

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF121417\
 Data File : BF101400.D
 Acq On : 14 Dec 2017 18:29
 Operator : SJ/JU
 Sample : PB104947BL
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 14 23:45:53 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 14 15:42:32 2017
 Response via : Initial Calibration

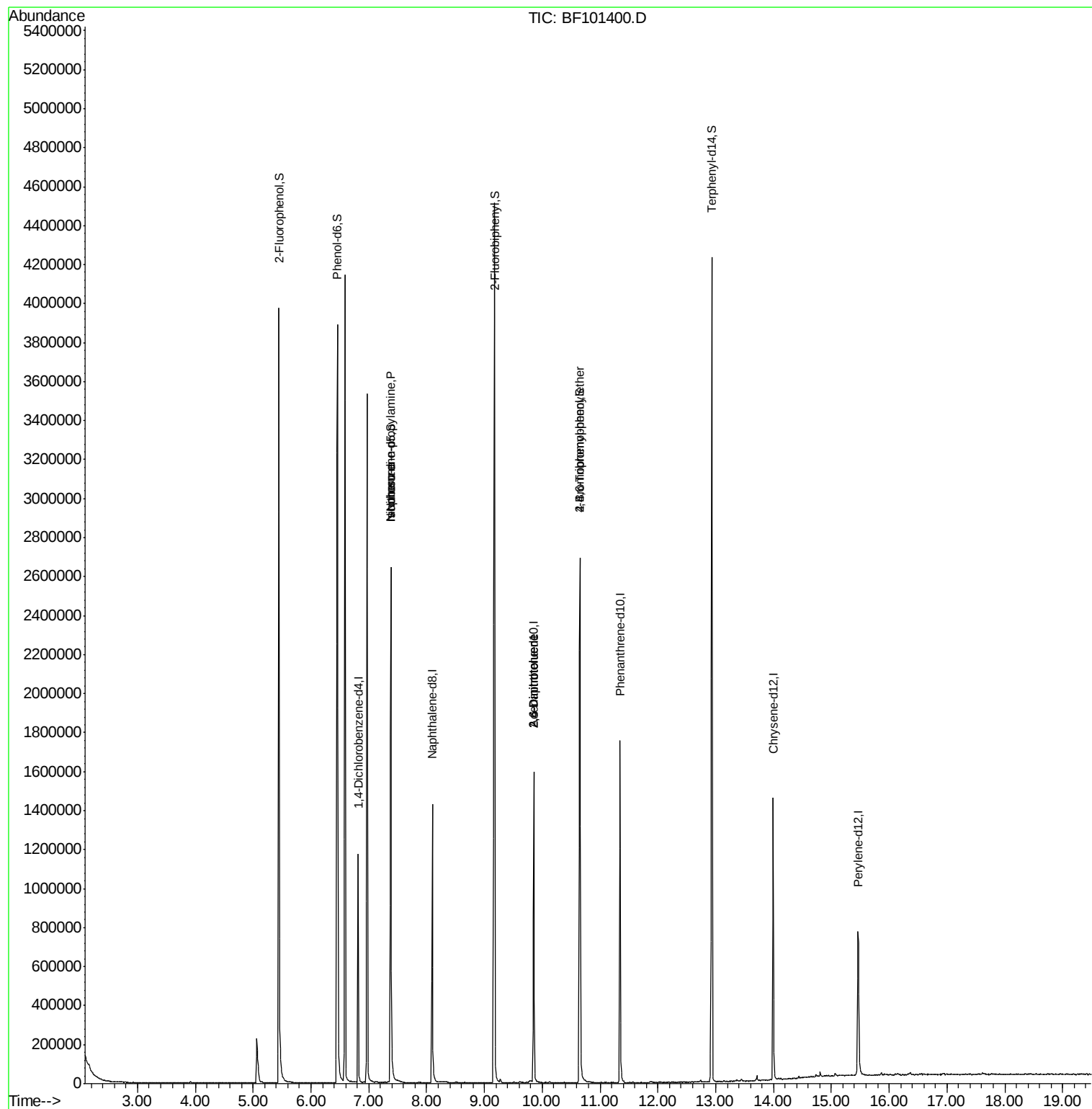
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	184863	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	755045	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	346161	20.00	ng	0.00
63) Phenanthrene-d10	11.34	188	683124	20.00	ng	0.00
75) Chrysene-d12	13.99	240	544185	20.00	ng	-0.01
86) Perylene-d12	15.46	264	409527	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	1353782	109.08	ng	0.01
7) Phenol-d6	6.46	99	1644627	106.48	ng	0.00
23) Nitrobenzene-d5	7.39	82	1104300	81.41	ng	0.00
41) 2,4,6-Tribromophenol	10.65	330	396326	118.82	ng	0.00
44) 2-Fluorobiphenyl	9.17	172	1800634	80.69	ng	0.00
78) Terphenyl-d14	12.93	244	1753718	77.69	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.39	70	148236	14.614	ng	# 83
25) Isophorone	7.39	82	1098127	40.357	ng	# 64
50) 2,6-Dinitrotoluene	9.85	165	43853	7.749	ng	# 26
56) 2,4-Dinitrotoluene	9.85	165	43853	6.878	ng	# 23
66) 4-Bromophenyl-phenylether	10.65	248	24558	3.199	ng	# 1

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

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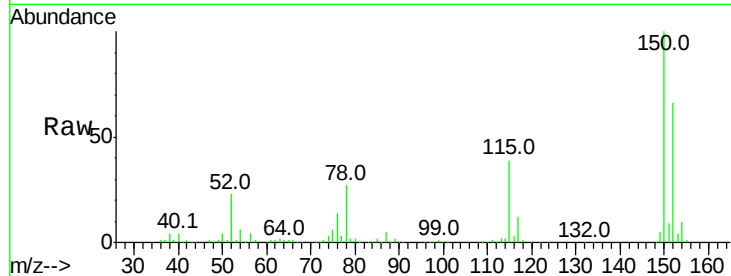


