

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070620\
 Data File : BF120771.D
 Acq On : 6 Jul 2020 11:33
 Operator : JU/CG
 Sample : PB129539BL
 Misc : PBBL02-MDL-WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 PB129897BL

Quant Time: Jul 06 14:30:27 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

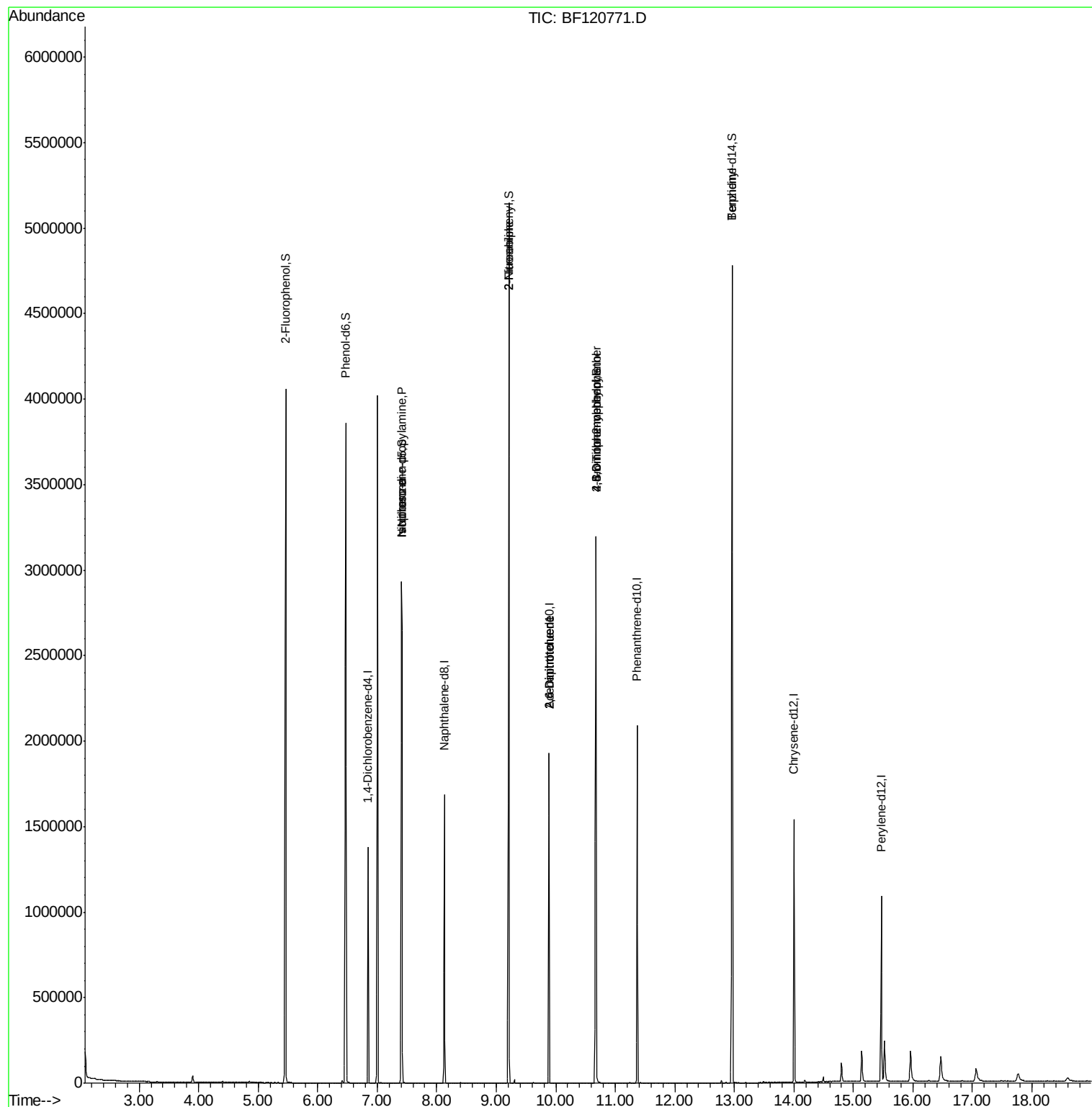
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	181694	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	699086	20.00	ng	0.00
39) Acenaphthene-d10	9.89	164	353968	20.00	ng	0.00
64) Phenanthrene-d10	11.37	188	655723	20.00	ng	0.00
76) Chrysene-d12	14.00	240	484966	20.00	ng	0.00
86) Perylene-d12	15.47	264	447534	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	1344630	114.24	ng	0.00
7) Phenol-d6	6.47	99	1685091	112.11	ng	0.00
23) Nitrobenzene-d5	7.41	82	1047119	86.78	ng	0.00
42) 2,4,6-Tribromophenol	10.67	330	418205	117.60	ng	0.00
45) 2-Fluorobiphenyl	9.21	172	1769096	75.62	ng	0.00
79) Terphenyl-d14	12.96	244	1996486	80.60	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.41	70	143553	15.861	ng	# 78
25) Isophorone	7.41	82	1047096	40.239	ng	# 64
48) 2-Nitroaniline	9.21	65	2774	3.002	ng	# 1
51) 2,6-Dinitrotoluene	9.89	165	45429	10.710	ng	# 17
57) 2,4-Dinitrotoluene	9.89	165	45429	9.726	ng	# 15
65) 4,6-Dinitro-2-methylphenol	10.67	198	1119	7.354	ng	# 1
67) 4-Bromophenyl-phenylether	10.67	248	25128	3.304	ng	# 1
77) Benzidine	12.96	184	29408	2.148	ng	# 95

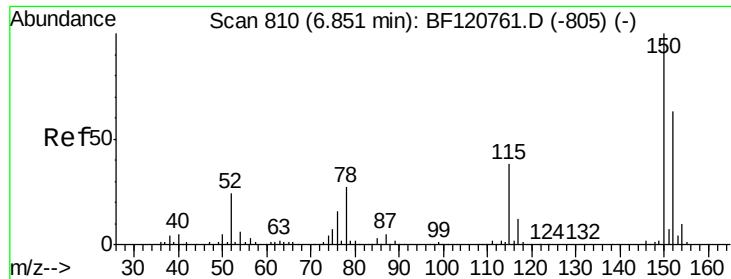
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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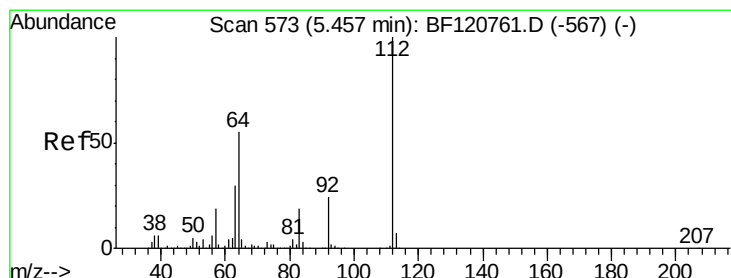
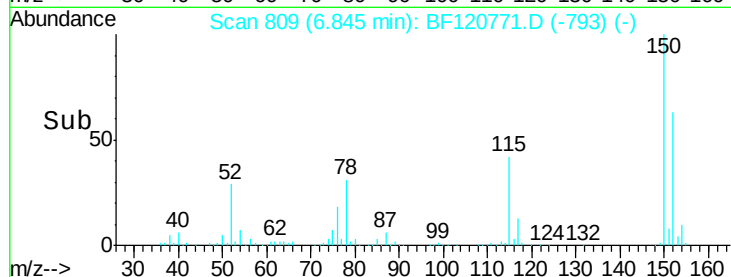
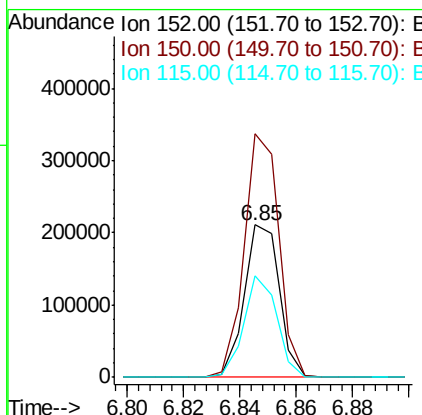
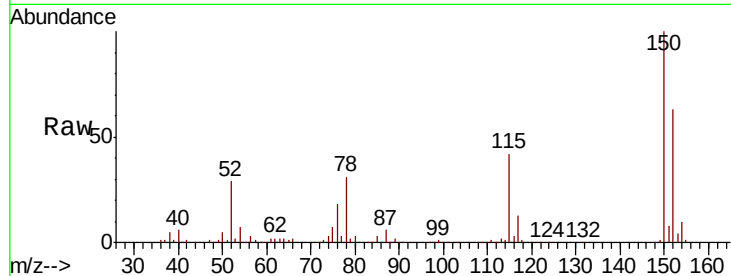




