

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070720\
 Data File : BF120801.D
 Acq On : 7 Jul 2020 23:37
 Operator : JU/CG
 Sample : PB130002TB
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB130002TB

Quant Time: Jul 08 01:17:55 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	150755	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	580591	20.00	ng	0.00
39) Acenaphthene-d10	9.88	164	290571	20.00	ng	0.00
64) Phenanthrene-d10	11.37	188	536073	20.00	ng	0.00
76) Chrysene-d12	14.00	240	363181	20.00	ng	0.00
86) Perylene-d12	15.46	264	286848	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.46	112	1144894	117.23	ng	0.00
7) Phenol-d6	6.47	99	1405017	112.66	ng	0.00
23) Nitrobenzene-d5	7.41	82	878485	87.66	ng	0.00
42) 2,4,6-Tribromophenol	10.67	330	328579	112.56	ng	0.00
45) 2-Fluorobiphenyl	9.21	172	1516573	78.96	ng	0.00
79) Terphenyl-d14	12.96	244	1733373	93.45	ng	0.00

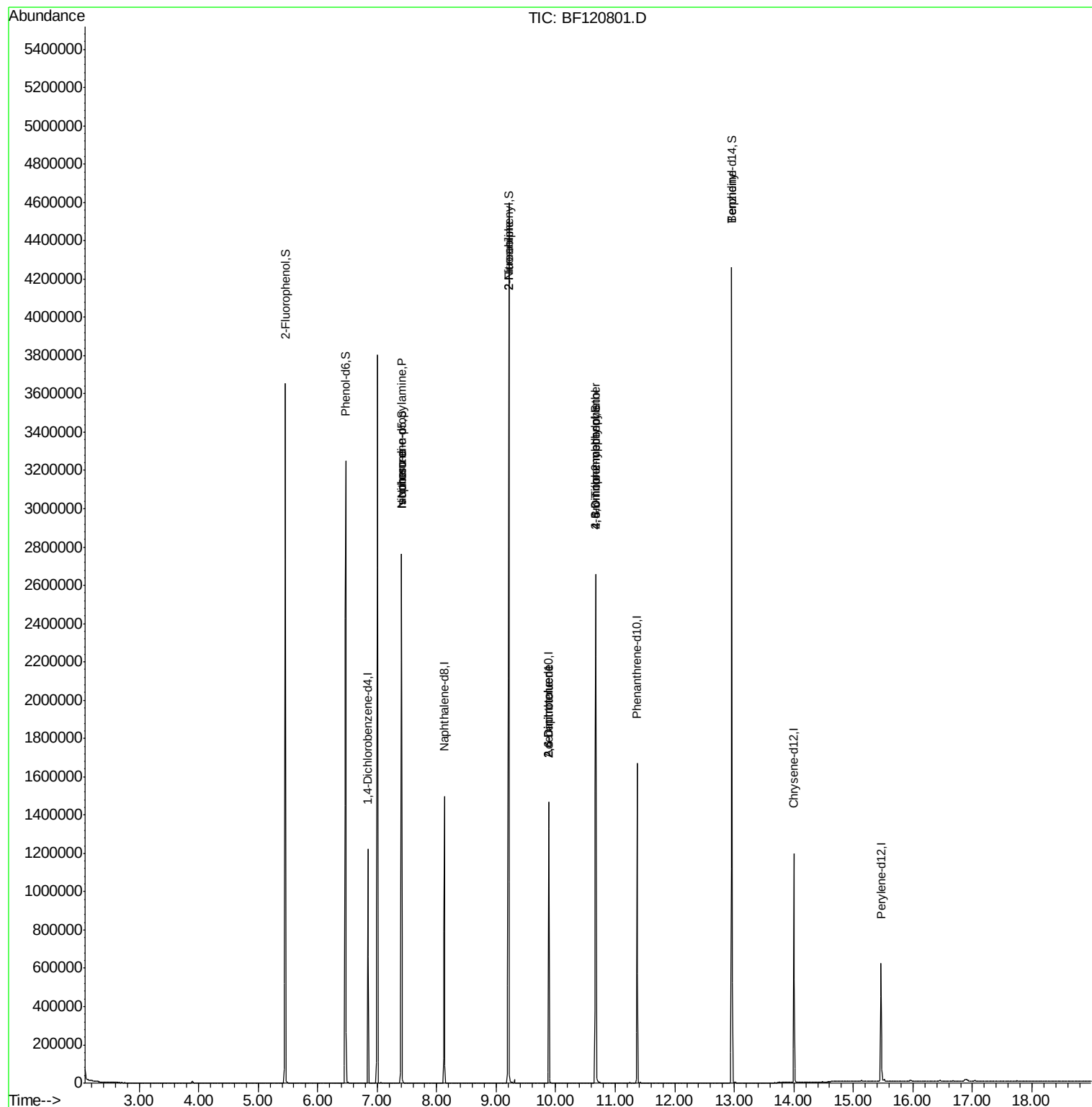
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.41	70	119705	15.941	ng	# 76
25) Isophorone	7.41	82	878186	40.636	ng	# 64
48) 2-Nitroaniline	9.20	65	2665	3.068	ng	# 1
51) 2,6-Dinitrotoluene	9.88	165	36976	10.638	ng	# 17
57) 2,4-Dinitrotoluene	9.88	165	36976	9.670	ng	# 15
65) 4,6-Dinitro-2-methylphenol	10.67	198	832	7.323	ng	# 23
67) 4-Bromophenyl-phenylether	10.67	248	19537	3.142	ng	# 1
77) Benzidine	12.96	184	25538	2.491	ng	# 94

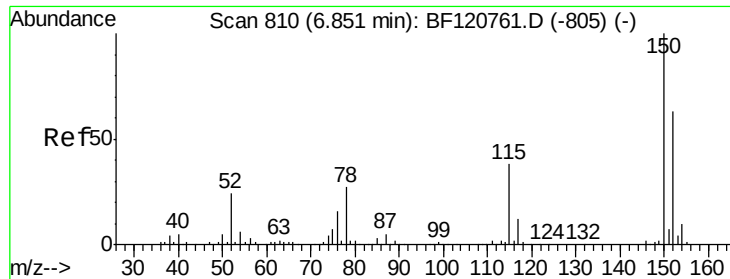
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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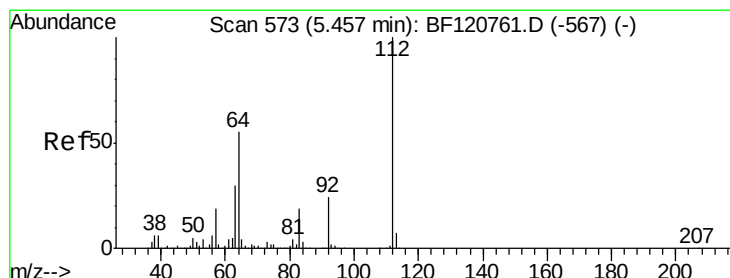
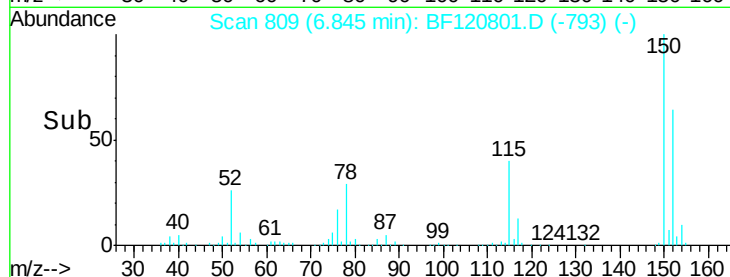
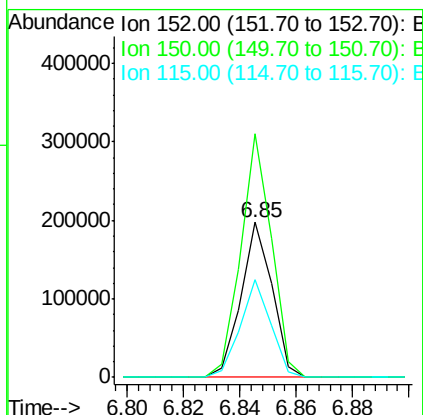
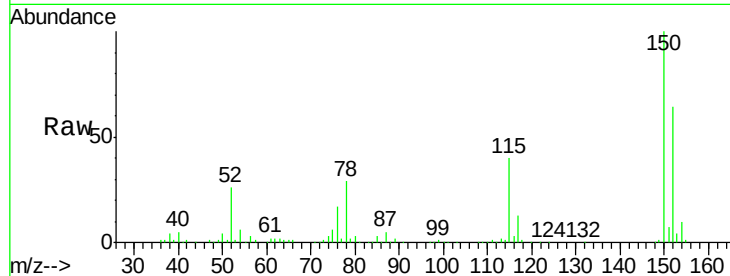


