

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072820\
 Data File : BF121073.D
 Acq On : 28 Jul 2020 17:06
 Operator : JU/CG
 Sample : L3434-04
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 11936

Quant Time: Jul 28 17:54:06 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071620.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 16 14:20:32 2020
 Response via : Initial Calibration

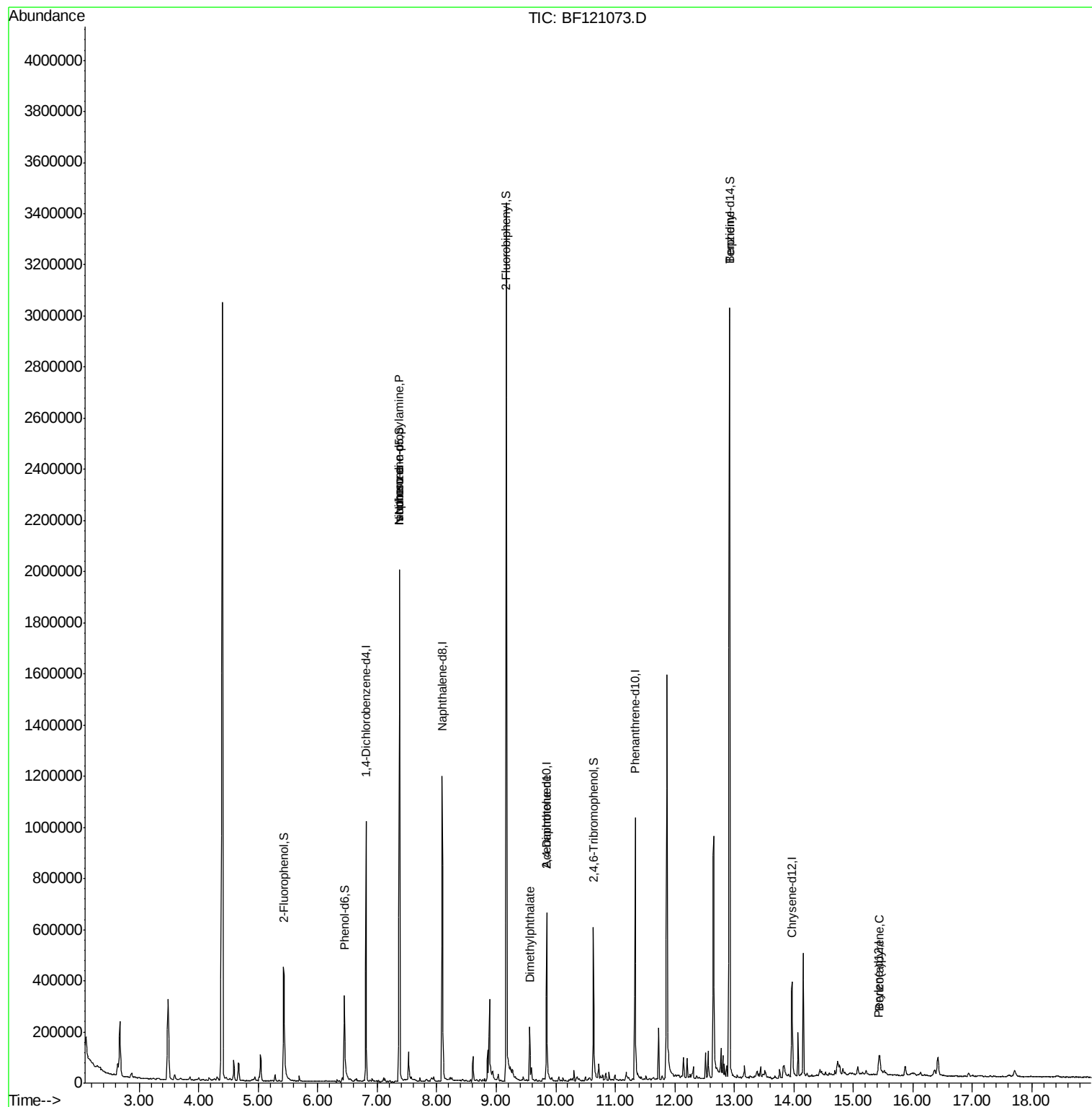
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	144802	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	511782	20.00	ng	0.00
39) Acenaphthene-d10	9.85	164	109913	20.00	ng	0.00
64) Phenanthrene-d10	11.33	188	367488	20.00	ng	0.00
76) Chrysene-d12	13.96	240	102844	20.00	ng	-0.01
86) Perylene-d12	15.42	264	5550	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	188281	21.32	ng	0.00
7) Phenol-d6	6.45	99	122735	10.76	ng	0.00
23) Nitrobenzene-d5	7.37	82	635672	71.87	ng	0.00
42) 2,4,6-Tribromophenol	10.63	330	85772	71.29	ng	0.00
45) 2-Fluorobiphenyl	9.17	172	1290855	175.35	ng	0.00
79) Terphenyl-d14	12.92	244	849417	179.54	ng	0.00
Target Compounds						
9) Benzaldehyde	6.36	77	1223	Below Cal		Qvalue
19) n-Nitroso-di-n-propylamine	7.37	70	82675	12.743 ng	#	75
25) Isophorone	7.37	82	635666	36.011 ng	#	63
50) Dimethylphthalate	9.56	163	97502	12.296 ng		100
57) 2,4-Dinitrotoluene	9.85	165	13787	6.163 ng	#	31
77) Benzidine	12.92	184	13067	4.833 ng	#	75
90) Benzo(a)pyrene	15.43	252	1012	3.306 ng	#	1

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

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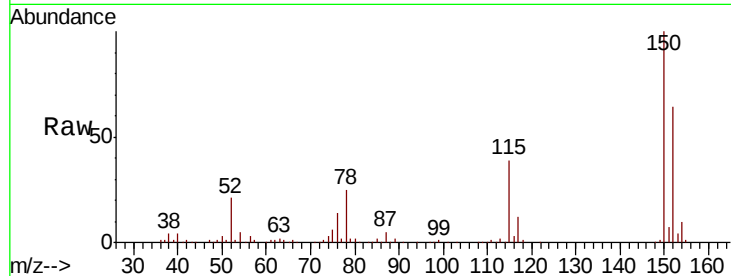


