

Data Path : Z:\HPCHEM1\BNA F\DATA\BF121917\
 Data File : BF101554.D
 Acq On : 20 Dec 2017 6:44
 Operator : SJ/JU
 Sample : I6956-06
 Misc :
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 121417-TIDO-E-U-S

Quant Time: Dec 20 07:17:49 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 18 15:38:59 2017
 Response via : Initial Calibration

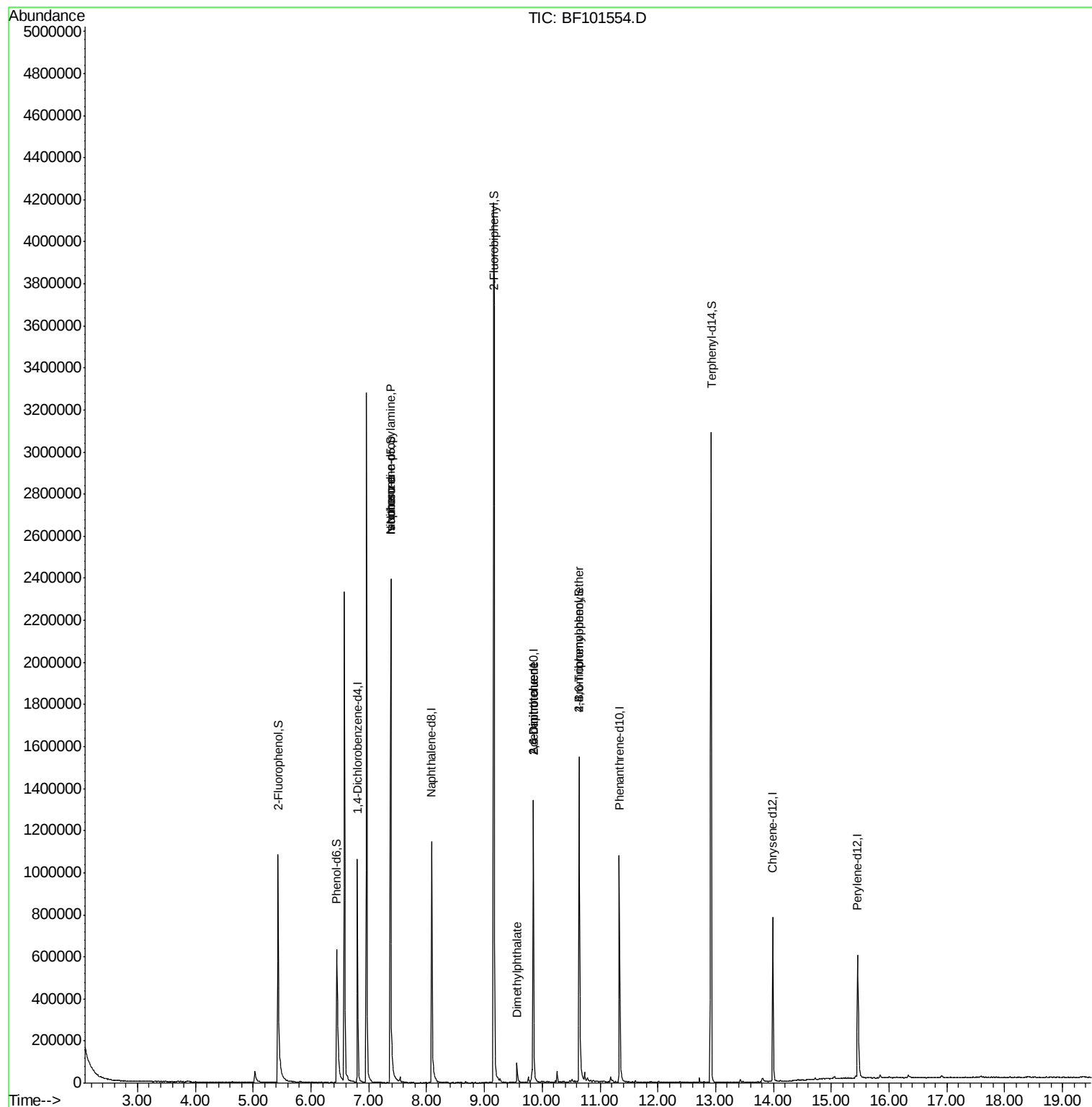
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	160978	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	659185	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	290405	20.00	ng	0.00
63) Phenanthrene-d10	11.34	188	492728	20.00	ng	0.00
75) Chrysene-d12	13.99	240	319778	20.00	ng	0.00
86) Perylene-d12	15.46	264	340244	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	444693	41.15	ng	0.00
7) Phenol-d6	6.45	99	343724	25.56	ng	0.00
23) Nitrobenzene-d5	7.37	82	1018089	85.97	ng	0.00
41) 2,4,6-Tribromophenol	10.64	330	214163	76.53	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	1571335	83.94	ng	0.00
78) Terphenyl-d14	12.92	244	1154317	87.02	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.37	70	136805	15.489	ng	# 81
25) Isophorone	7.37	82	1018089	42.857	ng	# 64
49) Dimethylphthalate	9.56	163	48952	2.096	ng	# 97
50) 2,6-Dinitrotoluene	9.85	165	36597	7.709	ng	# 26
56) 2,4-Dinitrotoluene	9.85	165	36597	6.842	ng	# 24
66) 4-Bromophenyl-phenylether	10.64	248	13936	2.517	ng	# 1

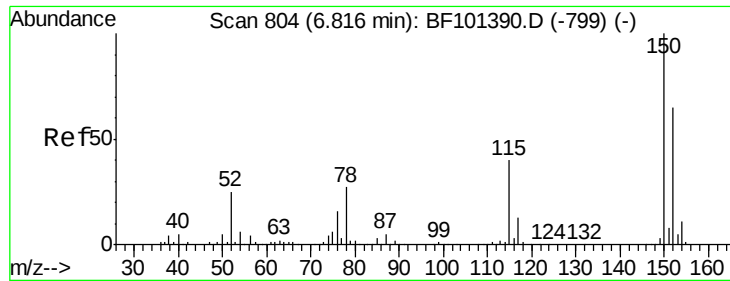
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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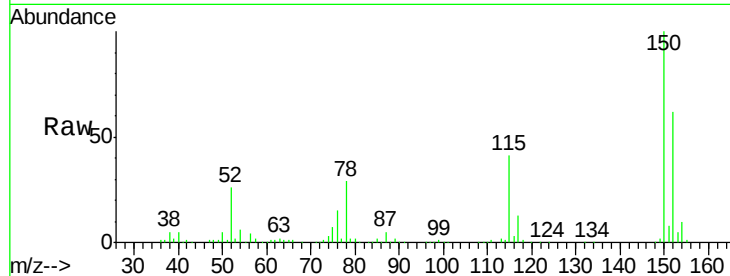