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 809
Delta R.T. -0.01 min
Lab File: BF120801.D
Acq: 7 Jul 2020 23:37

Instrument :
BNA_F
ClientSampleId :
PB130002TB

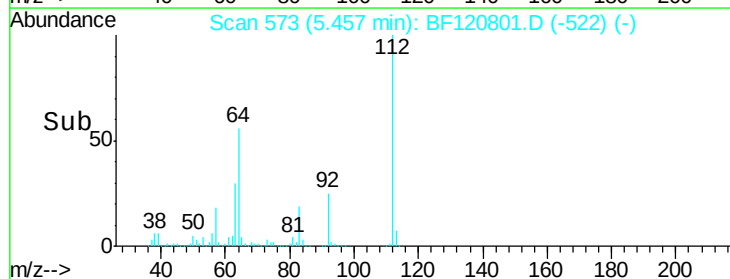
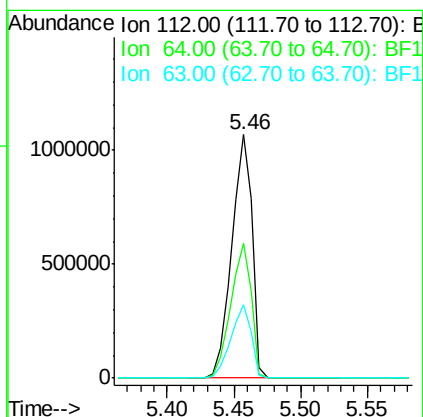
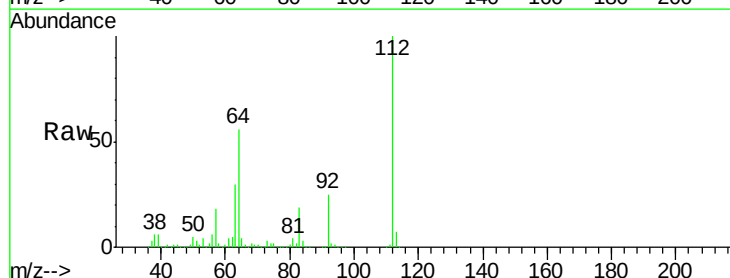
Tot Ion:152 Resp: 150755
Ion Ratio Lower Upper
152 100
150 157.3 126.1 189.1
115 63.4 48.5 72.7

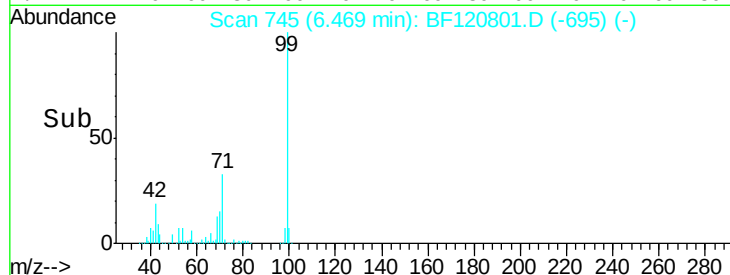
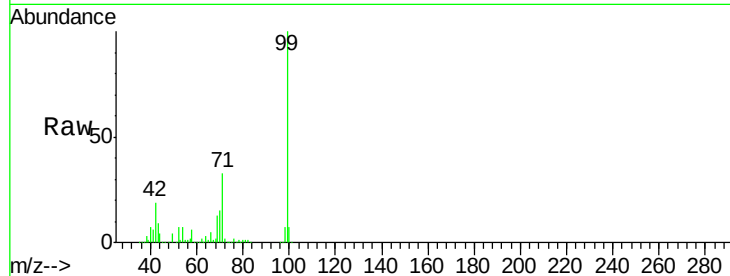
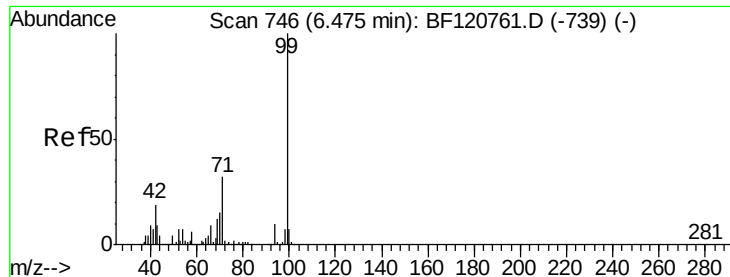


#5

2-Fluorophenol
Concen: 117.231 ng
RT: 5.46 min Scan# 573
Delta R.T. 0.00 min
Lab File: BF120801.D
Acq: 7 Jul 2020 23:37

Tgt Ion:112 Resp: 1144894
Ion Ratio Lower Upper
112 100
64 55.6 43.8 65.6
63 29.9 23.6 35.4





#7

Phenol-d6

Concen: 112.656 ng

RT: 6.47 min Scan# 745

Delta R.T. -0.01 min

Lab File: BF120801.D

Acq: 7 Jul 2020 23:37

Instrument :

BNA_F

ClientSampleId :

PB130002TB

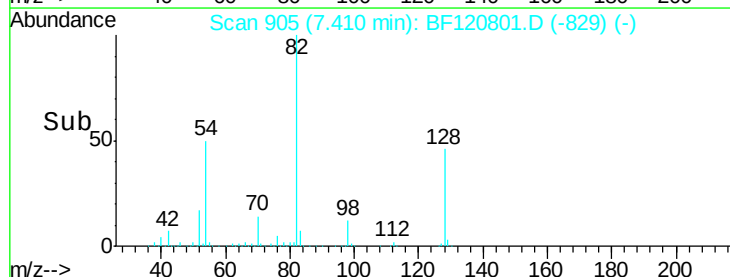
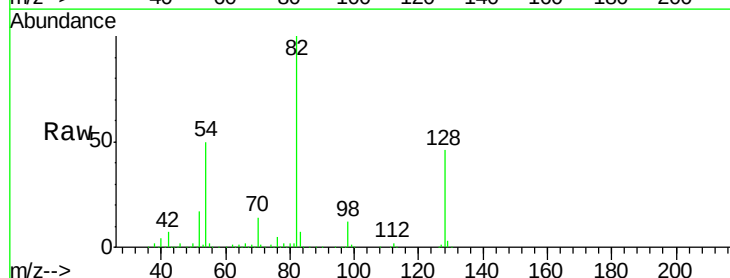
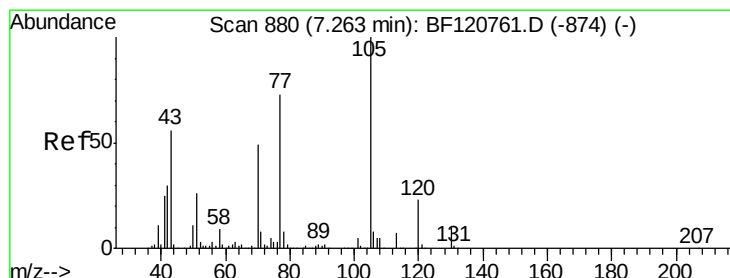
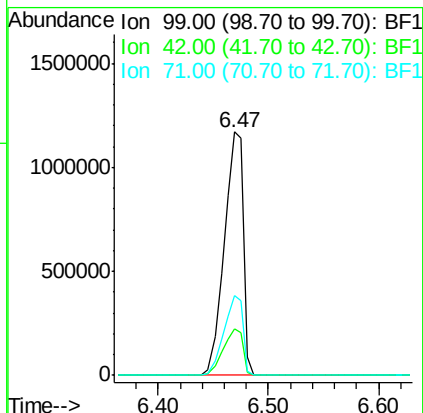
Tot Ion: 99 Resp: 1405017

