

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071020\
 Data File : BF120820.D
 Acq On : 10 Jul 2020 9:18
 Operator : JU/CG
 Sample : PB129997BL
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB129997BL

Quant Time: Jul 10 10:59:29 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

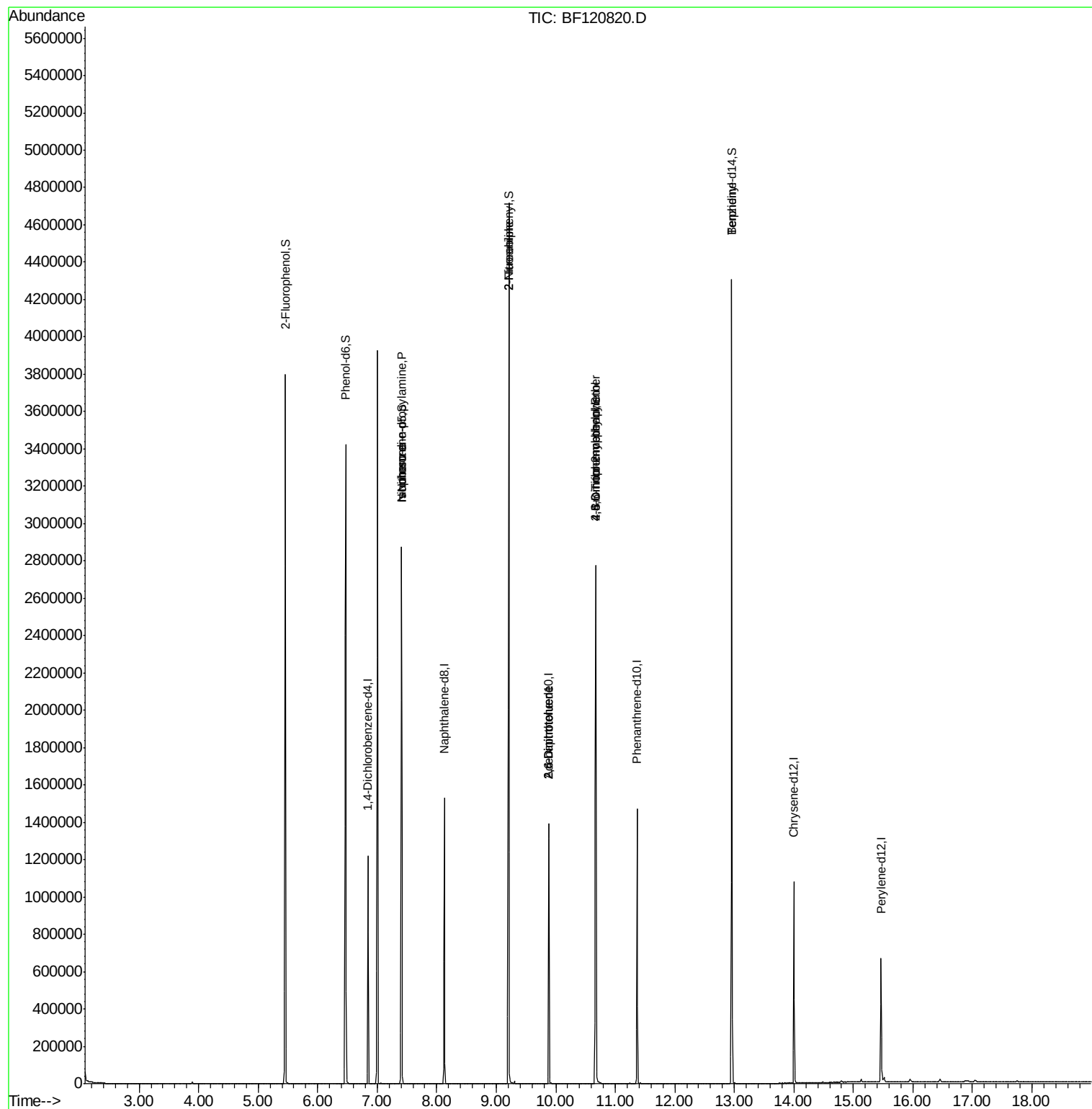
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	154418	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	570921	20.00	ng	0.00
39) Acenaphthene-d10	9.88	164	276562	20.00	ng	0.00
64) Phenanthrene-d10	11.37	188	492499	20.00	ng	0.00
76) Chrysene-d12	14.00	240	334636	20.00	ng	0.00
86) Perylene-d12	15.46	264	289303	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	1212148	121.17	ng	0.00
7) Phenol-d6	6.47	99	1456099	113.98	ng	0.00
23) Nitrobenzene-d5	7.41	82	903560	91.69	ng	0.00
42) 2,4,6-Tribromophenol	10.67	330	351712	126.58	ng	0.00
45) 2-Fluorobiphenyl	9.21	172	1532392	83.83	ng	0.00
79) Terphenyl-d14	12.96	244	1655158	96.84	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.41	70	120174	15.624	ng	# 77
25) Isophorone	7.41	82	901552	42.424	ng	# 64
48) 2-Nitroaniline	9.21	65	2579	3.075	ng	# 1
51) 2,6-Dinitrotoluene	9.88	165	34749	10.533	ng	# 17
57) 2,4-Dinitrotoluene	9.88	165	34749	9.586	ng	# 15
65) 4,6-Dinitro-2-methylphenol	10.67	198	879	7.370	ng	# 1
67) 4-Bromophenyl-phenylether	10.67	248	20659	3.616	ng	# 1
77) Benzidine	12.96	184	24464	2.590	ng	# 94

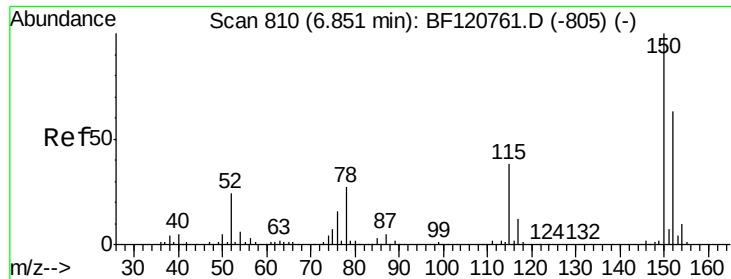
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071020\
Data File : BF120820.D
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Misc :
ALS Vial : 3 Sample Multiplier: 1

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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: BF120820.D

Acq: 10 Jul 2020 9:18

Instrument :

BNA_F

ClientSampleId :

