

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122117\
 Data File : BF101620.D
 Acq On : 21 Dec 2017 21:15
 Operator : SJ/JU
 Sample : I6920-06
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 22 00:53:30 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 20 14:25:04 2017
 Response via : Initial Calibration

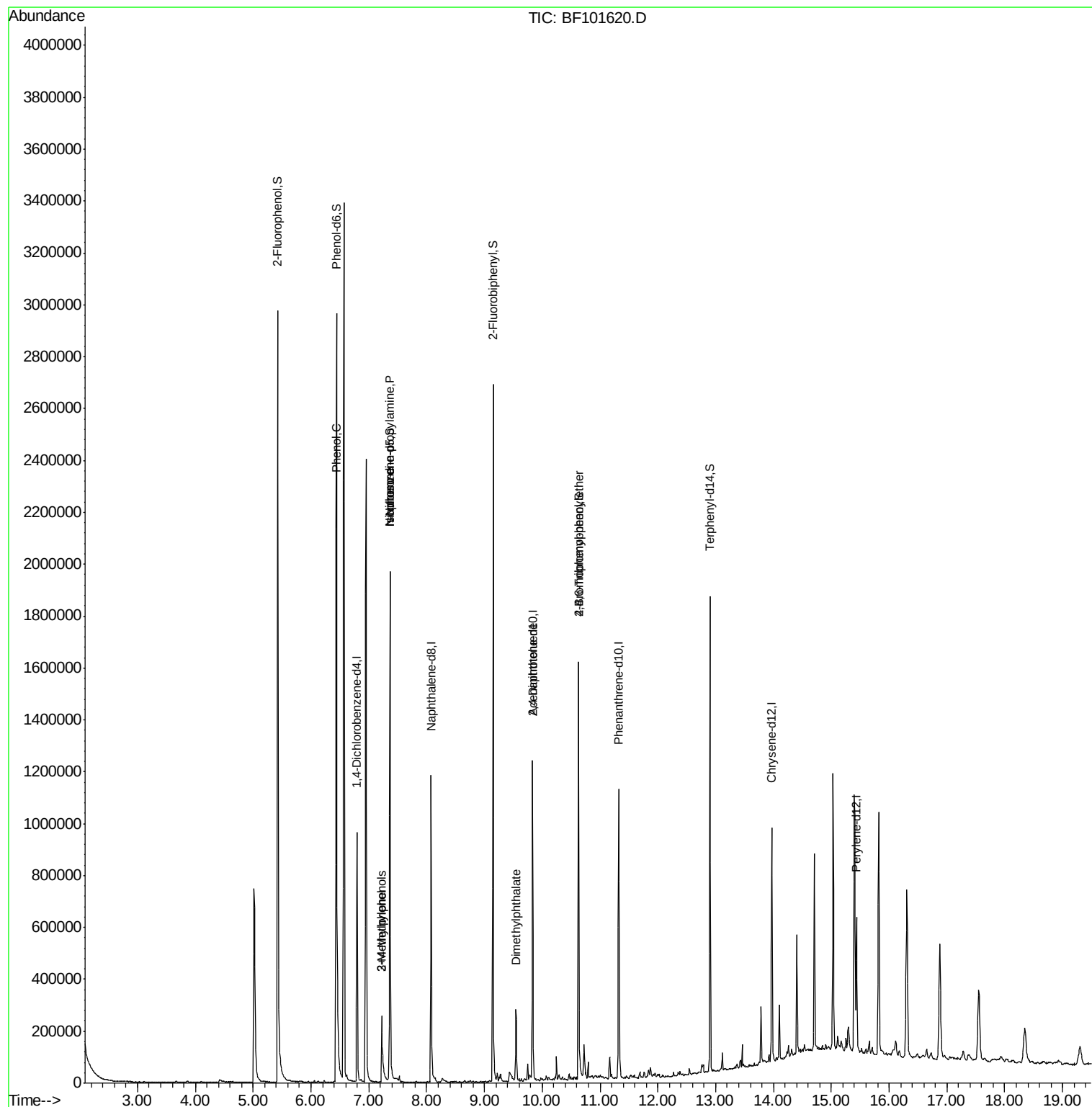
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	154544	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	603727	20.00	ng	0.00
38) Acenaphthene-d10	9.83	164	245633	20.00	ng	0.00
63) Phenanthrene-d10	11.32	188	392201	20.00	ng	0.00
75) Chrysene-d12	13.97	240	301479	20.00	ng	0.00
86) Perylene-d12	15.44	264	255516	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	1021435	98.45	ng	0.01
7) Phenol-d6	6.44	99	1224048	94.80	ng	0.00
23) Nitrobenzene-d5	7.37	82	745099	68.70	ng	0.00
41) 2,4,6-Tribromophenol	10.63	330	198194	83.74	ng	0.00
44) 2-Fluorobiphenyl	9.15	172	879945	55.57	ng	0.00
78) Terphenyl-d14	12.90	244	598442	47.85	ng	0.00
Target Compounds						
10) Phenol	6.45	94	48151	3.272	ng	81
17) 2-Methylphenol	7.22	107	129465	12.896	ng	# 69
19) n-Nitroso-di-n-propylamine	7.37	70	100171	11.813	ng	# 79
20) 3+4-Methylphenols	7.22	107	135465	12.734	ng	85
25) Isophorone	7.37	82	745099	34.247	ng	# 64
49) Dimethylphthalate	9.55	163	114069	5.773	ng	100
56) 2,4-Dinitrotoluene	9.83	165	31701	7.007	ng	# 24
66) 4-Bromophenyl-phenylether	10.63	248	12198	2.768	ng	# 1

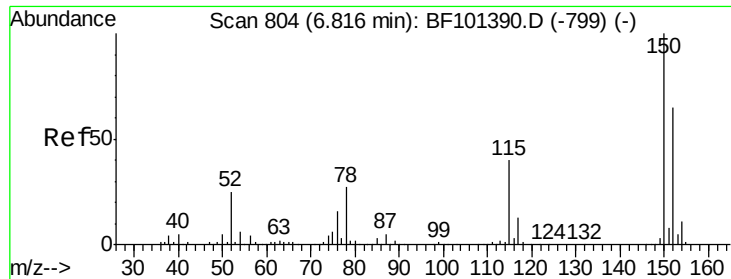
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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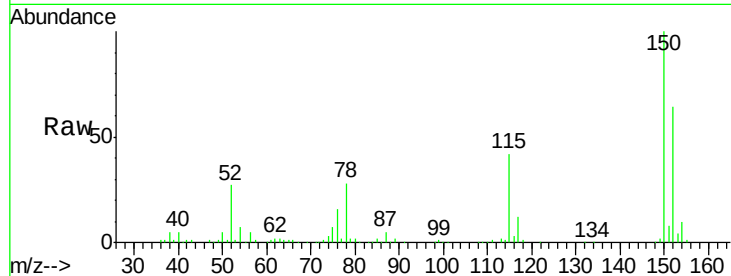