#1

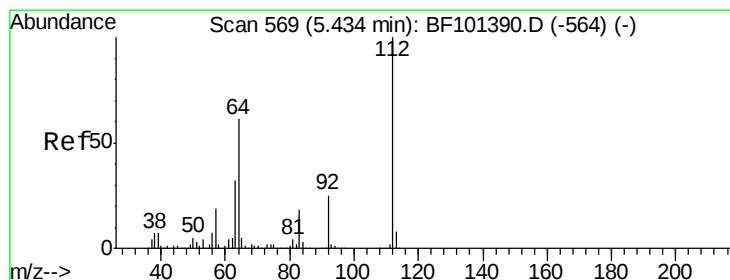
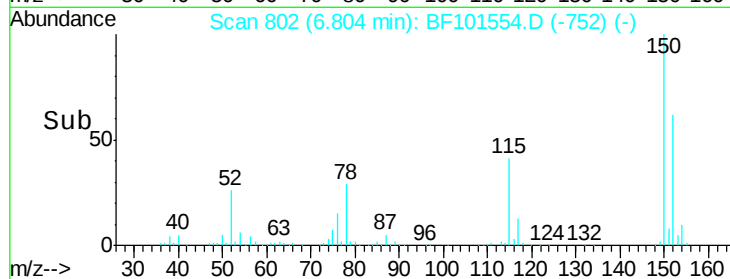
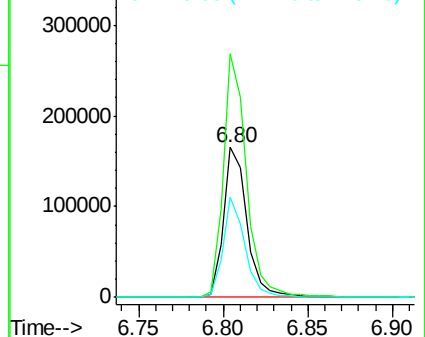
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 802
Delta R.T. -0.01 min
Lab File: BF101554.D
Acq: 20 Dec 2017 6:44

Instrument :
BNA_F
ClientSampleId :
121417-TIDO-E-U-S

Tot Ion:152 Resp: 160978
Ion Ratio Lower Upper
152 100
150 162.3 124.6 186.8
115 66.4 50.1 75.1



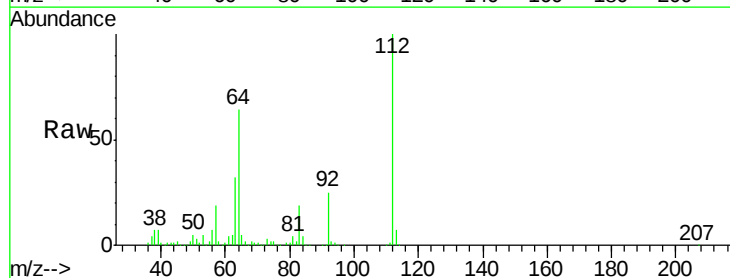
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



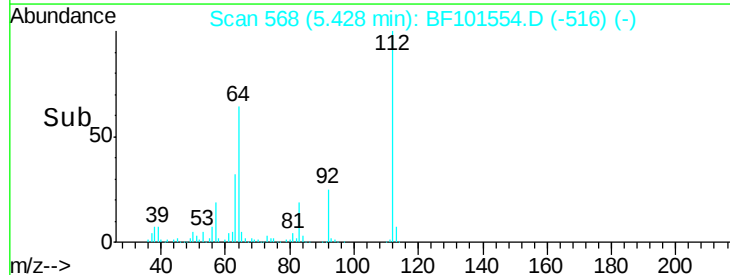
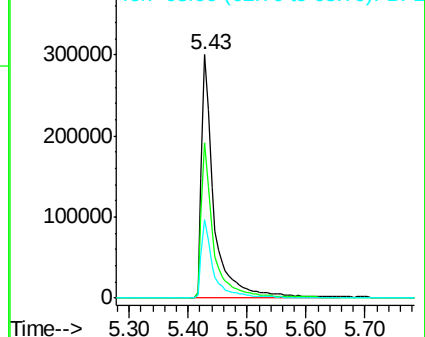
#5

2-Fluorophenol
Concen: 41.149 ng
RT: 5.43 min Scan# 568
Delta R.T. 0.01 min
Lab File: BF101554.D
Acq: 20 Dec 2017 6:44

Tgt Ion:112 Resp: 444693
Ion Ratio Lower Upper
112 100
64 63.6 47.9 71.9
63 32.3 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: 25.556 ng

RT: 6.45 min Scan# 741

Delta R.T. -0.01 min

Lab File: BF101554.D

Acq: 20 Dec 2017 6:44

Instrument :

BNA_F

ClientSampleId :

121417-TIDO-E-U-S

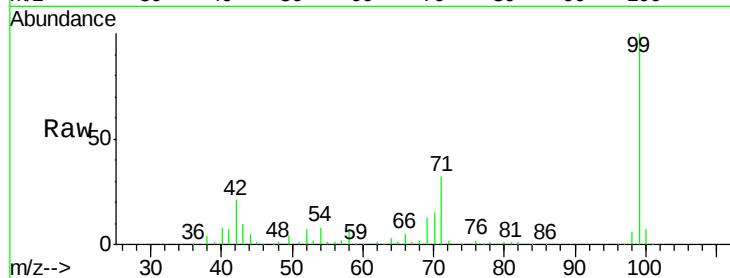
Tot Ion: 99 Resp: 343724

Ion Ratio Lower Upper

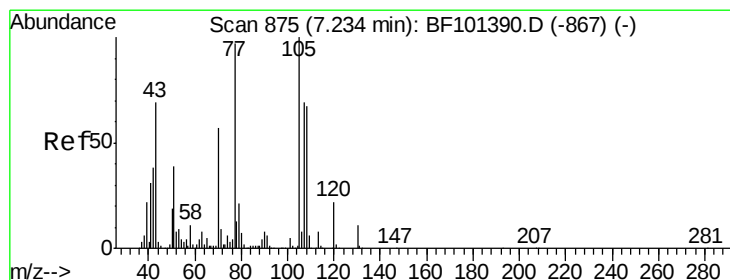
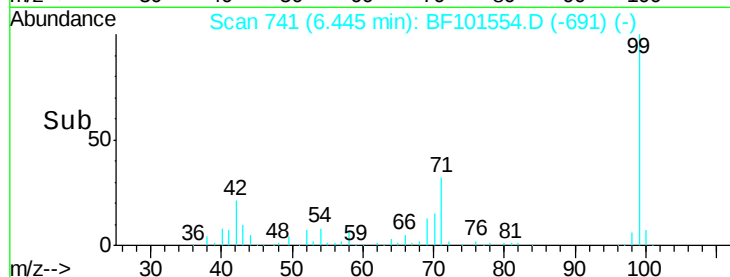
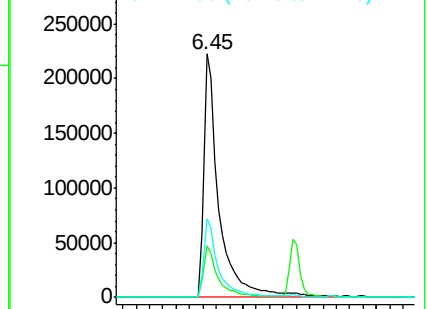
99 100