PB129997BL

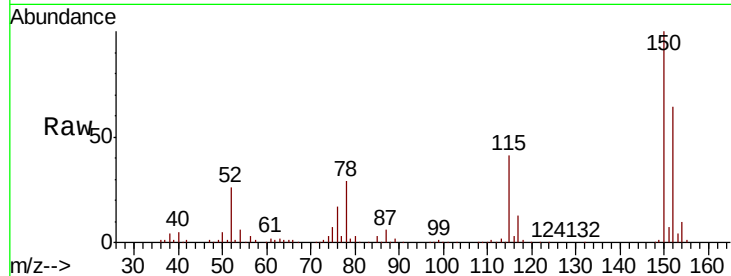
Tot Ion:152 Resp: 154418

Ion Ratio Lower Upper

152 100

150 156.6 126.1 189.1

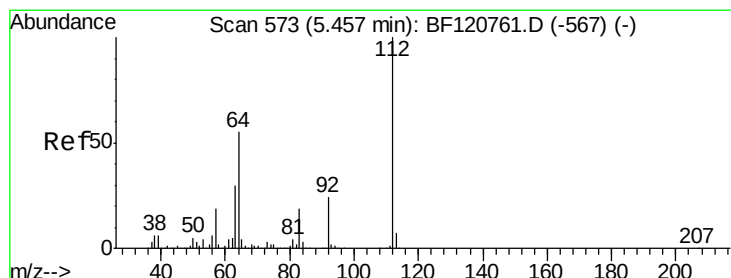
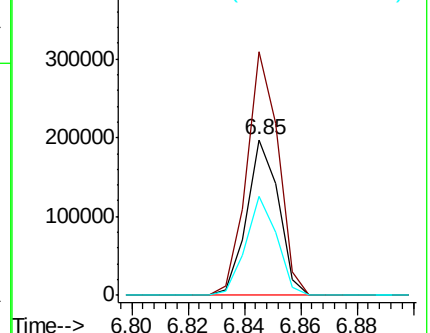
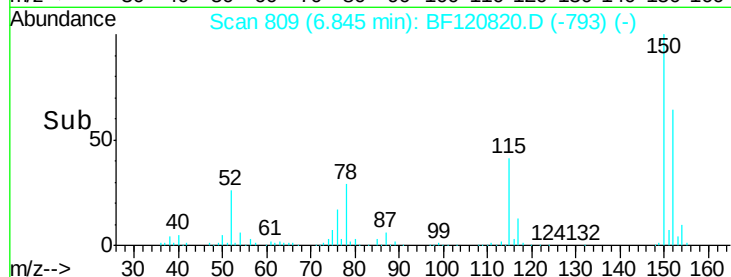
115 63.8 48.5 72.7



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: 121.173 ng

RT: 5.46 min Scan# 573

Delta R.T. -0.00 min

Lab File: BF120820.D

Acq: 10 Jul 2020 9:18

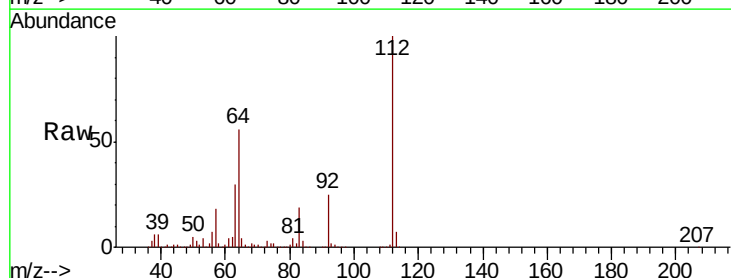
Tgt Ion:112 Resp: 1212148

Ion Ratio Lower Upper

112 100

64 55.7 43.8 65.6

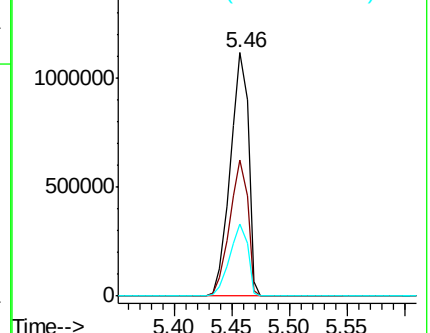
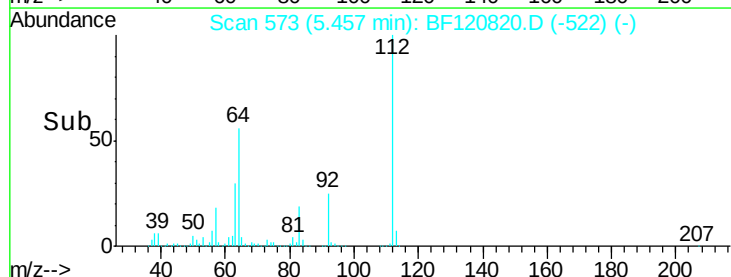
63 29.8 23.6 35.4

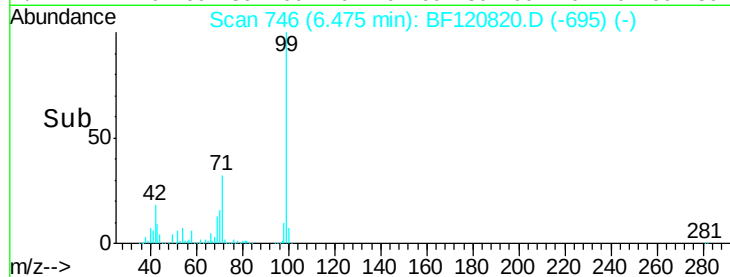
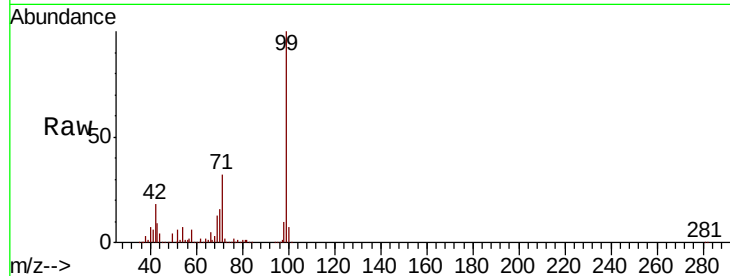
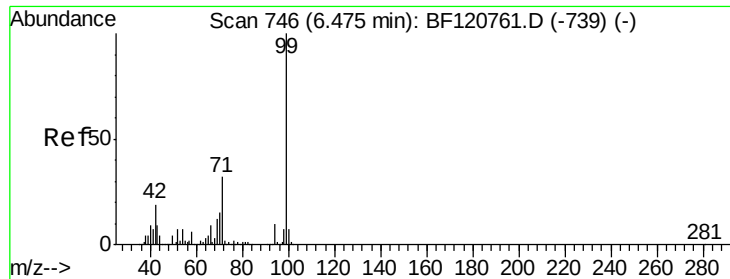


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 113.982 ng

RT: 6.47 min Scan# 746

Delta R.T. -0.00 min

Lab File: BF120820.D

Acq: 10 Jul 2020 9:18

Instrument :

BNA_F

ClientSampleId :

PB129997BL

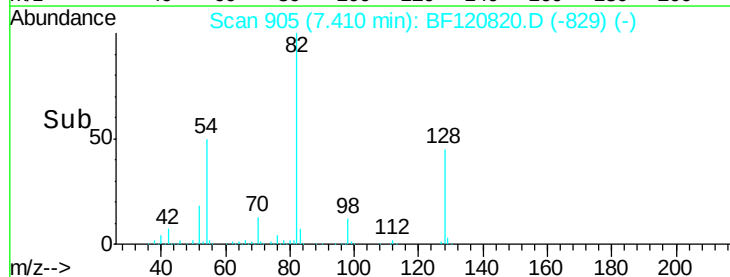
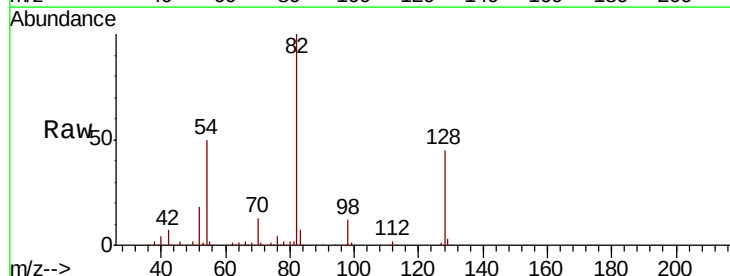
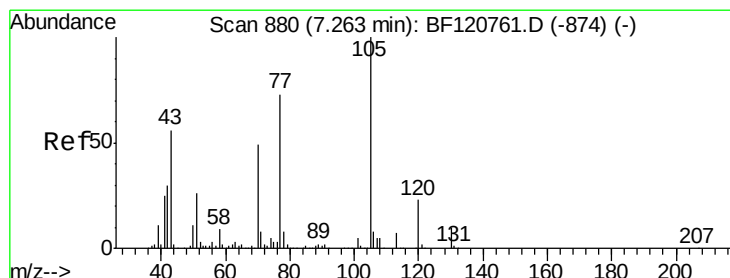
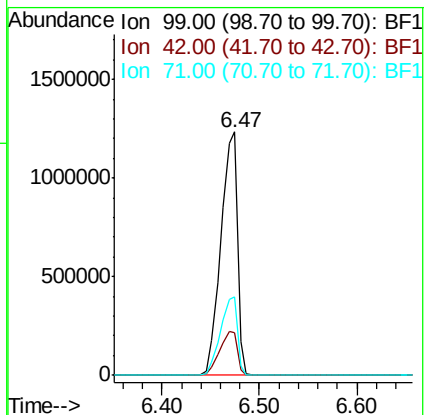
Tot Ion: 99 Resp: 1456099