#1

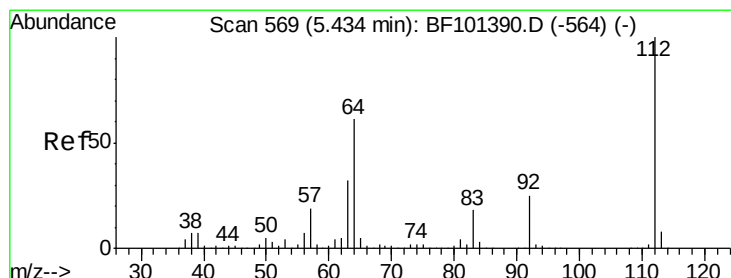
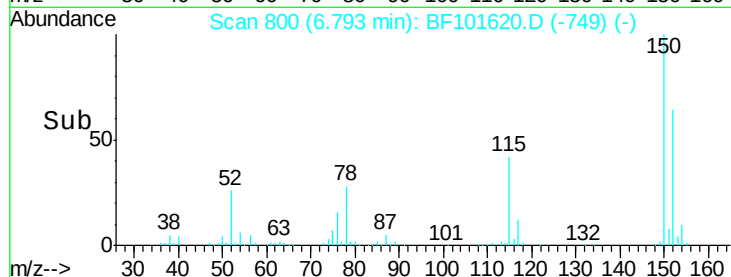
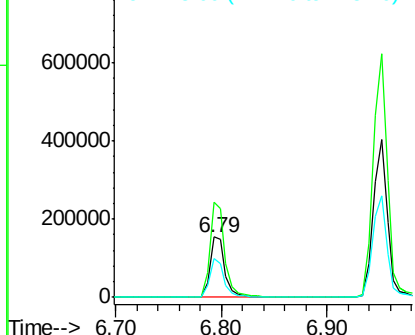
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 800
Delta R.T. 0.00 min
Lab File: BF101620.D
Acq: 21 Dec 2017 21:15

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 154544
Ion Ratio Lower Upper
152 100
150 156.7 124.6 186.8
115 65.2 50.1 75.1



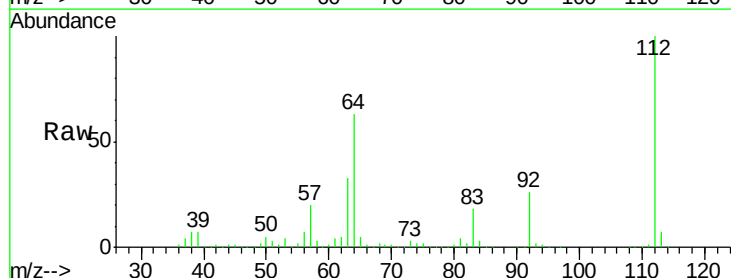
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



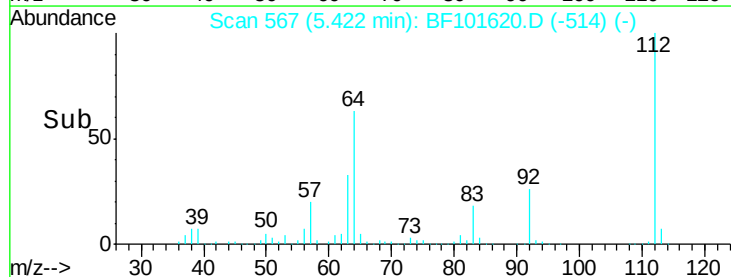
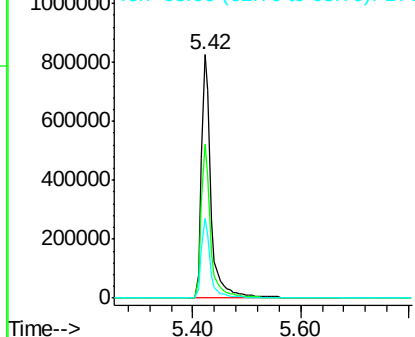
#5

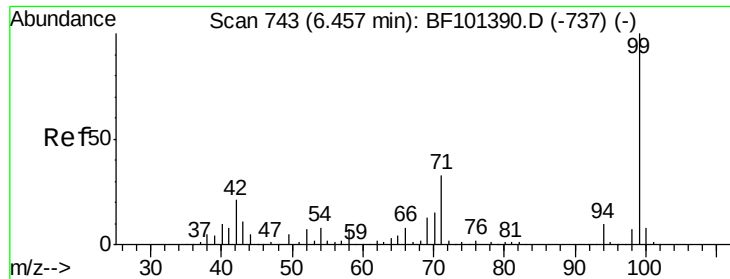
2-Fluorophenol
Concen: 98.451 ng
RT: 5.42 min Scan# 567
Delta R.T. 0.01 min
Lab File: BF101620.D
Acq: 21 Dec 2017 21:15

Tgt Ion:112 Resp: 1021435
Ion Ratio Lower Upper
112 100
64 63.2 47.9 71.9
63 32.6 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: 94.799 ng

RT: 6.44 min Scan# 740

Delta R.T. 0.00 min

Lab File: BF101620.D

Acq: 21 Dec 2017 21:15

Instrument :

BNA_F

ClientSampleId :

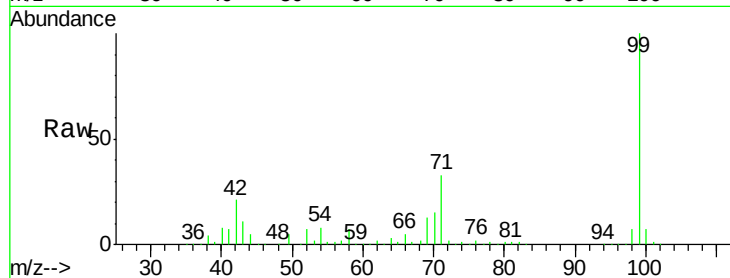
Tot Ion: 99 Resp: 1224048

Ion Ratio Lower Upper

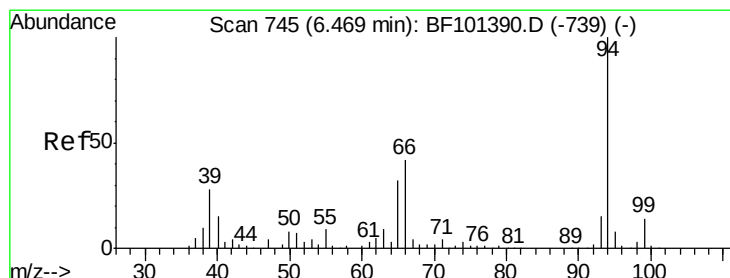
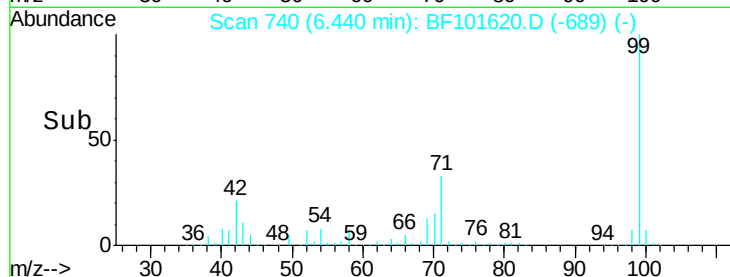
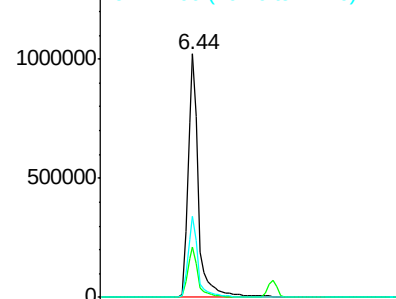
99 100

