

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042618\
 Data File : BF104837.D
 Acq On : 26 Apr 2018 15:21
 Operator : JU/SJ
 Sample : J2525-04
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 27 07:31:42 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	122570	20.00	ng	0.00
21) Naphthalene-d8	8.08	136	499649	20.00	ng	0.00
38) Acenaphthene-d10	9.84	164	212526	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	313898	20.00	ng	0.00
75) Chrysene-d12	13.98	240	243906	20.00	ng	0.00
86) Perylene-d12	15.44	264	253783	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.42	112	948479	118.32	ng	0.00
7) Phenol-d6	6.45	99	1136051	115.35	ng	0.00
23) Nitrobenzene-d5	7.37	82	736470	96.25	ng	0.00
41) 2,4,6-Tribromophenol	10.63	330	246079	111.62	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	986210	73.31	ng	0.00
78) Terphenyl-d14	12.92	244	599222	56.01	ng	0.00

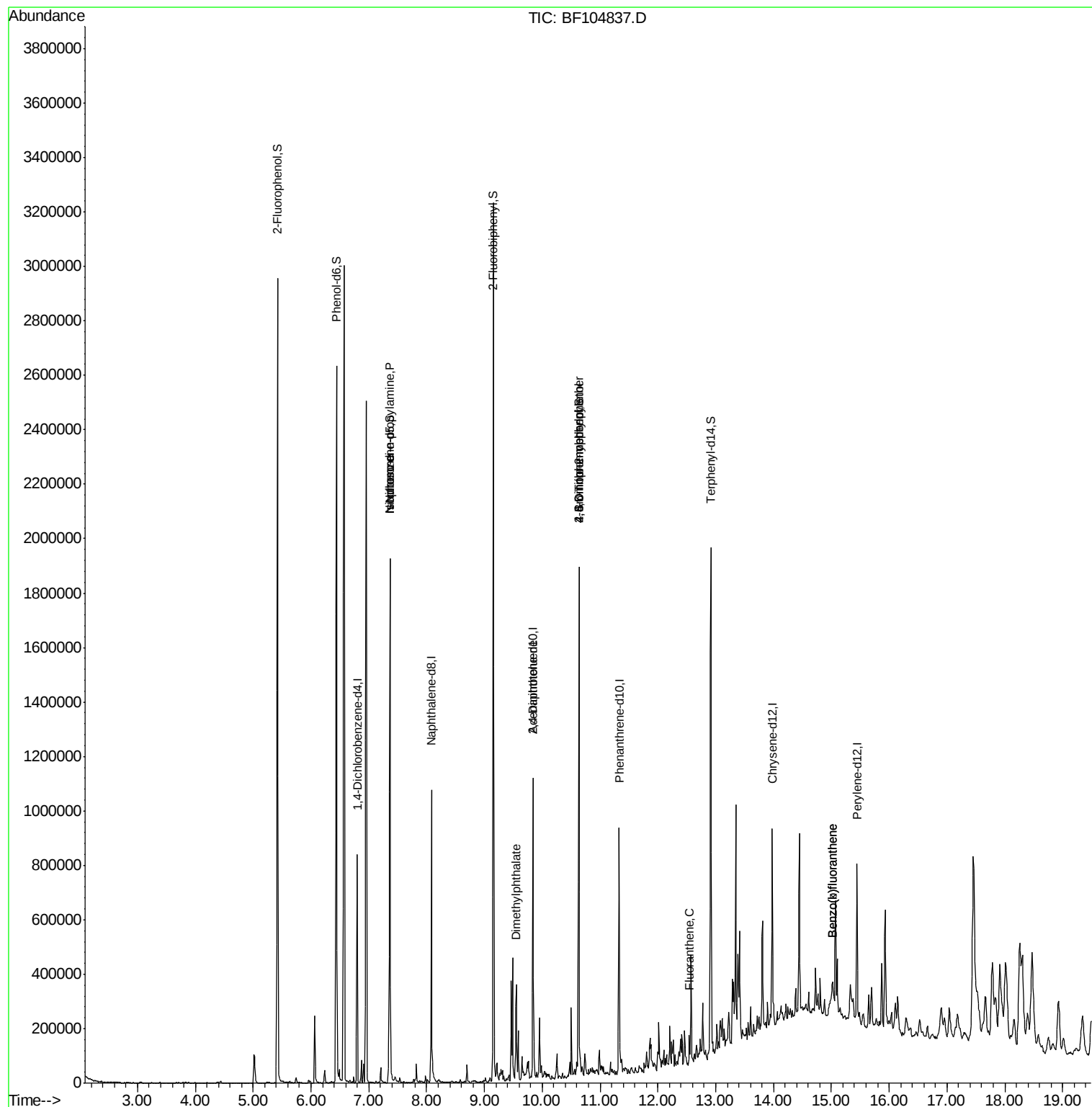
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.36	77	2274	Below Cal		91
19) n-Nitroso-di-n-propylamine	7.37	70	95786	14.883	ng	# 71
25) Isophorone	7.37	82	736465	45.515	ng	# 64
49) Dimethylphthalate	9.55	163	133992	7.995	ng	99
56) 2,4-Dinitrotoluene	9.83	165	27392	6.734	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.63	198	349	7.540	ng	# 1
66) 4-Bromophenyl-phenylether	10.63	248	15143	4.535	ng	# 1
74) Fluoranthene	12.55	202	44956	2.461	ng	97
76) Benzidine	12.49	184	530	Below Cal		# 1
87) Benzo(b)fluoranthene	15.02	252	43712	2.727	ng	# 85
88) Benzo(k)fluoranthene	15.02	252	43712	2.889	ng	# 88

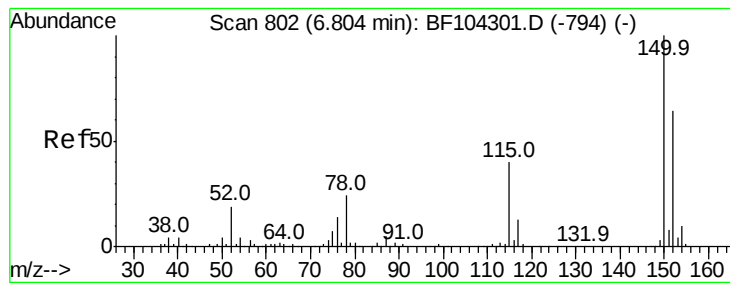
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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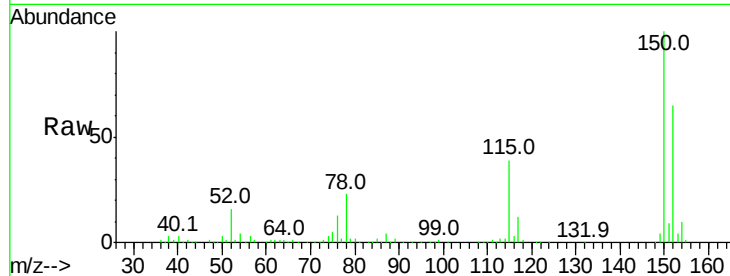


