

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072820\
 Data File : BF121075.D
 Acq On : 28 Jul 2020 18:15
 Operator : JU/CG
 Sample : L3181-13
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CL-01-072720

Quant Time: Jul 28 19:08:47 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

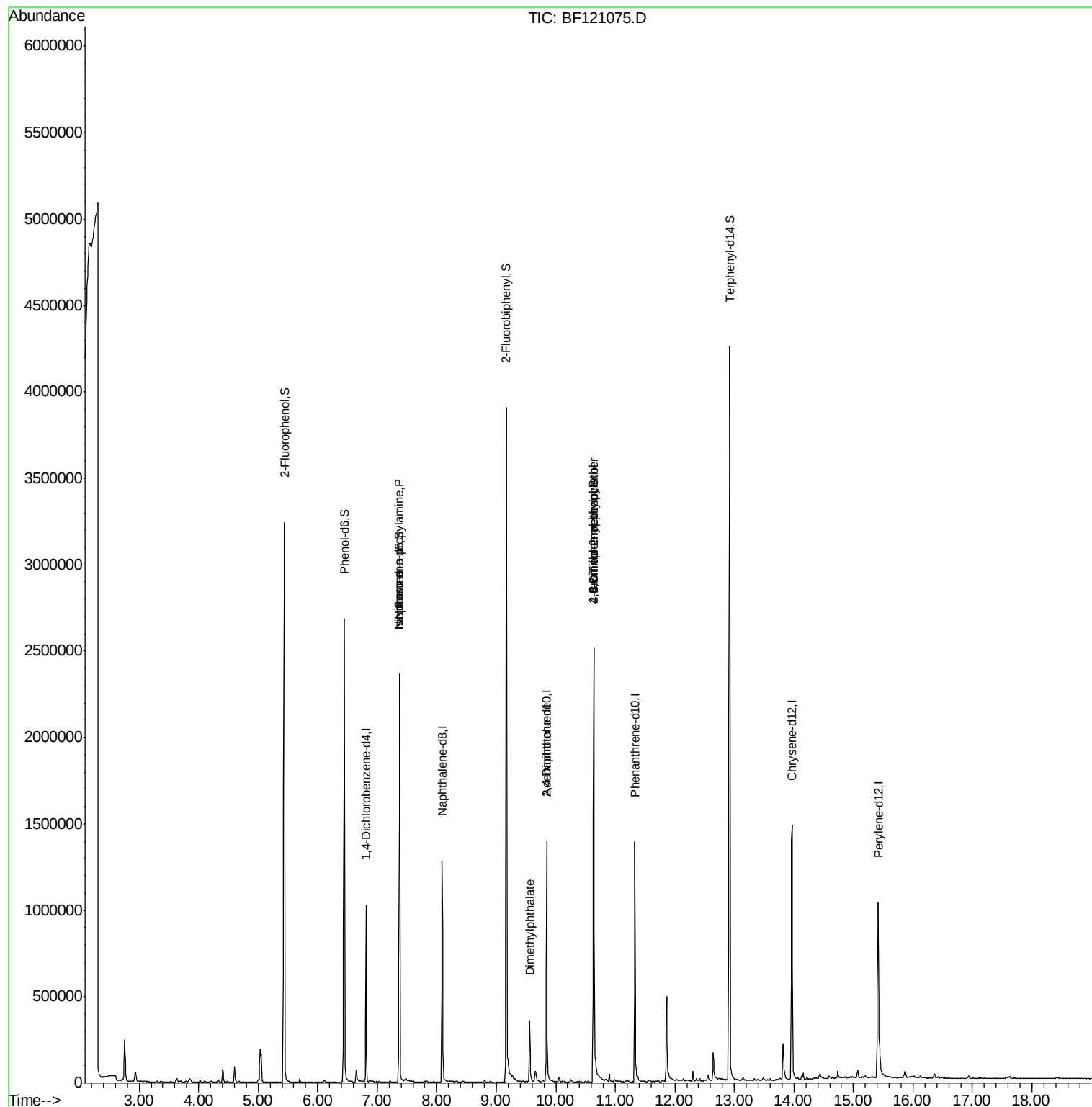
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	148008	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	542374	20.00	ng	0.00
39) Acenaphthene-d10	9.85	164	299918	20.00	ng	0.00
64) Phenanthrene-d10	11.33	188	618463	20.00	ng	0.00
76) Chrysene-d12	13.97	240	603428	20.00	ng	0.00
86) Perylene-d12	15.42	264	600764	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.44	112	1065374	118.00	ng	0.02
7) Phenol-d6	6.45	99	1196036	102.55	ng	0.00
23) Nitrobenzene-d5	7.37	82	868087	92.61	ng	0.00
42) 2,4,6-Tribromophenol	10.64	330	455798	138.84	ng	0.00
45) 2-Fluorobiphenyl	9.17	172	1611815	80.24	ng	0.00
79) Terphenyl-d14	12.92	244	1833841	66.06	ng	0.00
Target Compounds						
9) Benzaldehyde	6.45	77	1823	Below Cal	Qvalue	# 1
19) n-Nitroso-di-n-propylamine	7.37	70	116155	17.515 ng	#	78
25) Isophorone	7.37	82	868080	46.403 ng	#	63
50) Dimethylphthalate	9.56	163	152152	7.032 ng		100
57) 2,4-Dinitrotoluene	9.85	165	37958	6.218 ng	#	27
65) 4,6-Dinitro-2-methylphenol	10.63	198	751	4.036 ng	#	1
67) 4-Bromophenyl-phenylether	10.64	248	25853	3.749 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: BF121075.D

Acq: 28 Jul 2020 18:15

Instrument :

BNA_F

ClientSampleId :

