

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071420\
 Data File : BF120861.D
 Acq On : 14 Jul 2020 15:17
 Operator : JU/CG
 Sample : L3282-04
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OUTSIDE-GATE-OLDEN-AVE

Quant Time: Jul 14 15:49:14 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF070220.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 13 14:16:14 2020
 Response via : Initial Calibration

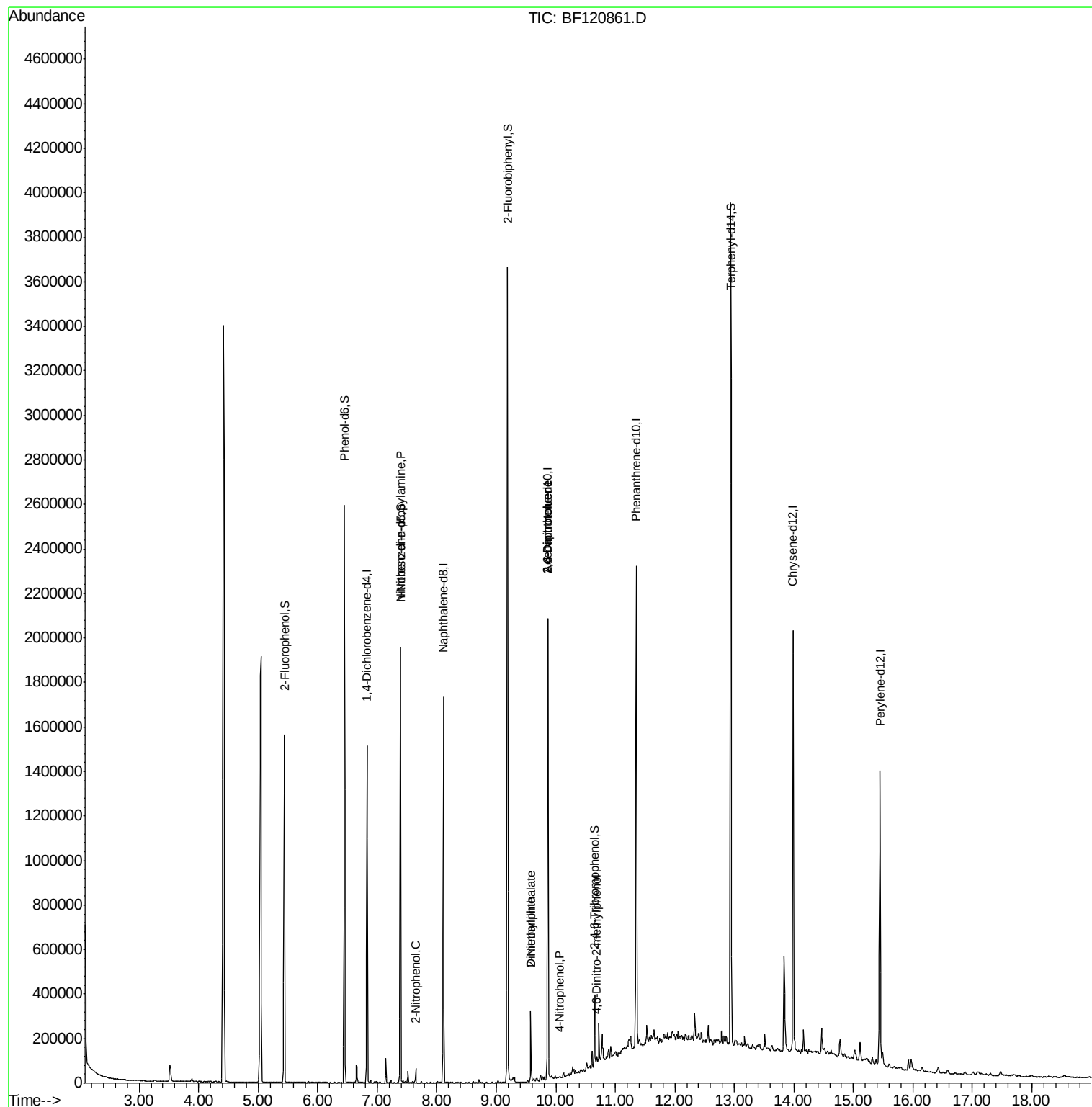
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	202621	20.00	ng	0.00
21) Naphthalene-d8	8.11	136	789381	20.00	ng	0.00
39) Acenaphthene-d10	9.87	164	405387	20.00	ng	0.00
64) Phenanthrene-d10	11.35	188	780099	20.00	ng	0.00
76) Chrysene-d12	13.99	240	661017	20.00	ng	-0.02
86) Perylene-d12	15.44	264	594123	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.44	112	423531	32.27	ng	0.00
7) Phenol-d6	6.45	99	878919	52.43	ng	-0.01
23) Nitrobenzene-d5	7.39	82	665486	48.84	ng	0.00
42) 2,4,6-Tribromophenol	10.65	330	34352	8.43	ng	-0.01
45) 2-Fluorobiphenyl	9.19	172	1251419	46.70	ng	0.00
79) Terphenyl-d14	12.94	244	1285071	38.06	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.39	70	88447	8.763	ng	# 73
26) 2-Nitrophenol	7.65	139	343	4.018	ng	# 60
48) 2-Nitroaniline	9.58	65	1283	2.774	ng	# 1
50) Dimethylphthalate	9.58	163	116026	3.923	ng	99
51) 2,6-Dinitrotoluene	9.87	165	53209	10.901	ng	# 17
56) 4-Nitrophenol	10.07	139	167	2.121	ng	# 19
57) 2,4-Dinitrotoluene	9.87	165	53209	9.877	ng	# 15
65) 4,6-Dinitro-2-methylphenol	10.68	198	109	7.036	ng	# 1

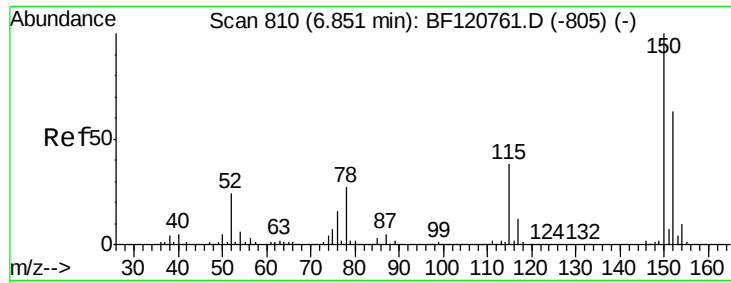
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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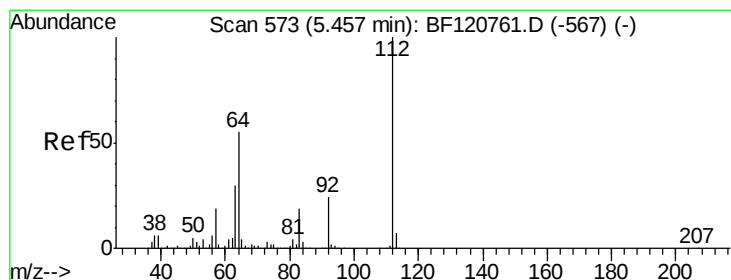
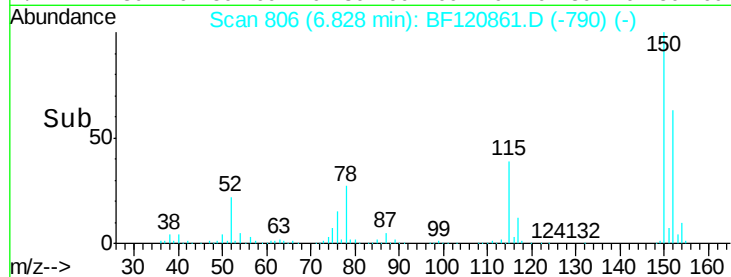
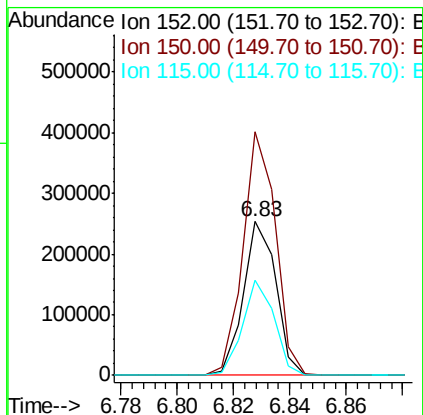
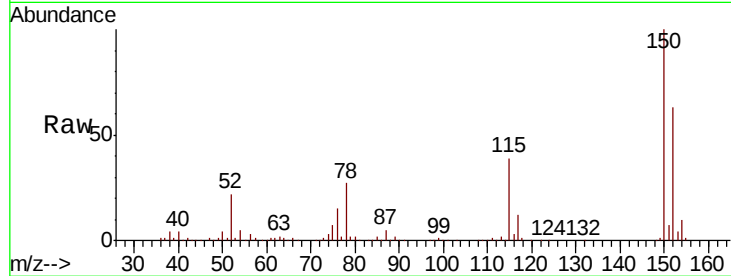


