

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092320\
 Data File : BF121675.D
 Acq On : 23 Sep 2020 19:55
 Operator : JU/CG
 Sample : L4105-02
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MTB-SP

Quant Time: Sep 24 00:24:26 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 22 17:53:26 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	122986	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	482291	20.00	ng	0.00
39) Acenaphthene-d10	9.85	164	250491	20.00	ng	0.00
64) Phenanthrene-d10	11.33	188	500785	20.00	ng	0.00
76) Chrysene-d12	13.97	240	491407	20.00	ng	-0.01
86) Perylene-d12	15.42	264	462109	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.44	112	825460	99.75	ng	0.01
7) Phenol-d6	6.45	99	901054	82.99	ng	0.00
23) Nitrobenzene-d5	7.37	82	845501	94.13	ng	0.00
42) 2,4,6-Tribromophenol	10.64	330	428918	137.77	ng	0.00
45) 2-Fluorobiphenyl	9.17	172	1440835	87.12	ng	0.00
79) Terphenyl-d14	12.92	244	1814446	74.80	ng	0.00

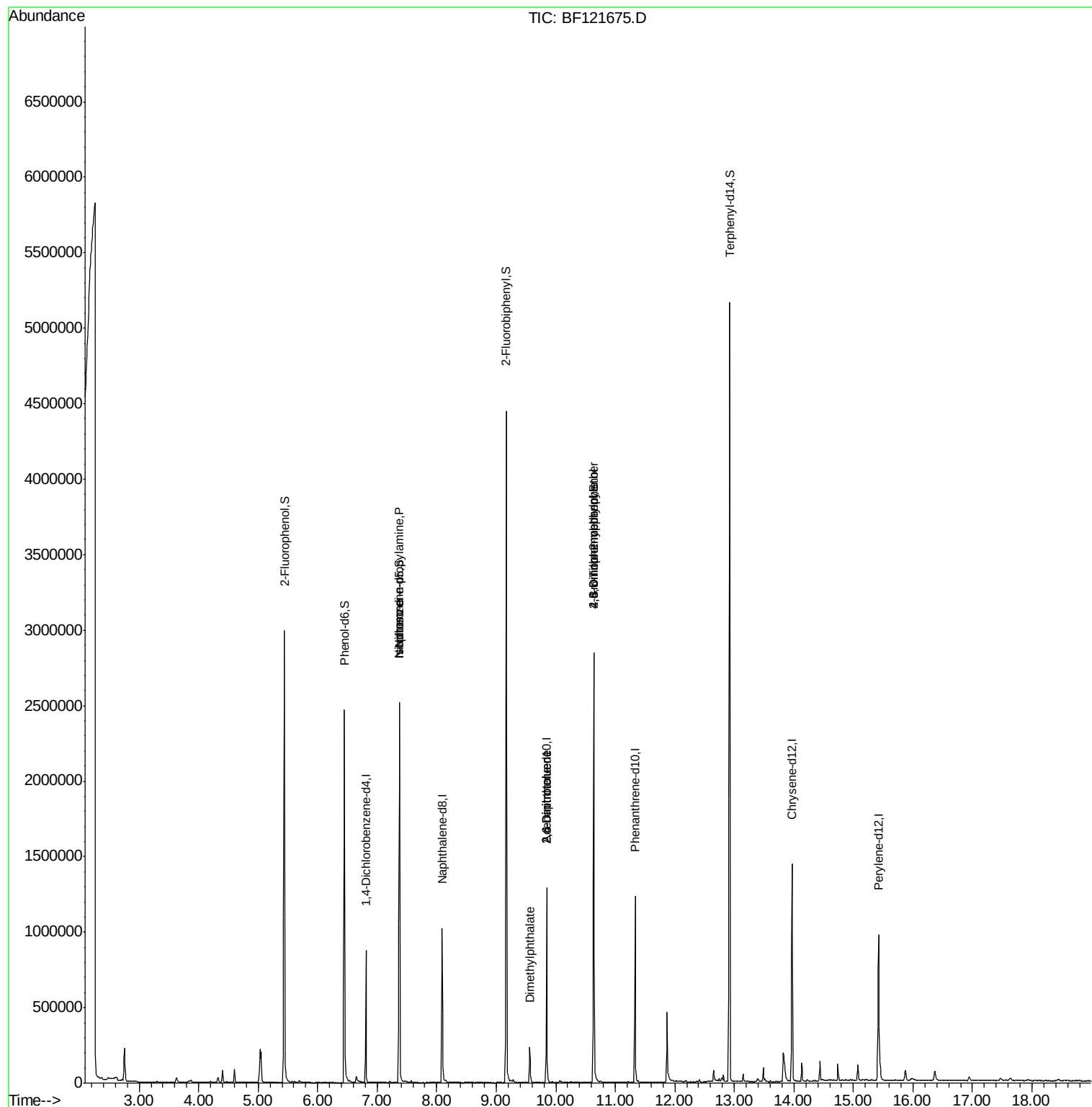
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.37	70	113486	18.137	ng	# 79
25) Isophorone	7.37	82	841678	46.548	ng	# 67
50) Dimethylphthalate	9.56	163	104616	5.762	ng	# 99
51) 2,6-Dinitrotoluene	9.85	165	31971	8.269	ng	# 23
57) 2,4-Dinitrotoluene	9.85	165	31971	6.573	ng	# 23
65) 4,6-Dinitro-2-methylphenol	10.63	198	688	7.044	ng	# 1
67) 4-Bromophenyl-phenylether	10.64	248	25003	4.385	ng	# 1

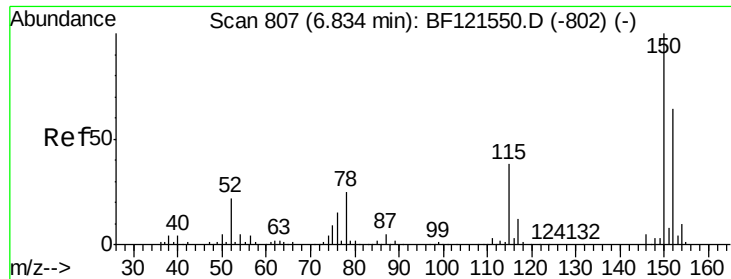
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 10 Sample Multiplier: 1

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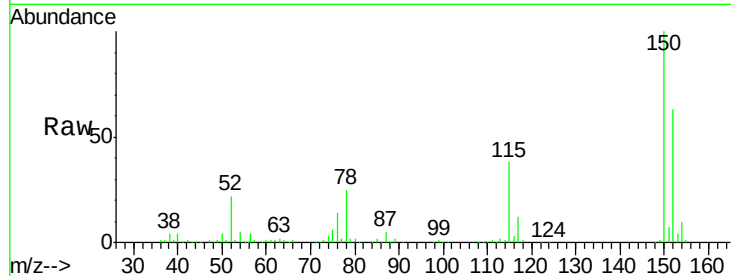


