

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072820\
 Data File : BF121065.D
 Acq On : 28 Jul 2020 12:49
 Operator : JU/CG
 Sample : L3403-06
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 W-1

Quant Time: Jul 28 13:28:47 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

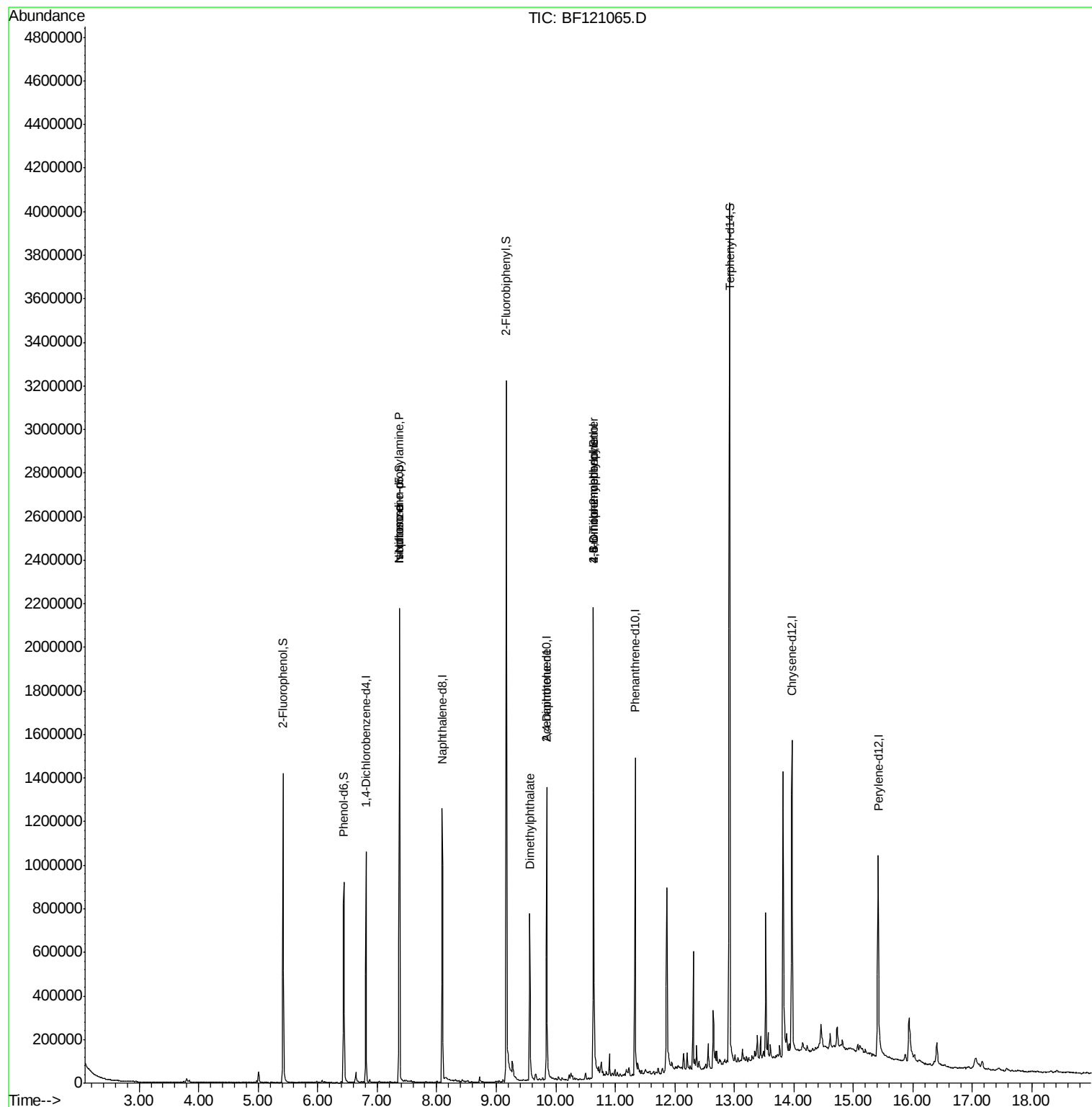
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	149525	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	540670	20.00	ng	0.00
39) Acenaphthene-d10	9.85	164	305645	20.00	ng	0.00
64) Phenanthrene-d10	11.33	188	593874	20.00	ng	0.00
76) Chrysene-d12	13.97	240	559051	20.00	ng	0.00
86) Perylene-d12	15.42	264	490145	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	435775	47.78	ng	0.00
7) Phenol-d6	6.44	99	339552	28.82	ng	0.00
23) Nitrobenzene-d5	7.37	82	674719	72.21	ng	0.00
42) 2,4,6-Tribromophenol	10.63	330	335944	100.41	ng	0.00
45) 2-Fluorobiphenyl	9.17	172	1243473	60.74	ng	0.00
79) Terphenyl-d14	12.92	244	1489154	57.90	ng	0.00
Target Compounds						
9) Benzaldehyde	6.44	77	349	Below Cal		Qvalue # 1
19) n-Nitroso-di-n-propylamine	7.37	70	88885	13.267	ng	# 77
25) Isophorone	7.37	82	674709	36.180	ng	# 63
50) Dimethylphthalate	9.56	163	312562	14.175	ng	100
57) 2,4-Dinitrotoluene	9.85	165	38202	6.141	ng	# 28
65) 4,6-Dinitro-2-methylphenol	10.64	198	665	4.021	ng	# 1
67) 4-Bromophenyl-phenylether	10.63	248	19112	2.886	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: BF121065.D

Acq: 28 Jul 2020 12:49

Instrument :

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ClientSampleId :