42 20.6 14.5 21.7

71 33.3 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



#10

Phenol

Concen: 3.272 ng

RT: 6.45 min Scan# 742

Delta R.T. 0.00 min

Lab File: BF101620.D

Acq: 21 Dec 2017 21:15

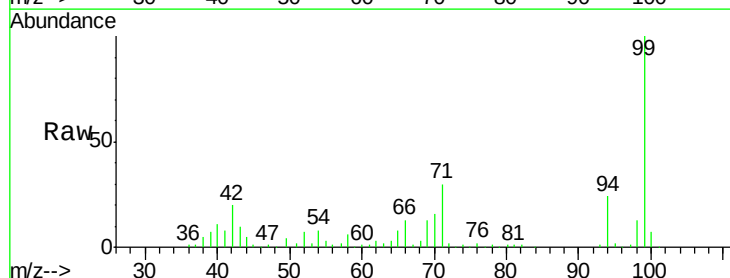
Tgt Ion: 94 Resp: 48151

Ion Ratio Lower Upper

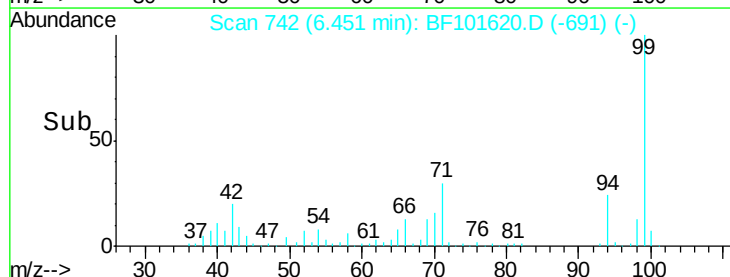
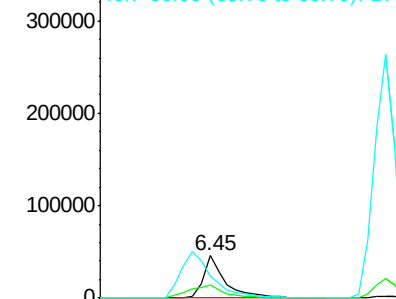
94 100

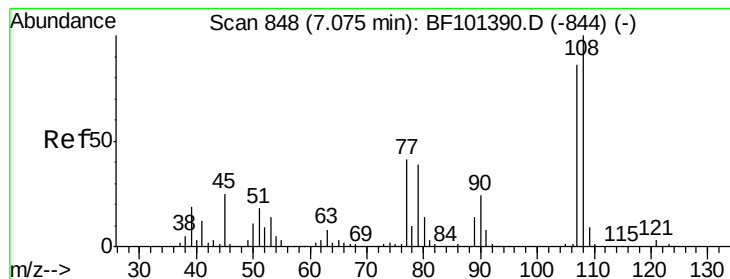
65 32.0 7.9 47.9

66 52.3 16.2 56.2



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1





#17

2-Methylphenol

Concen: 12.896 ng

RT: 7.22 min Scan# 873

Delta R.T. 0.16 min

Lab File: BF101620.D

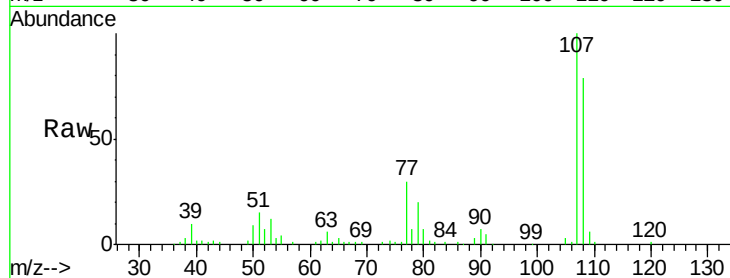
Acq: 21 Dec 2017 21:15

Instrument :

BNA_F

ClientSampled :

Tot Ion:	107	Resp:	129465
Ion	Ratio	Lower	Upper
107	100		
108	78.8	91.7	137.5#
77	29.9	33.8	50.8#
79	20.2	33.8	50.8#

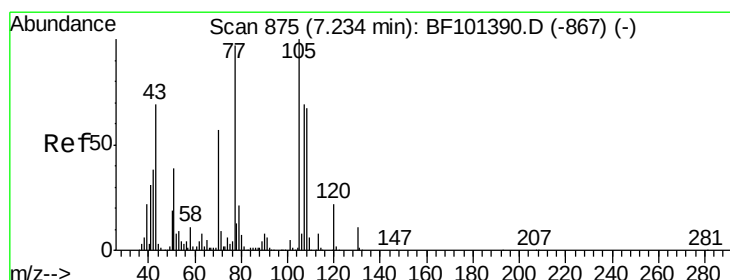
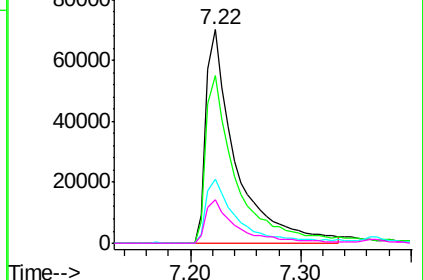
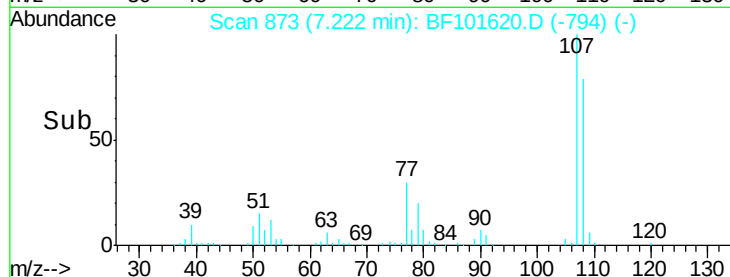


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1



#19

n-Nitroso-di-n-propylamine

Concen: 11.813 ng

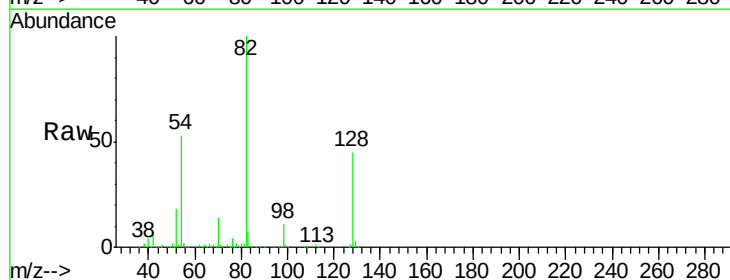
RT: 7.37 min Scan# 898

Delta R.T. 0.16 min

Lab File: BF101620.D

Acq: 21 Dec 2017 21:15

Tgt Ion:	70	Resp:	100171
Ion	Ratio	Lower	Upper
70	100		
42	49.2	47.5	71.3
101	0.0	7.4	11.2#
130	2.0	16.6	25.0#

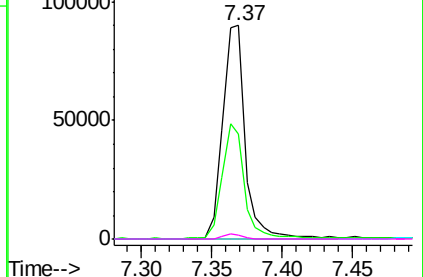
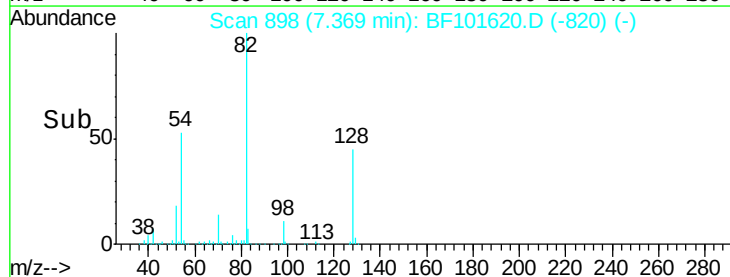


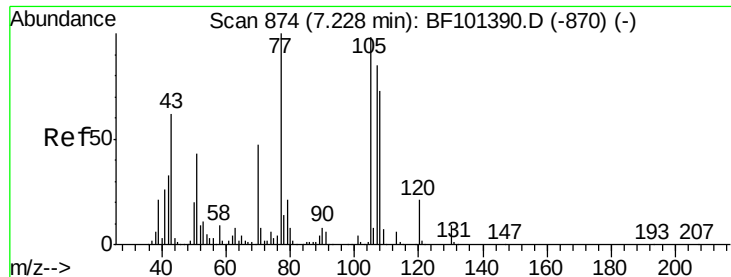
Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E