42 21.3 14.5 21.7

71 32.0 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: 15.489 ng

RT: 7.37 min Scan# 899

Delta R.T. 0.15 min

Lab File: BF101554.D

Acq: 20 Dec 2017 6:44

Tgt Ion: 70 Resp: 136805

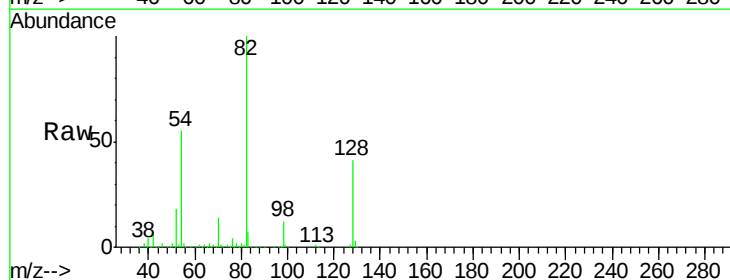
Ion Ratio Lower Upper

70 100

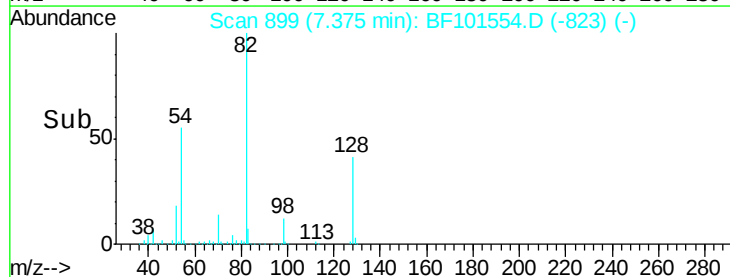
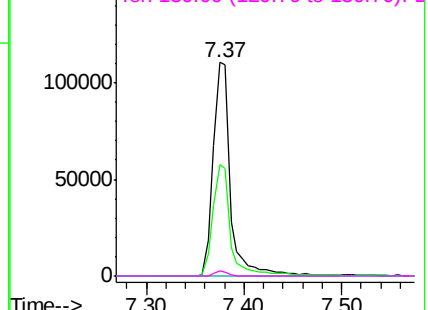
42 51.9 47.5 71.3

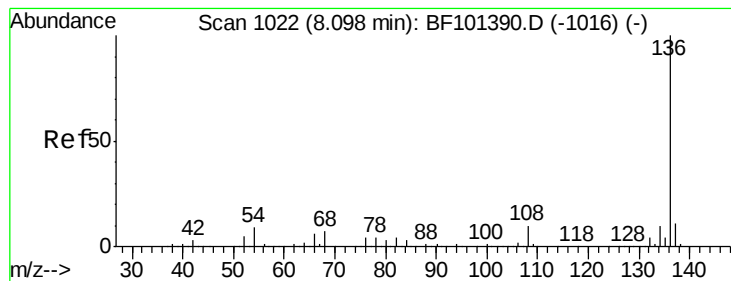
101 0.0 7.4 11.2#

130 2.1 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: 8.09 min Scan# 1020

Delta R.T. -0.01 min

Lab File: BF101554.D

Acq: 20 Dec 2017 6:44

Instrument :

BNA_F

ClientSampleId :

121417-TIDO-E-U-S

Tot Ion:136 Resp: 659185

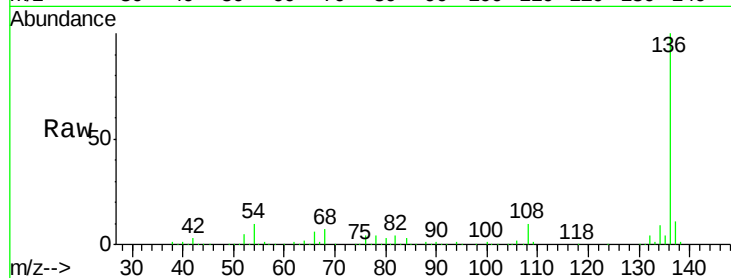
Ion Ratio Lower Upper

136 100

137 11.3 8.9 13.3

54 9.7 6.6 9.8

68 7.2 5.0 7.4

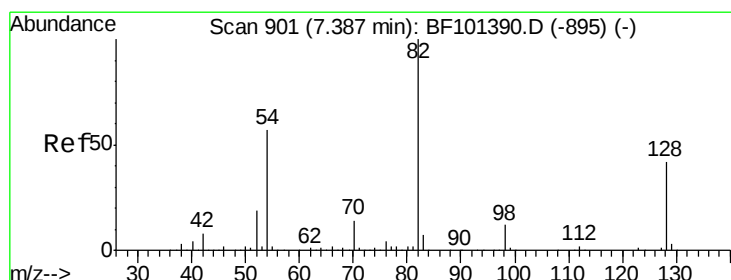
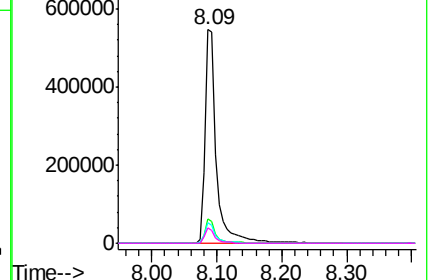
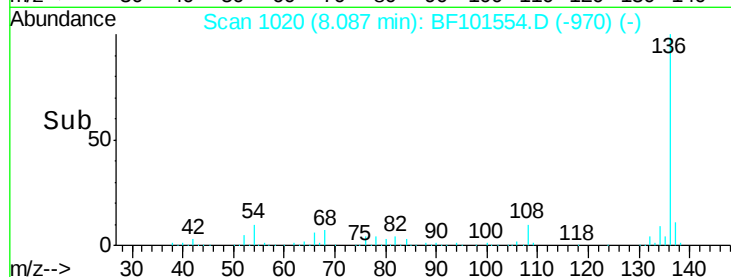


