

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091420\
 Data File : BF121559.D
 Acq On : 14 Sep 2020 14:29
 Operator : JU/CG
 Sample : L3977-01
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EFF-WW

Quant Time: Sep 14 15:01:55 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	6.90	152	108503	20.00	ng	0.07
21) Naphthalene-d8	8.14	136	630344	20.00	ng	0.02
39) Acenaphthene-d10	9.89	164	301618	20.00	ng	0.02
64) Phenanthrene-d10	11.49	188	513370	20.00	ng	0.14
76) Chrysene-d12	13.99	240	471091	20.00	ng	0.00
86) Perylene-d12	15.44	264	454402	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.47	112	110	0.02	ng	0.02
7) Phenol-d6	6.68	99	409943	42.80	ng	0.22
23) Nitrobenzene-d5	7.47	82	1106894	94.28	ng	0.07
42) 2,4,6-Tribromophenol	10.66	330	47913	12.78	ng	0.00
45) 2-Fluorobiphenyl	9.19	172	1905363	95.68	ng	0.00
79) Terphenyl-d14	12.94	244	1719158	73.93	ng	0.00

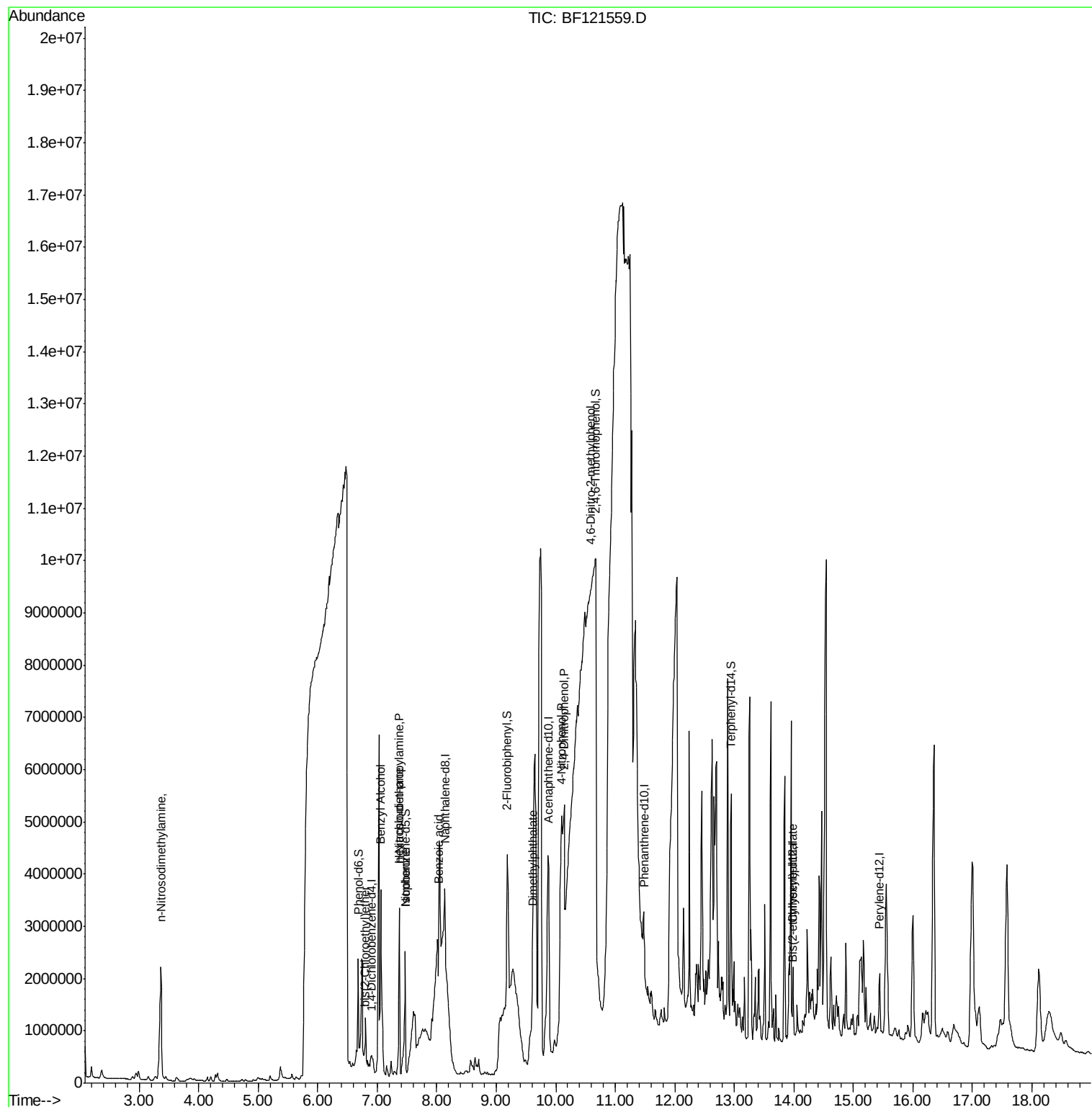
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) n-Nitrosodimethylamine	3.37	42	24179	5.622	ng	# 1
11) bis(2-Chloroethyl)ether	6.78	93	30340	3.947	ng	# 51
15) Benzyl Alcohol	7.06	79	42656	6.552	ng	# 50
18) Hexachloroethane	7.37	117	6126	2.054	ng	# 2
19) n-Nitroso-di-n-propylamine	7.37	70	17997	3.260	ng	# 1
25) Isophorone	7.47	82	1106517	46.821	ng	# 66
32) Benzoic acid	8.03	122	42352	11.539	ng	# 87
50) Dimethylphthalate	9.60	163	77816	3.560	ng	# 97
54) 2,4-Dinitrophenol	10.13	184	4712	10.604	ng	# 50
56) 4-Nitrophenol	10.09	139	30396	7.067	ng	# 37
65) 4,6-Dinitro-2-methylphenol	10.59	198	849	7.083	ng	# 1
84) Bis(2-ethylhexyl)phthalate	13.97	149	39029	2.099	ng	# 95

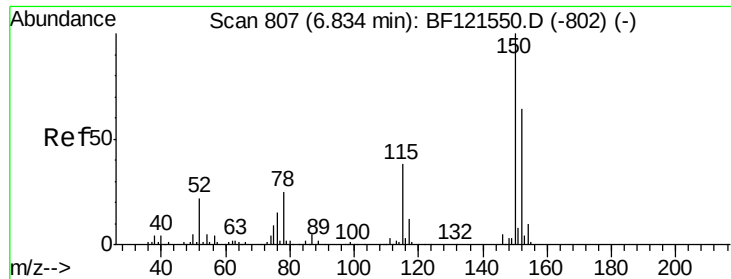
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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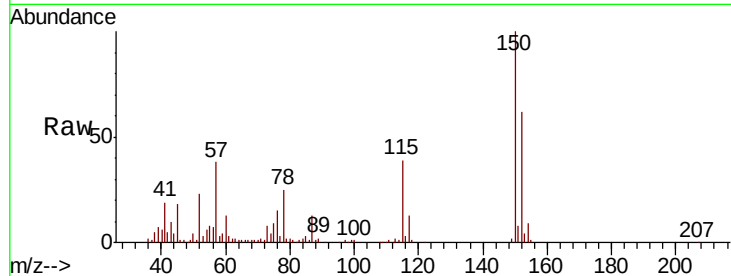


#1

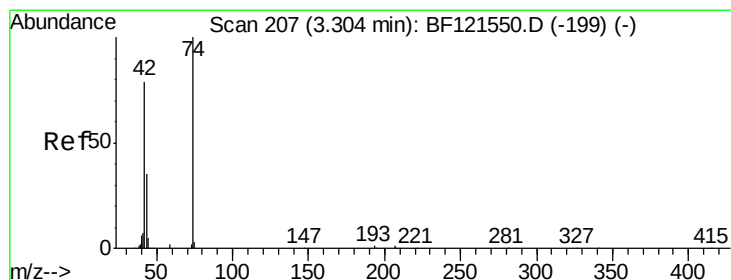
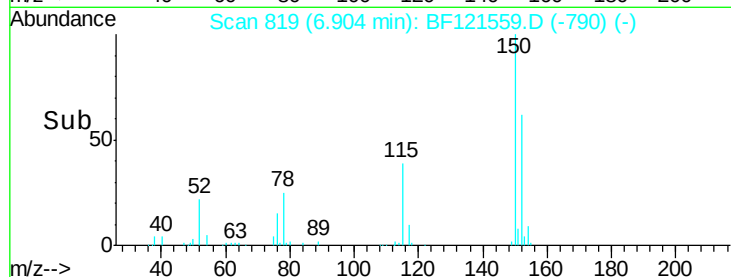
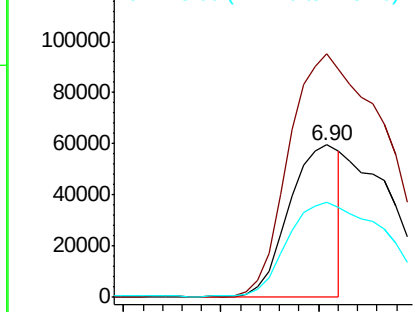
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.90 min Scan# 819
Delta R.T. 0.07 min
Lab File: BF121559.D
Acq: 14 Sep 2020 14:29

