

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042618\
 Data File : BF104839.D
 Acq On : 26 Apr 2018 16:14
 Operator : JU/SJ
 Sample : J2525-06
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 27 07:33:04 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

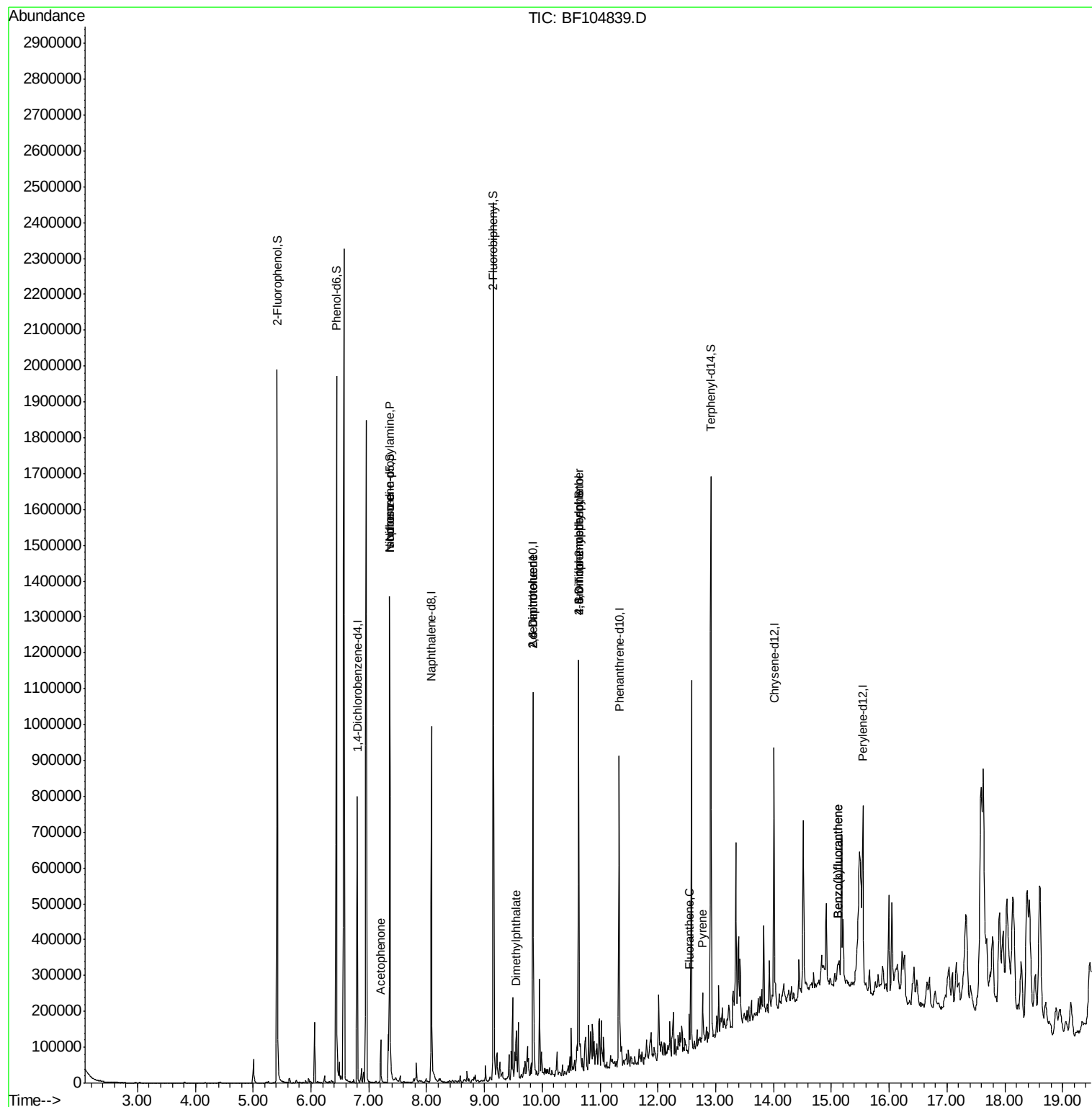
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	114051	20.00	ng	0.00
21) Naphthalene-d8	8.08	136	475054	20.00	ng	0.00
38) Acenaphthene-d10	9.84	164	199138	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	298533	20.00	ng	0.00
75) Chrysene-d12	14.01	240	240570	20.00	ng	0.02
86) Perylene-d12	15.54	264	212914	20.00	ng	0.08
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	593629	79.59	ng	0.00
7) Phenol-d6	6.44	99	717043	78.24	ng	0.00
23) Nitrobenzene-d5	7.36	82	439798	60.45	ng	-0.01
41) 2,4,6-Tribromophenol	10.63	330	153213	74.17	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	748466	59.38	ng	0.00
78) Terphenyl-d14	12.92	244	486016	46.06	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.36	70	56133	9.373	ng	# 73
22) Acetophenone	7.20	105	36096	3.086	ng	# 91
25) Isophorone	7.36	82	439792	28.587	ng	# 64
49) Dimethylphthalate	9.55	163	48229	3.071	ng	# 99
50) 2,6-Dinitrotoluene	9.84	165	25232	8.683	ng	# 27
56) 2,4-Dinitrotoluene	9.84	165	25232	6.620	ng	# 24
64) 4,6-Dinitro-2-methylphenol	10.63	198	252	7.494	ng	# 1
66) 4-Bromophenyl-phenylether	10.63	248	9066	2.855	ng	# 1
74) Fluoranthene	12.54	202	42349	2.438	ng	# 95
76) Benzidine	12.57	184	328	Below Cal		# 1
77) Pyrene	12.77	202	36849	2.066	ng	# 100
87) Benzo(b)fluoranthene	15.11	252	34205	2.544	ng	# 79
88) Benzo(k)fluoranthene	15.11	252	34205	2.694	ng	# 82

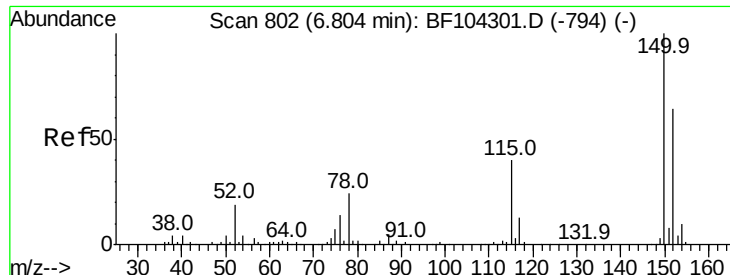
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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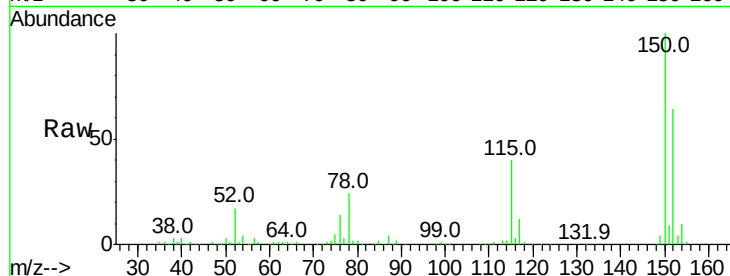


#1

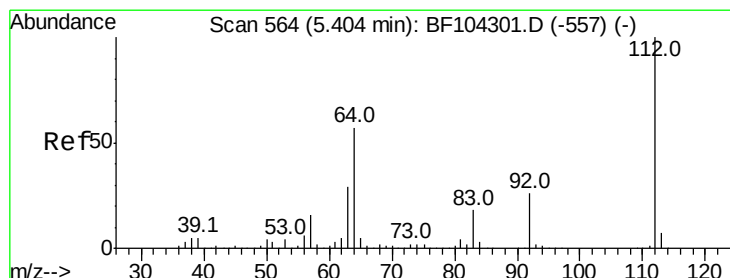
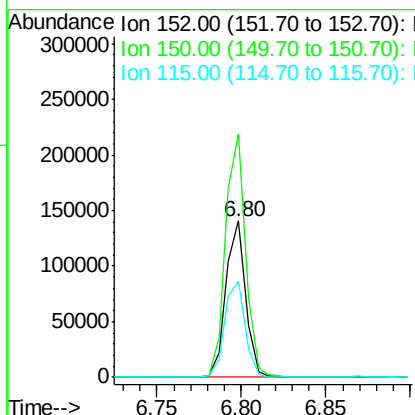
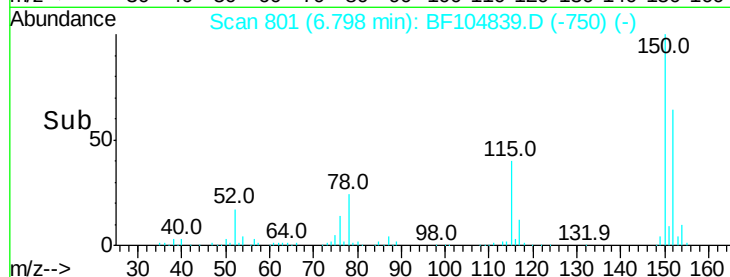
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.80 min Scan# 801
 Delta R.T. -0.00 min
 Lab File: BF104839.D
 Acq: 26 Apr 2018 16:14

