

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070720\
 Data File : BF120780.D
 Acq On : 7 Jul 2020 11:49
 Operator : JU/CG
 Sample : L3172-05
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP3-SS

Quant Time: Jul 07 14:27:17 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF070220.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 02 18:51:52 2020
 Response via : Initial Calibration

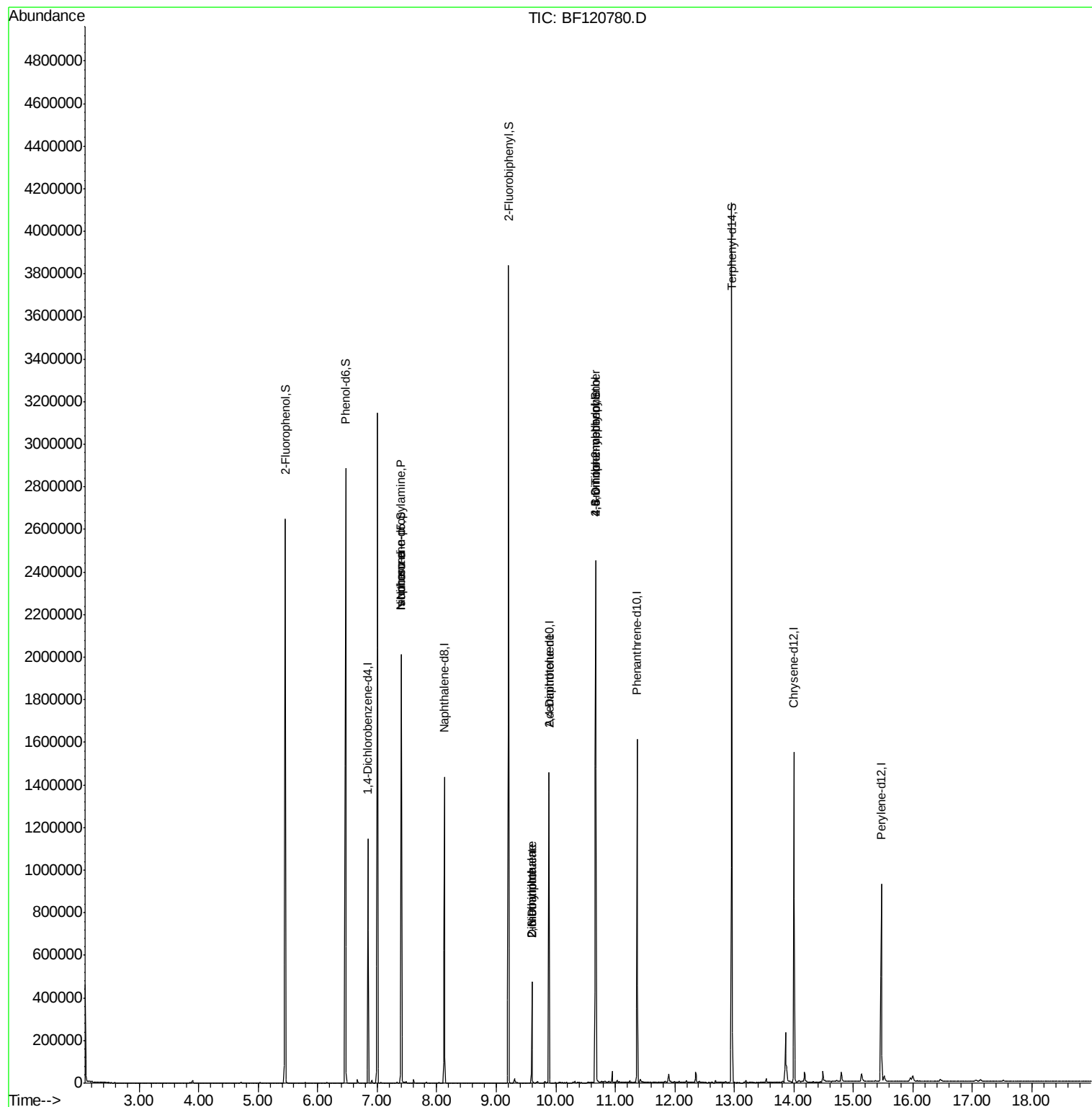
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	140309	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	542410	20.00	ng	0.00
39) Acenaphthene-d10	9.89	164	281012	20.00	ng	0.00
64) Phenanthrene-d10	11.37	188	529519	20.00	ng	0.00
76) Chrysene-d12	14.00	240	446091	20.00	ng	0.00
86) Perylene-d12	15.47	264	402322	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	788634	86.76	ng	0.00
7) Phenol-d6	6.47	99	991562	85.42	ng	0.00
23) Nitrobenzene-d5	7.40	82	652547	69.70	ng	-0.01
42) 2,4,6-Tribromophenol	10.67	330	262106	92.84	ng	0.00
45) 2-Fluorobiphenyl	9.21	172	1235955	66.54	ng	0.00
79) Terphenyl-d14	12.96	244	1495826	65.65	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.40	70	89657	12.828	ng	# 79
25) Isophorone	7.40	82	652444	32.316	ng	# 64
48) 2-Nitroaniline	9.60	65	1738	2.922	ng	# 1
50) Dimethylphthalate	9.60	163	142028	6.928	ng	# 98
51) 2,6-Dinitrotoluene	9.60	165	1451	2.617	ng	# 1
57) 2,4-Dinitrotoluene	9.89	165	36672	9.838	ng	# 15
65) 4,6-Dinitro-2-methylphenol	10.67	198	671	7.265	ng	# 1
67) 4-Bromophenyl-phenylether	10.67	248	16250	2.646	ng	# 1

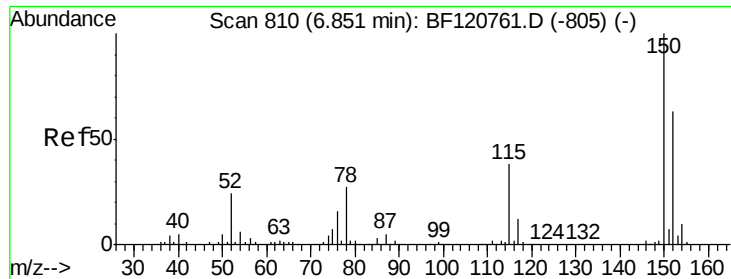
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Jul 02 18:51:52 2020
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.85 min Scan# 809

Delta R.T. -0.01 min

Lab File: BF120780.D

Acq: 7 Jul 2020 11:49

Instrument :

BNA_F

ClientSampleId :

