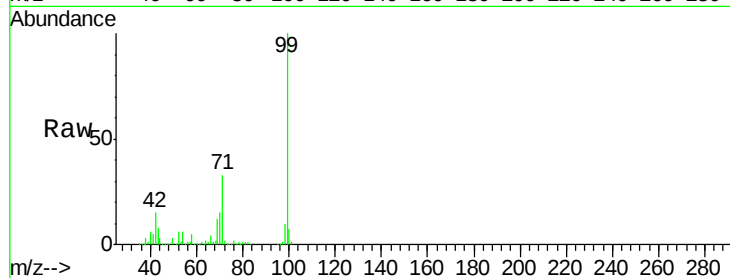
Tot Ion: 99 Resp: 1058276

Ion Ratio Lower Upper

99 100

42 14.8 14.5 21.7

71 33.3 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 13.133 ng

RT: 7.37 min Scan# 898

Delta R.T. 0.15 min

Lab File: BF104825.D

Acq: 26 Apr 2018 8:47

Tgt Ion: 70 Resp: 86462

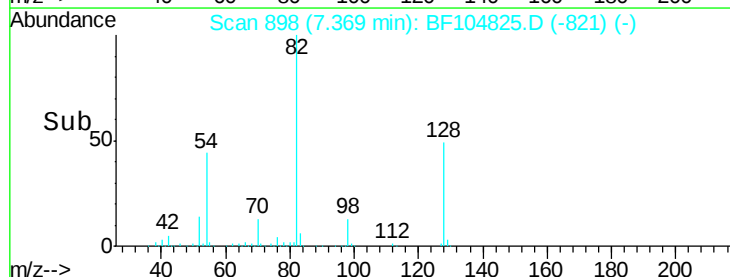
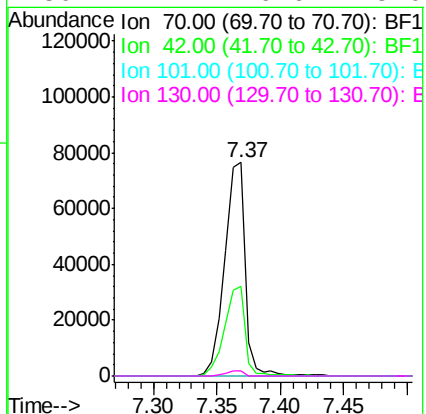
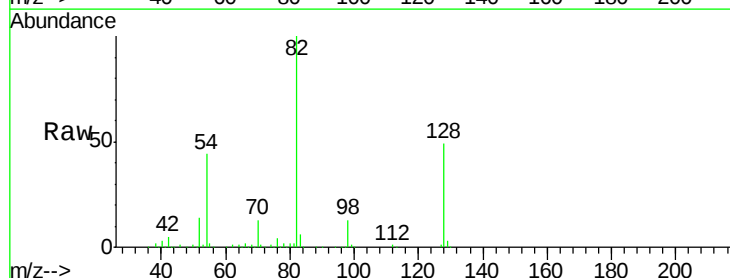
Ion Ratio Lower Upper

70 100

42 41.7 47.5 71.3#

101 0.0 7.4 11.2#

130 2.2 16.6 25.0#

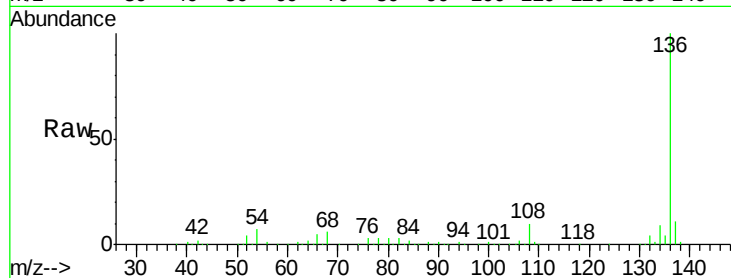




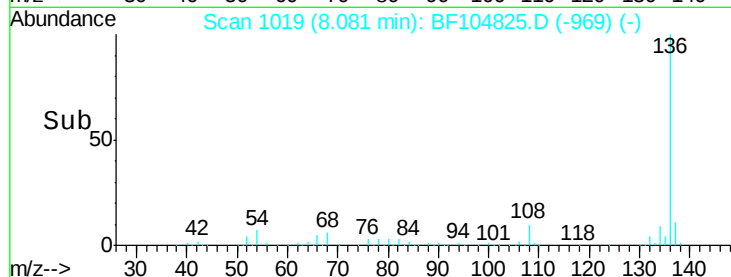
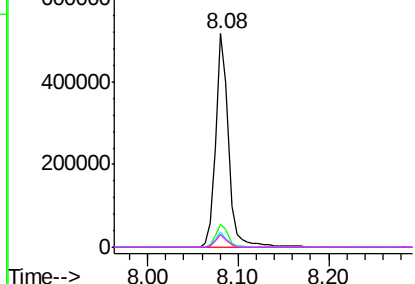
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.08 min Scan# 1019
Delta R.T. -0.01 min
Lab File: BF104825.D
Acq: 26 Apr 2018 8:47

