

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071420\
 Data File : BF120862.D
 Acq On : 14 Jul 2020 15:47
 Operator : JU/CG
 Sample : L3282-10
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 T-3

Quant Time: Jul 14 16:42:38 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

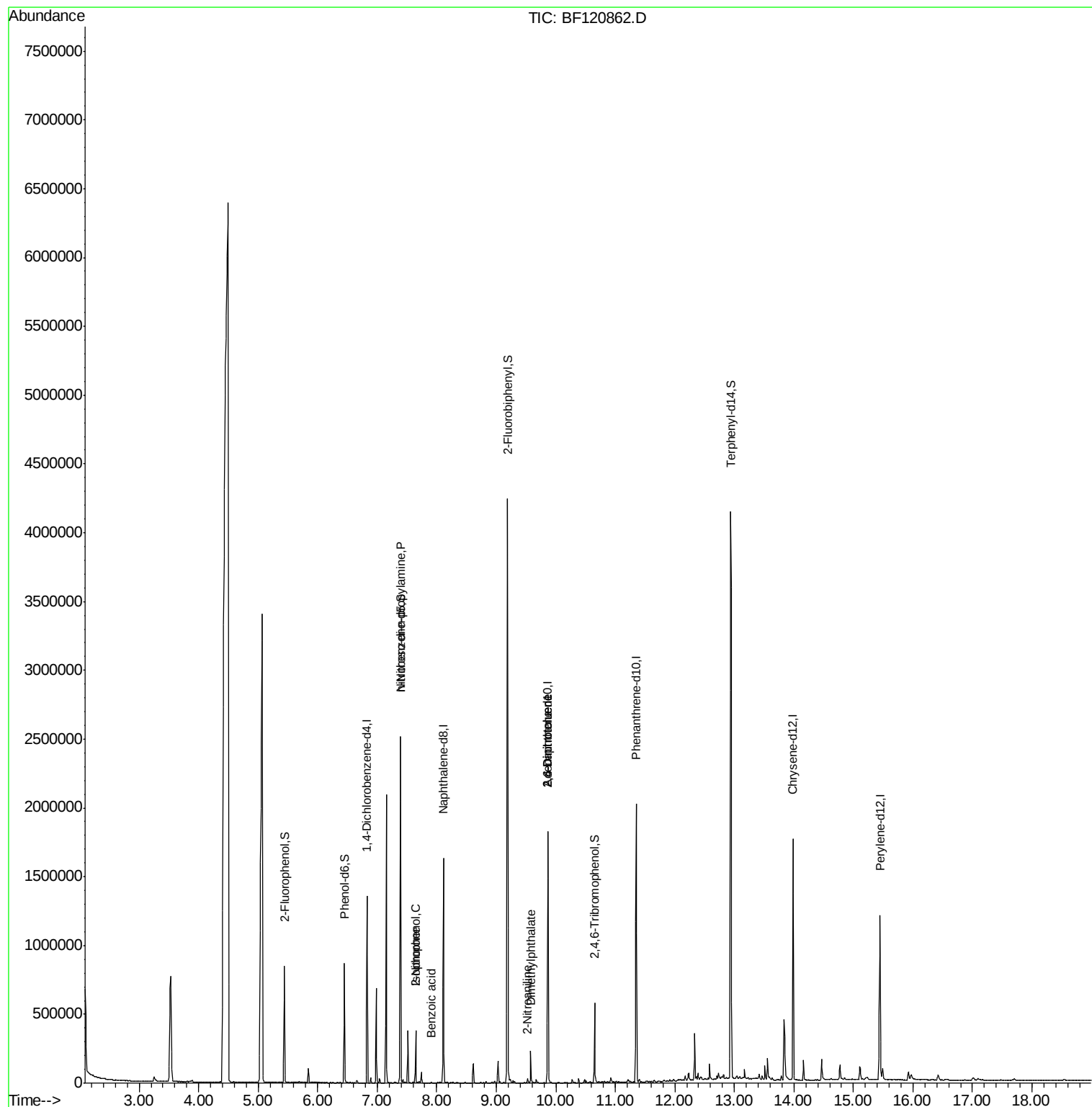
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	181362	20.00	ng	0.00
21) Naphthalene-d8	8.11	136	706087	20.00	ng	0.00
39) Acenaphthene-d10	9.87	164	363061	20.00	ng	0.00
64) Phenanthrene-d10	11.35	188	695506	20.00	ng	0.00
76) Chrysene-d12	13.99	240	574989	20.00	ng	-0.02
86) Perylene-d12	15.44	264	520806	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.44	112	217490	18.51	ng	0.00
7) Phenol-d6	6.45	99	271342	18.08	ng	-0.02
23) Nitrobenzene-d5	7.39	82	799991	65.64	ng	0.00
42) 2,4,6-Tribromophenol	10.65	330	61619	16.89	ng	-0.01
45) 2-Fluorobiphenyl	9.19	172	1435167	59.81	ng	0.00
79) Terphenyl-d14	12.94	244	1485426	50.58	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.39	70	106745	11.816	ng	Qvalue # 75
25) Isophorone	7.65	82	135485	5.155	ng	98
26) 2-Nitrophenol	7.65	139	2159	4.313	ng	# 58
32) Benzoic acid	7.92	122	269	4.257	ng	# 1
48) 2-Nitroaniline	9.53	65	321	2.663	ng	# 5
50) Dimethylphthalate	9.58	163	86722	3.274	ng	98
51) 2,6-Dinitrotoluene	9.87	165	46276	10.652	ng	# 17
57) 2,4-Dinitrotoluene	9.87	165	46276	9.680	ng	# 15

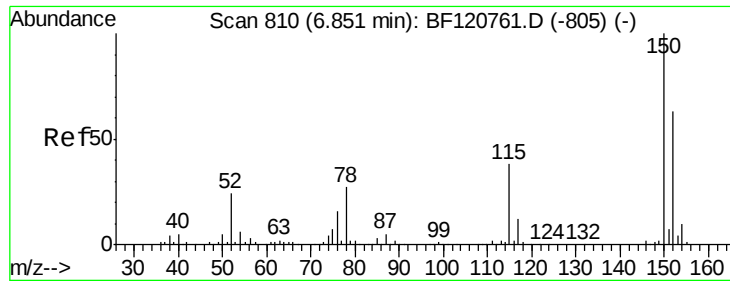
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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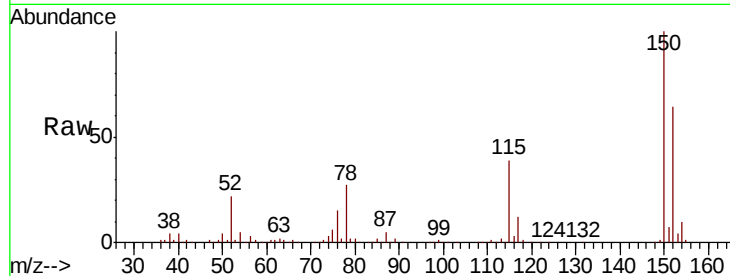