#1

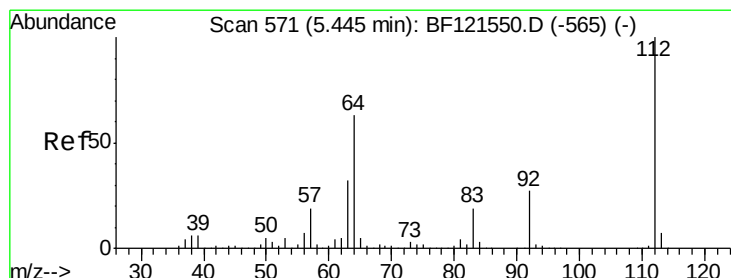
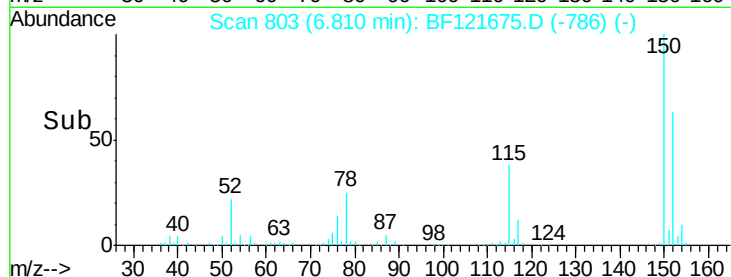
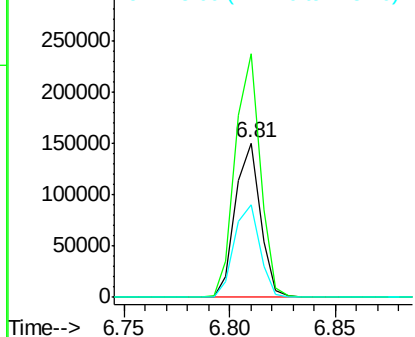
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.81 min Scan# 803
Delta R.T. -0.00 min
Lab File: BF121675.D
Acq: 23 Sep 2020 19:55

Instrument :
BNA_F
ClientSampleId :
MTB-SP

Tot Ion:152 Resp: 122986
Ion Ratio Lower Upper
152 100
150 157.5 128.1 192.1
115 59.8 52.6 79.0



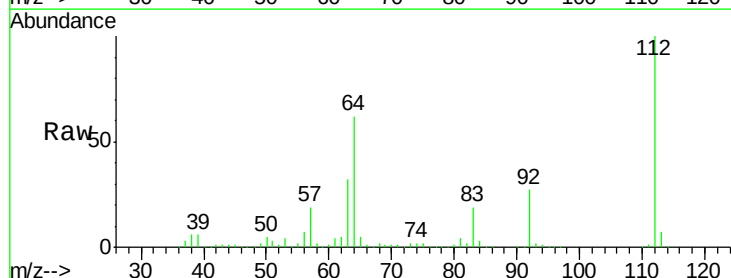
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



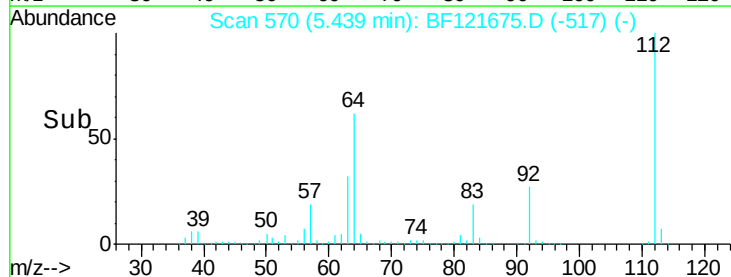
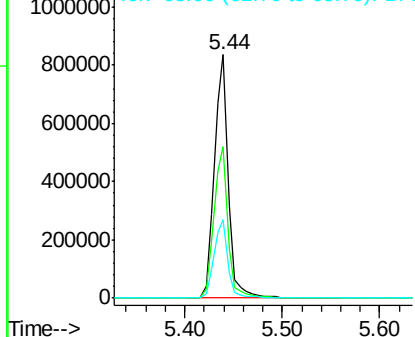
#5

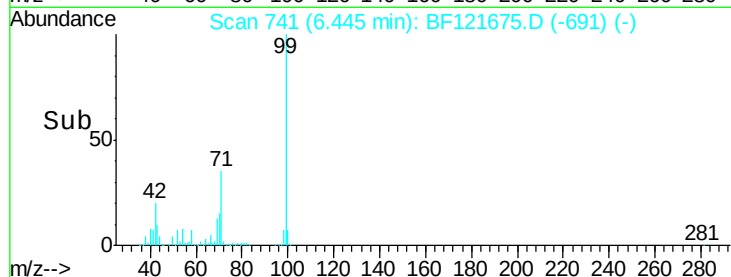
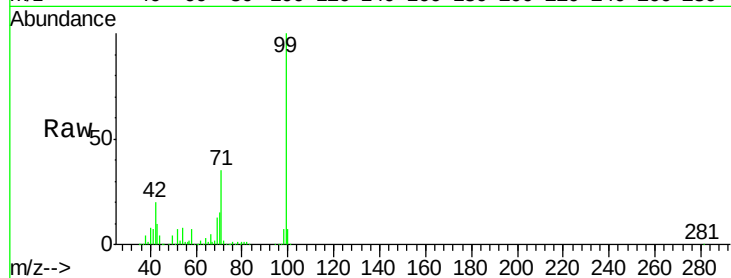
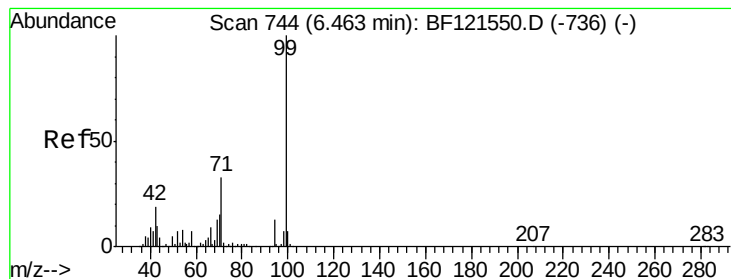
2-Fluorophenol
Concen: 99.746 ng
RT: 5.44 min Scan# 570
Delta R.T. 0.01 min
Lab File: BF121675.D
Acq: 23 Sep 2020 19:55

Tgt Ion:112 Resp: 825460
Ion Ratio Lower Upper
112 100
64 62.3 52.2 78.2
63 32.1 26.6 39.8



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: 82.992 ng

RT: 6.45 min Scan# 741

Delta R.T. -0.01 min

Lab File: BF121675.D

Acq: 23 Sep 2020 19:55

Instrument :

BNA_F

ClientSampleId :

MTB-SP

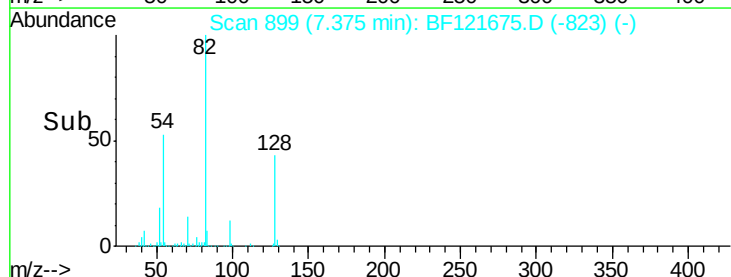
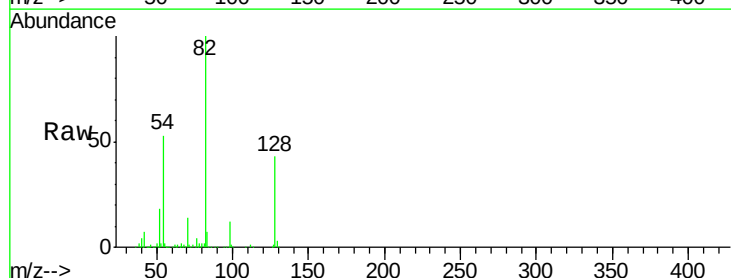
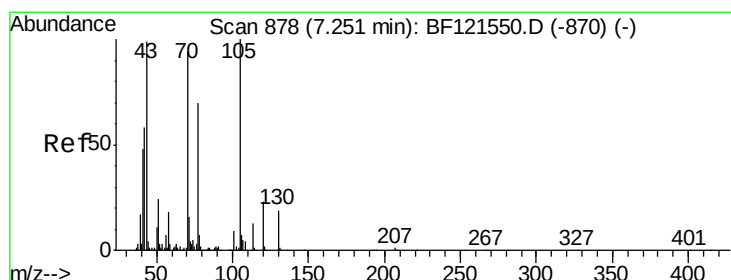
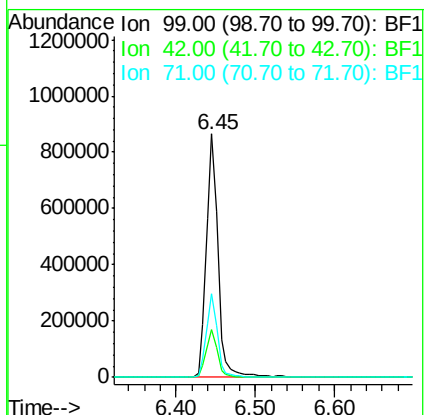
Tot Ion: 99 Resp: 901054