#20

3+4-Methylphenols

Concen: 12.734 ng

RT: 7.22 min Scan# 873

Delta R.T. 0.01 min

Lab File: BF101620.D

Acq: 21 Dec 2017 21:15

Instrument :

BNA_F

ClientSampleId :

Tot Ion:107 Resp: 135465

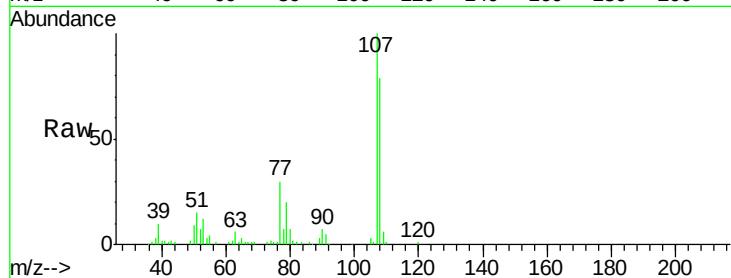
Ion Ratio Lower Upper

107 100

108 78.8 68.2 108.2

77 29.9 26.7 66.7

79 20.2 6.3 46.3

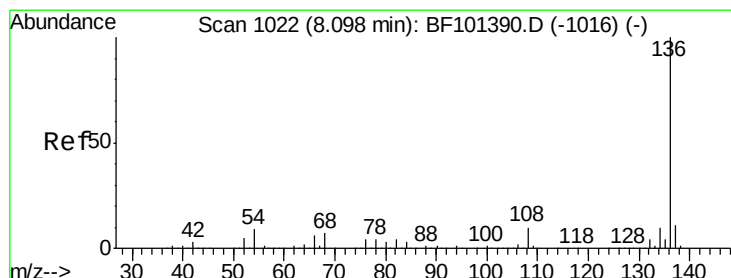
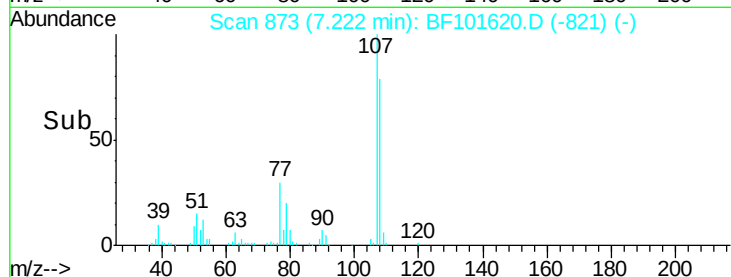
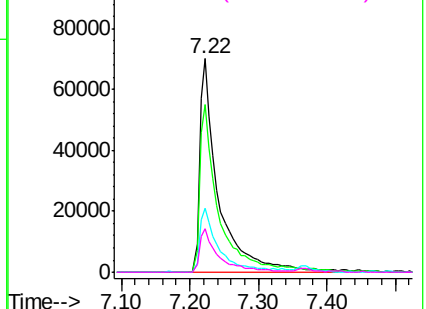


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.07 min Scan# 1018

Delta R.T. -0.01 min

Lab File: BF101620.D

Acq: 21 Dec 2017 21:15

Tgt Ion:136 Resp: 603727

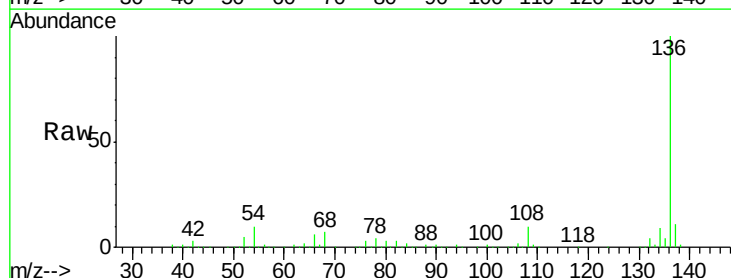
Ion Ratio Lower Upper

136 100

137 11.0 8.9 13.3

54 9.7 6.6 9.8

68 6.9 5.0 7.4

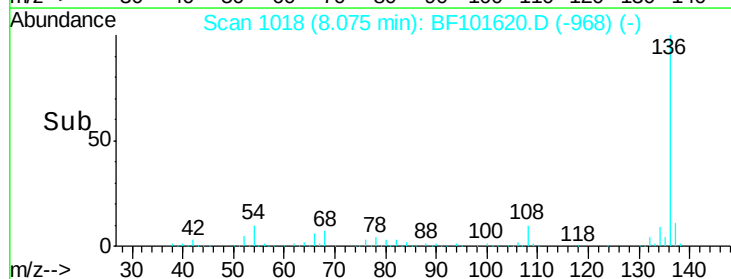
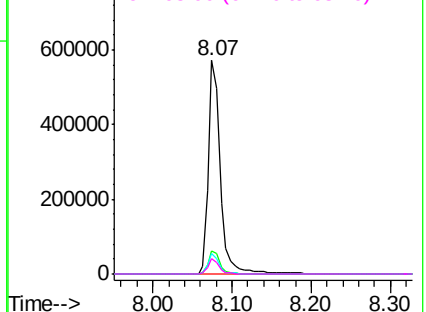


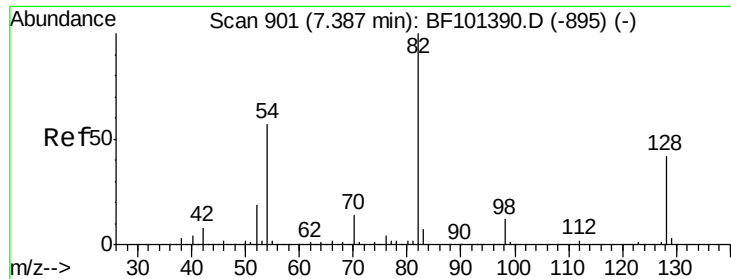
Abundance Ion 136.00 (135.70 to 136.70): E

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

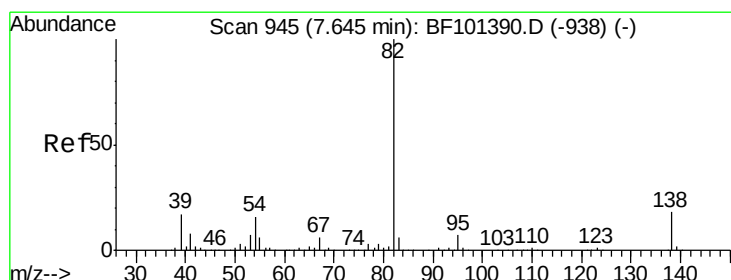
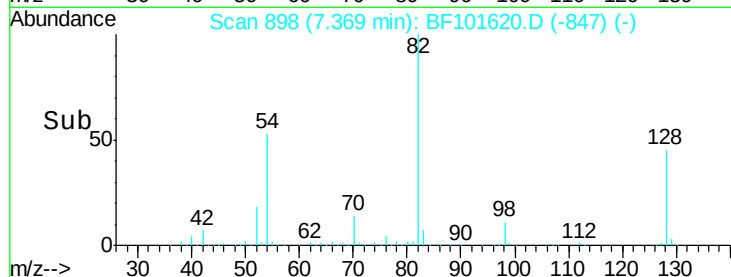
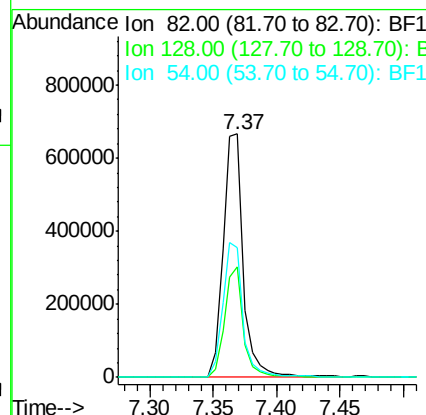
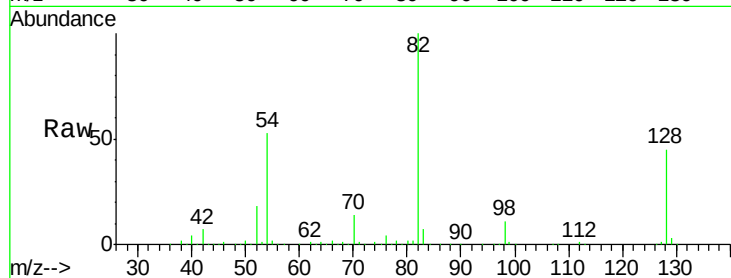