#1

1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.83 min Scan# 806
 Delta R.T. -0.01 min
 Lab File: BF120861.D
 Acq: 14 Jul 2020 15:17

Instrument :
 BNA_F
 ClientSampleId :
 OUTSIDE-GATE-OLDEN-AVE

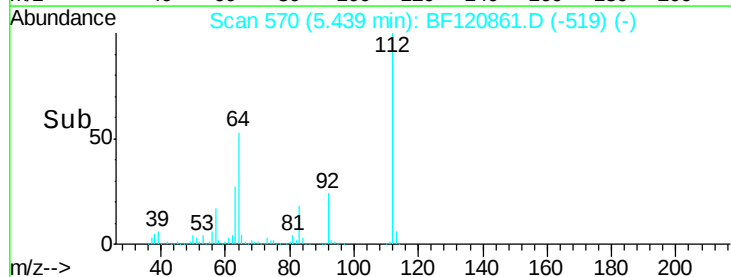
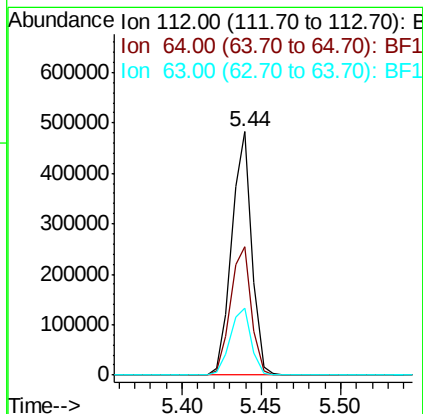
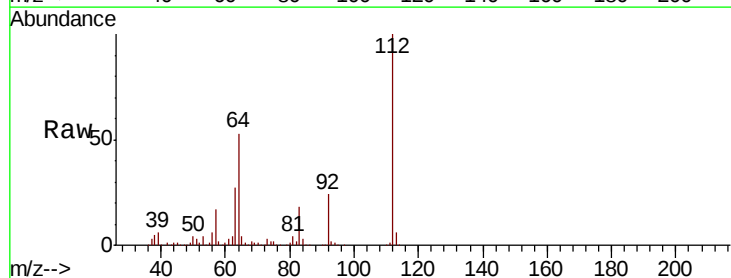
Tot Ion	Ratio	Lower	Upper
152	100		
150	158.5	126.1	189.1
115	61.9	48.5	72.7



#5

2-Fluorophenol
 Concen: 32.266 ng
 RT: 5.44 min Scan# 570
 Delta R.T. -0.00 min
 Lab File: BF120861.D
 Acq: 14 Jul 2020 15:17

Tgt Ion	Ratio	Lower	Upper
112	100		
64	52.8	43.8	65.6
63	27.4	23.6	35.4





#7

Phenol-d6

Concen: 52.433 ng

RT: 6.45 min Scan# 742

Delta R.T. -0.01 min

Lab File: BF120861.D

Acq: 14 Jul 2020 15:17

Instrument :

BNA_F

ClientSampleId :

OUTSIDE-GATE-OLDEN-AVE

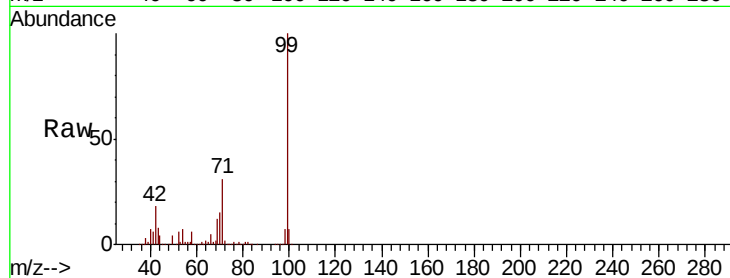
Tot Ion: 99 Resp: 878919

Ion Ratio Lower Upper

99 100

42 17.7 15.4 23.0

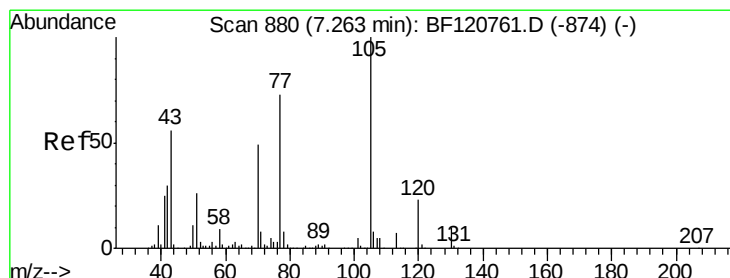
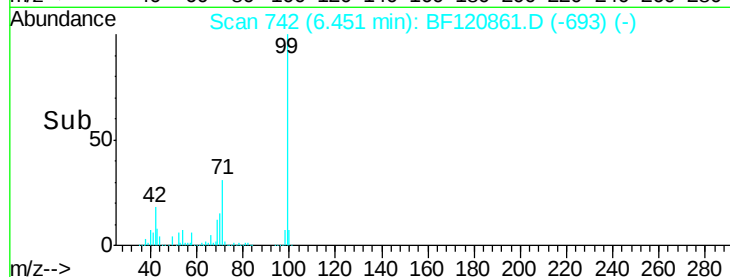
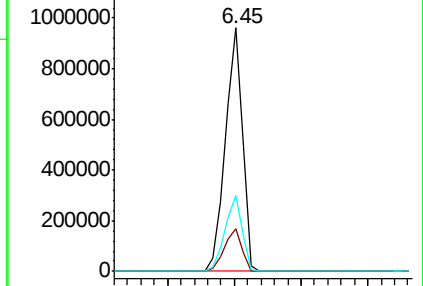
71 31.1 25.9 38.9



