

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071020\
 Data File : BF120835.D
 Acq On : 10 Jul 2020 17:07
 Operator : JU/CG
 Sample : L3258-02
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 20200415-FIELD-BLANK

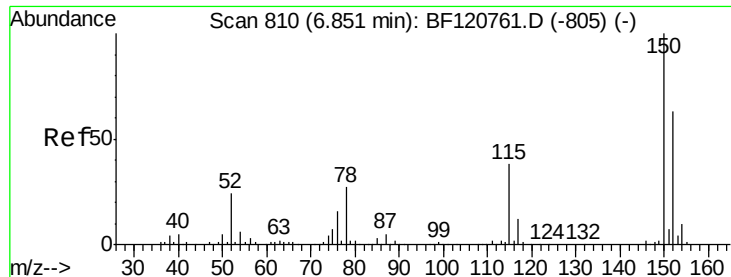
Quant Time: Jul 10 18:48:09 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF070220.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 02 18:51:52 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	164312	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	627388	20.00	ng	0.00
39) Acenaphthene-d10	9.88	164	321310	20.00	ng	0.00
64) Phenanthrene-d10	11.37	188	589615	20.00	ng	0.00
76) Chrysene-d12	14.00	240	437699	20.00	ng	0.00
86) Perylene-d12	15.46	264	315671	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.45	112	629713	59.16	ng	0.00
7) Phenol-d6	6.46	99	468361	34.46	ng	-0.01
23) Nitrobenzene-d5	7.41	82	1038588	95.91	ng	0.00
42) 2,4,6-Tribromophenol	10.67	330	387563	120.06	ng	0.00
45) 2-Fluorobiphenyl	9.21	172	1663903	78.35	ng	0.00
79) Terphenyl-d14	12.96	244	1978559	88.50	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.41	70	140888	17.214	ng	# 75
25) Isophorone	7.41	82	1035356	44.335	ng	# 64
48) 2-Nitroaniline	9.33	65	12928	4.585	ng	# 13
50) Dimethylphthalate	9.60	163	301907	12.881	ng	# 99
51) 2,6-Dinitrotoluene	9.60	165	3225	2.937	ng	# 12
53) 3-Nitroaniline	9.95	138	107	2.181	ng	# 1
57) 2,4-Dinitrotoluene	9.88	165	41070	9.699	ng	# 15
65) 4,6-Dinitro-2-methylphenol	10.67	198	924	7.326	ng	# 1
67) 4-Bromophenyl-phenylether	10.67	248	22540	3.296	ng	# 1
77) Benzidine	12.96	184	28873	2.337	ng	# 94

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

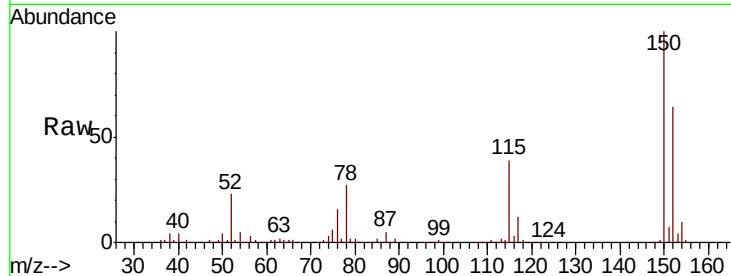


#1

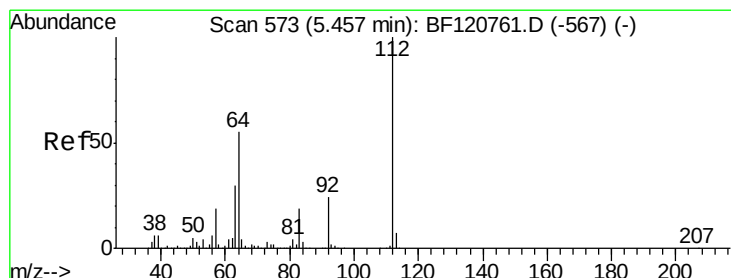
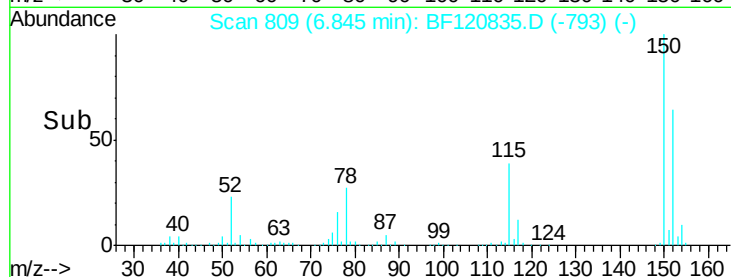
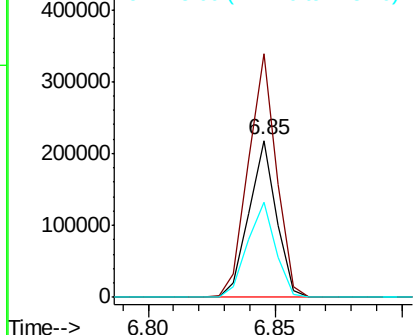
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 809
Delta R.T. -0.01 min
Lab File: BF120835.D
Acq: 10 Jul 2020 17:07

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20200415-FIELD-BLANK

Tot Ion:152 Resp: 164312
Ion Ratio Lower Upper
152 100
150 155.5 126.1 189.1
115 60.7 48.5 72.7



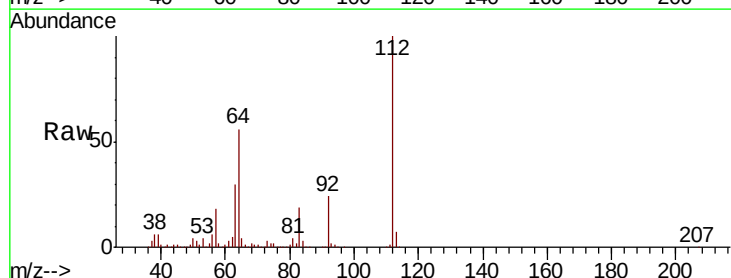
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



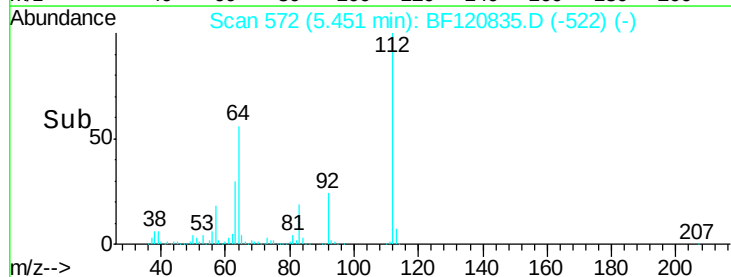
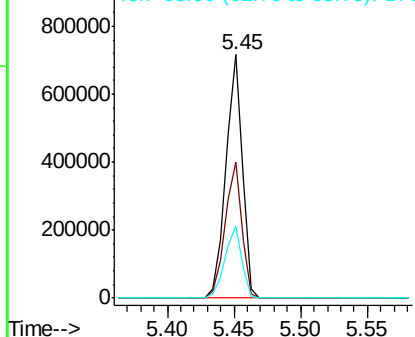
#5

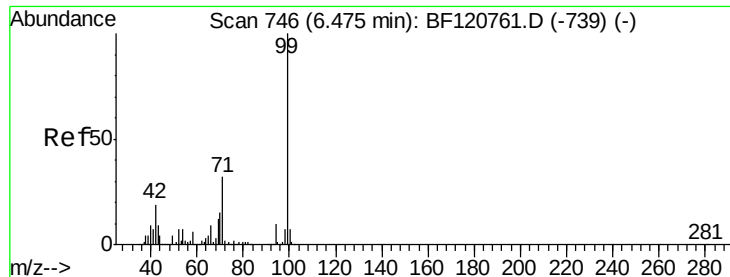
2-Fluorophenol
Concen: 59.159 ng
RT: 5.45 min Scan# 572
Delta R.T. -0.01 min
Lab File: BF120835.D
Acq: 10 Jul 2020 17:07

