

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF073120\
 Data File : BF121157.D
 Acq On : 31 Jul 2020 14:48
 Operator : JU/CG
 Sample : L3511-02
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-1

Quant Time: Jul 31 15:38:40 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071620.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 29 14:55:43 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	124418	20.00	ng	0.00
21) Naphthalene-d8	8.08	136	472300	20.00	ng	0.00
39) Acenaphthene-d10	9.83	164	241453	20.00	ng	0.00
64) Phenanthrene-d10	11.32	188	457575	20.00	ng	0.00
76) Chrysene-d12	13.96	240	320731	20.00	ng	0.00
86) Perylene-d12	15.42	264	290999	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.42	112	638208	84.09	ng	0.00
7) Phenol-d6	6.43	99	776859	79.24	ng	-0.01
23) Nitrobenzene-d5	7.36	82	504281	61.78	ng	-0.02
42) 2,4,6-Tribromophenol	10.63	330	220826	83.55	ng	0.00
45) 2-Fluorobiphenyl	9.16	172	916908	56.70	ng	0.00
79) Terphenyl-d14	12.91	244	913849	61.94	ng	0.00

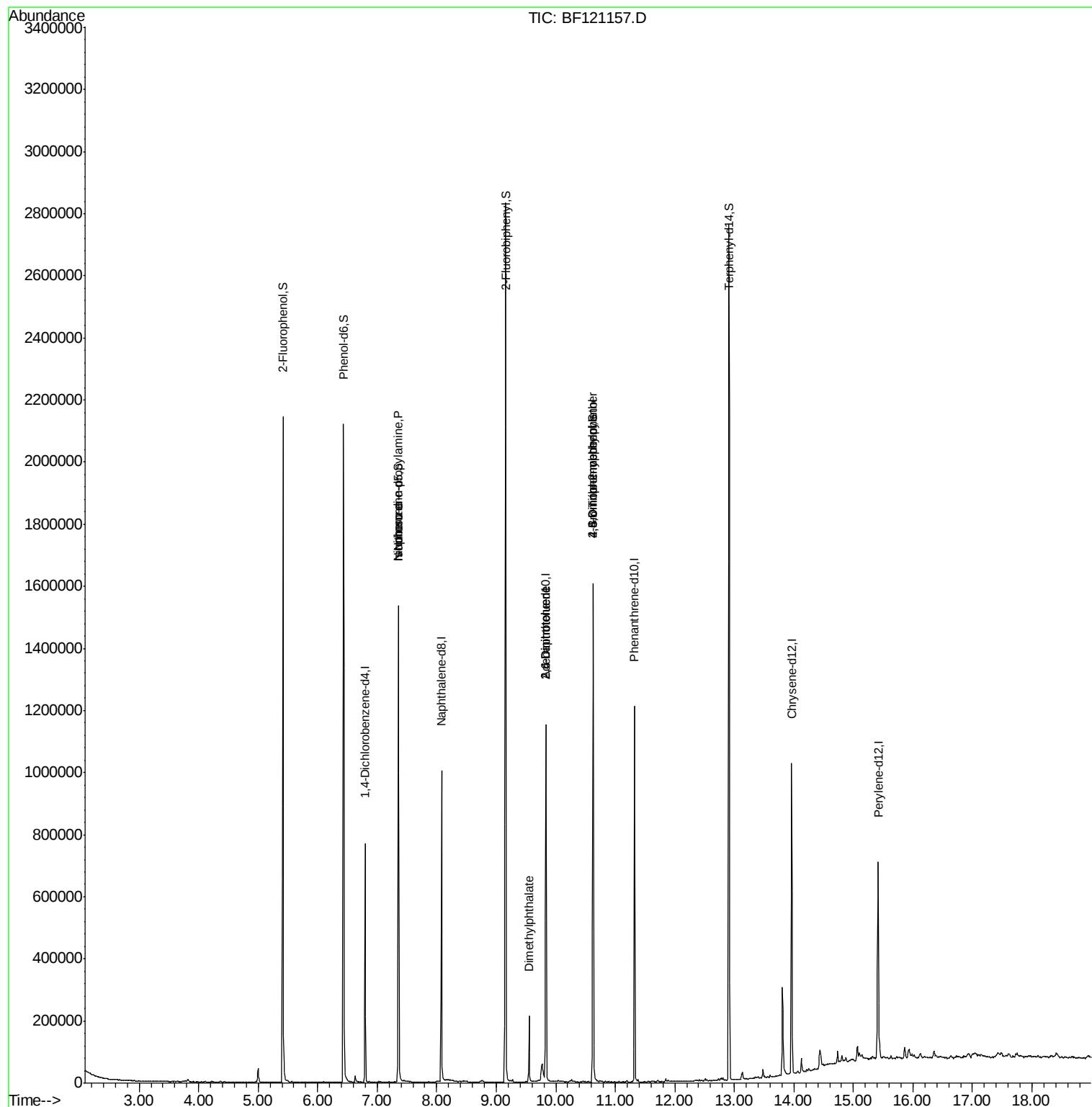
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.43	77	1124	Below Cal		# 1
19) n-Nitroso-di-n-propylamine	7.36	70	65886	11.819	ng	# 78
25) Isophorone	7.36	82	491971	30.200	ng	# 62
50) Dimethylphthalate	9.55	163	86717	4.978	ng	# 99
51) 2,6-Dinitrotoluene	9.83	165	31339	8.374	ng	# 27
57) 2,4-Dinitrotoluene	9.83	165	31339	6.377	ng	# 30
65) 4,6-Dinitro-2-methylphenol	10.63	198	319	3.953	ng	# 1
67) 4-Bromophenyl-phenylether	10.63	248	12654	2.480	ng	# 1

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

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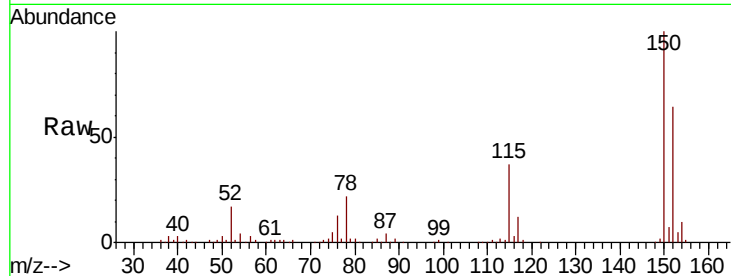


