

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091520\
 Data File : BF121580.D
 Acq On : 15 Sep 2020 16:30
 Operator : JU/CG
 Sample : L4007-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 72-11929

Quant Time: Sep 15 17:02:39 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Sep 10 16:47:54 2020
 Response via : Initial Calibration

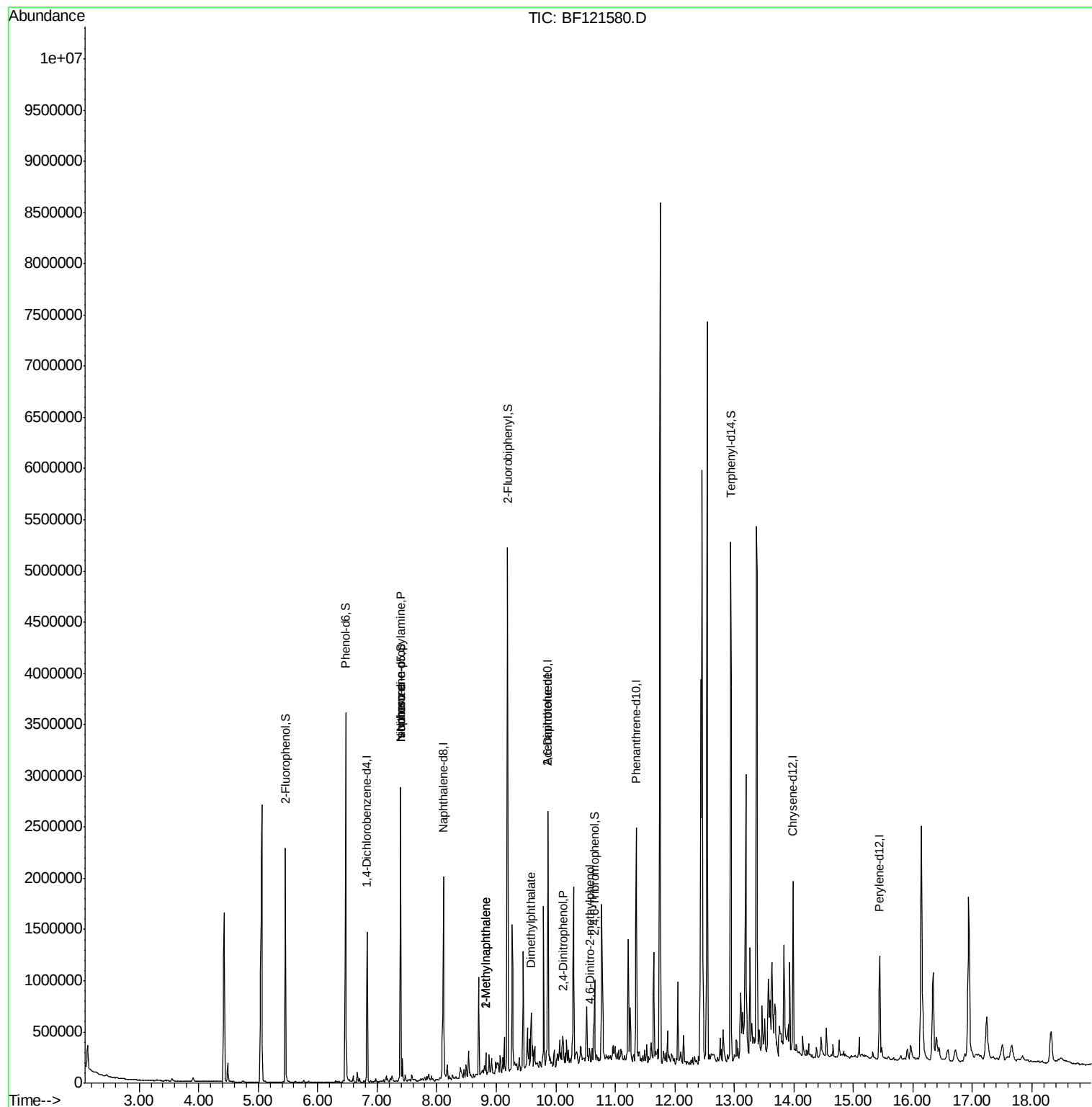
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	219908	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	863017	20.00	ng	0.00
39) Acenaphthene-d10	9.87	164	440046	20.00	ng	0.00
64) Phenanthrene-d10	11.35	188	808128	20.00	ng	0.00
76) Chrysene-d12	13.99	240	543424	20.00	ng	0.00
86) Perylene-d12	15.44	264	451443	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	570171	38.53	ng	0.01
7) Phenol-d6	6.47	99	1232159	63.47	ng	0.00
23) Nitrobenzene-d5	7.39	82	933988	58.11	ng	0.00
42) 2,4,6-Tribromophenol	10.65	330	90959	16.63	ng	0.00
45) 2-Fluorobiphenyl	9.19	172	1608764	55.37	ng	0.00
79) Terphenyl-d14	12.94	244	1644439	61.31	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.39	70	126822	11.335	ng	Qvalue # 80
25) Isophorone	7.39	82	924318	28.567	ng	# 66
37) 2-Methylnaphthalene	8.83	142	61083	2.046	ng	98
38) 1-Methylnaphthalene	8.83	142	61083	2.198	ng	95
50) Dimethylphthalate	9.58	163	83284	2.611	ng	99
51) 2,6-Dinitrotoluene	9.87	165	61176	9.007	ng	# 29
54) 2,4-Dinitrophenol	10.12	184	128	9.077	ng	# 1
65) 4,6-Dinitro-2-methylphenol	10.57	198	118	6.873	ng	# 1

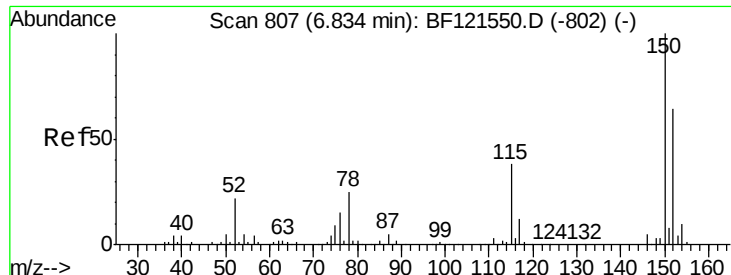
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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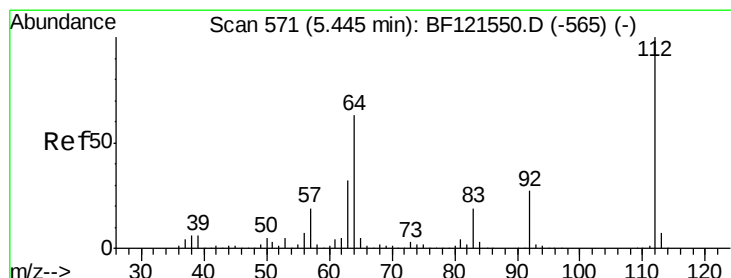
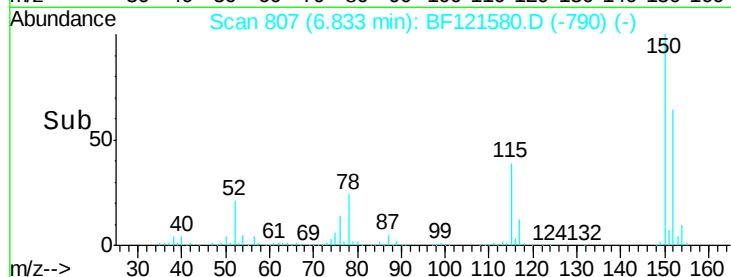
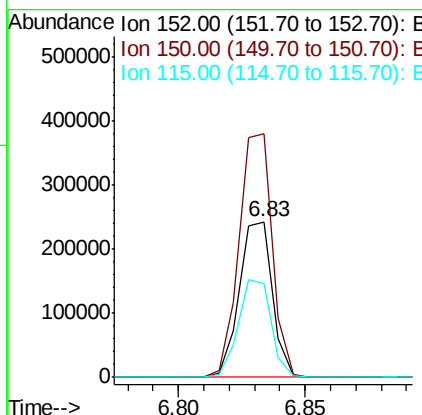
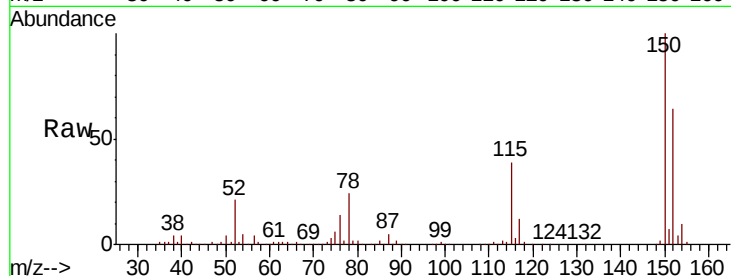