#23
Nitrobenzene-d5
Concen: 68.701 ng
RT: 7.37 min Scan# 898
Delta R.T. 0.00 min
Lab File: BF101620.D
Acq: 21 Dec 2017 21:15

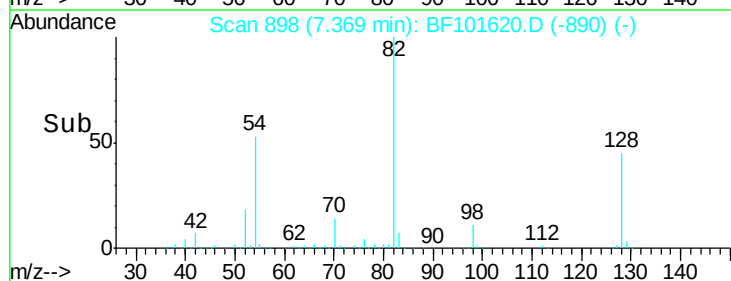
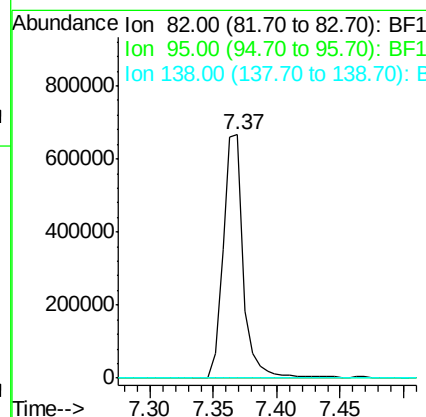
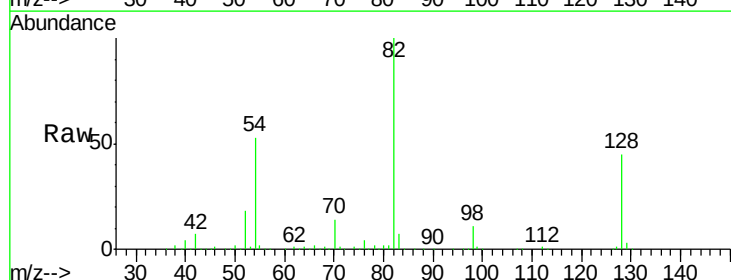
Instrument :
BNA_F
ClientSampled :

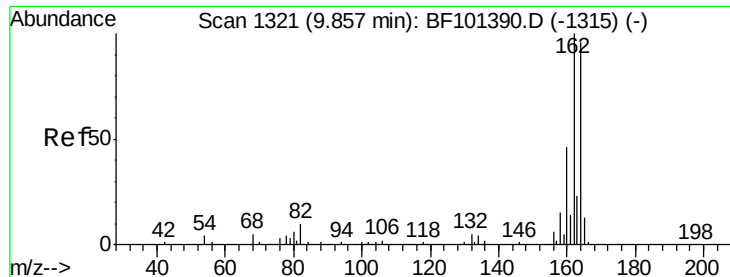
Tot Ion	82	Resp	745099
Ion Ratio	100		
Lower	36.1		
Upper	54.1		
54	53.4	41.4	62.2



#25
Isophorone
Concen: 34.247 ng
RT: 7.37 min Scan# 898
Delta R.T. -0.25 min
Lab File: BF101620.D
Acq: 21 Dec 2017 21:15

Tgt Ion	82	Resp	745099
Ion Ratio	100		
Lower	5.2		
Upper	7.8#		
95	0.0	14.9	22.3#
138	0.0		





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.83 min Scan# 1317

Delta R.T. 0.00 min

Lab File: BF101620.D

Acq: 21 Dec 2017 21:15

Instrument :

BNA_F

ClientSampleId :

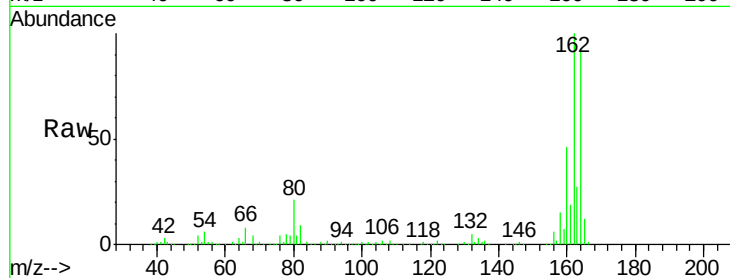
Tot Ion:164 Resp: 245633

Ion Ratio Lower Upper

164 100

162 107.2 86.1 129.1

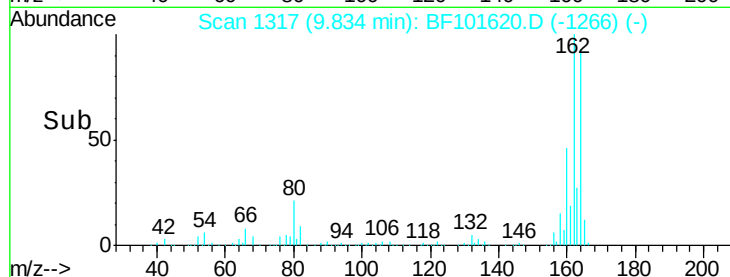
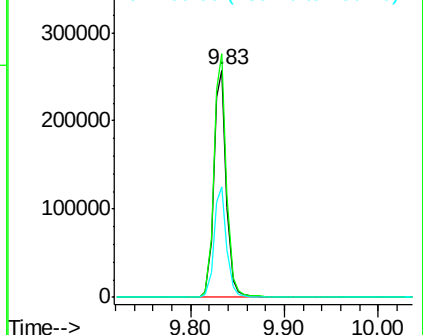
160 48.9 38.3 57.5