#1

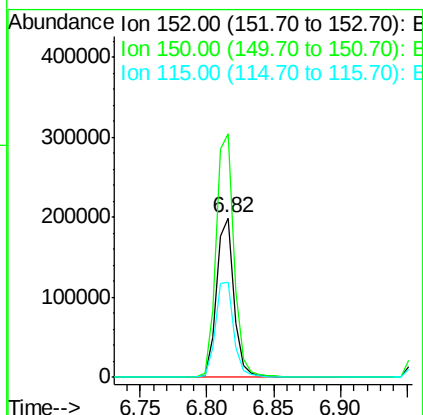
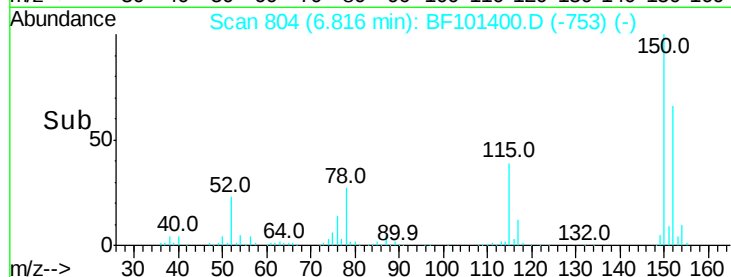
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 804
Delta R.T. -0.00 min
Lab File: BF101400.D
Acq: 14 Dec 2017 18:29

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 184863
Ion Ratio Lower Upper
152 100
150 152.4 124.6 186.8
115 59.7 50.1 75.1



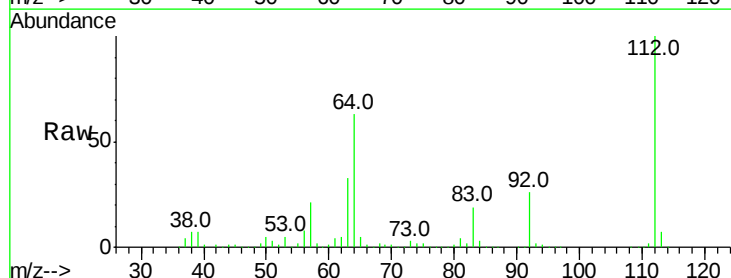
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



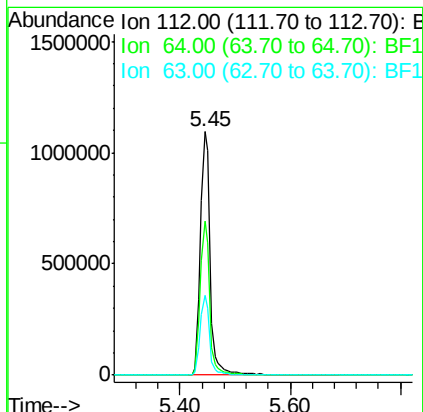
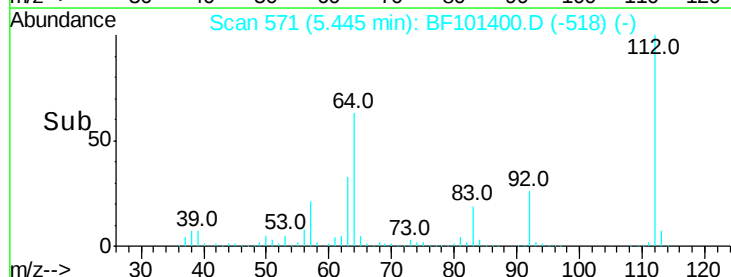
#5

2-Fluorophenol
Concen: 109.084 ng
RT: 5.45 min Scan# 571
Delta R.T. 0.01 min
Lab File: BF101400.D
Acq: 14 Dec 2017 18:29

Tgt Ion:112 Resp: 1353782
Ion Ratio Lower Upper
112 100
64 63.1 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: 106.481 ng

RT: 6.46 min Scan# 743

Delta R.T. -0.00 min

Lab File: BF101400.D

Acq: 14 Dec 2017 18:29

Instrument :

BNA_F

ClientSampleId :

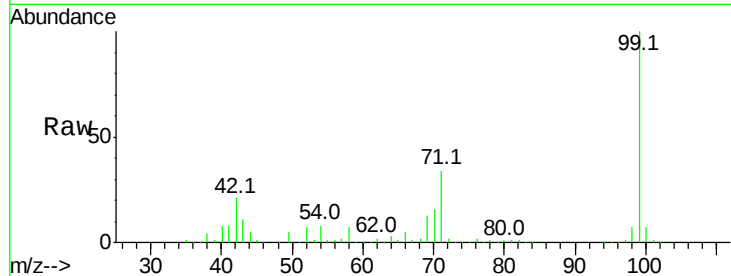
Tot Ion: 99 Resp: 1644627

Ion Ratio Lower Upper

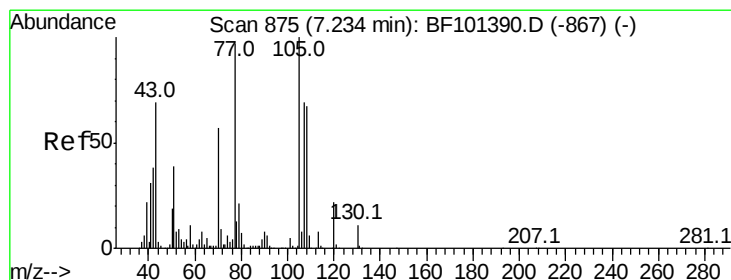
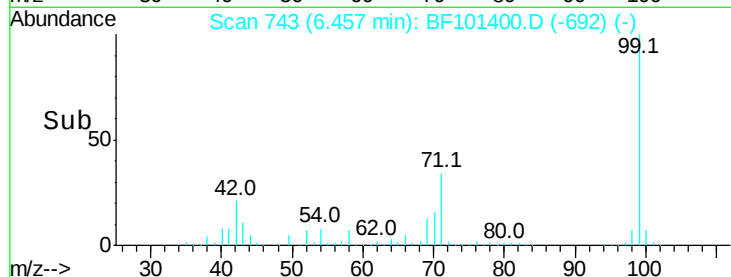
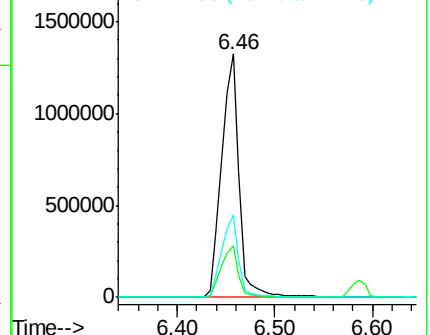
99 100