Ion Ratio Lower Upper

99 100

42 17.6 15.4 23.0

71 32.1 25.9 38.9



#19

n-Nitroso-di-n-propylamine

Concen: 15.624 ng

RT: 7.41 min Scan# 905

Delta R.T. 0.15 min

Lab File: BF120820.D

Acq: 10 Jul 2020 9:18

Tgt Ion: 70 Resp: 120174

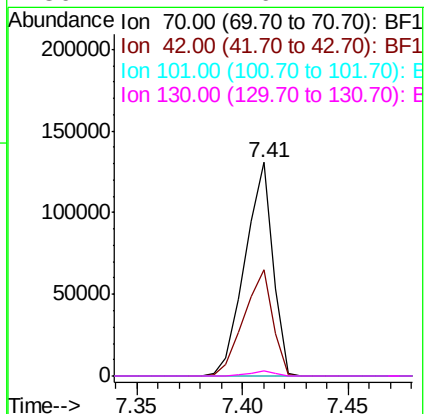
Ion Ratio Lower Upper

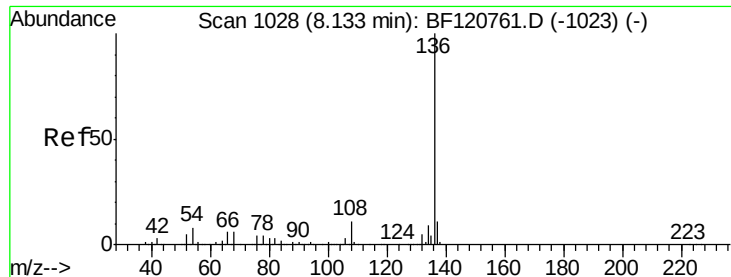
70 100

42 49.5 50.3 75.5#

101 0.0 7.5 11.3#

130 2.2 16.1 24.1#

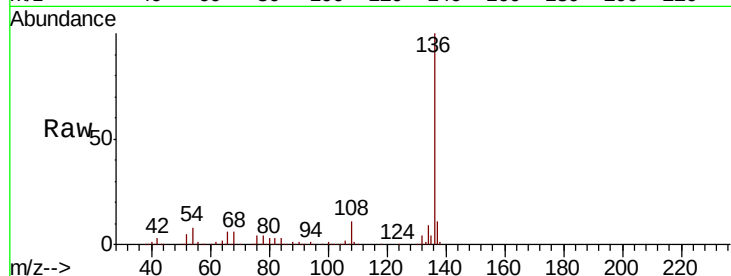




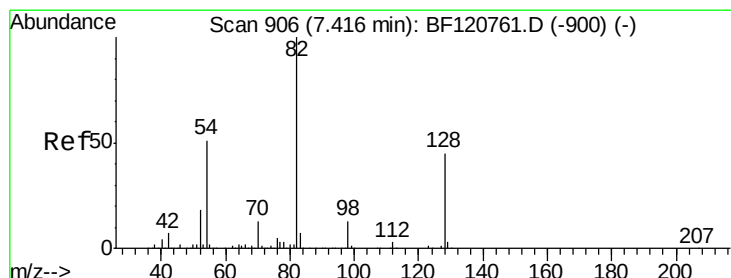
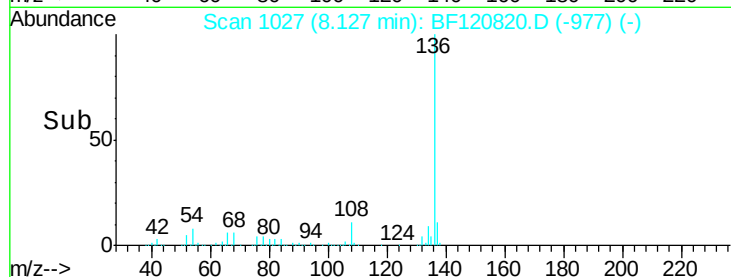
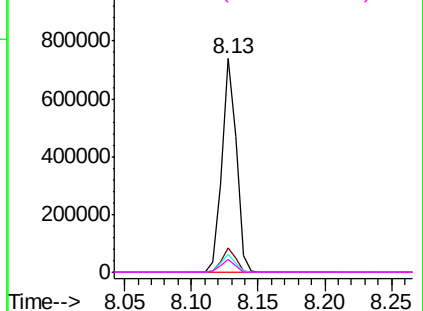
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.13 min Scan# 1027
Delta R.T. -0.01 min
Lab File: BF120820.D
Acq: 10 Jul 2020 9:18

Instrument :
BNA_F
ClientSampled :
PB129997BL

Tot Ion:136	Resp:	570921
Ion	Ratio	Lower Upper
136	100	
137	11.3	9.0 13.6
54	8.2	6.2 9.4
68	5.9	4.7 7.1

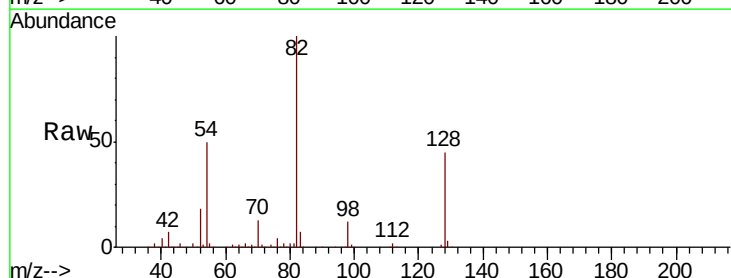


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

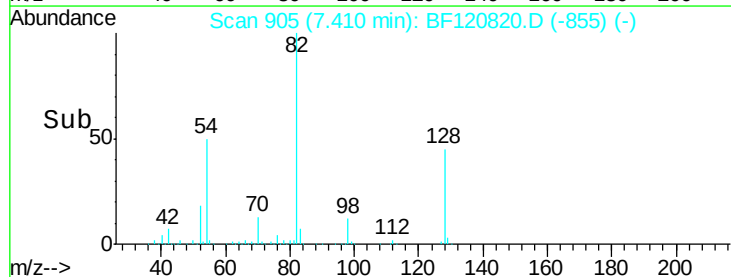
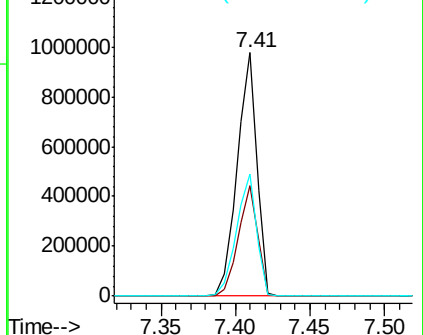


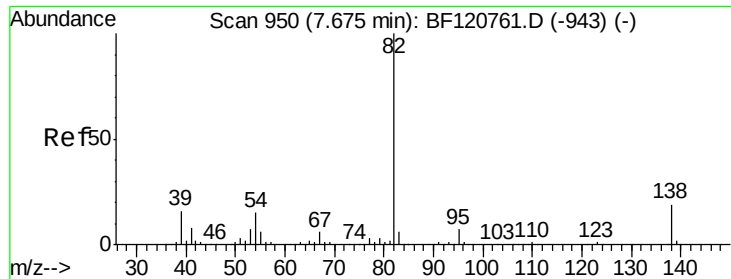
#23
Nitrobenzene-d5
Concen: 91.694 ng
RT: 7.41 min Scan# 905
Delta R.T. -0.01 min
Lab File: BF120820.D
Acq: 10 Jul 2020 9:18

