

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF073020\
 Data File : BF121132.D
 Acq On : 30 Jul 2020 17:10
 Operator : JU/CG
 Sample : L3489-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CS-1

Quant Time: Jul 30 18:08:34 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071620.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 29 14:55:43 2020
 Response via : Initial Calibration

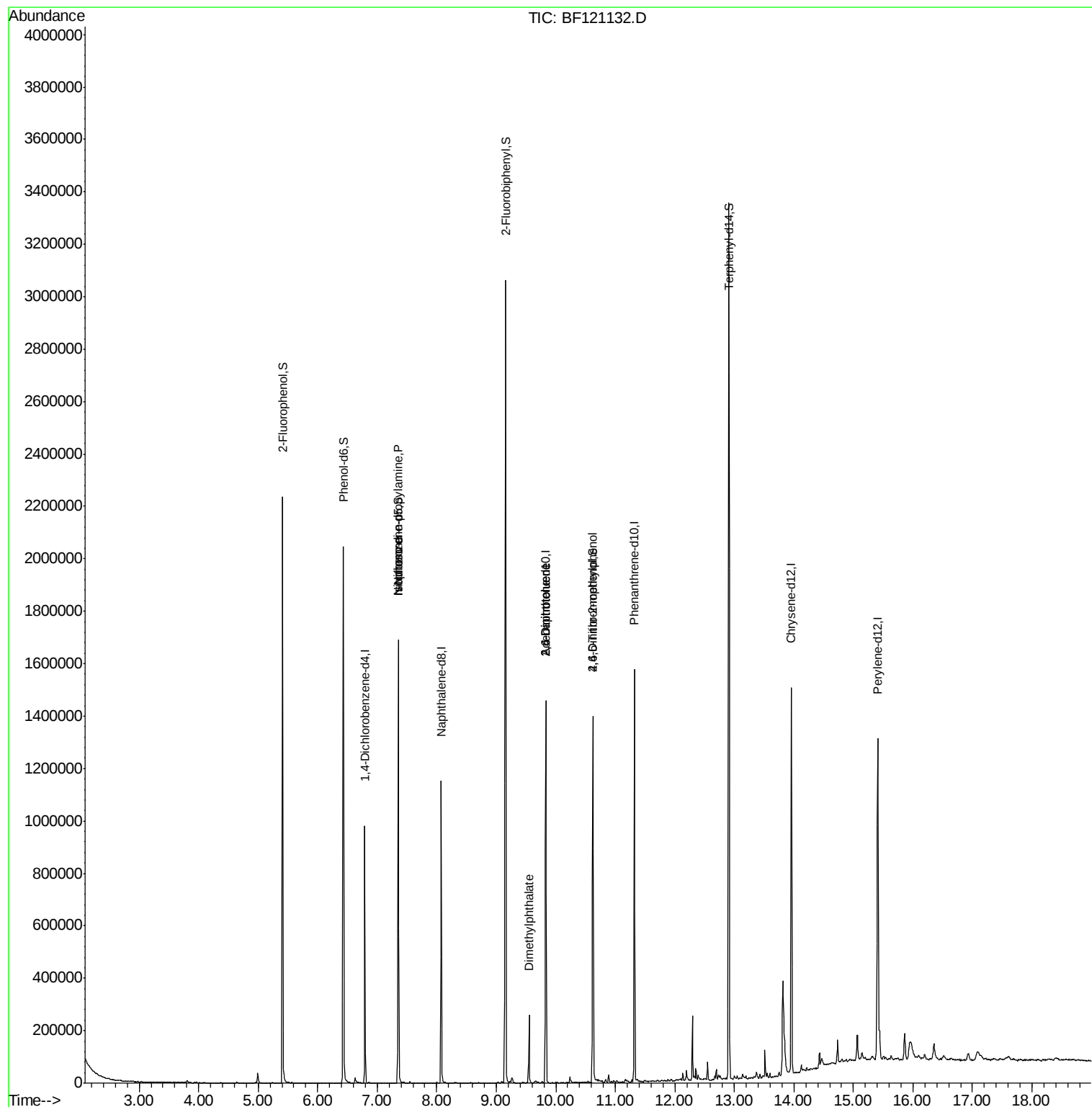
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	140167	20.00	ng	-0.01
21) Naphthalene-d8	8.07	136	540158	20.00	ng	-0.01
39) Acenaphthene-d10	9.83	164	283935	20.00	ng	0.00
64) Phenanthrene-d10	11.32	188	564951	20.00	ng	0.00
76) Chrysene-d12	13.96	240	532339	20.00	ng	0.00
86) Perylene-d12	15.41	264	552405	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.41	112	651515	76.20	ng	0.00
7) Phenol-d6	6.43	99	815821	73.87	ng	-0.01
23) Nitrobenzene-d5	7.36	82	528782	56.64	ng	-0.02
42) 2,4,6-Tribromophenol	10.62	330	178085	57.30	ng	-0.01
45) 2-Fluorobiphenyl	9.16	172	1014743	53.36	ng	0.00
79) Terphenyl-d14	12.91	244	1181569	48.25	ng	0.00
Target Compounds						
9) Benzaldehyde	6.43	77	1112	Below Cal	Qvalue	# 1
19) n-Nitroso-di-n-propylamine	7.36	70	68211	10.861 ng	#	78
25) Isophorone	7.36	82	524701	28.163 ng	#	62
50) Dimethylphthalate	9.55	163	121133	5.913 ng		98
51) 2,6-Dinitrotoluene	9.83	165	36605	8.318 ng	#	27
57) 2,4-Dinitrotoluene	9.83	165	36605	6.334 ng	#	29
65) 4,6-Dinitro-2-methylphenol	10.62	198	157	3.887 ng	#	1

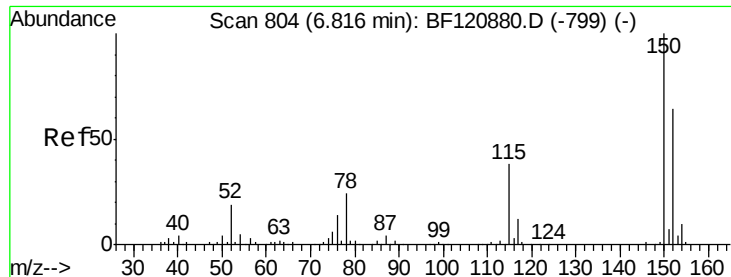
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.79 min Scan# 800

Delta R.T. -0.01 min

Lab File: BF121132.D

Acq: 30 Jul 2020 17:10

Instrument :

BNA_F

ClientSampleId :

