

Data File : BF100475.D
Acq On : 12 Nov 2017 7:55
Operator : SJ/JU
Sample : I6402-02
Misc :
ALS Vial : 46 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
110717-TIDO-F-D-S

Quant Time: Nov 13 04:48:32 2017
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110817.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Nov 10 15:44:40 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	146735	20.00	ng	0.00
21) Naphthalene-d8	8.18	136	547089	20.00	ng	0.00
38) Acenaphthene-d10	9.94	164	227620	20.00	ng	0.00
63) Phenanthrene-d10	11.42	188	354915	20.00	ng	0.00
75) Chrysene-d12	14.06	240	297992	20.00	ng	0.00
86) Perylene-d12	15.54	264	216396	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.52	112	373039	40.75	ng	0.00
7) Phenol-d6	6.52	99	286447	25.38	ng	-0.01
23) Nitrobenzene-d5	7.46	82	825981	99.82	ng	0.00
41) 2,4,6-Tribromophenol	10.73	330	175358	75.60	ng	0.00
44) 2-Fluorobiphenyl	9.26	172	1396978	93.45	ng	0.00
78) Terphenyl-d14	13.01	244	998747	77.01	ng	0.00

Target Compounds						Qvalue
19) n-Nitroso-di-n-propylamine	7.46	70	111401	14.23	ng	# 81
25) Isophorone	7.46	82	826110	47.51	ng	# 64
31) Naphthalene	8.20	128	112481	4.27	ng	99
32) Benzoic acid	7.96	122	472	9.43	ng	# 1
47) 2-Nitroaniline	9.26	65	2229	3.28	ng	# 1
50) 2,6-Dinitrotoluene	9.94	165	29830	8.67	ng	# 26
55) 4-Nitrophenol	10.14	139	10073	3.05	ng	# 9
56) 2,4-Dinitrotoluene	9.94	165	29830	6.87	ng	# 24
64) 4,6-Dinitro-2-methylphenol	10.72	198	321	8.72	ng	# 1
66) 4-Bromophenyl-phenylether	10.73	248	11316	2.97	ng	# 1
70) Phenanthrene	11.45	178	82939	4.44	ng	97

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

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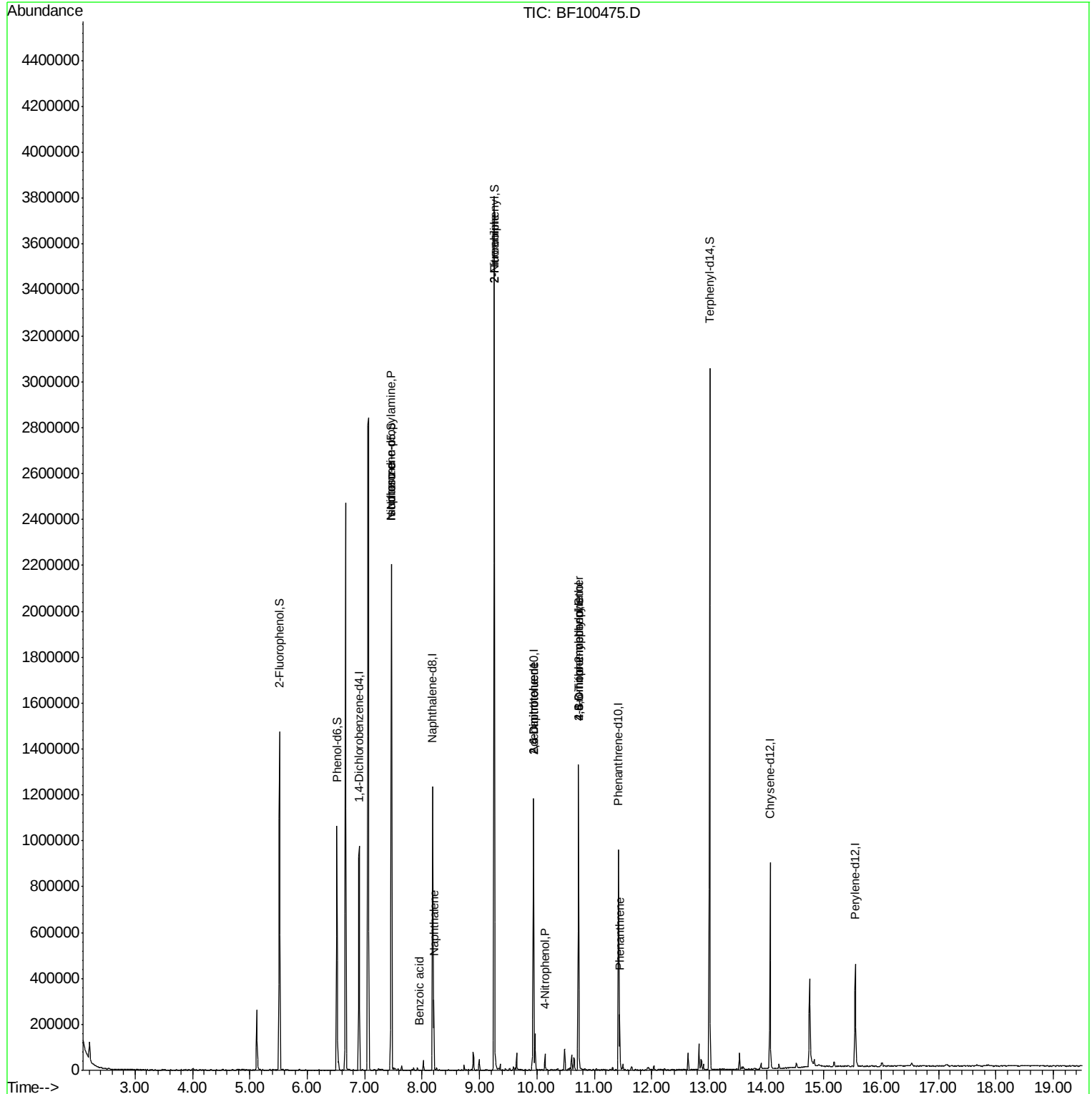
Quant Time: Nov 13 04:48:32 2017

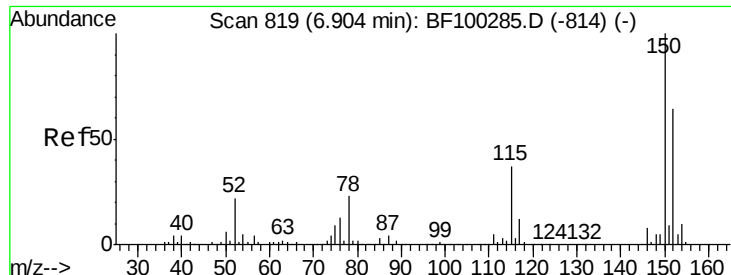
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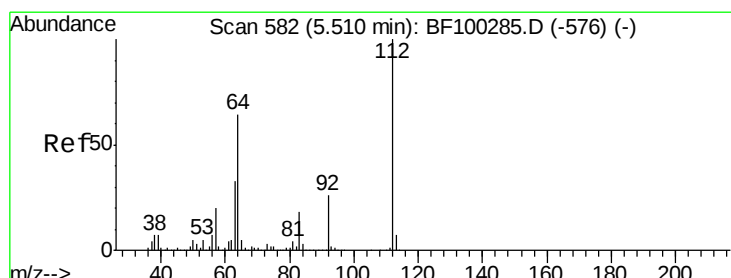
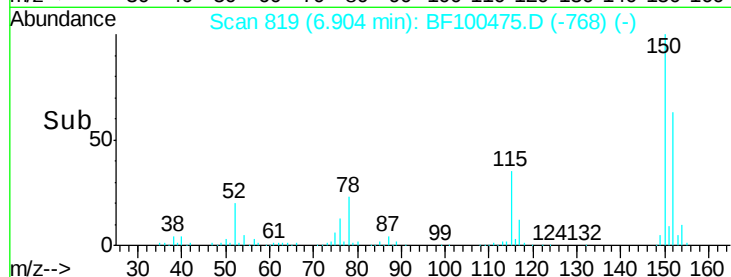
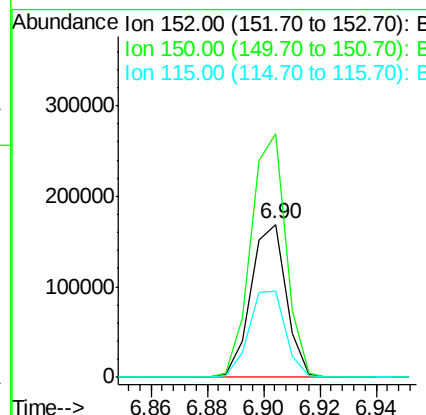
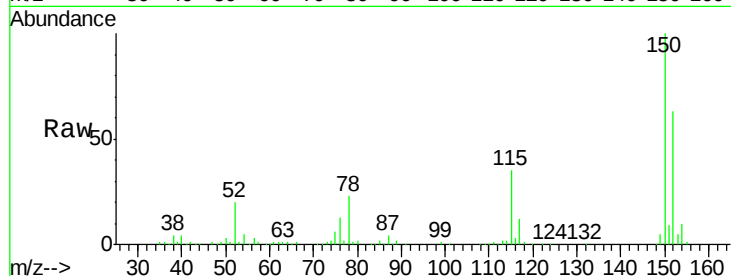