Ion Ratio Lower Upper

99 100

42 18.8 15.4 23.0

71 32.6 25.9 38.9



#19

n-Nitroso-di-n-propylamine

Concen: 15.941 ng

RT: 7.41 min Scan# 905

Delta R.T. 0.15 min

Lab File: BF120801.D

Acq: 7 Jul 2020 23:37

Tgt Ion: 70 Resp: 119705

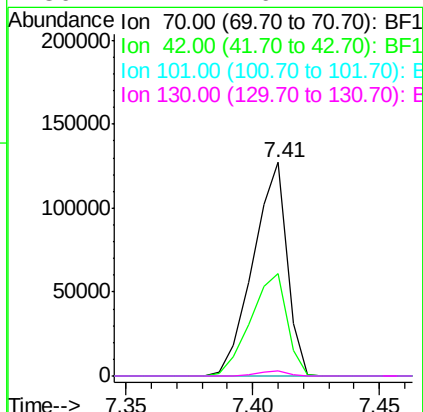
Ion Ratio Lower Upper

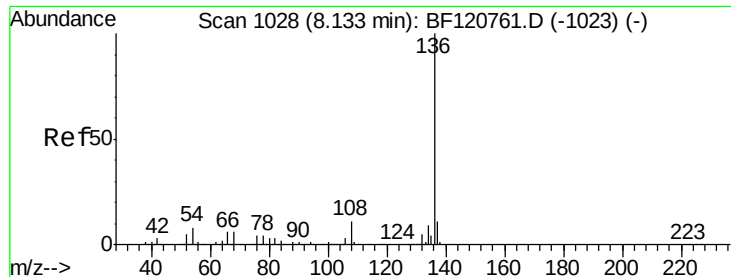
70 100

42 48.1 50.3 75.5#

101 0.0 7.5 11.3#

130 2.2 16.1 24.1#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.13 min Scan# 1027

Delta R.T. -0.01 min

Lab File: BF120801.D

Acq: 7 Jul 2020 23:37

Instrument :

BNA_F

ClientSampled :

PB130002TB

Tot Ion:136 Resp: 580591

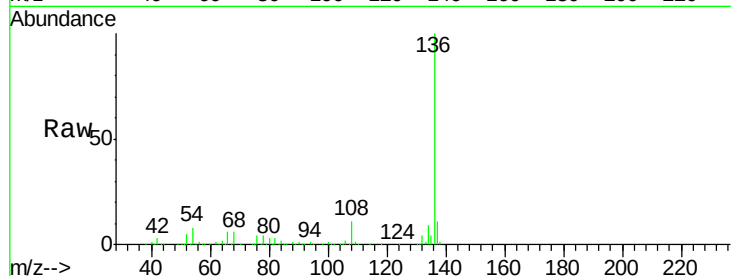
Ion Ratio Lower Upper

136 100

137 11.1 9.0 13.6

54 7.7 6.2 9.4

68 5.6 4.7 7.1

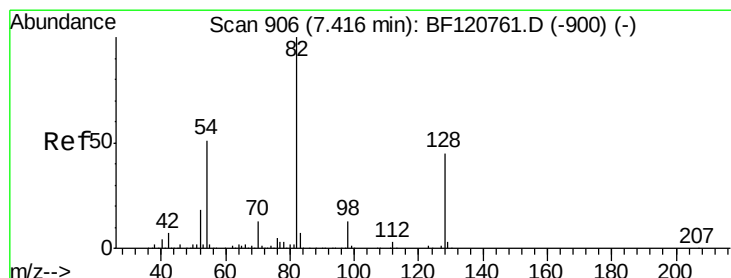
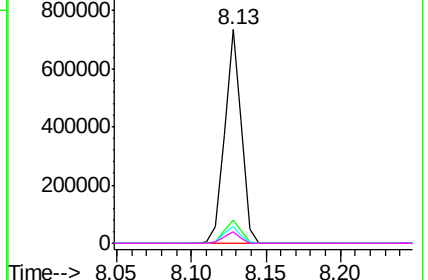
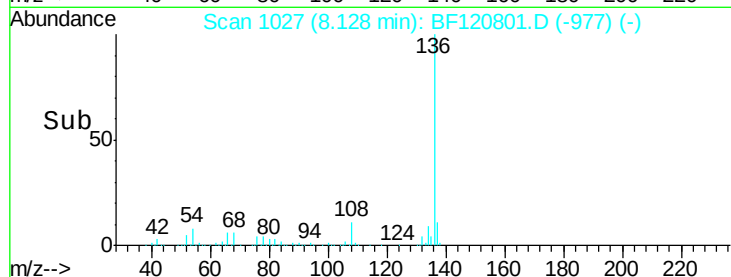


Abundance Ion 136.00 (135.70 to 136.70): E

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: 87.665 ng

RT: 7.41 min Scan# 905

Delta R.T. -0.01 min

Lab File: BF120801.D

Acq: 7 Jul 2020 23:37

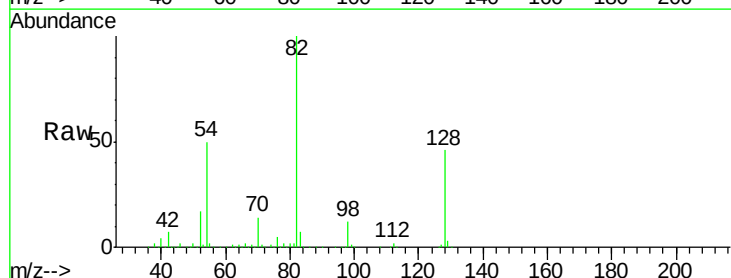
Tgt Ion: 82 Resp: 878485

Ion Ratio Lower Upper

82 100

128 45.9 35.7 53.5

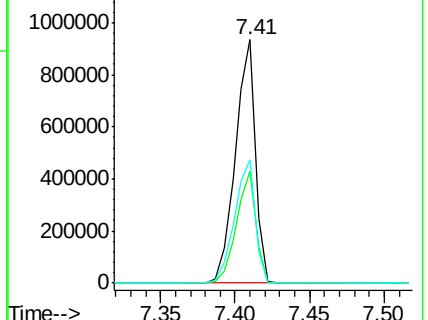
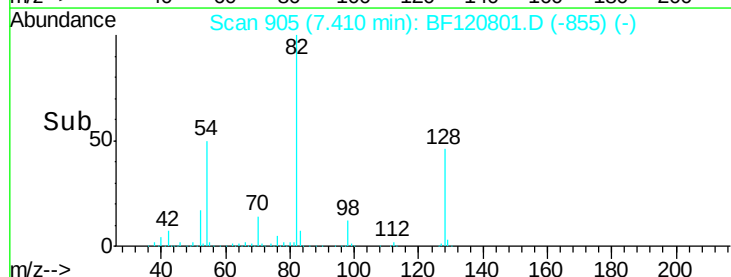
54 50.5 40.9 61.3