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: 8.763 ng

RT: 7.39 min Scan# 902

Delta R.T. 0.14 min

Lab File: BF120861.D

Acq: 14 Jul 2020 15:17

Tgt Ion: 70 Resp: 88447

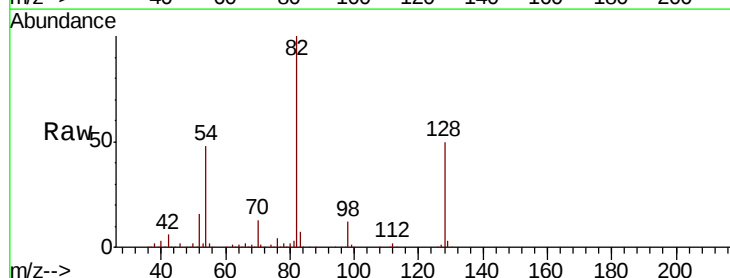
Ion Ratio Lower Upper

70 100

42 45.0 50.3 75.5#

101 0.0 7.5 11.3#

130 2.3 16.1 24.1#

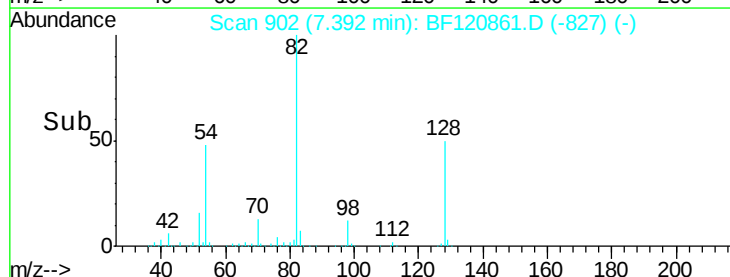
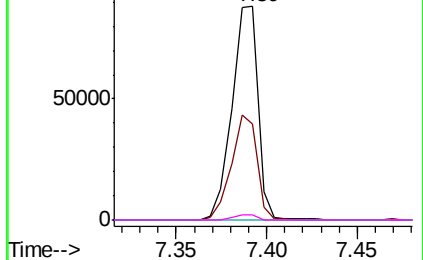


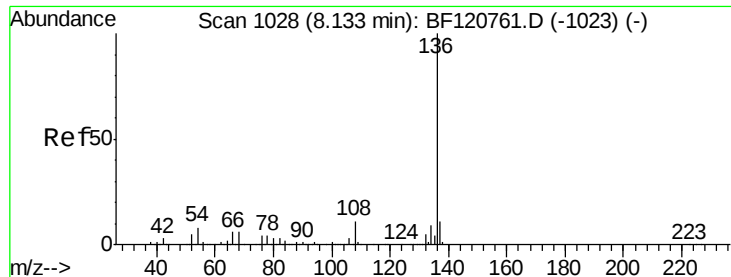
Abundance Ion 70.00 (69.70 to 70.70): BF1

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: 8.11 min Scan# 1024

Delta R.T. -0.01 min

Lab File: BF120861.D

Acq: 14 Jul 2020 15:17

Instrument :

BNA_F

ClientSampleId :

OUTSIDE-GATE-OLDEN-AVE

Tot Ion:136 Resp: 789381

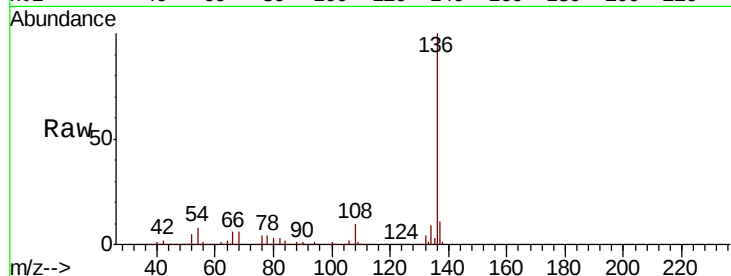
Ion Ratio Lower Upper

136 100

137 11.4 9.0 13.6

54 8.0 6.2 9.4

68 6.2 4.7 7.1

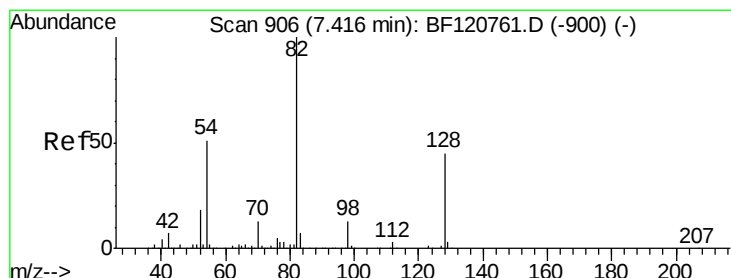
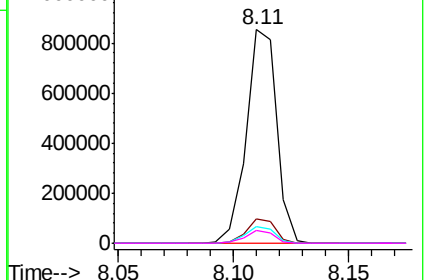
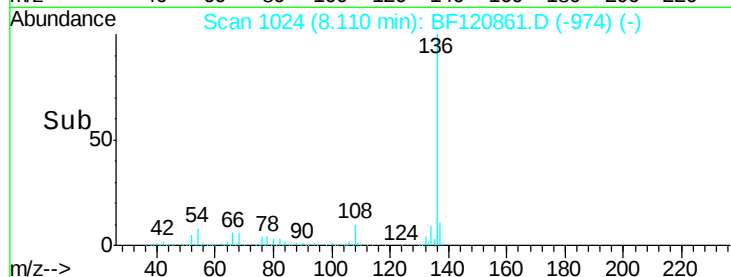


Abundance Ion 136.00 (135.70 to 136.70): E

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: 48.844 ng

RT: 7.39 min Scan# 902

Delta R.T. -0.01 min

Lab File: BF120861.D

Acq: 14 Jul 2020 15:17

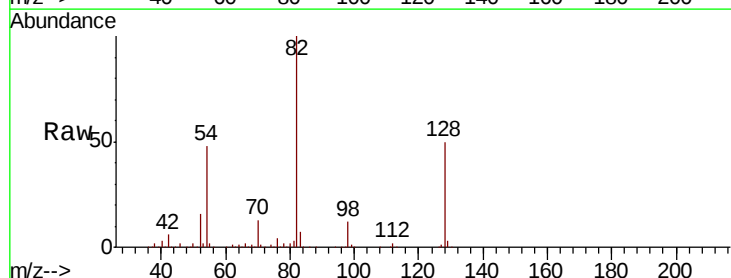
Tgt Ion: 82 Resp: 665486

Ion Ratio Lower Upper

82 100

128 49.7 35.7 53.5

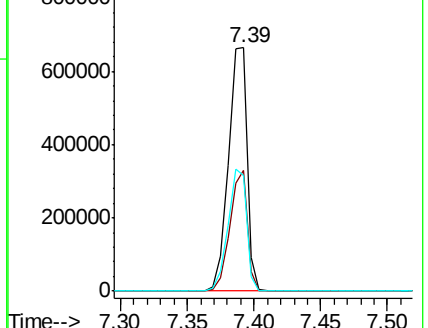
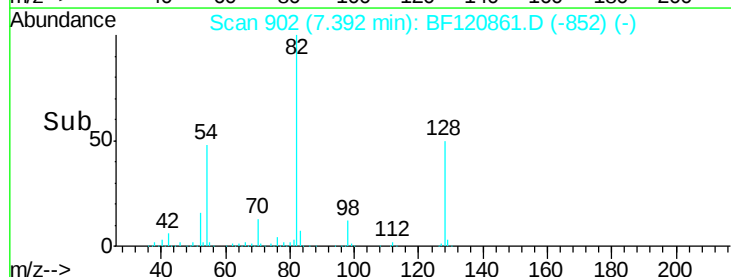
54 47.5 40.9 61.3