Ion Ratio Lower Upper

99 100

42 19.9 15.5 23.3

71 34.5 27.4 41.2



#19

n-Nitroso-di-n-propylamine

Concen: 18.137 ng

RT: 7.37 min Scan# 899

Delta R.T. 0.15 min

Lab File: BF121675.D

Acq: 23 Sep 2020 19:55

Tgt Ion: 70 Resp: 113486

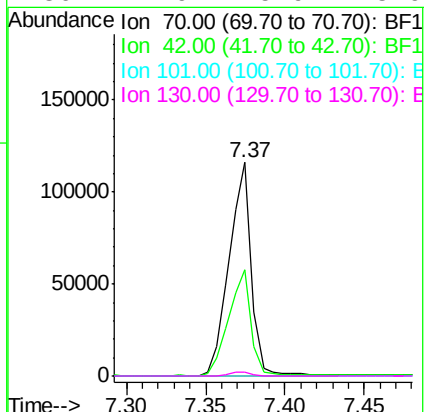
Ion Ratio Lower Upper

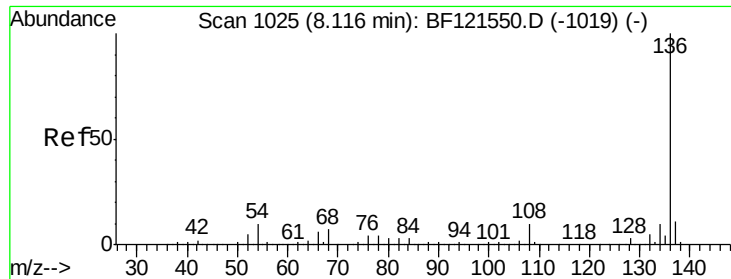
70 100

42 49.8 48.3 72.5

101 0.0 7.6 11.4#

130 1.9 15.9 23.9#

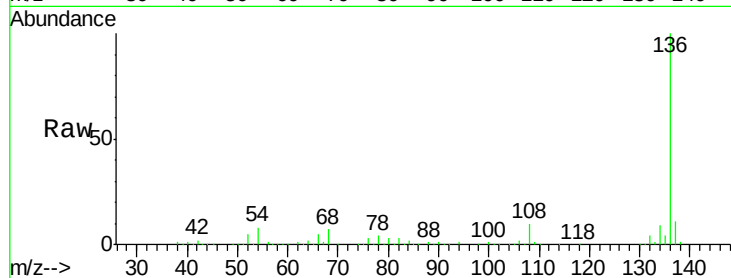




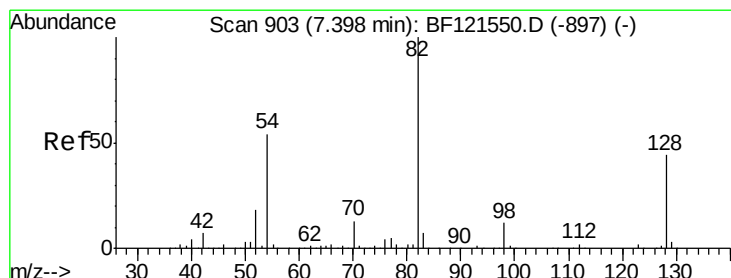
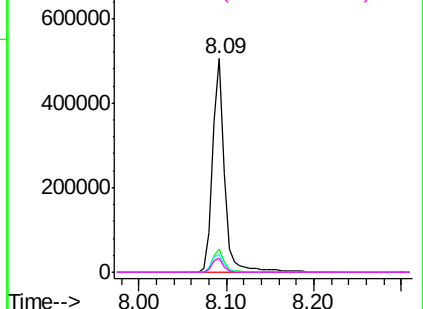
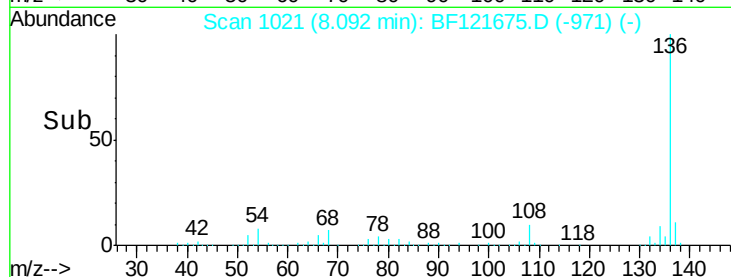
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1021
Delta R.T. -0.01 min
Lab File: BF121675.D
Acq: 23 Sep 2020 19:55

Instrument :
BNA_F
ClientSampleId :
MTB-SP

Tot Ion:136	Resp:	482291
Ion	Ratio	Lower Upper
136	100	
137	10.7	8.9 13.3
54	8.4	7.4 11.0
68	6.5	5.3 7.9

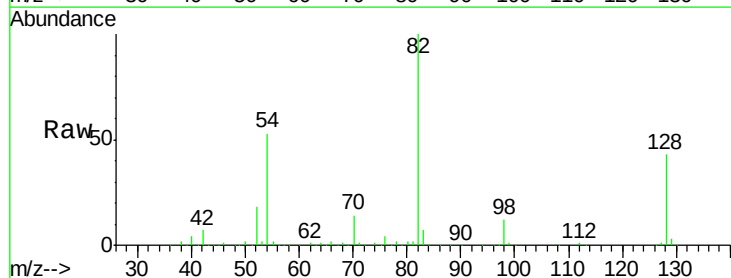


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

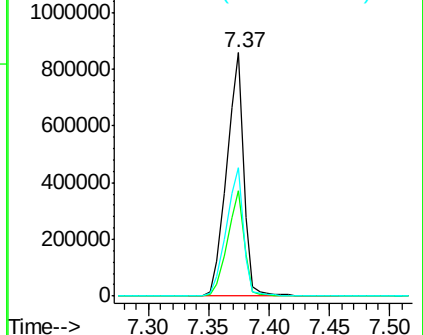
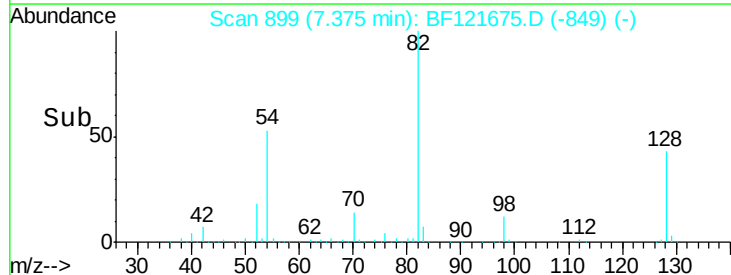