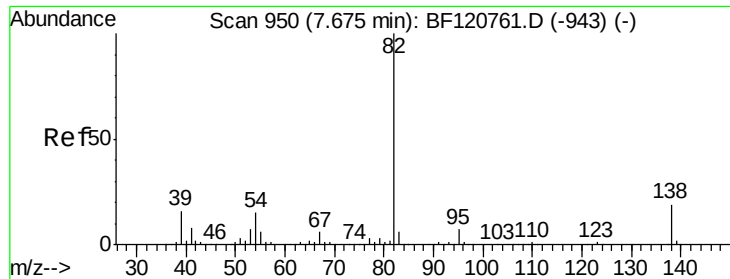


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 40.636 ng

RT: 7.41 min Scan# 905

Delta R.T. -0.26 min

Lab File: BF120801.D

Acq: 7 Jul 2020 23:37

Instrument :

BNA_F

ClientSampleId :

PB130002TB

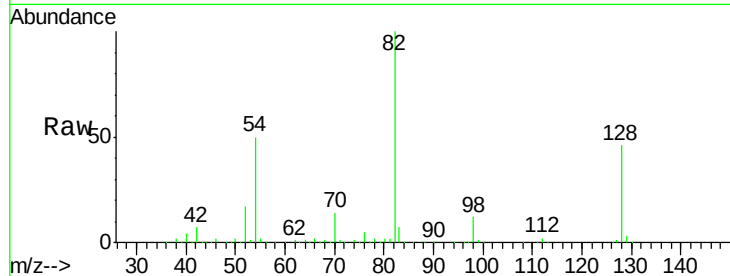
Tot Ion: 82 Resp: 878186

Ion Ratio Lower Upper

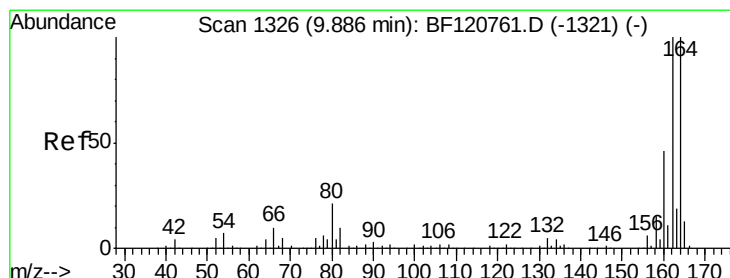
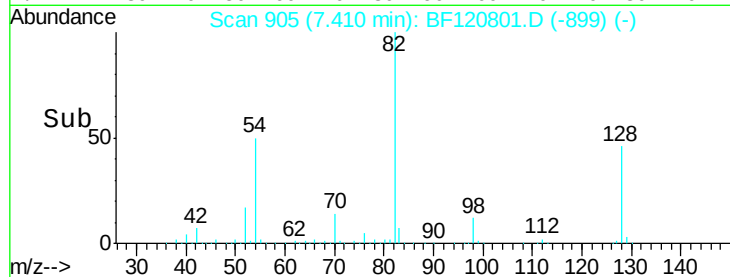
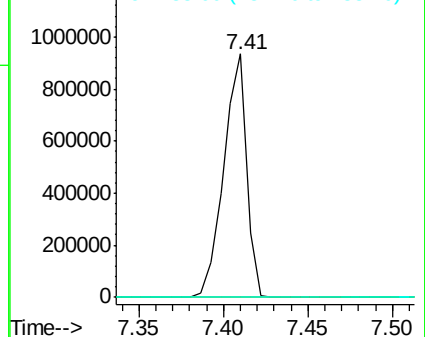
82 100

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: BF120801.D

Acq: 7 Jul 2020 23:37

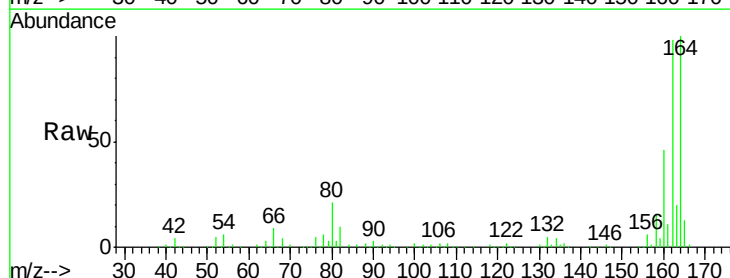
Tgt Ion: 164 Resp: 290571

Ion Ratio Lower Upper

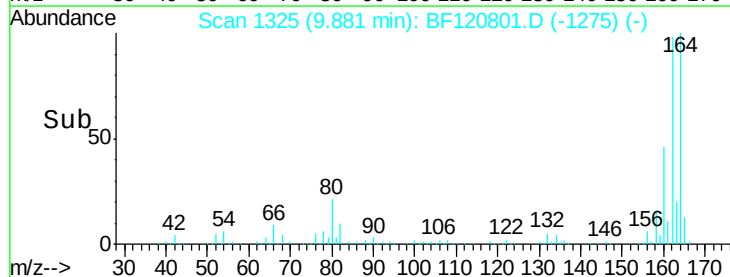
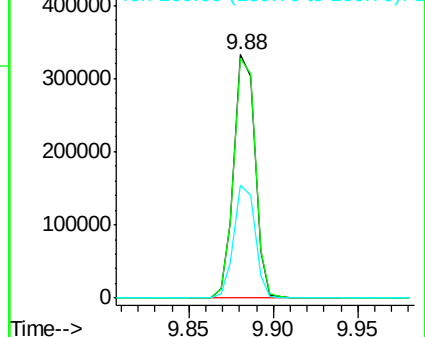
164 100

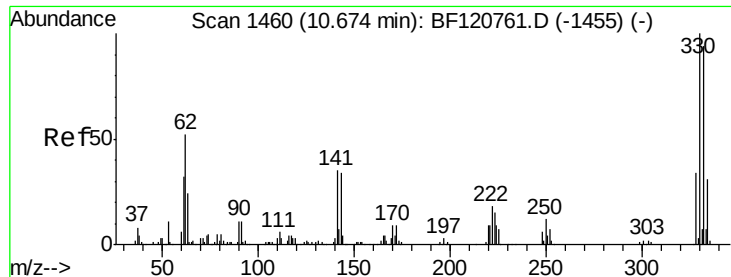
162 98.2 80.2 120.2

160 46.3 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: 112.558 ng

RT: 10.67 min Scan# 1460

Delta R.T. 0.00 min

Lab File: BF120801.D

Acq: 7 Jul 2020 23:37

Instrument :

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ClientSampleId :