W-1

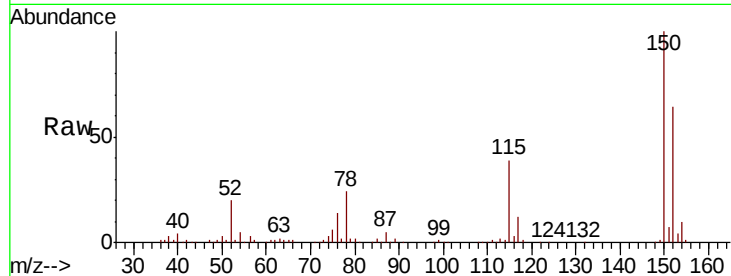
Tot Ion:152 Resp: 149525

Ion Ratio Lower Upper

152 100

150 156.7 125.0 187.6

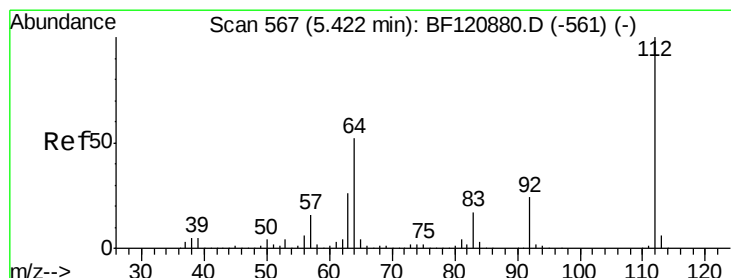
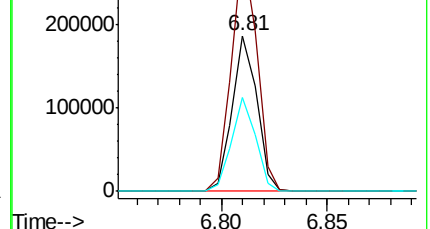
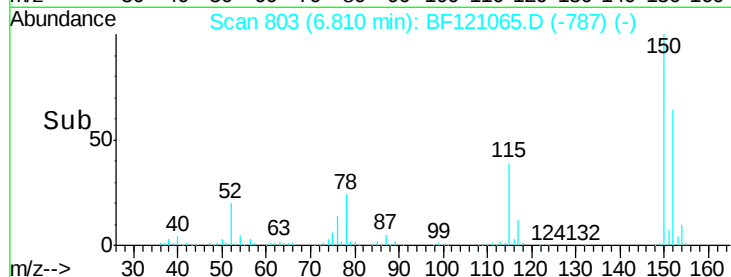
115 60.8 47.0 70.4



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: 47.777 ng

RT: 5.42 min Scan# 567

Delta R.T. 0.00 min

Lab File: BF121065.D

Acq: 28 Jul 2020 12:49

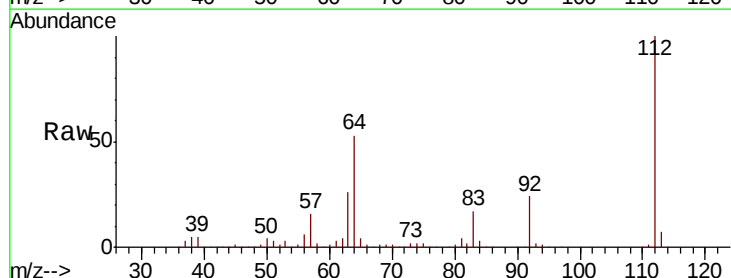
Tgt Ion:112 Resp: 435775

Ion Ratio Lower Upper

112 100

64 53.0 41.3 61.9

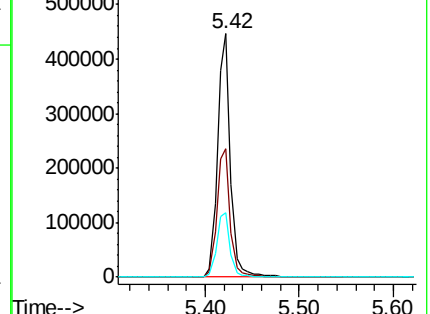
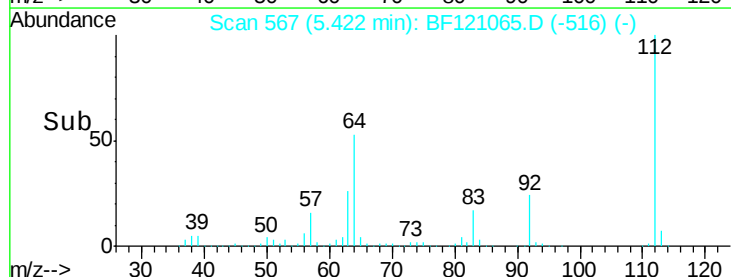
63 26.4 21.1 31.7



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: 28.820 ng

RT: 6.44 min Scan# 740

Delta R.T. -0.01 min

Lab File: BF121065.D

Acq: 28 Jul 2020 12:49

Instrument :

BNA_F

ClientSampleId :

W-1

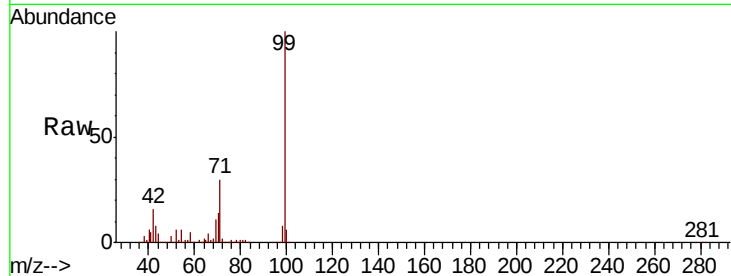
Tot Ion: 99 Resp: 339552

Ion Ratio Lower Upper

99 100

42 16.0 13.1 19.7

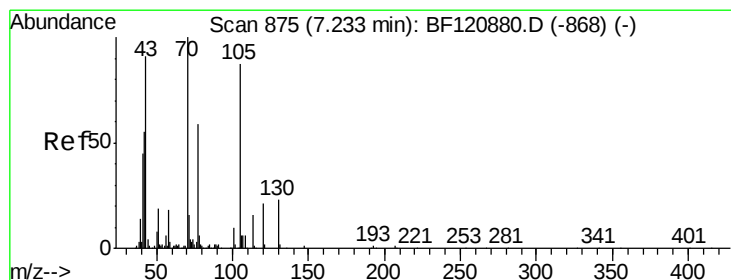
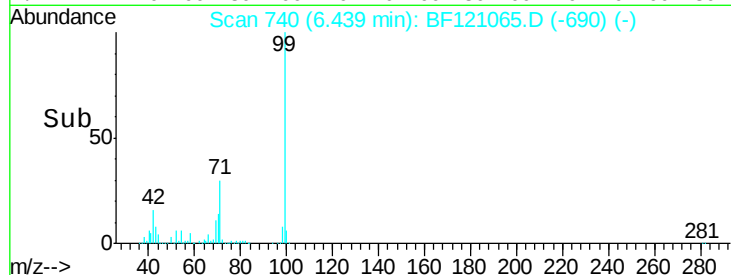
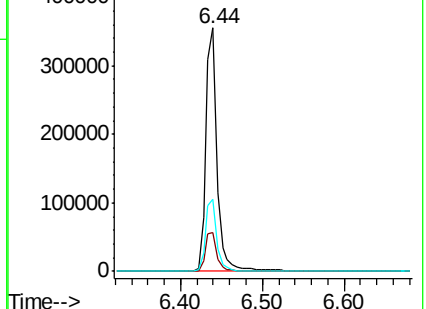
71 29.8 24.2 36.4