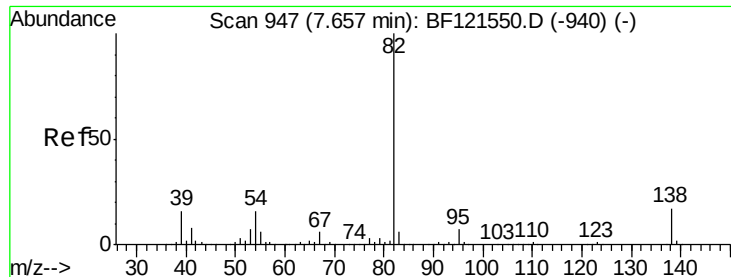
#23
Nitrobenzene-d5
Concen: 94.127 ng
RT: 7.37 min Scan# 899
Delta R.T. -0.01 min
Lab File: BF121675.D
Acq: 23 Sep 2020 19:55

Tgt Ion: 82	Resp:	845501
Ion	Ratio	Lower Upper
82	100	
128	43.2	33.9 50.9
54	52.5	42.9 64.3



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: 46.548 ng

RT: 7.37 min Scan# 899

Delta R.T. -0.26 min

Lab File: BF121675.D

Acq: 23 Sep 2020 19:55

Instrument :

BNA_F

ClientSampleId :

MTB-SP

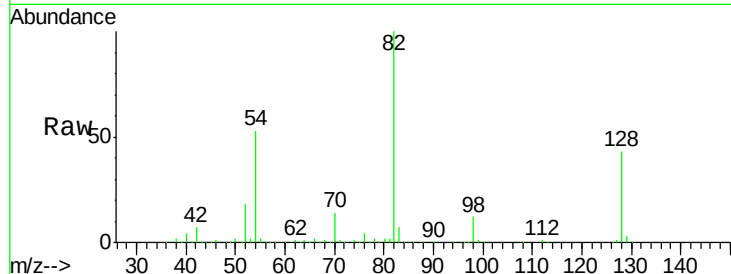
Tot Ion: 82 Resp: 841678

Ion Ratio Lower Upper

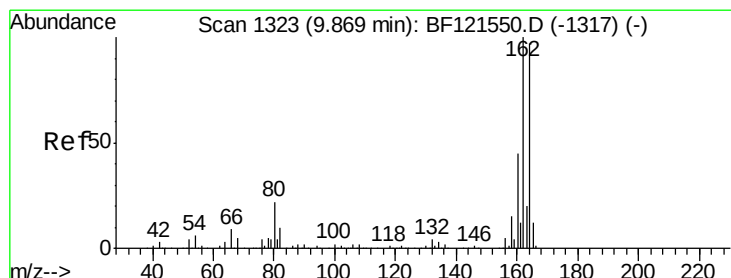
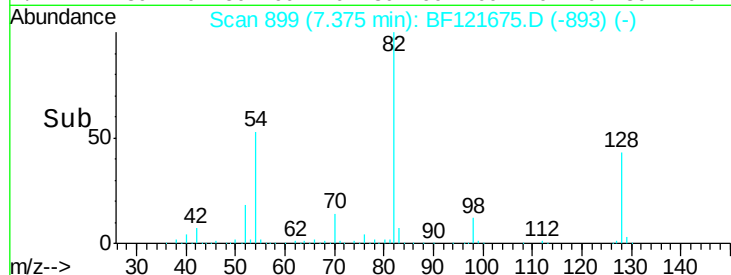
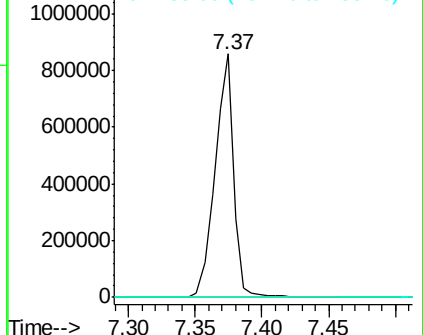
82 100

95 0.0 5.8 8.6#

138 0.0 13.2 19.8#



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



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.85 min Scan# 1319

Delta R.T. -0.01 min

Lab File: BF121675.D

Acq: 23 Sep 2020 19:55

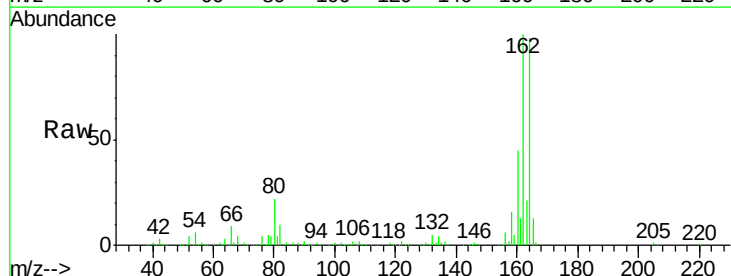
Tgt Ion: 164 Resp: 250491

Ion Ratio Lower Upper

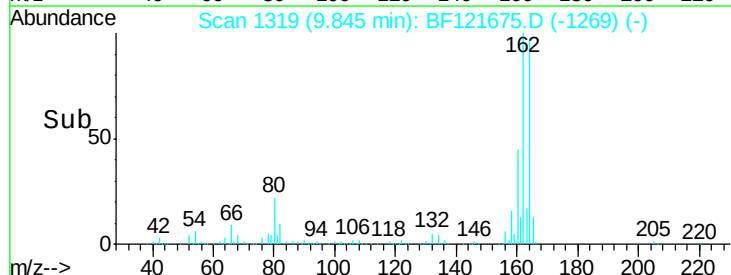
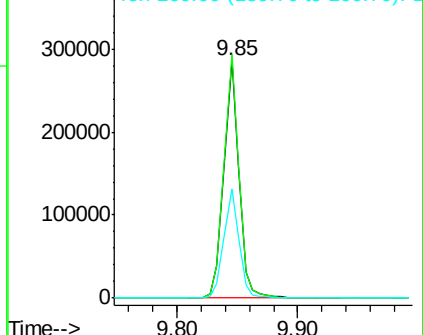
164 100

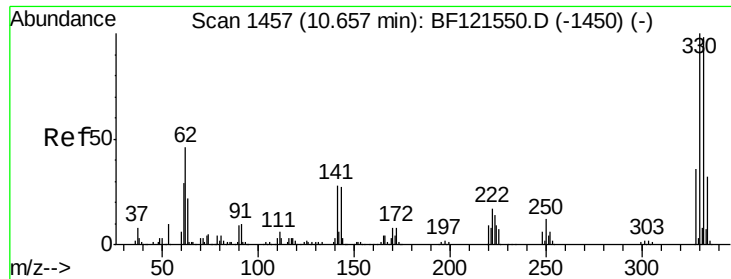
162 102.3 81.2 121.8

160 45.8 36.2 54.4



Abundance Ion 164.00 (163.70 to 164.70): BF1
Ion 162.00 (161.70 to 162.70): BF1
Ion 160.00 (159.70 to 160.70): BF1