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.90 min Scan# 819
 Delta R.T. 0.00 min
 Lab File: BF100475.D
 Acq: 12 Nov 2017 7:55

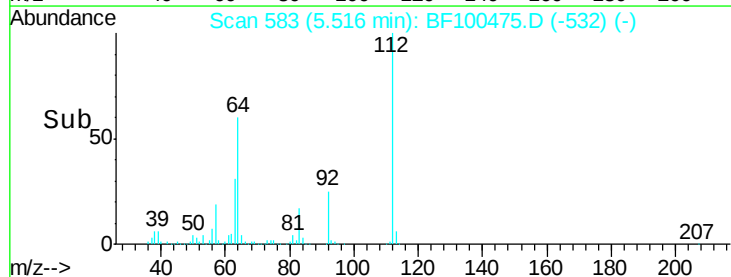
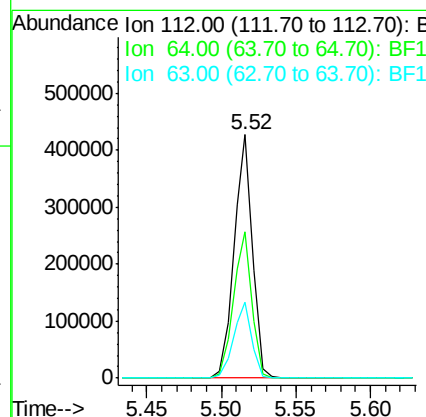
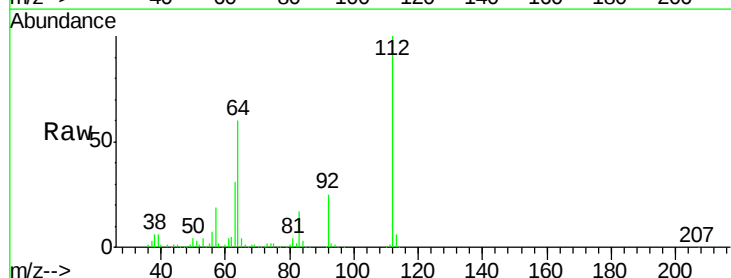
Instrument :
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 110717-TIDO-F-D-S

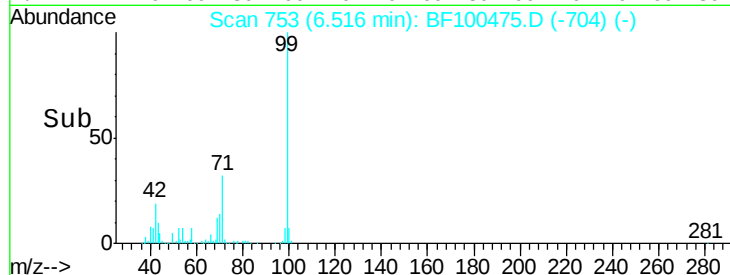
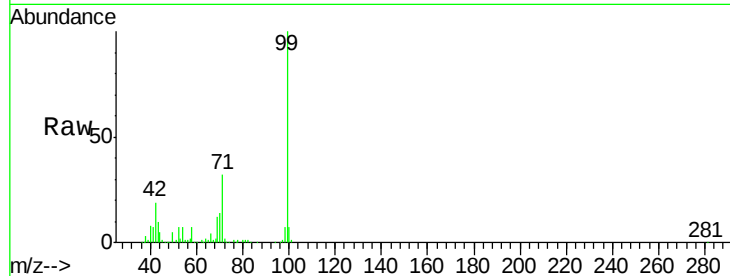
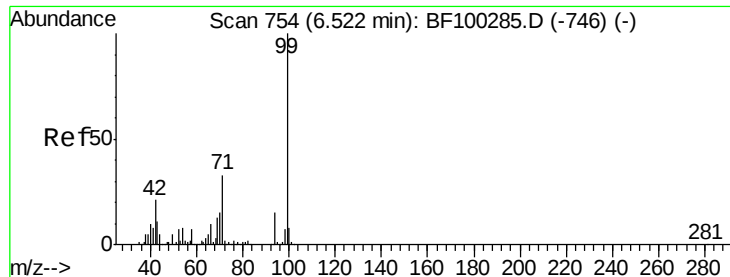
Tgt Ion:152 Resp: 146735
 Ion Ratio Lower Upper
 152 100
 150 158.9 124.6 186.8
 115 56.2 50.1 75.1



#5
 2-Fluorophenol
 Concen: 40.75 ng
 RT: 5.52 min Scan# 583
 Delta R.T. 0.00 min
 Lab File: BF100475.D
 Acq: 12 Nov 2017 7:55

Tgt Ion:112 Resp: 373039
 Ion Ratio Lower Upper
 112 100
 64 60.0 47.9 71.9
 63 31.0 23.7 35.5





#7

Phenol-d6

Concen: 25.38 ng

RT: 6.52 min Scan# 753

Delta R.T. -0.01 min

Lab File: BF100475.D

Acq: 12 Nov 2017 7:55

Instrument :

BNA_F

ClientSampleId :

110717-TIDO-F-D-S

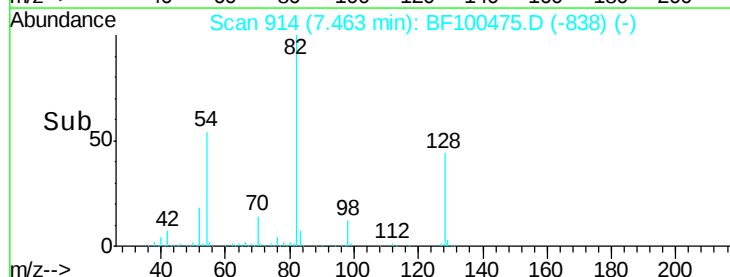
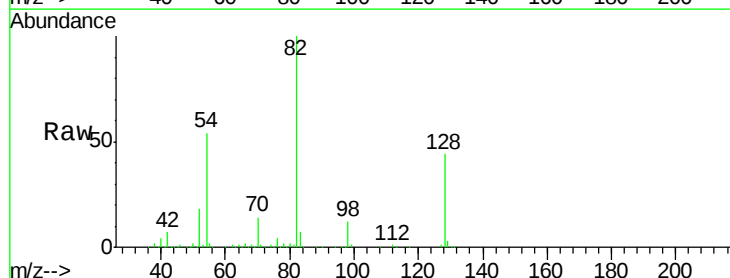
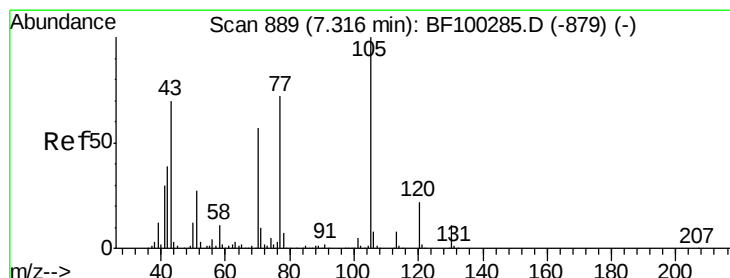
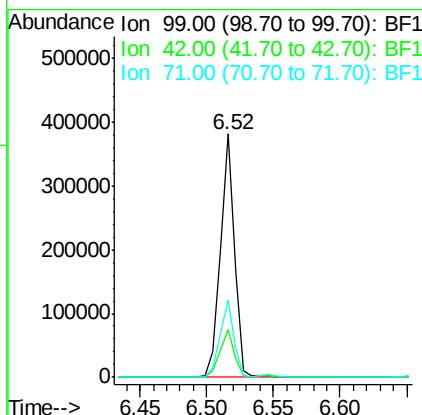
Tgt Ion: 99 Resp: 286447

