

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF121417\
 Data File : BF101420.D
 Acq On : 15 Dec 2017 3:23
 Operator : SJ/JU
 Sample : I6824-05
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 15 04:53:36 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	6.81	152	182361	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	748394	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	334077	20.00	ng	0.00
63) Phenanthrene-d10	11.35	188	618130	20.00	ng	0.00
75) Chrysene-d12	13.99	240	433803	20.00	ng	-0.01
86) Perylene-d12	15.46	264	346037	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.43	112	719388	58.76	ng	0.00
7) Phenol-d6	6.45	99	569636	37.39	ng	-0.01
23) Nitrobenzene-d5	7.39	82	1139253	84.74	ng	0.00
41) 2,4,6-Tribromophenol	10.65	330	393492	122.24	ng	0.00
44) 2-Fluorobiphenyl	9.17	172	1780623	82.68	ng	0.00
78) Terphenyl-d14	12.93	244	1676119	93.15	ng	0.00

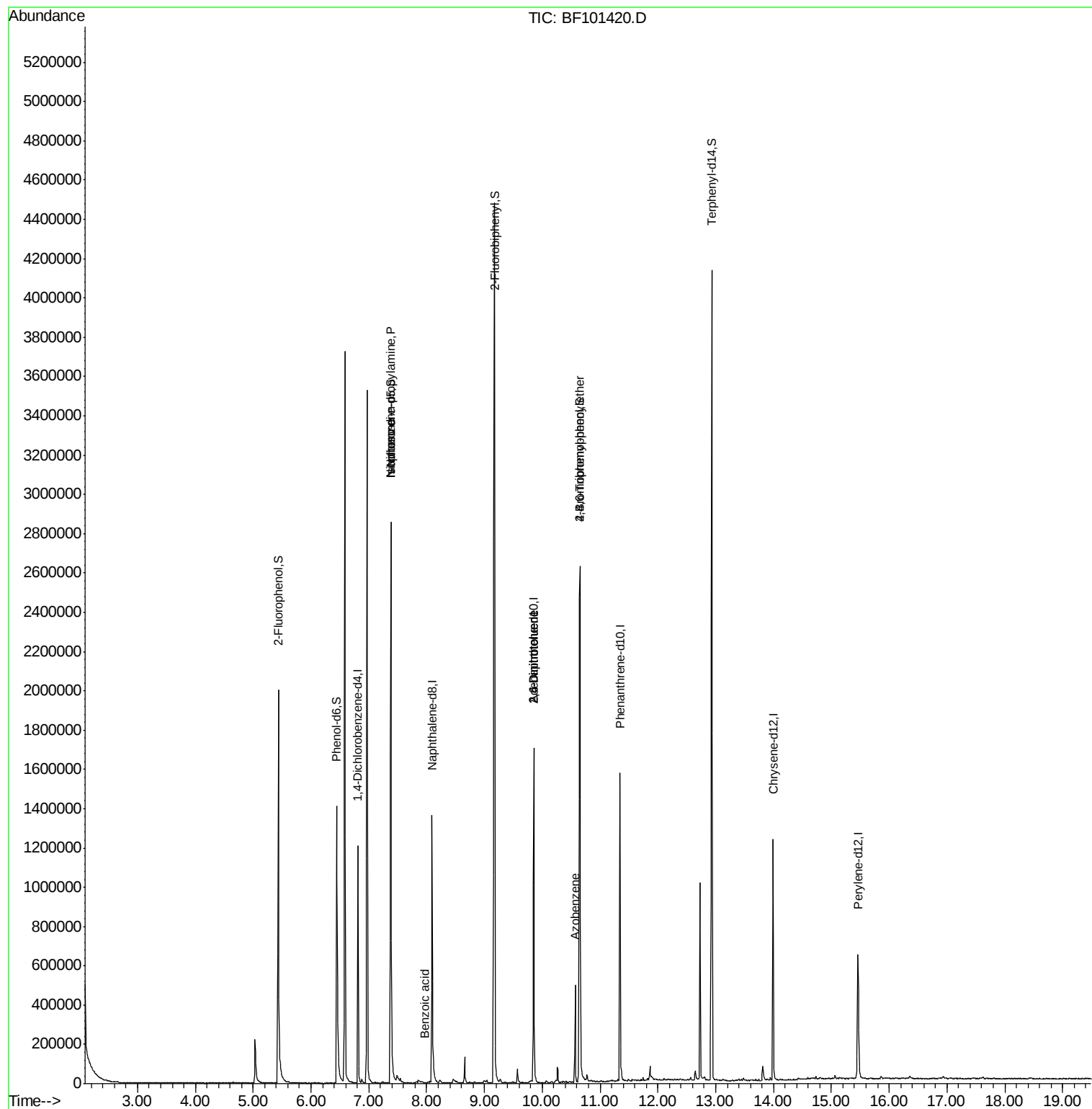
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.39	70	152602	15.251	ng	# 83
25) Isophorone	7.39	82	1139247	42.241	ng	# 64
32) Benzoic acid	7.97	122	110	7.973	ng	# 1
50) 2,6-Dinitrotoluene	9.85	165	42737	7.825	ng	# 26
56) 2,4-Dinitrotoluene	9.85	165	42737	6.945	ng	# 23
62) Azobenzene	10.57	77	99276	3.601	ng	# 1
66) 4-Bromophenyl-phenylether	10.65	248	23396	3.369	ng	# 1

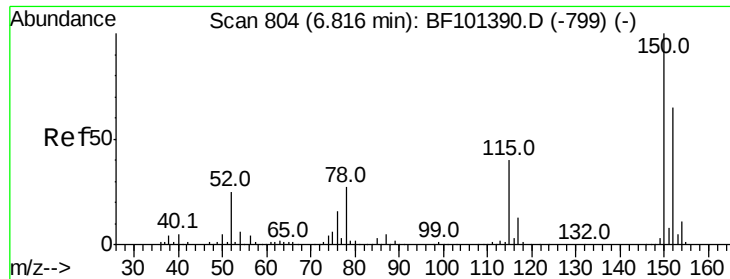
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF121417\
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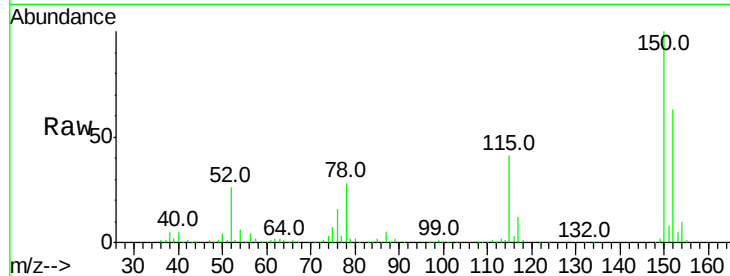


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.81 min Scan# 803
Delta R.T. -0.01 min
Lab File: BF101420.D
Acq: 15 Dec 2017 3:23

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.9	124.6	186.8
115	64.6	50.1	75.1