#1

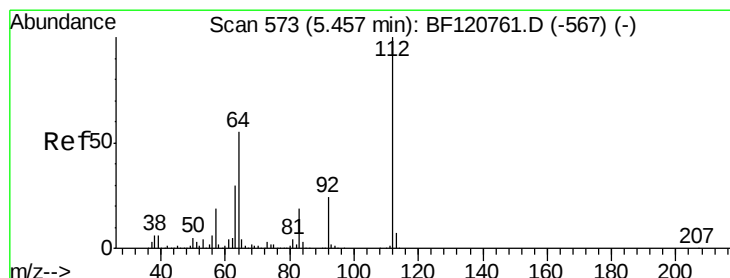
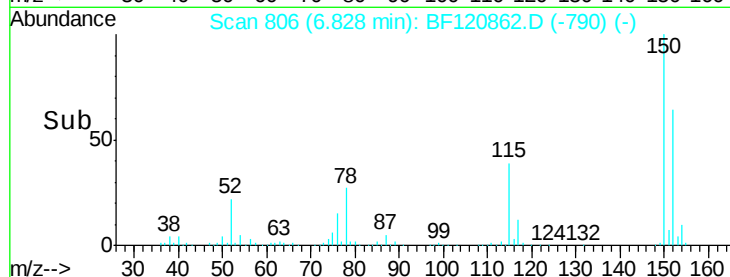
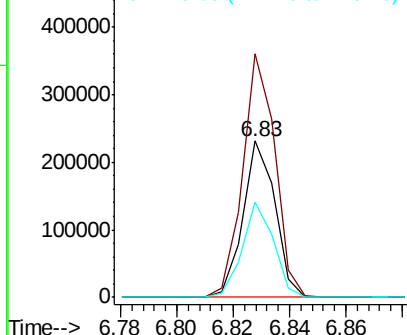
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 806
Delta R.T. -0.01 min
Lab File: BF120862.D
Acq: 14 Jul 2020 15:47

Instrument :
BNA_F
ClientSampled :
T-3

Tot Ion:152 Resp: 181362
Ion Ratio Lower Upper
152 100
150 156.1 126.1 189.1
115 60.7 48.5 72.7



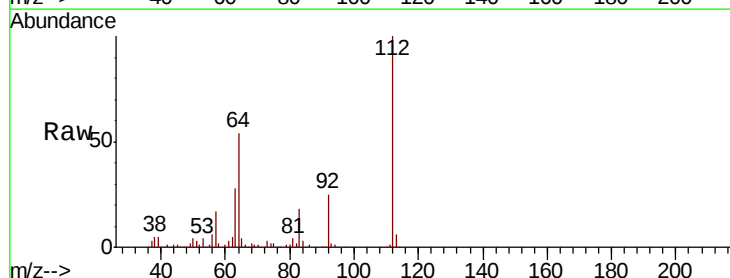
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



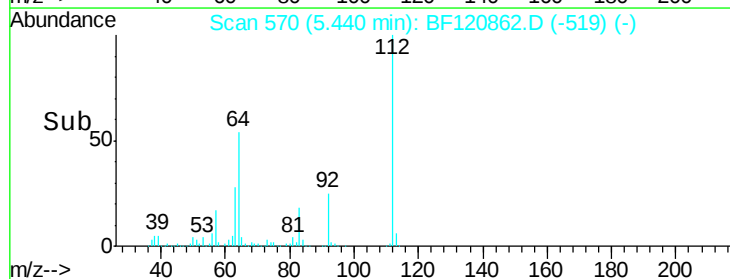
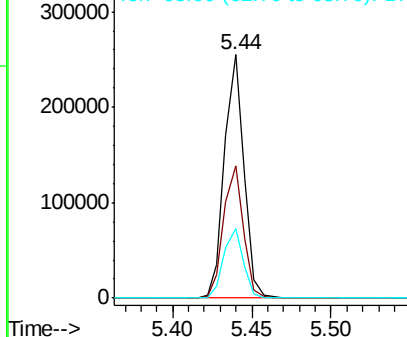
#5

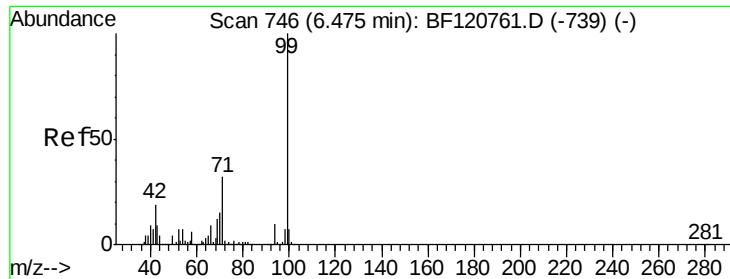
2-Fluorophenol
Concen: 18.512 ng
RT: 5.44 min Scan# 570
Delta R.T. 0.00 min
Lab File: BF120862.D
Acq: 14 Jul 2020 15:47

Tgt Ion:112 Resp: 217490
Ion Ratio Lower Upper
112 100
64 54.4 43.8 65.6
63 28.5 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: 18.085 ng

RT: 6.45 min Scan# 741

Delta R.T. -0.02 min

Lab File: BF120862.D

Acq: 14 Jul 2020 15:47

Instrument :

BNA_F

ClientSampleId :

T-3

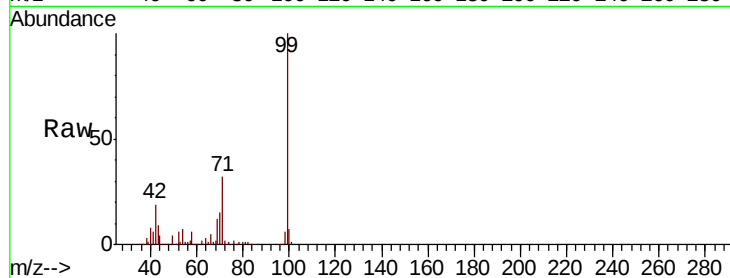
Tot Ion: 99 Resp: 271342

Ion Ratio Lower Upper

99 100

42 18.9 15.4 23.0

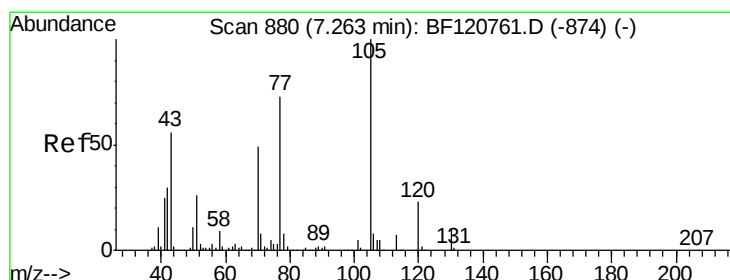
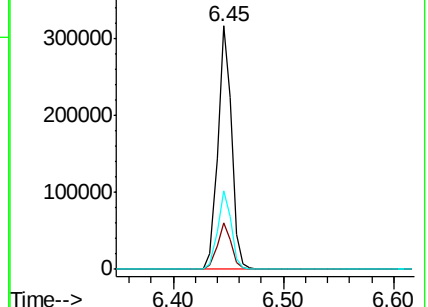
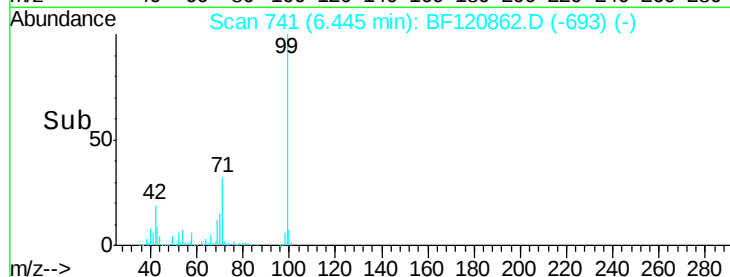
71 32.2 25.9 38.9