PB130002TB

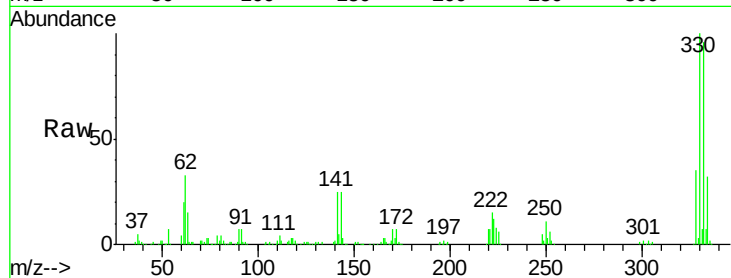
Tot Ion:330 Resp: 328579

Ion Ratio Lower Upper

330 100

332 96.2 75.8 113.6

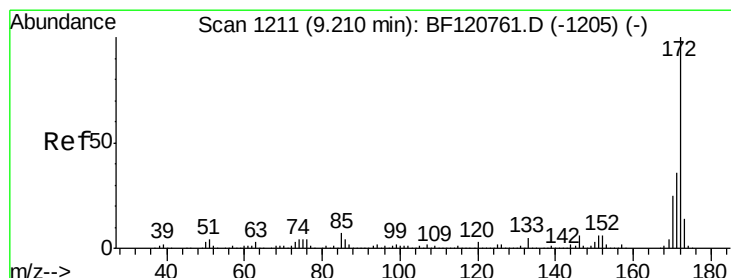
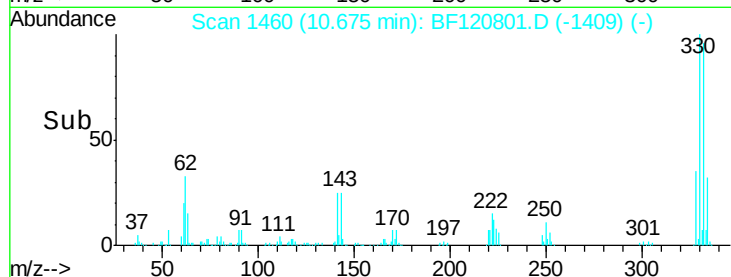
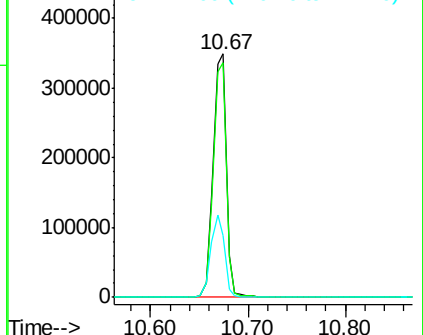
141 35.0 29.7 44.5



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: 78.965 ng

RT: 9.21 min Scan# 1211

Delta R.T. 0.00 min

Lab File: BF120801.D

Acq: 7 Jul 2020 23:37

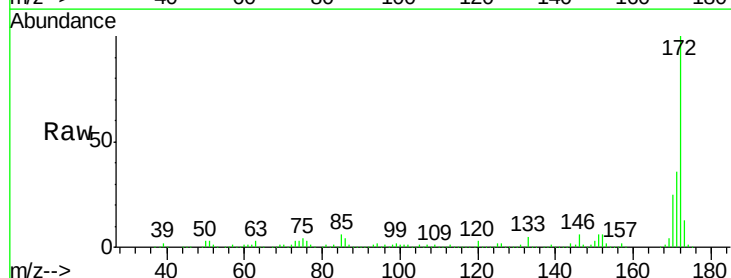
Tgt Ion:172 Resp: 1516573

Ion Ratio Lower Upper

172 100

171 36.0 29.1 43.7

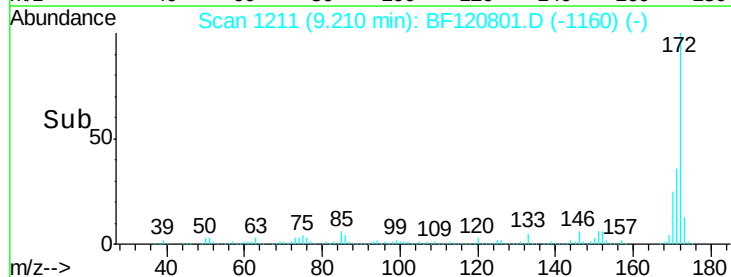
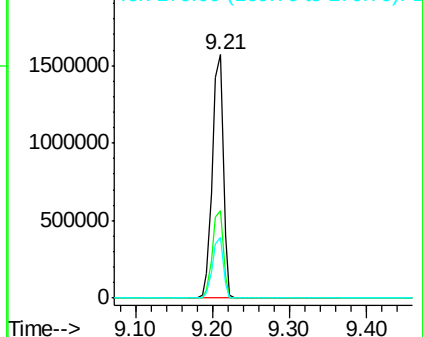
170 24.7 19.8 29.6

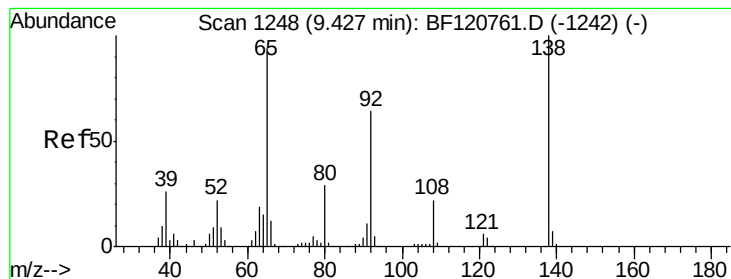


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#48

2-Nitroaniline

Concen: 3.068 ng

RT: 9.20 min Scan# 1210

Delta R.T. -0.22 min

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PB130002TB

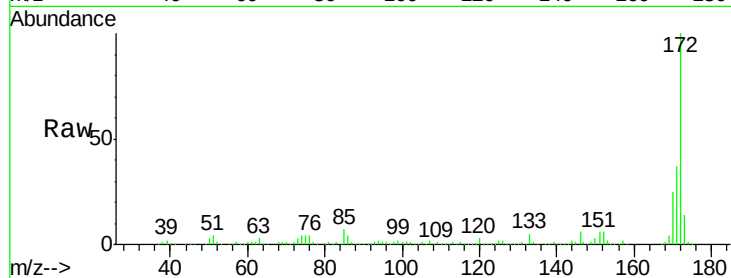
Tot Ion: 65 Resp: 2665

Ion Ratio Lower Upper

65 100

92 187.6 54.4 81.6#

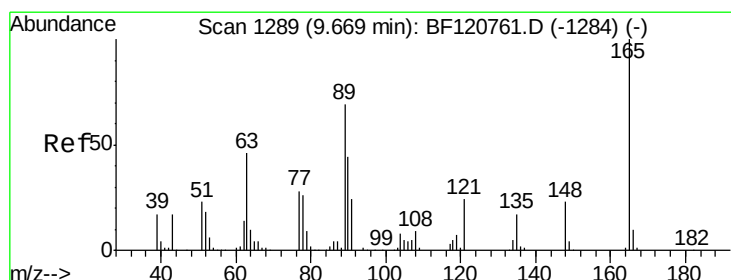
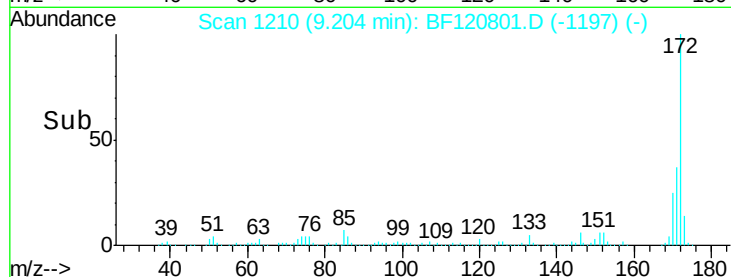
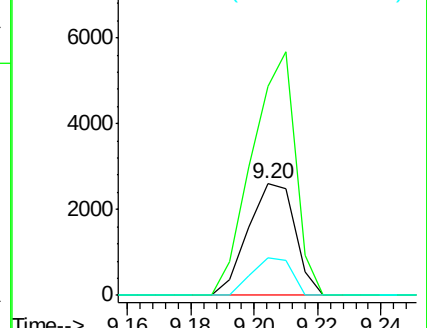
138 34.0 84.7 127.1#