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:152 Resp: 114051
 Ion Ratio Lower Upper
 152 100
 150 155.6 124.6 186.8
 115 61.5 50.1 75.1



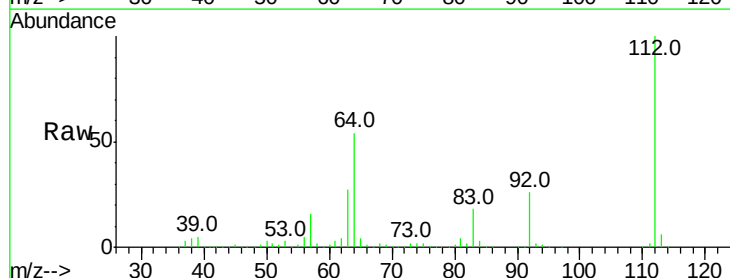
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



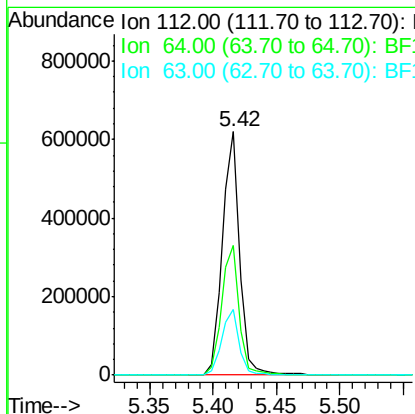
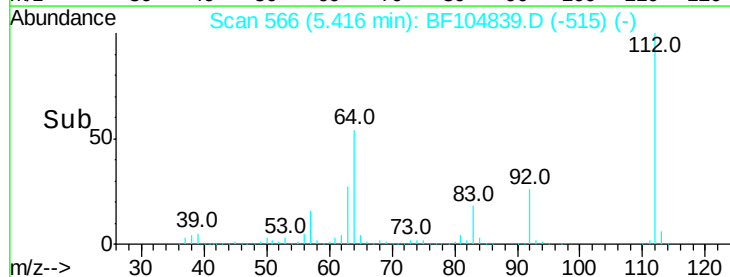
#5

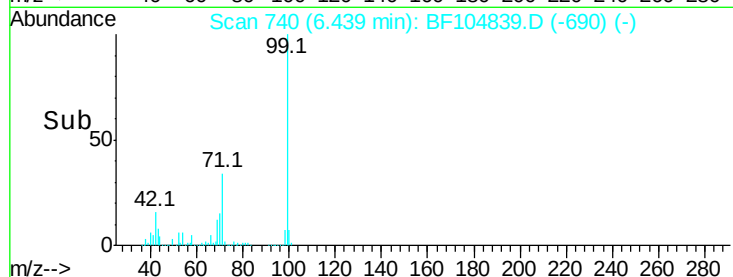
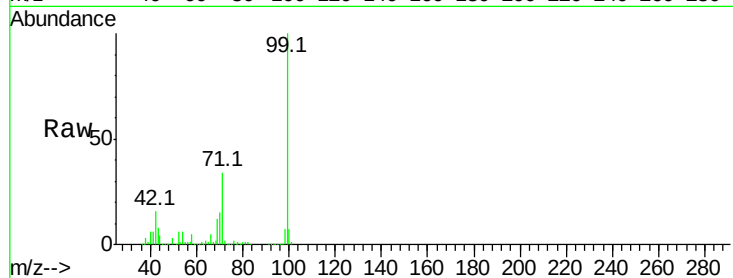
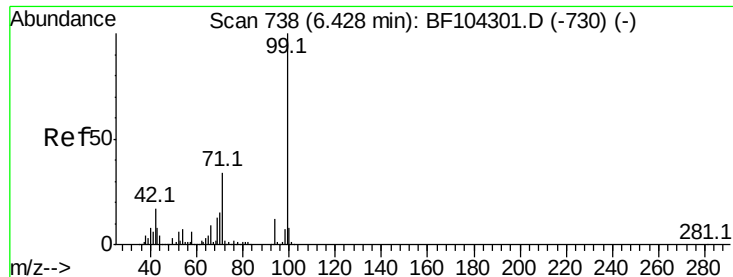
2-Fluorophenol
 Concen: 79.586 ng
 RT: 5.42 min Scan# 566
 Delta R.T. -0.00 min
 Lab File: BF104839.D
 Acq: 26 Apr 2018 16:14

Tgt Ion:112 Resp: 593629
 Ion Ratio Lower Upper
 112 100
 64 53.5 47.9 71.9
 63 27.1 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: 78.241 ng

RT: 6.44 min Scan# 740

Delta R.T. -0.01 min

Lab File: BF104839.D

Acq: 26 Apr 2018 16:14

Instrument :

BNA_F

ClientSampled :

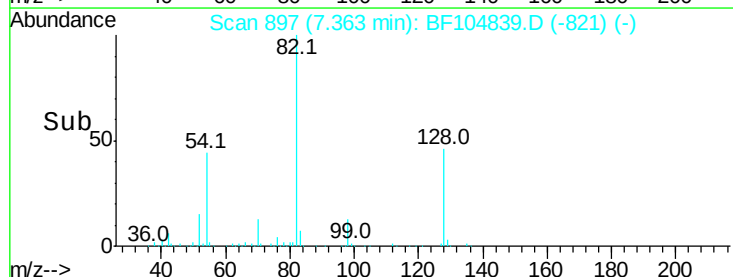
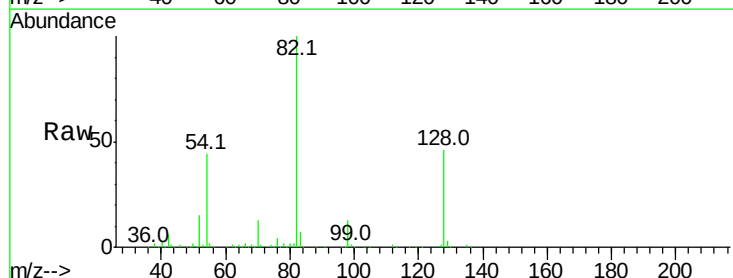
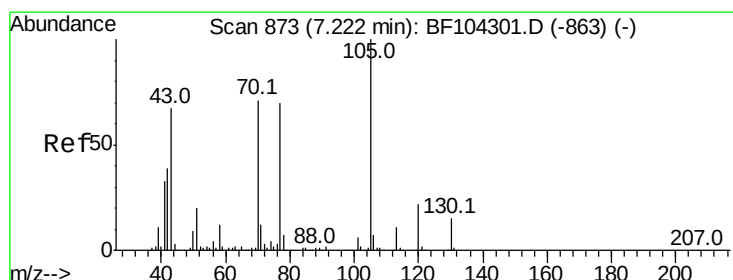
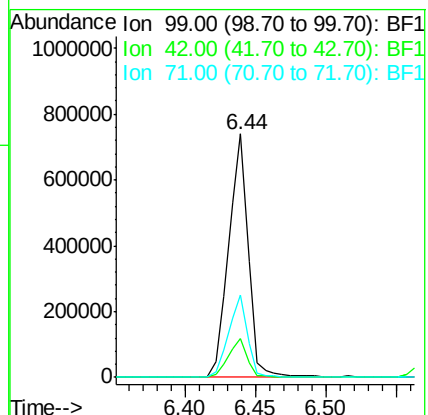
Tot Ion: 99 Resp: 717043

Ion Ratio Lower Upper

99 100

42 15.8 14.5 21.7

71 34.1 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 9.373 ng

RT: 7.36 min Scan# 897

Delta R.T. 0.15 min

Lab File: BF104839.D

Acq: 26 Apr 2018 16:14

Tgt Ion: 70 Resp: 56133

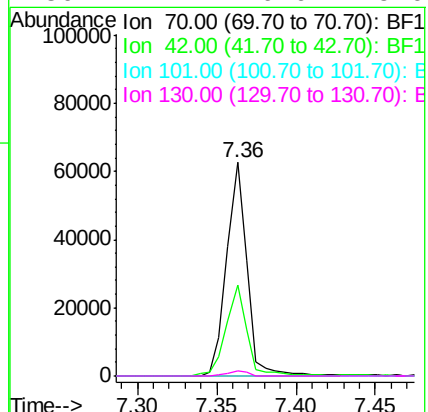
Ion Ratio Lower Upper

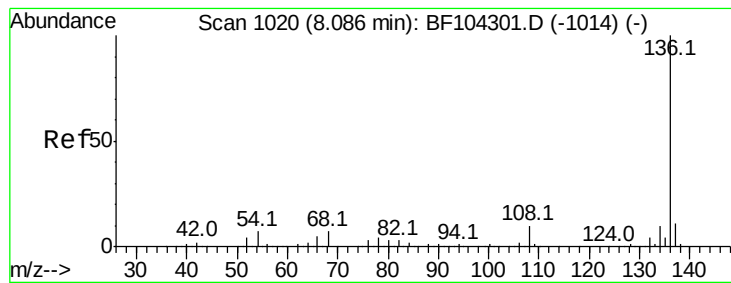
70 100

42 42.5 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: 8.08 min Scan# 1019