CL-01-072720

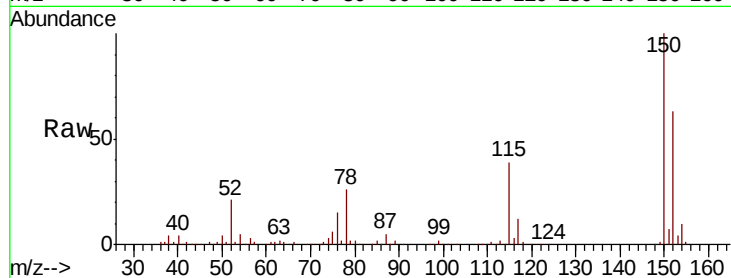
Tot Ion:152 Resp: 148008

Ion Ratio Lower Upper

152 100

150 159.2 125.0 187.6

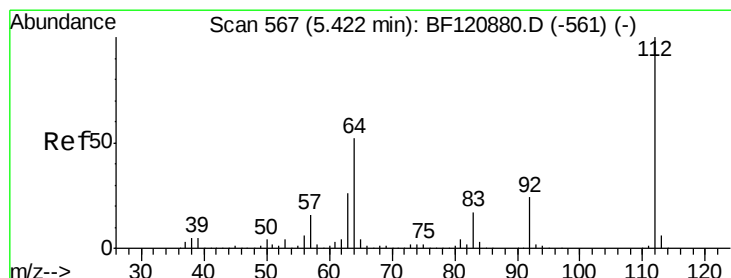
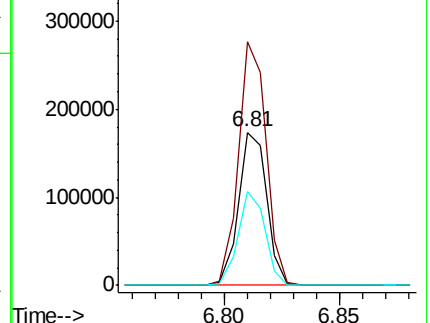
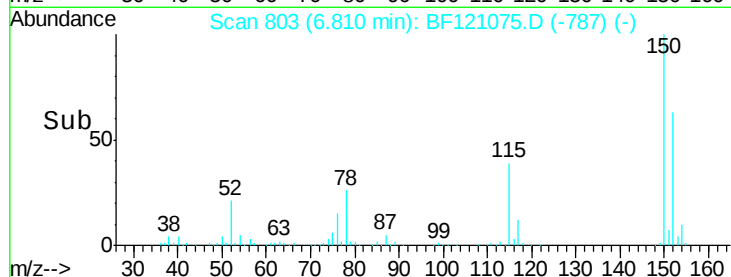
115 61.4 47.0 70.4



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: 118.002 ng

RT: 5.44 min Scan# 570

Delta R.T. 0.02 min

Lab File: BF121075.D

Acq: 28 Jul 2020 18:15

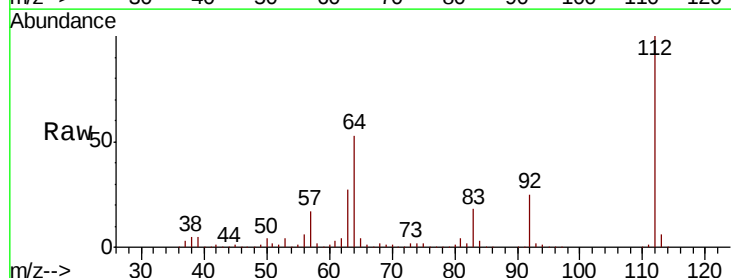
Tgt Ion:112 Resp: 1065374

Ion Ratio Lower Upper

112 100

64 53.1 41.3 61.9

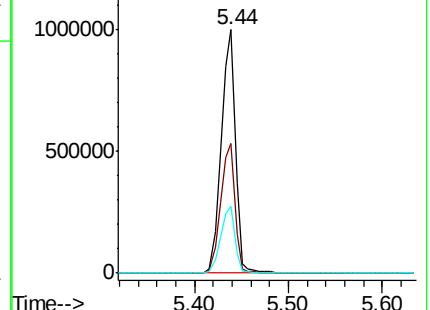
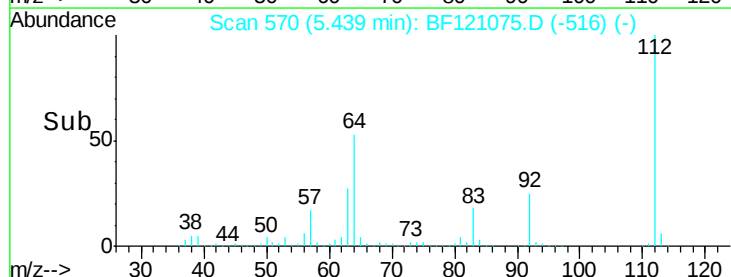
63 27.4 21.1 31.7



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: 102.555 ng

RT: 6.45 min Scan# 741

Delta R.T. 0.00 min

Lab File: BF121075.D

Acq: 28 Jul 2020 18:15

Instrument :

BNA_F

ClientSampleId :

CL-01-072720

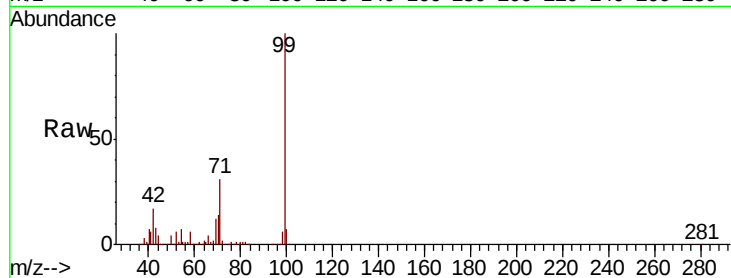
Tot Ion: 99 Resp: 1196036

Ion Ratio Lower Upper

99 100

42 17.1 13.1 19.7

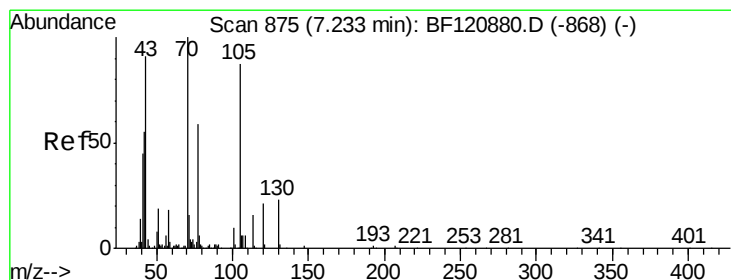
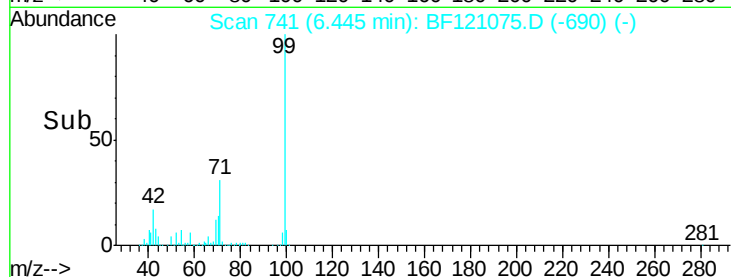
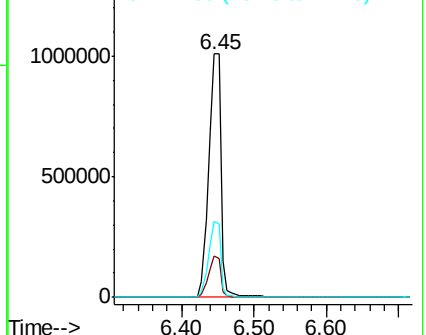
71 31.3 24.2 36.4