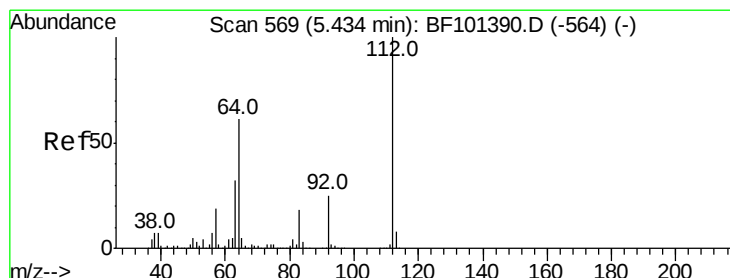
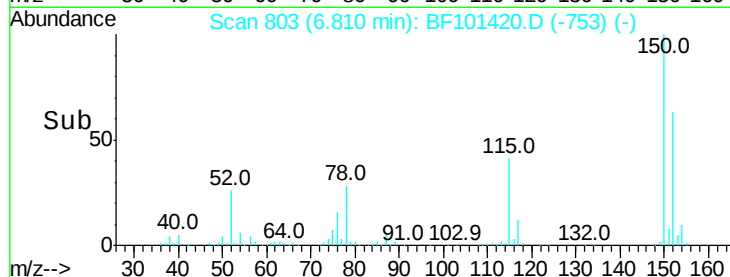
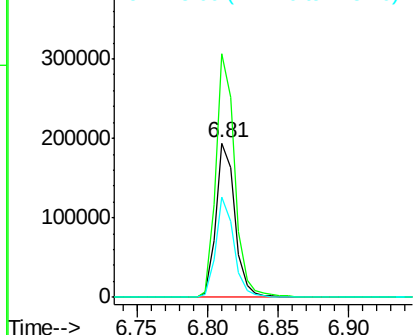


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

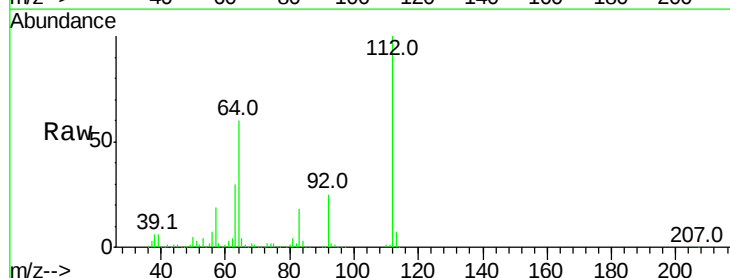
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 58.762 ng
RT: 5.43 min Scan# 569
Delta R.T. -0.00 min
Lab File: BF101420.D
Acq: 15 Dec 2017 3:23

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.8	47.9	71.9
63	29.9	23.7	35.5

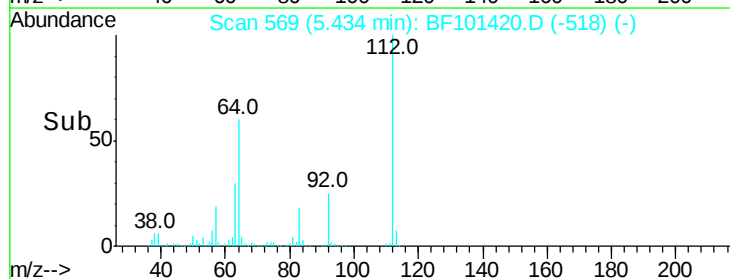
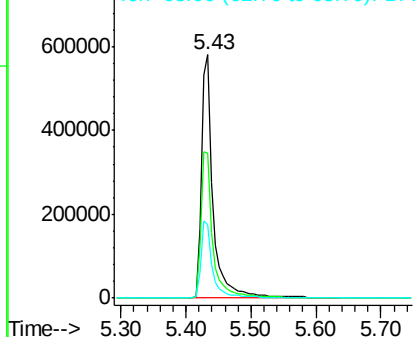


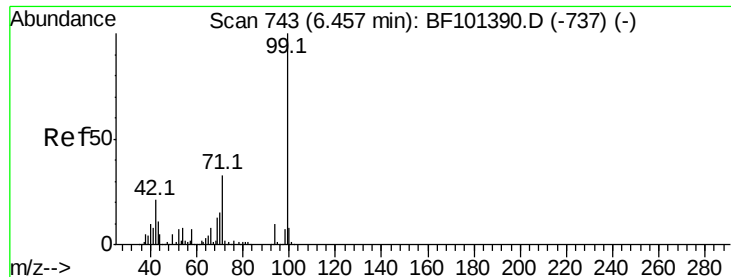
Abundance

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: 37.387 ng

RT: 6.45 min Scan# 741

Delta R.T. -0.01 min

Lab File: BF101420.D

Acq: 15 Dec 2017 3:23

Instrument :

BNA_F

ClientSampleId :

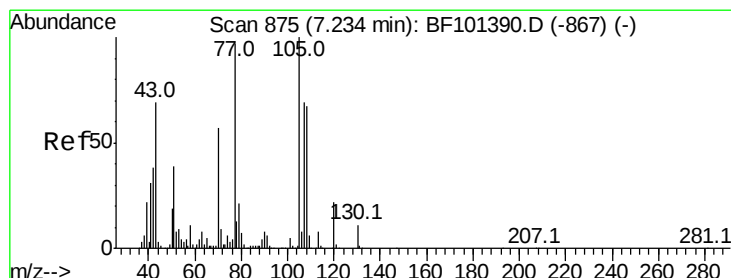
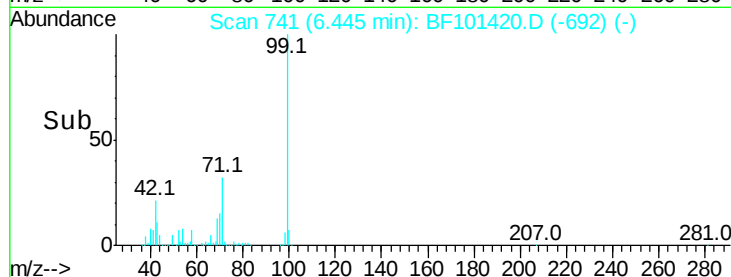
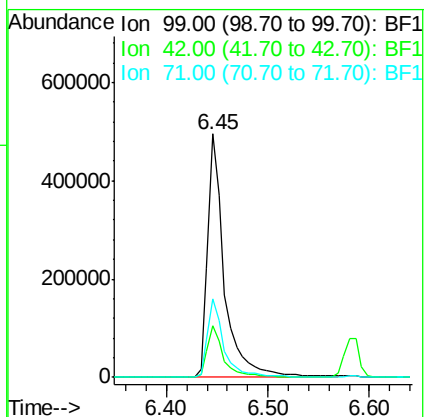
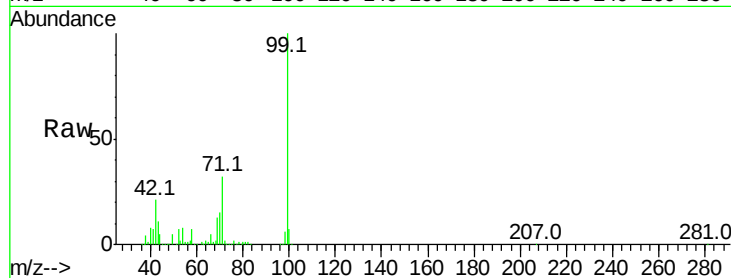
Tot Ion: 99 Resp: 569636