TP3-SS

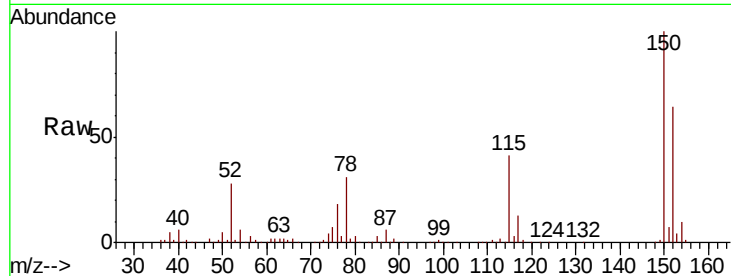
Tot Ion:152 Resp: 140309

Ion Ratio Lower Upper

152 100

150 157.2 126.1 189.1

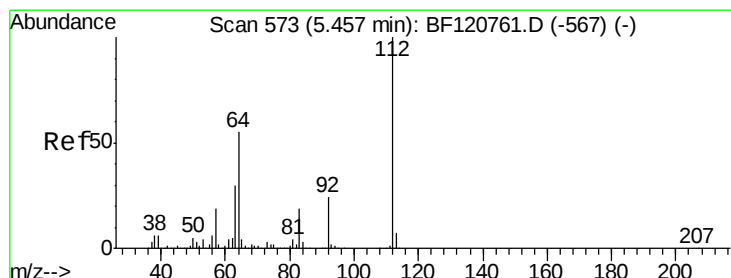
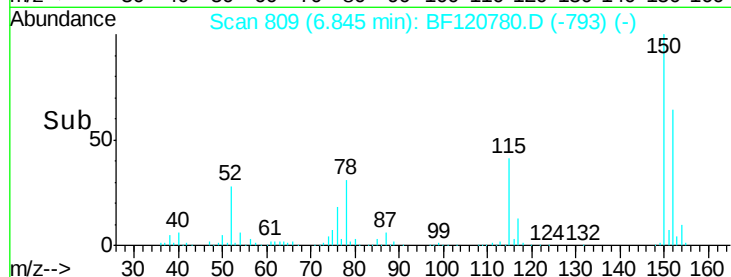
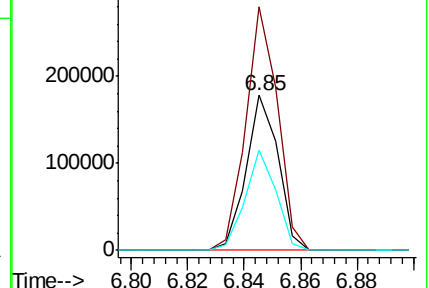
115 65.1 48.5 72.7



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: 86.764 ng

RT: 5.46 min Scan# 573

Delta R.T. 0.00 min

Lab File: BF120780.D

Acq: 7 Jul 2020 11:49

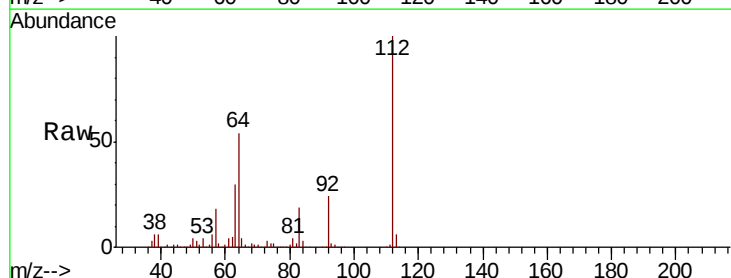
Tgt Ion:112 Resp: 788634

Ion Ratio Lower Upper

112 100

64 54.2 43.8 65.6

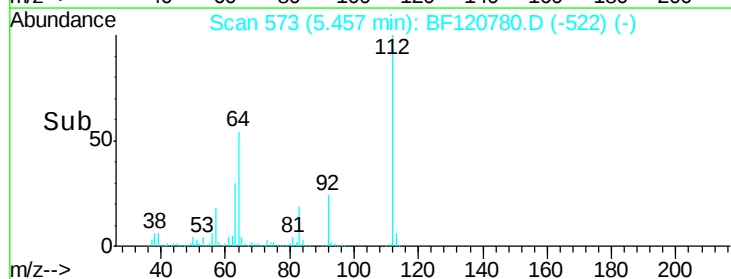
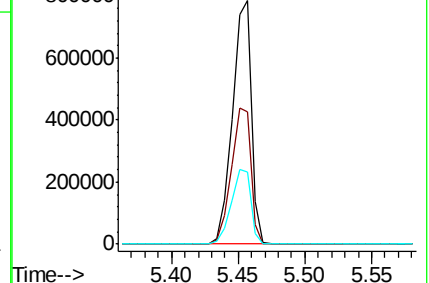
63 29.7 23.6 35.4

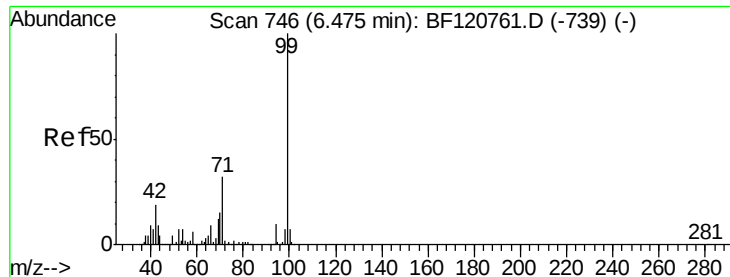


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 85.424 ng

RT: 6.47 min Scan# 745

Delta R.T. -0.01 min

Lab File: BF120780.D

Acq: 7 Jul 2020 11:49

Instrument :

BNA_F

ClientSampleId :

TP3-SS

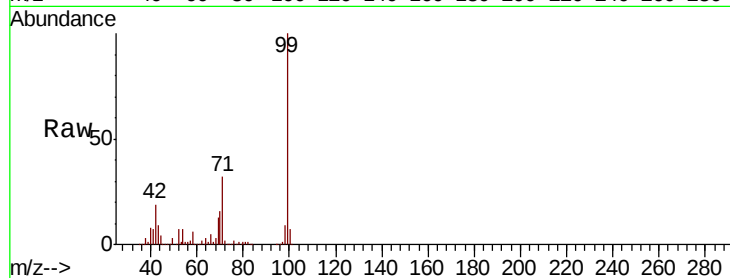
Tot Ion: 99 Resp: 991562

Ion Ratio Lower Upper

99 100

42 19.4 15.4 23.0

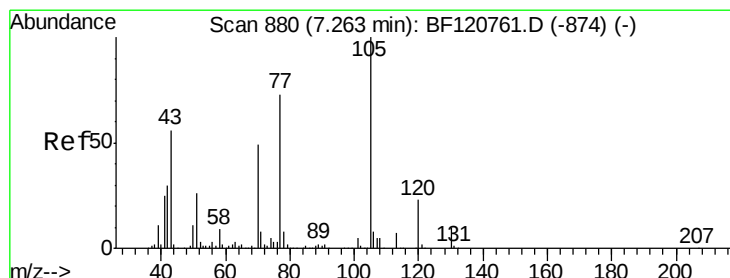
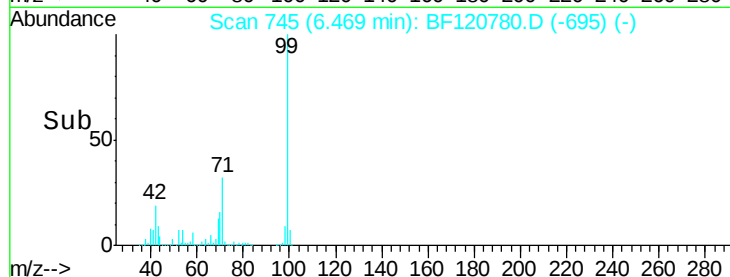
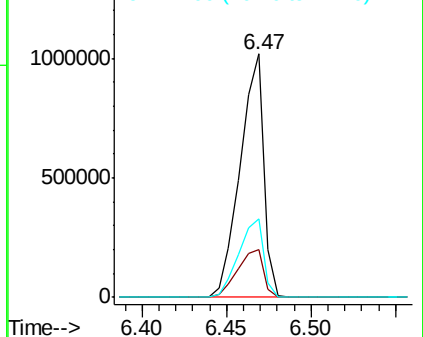
71 32.2 25.9 38.9