CS-1

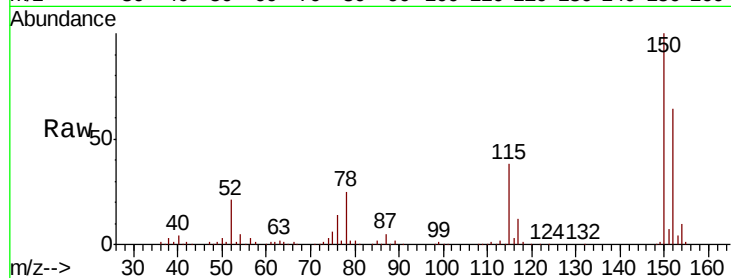
Tot Ion:152 Resp: 140167

Ion Ratio Lower Upper

152 100

150 156.7 125.6 188.4

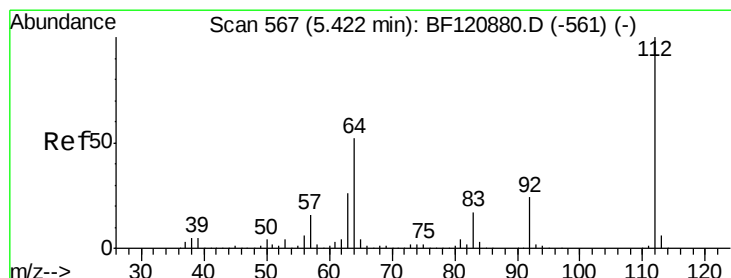
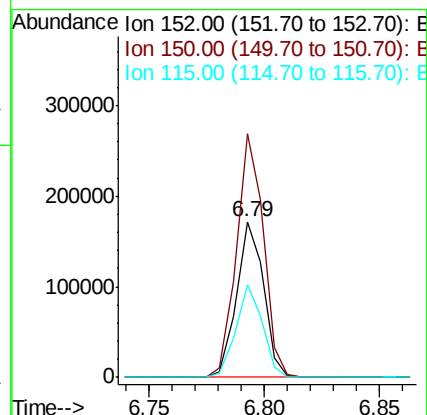
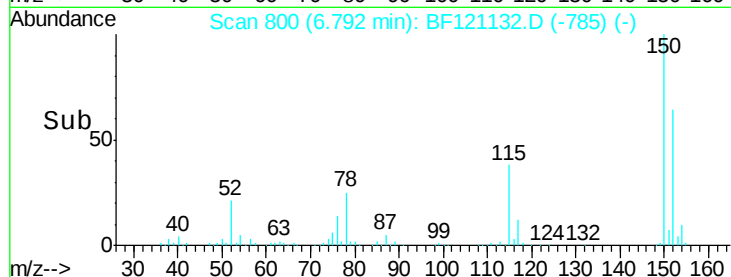
115 59.7 46.2 69.2



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: 76.199 ng

RT: 5.41 min Scan# 565

Delta R.T. -0.01 min

Lab File: BF121132.D

Acq: 30 Jul 2020 17:10

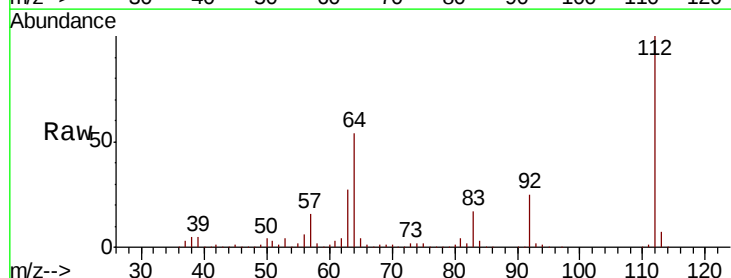
Tgt Ion:112 Resp: 651515

Ion Ratio Lower Upper

112 100

64 53.6 43.9 65.9

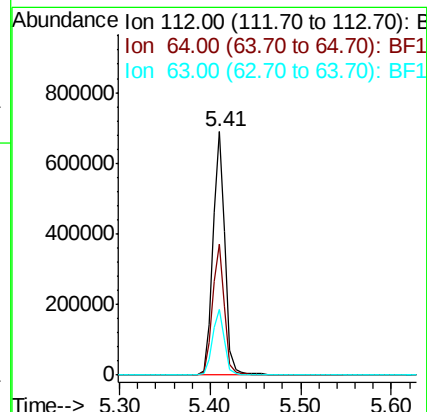
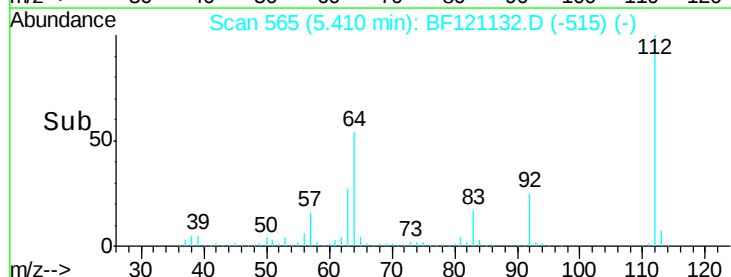
63 27.1 22.7 34.1

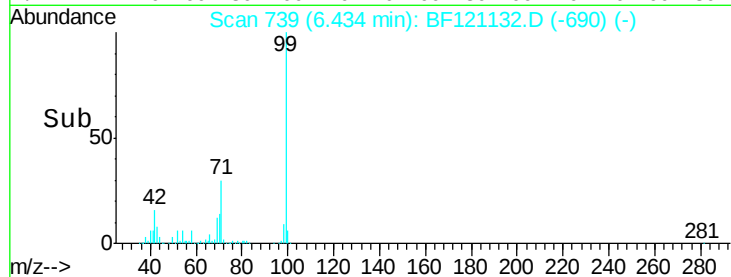
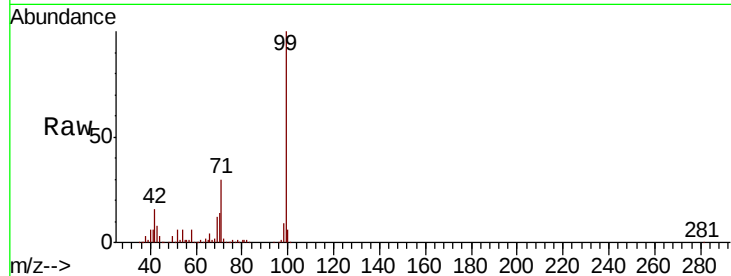


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 73.866 ng

RT: 6.43 min Scan# 739

Delta R.T. -0.01 min

Lab File: BF121132.D

Acq: 30 Jul 2020 17:10

Instrument :

BNA_F

ClientSampleId :