Ion Ratio Lower Upper

99 100

42 21.0 14.5 21.7

71 32.2 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 15.251 ng

RT: 7.39 min Scan# 901

Delta R.T. 0.15 min

Lab File: BF101420.D

Acq: 15 Dec 2017 3:23

Tgt Ion: 70 Resp: 152602

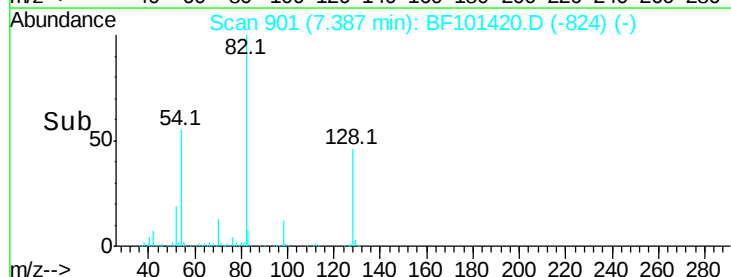
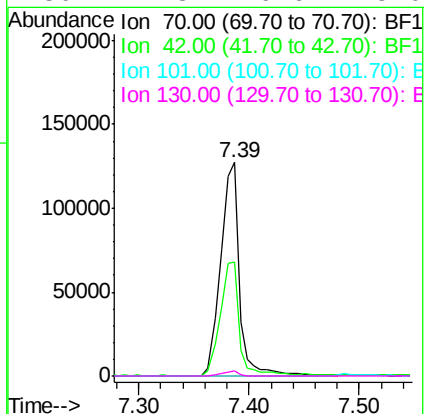
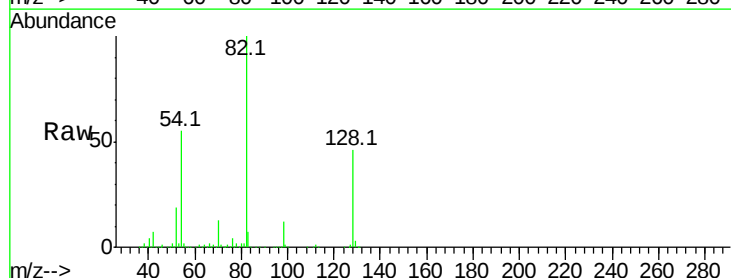
Ion Ratio Lower Upper

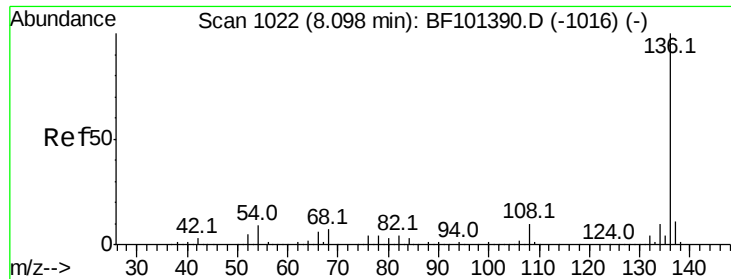
70 100

42 53.1 47.5 71.3

101 0.0 7.4 11.2#

130 2.3 16.6 25.0#

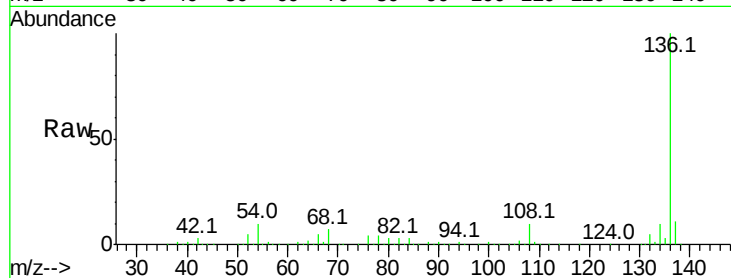




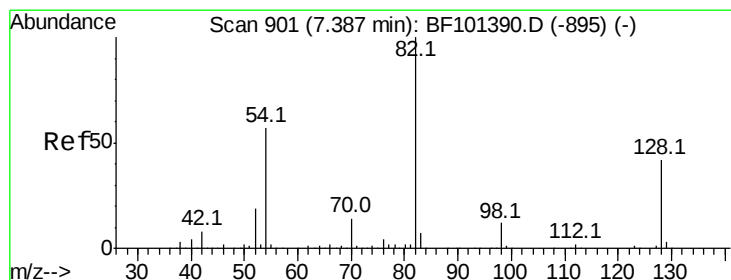
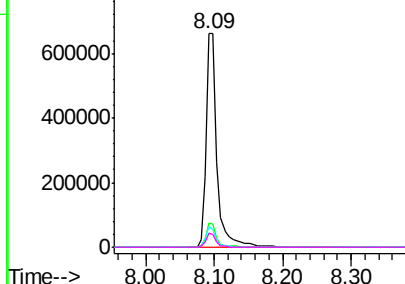
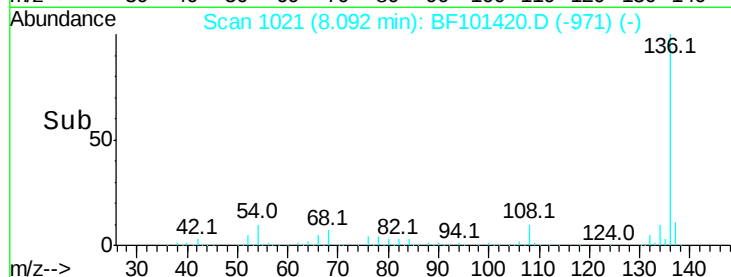
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1021
Delta R.T. -0.01 min
Lab File: BF101420.D
Acq: 15 Dec 2017 3:23

Instrument :
BNA_F
ClientSampled :

Tot Ion:	136	Resp:	748394
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.9	13.3
54	9.8	6.6	9.8#
68	6.9	5.0	7.4

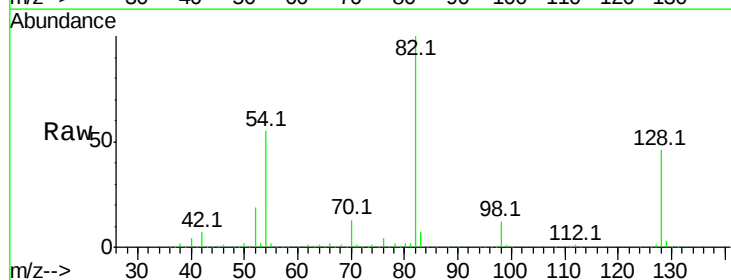


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

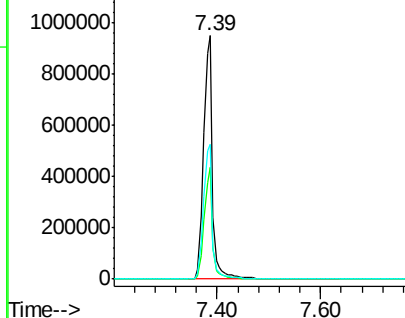
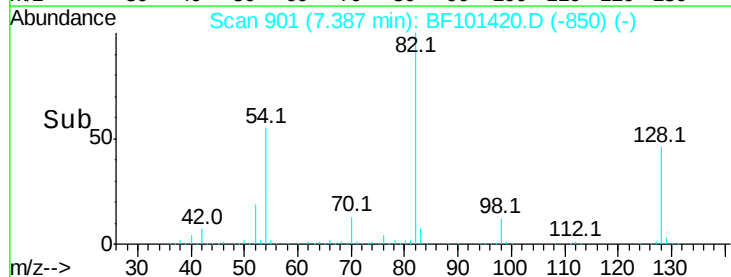