Tgt Ion: 82	Resp:	903560
Ion	Ratio	Lower Upper
82	100	
128	45.4	35.7 53.5
54	50.1	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: 42.424 ng

RT: 7.41 min Scan# 905

Delta R.T. -0.26 min

Lab File: BF120820.D

Acq: 10 Jul 2020 9:18

Instrument :

BNA_F

ClientSampleId :

PB129997BL

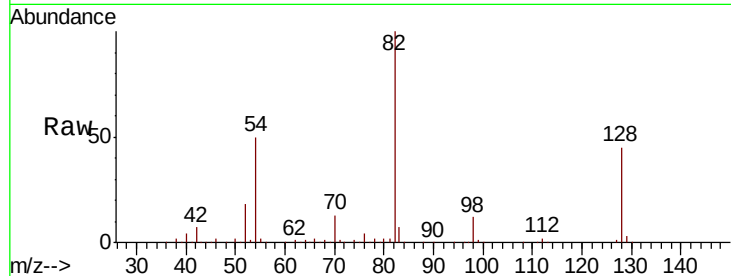
Tot Ion: 82 Resp: 901552

Ion Ratio Lower Upper

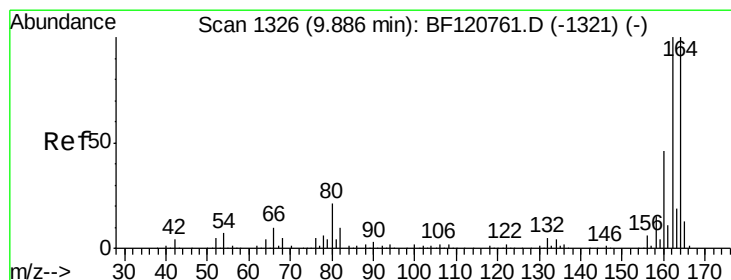
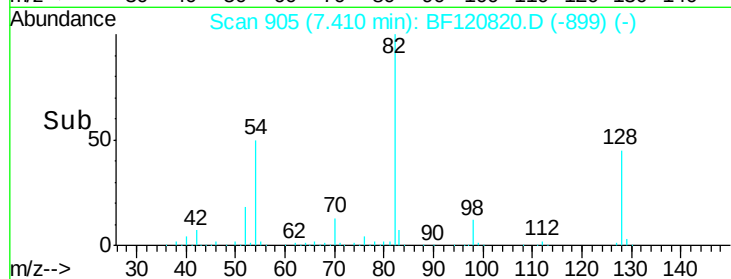
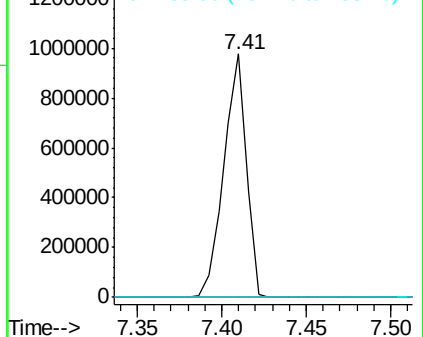
82 100

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: BF120820.D

Acq: 10 Jul 2020 9:18

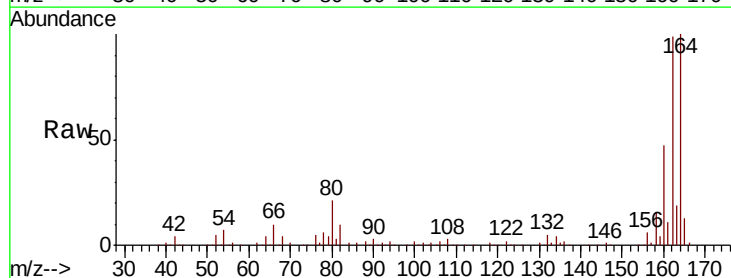
Tgt Ion: 164 Resp: 276562

Ion Ratio Lower Upper

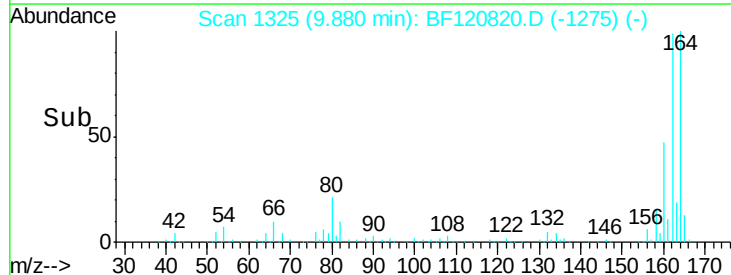
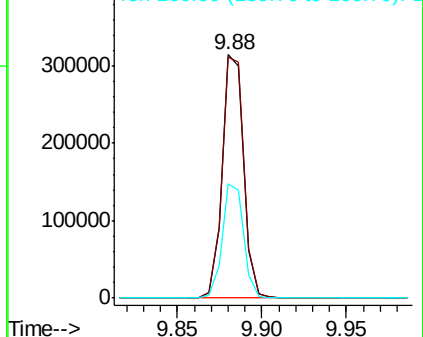
164 100

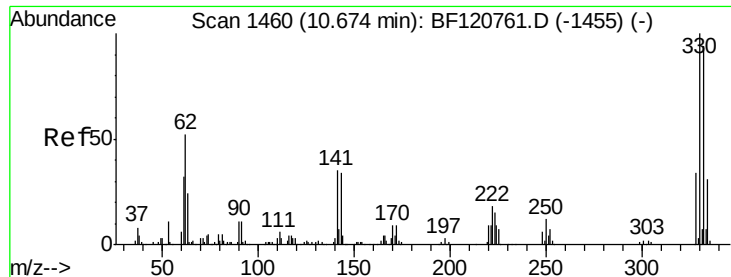
162 99.0 80.2 120.2

160 46.9 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: 126.585 ng

RT: 10.67 min Scan# 1460

Delta R.T. -0.00 min

Lab File: BF120820.D

Acq: 10 Jul 2020 9:18

Instrument :

BNA_F

ClientSampleId :

PB129997BL

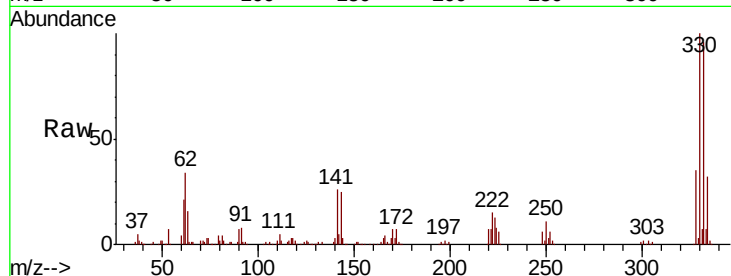
Tot Ion:330 Resp: 351712

Ion Ratio Lower Upper

330 100

332 95.5 75.8 113.6

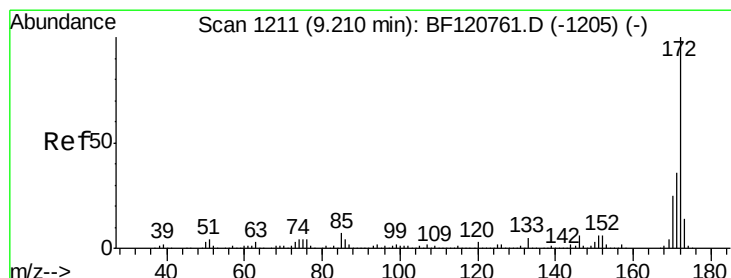
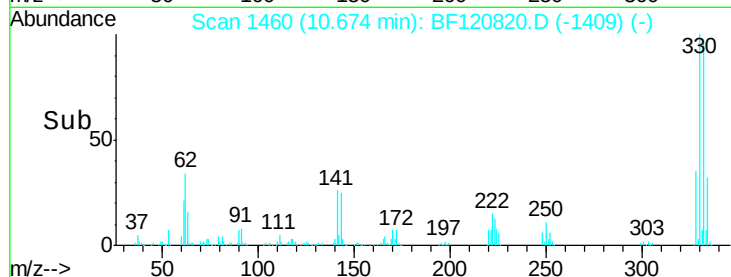
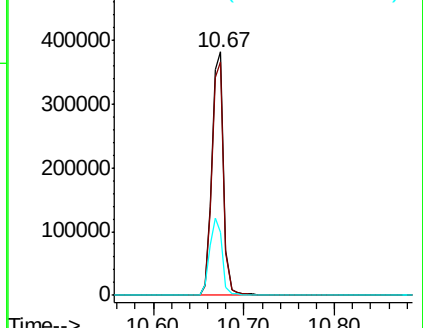
141 34.1 29.7 44.5