#1

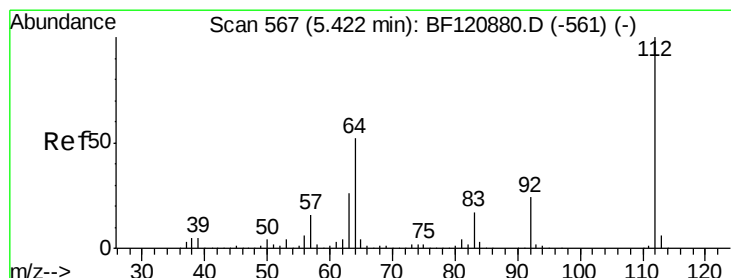
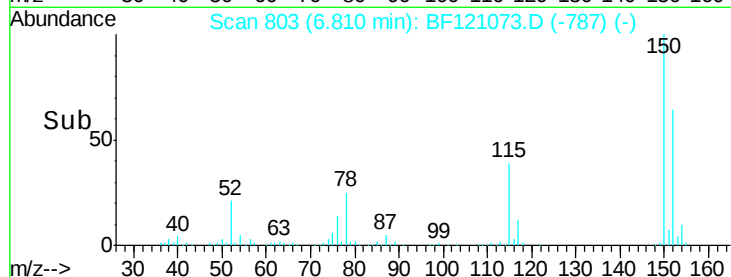
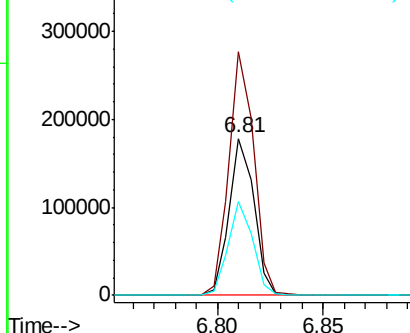
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.81 min Scan# 803
Delta R.T. -0.01 min
Lab File: BF121073.D
Acq: 28 Jul 2020 17:06

Instrument :
BNA_F
ClientSampleId :
11936

Tot Ion:152 Resp: 144802
Ion Ratio Lower Upper
152 100
150 155.5 125.0 187.6
115 60.2 47.0 70.4



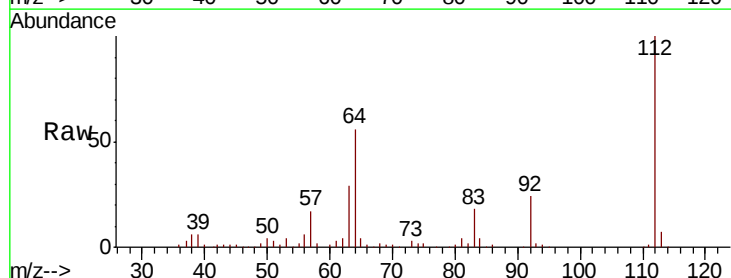
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



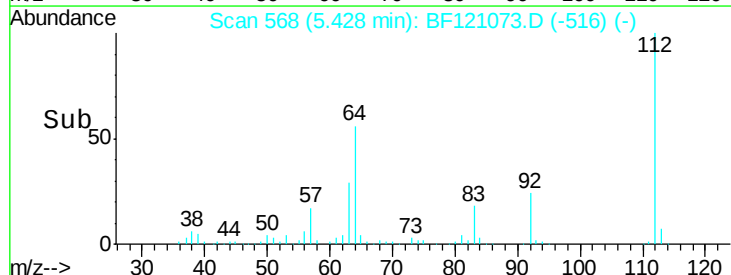
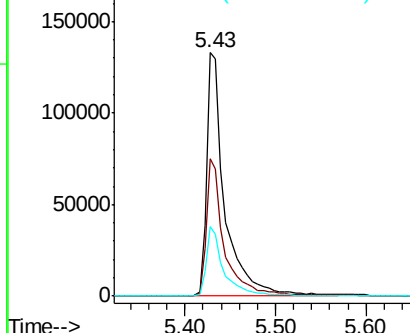
#5

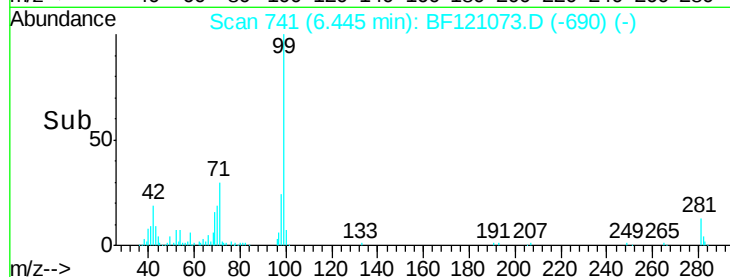
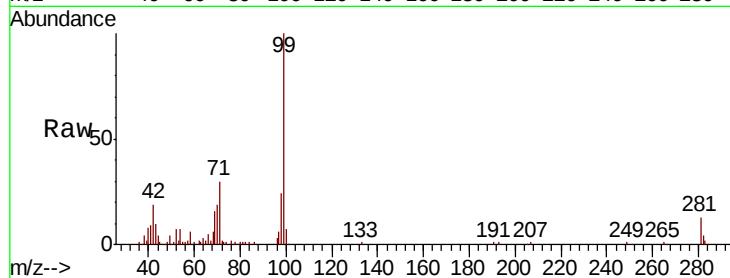
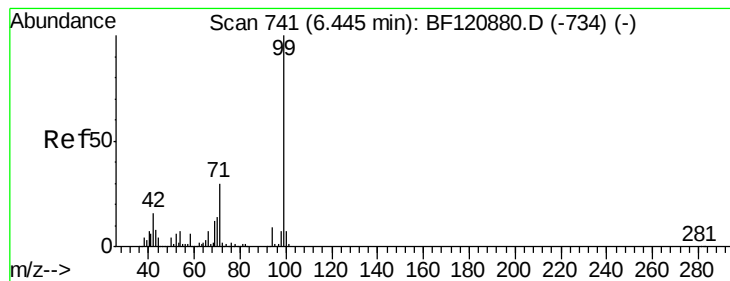
2-Fluorophenol
Concen: 21.316 ng
RT: 5.43 min Scan# 568
Delta R.T. 0.01 min
Lab File: BF121073.D
Acq: 28 Jul 2020 17:06

Tgt Ion:112 Resp: 188281
Ion Ratio Lower Upper
112 100
64 56.3 41.3 61.9
63 28.8 21.1 31.7



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: 10.757 ng

RT: 6.45 min Scan# 741

Delta R.T. 0.00 min

Lab File: BF121073.D

Acq: 28 Jul 2020 17:06

Instrument :

BNA_F

ClientSampleId :