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: 12.828 ng

RT: 7.40 min Scan# 904

Delta R.T. 0.14 min

Lab File: BF120780.D

Acq: 7 Jul 2020 11:49

Tgt Ion: 70 Resp: 89657

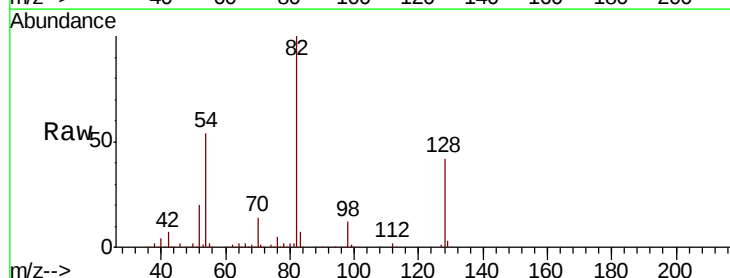
Ion Ratio Lower Upper

70 100

42 52.0 50.3 75.5

101 0.0 7.5 11.3#

130 1.9 16.1 24.1#

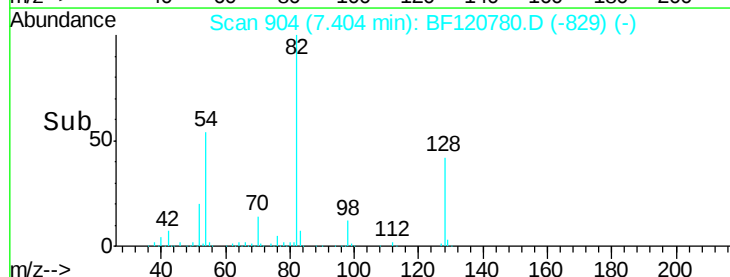
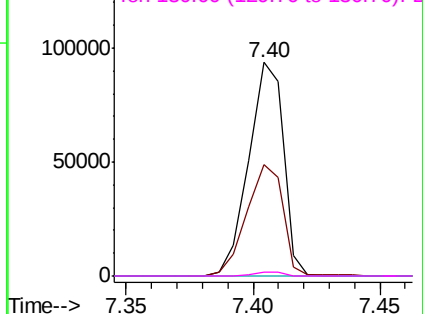


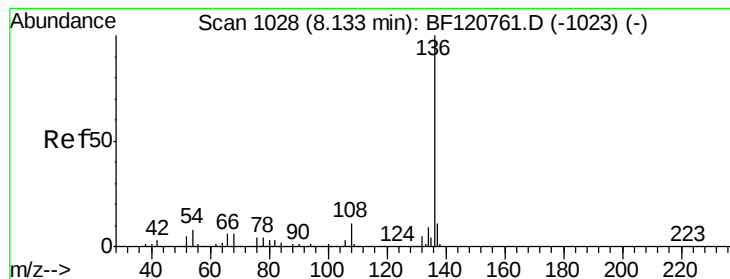
Abundance Ion 70.00 (69.70 to 70.70): BF1

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: 8.13 min Scan# 1027

Delta R.T. -0.01 min

Lab File: BF120780.D

Acq: 7 Jul 2020 11:49

Instrument :

BNA_F

ClientSampleId :

TP3-SS

Tot Ion:136 Resp: 542410

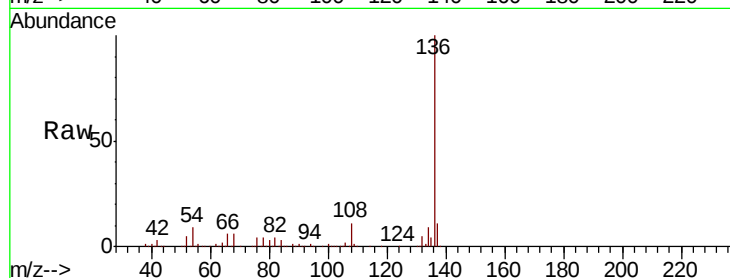
Ion Ratio Lower Upper

136 100

137 11.0 9.0 13.6

54 8.5 6.2 9.4

68 5.8 4.7 7.1

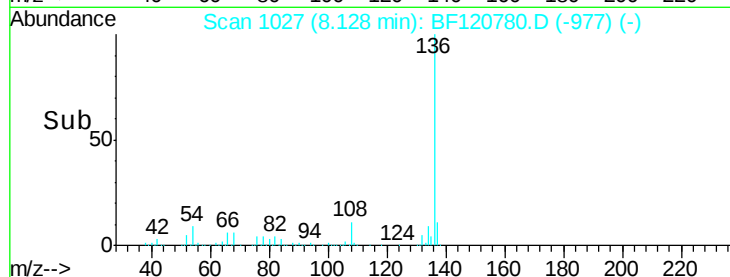


Abundance Ion 136.00 (135.70 to 136.70): E

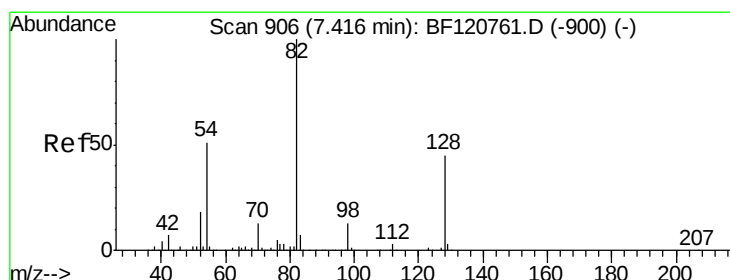
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



Time-->



#23

Nitrobenzene-d5

Concen: 69.702 ng

RT: 7.40 min Scan# 904

Delta R.T. -0.01 min

Lab File: BF120780.D

Acq: 7 Jul 2020 11:49

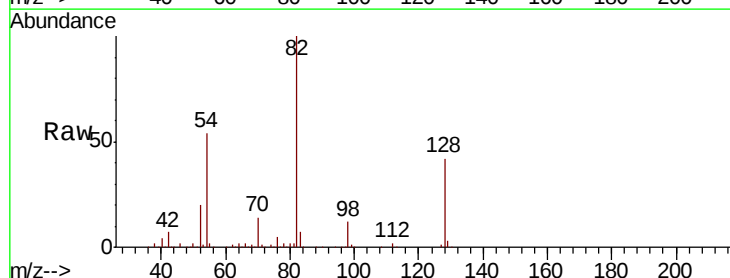
Tgt Ion: 82 Resp: 652547

Ion Ratio Lower Upper

82 100

128 42.4 35.7 53.5

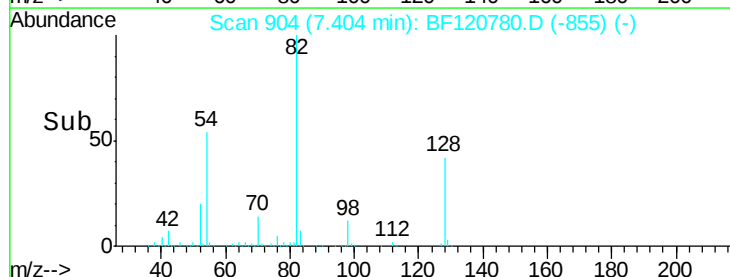
54 54.5 40.9 61.3



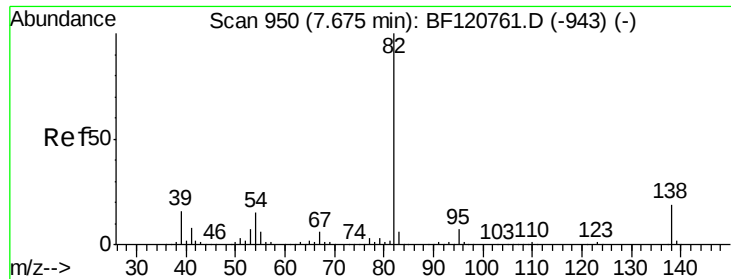
Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1