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: 83.830 ng

RT: 9.21 min Scan# 1211

Delta R.T. -0.00 min

Lab File: BF120820.D

Acq: 10 Jul 2020 9:18

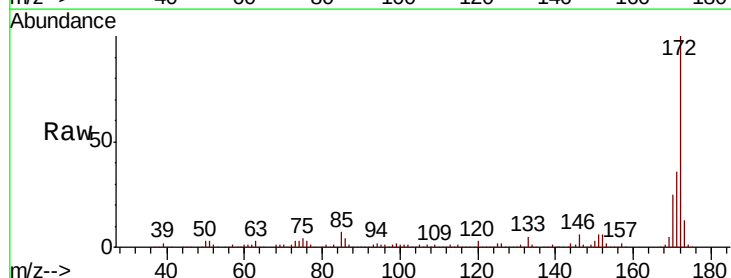
Tgt Ion:172 Resp: 1532392

Ion Ratio Lower Upper

172 100

171 36.4 29.1 43.7

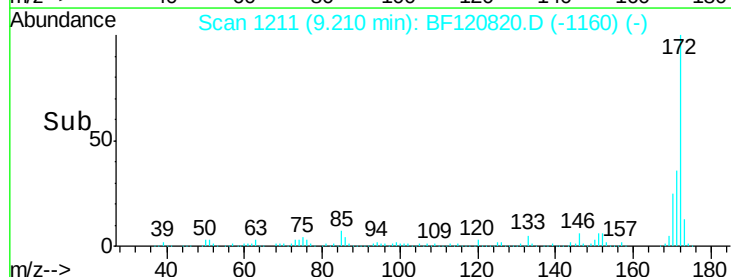
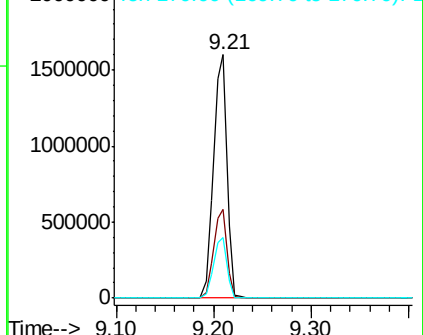
170 25.0 19.8 29.6

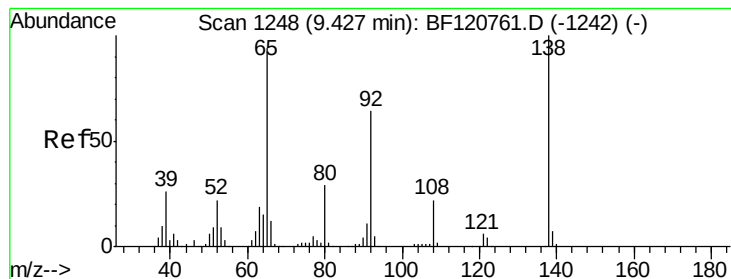


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#48

2-Nitroaniline

Concen: 3.075 ng

RT: 9.21 min Scan# 1211

Delta R.T. -0.22 min

Lab File: BF120820.D

Acq: 10 Jul 2020 9:18

Instrument :

BNA_F

ClientSampleId :

PB129997BL

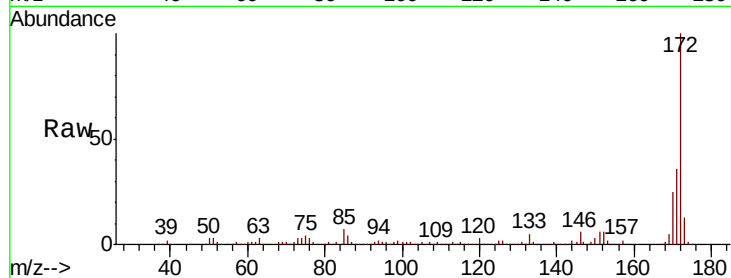
Tot Ion: 65 Resp: 2579

Ion Ratio Lower Upper

65 100

92 203.8 54.4 81.6#

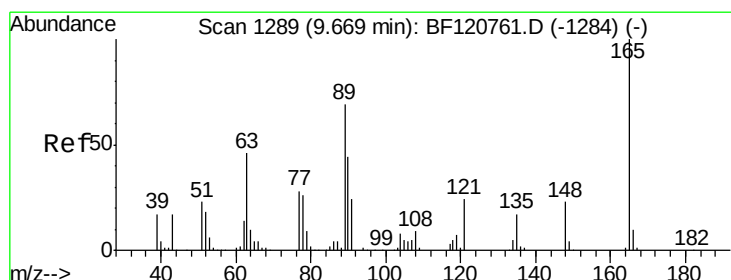
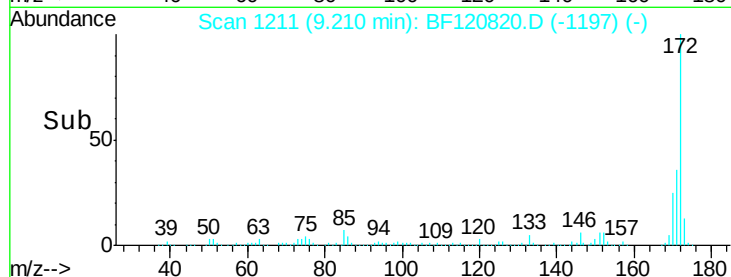
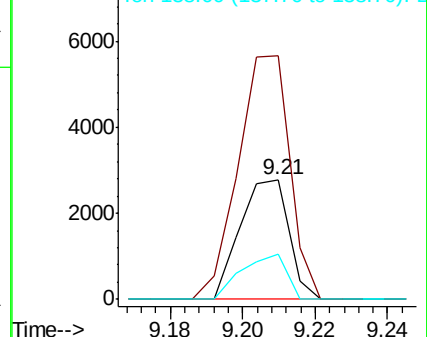
138 37.4 84.7 127.1#



