

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100220\
 Data File : BF121791.D
 Acq On : 2 Oct 2020 13:36
 Operator : JU/CG
 Sample : L3863-09
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HD-02-093020

Quant Time: Oct 02 14:01:17 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 01 14:29:14 2020
 Response via : Initial Calibration

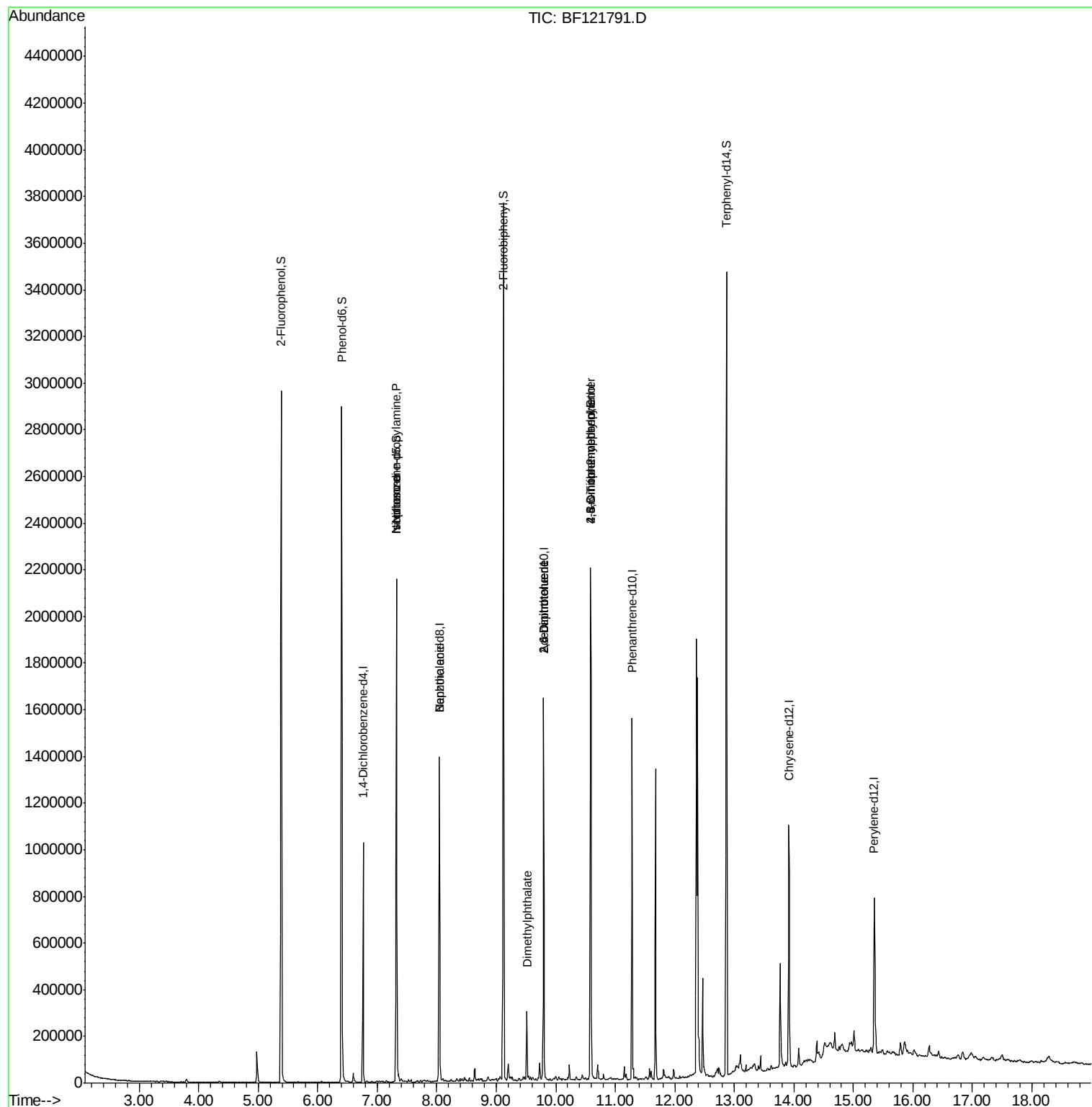
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.76	152	153524	20.00	ng	0.00
21) Naphthalene-d8	8.05	136	598546	20.00	ng	-0.01
39) Acenaphthene-d10	9.80	164	304382	20.00	ng	-0.01
64) Phenanthrene-d10	11.28	188	535191	20.00	ng	-0.01
76) Chrysene-d12	13.92	240	330354	20.00	ng	-0.02
86) Perylene-d12	15.35	264	299790	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.39	112	801732	77.61	ng	0.00
7) Phenol-d6	6.40	99	1032565	76.19	ng	-0.01
23) Nitrobenzene-d5	7.33	82	712042	63.87	ng	-0.01
42) 2,4,6-Tribromophenol	10.59	330	298091	78.80	ng	-0.01
45) 2-Fluorobiphenyl	9.12	172	1207018	60.06	ng	-0.01
79) Terphenyl-d14	12.87	244	1040243	63.79	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.33	70	94842	12.142	ng	# 80
25) Isophorone	7.33	82	706610	31.488	ng	# 67
32) Benzoic acid	8.05	122	122	6.950	ng	# 1
50) Dimethylphthalate	9.52	163	110055	4.989	ng	100
51) 2,6-Dinitrotoluene	9.80	165	39183	8.340	ng	# 20
57) 2,4-Dinitrotoluene	9.80	165	39183	6.629	ng	# 20
65) 4,6-Dinitro-2-methylphenol	10.59	198	661	7.025	ng	# 1
67) 4-Bromophenyl-phenylether	10.59	248	17336	2.845	ng	# 1