Ion Ratio Lower Upper

99 100

42 19.4 14.5 21.7

71 31.7 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 14.23 ng

RT: 7.46 min Scan# 914

Delta R.T. 0.15 min

Lab File: BF100475.D

Acq: 12 Nov 2017 7:55

Tgt Ion: 70 Resp: 111401

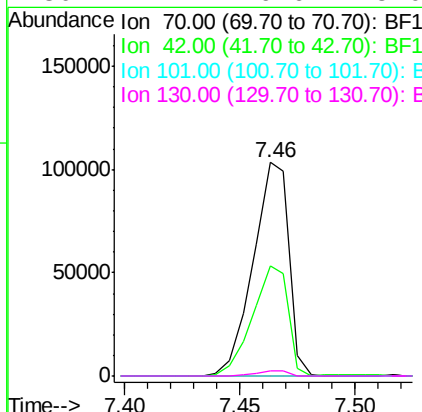
Ion Ratio Lower Upper

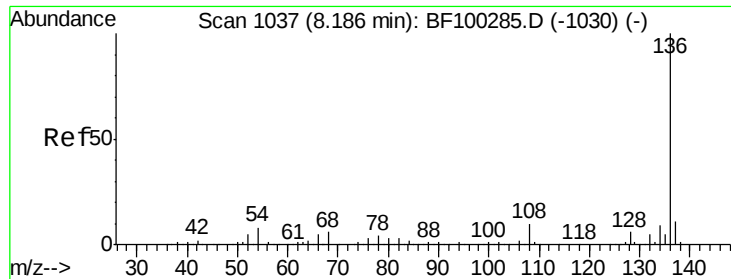
70 100

42 51.3 47.5 71.3

101 0.0 7.4 11.2#

130 2.4 16.6 25.0#

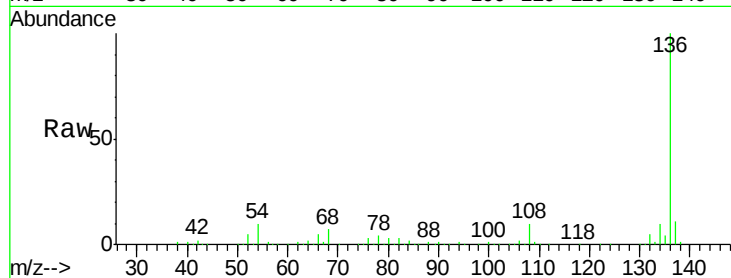




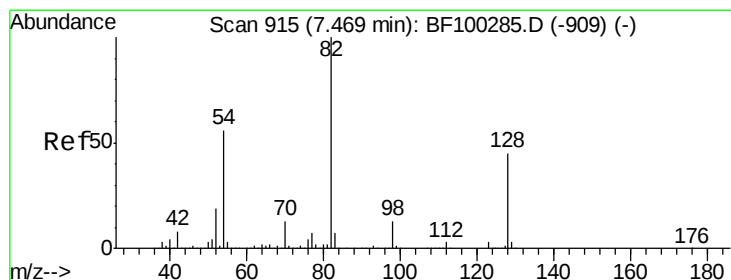
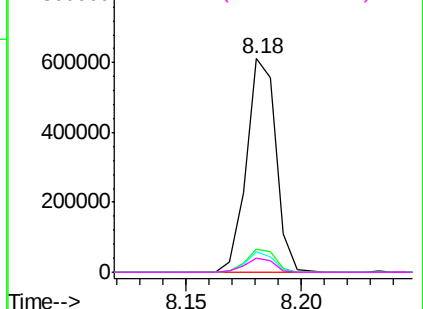
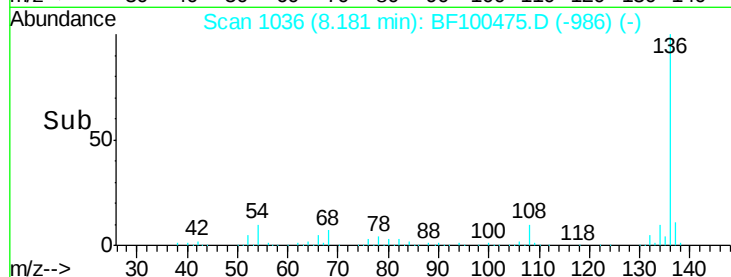
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.18 min Scan# 1036
Delta R.T. -0.01 min
Lab File: BF100475.D
Acq: 12 Nov 2017 7:55

Instrument :
BNA_F
ClientSampleId :
110717-TIDO-F-D-S

Tgt Ion:	136	Resp:	547089
Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.9	13.3
54	9.6	6.6	9.8
68	6.7	5.0	7.4

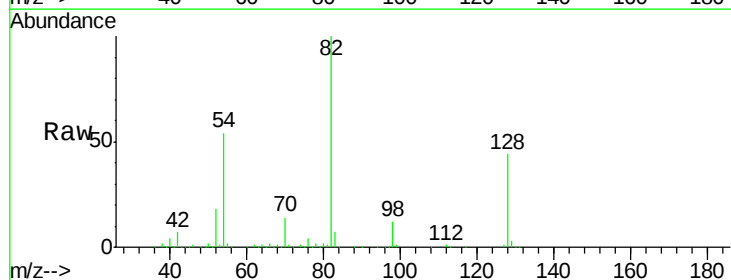


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

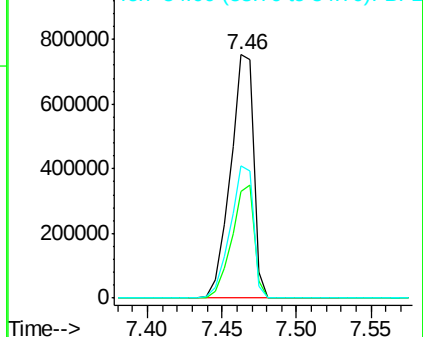
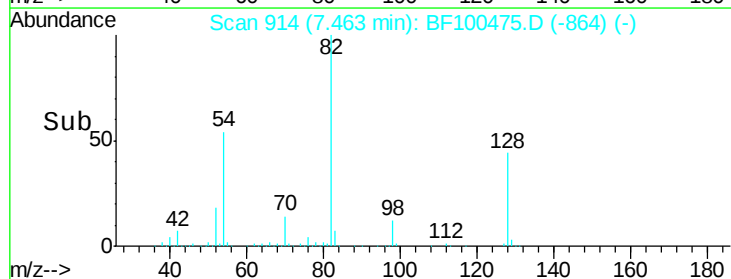


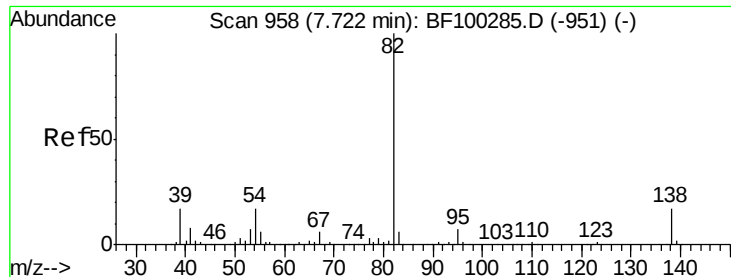
#23
Nitrobenzene-d5
Concen: 99.82 ng
RT: 7.46 min Scan# 914
Delta R.T. -0.01 min
Lab File: BF100475.D
Acq: 12 Nov 2017 7:55

Tgt Ion:	82	Resp:	825981
Ion	Ratio	Lower	Upper
82	100		
128	43.6	36.1	54.1
54	54.4	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: 47.51 ng

RT: 7.46 min Scan# 914

Delta R.T. -0.26 min

Lab File: BF100475.D

Acq: 12 Nov 2017 7:55

Instrument :

BNA_F

ClientSampleId :

110717-TIDO-F-D-S

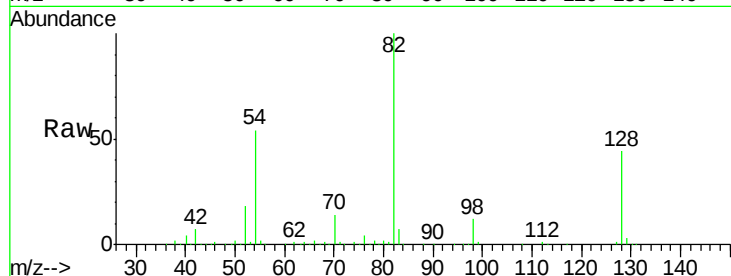
Tgt Ion: 82 Resp: 826110

Ion Ratio Lower Upper

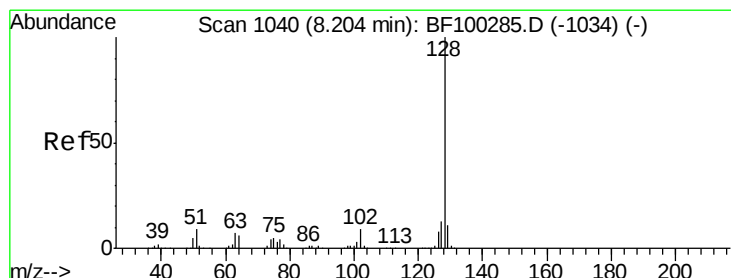
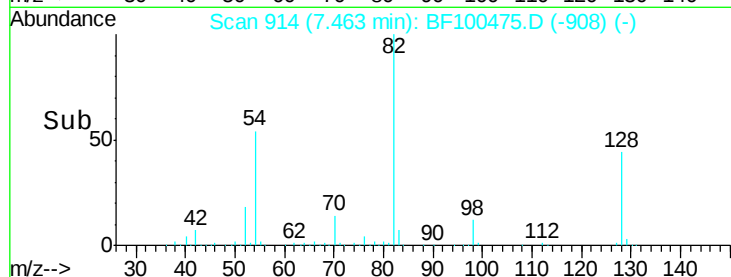
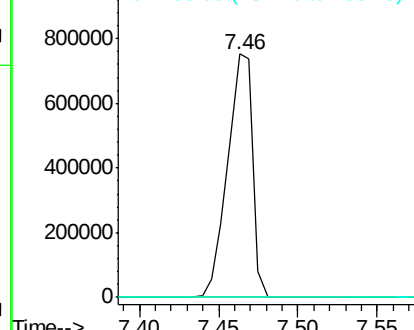
82 100