CS-1

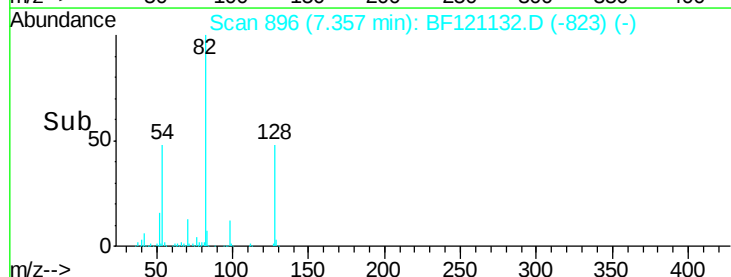
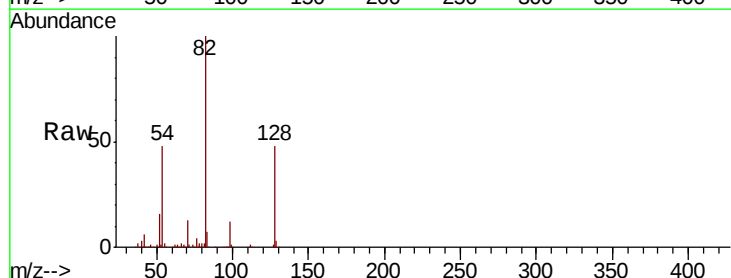
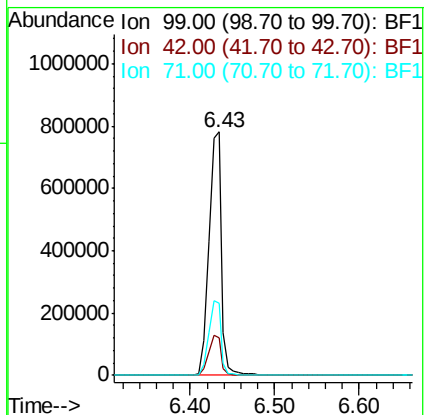
Tot Ion: 99 Resp: 815821

Ion Ratio Lower Upper

99 100

42 15.6 13.5 20.3

71 29.9 25.0 37.4



#19

n-Nitroso-di-n-propylamine

Concen: 10.861 ng

RT: 7.36 min Scan# 896

Delta R.T. 0.13 min

Lab File: BF121132.D

Acq: 30 Jul 2020 17:10

Tgt Ion: 70 Resp: 68211

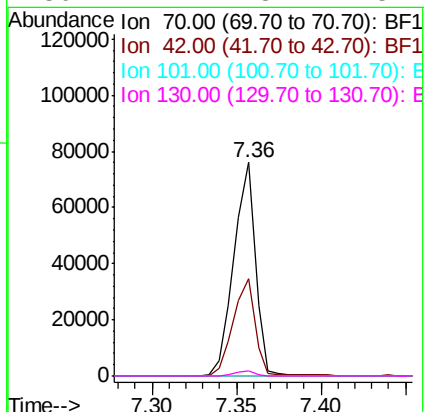
Ion Ratio Lower Upper

70 100

42 45.4 43.3 64.9

101 0.0 8.4 12.6#

130 2.2 18.7 28.1#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.07 min Scan# 1018

Delta R.T. -0.01 min

Lab File: BF121132.D

Acq: 30 Jul 2020 17:10

Instrument :

BNA_F

ClientSampleId :

CS-1

Tot Ion:136 Resp: 540158

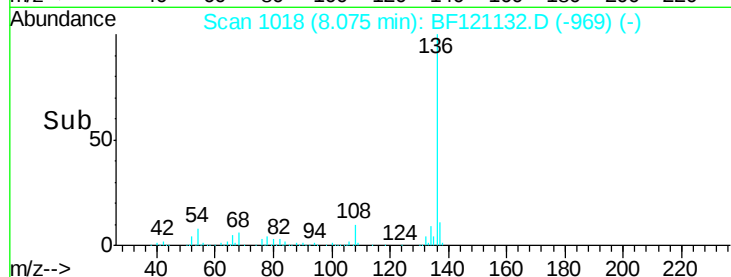
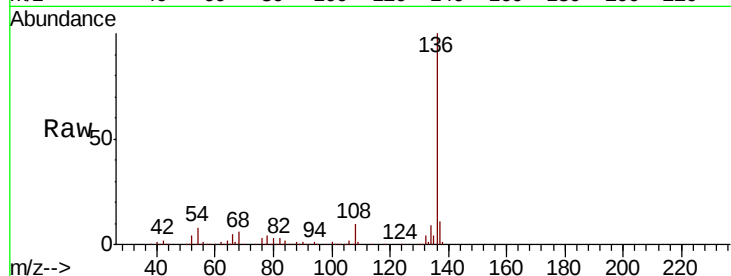
Ion Ratio Lower Upper

136 100

137 11.4 9.0 13.4

54 7.7 6.1 9.1

68 6.2 5.0 7.6

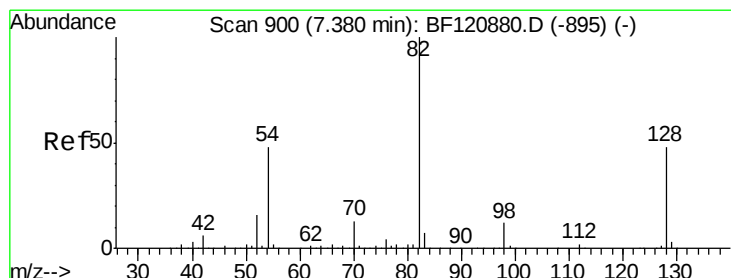
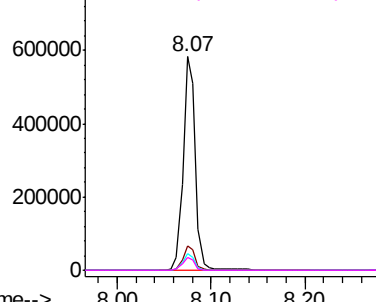


