

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071720\
 Data File : BF120913.D
 Acq On : 17 Jul 2020 10:22
 Operator : JU/CG
 Sample : PB130249BL
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB130249BL

Quant Time: Jul 17 10:51:38 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	6.82	152	178697	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	673762	20.00	ng	0.00
39) Acenaphthene-d10	9.85	164	342111	20.00	ng	0.00
64) Phenanthrene-d10	11.33	188	648068	20.00	ng	0.00
76) Chrysene-d12	13.97	240	517353	20.00	ng	0.00
86) Perylene-d12	15.42	264	475786	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.43	112	1187513	108.94	ng	0.01
7) Phenol-d6	6.45	99	1421990	100.99	ng	0.00
23) Nitrobenzene-d5	7.37	82	903372	77.58	ng	0.00
42) 2,4,6-Tribromophenol	10.64	330	398315	106.37	ng	0.00
45) 2-Fluorobiphenyl	9.17	172	1586664	69.25	ng	0.00
79) Terphenyl-d14	12.92	244	1573852	66.13	ng	0.00

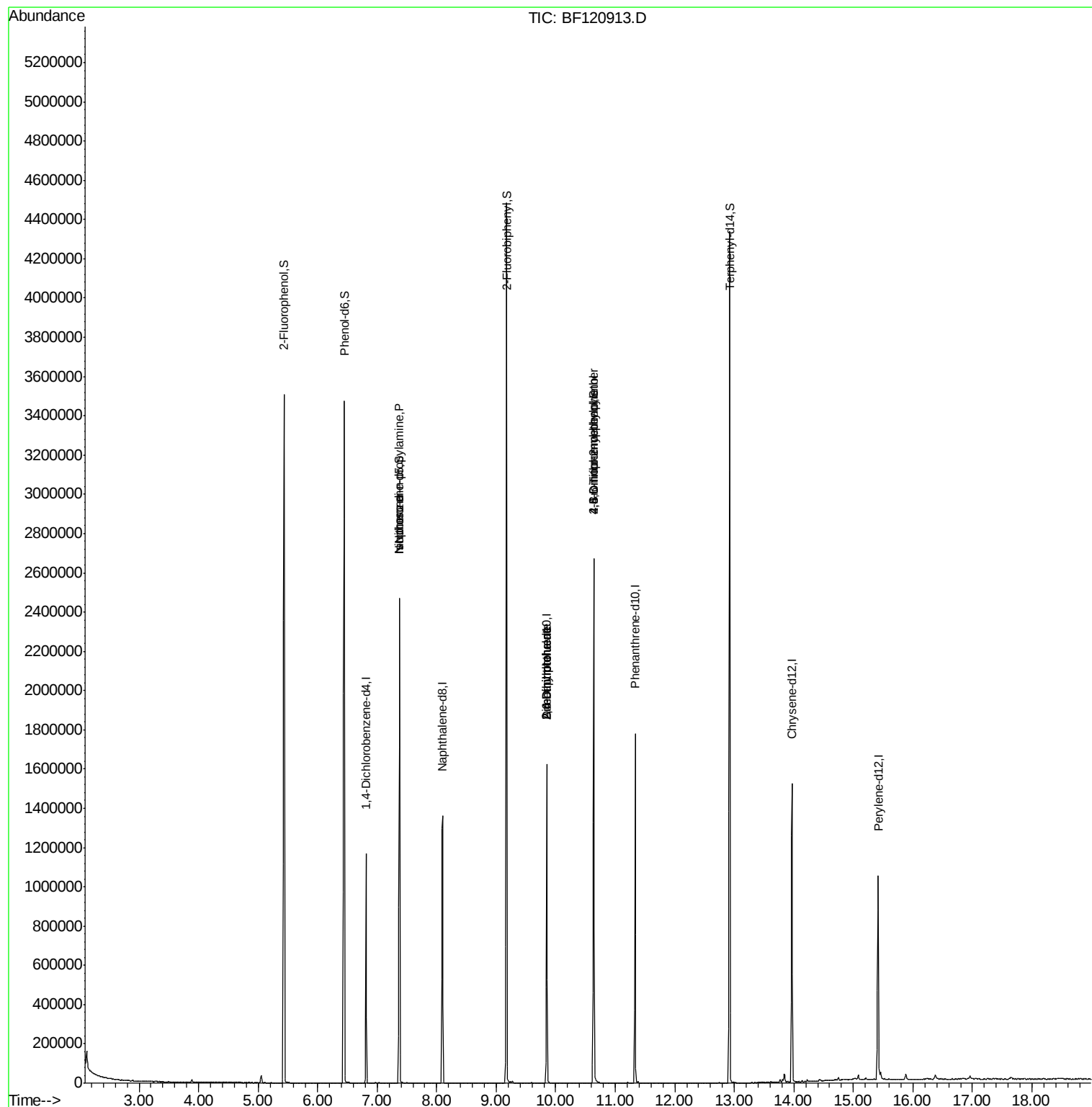
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.45	77	1862	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.37	70	118042	14.743	ng	# 76
25) Isophorone	7.37	82	897720	38.630	ng	# 63
50) Dimethylphthalate	9.85	163	75829	3.072	ng	# 1
51) 2,6-Dinitrotoluene	9.85	165	44382	8.370	ng	# 23
57) 2,4-Dinitrotoluene	9.85	165	44382	6.374	ng	# 27
65) 4,6-Dinitro-2-methylphenol	10.64	198	842	4.049	ng	# 1
67) 4-Bromophenyl-phenylether	10.64	248	23672	3.276	ng	# 1

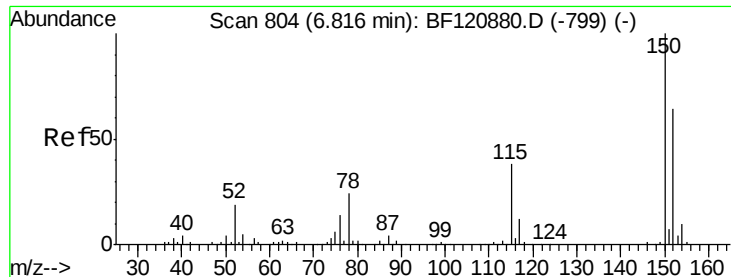
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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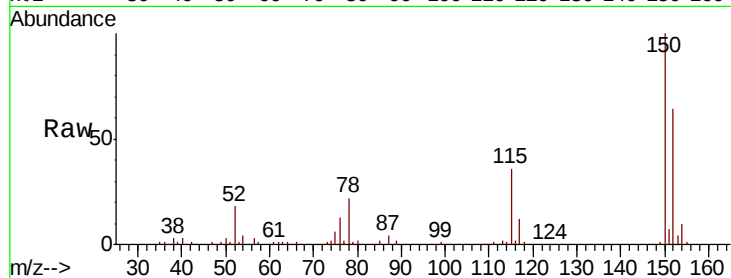