11936

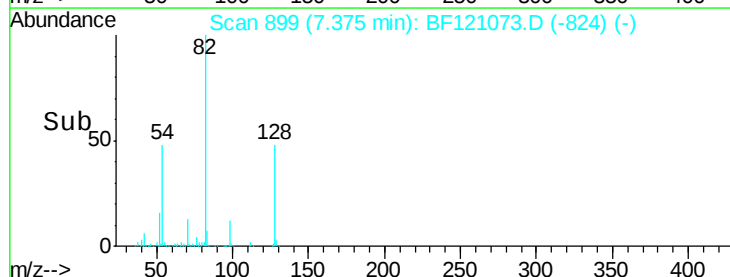
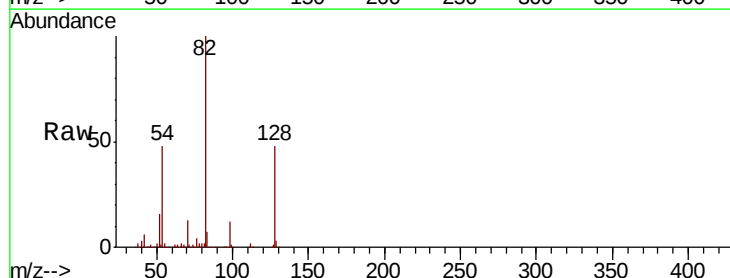
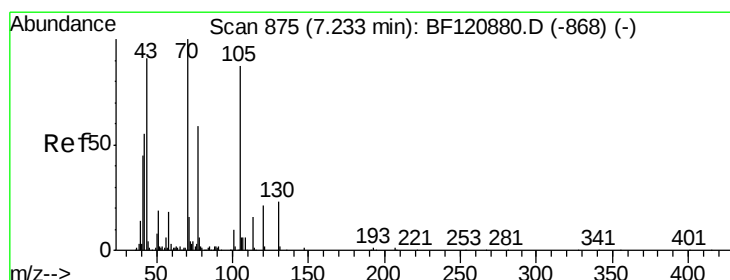
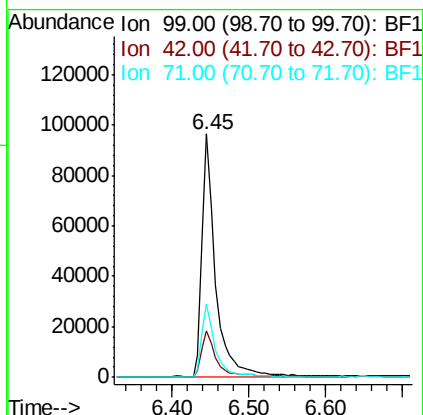
Tot Ion: 99 Resp: 122735

Ion Ratio Lower Upper

99 100

42 19.1 13.1 19.7

71 30.0 24.2 36.4



#19

n-Nitroso-di-n-propylamine

Concen: 12.743 ng

RT: 7.37 min Scan# 899

Delta R.T. 0.14 min

Lab File: BF121073.D

Acq: 28 Jul 2020 17:06

Tgt Ion: 70 Resp: 82675

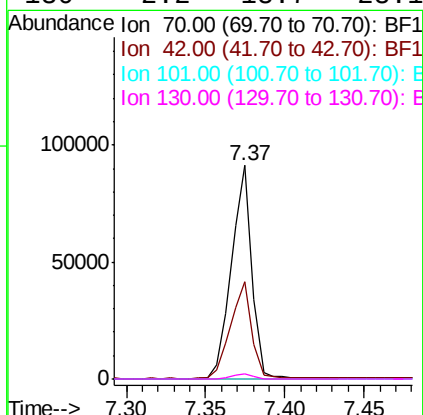
Ion Ratio Lower Upper

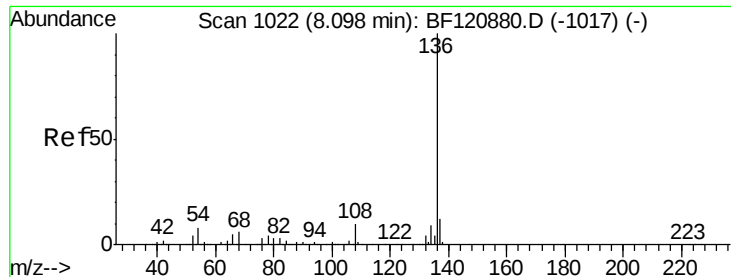
70 100

42 45.8 44.0 66.0

101 0.0 7.8 11.6#

130 2.2 18.7 28.1#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.09 min Scan# 1021

Delta R.T. -0.01 min

Lab File: BF121073.D

Acq: 28 Jul 2020 17:06

Instrument :

BNA_F

ClientSampleId :

11936

Tot Ion:136 Resp: 511782

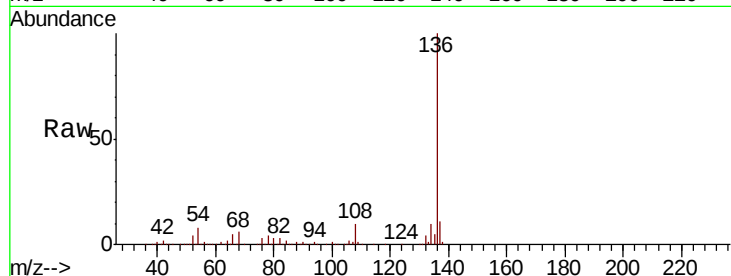
Ion Ratio Lower Upper

136 100

137 11.2 9.3 13.9

54 7.7 6.3 9.5

68 6.0 5.0 7.4

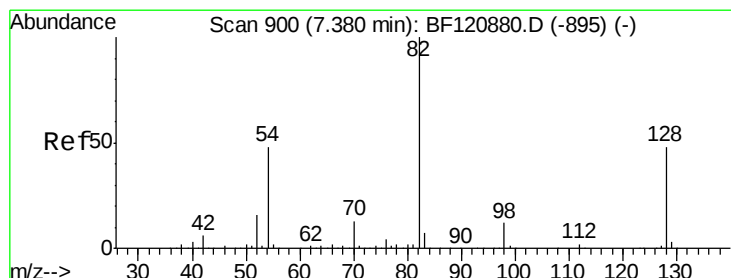
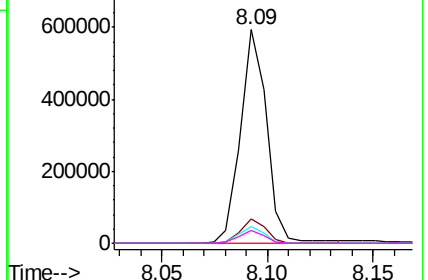
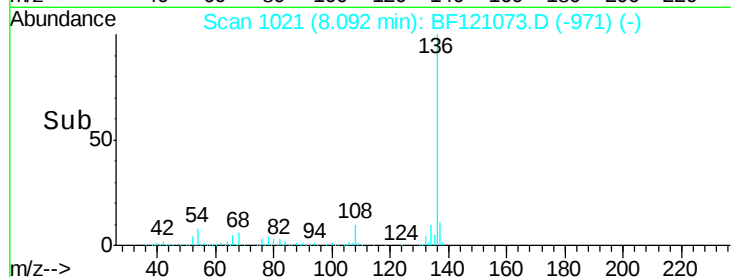