Abundance Ion 136.00 (135.70 to 136.70): E

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: 56.644 ng

RT: 7.36 min Scan# 896

Delta R.T. -0.02 min

Lab File: BF121132.D

Acq: 30 Jul 2020 17:10

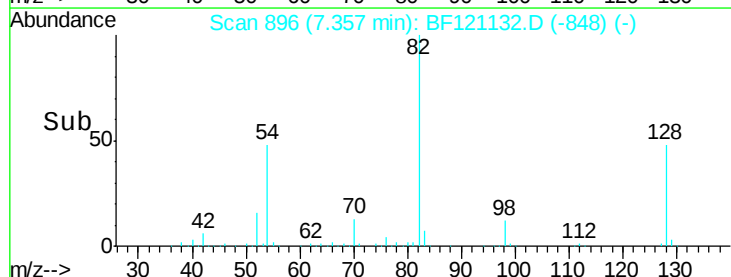
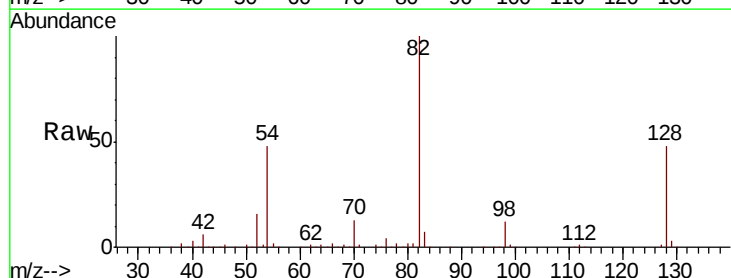
Tgt Ion: 82 Resp: 528782

Ion Ratio Lower Upper

82 100

128 47.9 39.2 58.8

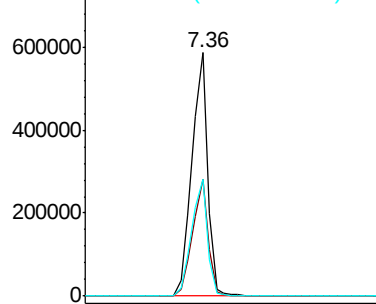
54 47.9 37.8 56.8

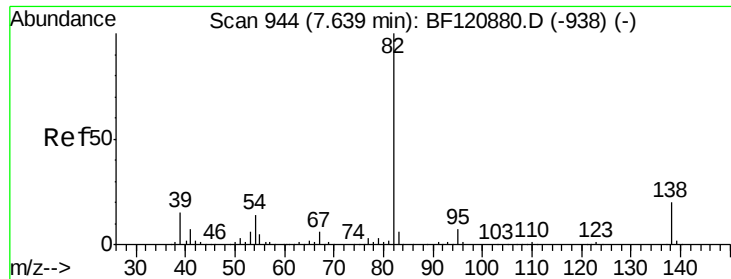


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 28.163 ng

RT: 7.36 min Scan# 896

Delta R.T. -0.28 min

Lab File: BF121132.D

Acq: 30 Jul 2020 17:10

Instrument :

BNA_F

ClientSampleId :

CS-1

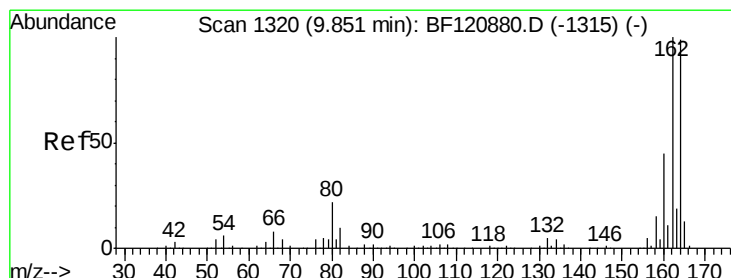
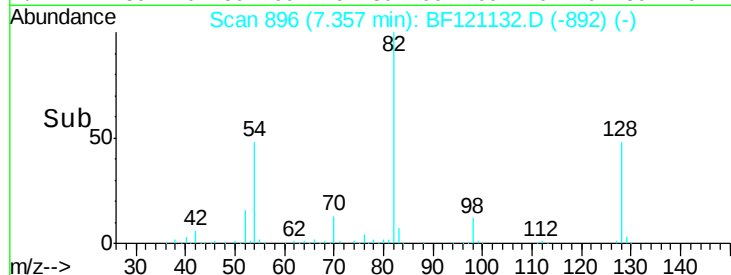
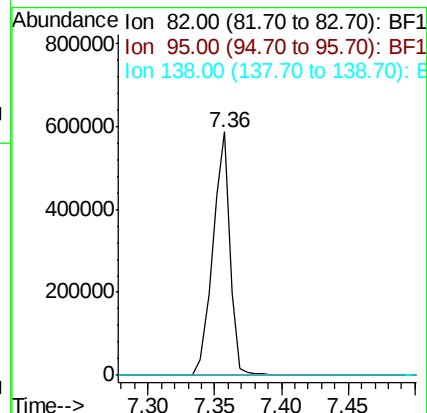
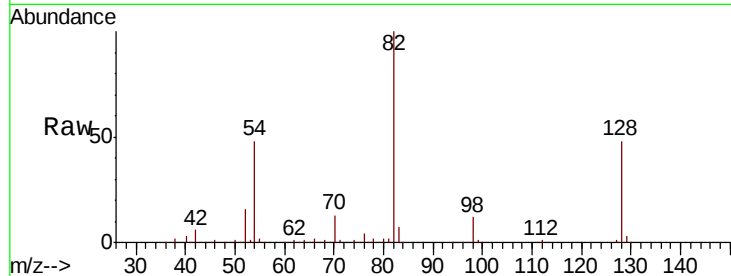
Tot Ion: 82 Resp: 524701

Ion Ratio Lower Upper

82 100

95 0.0 5.5 8.3#

138 0.0 16.2 24.2#



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.83 min Scan# 1317

Delta R.T. -0.01 min

Lab File: BF121132.D

Acq: 30 Jul 2020 17:10

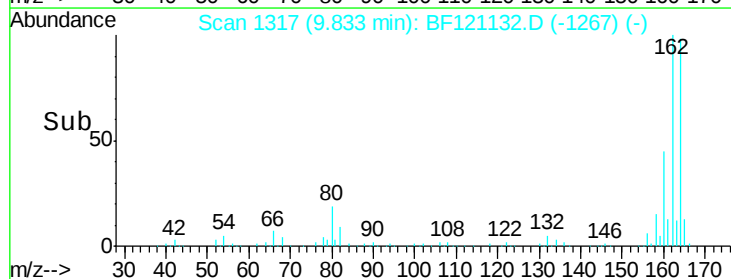
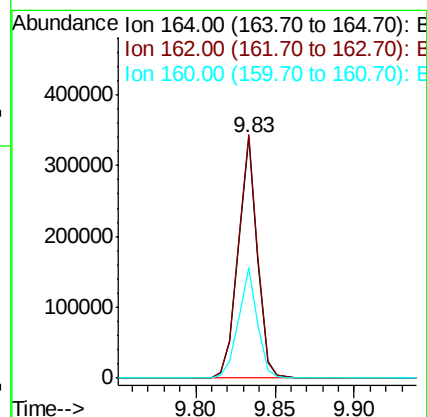
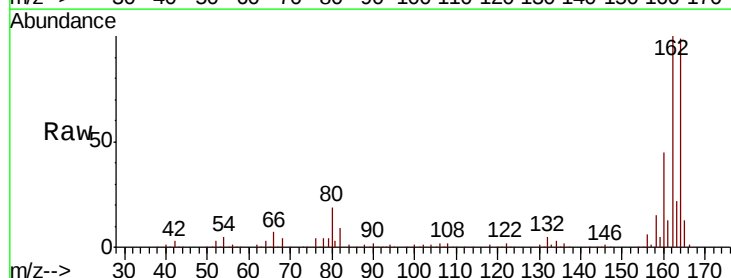
Tgt Ion: 164 Resp: 283935