Instrument :
BNA_F
ClientSampleId :
EFF-WW

Tot Ion:152 Resp: 108503
Ion Ratio Lower Upper
152 100
150 160.0 125.8 188.6
115 62.6 47.8 71.8



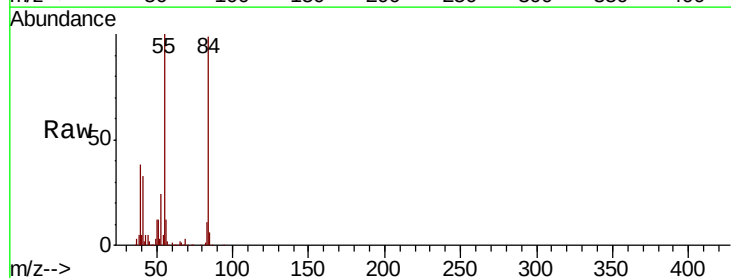
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



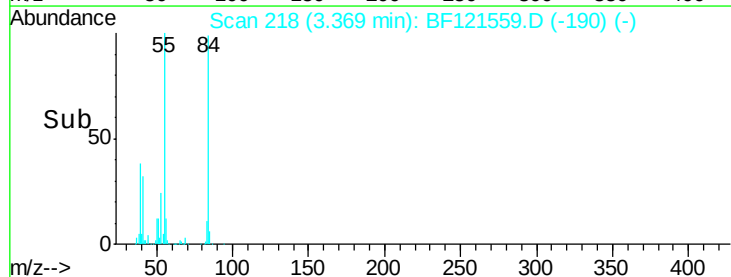
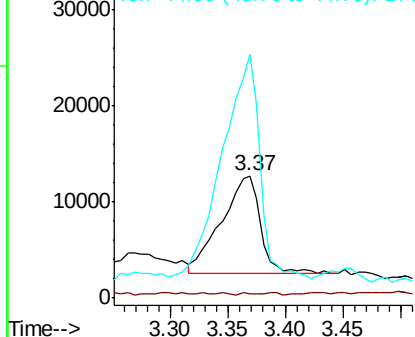
#4

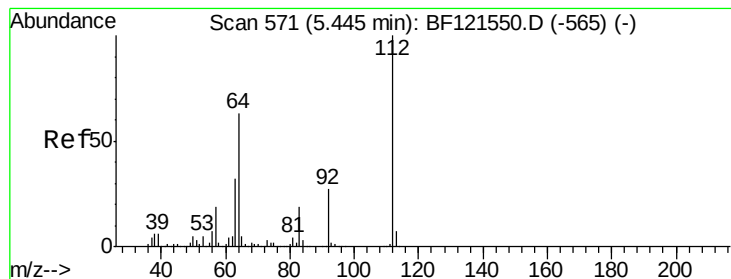
n-Nitrosodimethylamine
Concen: 5.622 ng
RT: 3.37 min Scan# 218
Delta R.T. 0.06 min
Lab File: BF121559.D
Acq: 14 Sep 2020 14:29

Tgt Ion: 42 Resp: 24179
Ion Ratio Lower Upper
42 100
74 3.5 101.7 152.5#
44 198.6 5.4 8.2#



Abundance Ion 42.00 (41.70 to 42.70): BF1
Ion 74.00 (73.70 to 74.70): BF1
Ion 44.00 (43.70 to 44.70): BF1





#5

2-Fluorophenol

Concen: 0.015 ng

RT: 5.47 min Scan# 575

Delta R.T. 0.02 min

Lab File: BF121559.D

Acq: 14 Sep 2020 14:29

Instrument :

BNA_F

ClientSampleId :

EFF-WW

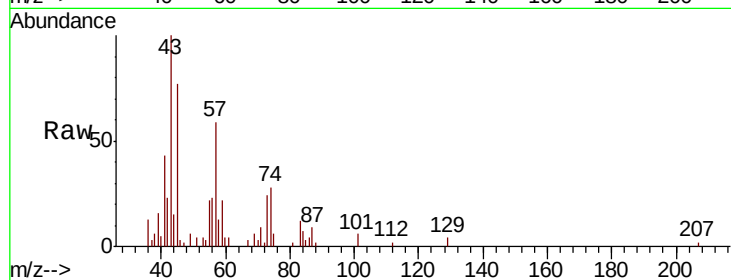
Tot Ion:112 Resp: 110

Ion Ratio Lower Upper

112 100

64 0.0 50.3 75.5#

63 0.0 25.6 38.4#

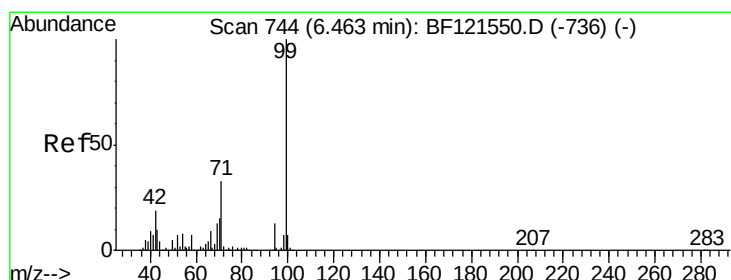
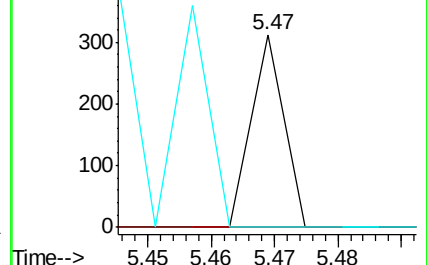
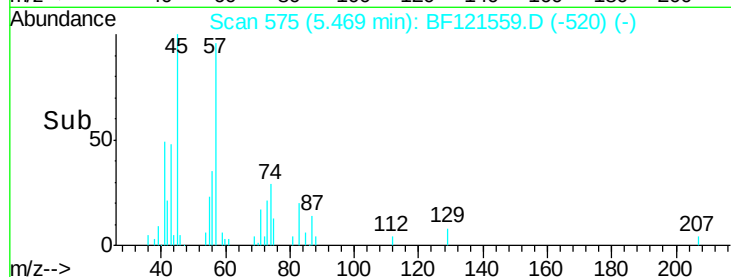


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1

Time-->



#7

Phenol-d6

Concen: 42.798 ng

RT: 6.68 min Scan# 781

Delta R.T. 0.22 min

Lab File: BF121559.D

Acq: 14 Sep 2020 14:29

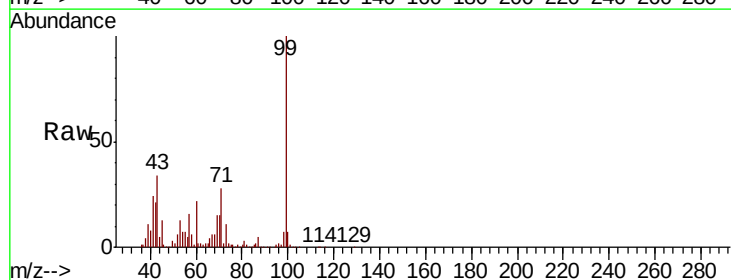
Tgt Ion: 99 Resp: 409943

Ion Ratio Lower Upper

99 100

42 20.9 15.5 23.3

71 27.9 26.1 39.1

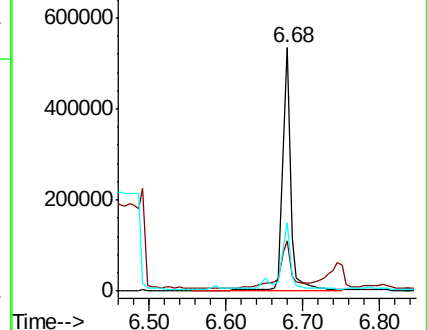
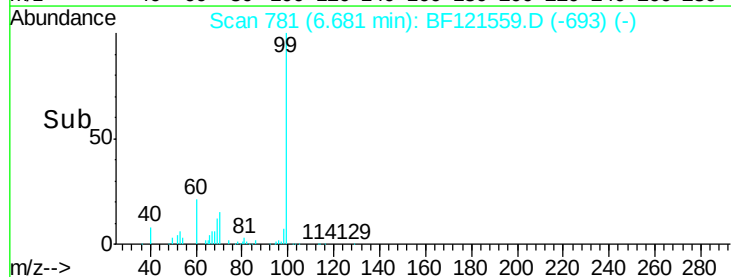


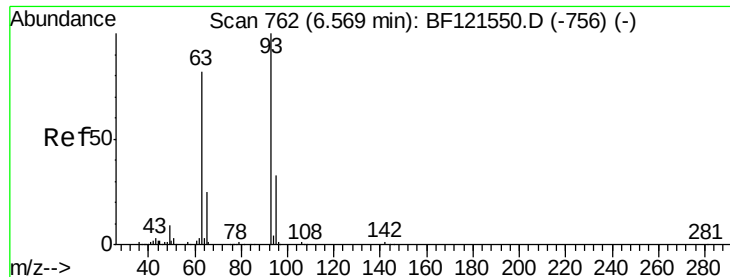
Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1