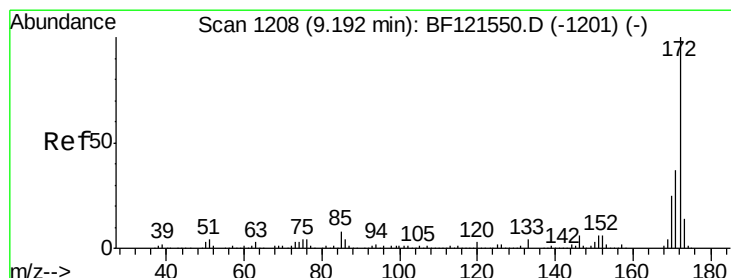
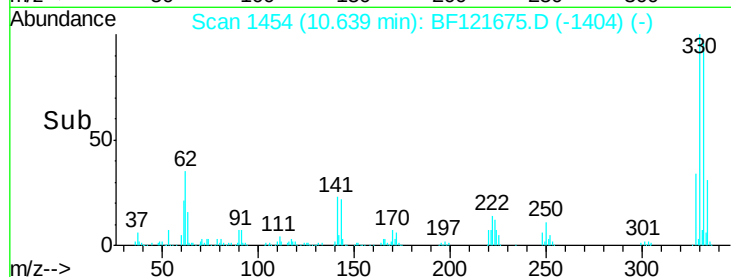
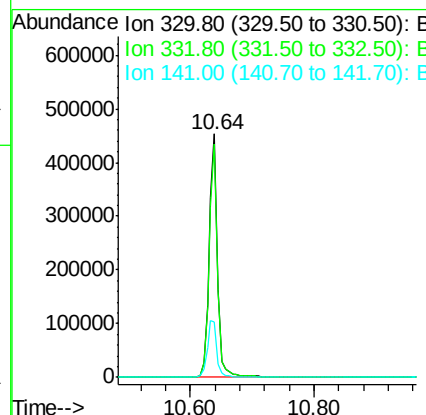
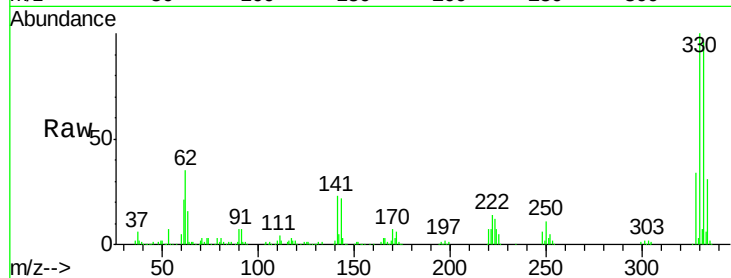




#42
 2,4,6-Tribromophenol
 Concen: 137.771 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. -0.01 min
 Lab File: BF121675.D
 Acq: 23 Sep 2020 19:55

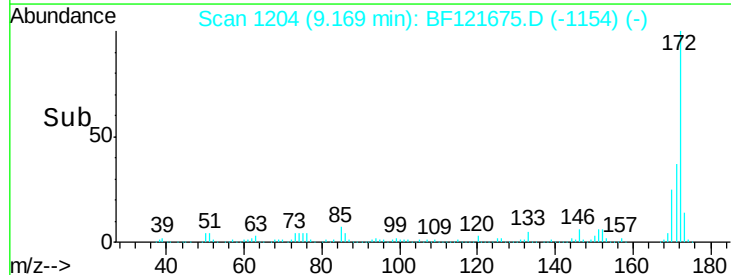
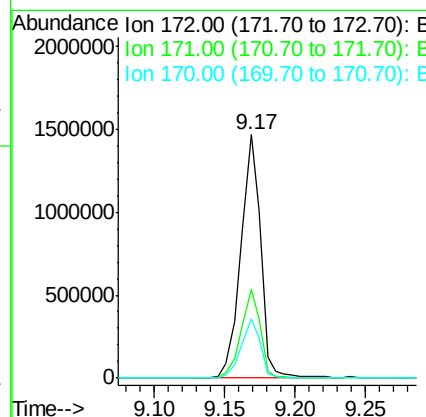
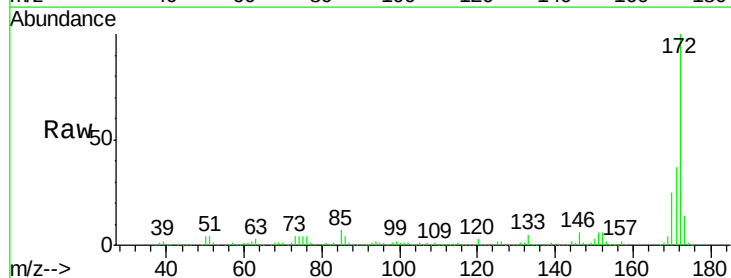
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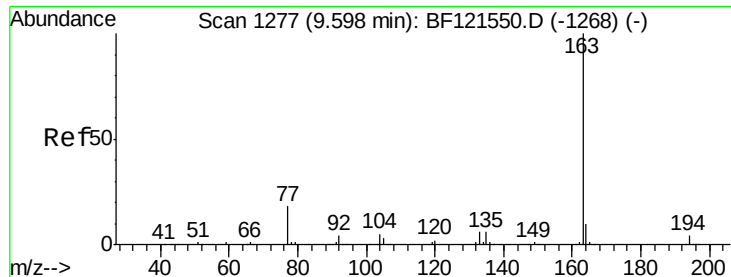
Tot Ion	Ratio	Lower	Upper
330	100		
332	96.1	76.9	115.3
141	27.3	22.4	33.6



#45
 2-Fluorobiphenyl
 Concen: 87.116 ng
 RT: 9.17 min Scan# 1204
 Delta R.T. -0.01 min
 Lab File: BF121675.D
 Acq: 23 Sep 2020 19:55

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.6	29.3	43.9
170	24.5	19.5	29.3

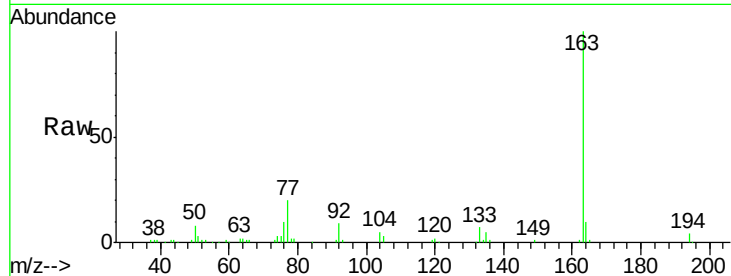




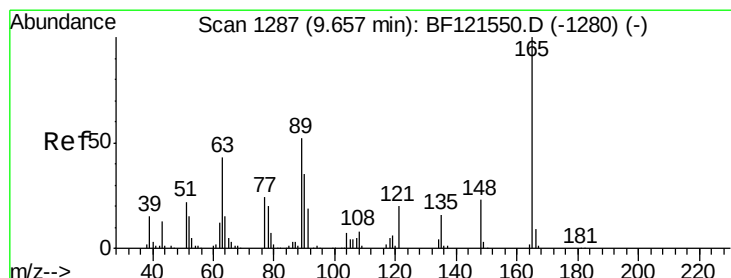
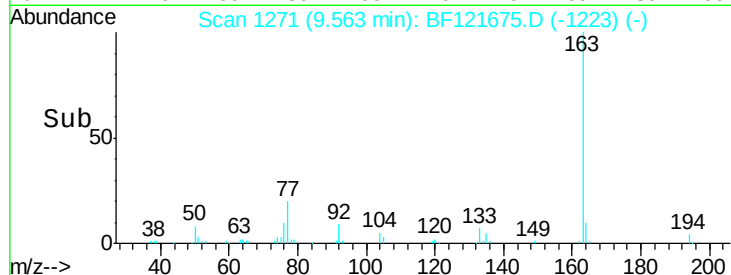
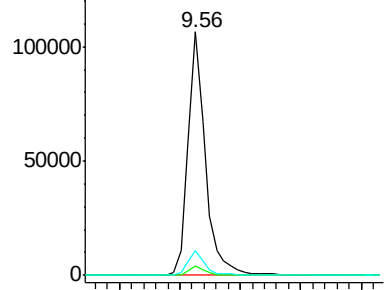
#50
Dimethylphthalate
Concen: 5.762 ng
RT: 9.56 min Scan# 1271
Delta R.T. -0.02 min
Lab File: BF121675.D
Acq: 23 Sep 2020 19:55