Time-->



#25

Isophorone

Concen: 32.316 ng

RT: 7.40 min Scan# 904

Delta R.T. -0.27 min

Lab File: BF120780.D

Acq: 7 Jul 2020 11:49

Instrument :

BNA_F

ClientSampleId :

TP3-SS

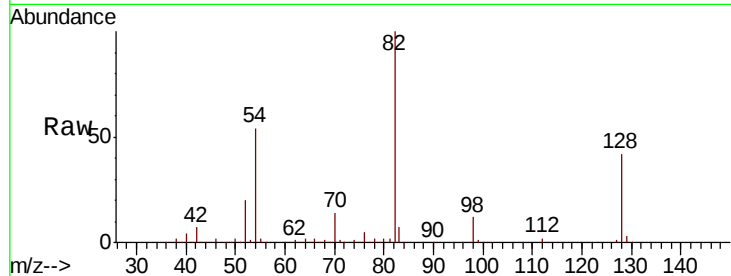
Tot Ion: 82 Resp: 652444

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.2#

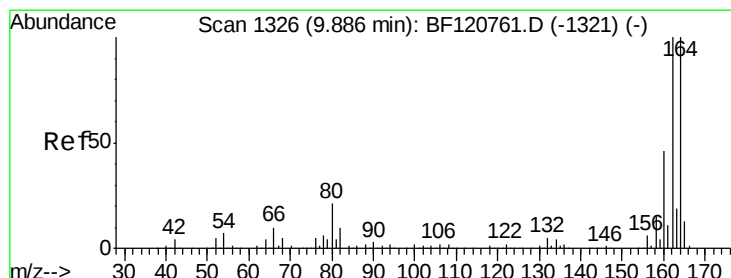
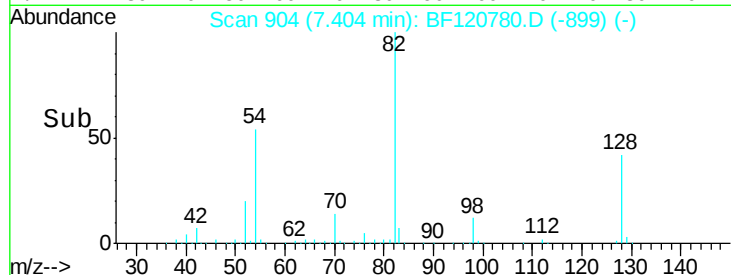
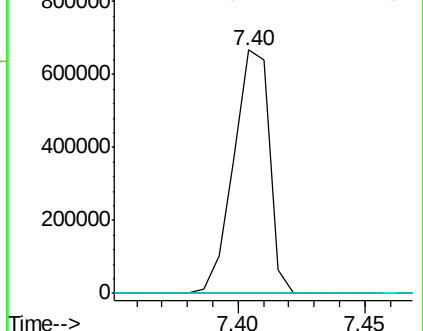
138 0.0 15.0 22.4#



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: 9.89 min Scan# 1326

Delta R.T. 0.00 min

Lab File: BF120780.D

Acq: 7 Jul 2020 11:49

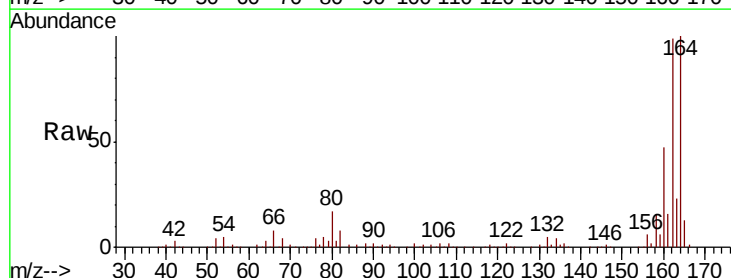
Tgt Ion:164 Resp: 281012

Ion Ratio Lower Upper

164 100

162 99.3 80.2 120.2

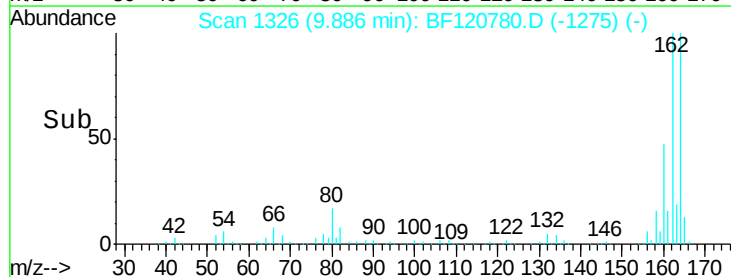
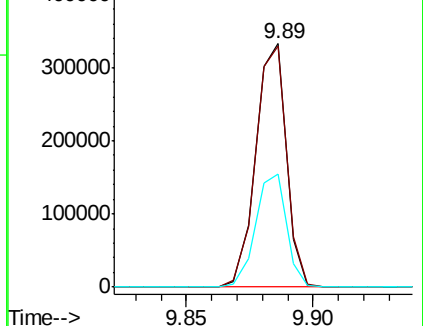
160 46.6 36.9 55.3

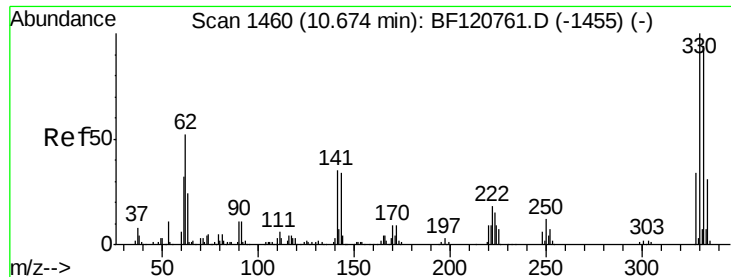


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

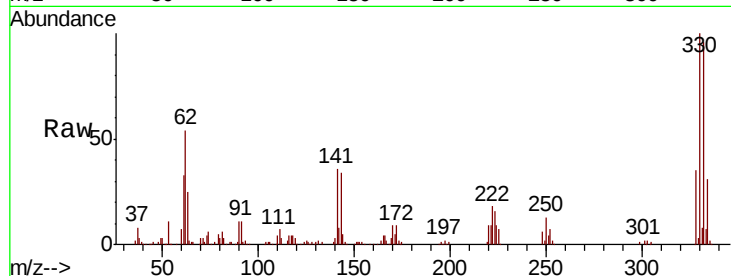




#42
 2,4,6-Tribromophenol
 Concen: 92.841 ng
 RT: 10.67 min Scan# 1459
 Delta R.T. -0.01 min
 Lab File: BF120780.D
 Acq: 7 Jul 2020 11:49

Instrument :
 BNA_F
 ClientSampleId :
 TP3-SS

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.1	75.8	113.6
141	37.6	29.7	44.5