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 807
Delta R.T. -0.00 min
Lab File: BF121580.D
Acq: 15 Sep 2020 16:30

Instrument :
BNA_F
ClientSampled :
72-11929

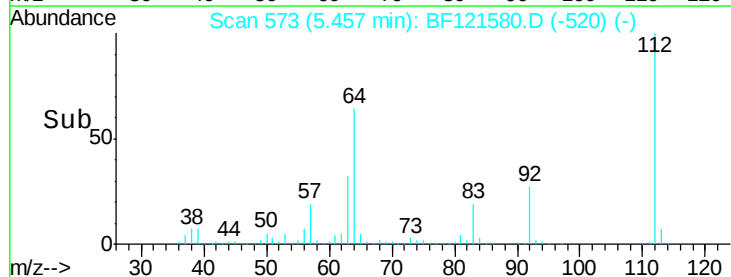
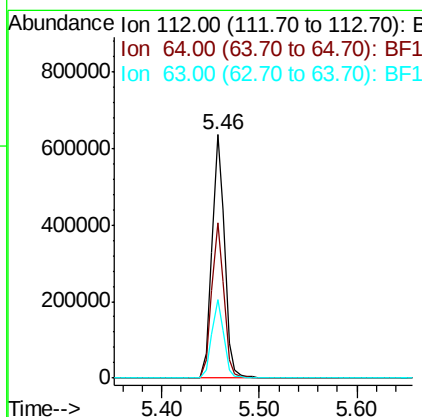
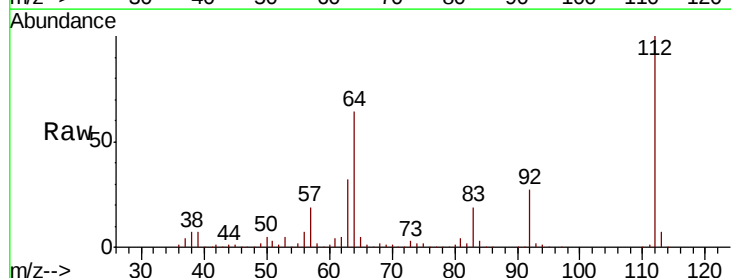
Tot Ion:152 Resp: 219908
Ion Ratio Lower Upper
152 100
150 156.2 125.8 188.6
115 60.3 47.8 71.8

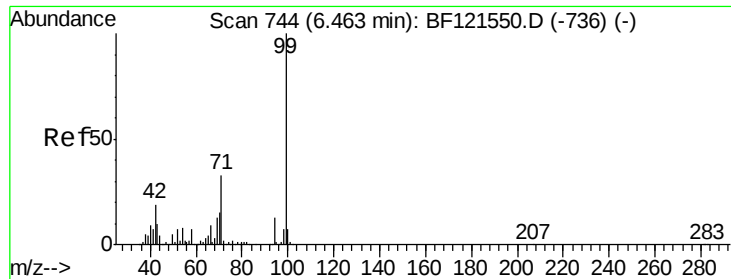


#5

2-Fluorophenol
Concen: 38.532 ng
RT: 5.46 min Scan# 573
Delta R.T. 0.01 min
Lab File: BF121580.D
Acq: 15 Sep 2020 16:30

Tgt Ion:112 Resp: 570171
Ion Ratio Lower Upper
112 100
64 63.8 50.3 75.5
63 32.1 25.6 38.4





#7

Phenol-d6

Concen: 63.470 ng

RT: 6.47 min Scan# 745

Delta R.T. 0.01 min

Lab File: BF121580.D

Acq: 15 Sep 2020 16:30

Instrument :

BNA_F

ClientSampleId :

72-11929

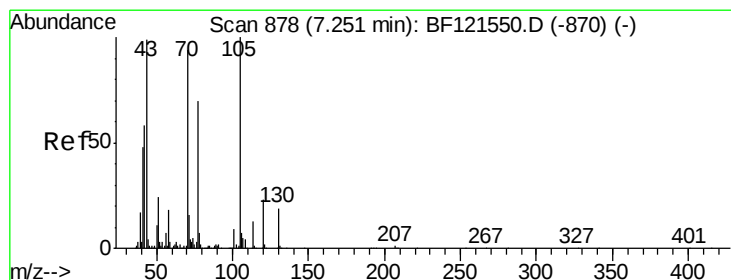
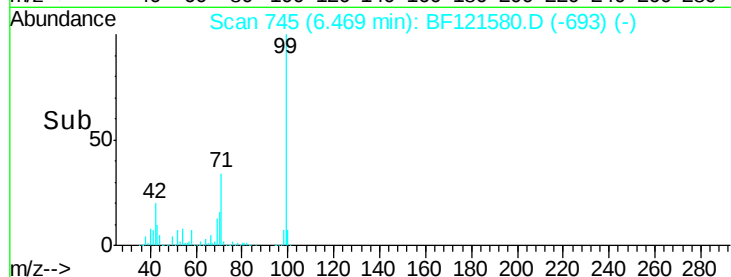
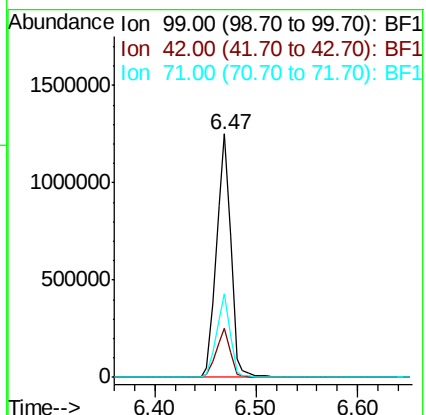
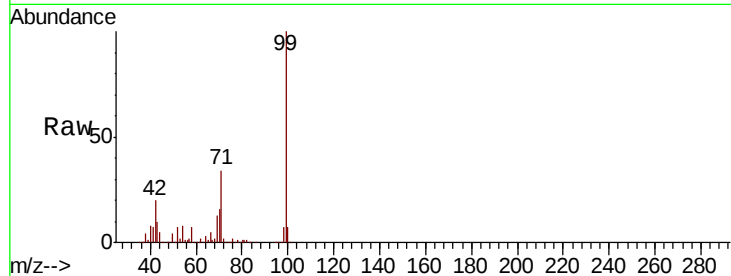
Tot Ion: 99 Resp: 1232159