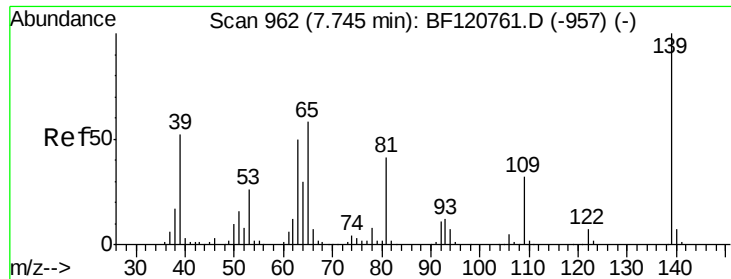


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1

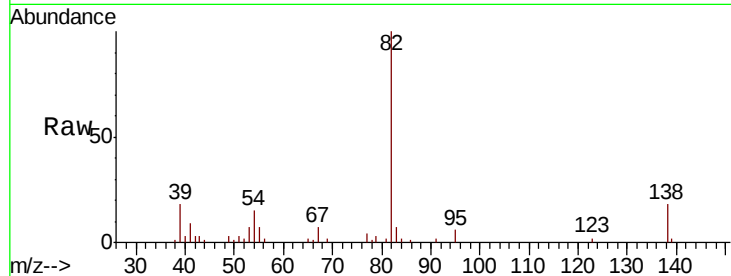




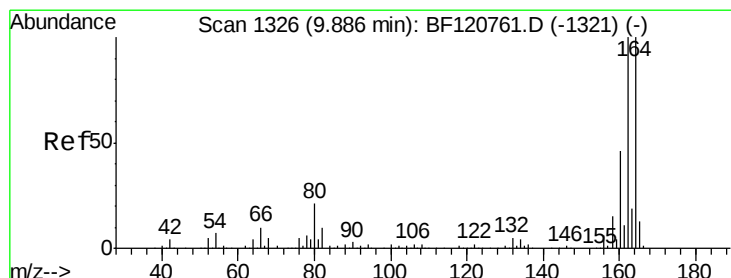
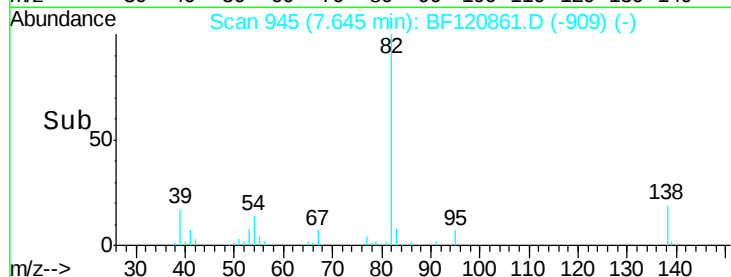
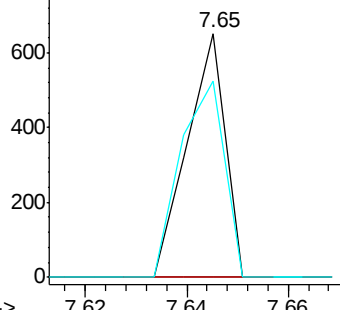
#26
2-Nitrophenol
Concen: 4.018 ng
RT: 7.65 min Scan# 945
Delta R.T. -0.09 min
Lab File: BF120861.D
Acq: 14 Jul 2020 15:17

Instrument :
BNA_F
ClientSampleId :
OUTSIDE-GATE-OLDEN-AVE

Tot Ion:139 Resp: 343
Ion Ratio Lower Upper
139 100
109 0.0 25.3 37.9#
65 80.3 46.2 69.2#

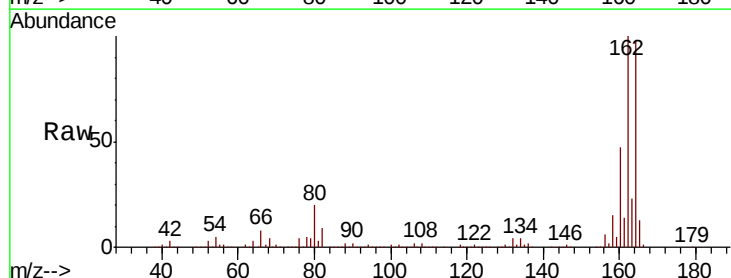


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF1

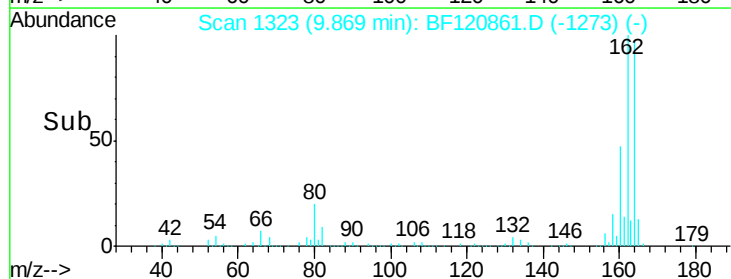
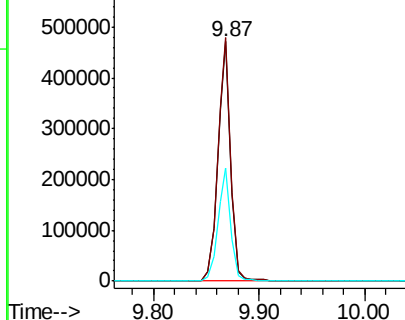


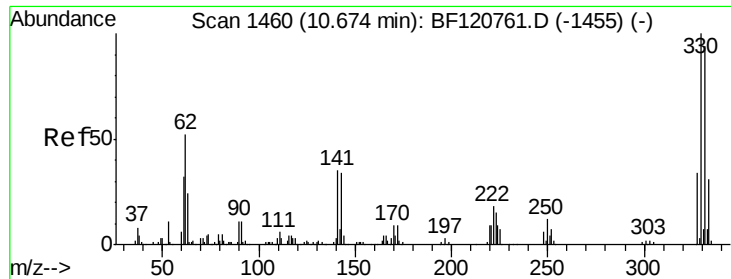
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.87 min Scan# 1323
Delta R.T. -0.01 min
Lab File: BF120861.D
Acq: 14 Jul 2020 15:17

Tgt Ion:164 Resp: 405387
Ion Ratio Lower Upper
164 100
162 101.8 80.2 120.2
160 47.5 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

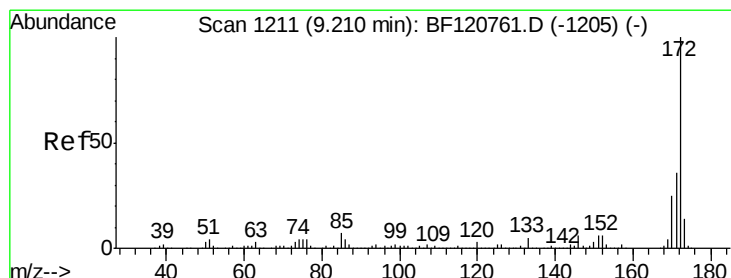
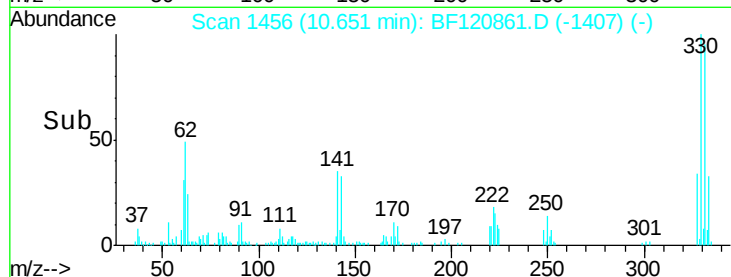
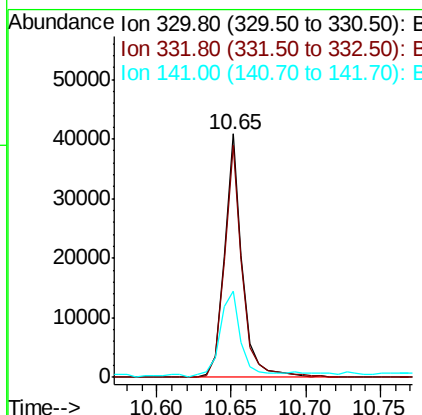
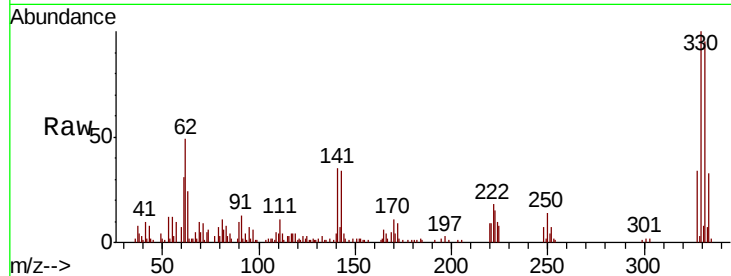




