

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041018\
 Data File : BF104418.D
 Acq On : 10 Apr 2018 19:26
 Operator : JU/SJ
 Sample : PB108119BL
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 11 00:55:38 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 10 12:04:31 2018
 Response via : Initial Calibration

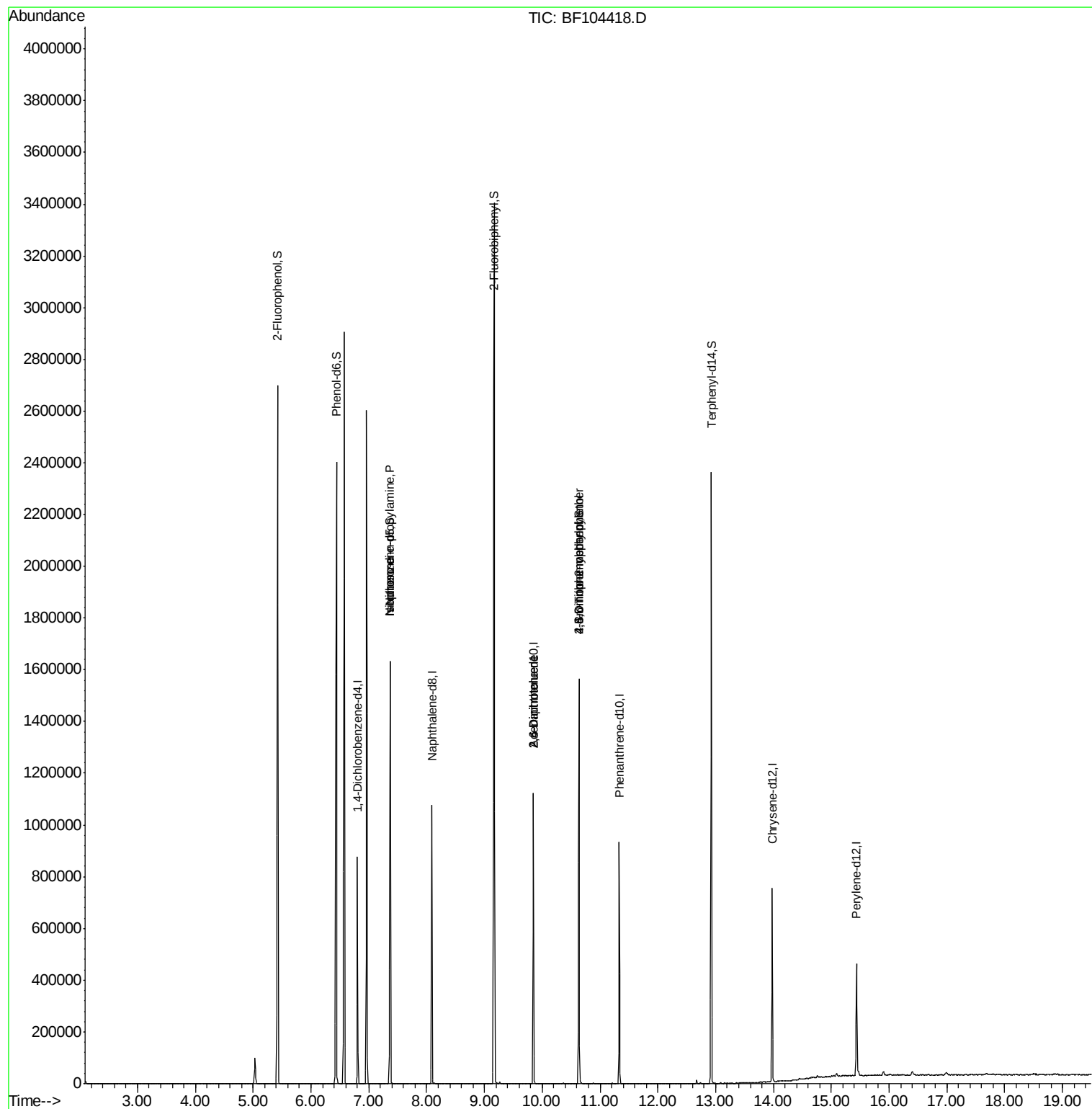
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	123544	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	488742	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	201478	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	299679	20.00	ng	0.00
75) Chrysene-d12	13.97	240	254883	20.00	ng	-0.01
86) Perylene-d12	15.44	264	188918	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	833991	103.22	ng	0.01
7) Phenol-d6	6.44	99	1006953	101.43	ng	0.00
23) Nitrobenzene-d5	7.37	82	614252	82.07	ng	0.00
41) 2,4,6-Tribromophenol	10.63	330	184056	88.07	ng	0.00
44) 2-Fluorobiphenyl	9.17	172	1039500	81.51	ng	0.00
78) Terphenyl-d14	12.92	244	790797	70.73	ng	0.00
Target Compounds						
9) Benzaldehyde	6.43	77	1447	Below Cal	Qvalue # 1	
19) n-Nitroso-di-n-propylamine	7.37	70	81268	12.528 ng	# 73	
25) Isophorone	7.37	82	612989	38.729 ng	# 64	
50) 2,6-Dinitrotoluene	9.85	165	25463	8.661 ng	# 26	
56) 2,4-Dinitrotoluene	9.85	165	25463	6.603 ng	# 23	
64) 4,6-Dinitro-2-methylphenol	10.63	198	455	7.611 ng	# 1	
66) 4-Bromophenyl-phenylether	10.63	248	11180	3.507 ng	# 1	
76) Benzidine	12.67	184	6385	Below Cal	97	

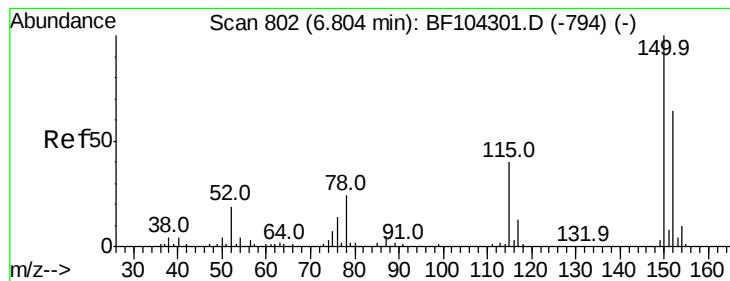
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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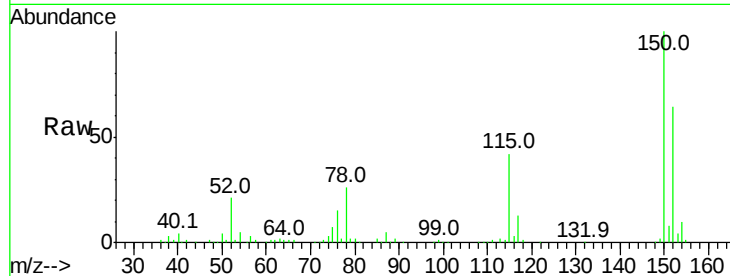