Delta R.T. -0.01 min

Lab File: BF104839.D

Acq: 26 Apr 2018 16:14

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 475054

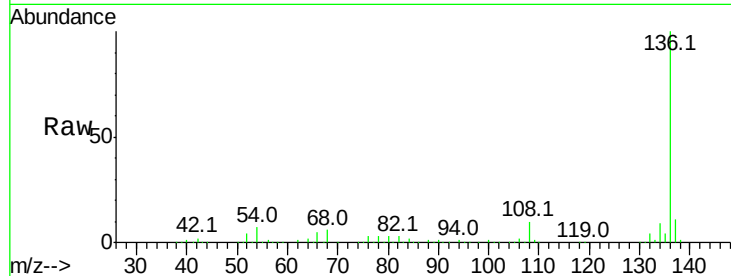
Ion Ratio Lower Upper

136 100

137 11.2 8.9 13.3

54 7.0 6.6 9.8

68 5.9 5.0 7.4

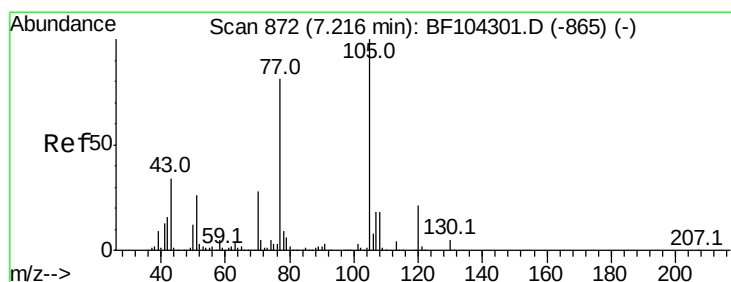
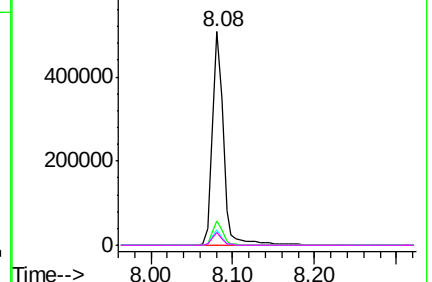
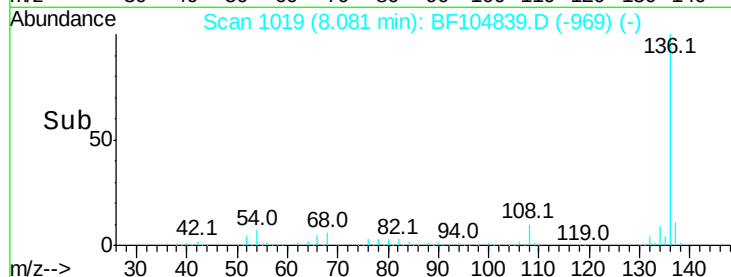


Abundance Ion 136.00 (135.70 to 136.70): E

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



#22

Acetophenone

Concen: 3.086 ng

RT: 7.20 min Scan# 870

Delta R.T. -0.01 min

Lab File: BF104839.D

Acq: 26 Apr 2018 16:14

Tgt Ion:105 Resp: 36096

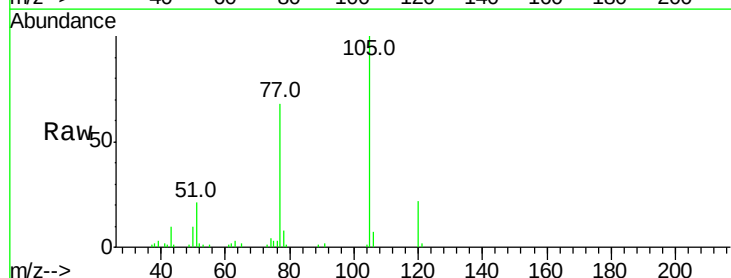
Ion Ratio Lower Upper

105 100

71 0.0 4.4 6.6#

51 21.3 22.3 33.5#

120 22.4 16.9 25.3

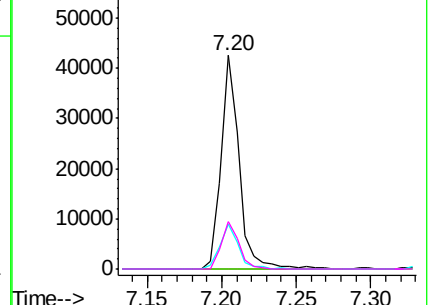
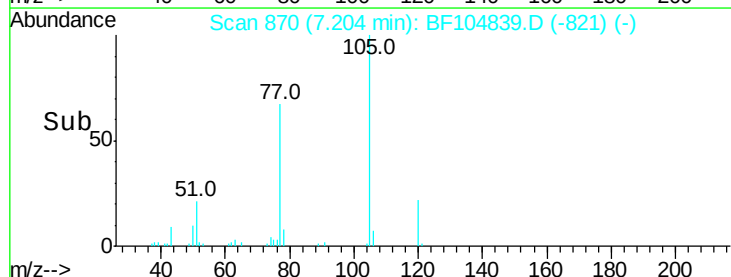


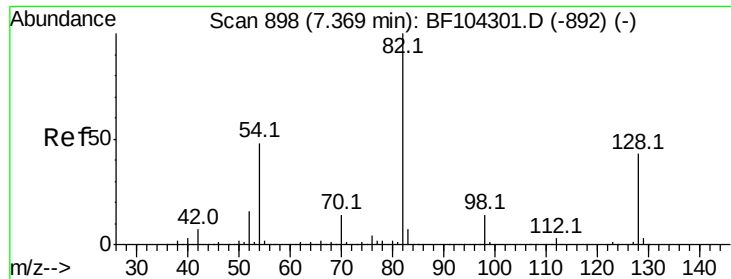
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF1

Ion 51.00 (50.70 to 51.70): BF1

Ion 120.00 (119.70 to 120.70): E

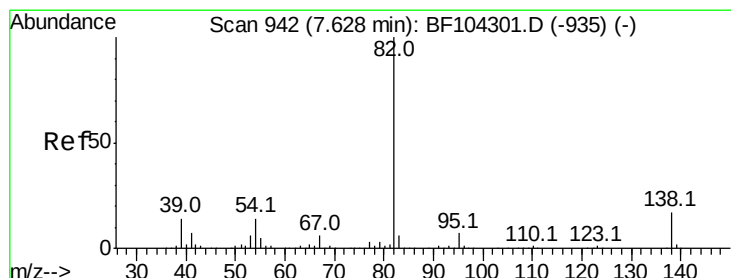
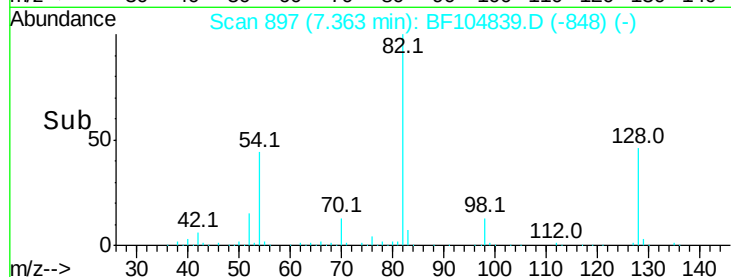
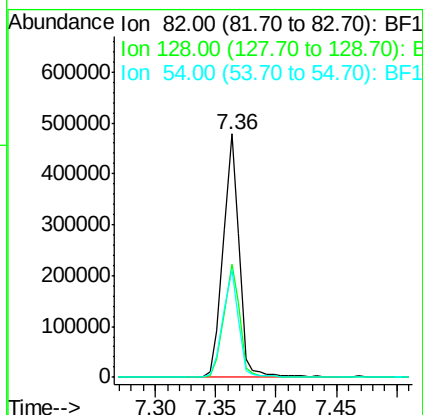
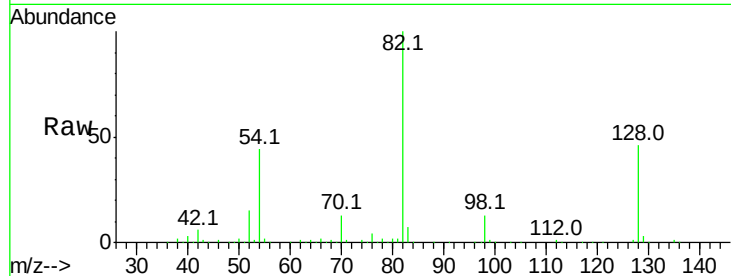




#23
Nitrobenzene-d5
Concen: 60.452 ng
RT: 7.36 min Scan# 897
Delta R.T. -0.01 min
Lab File: BF104839.D
Acq: 26 Apr 2018 16:14