Tgt Ion:112 Resp: 629713
Ion Ratio Lower Upper
112 100
64 55.8 43.8 65.6
63 29.5 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: 34.455 ng

RT: 6.46 min Scan# 744

Delta R.T. -0.01 min

Lab File: BF120835.D

Acq: 10 Jul 2020 17:07

Instrument :

BNA_F

ClientSampleId :

20200415-FIELD-BLANK

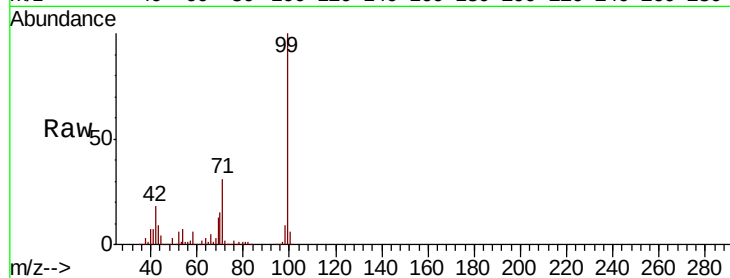
Tot Ion: 99 Resp: 468361

Ion Ratio Lower Upper

99 100

42 18.2 15.4 23.0

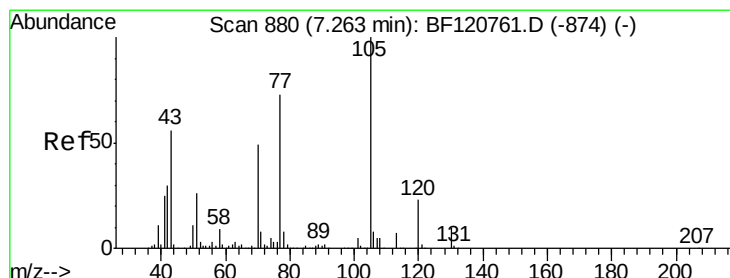
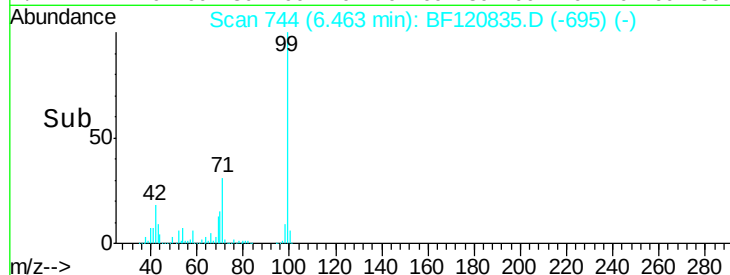
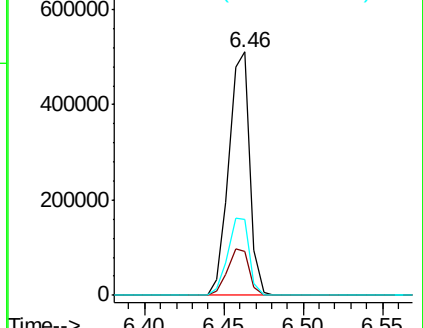
71 31.4 25.9 38.9



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: 17.214 ng

RT: 7.41 min Scan# 905

Delta R.T. 0.15 min

Lab File: BF120835.D

Acq: 10 Jul 2020 17:07

Tgt Ion: 70 Resp: 140888

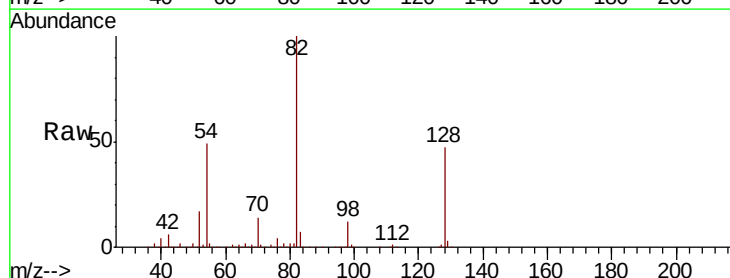
Ion Ratio Lower Upper

70 100

42 46.9 50.3 75.5#

101 0.0 7.5 11.3#

130 2.6 16.1 24.1#

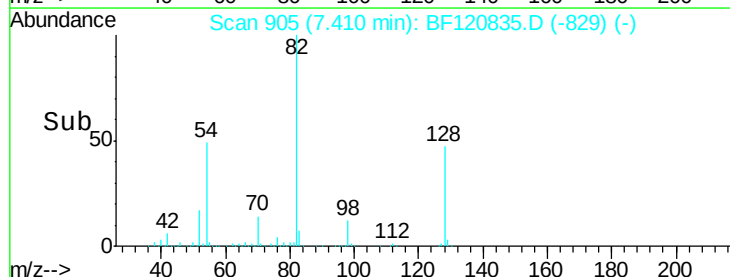
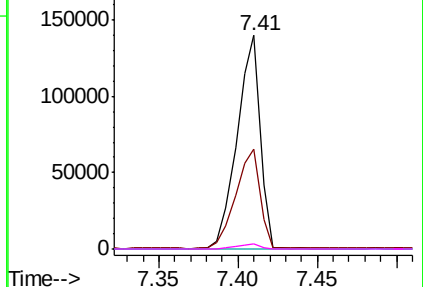


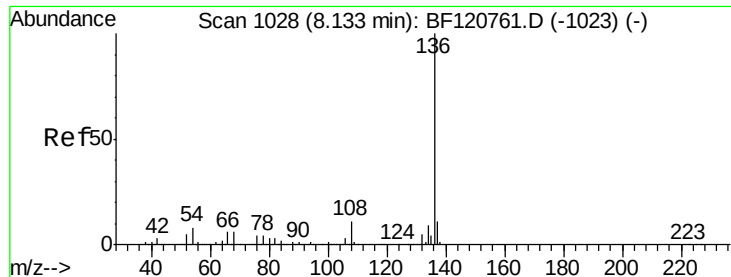
Abundance Ion 70.00 (69.70 to 70.70): BF1

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

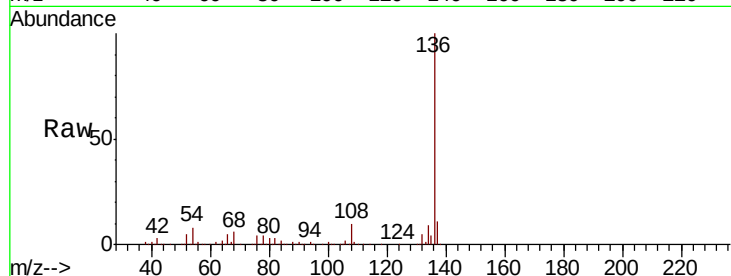




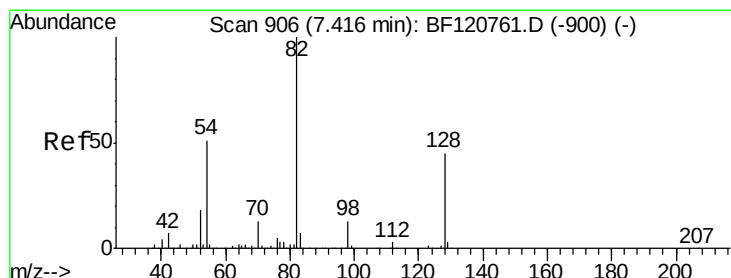
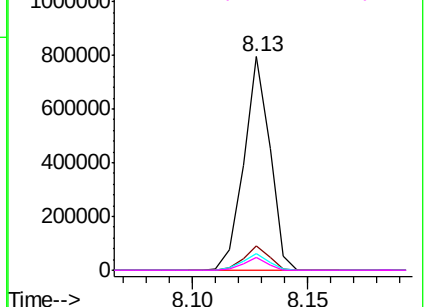
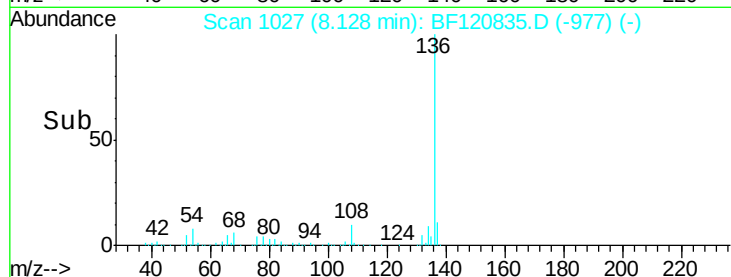
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.13 min Scan# 1027
Delta R.T. -0.01 min
Lab File: BF120835.D
Acq: 10 Jul 2020 17:07