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: 10.533 ng

RT: 9.88 min Scan# 1325

Delta R.T. 0.21 min

Lab File: BF120820.D

Acq: 10 Jul 2020 9:18

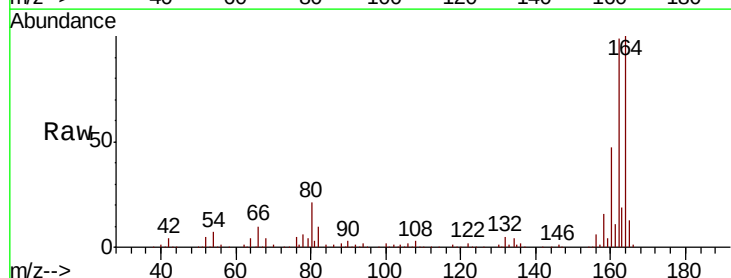
Tgt Ion:165 Resp: 34749

Ion Ratio Lower Upper

165 100

63 1.2 54.0 81.0#

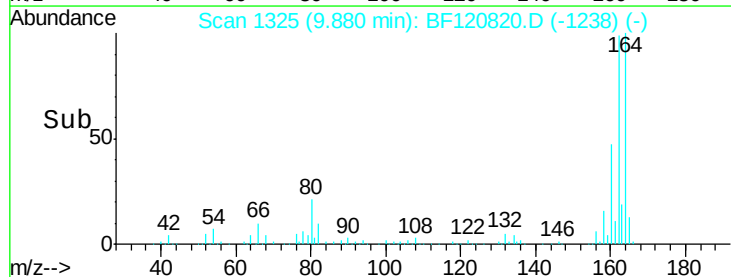
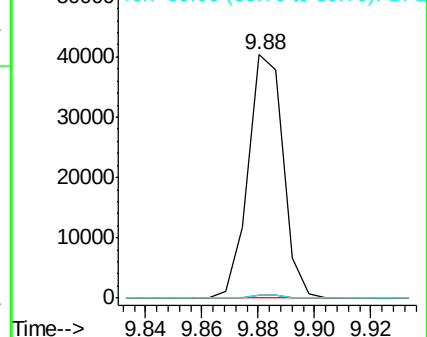
89 1.4 55.4 83.2#

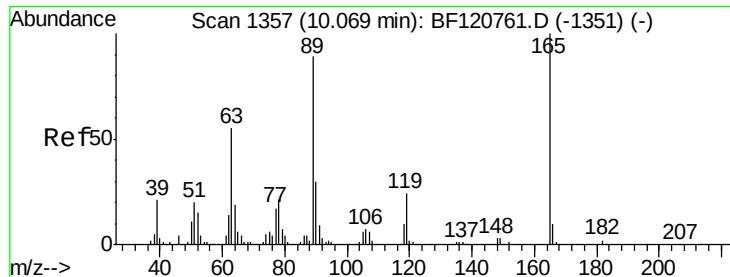


Abundance Ion 165.00 (164.70 to 165.70): BF1

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1





#57

2,4-Dinitrotoluene

Concen: 9.586 ng

RT: 9.88 min Scan# 1325

Delta R.T. -0.19 min

Lab File: BF120820.D

Acq: 10 Jul 2020 9:18

Instrument :

BNA_F

ClientSampleId :

PB129997BL

Tot Ion:165 Resp: 34749

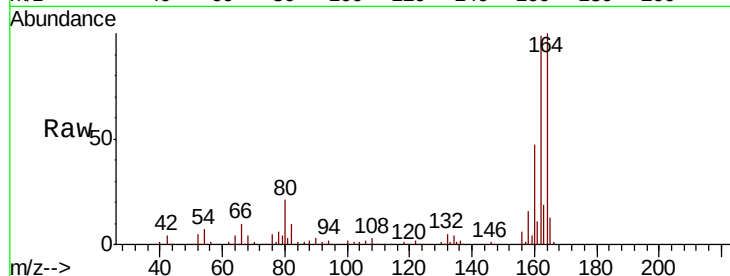
Ion Ratio Lower Upper

165 100

63 1.2 43.8 65.8#

89 1.4 71.4 107.2#

182 0.0 1.8 2.6#

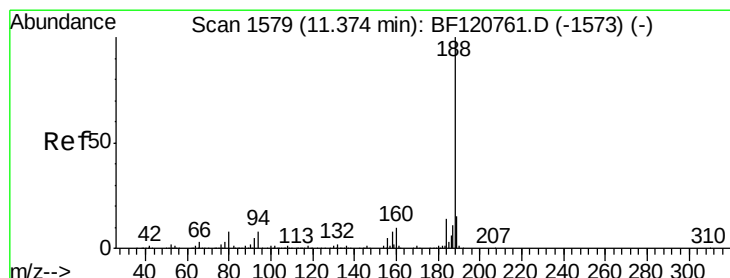
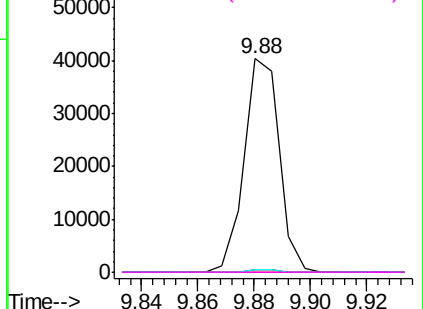
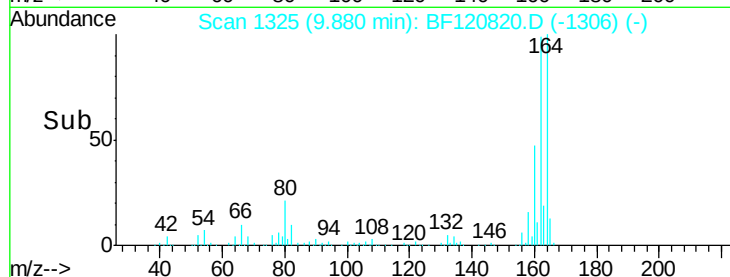


Abundance Ion 165.00 (164.70 to 165.70): E

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: BF120820.D

Acq: 10 Jul 2020 9:18

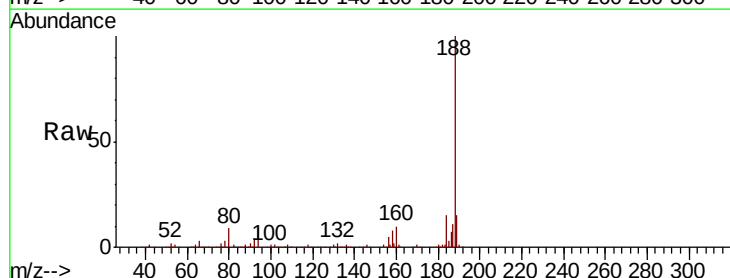
Tgt Ion:188 Resp: 492499

Ion Ratio Lower Upper

188 100

94 8.6 6.6 9.8

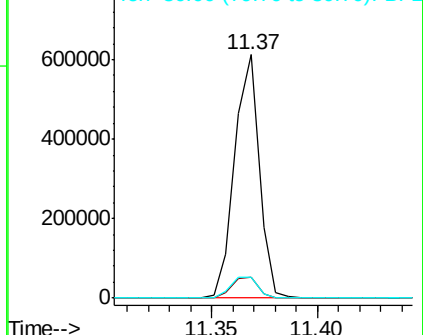
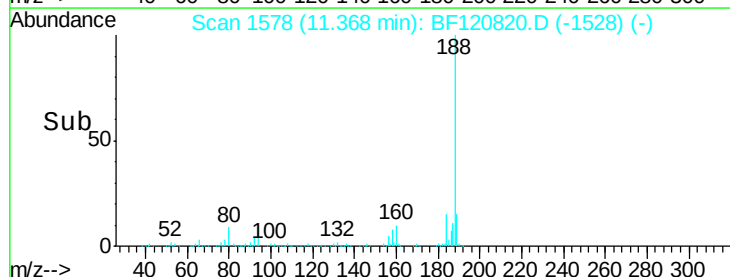
80 8.5 6.6 10.0

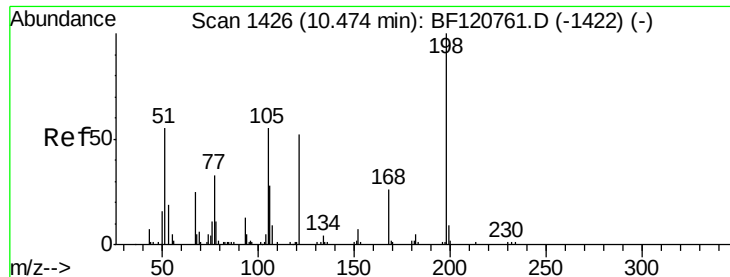


Abundance Ion 188.00 (187.70 to 188.70): E

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: 7.370 ng

RT: 10.67 min Scan# 1459

Delta R.T. 0.19 min

Lab File: BF120820.D

Acq: 10 Jul 2020 9:18

Instrument :