#1

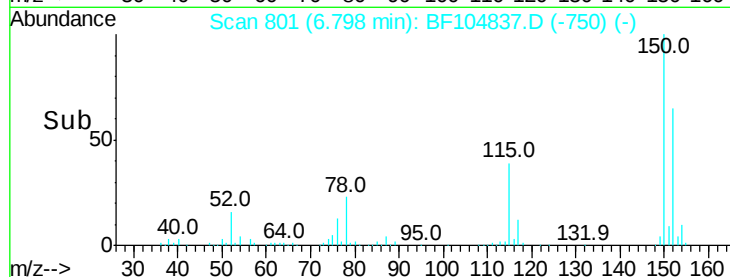
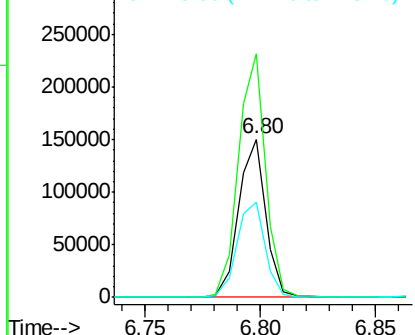
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 801
Delta R.T. -0.00 min
Lab File: BF104837.D
Acq: 26 Apr 2018 15:21

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 122570
Ion Ratio Lower Upper
152 100
150 153.7 124.6 186.8
115 60.0 50.1 75.1



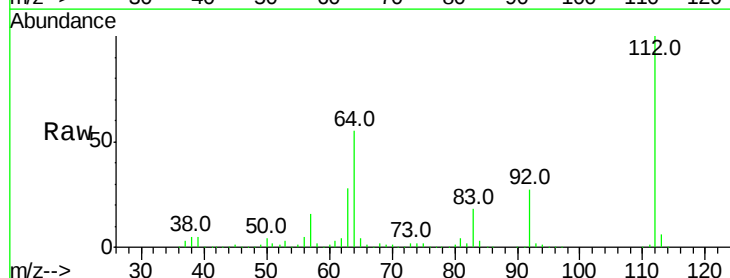
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



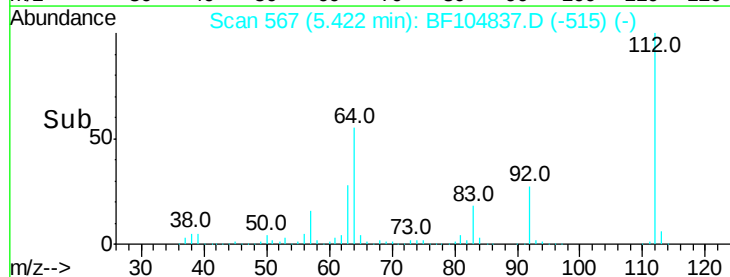
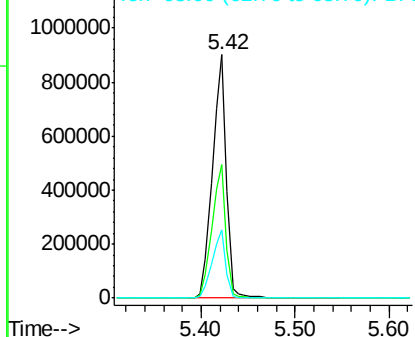
#5

2-Fluorophenol
Concen: 118.322 ng
RT: 5.42 min Scan# 567
Delta R.T. 0.01 min
Lab File: BF104837.D
Acq: 26 Apr 2018 15:21

Tgt Ion:112 Resp: 948479
Ion Ratio Lower Upper
112 100
64 54.8 47.9 71.9
63 28.0 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: 115.345 ng

RT: 6.45 min Scan# 741

Delta R.T. -0.00 min

Lab File: BF104837.D

Acq: 26 Apr 2018 15:21

Instrument :

BNA_F

ClientSampled :

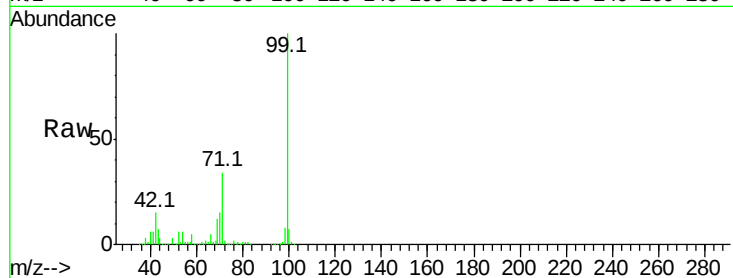
Tot Ion: 99 Resp: 1136051

Ion Ratio Lower Upper

99 100

42 15.1 14.5 21.7

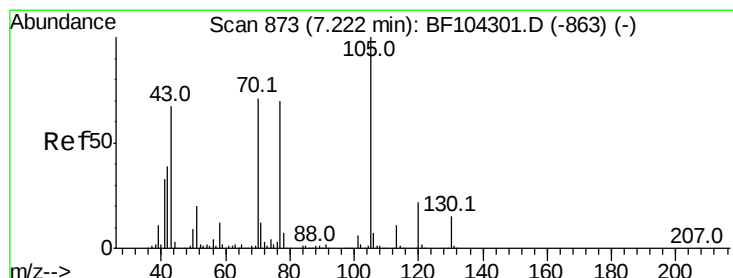
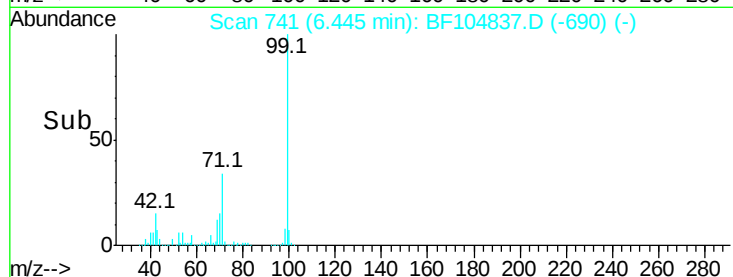
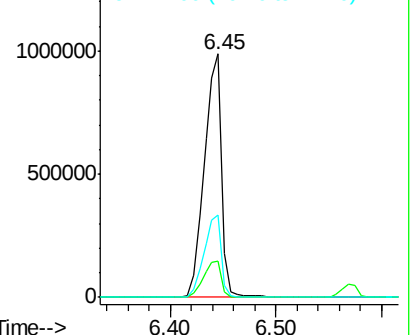
71 33.7 25.4 38.0



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



#19

n-Nitroso-di-n-propylamine

Concen: 14.883 ng

RT: 7.37 min Scan# 898

Delta R.T. 0.15 min

Lab File: BF104837.D

Acq: 26 Apr 2018 15:21

Tgt Ion: 70 Resp: 95786

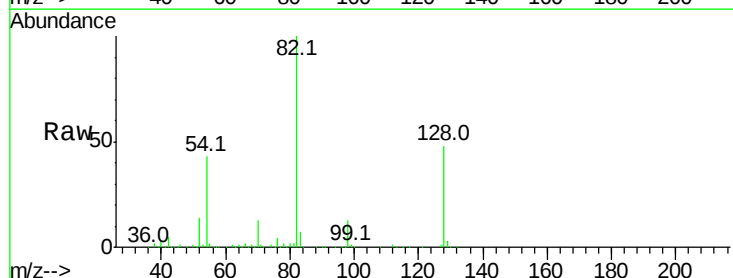
Ion Ratio Lower Upper

70 100

42 39.6 47.5 71.3#

101 0.0 7.4 11.2#

130 2.6 16.6 25.0#

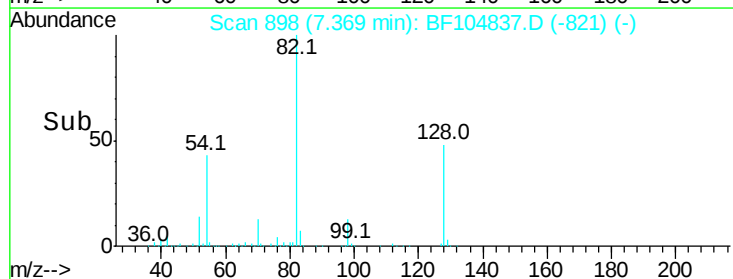
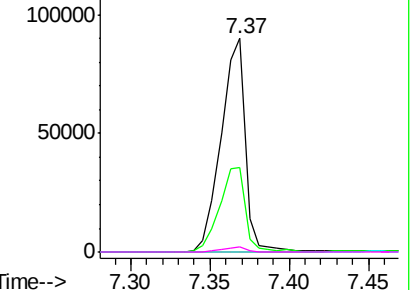