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.85 min Scan# 809
 Delta R.T. -0.01 min
 Lab File: BF120771.D
 Acq: 6 Jul 2020 11:33

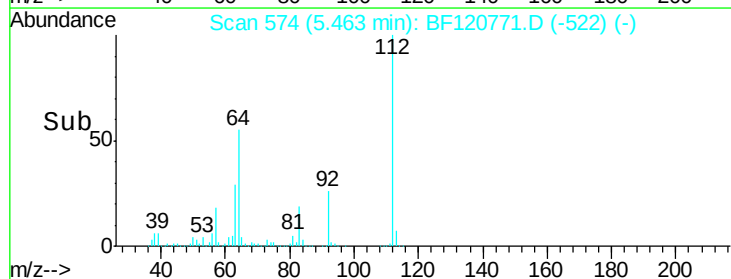
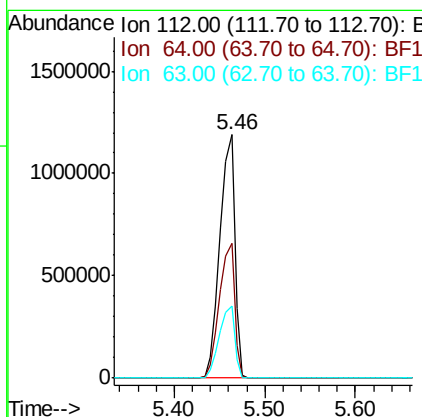
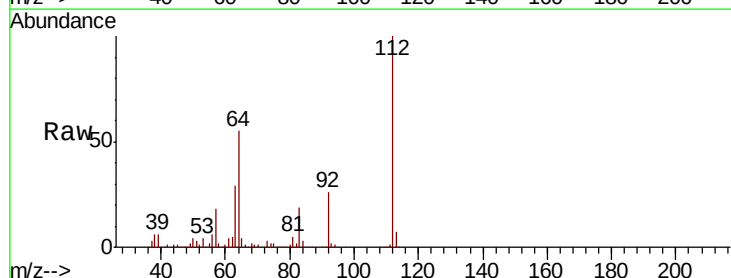
Instrument :
 BNA_P
 ClientSampleId :
 PB129897BL

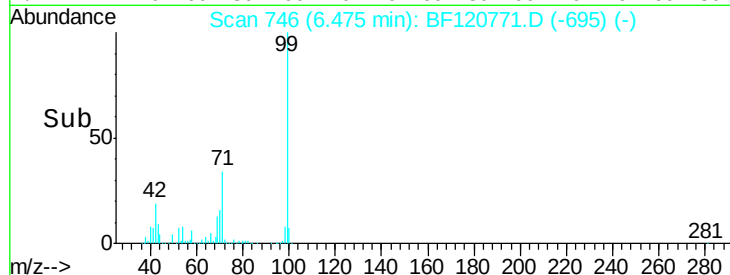
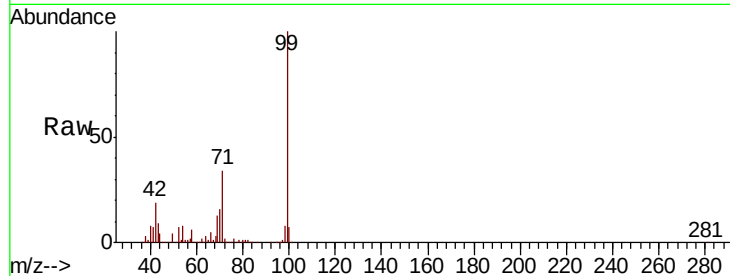
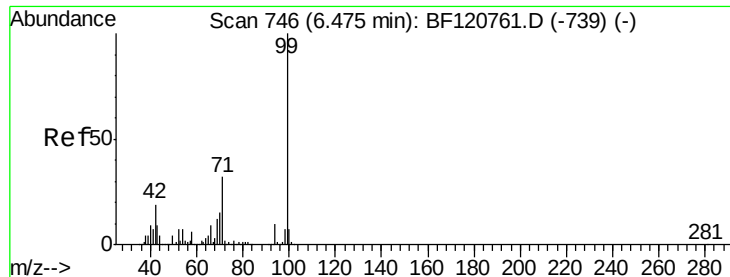
Tot Ion:152 Resp: 181694
 Ion Ratio Lower Upper
 152 100
 150 159.7 126.1 189.1
 115 66.7 48.5 72.7



#5
 2-Fluorophenol
 Concen: 114.238 ng
 RT: 5.46 min Scan# 574
 Delta R.T. 0.01 min
 Lab File: BF120771.D
 Acq: 6 Jul 2020 11:33

Tgt Ion:112 Resp: 1344630
 Ion Ratio Lower Upper
 112 100
 64 55.3 43.8 65.6
 63 29.5 23.6 35.4





#7

Phenol-d6

Concen: 112.105 ng

RT: 6.47 min Scan# 746

Delta R.T. 0.00 min

Lab File: BF120771.D

Acq: 6 Jul 2020 11:33

Instrument :

BNA_P

ClientSampleId :

PB129897BL

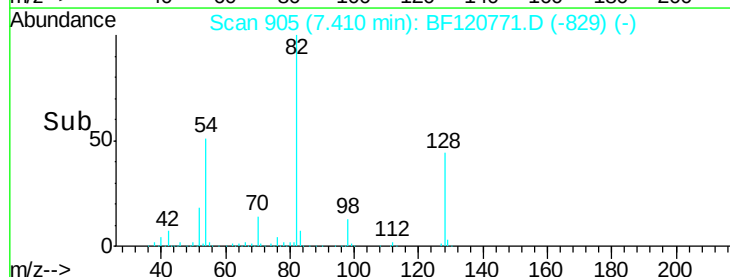
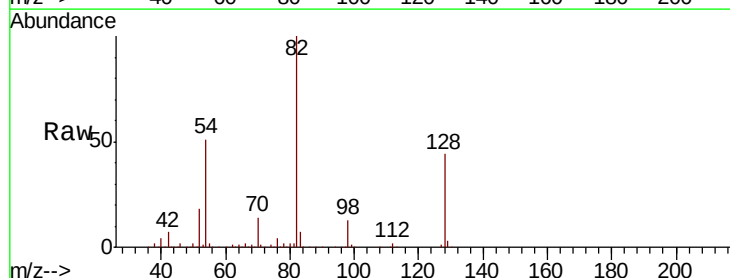
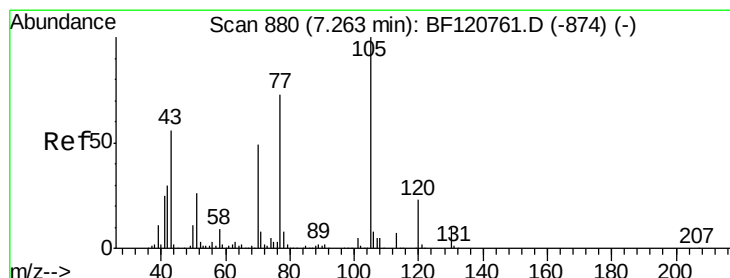
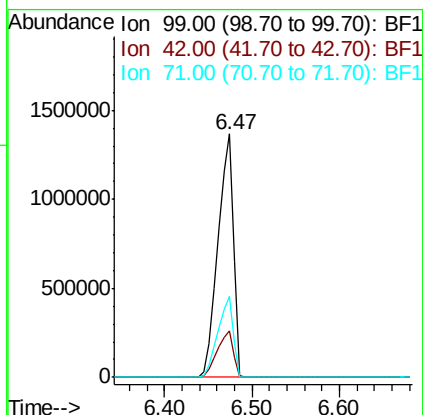
Tot Ion: 99 Resp: 1685091