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: 17.515 ng

RT: 7.37 min Scan# 899

Delta R.T. 0.14 min

Lab File: BF121075.D

Acq: 28 Jul 2020 18:15

Tgt Ion: 70 Resp: 116155

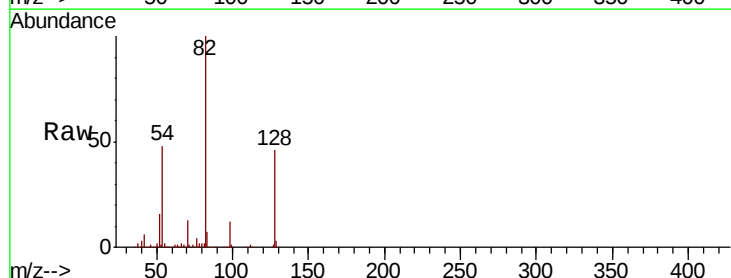
Ion Ratio Lower Upper

70 100

42 45.8 44.0 66.0

101 0.0 7.8 11.6#

130 2.2 18.7 28.1#

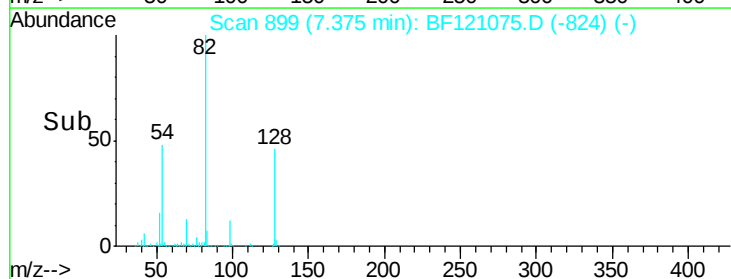
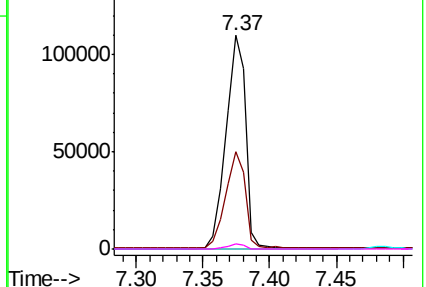


Abundance Ion 70.00 (69.70 to 70.70): BF1

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: BF121075.D

Acq: 28 Jul 2020 18:15

Instrument :

BNA_F

ClientSampleId :

CL-01-072720

Tot Ion:136 Resp: 542374

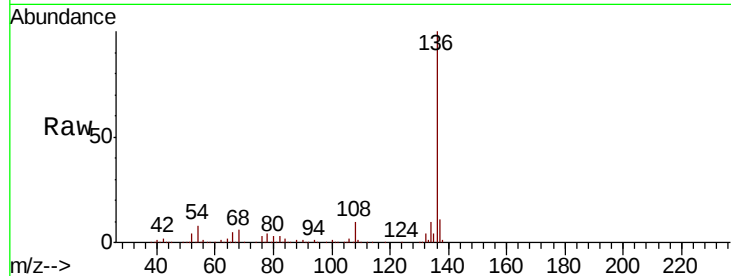
Ion Ratio Lower Upper

136 100

137 11.3 9.3 13.9

54 7.6 6.3 9.5

68 6.2 5.0 7.4

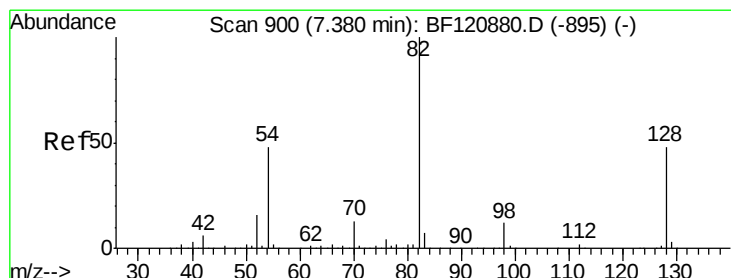
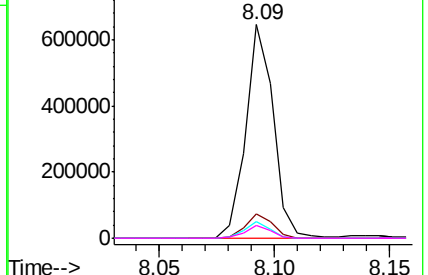
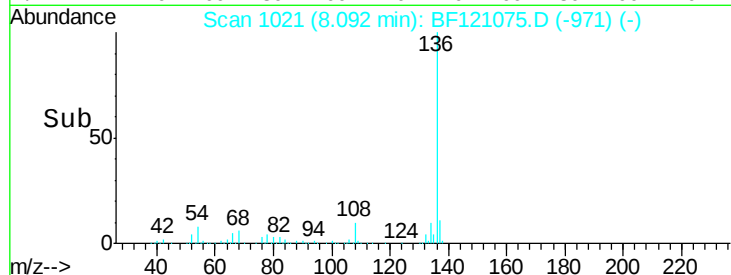