#1

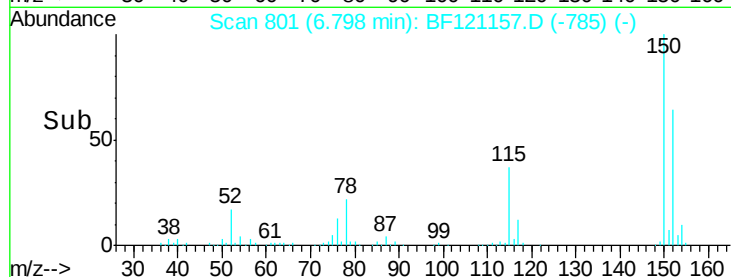
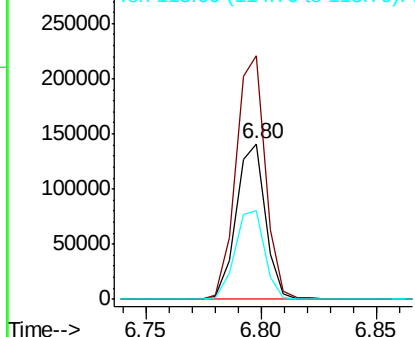
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 801
Delta R.T. -0.01 min
Lab File: BF121157.D
Acq: 31 Jul 2020 14:48

Instrument :
BNA_F
ClientSampleId :
TP-1

Tot Ion:152 Resp: 124418
Ion Ratio Lower Upper
152 100
150 156.6 125.6 188.4
115 57.2 46.2 69.2



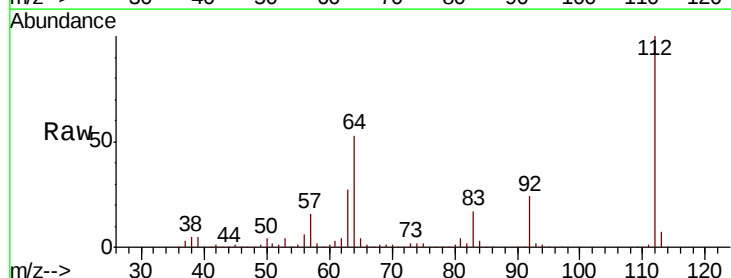
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



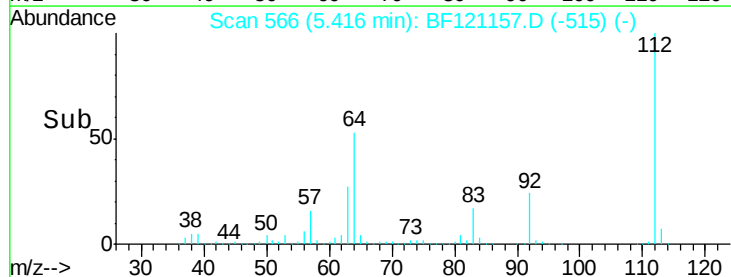
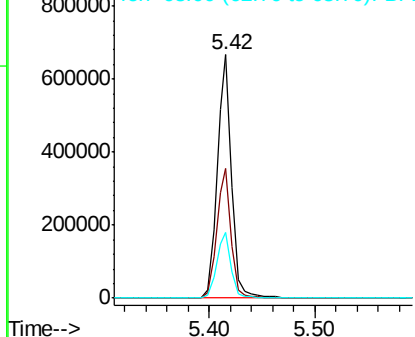
#5

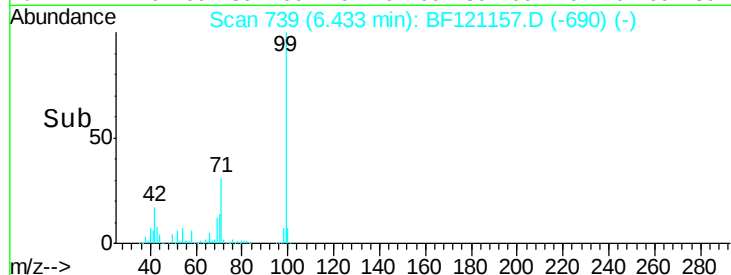
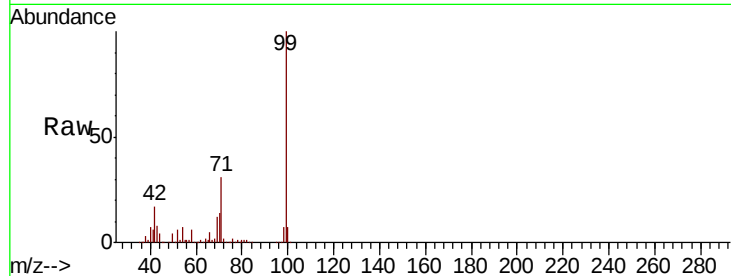
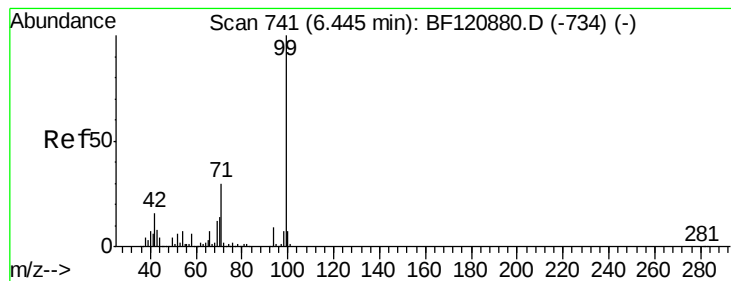
2-Fluorophenol
Concen: 84.092 ng
RT: 5.42 min Scan# 566
Delta R.T. -0.00 min
Lab File: BF121157.D
Acq: 31 Jul 2020 14:48

Tgt Ion:112 Resp: 638208
Ion Ratio Lower Upper
112 100
64 53.3 43.9 65.9
63 27.1 22.7 34.1



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: 79.242 ng

RT: 6.43 min Scan# 739

Delta R.T. -0.01 min

Lab File: BF121157.D

Acq: 31 Jul 2020 14:48

Instrument :

BNA_F

ClientSampleId :

TP-1

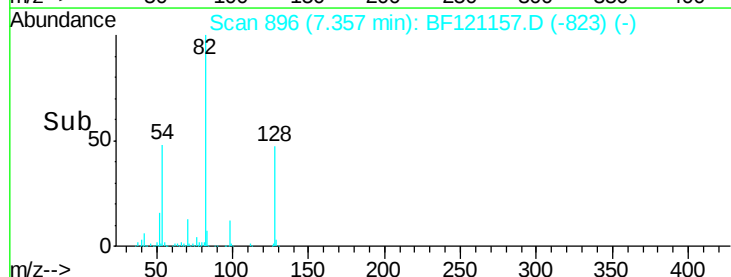
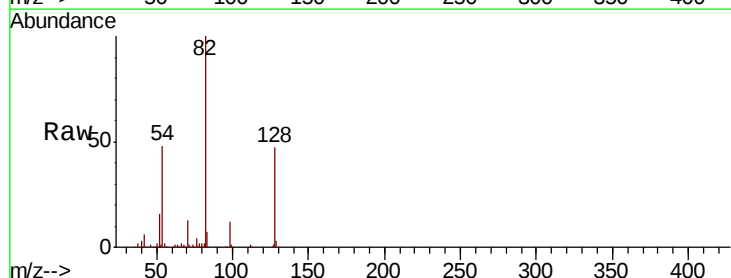
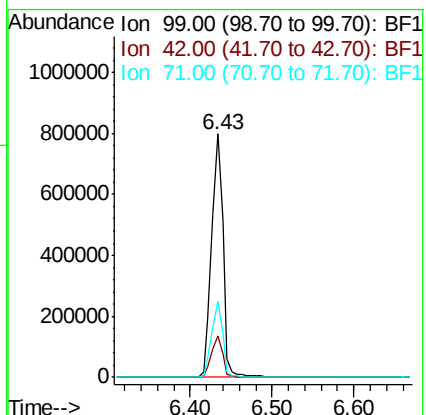
Tot Ion: 99 Resp: 776859