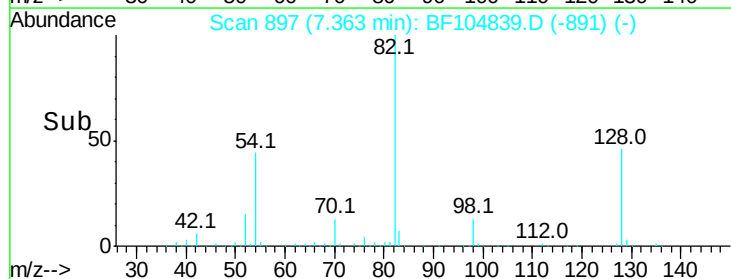
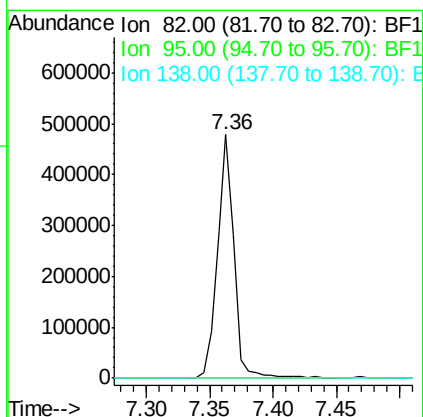
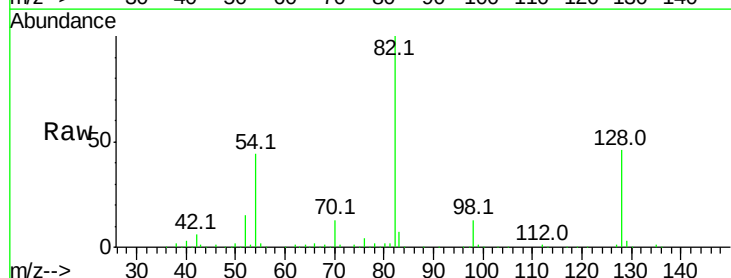
Instrument :
BNA_F
ClientSampleId :

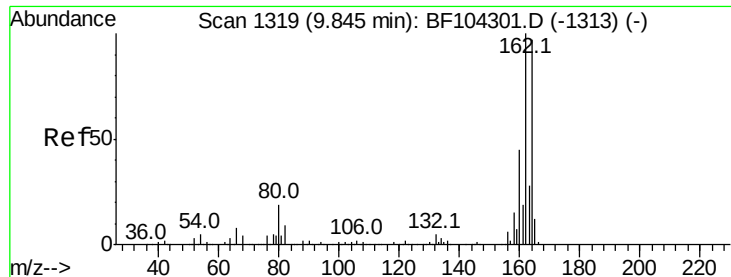
Tot Ion	82	Resp	439798
Ion Ratio	Lower	Upper	
82	100		
128	46.4	36.1	54.1
54	44.1	41.4	62.2



#25
Isophorone
Concen: 28.587 ng
RT: 7.36 min Scan# 897
Delta R.T. -0.26 min
Lab File: BF104839.D
Acq: 26 Apr 2018 16:14

Tgt Ion	82	Resp	439792
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: BF104839.D

Acq: 26 Apr 2018 16:14

Instrument :

BNA_F

ClientSampleId :

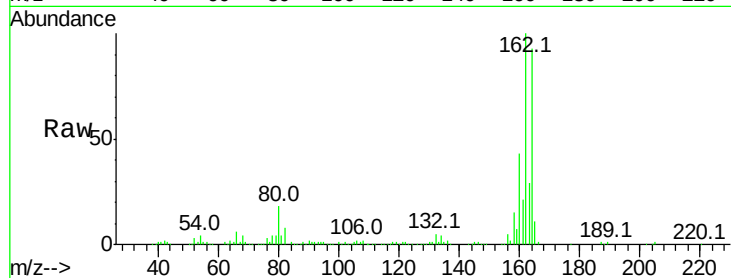
Tot Ion:164 Resp: 199138

Ion Ratio Lower Upper

164 100

162 107.3 86.1 129.1

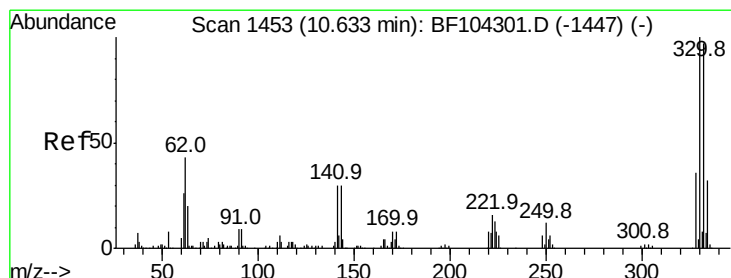
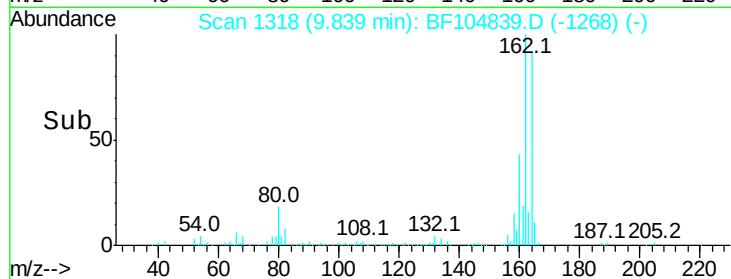
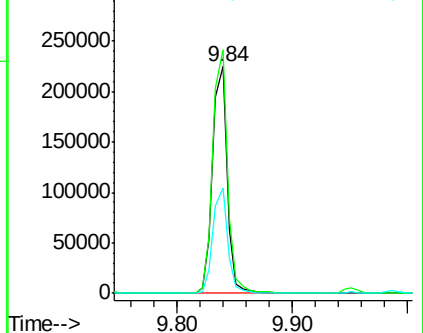
160 46.3 38.3 57.5



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: 74.170 ng

RT: 10.63 min Scan# 1453

Delta R.T. -0.01 min

Lab File: BF104839.D

Acq: 26 Apr 2018 16:14

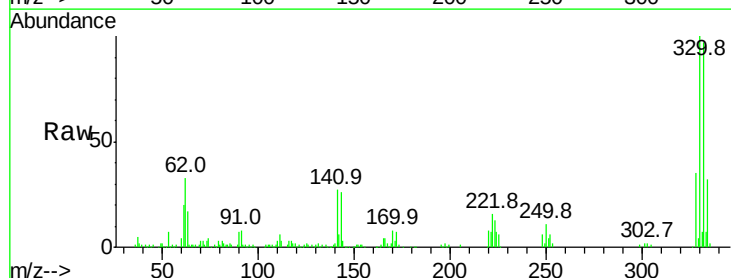
Tgt Ion:330 Resp: 153213

Ion Ratio Lower Upper

330 100

332 95.8 77.0 115.6

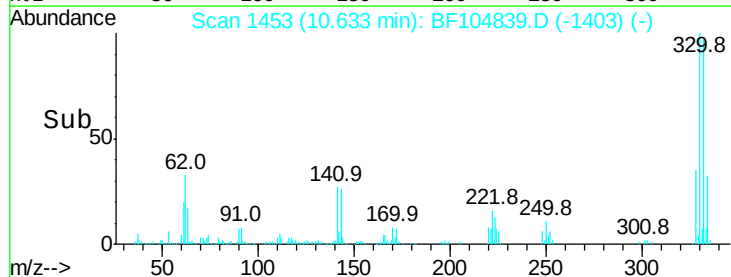
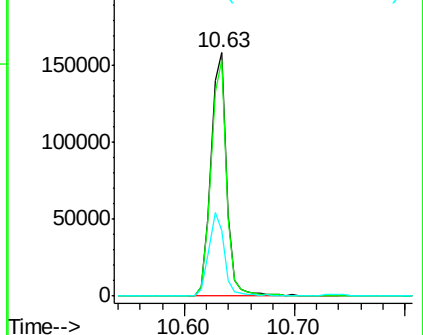
141 34.1 29.9 44.9

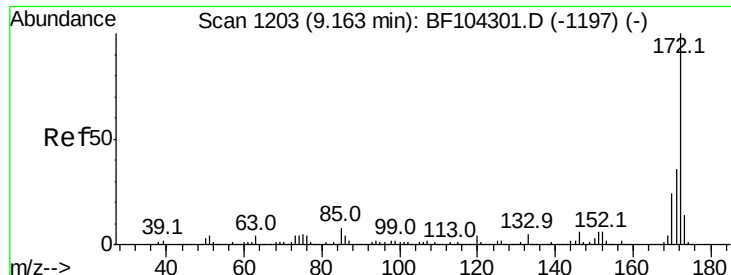


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

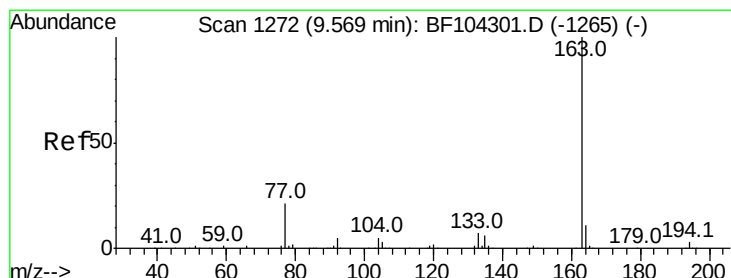
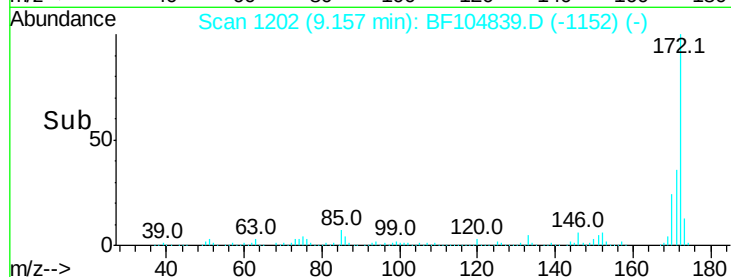
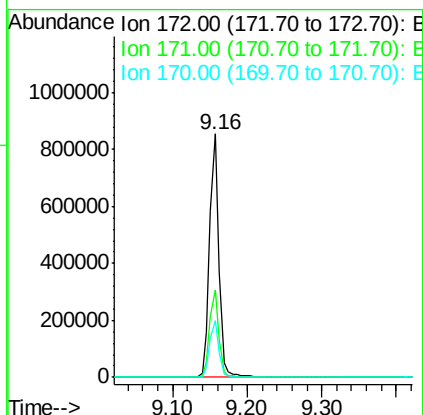
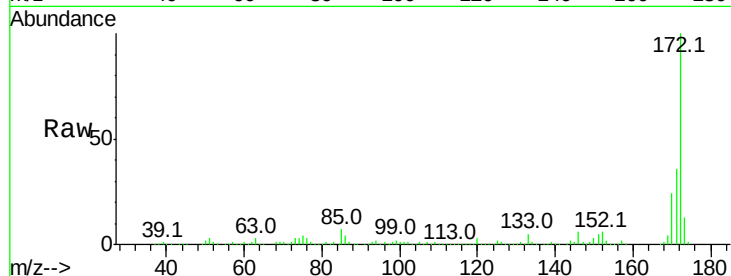