Instrument :
BNA_F
ClientSampleId :
20200415-FIELD-BLANK

Tot Ion:136	Resp: 627388
Ion Ratio	Lower Upper
136 100	
137 11.2	9.0 13.6
54 7.8	6.2 9.4
68 5.9	4.7 7.1

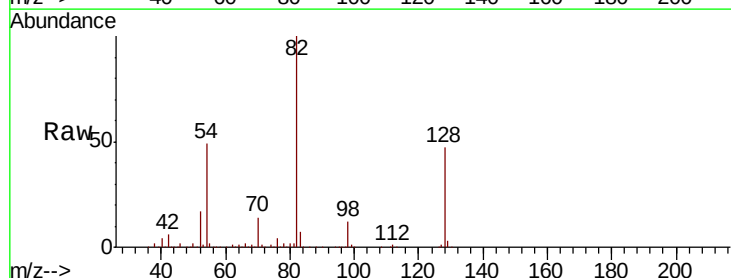


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

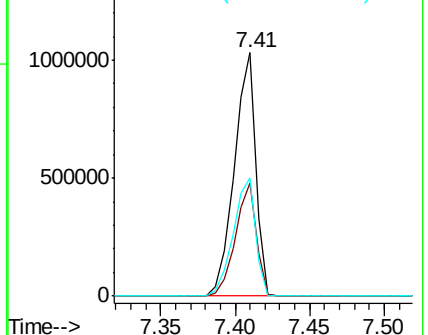
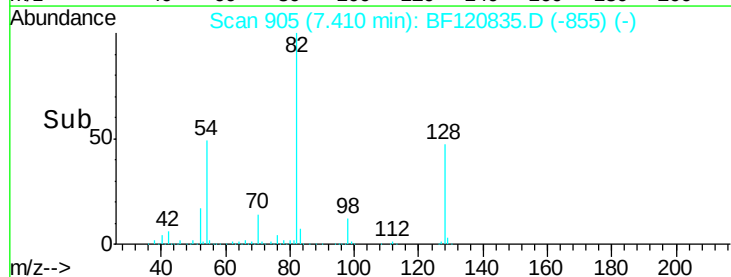


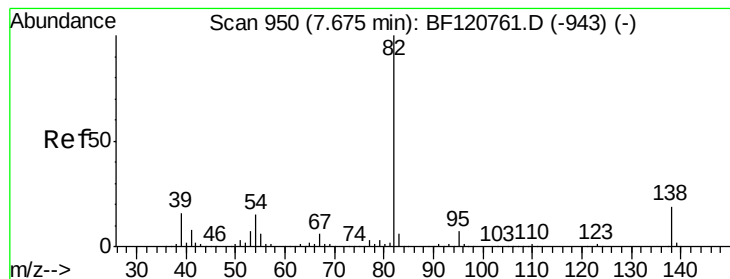
#23
Nitrobenzene-d5
Concen: 95.911 ng
RT: 7.41 min Scan# 905
Delta R.T. -0.01 min
Lab File: BF120835.D
Acq: 10 Jul 2020 17:07

Tgt	Ion: 82	Resp: 1038588	
Ion	Ratio	Lower	Upper
82	100		
128	46.5	35.7	53.5
54	48.7	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





#25

Isophorone

Concen: 44.335 ng

RT: 7.41 min Scan# 905

Delta R.T. -0.26 min

Lab File: BF120835.D

Acq: 10 Jul 2020 17:07

Instrument :

BNA_F

ClientSampleId :

20200415-FIELD-BLANK

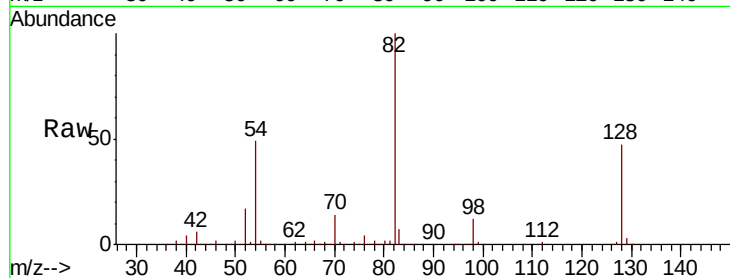
Tot Ion: 82 Resp: 1035356

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.2#

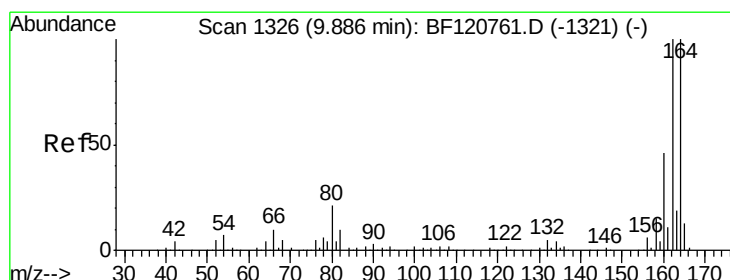
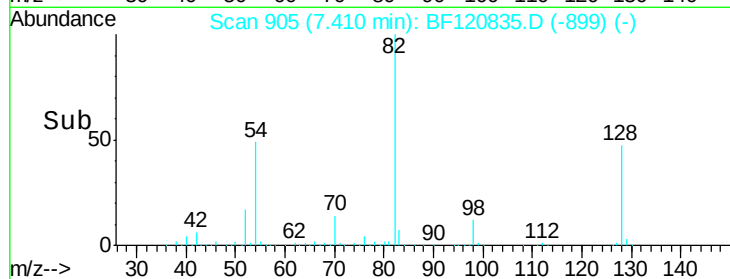
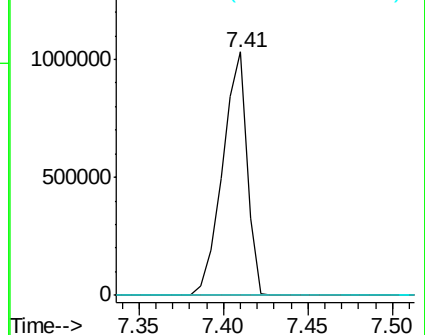
138 0.0 15.0 22.4#



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: 9.88 min Scan# 1325

Delta R.T. -0.01 min

Lab File: BF120835.D

Acq: 10 Jul 2020 17:07

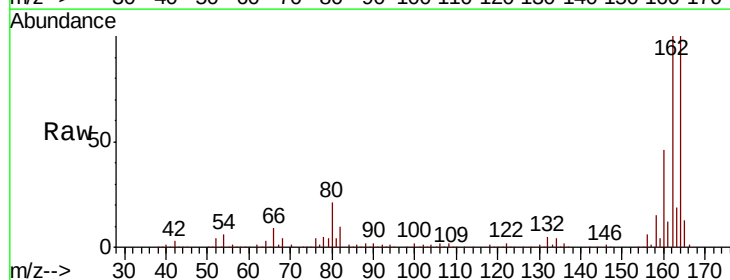
Tgt Ion: 164 Resp: 321310

Ion Ratio Lower Upper

164 100

162 99.8 80.2 120.2

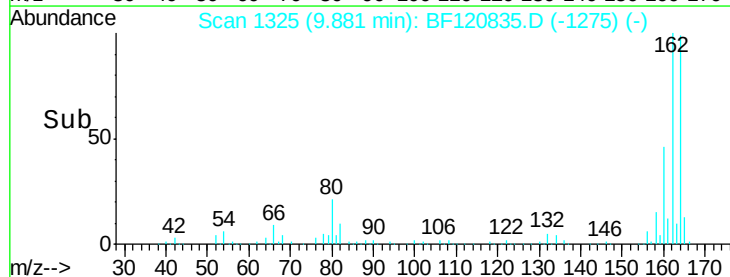
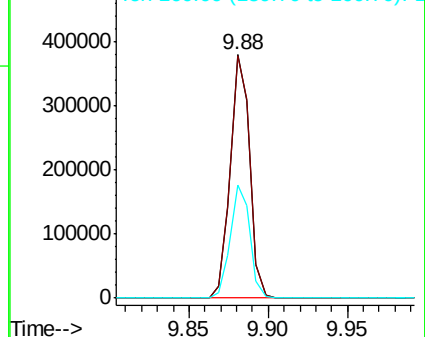
160 46.2 36.9 55.3