Ion Ratio Lower Upper

99 100

42 18.9 15.4 23.0

71 33.5 25.9 38.9



#19

n-Nitroso-di-n-propylamine

Concen: 15.861 ng

RT: 7.41 min Scan# 905

Delta R.T. 0.15 min

Lab File: BF120771.D

Acq: 6 Jul 2020 11:33

Tgt Ion: 70 Resp: 143553

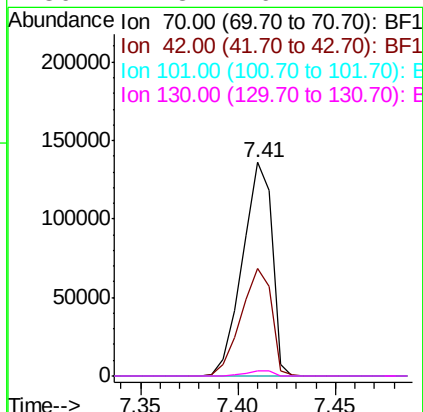
Ion Ratio Lower Upper

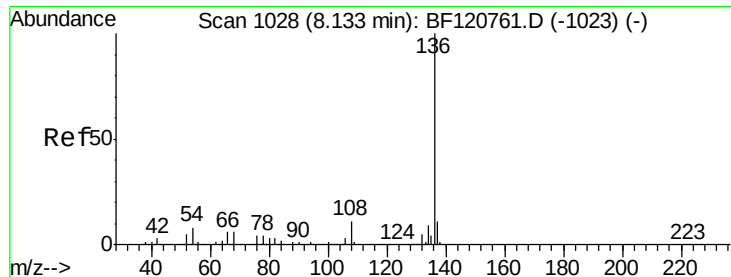
70 100

42 50.1 50.3 75.5#

101 0.0 7.5 11.3#

130 2.3 16.1 24.1#

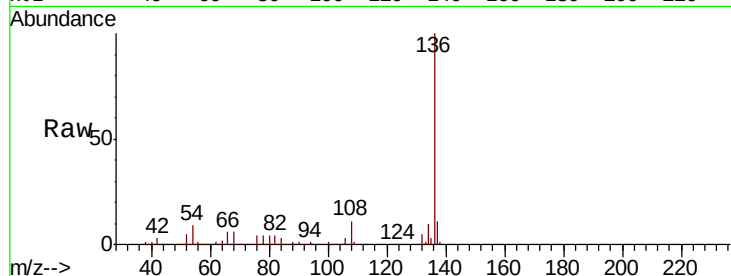




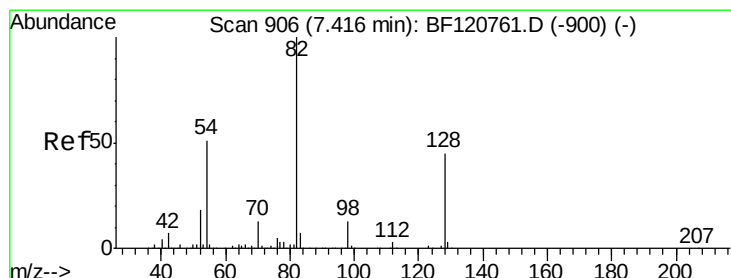
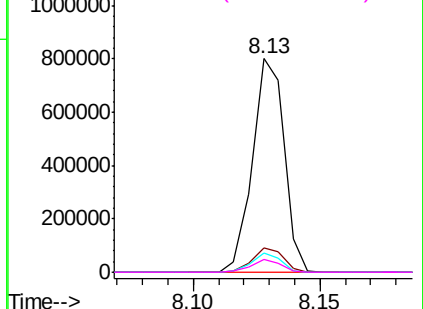
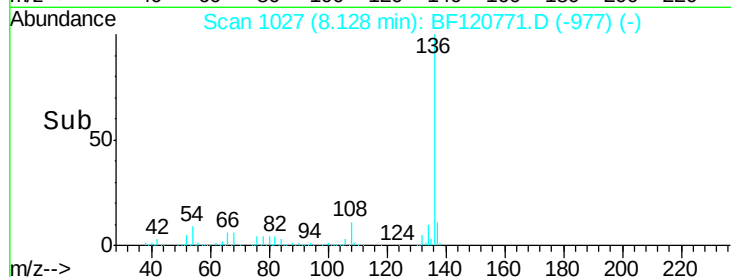
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.13 min Scan# 1027
Delta R.T. -0.01 min
Lab File: BF120771.D
Acq: 6 Jul 2020 11:33

Instrument :
BNA_P
ClientSampleId :
PB129897BL

Tot Ion:136	Resp: 699086
Ion Ratio	Lower Upper
136 100	
137 11.2	9.0 13.6
54 8.7	6.2 9.4
68 6.2	4.7 7.1

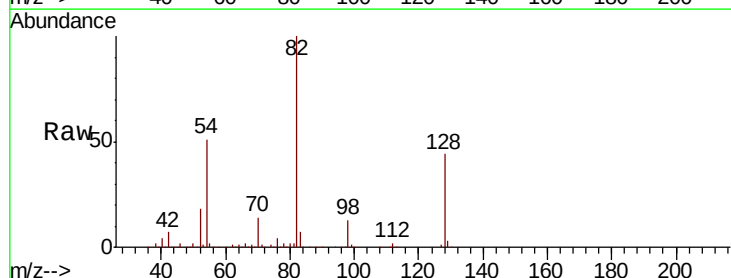


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

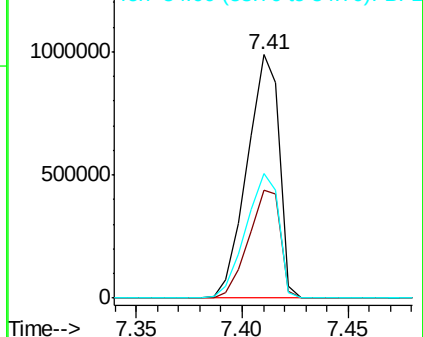
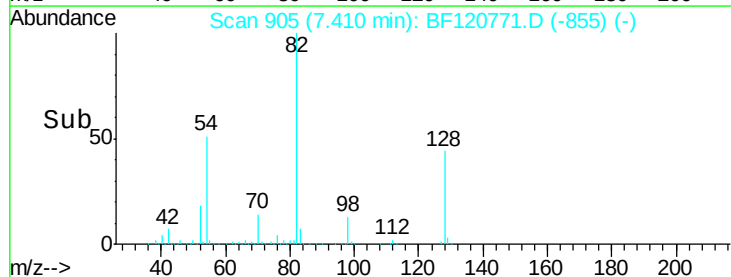