Time-->

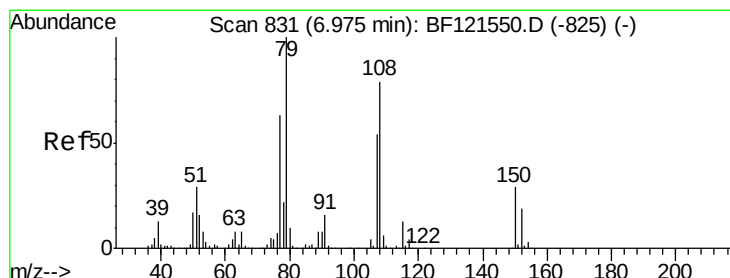
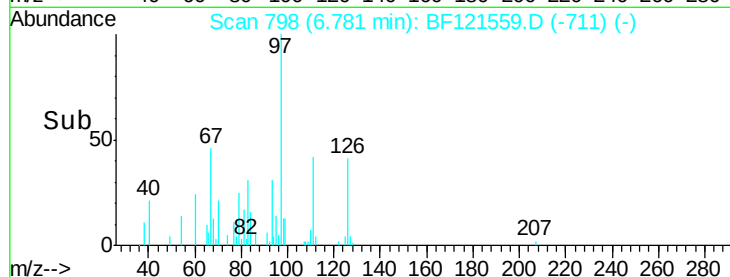
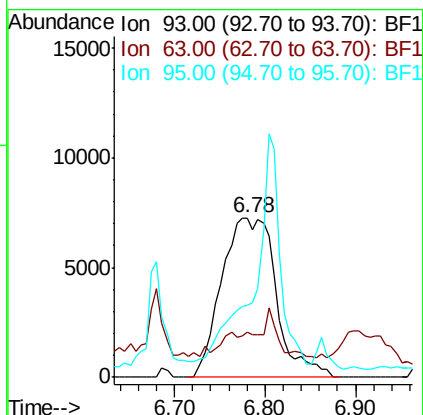
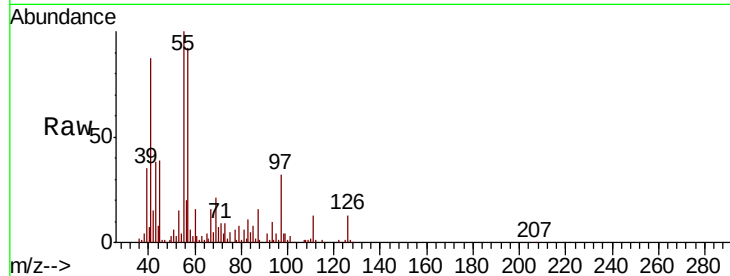




#11
bis(2-Chloroethyl)ether
Concen: 3.947 ng
RT: 6.78 min Scan# 798
Delta R.T. 0.21 min
Lab File: BF121559.D
Acq: 14 Sep 2020 14:29

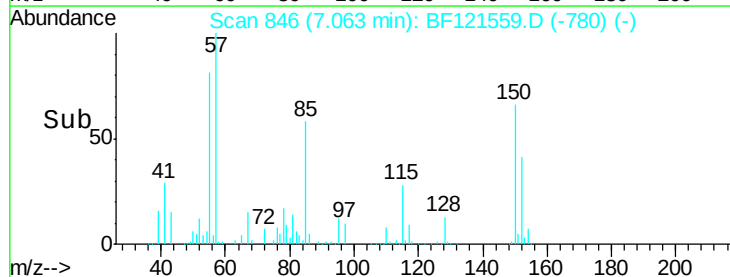
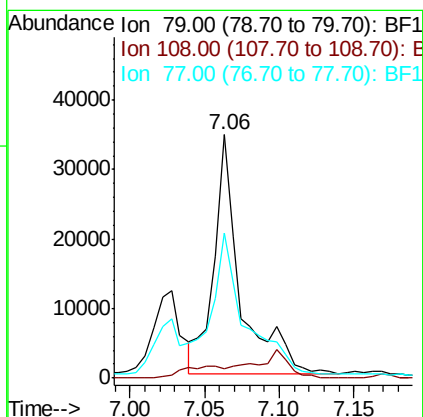
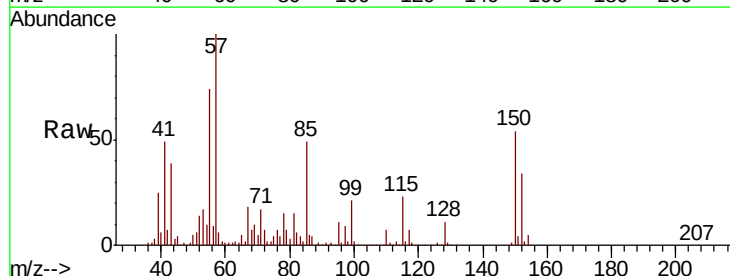
Instrument :
BNA_F
ClientSampled :
EFF-WW

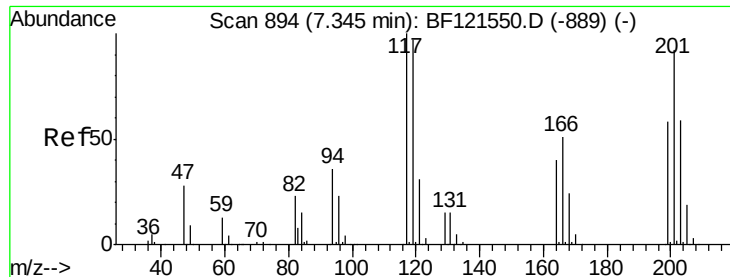
Tot Ion: 93 Resp: 30340
Ion Ratio Lower Upper
93 100
63 28.2 61.7 101.7#
95 45.2 12.7 52.7



#15
Benzyl Alcohol
Concen: 6.552 ng
RT: 7.06 min Scan# 846
Delta R.T. 0.09 min
Lab File: BF121559.D
Acq: 14 Sep 2020 14:29

Tgt Ion: 79 Resp: 42656
Ion Ratio Lower Upper
79 100
108 3.9 63.1 94.7#
77 59.4 50.2 75.2

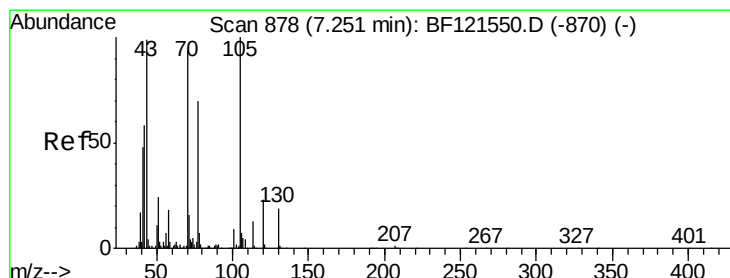
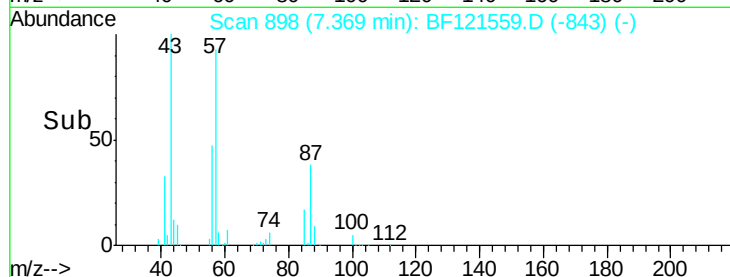
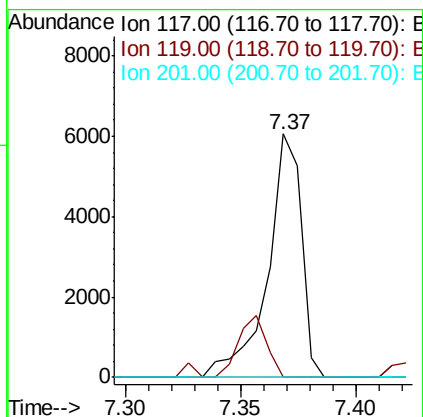
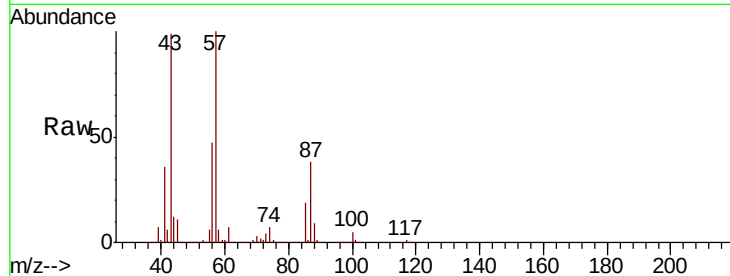




#18
Hexachloroethane
Concen: 2.054 ng
RT: 7.37 min Scan# 898
Delta R.T. 0.02 min
Lab File: BF121559.D
Acq: 14 Sep 2020 14:29