Abundance Ion 70.00 (69.70 to 70.70): BF1

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

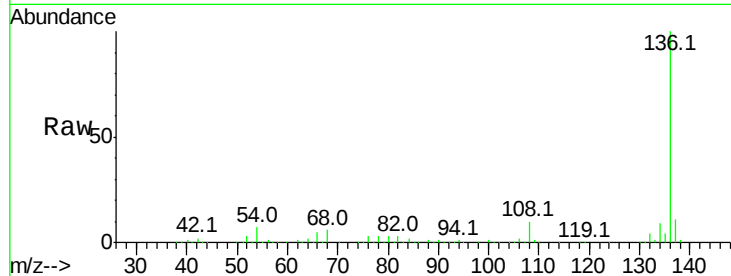




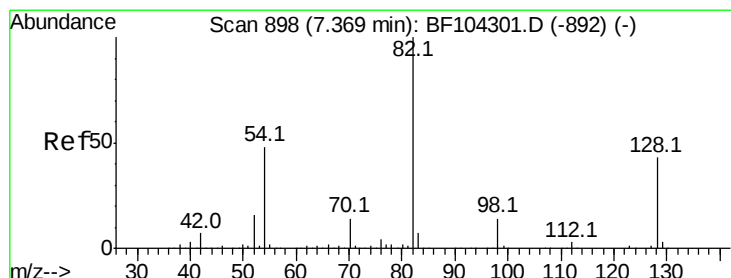
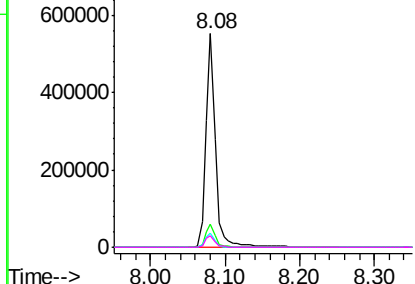
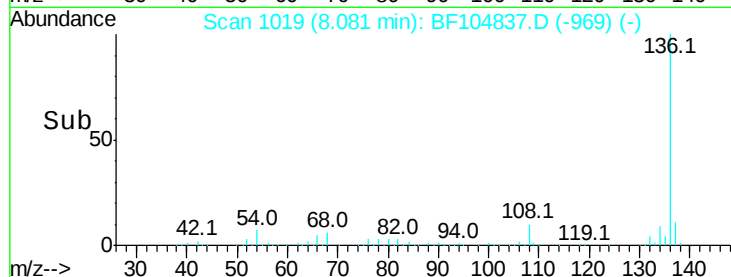
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.08 min Scan# 1019
Delta R.T. -0.01 min
Lab File: BF104837.D
Acq: 26 Apr 2018 15:21

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	499649
Ion Ratio	Lower	Upper
136	100	
137	11.1	8.9 13.3
54	6.7	6.6 9.8
68	5.6	5.0 7.4

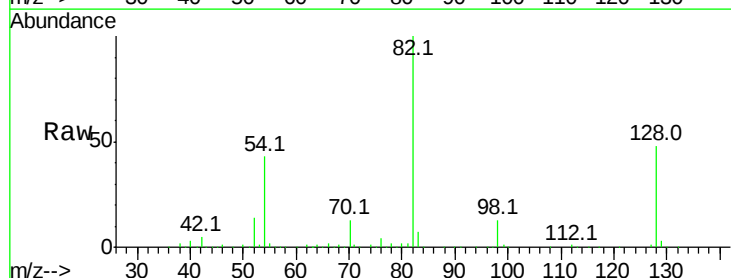


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

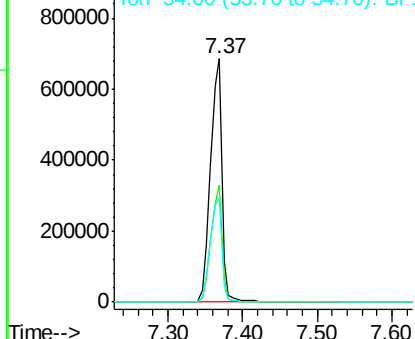
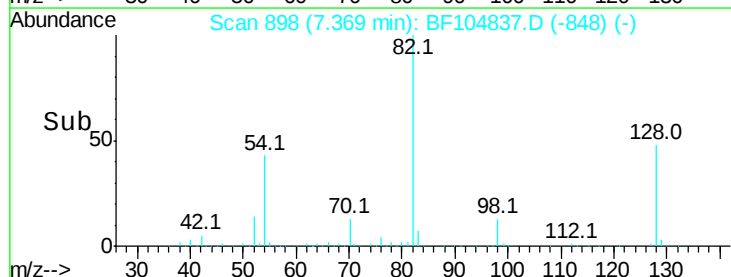


#23
Nitrobenzene-d5
Concen: 96.248 ng
RT: 7.37 min Scan# 898
Delta R.T. -0.01 min
Lab File: BF104837.D
Acq: 26 Apr 2018 15:21

Tgt Ion: 82	Resp:	736470
Ion Ratio	Lower	Upper
82	100	
128	47.9	36.1 54.1
54	42.6	41.4 62.2



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





#25

Isophorone

Concen: 45.515 ng

RT: 7.37 min Scan# 898

Delta R.T. -0.26 min

Lab File: BF104837.D

Acq: 26 Apr 2018 15:21

Instrument :

BNA_F

ClientSampleId :

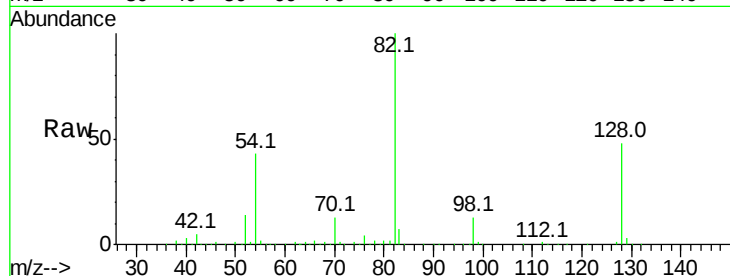
Tot Ion: 82 Resp: 736465

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

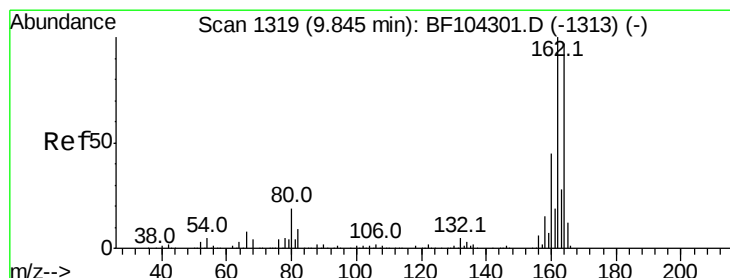
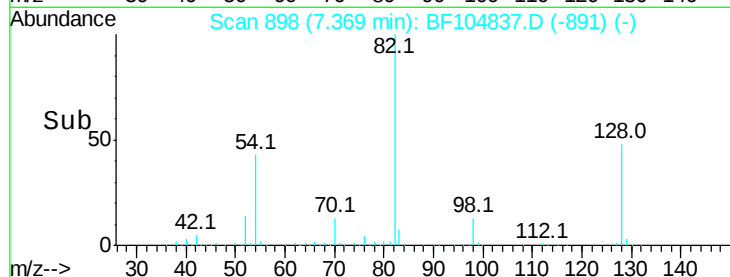
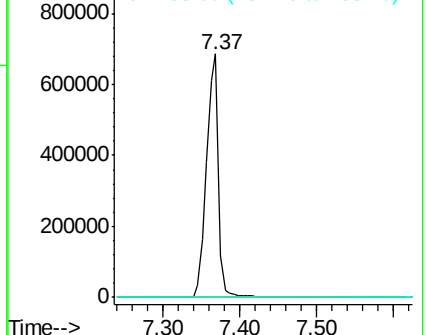
138 0.0 14.9 22.3#