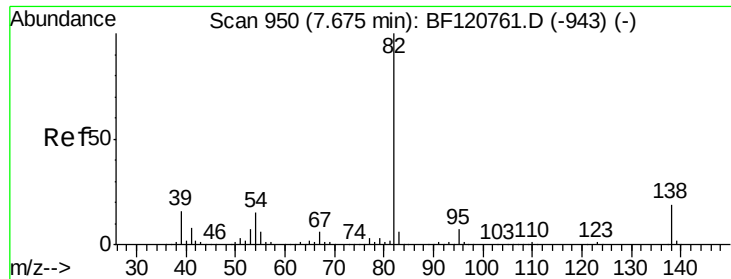
#23
Nitrobenzene-d5
Concen: 86.781 ng
RT: 7.41 min Scan# 905
Delta R.T. -0.01 min
Lab File: BF120771.D
Acq: 6 Jul 2020 11:33

Tgt Ion: 82	Resp: 1047119
Ion Ratio	Lower Upper
82 100	
128 44.1	35.7 53.5
54 51.1	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: 40.239 ng

RT: 7.41 min Scan# 905

Delta R.T. -0.26 min

Lab File: BF120771.D

Acq: 6 Jul 2020 11:33

Instrument :

BNA_P

ClientSampled :

PB129897BL

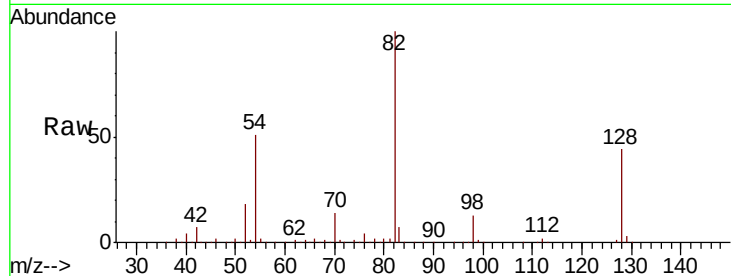
Tot Ion: 82 Resp: 1047096

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.2#

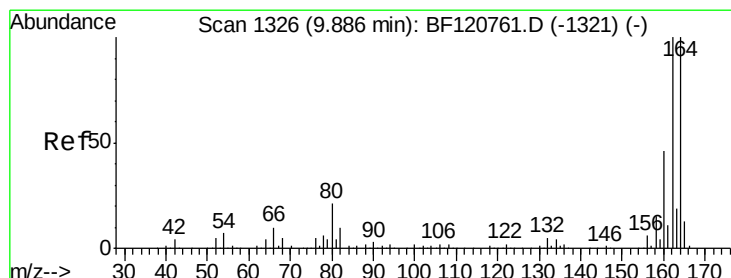
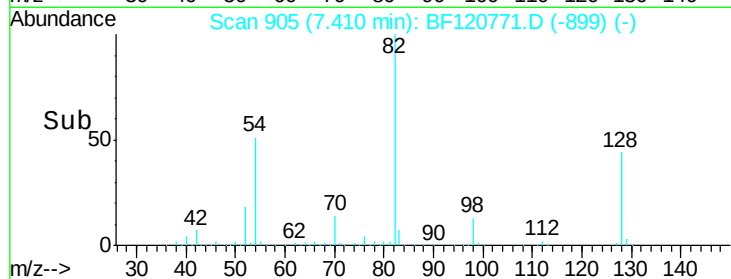
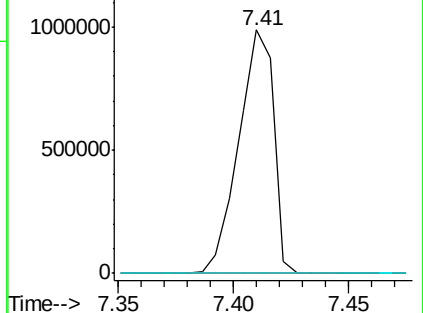
138 0.0 15.0 22.4#



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: BF120771.D

Acq: 6 Jul 2020 11:33

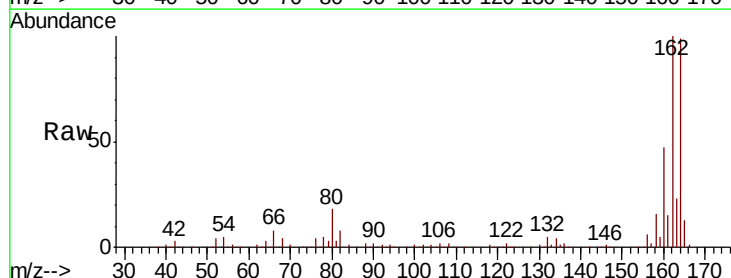
Tgt Ion: 164 Resp: 353968

Ion Ratio Lower Upper

164 100

162 100.7 80.2 120.2

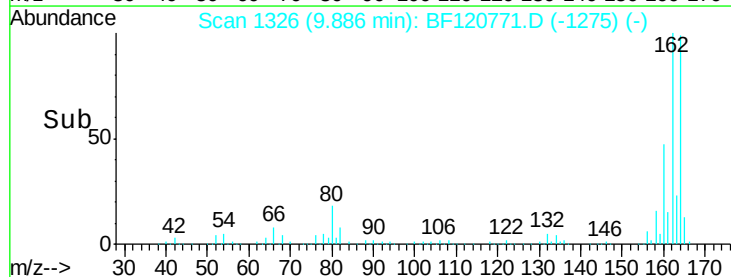
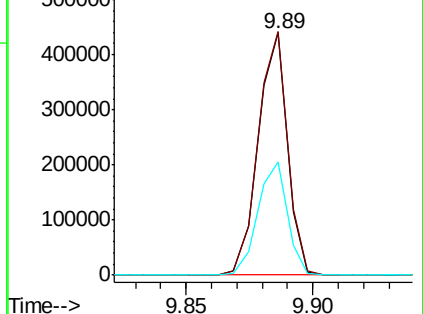
160 47.0 36.9 55.3