42 21.3 14.5 21.7

71 33.8 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: 14.614 ng

RT: 7.39 min Scan# 901

Delta R.T. 0.15 min

Lab File: BF101400.D

Acq: 14 Dec 2017 18:29

Tgt Ion: 70 Resp: 148236

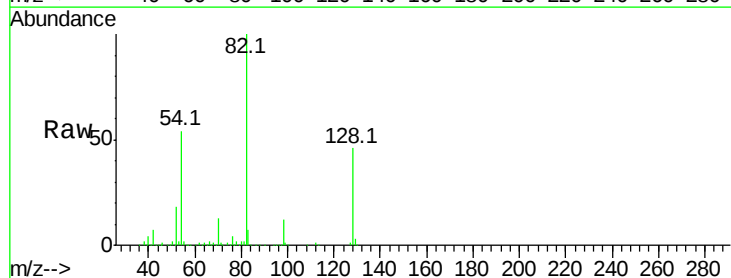
Ion Ratio Lower Upper

70 100

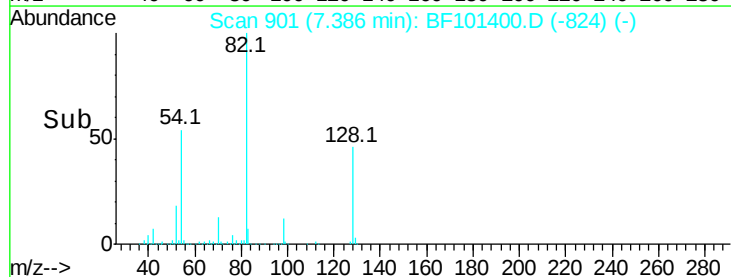
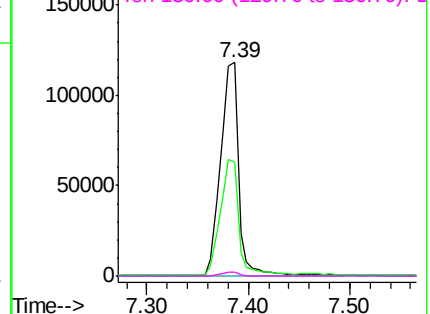
42 53.6 47.5 71.3

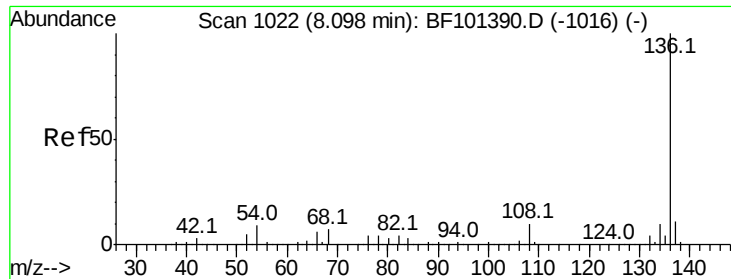
101 0.0 7.4 11.2#

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): BF1
Ion 130.00 (129.70 to 130.70): BF1

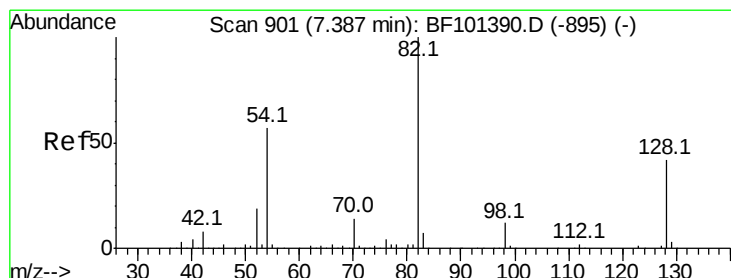
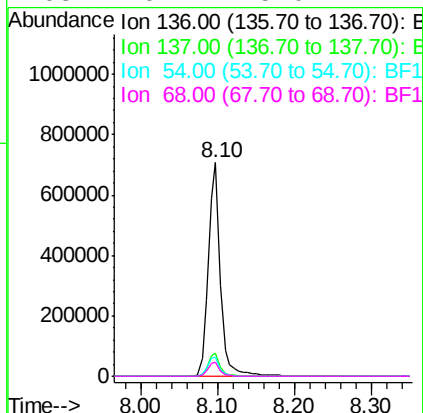
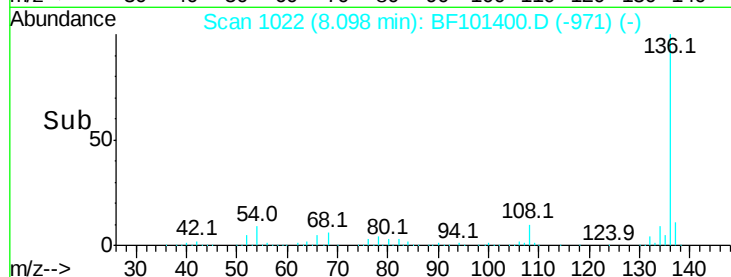
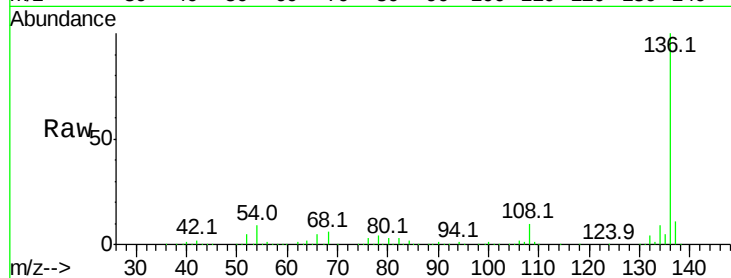




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.10 min Scan# 1022
Delta R.T. -0.00 min
Lab File: BF101400.D
Acq: 14 Dec 2017 18:29

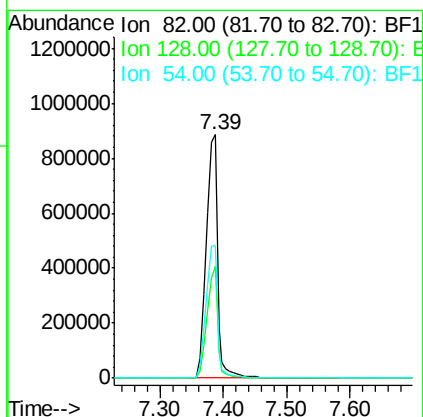
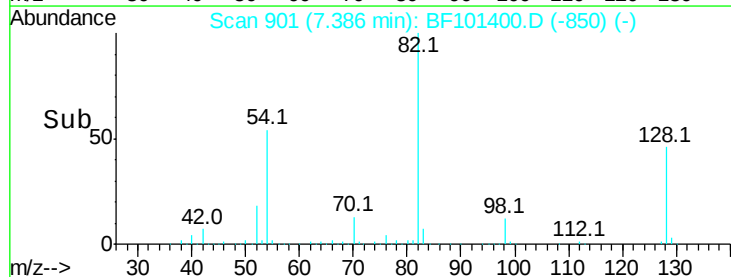
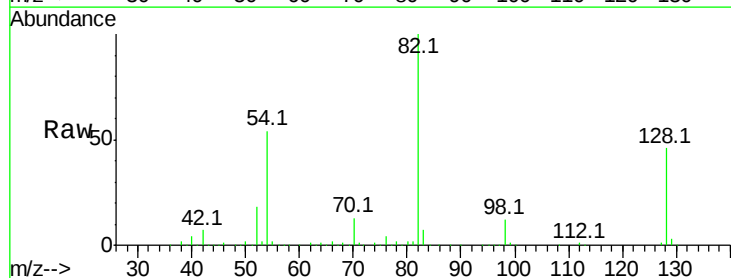
Instrument :
BNA_F
ClientSampled :