#44
 2-Fluorobiphenyl
 Concen: 59.375 ng
 RT: 9.16 min Scan# 1202
 Delta R.T. -0.01 min
 Lab File: BF104839.D
 Acq: 26 Apr 2018 16:14

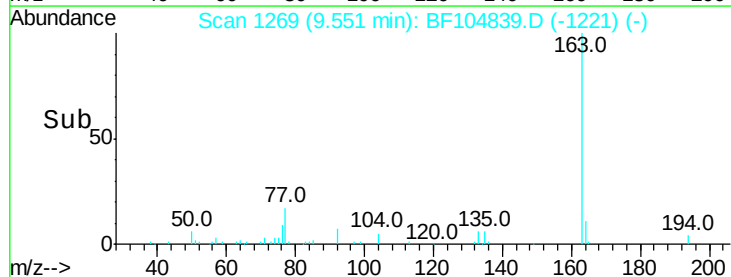
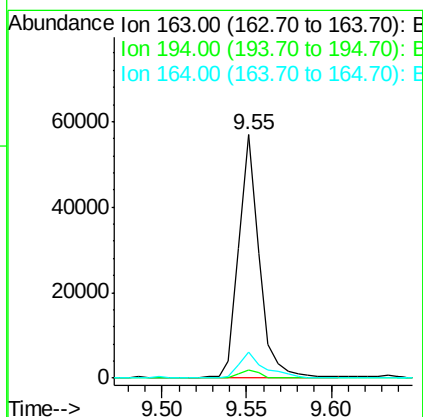
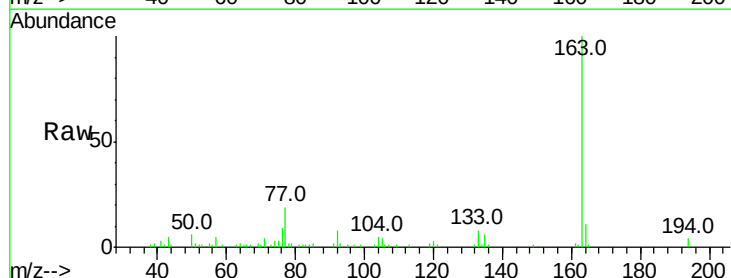
Instrument :
 BNA_F
 ClientSampleId :

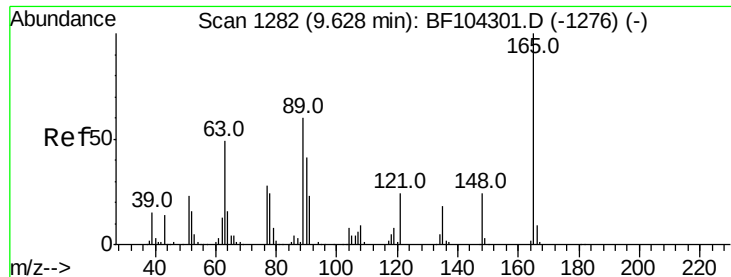
Tot Ion:172 Resp: 748466
 Ion Ratio Lower Upper
 172 100
 171 35.9 29.7 44.5
 170 23.5 19.6 29.4



#49
 Dimethylphthalate
 Concen: 3.071 ng
 RT: 9.55 min Scan# 1269
 Delta R.T. -0.02 min
 Lab File: BF104839.D
 Acq: 26 Apr 2018 16:14

Tgt Ion:163 Resp: 48229
 Ion Ratio Lower Upper
 163 100
 194 3.5 2.7 4.1
 164 10.7 8.2 12.2

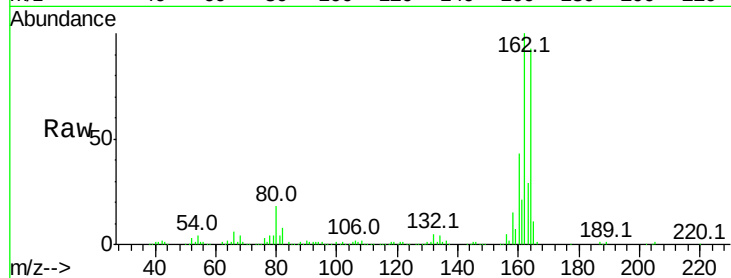




#50
 2,6-Dinitrotoluene
 Concen: 8.683 ng
 RT: 9.84 min Scan# 1318
 Delta R.T. 0.21 min
 Lab File: BF104839.D
 Acq: 26 Apr 2018 16:14

Instrument :
 BNA_F
 ClientSampleId :

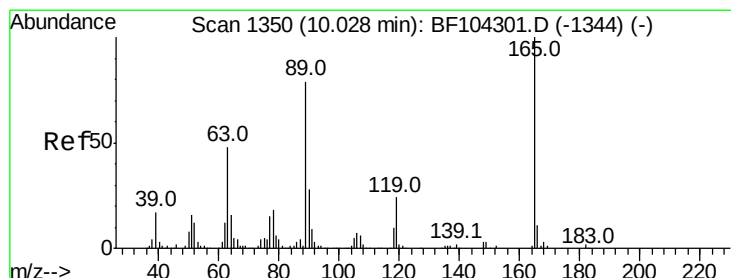
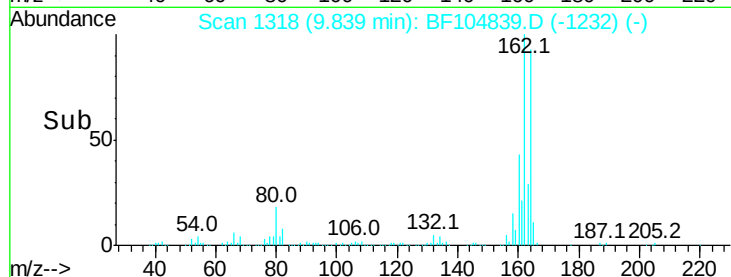
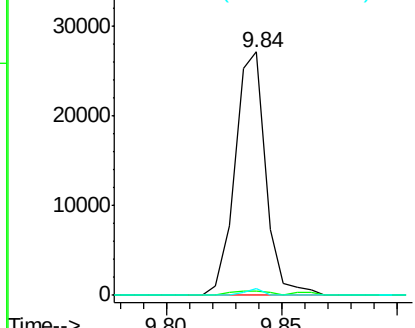
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.8	44.7	67.1#
89	2.8	44.0	66.0#



Abundance Ion 165.00 (164.70 to 165.70): E

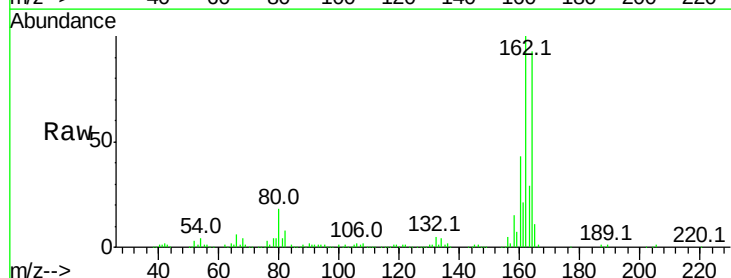
Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1



#56
 2,4-Dinitrotoluene
 Concen: 6.620 ng
 RT: 9.84 min Scan# 1318
 Delta R.T. -0.20 min
 Lab File: BF104839.D
 Acq: 26 Apr 2018 16:14

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.8	36.4	54.6#
89	2.8	57.8	86.6#
182	0.0	1.6	2.4#

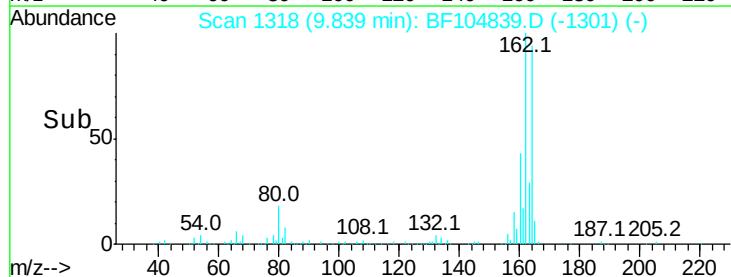
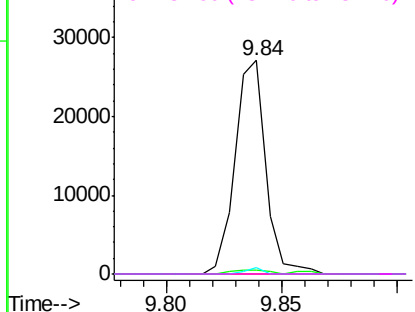