#1

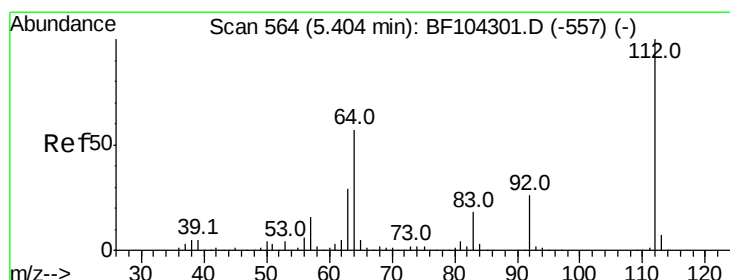
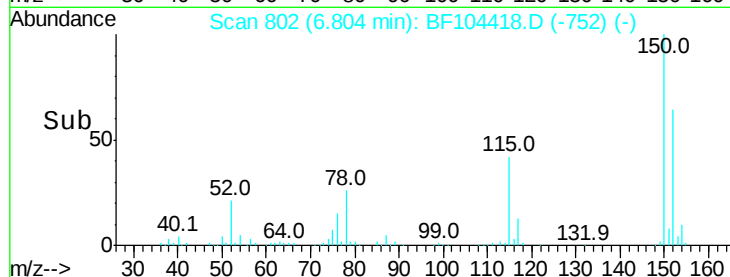
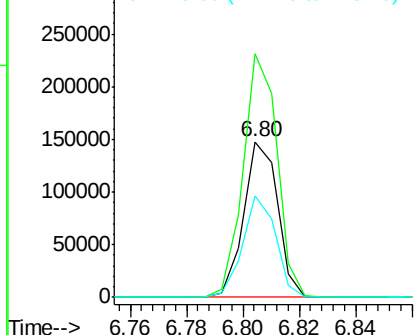
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 802
Delta R.T. -0.01 min
Lab File: BF104418.D
Acq: 10 Apr 2018 19:26

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 123544
Ion Ratio Lower Upper
152 100
150 156.8 124.6 186.8
115 65.4 50.1 75.1



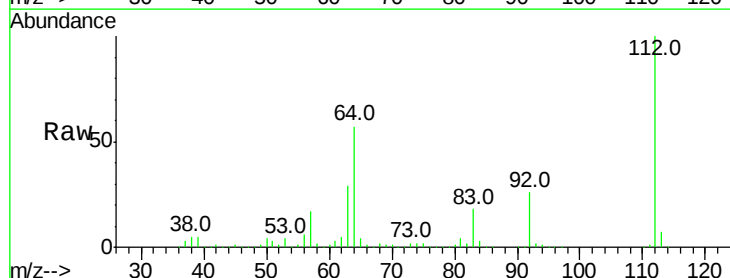
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



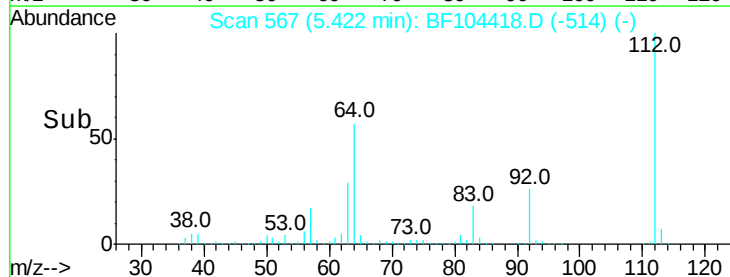
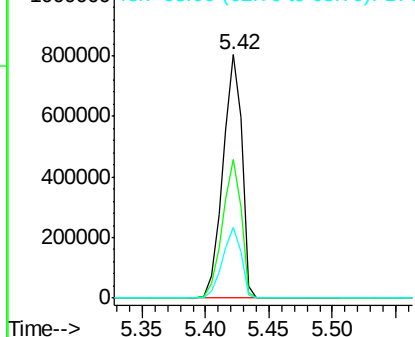
#5

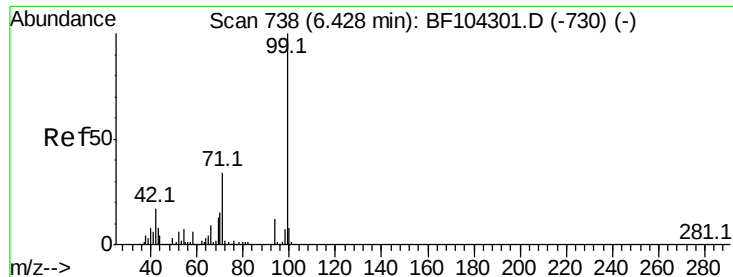
2-Fluorophenol
Concen: 103.220 ng
RT: 5.42 min Scan# 567
Delta R.T. 0.01 min
Lab File: BF104418.D
Acq: 10 Apr 2018 19:26

Tgt Ion:112 Resp: 833991
Ion Ratio Lower Upper
112 100
64 57.0 47.9 71.9
63 29.1 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: 101.432 ng

RT: 6.44 min Scan# 740

Delta R.T. 0.00 min

Lab File: BF104418.D

Acq: 10 Apr 2018 19:26

Instrument :

BNA_F

ClientSampleId :