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



#31

Naphthalene

Concen: 4.27 ng

RT: 8.20 min Scan# 1040

Delta R.T. -0.01 min

Lab File: BF100475.D

Acq: 12 Nov 2017 7:55

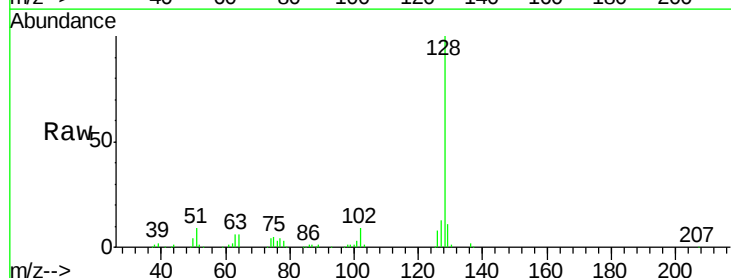
Tgt Ion: 128 Resp: 112481

Ion Ratio Lower Upper

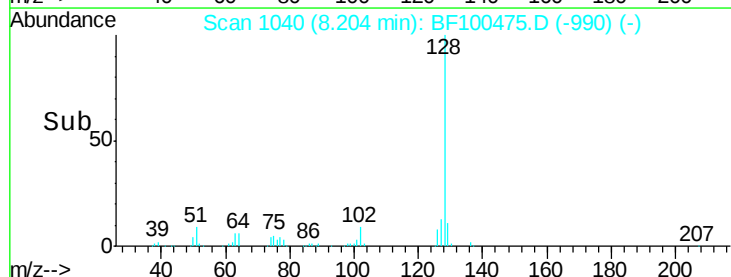
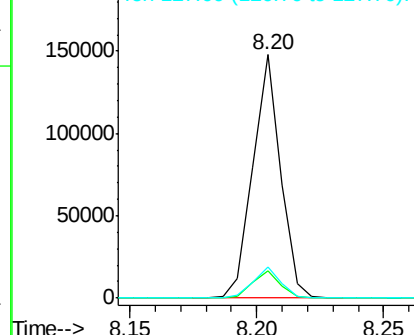
128 100

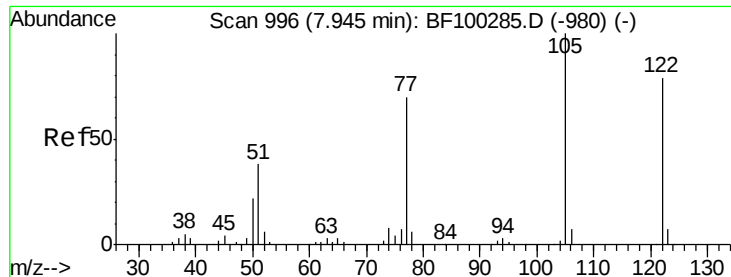
129 11.3 8.8 13.2

127 12.9 10.9 16.3



Abundance Ion 128.00 (127.70 to 128.70): BF1
Ion 129.00 (128.70 to 129.70): BF1
Ion 127.00 (126.70 to 127.70): BF1

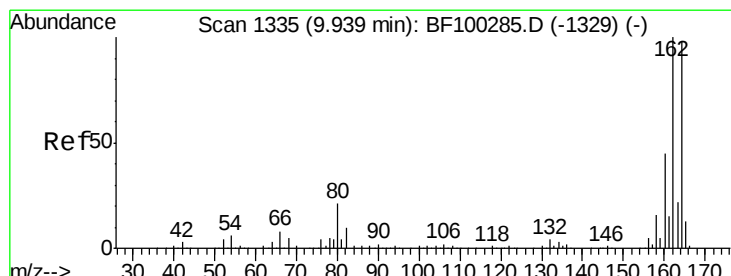
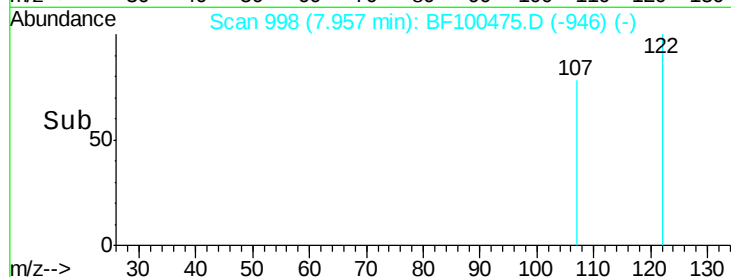
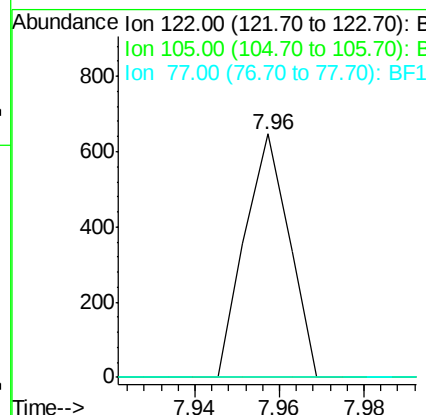
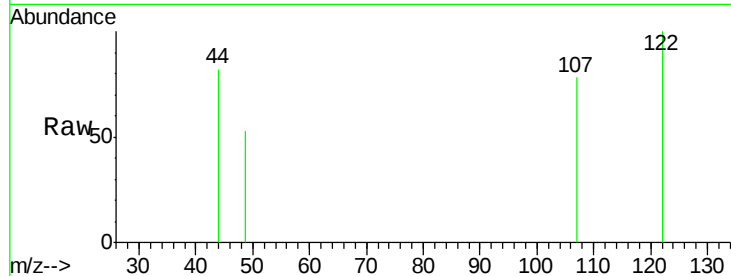




#32
Benzoic acid
Concen: 9.43 ng
RT: 7.96 min Scan# 998
Delta R.T. 0.01 min
Lab File: BF100475.D
Acq: 12 Nov 2017 7:55

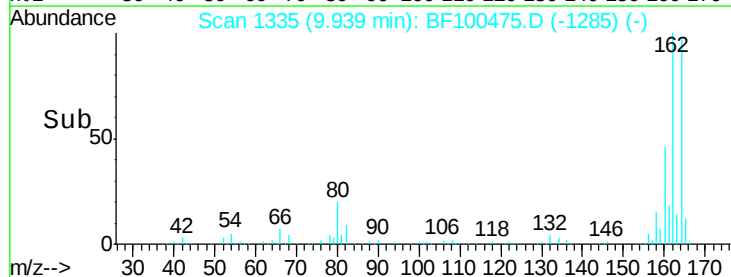
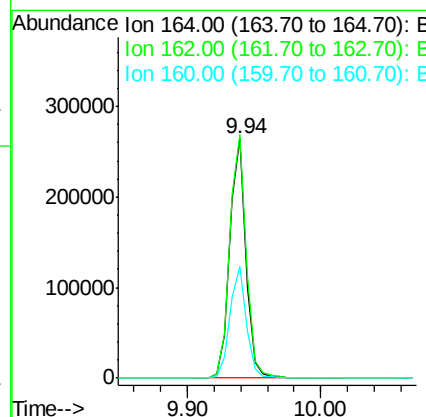
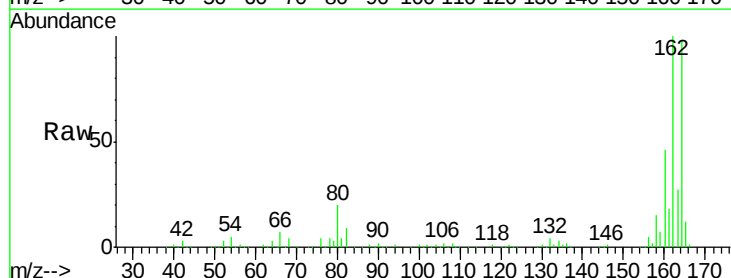
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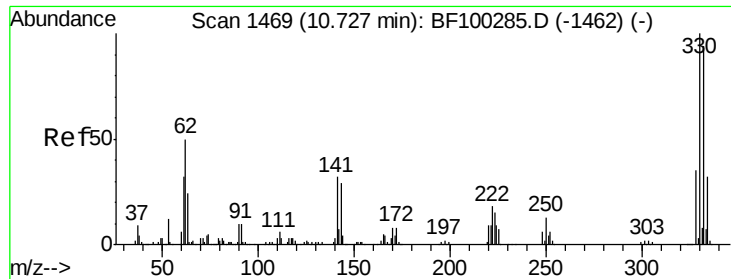
Tgt Ion	Ratio	Lower	Upper
122	100		
105	0.0	101.1	141.1#
77	0.0	70.7	110.7#