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: 13.267 ng

RT: 7.37 min Scan# 899

Delta R.T. 0.14 min

Lab File: BF121065.D

Acq: 28 Jul 2020 12:49

Tgt Ion: 70 Resp: 88885

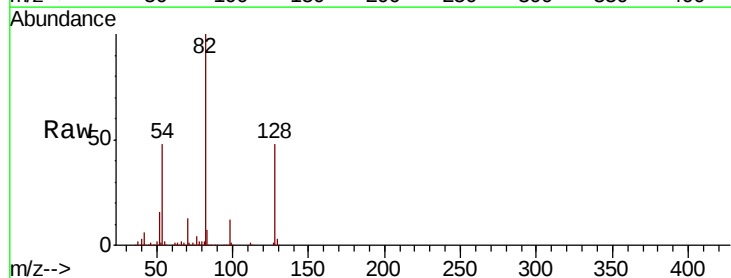
Ion Ratio Lower Upper

70 100

42 44.9 44.0 66.0

101 0.0 7.8 11.6#

130 2.2 18.7 28.1#

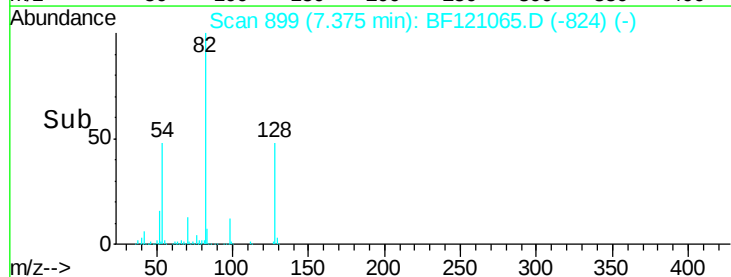
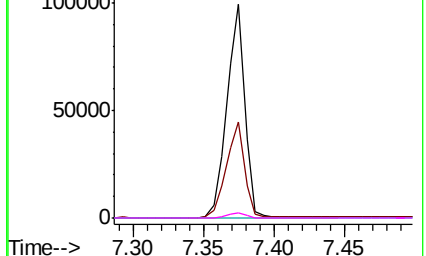


Abundance Ion 70.00 (69.70 to 70.70): BF1

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: 8.09 min Scan# 1021

Delta R.T. -0.01 min

Lab File: BF121065.D

Acq: 28 Jul 2020 12:49

Instrument :

BNA_F

ClientSampleId :

W-1

Tot Ion:136 Resp: 540670

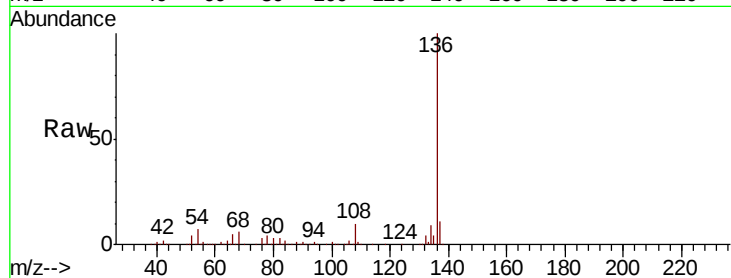
Ion Ratio Lower Upper

136 100

137 11.4 9.3 13.9

54 7.5 6.3 9.5

68 6.2 5.0 7.4

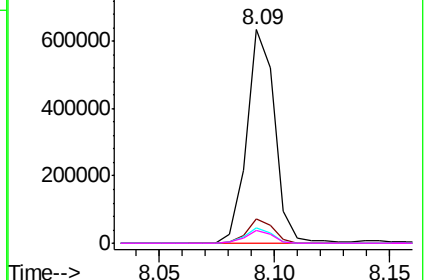
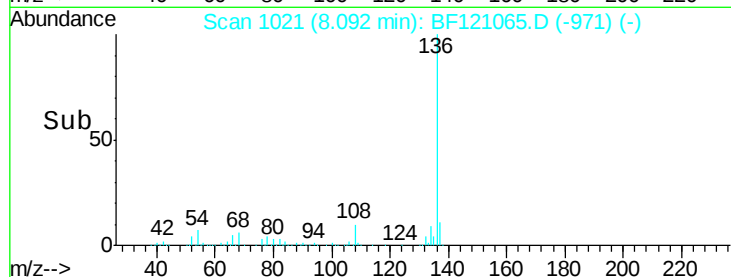


Abundance Ion 136.00 (135.70 to 136.70): E

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: 72.209 ng

RT: 7.37 min Scan# 899

Delta R.T. -0.01 min

Lab File: BF121065.D

Acq: 28 Jul 2020 12:49

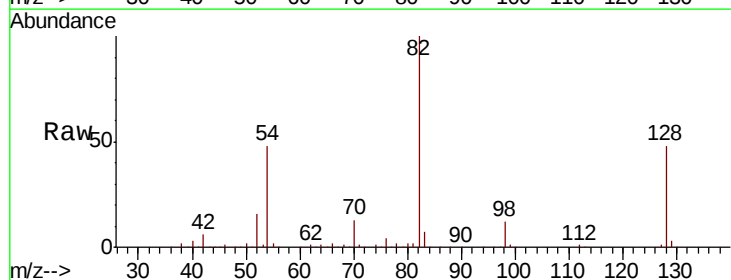
Tgt Ion: 82 Resp: 674719

Ion Ratio Lower Upper

82 100

128 47.7 38.2 57.4

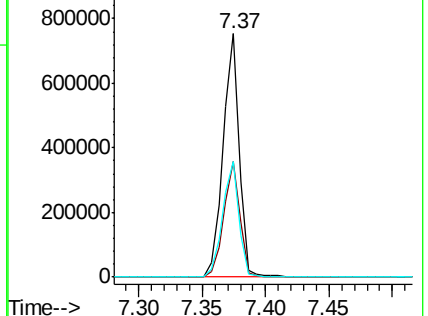
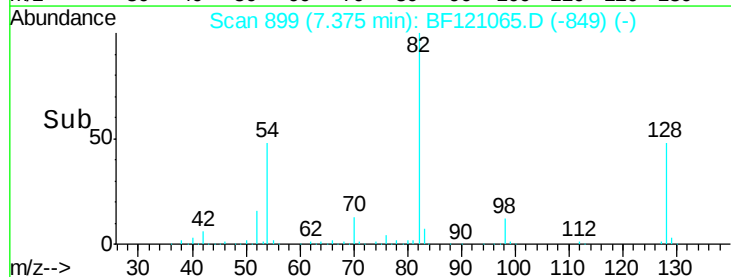
54 47.7 38.7 58.1