Ion Ratio Lower Upper

99 100

42 20.1 15.5 23.3

71 34.2 26.1 39.1



#19

n-Nitroso-di-n-propylamine

Concen: 11.335 ng

RT: 7.39 min Scan# 902

Delta R.T. 0.14 min

Lab File: BF121580.D

Acq: 15 Sep 2020 16:30

Tgt Ion: 70 Resp: 126822

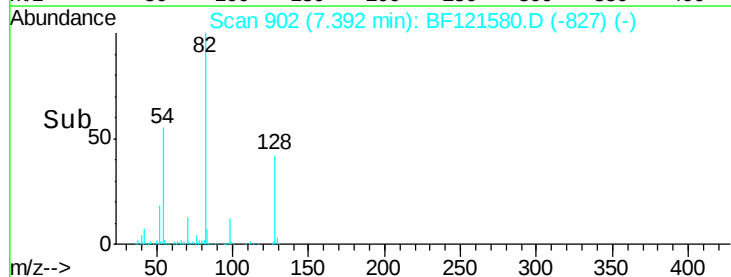
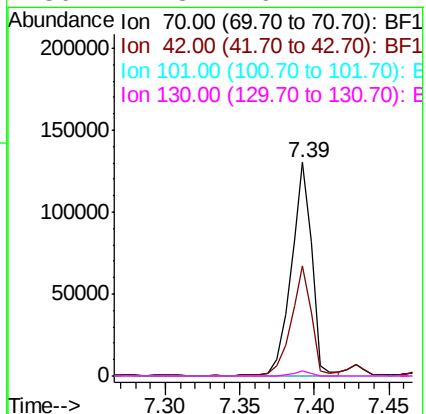
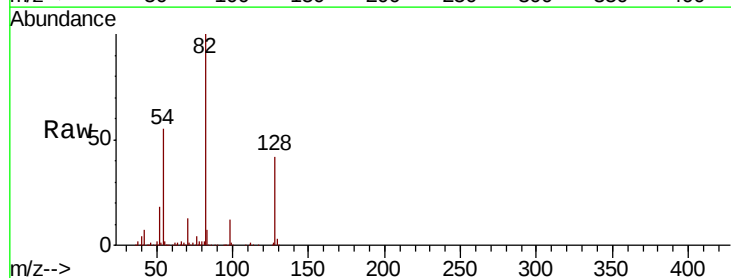
Ion Ratio Lower Upper

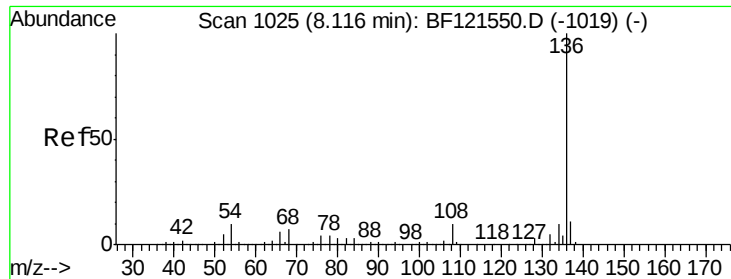
70 100

42 51.7 49.4 74.2

101 0.0 7.6 11.4#

130 2.3 16.2 24.4#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.12 min Scan# 1025

Delta R.T. -0.00 min

Lab File: BF121580.D

Acq: 15 Sep 2020 16:30

Instrument :

BNA_F

ClientSampleId :

72-11929

Tot Ion:136 Resp: 863017

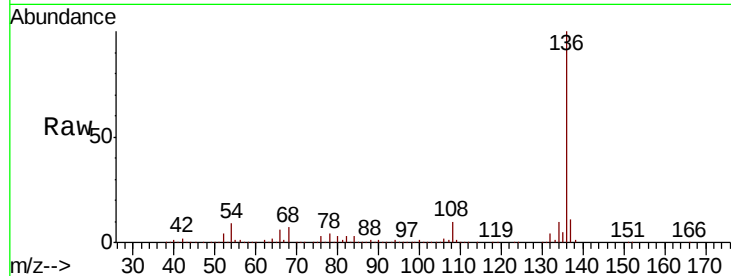
Ion Ratio Lower Upper

136 100

137 10.9 9.0 13.6

54 9.0 7.6 11.4

68 6.6 5.7 8.5

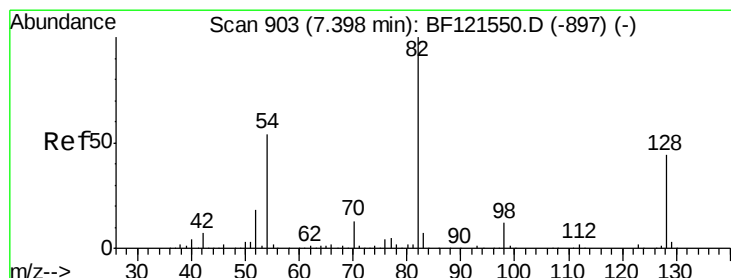
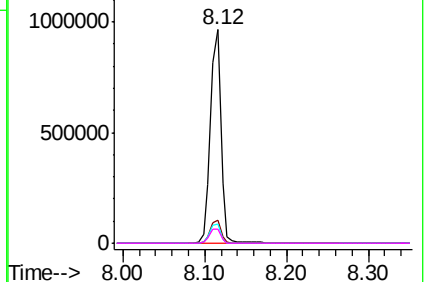
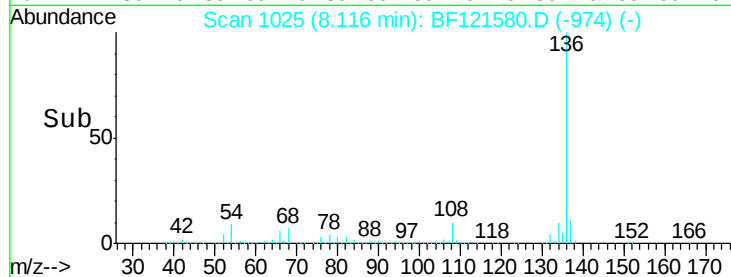


Abundance Ion 136.00 (135.70 to 136.70): E

1500000 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: 58.107 ng

RT: 7.39 min Scan# 902

Delta R.T. -0.01 min

Lab File: BF121580.D

Acq: 15 Sep 2020 16:30

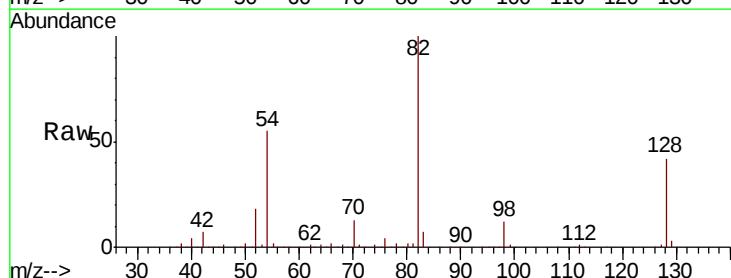
Tgt Ion: 82 Resp: 933988

Ion Ratio Lower Upper

82 100

128 42.5 35.1 52.7

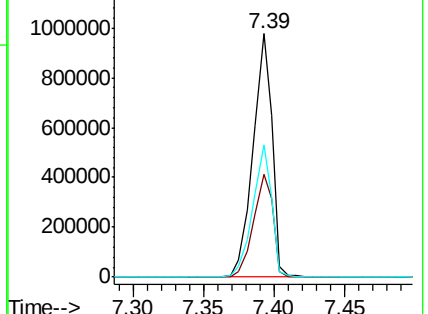
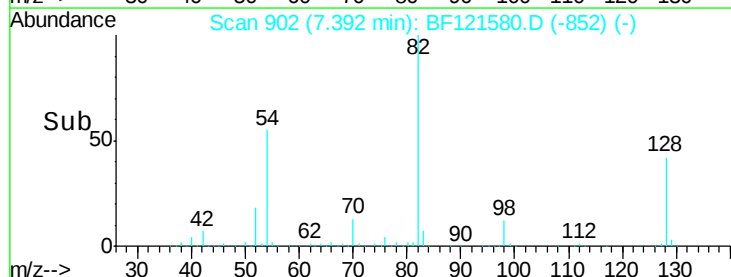
54 54.6 43.0 64.6