Instrument :
BNA_F
ClientSampleId :
MTB-SP

Tot Ion	Ratio	Lower	Upper
163	100		
194	3.9	3.3	4.9
164	10.2	8.0	12.0

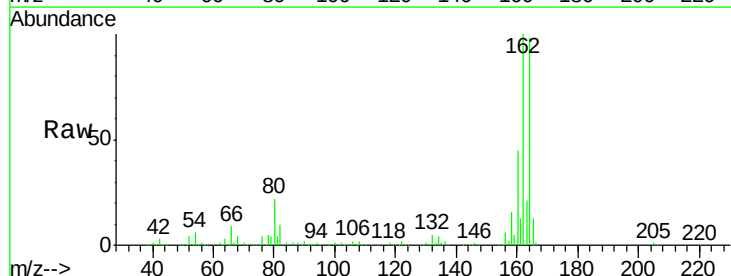


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

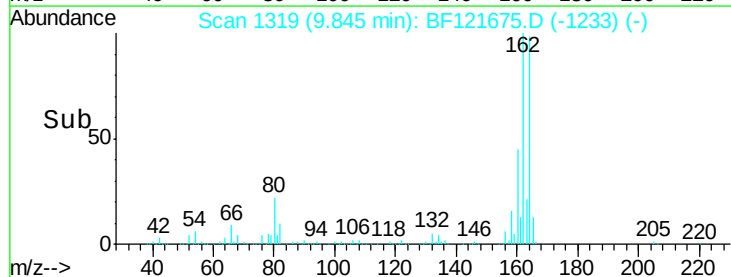
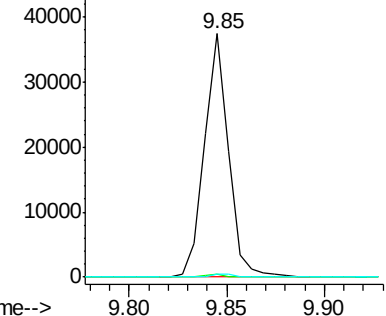


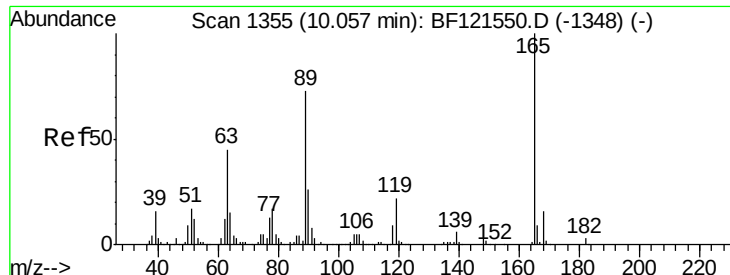
#51
2,6-Dinitrotoluene
Concen: 8.269 ng
RT: 9.85 min Scan# 1319
Delta R.T. 0.21 min
Lab File: BF121675.D
Acq: 23 Sep 2020 19:55

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.3	47.6	71.4#
89	1.4	46.0	69.0#



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





#57

2,4-Dinitrotoluene

Concen: 6.573 ng

RT: 9.85 min Scan# 1319

Delta R.T. -0.20 min

Lab File: BF121675.D

Acq: 23 Sep 2020 19:55

Instrument :

BNA_F

ClientSampleId :

MTB-SP

Tot Ion:165 Resp: 31971

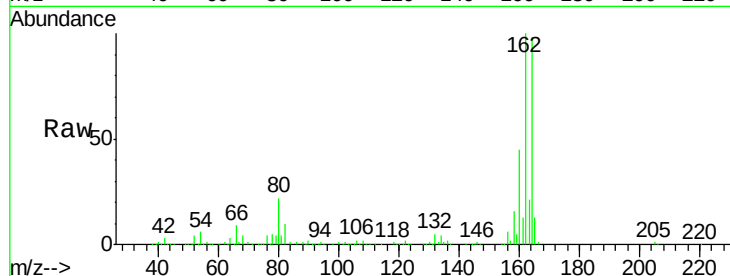
Ion Ratio Lower Upper

165 100

63 1.3 36.7 55.1#

89 1.4 57.7 86.5#

182 0.0 2.1 3.1#

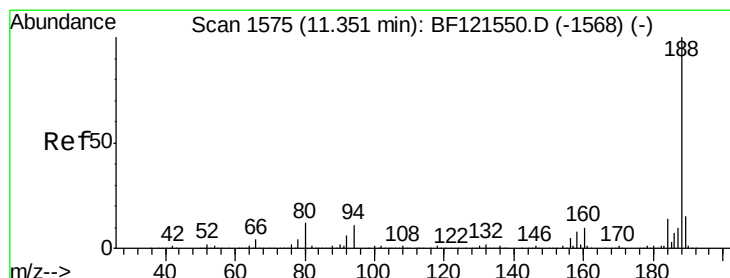
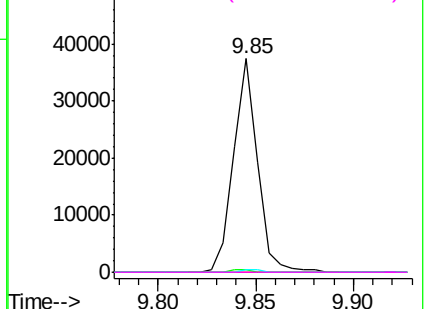
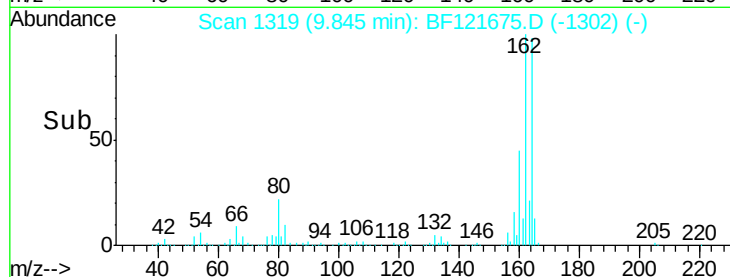