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

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 01 14:29:14 2020
Response via : Initial Calibration



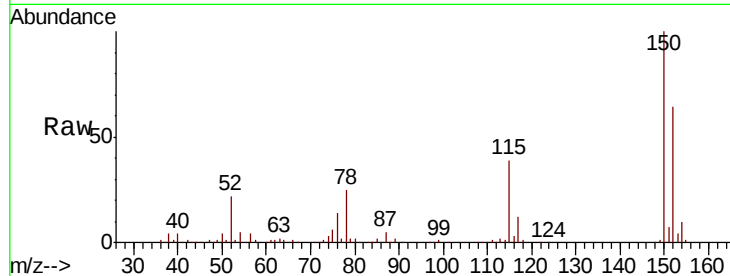


#1

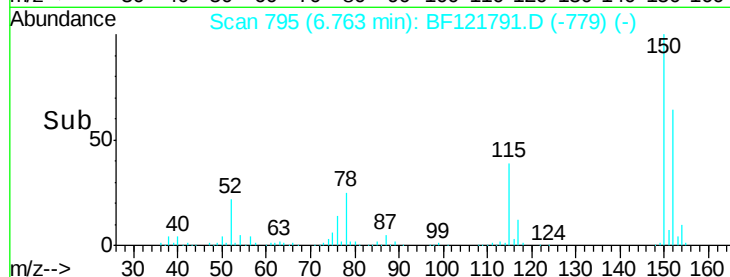
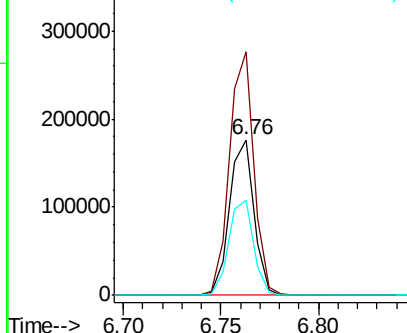
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.76 min Scan# 795
Delta R.T. -0.01 min
Lab File: BF121791.D
Acq: 2 Oct 2020 13:36

Instrument :
BNA_F
ClientSampleId :
HD-02-093020

Tot Ion:152 Resp: 153524
Ion Ratio Lower Upper
152 100
150 156.2 125.3 187.9
115 61.0 51.9 77.9



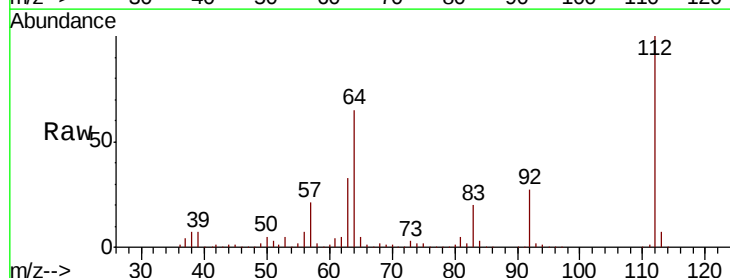
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