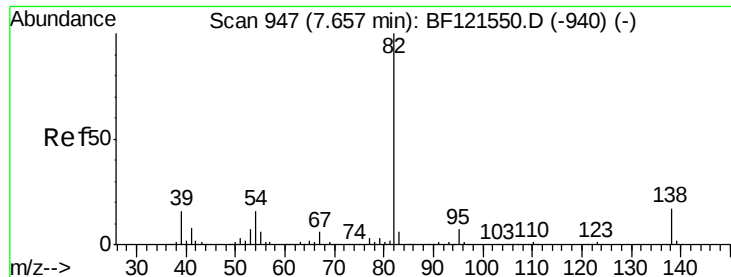


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 28.567 ng

RT: 7.39 min Scan# 902

Delta R.T. -0.26 min

Lab File: BF121580.D

Acq: 15 Sep 2020 16:30

Instrument :

BNA_F

ClientSampleId :

72-11929

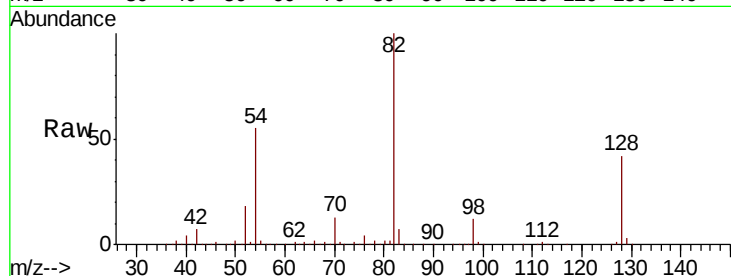
Tot Ion: 82 Resp: 924318

Ion Ratio Lower Upper

82 100

95 0.1 5.3 7.9#

138 0.0 13.7 20.5#

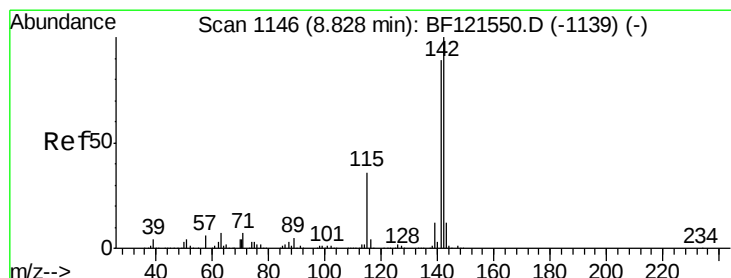
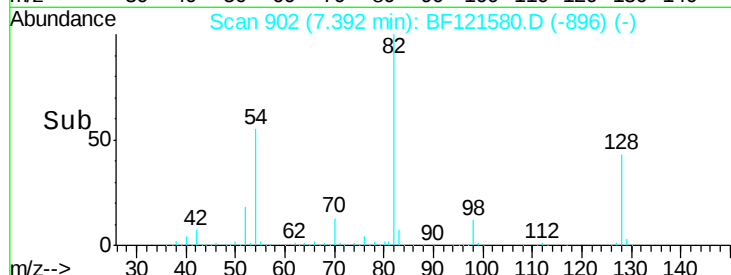
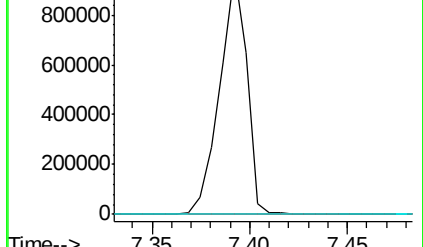


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1

Time-->



#37

2-Methylnaphthalene

Concen: 2.046 ng

RT: 8.83 min Scan# 1146

Delta R.T. -0.00 min

Lab File: BF121580.D

Acq: 15 Sep 2020 16:30

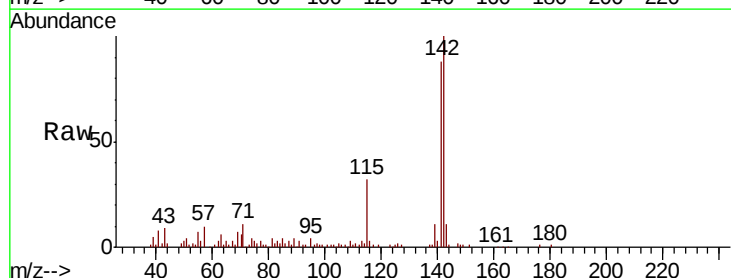
Tgt Ion: 142 Resp: 61083

Ion Ratio Lower Upper

142 100

141 88.5 71.5 107.3

115 32.3 28.7 43.1

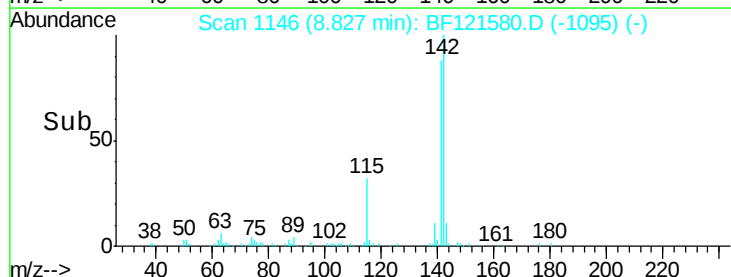
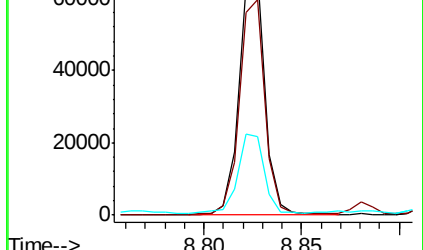


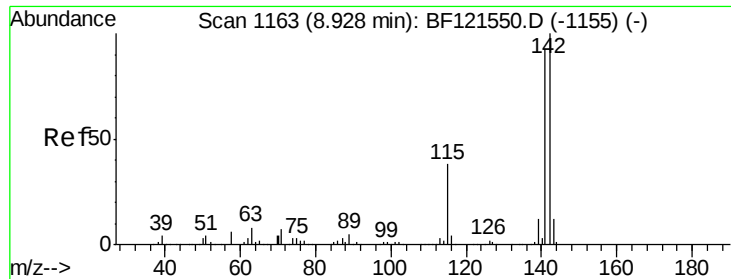
Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

Time-->

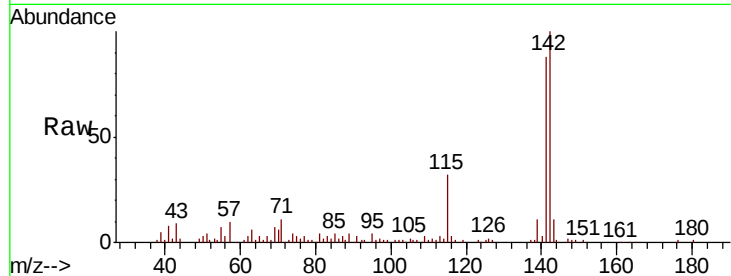




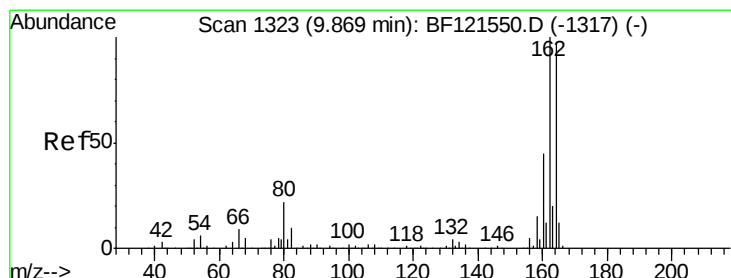
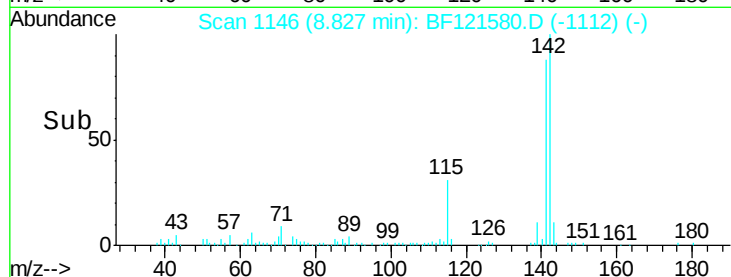
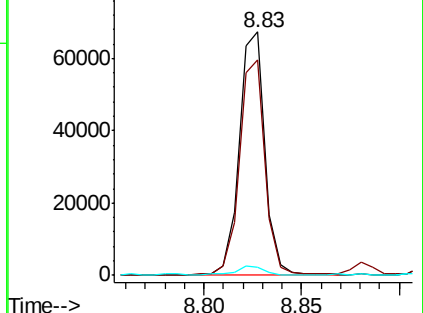
#38
1-Methylnaphthalene
Concen: 2.198 ng
RT: 8.83 min Scan# 1146
Delta R.T. -0.10 min
Lab File: BF121580.D
Acq: 15 Sep 2020 16:30