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



#51

2,6-Dinitrotoluene

Concen: 10.638 ng

RT: 9.88 min Scan# 1325

Delta R.T. 0.21 min

Lab File: BF120801.D

Acq: 7 Jul 2020 23:37

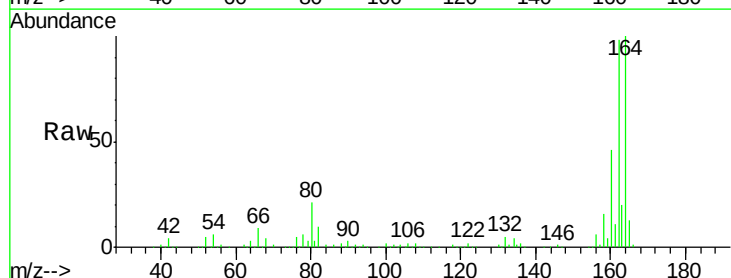
Tgt Ion: 165 Resp: 36976

Ion Ratio Lower Upper

165 100

63 1.2 54.0 81.0#

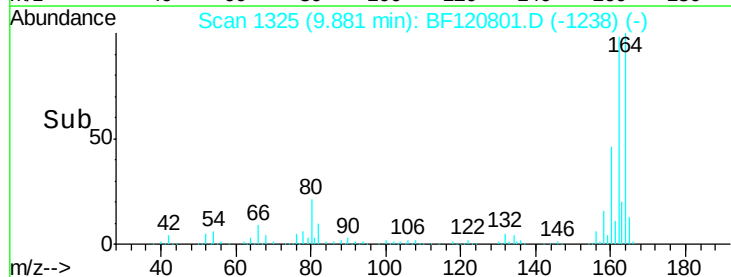
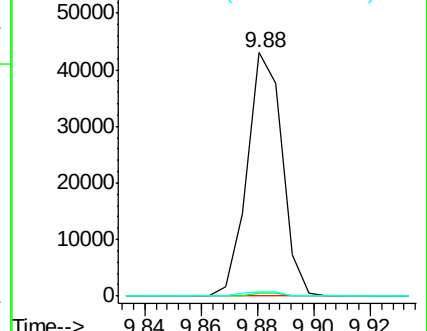
89 1.8 55.4 83.2#

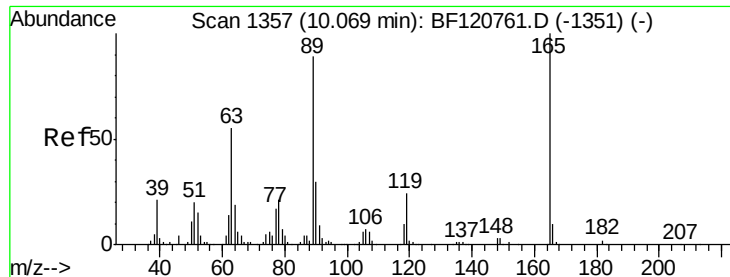


Abundance Ion 165.00 (164.70 to 165.70): BF1

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1





#57

2,4-Dinitrotoluene

Concen: 9.670 ng

RT: 9.88 min Scan# 1325

Delta R.T. -0.19 min

Lab File: BF120801.D

Acq: 7 Jul 2020 23:37

Instrument :

BNA_F

ClientSampleId :

PB130002TB

Tot Ion:165 Resp: 36976

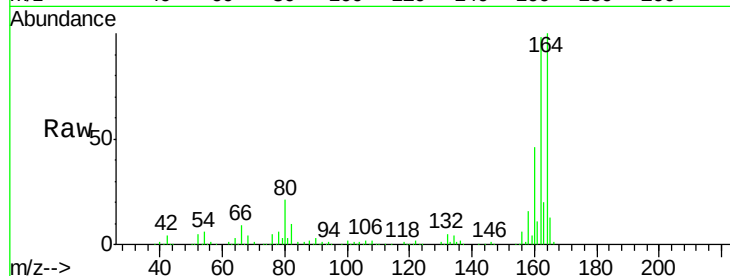
Ion Ratio Lower Upper

165 100

63 1.2 43.8 65.8#

89 1.8 71.4 107.2#

182 0.0 1.8 2.6#

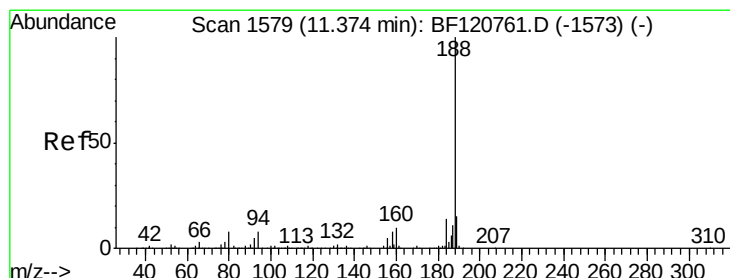
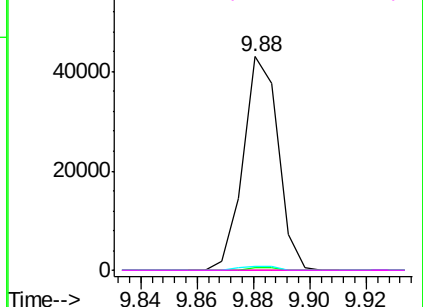
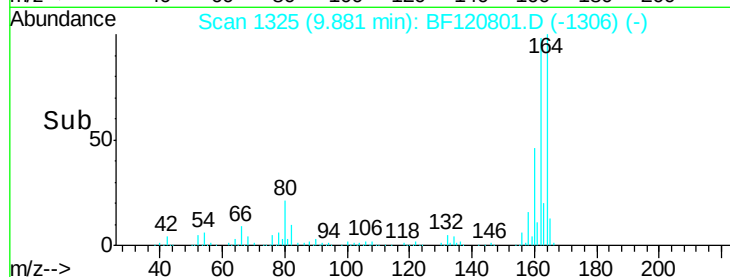


Abundance Ion 165.00 (164.70 to 165.70): E

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: BF120801.D

Acq: 7 Jul 2020 23:37

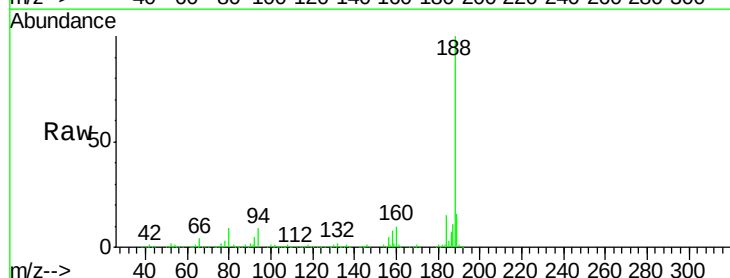
Tgt Ion:188 Resp: 536073

Ion Ratio Lower Upper

188 100

94 8.8 6.6 9.8

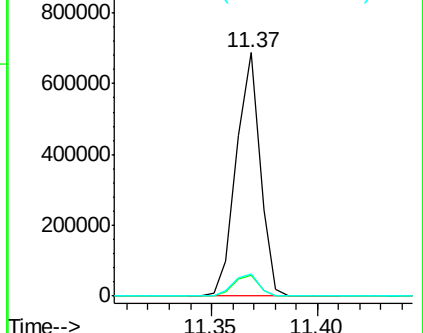
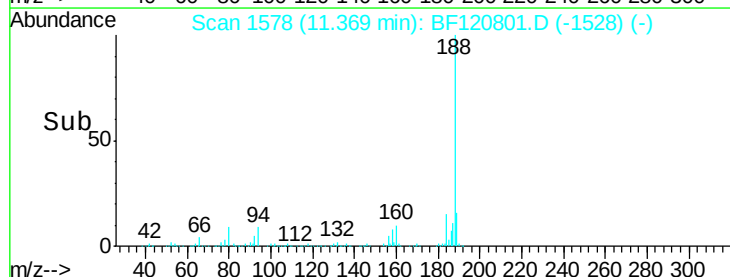
80 9.0 6.6 10.0