Abundance Ion 136.00 (135.70 to 136.70): E

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: 92.612 ng

RT: 7.37 min Scan# 899

Delta R.T. -0.01 min

Lab File: BF121075.D

Acq: 28 Jul 2020 18:15

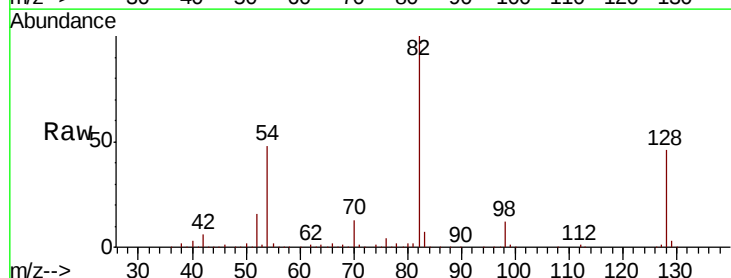
Tgt Ion: 82 Resp: 868087

Ion Ratio Lower Upper

82 100

128 46.4 38.2 57.4

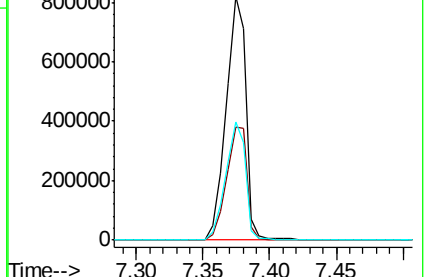
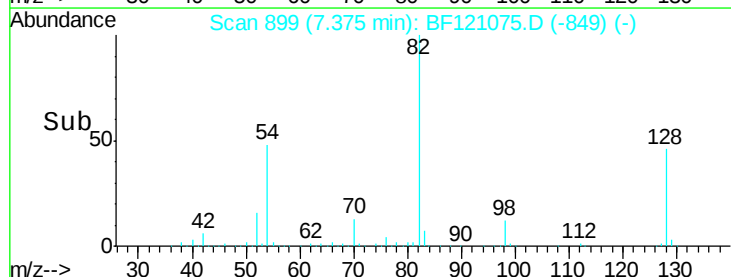
54 48.4 38.7 58.1



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: 46.403 ng

RT: 7.37 min Scan# 899

Delta R.T. -0.26 min

Lab File: BF121075.D

Acq: 28 Jul 2020 18:15

Instrument :

BNA_F

ClientSampleId :

CL-01-072720

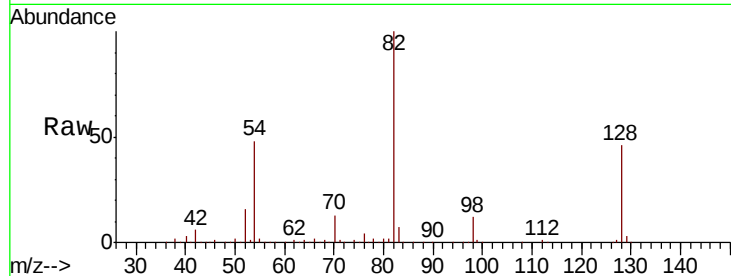
Tot Ion: 82 Resp: 868080

Ion Ratio Lower Upper

82 100

95 0.0 5.5 8.3#

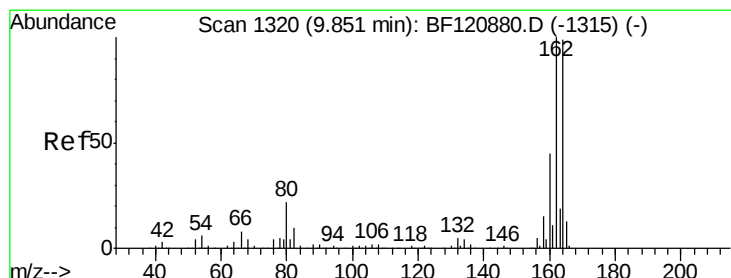
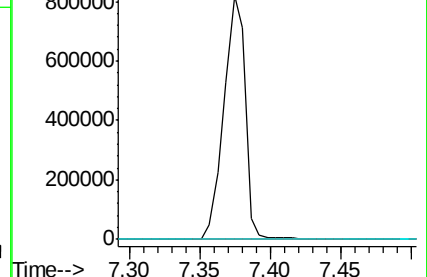
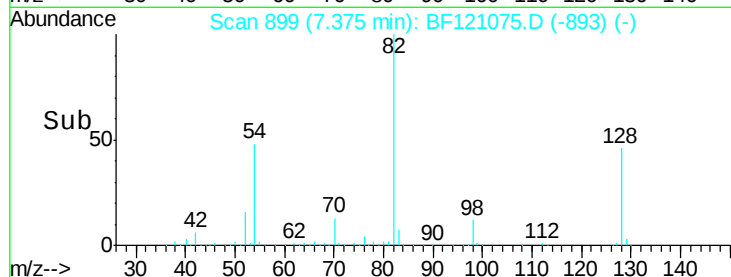
138 0.0 15.6 23.4#



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: BF121075.D

Acq: 28 Jul 2020 18:15

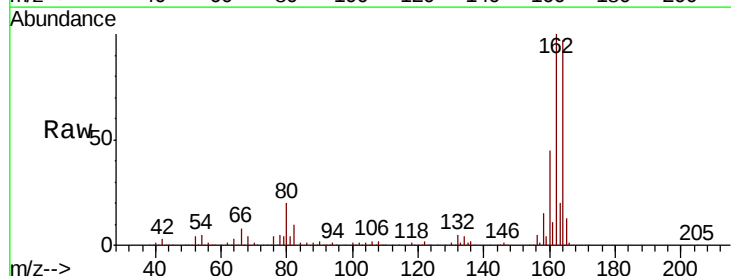
Tgt Ion: 164 Resp: 299918

Ion Ratio Lower Upper

164 100

162 103.6 81.2 121.8

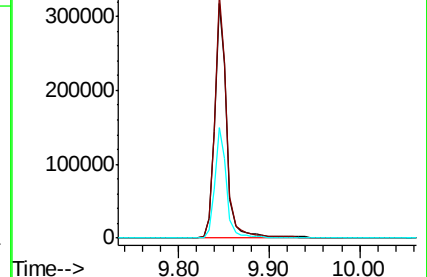
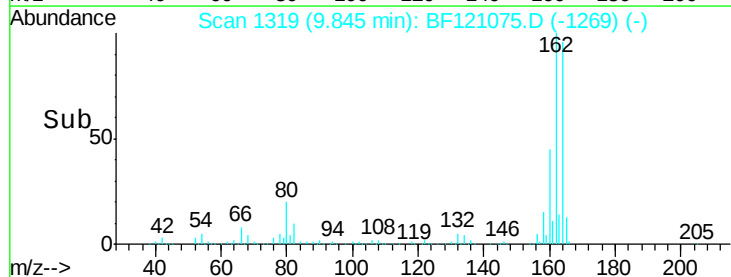
160 47.0 36.9 55.3