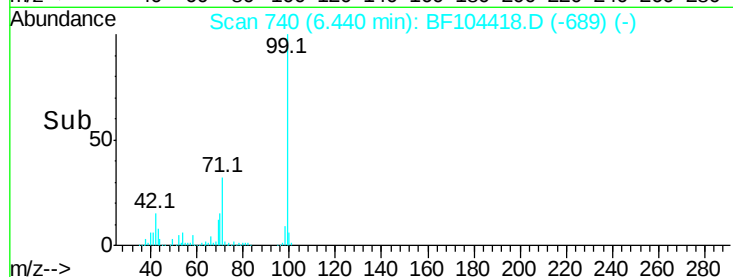
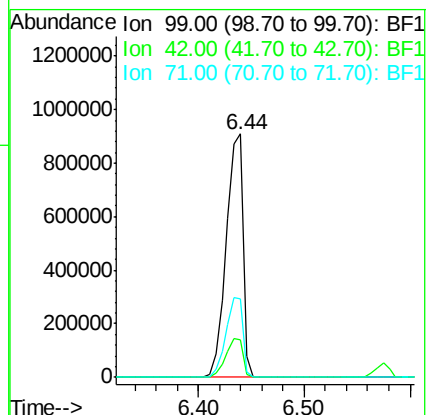
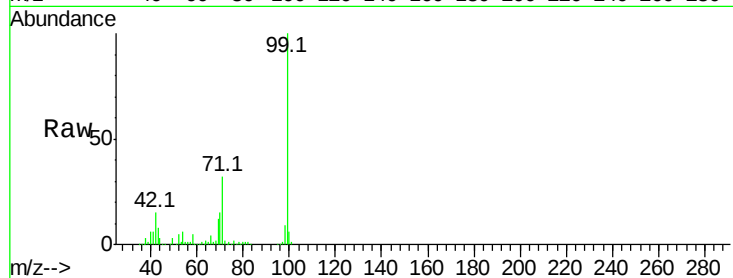
Tot Ion: 99 Resp: 1006953

Ion Ratio Lower Upper

99 100

42 15.5 14.5 21.7

71 32.3 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 12.528 ng

RT: 7.37 min Scan# 898

Delta R.T. 0.14 min

Lab File: BF104418.D

Acq: 10 Apr 2018 19:26

Tgt Ion: 70 Resp: 81268

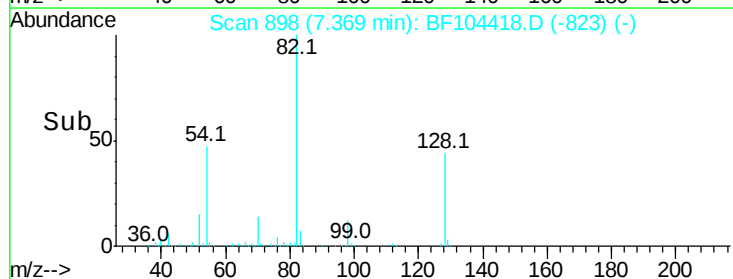
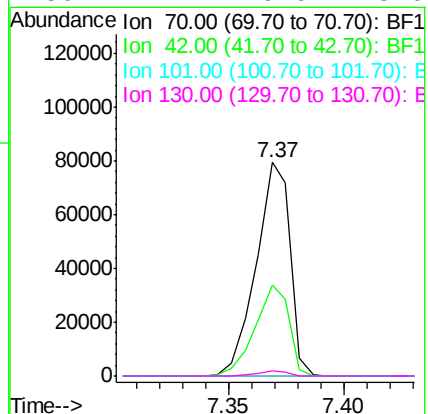
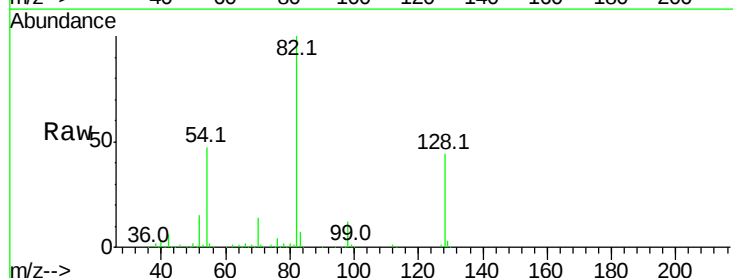
Ion Ratio Lower Upper

70 100

42 42.6 47.5 71.3#

101 0.0 7.4 11.2#

130 2.4 16.6 25.0#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.09 min Scan# 1021

Delta R.T. 0.00 min

Lab File: BF104418.D

Acq: 10 Apr 2018 19:26

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 488742

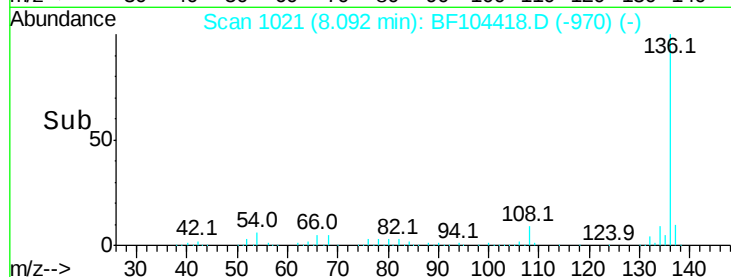
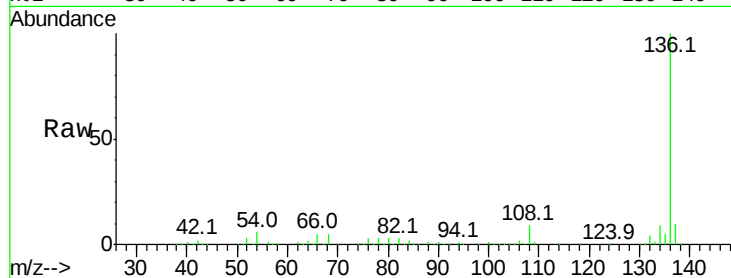
Ion Ratio Lower Upper