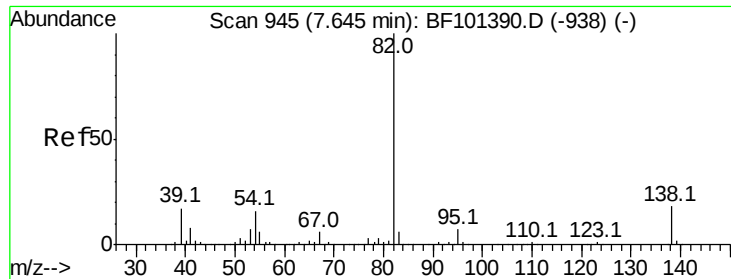
Tot Ion:	136	Resp:	755045
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.9	13.3
54	9.0	6.6	9.8
68	6.4	5.0	7.4



#23
Nitrobenzene-d5
Concen: 81.415 ng
RT: 7.39 min Scan# 901
Delta R.T. -0.00 min
Lab File: BF101400.D
Acq: 14 Dec 2017 18:29

Tgt Ion:	82	Resp:	1104300
Ion	Ratio	Lower	Upper
82	100		
128	45.7	36.1	54.1
54	54.3	41.4	62.2





#25

Isophorone

Concen: 40.357 ng

RT: 7.39 min Scan# 901

Delta R.T. -0.26 min

Lab File: BF101400.D

Acq: 14 Dec 2017 18:29

Instrument :

BNA_F

ClientSampled :

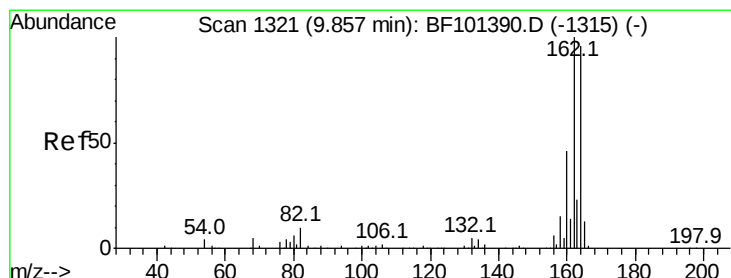
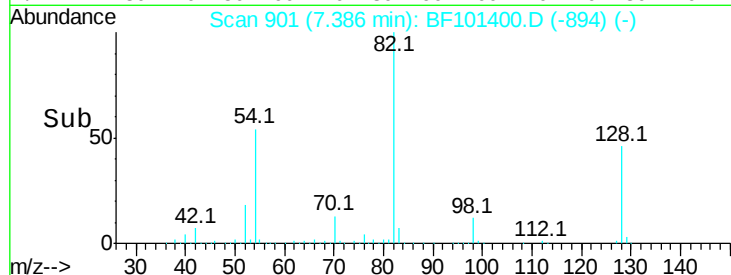
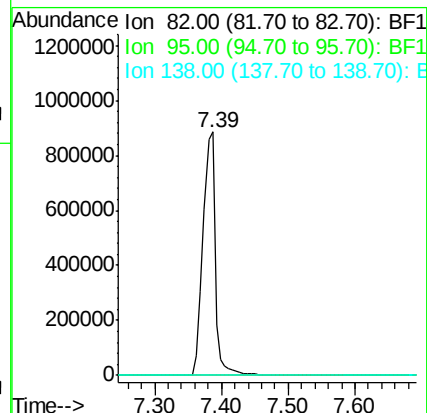
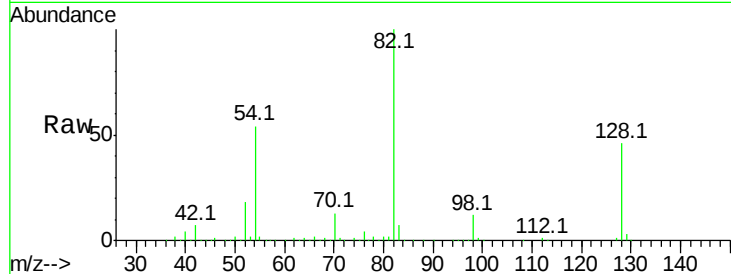
Tot Ion: 82 Resp: 1098127

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: 9.85 min Scan# 1320

Delta R.T. -0.01 min

Lab File: BF101400.D

Acq: 14 Dec 2017 18:29

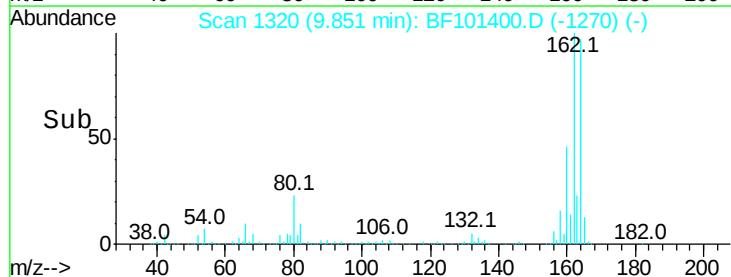
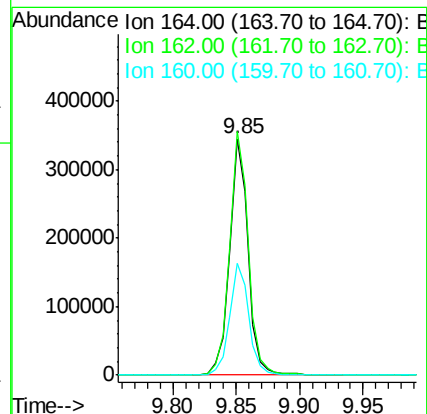
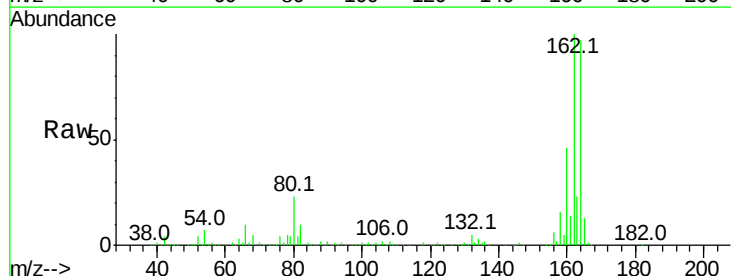
Tgt Ion: 164 Resp: 346161