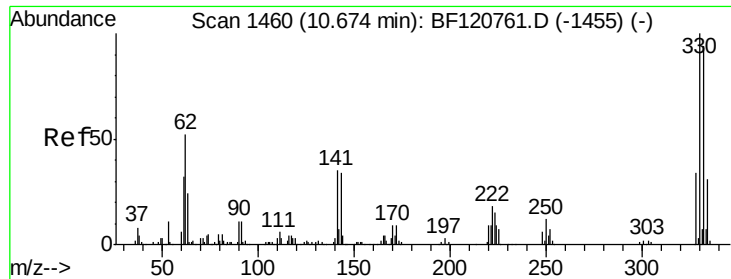


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

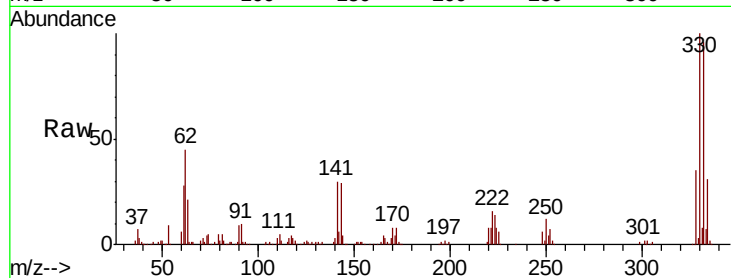




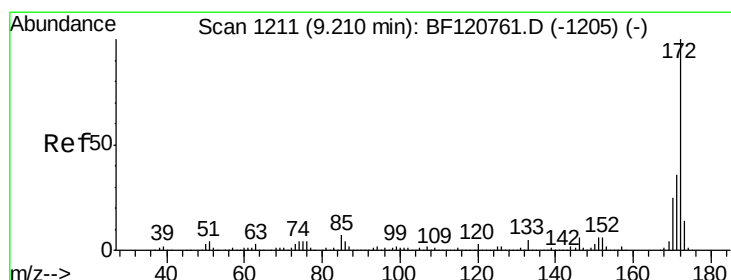
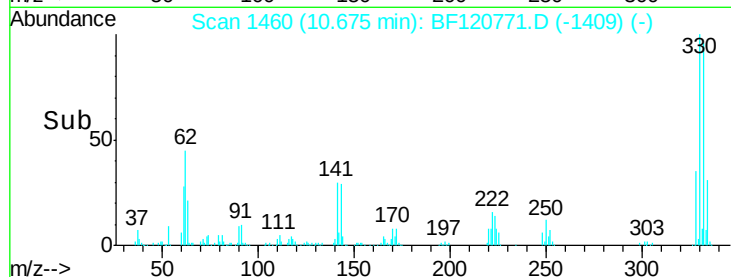
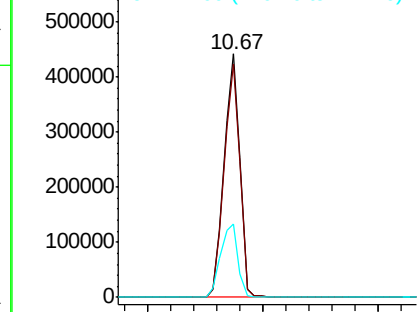
#42
 2,4,6-Tribromophenol
 Concen: 117.601 ng
 RT: 10.67 min Scan# 1460
 Delta R.T. 0.00 min
 Lab File: BF120771.D
 Acq: 6 Jul 2020 11:33

Instrument :
 BNA_P
 ClientSampleId :
 PB129897BL

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.2	75.8	113.6
141	33.3	29.7	44.5

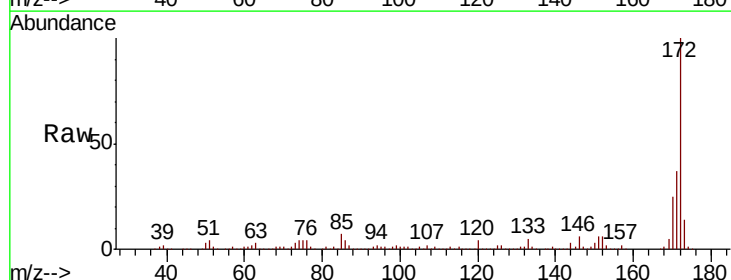


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

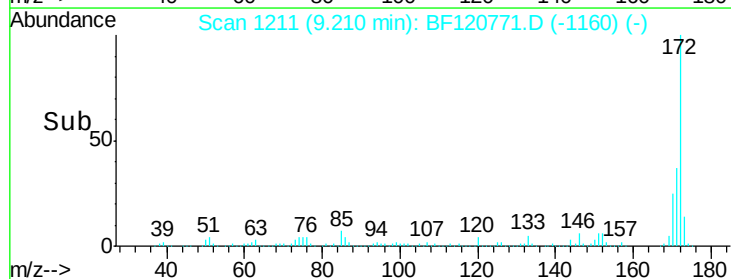
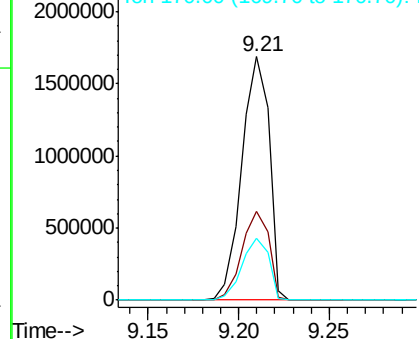


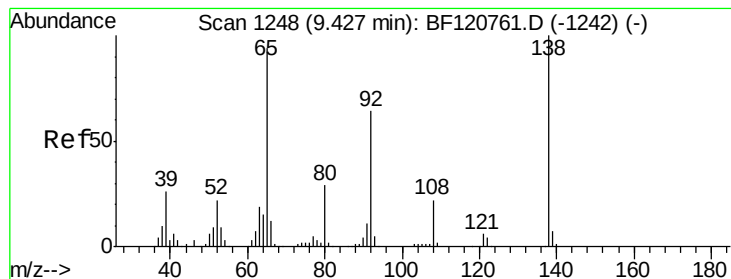
#45
 2-Fluorobiphenyl
 Concen: 75.615 ng
 RT: 9.21 min Scan# 1211
 Delta R.T. 0.00 min
 Lab File: BF120771.D
 Acq: 6 Jul 2020 11:33

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.7	29.1	43.7
170	25.2	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: 3.002 ng

RT: 9.21 min Scan# 1211

Delta R.T. -0.22 min

Lab File: BF120771.D

Acq: 6 Jul 2020 11:33

Instrument :

BNA_P

ClientSampled :

PB129897BL

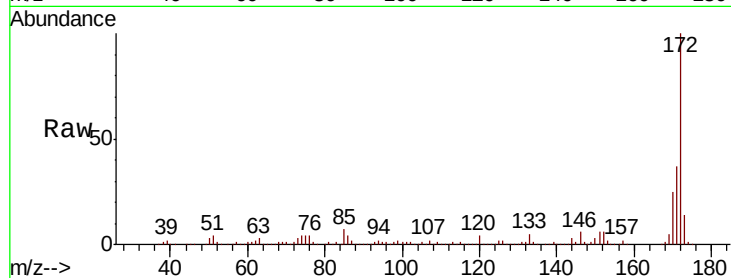
Tot Ion: 65 Resp: 2774

Ion Ratio Lower Upper

65 100

92 262.7 54.4 81.6#

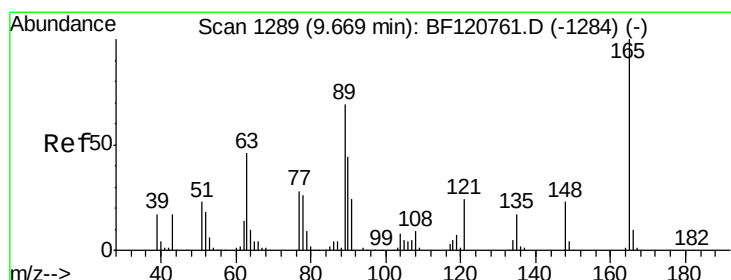
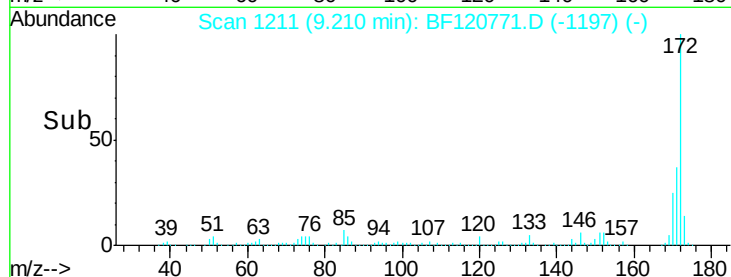
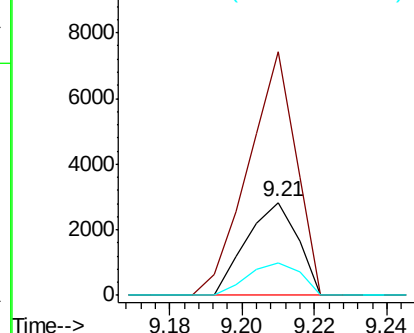
138 34.7 84.7 127.1#