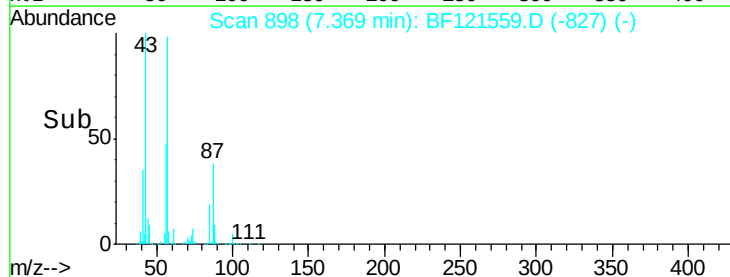
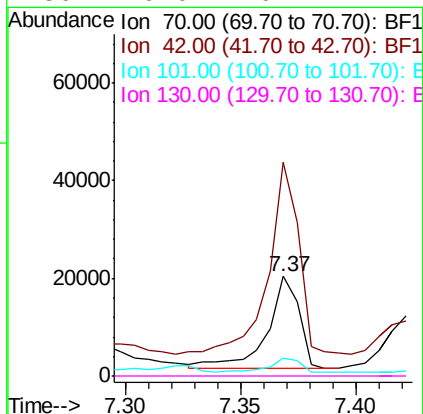
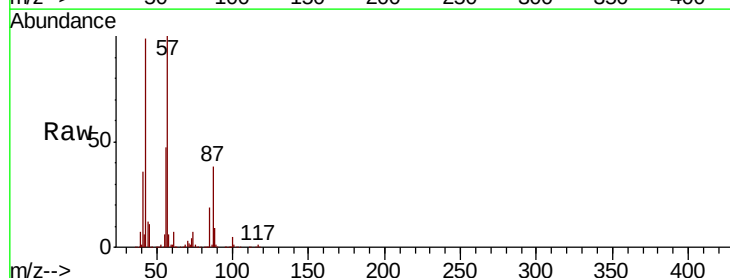
Instrument :
BNA_F
ClientSampleId :
EFF-WW

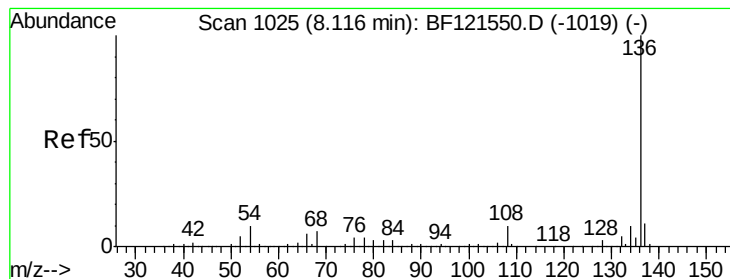
Tot Ion:117 Resp: 6126
Ion Ratio Lower Upper
117 100
119 0.0 77.2 115.8#
201 0.0 73.7 110.5#



#19
n-Nitroso-di-n-propylamine
Concen: 3.260 ng
RT: 7.37 min Scan# 898
Delta R.T. 0.12 min
Lab File: BF121559.D
Acq: 14 Sep 2020 14:29

Tgt Ion: 70 Resp: 17997
Ion Ratio Lower Upper
70 100
42 215.0 49.4 74.2#
101 18.7 7.6 11.4#
130 0.0 16.2 24.4#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.14 min Scan# 1029

Delta R.T. 0.02 min

Lab File: BF121559.D

Acq: 14 Sep 2020 14:29

Instrument :

BNA_F

ClientSampleId :

EFF-WW

Tot Ion:136 Resp: 630344

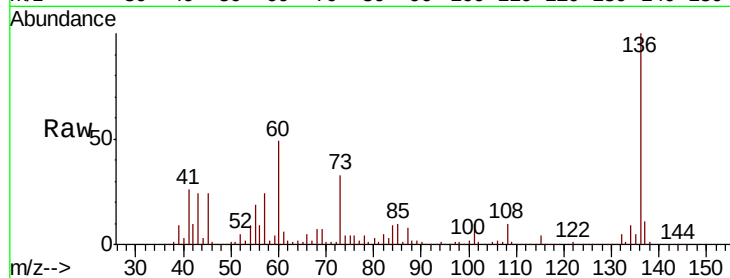
Ion Ratio Lower Upper

136 100

137 10.8 9.0 13.6

54 9.5 7.6 11.4

68 7.1 5.7 8.5

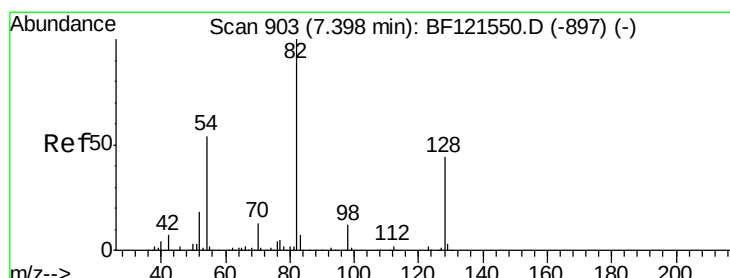
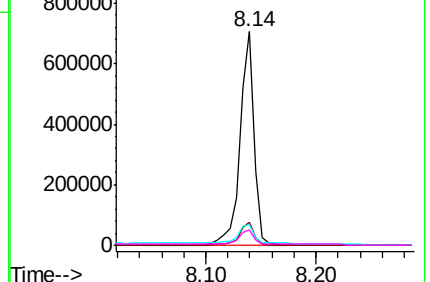
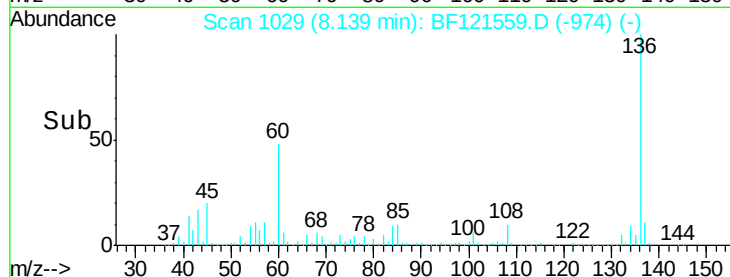


Abundance Ion 136.00 (135.70 to 136.70): E

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: 94.284 ng

RT: 7.47 min Scan# 915

Delta R.T. 0.07 min

Lab File: BF121559.D

Acq: 14 Sep 2020 14:29

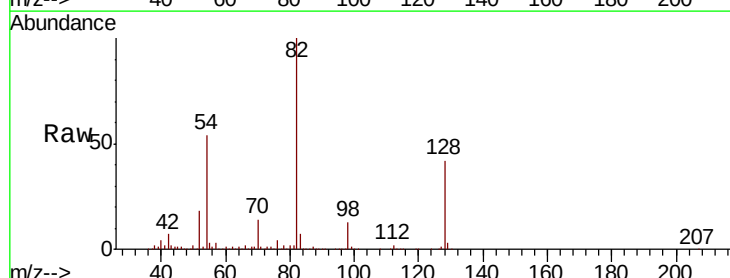
Tgt Ion: 82 Resp: 1106894

Ion Ratio Lower Upper

82 100

128 42.1 35.1 52.7

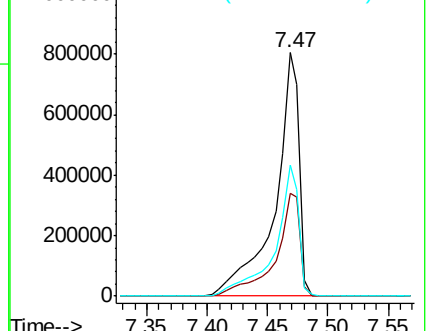
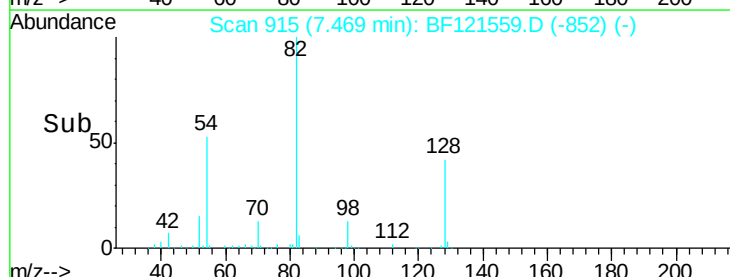
54 53.7 43.0 64.6

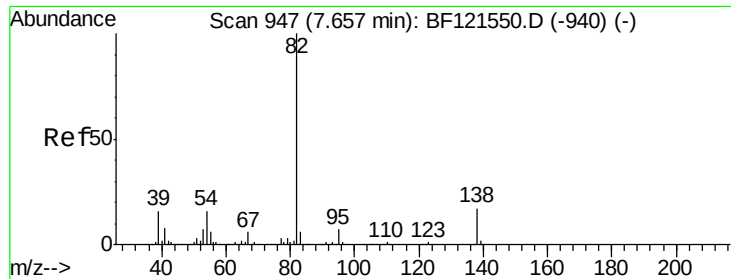


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 46.821 ng

RT: 7.47 min Scan# 915

Delta R.T. -0.19 min

Lab File: BF121559.D

Acq: 14 Sep 2020 14:29

Instrument :

BNA_F

ClientSampleId :