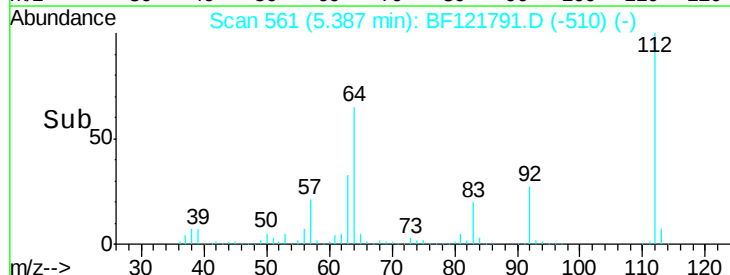
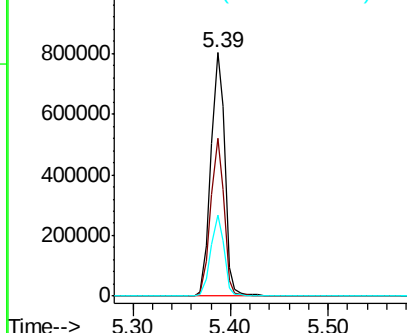
#5

2-Fluorophenol
Concen: 77.608 ng
RT: 5.39 min Scan# 561
Delta R.T. 0.00 min
Lab File: BF121791.D
Acq: 2 Oct 2020 13:36

Tgt Ion:112 Resp: 801732
Ion Ratio Lower Upper
112 100
64 65.0 50.4 75.6
63 33.3 25.8 38.6



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: 76.187 ng

RT: 6.40 min Scan# 734

Delta R.T. -0.01 min

Lab File: BF121791.D

Acq: 2 Oct 2020 13:36

Instrument :

BNA_F

ClientSampleId :

HD-02-093020

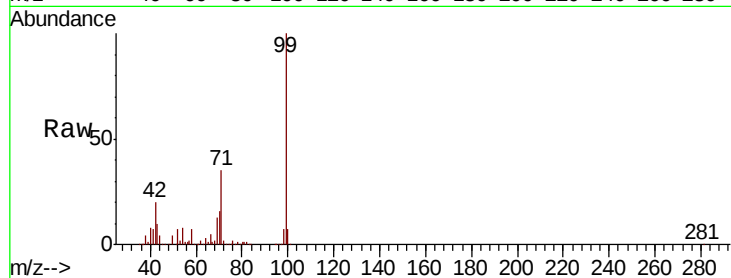
Tot Ion: 99 Resp: 1032565

Ion Ratio Lower Upper

99 100

42 20.1 15.9 23.9

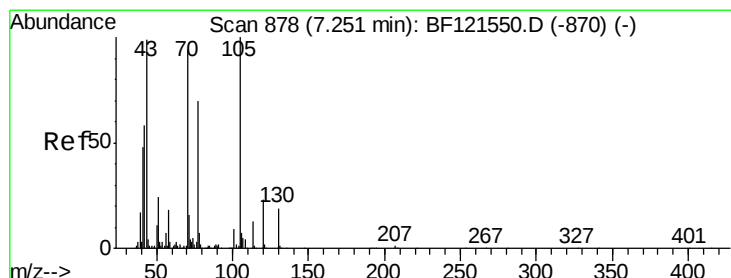
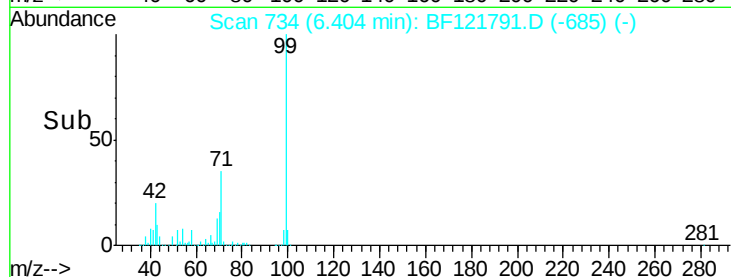
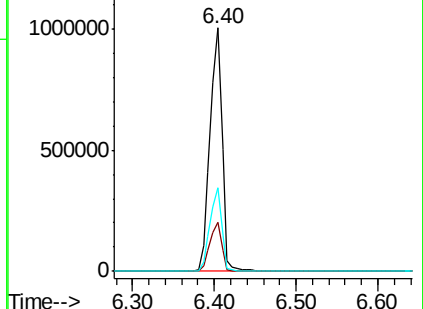
71 34.5 27.1 40.7