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.94 min Scan# 1335
Delta R.T. -0.01 min
Lab File: BF100475.D
Acq: 12 Nov 2017 7:55

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.7	86.1	129.1
160	46.8	38.3	57.5

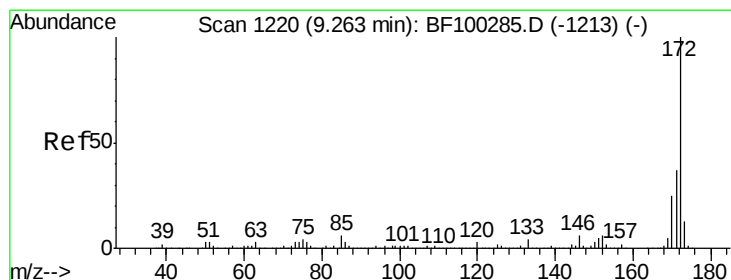
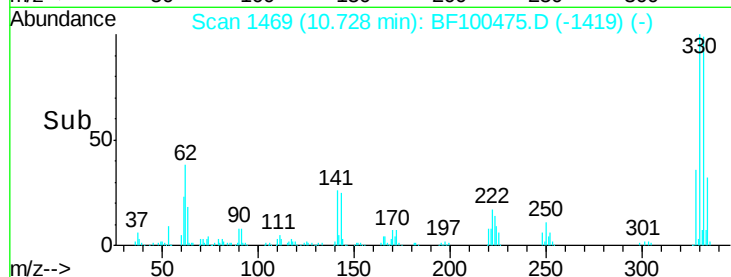
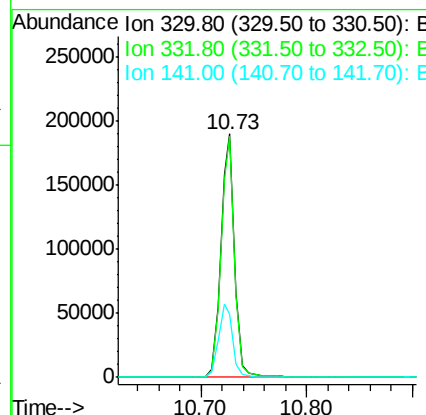
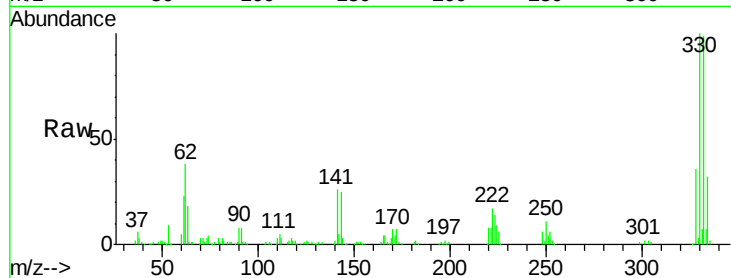




#41
 2,4,6-Tribromophenol
 Concen: 75.60 ng
 RT: 10.73 min Scan# 1469
 Delta R.T. -0.01 min
 Lab File: BF100475.D
 Acq: 12 Nov 2017 7:55

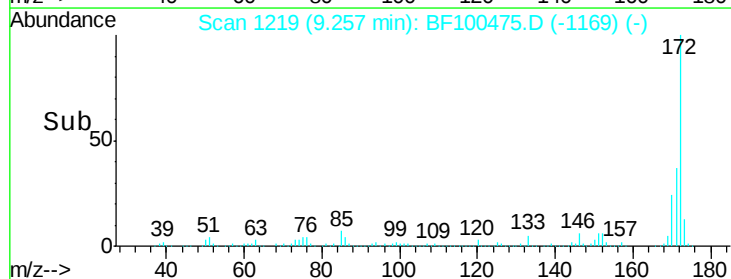
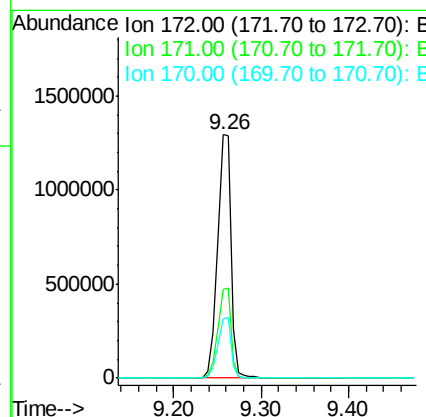
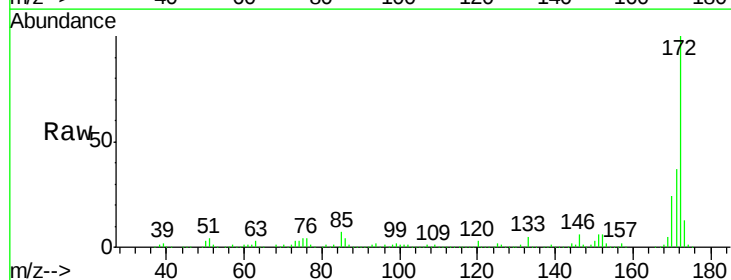
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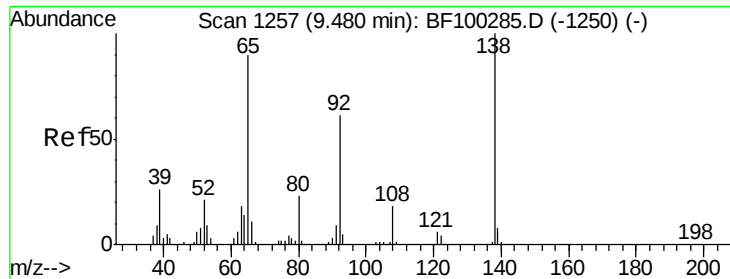
Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.9	77.0	115.6
141	31.3	29.9	44.9



#44
 2-Fluorobiphenyl
 Concen: 93.45 ng
 RT: 9.26 min Scan# 1219
 Delta R.T. -0.01 min
 Lab File: BF100475.D
 Acq: 12 Nov 2017 7:55

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.6	29.7	44.5
170	24.3	19.6	29.4

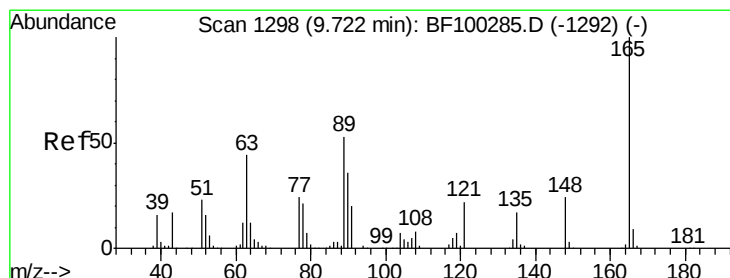
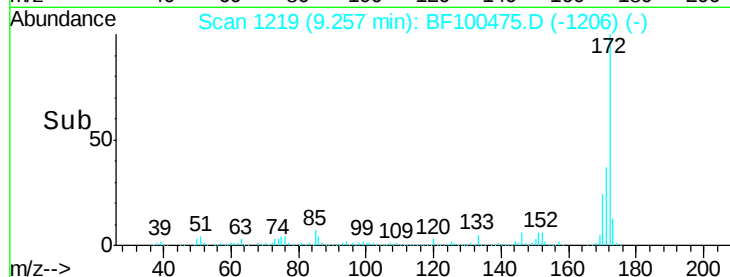
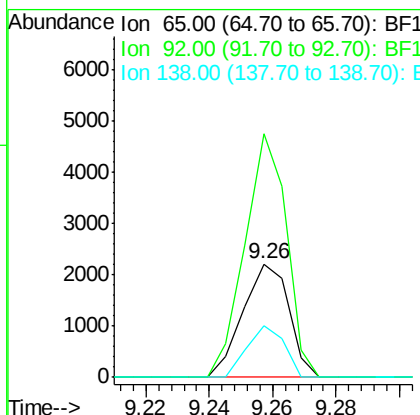
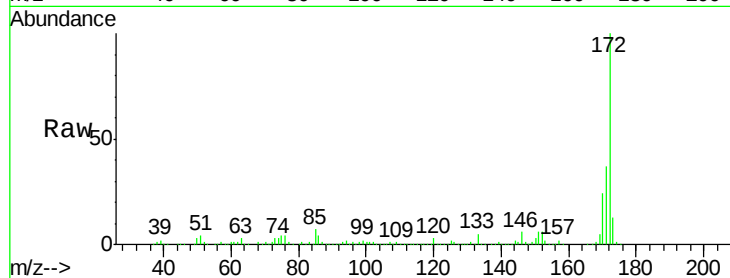




#47
 2-Nitroaniline
 Concen: 3.28 ng
 RT: 9.26 min Scan# 1219
 Delta R.T. -0.22 min
 Lab File: BF100475.D
 Acq: 12 Nov 2017 7:55