Instrument :
BNA_F
ClientSampleId :
72-11929

Tot Ion:142 Resp: 61083
Ion Ratio Lower Upper
142 100
141 88.5 74.8 112.2
116 3.3 3.0 4.6

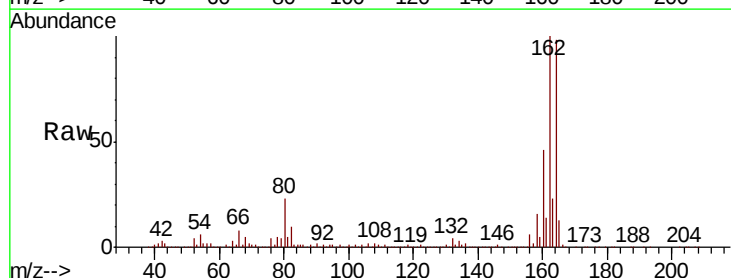


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 116.00 (115.70 to 116.70): E

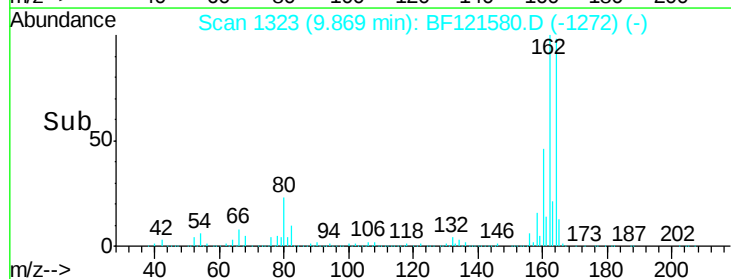
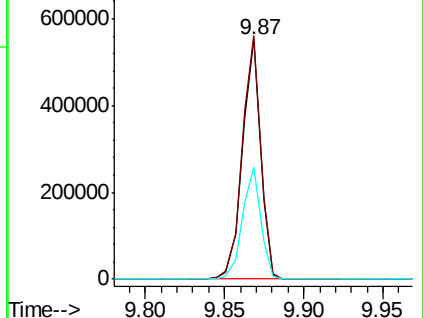


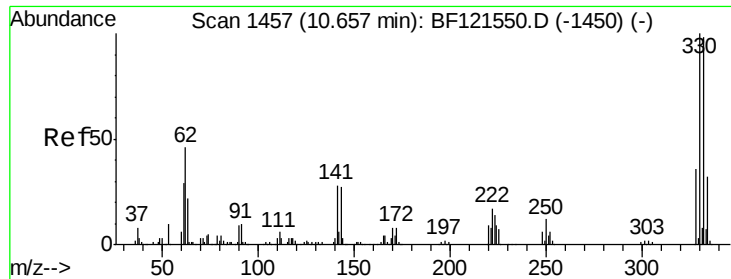
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.87 min Scan# 1323
Delta R.T. -0.00 min
Lab File: BF121580.D
Acq: 15 Sep 2020 16:30

Tgt Ion:164 Resp: 440046
Ion Ratio Lower Upper
164 100
162 101.8 82.3 123.5
160 46.7 37.0 55.4



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

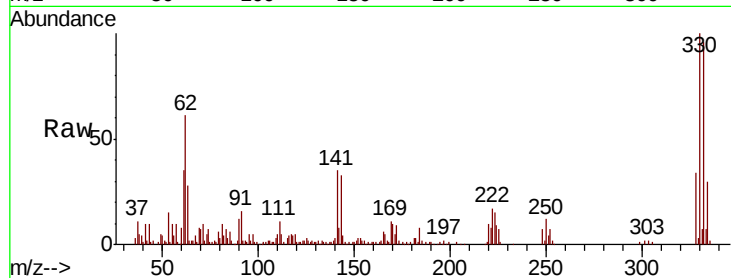




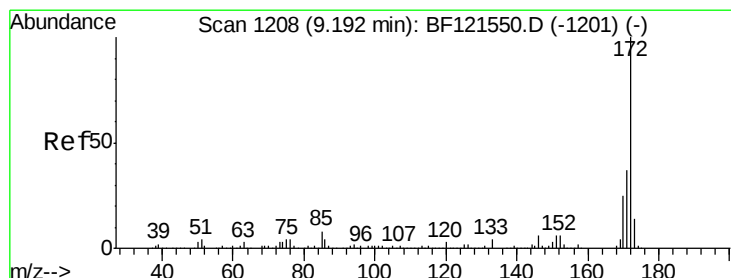
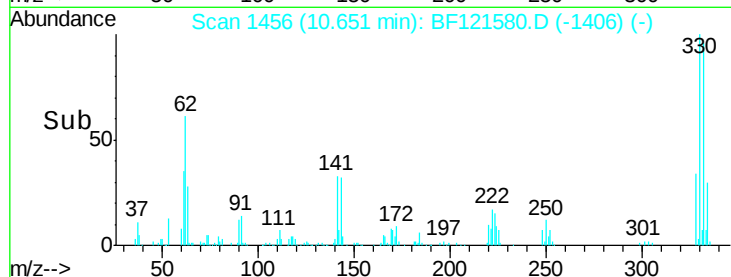
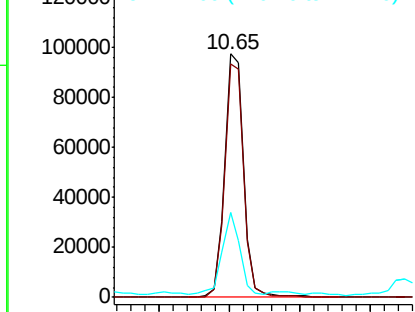
#42
 2,4,6-Tribromophenol
 Concen: 16.631 ng
 RT: 10.65 min Scan# 1456
 Delta R.T. -0.01 min
 Lab File: BF121580.D
 Acq: 15 Sep 2020 16:30

Instrument :
 BNA_F
 ClientSampleId :
 72-11929

Tot Ion:330 Resp: 90959
 Ion Ratio Lower Upper
 330 100
 332 96.2 77.1 115.7
 141 31.2 23.6 35.4