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: BF104837.D

Acq: 26 Apr 2018 15:21

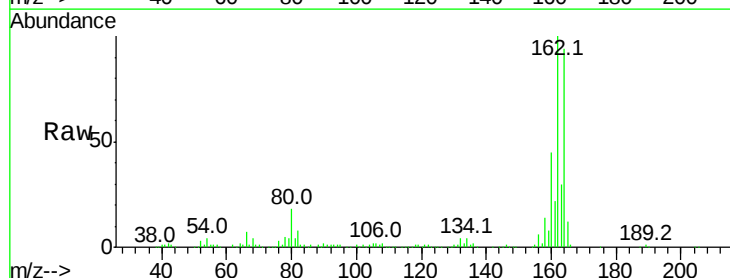
Tgt Ion:164 Resp: 212526

Ion Ratio Lower Upper

164 100

162 106.8 86.1 129.1

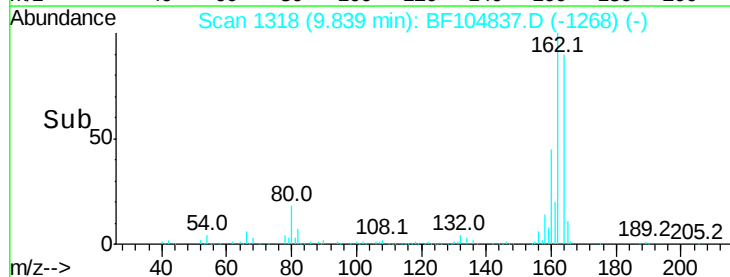
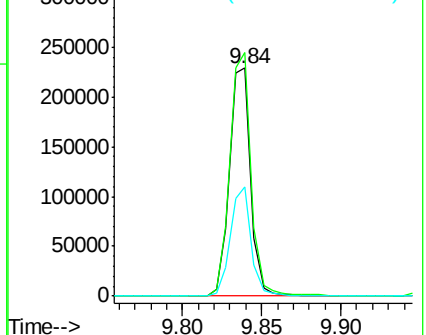
160 47.9 38.3 57.5



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

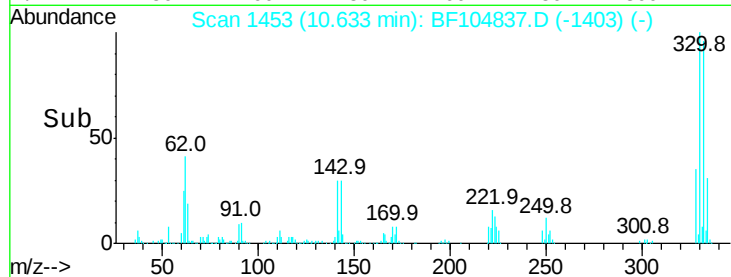
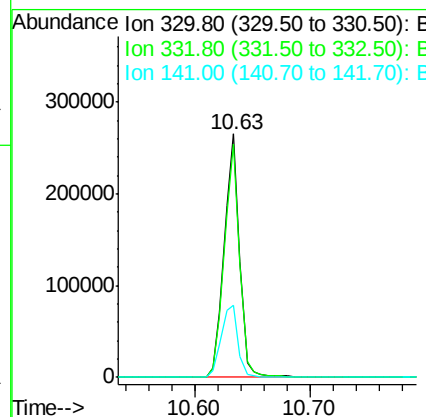
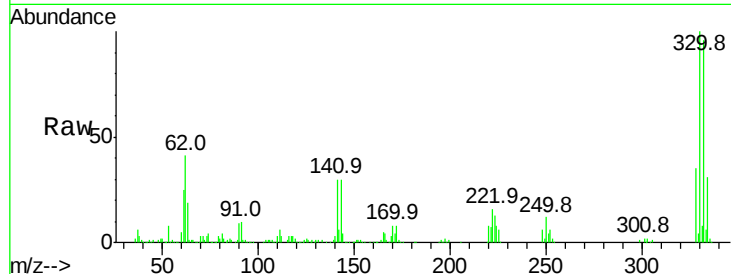




#41
 2,4,6-Tribromophenol
 Concen: 111.621 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. -0.01 min
 Lab File: BF104837.D
 Acq: 26 Apr 2018 15:21

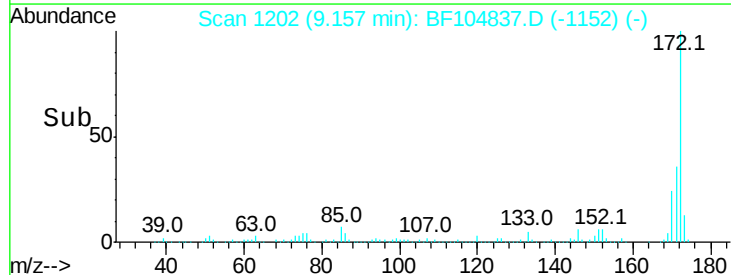
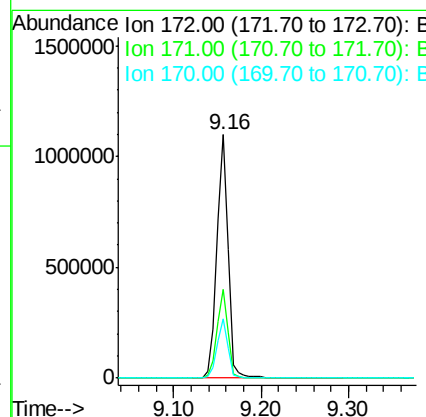
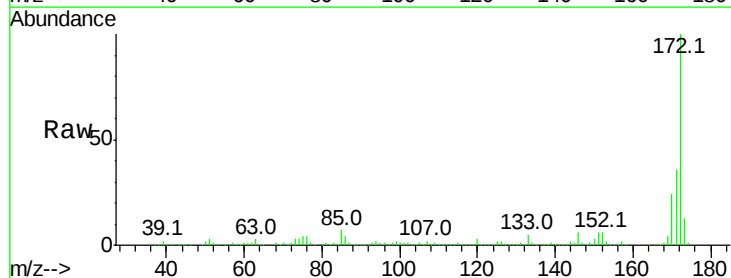
Instrument :
 BNA_F
 ClientSampleId :

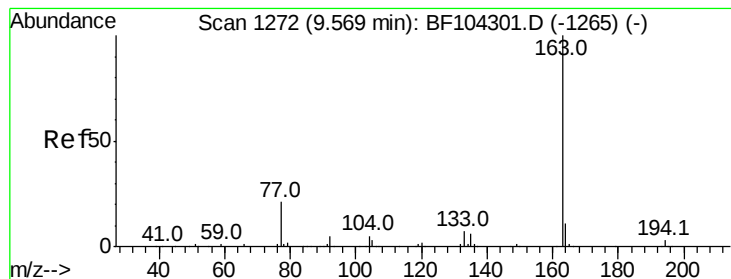
Tot Ion	Ratio	Lower	Upper
330	100		
332	96.0	77.0	115.6
141	32.8	29.9	44.9



