

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042518\
 Data File : BF104818.D
 Acq On : 26 Apr 2018 5:40
 Operator : JU/SJ
 Sample : J2470-06
 Misc :
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 26 08:25:48 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

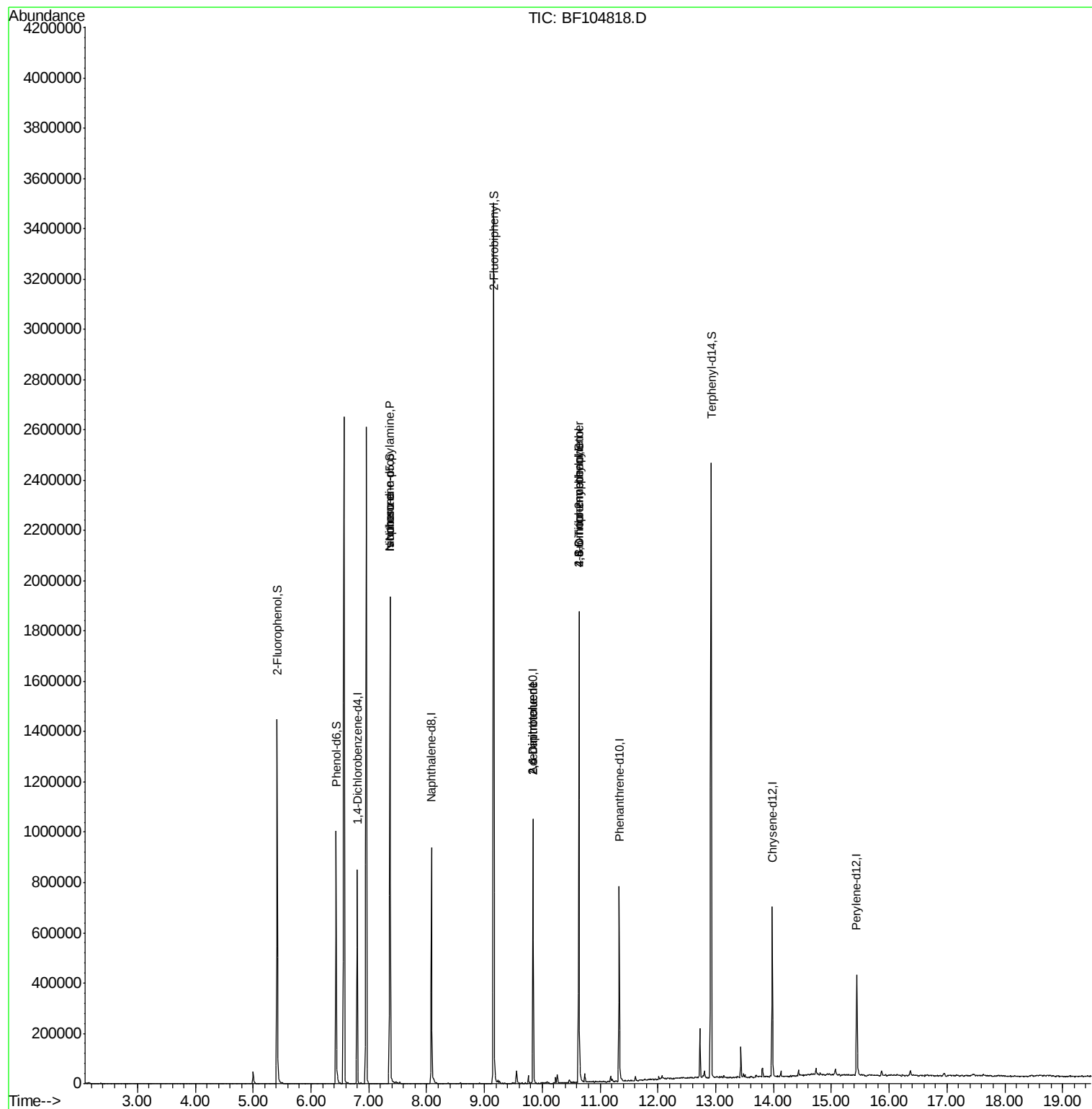
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	116638	20.00	ng	0.00
21) Naphthalene-d8	8.08	136	472420	20.00	ng	0.00
38) Acenaphthene-d10	9.84	164	198398	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	303832	20.00	ng	0.00
75) Chrysene-d12	13.98	240	244162	20.00	ng	0.00
86) Perylene-d12	15.44	264	184512	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	450424	59.05	ng	0.00
7) Phenol-d6	6.43	99	344071	36.71	ng	-0.01
23) Nitrobenzene-d5	7.37	82	680472	94.06	ng	0.00
41) 2,4,6-Tribromophenol	10.63	330	242095	117.63	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	1179701	93.93	ng	0.00
78) Terphenyl-d14	12.92	244	870174	81.25	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.37	70	88928	14.520	ng	# 72
25) Isophorone	7.37	82	680540	44.483	ng	# 64
50) 2,6-Dinitrotoluene	9.84	165	25070	8.660	ng	# 26
56) 2,4-Dinitrotoluene	9.84	165	25070	6.602	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.63	198	303	7.520	ng	# 1
66) 4-Bromophenyl-phenylether	10.63	248	14389	4.452	ng	# 1
76) Benizidine	12.92	184	11794	Below Cal		95

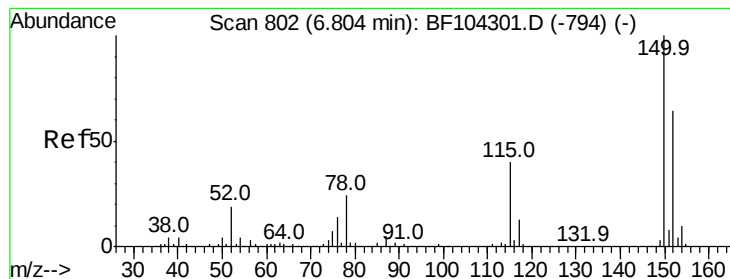
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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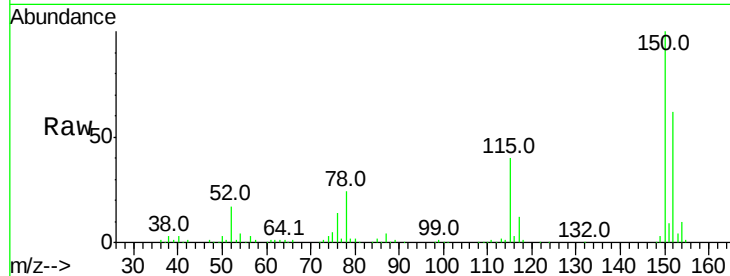