#1

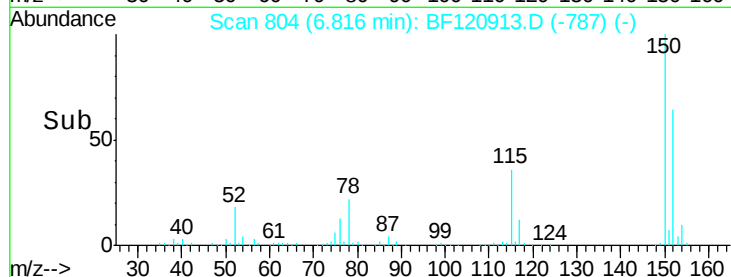
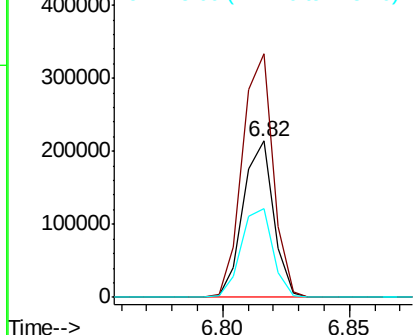
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 804
Delta R.T. 0.00 min
Lab File: BF120913.D
Acq: 17 Jul 2020 10:22

Instrument :
BNA_F
ClientSampleId :
PB130249BL

Tot Ion:152 Resp: 178697
Ion Ratio Lower Upper
152 100
150 156.1 125.0 187.6
115 56.5 47.0 70.4



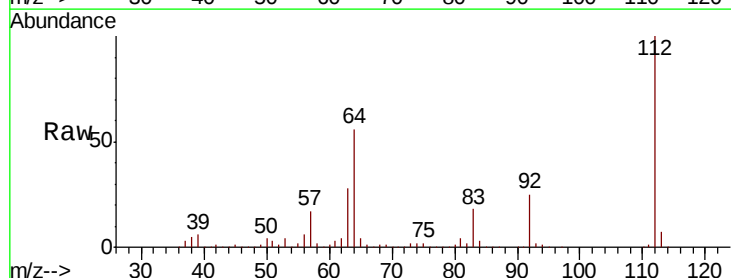
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



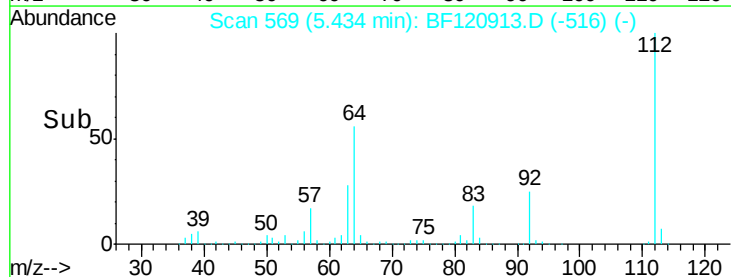
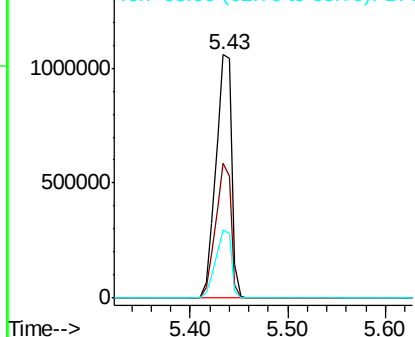
#5

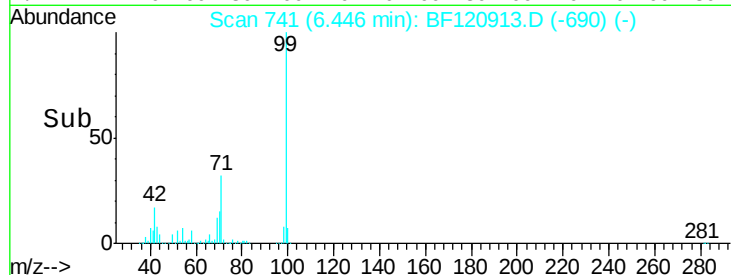
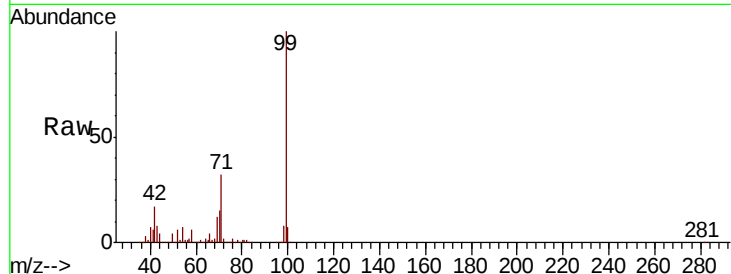
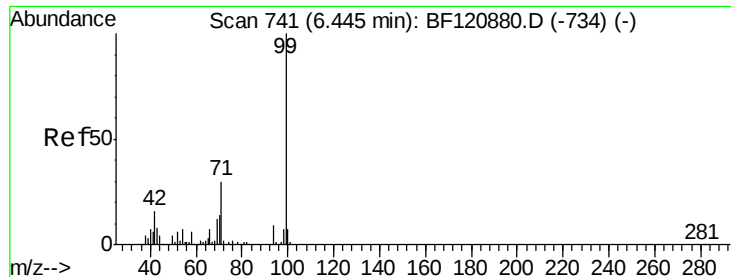
2-Fluorophenol
Concen: 108.942 ng
RT: 5.43 min Scan# 569
Delta R.T. 0.01 min
Lab File: BF120913.D
Acq: 17 Jul 2020 10:22

Tgt Ion:112 Resp: 1187513
Ion Ratio Lower Upper
112 100
64 55.6 41.3 61.9
63 28.0 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: 100.989 ng

RT: 6.45 min Scan# 741

Delta R.T. 0.00 min

Lab File: BF120913.D

Acq: 17 Jul 2020 10:22

Instrument :

BNA_F

ClientSampleId :