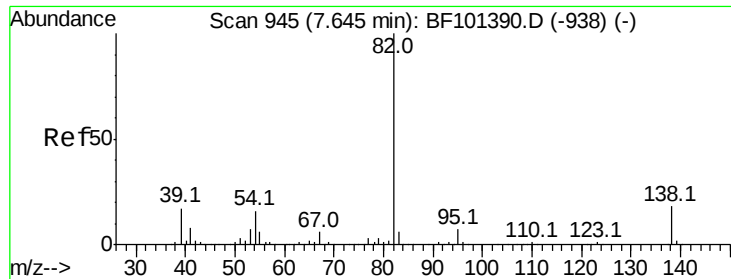
#23
Nitrobenzene-d5
Concen: 84.738 ng
RT: 7.39 min Scan# 901
Delta R.T. -0.00 min
Lab File: BF101420.D
Acq: 15 Dec 2017 3:23

Tgt Ion:	82	Resp:	1139253
Ion	Ratio	Lower	Upper
82	100		
128	46.1	36.1	54.1
54	55.3	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: 42.241 ng

RT: 7.39 min Scan# 901

Delta R.T. -0.26 min

Lab File: BF101420.D

Acq: 15 Dec 2017 3:23

Instrument :

BNA_F

ClientSampleId :

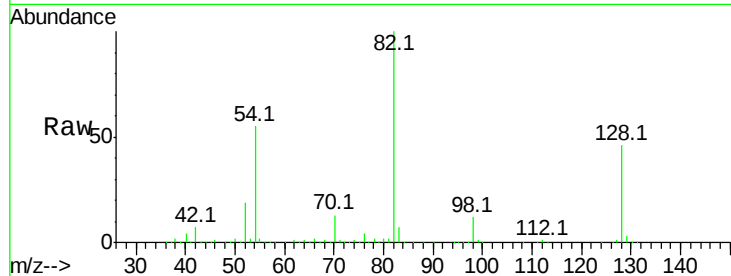
Tot Ion: 82 Resp: 1139247

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

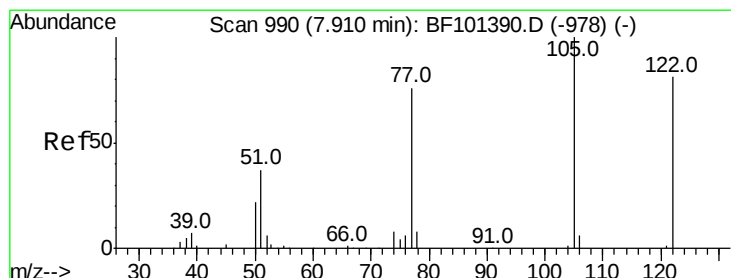
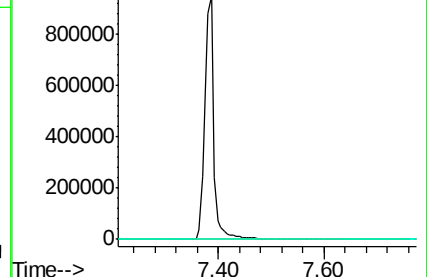
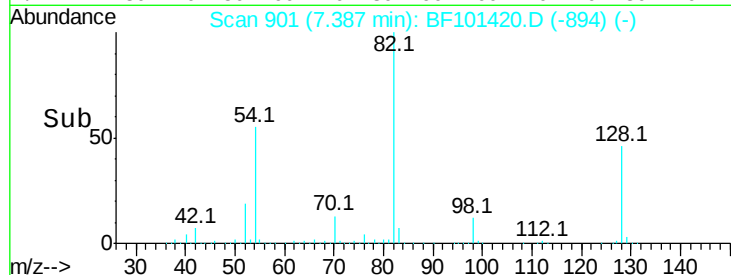
138 0.0 14.9 22.3#



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



#32

Benzoic acid

Concen: 7.973 ng

RT: 7.97 min Scan# 1000

Delta R.T. 0.06 min

Lab File: BF101420.D

Acq: 15 Dec 2017 3:23

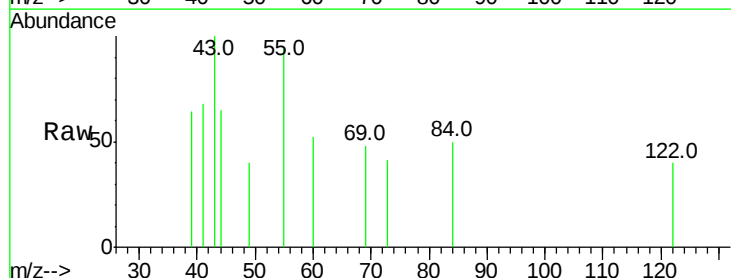
Tgt Ion:122 Resp: 110

Ion Ratio Lower Upper

122 100

105 0.0 101.1 141.1#

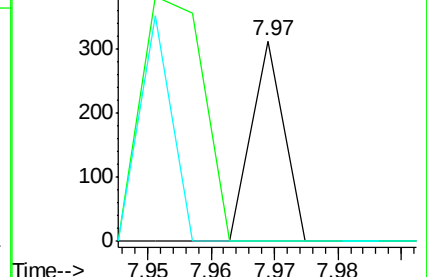
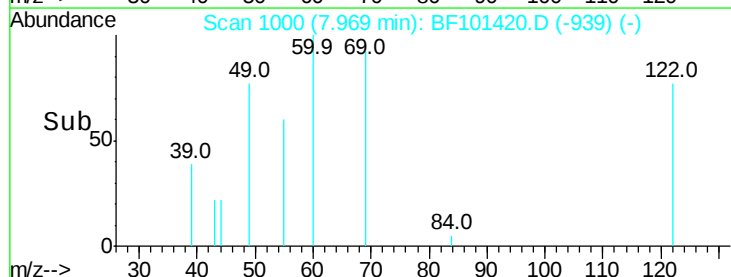
77 0.0 70.7 110.7#

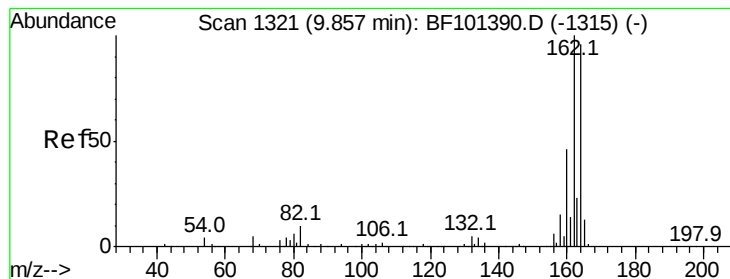


Abundance Ion 122.00 (121.70 to 122.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 77.00 (76.70 to 77.70): BF1