Ion Ratio Lower Upper

164 100

162 101.1 82.2 123.2

160 45.9 37.2 55.8

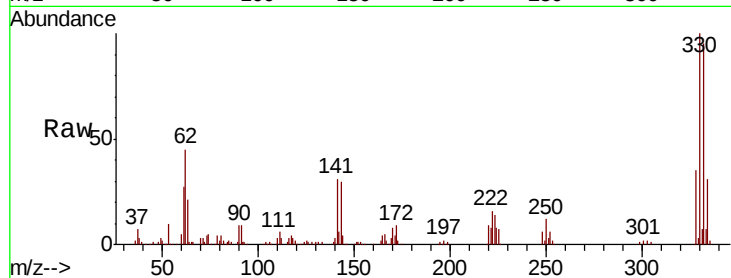




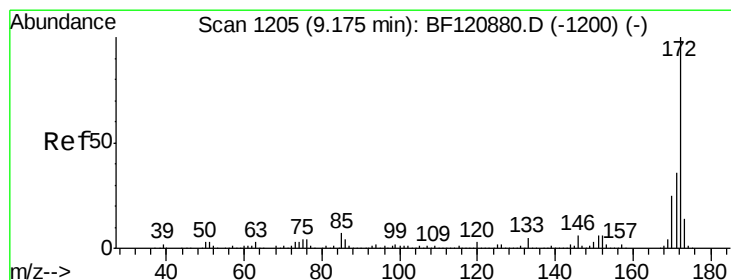
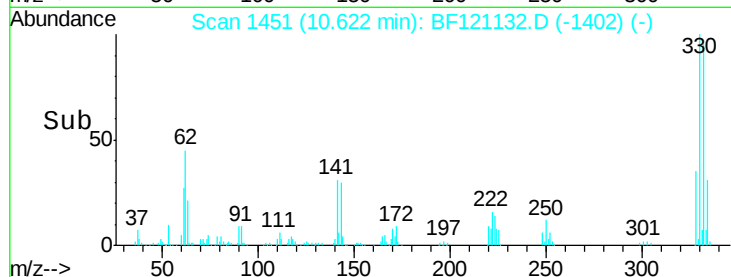
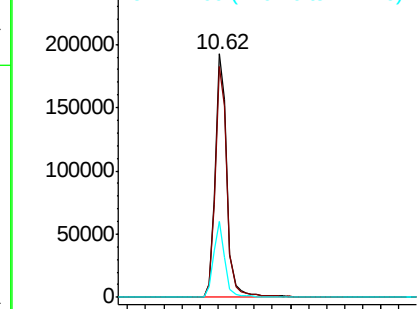
#42
 2,4,6-Tribromophenol
 Concen: 57.300 ng
 RT: 10.62 min Scan# 1451
 Delta R.T. -0.01 min
 Lab File: BF121132.D
 Acq: 30 Jul 2020 17:10

Instrument :
 BNA_F
 ClientSampled :
 CS-1

Tot Ion:330 Resp: 178085
 Ion Ratio Lower Upper
 330 100
 332 95.6 76.1 114.1
 141 30.2 24.1 36.1

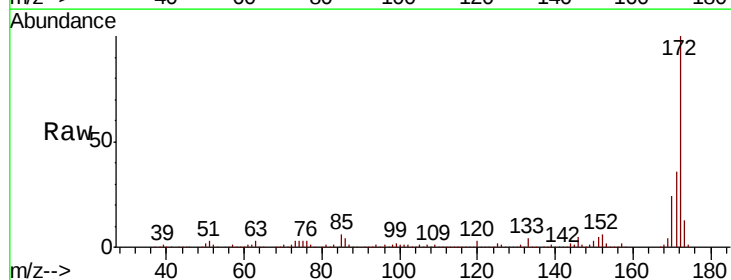


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

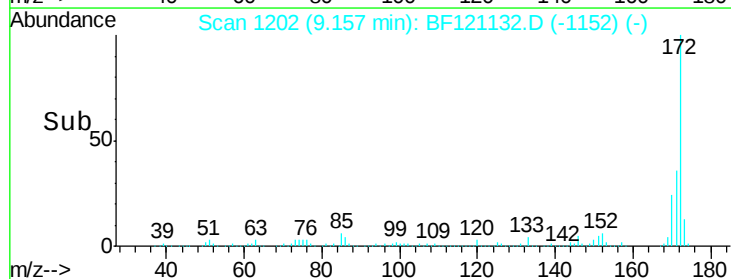
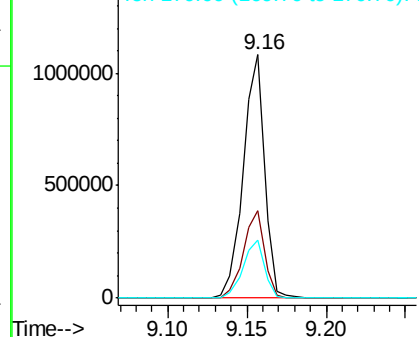


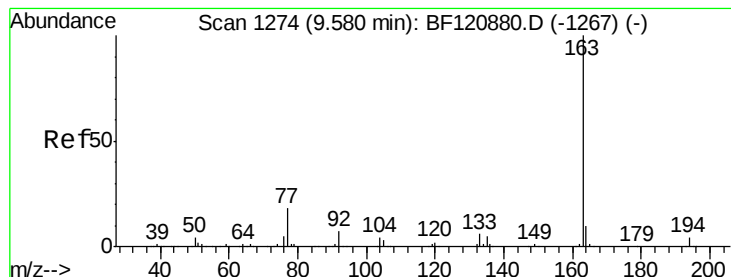
#45
 2-Fluorobiphenyl
 Concen: 53.359 ng
 RT: 9.16 min Scan# 1202
 Delta R.T. -0.01 min
 Lab File: BF121132.D
 Acq: 30 Jul 2020 17:10

Tgt Ion:172 Resp: 1014743
 Ion Ratio Lower Upper
 172 100
 171 35.9 29.0 43.4
 170 24.1 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

Dimethylphthalate

Concen: 5.913 ng

RT: 9.55 min Scan# 1269

Delta R.T. -0.02 min

Lab File: BF121132.D

Acq: 30 Jul 2020 17:10

Instrument :