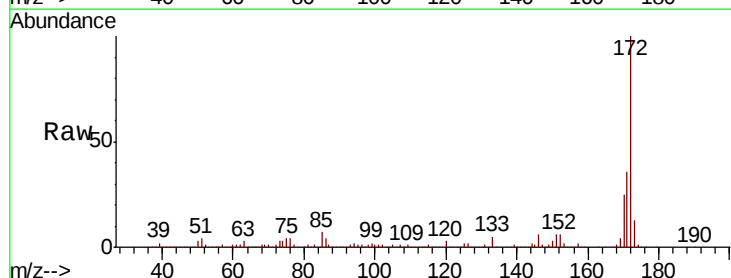


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

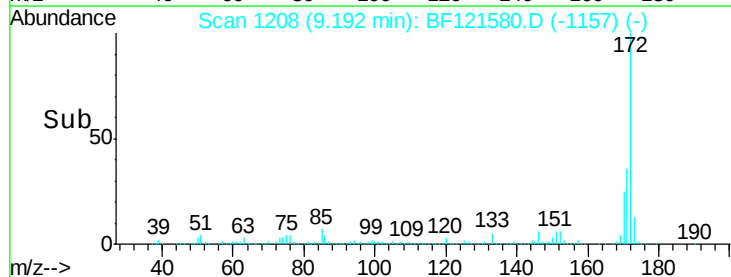
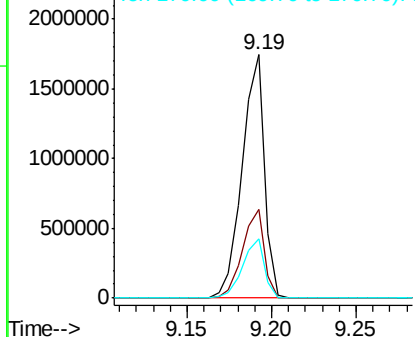


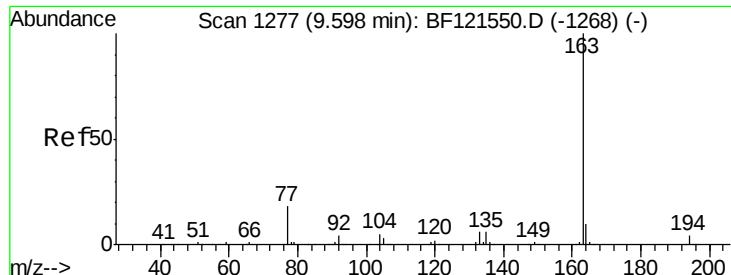
#45
 2-Fluorobiphenyl
 Concen: 55.370 ng
 RT: 9.19 min Scan# 1208
 Delta R.T. -0.00 min
 Lab File: BF121580.D
 Acq: 15 Sep 2020 16:30

Tgt Ion:172 Resp: 1608764
 Ion Ratio Lower Upper
 172 100
 171 36.3 29.8 44.6
 170 24.5 19.8 29.8



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





#50

Dimethylphthalate

Concen: 2.611 ng

RT: 9.58 min Scan# 1274

Delta R.T. -0.02 min

Lab File: BF121580.D

Acq: 15 Sep 2020 16:30

Instrument :

BNA_F

ClientSampleId :

72-11929

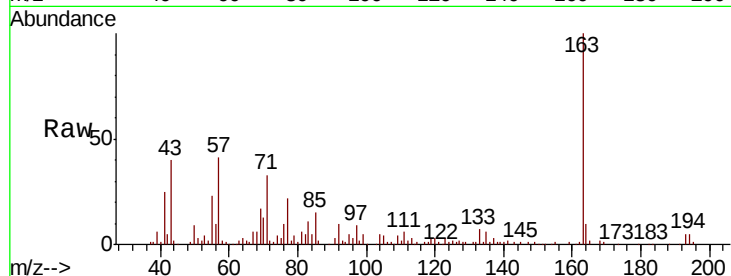
Tot Ion:163 Resp: 83284

Ion Ratio Lower Upper

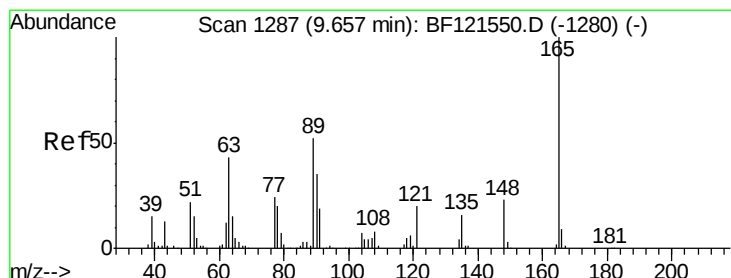
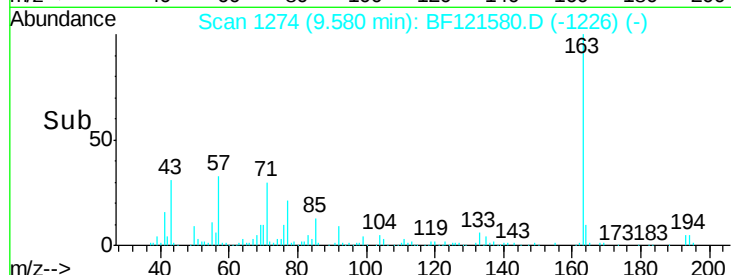
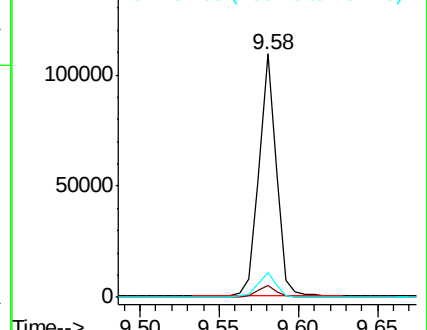
163 100

194 5.0 3.4 5.0

164 10.2 7.9 11.9



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: 9.007 ng

RT: 9.87 min Scan# 1323

Delta R.T. 0.21 min

Lab File: BF121580.D

Acq: 15 Sep 2020 16:30

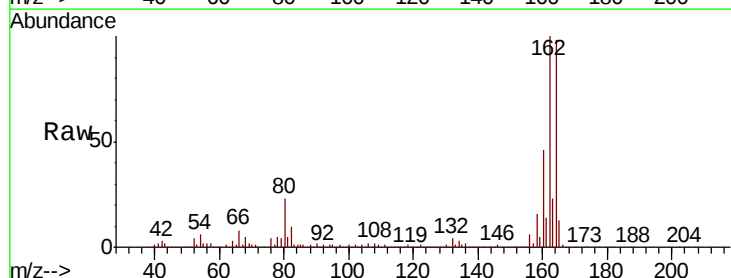
Tgt Ion:165 Resp: 61176

Ion Ratio Lower Upper

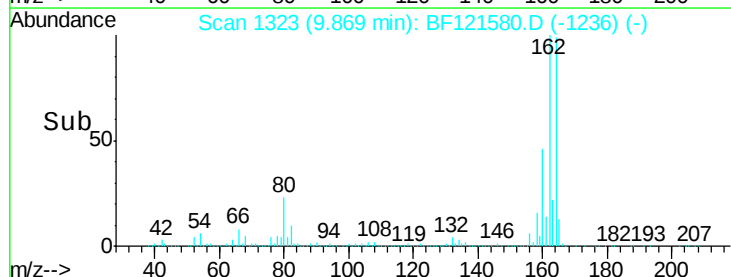
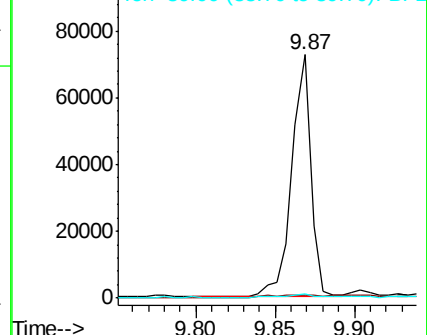
165 100