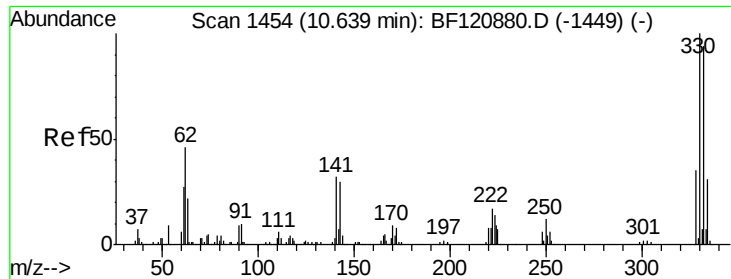


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

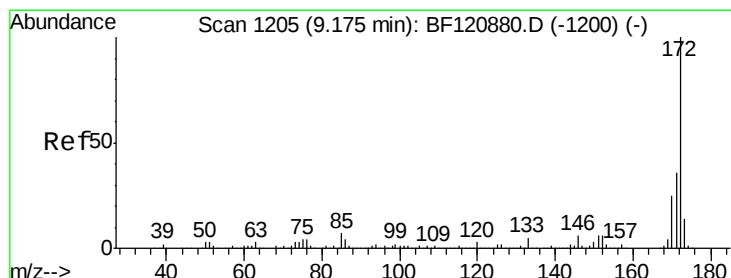
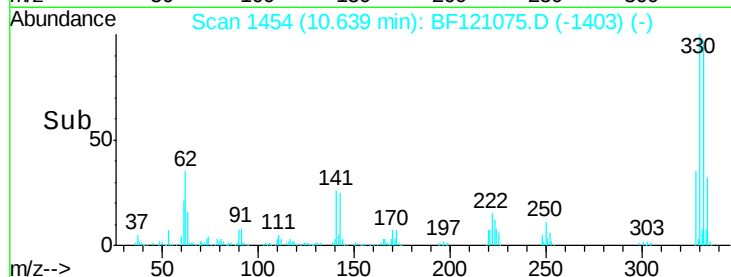
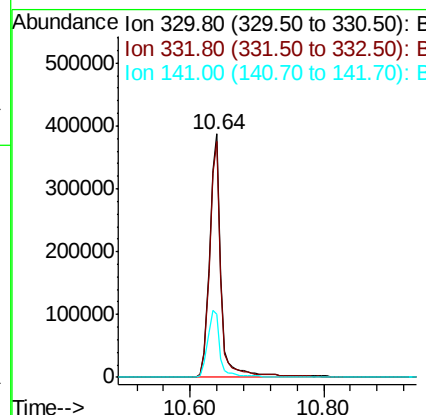
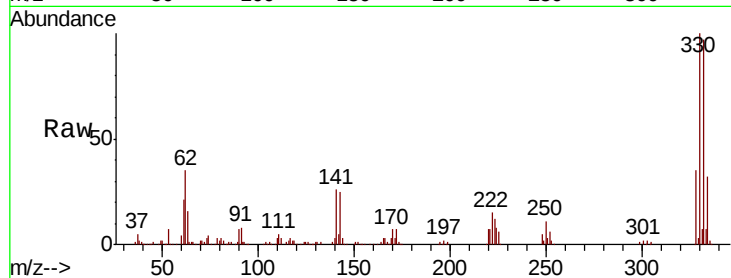




#42
 2,4,6-Tribromophenol
 Concen: 138.840 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. 0.00 min
 Lab File: BF121075.D
 Acq: 28 Jul 2020 18:15

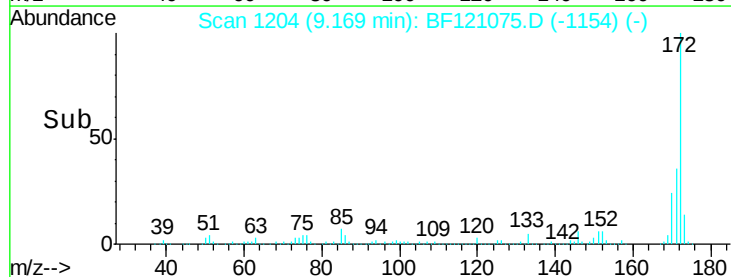
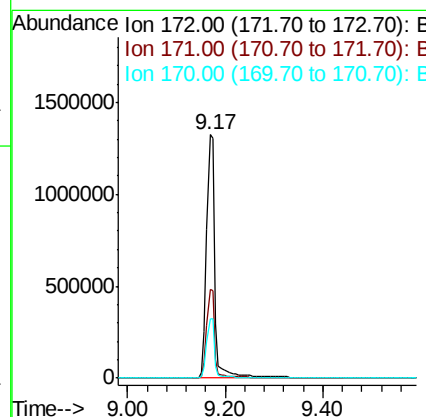
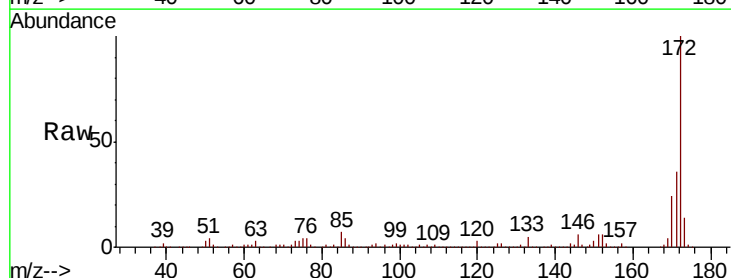
Instrument :
 BNA_F
 ClientSampleId :
 CL-01-072720

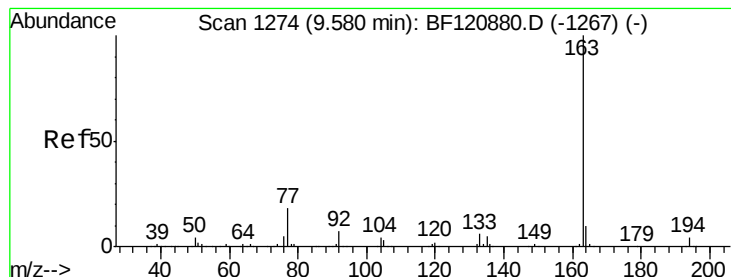
Tot Ion	Ratio	Lower	Upper
330	100		
332	97.8	75.5	113.3
141	30.3	25.7	38.5



#45
 2-Fluorobiphenyl
 Concen: 80.239 ng
 RT: 9.17 min Scan# 1204
 Delta R.T. -0.01 min
 Lab File: BF121075.D
 Acq: 28 Jul 2020 18:15

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.4	29.0	43.4
170	24.4	19.6	29.4





#50

Dimethylphthalate

Concen: 7.032 ng

RT: 9.56 min Scan# 1271

Delta R.T. -0.02 min

Lab File: BF121075.D

Acq: 28 Jul 2020 18:15

Instrument :

BNA_F

ClientSampleId :