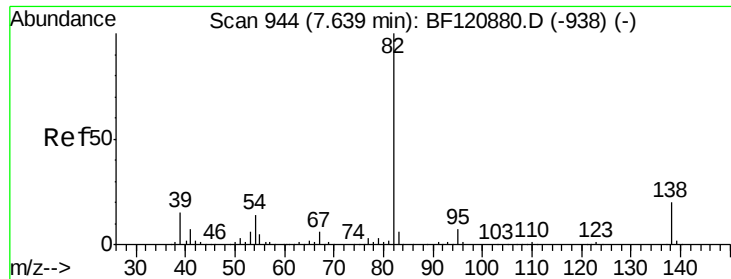


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 36.180 ng

RT: 7.37 min Scan# 899

Delta R.T. -0.26 min

Lab File: BF121065.D

Acq: 28 Jul 2020 12:49

Instrument :

BNA_F

ClientSampleId :

W-1

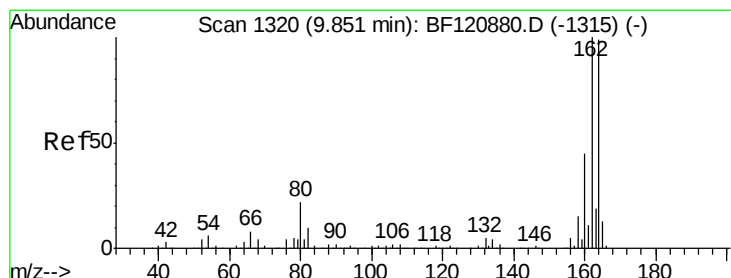
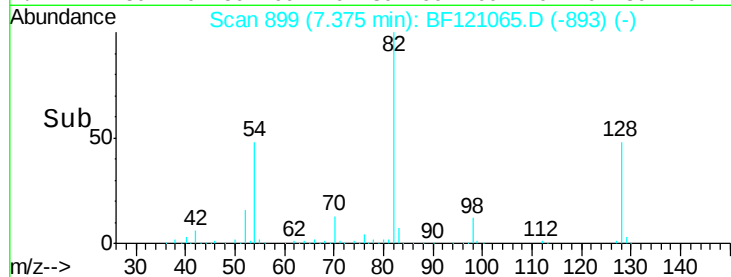
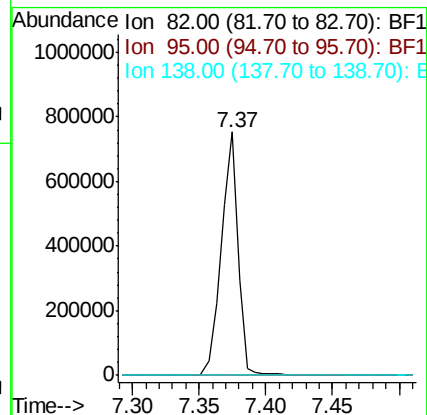
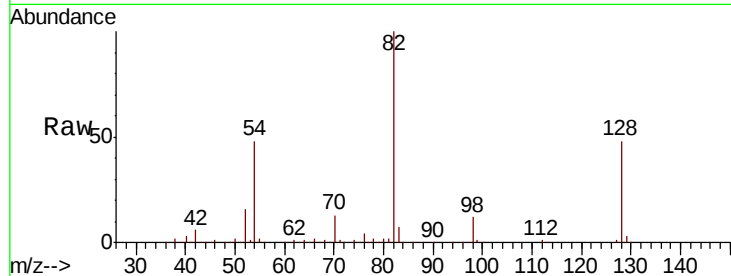
Tot Ion: 82 Resp: 674709

Ion Ratio Lower Upper

82 100

95 0.0 5.5 8.3#

138 0.0 15.6 23.4#



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.85 min Scan# 1319

Delta R.T. -0.01 min

Lab File: BF121065.D

Acq: 28 Jul 2020 12:49

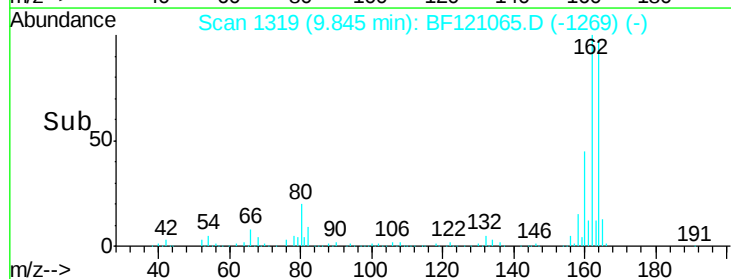
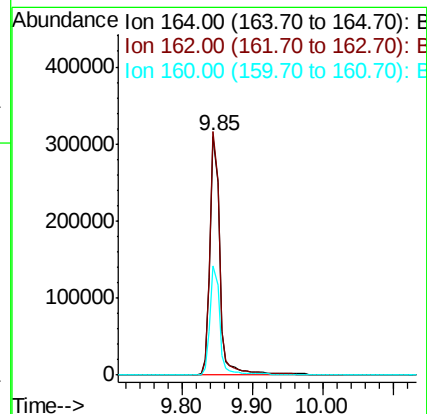
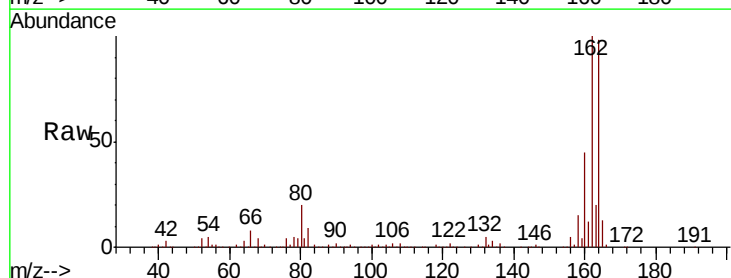
Tgt Ion:164 Resp: 305645