PB130249BL

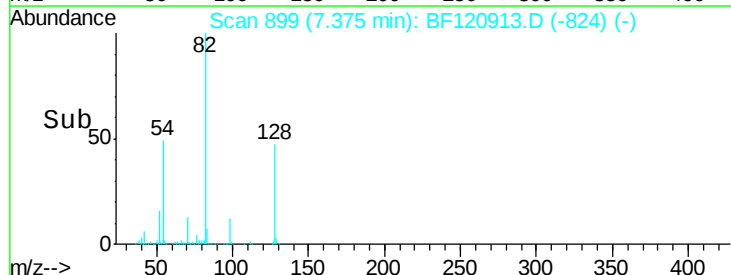
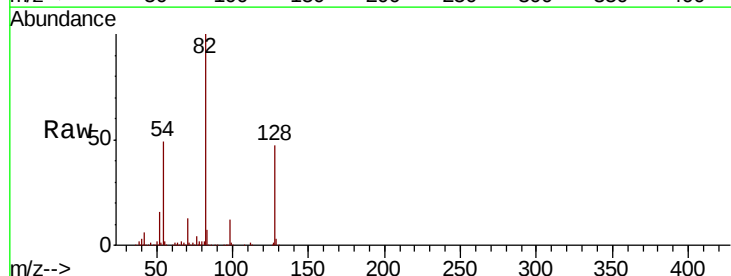
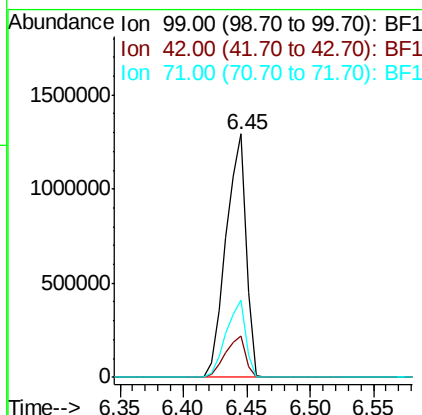
Tot Ion: 99 Resp: 1421990

Ion Ratio Lower Upper

99 100

42 17.1 13.1 19.7

71 31.5 24.2 36.4



#19

n-Nitroso-di-n-propylamine

Concen: 14.743 ng

RT: 7.37 min Scan# 899

Delta R.T. 0.14 min

Lab File: BF120913.D

Acq: 17 Jul 2020 10:22

Tgt Ion: 70 Resp: 118042

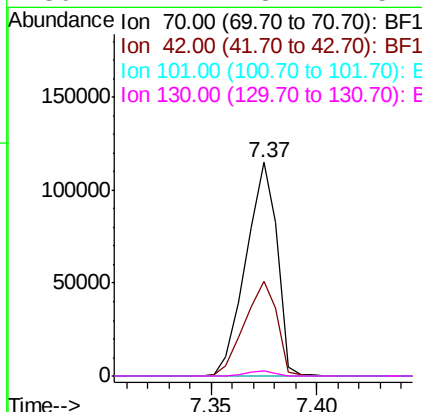
Ion Ratio Lower Upper

70 100

42 44.3 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: 8.10 min Scan# 1022

Delta R.T. 0.00 min

Lab File: BF120913.D

Acq: 17 Jul 2020 10:22

Instrument :

BNA_F

ClientSampleId :

PB130249BL

Tot Ion:136 Resp: 673762

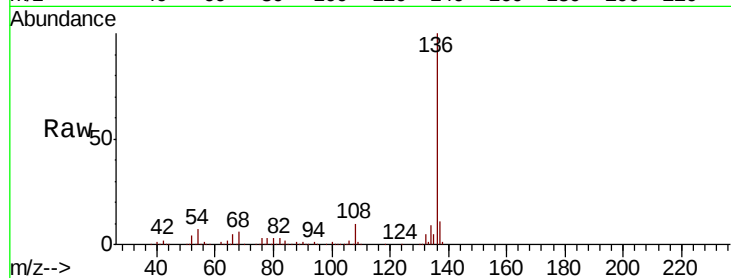
Ion Ratio Lower Upper

136 100

137 11.0 9.3 13.9

54 7.1 6.3 9.5

68 5.5 5.0 7.4

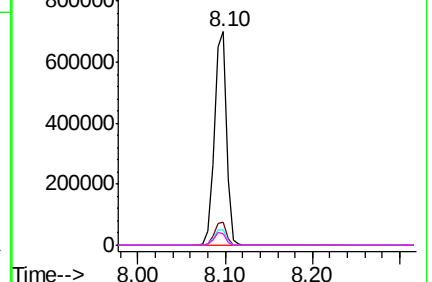
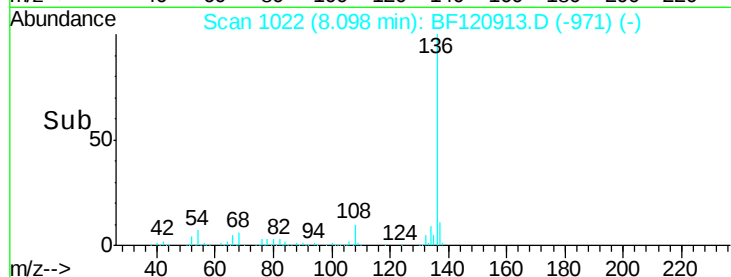


Abundance Ion 136.00 (135.70 to 136.70): E

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: 77.582 ng

RT: 7.37 min Scan# 899

Delta R.T. -0.01 min

Lab File: BF120913.D

Acq: 17 Jul 2020 10:22

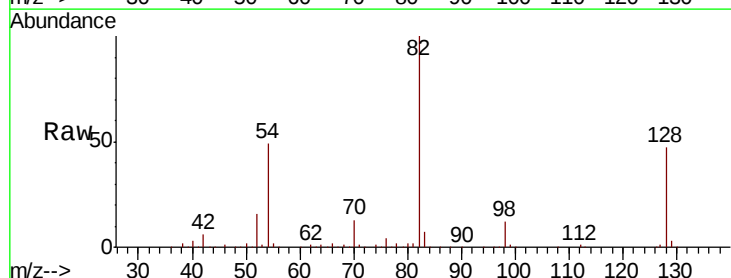
Tgt Ion: 82 Resp: 903372

Ion Ratio Lower Upper

82 100

128 47.1 38.2 57.4

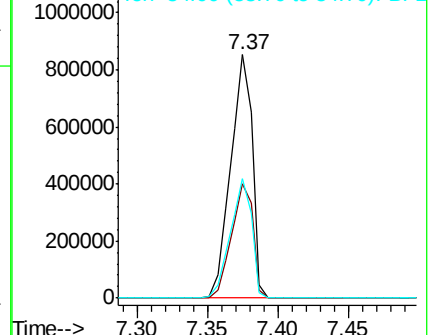
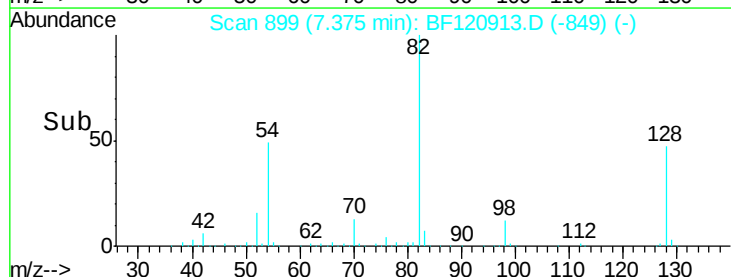
54 48.8 38.7 58.1



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: 38.630 ng

RT: 7.37 min Scan# 899

Delta R.T. -0.26 min

Lab File: BF120913.D

Acq: 17 Jul 2020 10:22

Instrument :