Abundance Ion 136.00 (135.70 to 136.70): E

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: 71.870 ng

RT: 7.37 min Scan# 899

Delta R.T. -0.01 min

Lab File: BF121073.D

Acq: 28 Jul 2020 17:06

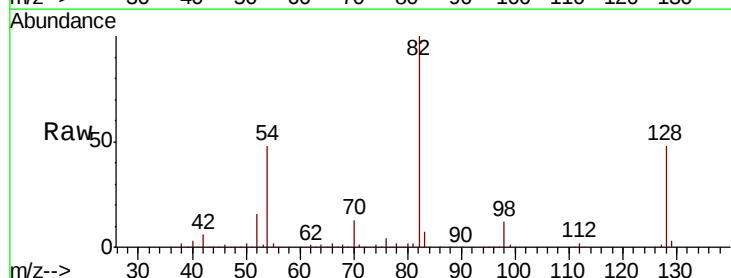
Tgt Ion: 82 Resp: 635672

Ion Ratio Lower Upper

82 100

128 47.9 38.2 57.4

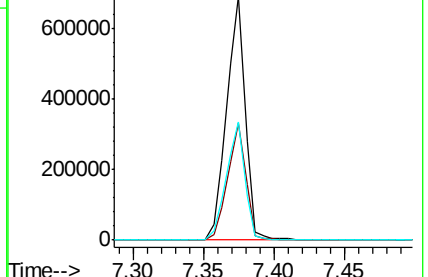
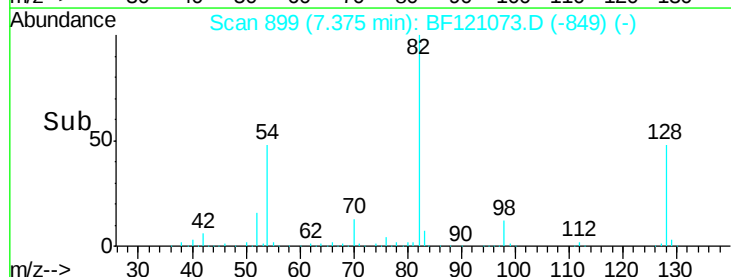
54 48.5 38.7 58.1

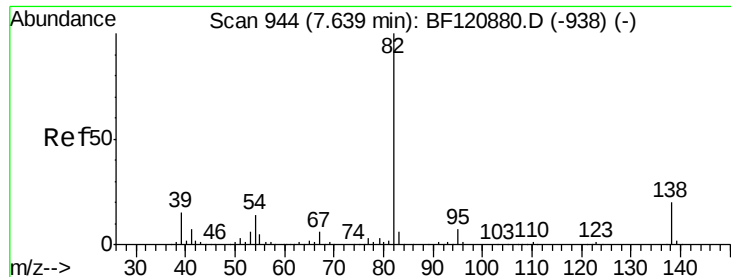


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 36.011 ng

RT: 7.37 min Scan# 899

Delta R.T. -0.26 min

Lab File: BF121073.D

Acq: 28 Jul 2020 17:06

Instrument :

BNA_F

ClientSampled :

11936

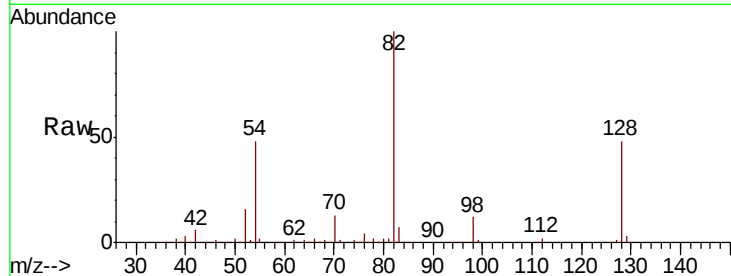
Tot Ion: 82 Resp: 635666

Ion Ratio Lower Upper

82 100

95 0.1 5.5 8.3#

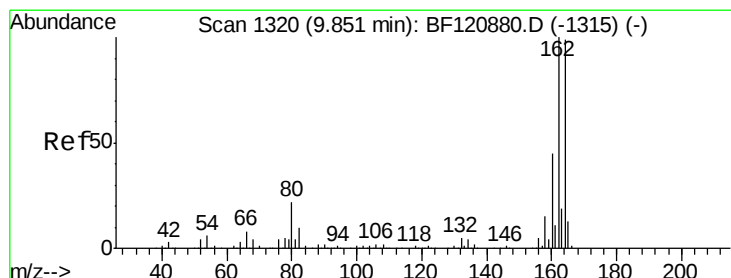
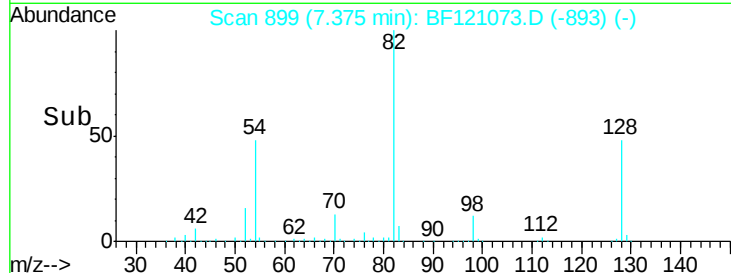
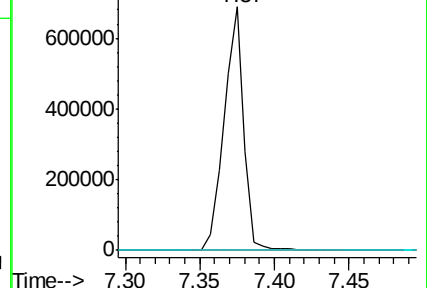
138 0.0 15.6 23.4#



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: 9.85 min Scan# 1319

Delta R.T. -0.01 min

Lab File: BF121073.D

Acq: 28 Jul 2020 17:06

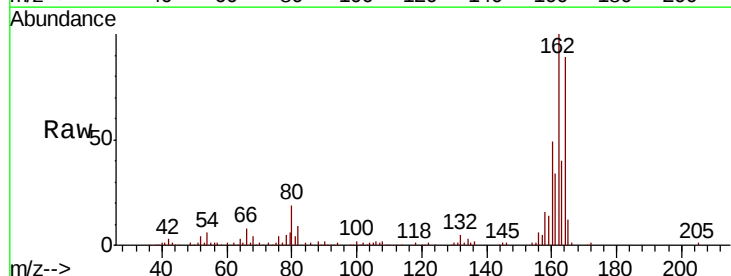
Tgt Ion: 164 Resp: 109913

Ion Ratio Lower Upper

164 100

162 112.4 81.2 121.8

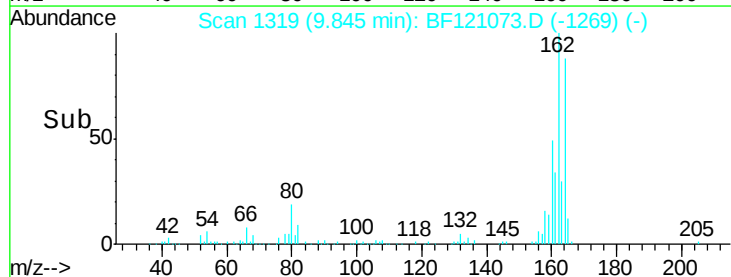
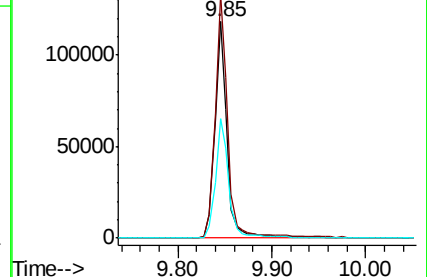
160 55.0 36.9 55.3