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	507968
Ion Ratio	Lower	Upper
136	100	
137	11.1	8.9 13.3
54	7.0	6.6 9.8
68	5.9	5.0 7.4

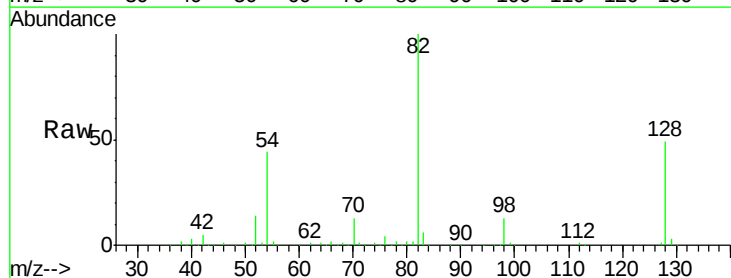


Abundance Ion 136.00 (135.70 to 136.70): E
800000
Ion 137.00 (136.70 to 137.70): E
600000
Ion 54.00 (53.70 to 54.70): BF1
400000
Ion 68.00 (67.70 to 68.70): BF1
200000
0

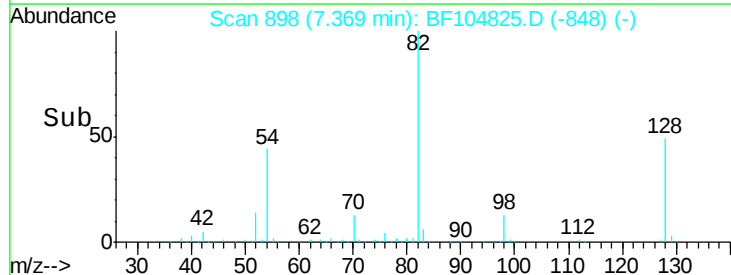
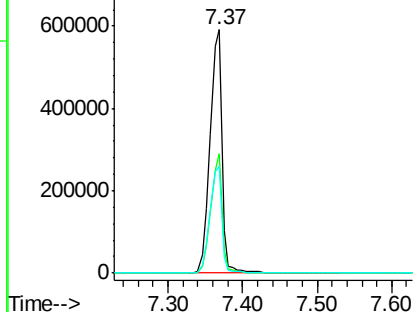


#23
Nitrobenzene-d5
Concen: 84.885 ng
RT: 7.37 min Scan# 898
Delta R.T. -0.01 min
Lab File: BF104825.D
Acq: 26 Apr 2018 8:47

Tgt Ion: 82	Resp:	660342
Ion Ratio	Lower	Upper
82	100	
128	49.2	36.1 54.1
54	43.8	41.4 62.2



Abundance Ion 82.00 (81.70 to 82.70): BF1
800000
Ion 128.00 (127.70 to 128.70): E
600000
Ion 54.00 (53.70 to 54.70): BF1
400000
200000
0

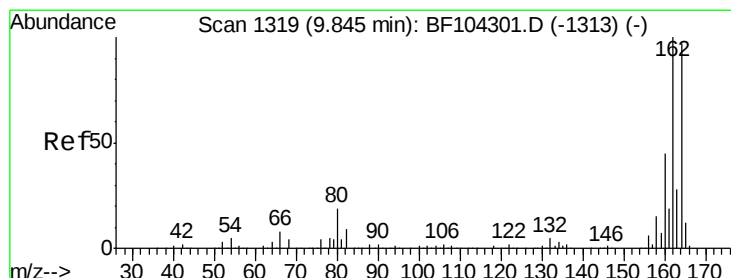
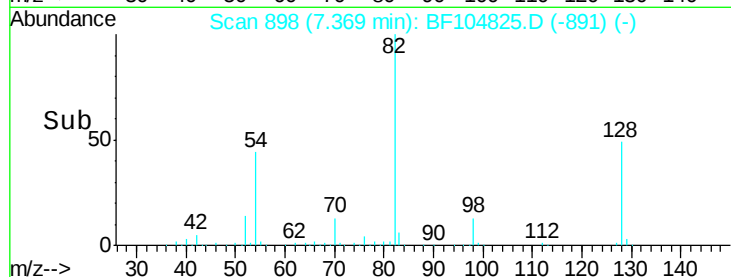
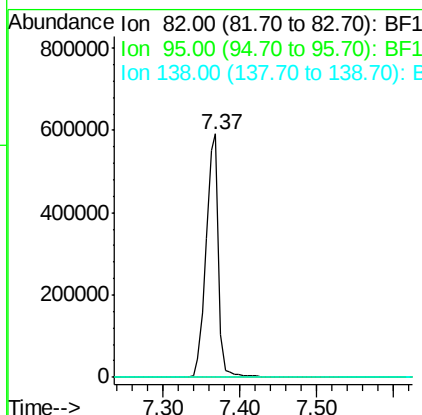
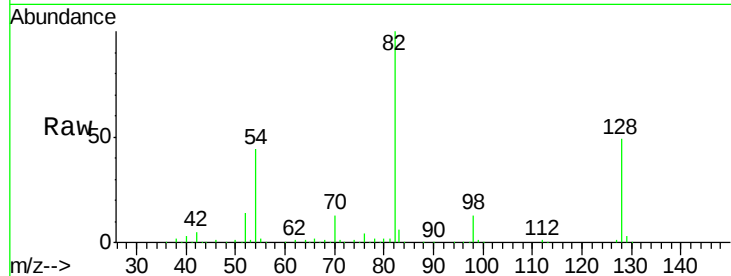