#42
 2,4,6-Tribromophenol
 Concen: 8.435 ng
 RT: 10.65 min Scan# 1456
 Delta R.T. -0.01 min
 Lab File: BF120861.D
 Acq: 14 Jul 2020 15:17

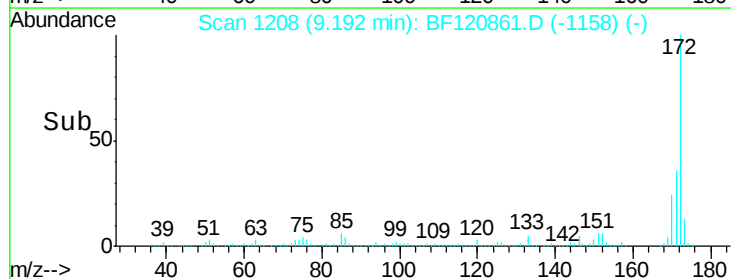
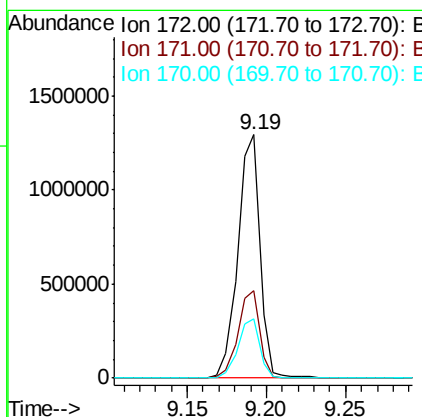
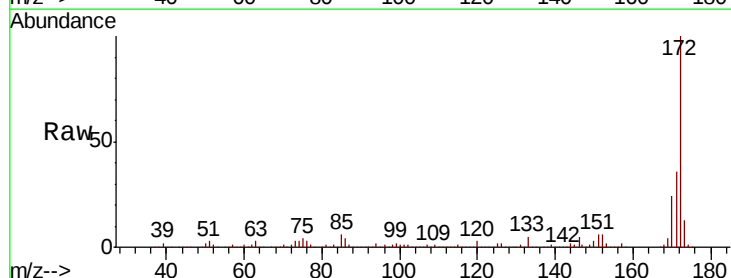
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 BNA_F
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 OUTSIDE-GATE-OLDEN-AVE

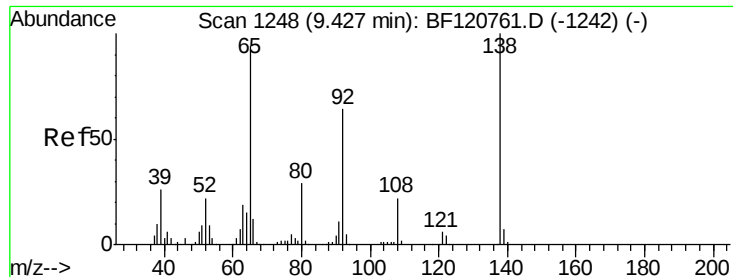
Tot Ion:330 Resp: 34352
 Ion Ratio Lower Upper
 330 100
 332 96.2 75.8 113.6
 141 42.3 29.7 44.5



#45
 2-Fluorobiphenyl
 Concen: 46.704 ng
 RT: 9.19 min Scan# 1208
 Delta R.T. -0.01 min
 Lab File: BF120861.D
 Acq: 14 Jul 2020 15:17

Tgt Ion:172 Resp: 1251419
 Ion Ratio Lower Upper
 172 100
 171 35.8 29.1 43.7
 170 24.2 19.8 29.6

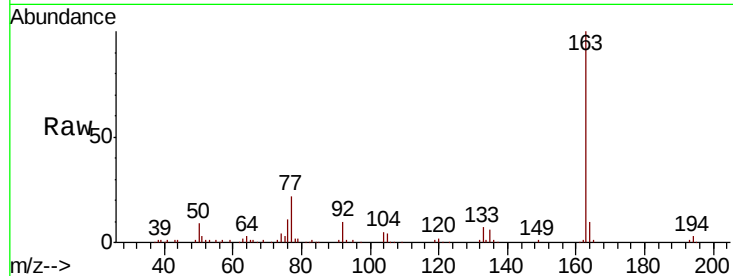




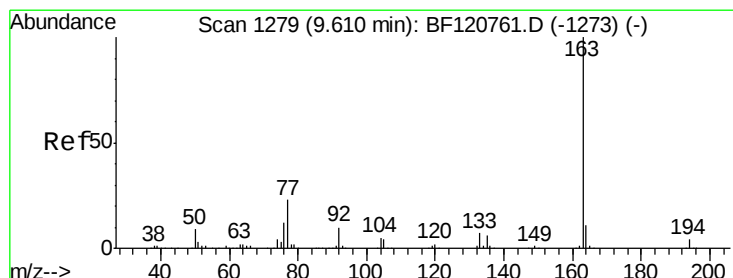
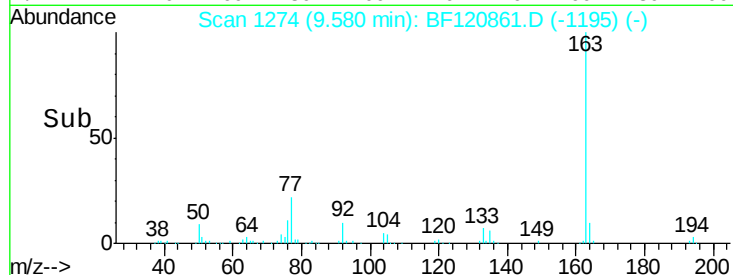
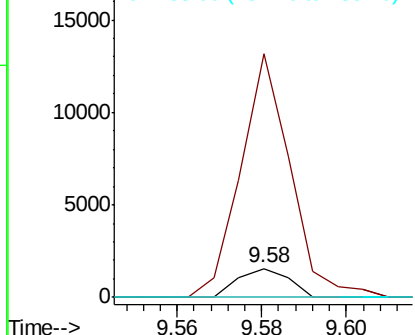
#48
2-Nitroaniline
Concen: 2.774 ng
RT: 9.58 min Scan# 1274
Delta R.T. 0.16 min
Lab File: BF120861.D
Acq: 14 Jul 2020 15:17

Instrument :
BNA_F
ClientSampleId :
OUTSIDE-GATE-OLDEN-AVE

Tot Ion: 65 Resp: 1283
Ion Ratio Lower Upper
65 100
92 842.3 54.4 81.6#
138 0.0 84.7 127.1#

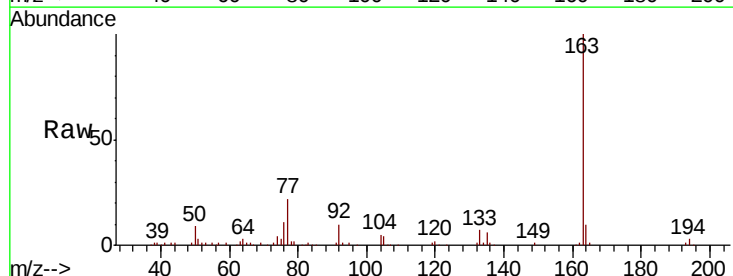


Abundance Ion 65.00 (64.70 to 65.70): BF1
Ion 92.00 (91.70 to 92.70): BF1
Ion 138.00 (137.70 to 138.70): BF1