EFF-WW

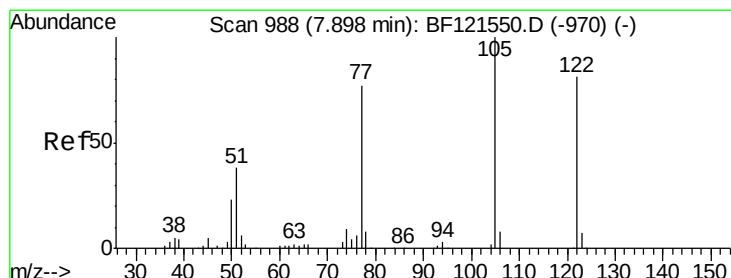
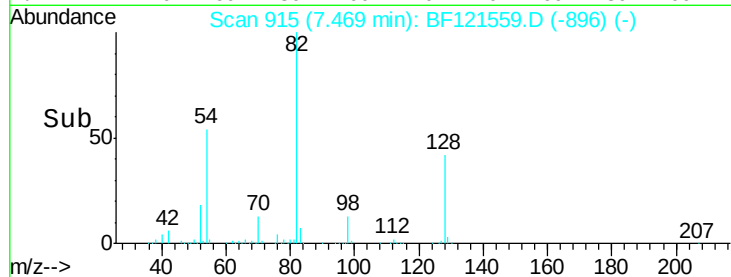
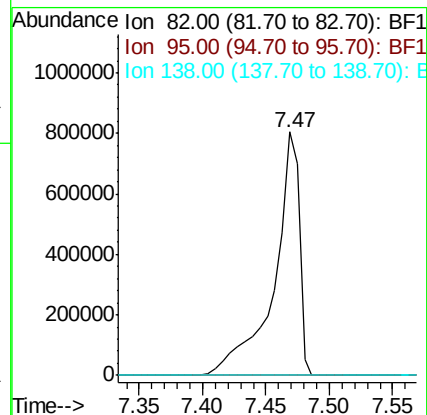
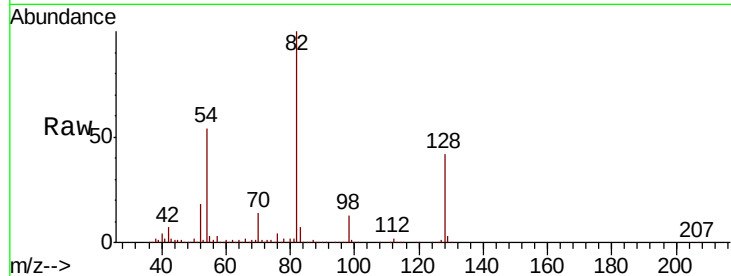
Tot Ion: 82 Resp: 1106517

Ion Ratio Lower Upper

82 100

95 0.1 5.3 7.9#

138 0.0 13.7 20.5#



#32

Benzoic acid

Concen: 11.539 ng

RT: 8.03 min Scan# 1010

Delta R.T. 0.13 min

Lab File: BF121559.D

Acq: 14 Sep 2020 14:29

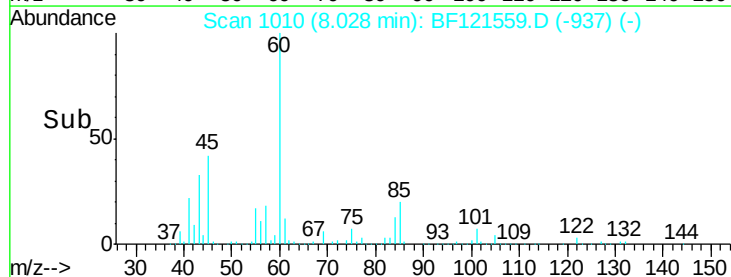
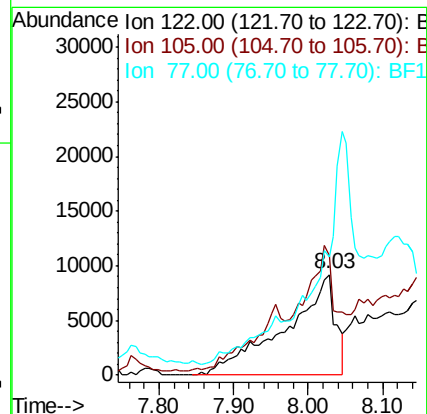
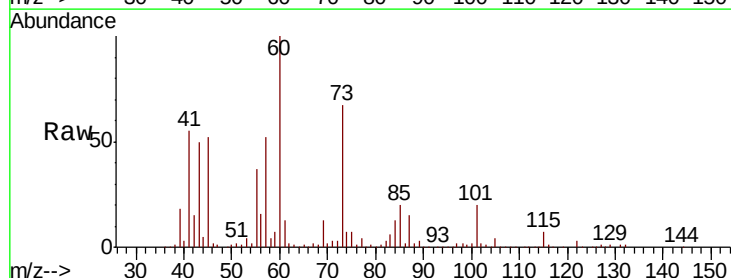
Tgt Ion: 122 Resp: 42352

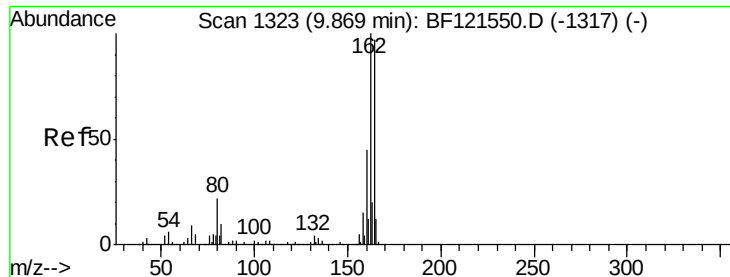
Ion Ratio Lower Upper

122 100

105 118.0 100.5 140.5

77 117.6 72.6 112.6#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.89 min Scan# 1326

Delta R.T. 0.02 min

Lab File: BF121559.D

Acq: 14 Sep 2020 14:29

Instrument :

BNA_F

ClientSampleId :

EFF-WW

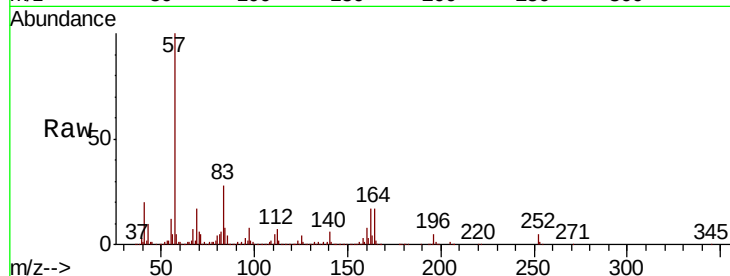
Tot Ion:164 Resp: 301618

Ion Ratio Lower Upper

164 100

162 100.0 82.3 123.5

160 44.9 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

9.89

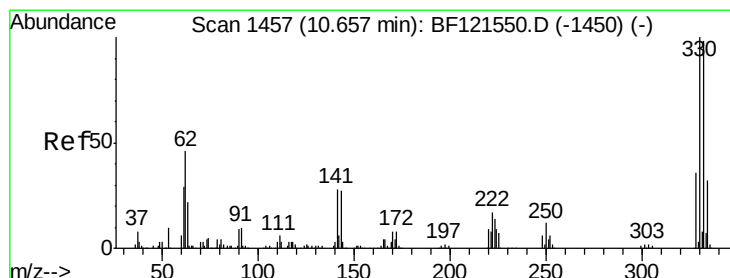
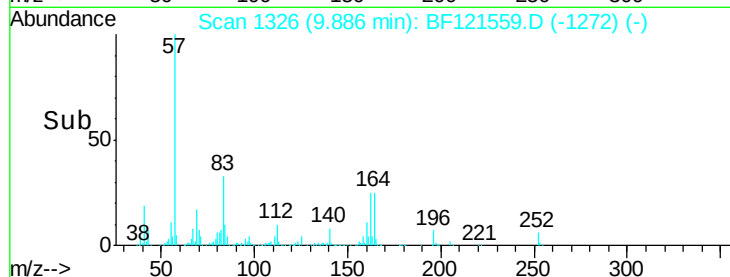
150000