Abundance Ion 136.00 (135.70 to 136.70): E

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: 85.974 ng

RT: 7.37 min Scan# 899

Delta R.T. -0.01 min

Lab File: BF101554.D

Acq: 20 Dec 2017 6:44

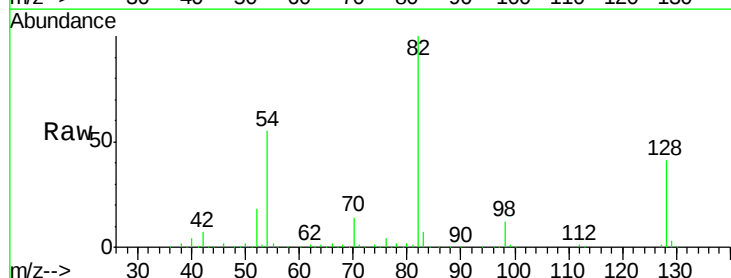
Tgt Ion: 82 Resp: 1018089

Ion Ratio Lower Upper

82 100

128 41.3 36.1 54.1

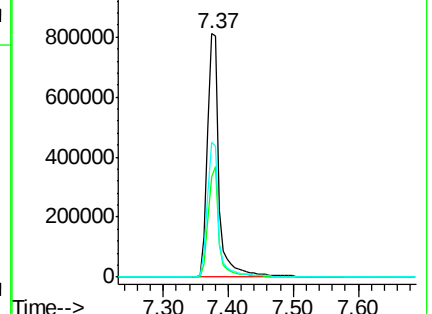
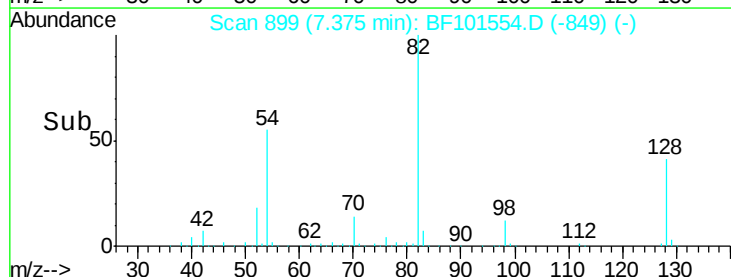
54 55.3 41.4 62.2

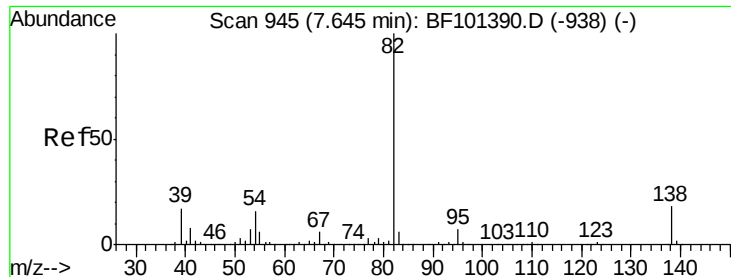


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 42.857 ng

RT: 7.37 min Scan# 899

Delta R.T. -0.26 min

Lab File: BF101554.D

Acq: 20 Dec 2017 6:44

Instrument :

BNA_F

ClientSampleId :

121417-TIDO-E-U-S

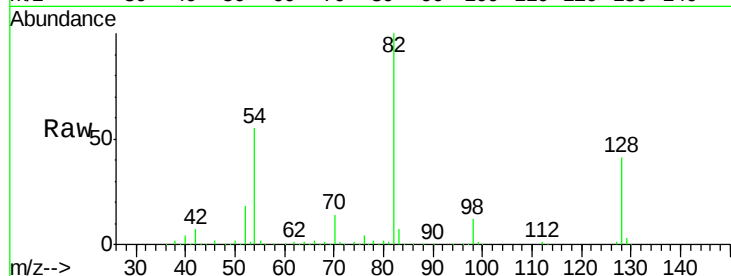
Tot Ion: 82 Resp: 1018089

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

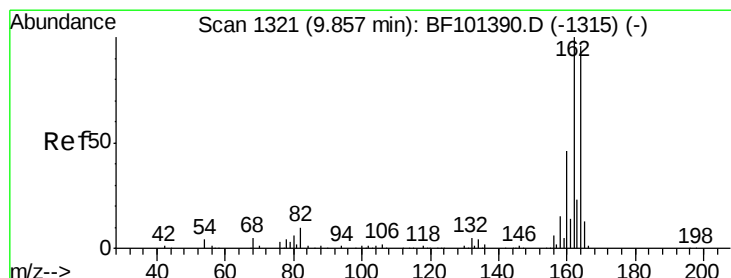
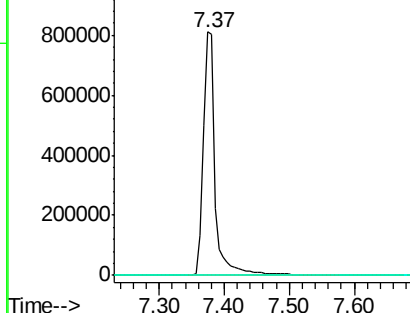
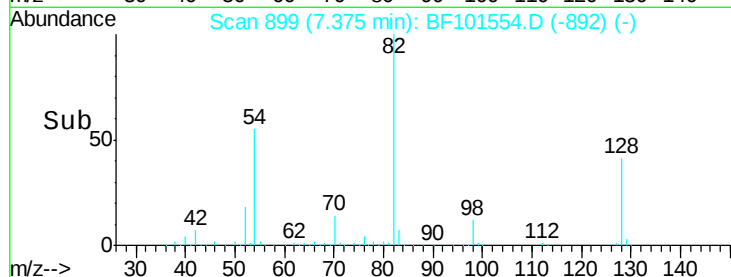
138 0.0 14.9 22.3#



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



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.85 min Scan# 1319

Delta R.T. 0.00 min

Lab File: BF101554.D

Acq: 20 Dec 2017 6:44

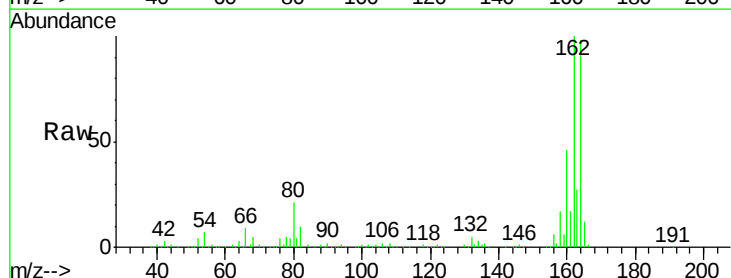
Tgt Ion: 164 Resp: 290405

Ion Ratio Lower Upper

164 100

162 101.8 86.1 129.1

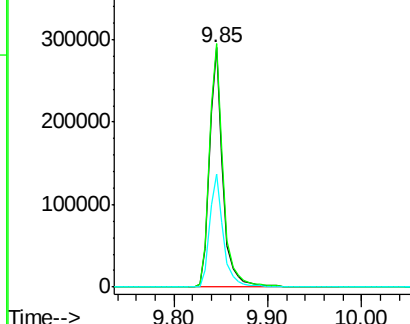
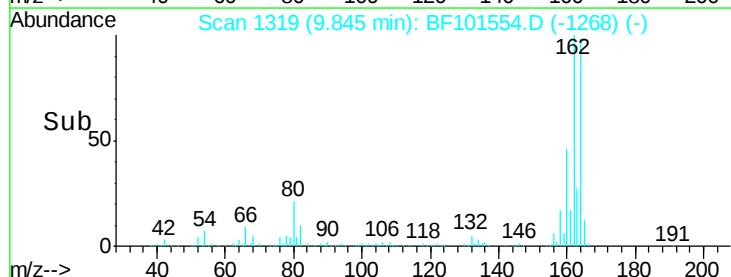
160 47.1 38.3 57.5