BNA_F

ClientSampled :

PB129997BL

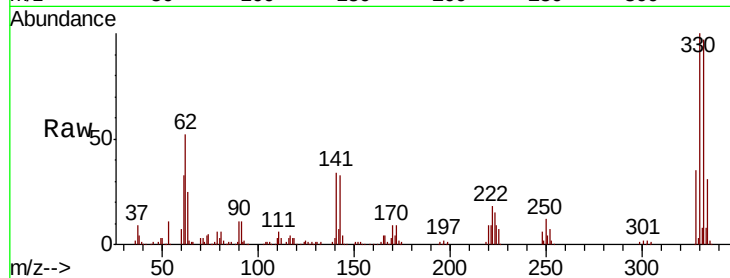
Tot Ion:198 Resp: 879

Ion Ratio Lower Upper

198 100

51 137.7 50.0 90.0#

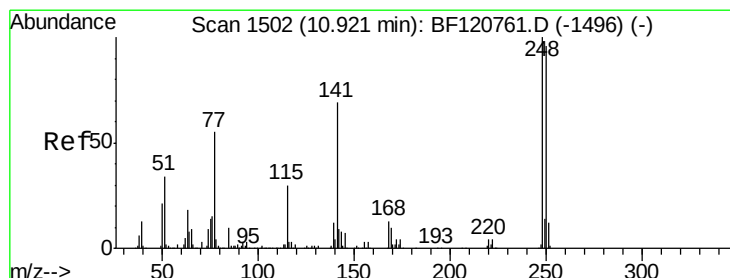
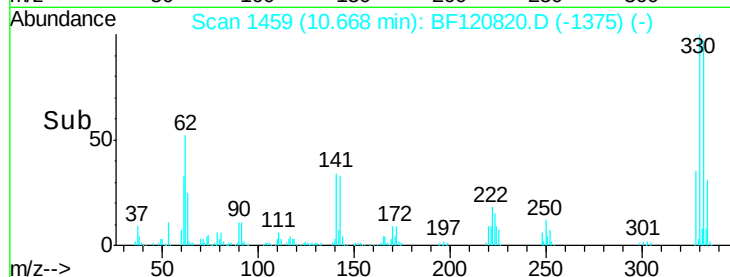
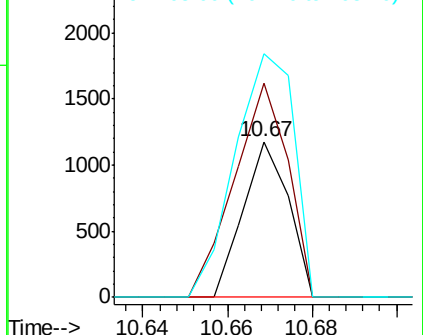
105 156.7 38.3 78.3#



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: 3.616 ng

RT: 10.67 min Scan# 1460

Delta R.T. -0.25 min

Lab File: BF120820.D

Acq: 10 Jul 2020 9:18

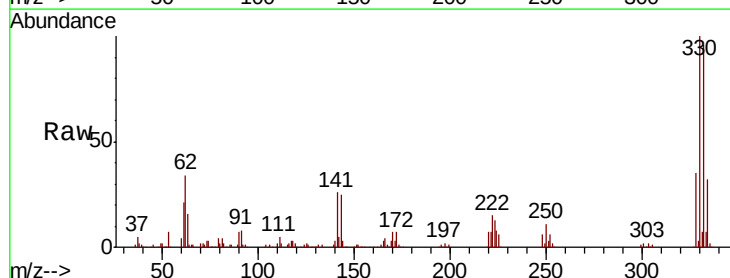
Tgt Ion:248 Resp: 20659

Ion Ratio Lower Upper

248 100

250 191.7 76.5 114.7#

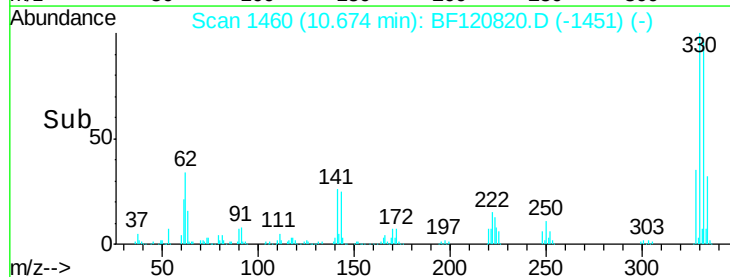
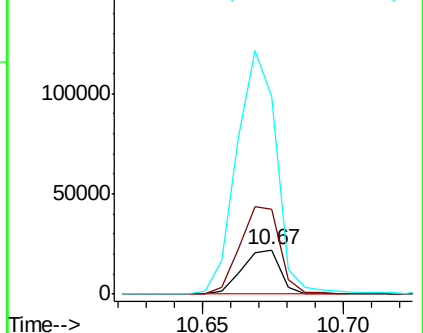
141 446.9 54.9 82.3#

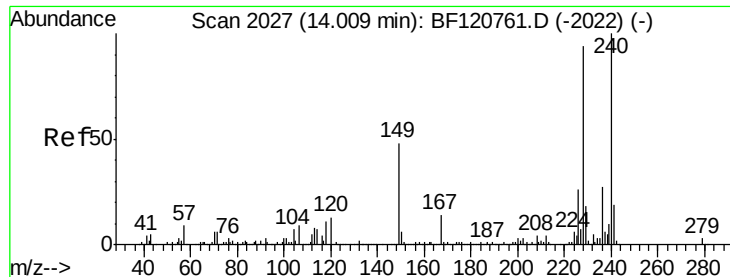


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

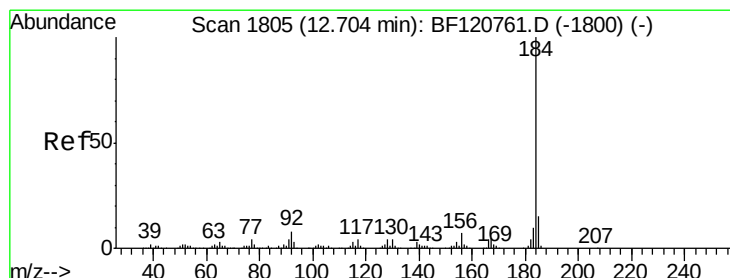
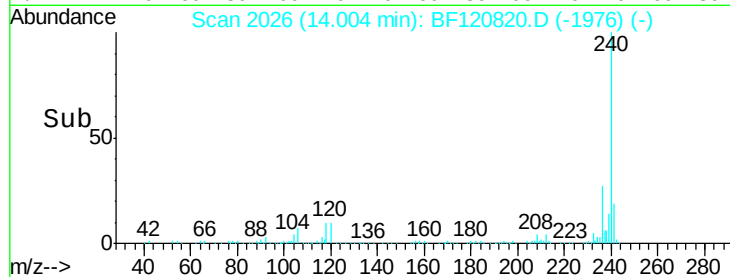
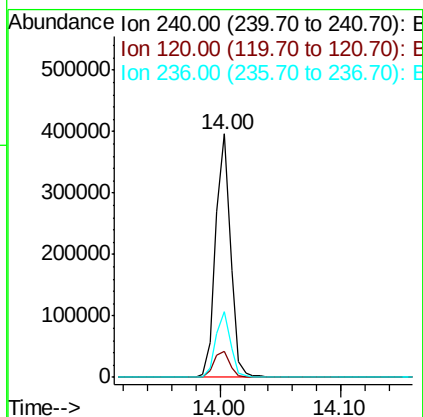
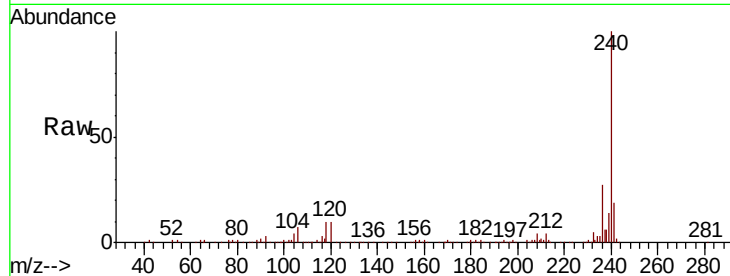