Abundance Ion 165.00 (164.70 to 165.70): E

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



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.33 min Scan# 1572

Delta R.T. -0.01 min

Lab File: BF121675.D

Acq: 23 Sep 2020 19:55

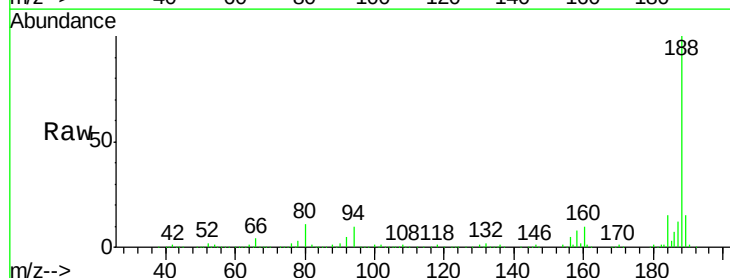
Tgt Ion:188 Resp: 500785

Ion Ratio Lower Upper

188 100

94 9.6 8.4 12.6

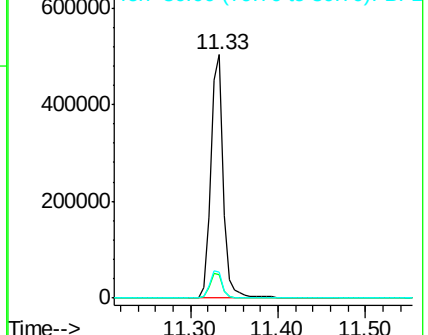
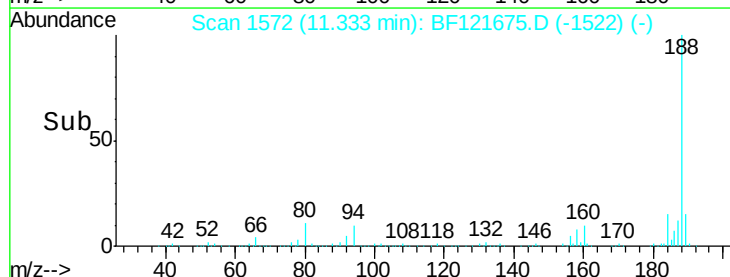
80 10.6 9.0 13.4

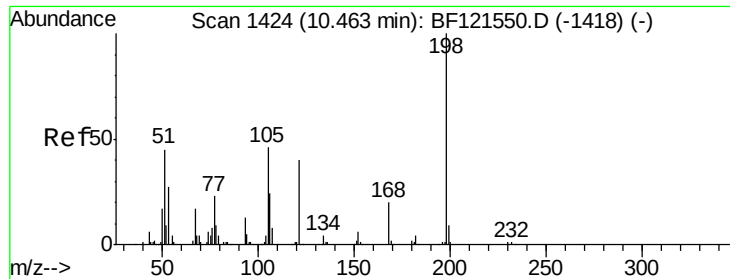


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1





#65

4,6-Dinitro-2-methylphenol

Concen: 7.044 ng

RT: 10.63 min Scan# 1453

Delta R.T. 0.18 min

Lab File: BF121675.D

Acq: 23 Sep 2020 19:55

Instrument :

BNA_F

ClientSampleId :

MTB-SP

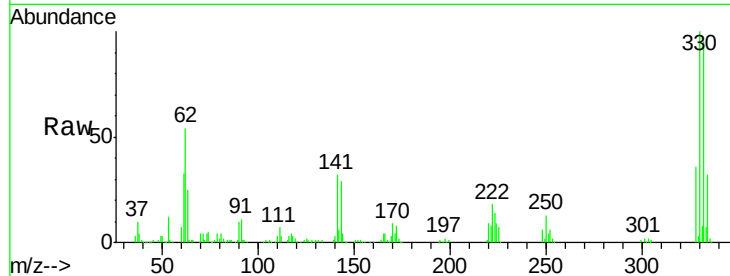
Tot Ion:198 Resp: 688

Ion Ratio Lower Upper

198 100

51 170.1 20.3 60.3#

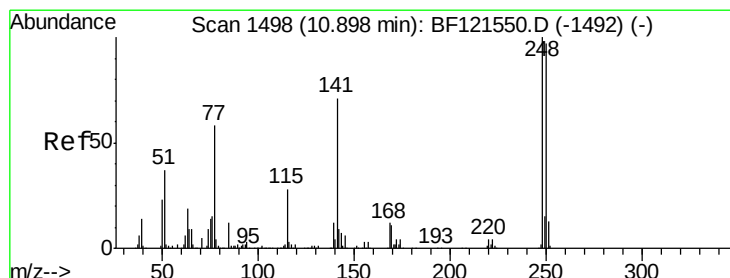
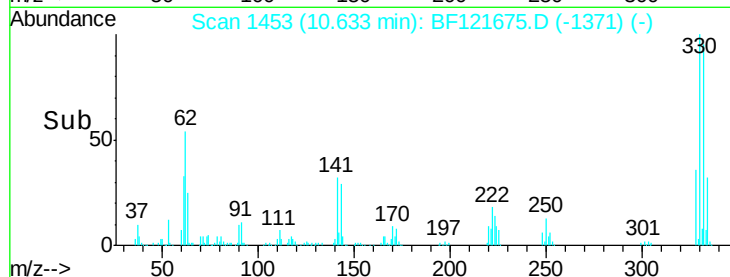
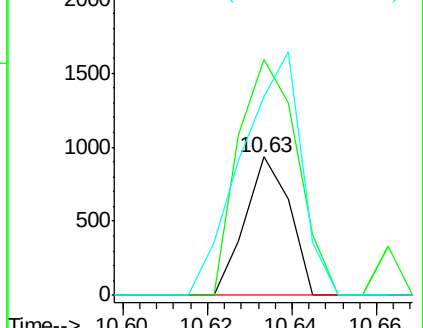
105 143.5 20.2 60.2#



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



#67

4-Bromophenyl-phenylether

Concen: 4.385 ng

RT: 10.64 min Scan# 1454

Delta R.T. -0.24 min

Lab File: BF121675.D

Acq: 23 Sep 2020 19:55

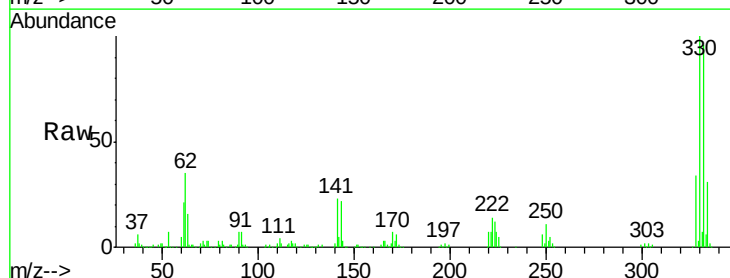
Tgt Ion:248 Resp: 25003

Ion Ratio Lower Upper

248 100

250 195.2 79.4 119.0#

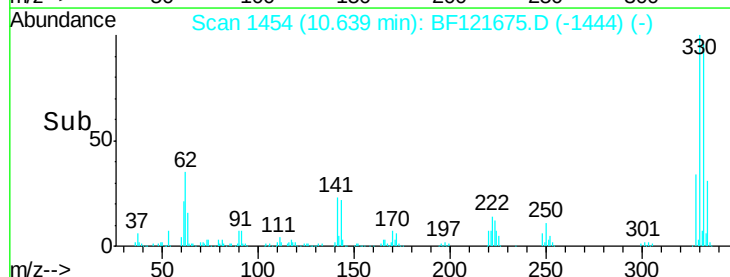
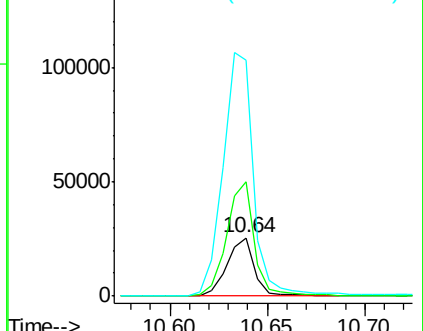
141 404.2 52.2 78.4#