#25
Isophorone
Concen: 40.142 ng
RT: 7.37 min Scan# 898
Delta R.T. -0.26 min
Lab File: BF104825.D
Acq: 26 Apr 2018 8:47

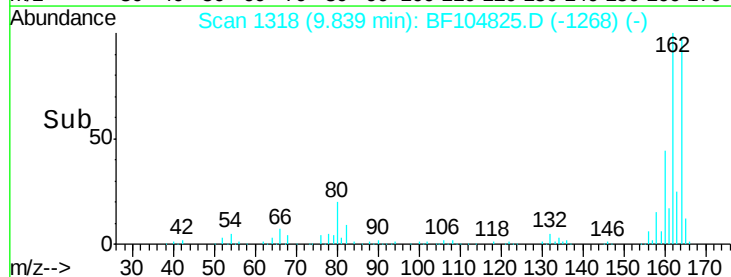
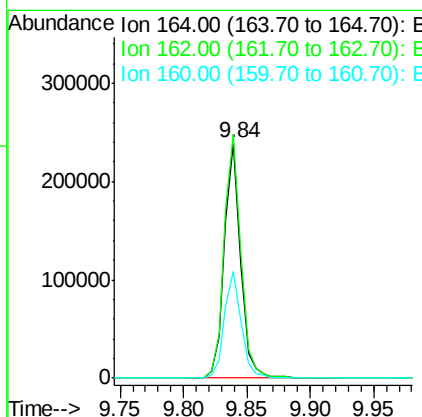
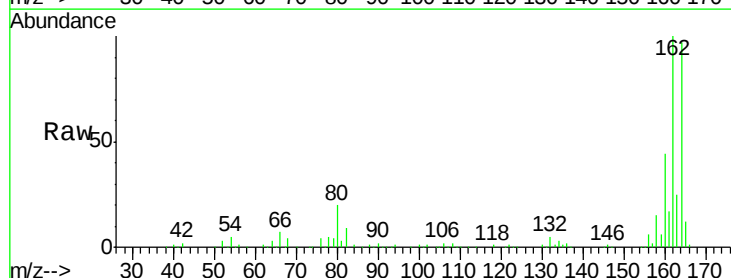
Instrument :
BNA_F
ClientSampleId :

Tot Ion: 82 Resp: 660338
Ion Ratio Lower Upper
82 100
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: BF104825.D
Acq: 26 Apr 2018 8:47

Tgt Ion:164 Resp: 215384
Ion Ratio Lower Upper
164 100
162 103.6 86.1 129.1
160 45.3 38.3 57.5





#41

2,4,6-Tribromophenol

Concen: 93.382 ng

RT: 10.63 min Scan# 1453

Delta R.T. -0.01 min

Lab File: BF104825.D

Acq: 26 Apr 2018 8:47

Instrument :

BNA_F

ClientSampleId :