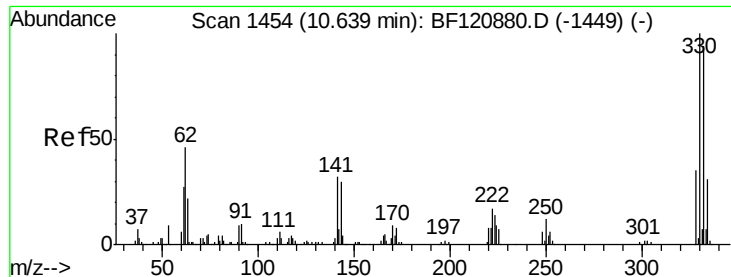


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#42

2,4,6-Tribromophenol

Concen: 71.292 ng

RT: 10.63 min Scan# 1453

Delta R.T. -0.01 min

Lab File: BF121073.D

Acq: 28 Jul 2020 17:06

Instrument :

BNA_F

ClientSampleId :

11936

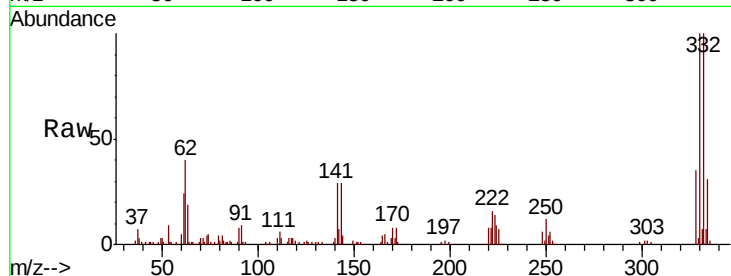
Tot Ion:330 Resp: 85772

Ion Ratio Lower Upper

330 100

332 94.4 75.5 113.3

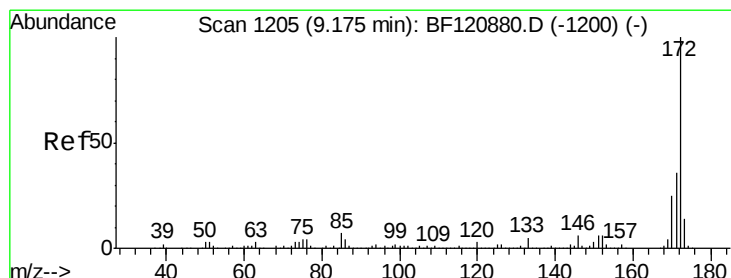
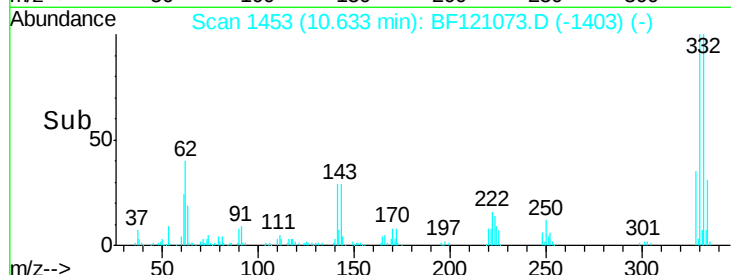
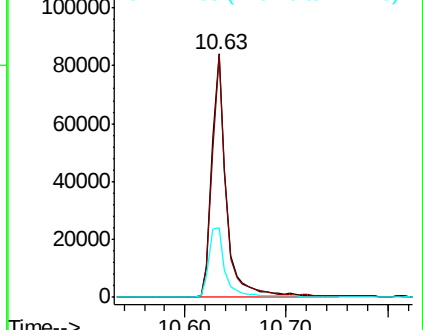
141 32.2 25.7 38.5



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: 175.348 ng

RT: 9.17 min Scan# 1204

Delta R.T. -0.01 min

Lab File: BF121073.D

Acq: 28 Jul 2020 17:06

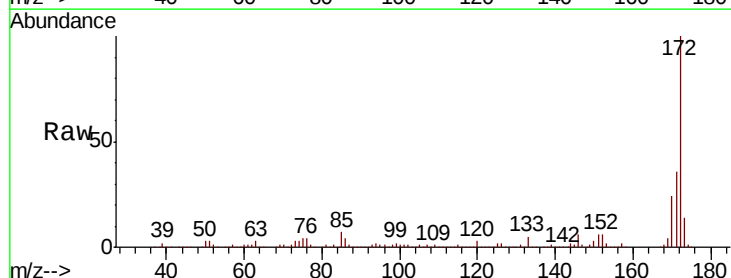
Tgt Ion:172 Resp: 1290855

Ion Ratio Lower Upper

172 100

171 35.9 29.0 43.4

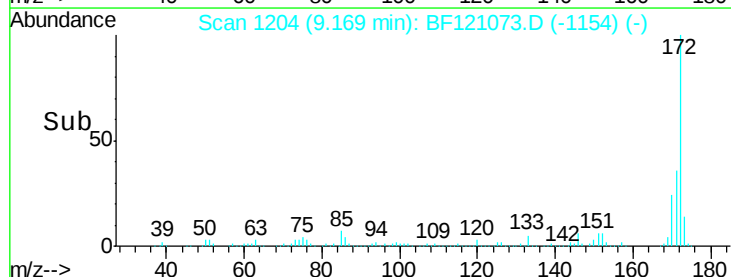
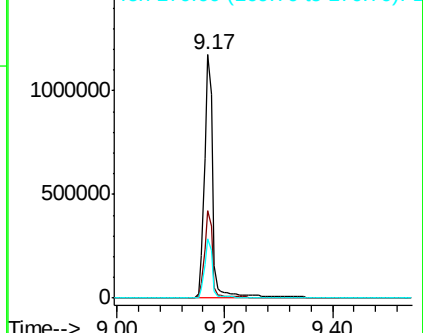
170 24.5 19.6 29.4