136 100

137 10.5 8.9 13.3

54 6.5 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

800000

600000

400000

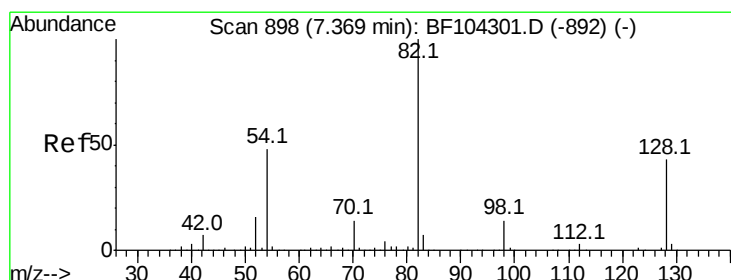
200000

0

8.05

8.10

Time-->



#23

Nitrobenzene-d5

Concen: 82.067 ng

RT: 7.37 min Scan# 898

Delta R.T. -0.01 min

Lab File: BF104418.D

Acq: 10 Apr 2018 19:26

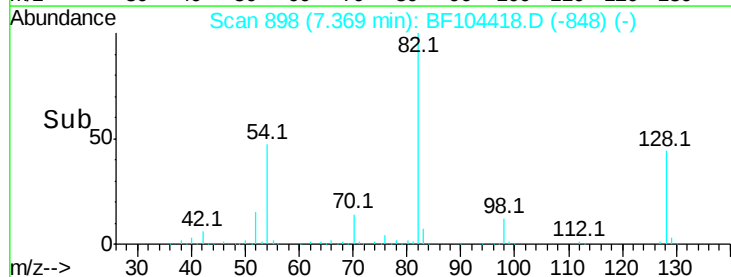
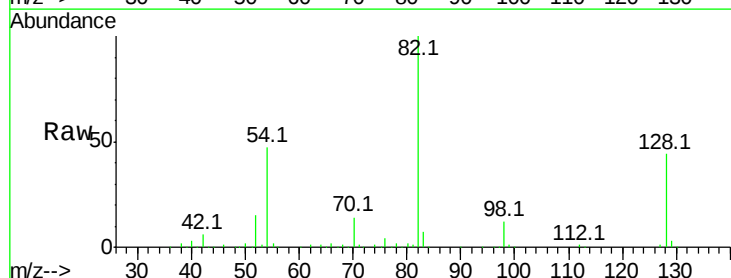
Tgt Ion: 82 Resp: 614252

Ion Ratio Lower Upper

82 100

128 44.4 36.1 54.1

54 46.7 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

800000

600000

400000

200000

0

7.30

7.35

7.40

7.45

Time-->



#25

Isophorone

Concen: 38.729 ng

RT: 7.37 min Scan# 898

Delta R.T. -0.26 min

Lab File: BF104418.D

Acq: 10 Apr 2018 19:26

Instrument :

BNA_F

ClientSampleId :

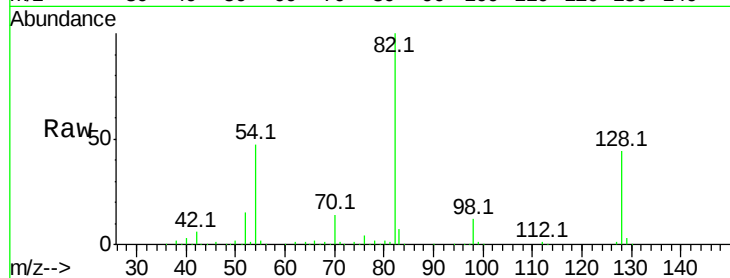
Tot Ion: 82 Resp: 612989

Ion Ratio Lower Upper

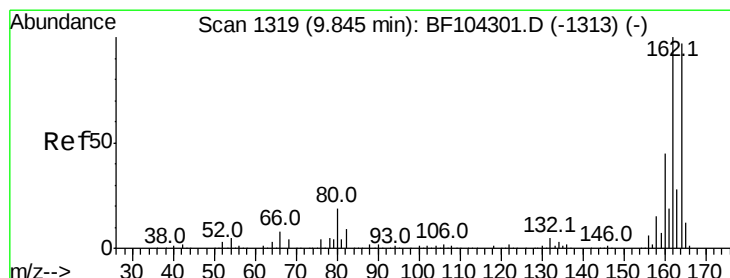
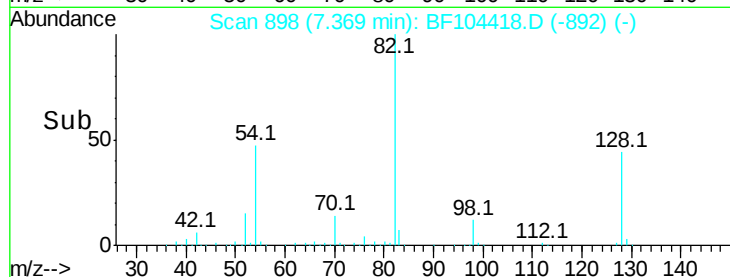
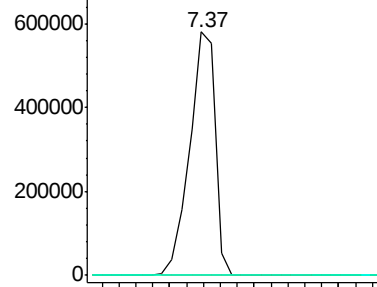
82 100

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: 9.85 min Scan# 1319

Delta R.T. -0.01 min

Lab File: BF104418.D

Acq: 10 Apr 2018 19:26

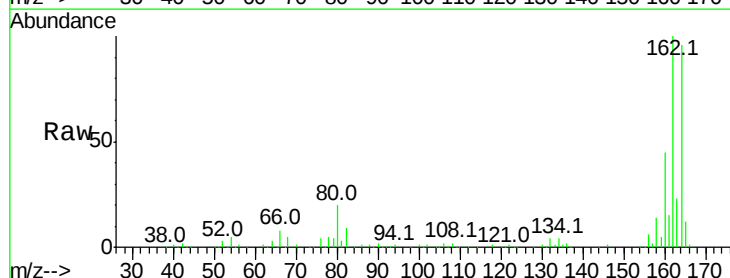
Tgt Ion: 164 Resp: 201478

Ion Ratio Lower Upper

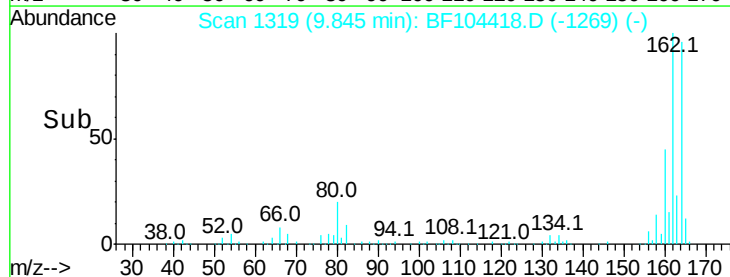
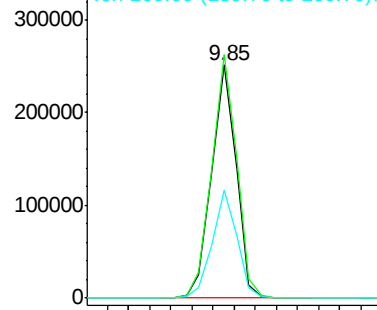
164 100