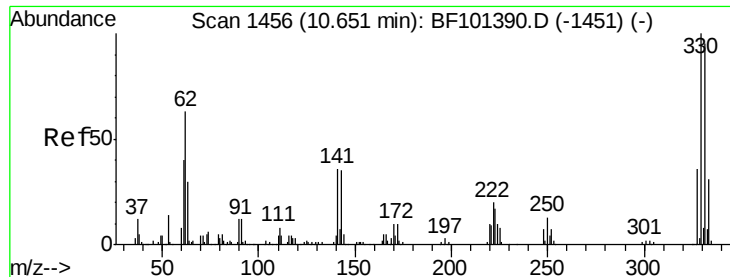


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

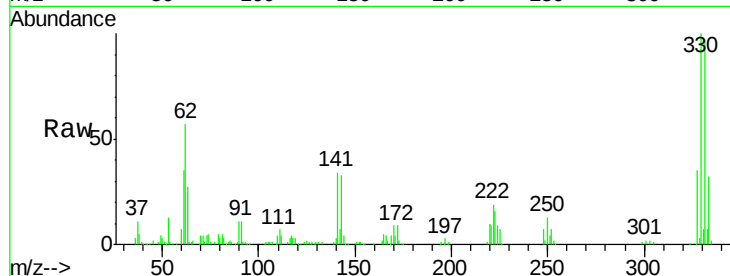




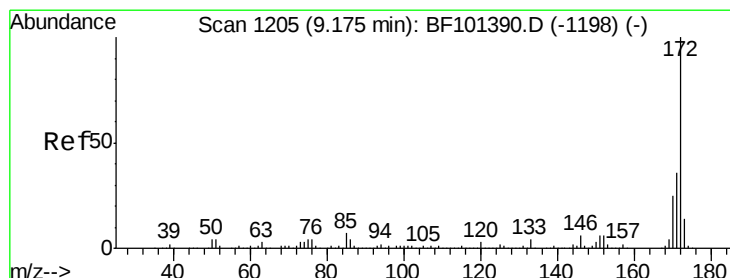
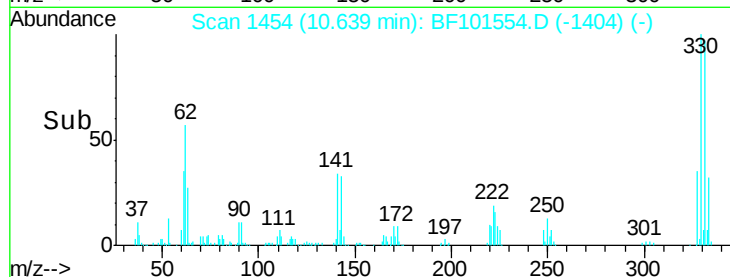
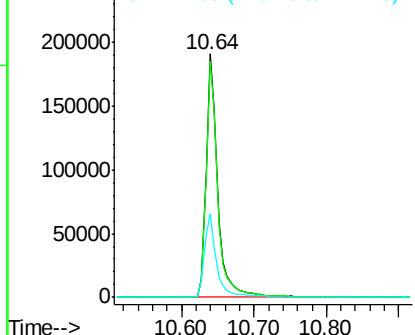
#41
 2,4,6-Tribromophenol
 Concen: 76.534 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. -0.01 min
 Lab File: BF101554.D
 Acq: 20 Dec 2017 6:44

Instrument :
 BNA_F
 ClientSampleId :
 121417-TIDO-E-U-S

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.8	77.0	115.6
141	35.6	29.9	44.9

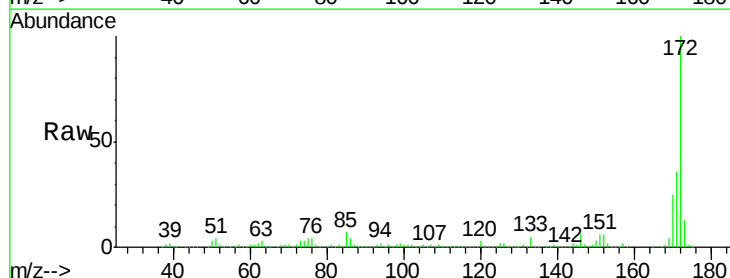


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

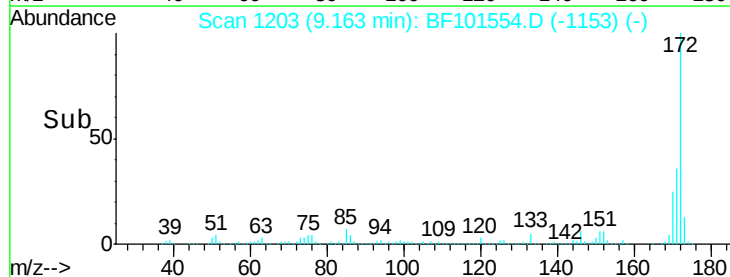
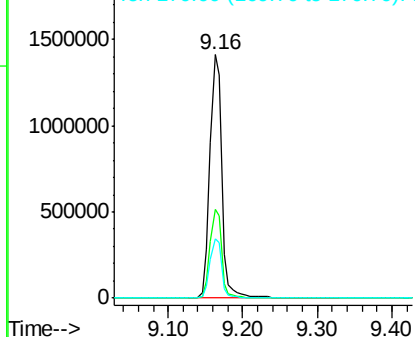


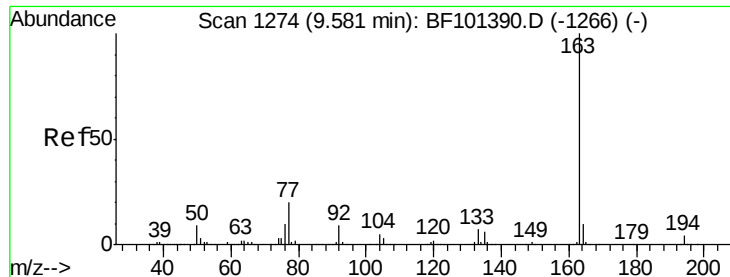
#44
 2-Fluorobiphenyl
 Concen: 83.935 ng
 RT: 9.16 min Scan# 1203
 Delta R.T. -0.01 min
 Lab File: BF101554.D
 Acq: 20 Dec 2017 6:44

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.4	29.7	44.5
170	24.6	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