#1

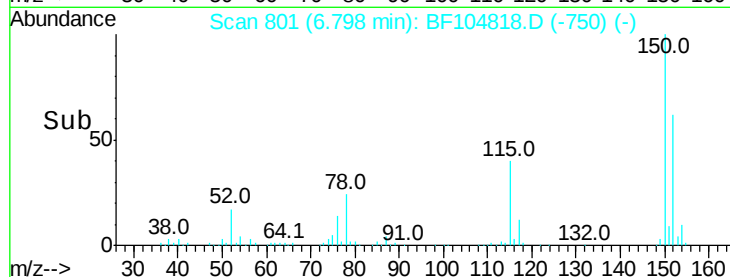
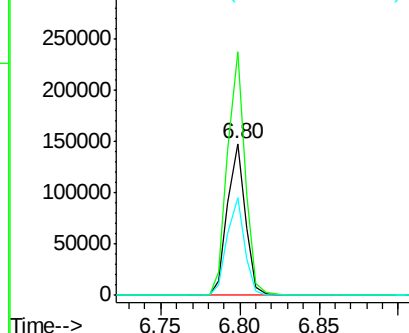
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 801
Delta R.T. -0.00 min
Lab File: BF104818.D
Acq: 26 Apr 2018 5:40

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 116638
Ion Ratio Lower Upper
152 100
150 160.4 124.6 186.8
115 64.6 50.1 75.1



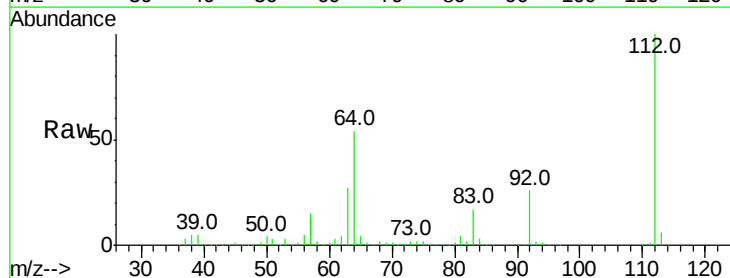
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



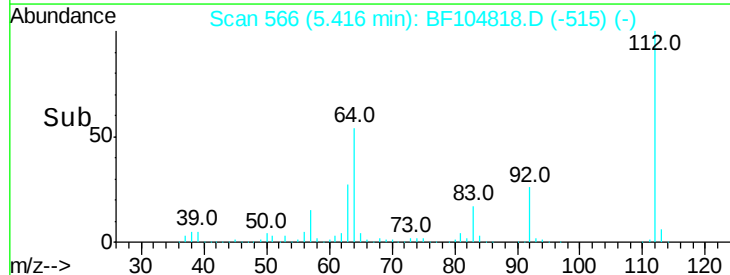
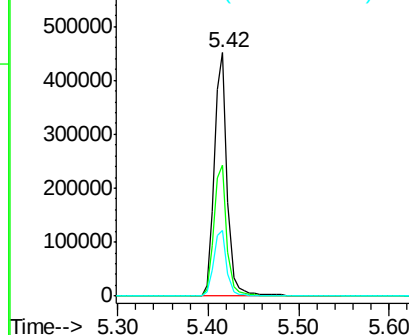
#5

2-Fluorophenol
Concen: 59.048 ng
RT: 5.42 min Scan# 566
Delta R.T. -0.00 min
Lab File: BF104818.D
Acq: 26 Apr 2018 5:40

Tgt Ion:112 Resp: 450424
Ion Ratio Lower Upper
112 100
64 53.6 47.9 71.9
63 27.0 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: 36.711 ng

RT: 6.43 min Scan# 739

Delta R.T. -0.01 min

Lab File: BF104818.D

Acq: 26 Apr 2018 5:40

Instrument :

BNA_F

ClientSampled :

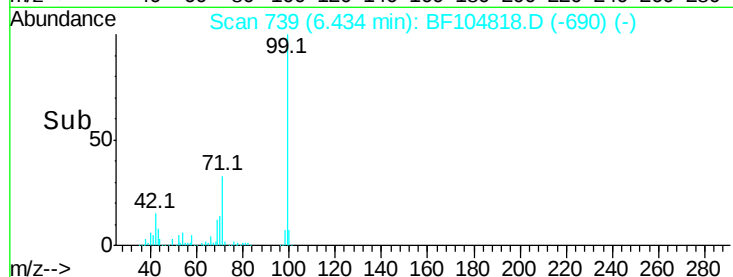
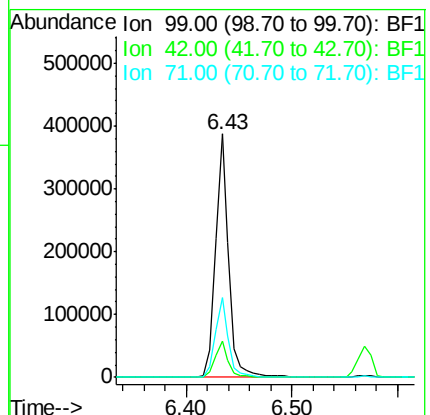
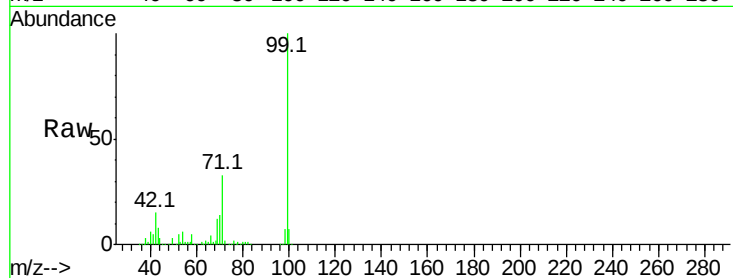
Tot Ion: 99 Resp: 344071