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: 11.816 ng

RT: 7.39 min Scan# 902

Delta R.T. 0.14 min

Lab File: BF120862.D

Acq: 14 Jul 2020 15:47

Tgt Ion: 70 Resp: 106745

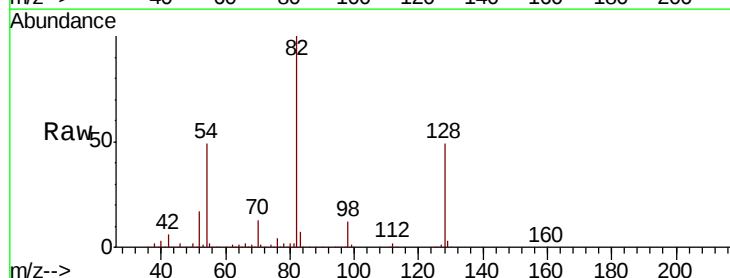
Ion Ratio Lower Upper

70 100

42 46.5 50.3 75.5#

101 0.0 7.5 11.3#

130 2.5 16.1 24.1#

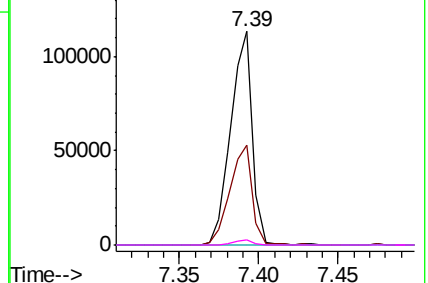
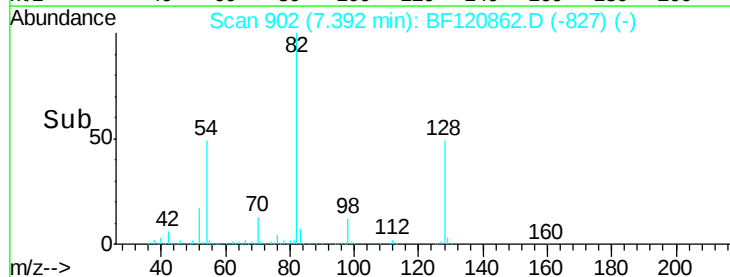


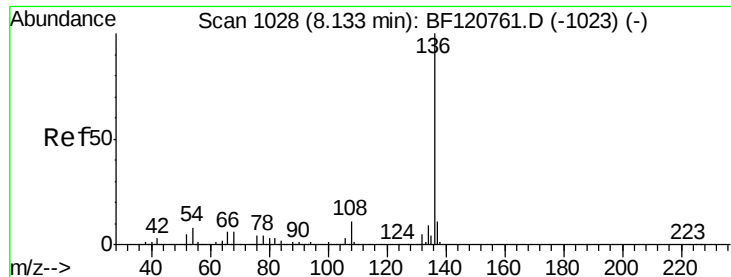
Abundance Ion 70.00 (69.70 to 70.70): BF1

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: BF120862.D

Acq: 14 Jul 2020 15:47

Instrument :

BNA_F

ClientSampleId :

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Tot Ion:136 Resp: 706087

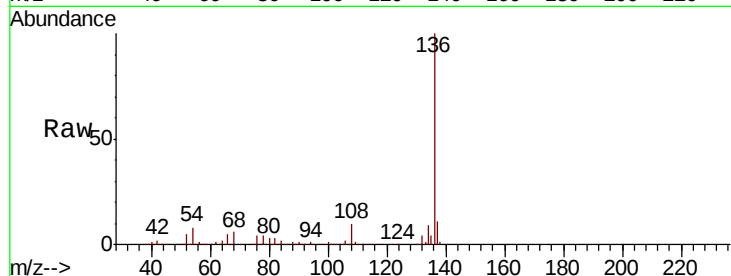
Ion Ratio Lower Upper

136 100

137 11.3 9.0 13.6

54 8.0 6.2 9.4

68 6.1 4.7 7.1

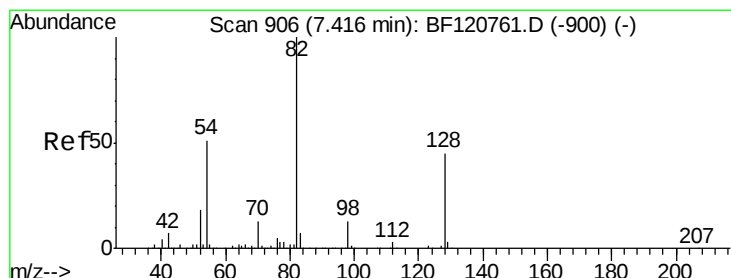
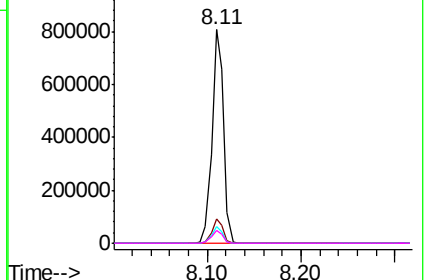
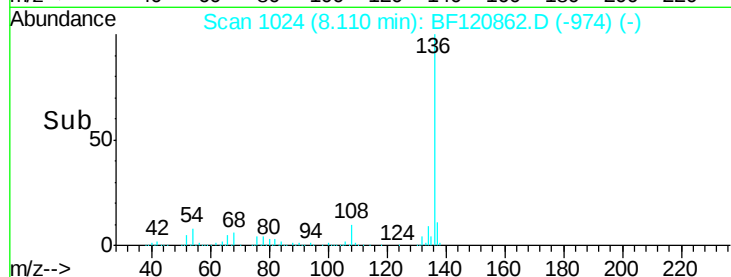


Abundance Ion 136.00 (135.70 to 136.70): E

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: 65.643 ng

RT: 7.39 min Scan# 902

Delta R.T. -0.01 min

Lab File: BF120862.D

Acq: 14 Jul 2020 15:47

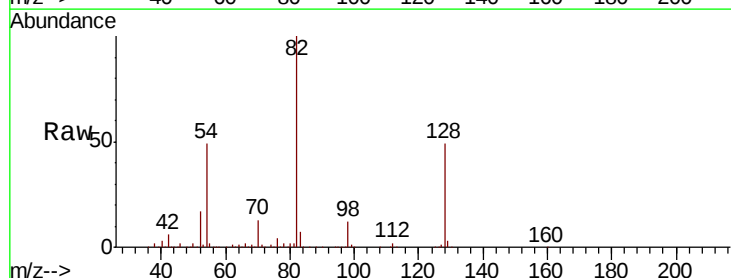
Tgt Ion: 82 Resp: 799991

Ion Ratio Lower Upper

82 100

128 48.6 35.7 53.5

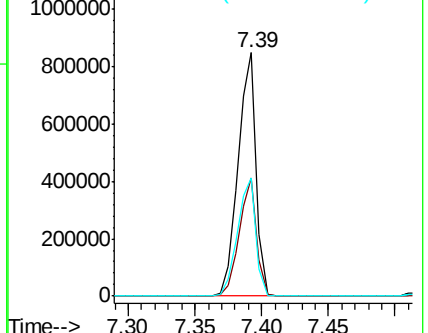
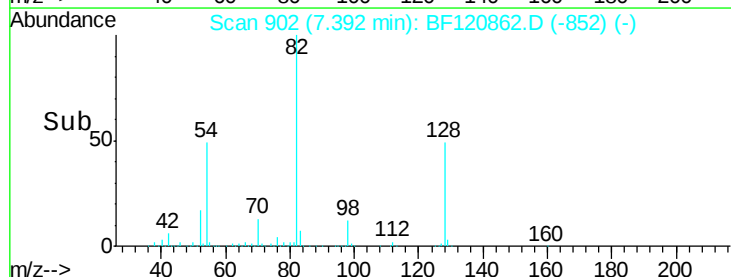
54 48.7 40.9 61.3

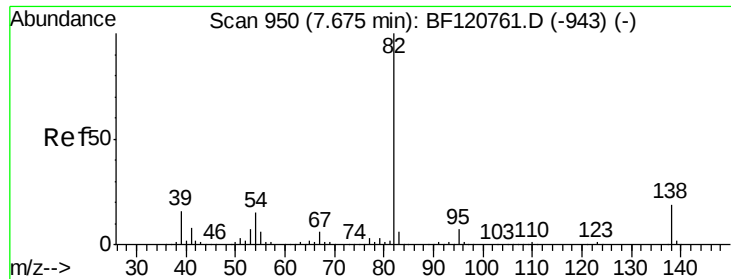


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 5.155 ng

RT: 7.65 min Scan# 945

Delta R.T. -0.01 min

Lab File: BF120862.D

Acq: 14 Jul 2020 15:47

Instrument :