BNA_F

ClientSampleId :

PB130249BL

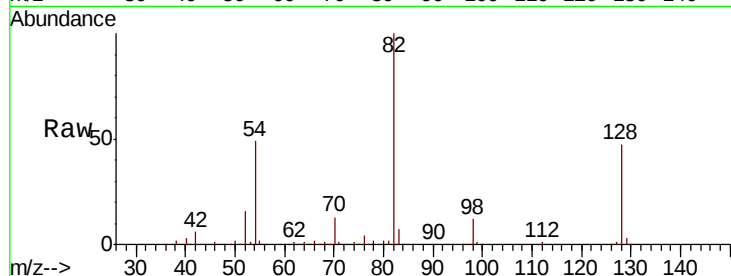
Tot Ion: 82 Resp: 897720

Ion Ratio Lower Upper

82 100

95 0.0 5.5 8.3#

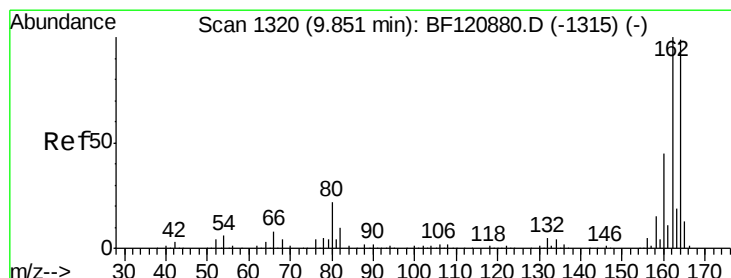
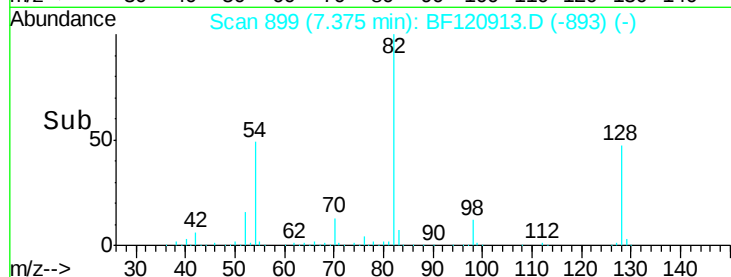
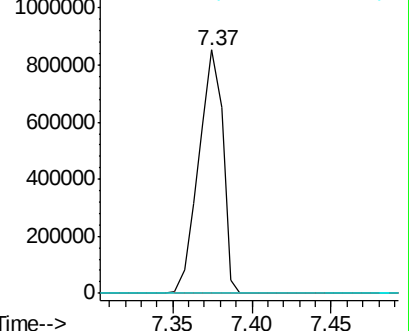
138 0.0 15.6 23.4#



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# 1320

Delta R.T. 0.00 min

Lab File: BF120913.D

Acq: 17 Jul 2020 10:22

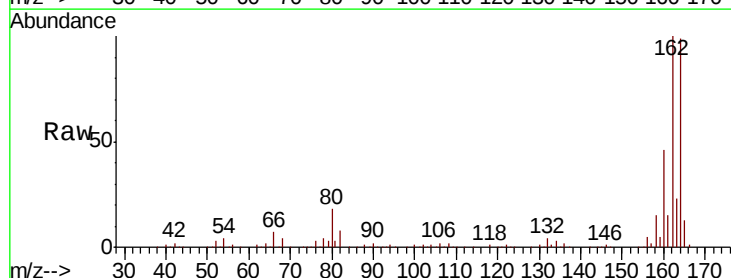
Tgt Ion: 164 Resp: 342111

Ion Ratio Lower Upper

164 100

162 101.4 81.2 121.8

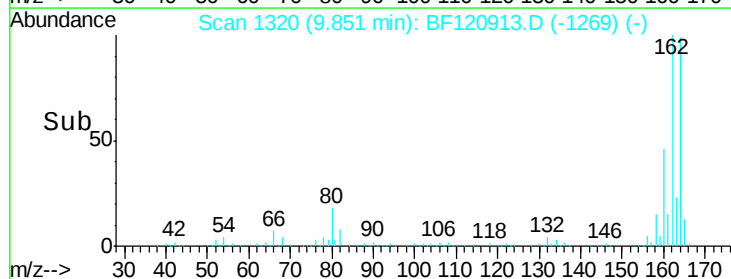
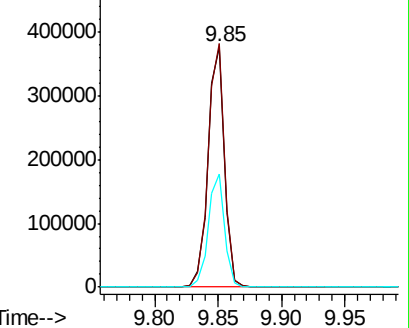
160 47.1 36.9 55.3

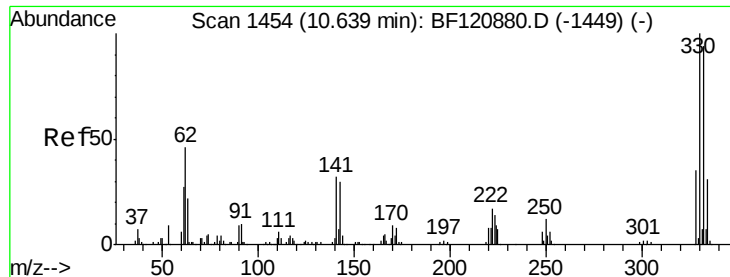


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#42

2,4,6-Tribromophenol

Concen: 106.366 ng

RT: 10.64 min Scan# 1454

Delta R.T. 0.00 min

Lab File: BF120913.D

Acq: 17 Jul 2020 10:22

Instrument :

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ClientSampleId :