#44
 2-Fluorobiphenyl
 Concen: 73.307 ng
 RT: 9.16 min Scan# 1202
 Delta R.T. -0.01 min
 Lab File: BF104837.D
 Acq: 26 Apr 2018 15:21

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.5	29.7	44.5
170	24.2	19.6	29.4





#49

Dimethylphthalate

Concen: 7.995 ng

RT: 9.55 min Scan# 1269

Delta R.T. -0.02 min

Lab File: BF104837.D

Acq: 26 Apr 2018 15:21

Instrument :

BNA_F

ClientSampleId :

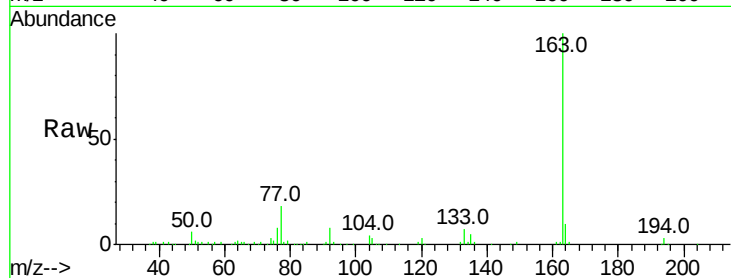
Tot Ion:163 Resp: 133992

Ion Ratio Lower Upper

163 100

194 3.5 2.7 4.1

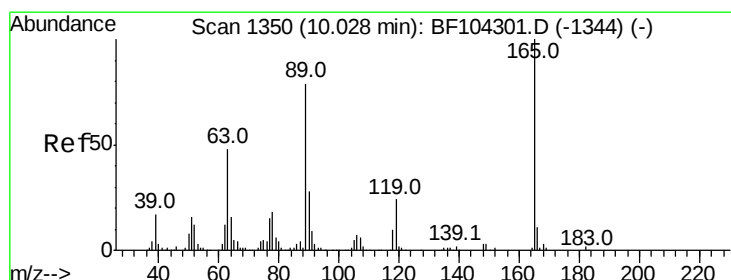
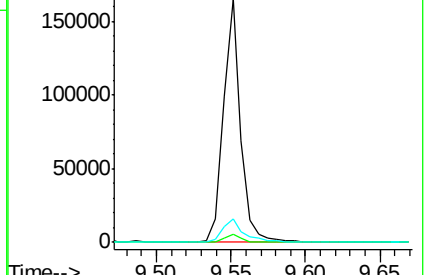
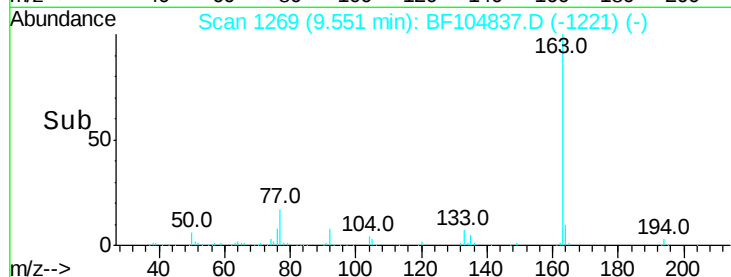
164 9.5 8.2 12.2



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: 6.734 ng

RT: 9.83 min Scan# 1317

Delta R.T. -0.21 min

Lab File: BF104837.D

Acq: 26 Apr 2018 15:21

Tgt Ion:165 Resp: 27392

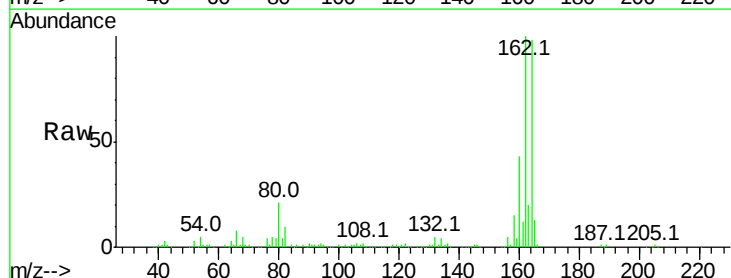
Ion Ratio Lower Upper

165 100

63 1.0 36.4 54.6#

89 1.0 57.8 86.6#

182 0.0 1.6 2.4#

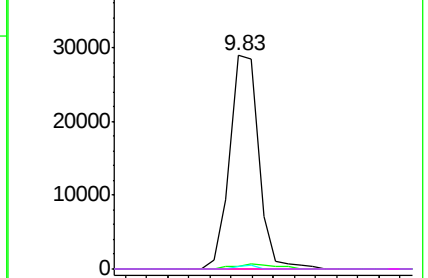
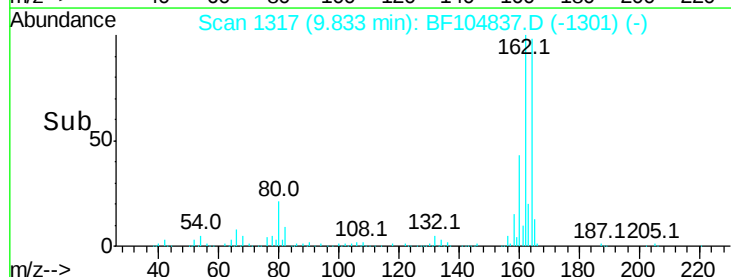


Abundance Ion 165.00 (164.70 to 165.70): E

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

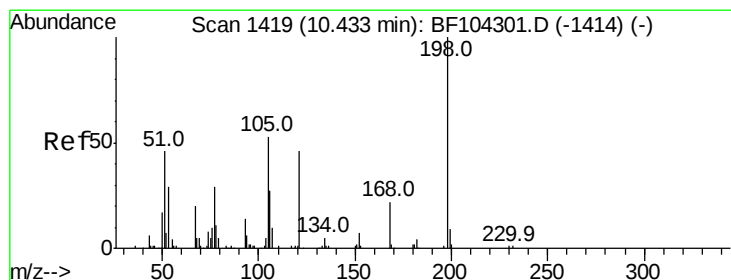
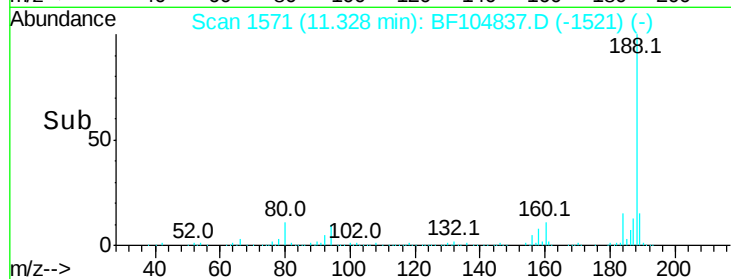
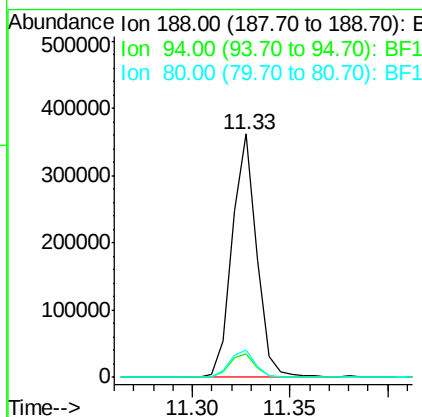
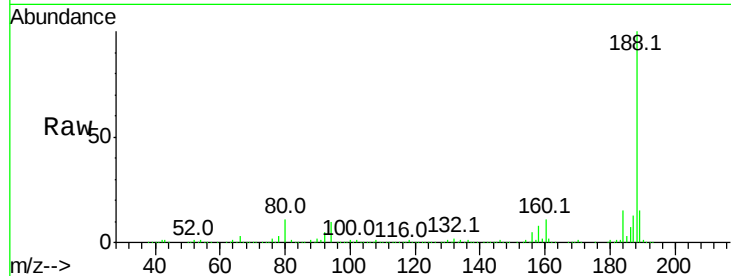