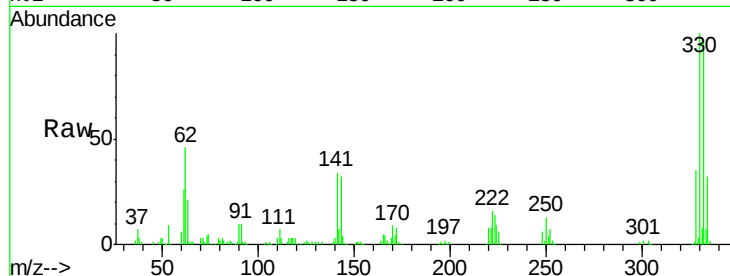
Tot Ion:330 Resp: 208638

Ion Ratio Lower Upper

330 100

332 97.1 77.0 115.6

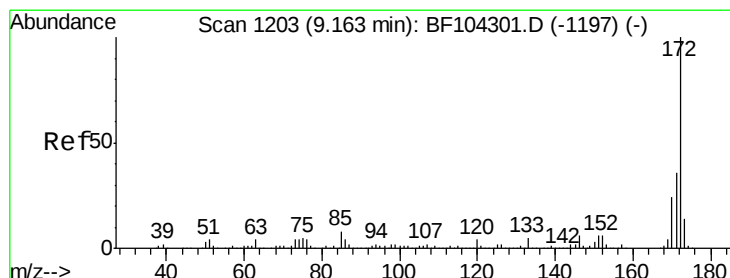
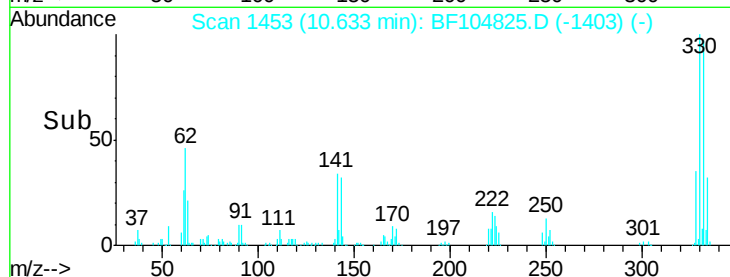
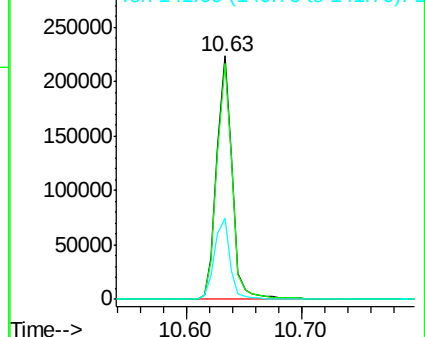
141 34.0 29.9 44.9



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: 84.602 ng

RT: 9.16 min Scan# 1202

Delta R.T. -0.01 min

Lab File: BF104825.D

Acq: 26 Apr 2018 8:47

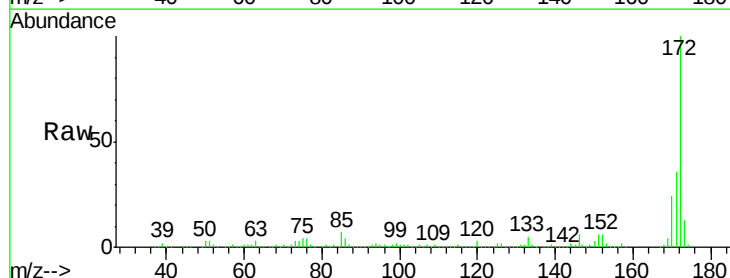
Tgt Ion:172 Resp: 1153466

Ion Ratio Lower Upper

172 100

171 36.3 29.7 44.5

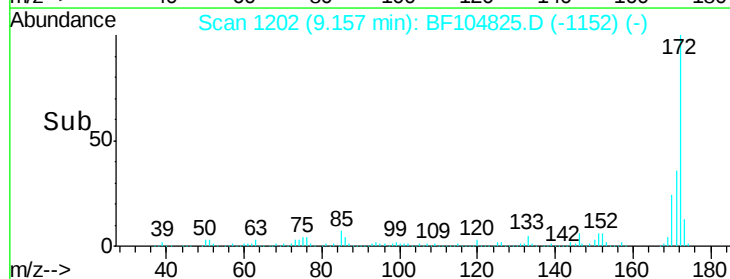
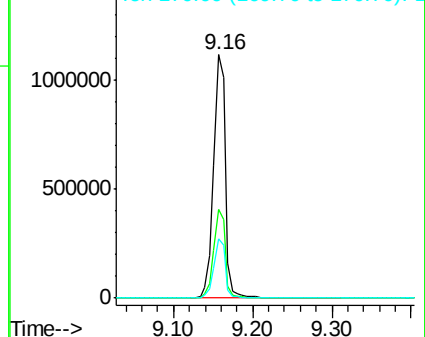
170 24.4 19.6 29.4