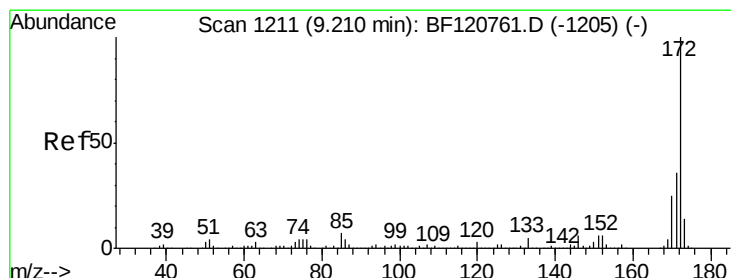
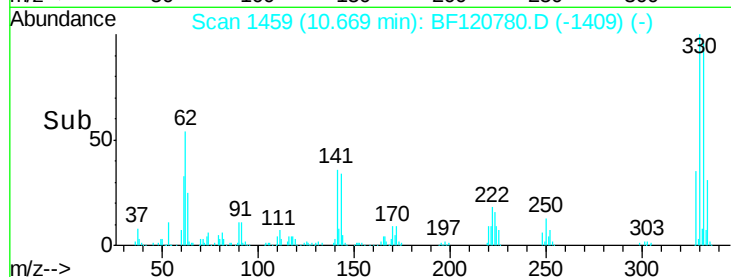
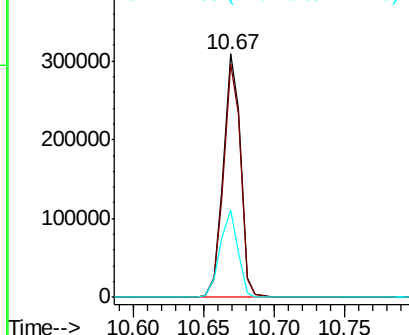


Abundance

Ion 329.80 (329.50 to 330.50): E

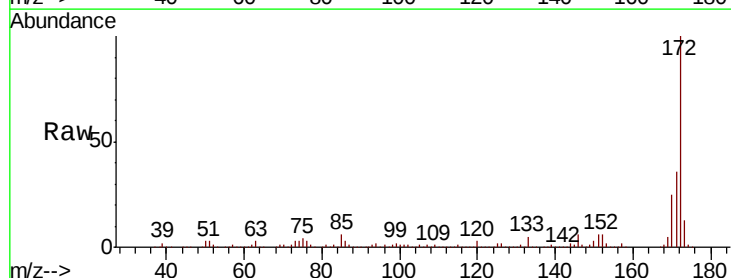
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 66.543 ng
 RT: 9.21 min Scan# 1211
 Delta R.T. 0.00 min
 Lab File: BF120780.D
 Acq: 7 Jul 2020 11:49

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.2	29.1	43.7
170	24.8	19.8	29.6

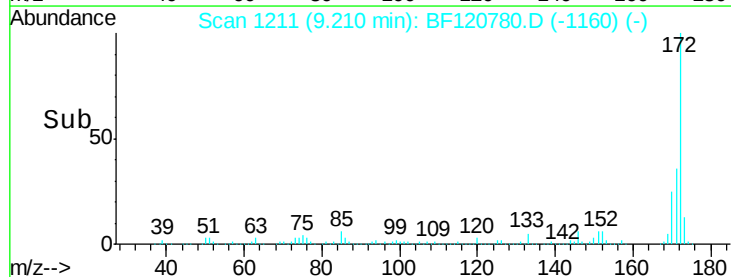
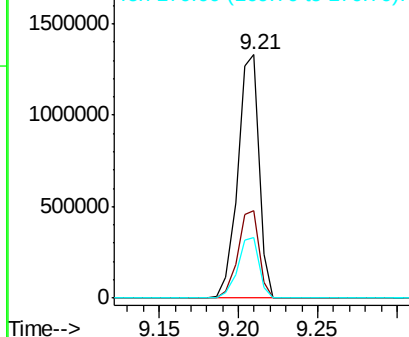


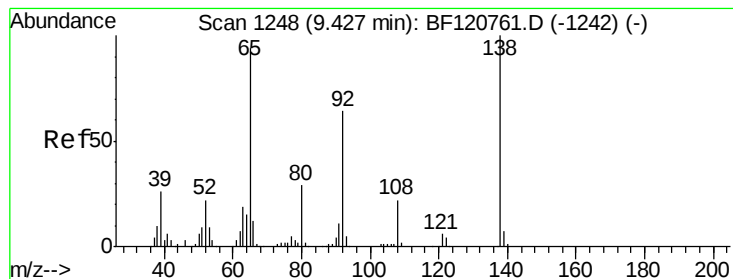
Abundance

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





#48

2-Nitroaniline

Concen: 2.922 ng

RT: 9.60 min Scan# 1277

Delta R.T. 0.17 min

Lab File: BF120780.D

Acq: 7 Jul 2020 11:49

Instrument :

BNA_F

ClientSampleId :

TP3-SS

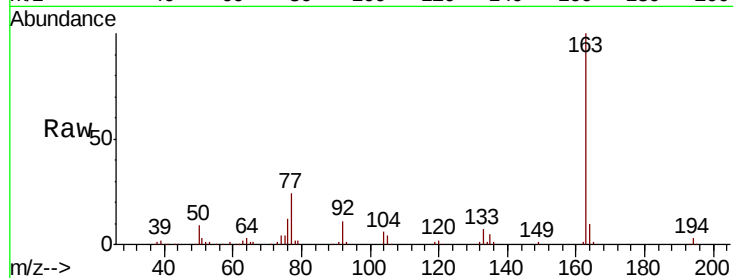
Tot Ion: 65 Resp: 1738

Ion Ratio Lower Upper

65 100

92 922.0 54.4 81.6#

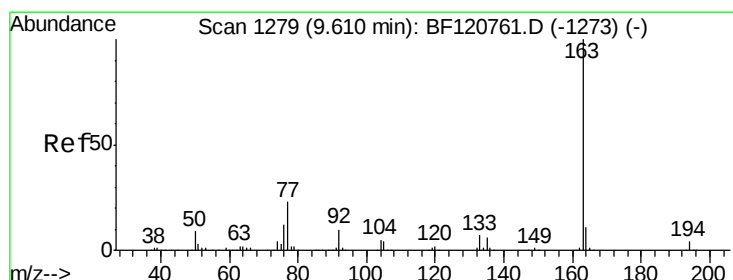
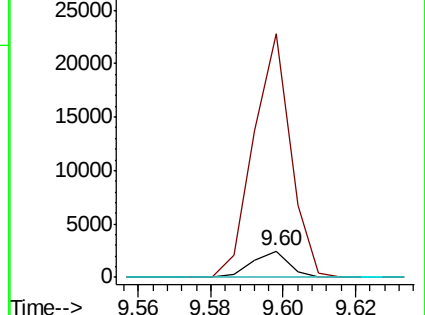
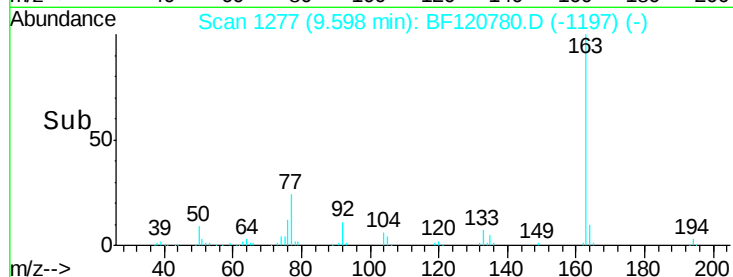
138 0.0 84.7 127.1#