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: 12.142 ng

RT: 7.33 min Scan# 891

Delta R.T. 0.14 min

Lab File: BF121791.D

Acq: 2 Oct 2020 13:36

Tgt Ion: 70 Resp: 94842

Ion Ratio Lower Upper

70 100

42 51.9 50.2 75.4

101 0.0 7.5 11.3#

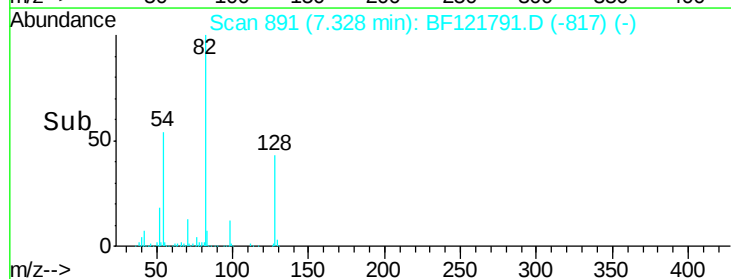
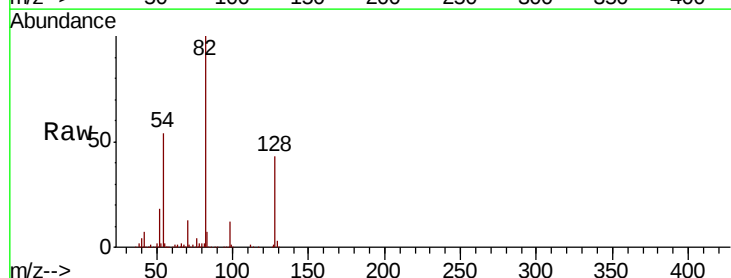
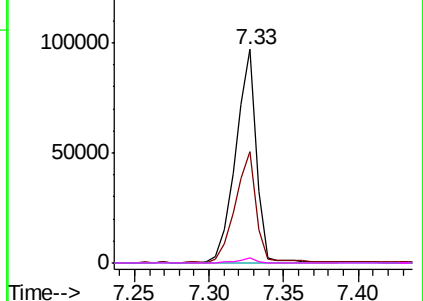
130 2.2 15.5 23.3#

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

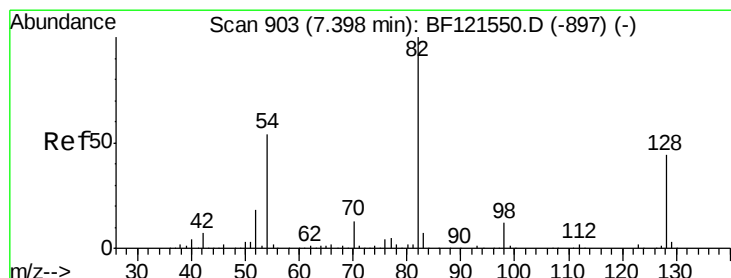
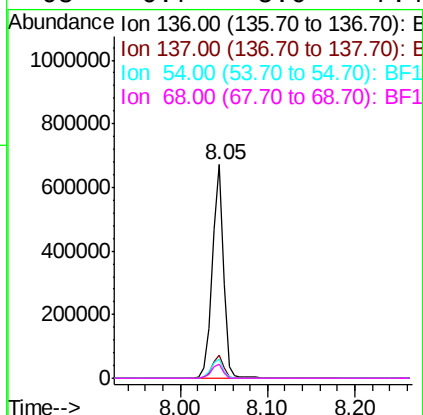
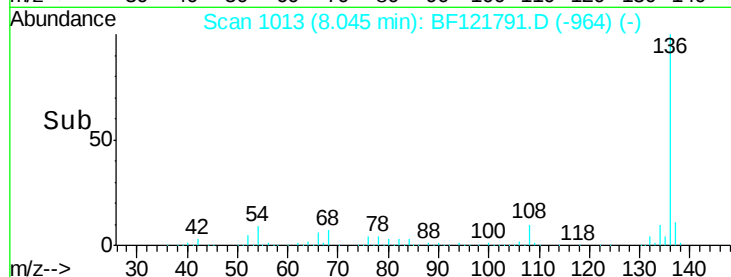
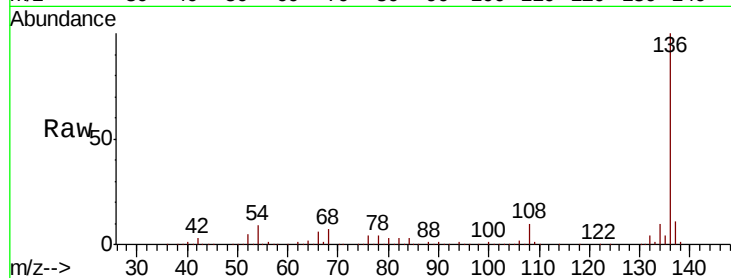