PB130249BL

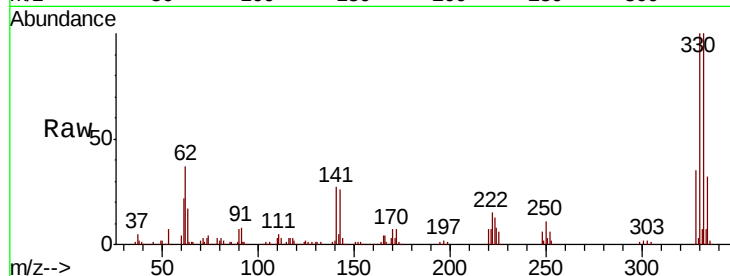
Tot Ion:330 Resp: 398315

Ion Ratio Lower Upper

330 100

332 97.3 75.5 113.3

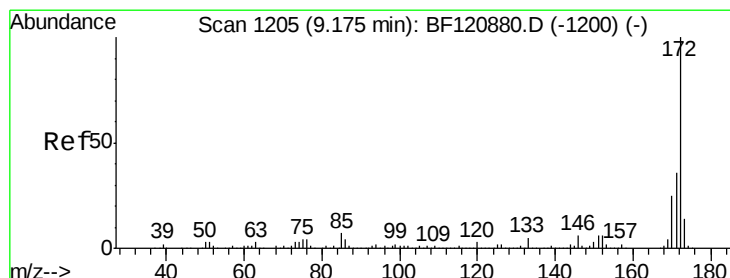
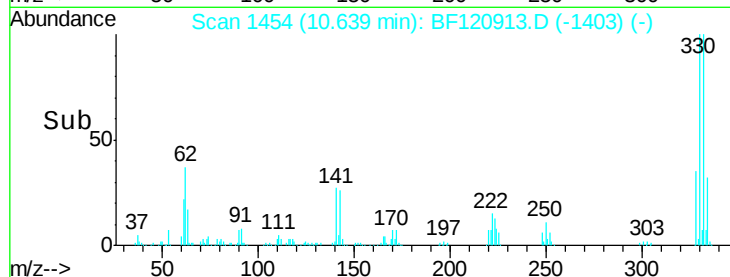
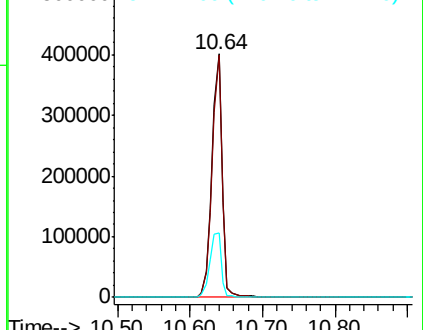
141 30.1 25.7 38.5



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: 69.245 ng

RT: 9.17 min Scan# 1205

Delta R.T. 0.00 min

Lab File: BF120913.D

Acq: 17 Jul 2020 10:22

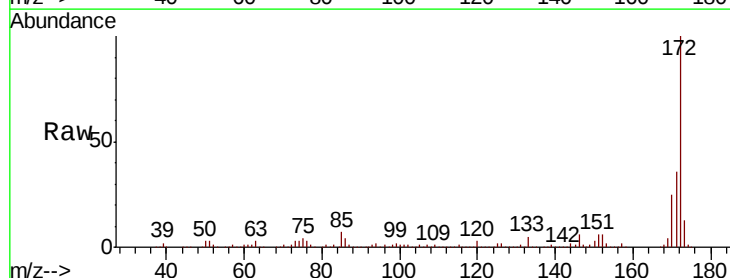
Tgt Ion:172 Resp: 1586664

Ion Ratio Lower Upper

172 100

171 36.4 29.0 43.4

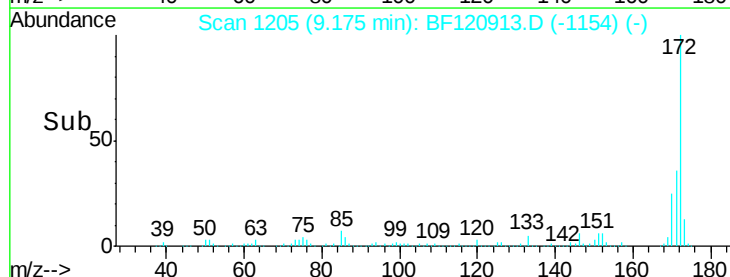
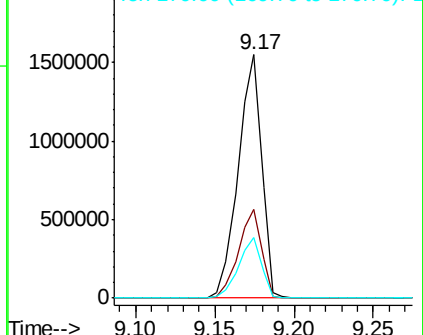
170 24.6 19.6 29.4

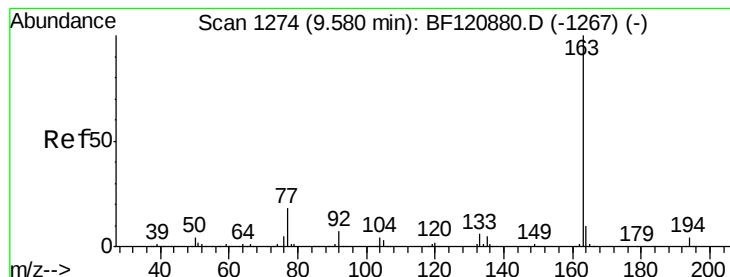


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#50

Dimethylphthalate

Concen: 3.072 ng

RT: 9.85 min Scan# 1320

Delta R.T. 0.27 min

Lab File: BF120913.D

Acq: 17 Jul 2020 10:22

Instrument :

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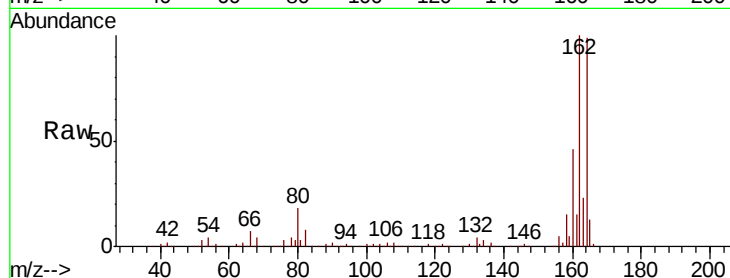
Tot Ion:163 Resp: 75829

Ion Ratio Lower Upper

163 100

194 0.0 3.2 4.8#

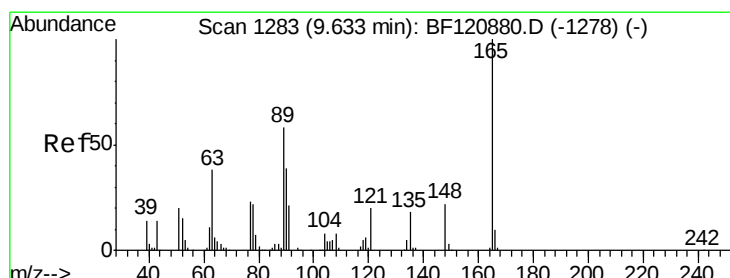
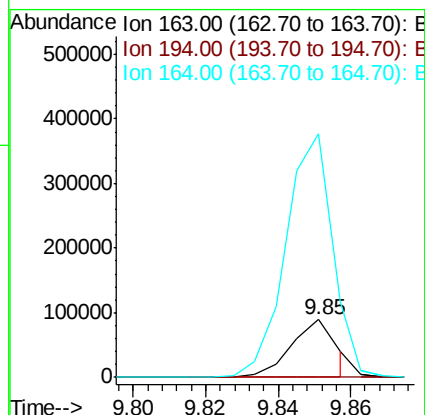
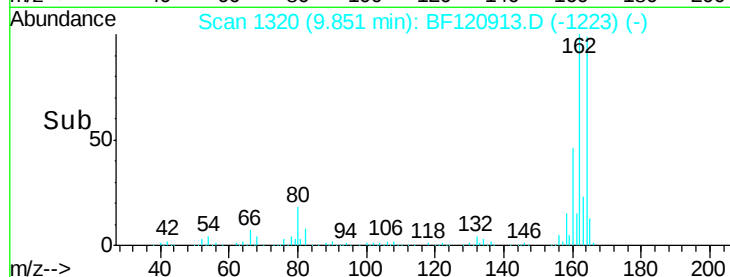
164 423.6 7.9 11.9#