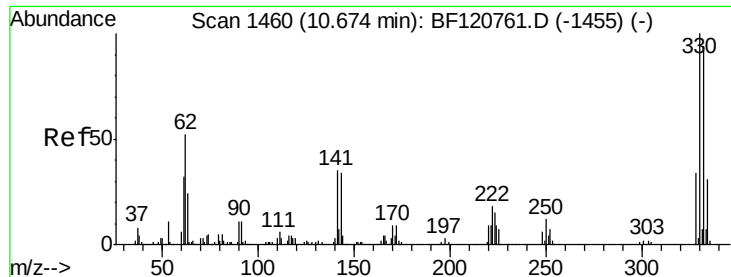


Abundance Ion 164.00 (163.70 to 164.70): BF1

Ion 162.00 (161.70 to 162.70): BF1

Ion 160.00 (159.70 to 160.70): BF1





#42

2,4,6-Tribromophenol

Concen: 120.062 ng

RT: 10.67 min Scan# 1460

Delta R.T. 0.00 min

Lab File: BF120835.D

Acq: 10 Jul 2020 17:07

Instrument :

BNA_F

ClientSampleId :

20200415-FIELD-BLANK

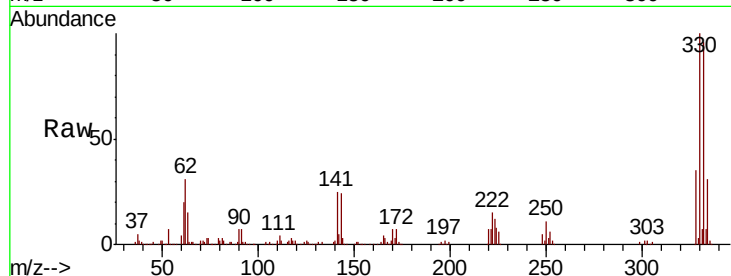
Tot Ion:330 Resp: 387563

Ion Ratio Lower Upper

330 100

332 96.3 75.8 113.6

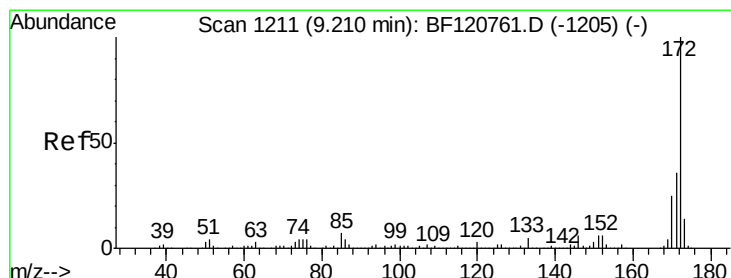
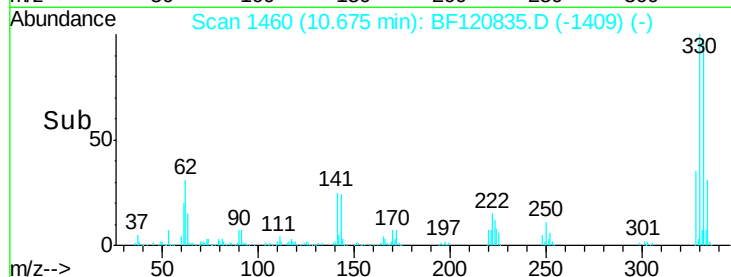
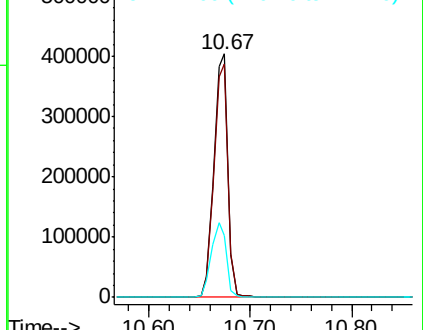
141 33.0 29.7 44.5



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: 78.348 ng

RT: 9.21 min Scan# 1211

Delta R.T. 0.00 min

Lab File: BF120835.D

Acq: 10 Jul 2020 17:07

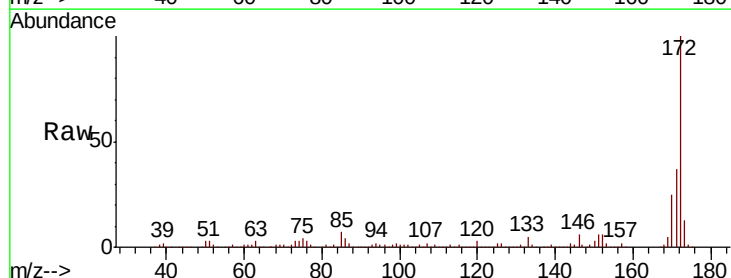
Tgt Ion:172 Resp: 1663903

Ion Ratio Lower Upper

172 100

171 36.5 29.1 43.7

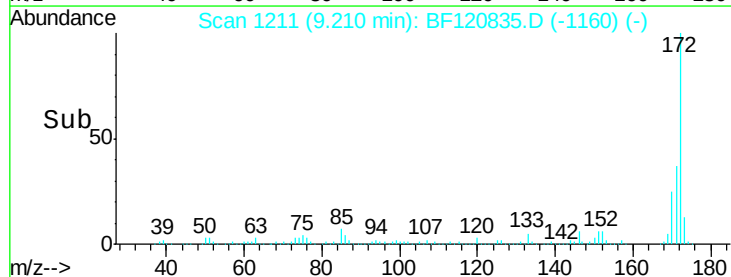
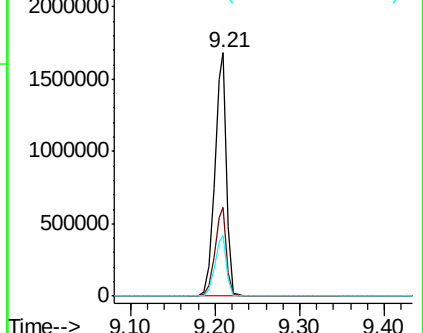
170 24.9 19.8 29.6

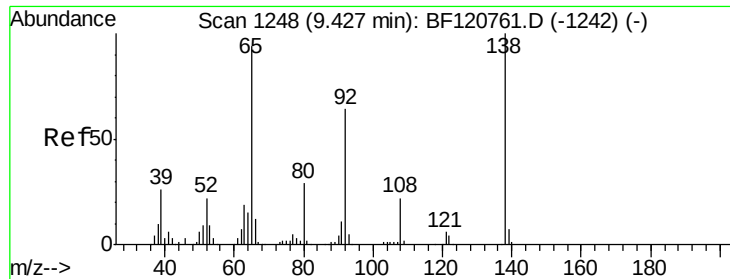


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#48

2-Nitroaniline

Concen: 4.585 ng

RT: 9.33 min Scan# 1231

Delta R.T. -0.10 min

Lab File: BF120835.D

Acq: 10 Jul 2020 17:07

Instrument :

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ClientSampleId :