Ion Ratio Lower Upper

99 100

42 15.1 14.5 21.7

71 32.9 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 14.520 ng

RT: 7.37 min Scan# 898

Delta R.T. 0.15 min

Lab File: BF104818.D

Acq: 26 Apr 2018 5:40

Tgt Ion: 70 Resp: 88928

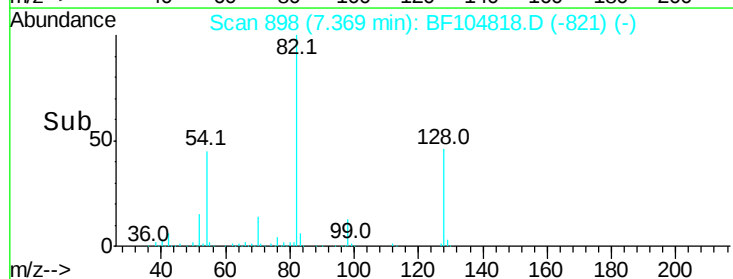
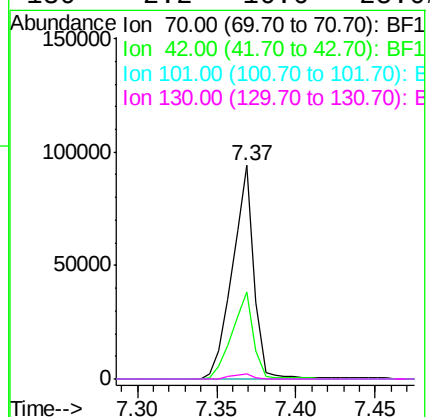
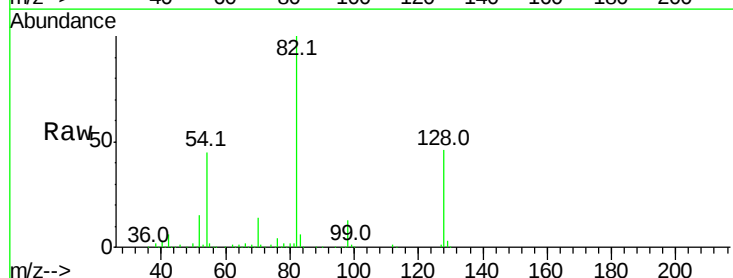
Ion Ratio Lower Upper

70 100

42 40.8 47.5 71.3#

101 0.0 7.4 11.2#

130 2.2 16.6 25.0#

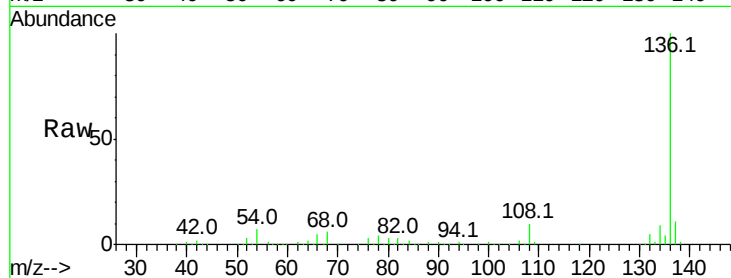




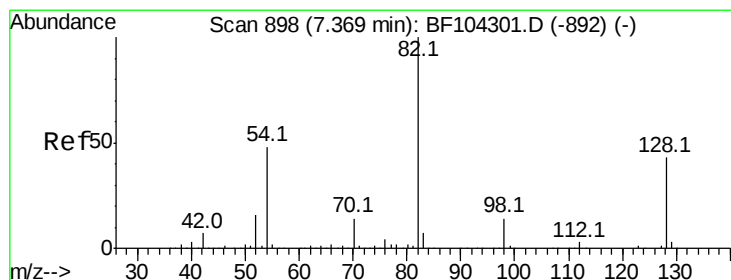
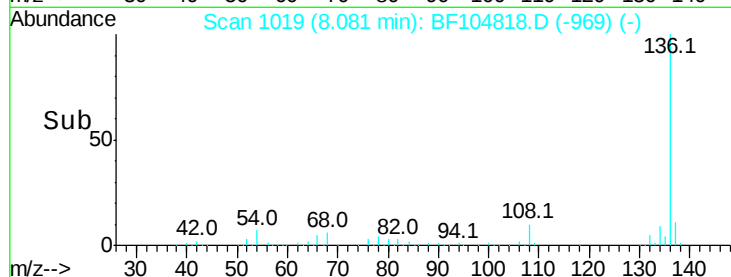
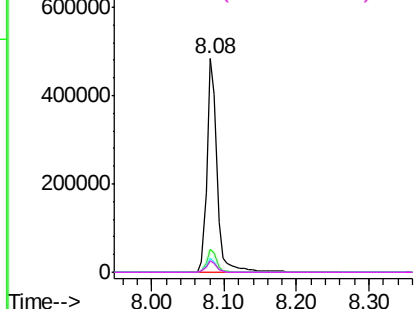
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.08 min Scan# 1019
Delta R.T. -0.01 min
Lab File: BF104818.D
Acq: 26 Apr 2018 5:40

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	136	Resp:	472420
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.9	13.3
54	6.8	6.6	9.8
68	5.5	5.0	7.4

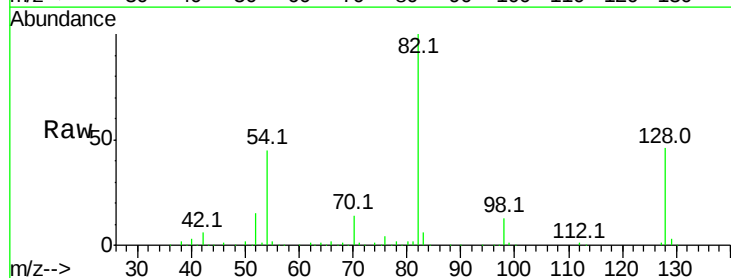


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

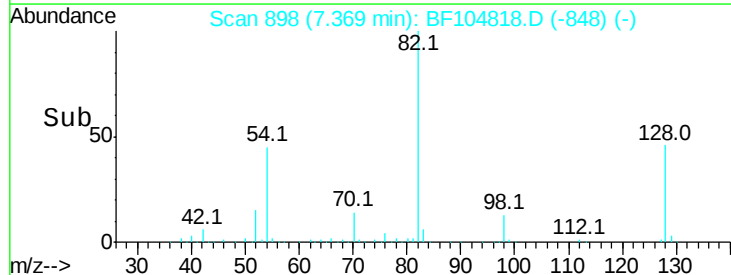
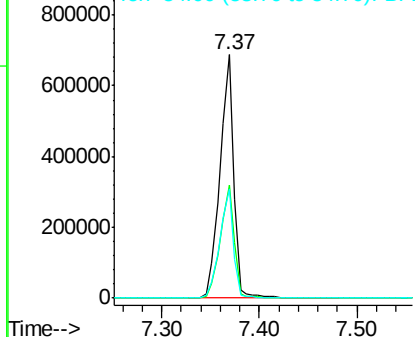