100000

50000

0

Time-->



#42

2,4,6-Tribromophenol

Concen: 12.781 ng

RT: 10.66 min Scan# 1458

Delta R.T. 0.01 min

Lab File: BF121559.D

Acq: 14 Sep 2020 14:29

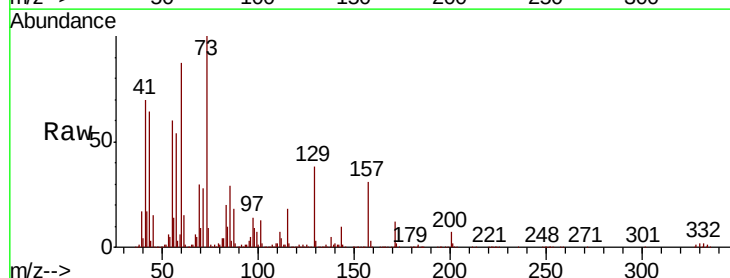
Tgt Ion:330 Resp: 47913

Ion Ratio Lower Upper

330 100

332 98.6 77.1 115.7

141 20.6 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

10.66

25000

20000

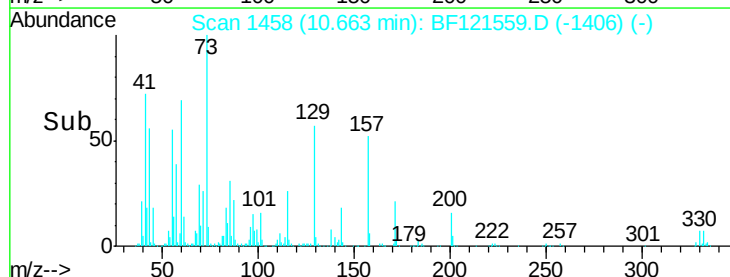
15000

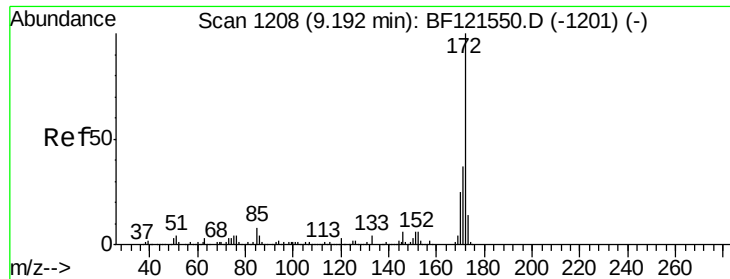
10000

5000

0

Time-->

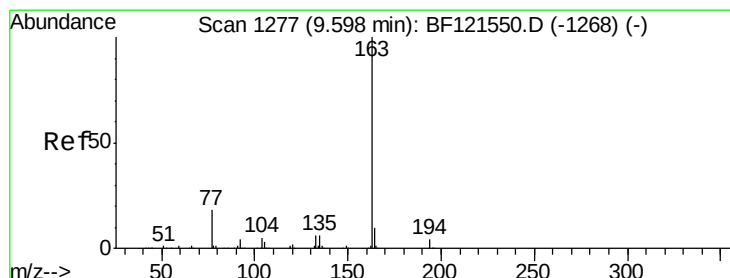
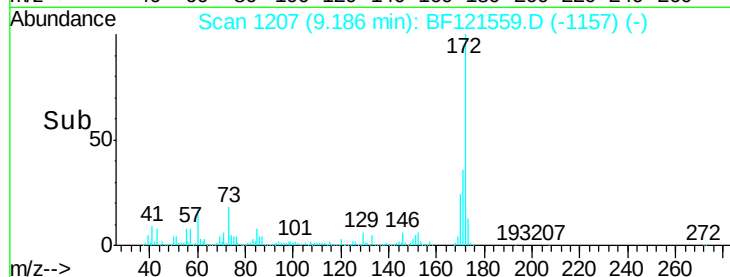
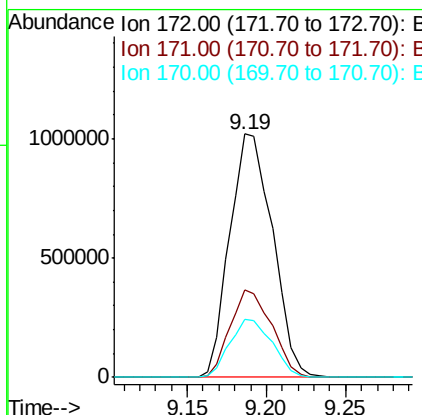
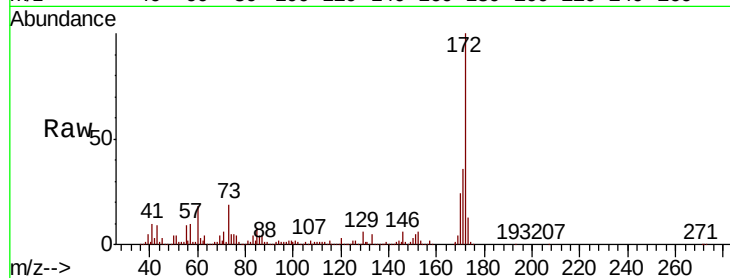




#45
2-Fluorobiphenyl
Concen: 95.675 ng
RT: 9.19 min Scan# 1207
Delta R.T. -0.01 min
Lab File: BF121559.D
Acq: 14 Sep 2020 14:29

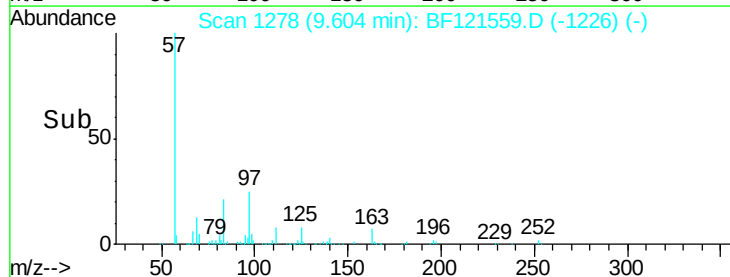
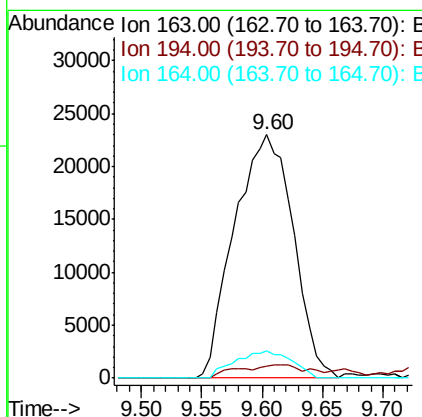
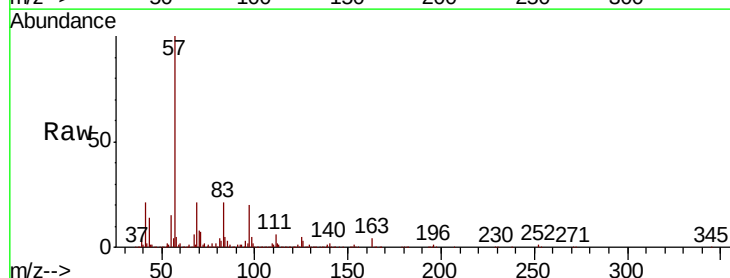
Instrument :
BNA_F
ClientSampleId :
EFF-WW

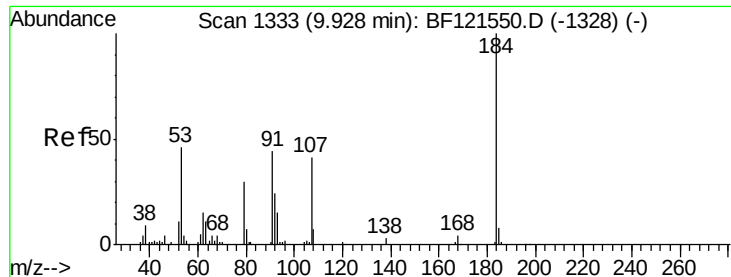
Tot Ion:172 Resp: 1905363
Ion Ratio Lower Upper
172 100
171 35.9 29.8 44.6
170 24.0 19.8 29.8



#50
Dimethylphthalate
Concen: 3.560 ng
RT: 9.60 min Scan# 1278
Delta R.T. 0.01 min
Lab File: BF121559.D
Acq: 14 Sep 2020 14:29

Tgt Ion:163 Resp: 77816
Ion Ratio Lower Upper
163 100
194 4.9 3.4 5.0
164 11.1 7.9 11.9





#54

2,4-Dinitrophenol

Concen: 10.604 ng

RT: 10.13 min Scan# 1367

Delta R.T. 0.20 min

Lab File: BF121559.D

Acq: 14 Sep 2020 14:29

Instrument :

BNA_F

ClientSampleId :

EFF-WW

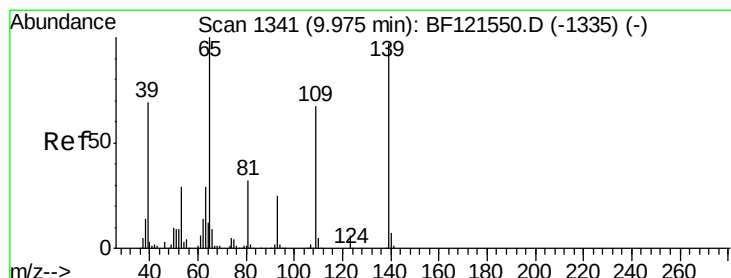
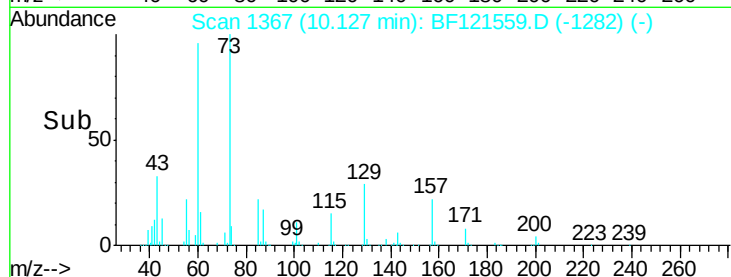
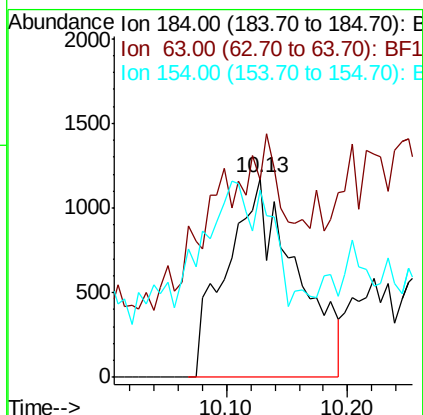
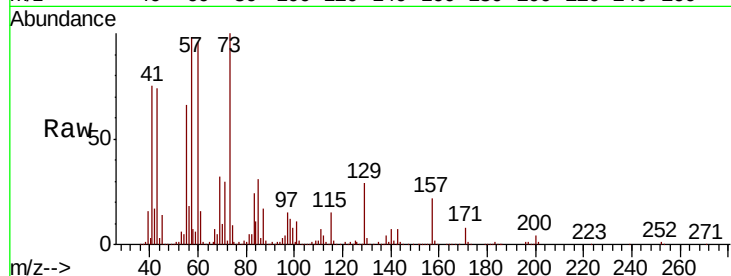
Tot Ion:184 Resp: 4712