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.85 min Scan# 1320

Delta R.T. -0.01 min

Lab File: BF101420.D

Acq: 15 Dec 2017 3:23

Instrument :

BNA_F

ClientSampleId :

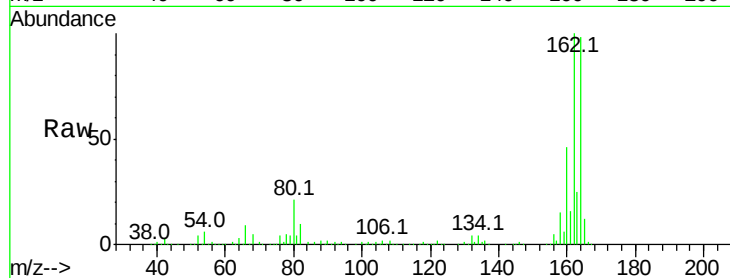
Tot Ion:164 Resp: 334077

Ion Ratio Lower Upper

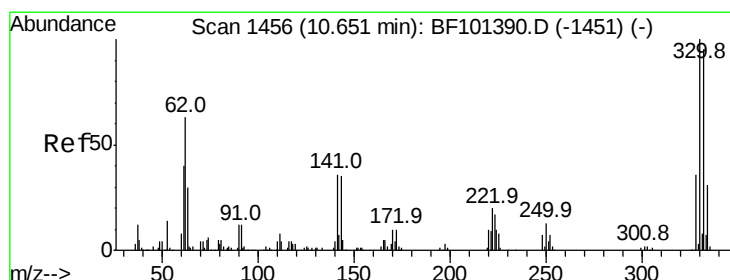
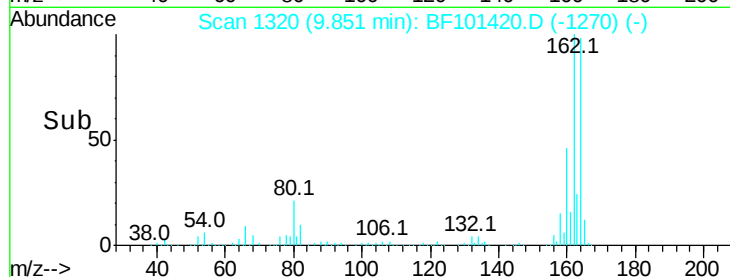
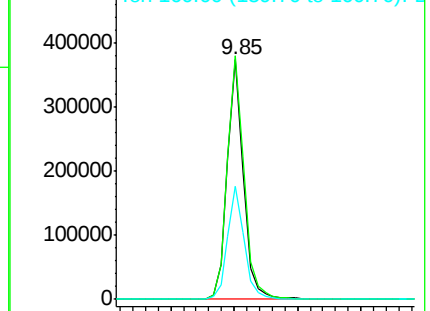
164 100

162 101.6 86.1 129.1

160 47.1 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: 122.237 ng

RT: 10.65 min Scan# 1456

Delta R.T. -0.00 min

Lab File: BF101420.D

Acq: 15 Dec 2017 3:23

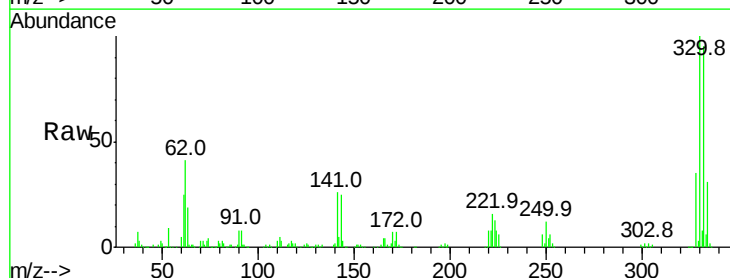
Tgt Ion:330 Resp: 393492

Ion Ratio Lower Upper

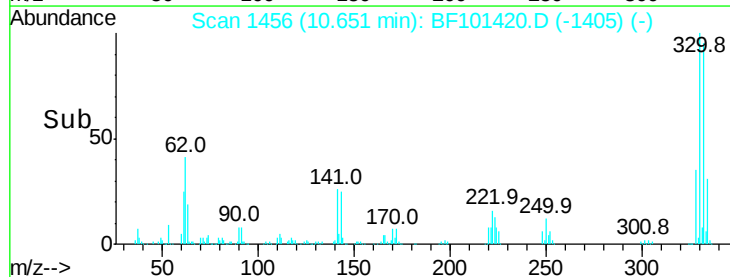
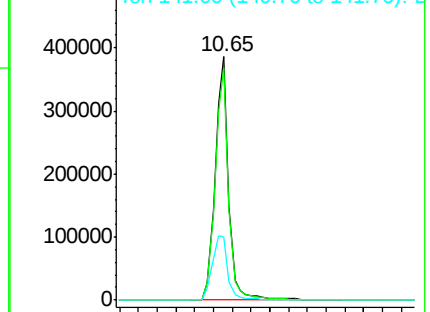
330 100

332 96.3 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



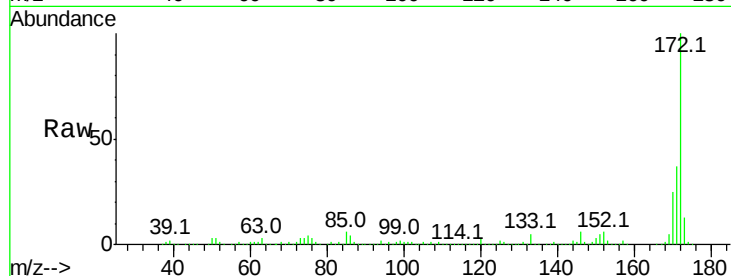


#44
 2-Fluorobiphenyl
 Concen: 82.681 ng
 RT: 9.17 min Scan# 1205
 Delta R.T. -0.00 min
 Lab File: BF101420.D
 Acq: 15 Dec 2017 3:23

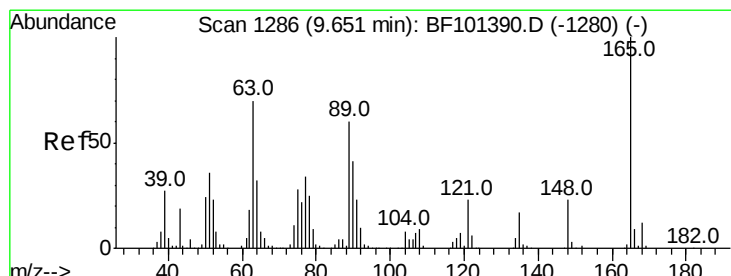
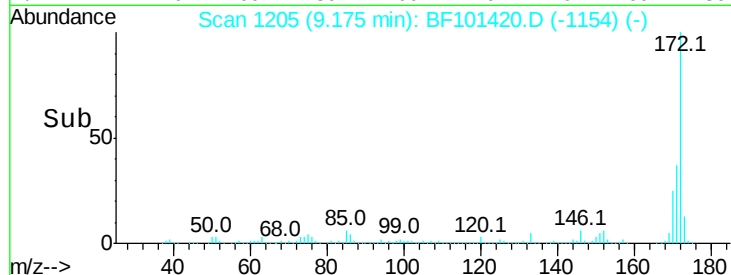
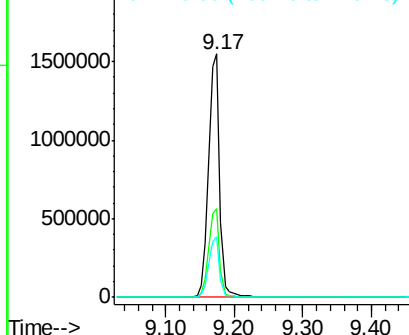
Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:172 Resp: 1780623