Ion Ratio Lower Upper

99 100

42 17.0 13.5 20.3

71 31.1 25.0 37.4



#19

n-Nitroso-di-n-propylamine

Concen: 11.819 ng

RT: 7.36 min Scan# 896

Delta R.T. 0.13 min

Lab File: BF121157.D

Acq: 31 Jul 2020 14:48

Tgt Ion: 70 Resp: 65886

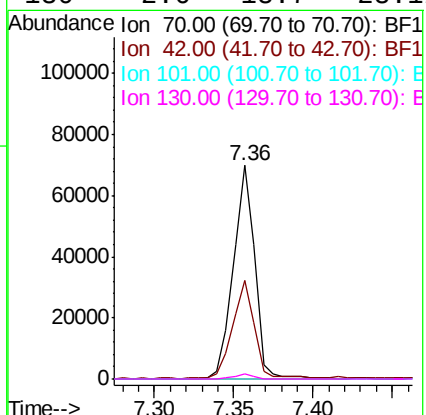
Ion Ratio Lower Upper

70 100

42 46.0 43.3 64.9

101 0.0 8.4 12.6#

130 2.6 18.7 28.1#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.08 min Scan# 1019

Delta R.T. -0.01 min

Lab File: BF121157.D

Acq: 31 Jul 2020 14:48

Instrument :

BNA_F

ClientSampleId :

TP-1

Tot Ion:136 Resp: 472300

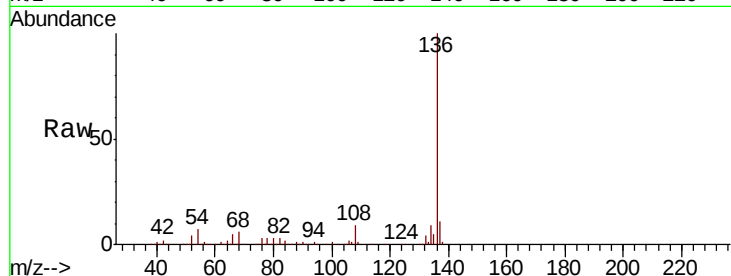
Ion Ratio Lower Upper

136 100

137 11.0 9.0 13.4

54 6.6 6.1 9.1

68 5.6 5.0 7.6

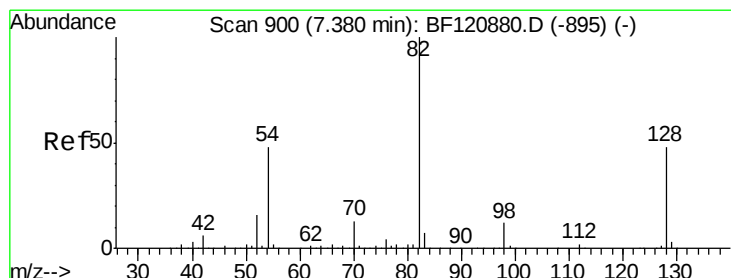
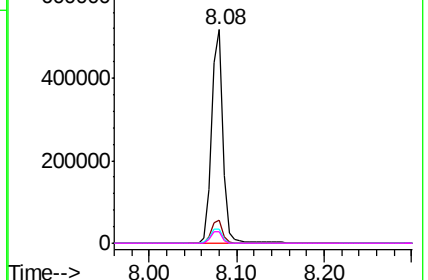
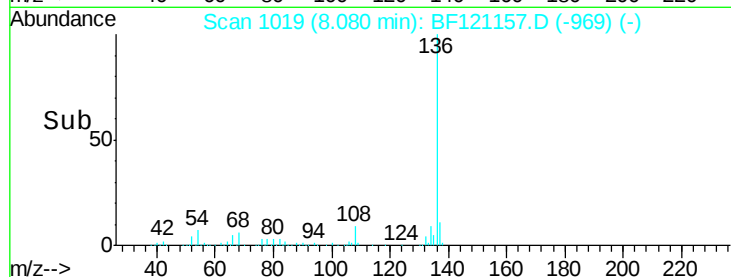


Abundance Ion 136.00 (135.70 to 136.70): E

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: 61.781 ng

RT: 7.36 min Scan# 896

Delta R.T. -0.02 min

Lab File: BF121157.D

Acq: 31 Jul 2020 14:48

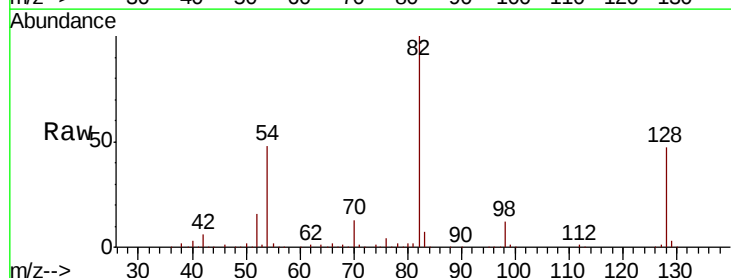
Tgt Ion: 82 Resp: 504281

Ion Ratio Lower Upper

82 100

128 46.8 39.2 58.8

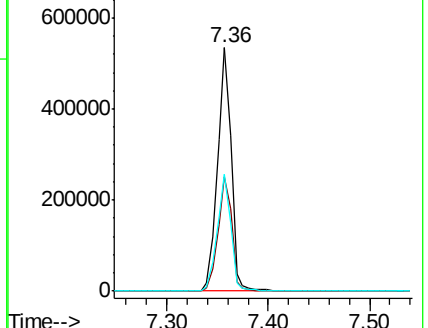
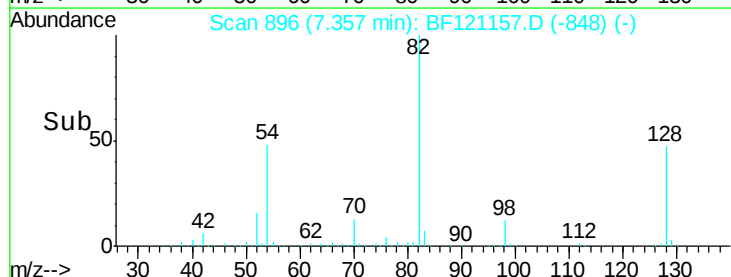
54 47.8 37.8 56.8