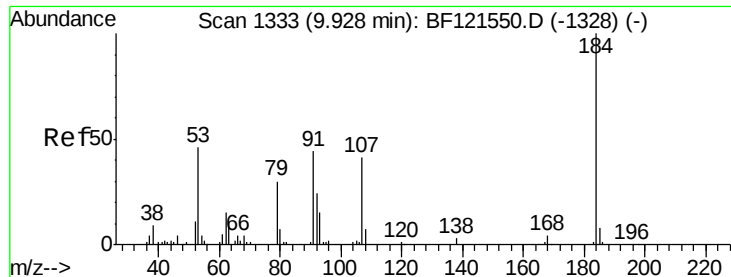
63 1.5 40.6 61.0#

89 1.6 41.8 62.8#



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

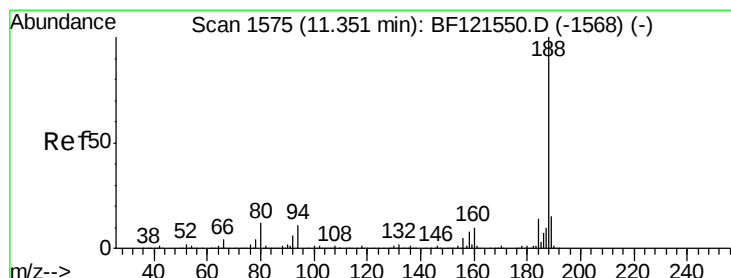
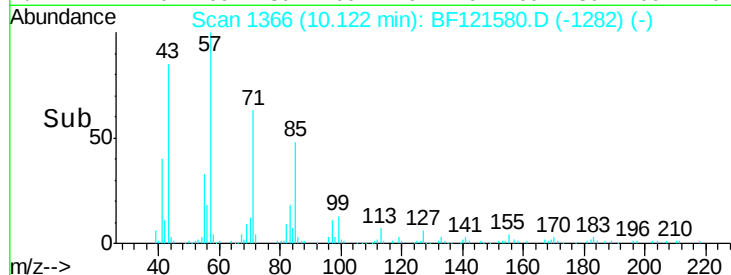
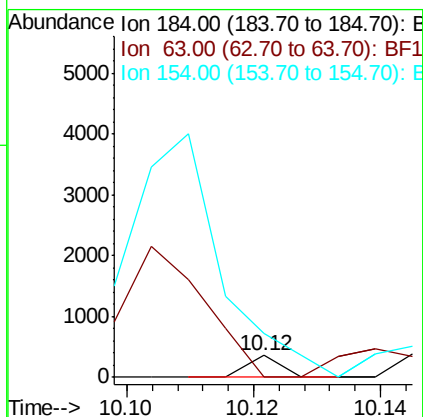
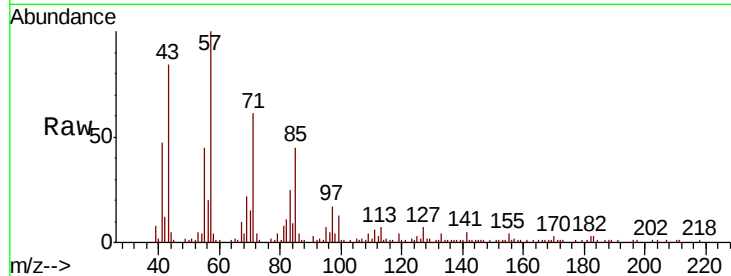




#54
 2,4-Dinitrophenol
 Concen: 9.077 ng
 RT: 10.12 min Scan# 1366
 Delta R.T. 0.19 min
 Lab File: BF121580.D
 Acq: 15 Sep 2020 16:30

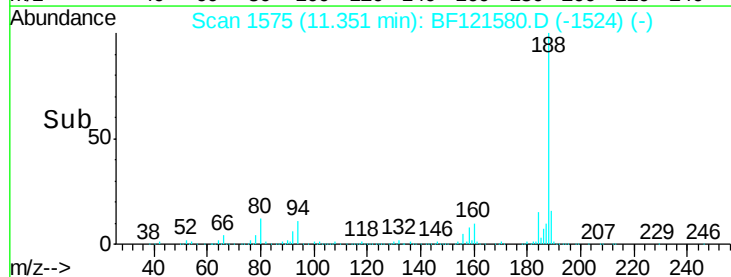
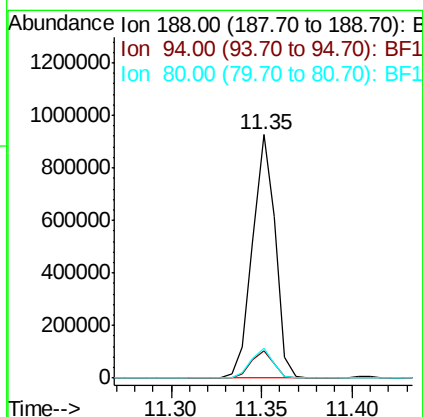
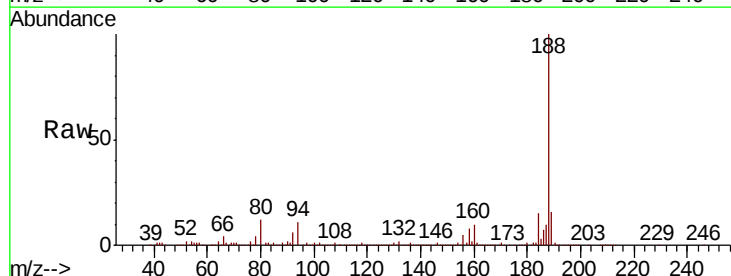
Instrument :
 BNA_F
 ClientSampled :
 72-11929

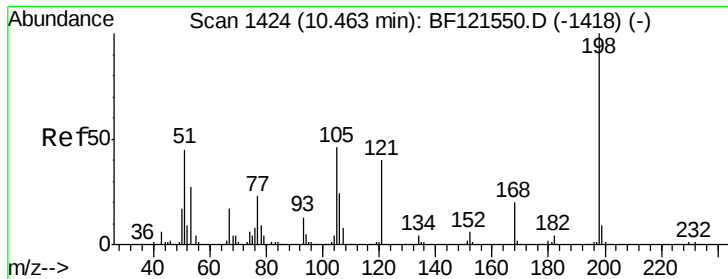
Tot Ion:184 Resp: 128
 Ion Ratio Lower Upper
 184 100
 63 0.0 47.7 71.5#
 154 196.4 47.2 70.8#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.35 min Scan# 1575
 Delta R.T. -0.00 min
 Lab File: BF121580.D
 Acq: 15 Sep 2020 16:30

Tgt Ion:188 Resp: 808128
 Ion Ratio Lower Upper
 188 100
 94 11.3 8.7 13.1
 80 12.1 9.3 13.9

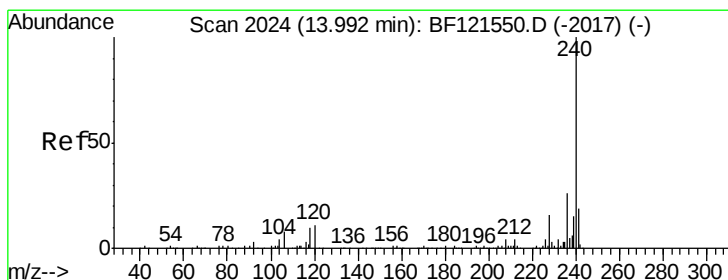
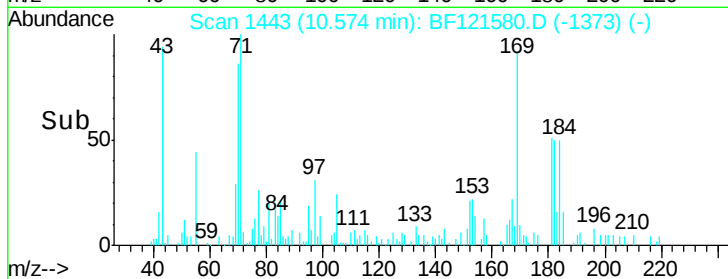
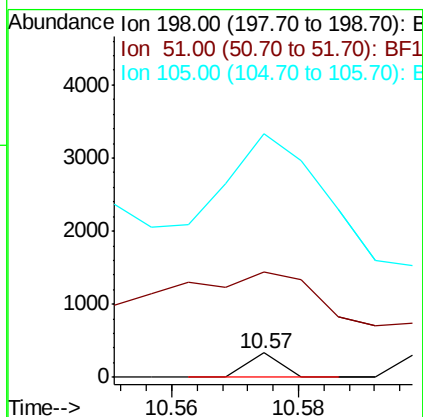
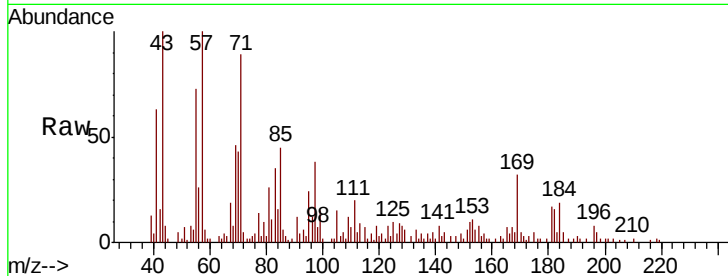