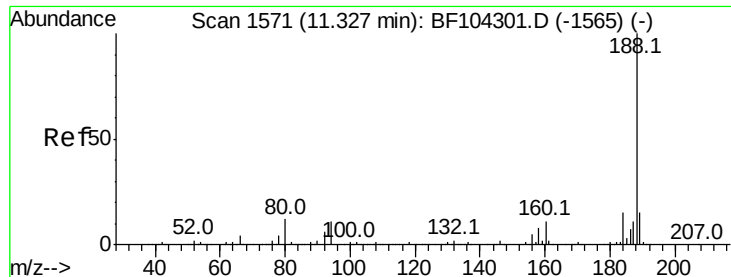
Abundance Ion 165.00 (164.70 to 165.70): E

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

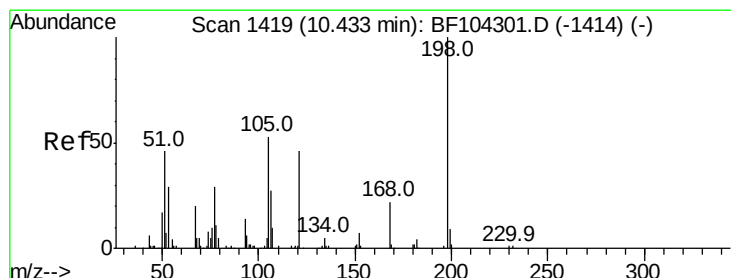
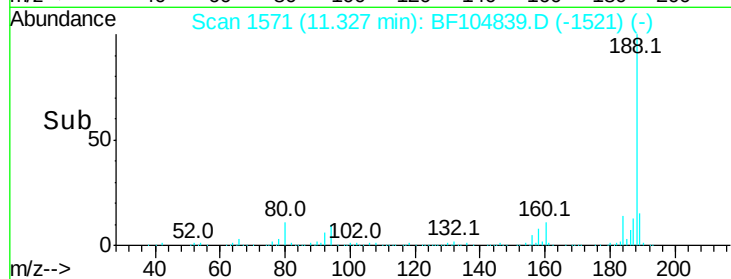
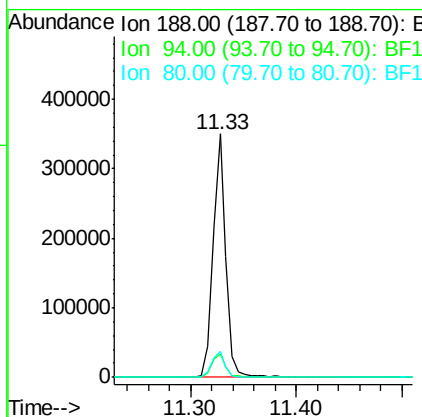
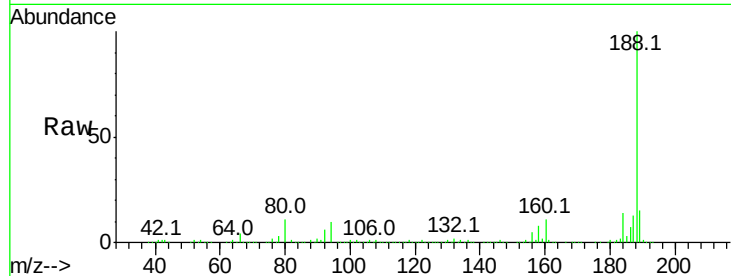




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.33 min Scan# 1571
 Delta R.T. -0.01 min
 Lab File: BF104839.D
 Acq: 26 Apr 2018 16:14

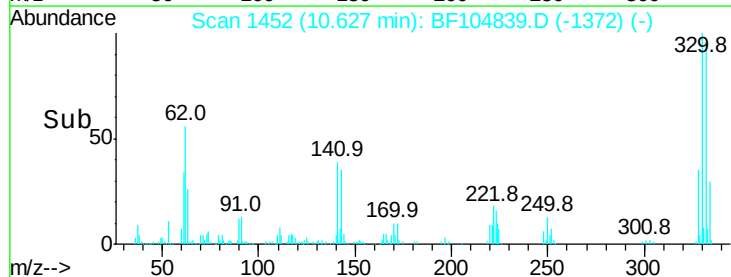
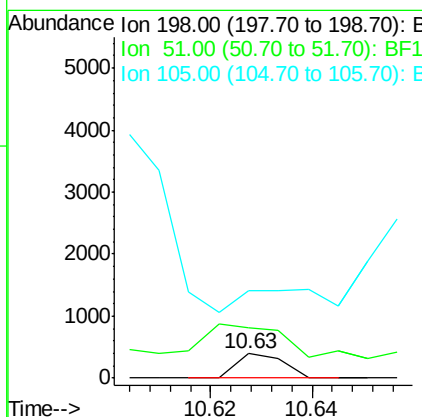
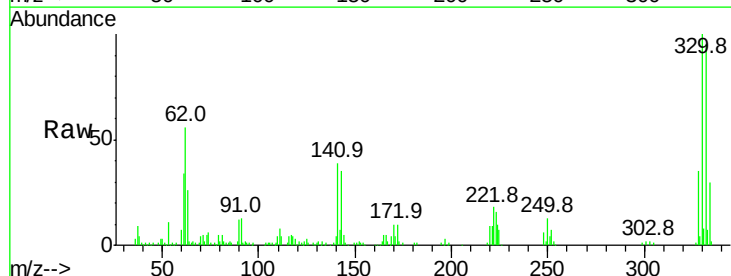
Instrument :
 BNA_F
 ClientSampleId :

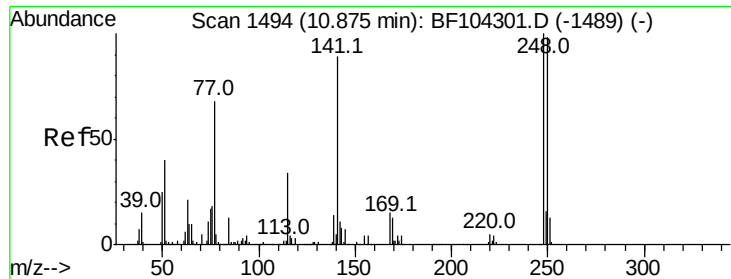
Tot Ion:188 Resp: 298533
 Ion Ratio Lower Upper
 188 100
 94 9.9 8.5 12.7
 80 10.8 9.2 13.8



#64
 4,6-Dinitro-2-methylphenol
 Concen: 7.494 ng
 RT: 10.63 min Scan# 1452
 Delta R.T. 0.17 min
 Lab File: BF104839.D
 Acq: 26 Apr 2018 16:14

Tgt Ion:198 Resp: 252
 Ion Ratio Lower Upper
 198 100
 51 210.0 37.7 77.7#
 105 359.3 36.3 76.3#

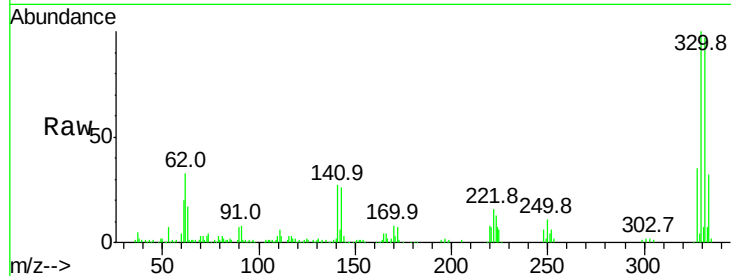




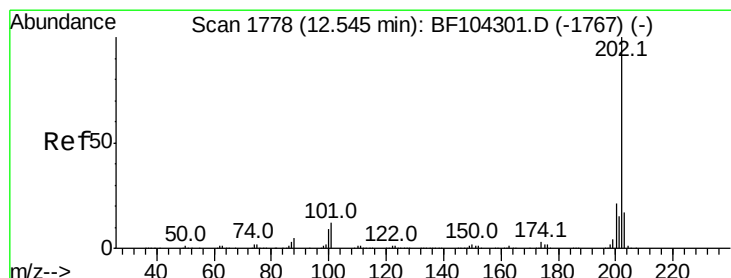
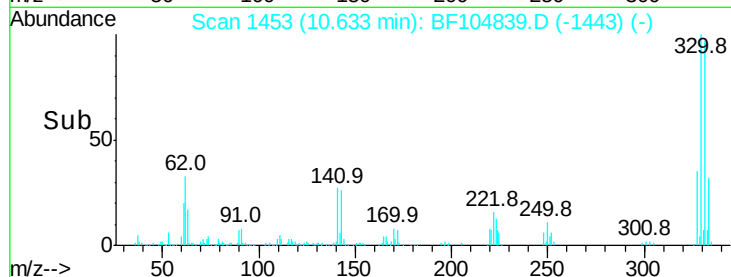
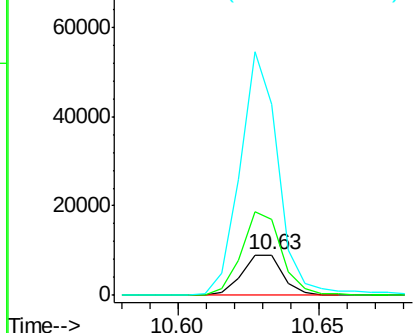
#66
 4-Bromophenyl-phenylether
 Concen: 2.855 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. -0.24 min
 Lab File: BF104839.D
 Acq: 26 Apr 2018 16:14