BNA_F

ClientSampleId :

CS-1

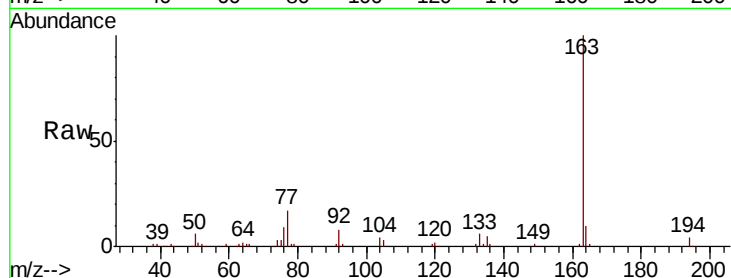
Tot Ion:163 Resp: 121133

Ion Ratio Lower Upper

163 100

194 3.9 3.0 4.4

164 9.7 8.4 12.6

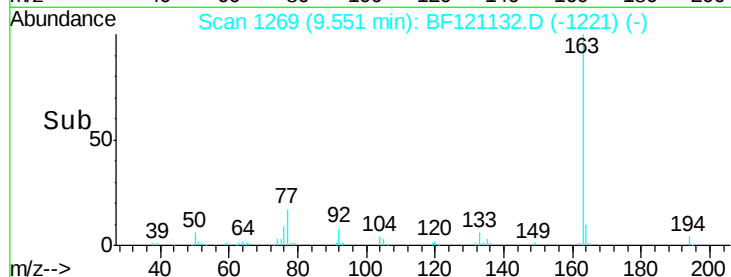


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

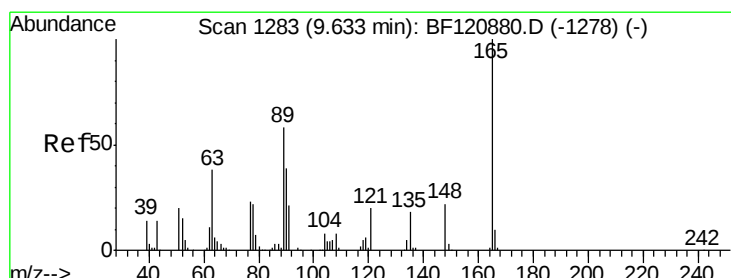
Ion 164.00 (163.70 to 164.70): E

Time-->



Abundance

Time-->



#51

2,6-Dinitrotoluene

Concen: 8.318 ng

RT: 9.83 min Scan# 1317

Delta R.T. 0.21 min

Lab File: BF121132.D

Acq: 30 Jul 2020 17:10

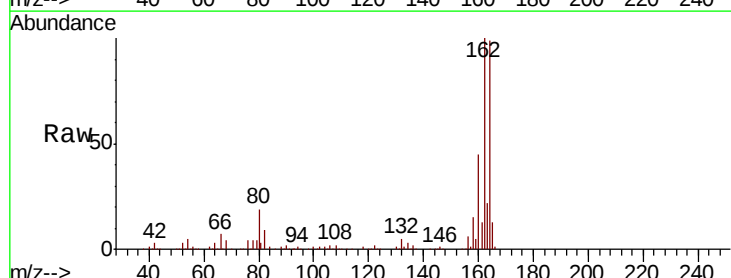
Tgt Ion:165 Resp: 36605

Ion Ratio Lower Upper

165 100

63 1.0 41.1 61.7#

89 1.0 43.5 65.3#

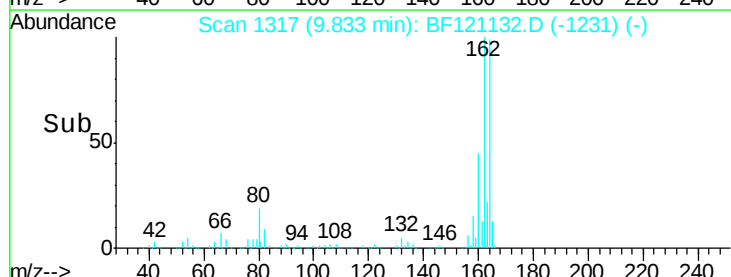


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

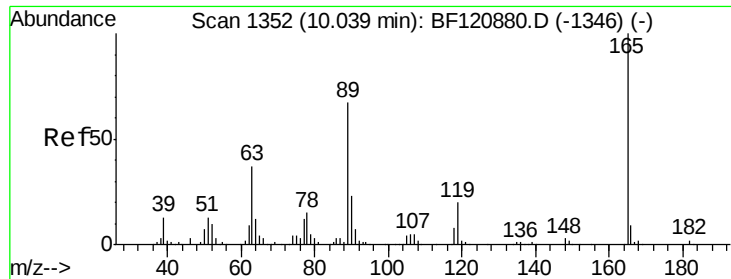
Ion 89.00 (88.70 to 89.70): BF1

Time-->



Abundance

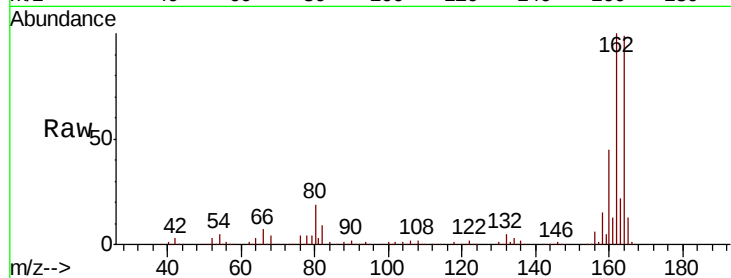
Time-->



#57
 2,4-Dinitrotoluene
 Concen: 6.334 ng
 RT: 9.83 min Scan# 1317
 Delta R.T. -0.20 min
 Lab File: BF121132.D
 Acq: 30 Jul 2020 17:10

Instrument :
 BNA_F
 ClientSampleId :
 CS-1

Tot Ion:165	Resp:	36605
Ion Ratio	Lower	Upper
165	100	
63	1.0	29.8 44.8#
89	1.0	50.3 75.5#
182	0.0	2.1 3.1#