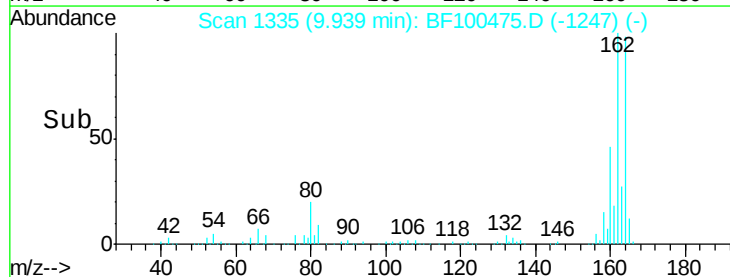
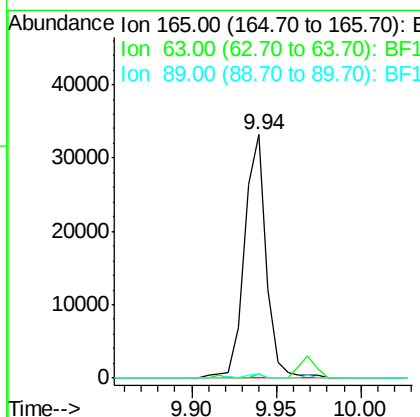
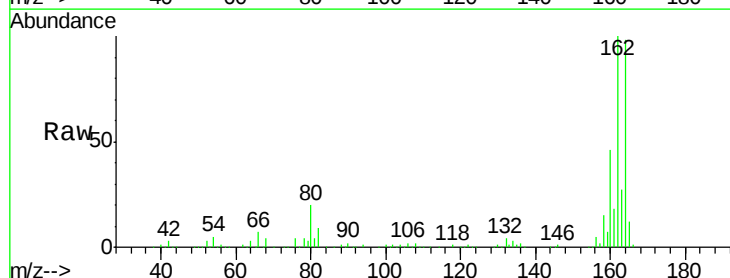
Instrument :
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 110717-TIDO-F-D-S

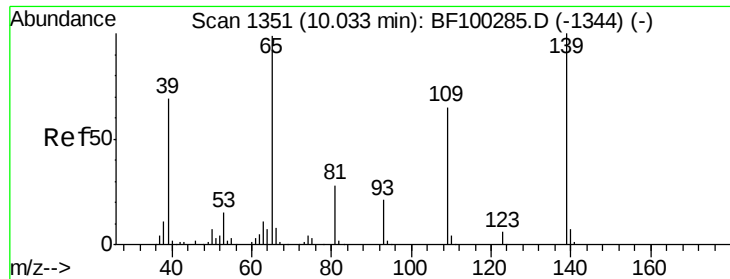
Tgt Ion: 65 Resp: 2229
 Ion Ratio Lower Upper
 65 100
 92 214.8 55.8 83.6#
 138 45.5 91.2 136.8#



#50
 2,6-Dinitrotoluene
 Concen: 8.67 ng
 RT: 9.94 min Scan# 1335
 Delta R.T. 0.22 min
 Lab File: BF100475.D
 Acq: 12 Nov 2017 7:55

Tgt Ion: 165 Resp: 29830
 Ion Ratio Lower Upper
 165 100
 63 1.9 44.7 67.1#
 89 1.7 44.0 66.0#

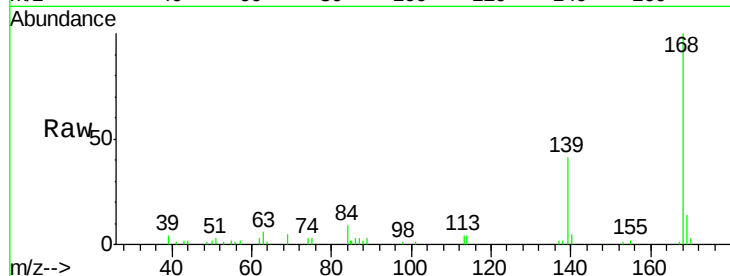




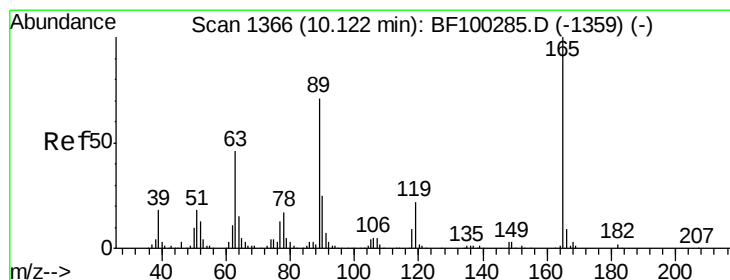
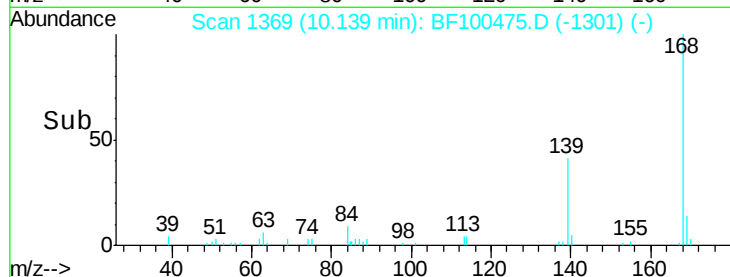
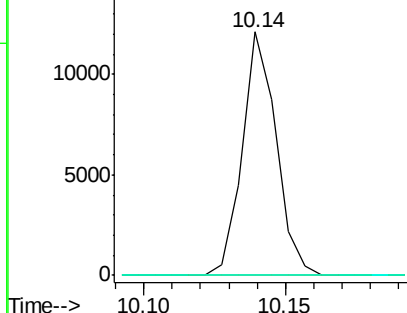
#55
4-Nitrophenol
Concen: 3.05 ng
RT: 10.14 min Scan# 1369
Delta R.T. 0.10 min
Lab File: BF100475.D
Acq: 12 Nov 2017 7:55

Instrument :
BNA_F
ClientSampleId :
110717-TIDO-F-D-S

Tgt Ion	Ratio	Lower	Upper
139	100		
109	0.0	48.4	88.4#
65	0.0	72.6	112.6#



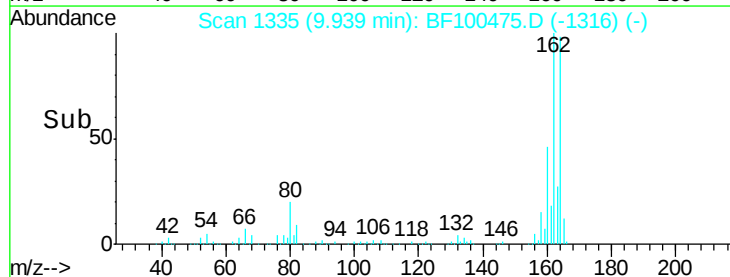
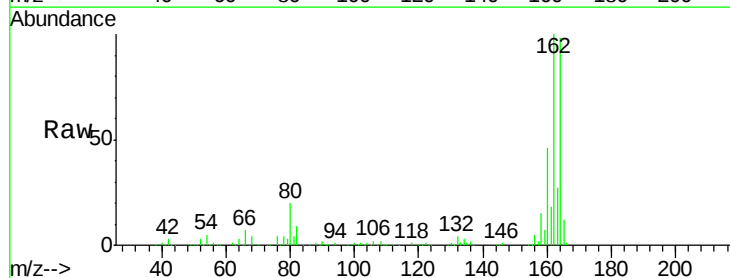
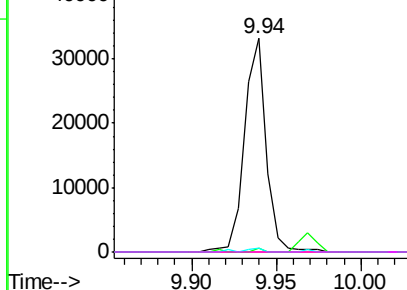
Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF1

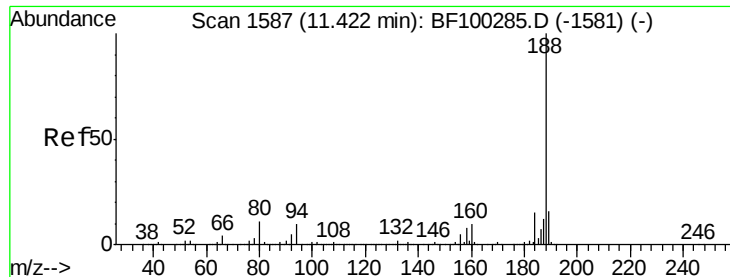


#56
2,4-Dinitrotoluene
Concen: 6.87 ng
RT: 9.94 min Scan# 1335
Delta R.T. -0.19 min
Lab File: BF100475.D
Acq: 12 Nov 2017 7:55

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.9	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





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.42 min Scan# 1587

Delta R.T. -0.01 min

Lab File: BF100475.D

Acq: 12 Nov 2017 7:55

Instrument :

BNA_F

ClientSampleId :