Ion Ratio Lower Upper

184 100

63 99.7 47.7 71.5#

154 94.3 47.2 70.8#



#56

4-Nitrophenol

Concen: 7.067 ng

RT: 10.09 min Scan# 1360

Delta R.T. 0.11 min

Lab File: BF121559.D

Acq: 14 Sep 2020 14:29

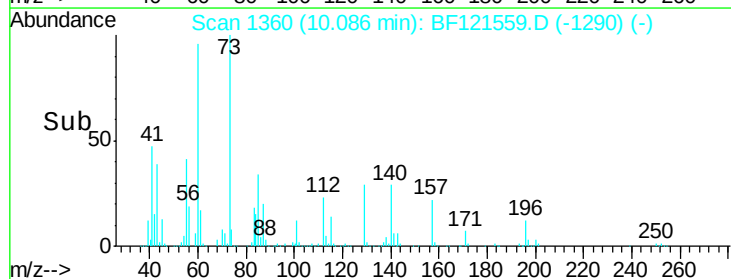
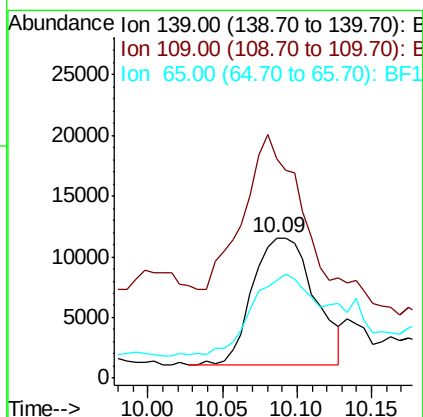
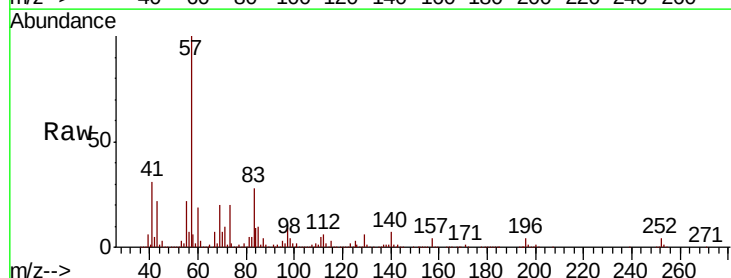
Tgt Ion:139 Resp: 30396

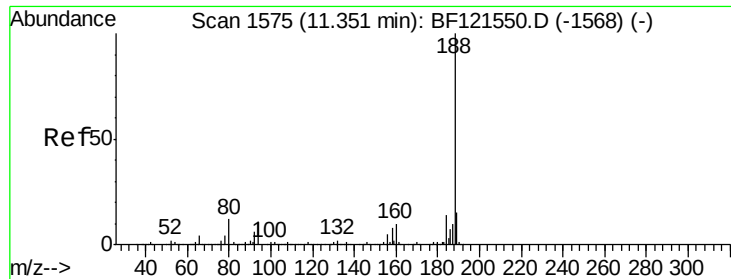
Ion Ratio Lower Upper

139 100

109 156.2 48.8 88.8#

65 69.7 83.6 123.6#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.49 min Scan# 1598

Delta R.T. 0.14 min

Lab File: BF121559.D

Acq: 14 Sep 2020 14:29

Instrument :

BNA_F

ClientSampleId :

EFF-WW

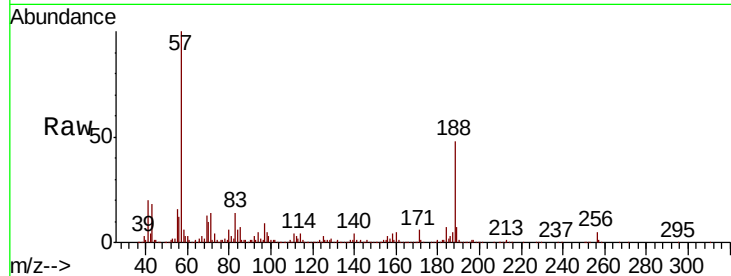
Tot Ion:188 Resp: 513370

Ion Ratio Lower Upper

188 100

94 11.1 8.7 13.1

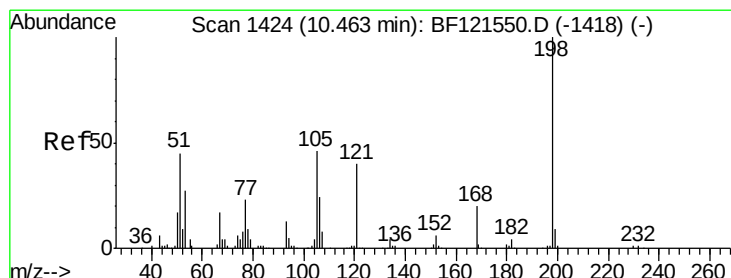
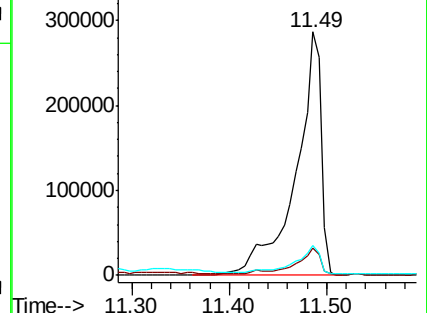
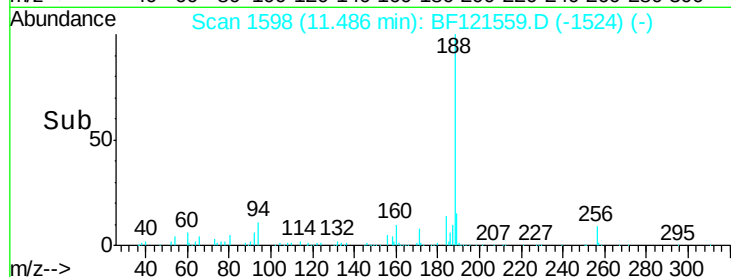
80 12.5 9.3 13.9



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: 7.083 ng

RT: 10.59 min Scan# 1445

Delta R.T. 0.12 min

Lab File: BF121559.D

Acq: 14 Sep 2020 14:29

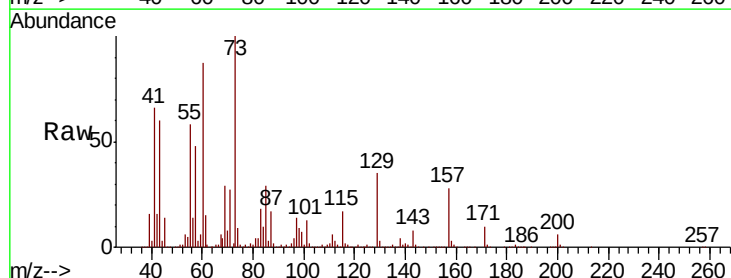
Tgt Ion:198 Resp: 849

Ion Ratio Lower Upper

198 100

51 2013.2 31.1 71.1#

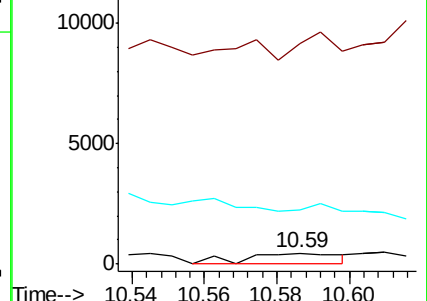
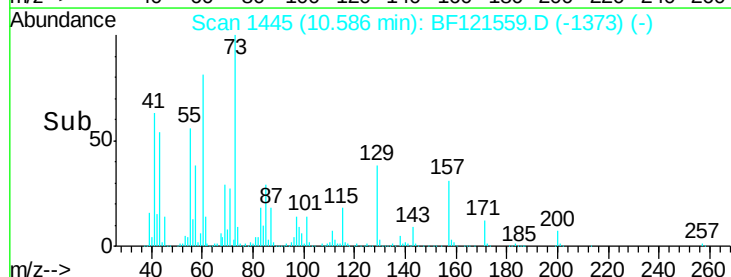
105 488.6 26.6 66.6#