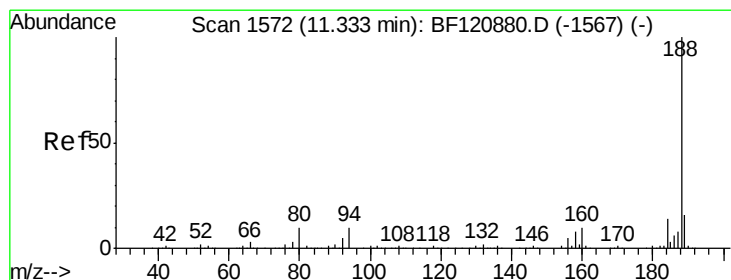
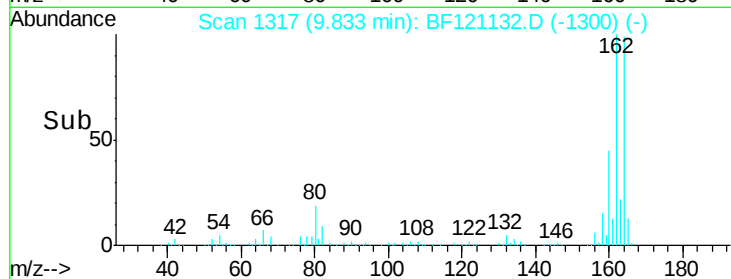
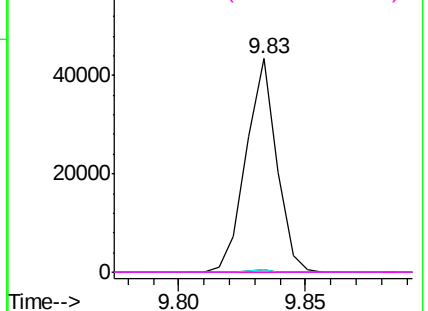


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

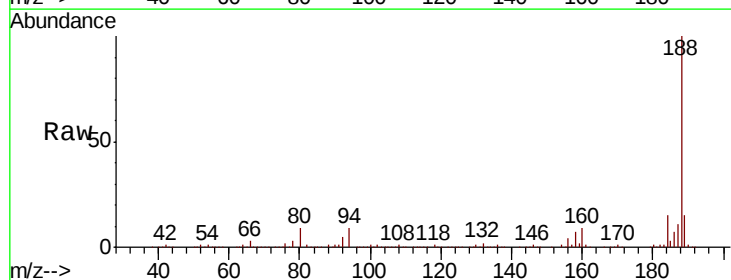
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.32 min Scan# 1570
 Delta R.T. -0.00 min
 Lab File: BF121132.D
 Acq: 30 Jul 2020 17:10

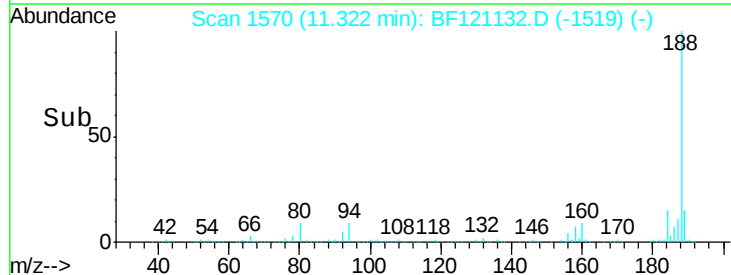
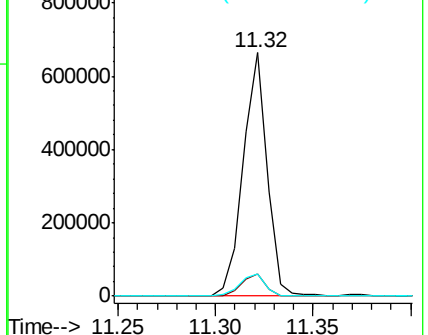
Tgt Ion:188	Resp:	564951
Ion Ratio	Lower	Upper
188	100	
94	9.1	8.0 12.0
80	9.2	8.3 12.5

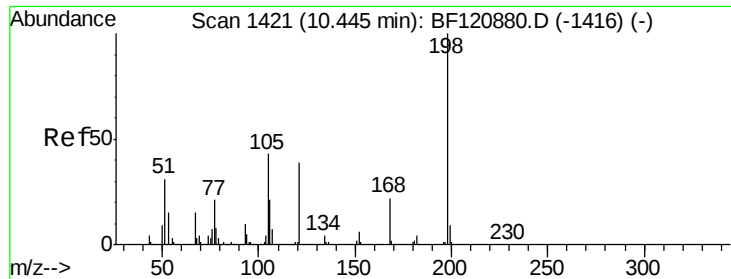


Abundance Ion 188.00 (187.70 to 188.70): E

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: 3.887 ng

RT: 10.62 min Scan# 1451

Delta R.T. 0.18 min

Lab File: BF121132.D

Acq: 30 Jul 2020 17:10

Instrument :

BNA_F

ClientSampled :

CS-1

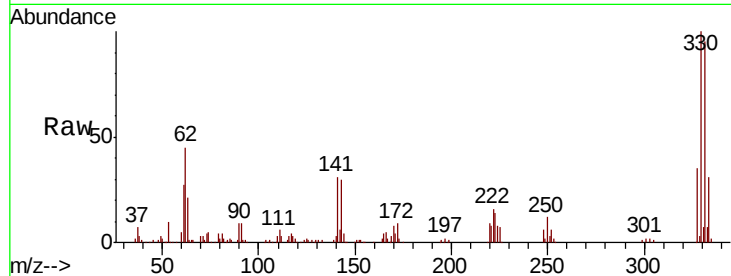
Tot Ion:198 Resp: 157

Ion Ratio Lower Upper

198 100

51 120.2 23.4 63.4#

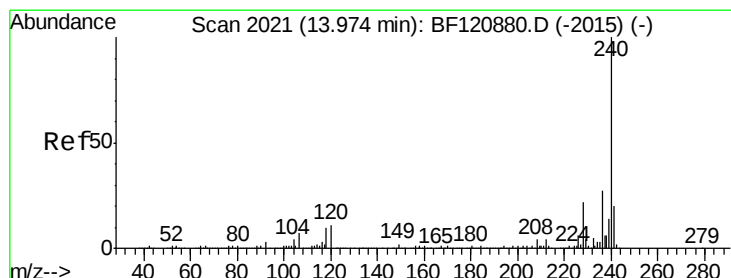
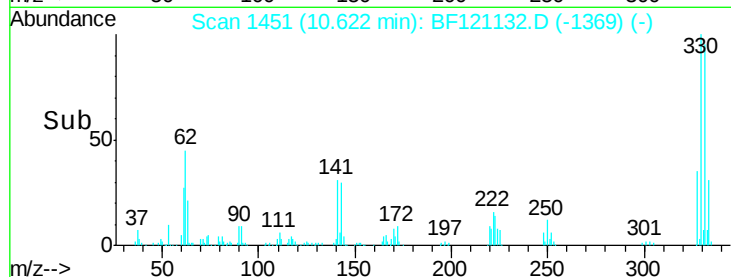
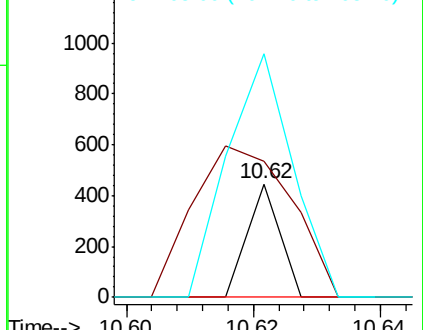
105 214.8 23.7 63.7#