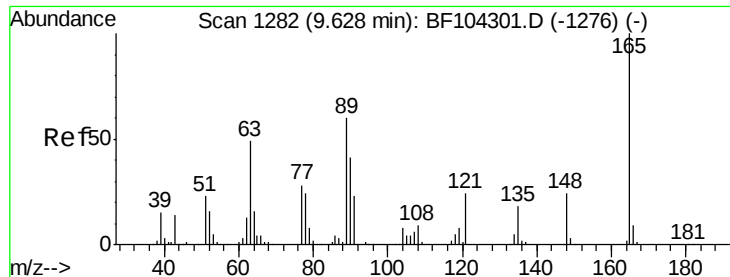


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

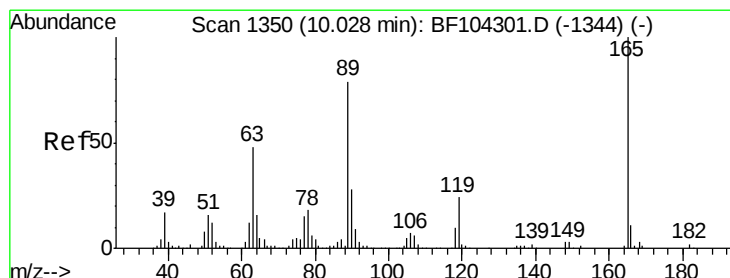
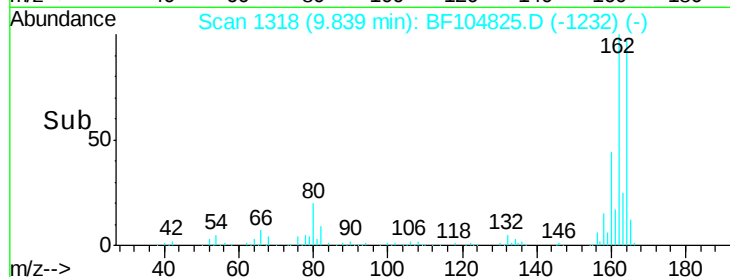
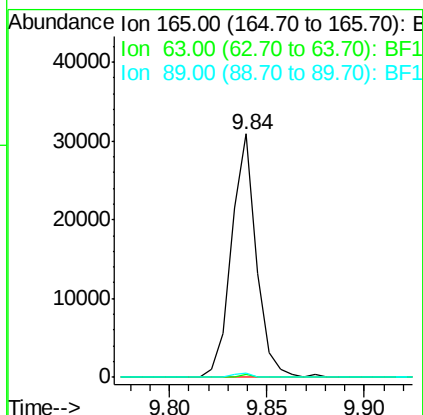
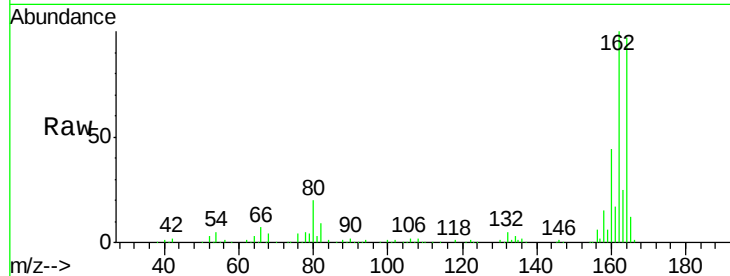




#50
 2,6-Dinitrotoluene
 Concen: 8.682 ng
 RT: 9.84 min Scan# 1318
 Delta R.T. 0.21 min
 Lab File: BF104825.D
 Acq: 26 Apr 2018 8:47

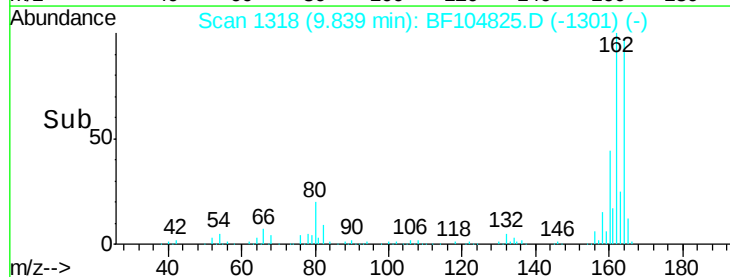
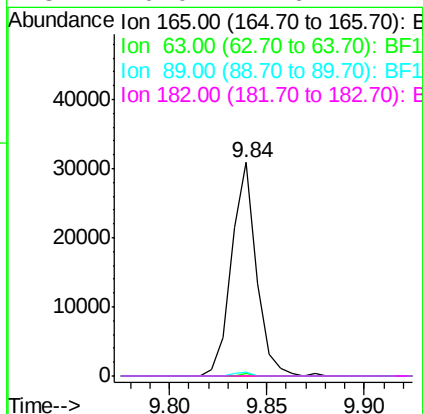
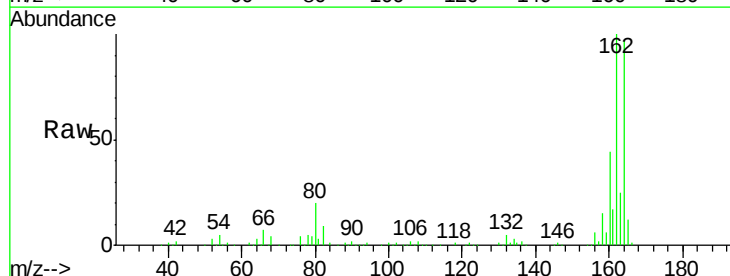
Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.4	44.7	67.1#
89	1.6	44.0	66.0#



#56
 2,4-Dinitrotoluene
 Concen: 6.619 ng
 RT: 9.84 min Scan# 1318
 Delta R.T. -0.20 min
 Lab File: BF104825.D
 Acq: 26 Apr 2018 8:47