BNA_F

ClientSampleId :

T-3

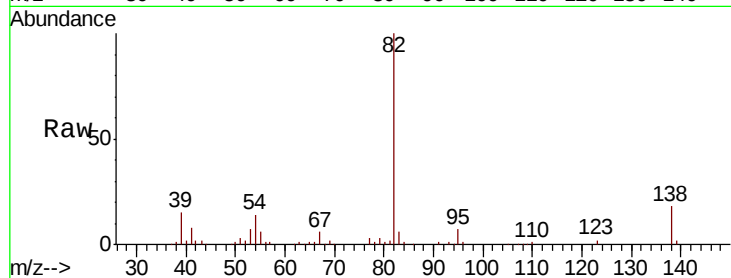
Tot Ion: 82 Resp: 135485

Ion Ratio Lower Upper

82 100

95 6.5 5.4 8.2

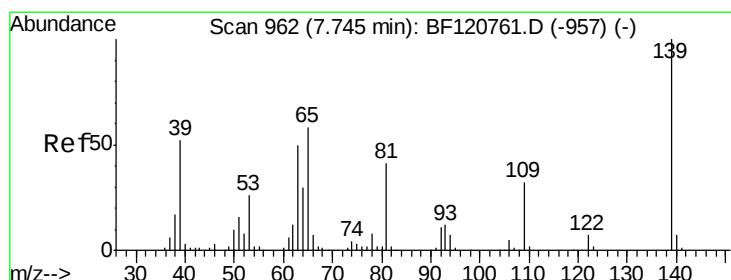
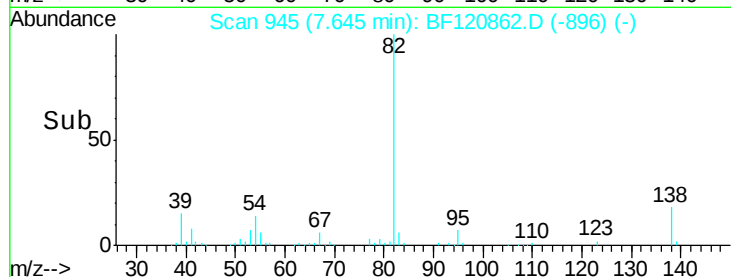
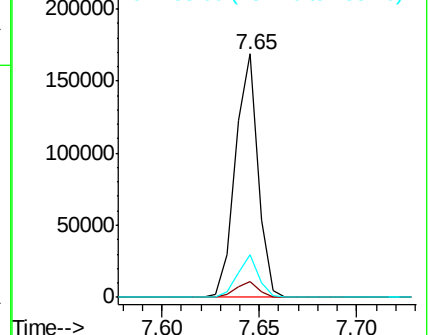
138 17.7 15.0 22.4



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



#26

2-Nitrophenol

Concen: 4.313 ng

RT: 7.65 min Scan# 945

Delta R.T. -0.09 min

Lab File: BF120862.D

Acq: 14 Jul 2020 15:47

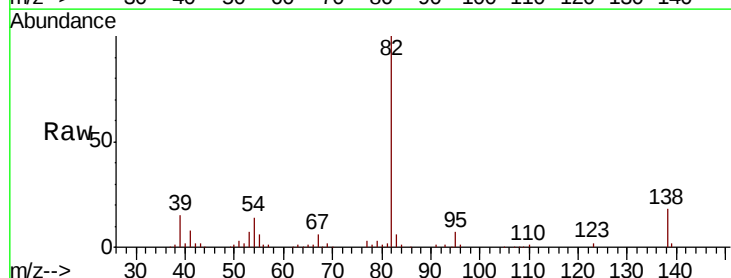
Tgt Ion: 139 Resp: 2159

Ion Ratio Lower Upper

139 100

109 18.3 25.3 37.9#

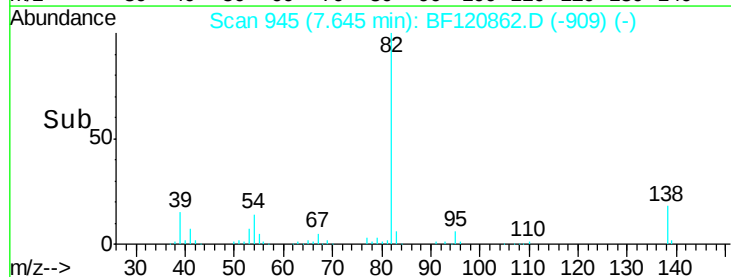
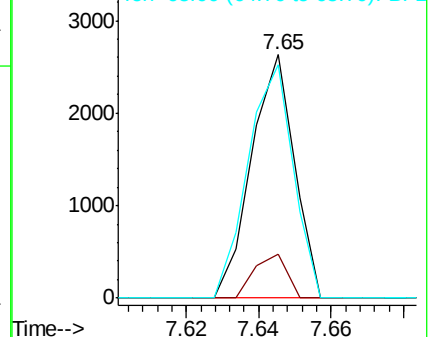
65 95.7 46.2 69.2#

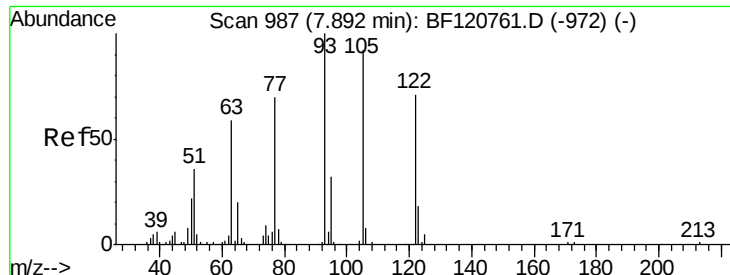


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1

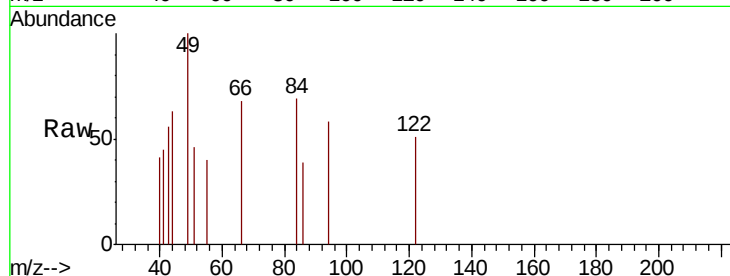




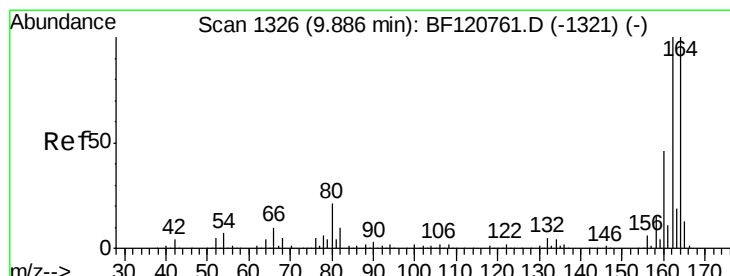
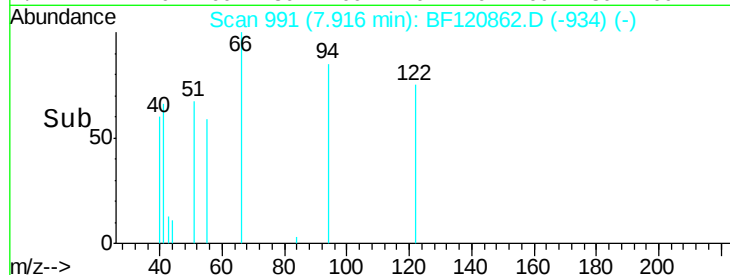
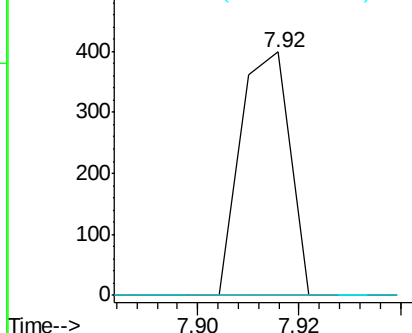
#32
Benzoic acid
Concen: 4.257 ng
RT: 7.92 min Scan# 991
Delta R.T. 0.04 min
Lab File: BF120862.D
Acq: 14 Jul 2020 15:47