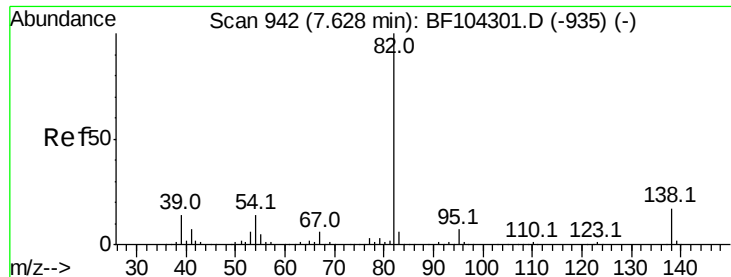
#23
Nitrobenzene-d5
Concen: 94.055 ng
RT: 7.37 min Scan# 898
Delta R.T. -0.01 min
Lab File: BF104818.D
Acq: 26 Apr 2018 5:40

Tgt Ion:	82	Resp:	680472
Ion	Ratio	Lower	Upper
82	100		
128	46.4	36.1	54.1
54	44.8	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: 44.483 ng

RT: 7.37 min Scan# 898

Delta R.T. -0.26 min

Lab File: BF104818.D

Acq: 26 Apr 2018 5:40

Instrument :

BNA_F

ClientSampled :

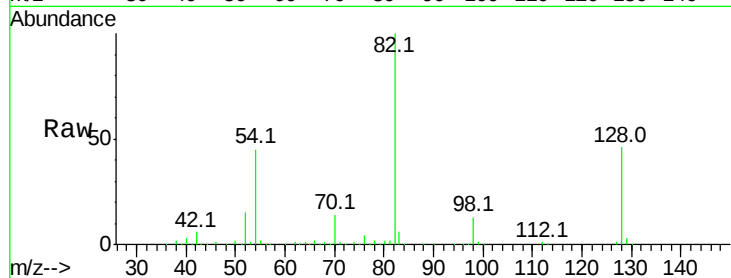
Tot Ion: 82 Resp: 680540

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

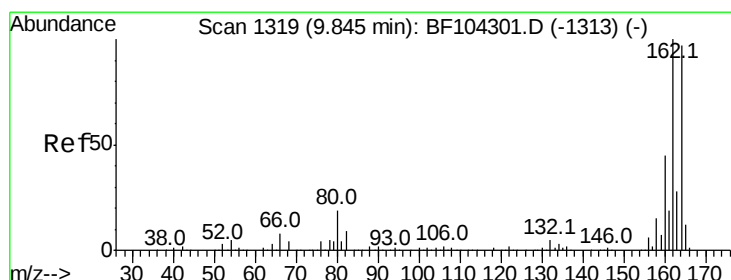
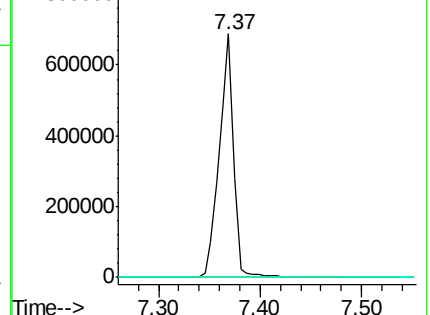
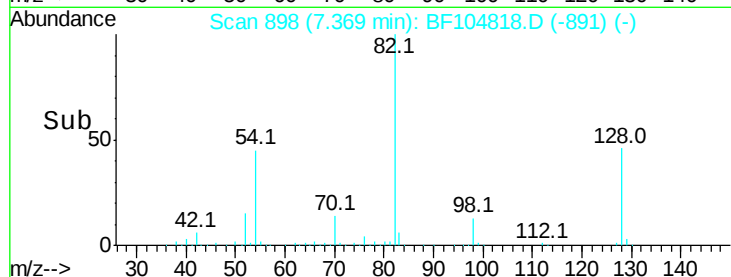
138 0.0 14.9 22.3#



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: BF104818.D

Acq: 26 Apr 2018 5:40

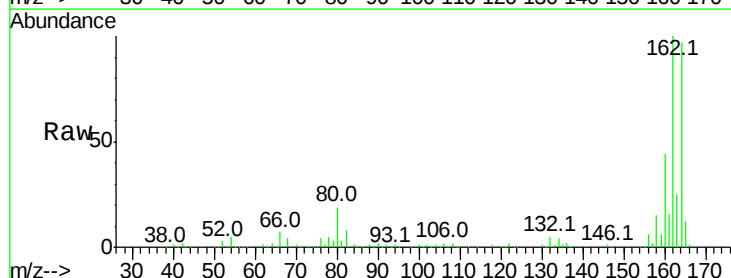
Tgt Ion:164 Resp: 198398

Ion Ratio Lower Upper

164 100

162 103.4 86.1 129.1

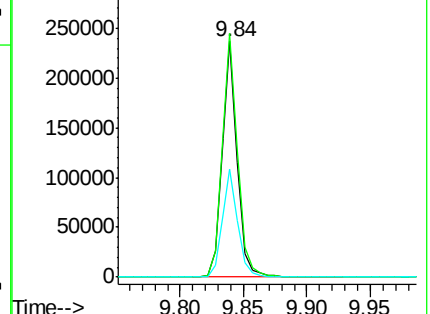
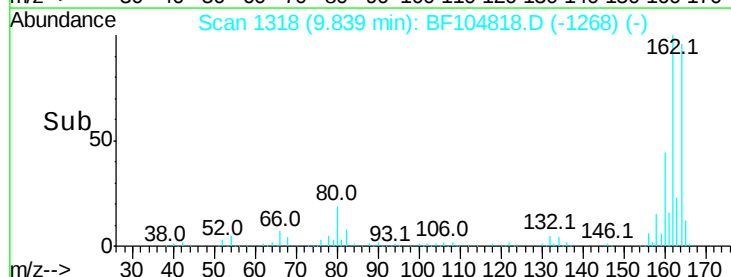
160 45.7 38.3 57.5