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: 83.737 ng

RT: 10.63 min Scan# 1452

Delta R.T. -0.01 min

Lab File: BF101620.D

Acq: 21 Dec 2017 21:15

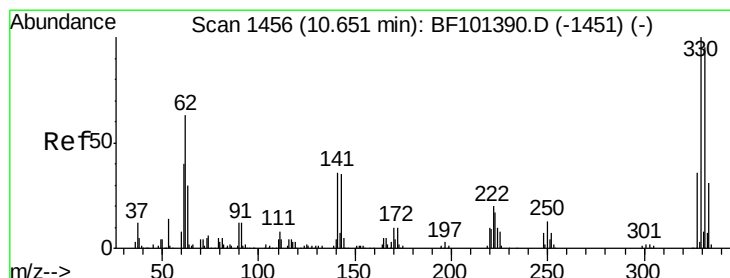
Tgt Ion:330 Resp: 198194

Ion Ratio Lower Upper

330 100

332 97.8 77.0 115.6

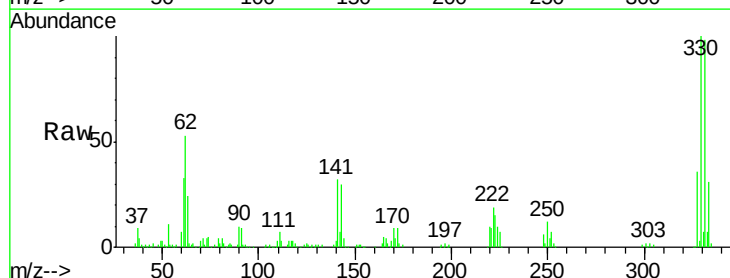
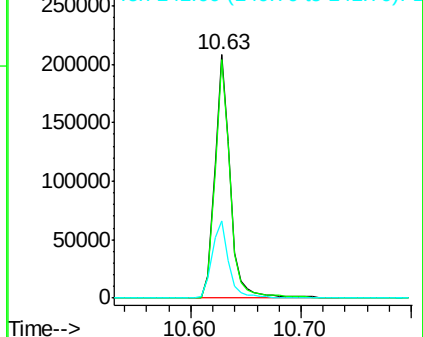
141 34.7 29.9 44.9

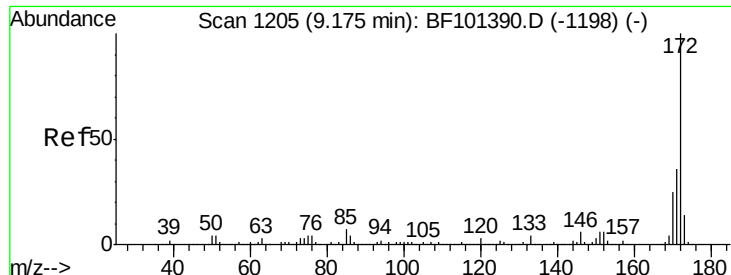


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

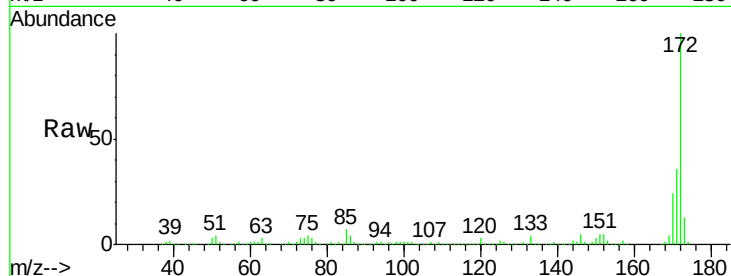




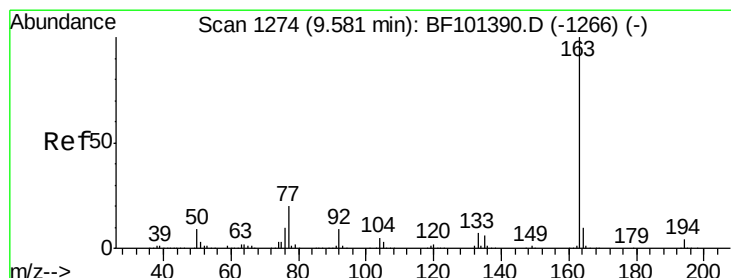
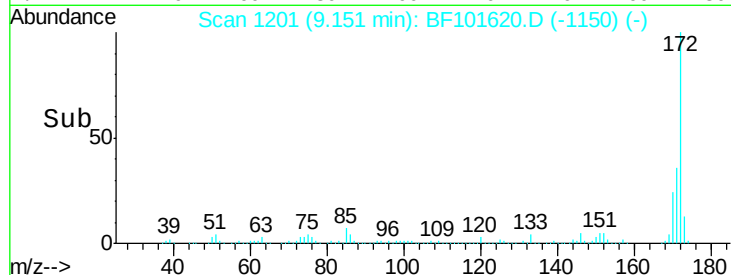
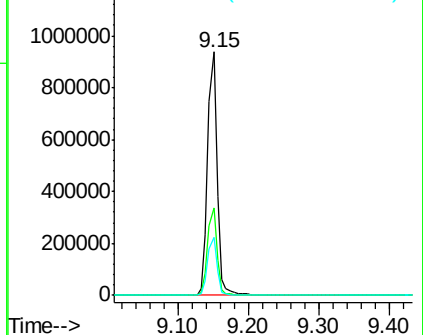
#44
2-Fluorobiphenyl
Concen: 55.571 ng
RT: 9.15 min Scan# 1201
Delta R.T. 0.00 min
Lab File: BF101620.D
Acq: 21 Dec 2017 21:15

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 879945
Ion Ratio Lower Upper
172 100
171 35.9 29.7 44.5
170 23.9 19.6 29.4

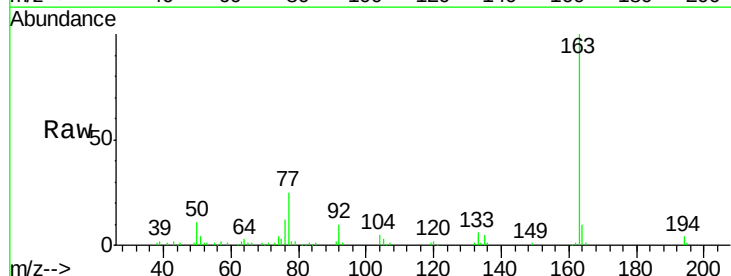


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

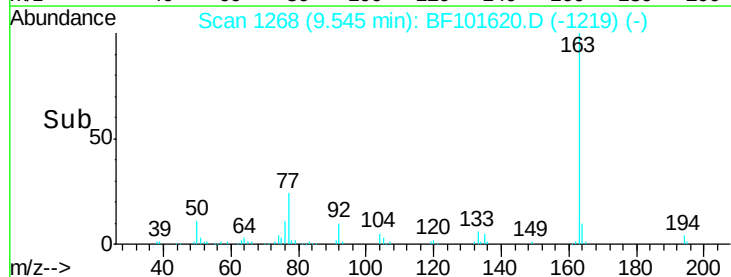
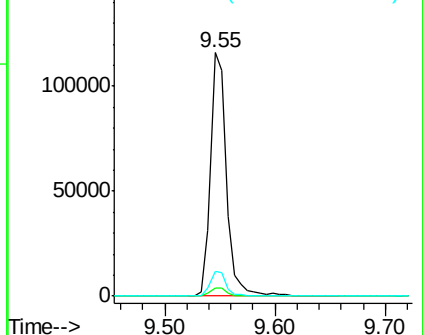


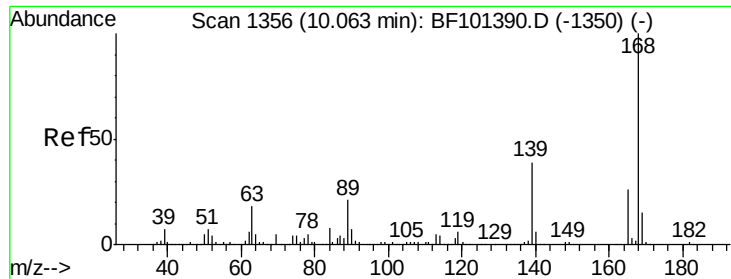
#49
Dimethylphthalate
Concen: 5.773 ng
RT: 9.55 min Scan# 1268
Delta R.T. -0.01 min
Lab File: BF101620.D
Acq: 21 Dec 2017 21:15

Tgt Ion:163 Resp: 114069
Ion Ratio Lower Upper
163 100
194 3.5 2.7 4.1
164 10.2 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