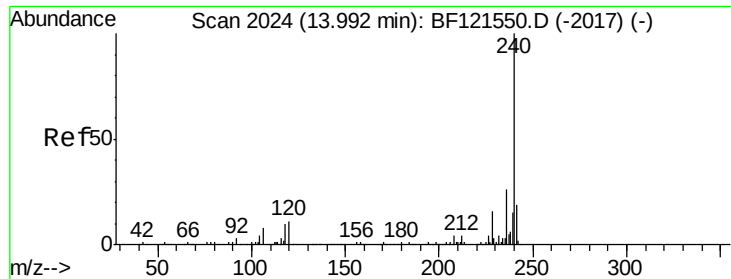


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

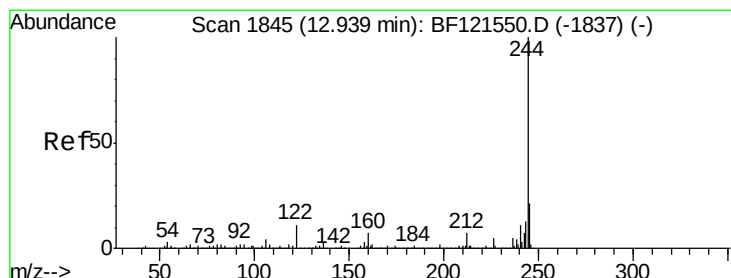
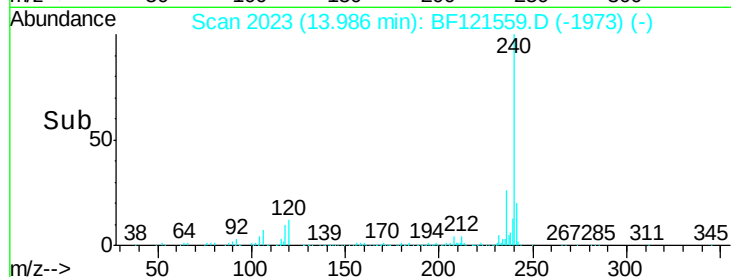
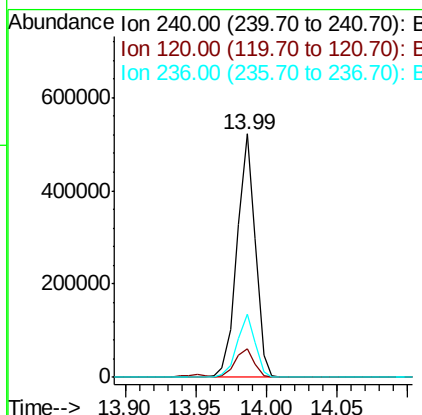
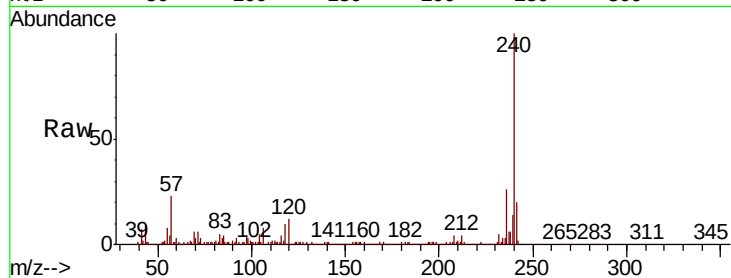




#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.99 min Scan# 2023
 Delta R.T. -0.01 min
 Lab File: BF121559.D
 Acq: 14 Sep 2020 14:29

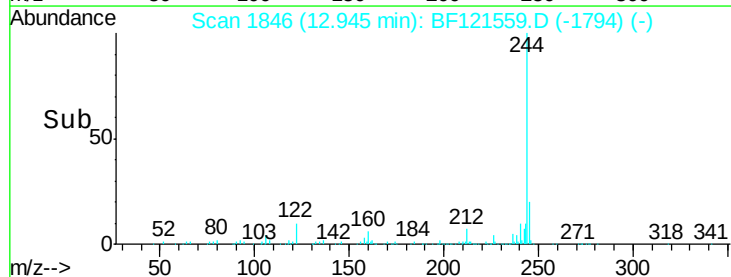
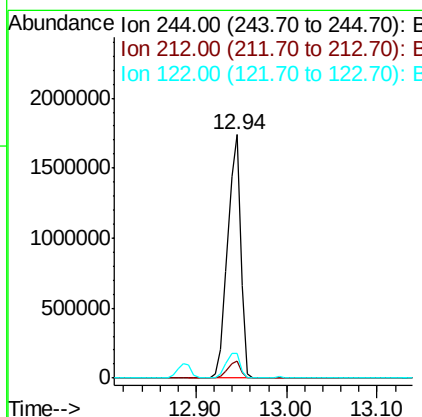
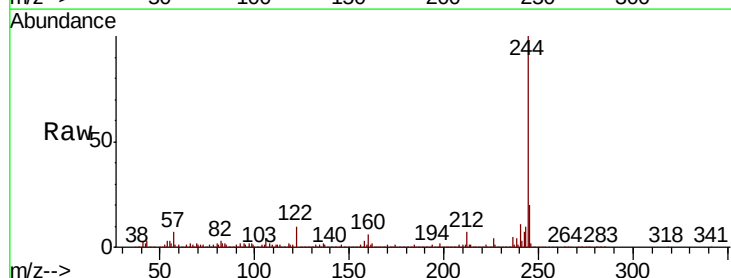
Instrument :
 BNA_F
 ClientSampleId :
 EFF-WW

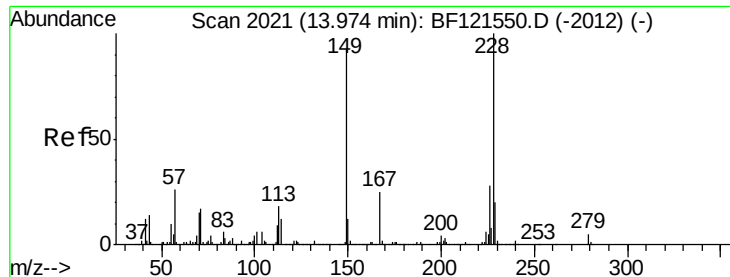
Tot Ion:240 Resp: 471091
 Ion Ratio Lower Upper
 240 100
 120 11.8 9.2 13.8
 236 26.2 20.5 30.7



#79
 Terphenyl-d14
 Concen: 73.932 ng
 RT: 12.94 min Scan# 1846
 Delta R.T. 0.01 min
 Lab File: BF121559.D
 Acq: 14 Sep 2020 14:29

Tgt Ion:244 Resp: 1719158
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.7 8.5
 122 10.2 8.7 13.1





#84

Bis(2-ethylhexyl)phthalate

Concen: 2.099 ng

RT: 13.97 min Scan# 2020

Delta R.T. -0.01 min

Lab File: BF121559.D

Acq: 14 Sep 2020 14:29

Instrument :

BNA_F

ClientSampleId :

EFF-WW

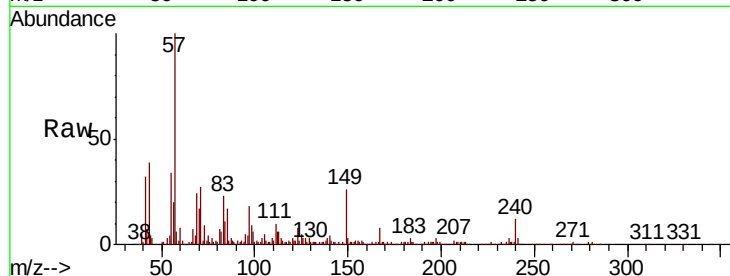
Tot Ion:149 Resp: 39029

Ion Ratio Lower Upper

149 100

167 29.5 21.6 32.4

279 3.9 4.1 6.1#

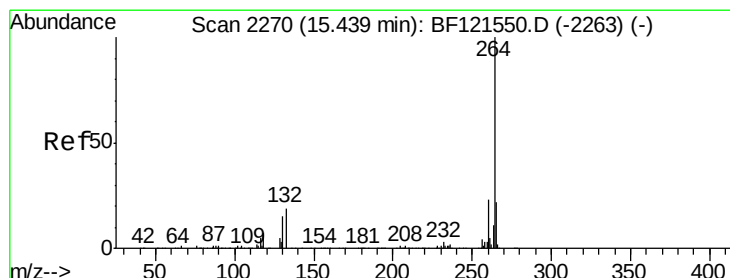
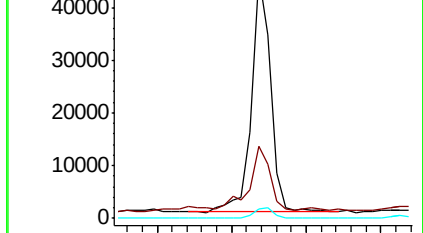
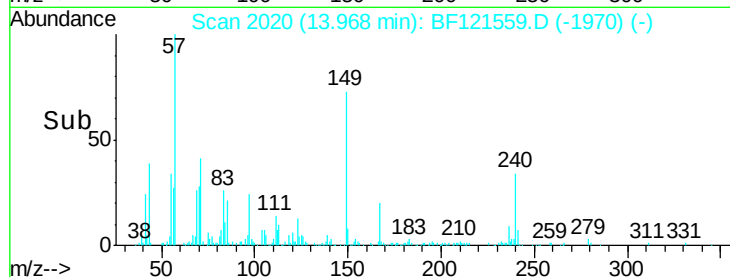


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

Time-->



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.44 min Scan# 2270

Delta R.T. -0.00 min

Lab File: BF121559.D

Acq: 14 Sep 2020 14:29

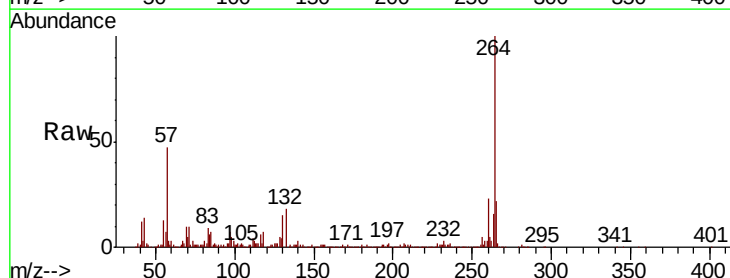
Tgt Ion:264 Resp: 454402

Ion Ratio Lower Upper

264 100

260 23.5 18.8 28.2

265 21.8 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

Time-->