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

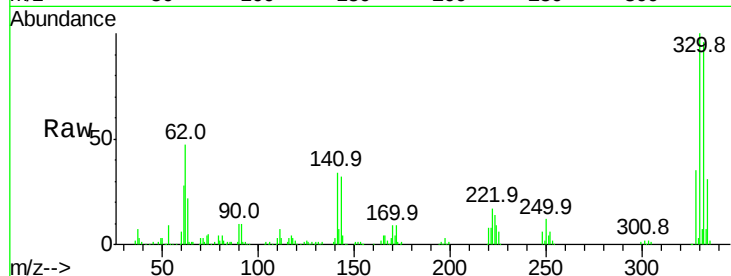




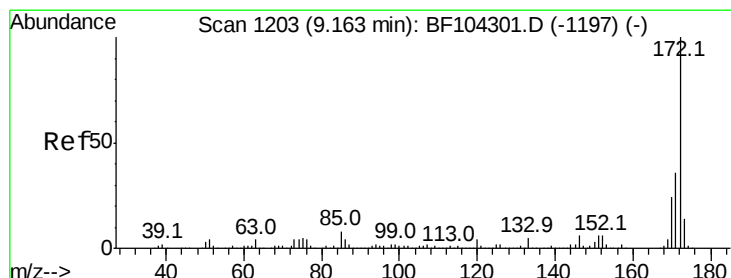
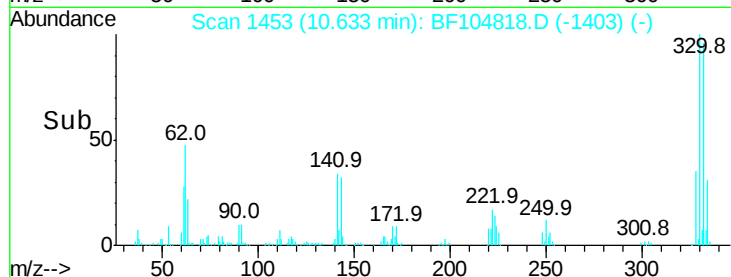
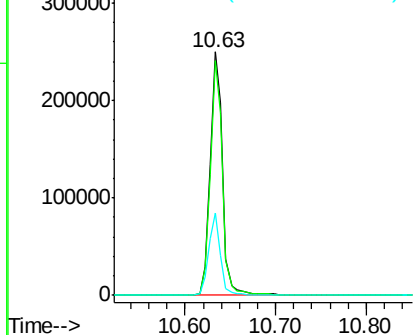
#41
 2,4,6-Tribromophenol
 Concen: 117.634 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. -0.01 min
 Lab File: BF104818.D
 Acq: 26 Apr 2018 5:40

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	94.9	77.0	115.6
141	32.2	29.9	44.9

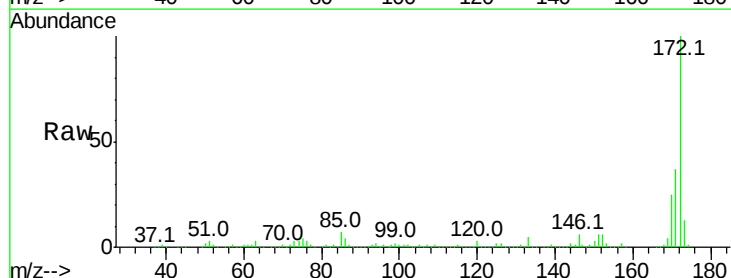


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

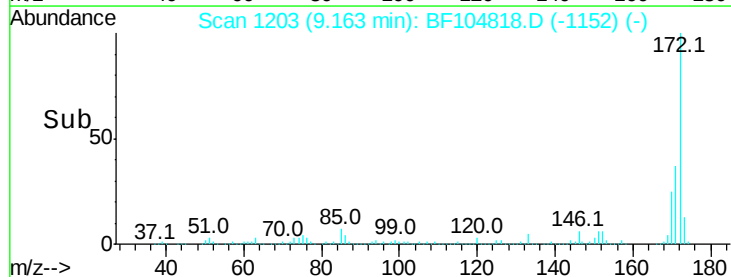
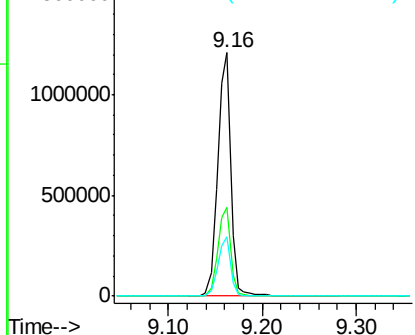


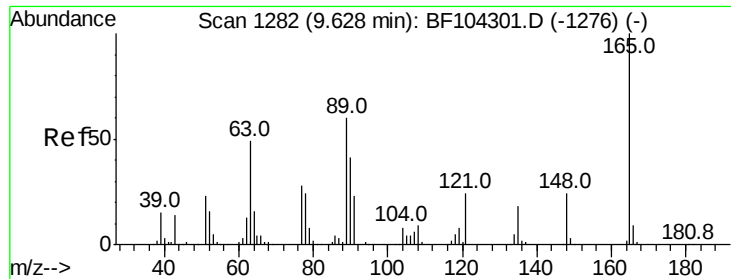
#44
 2-Fluorobiphenyl
 Concen: 93.934 ng
 RT: 9.16 min Scan# 1203
 Delta R.T. -0.00 min
 Lab File: BF104818.D
 Acq: 26 Apr 2018 5:40

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.7	29.7	44.5
170	24.5	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: 8.660 ng

RT: 9.84 min Scan# 1318

Delta R.T. 0.21 min

Lab File: BF104818.D

Acq: 26 Apr 2018 5:40

Instrument :

BNA_F

ClientSampleId :