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

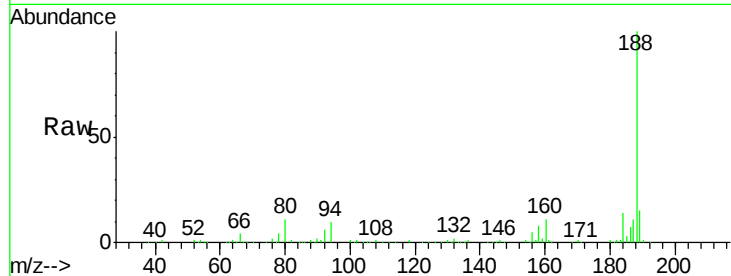




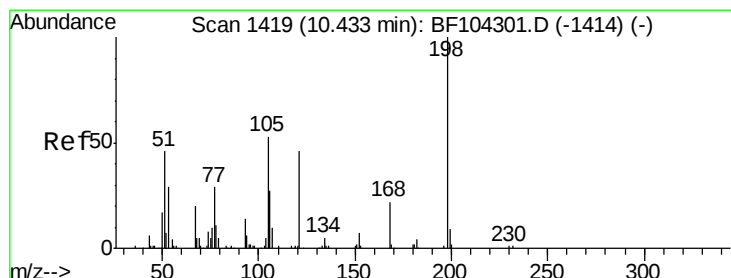
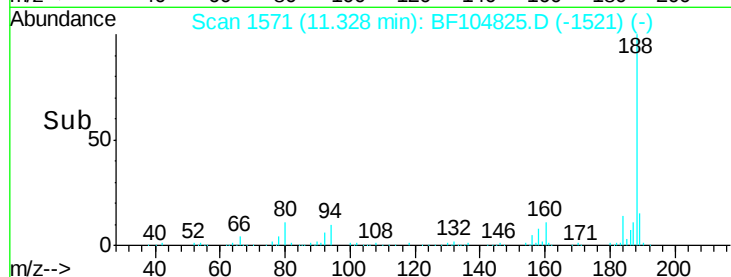
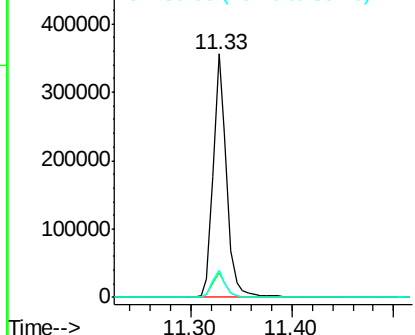
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.33 min Scan# 1571
Delta R.T. -0.01 min
Lab File: BF104825.D
Acq: 26 Apr 2018 8:47

Instrument :
BNA_F
ClientSampleId :

Tot Ion:188 Resp: 326136
Ion Ratio Lower Upper
188 100
94 10.4 8.5 12.7
80 11.2 9.2 13.8

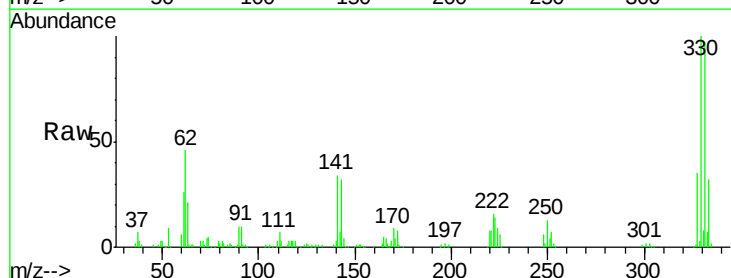


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

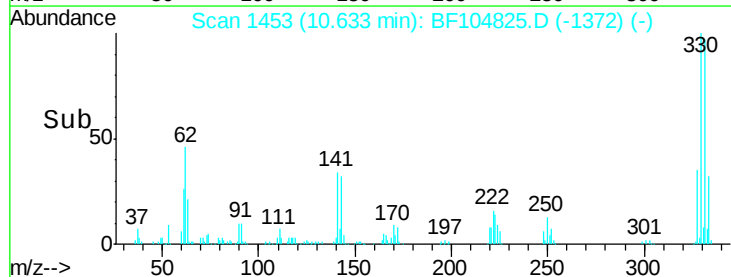
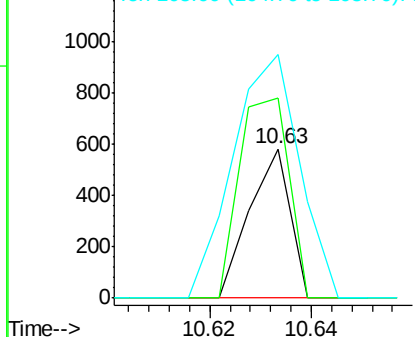