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.05 min Scan# 1013
Delta R.T. -0.01 min
Lab File: BF121791.D
Acq: 2 Oct 2020 13:36

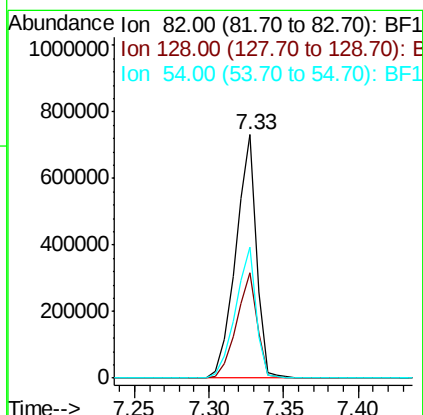
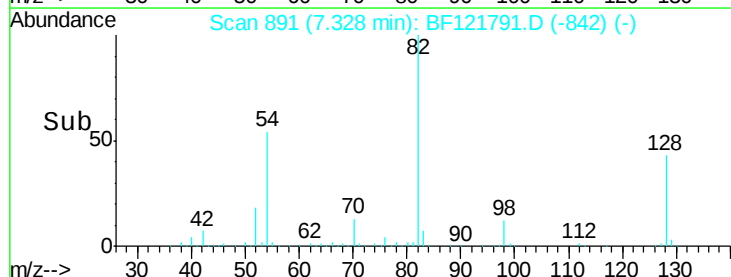
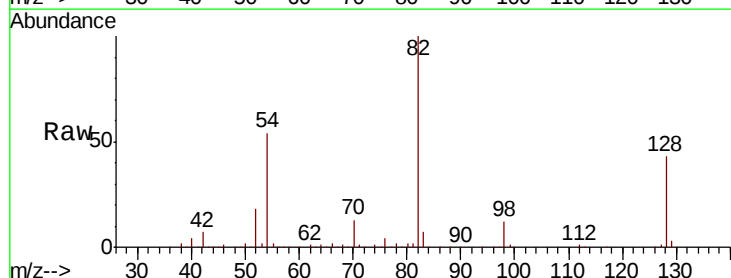
Instrument :
BNA_F
ClientSampleId :
HD-02-093020

Tot Ion:136	Resp:	598546
Ion Ratio	Lower	Upper
136	100	
137	10.9	8.6 13.0
54	9.2	7.1 10.7
68	6.7	5.0 7.4



#23
Nitrobenzene-d5
Concen: 63.873 ng
RT: 7.33 min Scan# 891
Delta R.T. -0.01 min
Lab File: BF121791.D
Acq: 2 Oct 2020 13:36

Tgt Ion: 82	Resp:	712042
Ion Ratio	Lower	Upper
82	100	
128	43.2	35.0 52.4
54	53.9	43.9 65.9





#25

Isophorone

Concen: 31.488 ng

RT: 7.33 min Scan# 891

Delta R.T. -0.27 min

Lab File: BF121791.D

Acq: 2 Oct 2020 13:36

Instrument :

BNA_F

ClientSampleId :