Ion	Ratio	Lower	Upper
172	100		
171	36.6	29.7	44.5
170	24.9	19.6	29.4



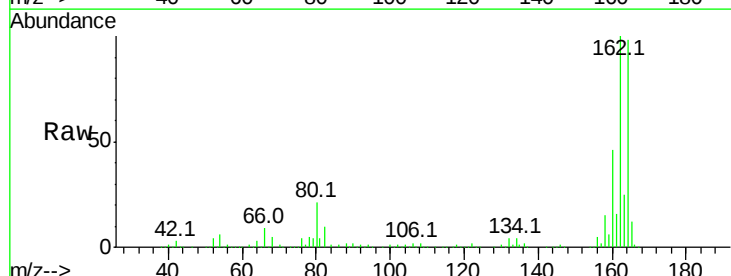
Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E



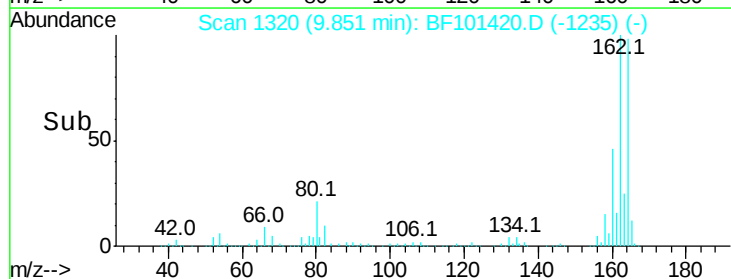
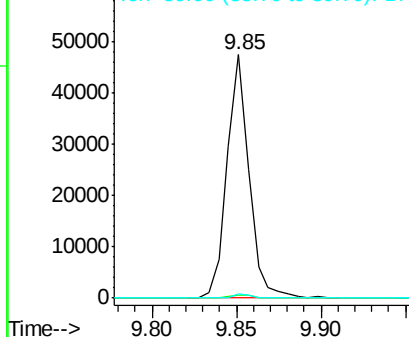
#50
 2,6-Dinitrotoluene
 Concen: 7.825 ng
 RT: 9.85 min Scan# 1320
 Delta R.T. 0.20 min
 Lab File: BF101420.D
 Acq: 15 Dec 2017 3:23

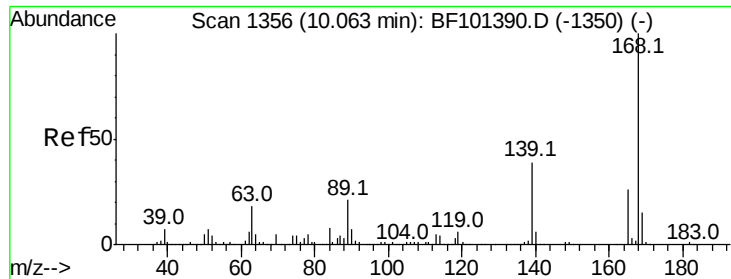
Tgt Ion:165 Resp: 42737

Ion	Ratio	Lower	Upper
165	100		
63	1.2	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

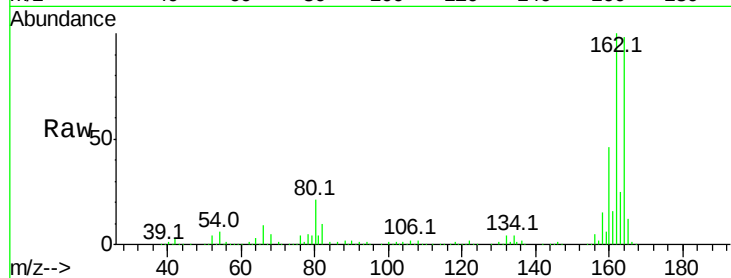




#56
 2,4-Dinitrotoluene
 Concen: 6.945 ng
 RT: 9.85 min Scan# 1320
 Delta R.T. -0.21 min
 Lab File: BF101420.D
 Acq: 15 Dec 2017 3:23

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:	165	Resp:	42737
Ion	Ratio	Lower	Upper
165	100		
63	1.2	36.4	54.6#
89	1.7	57.8	86.6#
182	0.0	1.6	2.4#

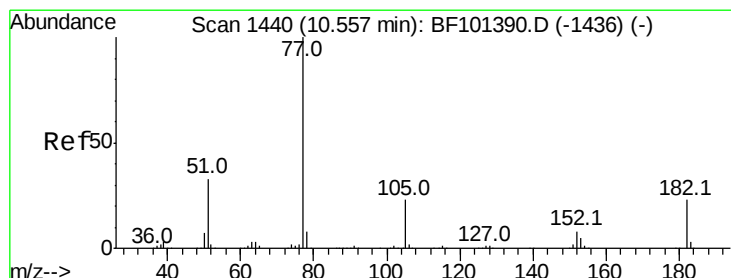
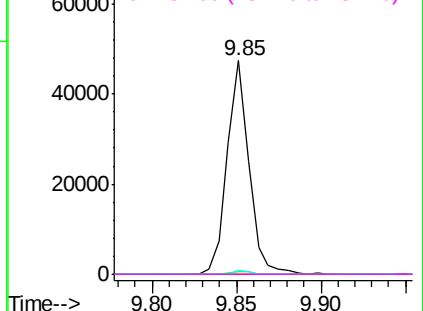
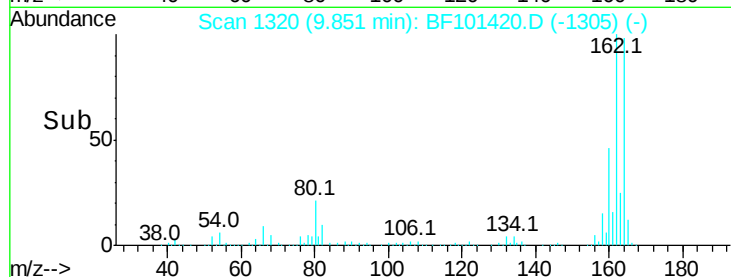