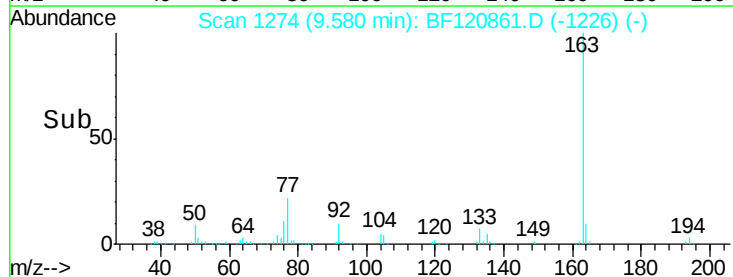
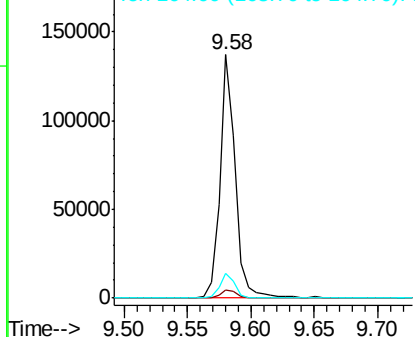


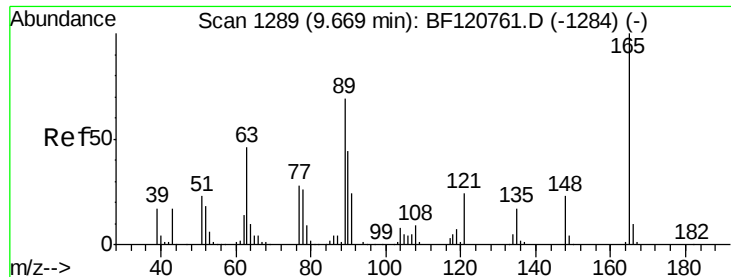
#50
Dimethylphthalate
Concen: 3.923 ng
RT: 9.58 min Scan# 1274
Delta R.T. -0.02 min
Lab File: BF120861.D
Acq: 14 Jul 2020 15:17

Tgt Ion: 163 Resp: 116026
Ion Ratio Lower Upper
163 100
194 3.3 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

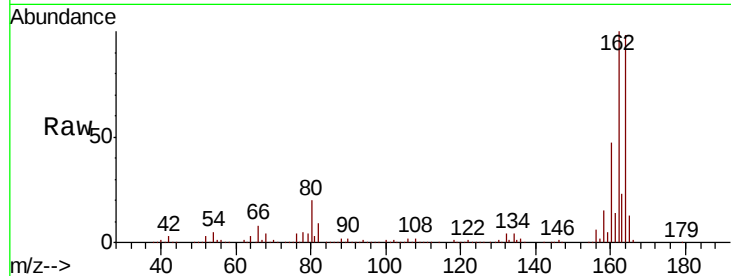




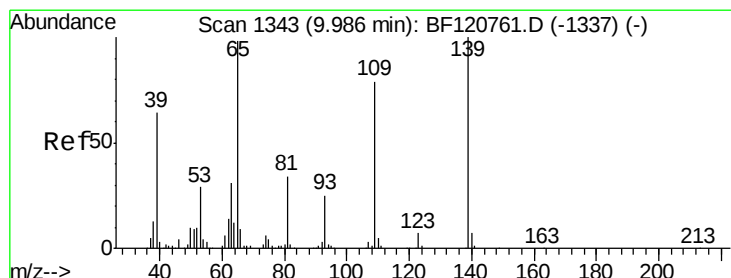
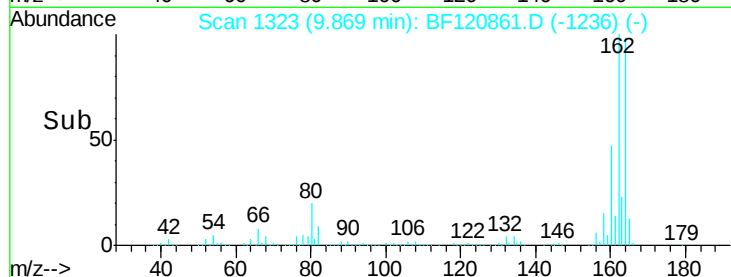
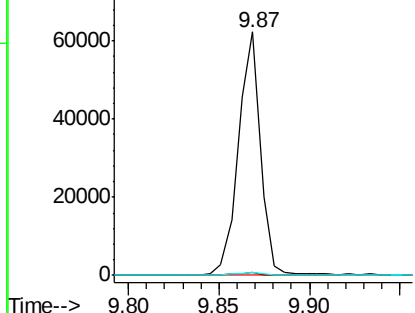
#51
 2,6-Dinitrotoluene
 Concen: 10.901 ng
 RT: 9.87 min Scan# 1323
 Delta R.T. 0.21 min
 Lab File: BF120861.D
 Acq: 14 Jul 2020 15:17

Instrument :
 BNA_F
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 OUTSIDE-GATE-OLDEN-AVE

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.0	54.0	81.0#
89	1.2	55.4	83.2#

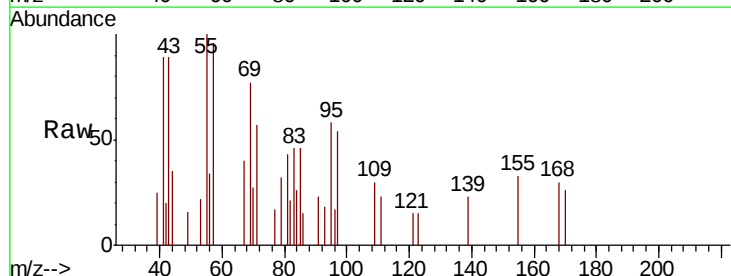


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

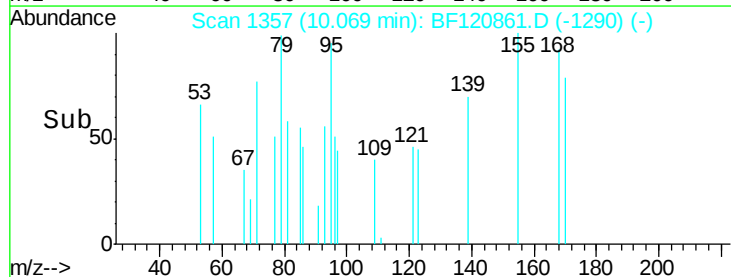
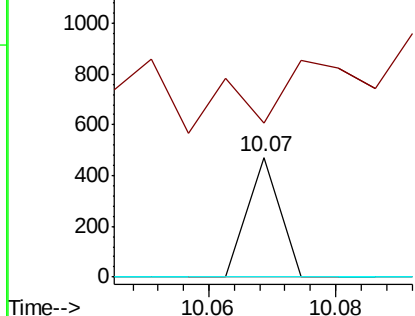


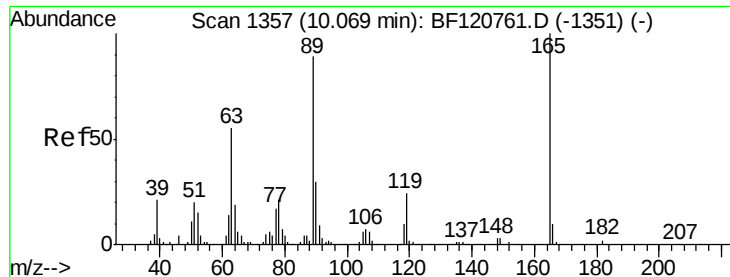
#56
 4-Nitrophenol
 Concen: 2.121 ng
 RT: 10.07 min Scan# 1357
 Delta R.T. 0.09 min
 Lab File: BF120861.D
 Acq: 14 Jul 2020 15:17