Ion Ratio Lower Upper

164 100

162 101.9 81.2 121.8

160 45.6 36.9 55.3





#42

2,4,6-Tribromophenol

Concen: 100.414 ng

RT: 10.63 min Scan# 1453

Delta R.T. -0.01 min

Lab File: BF121065.D

Acq: 28 Jul 2020 12:49

Instrument :

BNA_F

ClientSampleId :

W-1

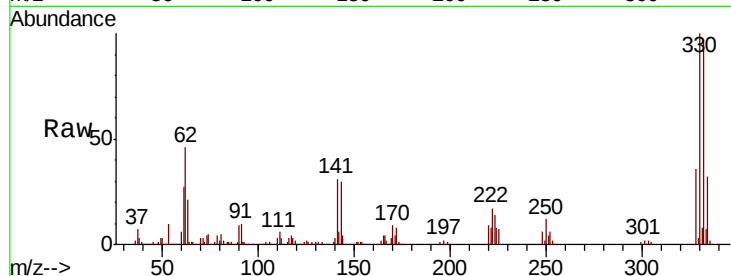
Tot Ion:330 Resp: 335944

Ion Ratio Lower Upper

330 100

332 95.4 75.5 113.3

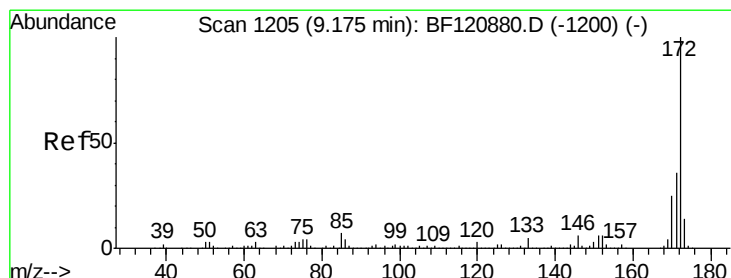
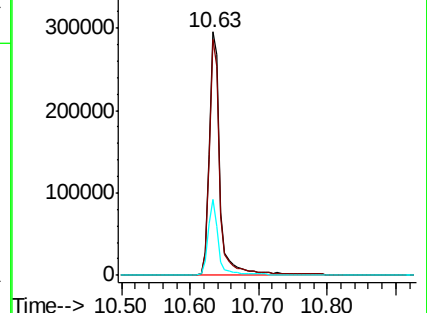
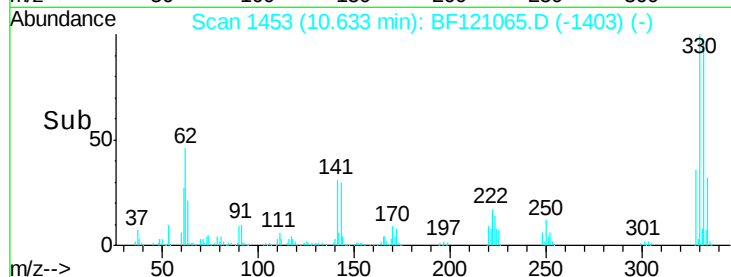
141 29.8 25.7 38.5



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: 60.742 ng

RT: 9.17 min Scan# 1204

Delta R.T. -0.01 min

Lab File: BF121065.D

Acq: 28 Jul 2020 12:49

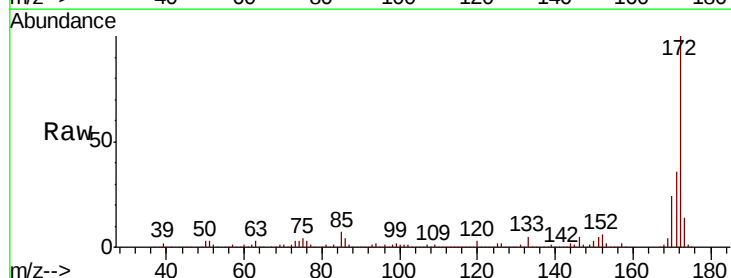
Tgt Ion:172 Resp: 1243473

Ion Ratio Lower Upper

172 100

171 35.6 29.0 43.4

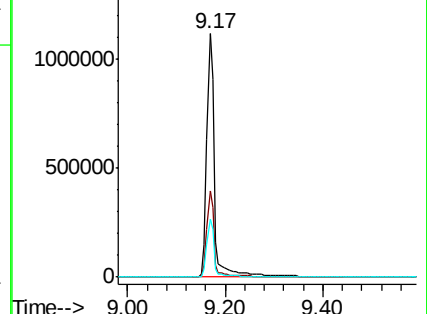
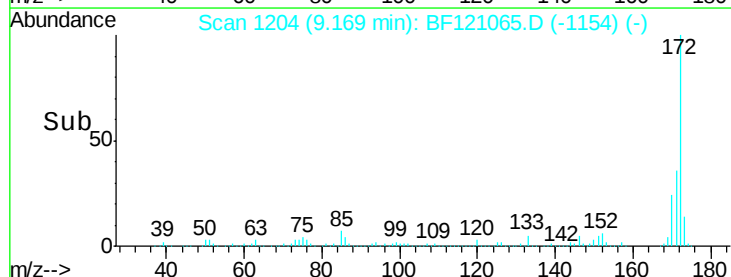
170 24.1 19.6 29.4



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

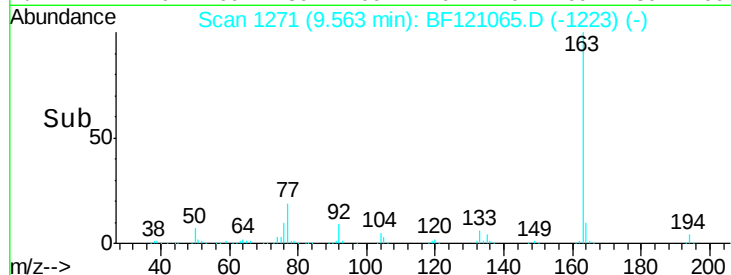
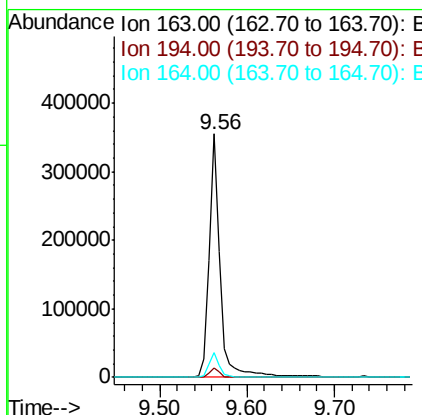
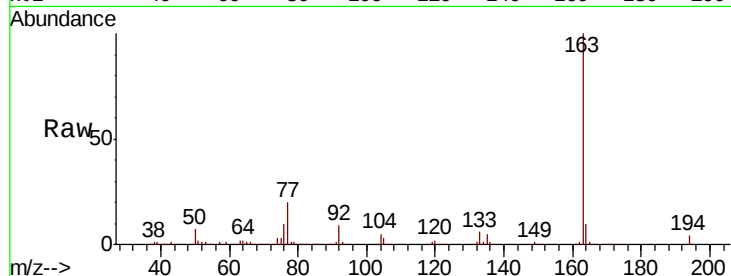