20200415-FIELD-BLANK

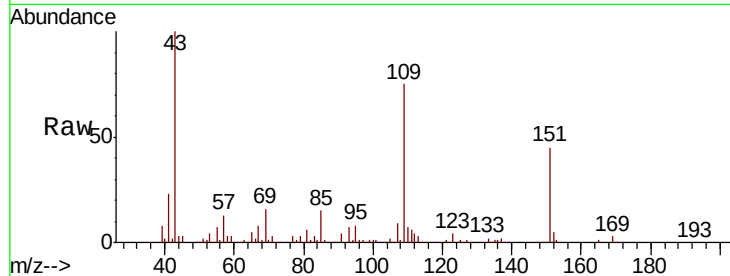
Tot Ion: 65 Resp: 12928

Ion Ratio Lower Upper

65 100

92 10.4 54.4 81.6#

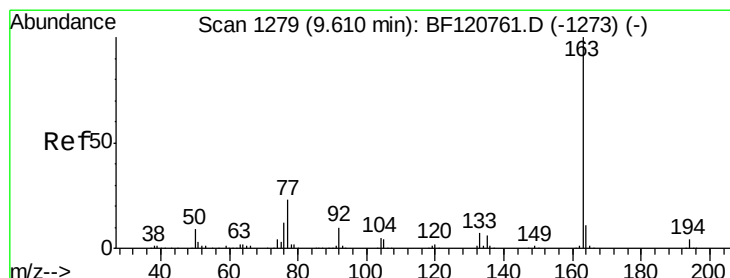
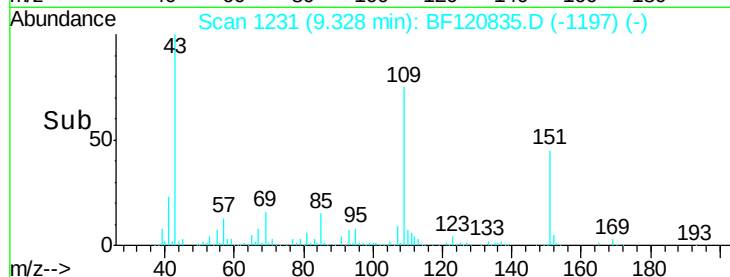
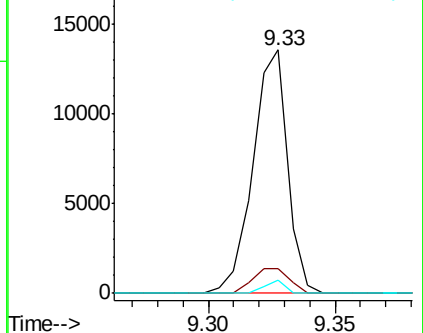
138 5.2 84.7 127.1#



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: 12.881 ng

RT: 9.60 min Scan# 1277

Delta R.T. -0.01 min

Lab File: BF120835.D

Acq: 10 Jul 2020 17:07

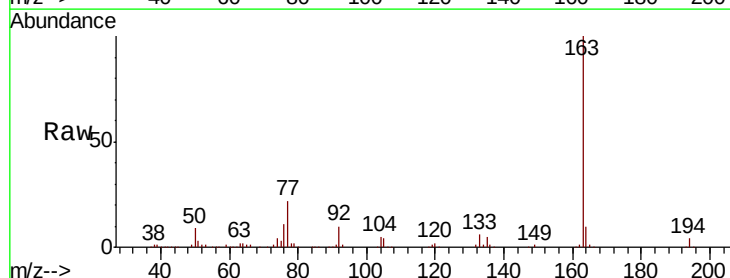
Tgt Ion: 163 Resp: 301907

Ion Ratio Lower Upper

163 100

194 3.6 2.9 4.3

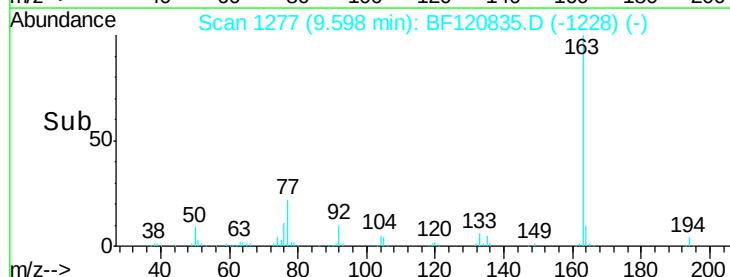
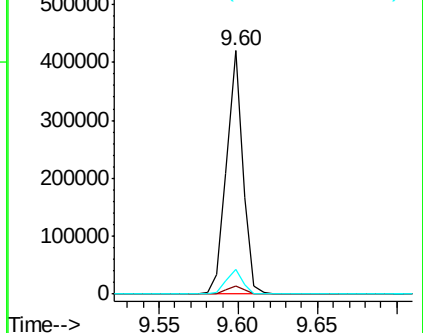
164 10.0 8.5 12.7

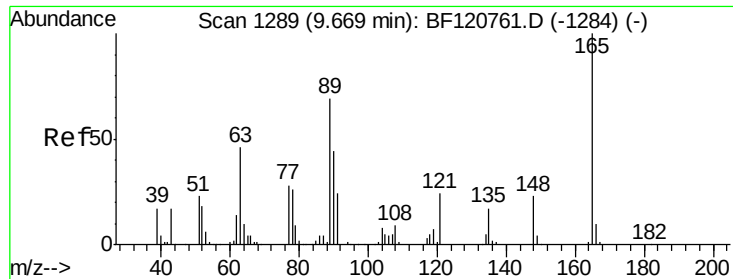


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

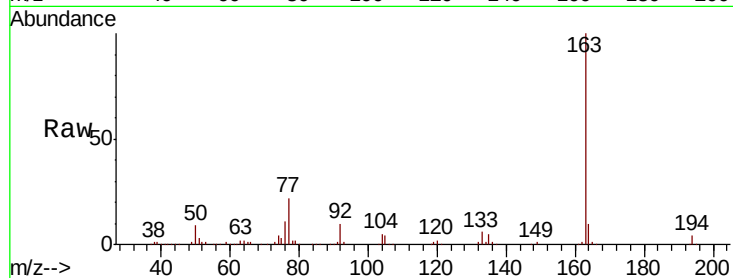




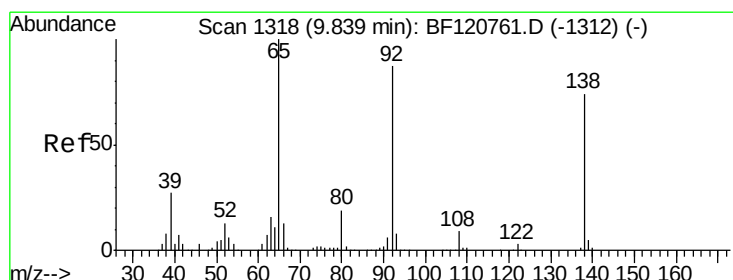
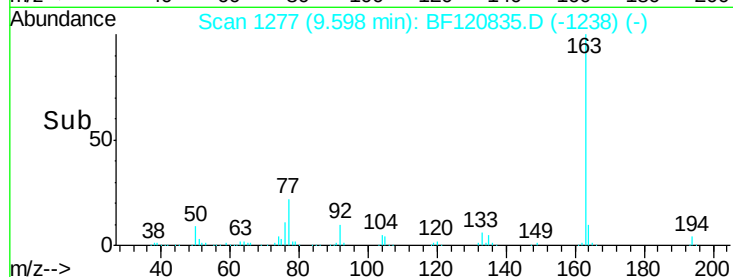
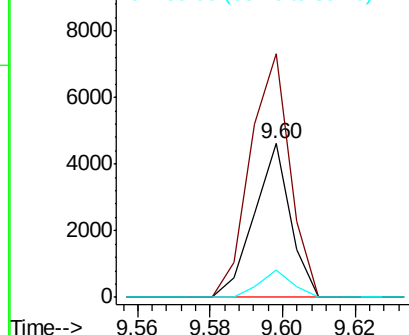
#51
 2,6-Dinitrotoluene
 Concen: 2.937 ng
 RT: 9.60 min Scan# 1277
 Delta R.T. -0.07 min
 Lab File: BF120835.D
 Acq: 10 Jul 2020 17:07

Instrument :
 BNA_F
 ClientSampleId :
 20200415-FIELD-BLANK

Tot Ion:165 Resp: 3225
 Ion Ratio Lower Upper
 165 100
 63 158.2 54.0 81.0#
 89 17.4 55.4 83.2#

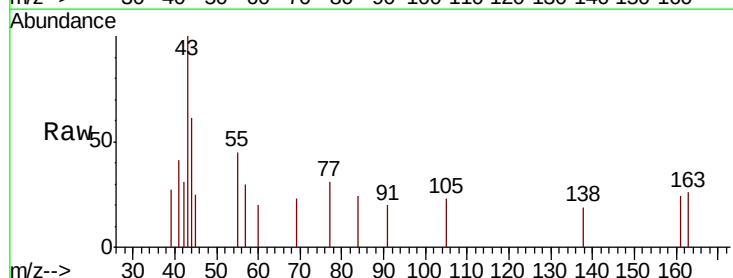


Abundance Ion 165.00 (164.70 to 165.70): E
 10000 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