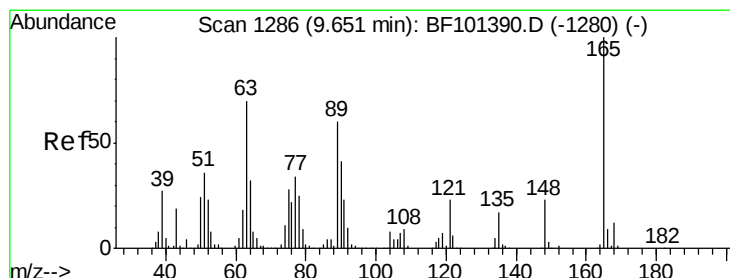
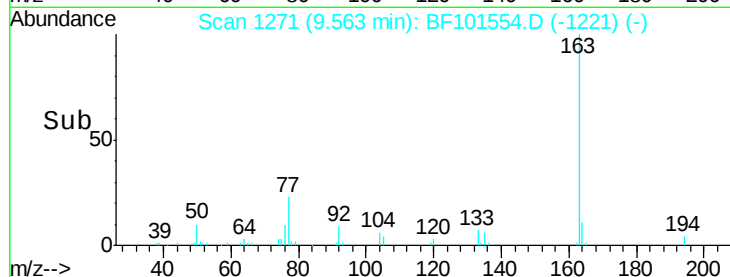
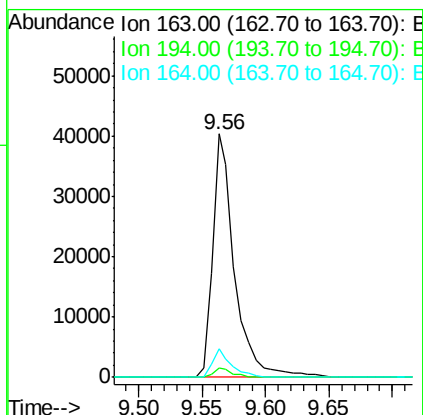
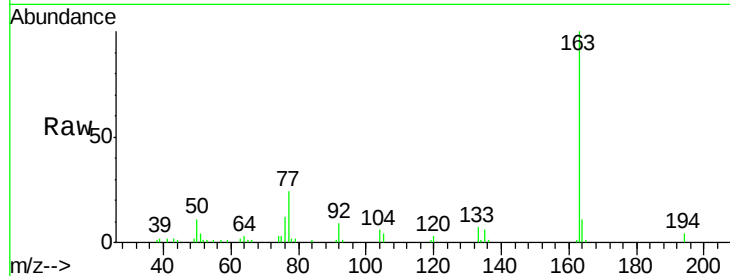




#49
Dimethylphthalate
Concen: 2.096 ng
RT: 9.56 min Scan# 1271
Delta R.T. -0.01 min
Lab File: BF101554.D
Acq: 20 Dec 2017 6:44

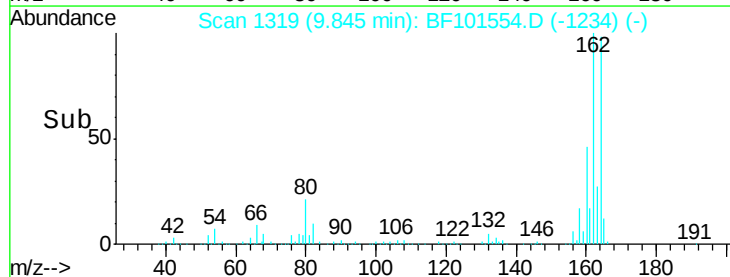
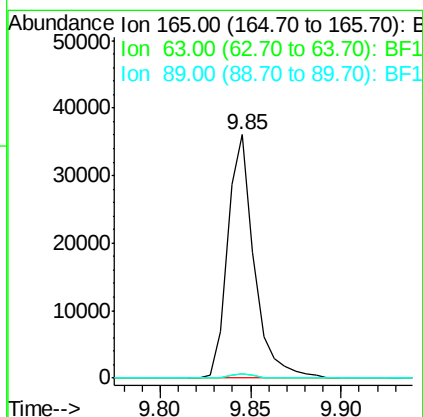
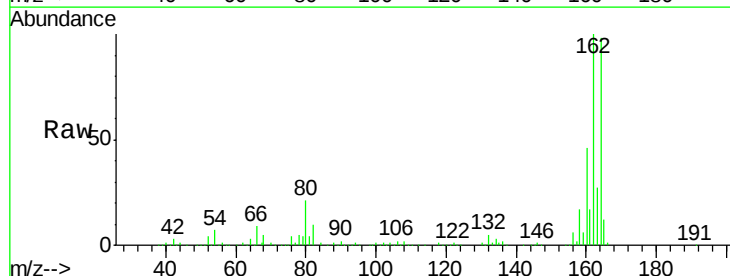
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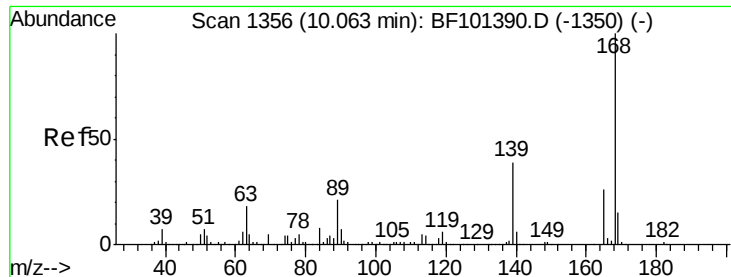
Tot Ion:163 Resp: 48952
Ion Ratio Lower Upper
163 100
194 3.7 2.7 4.1
164 11.5 8.2 12.2



#50
2,6-Dinitrotoluene
Concen: 7.709 ng
RT: 9.85 min Scan# 1319
Delta R.T. 0.20 min
Lab File: BF101554.D
Acq: 20 Dec 2017 6:44

Tgt Ion:165 Resp: 36597
Ion Ratio Lower Upper
165 100
63 2.0 44.7 67.1#
89 1.7 44.0 66.0#

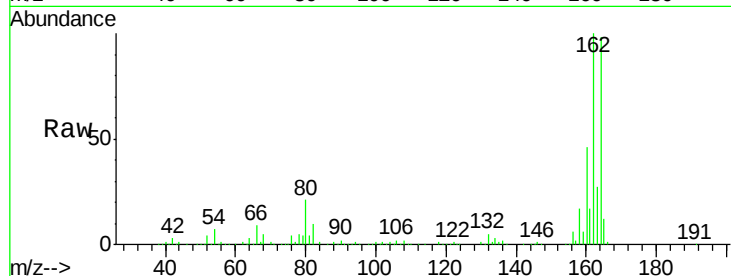




#56
 2,4-Dinitrotoluene
 Concen: 6.842 ng
 RT: 9.85 min Scan# 1319
 Delta R.T. -0.21 min
 Lab File: BF101554.D
 Acq: 20 Dec 2017 6:44

Instrument :
 BNA_F
 ClientSampleId :
 121417-TIDO-E-U-S

Tot Ion:	165	Resp:	36597
Ion	Ratio	Lower	Upper
165	100		
63	2.0	36.4	54.6#
89	1.7	57.8	86.6#
182	0.0	1.6	2.4#