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

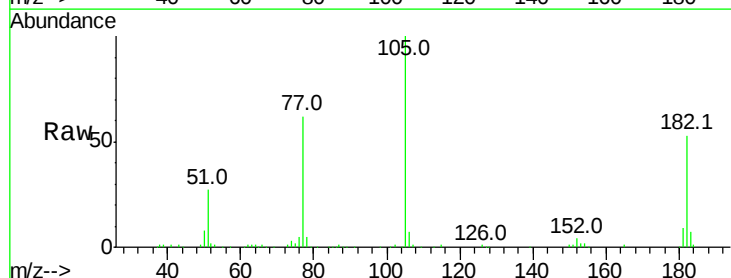
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#62
 Azobenzene
 Concen: 3.601 ng
 RT: 10.57 min Scan# 1442
 Delta R.T. 0.01 min
 Lab File: BF101420.D
 Acq: 15 Dec 2017 3:23

Tgt Ion:	77	Resp:	99276
Ion	Ratio	Lower	Upper
77	100		
182	85.5	1.7	41.7#
105	160.1	3.0	43.0#
51	42.8	9.9	49.9

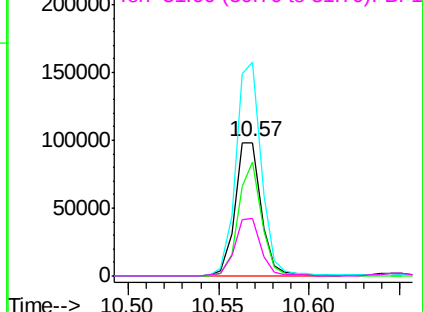
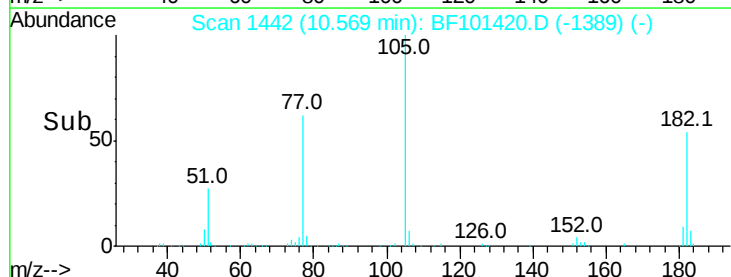


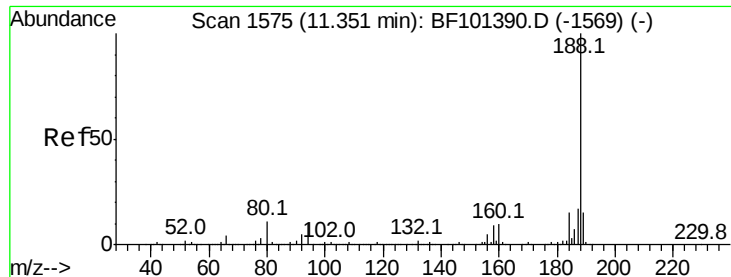
Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BF1





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.35 min Scan# 1574

Delta R.T. -0.01 min

Lab File: BF101420.D

Acq: 15 Dec 2017 3:23

Instrument :

BNA_F

ClientSampleId :

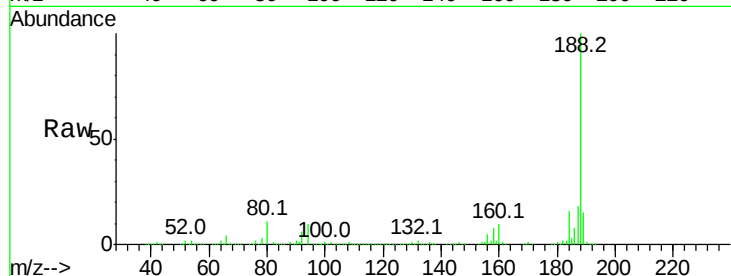
Tot Ion:188 Resp: 618130

Ion Ratio Lower Upper

188 100

94 10.0 8.5 12.7

80 10.7 9.2 13.8

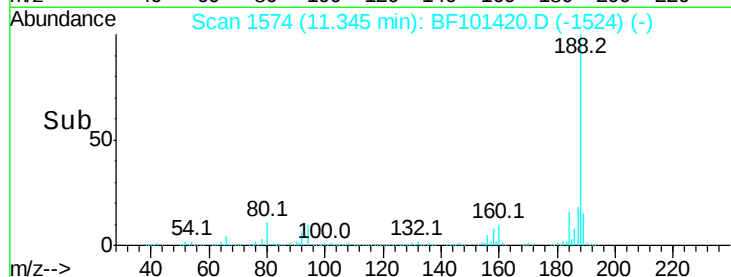


Abundance Ion 188.00 (187.70 to 188.70): E

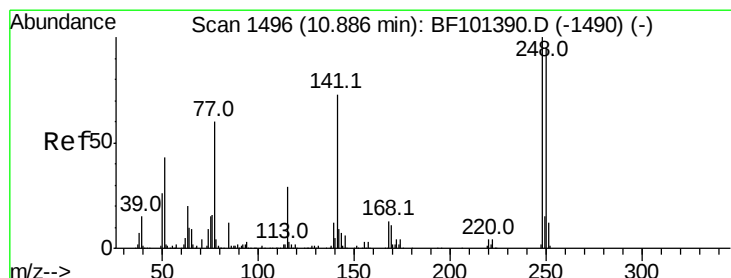
Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

Time-->



Time-->



#66

4-Bromophenyl-phenylether

Concen: 3.369 ng

RT: 10.65 min Scan# 1456

Delta R.T. -0.24 min

Lab File: BF101420.D

Acq: 15 Dec 2017 3:23

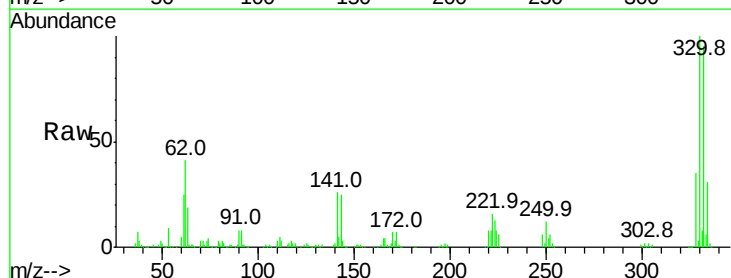
Tgt Ion:248 Resp: 23396

Ion Ratio Lower Upper

248 100

250 206.2 76.9 115.3#

141 452.3 74.4 111.6#

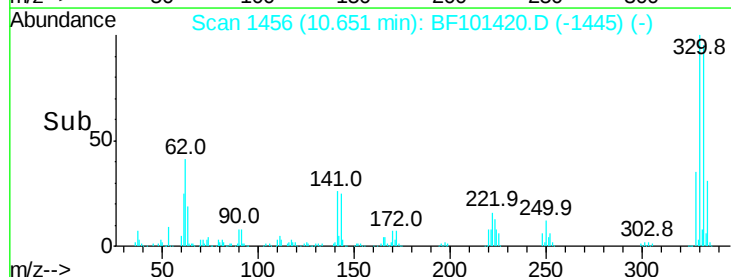


Abundance Ion 248.00 (247.70 to 248.70): E

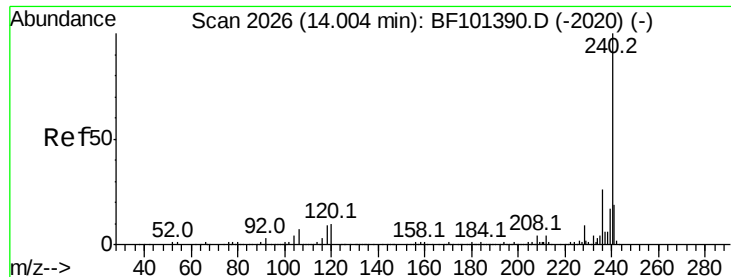
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