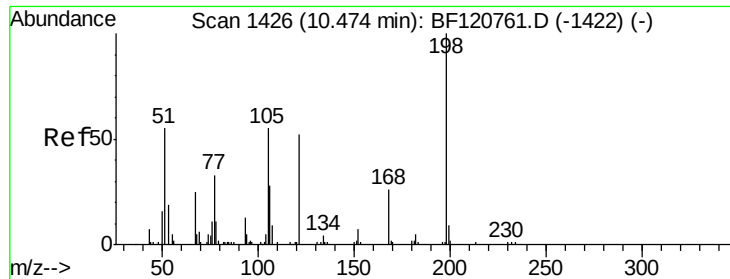


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

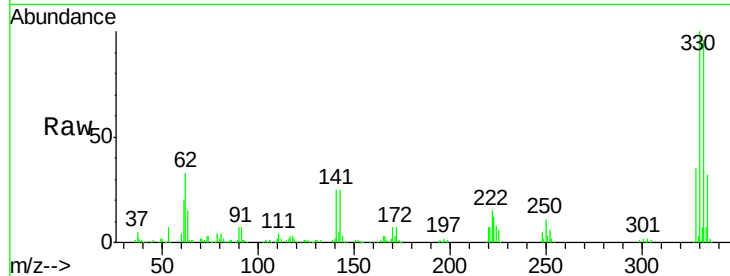




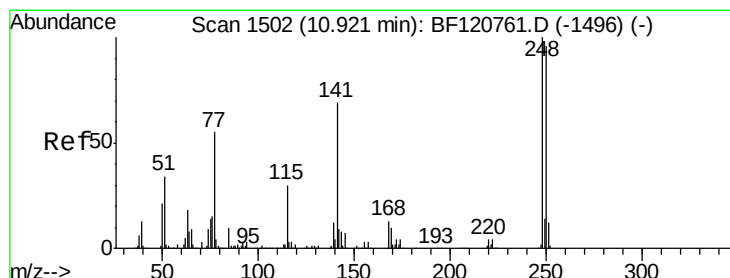
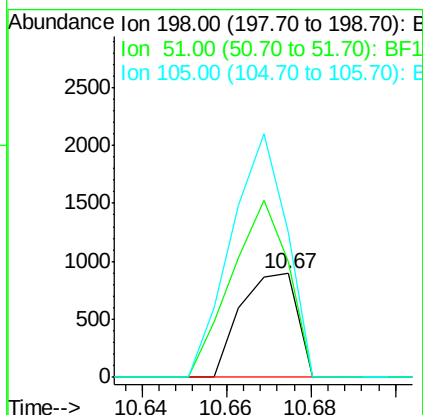
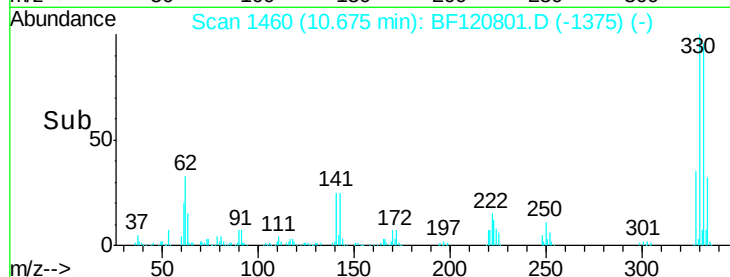
#65
 4,6-Dinitro-2-methylphenol
 Concen: 7.323 ng
 RT: 10.67 min Scan# 1460
 Delta R.T. 0.20 min
 Lab File: BF120801.D
 Acq: 7 Jul 2020 23:37

Instrument :
 BNA_F
 ClientSampleId :
 PB130002TB

Tot Ion:198 Resp: 832
 Ion Ratio Lower Upper
 198 100
 51 111.5 50.0 90.0#
 105 139.6 38.3 78.3#

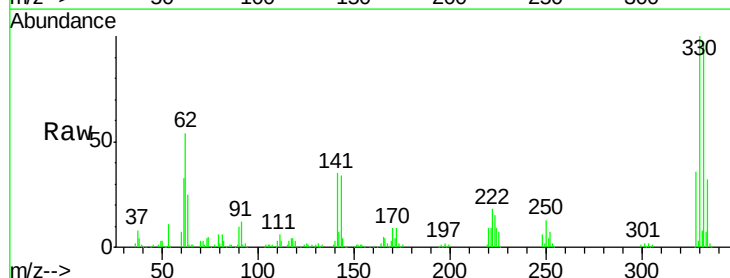


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

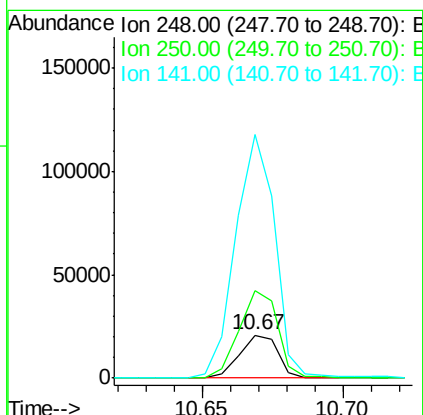
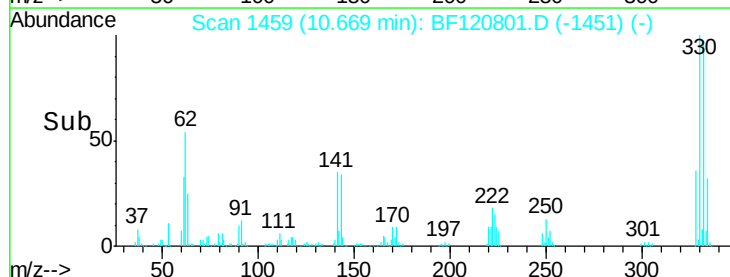


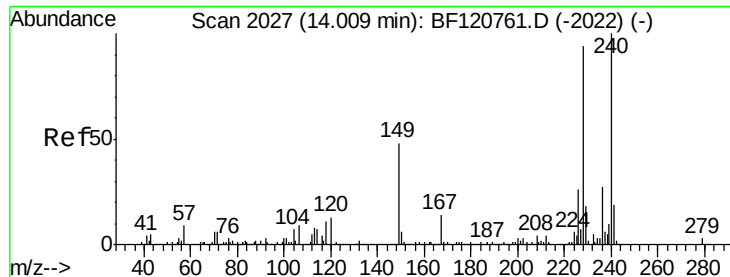
#67
 4-Bromophenyl-phenylether
 Concen: 3.142 ng
 RT: 10.67 min Scan# 1459
 Delta R.T. -0.25 min
 Lab File: BF120801.D
 Acq: 7 Jul 2020 23:37

Tgt Ion:248 Resp: 19537
 Ion Ratio Lower Upper
 248 100
 250 202.1 76.5 114.7#
 141 563.7 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: BF120801.D

Acq: 7 Jul 2020 23:37

Instrument :

BNA_F

ClientSampleId :