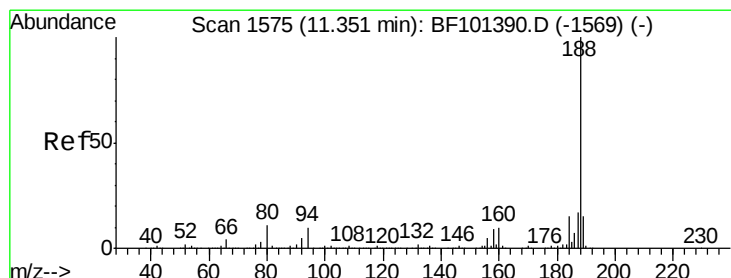
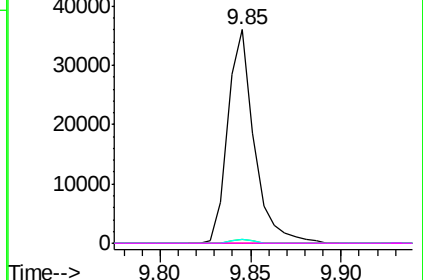
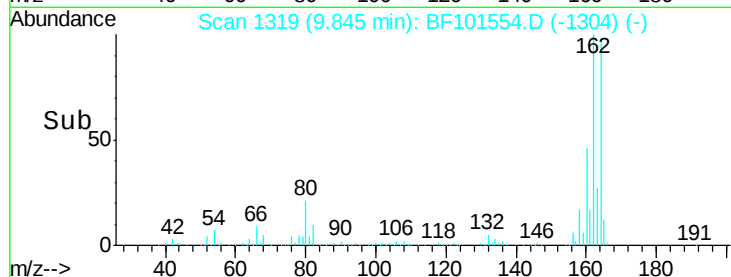


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

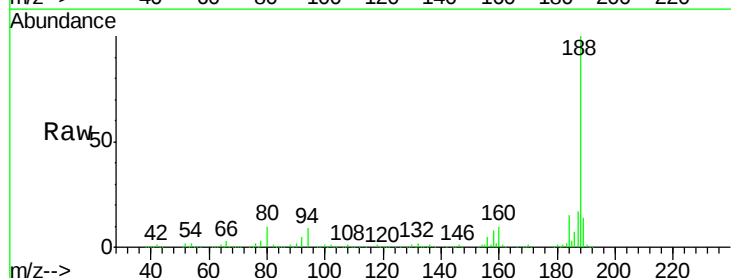
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.34 min Scan# 1573
 Delta R.T. 0.00 min
 Lab File: BF101554.D
 Acq: 20 Dec 2017 6:44

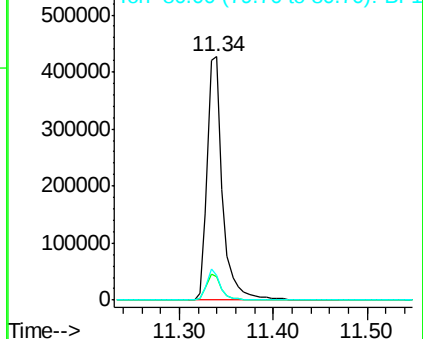
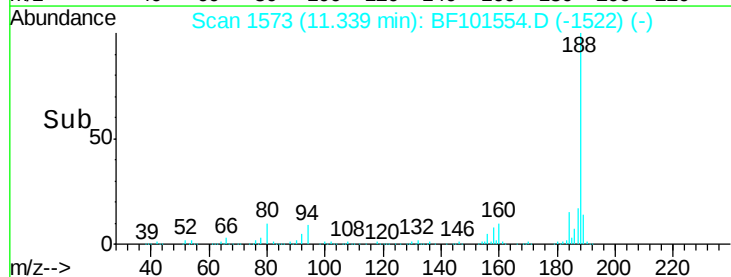
Tgt Ion:	188	Resp:	492728
Ion	Ratio	Lower	Upper
188	100		
94	9.4	8.5	12.7
80	10.1	9.2	13.8

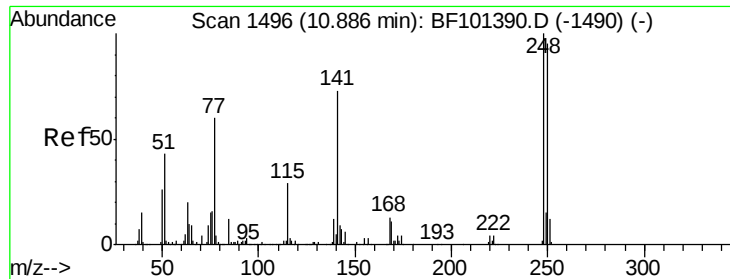


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

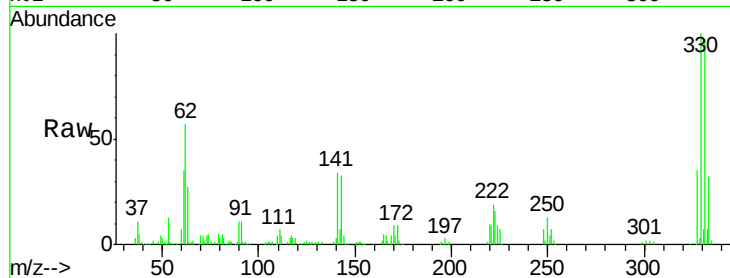




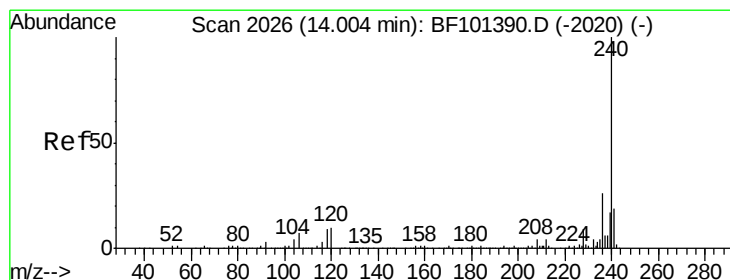
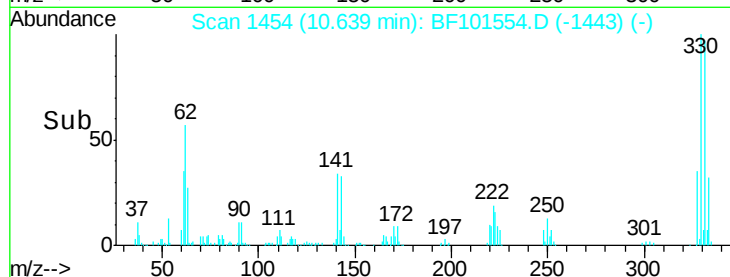
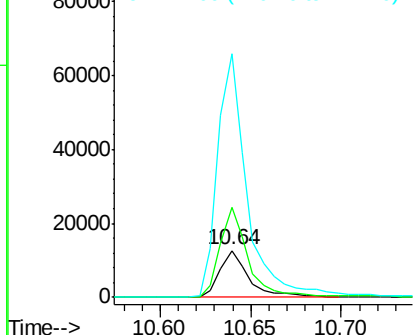
#66
4-Bromophenyl-phenylether
Concen: 2.517 ng
RT: 10.64 min Scan# 1454
Delta R.T. -0.24 min
Lab File: BF101554.D
Acq: 20 Dec 2017 6:44