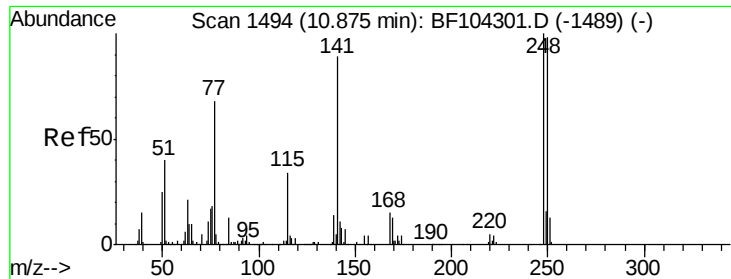
#64
4,6-Dinitro-2-methylphenol
Concen: 7.520 ng
RT: 10.63 min Scan# 1453
Delta R.T. 0.18 min
Lab File: BF104825.D
Acq: 26 Apr 2018 8:47

Tgt Ion:198 Resp: 325
Ion Ratio Lower Upper
198 100
51 134.3 37.7 77.7#
105 163.5 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

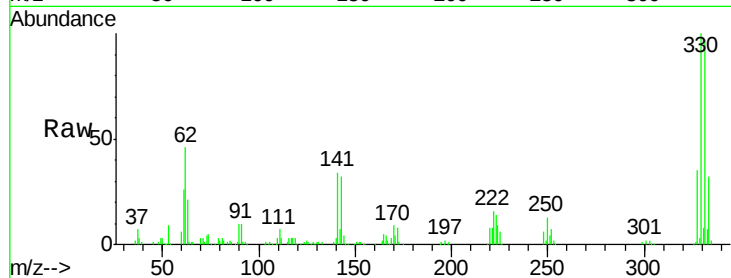




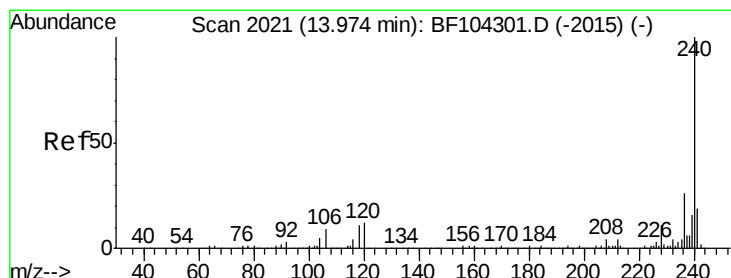
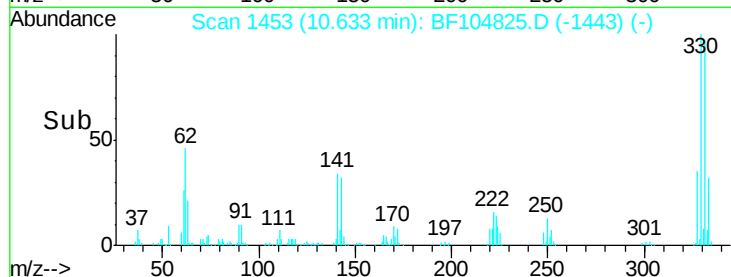
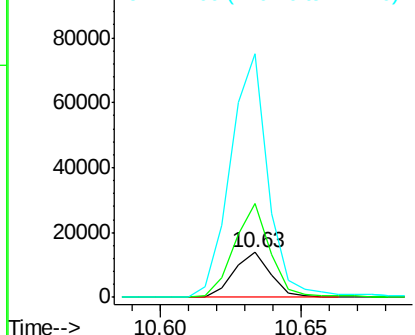
#66
 4-Bromophenyl-phenylether
 Concen: 3.625 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. -0.24 min
 Lab File: BF104825.D
 Acq: 26 Apr 2018 8:47

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:248 Resp: 12577
 Ion Ratio Lower Upper
 248 100
 250 207.7 76.9 115.3#
 141 539.8 74.4 111.6#