110717-TIDO-F-D-S

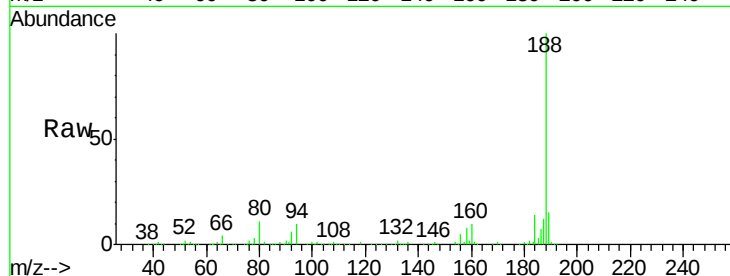
Tgt Ion:188 Resp: 354915

Ion Ratio Lower Upper

188 100

94 10.3 8.5 12.7

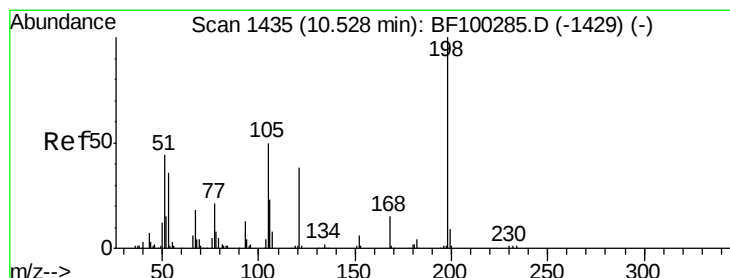
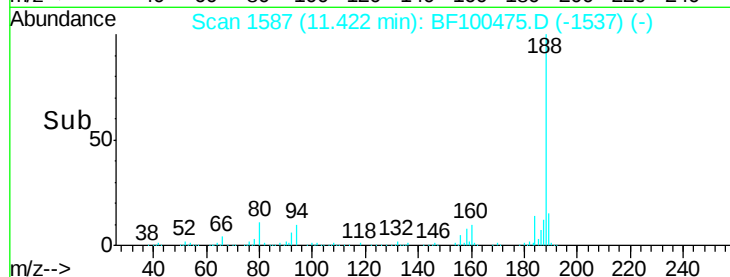
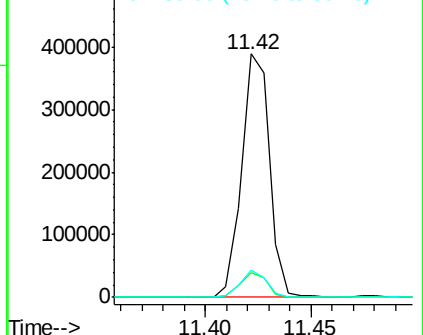
80 11.1 9.2 13.8



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: 8.72 ng

RT: 10.72 min Scan# 1468

Delta R.T. 0.19 min

Lab File: BF100475.D

Acq: 12 Nov 2017 7:55

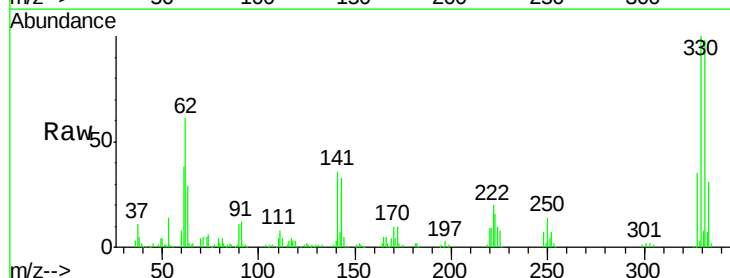
Tgt Ion:198 Resp: 321

Ion Ratio Lower Upper

198 100

51 194.4 37.7 77.7#

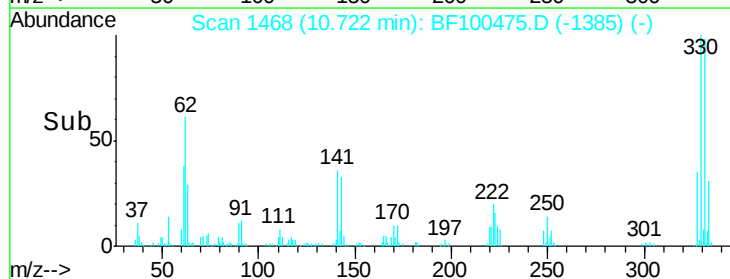
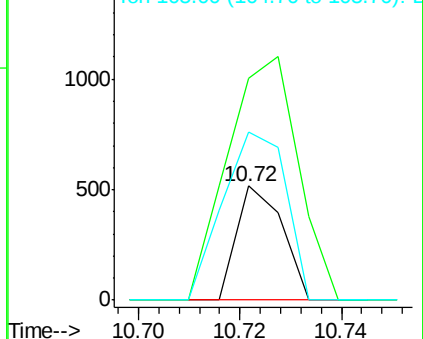
105 147.4 36.3 76.3#

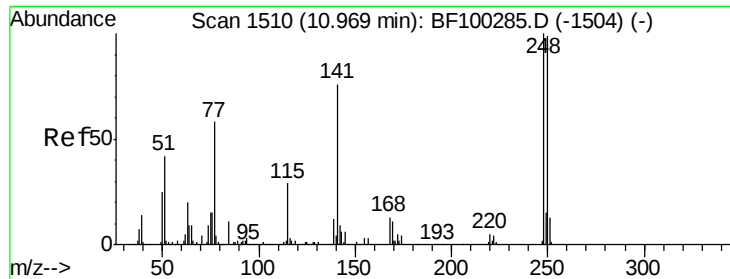


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

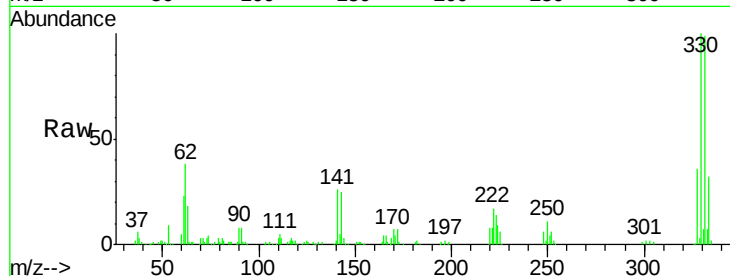




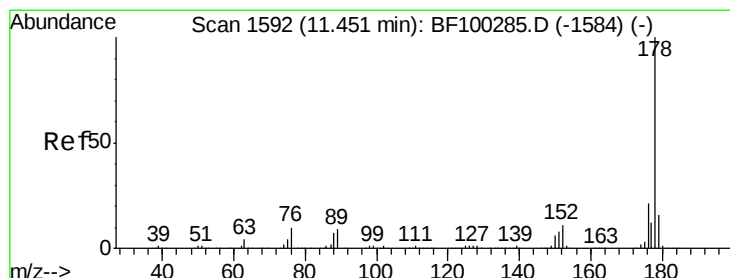
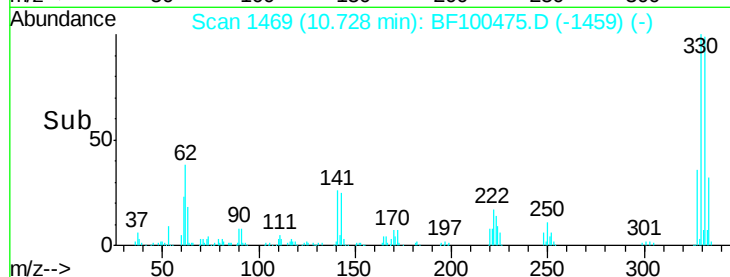
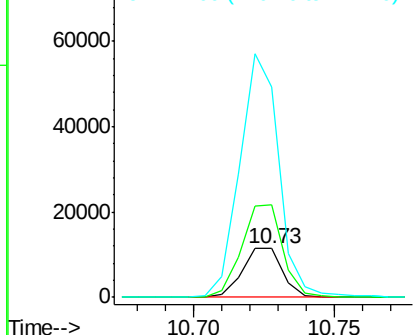
#66
 4-Bromophenyl-phenylether
 Concen: 2.97 ng
 RT: 10.73 min Scan# 1469
 Delta R.T. -0.24 min
 Lab File: BF100475.D
 Acq: 12 Nov 2017 7:55

Instrument :
 BNA_F
 ClientSampleId :
 110717-TIDO-F-D-S

Tgt Ion: 248 Resp: 11316
 Ion Ratio Lower Upper
 248 100
 250 189.3 76.9 115.3#
 141 428.3 74.4 111.6#