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.00 min Scan# 2026
Delta R.T. -0.01 min
Lab File: BF120820.D
Acq: 10 Jul 2020 9:18

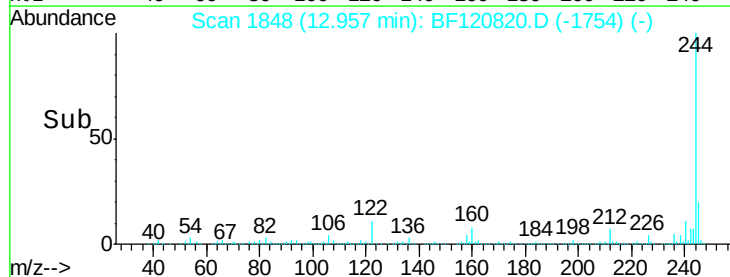
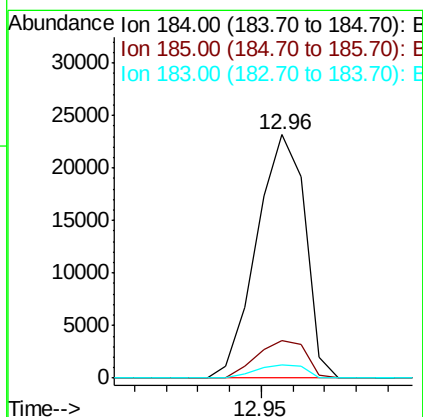
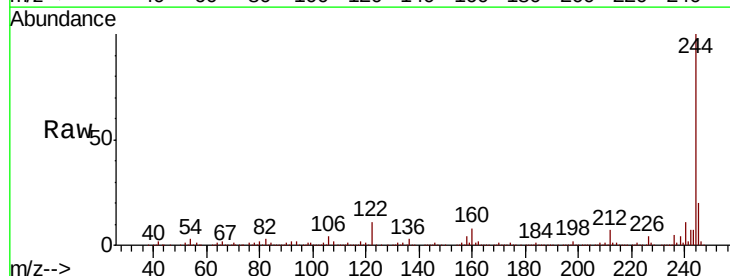
Instrument :
BNA_F
ClientSampleId :
PB129997BL

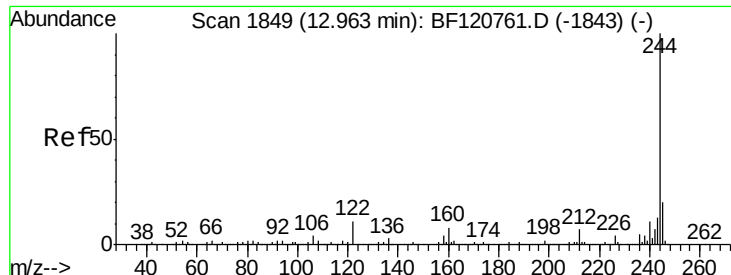
Tot Ion:240 Resp: 334636
Ion Ratio Lower Upper
240 100
120 10.4 10.3 15.5
236 27.1 21.4 32.2



#77
Benzidine
Concen: 2.590 ng
RT: 12.96 min Scan# 1848
Delta R.T. 0.25 min
Lab File: BF120820.D
Acq: 10 Jul 2020 9:18

Tgt Ion:184 Resp: 24464
Ion Ratio Lower Upper
184 100
185 15.2 11.8 17.8
183 5.4 8.3 12.5#





#79

Terphenyl-d14

Concen: 96.840 ng

RT: 12.96 min Scan# 1848

Delta R.T. -0.01 min

Lab File: BF120820.D

Acq: 10 Jul 2020 9:18

Instrument :

BNA_F

ClientSampleId :

PB129997BL

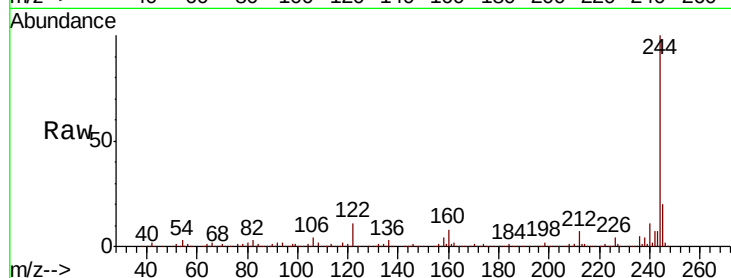
Tot Ion:244 Resp: 1655158

Ion Ratio Lower Upper

244 100

212 7.2 5.6 8.4

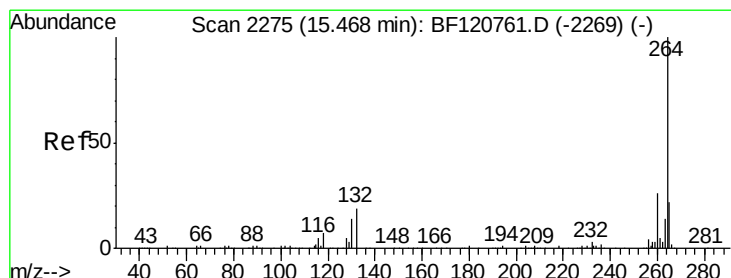
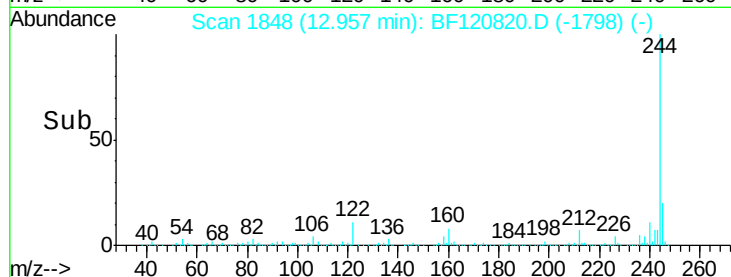
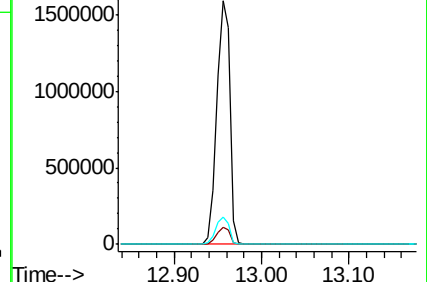
122 11.0 9.0 13.4



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: BF120820.D

Acq: 10 Jul 2020 9:18

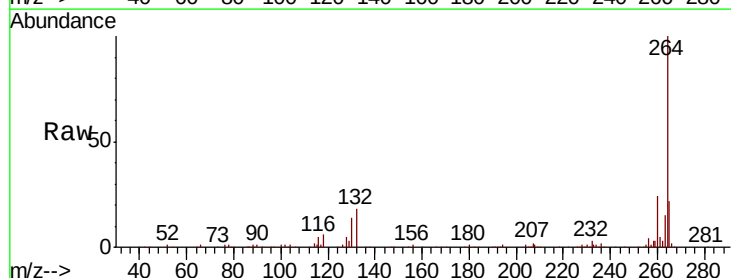
Tgt Ion:264 Resp: 289303

Ion Ratio Lower Upper

264 100

260 24.5 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