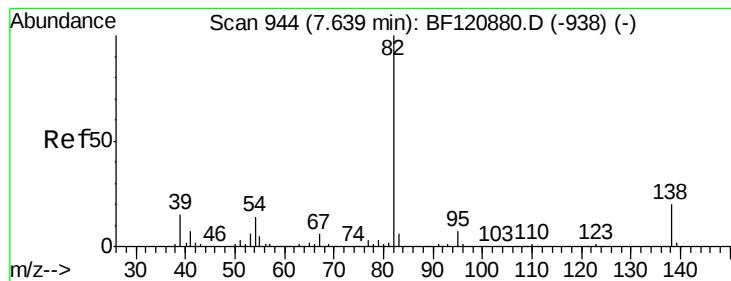


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 30.200 ng

RT: 7.36 min Scan# 896

Delta R.T. -0.28 min

Lab File: BF121157.D

Acq: 31 Jul 2020 14:48

Instrument :

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ClientSampleId :

TP-1

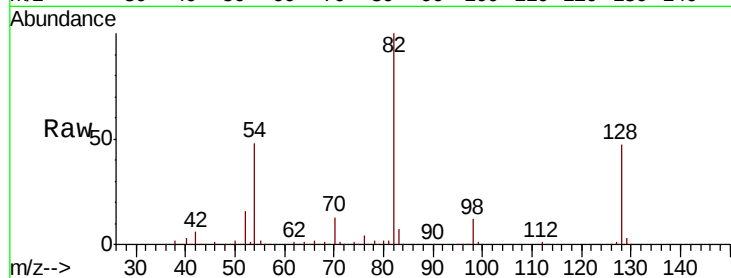
Tot Ion: 82 Resp: 491971

Ion Ratio Lower Upper

82 100

95 0.1 5.5 8.3#

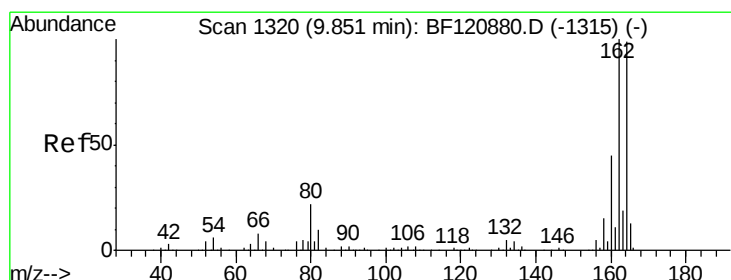
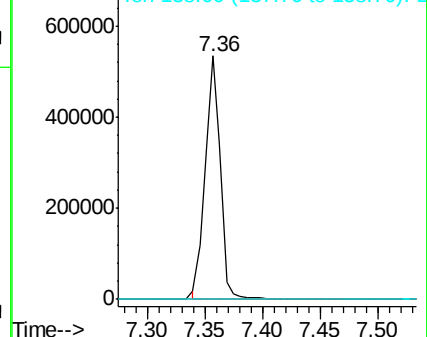
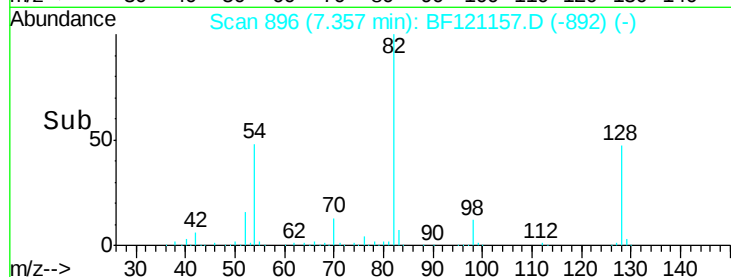
138 0.0 16.2 24.2#



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: 9.83 min Scan# 1317

Delta R.T. -0.01 min

Lab File: BF121157.D

Acq: 31 Jul 2020 14:48

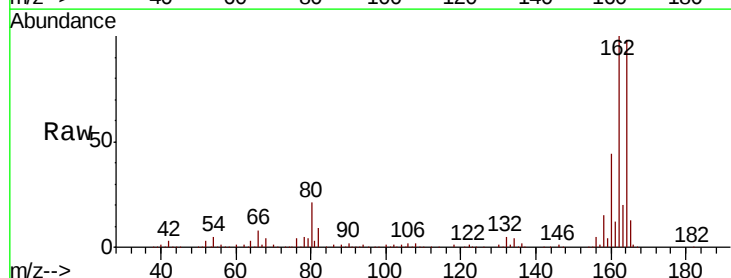
Tgt Ion: 164 Resp: 241453

Ion Ratio Lower Upper

164 100

162 101.7 82.2 123.2

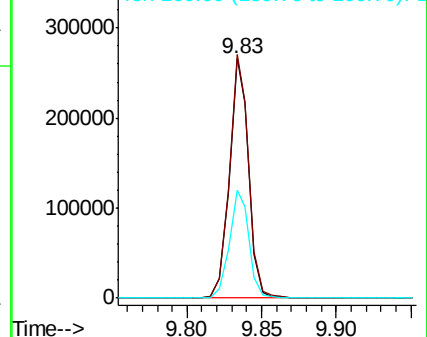
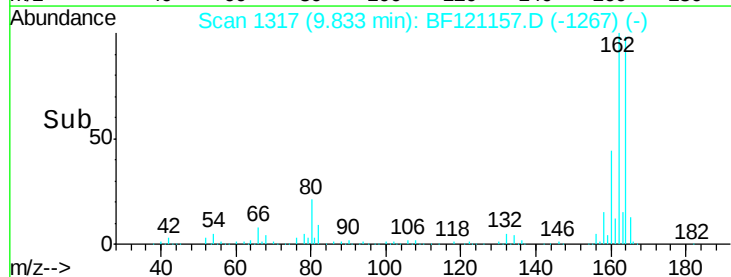
160 45.2 37.2 55.8