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.33 min Scan# 1571
 Delta R.T. -0.01 min
 Lab File: BF104837.D
 Acq: 26 Apr 2018 15:21

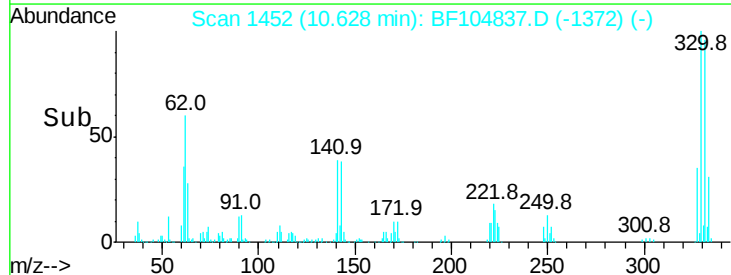
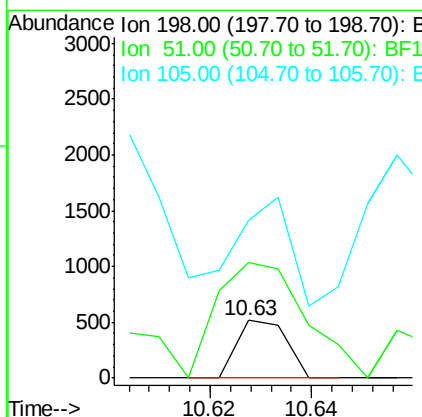
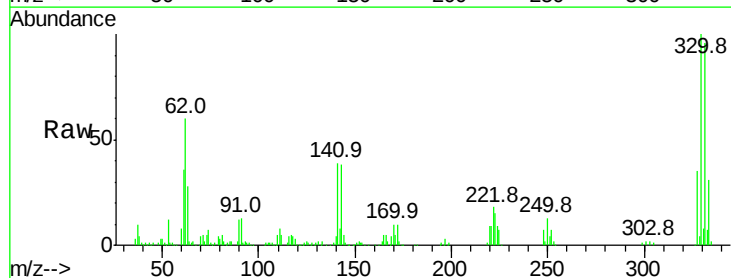
Instrument :
 BNA_F
 ClientSampled :

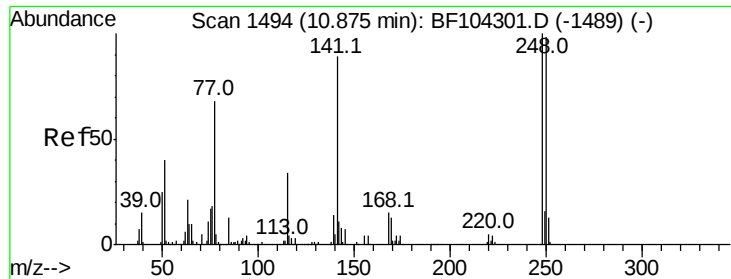
Tot Ion:188 Resp: 313898
 Ion Ratio Lower Upper
 188 100
 94 9.7 8.5 12.7
 80 11.0 9.2 13.8



#64
 4,6-Dinitro-2-methylphenol
 Concen: 7.540 ng
 RT: 10.63 min Scan# 1452
 Delta R.T. 0.17 min
 Lab File: BF104837.D
 Acq: 26 Apr 2018 15:21

Tgt Ion:198 Resp: 349
 Ion Ratio Lower Upper
 198 100
 51 200.0 37.7 77.7#
 105 273.9 36.3 76.3#

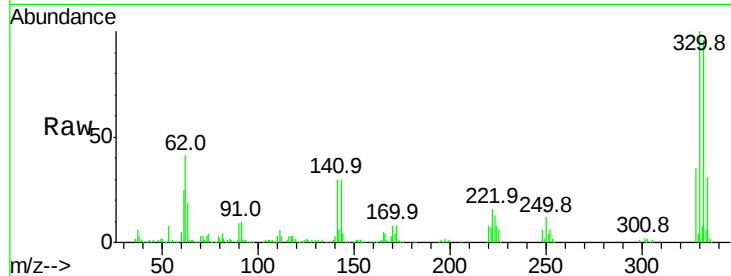




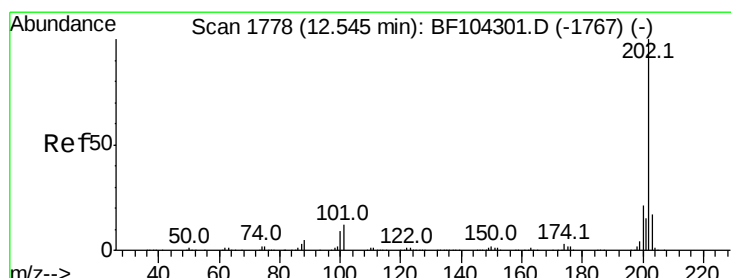
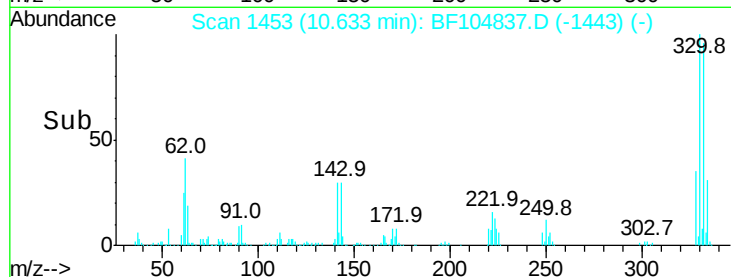
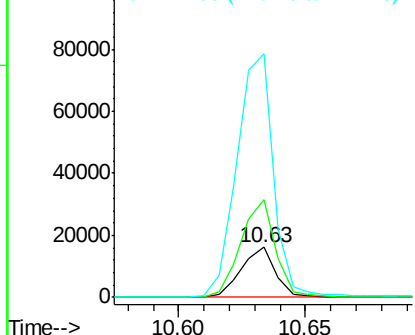
#66
4-Bromophenyl-phenylether
Concen: 4.535 ng
RT: 10.63 min Scan# 1453
Delta R.T. -0.24 min
Lab File: BF104837.D
Acq: 26 Apr 2018 15:21

Instrument :
BNA_F
ClientSampled :

Tot Ion:248 Resp: 15143
Ion Ratio Lower Upper
248 100
250 195.9 76.9 115.3#
141 485.1 74.4 111.6#