Instrument :
BNA_F
ClientSampled :
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Tot Ion	Ratio	Lower	Upper
122	100		
105	0.0	105.8	145.8#
77	0.0	77.3	117.3#

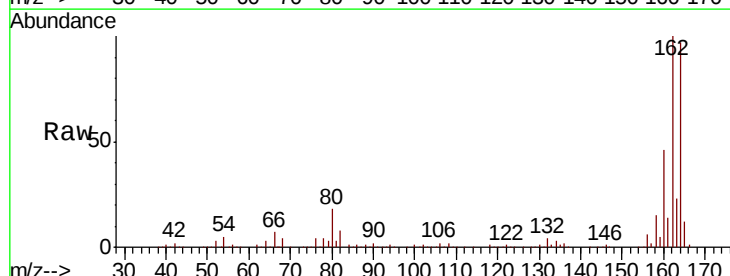


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BF1

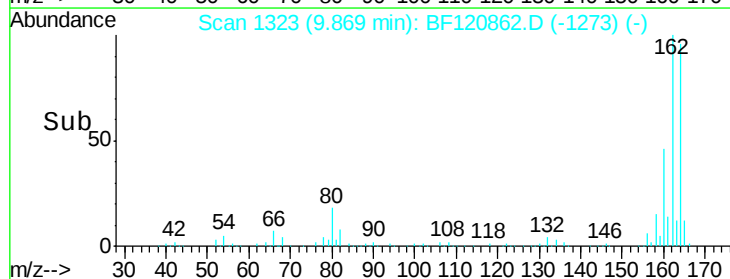
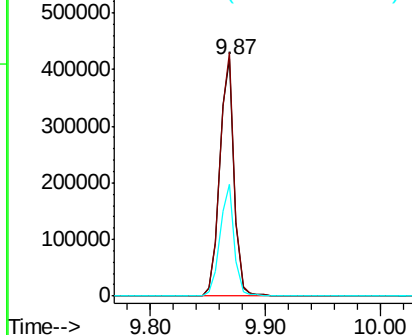


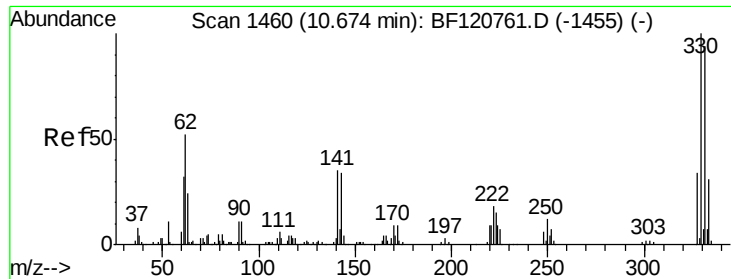
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.87 min Scan# 1323
Delta R.T. -0.01 min
Lab File: BF120862.D
Acq: 14 Jul 2020 15:47

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.8	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: 16.894 ng

RT: 10.65 min Scan# 1456

Delta R.T. -0.01 min

Lab File: BF120862.D

Acq: 14 Jul 2020 15:47

Instrument :

BNA_F

ClientSampled :

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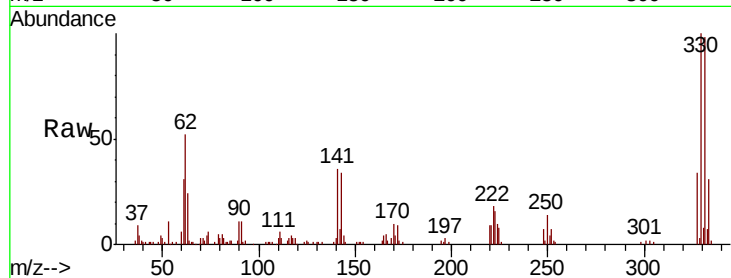
Tot Ion:330 Resp: 61619

Ion Ratio Lower Upper

330 100

332 96.9 75.8 113.6

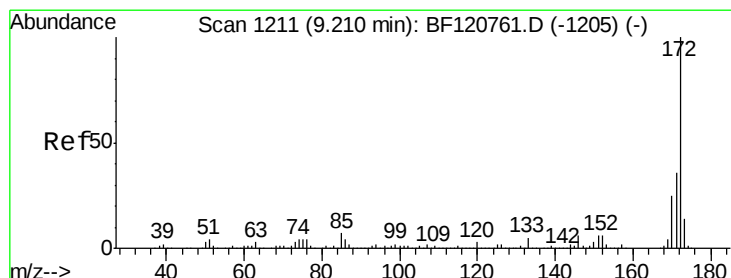
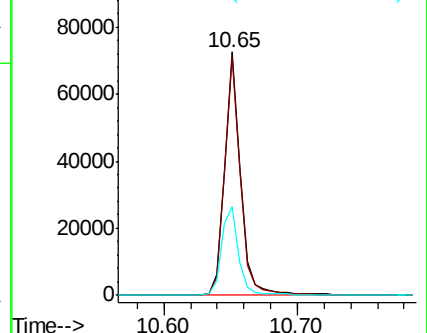
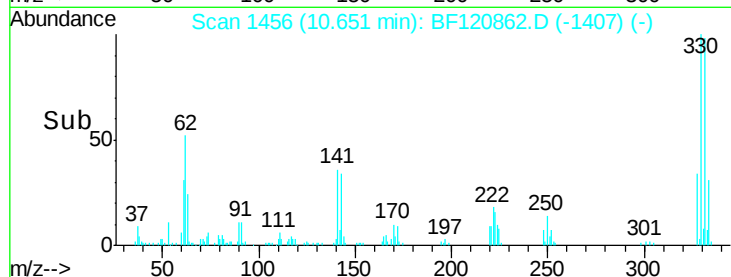
141 38.9 29.7 44.5