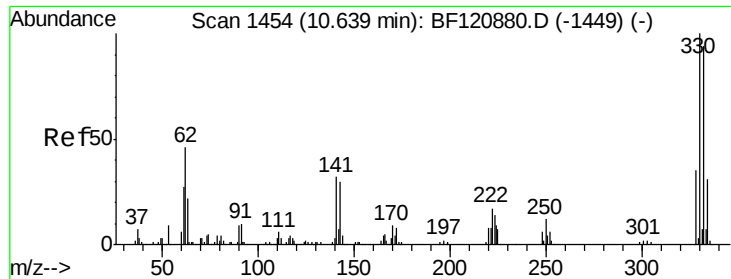


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

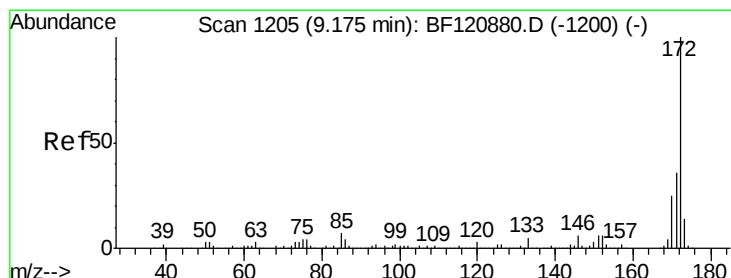
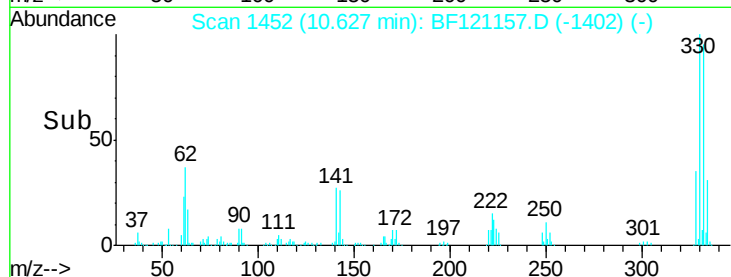
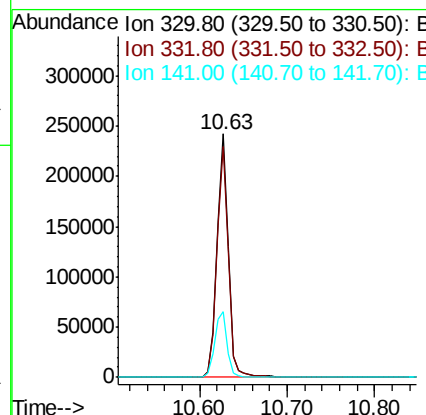
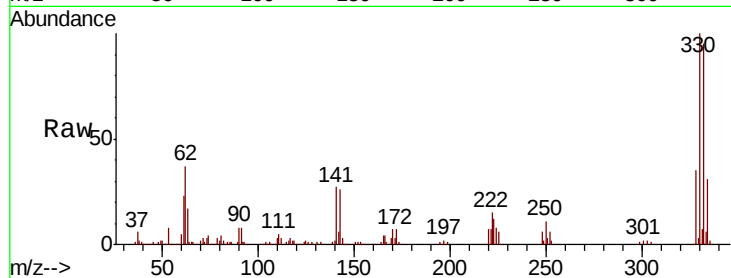




#42
 2,4,6-Tribromophenol
 Concen: 83.553 ng
 RT: 10.63 min Scan# 1452
 Delta R.T. -0.01 min
 Lab File: BF121157.D
 Acq: 31 Jul 2020 14:48

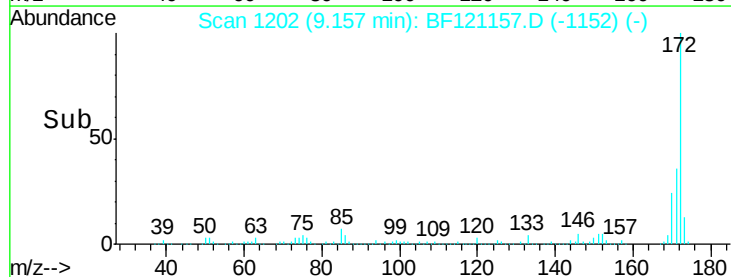
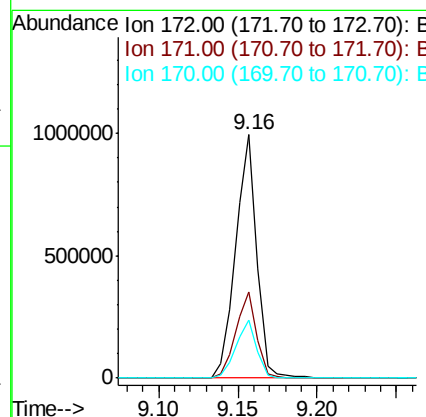
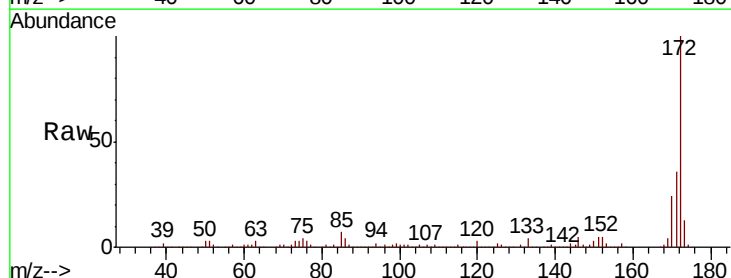
Instrument :
 BNA_F
 ClientSampleId :
 TP-1

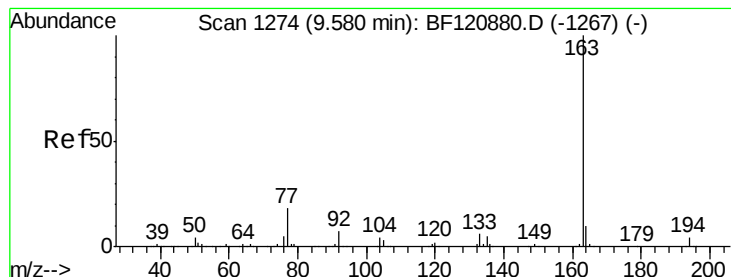
Tot Ion	Ratio	Lower	Upper
330	100		
332	95.6	76.1	114.1
141	29.3	24.1	36.1



#45
 2-Fluorobiphenyl
 Concen: 56.698 ng
 RT: 9.16 min Scan# 1202
 Delta R.T. -0.01 min
 Lab File: BF121157.D
 Acq: 31 Jul 2020 14:48

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.6	29.0	43.4
170	24.0	19.6	29.4





#50

Dimethylphthalate

Concen: 4.978 ng

RT: 9.55 min Scan# 1269

Delta R.T. -0.02 min

Lab File: BF121157.D

Acq: 31 Jul 2020 14:48

Instrument :

BNA_F

ClientSampled :