Abundance Ion 65.00 (64.70 to 65.70): BF1

Ion 92.00 (91.70 to 92.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#50

Dimethylphthalate

Concen: 6.928 ng

RT: 9.60 min Scan# 1277

Delta R.T. -0.01 min

Lab File: BF120780.D

Acq: 7 Jul 2020 11:49

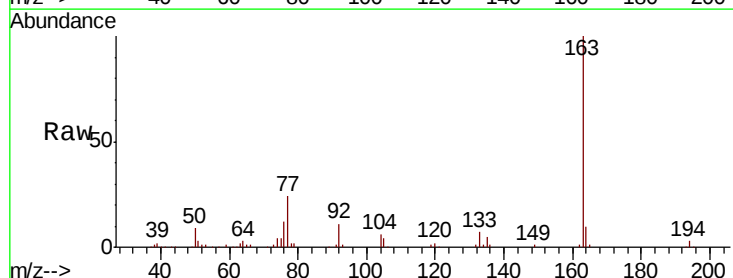
Tgt Ion:163 Resp: 142028

Ion Ratio Lower Upper

163 100

194 3.5 2.9 4.3

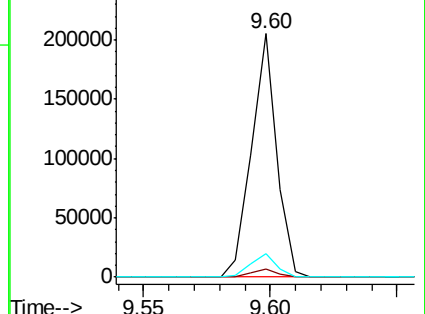
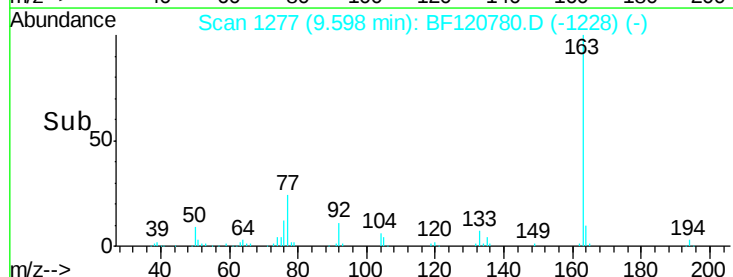
164 9.6 8.5 12.7

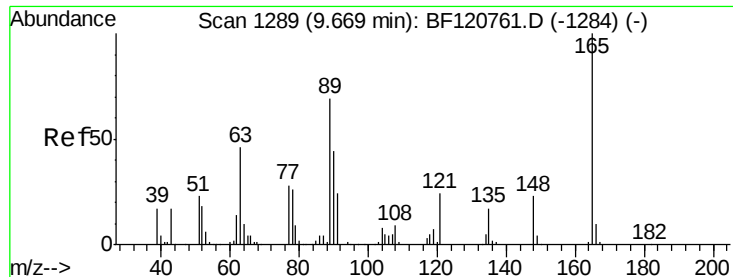


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

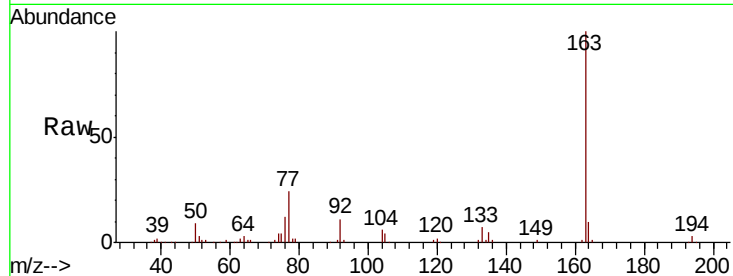




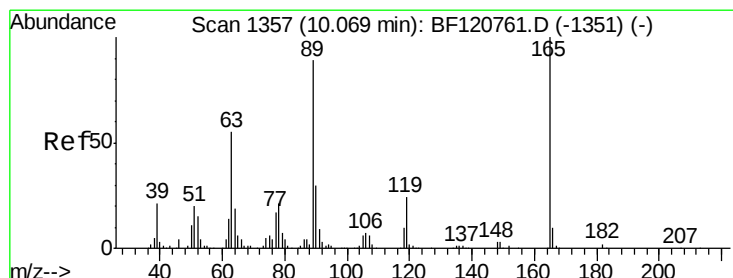
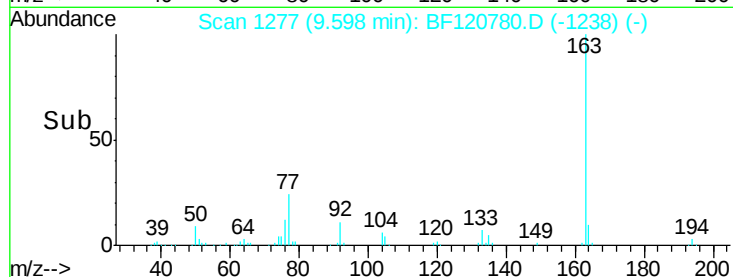
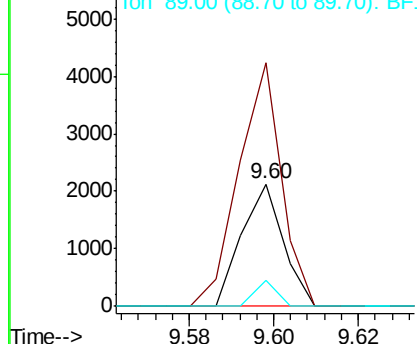
#51
 2,6-Dinitrotoluene
 Concen: 2.617 ng
 RT: 9.60 min Scan# 1277
 Delta R.T. -0.07 min
 Lab File: BF120780.D
 Acq: 7 Jul 2020 11:49

Instrument :
 BNA_F
 ClientSampleId :
 TP3-SS

Tot Ion:165 Resp: 1451
 Ion Ratio Lower Upper
 165 100
 63 198.7 54.0 81.0#
 89 20.8 55.4 83.2#

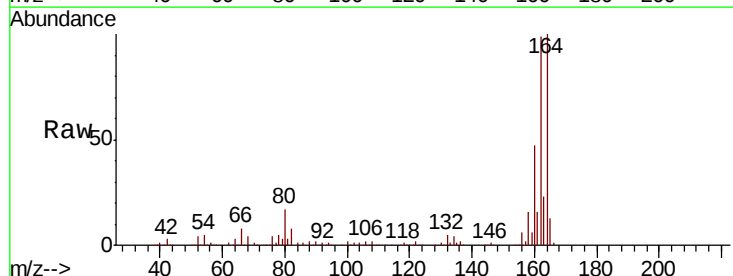


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

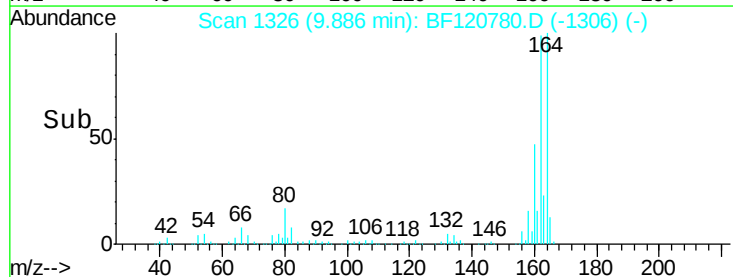
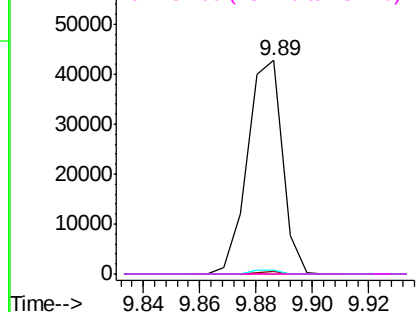