162 104.4 86.1 129.1

160 46.5 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

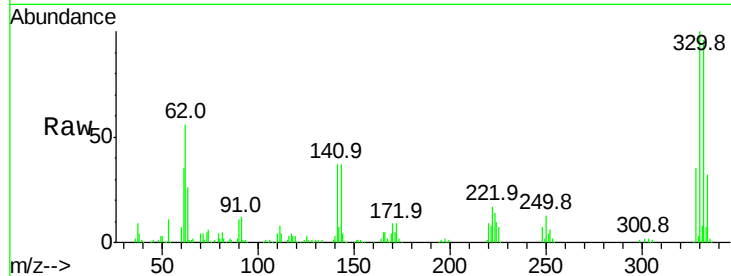




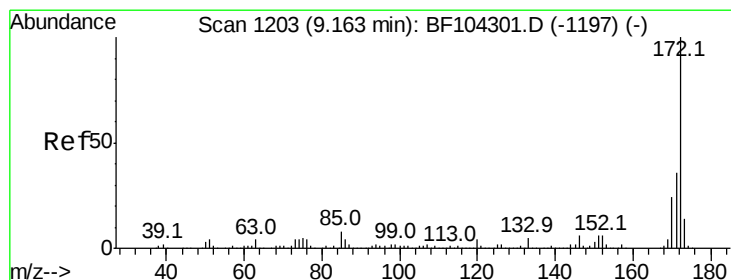
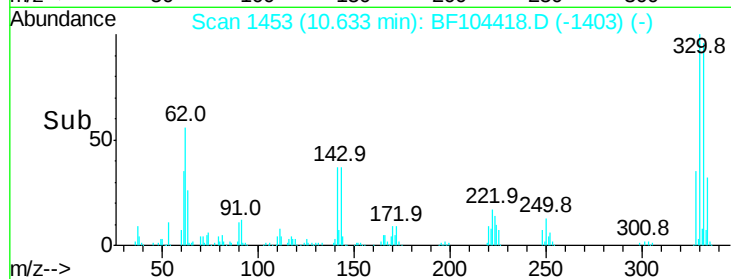
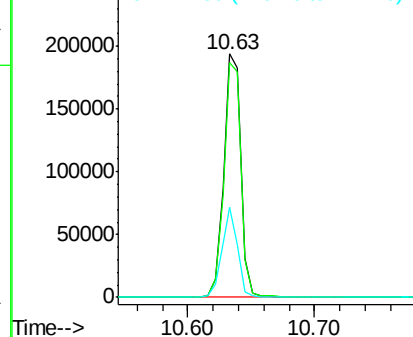
#41
 2,4,6-Tribromophenol
 Concen: 88.066 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. -0.01 min
 Lab File: BF104418.D
 Acq: 10 Apr 2018 19:26

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.4	77.0	115.6
141	33.6	29.9	44.9

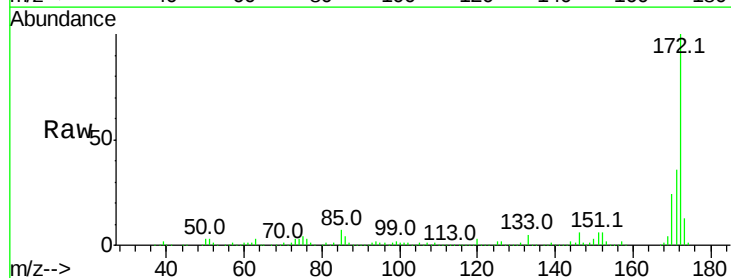


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

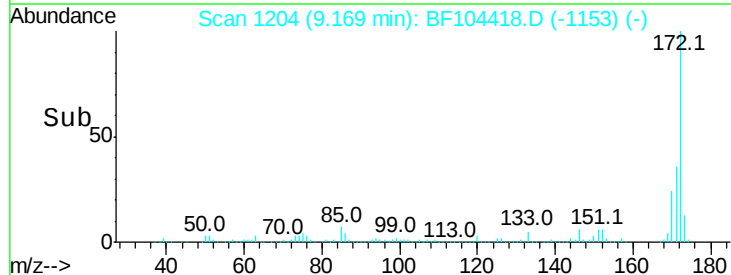
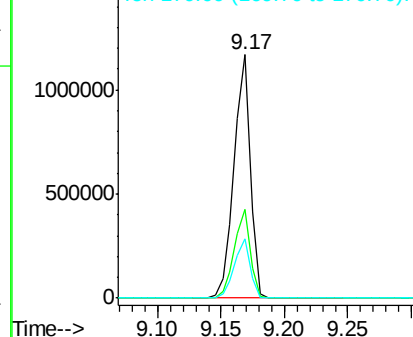


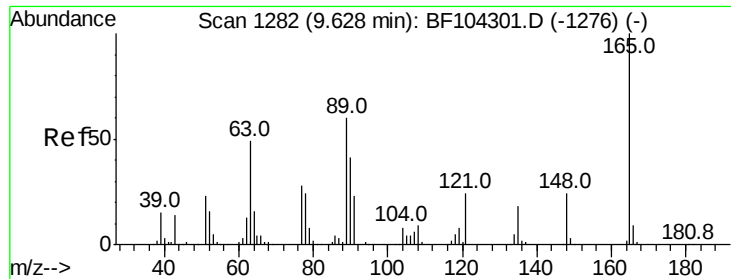
#44
 2-Fluorobiphenyl
 Concen: 81.505 ng
 RT: 9.17 min Scan# 1204
 Delta R.T. 0.00 min
 Lab File: BF104418.D
 Acq: 10 Apr 2018 19:26

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.5	29.7	44.5
170	24.1	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: 8.661 ng

RT: 9.85 min Scan# 1319

Delta R.T. 0.21 min

Lab File: BF104418.D

Acq: 10 Apr 2018 19:26

Instrument :

BNA_F

ClientSampleId :