#50
Dimethylphthalate
Concen: 14.175 ng
RT: 9.56 min Scan# 1271
Delta R.T. -0.02 min
Lab File: BF121065.D
Acq: 28 Jul 2020 12:49

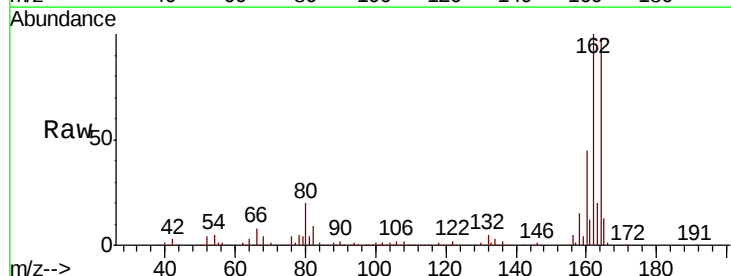
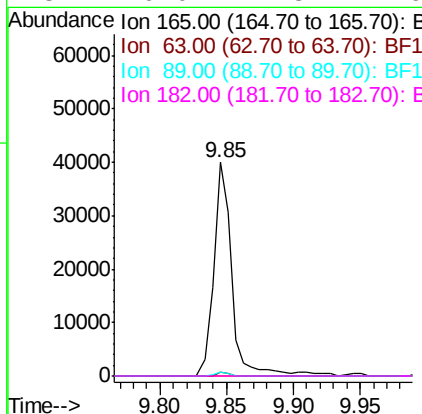
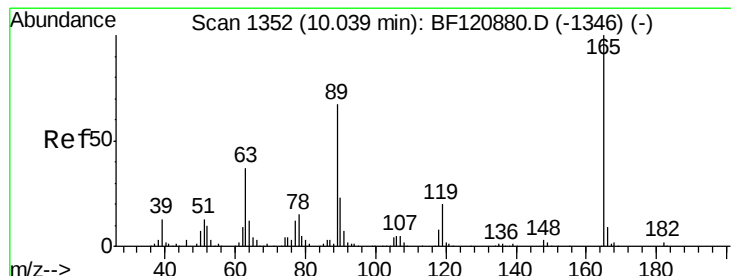
Instrument :
BNA_F
ClientSampleId :
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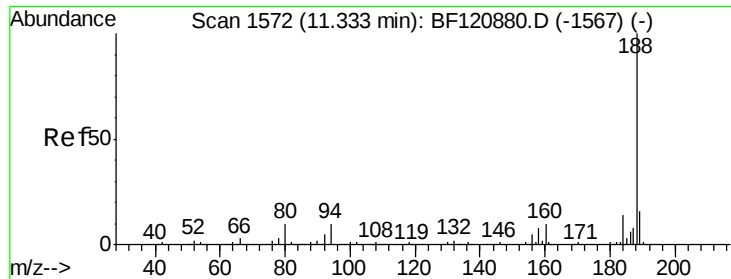
Tot Ion	Ratio	Lower	Upper
163	100		
194	3.9	3.2	4.8
164	10.0	7.9	11.9



#57
2,4-Dinitrotoluene
Concen: 6.141 ng
RT: 9.85 min Scan# 1319
Delta R.T. -0.19 min
Lab File: BF121065.D
Acq: 28 Jul 2020 12:49

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.5	29.4	44.2#
89	1.6	53.4	80.0#
182	0.0	1.8	2.6#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.33 min Scan# 1572

Delta R.T. 0.00 min

Lab File: BF121065.D

Acq: 28 Jul 2020 12:49

Instrument :

BNA_F

ClientSampleId :

W-1

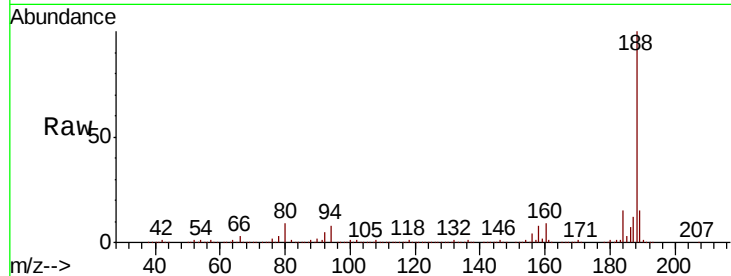
Tot Ion:188 Resp: 593874

Ion Ratio Lower Upper

188 100

94 8.4 8.0 12.0

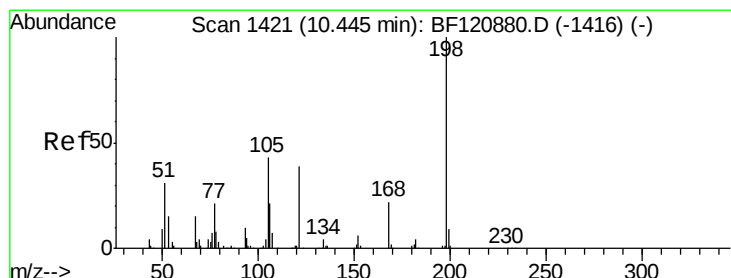
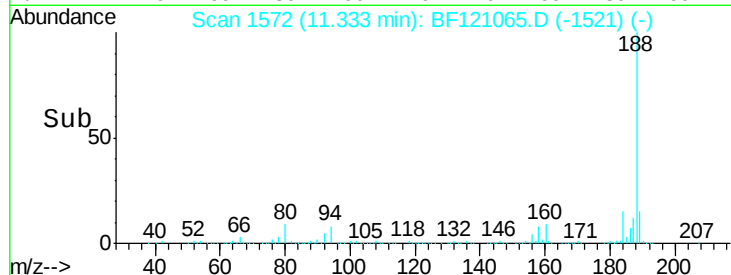
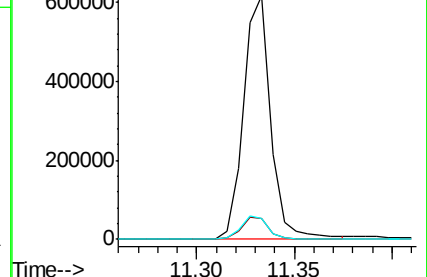
80 8.7 8.3 12.5