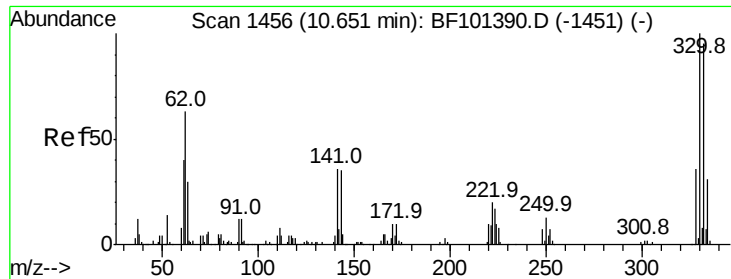
Ion Ratio Lower Upper

164 100

162 103.2 86.1 129.1

160 47.2 38.3 57.5

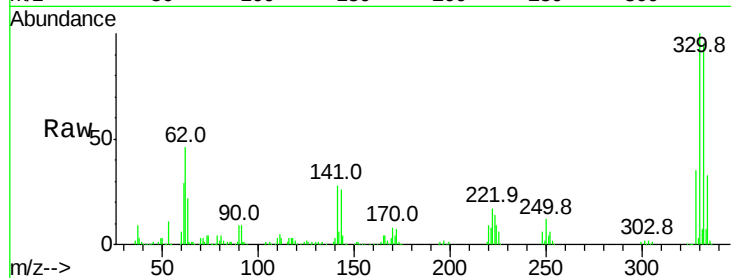




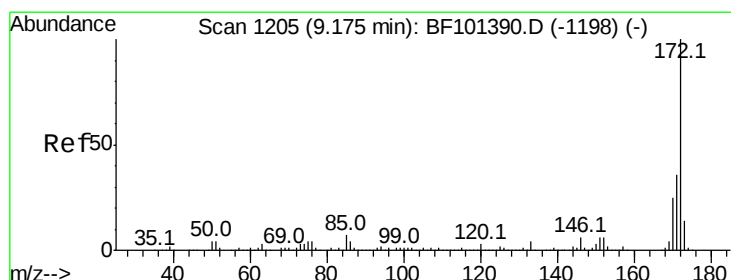
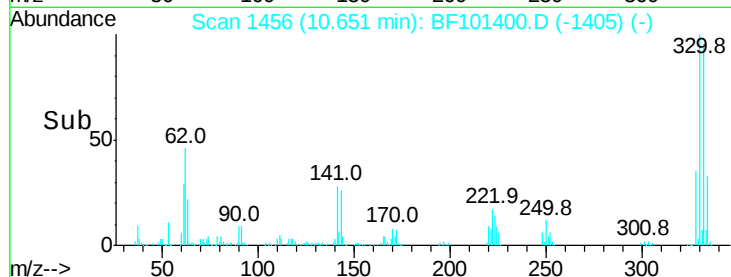
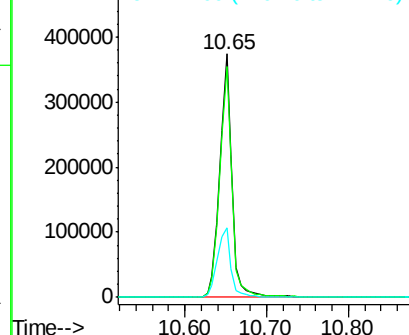
#41
 2,4,6-Tribromophenol
 Concen: 118.819 ng
 RT: 10.65 min Scan# 1456
 Delta R.T. -0.00 min
 Lab File: BF101400.D
 Acq: 14 Dec 2017 18:29

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.1	77.0	115.6
141	31.5	29.9	44.9

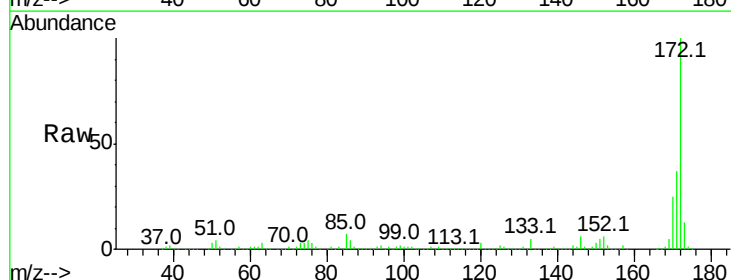


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

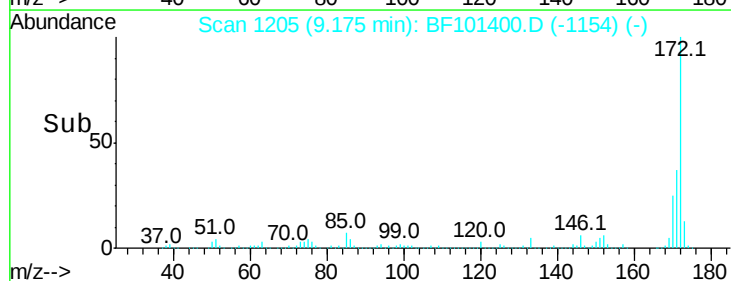
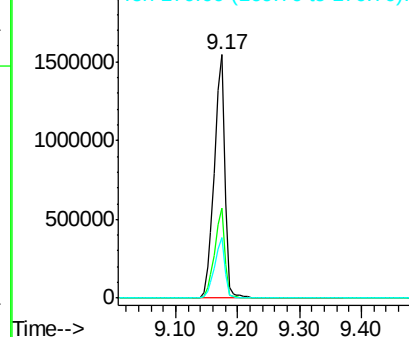


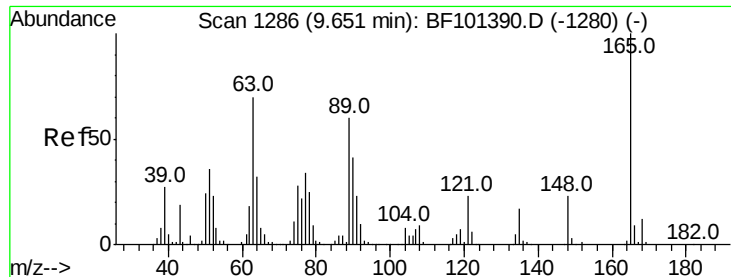
#44
 2-Fluorobiphenyl
 Concen: 80.691 ng
 RT: 9.17 min Scan# 1205
 Delta R.T. -0.00 min
 Lab File: BF101400.D
 Acq: 14 Dec 2017 18:29