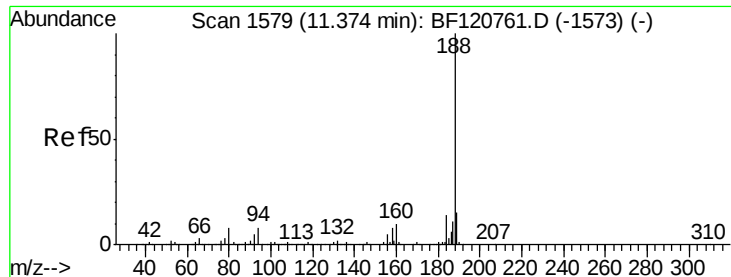
#57
 2,4-Dinitrotoluene
 Concen: 9.838 ng
 RT: 9.89 min Scan# 1326
 Delta R.T. -0.18 min
 Lab File: BF120780.D
 Acq: 7 Jul 2020 11:49

Tgt Ion:165 Resp: 36672
 Ion Ratio Lower Upper
 165 100
 63 1.4 43.8 65.8#
 89 1.6 71.4 107.2#
 182 0.0 1.8 2.6#



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: 11.37 min Scan# 1578

Delta R.T. -0.01 min

Lab File: BF120780.D

Acq: 7 Jul 2020 11:49

Instrument :

BNA_F

ClientSampleId :

TP3-SS

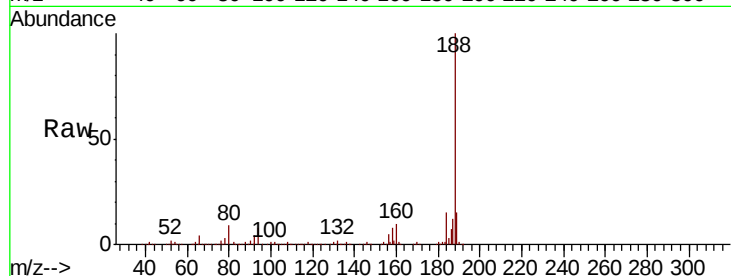
Tot Ion:188 Resp: 529519

Ion Ratio Lower Upper

188 100

94 8.2 6.6 9.8

80 8.7 6.6 10.0



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

11.37

800000

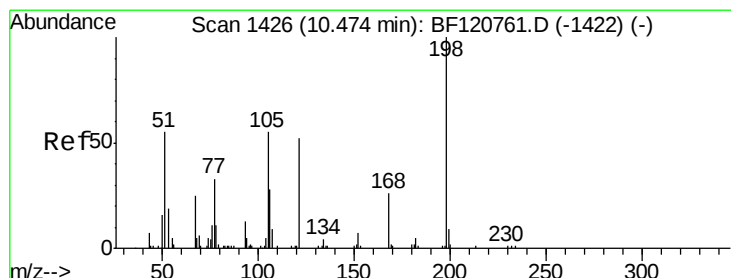
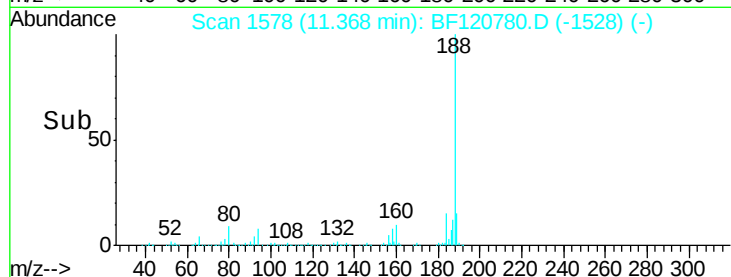
600000

400000

200000

0

Time--> 11.30 11.35 11.40



#65

4,6-Dinitro-2-methylphenol

Concen: 7.265 ng

RT: 10.67 min Scan# 1459

Delta R.T. 0.19 min

Lab File: BF120780.D

Acq: 7 Jul 2020 11:49

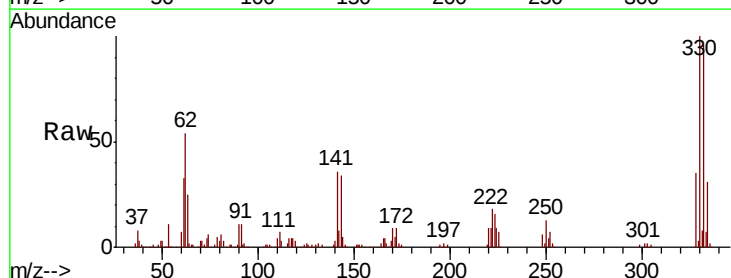
Tgt Ion:198 Resp: 671

Ion Ratio Lower Upper

198 100

51 150.2 50.0 90.0#

105 183.9 38.3 78.3#



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

2000

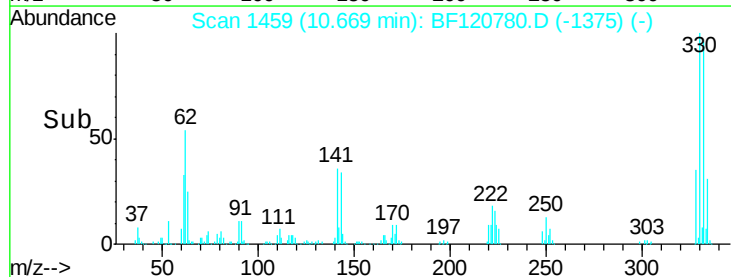
1500

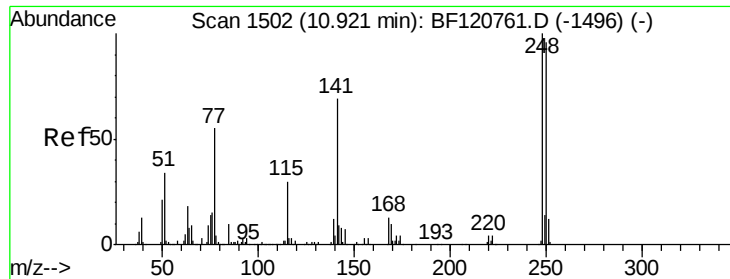
1000

500

0

Time--> 10.64 10.66 10.68

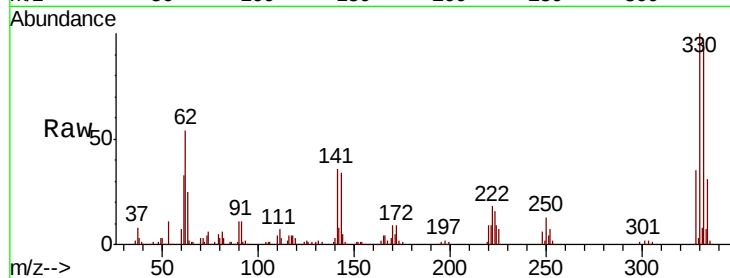




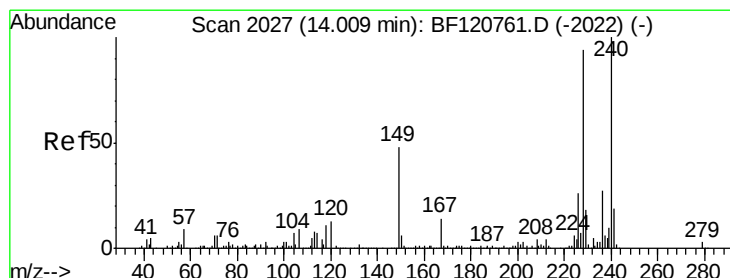
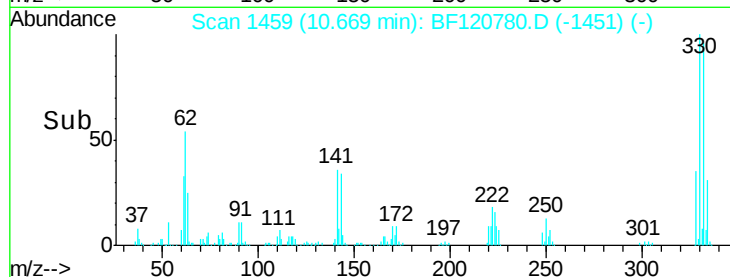
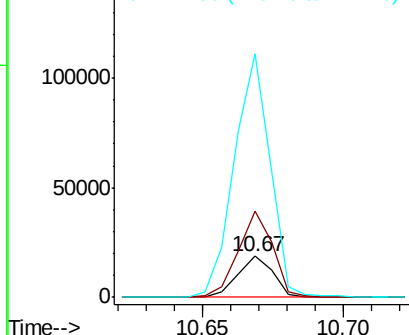
#67
4-Bromophenyl-phenylether
Concen: 2.646 ng
RT: 10.67 min Scan# 1459
Delta R.T. -0.25 min
Lab File: BF120780.D
Acq: 7 Jul 2020 11:49