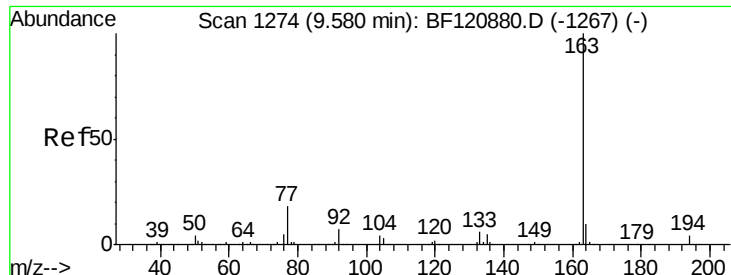


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

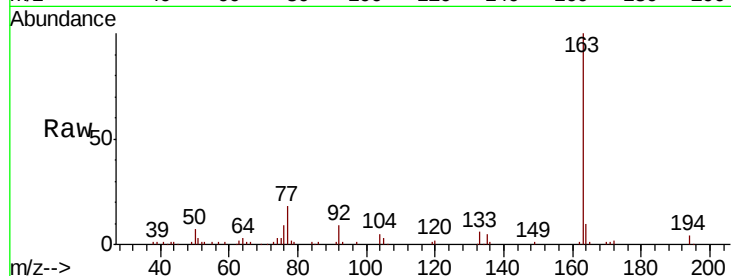




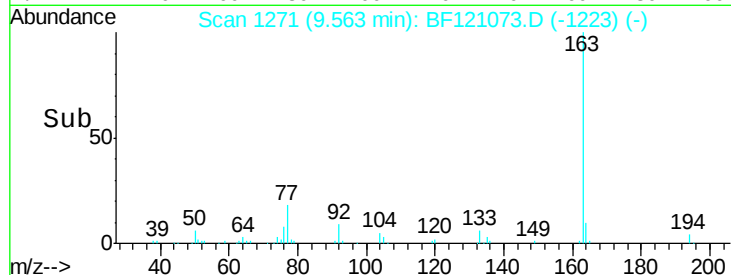
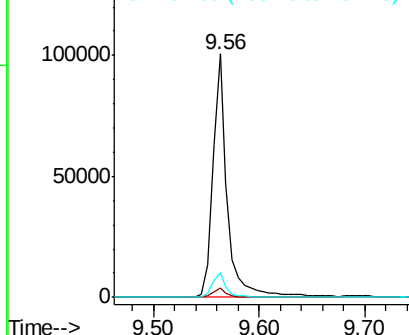
#50
Dimethylphthalate
Concen: 12.296 ng
RT: 9.56 min Scan# 1271
Delta R.T. -0.02 min
Lab File: BF121073.D
Acq: 28 Jul 2020 17:06

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Tot Ion:163 Resp: 97502
Ion Ratio Lower Upper
163 100
194 3.8 3.2 4.8
164 9.9 7.9 11.9

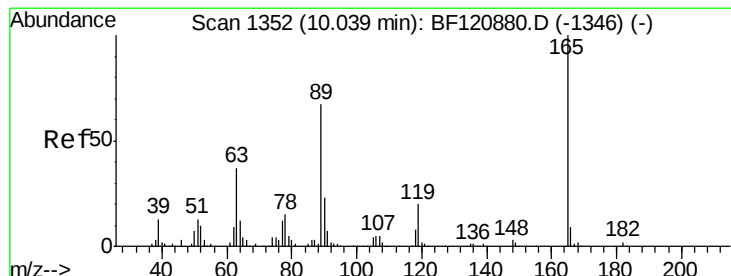


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

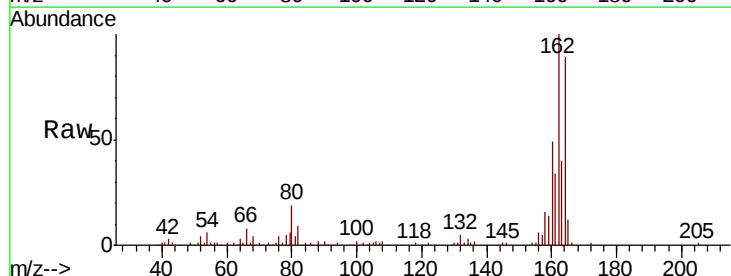
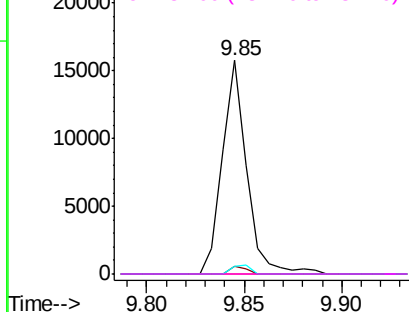


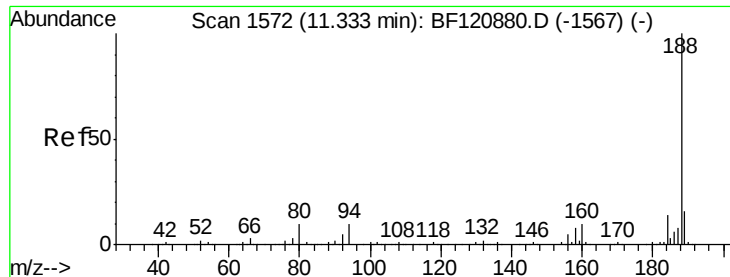
#57
2,4-Dinitrotoluene
Concen: 6.163 ng
RT: 9.85 min Scan# 1319
Delta R.T. -0.19 min
Lab File: BF121073.D
Acq: 28 Jul 2020 17:06

Tgt Ion:165 Resp: 13787
Ion Ratio Lower Upper
165 100
63 3.7 29.4 44.2#
89 3.6 53.4 80.0#
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

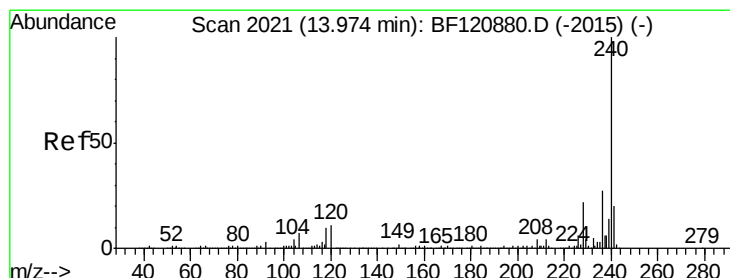
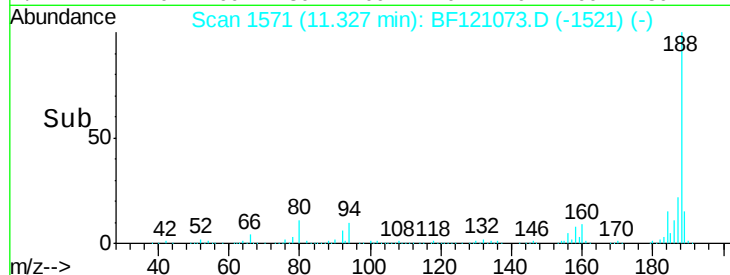
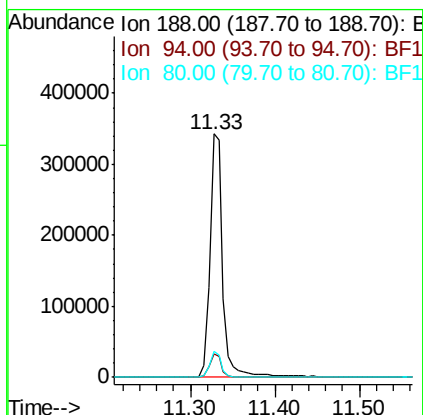
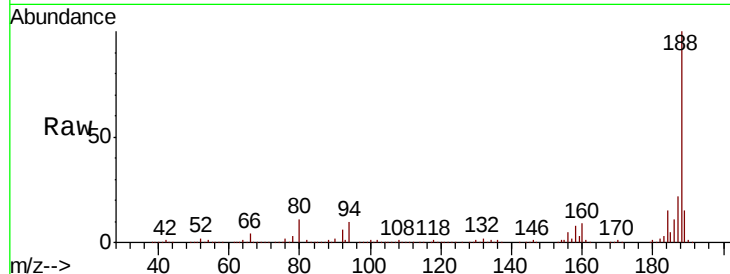