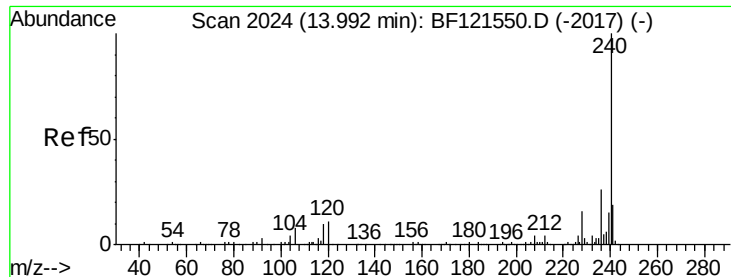


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.97 min Scan# 2020

Delta R.T. -0.01 min

Lab File: BF121675.D

Acq: 23 Sep 2020 19:55

Instrument :

BNA_F

ClientSampleId :

MTB-SP

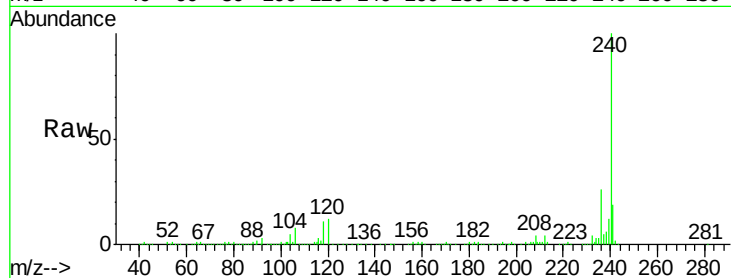
Tot Ion:240 Resp: 491407

Ion Ratio Lower Upper

240 100

120 11.7 9.2 13.8

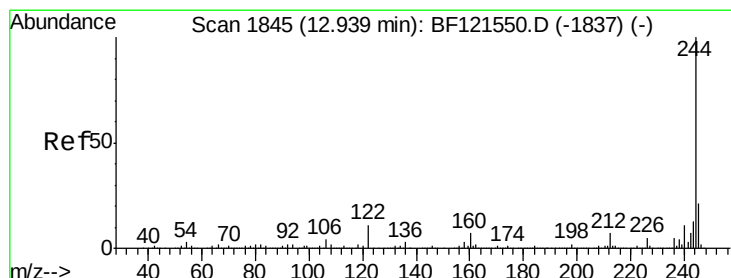
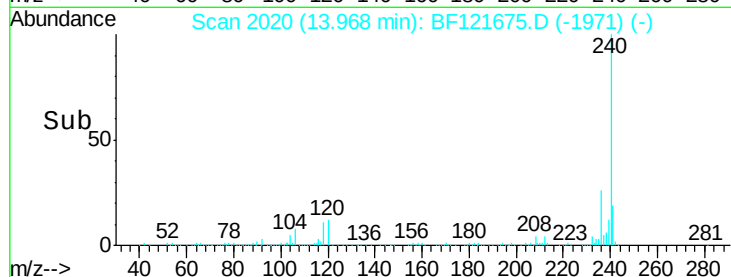
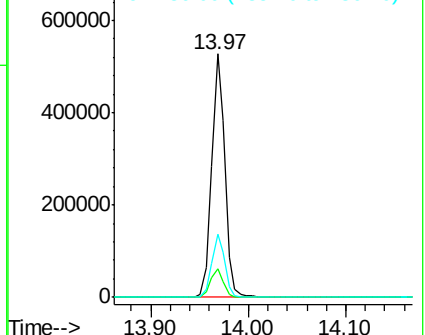
236 25.9 20.4 30.6



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



#79

Terphenyl-d14

Concen: 74.803 ng

RT: 12.92 min Scan# 1842

Delta R.T. -0.00 min

Lab File: BF121675.D

Acq: 23 Sep 2020 19:55

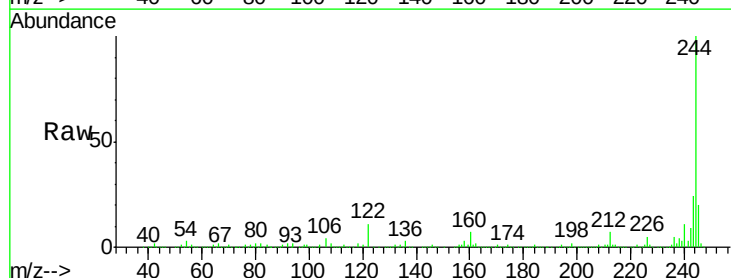
Tgt Ion:244 Resp: 1814446

Ion Ratio Lower Upper

244 100

212 7.2 5.5 8.3

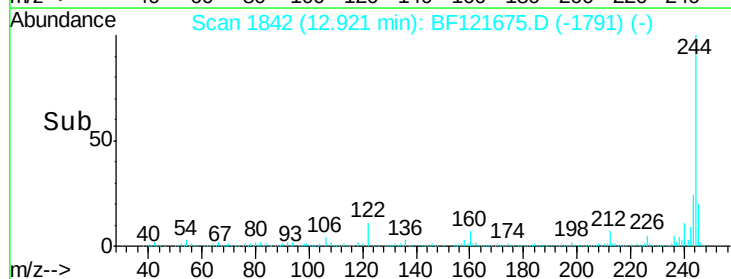
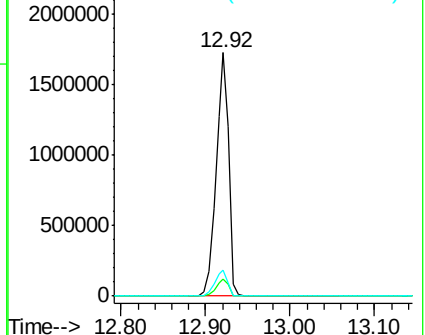
122 10.9 7.4 11.0

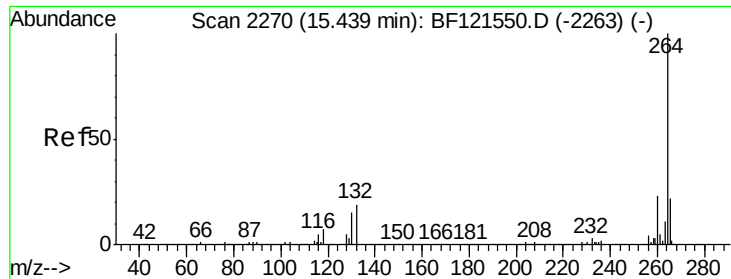


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

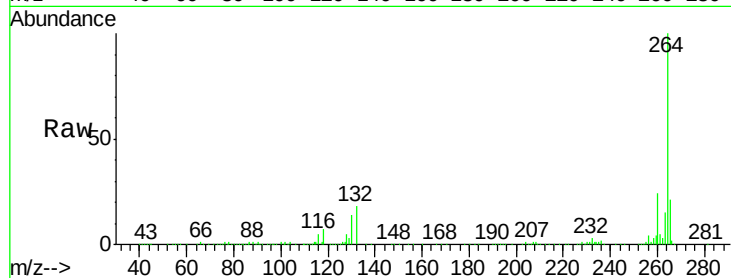




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.42 min Scan# 2267
Delta R.T. -0.01 min
Lab File: BF121675.D
Acq: 23 Sep 2020 19:55

Instrument :
BNA_F
ClientSampleId :
MTB-SP

Tot Ion:264 Resp: 462109
Ion Ratio Lower Upper
264 100
260 23.7 18.8 28.2
265 20.9 17.3 25.9



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