HD-02-093020

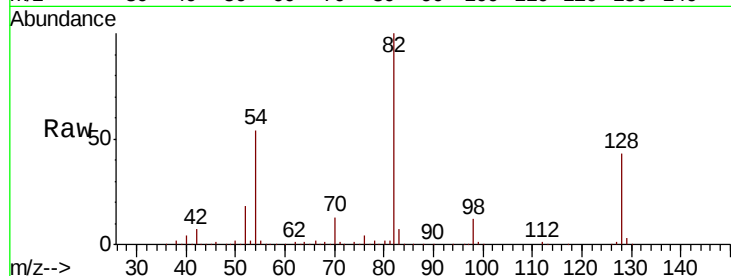
Tot Ion: 82 Resp: 706610

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.0#

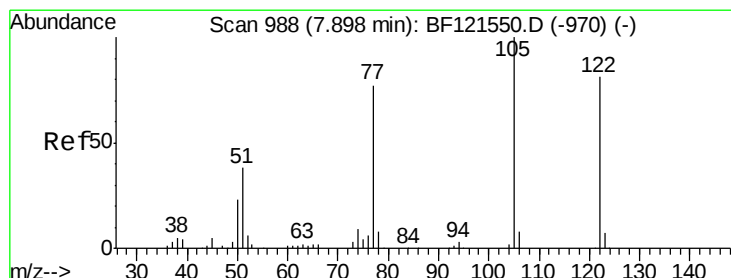
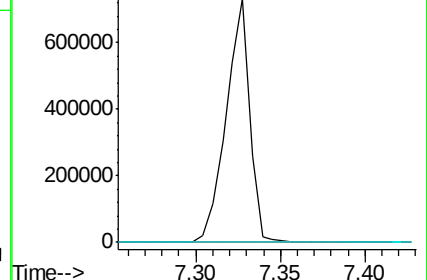
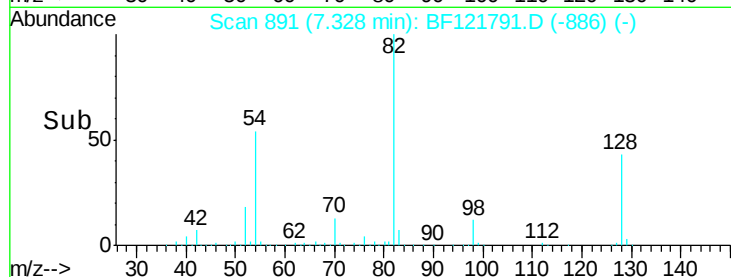
138 0.0 13.4 20.0#



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



#32

Benzoic acid

Concen: 6.950 ng

RT: 8.05 min Scan# 1013

Delta R.T. 0.19 min

Lab File: BF121791.D

Acq: 2 Oct 2020 13:36

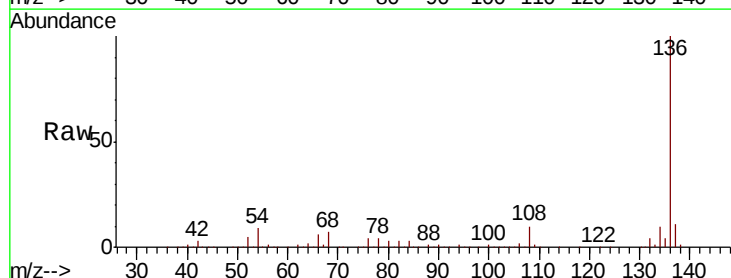
Tgt Ion: 122 Resp: 122

Ion Ratio Lower Upper

122 100

105 222.8 103.3 143.3#

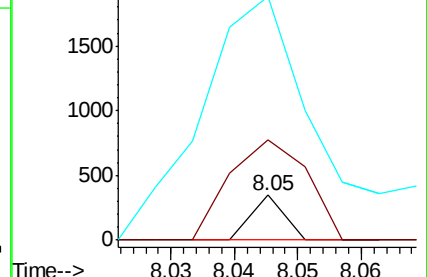
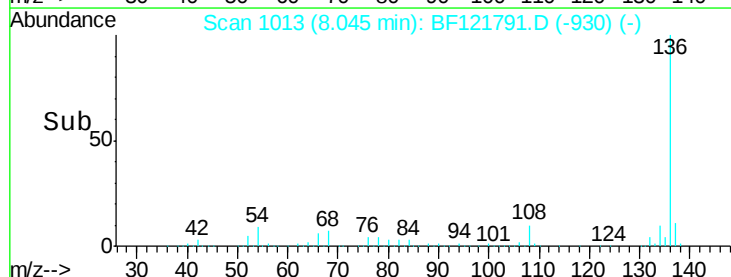
77 542.1 73.9 113.9#

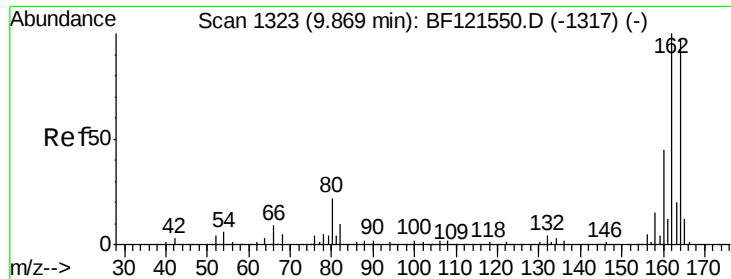


Abundance Ion 122.00 (121.70 to 122.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 77.00 (76.70 to 77.70): BF1