#65
4,6-Dinitro-2-methylphenol
Concen: 6.873 ng
RT: 10.57 min Scan# 1443
Delta R.T. 0.11 min
Lab File: BF121580.D
Acq: 15 Sep 2020 16:30

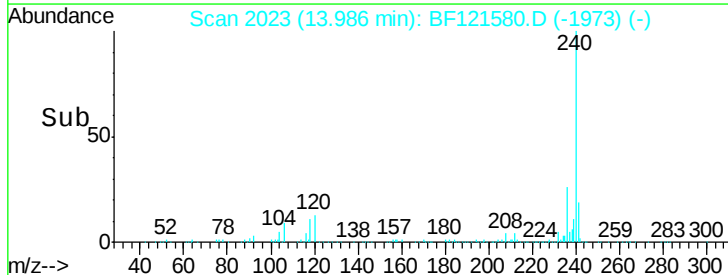
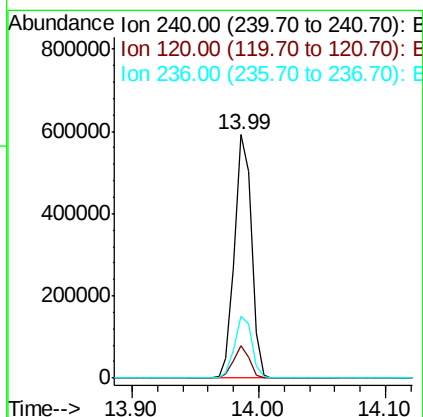
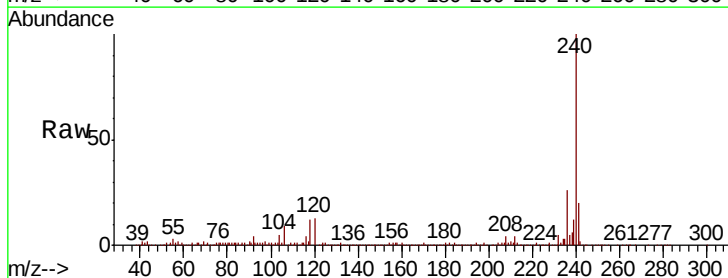
Instrument :
BNA_F
ClientSampleId :
72-11929

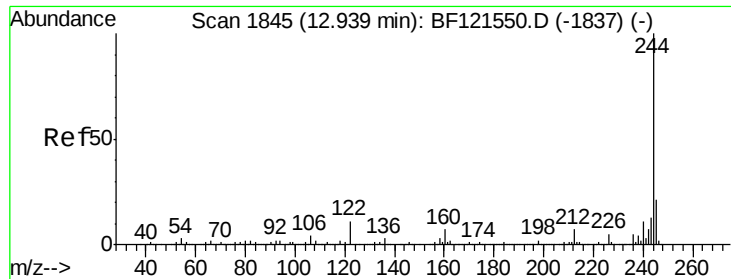
Tot Ion:198 Resp: 118
Ion Ratio Lower Upper
198 100
51 431.3 31.1 71.1#
105 994.3 26.6 66.6#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.99 min Scan# 2023
Delta R.T. -0.01 min
Lab File: BF121580.D
Acq: 15 Sep 2020 16:30

Tgt Ion:240 Resp: 543424
Ion Ratio Lower Upper
240 100
120 13.2 9.2 13.8
236 25.6 20.5 30.7





#79

Terphenyl-d14

Concen: 61.305 ng

RT: 12.94 min Scan# 1845

Delta R.T. -0.00 min

Lab File: BF121580.D

Acq: 15 Sep 2020 16:30

Instrument :

BNA_F

ClientSampleId :

72-11929

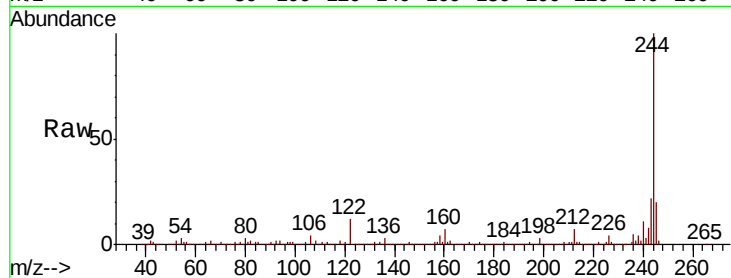
Tot Ion:244 Resp: 1644439

Ion Ratio Lower Upper

244 100

212 7.2 5.7 8.5

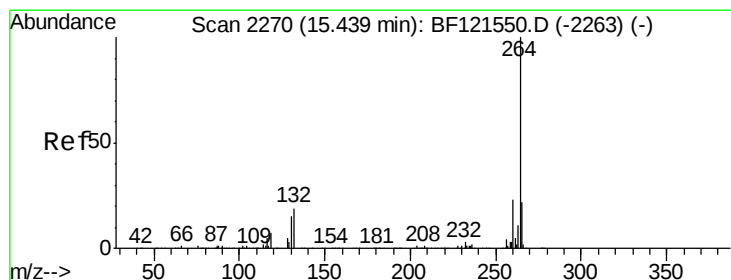
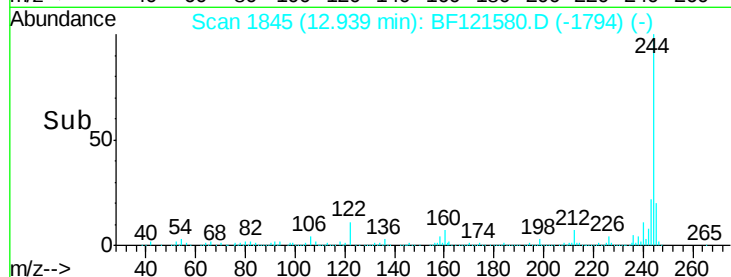
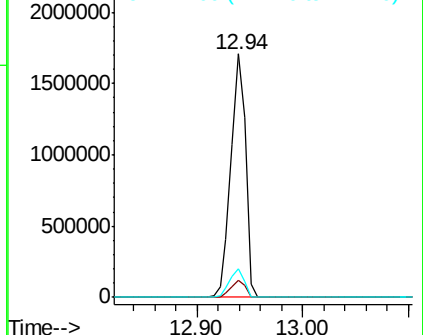
122 11.5 8.7 13.1



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# 2270

Delta R.T. -0.00 min

Lab File: BF121580.D

Acq: 15 Sep 2020 16:30

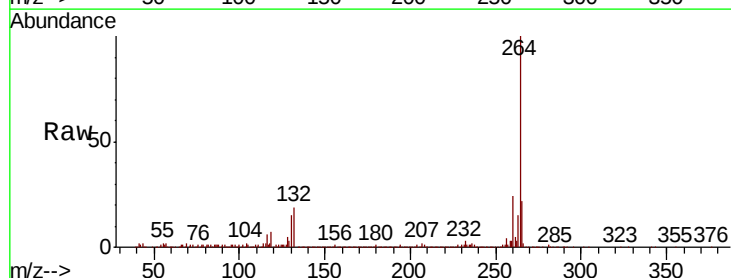
Tgt Ion:264 Resp: 451443

Ion Ratio Lower Upper

264 100

260 23.9 18.8 28.2

265 21.6 17.8 26.6



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