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: 10.710 ng

RT: 9.89 min Scan# 1326

Delta R.T. 0.22 min

Lab File: BF120771.D

Acq: 6 Jul 2020 11:33

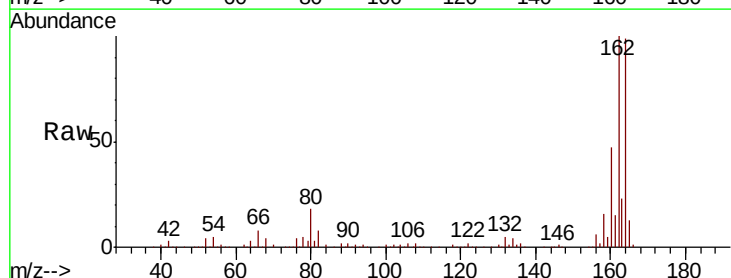
Tgt Ion: 165 Resp: 45429

Ion Ratio Lower Upper

165 100

63 1.0 54.0 81.0#

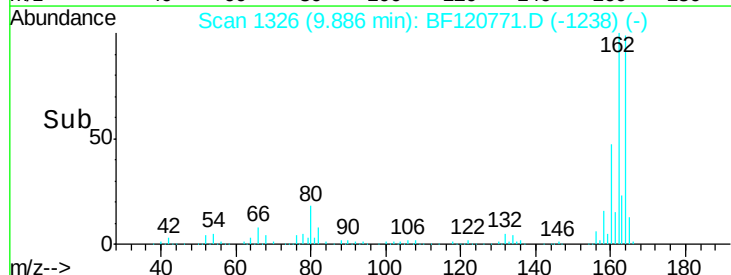
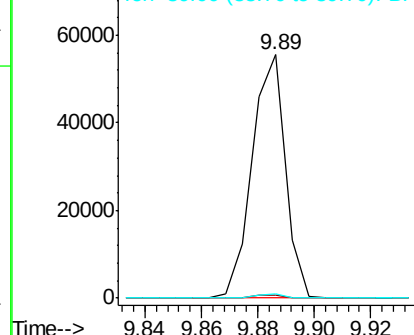
89 1.5 55.4 83.2#

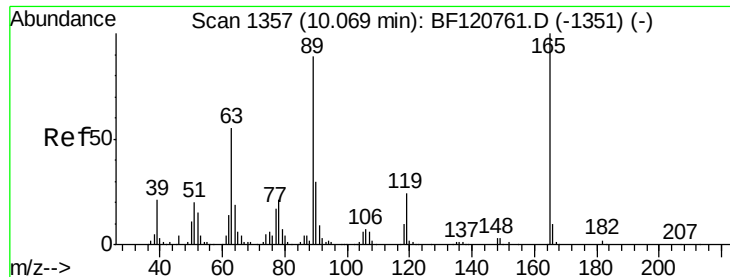


Abundance Ion 165.00 (164.70 to 165.70): BF1

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1





#57

2,4-Dinitrotoluene

Concen: 9.726 ng

RT: 9.89 min Scan# 1326

Delta R.T. -0.18 min

Lab File: BF120771.D

Acq: 6 Jul 2020 11:33

Instrument :

BNA_P

ClientSampleId :

PB129897BL

Tot Ion:165 Resp: 45429

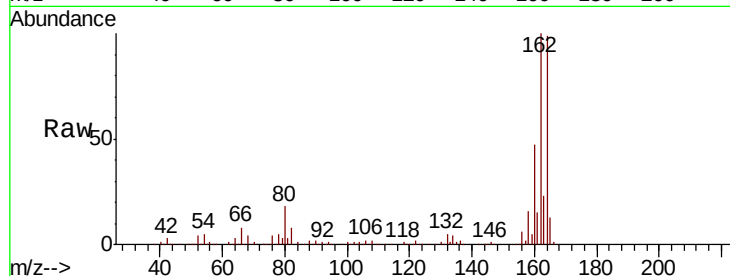
Ion Ratio Lower Upper

165 100

63 1.0 43.8 65.8#

89 1.5 71.4 107.2#

182 0.0 1.8 2.6#

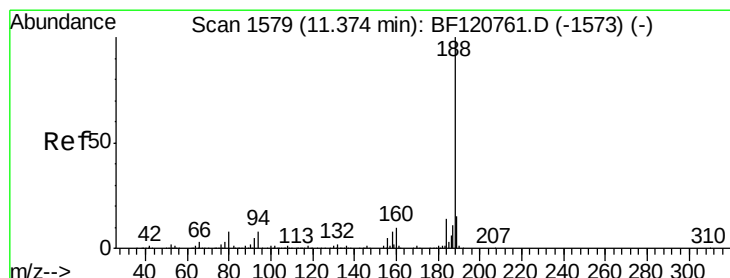
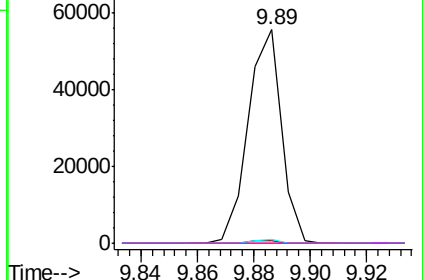
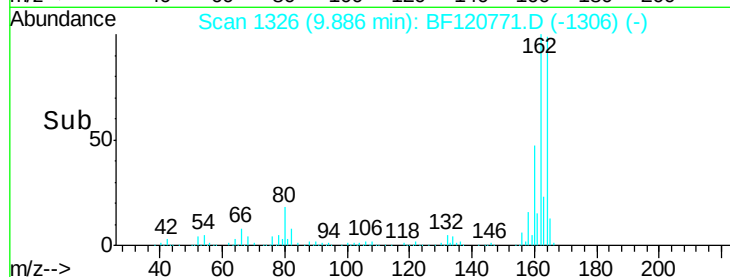


Abundance Ion 165.00 (164.70 to 165.70): E

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: BF120771.D

Acq: 6 Jul 2020 11:33

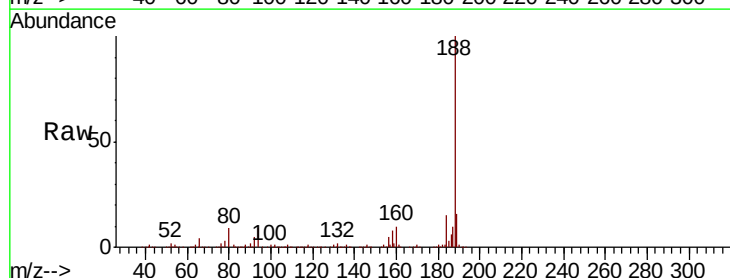
Tgt Ion:188 Resp: 655723

Ion Ratio Lower Upper

188 100

94 8.8 6.6 9.8

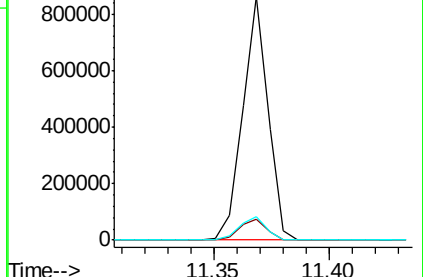
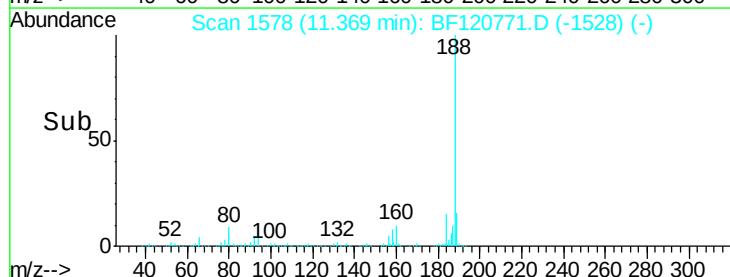
80 9.5 6.6 10.0

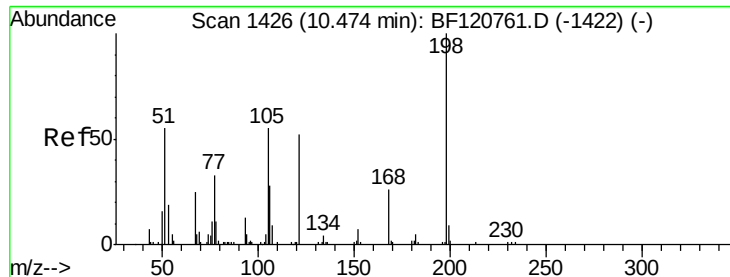


Abundance Ion 188.00 (187.70 to 188.70): E

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: 7.354 ng

RT: 10.67 min Scan# 1460

Delta R.T. 0.20 min

Lab File: BF120771.D

Acq: 6 Jul 2020 11:33

Instrument :