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.80 min Scan# 1311

Delta R.T. -0.01 min

Lab File: BF121791.D

Acq: 2 Oct 2020 13:36

Instrument :

BNA_F

ClientSampleId :

HD-02-093020

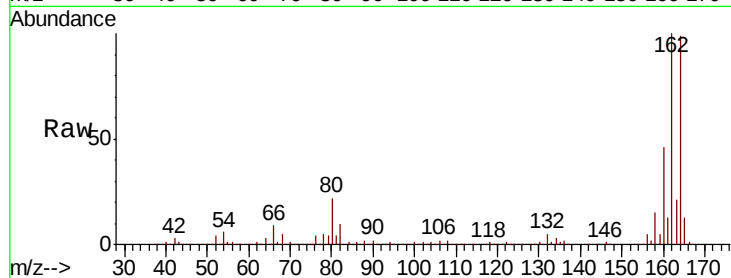
Tot Ion:164 Resp: 304382

Ion Ratio Lower Upper

164 100

162 100.8 83.2 124.8

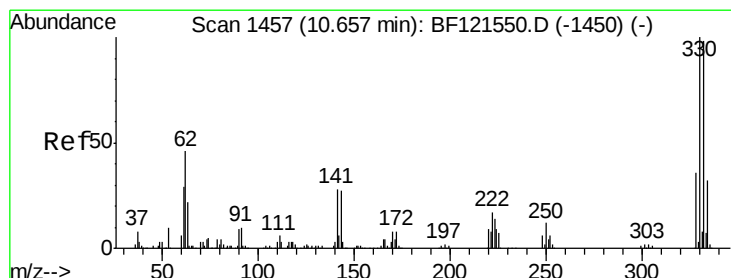
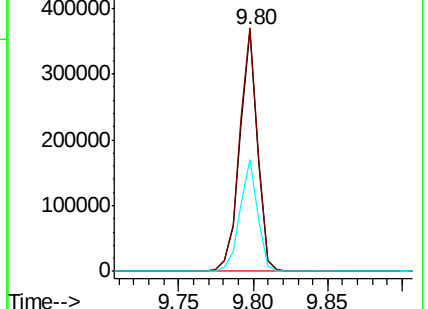
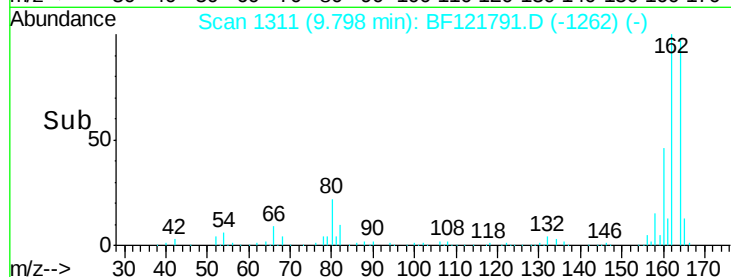
160 46.2 37.5 56.3