Instrument :
BNA_F
ClientSampled :
TP3-SS

Tot Ion:248 Resp: 16250
Ion Ratio Lower Upper
248 100
250 208.8 76.5 114.7#
141 593.2 54.9 82.3#

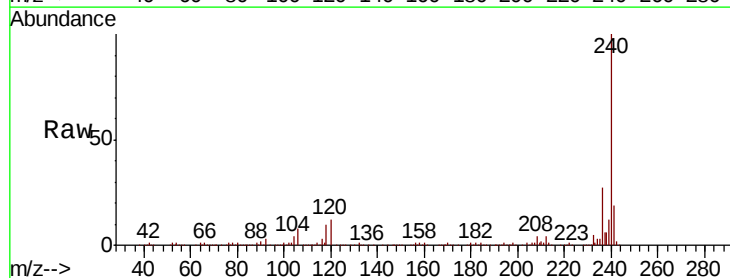


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

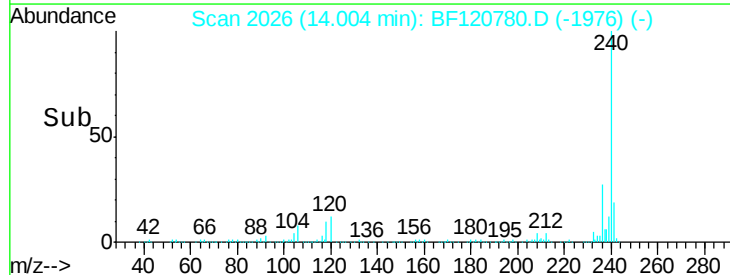
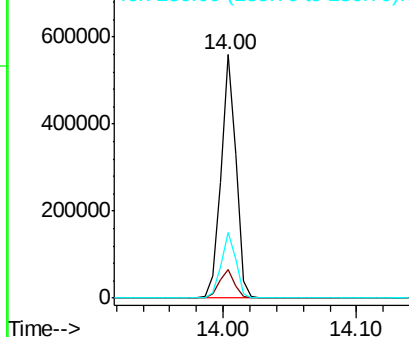


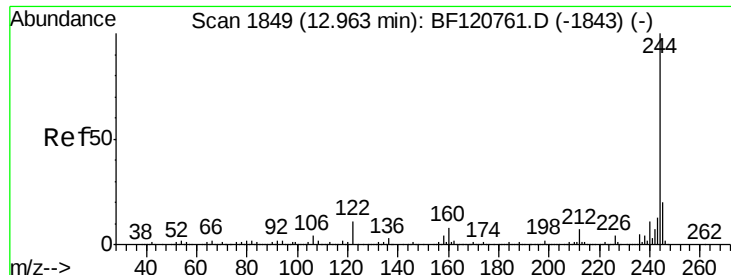
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.00 min Scan# 2026
Delta R.T. -0.01 min
Lab File: BF120780.D
Acq: 7 Jul 2020 11:49

Tgt Ion:240 Resp: 446091
Ion Ratio Lower Upper
240 100
120 11.5 10.3 15.5
236 27.2 21.4 32.2



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



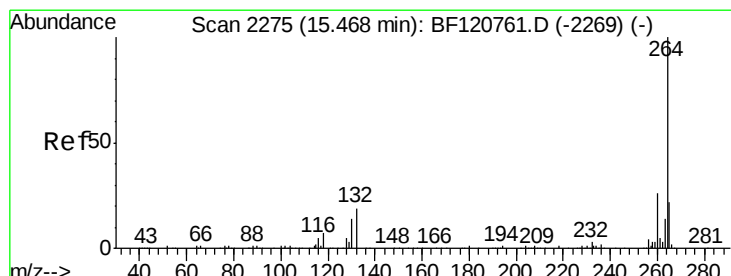
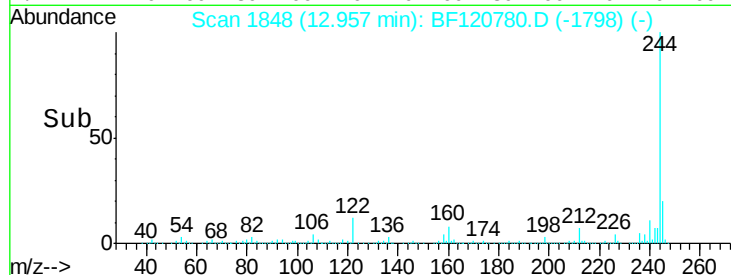
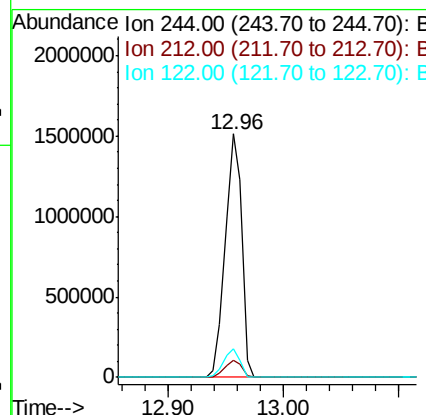
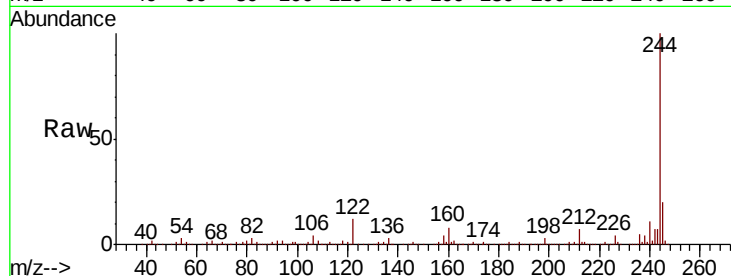


#79
 Terphenyl-d14
 Concen: 65.652 ng
 RT: 12.96 min Scan# 1848
 Delta R.T. -0.01 min
 Lab File: BF120780.D
 Acq: 7 Jul 2020 11:49

Instrument :
 BNA_F
 ClientSampleId :
 TP3-SS

Tot Ion:244 Resp: 1495826

Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.6	8.4
122	11.9	9.0	13.4



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.47 min Scan# 2275
 Delta R.T. 0.00 min
 Lab File: BF120780.D
 Acq: 7 Jul 2020 11:49

Tgt Ion:264 Resp: 402322

Ion	Ratio	Lower	Upper
264	100		
260	25.7	20.6	30.8
265	22.1	17.6	26.4