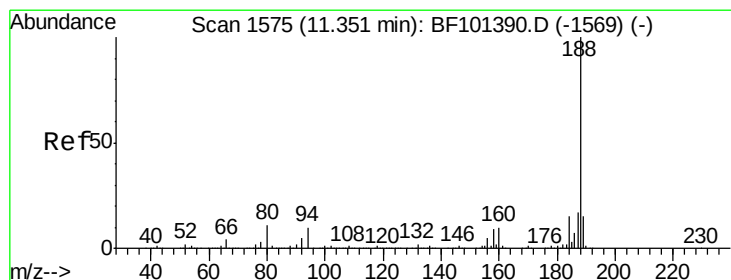
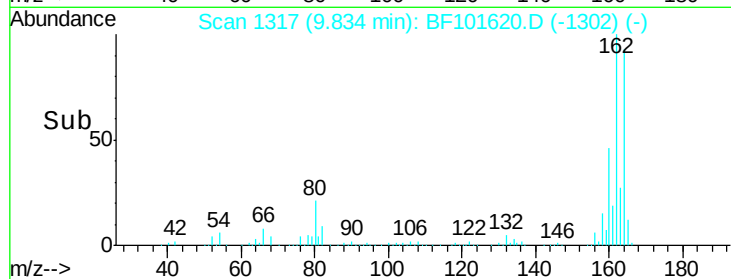
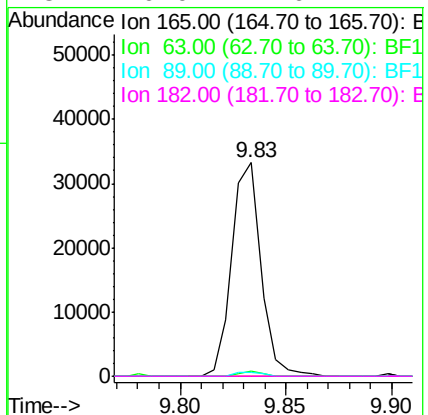
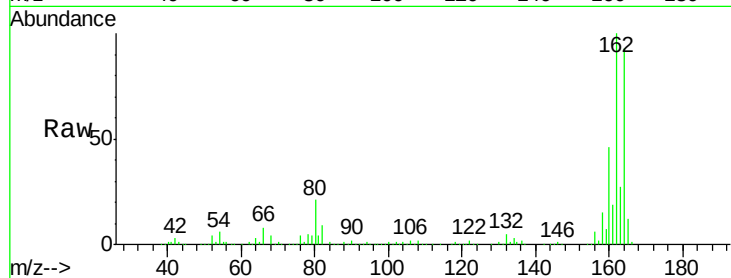




#56
2,4-Dinitrotoluene
Concen: 7.007 ng
RT: 9.83 min Scan# 1317
Delta R.T. -0.21 min
Lab File: BF101620.D
Acq: 21 Dec 2017 21:15

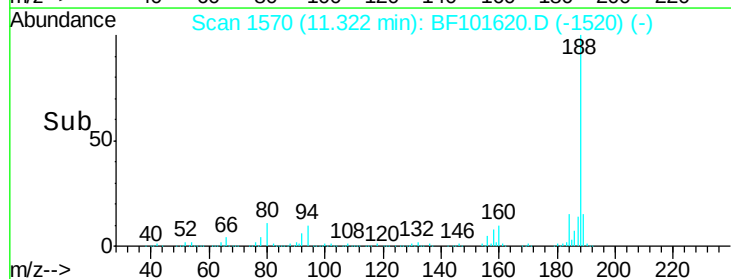
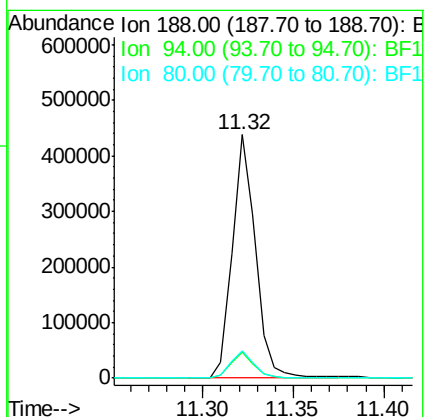
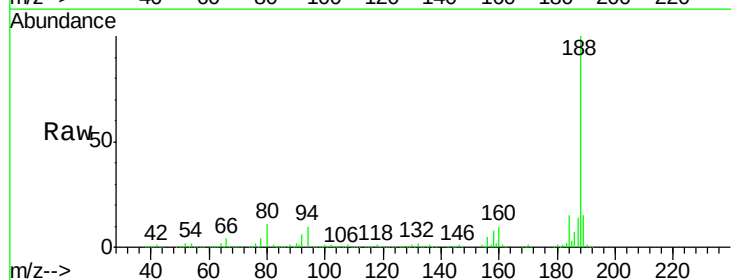
Instrument :
BNA_F
ClientSampled :

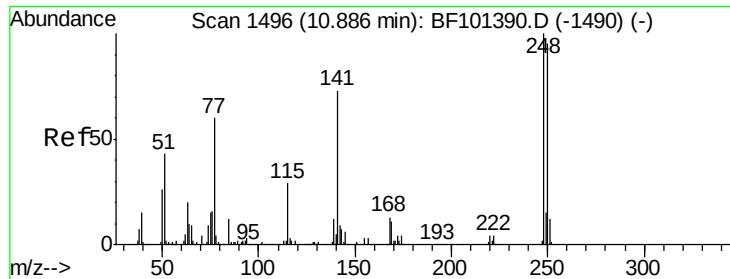
Tot Ion	Ratio	Lower	Upper
165	100		
63	2.1	36.4	54.6#
89	2.0	57.8	86.6#
182	0.0	1.6	2.4#



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.32 min Scan# 1570
Delta R.T. -0.01 min
Lab File: BF101620.D
Acq: 21 Dec 2017 21:15

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.4	8.5	12.7
80	11.2	9.2	13.8

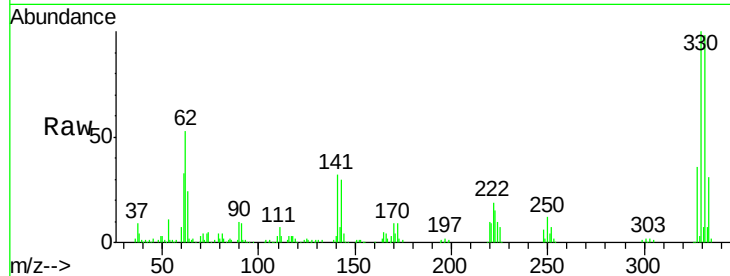




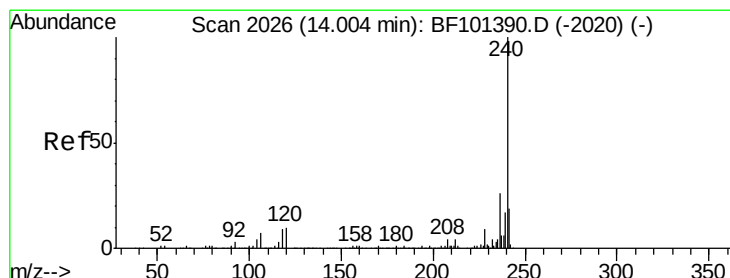
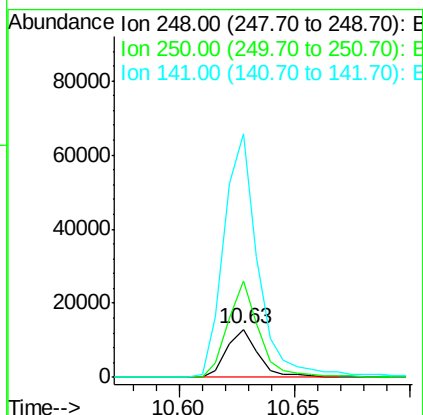
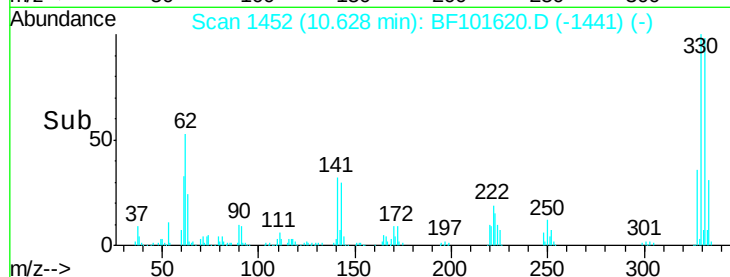
#66
 4-Bromophenyl-phenylether
 Concen: 2.768 ng
 RT: 10.63 min Scan# 1452
 Delta R.T. -0.24 min
 Lab File: BF101620.D
 Acq: 21 Dec 2017 21:15