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:248 Resp: 9066
 Ion Ratio Lower Upper
 248 100
 250 189.8 76.9 115.3#
 141 474.9 74.4 111.6#

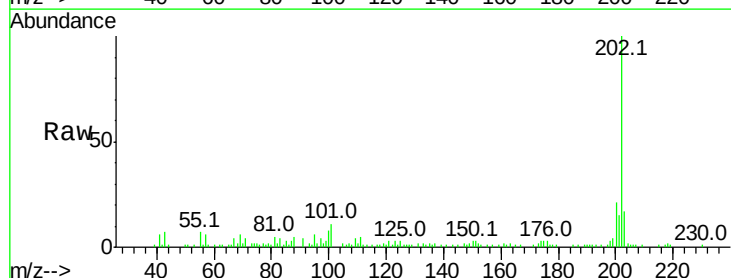


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

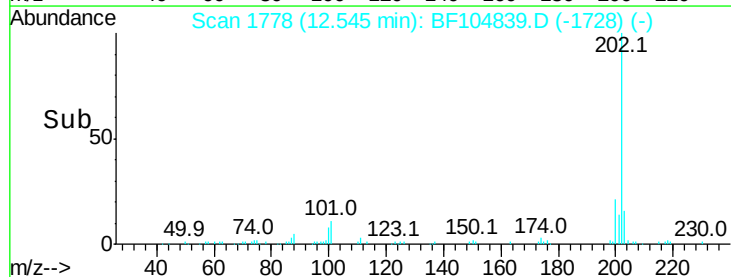
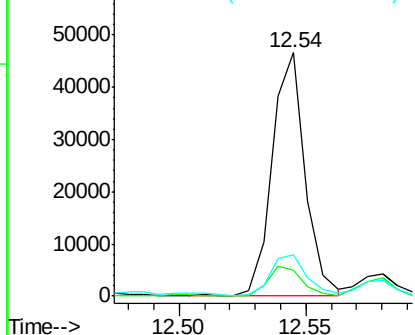


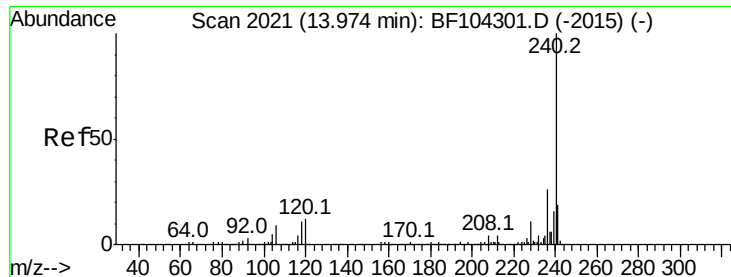
#74
 Fluoranthene
 Concen: 2.438 ng
 RT: 12.54 min Scan# 1778
 Delta R.T. -0.01 min
 Lab File: BF104839.D
 Acq: 26 Apr 2018 16:14

Tgt Ion:202 Resp: 42349
 Ion Ratio Lower Upper
 202 100
 101 10.9 0.0 34.1
 203 17.1 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: 14.01 min Scan# 2027

Delta R.T. 0.02 min

Lab File: BF104839.D

Acq: 26 Apr 2018 16:14

Instrument :

BNA_F

ClientSampleId :

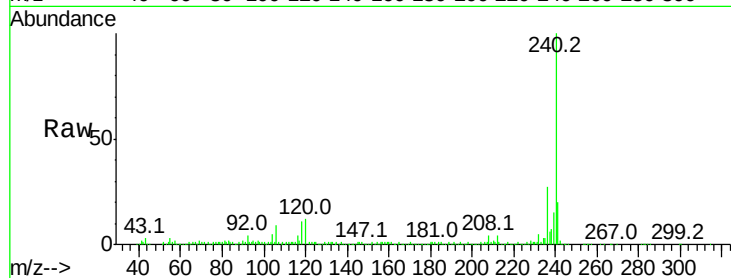
Tot Ion:240 Resp: 240570

Ion Ratio Lower Upper

240 100

120 12.5 9.5 14.3

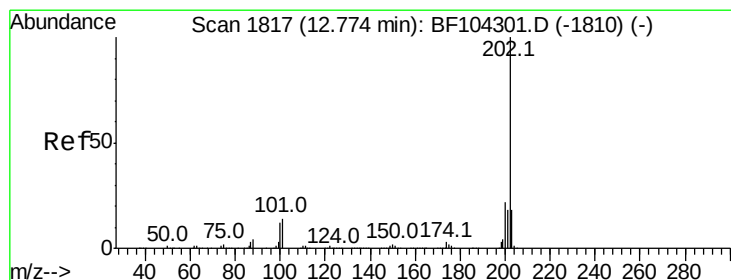
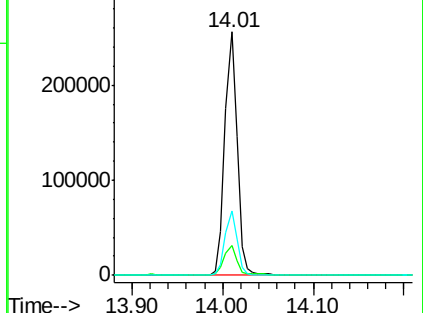
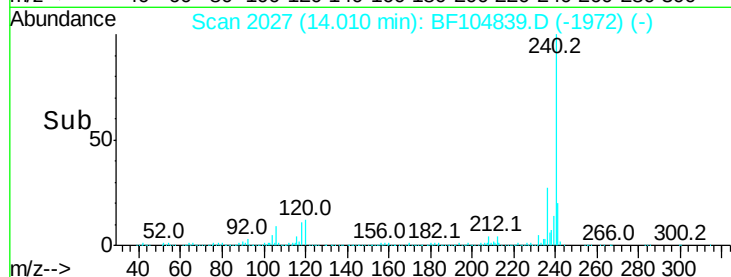
236 26.6 20.7 31.1



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



#77

Pyrene

Concen: 2.066 ng

RT: 12.77 min Scan# 1817

Delta R.T. -0.01 min

Lab File: BF104839.D

Acq: 26 Apr 2018 16:14

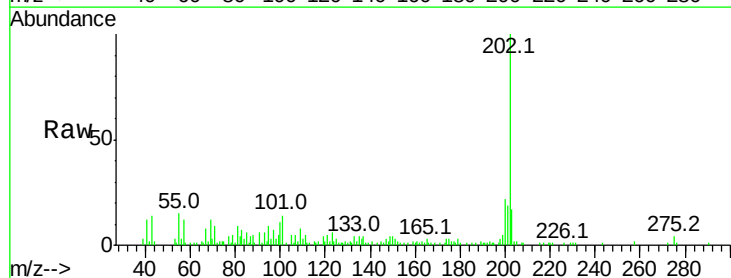
Tgt Ion:202 Resp: 36849

Ion Ratio Lower Upper

202 100

200 21.8 17.4 26.2

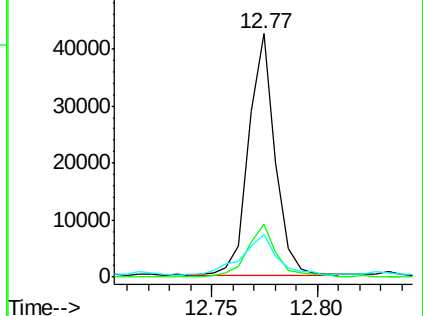
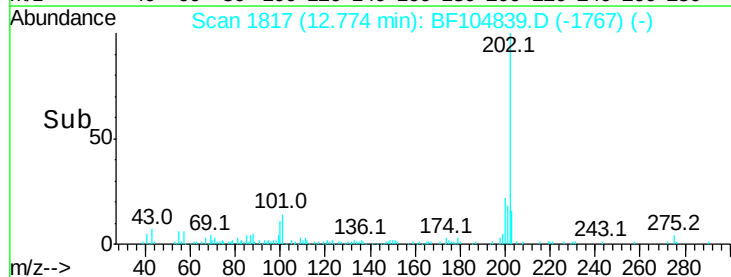
203 17.4 14.3 21.5

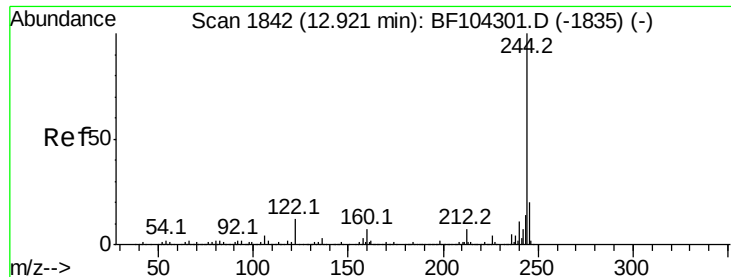


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 46.059 ng

RT: 12.92 min Scan# 1841

Delta R.T. -0.01 min

Lab File: BF104839.D

Acq: 26 Apr 2018 16:14

Instrument :