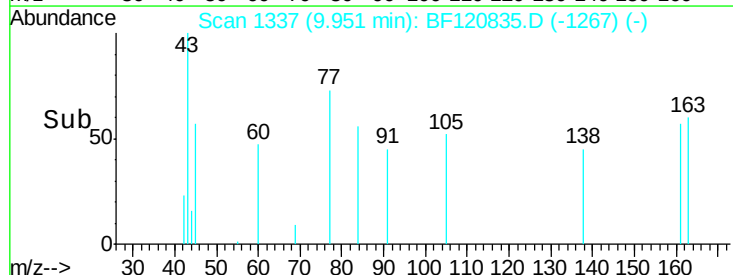
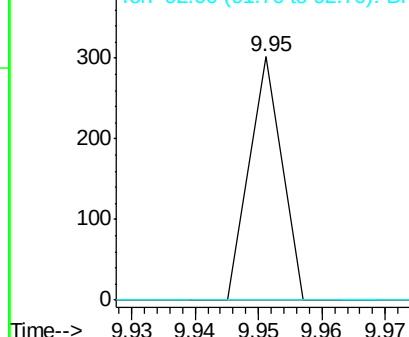


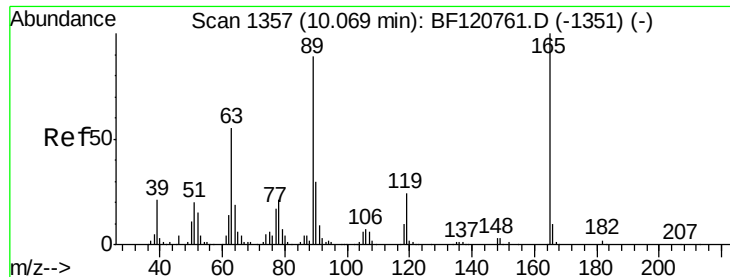
#53
 3-Nitroaniline
 Concen: 2.181 ng
 RT: 9.95 min Scan# 1337
 Delta R.T. 0.11 min
 Lab File: BF120835.D
 Acq: 10 Jul 2020 17:07

Tgt Ion:138 Resp: 107
 Ion Ratio Lower Upper
 138 100
 108 0.0 9.8 14.6#
 92 0.0 93.4 140.2#



Abundance Ion 138.00 (137.70 to 138.70): E
 400 Ion 108.00 (107.70 to 108.70): E
 Ion 92.00 (91.70 to 92.70): BF1

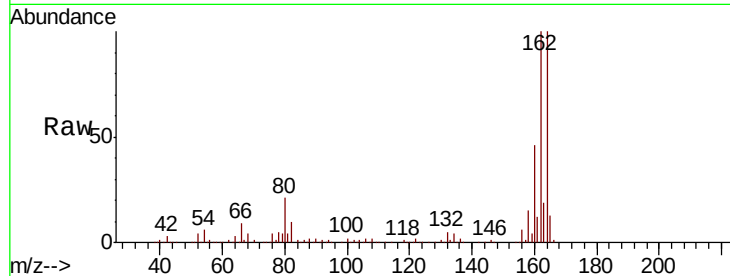




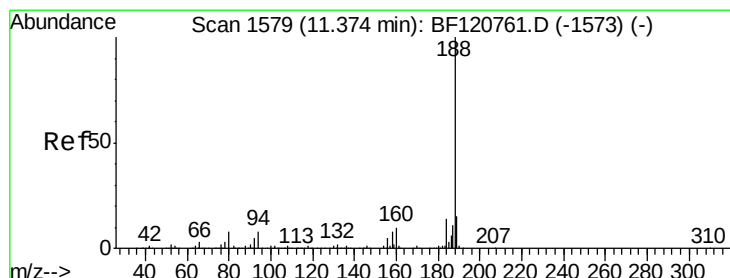
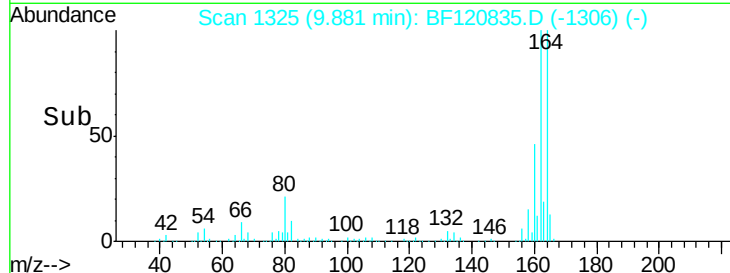
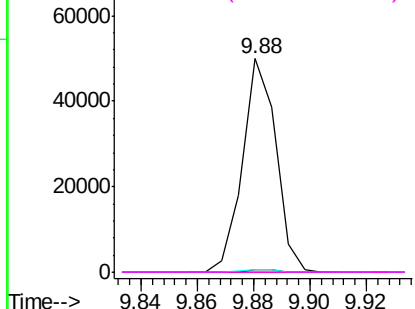
#57
 2,4-Dinitrotoluene
 Concen: 9.699 ng
 RT: 9.88 min Scan# 1325
 Delta R.T. -0.19 min
 Lab File: BF120835.D
 Acq: 10 Jul 2020 17:07

Instrument :
 BNA_F
 ClientSampleId :
 20200415-FIELD-BLANK

Tot Ion:165 Resp: 41070
 Ion Ratio Lower Upper
 165 100
 63 1.0 43.8 65.8#
 89 1.2 71.4 107.2#
 182 0.0 1.8 2.6#

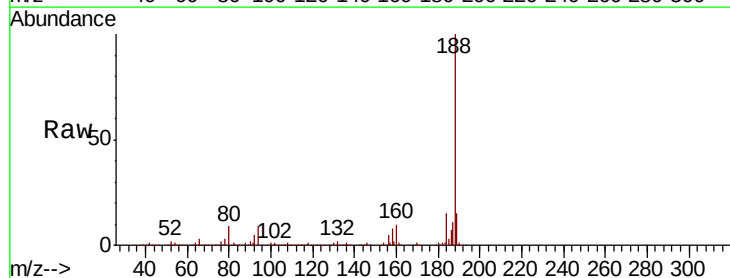


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1
 Ion 182.00 (181.70 to 182.70): E

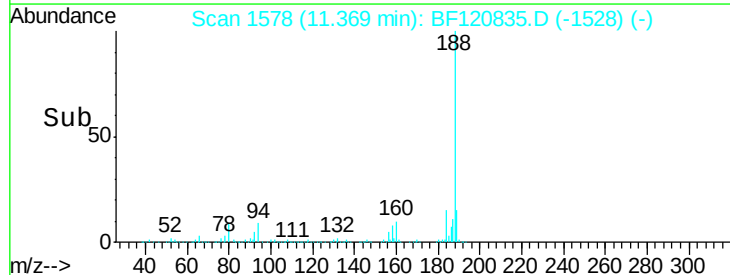
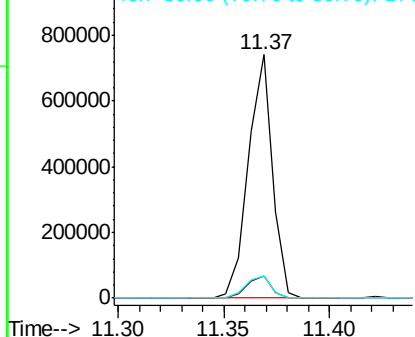


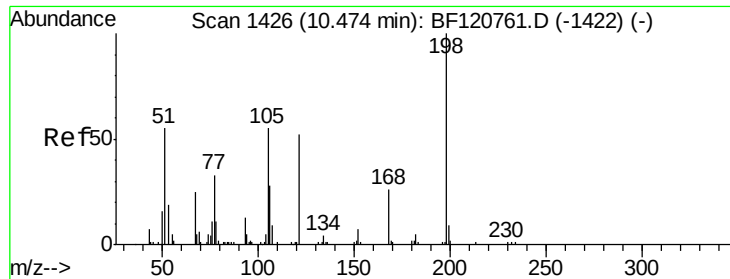
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.37 min Scan# 1578
 Delta R.T. -0.01 min
 Lab File: BF120835.D
 Acq: 10 Jul 2020 17:07