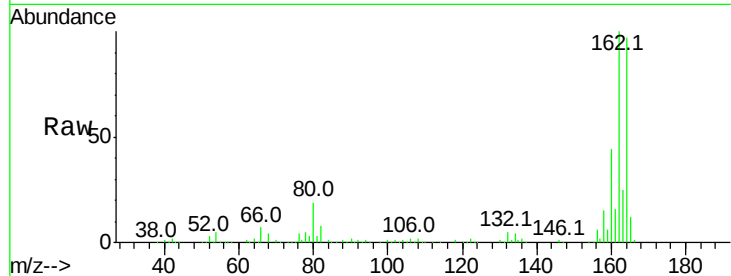
Tot Ion:165 Resp: 25070

Ion Ratio Lower Upper

165 100

63 1.1 44.7 67.1#

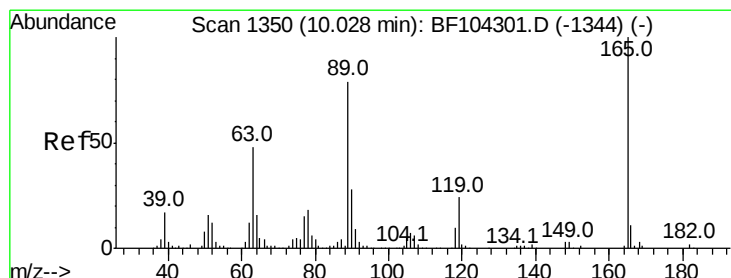
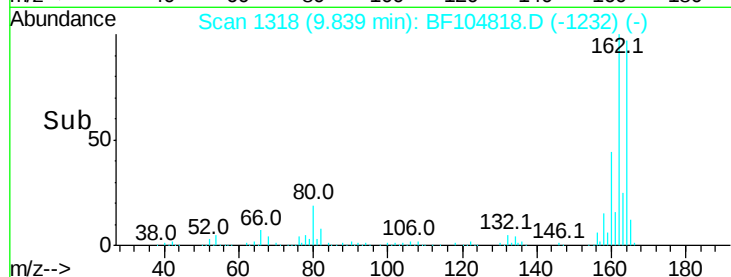
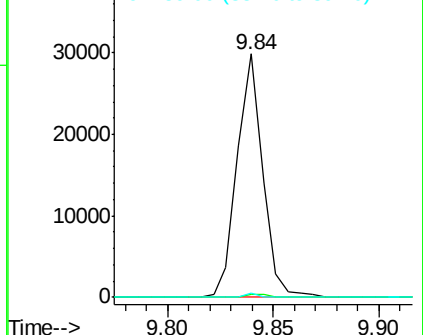
89 1.7 44.0 66.0#



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



#56

2,4-Dinitrotoluene

Concen: 6.602 ng

RT: 9.84 min Scan# 1318

Delta R.T. -0.20 min

Lab File: BF104818.D

Acq: 26 Apr 2018 5:40

Tgt Ion:165 Resp: 25070

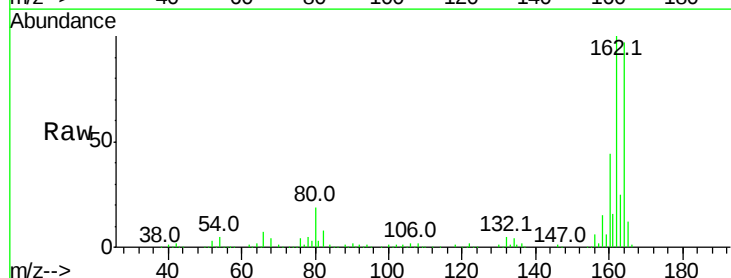
Ion Ratio Lower Upper

165 100

63 1.1 36.4 54.6#

89 1.7 57.8 86.6#

182 0.0 1.6 2.4#

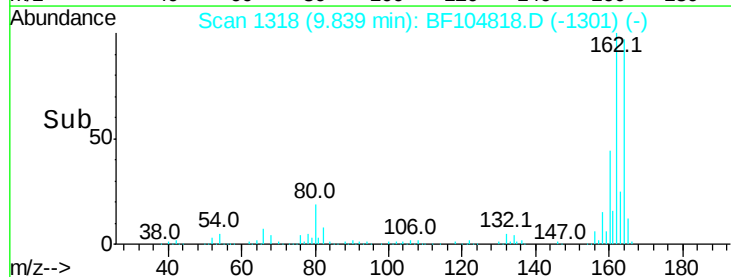
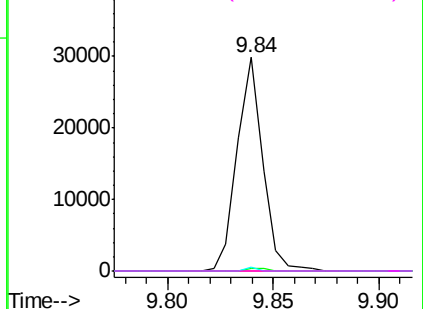


Abundance Ion 165.00 (164.70 to 165.70): E

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

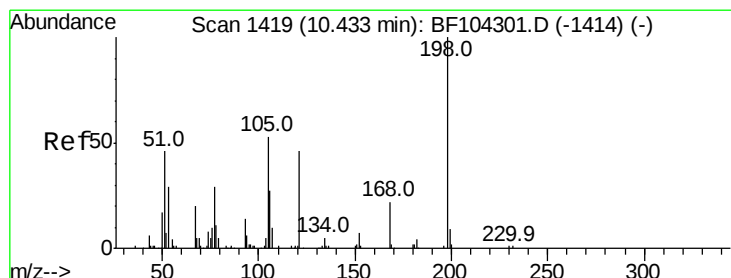
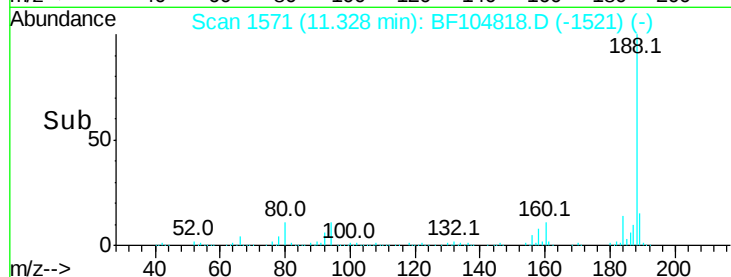
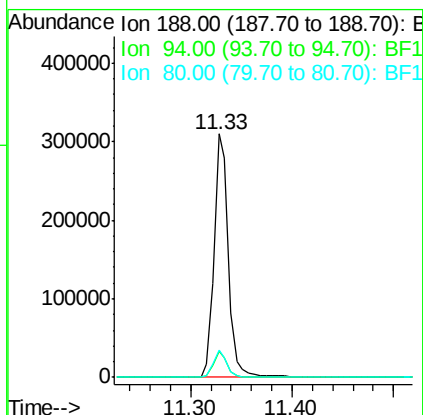
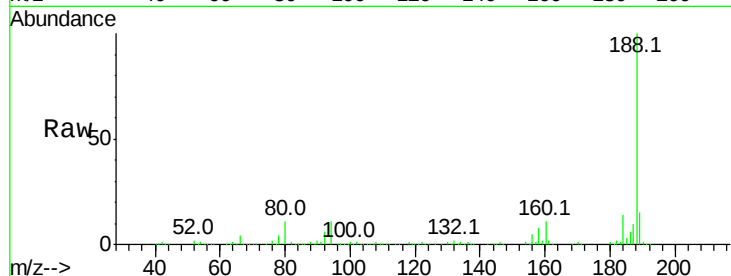