BNA_F

ClientSampleId :

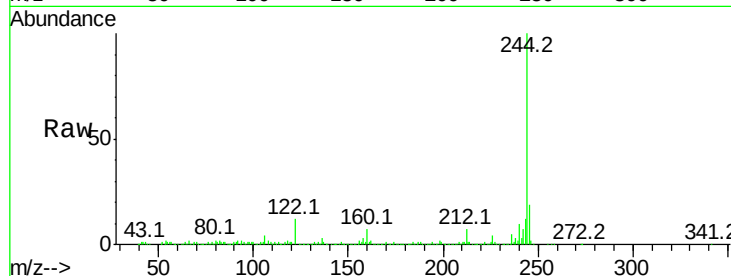
Tot Ion:244 Resp: 486016

Ion Ratio Lower Upper

244 100

212 6.7 5.4 8.0

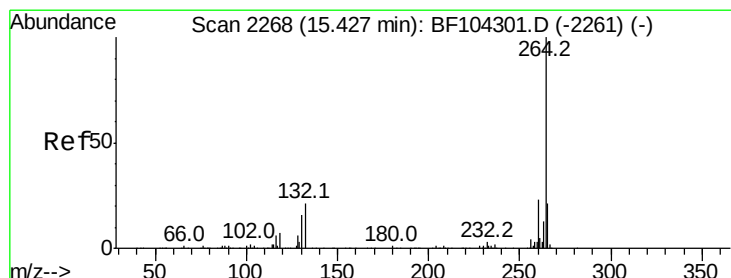
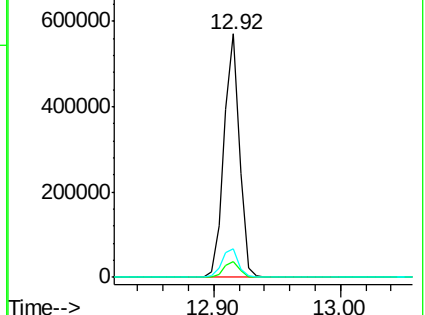
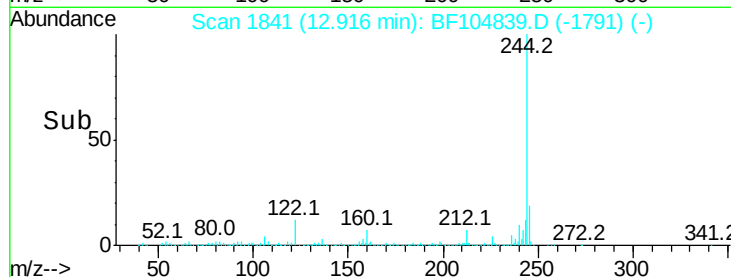
122 11.9 11.0 16.4



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: 15.54 min Scan# 2288

Delta R.T. 0.08 min

Lab File: BF104839.D

Acq: 26 Apr 2018 16:14

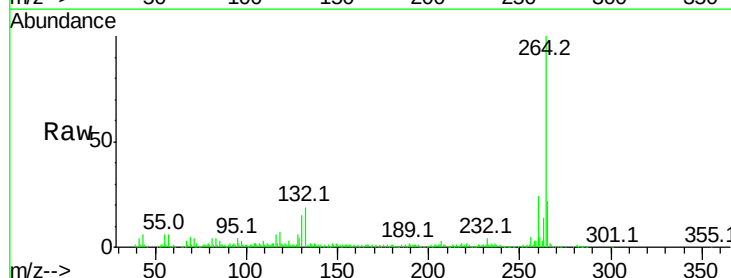
Tgt Ion:264 Resp: 212914

Ion Ratio Lower Upper

264 100

260 24.0 19.2 28.8

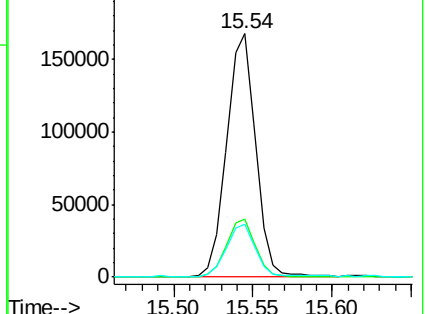
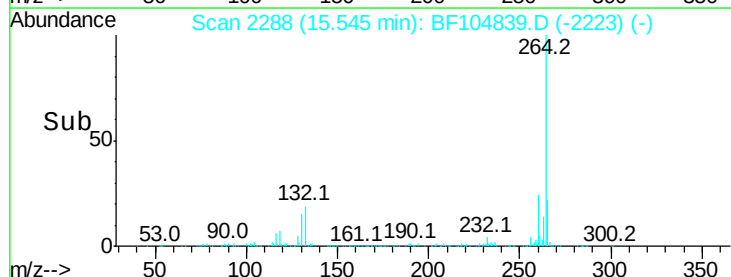
265 21.9 17.5 26.3

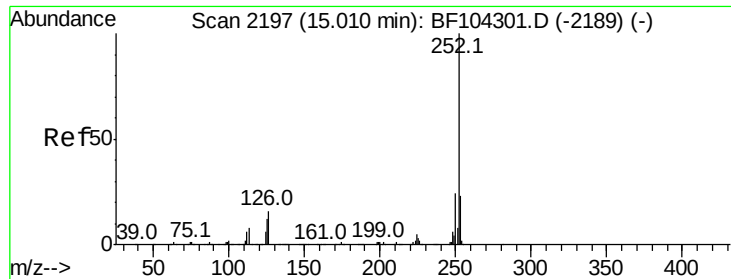


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

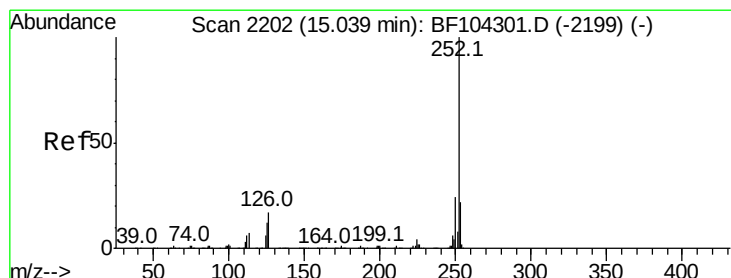
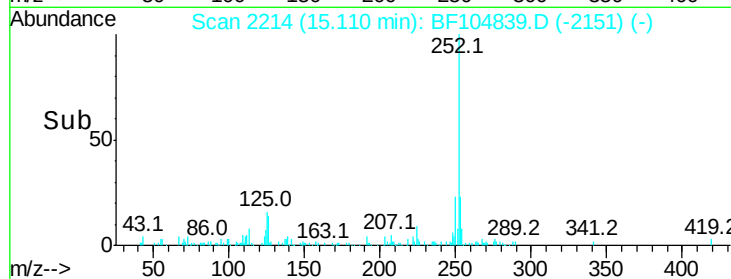
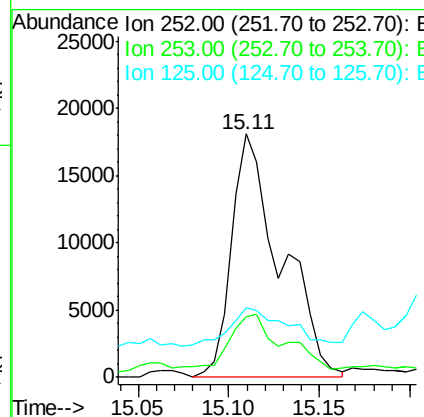
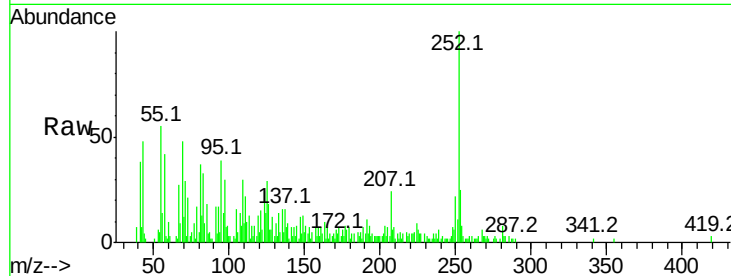




#87
Benzo(b)fluoranthene
Concen: 2.544 ng
RT: 15.11 min Scan# 2214
Delta R.T. 0.07 min
Lab File: BF104839.D
Acq: 26 Apr 2018 16:14

Instrument :
BNA_F
ClientSampled :

Tot Ion:252 Resp: 34205
Ion Ratio Lower Upper
252 100
253 24.9 17.0 25.6
125 28.8 9.0 13.6#



#88
Benzo(k)fluoranthene
Concen: 2.694 ng
RT: 15.11 min Scan# 2214
Delta R.T. 0.04 min
Lab File: BF104839.D
Acq: 26 Apr 2018 16:14

Tgt Ion:252 Resp: 34205
Ion Ratio Lower Upper
252 100
253 24.9 17.9 26.9
125 28.8 10.2 15.2#