CL-01-072720

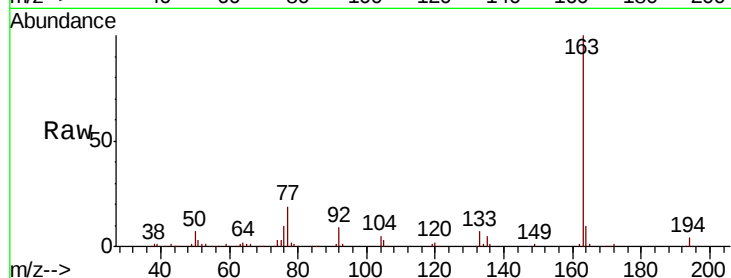
Tot Ion:163 Resp: 152152

Ion Ratio Lower Upper

163 100

194 3.8 3.2 4.8

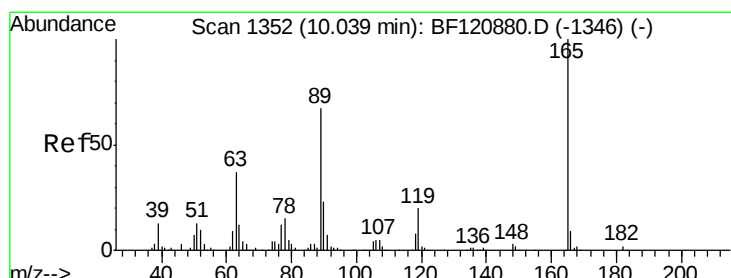
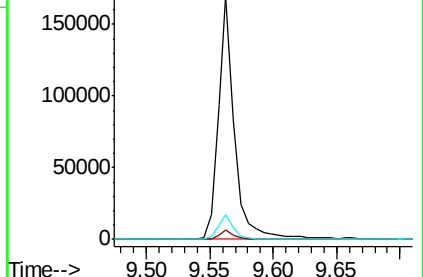
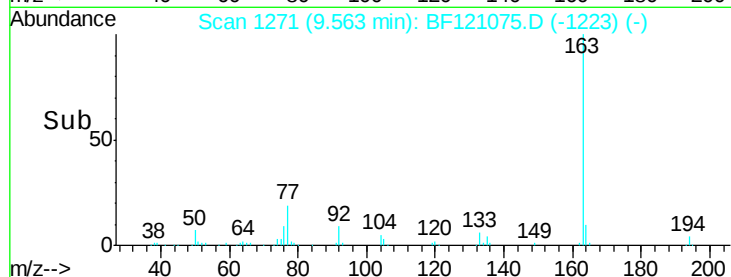
164 10.1 7.9 11.9



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: 6.218 ng

RT: 9.85 min Scan# 1319

Delta R.T. -0.19 min

Lab File: BF121075.D

Acq: 28 Jul 2020 18:15

Tgt Ion:165 Resp: 37958

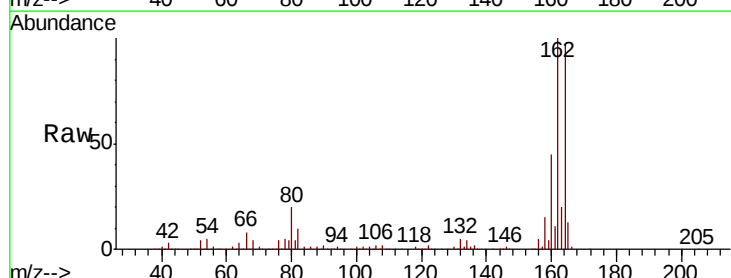
Ion Ratio Lower Upper

165 100

63 1.6 29.4 44.2#

89 1.1 53.4 80.0#

182 0.0 1.8 2.6#

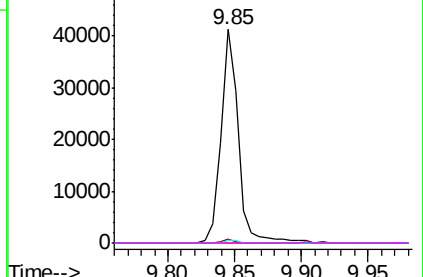
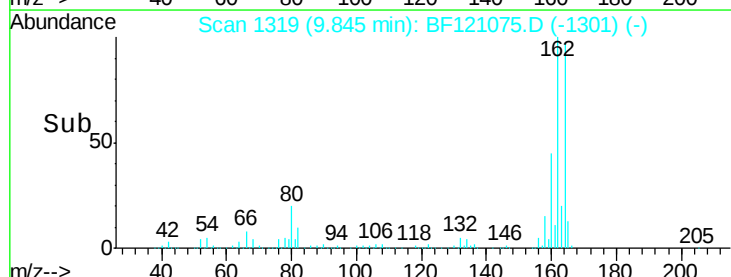


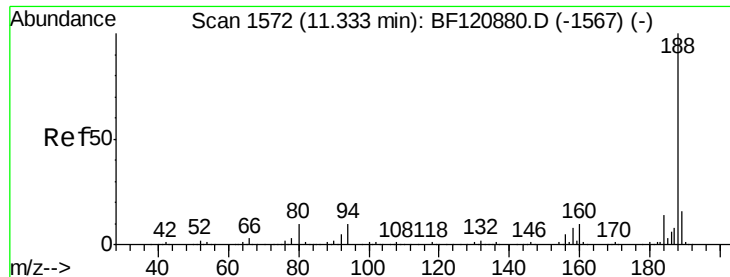
Abundance Ion 165.00 (164.70 to 165.70): E

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# 1572

Delta R.T. 0.00 min

Lab File: BF121075.D

Acq: 28 Jul 2020 18:15

Instrument :

BNA_F

ClientSampleId :