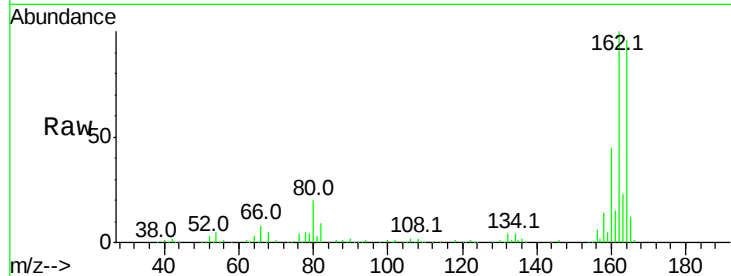
Tot Ion:165 Resp: 25463

Ion Ratio Lower Upper

165 100

63 1.3 44.7 67.1#

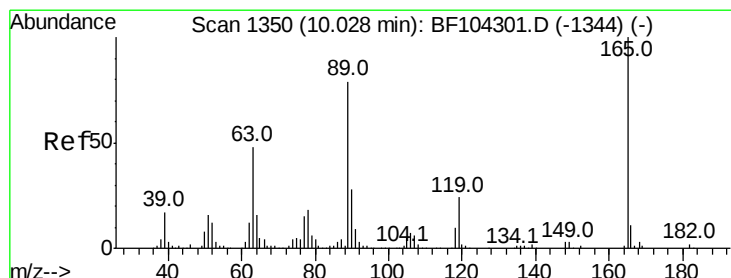
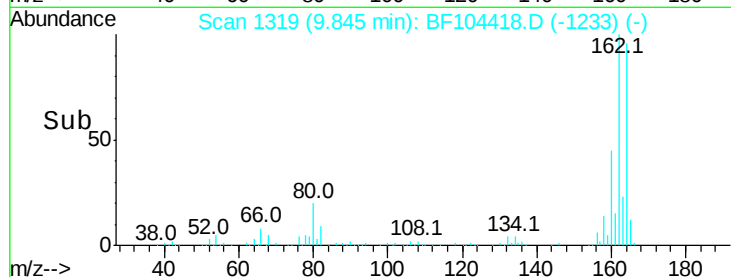
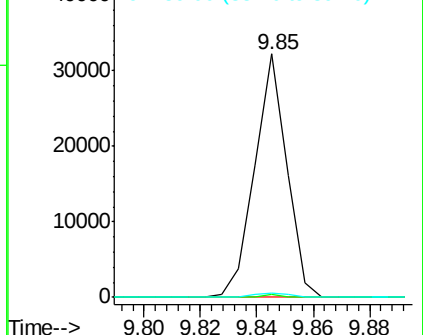
89 1.6 44.0 66.0#



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: 6.603 ng

RT: 9.85 min Scan# 1319

Delta R.T. -0.19 min

Lab File: BF104418.D

Acq: 10 Apr 2018 19:26

Tgt Ion:165 Resp: 25463

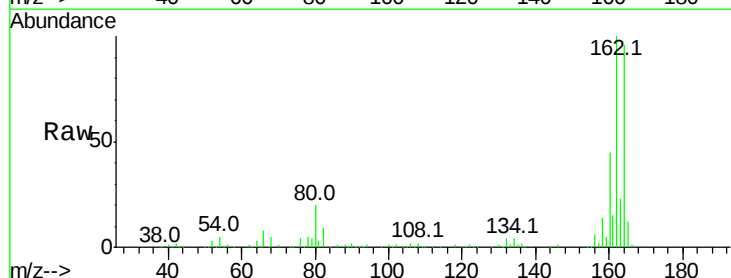
Ion Ratio Lower Upper

165 100

63 1.3 36.4 54.6#

89 1.6 57.8 86.6#

182 0.0 1.6 2.4#

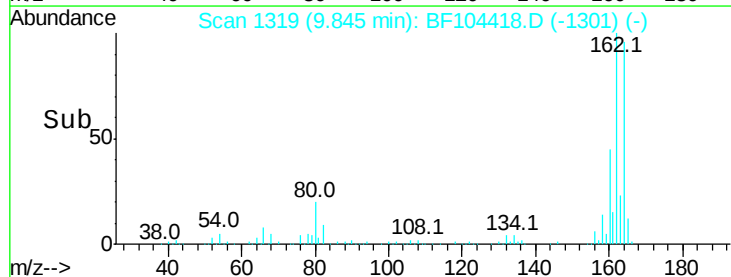
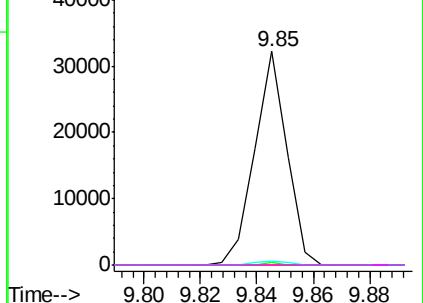


Abundance Ion 165.00 (164.70 to 165.70): E

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

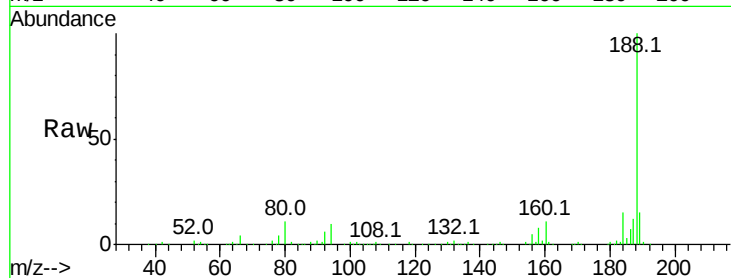




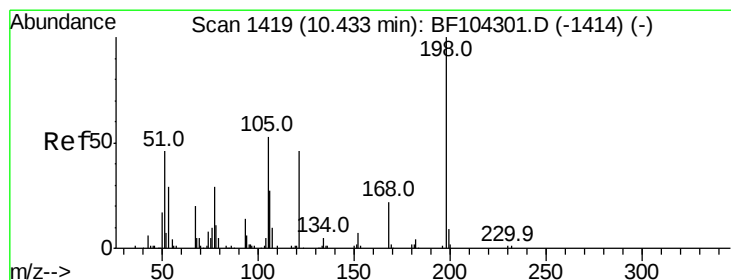
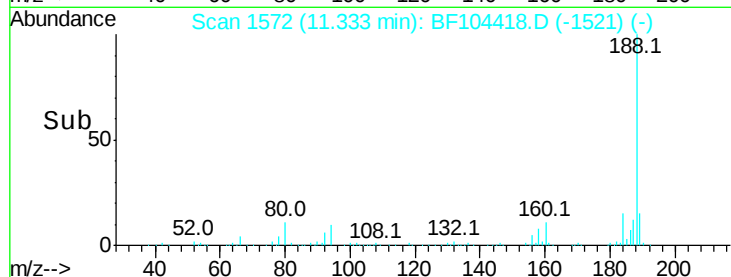
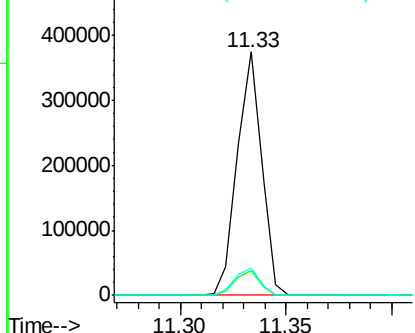
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.33 min Scan# 1572
Delta R.T. 0.00 min
Lab File: BF104418.D
Acq: 10 Apr 2018 19:26