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.33 min Scan# 1571
Delta R.T. -0.01 min
Lab File: BF104818.D
Acq: 26 Apr 2018 5:40

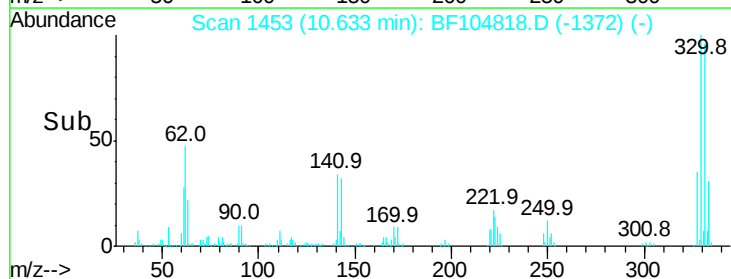
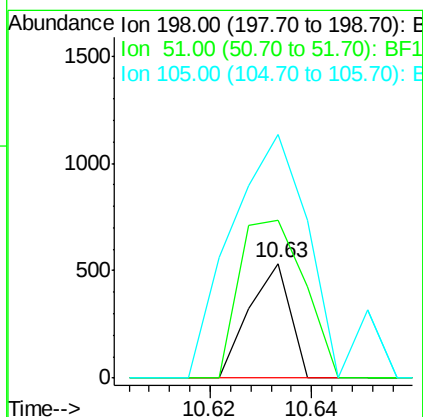
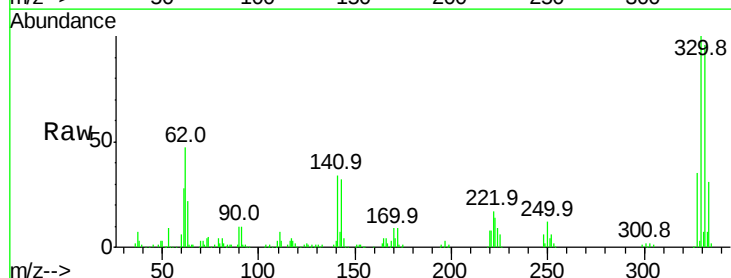
Instrument :
BNA_F
ClientSampleId :

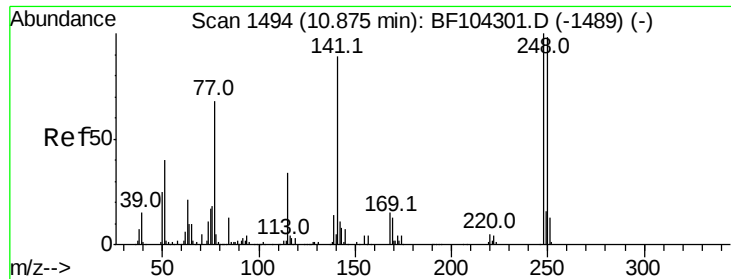
Tot Ion:188 Resp: 303832
Ion Ratio Lower Upper
188 100
94 10.9 8.5 12.7
80 11.3 9.2 13.8



#64
4,6-Dinitro-2-methylphenol
Concen: 7.520 ng
RT: 10.63 min Scan# 1453
Delta R.T. 0.18 min
Lab File: BF104818.D
Acq: 26 Apr 2018 5:40

Tgt Ion:198 Resp: 303
Ion Ratio Lower Upper
198 100
51 137.4 37.7 77.7#
105 212.0 36.3 76.3#

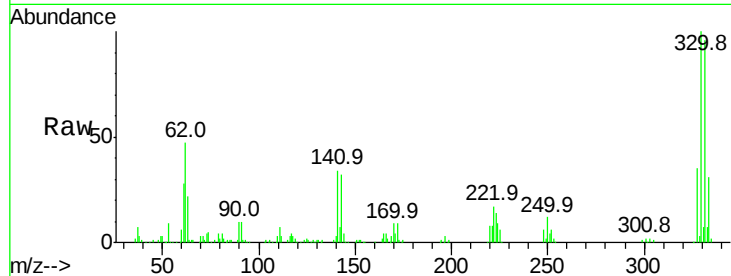




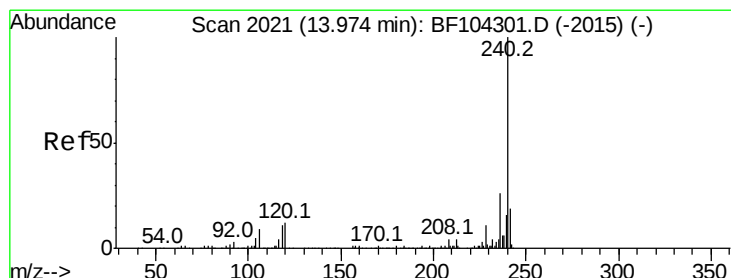
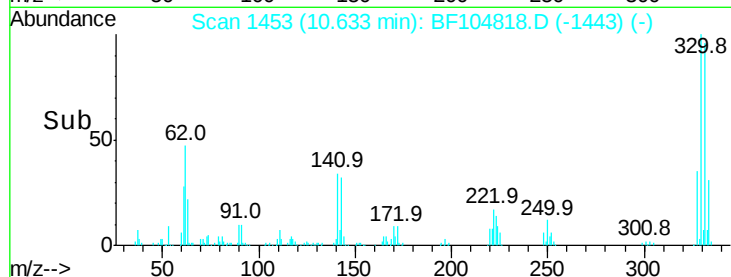
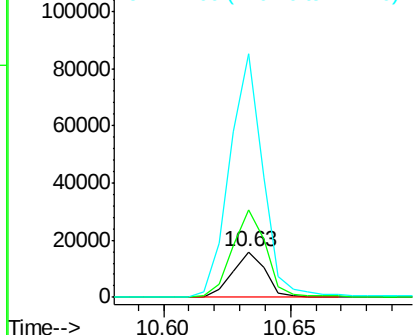
#66
 4-Bromophenyl-phenylether
 Concen: 4.452 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. -0.24 min
 Lab File: BF104818.D
 Acq: 26 Apr 2018 5:40