CL-01-072720

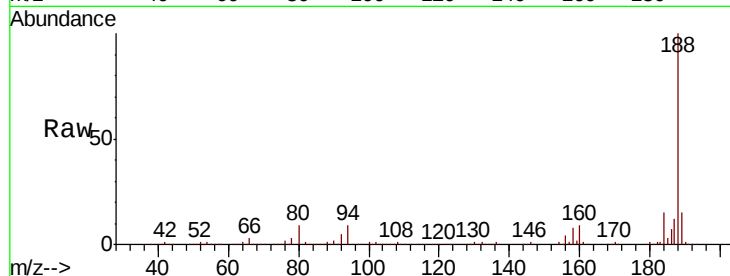
Tot Ion:188 Resp: 618463

Ion Ratio Lower Upper

188 100

94 8.7 8.0 12.0

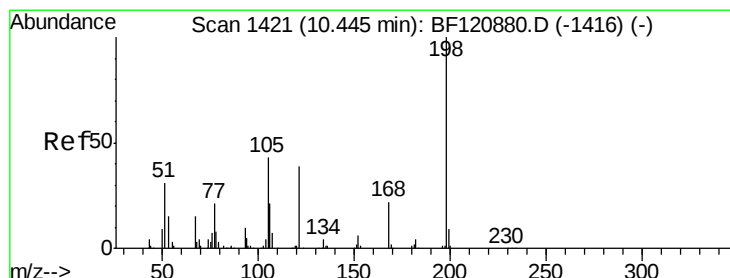
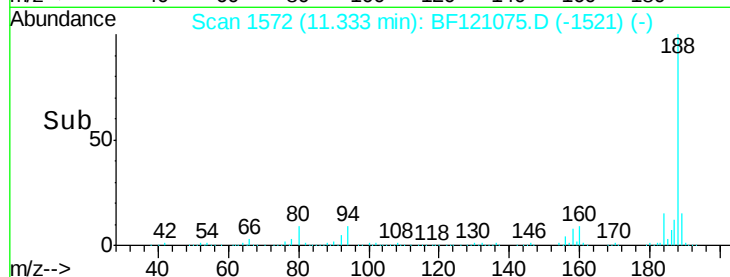
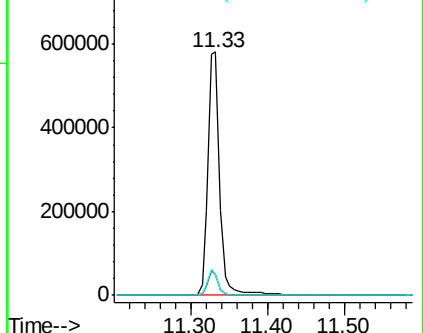
80 8.8 8.3 12.5



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: 4.036 ng

RT: 10.63 min Scan# 1453

Delta R.T. 0.19 min

Lab File: BF121075.D

Acq: 28 Jul 2020 18:15

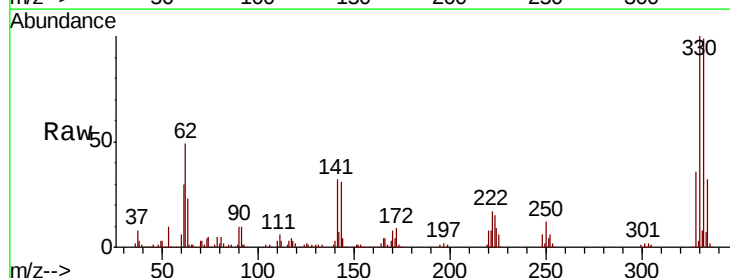
Tgt Ion:198 Resp: 751

Ion Ratio Lower Upper

198 100

51 169.7 19.5 59.5#

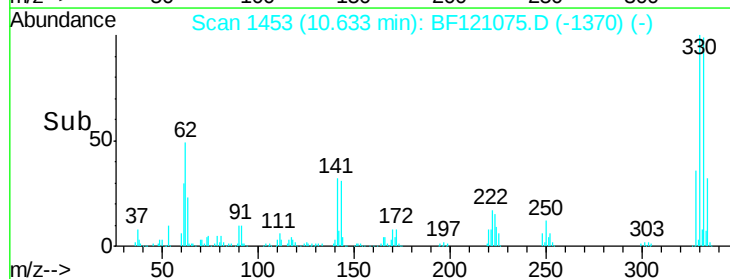
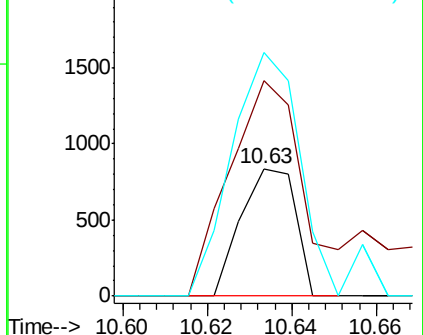
105 191.5 24.4 64.4#

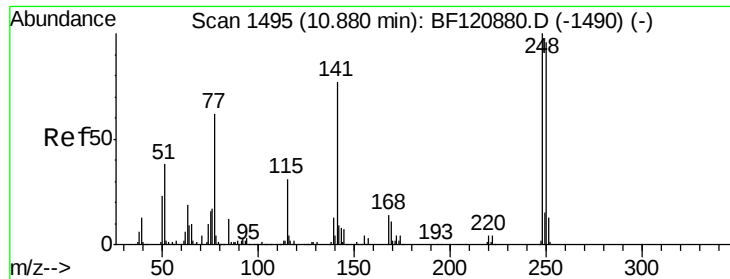


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

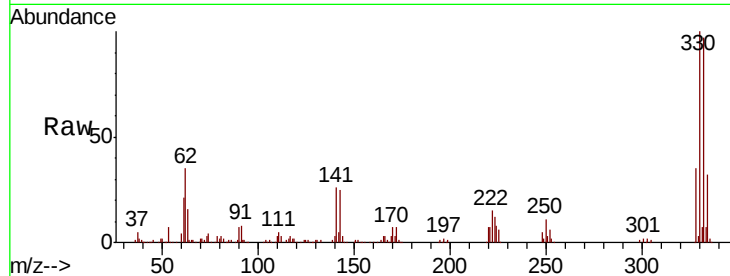




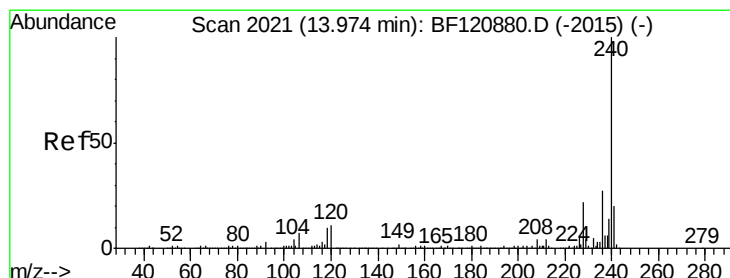
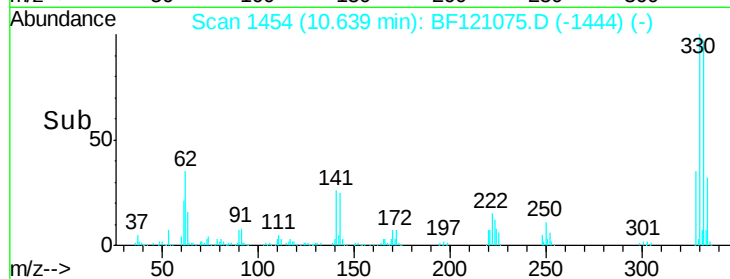
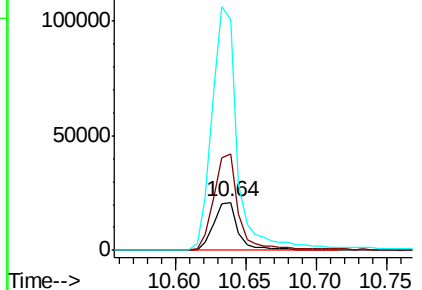
#67
4-Bromophenyl-phenylether
Concen: 3.749 ng
RT: 10.64 min Scan# 1454
Delta R.T. -0.24 min
Lab File: BF121075.D
Acq: 28 Jul 2020 18:15