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: 4.021 ng

RT: 10.64 min Scan# 1454

Delta R.T. 0.19 min

Lab File: BF121065.D

Acq: 28 Jul 2020 12:49

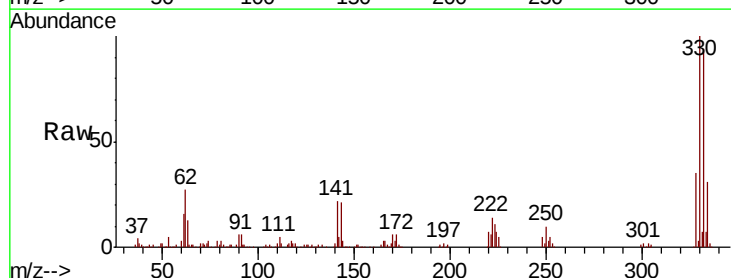
Tgt Ion:198 Resp: 665

Ion Ratio Lower Upper

198 100

51 122.4 19.5 59.5#

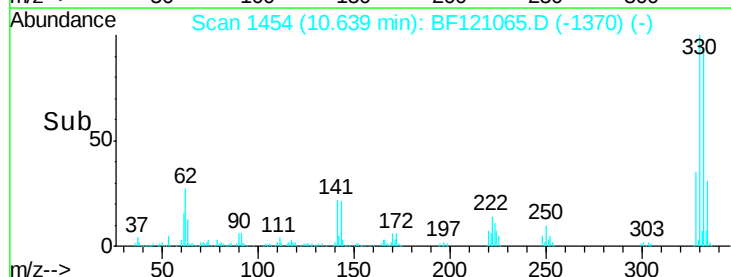
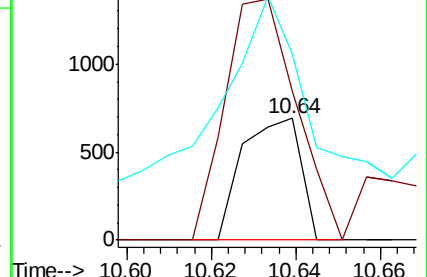
105 153.1 24.4 64.4#

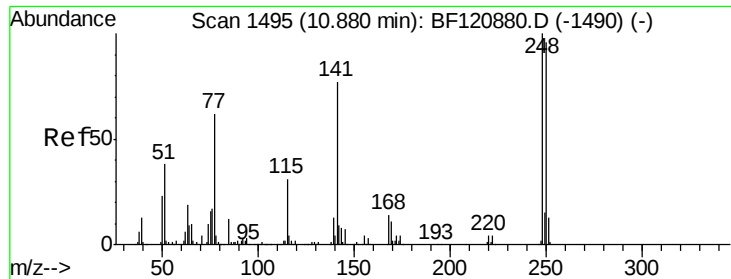


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

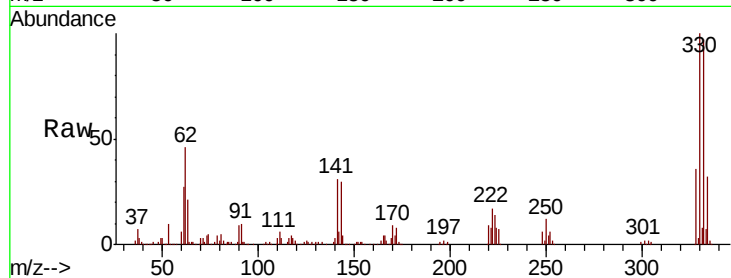




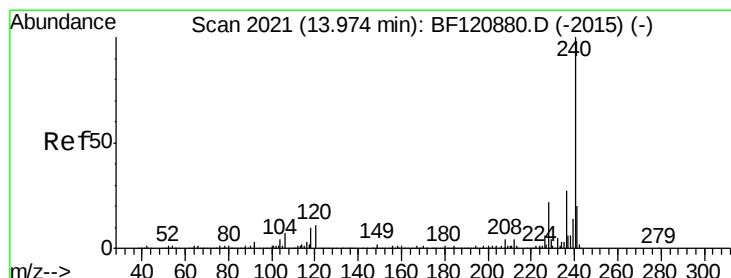
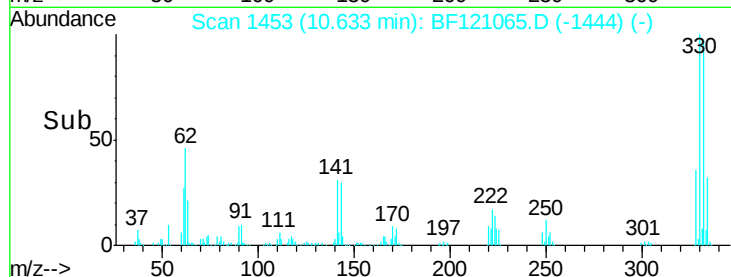
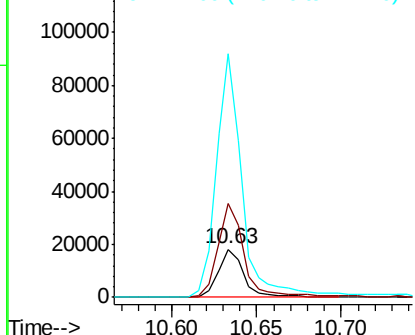
#67
4-Bromophenyl-phenylether
Concen: 2.886 ng
RT: 10.63 min Scan# 1453
Delta R.T. -0.25 min
Lab File: BF121065.D
Acq: 28 Jul 2020 12:49

Instrument :
BNA_F
ClientSampleId :
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Tot Ion:248 Resp: 19112
Ion Ratio Lower Upper
248 100
250 197.1 77.1 115.7#
141 509.5 61.2 91.8#