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.9	29.7	44.5
170	24.7	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

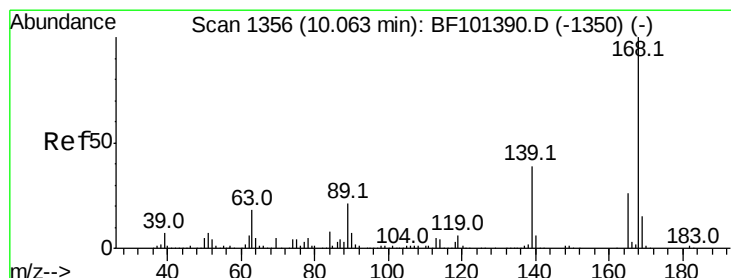
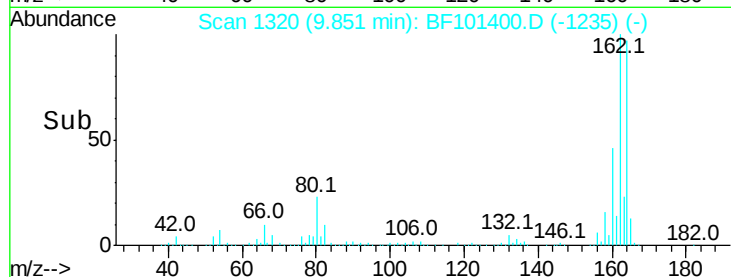
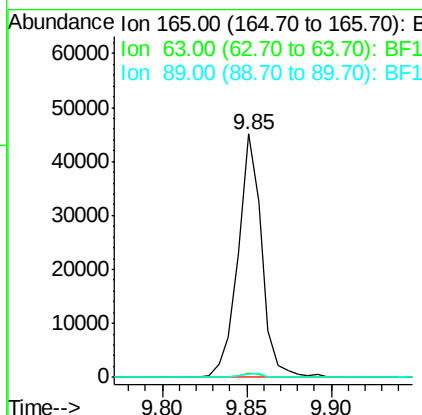
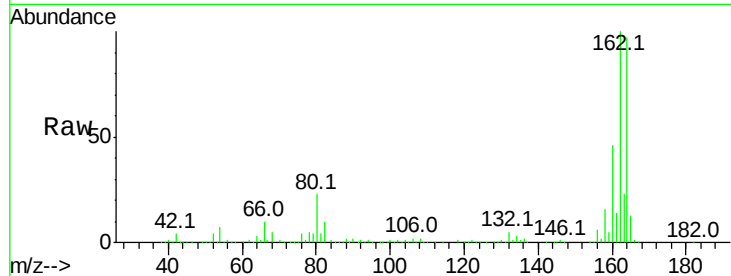




#50
 2,6-Dinitrotoluene
 Concen: 7.749 ng
 RT: 9.85 min Scan# 1320
 Delta R.T. 0.20 min
 Lab File: BF101400.D
 Acq: 14 Dec 2017 18:29

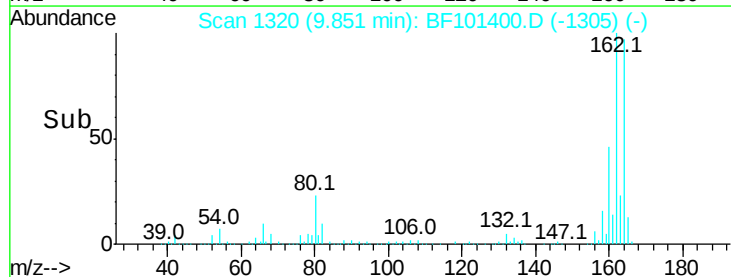
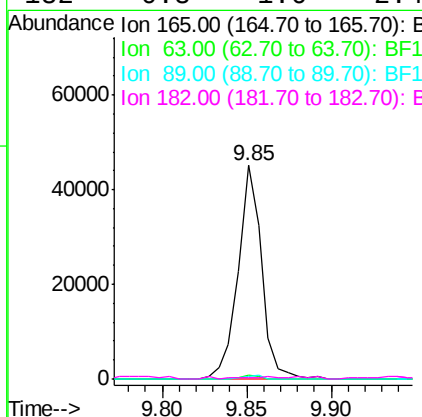
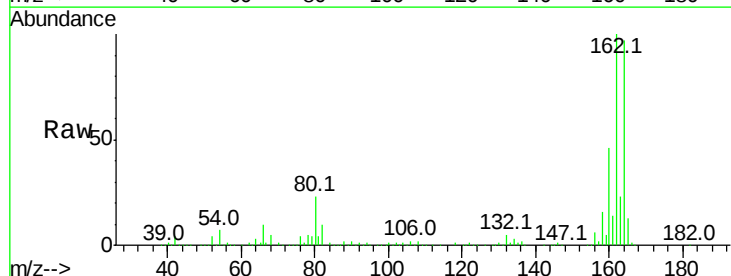
Instrument :
 BNA_F
 ClientSampleId :

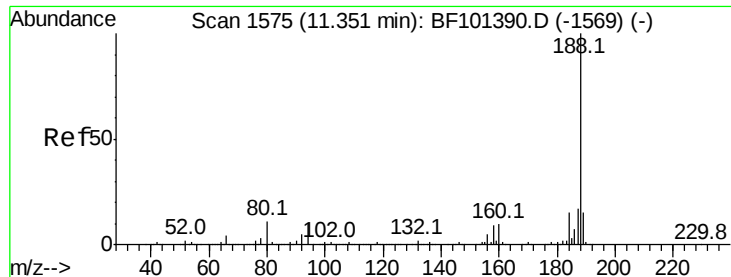
Tot Ion:	165	Resp:	43853
Ion Ratio	Lower	Upper	
165	100		
63	1.7	44.7	67.1#
89	1.3	44.0	66.0#



#56
 2,4-Dinitrotoluene
 Concen: 6.878 ng
 RT: 9.85 min Scan# 1320
 Delta R.T. -0.21 min
 Lab File: BF101400.D
 Acq: 14 Dec 2017 18:29

Tgt Ion:	165	Resp:	43853
Ion Ratio	Lower	Upper	
165	100		
63	1.7	36.4	54.6#
89	1.3	57.8	86.6#
182	0.8	1.6	2.4#





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.34 min Scan# 1574

Delta R.T. -0.01 min

Lab File: BF101400.D

Acq: 14 Dec 2017 18:29

Instrument :