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



#51

2,6-Dinitrotoluene

Concen: 8.370 ng

RT: 9.85 min Scan# 1320

Delta R.T. 0.22 min

Lab File: BF120913.D

Acq: 17 Jul 2020 10:22

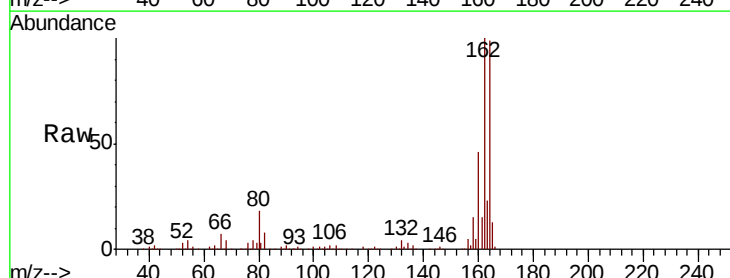
Tgt Ion:165 Resp: 44382

Ion Ratio Lower Upper

165 100

63 0.8 45.4 68.2#

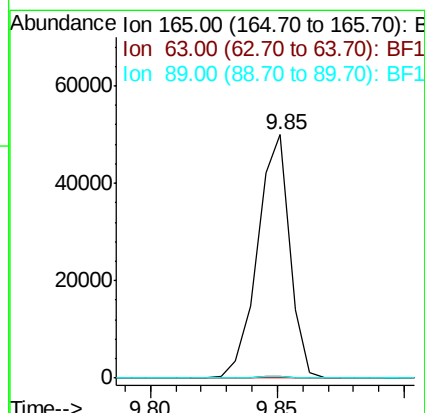
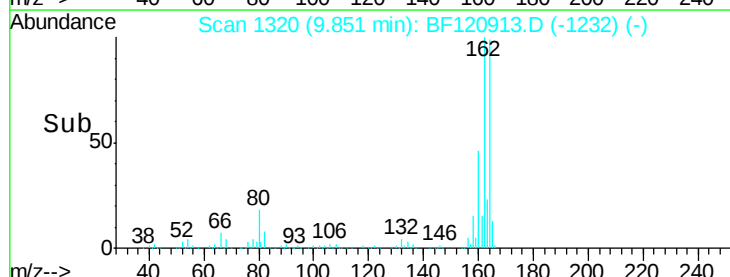
89 0.8 47.0 70.4#

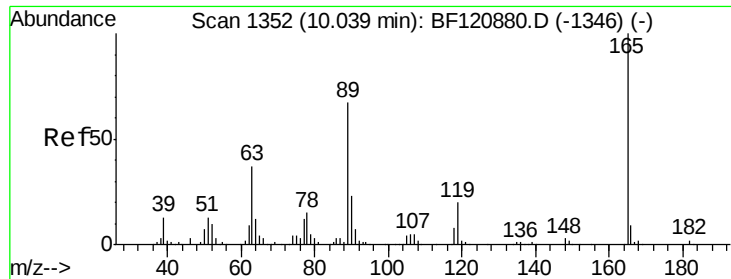


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

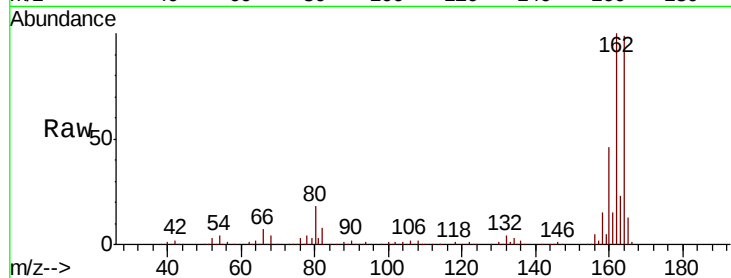




#57
 2,4-Dinitrotoluene
 Concen: 6.374 ng
 RT: 9.85 min Scan# 1320
 Delta R.T. -0.19 min
 Lab File: BF120913.D
 Acq: 17 Jul 2020 10:22

Instrument :
 BNA_F
 ClientSampleId :
 PB130249BL

Tot Ion:165	Resp:	44382
Ion Ratio	Lower	Upper
165	100	
63	0.8	29.4 44.2#
89	0.8	53.4 80.0#
182	0.0	1.8 2.6#

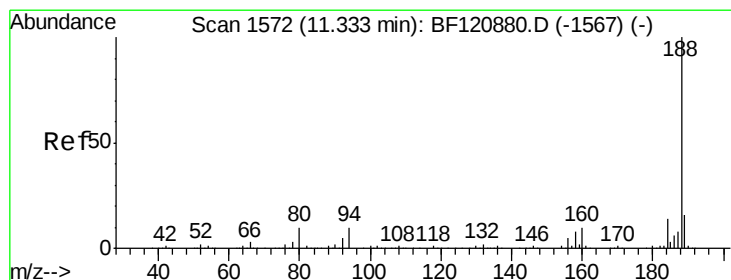
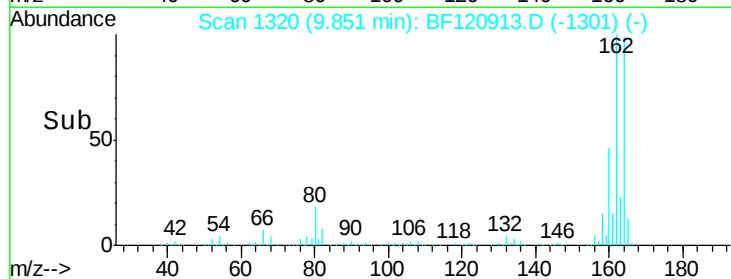
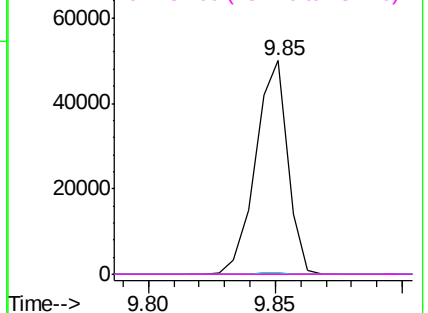