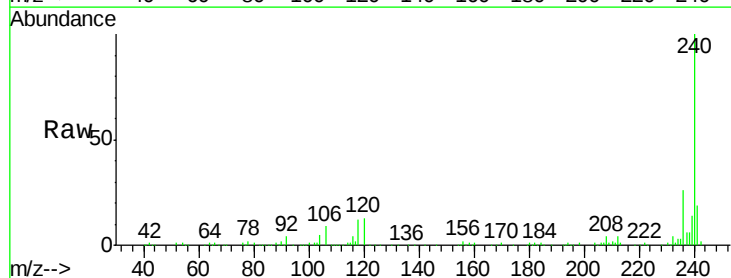


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

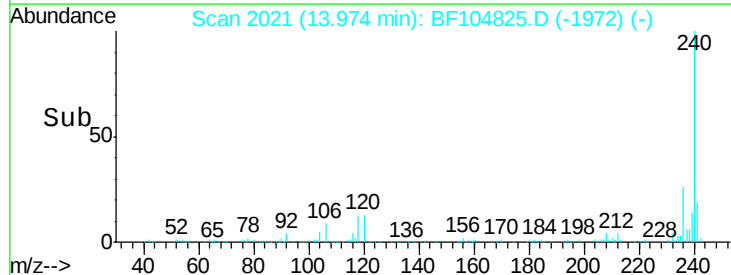
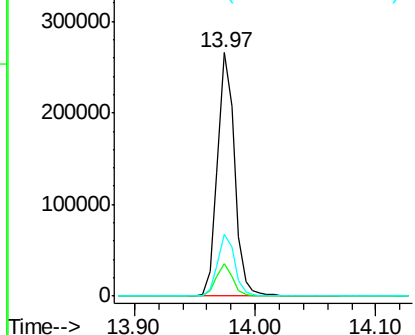


#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.97 min Scan# 2021
 Delta R.T. -0.01 min
 Lab File: BF104825.D
 Acq: 26 Apr 2018 8:47

Tgt Ion:240 Resp: 259523
 Ion Ratio Lower Upper
 240 100
 120 13.1 9.5 14.3
 236 25.5 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

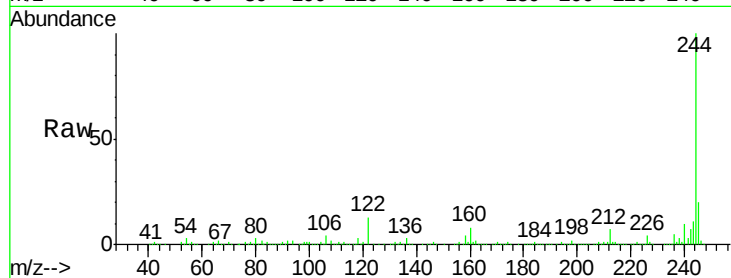




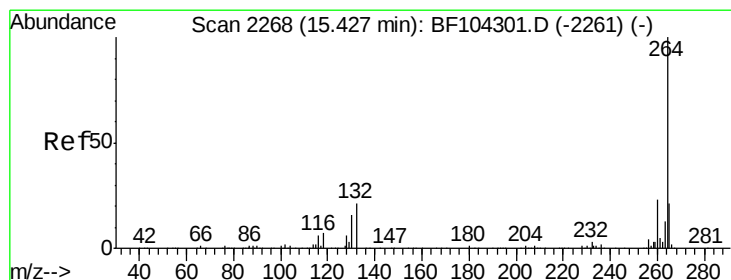
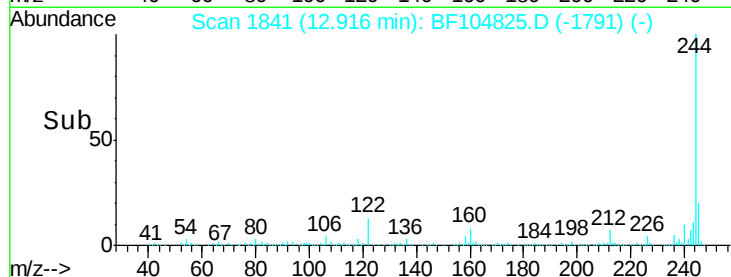
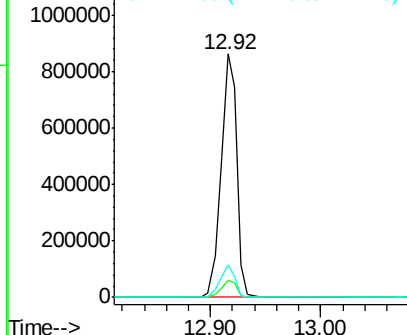
#78
 Terphenyl-d14
 Concen: 74.662 ng
 RT: 12.92 min Scan# 1841
 Delta R.T. -0.01 min
 Lab File: BF104825.D
 Acq: 26 Apr 2018 8:47

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:244 Resp: 849914
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.4 8.0
 122 13.2 11.0 16.4

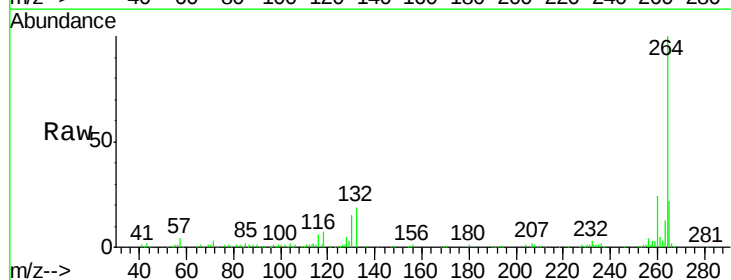


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.44 min Scan# 2271
 Delta R.T. -0.02 min
 Lab File: BF104825.D
 Acq: 26 Apr 2018 8:47

Tgt Ion:264 Resp: 197084
 Ion Ratio Lower Upper
 264 100
 260 24.4 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