BNA_F

ClientSampleId :

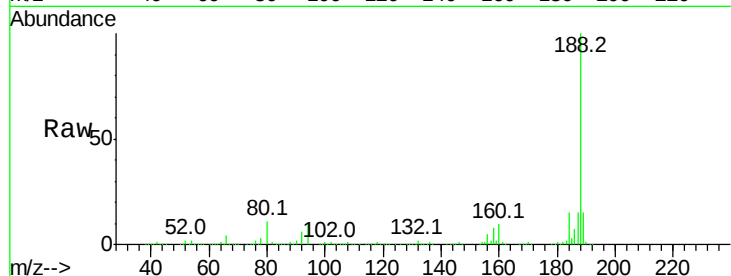
Tot Ion:188 Resp: 683124

Ion Ratio Lower Upper

188 100

94 10.3 8.5 12.7

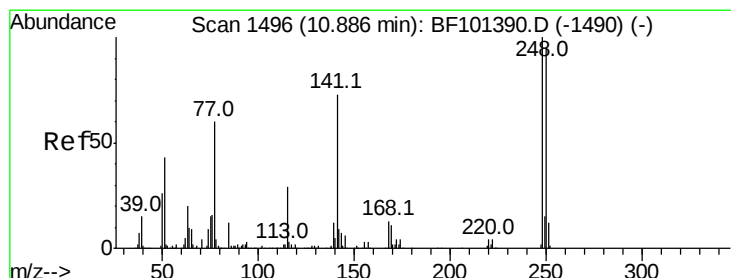
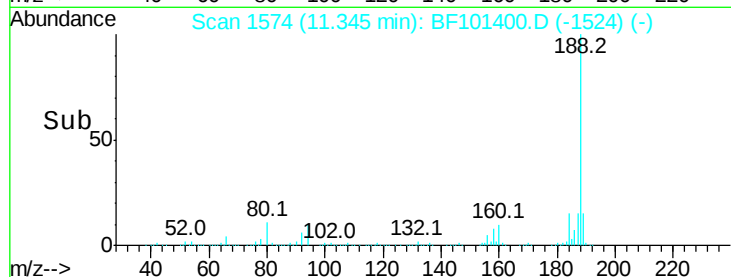
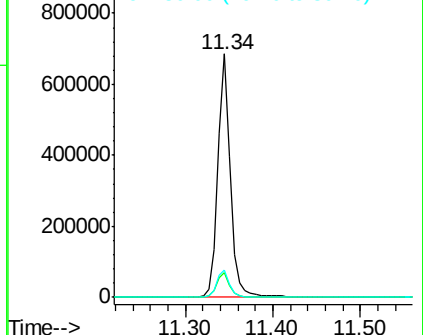
80 11.3 9.2 13.8



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



#66

4-Bromophenyl-phenylether

Concen: 3.199 ng

RT: 10.65 min Scan# 1456

Delta R.T. -0.24 min

Lab File: BF101400.D

Acq: 14 Dec 2017 18:29

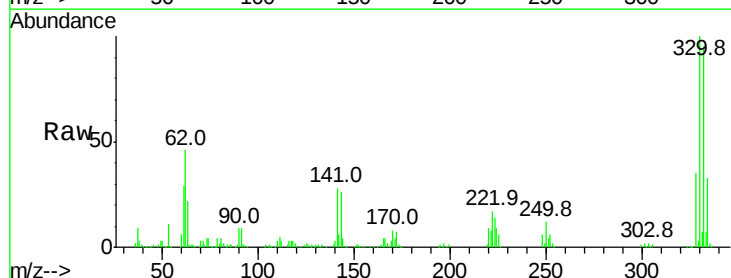
Tgt Ion:248 Resp: 24558

Ion Ratio Lower Upper

248 100

250 194.6 76.9 115.3#

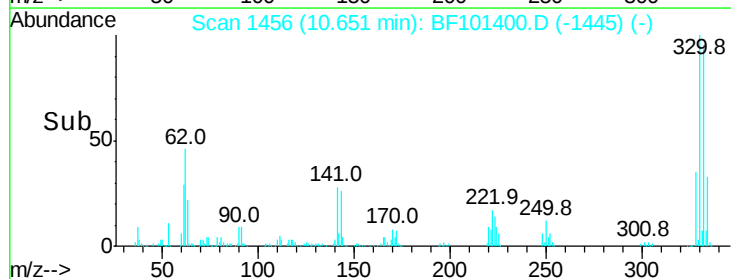
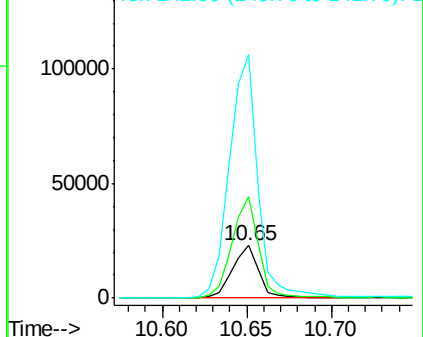
141 465.2 74.4 111.6#

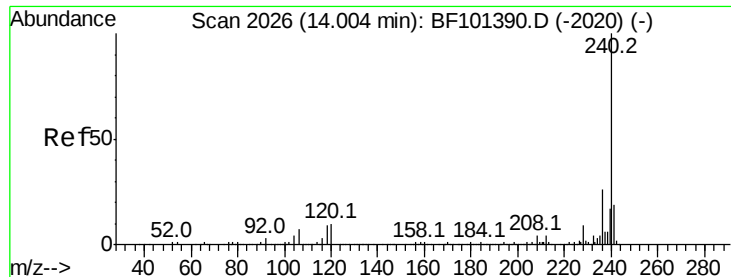


Abundance Ion 248.00 (247.70 to 248.70): E

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: 13.99 min Scan# 2024

Delta R.T. -0.01 min

Lab File: BF101400.D

Acq: 14 Dec 2017 18:29

Instrument :

BNA_F

ClientSampleId :