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.33 min Scan# 1571
Delta R.T. -0.01 min
Lab File: BF121073.D
Acq: 28 Jul 2020 17:06

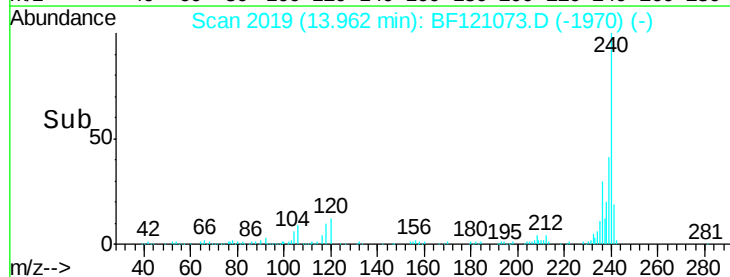
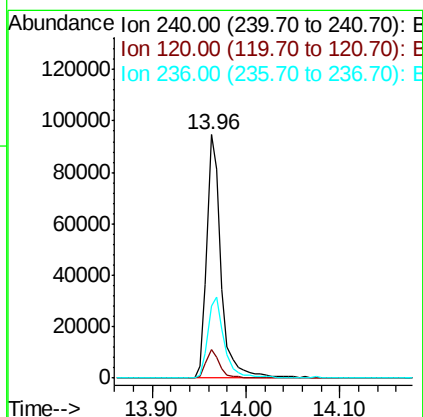
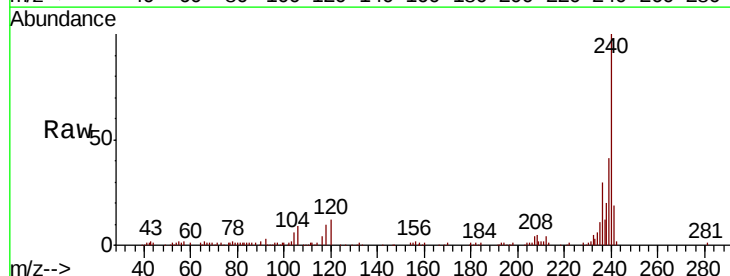
Instrument :
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11936

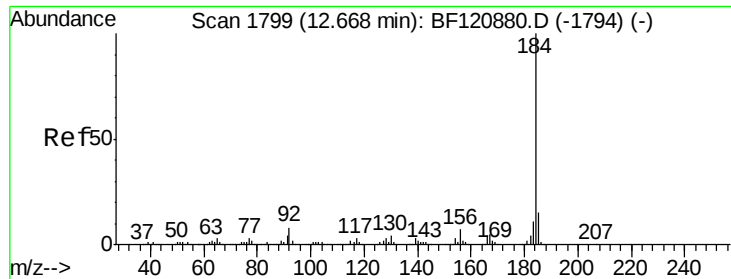
Tot Ion:188 Resp: 367488
Ion Ratio Lower Upper
188 100
94 9.7 8.0 12.0
80 10.6 8.3 12.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.96 min Scan# 2019
Delta R.T. -0.01 min
Lab File: BF121073.D
Acq: 28 Jul 2020 17:06

Tgt Ion:240 Resp: 102844
Ion Ratio Lower Upper
240 100
120 11.9 9.0 13.4
236 29.6 21.7 32.5





#77

Benzidine

Concen: 4.833 ng

RT: 12.92 min Scan# 1841

Delta R.T. 0.25 min

Lab File: BF121073.D

Acq: 28 Jul 2020 17:06

Instrument :

BNA_F

ClientSampleId :

11936

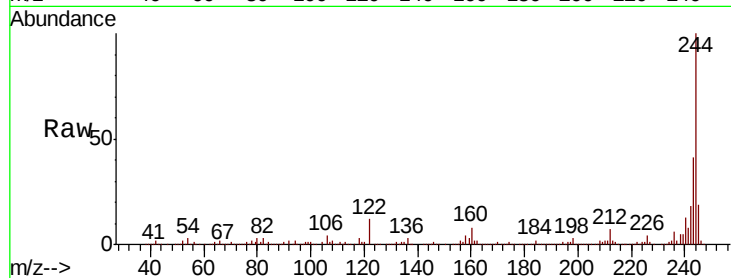
Tot Ion:184 Resp: 13067

Ion Ratio Lower Upper

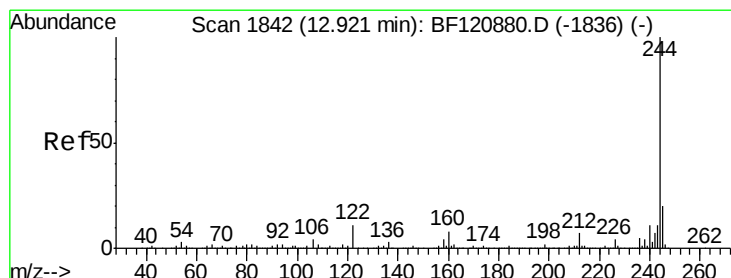
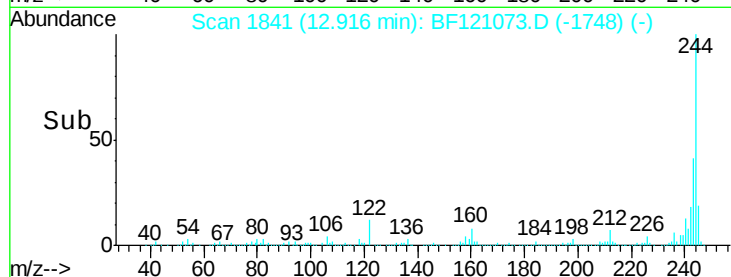
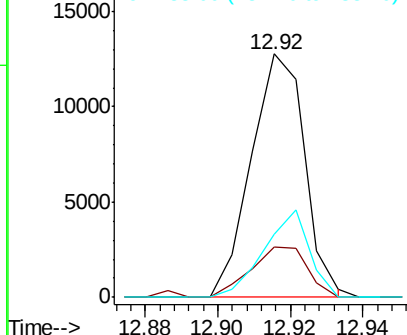
184 100