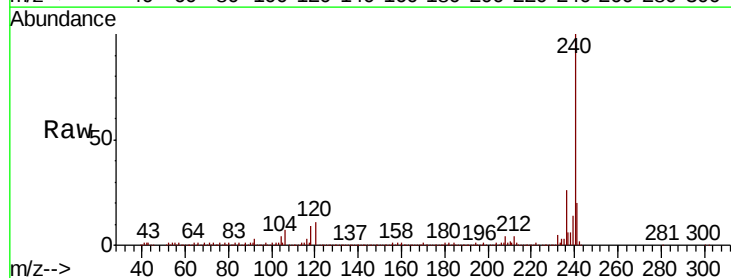


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

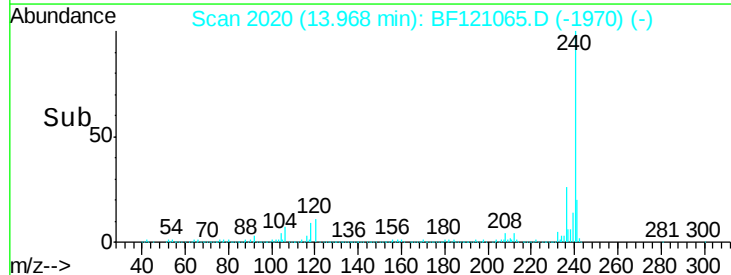
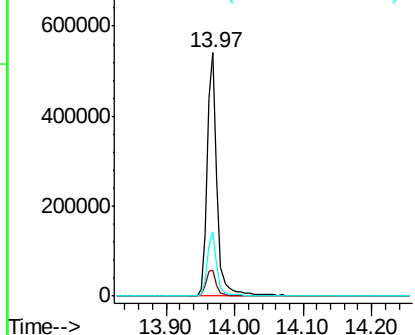


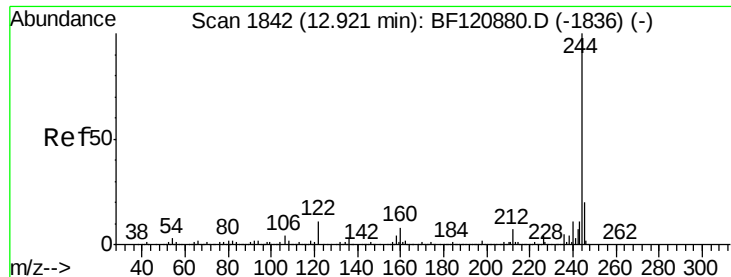
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.97 min Scan# 2020
Delta R.T. -0.01 min
Lab File: BF121065.D
Acq: 28 Jul 2020 12:49

Tgt Ion:240 Resp: 559051
Ion Ratio Lower Upper
240 100
120 10.8 9.0 13.4
236 26.3 21.7 32.5



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: 57.903 ng

RT: 12.92 min Scan# 1842

Delta R.T. 0.00 min

Lab File: BF121065.D

Acq: 28 Jul 2020 12:49

Instrument :

BNA_F

ClientSampleId :

W-1

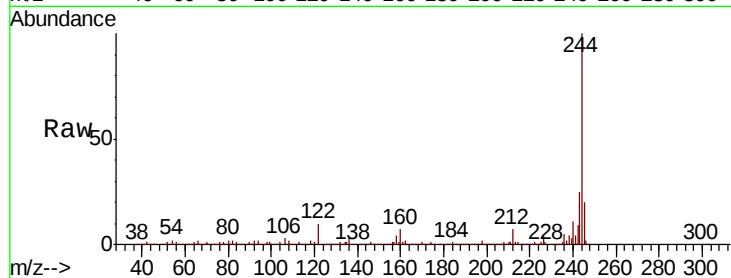
Tot Ion:244 Resp: 1489154

Ion Ratio Lower Upper

244 100

212 7.1 5.6 8.4

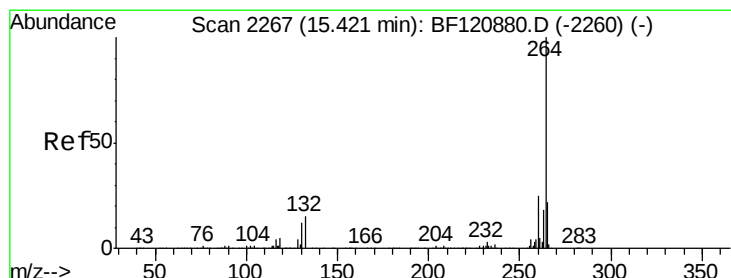
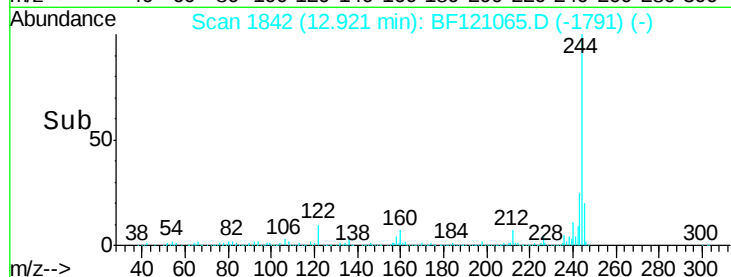
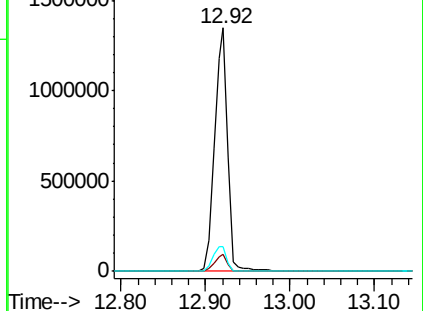
122 10.2 8.9 13.3



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

Perylene-d12

Concen: 20.000 ng

RT: 15.42 min Scan# 2266

Delta R.T. -0.01 min

Lab File: BF121065.D

Acq: 28 Jul 2020 12:49

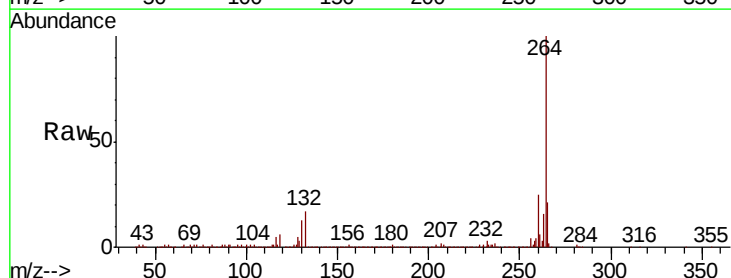
Tgt Ion:264 Resp: 490145

Ion Ratio Lower Upper

264 100

260 24.5 20.0 30.0

265 20.9 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