Tgt Ion	Ratio	Lower	Upper
139	100		
109	128.5	58.6	98.6#
65	0.0	78.7	118.7#



Abundance Ion 139.00 (138.70 to 139.70): E
 Ion 109.00 (108.70 to 109.70): E
 Ion 65.00 (64.70 to 65.70): BF1

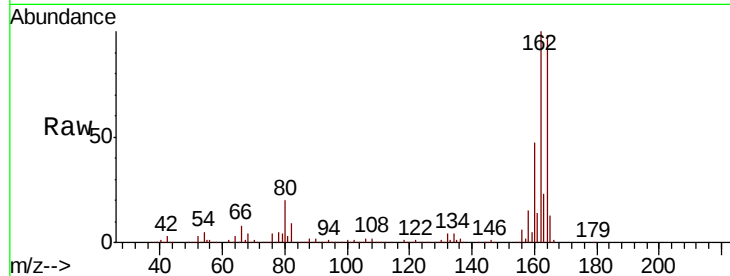




#57
 2,4-Dinitrotoluene
 Concen: 9.877 ng
 RT: 9.87 min Scan# 1323
 Delta R.T. -0.19 min
 Lab File: BF120861.D
 Acq: 14 Jul 2020 15:17

Instrument :
 BNA_F
 ClientSampleId :
 OUTSIDE-GATE-OLDEN-AVE

Tot 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#

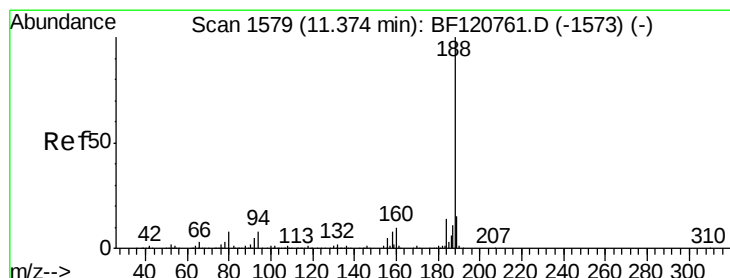
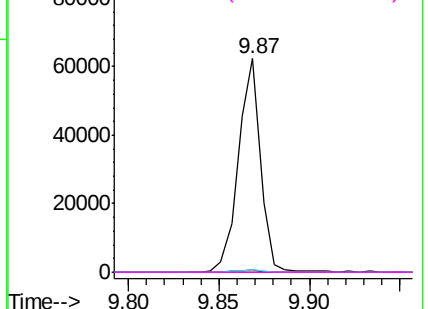
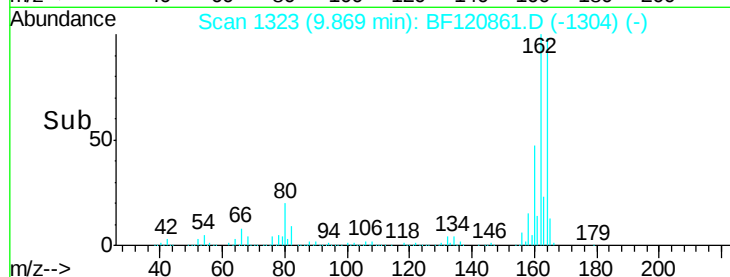


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

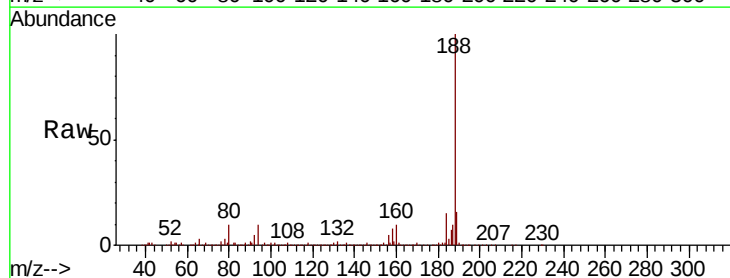
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.35 min Scan# 1575
 Delta R.T. -0.01 min
 Lab File: BF120861.D
 Acq: 14 Jul 2020 15:17

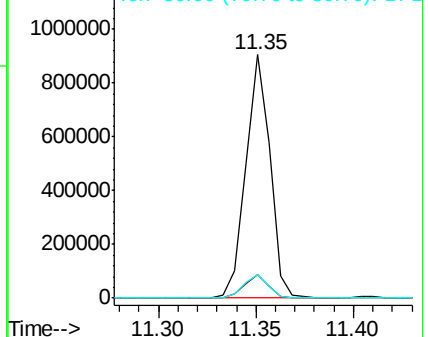
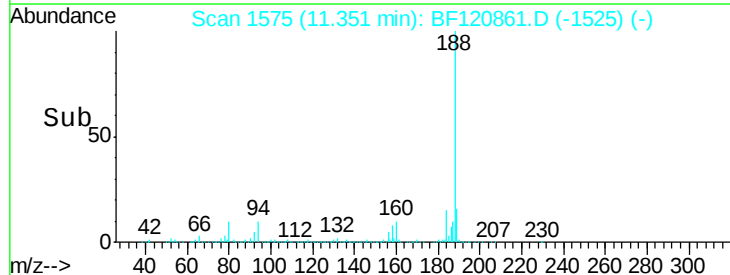
Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.8	6.6	9.8
80	9.8	6.6	10.0

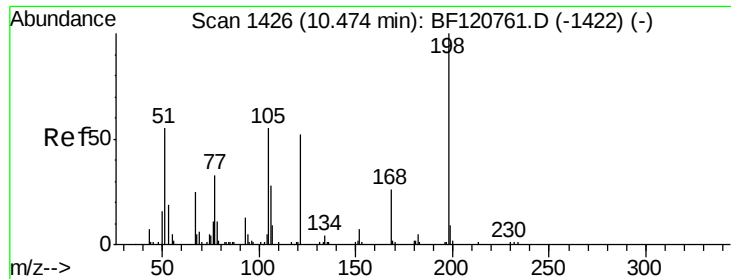


Abundance Ion 188.00 (187.70 to 188.70): E

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: 7.036 ng

RT: 10.68 min Scan# 1461

Delta R.T. 0.22 min

Lab File: BF120861.D

Acq: 14 Jul 2020 15:17

Instrument :

BNA_F

ClientSampleId :