Time-->



Time-->



#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.99 min Scan# 2024

Delta R.T. -0.01 min

Lab File: BF101420.D

Acq: 15 Dec 2017 3:23

Instrument :

BNA_F

ClientSampleId :

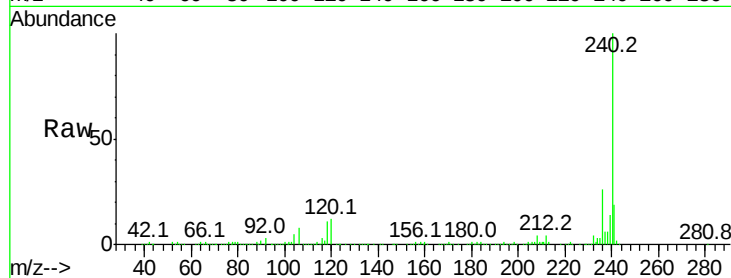
Tot Ion:240 Resp: 433803

Ion Ratio Lower Upper

240 100

120 11.8 9.5 14.3

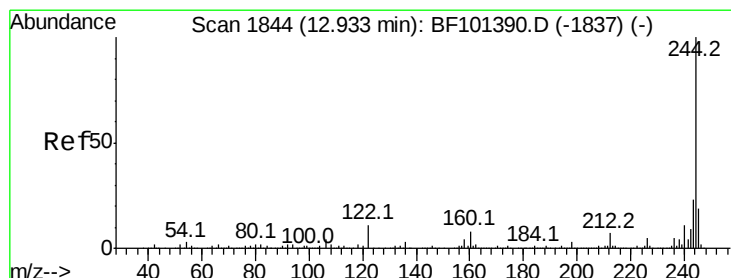
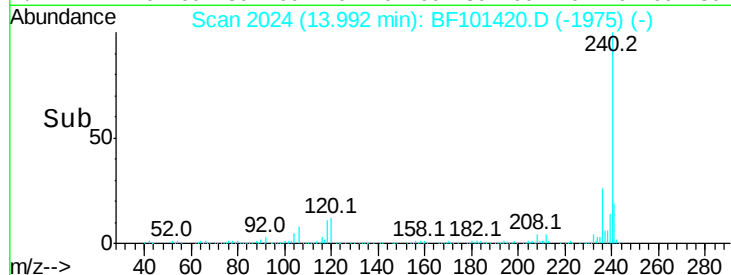
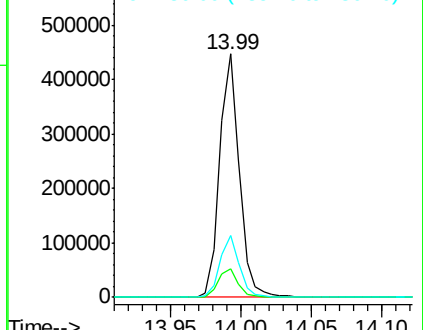
236 25.5 20.7 31.1



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: 93.147 ng

RT: 12.93 min Scan# 1844

Delta R.T. -0.00 min

Lab File: BF101420.D

Acq: 15 Dec 2017 3:23

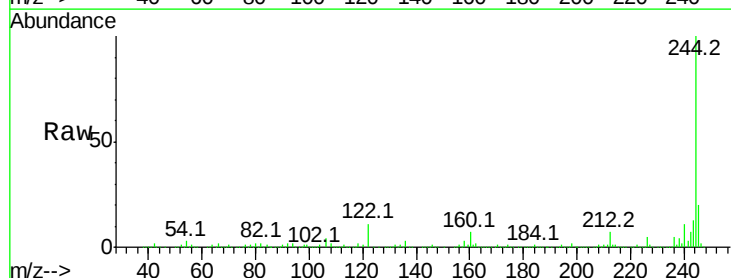
Tgt Ion:244 Resp: 1676119

Ion Ratio Lower Upper

244 100

212 7.1 5.4 8.0

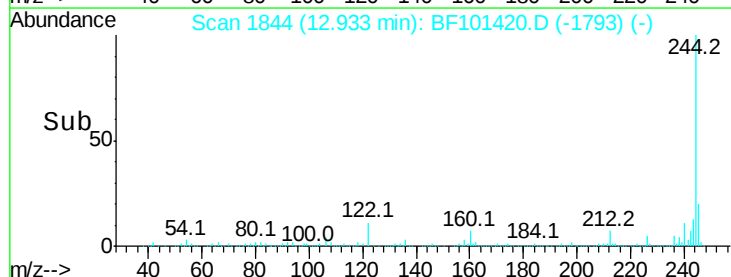
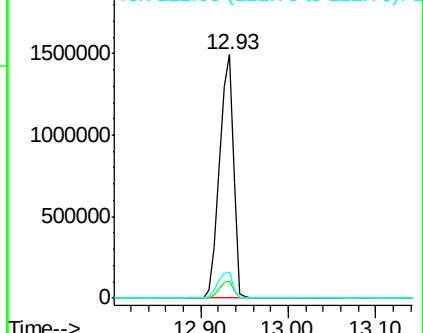
122 10.5 11.0 16.4#

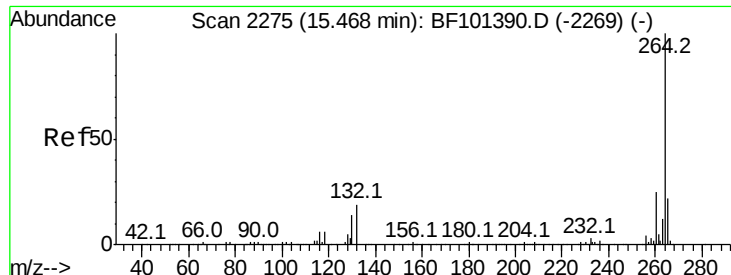


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

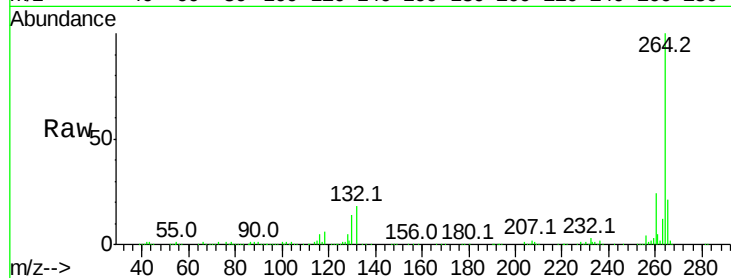




#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.46 min Scan# 2274
 Delta R.T. -0.01 min
 Lab File: BF101420.D
 Acq: 15 Dec 2017 3:23

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion: 264 Resp: 346037
 Ion Ratio Lower Upper
 264 100
 260 24.1 19.2 28.8
 265 21.3 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