TP-1

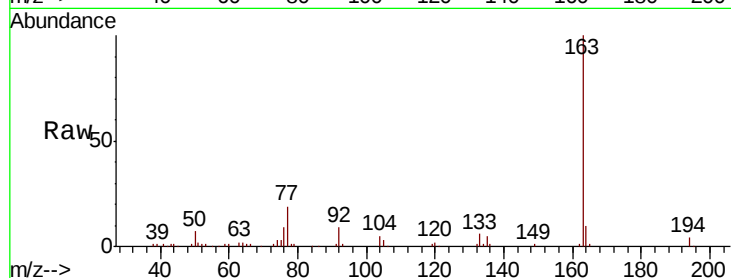
Tot Ion:163 Resp: 86717

Ion Ratio Lower Upper

163 100

194 3.8 3.0 4.4

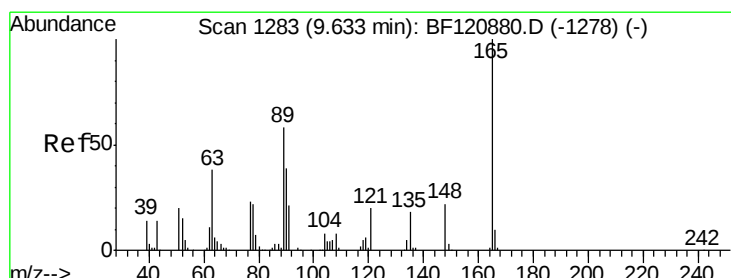
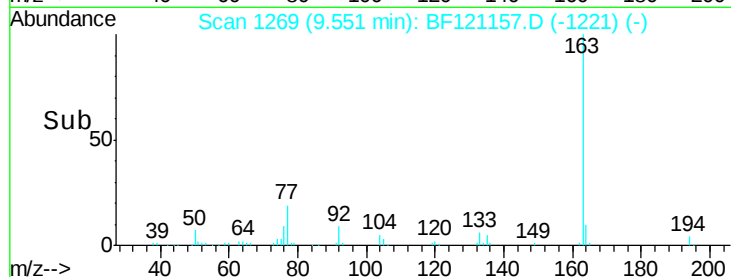
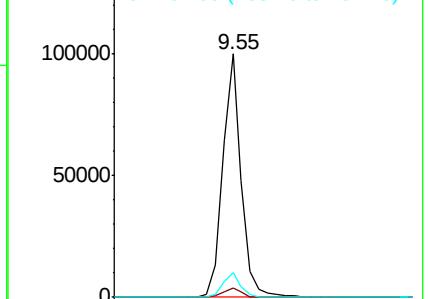
164 10.3 8.4 12.6



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: 8.374 ng

RT: 9.83 min Scan# 1317

Delta R.T. 0.21 min

Lab File: BF121157.D

Acq: 31 Jul 2020 14:48

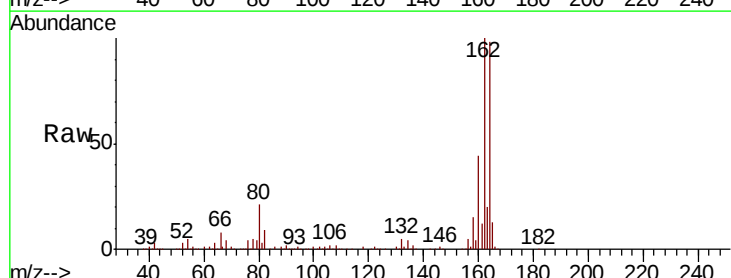
Tgt Ion:165 Resp: 31339

Ion Ratio Lower Upper

165 100

63 1.0 41.1 61.7#

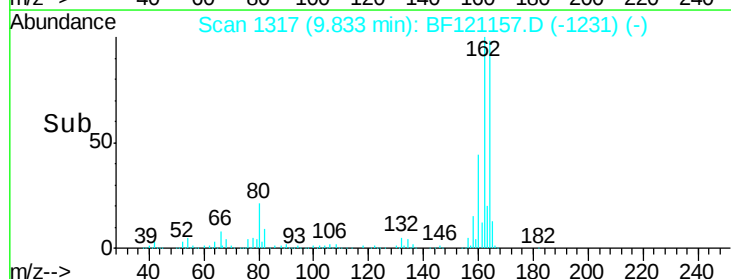
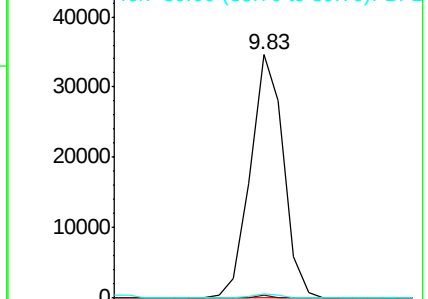
89 1.7 43.5 65.3#

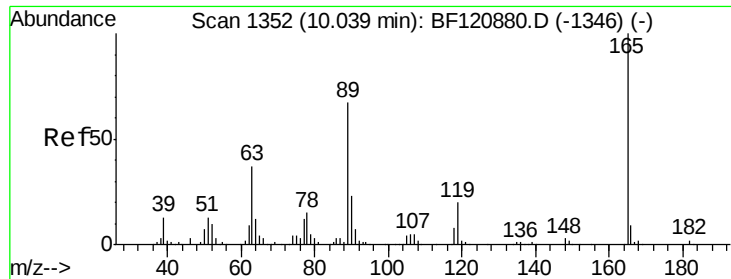


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

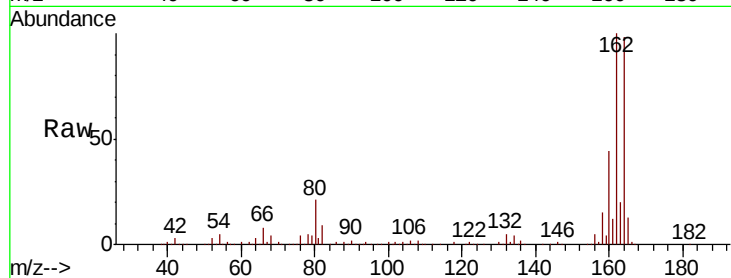




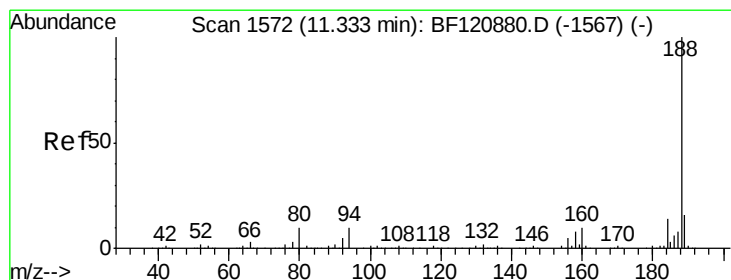
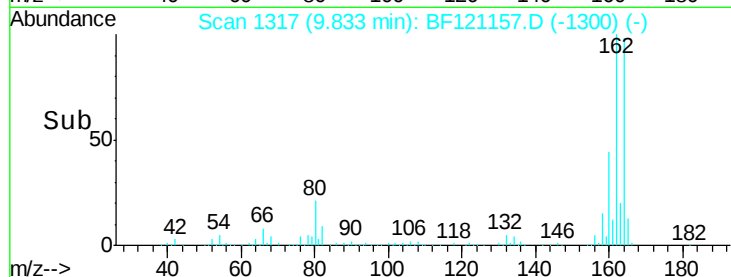
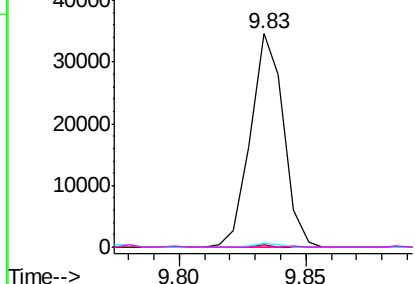
#57
 2,4-Dinitrotoluene
 Concen: 6.377 ng
 RT: 9.83 min Scan# 1317
 Delta R.T. -0.20 min
 Lab File: BF121157.D
 Acq: 31 Jul 2020 14:48

Instrument :
 BNA_F
 ClientSampled :
 TP-1

Tot Ion:165 Resp: 31339
 Ion Ratio Lower Upper
 165 100
 63 1.0 29.8 44.8#
 89 1.7 50.3 75.5#
 182 0.9 2.1 3.1#