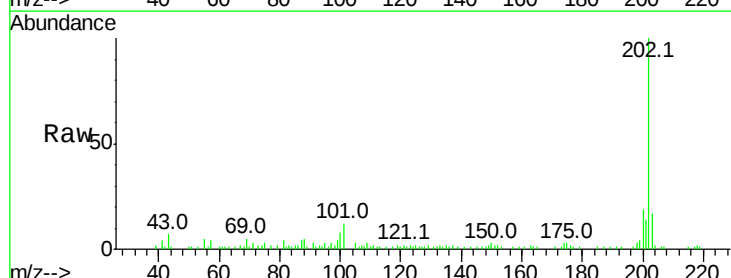


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

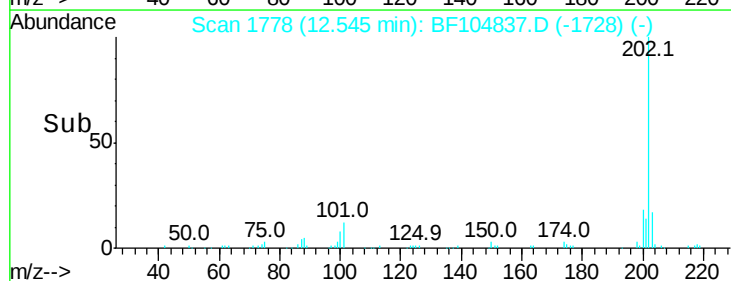
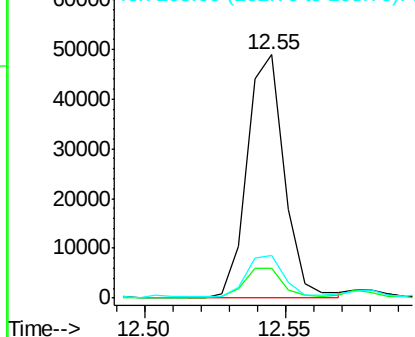


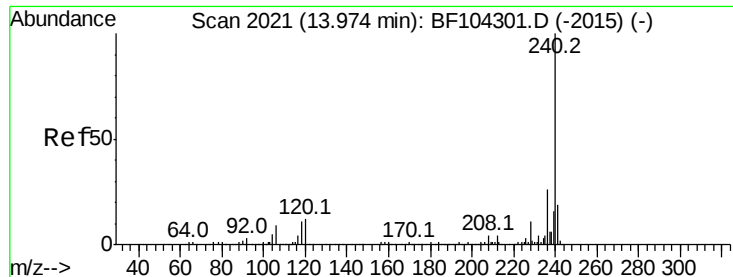
#74
Fluoranthene
Concen: 2.461 ng
RT: 12.55 min Scan# 1778
Delta R.T. -0.01 min
Lab File: BF104837.D
Acq: 26 Apr 2018 15:21

Tgt Ion:202 Resp: 44956
Ion Ratio Lower Upper
202 100
101 12.2 0.0 34.1
203 17.3 0.0 38.1



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.98 min Scan# 2022

Delta R.T. -0.01 min

Lab File: BF104837.D

Acq: 26 Apr 2018 15:21

Instrument :

BNA_F

ClientSampleId :

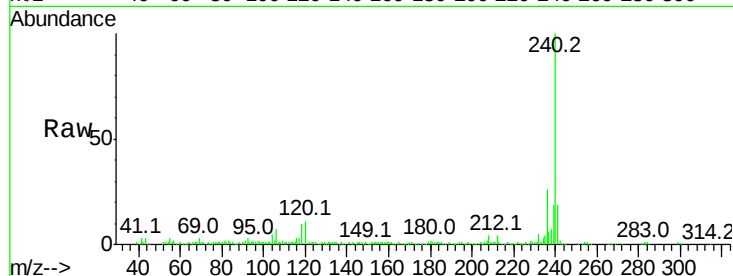
Tot Ion:240 Resp: 243906

Ion Ratio Lower Upper

240 100

120 11.0 9.5 14.3

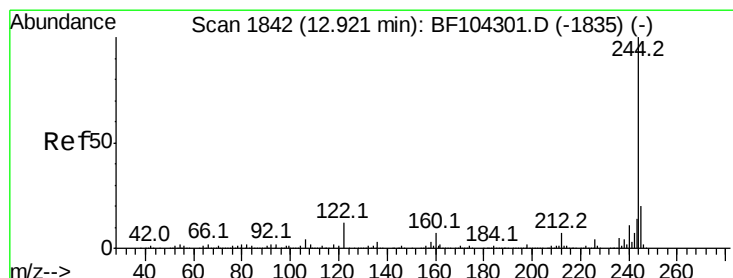
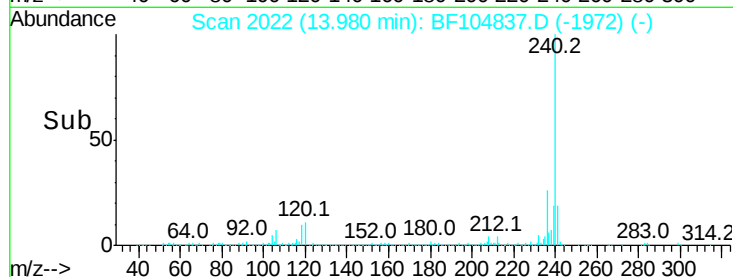
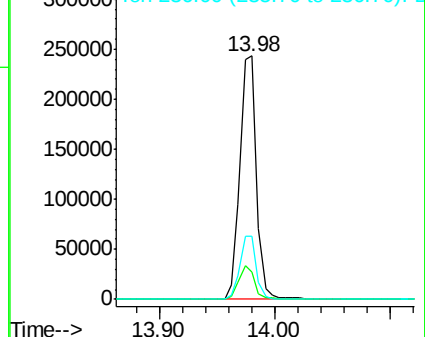
236 26.2 20.7 31.1



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: 56.010 ng

RT: 12.92 min Scan# 1841

Delta R.T. -0.01 min

Lab File: BF104837.D

Acq: 26 Apr 2018 15:21

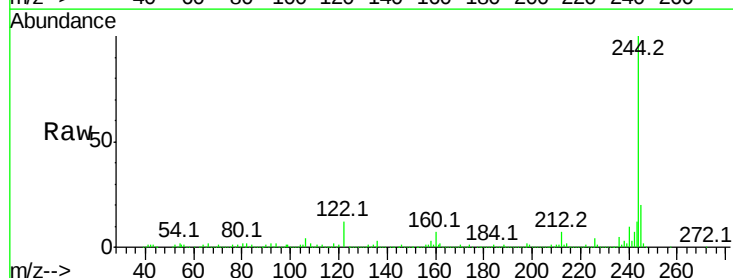
Tgt Ion:244 Resp: 599222

Ion Ratio Lower Upper

244 100

212 6.9 5.4 8.0

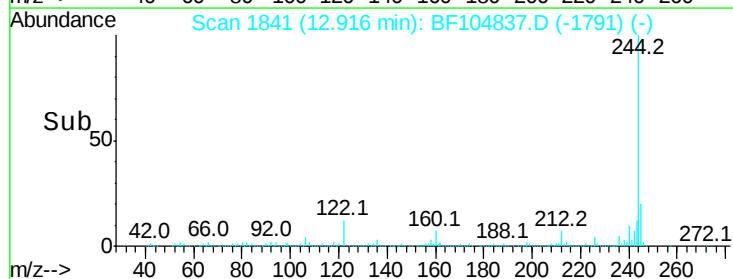
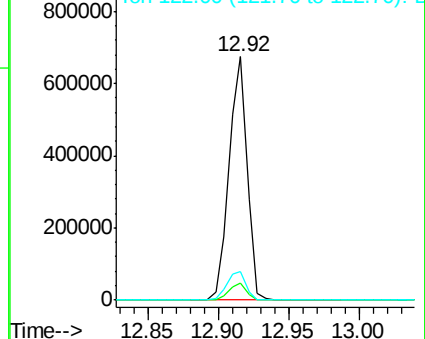
122 11.8 11.0 16.4