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



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.96 min Scan# 2018

Delta R.T. -0.01 min

Lab File: BF121132.D

Acq: 30 Jul 2020 17:10

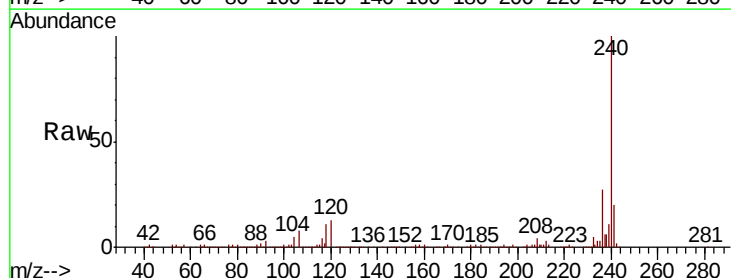
Tgt Ion:240 Resp: 532339

Ion Ratio Lower Upper

240 100

120 12.7 9.3 13.9

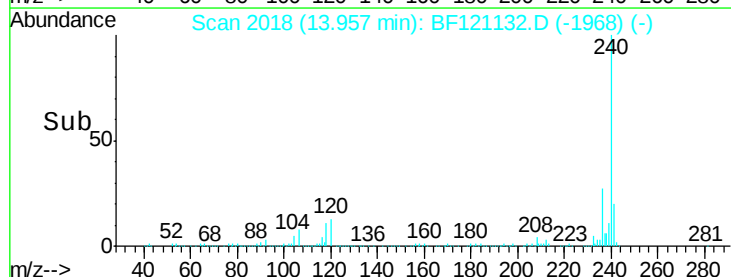
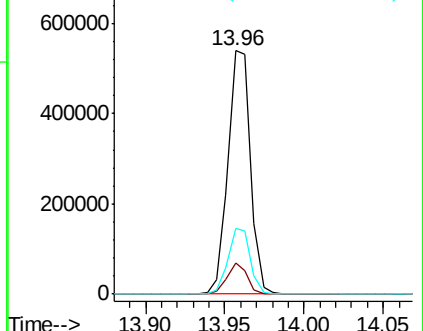
236 27.0 21.1 31.7

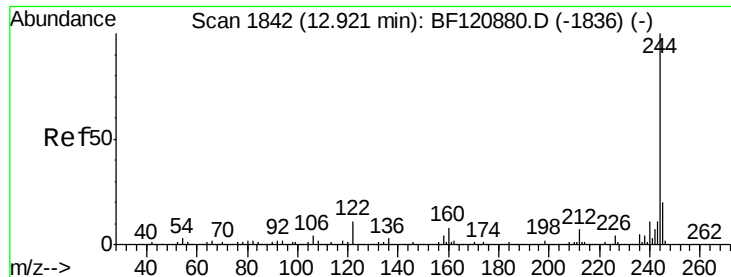


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



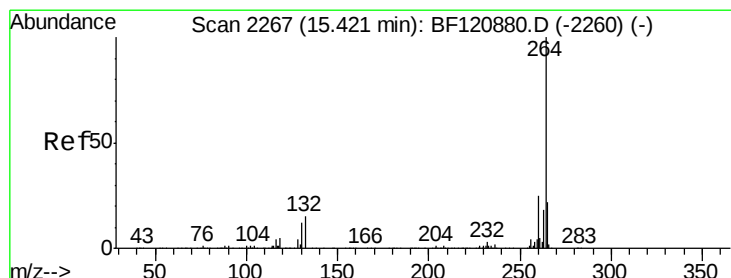
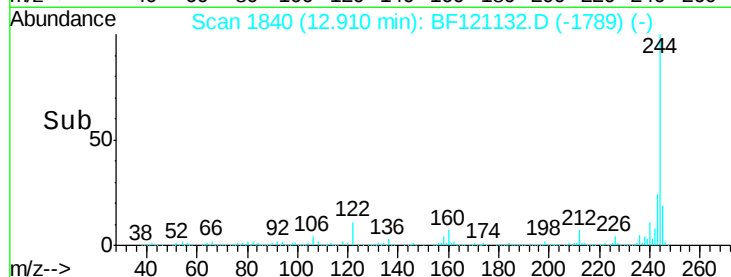
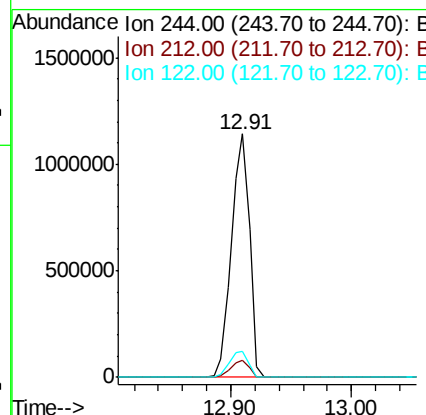
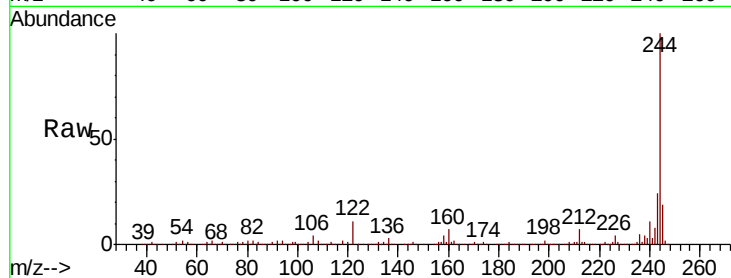


#79
 Terphenyl-d14
 Concen: 48.249 ng
 RT: 12.91 min Scan# 1840
 Delta R.T. -0.00 min
 Lab File: BF121132.D
 Acq: 30 Jul 2020 17:10

Instrument :
 BNA_F
 ClientSampleId :
 CS-1

Tot Ion:244 Resp: 1181569

Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.7	8.5
122	10.9	8.3	12.5



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.41 min Scan# 2265
 Delta R.T. 0.01 min
 Lab File: BF121132.D
 Acq: 30 Jul 2020 17:10

Tgt Ion:264 Resp: 552405

Ion	Ratio	Lower	Upper
264	100		
260	24.5	19.9	29.9
265	21.5	17.8	26.8