OUTSIDE-GATE-OLDEN-AVE

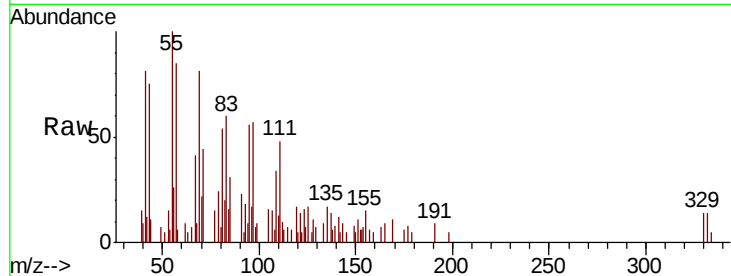
Tot Ion:198 Resp: 109

Ion Ratio Lower Upper

198 100

51 101.6 50.0 90.0#

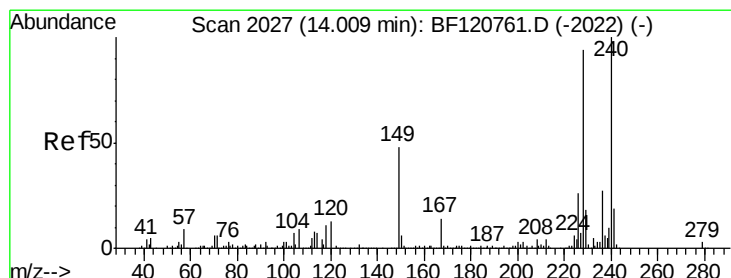
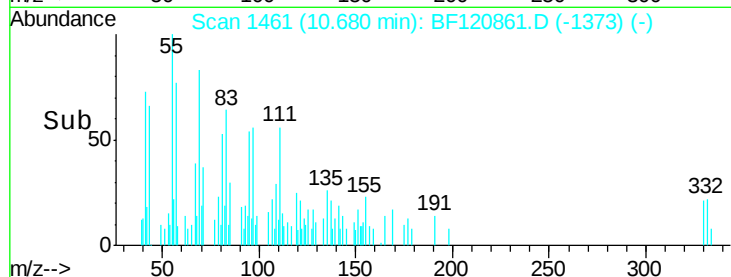
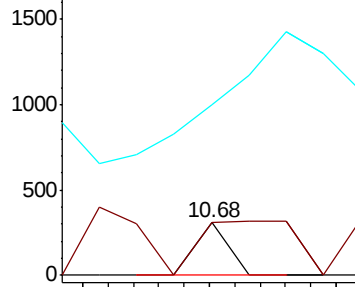
105 325.3 38.3 78.3#



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



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.99 min Scan# 2023

Delta R.T. -0.02 min

Lab File: BF120861.D

Acq: 14 Jul 2020 15:17

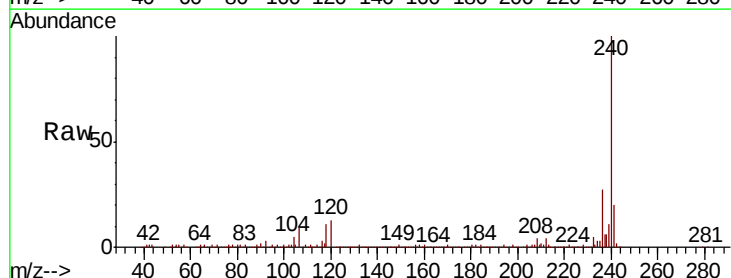
Tgt Ion:240 Resp: 661017

Ion Ratio Lower Upper

240 100

120 12.5 10.3 15.5

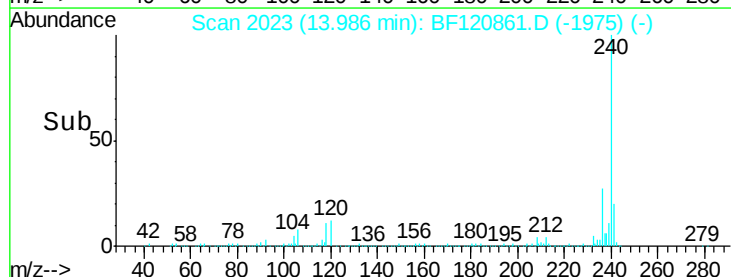
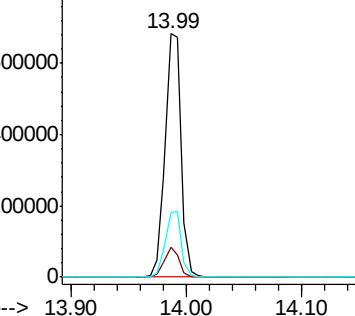
236 26.6 21.4 32.2

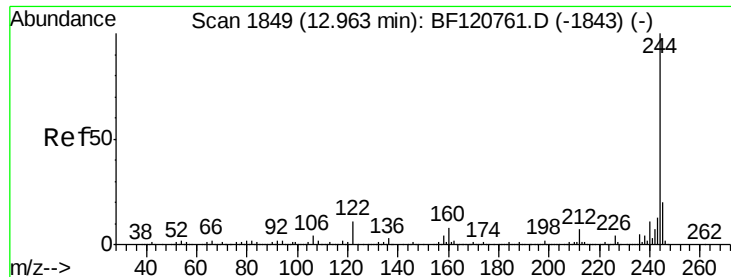


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

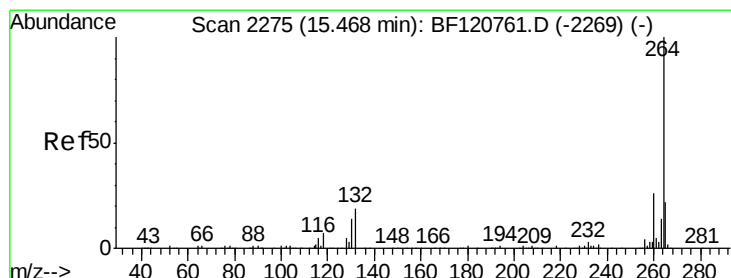
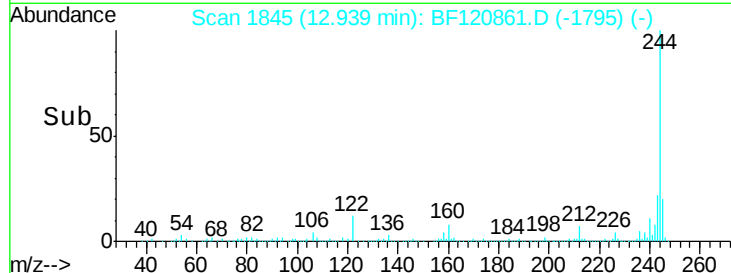
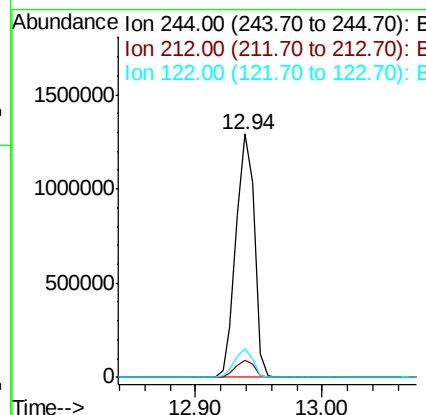
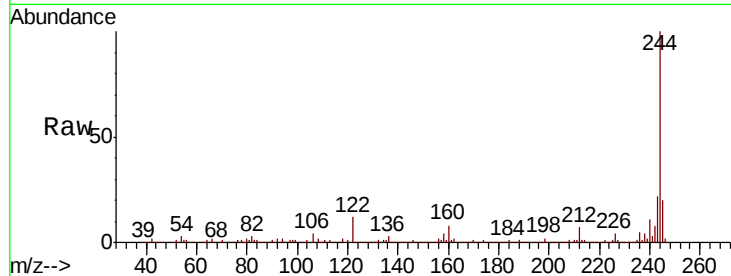




#79
 Terphenyl-d14
 Concen: 38.063 ng
 RT: 12.94 min Scan# 1845
 Delta R.T. -0.01 min
 Lab File: BF120861.D
 Acq: 14 Jul 2020 15:17

Instrument :
 BNA_F
 ClientSampleId :
 OUTSIDE-GATE-OLDEN-AVE

Tot Ion:244 Resp: 1285071
 Ion Ratio Lower Upper
 244 100
 212 7.2 5.6 8.4
 122 11.9 9.0 13.4



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.44 min Scan# 2271
 Delta R.T. -0.01 min
 Lab File: BF120861.D
 Acq: 14 Jul 2020 15:17

Tgt Ion:264 Resp: 594123
 Ion Ratio Lower Upper
 264 100
 260 24.3 20.6 30.8
 265 21.9 17.6 26.4