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: 59.806 ng

RT: 9.19 min Scan# 1208

Delta R.T. -0.01 min

Lab File: BF120862.D

Acq: 14 Jul 2020 15:47

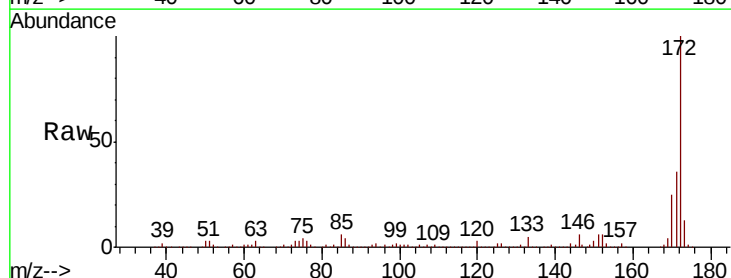
Tgt Ion:172 Resp: 1435167

Ion Ratio Lower Upper

172 100

171 36.0 29.1 43.7

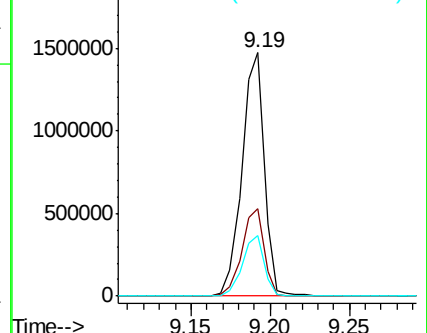
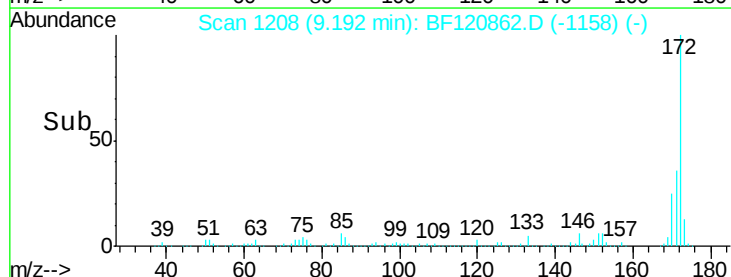
170 24.8 19.8 29.6

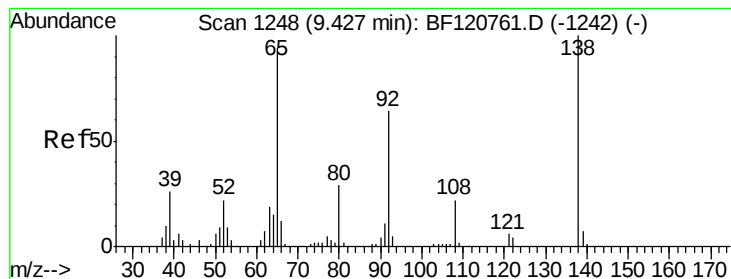


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#48

2-Nitroaniline

Concen: 2.663 ng

RT: 9.53 min Scan# 1265

Delta R.T. 0.11 min

Lab File: BF120862.D

Acq: 14 Jul 2020 15:47

Instrument :

BNA_F

ClientSampleId :

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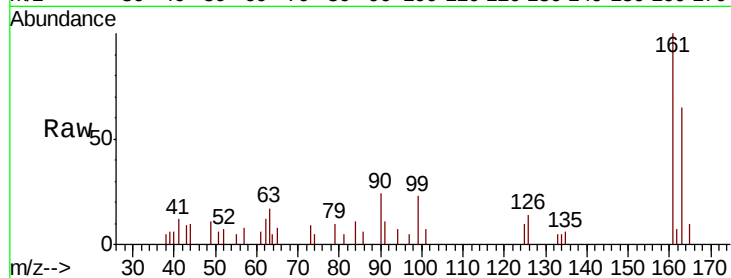
Tot Ion: 65 Resp: 321

Ion Ratio Lower Upper

65 100

92 0.0 54.4 81.6#

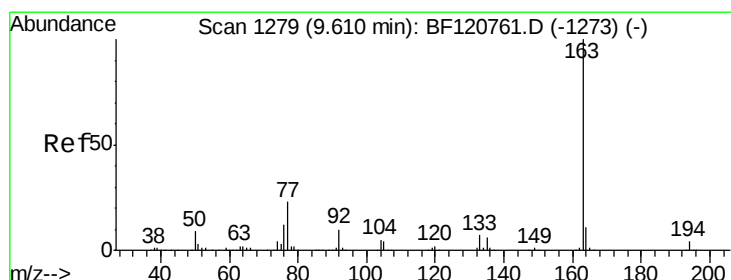
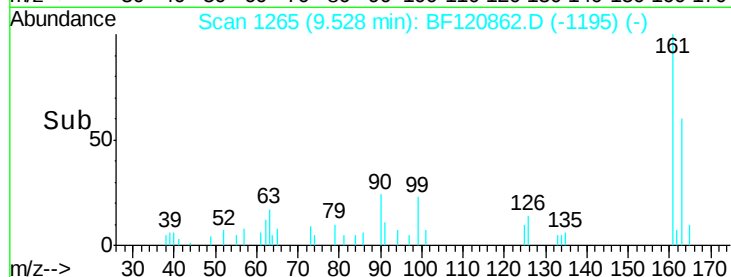
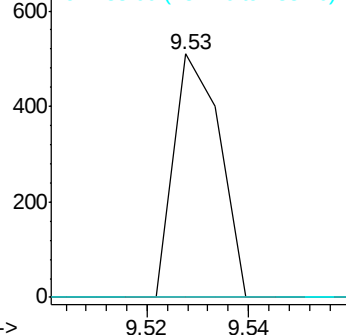
138 0.0 84.7 127.1#



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: 3.274 ng

RT: 9.58 min Scan# 1274

Delta R.T. -0.02 min

Lab File: BF120862.D

Acq: 14 Jul 2020 15:47

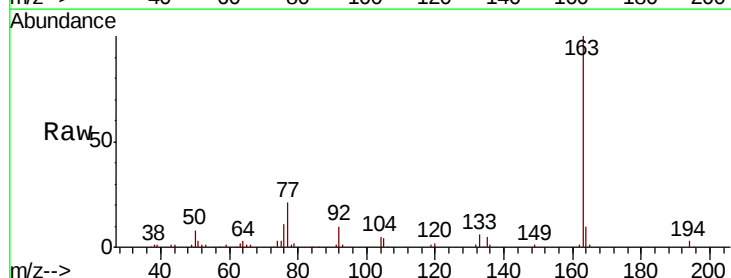
Tgt Ion: 163 Resp: 86722

Ion Ratio Lower Upper

163 100

194 3.3 2.9 4.3

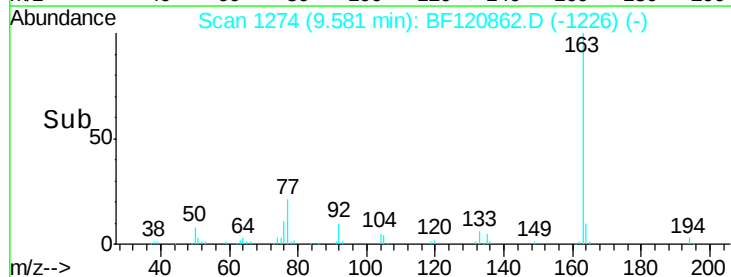
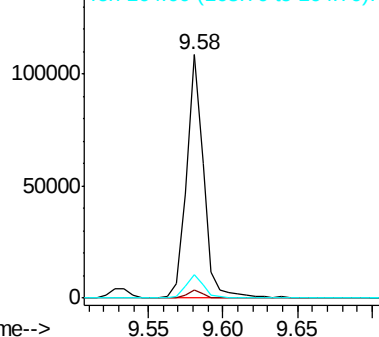
164 9.7 8.5 12.7