Instrument :
BNA_F
ClientSampleId :
121417-TIDO-E-U-S

Tot Ion:248 Resp: 13936
Ion Ratio Lower Upper
248 100
250 193.1 76.9 115.3#
141 523.5 74.4 111.6#

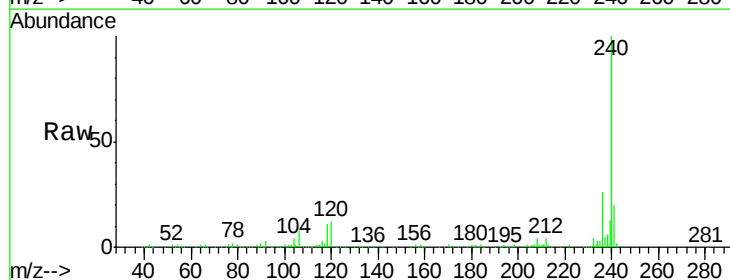


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

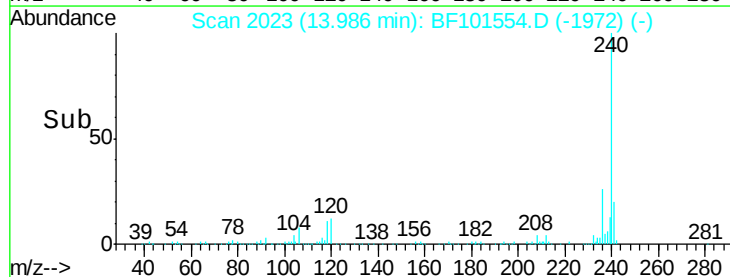
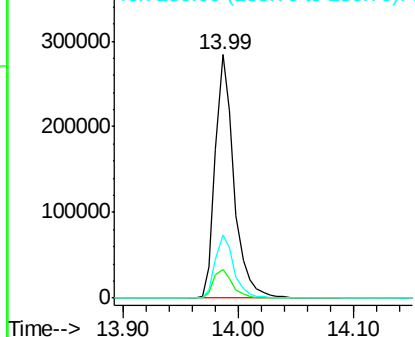


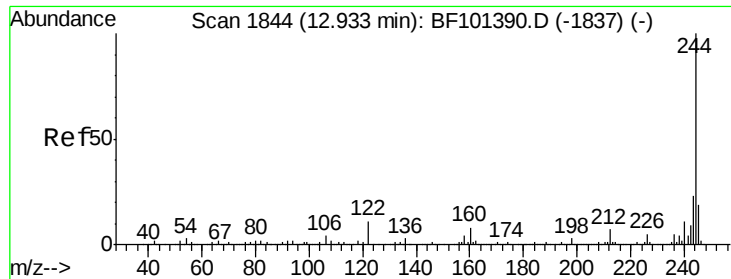
#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.99 min Scan# 2023
Delta R.T. 0.00 min
Lab File: BF101554.D
Acq: 20 Dec 2017 6:44

Tgt Ion:240 Resp: 319778
Ion Ratio Lower Upper
240 100
120 11.6 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: 87.023 ng

RT: 12.92 min Scan# 1842

Delta R.T. 0.00 min

Lab File: BF101554.D

Acq: 20 Dec 2017 6:44

Instrument :

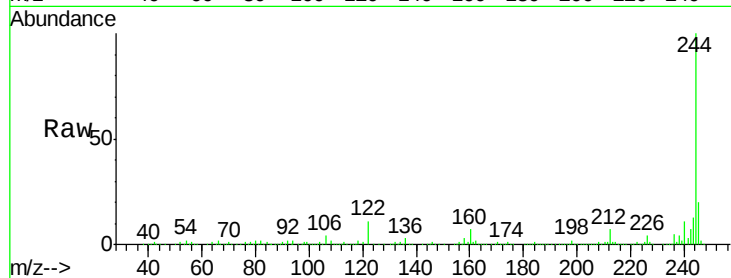
BNA_F

ClientSampleId :

121417-TIDO-E-U-S

Tot Ion:244 Resp: 1154317

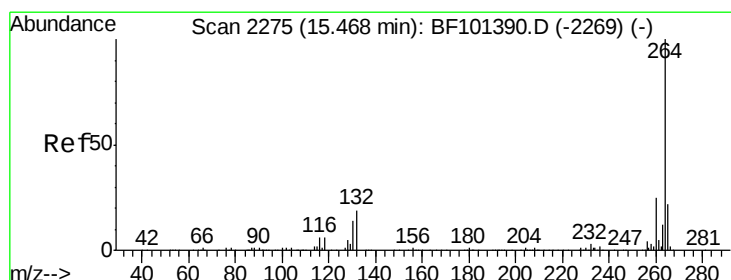
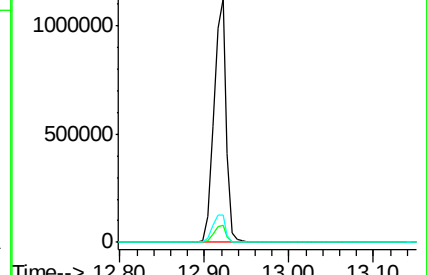
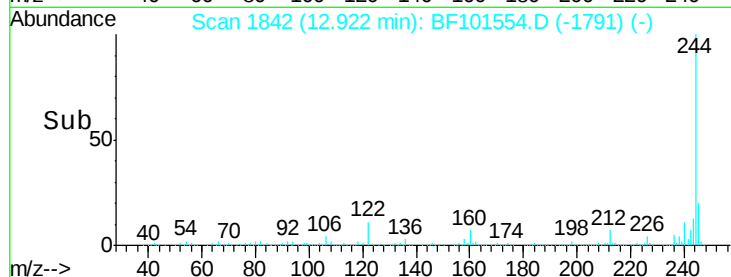
Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.4	8.0
122	11.1	11.0	16.4



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: 15.46 min Scan# 2273

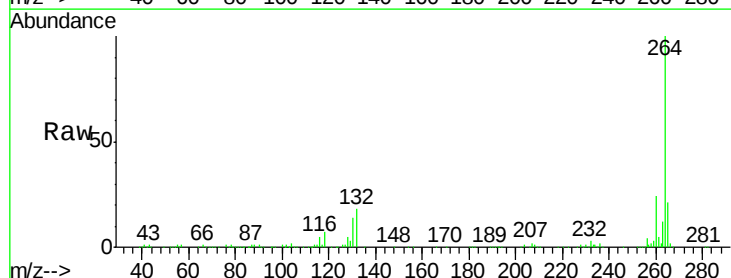
Delta R.T. 0.01 min

Lab File: BF101554.D

Acq: 20 Dec 2017 6:44

Tgt Ion:264 Resp: 340244

Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.2	28.8
265	20.8	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