Tgt Ion:188 Resp: 589615
 Ion Ratio Lower Upper
 188 100
 94 9.2 6.6 9.8
 80 9.2 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





#65

4,6-Dinitro-2-methylphenol

Concen: 7.326 ng

RT: 10.67 min Scan# 1459

Delta R.T. 0.19 min

Lab File: BF120835.D

Acq: 10 Jul 2020 17:07

Instrument :

BNA_F

ClientSampleId :

20200415-FIELD-BLANK

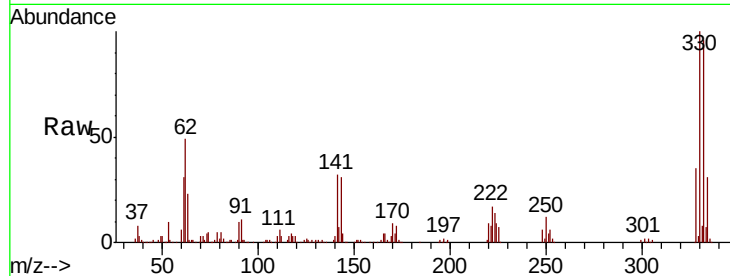
Tot Ion:198 Resp: 924

Ion Ratio Lower Upper

198 100

51 173.1 50.0 90.0#

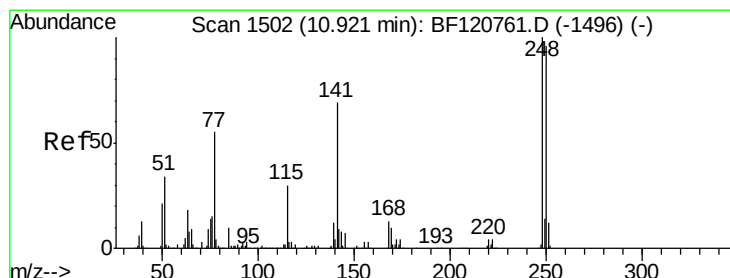
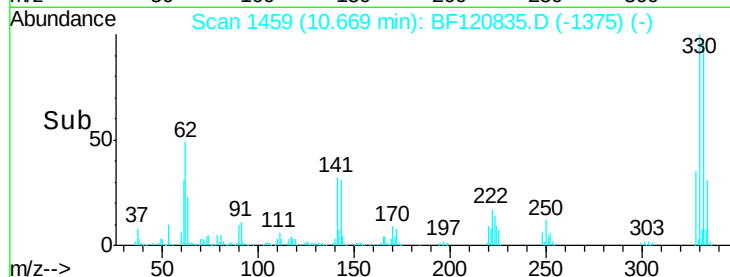
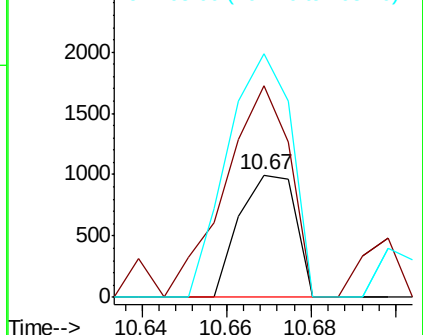
105 198.9 38.3 78.3#



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



#67

4-Bromophenyl-phenylether

Concen: 3.296 ng

RT: 10.67 min Scan# 1459

Delta R.T. -0.25 min

Lab File: BF120835.D

Acq: 10 Jul 2020 17:07

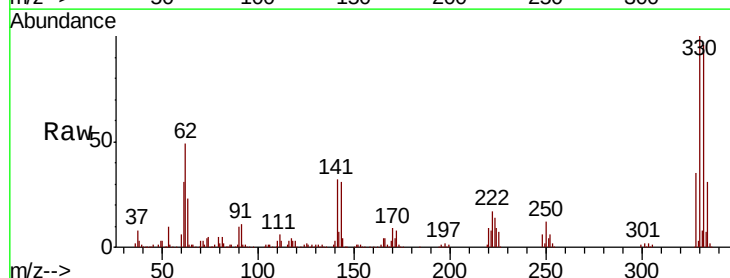
Tgt Ion:248 Resp: 22540

Ion Ratio Lower Upper

248 100

250 207.7 76.5 114.7#

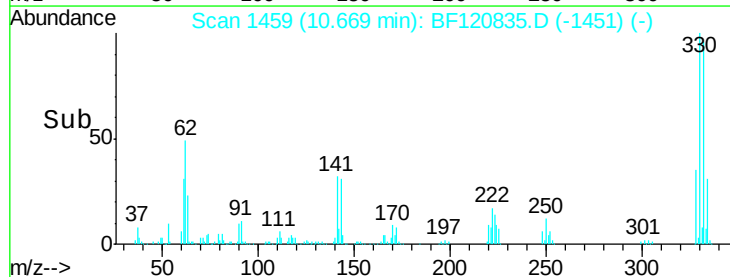
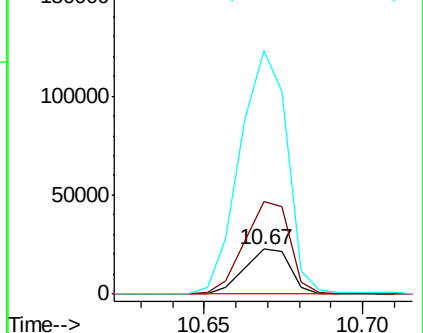
141 544.8 54.9 82.3#

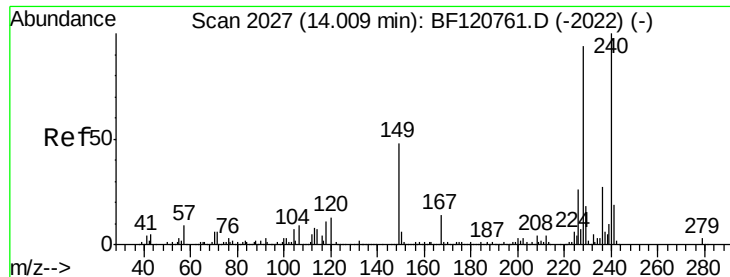


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

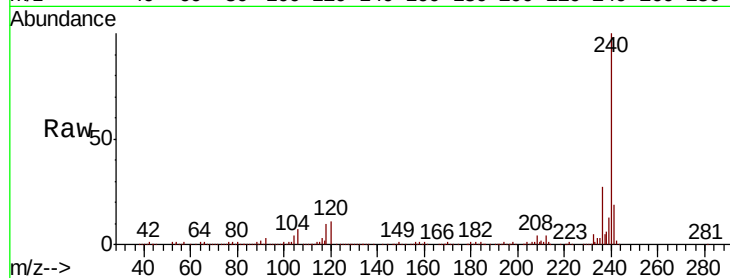




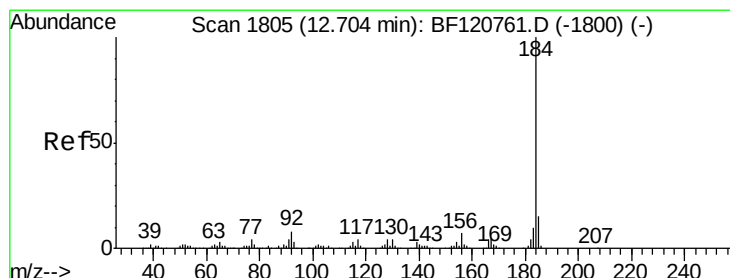
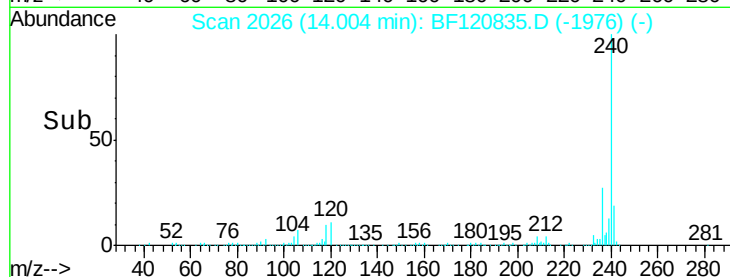
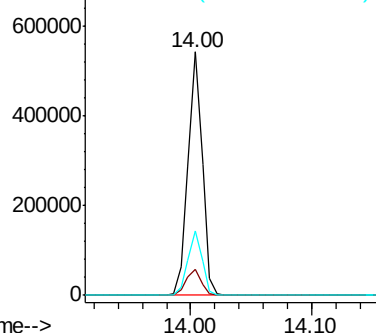
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.00 min Scan# 2026
 Delta R.T. -0.01 min
 Lab File: BF120835.D
 Acq: 10 Jul 2020 17:07