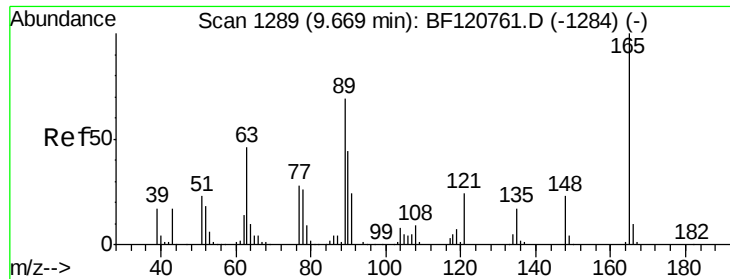


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

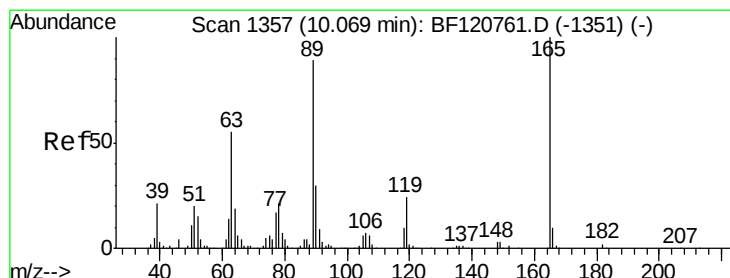
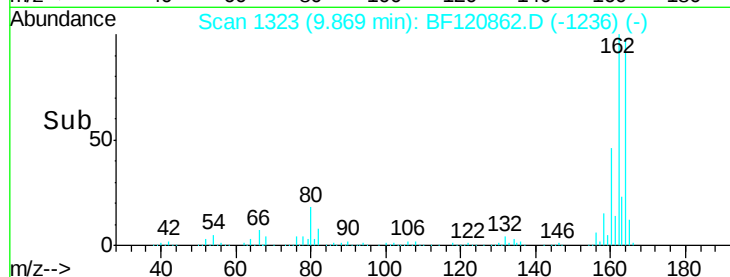
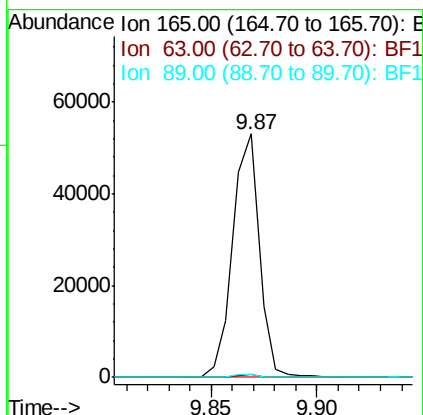
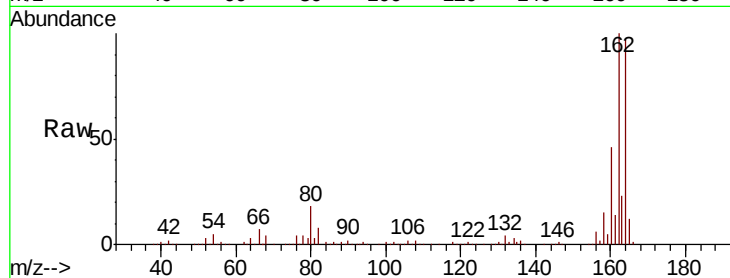




#51
 2,6-Dinitrotoluene
 Concen: 10.652 ng
 RT: 9.87 min Scan# 1323
 Delta R.T. 0.21 min
 Lab File: BF120862.D
 Acq: 14 Jul 2020 15:47

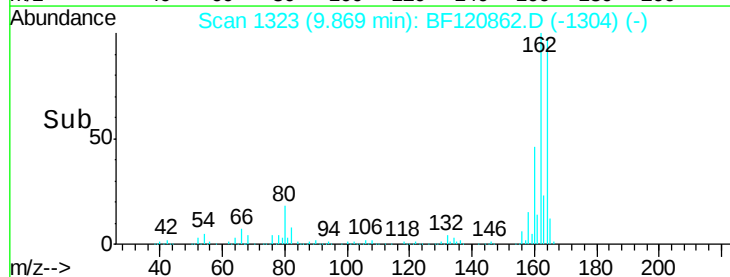
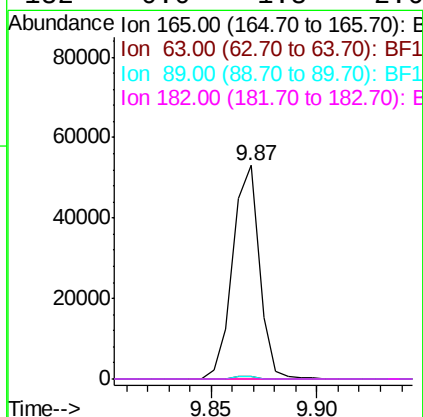
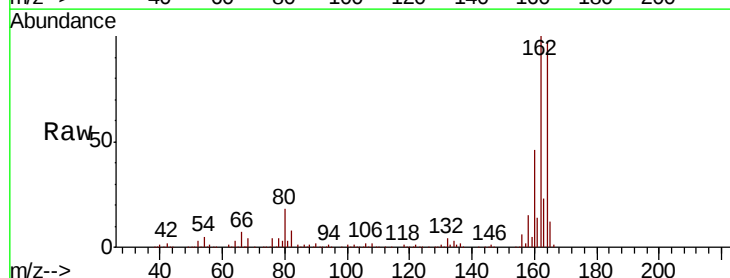
Instrument :
 BNA_F
 ClientSampleId :
 T-3

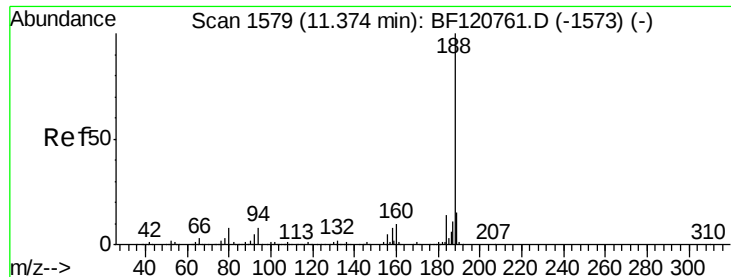
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.0	54.0	81.0#
89	1.1	55.4	83.2#



#57
 2,4-Dinitrotoluene
 Concen: 9.680 ng
 RT: 9.87 min Scan# 1323
 Delta R.T. -0.19 min
 Lab File: BF120862.D
 Acq: 14 Jul 2020 15:47

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.0	43.8	65.8#
89	1.1	71.4	107.2#
182	0.0	1.8	2.6#

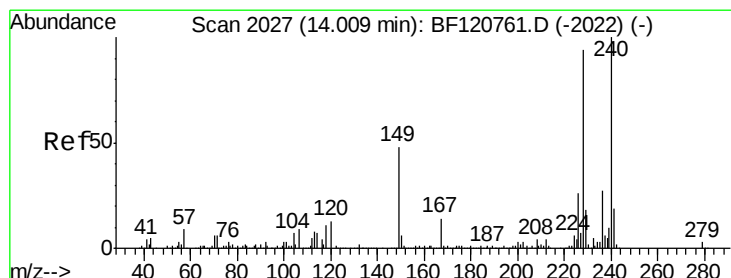
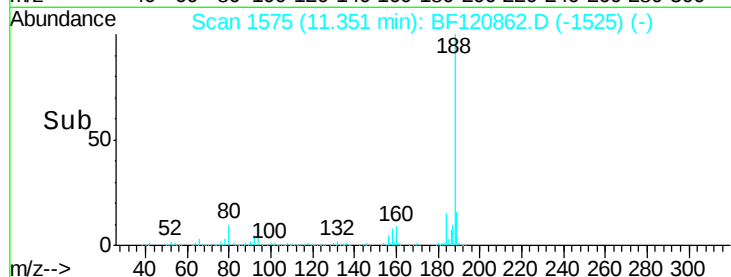
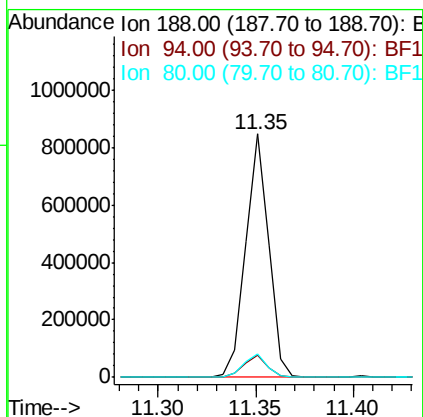
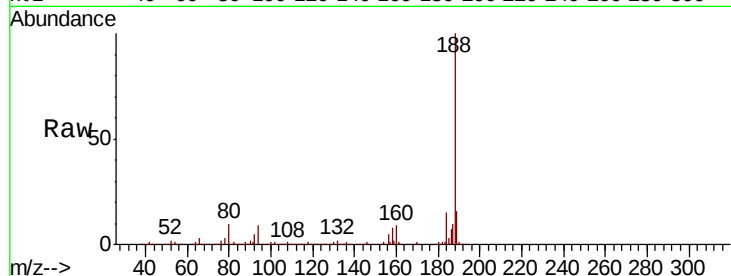