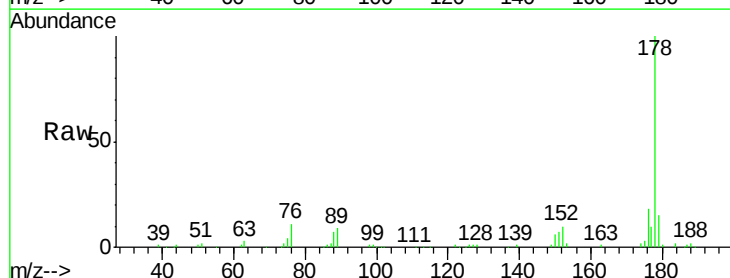


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

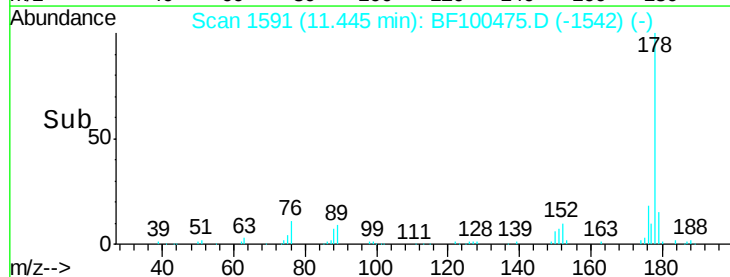
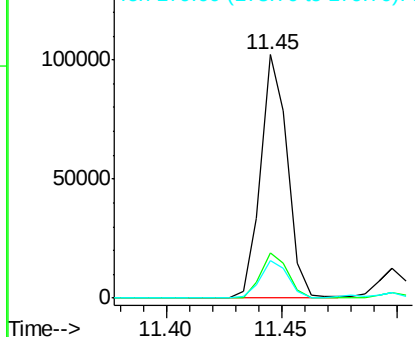


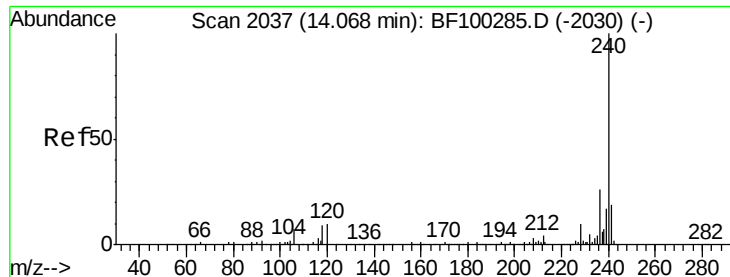
#70
 Phenanthrene
 Concen: 4.44 ng
 RT: 11.45 min Scan# 1591
 Delta R.T. -0.01 min
 Lab File: BF100475.D
 Acq: 12 Nov 2017 7:55

Tgt Ion: 178 Resp: 82939
 Ion Ratio Lower Upper
 178 100
 176 18.4 15.8 23.8
 179 15.2 13.0 19.6



Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.06 min Scan# 2036

Delta R.T. -0.01 min

Lab File: BF100475.D

Acq: 12 Nov 2017 7:55

Instrument :

BNA_F

ClientSampleId :

110717-TIDO-F-D-S

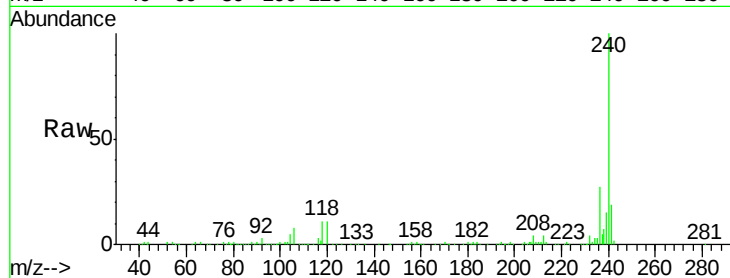
Tgt Ion:240 Resp: 297992

Ion Ratio Lower Upper

240 100

120 11.2 9.5 14.3

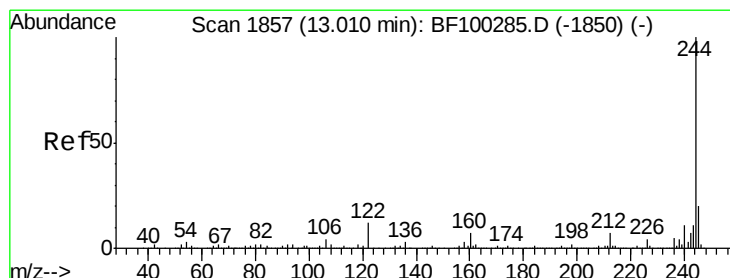
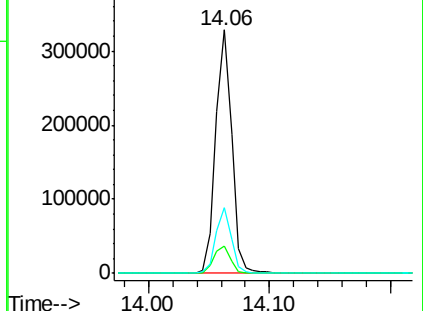
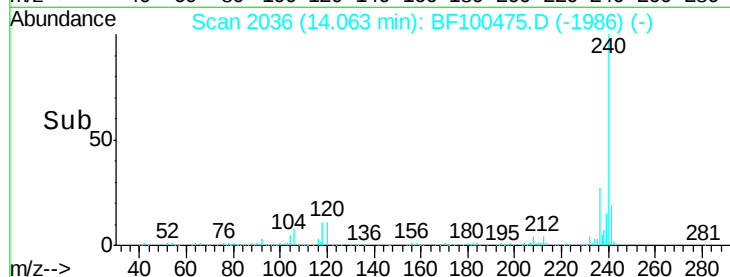
236 27.2 20.7 31.1



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: 77.01 ng

RT: 13.01 min Scan# 1857

Delta R.T. 0.00 min

Lab File: BF100475.D

Acq: 12 Nov 2017 7:55

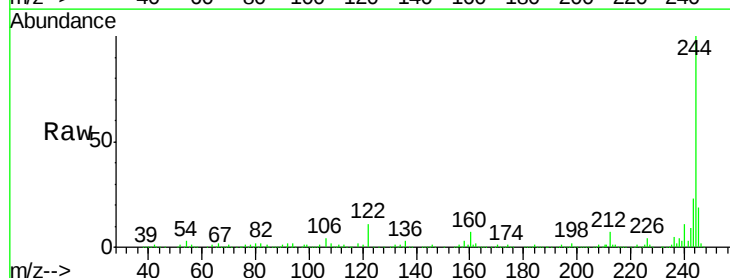
Tgt Ion:244 Resp: 998747

Ion Ratio Lower Upper

244 100

212 7.0 5.4 8.0

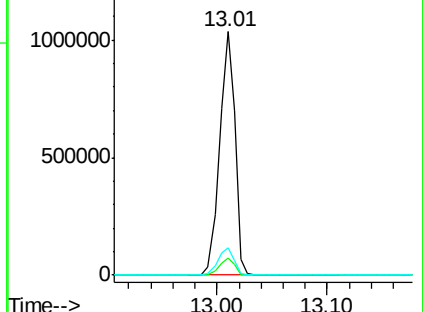
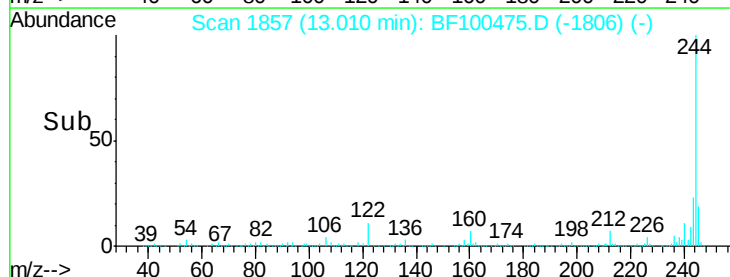
122 11.5 11.0 16.4

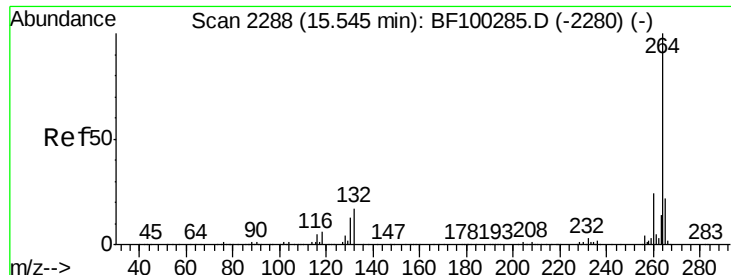


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

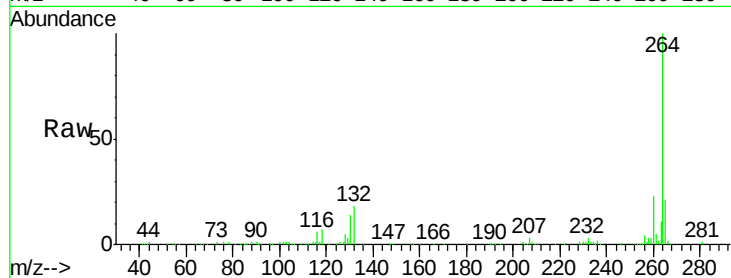




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.54 min Scan# 2288
Delta R.T. 0.00 min
Lab File: BF100475.D
Acq: 12 Nov 2017 7:55

Instrument :
BNA_F
ClientSampleId :
110717-TIDO-F-D-S

Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.6	19.2	28.8
265	21.1	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