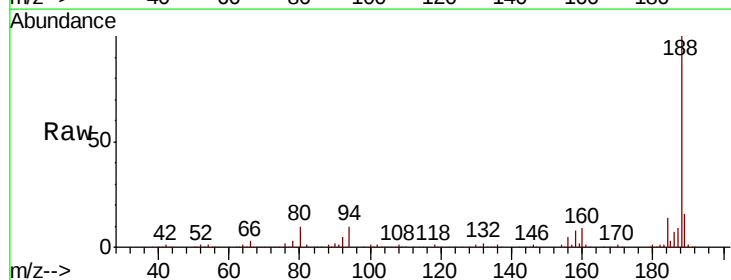


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1
 Ion 182.00 (181.70 to 182.70): E

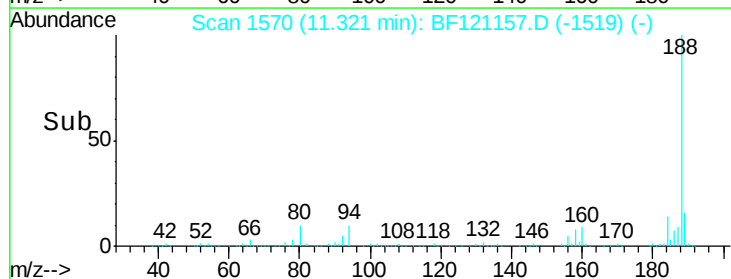
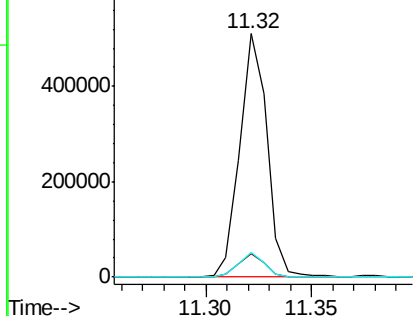


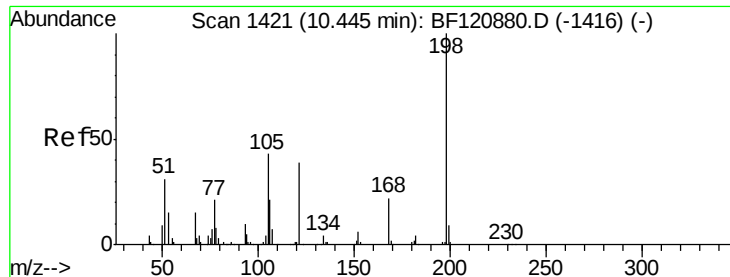
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.32 min Scan# 1570
 Delta R.T. -0.00 min
 Lab File: BF121157.D
 Acq: 31 Jul 2020 14:48

Tgt Ion:188 Resp: 457575
 Ion Ratio Lower Upper
 188 100
 94 9.6 8.0 12.0
 80 9.9 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: 3.953 ng

RT: 10.63 min Scan# 1452

Delta R.T. 0.19 min

Lab File: BF121157.D

Acq: 31 Jul 2020 14:48

Instrument :

BNA_F

ClientSampled :

TP-1

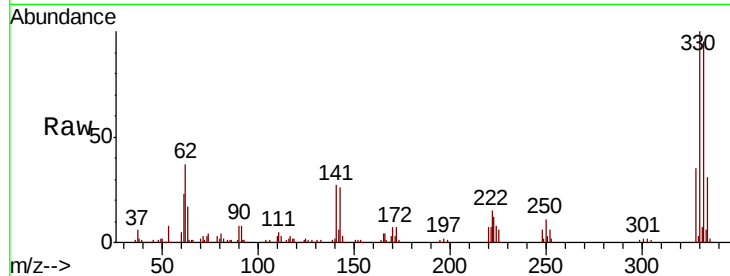
Tot Ion:198 Resp: 319

Ion Ratio Lower Upper

198 100

51 203.0 23.4 63.4#

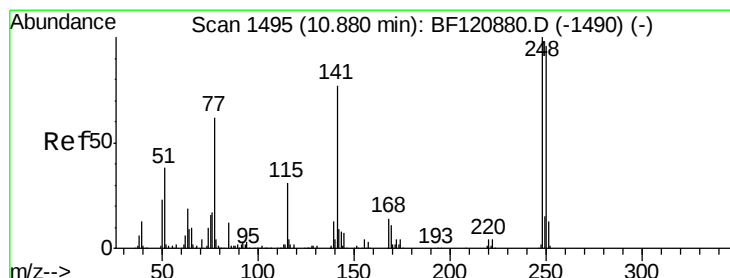
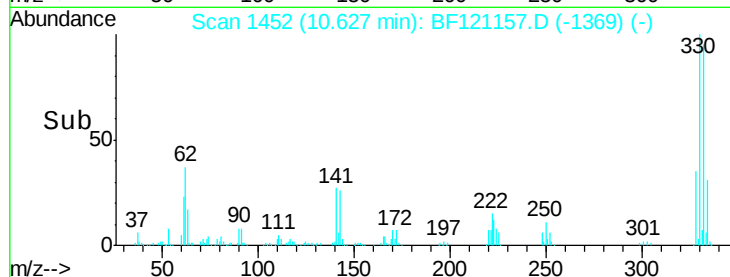
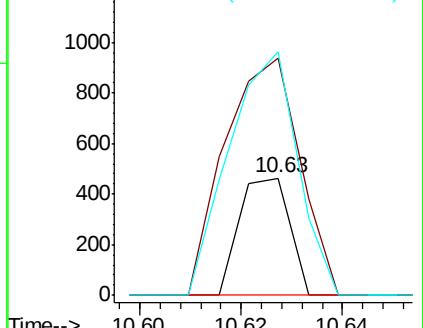
105 208.2 23.7 63.7#



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: 2.480 ng

RT: 10.63 min Scan# 1452

Delta R.T. -0.24 min

Lab File: BF121157.D

Acq: 31 Jul 2020 14:48

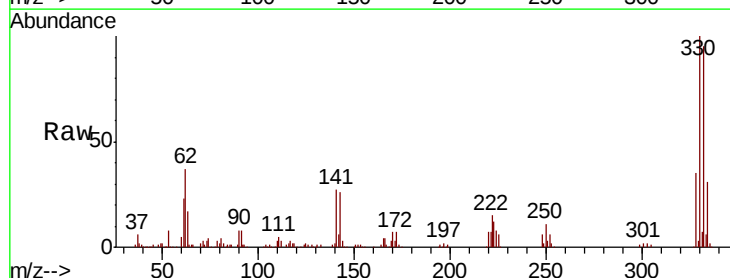
Tgt Ion:248 Resp: 12654

Ion Ratio Lower Upper

248 100

250 204.5 77.0 115.6#

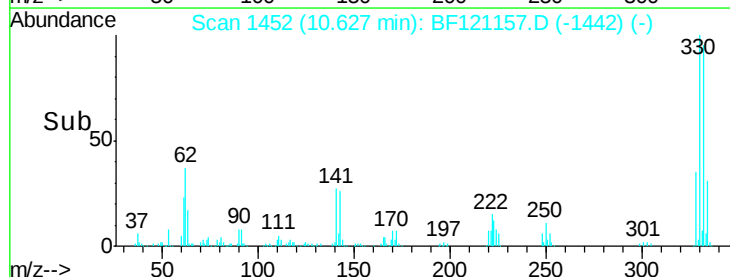
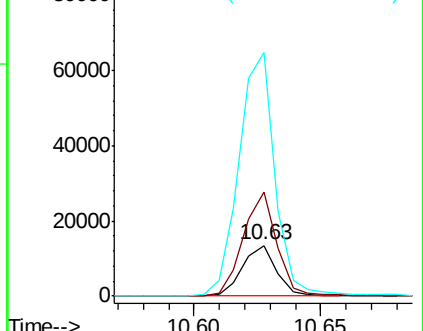
141 479.2 56.6 85.0#