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.35 min Scan# 1575
Delta R.T. -0.01 min
Lab File: BF120862.D
Acq: 14 Jul 2020 15:47

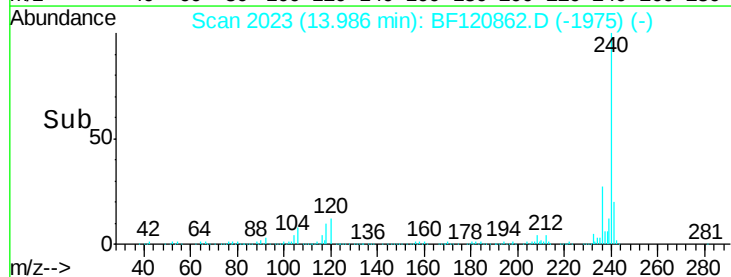
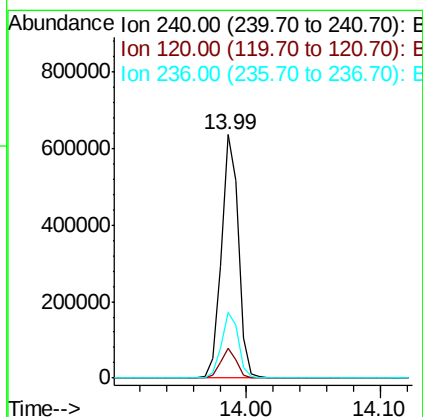
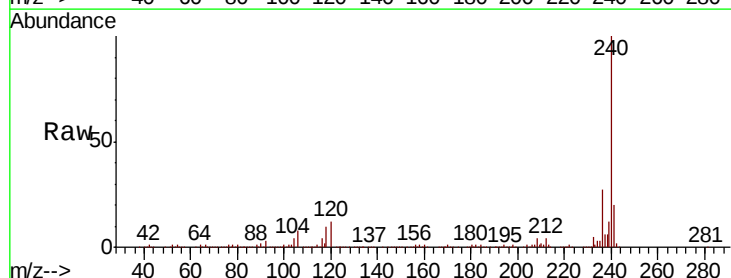
Instrument :
BNA_F
ClientSampled :
T-3

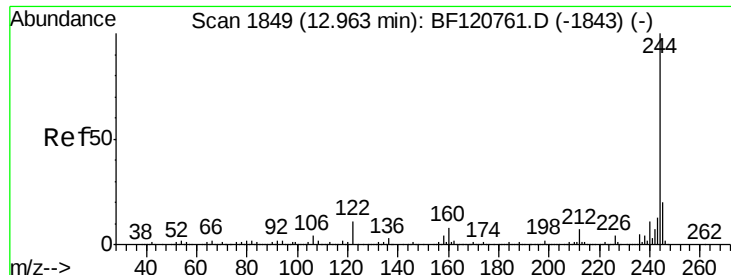
Tot Ion:188 Resp: 695506
Ion Ratio Lower Upper
188 100
94 9.3 6.6 9.8
80 9.7 6.6 10.0



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.99 min Scan# 2023
Delta R.T. -0.02 min
Lab File: BF120862.D
Acq: 14 Jul 2020 15:47

Tgt Ion:240 Resp: 574989
Ion Ratio Lower Upper
240 100
120 12.3 10.3 15.5
236 26.9 21.4 32.2





#79

Terphenyl-d14

Concen: 50.580 ng

RT: 12.94 min Scan# 1845

Delta R.T. -0.01 min

Lab File: BF120862.D

Acq: 14 Jul 2020 15:47

Instrument :

BNA_F

ClientSampleId :

T-3

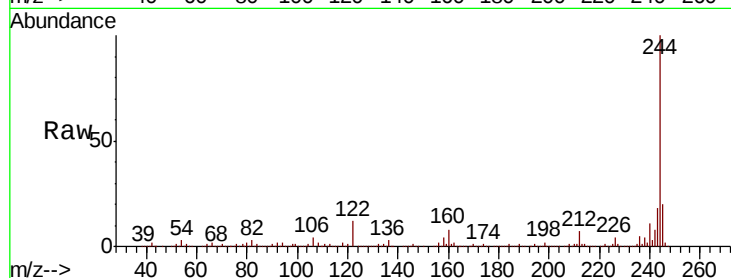
Tot Ion:244 Resp: 1485426

Ion Ratio Lower Upper

244 100

212 7.3 5.6 8.4

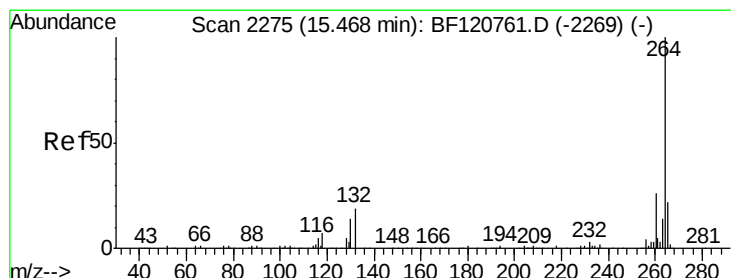
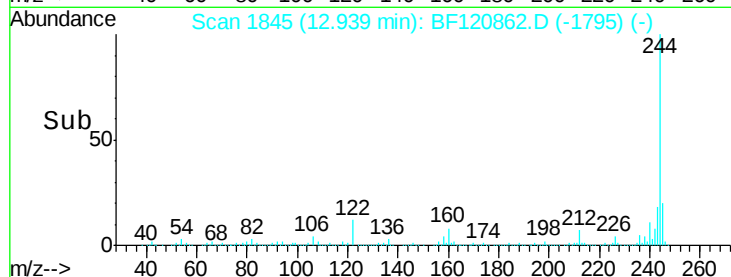
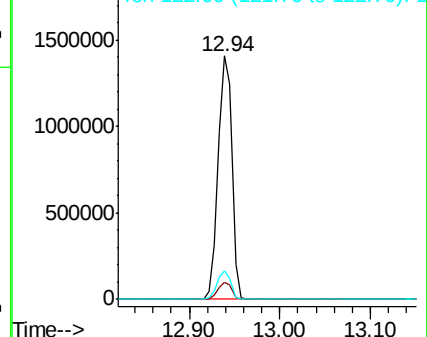
122 11.8 9.0 13.4



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: 15.44 min Scan# 2271

Delta R.T. -0.01 min

Lab File: BF120862.D

Acq: 14 Jul 2020 15:47

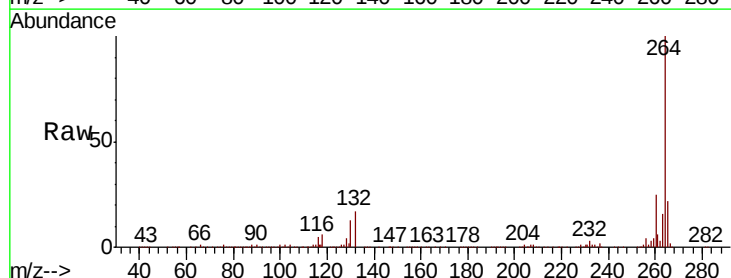
Tgt Ion:264 Resp: 520806

Ion Ratio Lower Upper

264 100

260 24.9 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