BNA_P

ClientSampleId :

PB129897BL

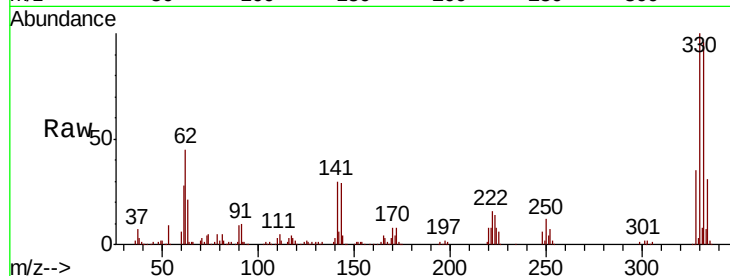
Tot Ion:198 Resp: 1119

Ion Ratio Lower Upper

198 100

51 158.6 50.0 90.0#

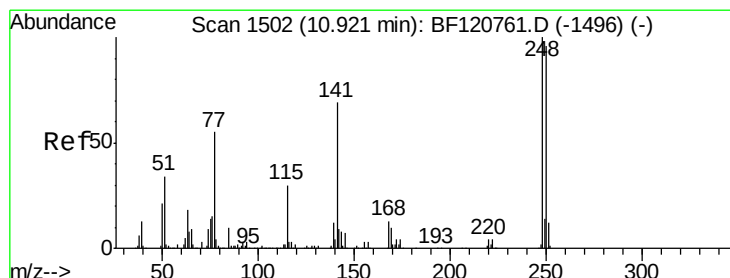
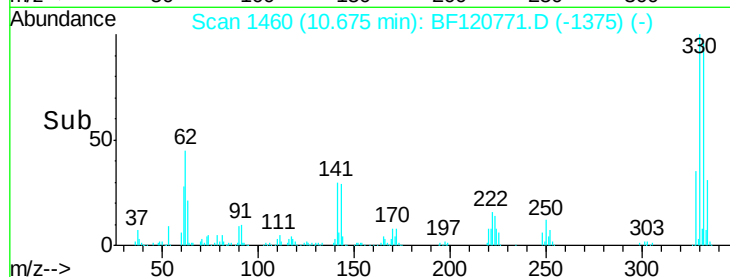
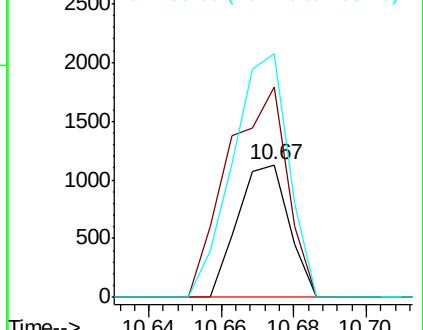
105 183.9 38.3 78.3#



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



#67

4-Bromophenyl-phenylether

Concen: 3.304 ng

RT: 10.67 min Scan# 1460

Delta R.T. -0.25 min

Lab File: BF120771.D

Acq: 6 Jul 2020 11:33

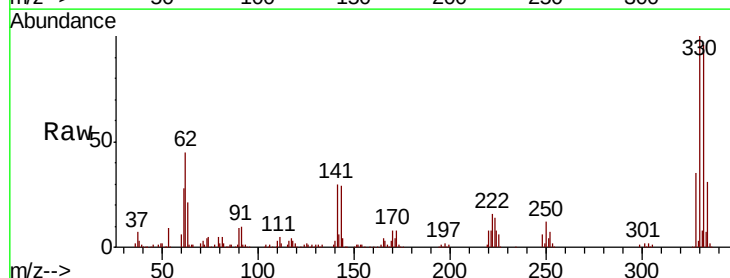
Tgt Ion:248 Resp: 25128

Ion Ratio Lower Upper

248 100

250 205.8 76.5 114.7#

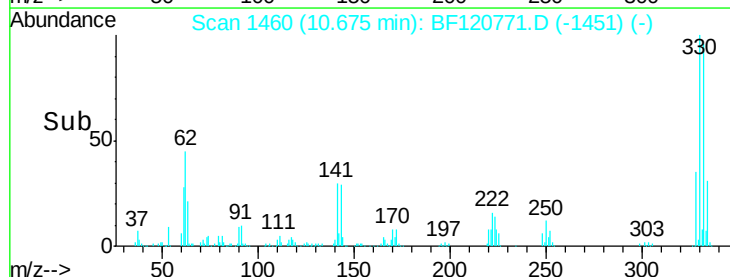
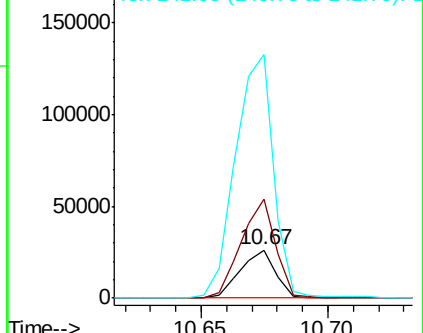
141 503.8 54.9 82.3#

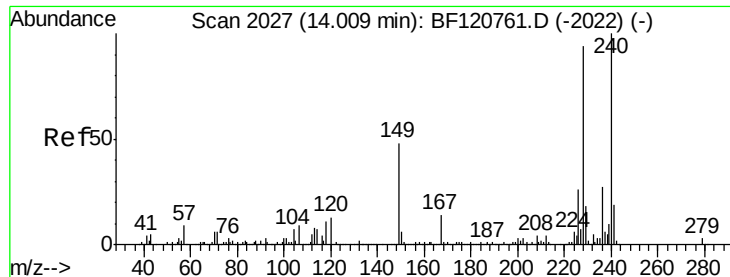


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

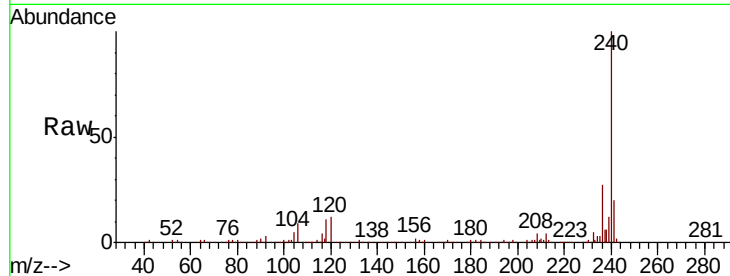




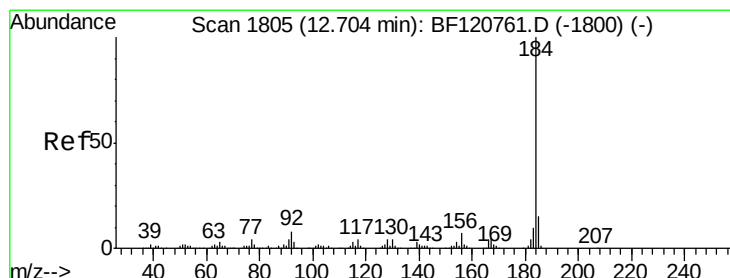
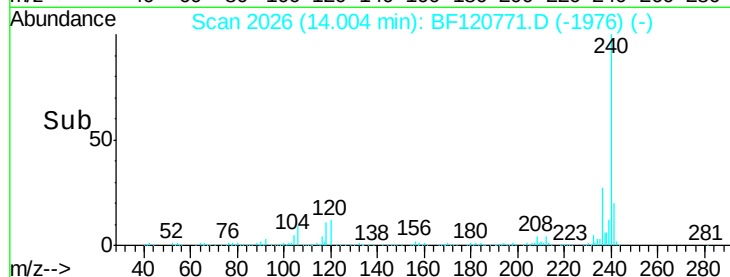
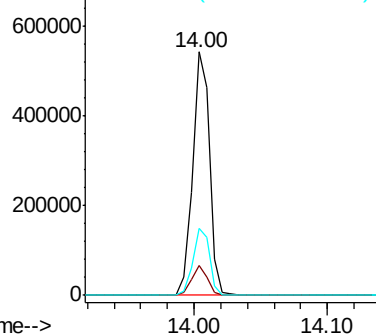
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.00 min Scan# 2026
Delta R.T. -0.01 min
Lab File: BF120771.D
Acq: 6 Jul 2020 11:33