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

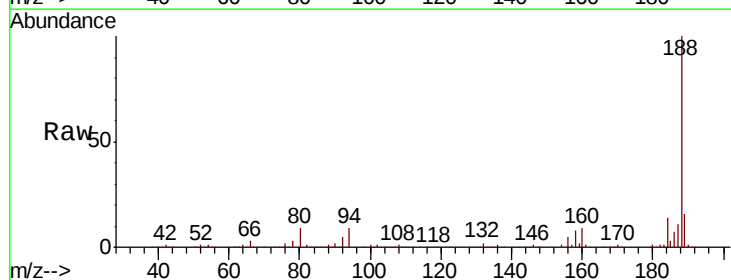
Ion 89.00 (88.70 to 89.70): BF1

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: BF120913.D
 Acq: 17 Jul 2020 10:22

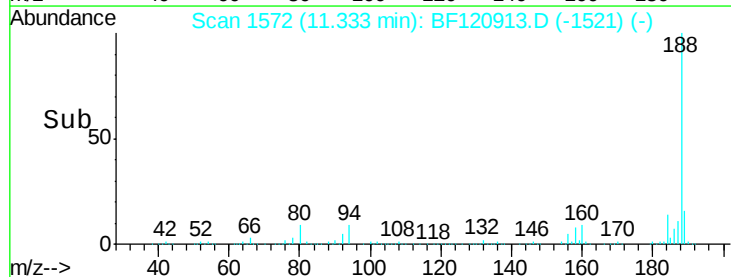
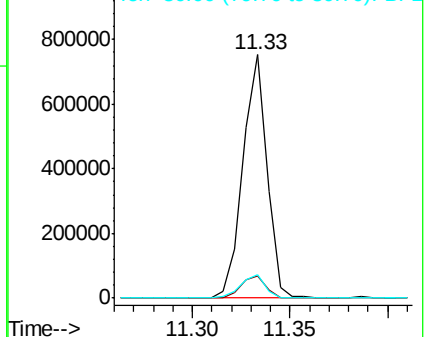
Tgt Ion:188	Resp:	648068
Ion Ratio	Lower	Upper
188	100	
94	9.3	8.0 12.0
80	9.4	8.3 12.5

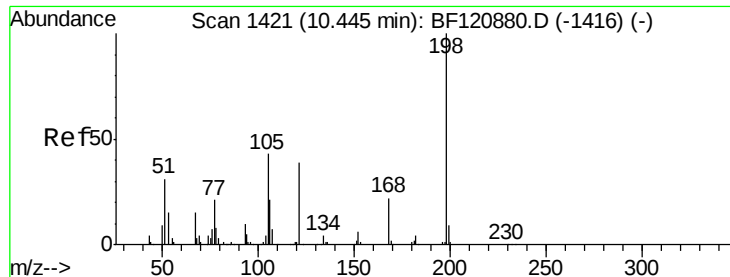


Abundance Ion 188.00 (187.70 to 188.70): E

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: 4.049 ng

RT: 10.64 min Scan# 1454

Delta R.T. 0.19 min

Lab File: BF120913.D

Acq: 17 Jul 2020 10:22

Instrument :

BNA_F

ClientSampleId :

PB130249BL

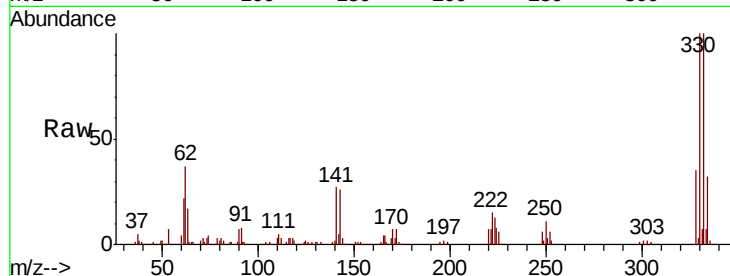
Tot Ion:198 Resp: 842

Ion Ratio Lower Upper

198 100

51 108.8 19.5 59.5#

105 119.3 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

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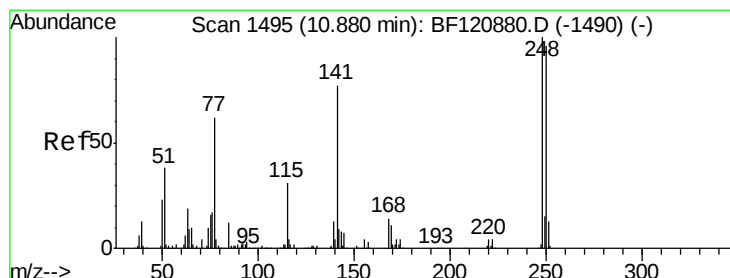
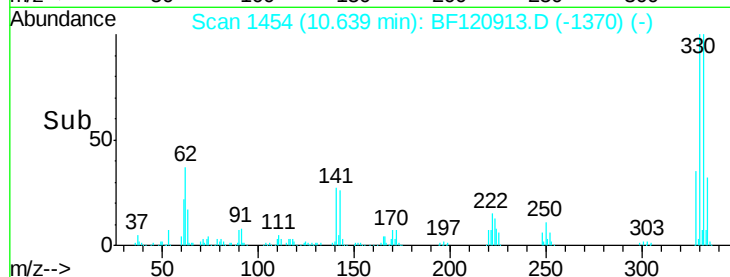
10.64

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10.64



#67

4-Bromophenyl-phenylether

Concen: 3.276 ng

RT: 10.64 min Scan# 1454

Delta R.T. -0.24 min

Lab File: BF120913.D

Acq: 17 Jul 2020 10:22

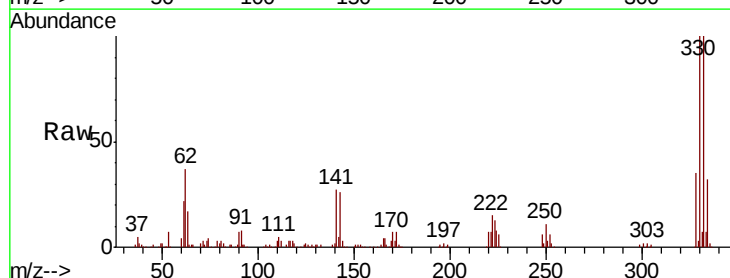
Tgt Ion:248 Resp: 23672

Ion Ratio Lower Upper

248 100

250 189.5 77.1 115.7#

141 452.6 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

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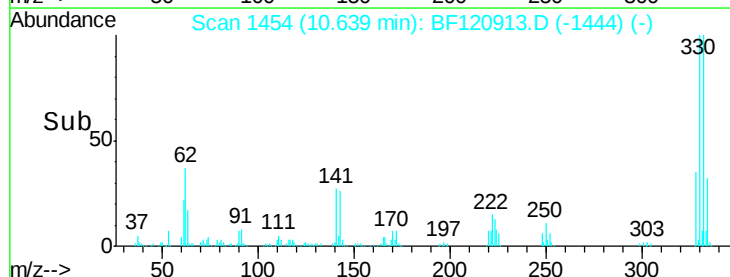
10.64