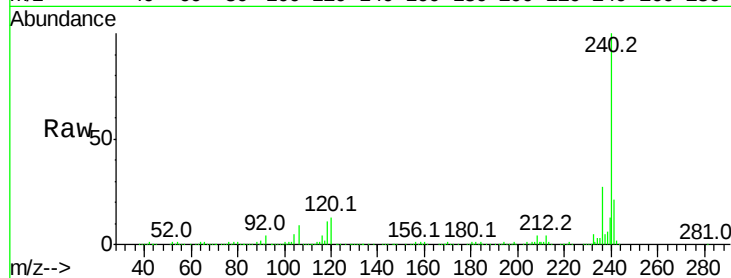
Tot Ion:240 Resp: 544185

Ion Ratio Lower Upper

240 100

120 13.1 9.5 14.3

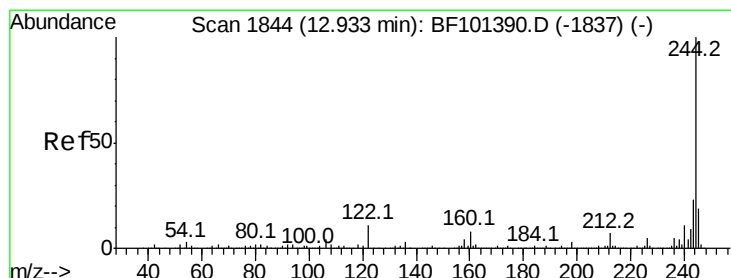
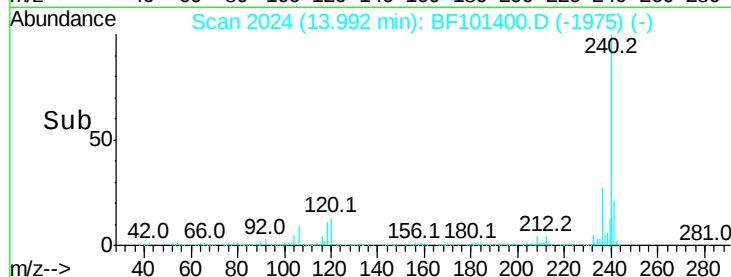
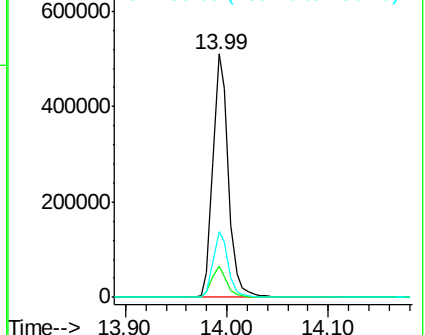
236 26.9 20.7 31.1



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: 77.691 ng

RT: 12.93 min Scan# 1844

Delta R.T. -0.00 min

Lab File: BF101400.D

Acq: 14 Dec 2017 18:29

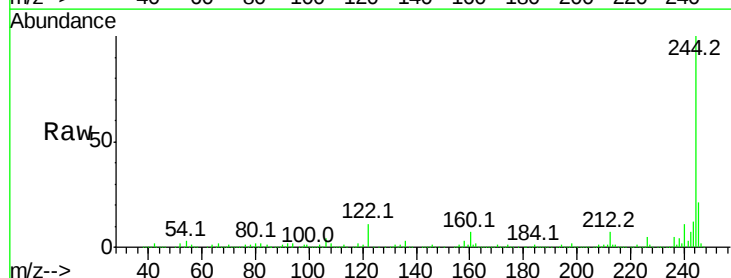
Tgt Ion:244 Resp: 1753718

Ion Ratio Lower Upper

244 100

212 7.3 5.4 8.0

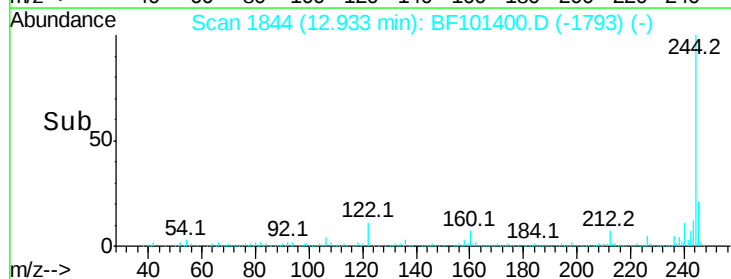
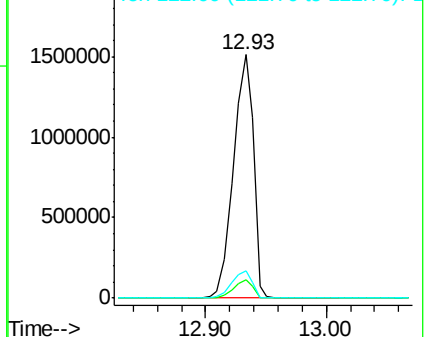
122 11.0 11.0 16.4

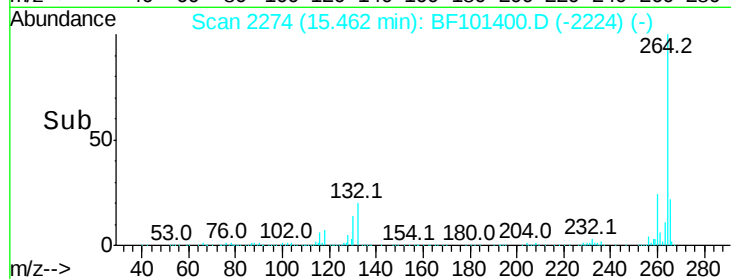
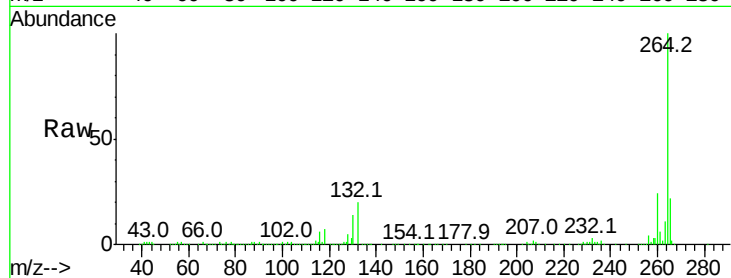
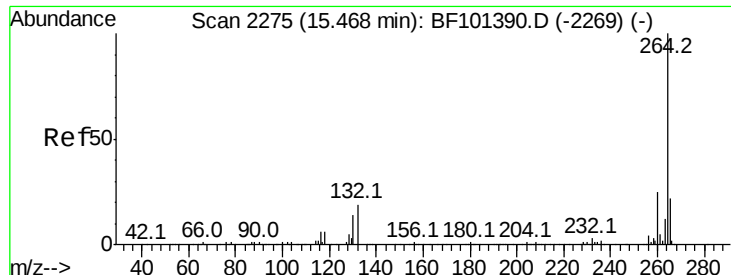


Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.46 min Scan# 2274
 Delta R.T. -0.01 min
 Lab File: BF101400.D
 Acq: 14 Dec 2017 18:29

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.2	28.8
265	21.7	17.5	26.3