PB130002TB

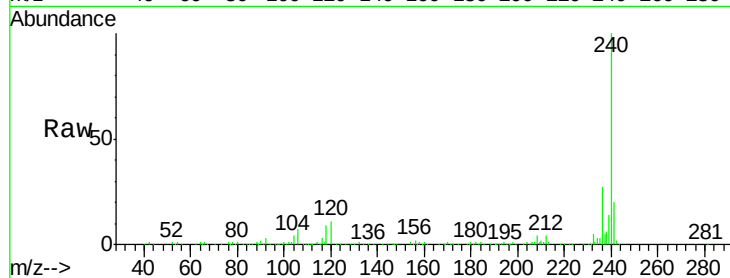
Tot Ion:240 Resp: 363181

Ion Ratio Lower Upper

240 100

120 10.7 10.3 15.5

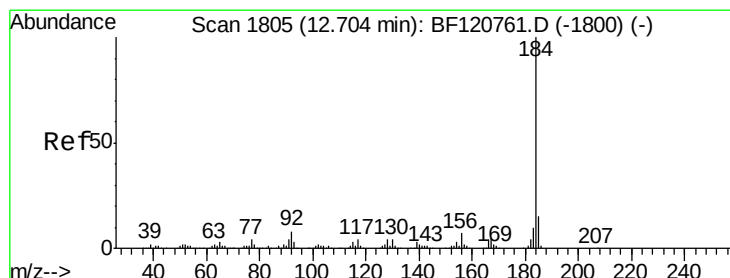
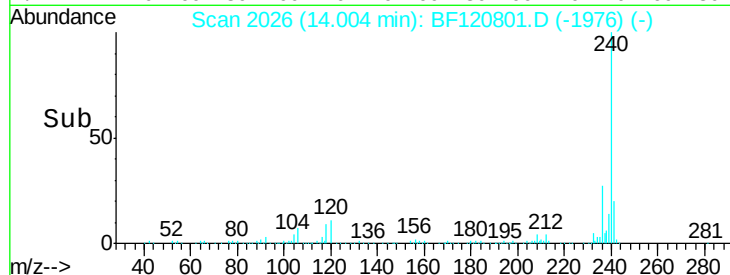
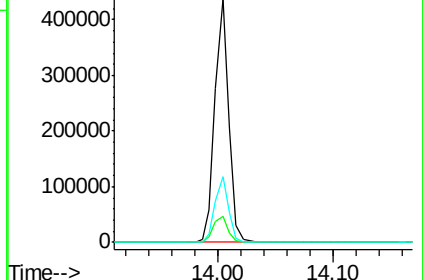
236 26.8 21.4 32.2



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: 2.491 ng

RT: 12.96 min Scan# 1848

Delta R.T. 0.25 min

Lab File: BF120801.D

Acq: 7 Jul 2020 23:37

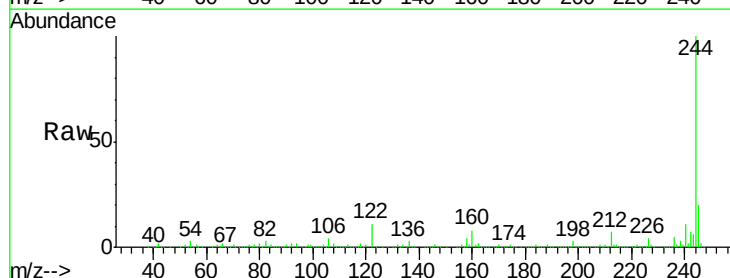
Tgt Ion:184 Resp: 25538

Ion Ratio Lower Upper

184 100

185 15.5 11.8 17.8

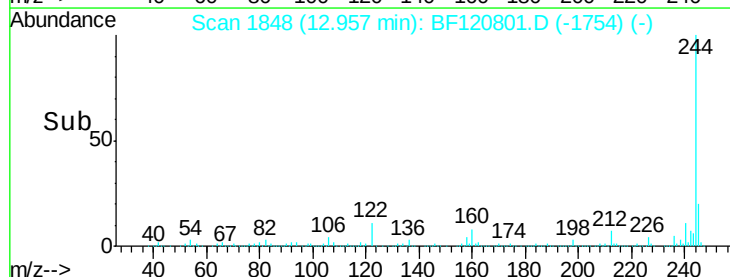
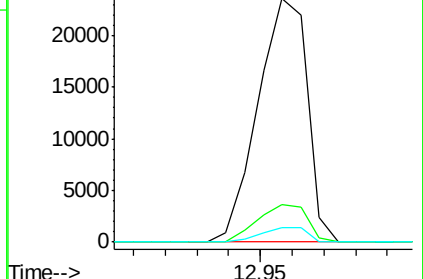
183 5.8 8.3 12.5#

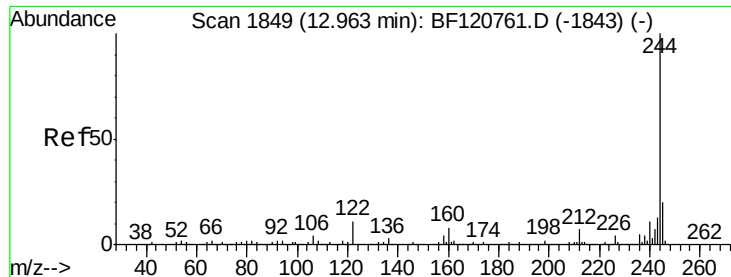


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#79

Terphenyl-d14

Concen: 93.445 ng

RT: 12.96 min Scan# 1848

Delta R.T. -0.01 min

Lab File: BF120801.D

Acq: 7 Jul 2020 23:37

Instrument :

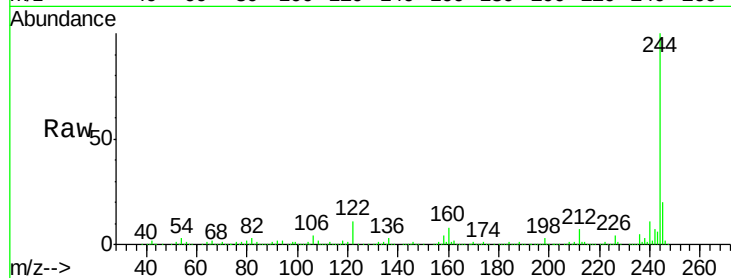
BNA_F

ClientSampleId :

PB130002TB

Tot Ion:244 Resp: 1733373

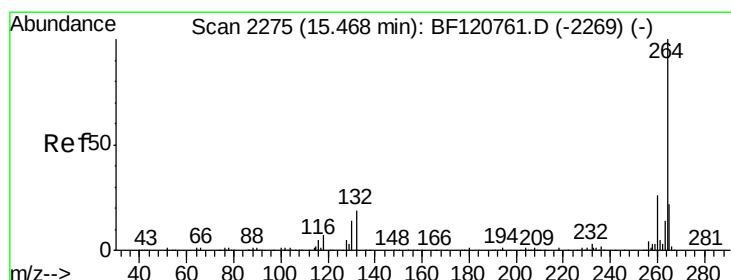
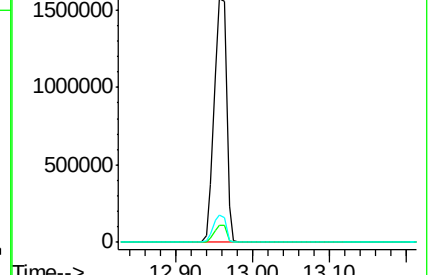
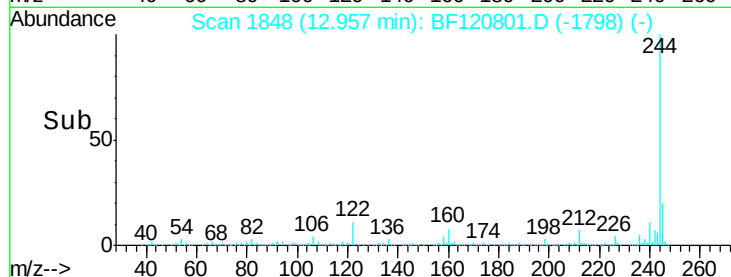
Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.6	8.4
122	11.4	9.0	13.4



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

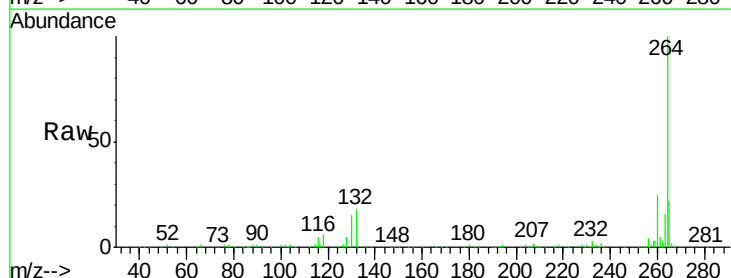
Delta R.T. -0.01 min

Lab File: BF120801.D

Acq: 7 Jul 2020 23:37

Tgt Ion:264 Resp: 286848

Ion	Ratio	Lower	Upper
264	100		
260	25.4	20.6	30.8
265	21.7	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