10.64

10.64

10.64

10.64





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.97 min Scan# 2020

Delta R.T. -0.01 min

Lab File: BF120913.D

Acq: 17 Jul 2020 10:22

Instrument :

BNA_F

ClientSampleId :

PB130249BL

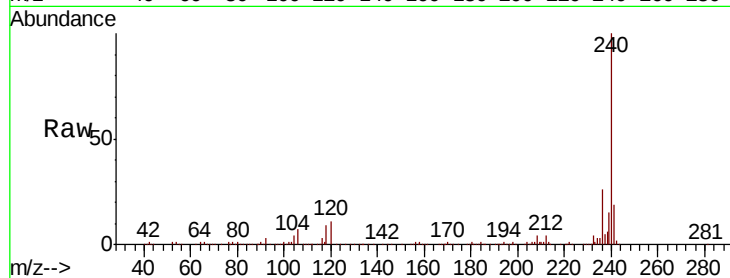
Tot Ion:240 Resp: 517353

Ion Ratio Lower Upper

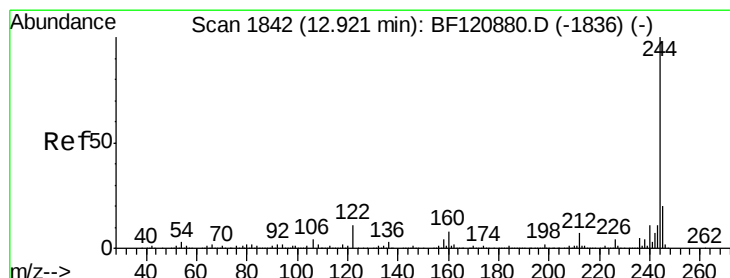
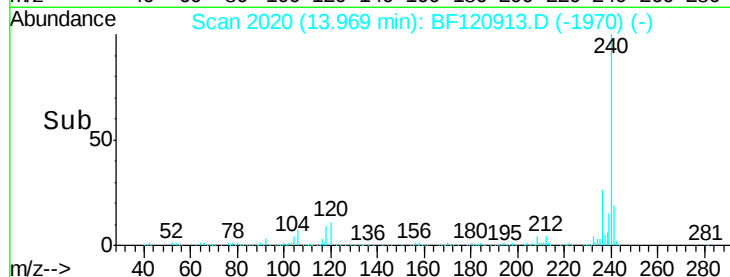
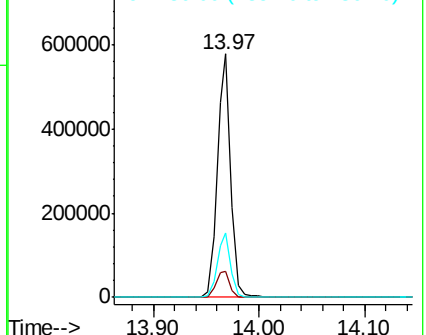
240 100

120 10.5 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: 66.129 ng

RT: 12.92 min Scan# 1842

Delta R.T. 0.00 min

Lab File: BF120913.D

Acq: 17 Jul 2020 10:22

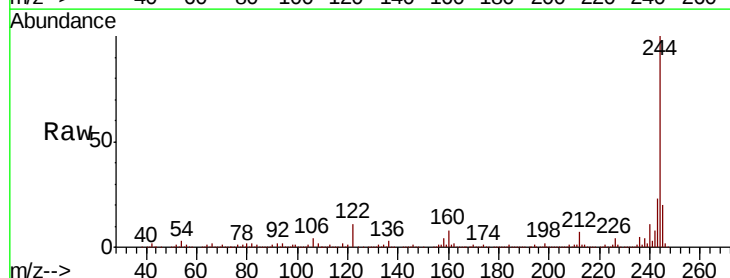
Tgt Ion:244 Resp: 1573852

Ion Ratio Lower Upper

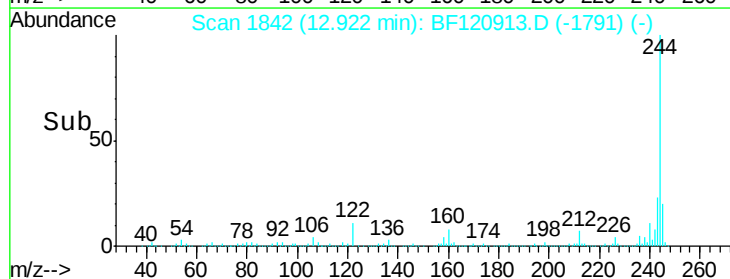
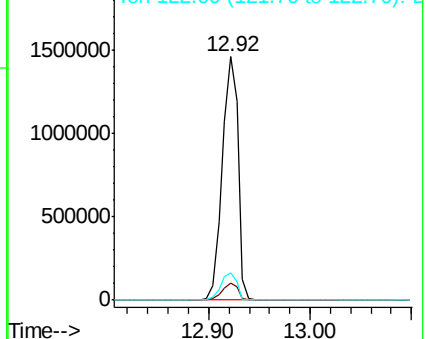
244 100

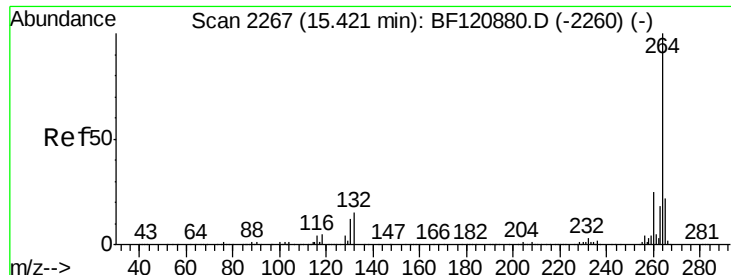
212 7.2 5.6 8.4

122 11.1 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

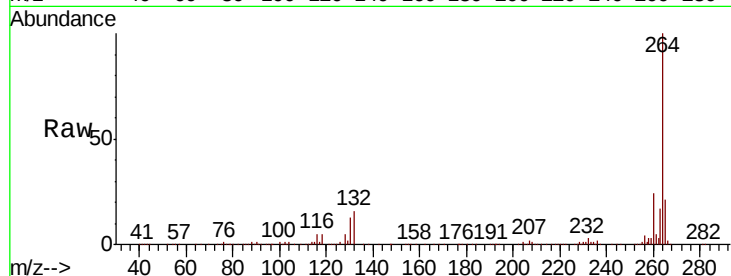




#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.42 min Scan# 2266
 Delta R.T. -0.01 min
 Lab File: BF120913.D
 Acq: 17 Jul 2020 10:22

Instrument :
 BNA_F
 ClientSampleId :
 PB130249BL

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.3	20.0	30.0
265	21.0	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