Instrument :
 BNA_F
 ClientSampleId :
 20200415-FIELD-BLANK

Tot Ion:240 Resp: 437699
 Ion Ratio Lower Upper
 240 100
 120 10.9 10.3 15.5
 236 26.7 21.4 32.2

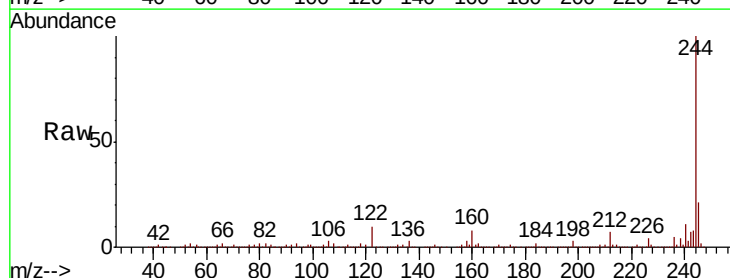


Abundance Ion 240.00 (239.70 to 240.70): E
 Ion 120.00 (119.70 to 120.70): E
 Ion 236.00 (235.70 to 236.70): E

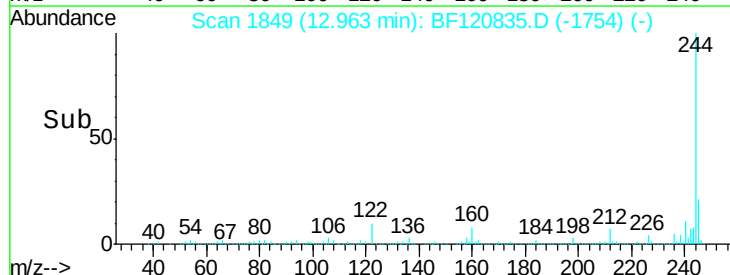
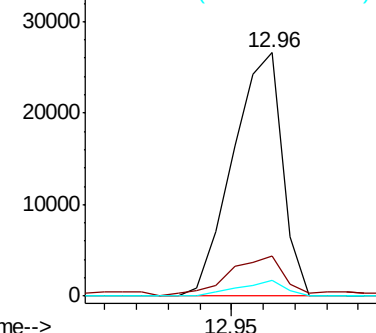


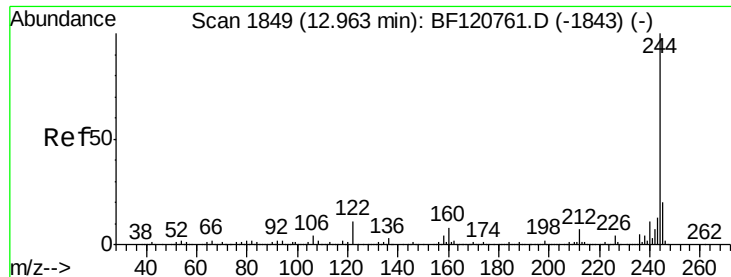
#77
 Benzidine
 Concen: 2.337 ng
 RT: 12.96 min Scan# 1849
 Delta R.T. 0.26 min
 Lab File: BF120835.D
 Acq: 10 Jul 2020 17:07

Tgt Ion:184 Resp: 28873
 Ion Ratio Lower Upper
 184 100
 185 16.5 11.8 17.8
 183 6.7 8.3 12.5#



Abundance Ion 184.00 (183.70 to 184.70): E
 Ion 185.00 (184.70 to 185.70): E
 Ion 183.00 (182.70 to 183.70): E





#79

Terphenyl-d14

Concen: 88.504 ng

RT: 12.96 min Scan# 1849

Delta R.T. 0.00 min

Lab File: BF120835.D

Acq: 10 Jul 2020 17:07

Instrument :

BNA_F

ClientSampleId :

20200415-FIELD-BLANK

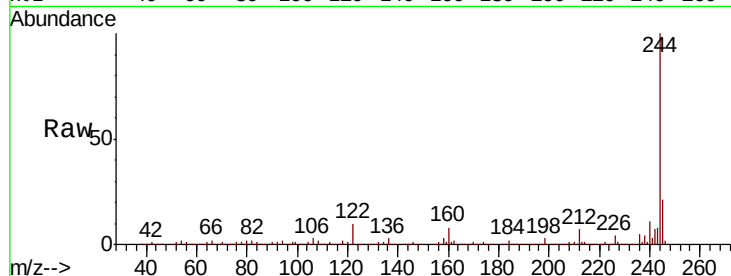
Tot Ion:244 Resp: 1978559

Ion Ratio Lower Upper

244 100

212 7.1 5.6 8.4

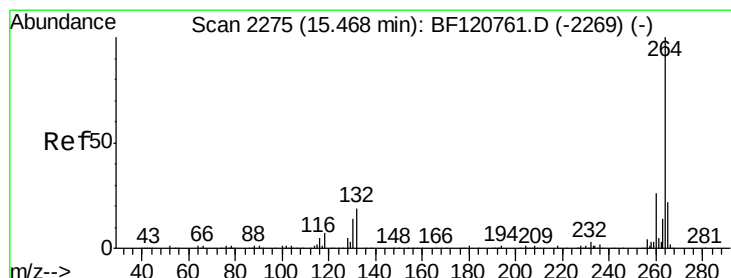
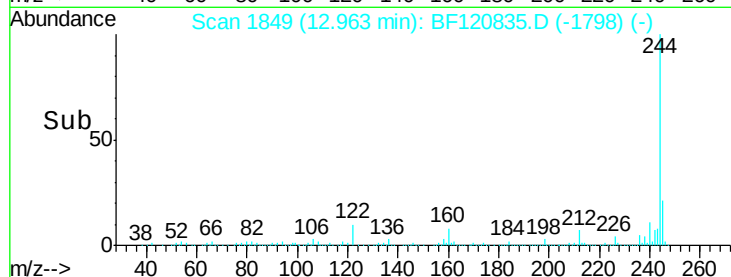
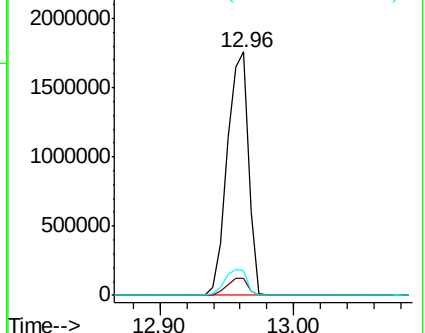
122 10.2 9.0 13.4



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# 2274

Delta R.T. -0.01 min

Lab File: BF120835.D

Acq: 10 Jul 2020 17:07

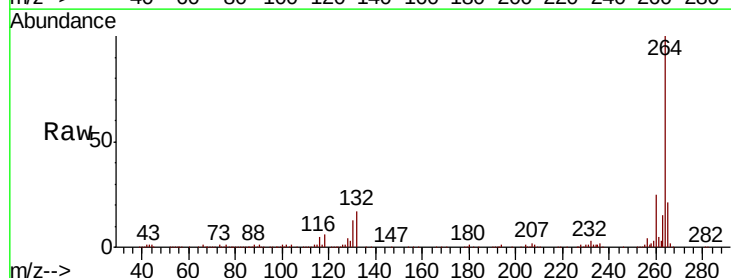
Tgt Ion:264 Resp: 315671

Ion Ratio Lower Upper

264 100

260 24.7 20.6 30.8

265 21.1 17.6 26.4



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