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
248	100		
250	201.3	76.9	115.3#
141	508.6	74.4	111.6#

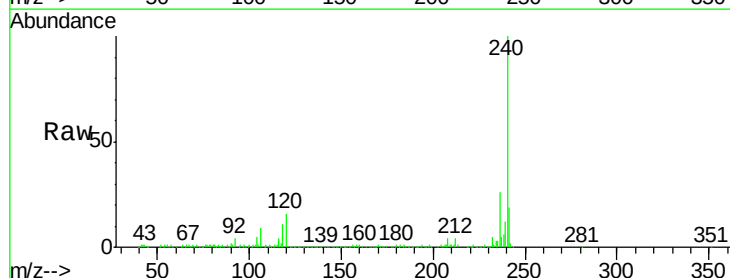


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

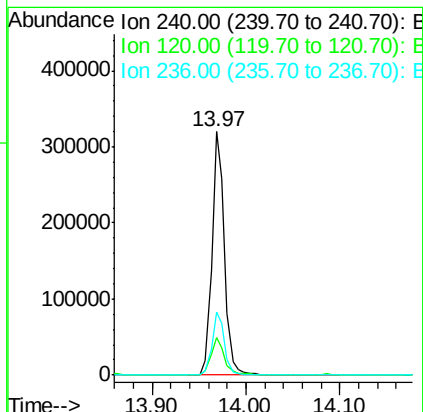
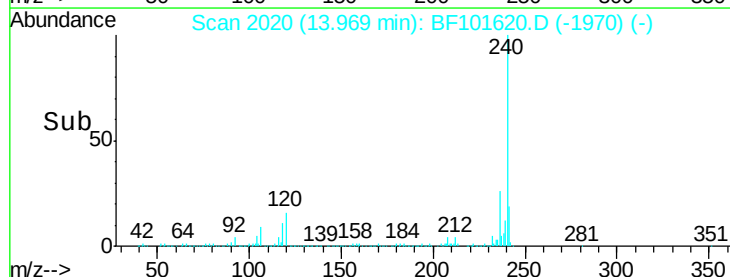


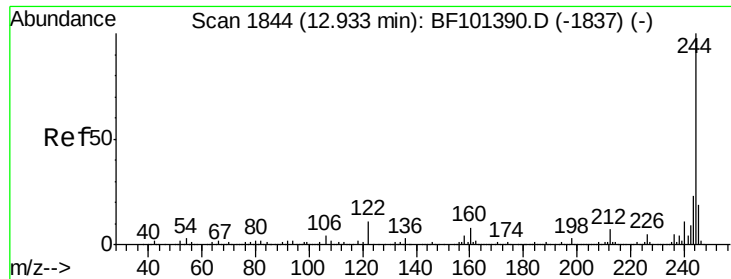
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.97 min Scan# 2020
 Delta R.T. -0.01 min
 Lab File: BF101620.D
 Acq: 21 Dec 2017 21:15

Tgt Ion	Ratio	Lower	Upper
240	100		
120	15.7	9.5	14.3#
236	25.9	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: 47.854 ng

RT: 12.90 min Scan# 1839

Delta R.T. -0.01 min

Lab File: BF101620.D

Acq: 21 Dec 2017 21:15

Instrument :

BNA_F

ClientSampleId :

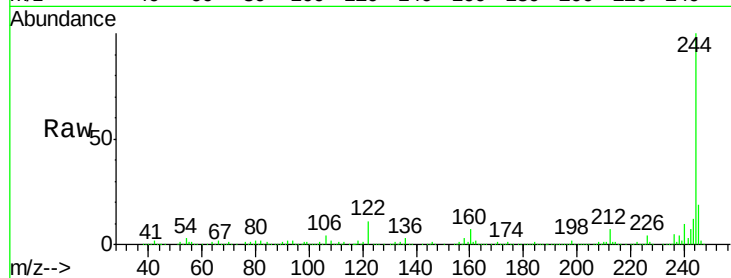
Tot Ion:244 Resp: 598442

Ion Ratio Lower Upper

244 100

212 7.0 5.4 8.0

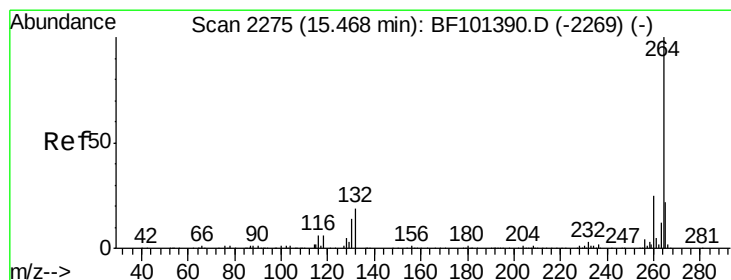
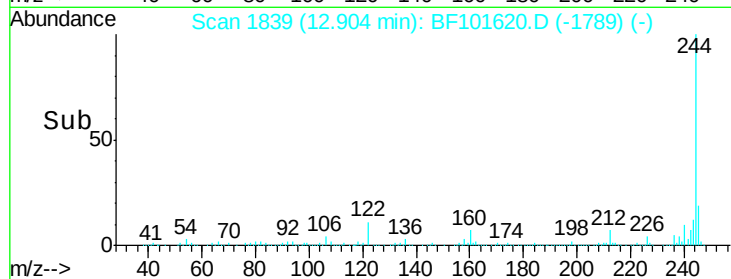
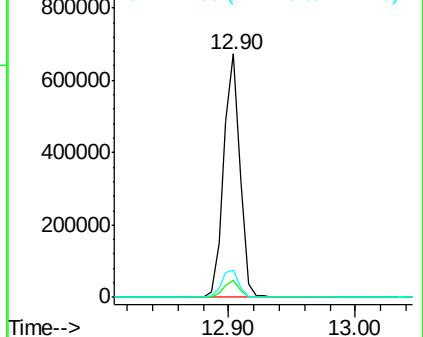
122 11.3 11.0 16.4



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: BF101620.D

Acq: 21 Dec 2017 21:15

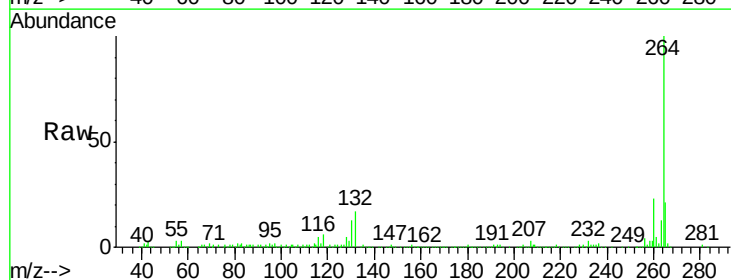
Tgt Ion:264 Resp: 255516

Ion Ratio Lower Upper

264 100

260 22.5 19.2 28.8

265 20.6 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