Instrument :
BNA_F
ClientSampled :

Tot Ion:188 Resp: 299679
Ion Ratio Lower Upper
188 100
94 10.4 8.5 12.7
80 11.2 9.2 13.8

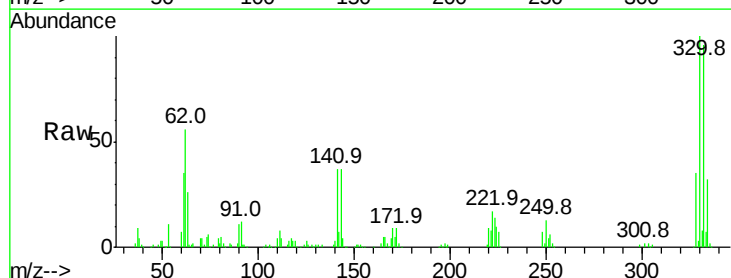


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

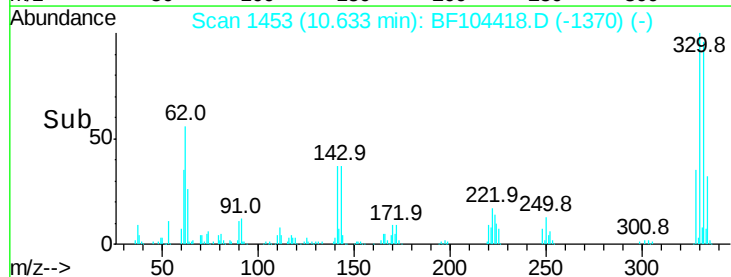
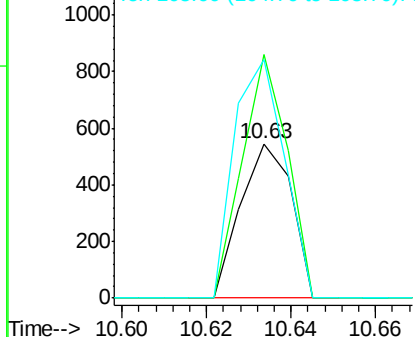


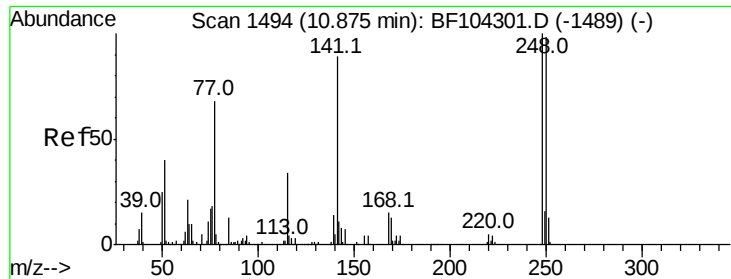
#64
4,6-Dinitro-2-methylphenol
Concen: 7.611 ng
RT: 10.63 min Scan# 1453
Delta R.T. 0.19 min
Lab File: BF104418.D
Acq: 10 Apr 2018 19:26

Tgt Ion:198 Resp: 455
Ion Ratio Lower Upper
198 100
51 157.8 37.7 77.7#
105 154.5 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

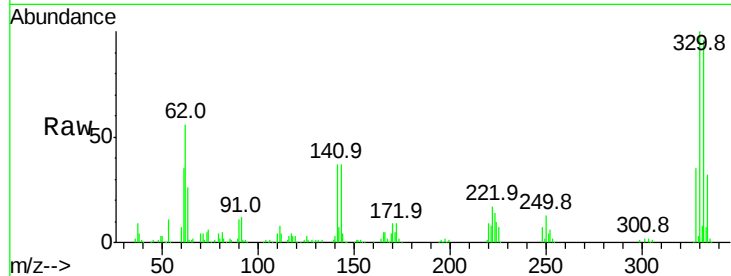




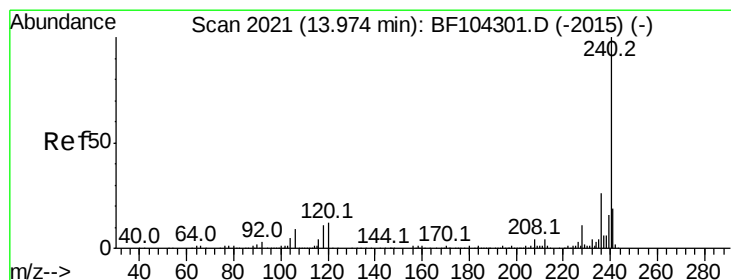
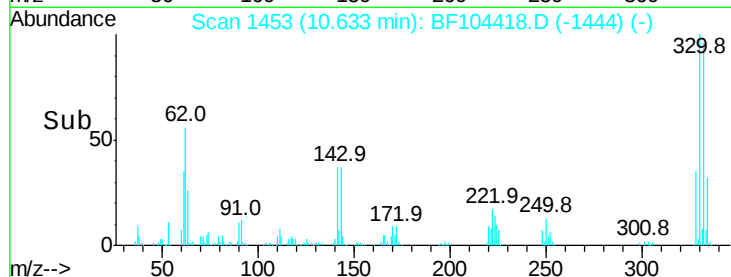
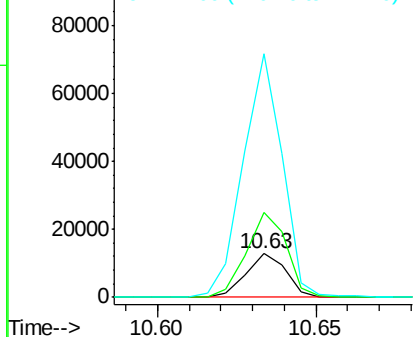
#66
4-Bromophenyl-phenylether
Concen: 3.507 ng
RT: 10.63 min Scan# 1453
Delta R.T. -0.25 min
Lab File: BF104418.D
Acq: 10 Apr 2018 19:26

Instrument :
BNA_F
ClientSampled :

Tot Ion:248 Resp: 11180
Ion Ratio Lower Upper
248 100
250 194.1 76.9 115.3#
141 556.8 74.4 111.6#