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: 13.96 min Scan# 2019

Delta R.T. -0.00 min

Lab File: BF121157.D

Acq: 31 Jul 2020 14:48

Instrument :

BNA_F

ClientSampled :

TP-1

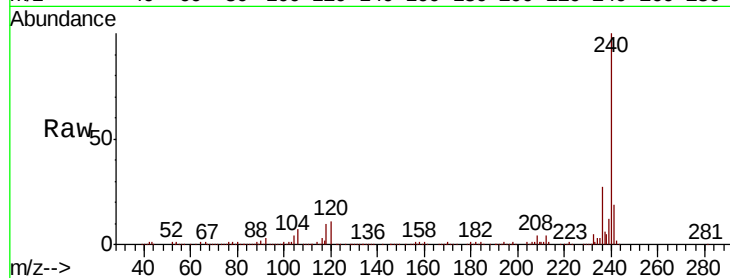
Tot Ion:240 Resp: 320731

Ion Ratio Lower Upper

240 100

120 11.2 9.3 13.9

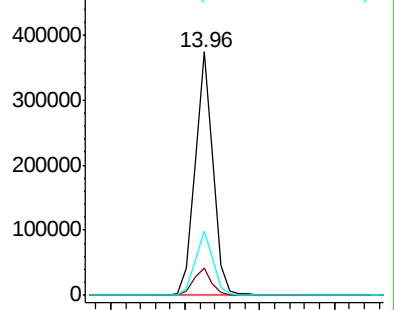
236 26.5 21.1 31.7



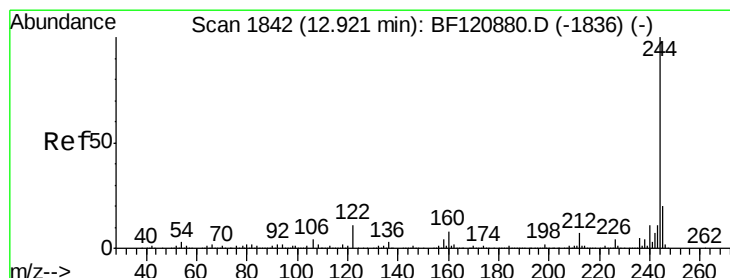
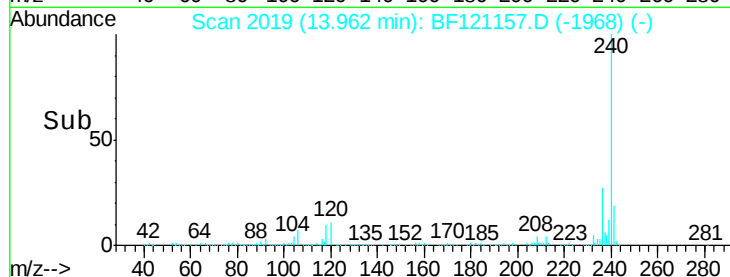
Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



Time-->



#79

Terphenyl-d14

Concen: 61.937 ng

RT: 12.91 min Scan# 1840

Delta R.T. -0.00 min

Lab File: BF121157.D

Acq: 31 Jul 2020 14:48

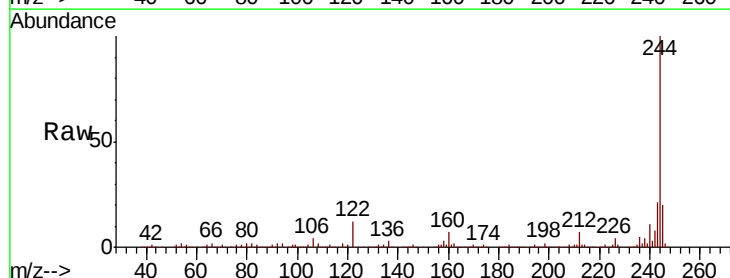
Tgt Ion:244 Resp: 913849

Ion Ratio Lower Upper

244 100

212 7.1 5.7 8.5

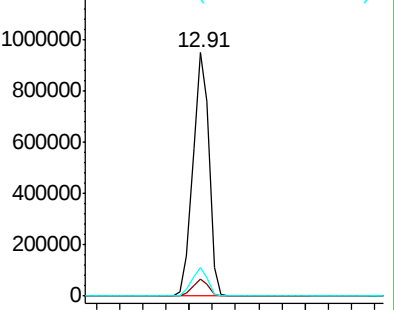
122 11.6 8.3 12.5



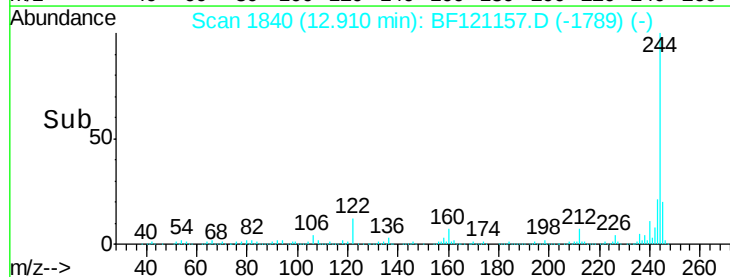
Abundance Ion 244.00 (243.70 to 244.70): E

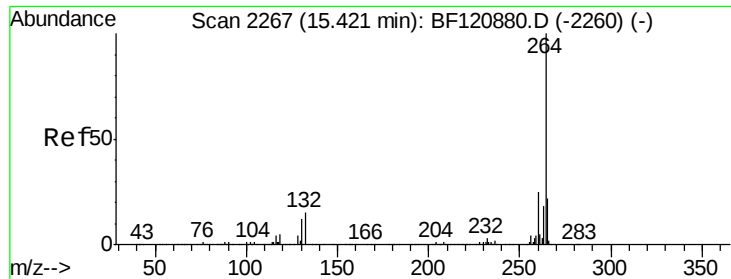
Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



Time-->





#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.42 min Scan# 2266
Delta R.T. 0.01 min
Lab File: BF121157.D
Acq: 31 Jul 2020 14:48

Instrument :
BNA_F
ClientSampleId :
TP-1

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.9	29.9
265	21.2	17.8	26.8