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:248 Resp: 14389
 Ion Ratio Lower Upper
 248 100
 250 192.4 76.9 115.3#
 141 535.9 74.4 111.6#

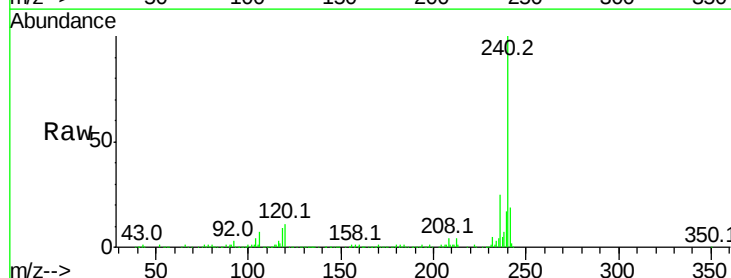


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

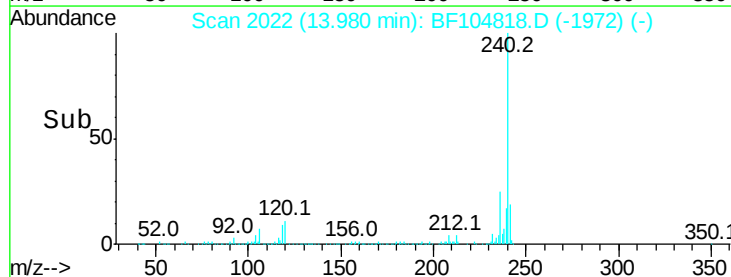
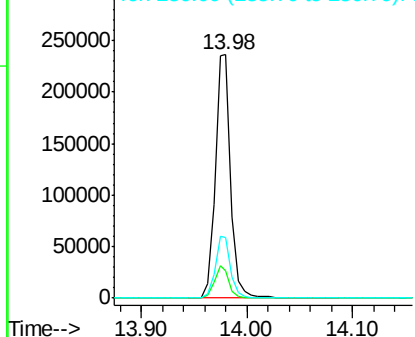


#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.98 min Scan# 2022
 Delta R.T. -0.01 min
 Lab File: BF104818.D
 Acq: 26 Apr 2018 5:40

Tgt Ion:240 Resp: 244162
 Ion Ratio Lower Upper
 240 100
 120 11.0 9.5 14.3
 236 24.9 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: 81.251 ng

RT: 12.92 min Scan# 1842

Delta R.T. -0.00 min

Lab File: BF104818.D

Acq: 26 Apr 2018 5:40

Instrument :

BNA_F

ClientSampled :

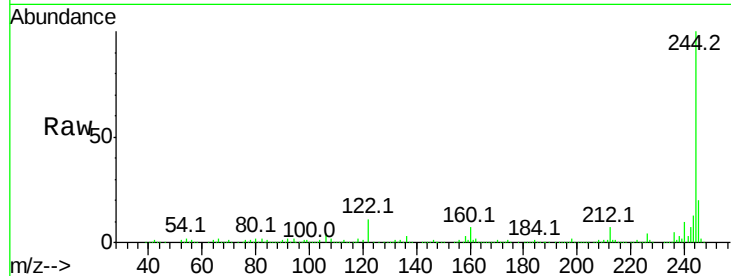
Tot Ion:244 Resp: 870174

Ion Ratio Lower Upper

244 100

212 7.0 5.4 8.0

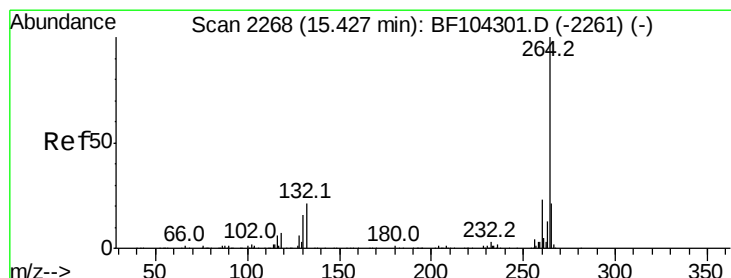
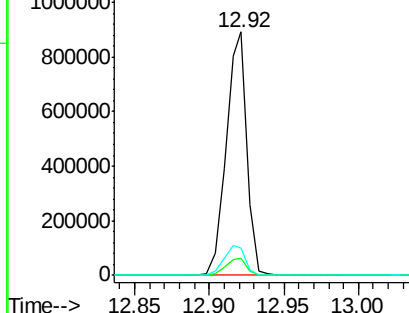
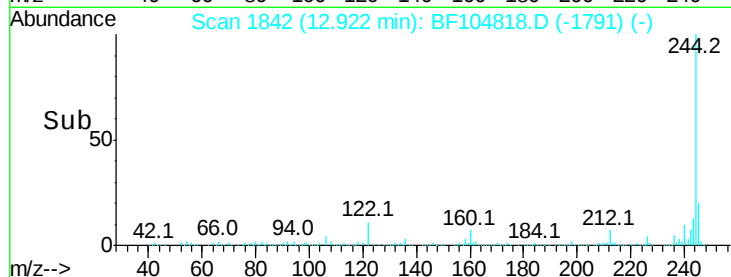
122 11.1 11.0 16.4



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

Perylene-d12

Concen: 20.000 ng

RT: 15.44 min Scan# 2271

Delta R.T. -0.02 min

Lab File: BF104818.D

Acq: 26 Apr 2018 5:40

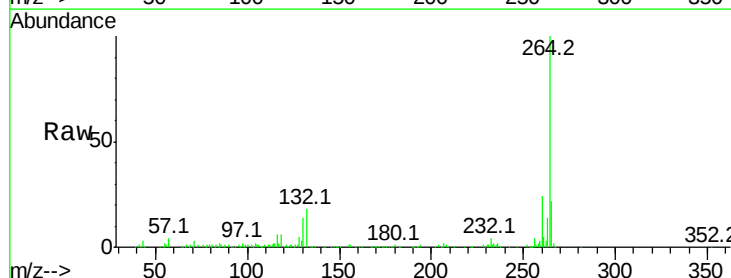
Tgt Ion:264 Resp: 184512

Ion Ratio Lower Upper

264 100

260 23.7 19.2 28.8

265 22.1 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