Instrument :
BNA_F
ClientSampled :
CL-01-072720

Tot Ion:248 Resp: 25853
Ion Ratio Lower Upper
248 100
250 200.5 77.1 115.7#
141 478.2 61.2 91.8#

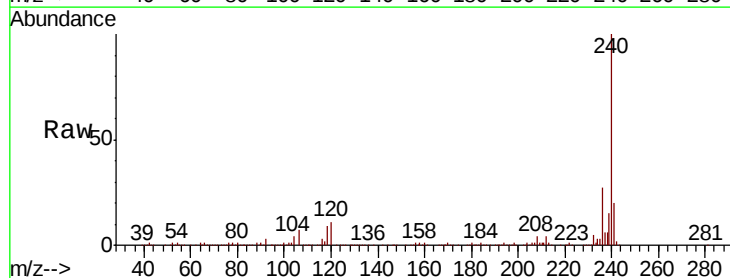


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

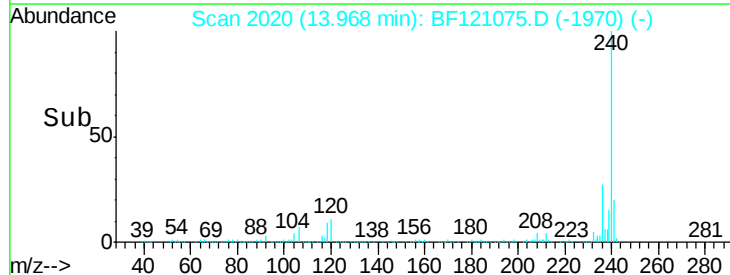
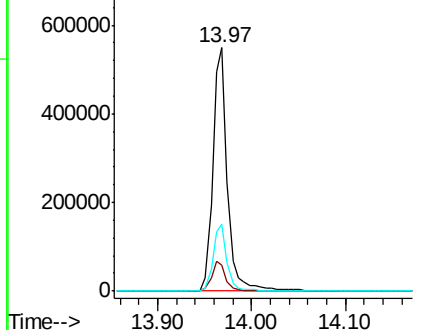


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.97 min Scan# 2020
Delta R.T. -0.01 min
Lab File: BF121075.D
Acq: 28 Jul 2020 18:15

Tgt Ion:240 Resp: 603428
Ion Ratio Lower Upper
240 100
120 10.7 9.0 13.4
236 27.3 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

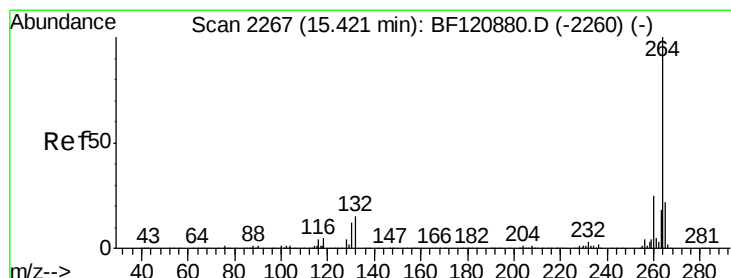
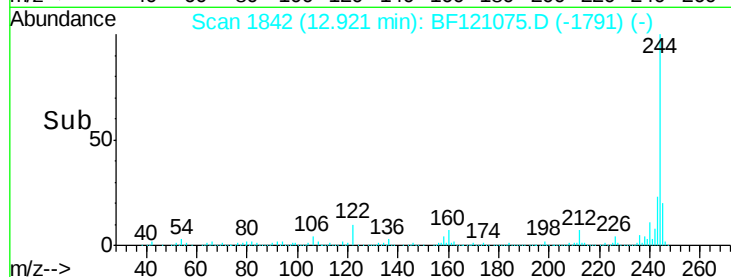
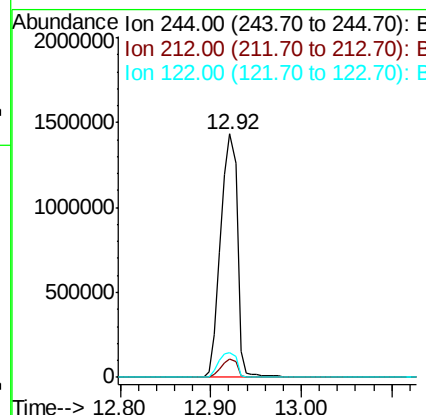
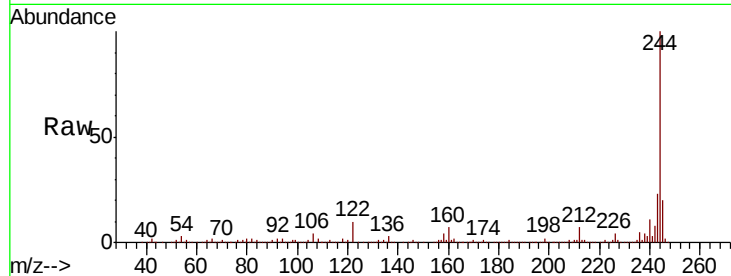




#79
 Terphenyl-d14
 Concen: 66.062 ng
 RT: 12.92 min Scan# 1842
 Delta R.T. 0.00 min
 Lab File: BF121075.D
 Acq: 28 Jul 2020 18:15

Instrument :
 BNA_F
 ClientSampleId :
 CL-01-072720

Tot Ion:244 Resp: 1833841
 Ion Ratio Lower Upper
 244 100
 212 7.3 5.6 8.4
 122 10.2 8.9 13.3



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.42 min Scan# 2266
 Delta R.T. -0.01 min
 Lab File: BF121075.D
 Acq: 28 Jul 2020 18:15

Tgt Ion:264 Resp: 600764
 Ion Ratio Lower Upper
 264 100
 260 25.2 20.0 30.0
 265 21.9 17.4 26.2