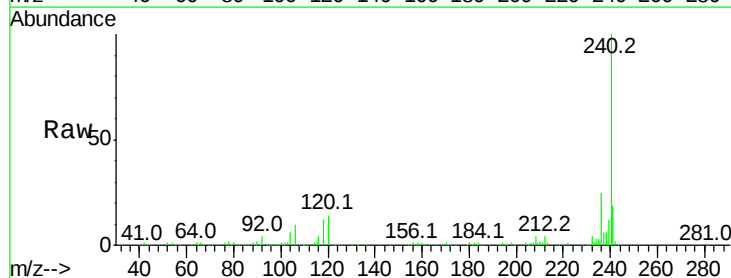


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

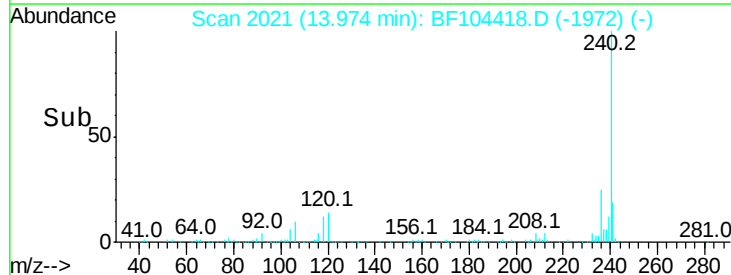
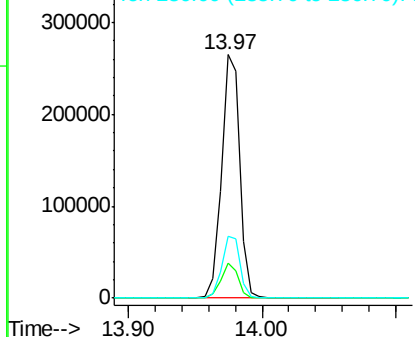


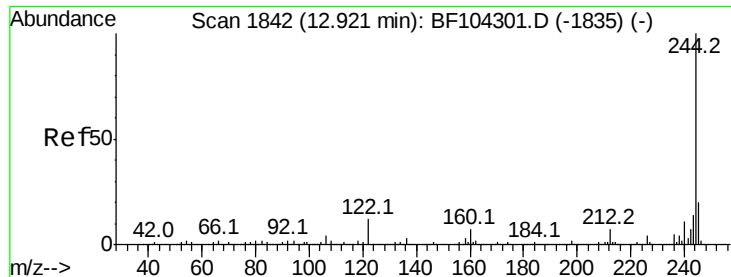
#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.97 min Scan# 2021
Delta R.T. -0.01 min
Lab File: BF104418.D
Acq: 10 Apr 2018 19:26

Tgt Ion:240 Resp: 254883
Ion Ratio Lower Upper
240 100
120 14.3 9.5 14.3
236 25.3 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: 70.734 ng

RT: 12.92 min Scan# 1842

Delta R.T. -0.01 min

Lab File: BF104418.D

Acq: 10 Apr 2018 19:26

Instrument :

BNA_F

ClientSampleId :

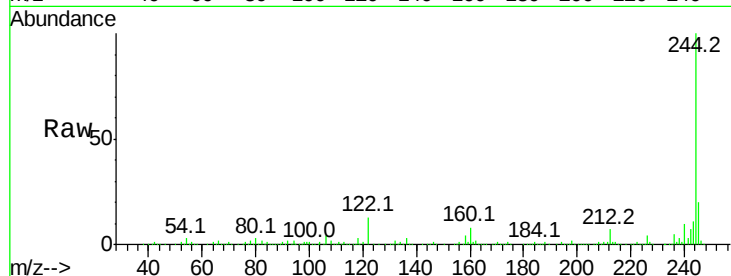
Tot Ion:244 Resp: 790797

Ion Ratio Lower Upper

244 100

212 7.1 5.4 8.0

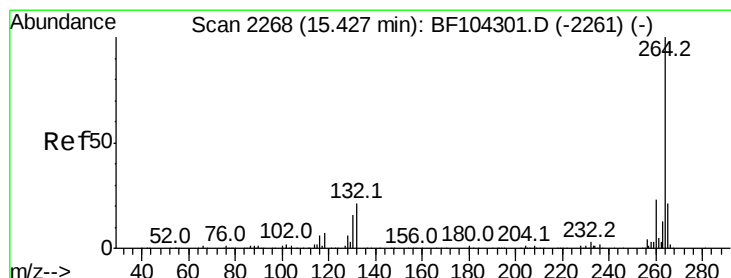
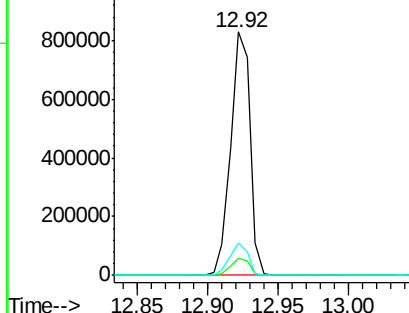
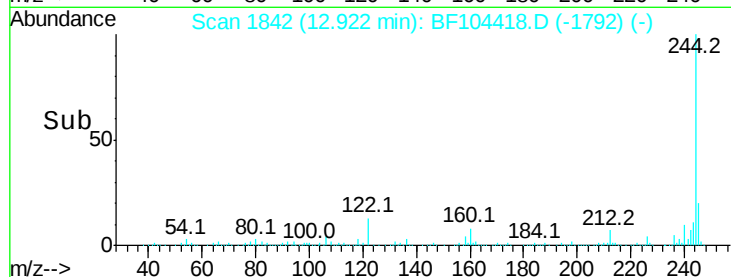
122 13.5 11.0 16.4



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# 2270

Delta R.T. -0.01 min

Lab File: BF104418.D

Acq: 10 Apr 2018 19:26

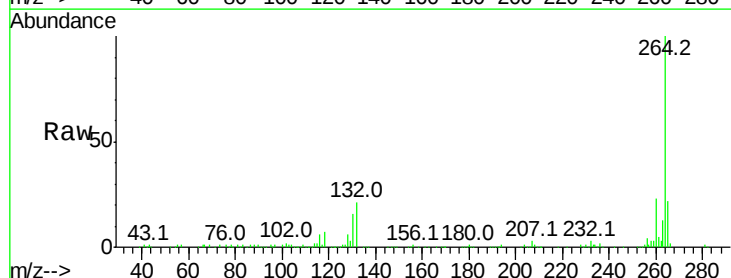
Tgt Ion:264 Resp: 188918

Ion Ratio Lower Upper

264 100

260 22.7 19.2 28.8

265 21.5 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