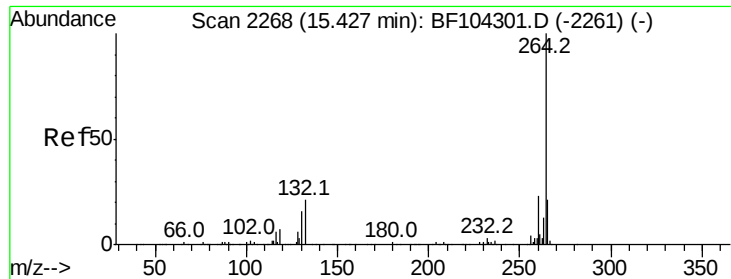


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



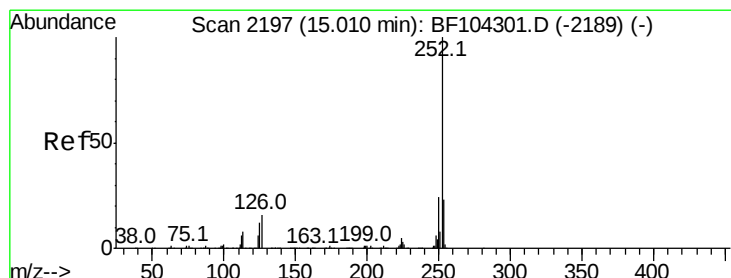
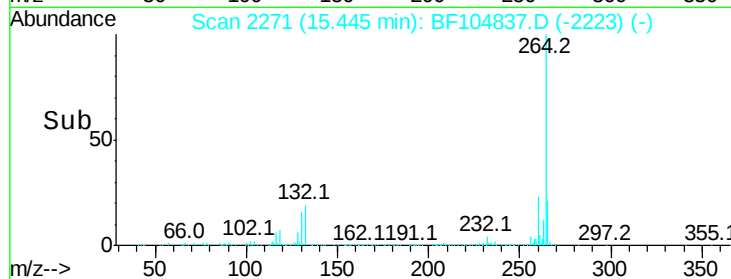
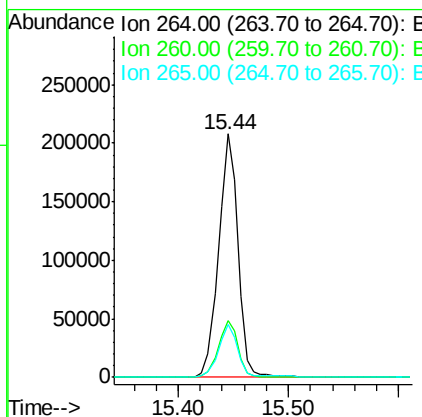
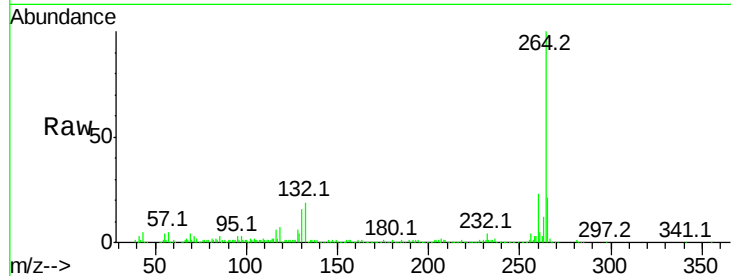


#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.44 min Scan# 2271
Delta R.T. -0.02 min
Lab File: BF104837.D
Acq: 26 Apr 2018 15:21

Instrument :
BNA_F
ClientSampled :

Tot Ion:264 Resp: 253783

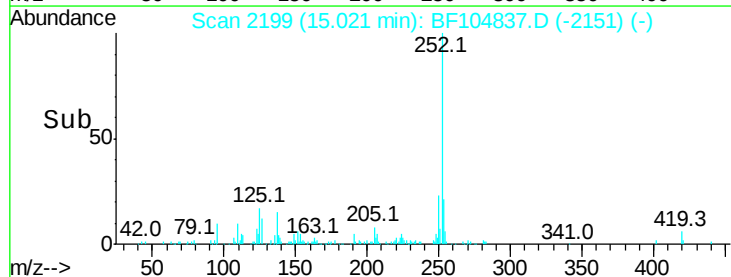
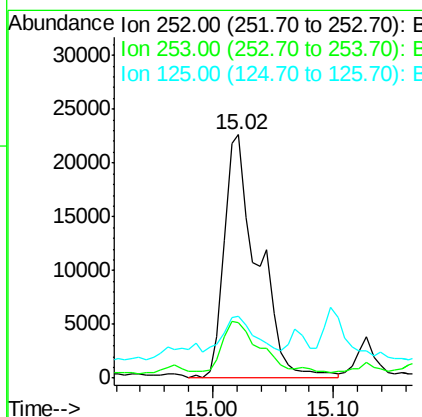
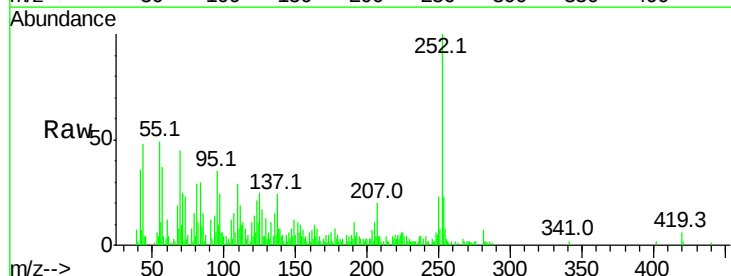
Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.2	28.8
265	21.5	17.5	26.3

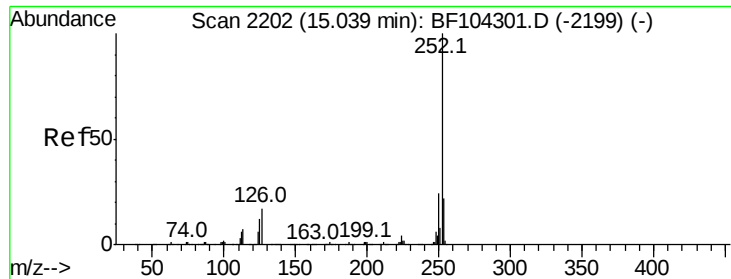


#87
Benzo(b)fluoranthene
Concen: 2.727 ng
RT: 15.02 min Scan# 2199
Delta R.T. -0.02 min
Lab File: BF104837.D
Acq: 26 Apr 2018 15:21

Tgt Ion:252 Resp: 43712

Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.0	25.6
125	25.3	9.0	13.6#





#88

Benzo(k)fluoranthene

Concen: 2.889 ng

RT: 15.02 min Scan# 2199

Delta R.T. -0.05 min

Lab File: BF104837.D

Acq: 26 Apr 2018 15:21

Instrument :

BNA_F

ClientSampleId :

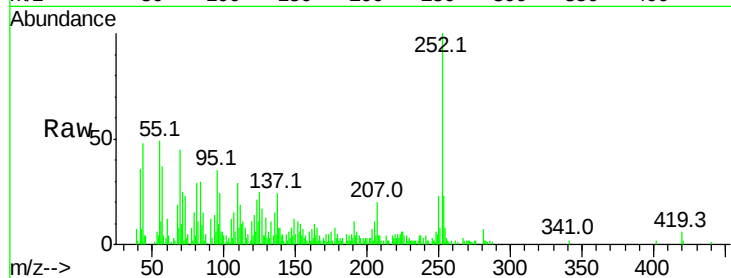
Tot Ion:252 Resp: 43712

Ion Ratio Lower Upper

252 100

253 22.7 17.9 26.9

125 25.3 10.2 15.2#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