Instrument :
BNA_P
ClientSampleId :
PB129897BL

Tot Ion:240 Resp: 484966
Ion Ratio Lower Upper
240 100
120 12.1 10.3 15.5
236 27.4 21.4 32.2

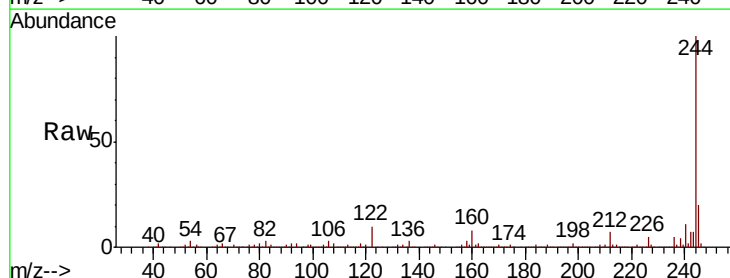


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

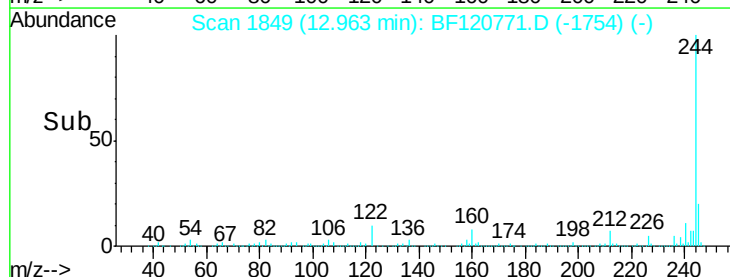
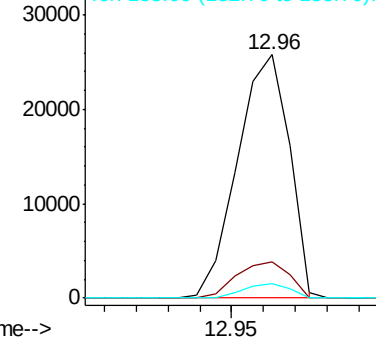


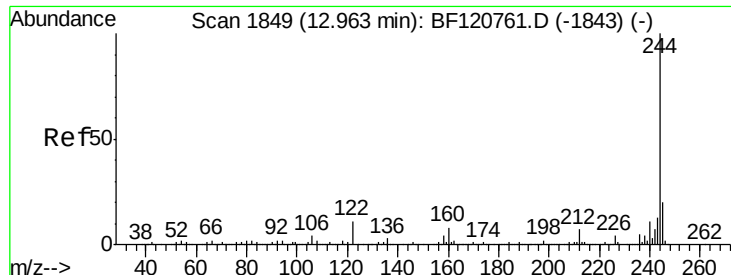
#77
Benzidine
Concen: 2.148 ng
RT: 12.96 min Scan# 1849
Delta R.T. 0.26 min
Lab File: BF120771.D
Acq: 6 Jul 2020 11:33

Tgt Ion:184 Resp: 29408
Ion Ratio Lower Upper
184 100
185 15.1 11.8 17.8
183 6.1 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: 80.601 ng

RT: 12.96 min Scan# 1849

Delta R.T. 0.00 min

Lab File: BF120771.D

Acq: 6 Jul 2020 11:33

Instrument :

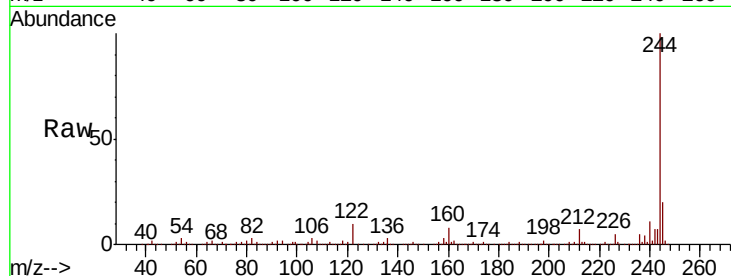
BNA_P

ClientSampleId :

PB129897BL

Tot Ion:244 Resp: 1996486

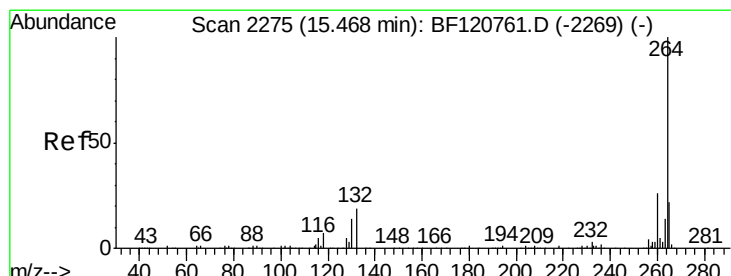
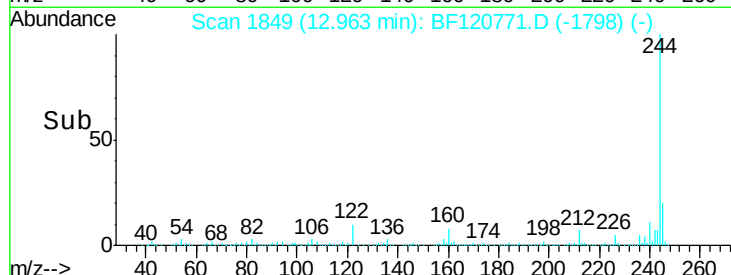
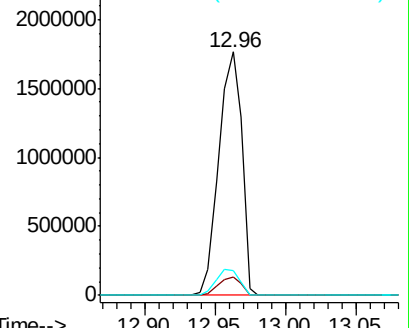
Ion	Ratio	Lower	Upper
244	100		
212	7.4	5.6	8.4
122	10.0	9.0	13.4



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: 15.47 min Scan# 2275

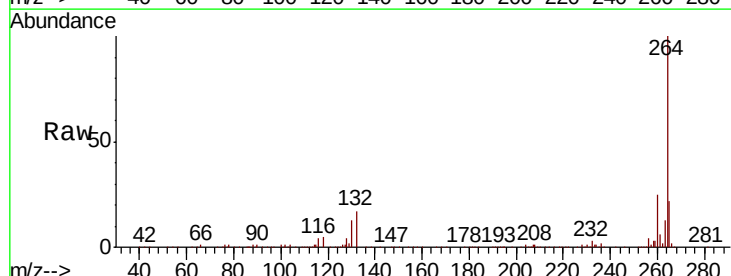
Delta R.T. 0.00 min

Lab File: BF120771.D

Acq: 6 Jul 2020 11:33

Tgt Ion:264 Resp: 447534

Ion	Ratio	Lower	Upper
264	100		
260	25.0	20.6	30.8
265	21.8	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