185 20.8 12.2 18.2#

183 25.8 8.5 12.7#



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: 179.539 ng

RT: 12.92 min Scan# 1841

Delta R.T. -0.01 min

Lab File: BF121073.D

Acq: 28 Jul 2020 17:06

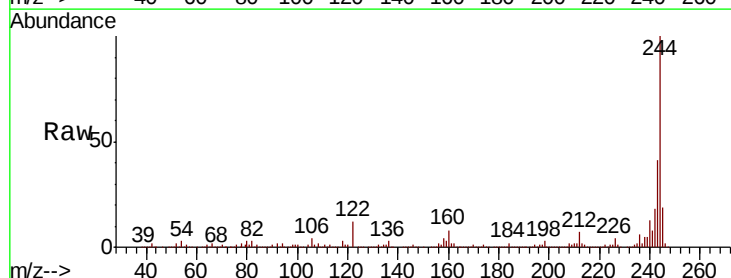
Tgt Ion:244 Resp: 849417

Ion Ratio Lower Upper

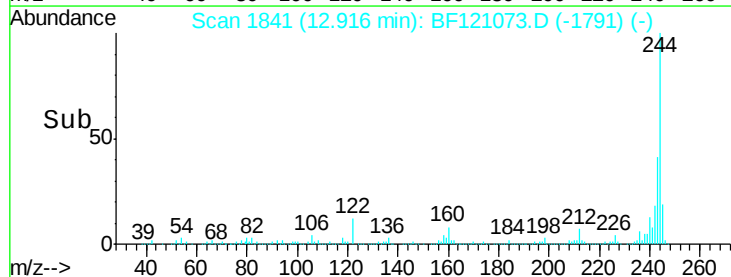
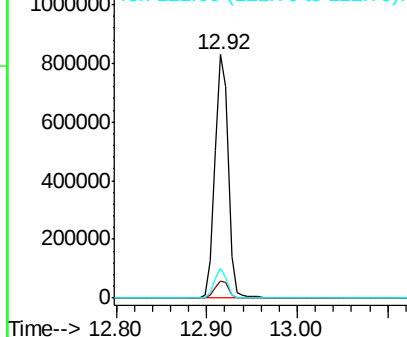
244 100

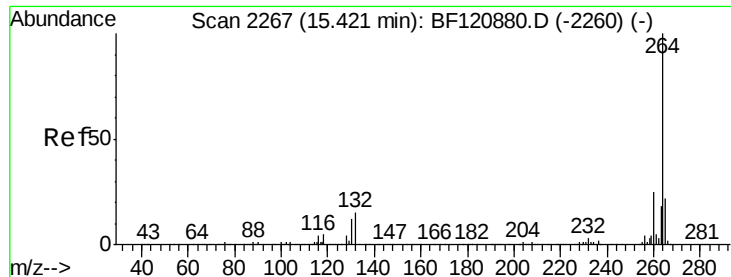
212 7.2 5.6 8.4

122 12.0 8.9 13.3



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

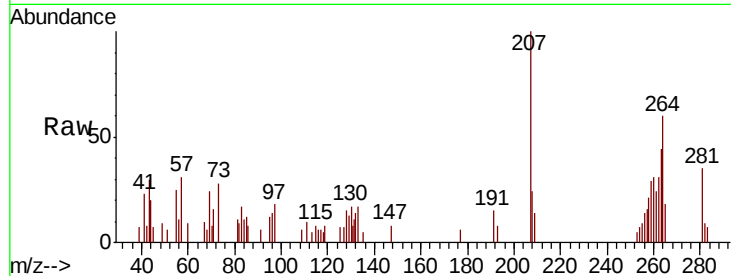




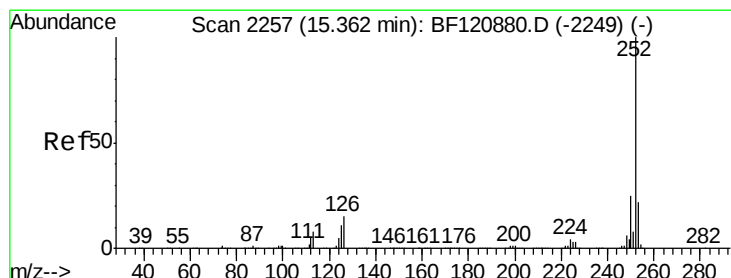
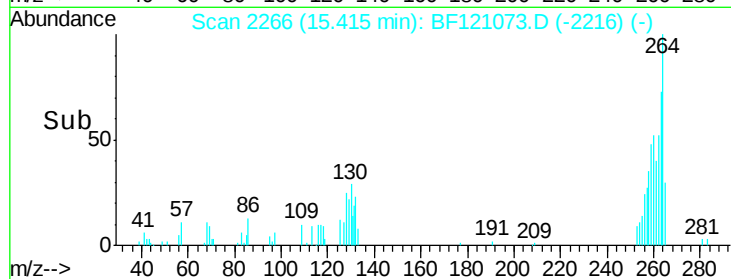
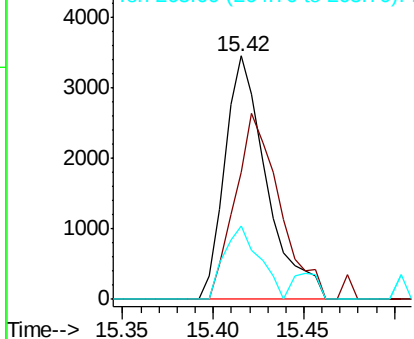
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.42 min Scan# 2266
Delta R.T. -0.01 min
Lab File: BF121073.D
Acq: 28 Jul 2020 17:06

Instrument :
BNA_F
ClientSampled :
11936

Tot Ion:264 Resp: 5550
Ion Ratio Lower Upper
264 100
260 52.1 20.0 30.0#
265 30.0 17.4 26.2#

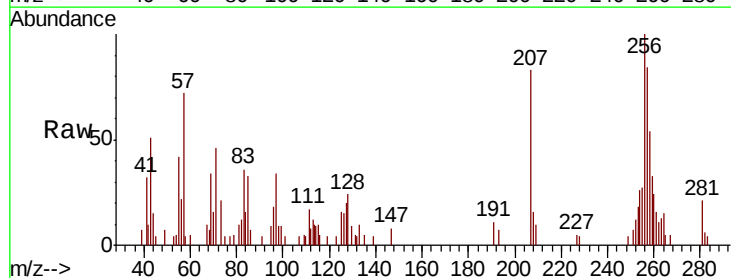


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E



#90
Benzo(a)pyrene
Concen: 3.306 ng
RT: 15.43 min Scan# 2269
Delta R.T. 0.07 min
Lab File: BF121073.D
Acq: 28 Jul 2020 17:06

Tgt Ion:252 Resp: 1012
Ion Ratio Lower Upper
252 100
253 152.0 17.8 26.8#
125 138.1 8.9 13.3#



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