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: 78.796 ng

RT: 10.59 min Scan# 1446

Delta R.T. -0.01 min

Lab File: BF121791.D

Acq: 2 Oct 2020 13:36

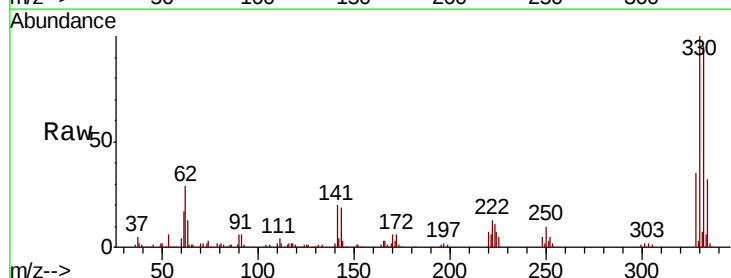
Tgt Ion:330 Resp: 298091

Ion Ratio Lower Upper

330 100

332 95.4 77.3 115.9

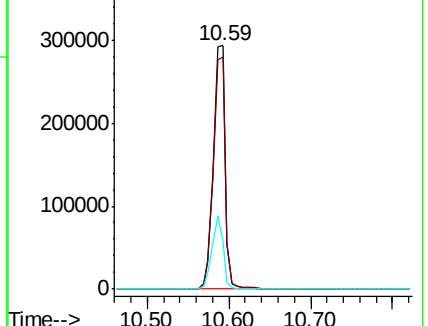
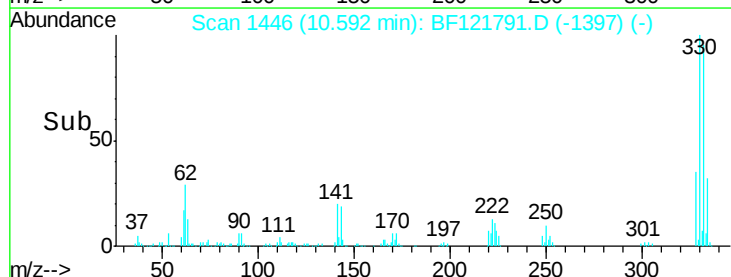
141 28.5 22.3 33.5

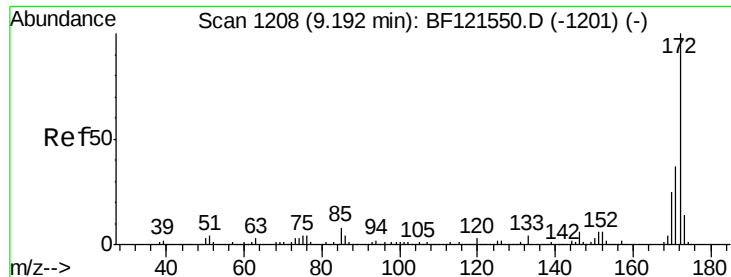


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

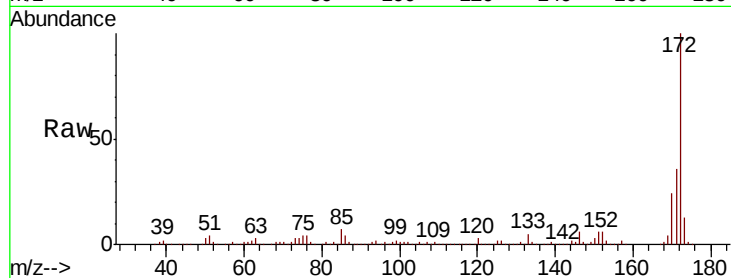




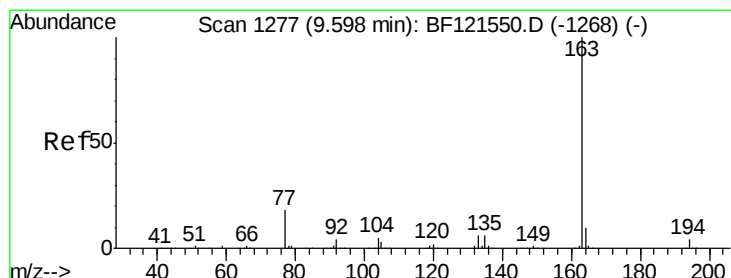
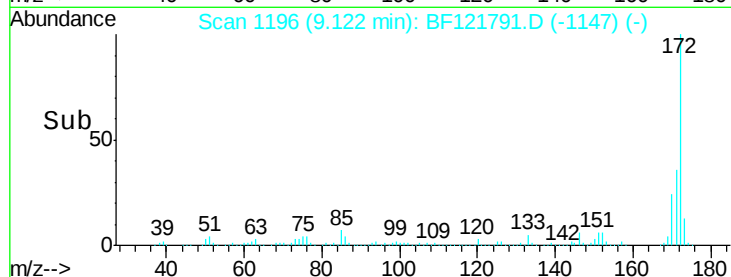
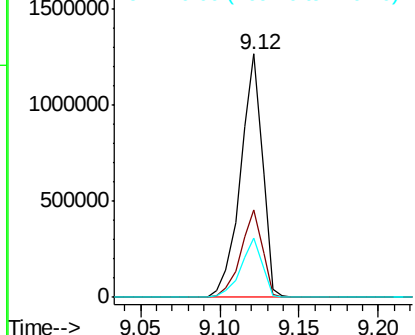
#45
2-Fluorobiphenyl
Concen: 60.058 ng
RT: 9.12 min Scan# 1196
Delta R.T. -0.01 min
Lab File: BF121791.D
Acq: 2 Oct 2020 13:36

Instrument :
BNA_F
ClientSampleId :
HD-02-093020

Tot Ion:172 Resp: 1207018
Ion Ratio Lower Upper
172 100
171 36.0 29.1 43.7
170 24.2 19.8 29.6

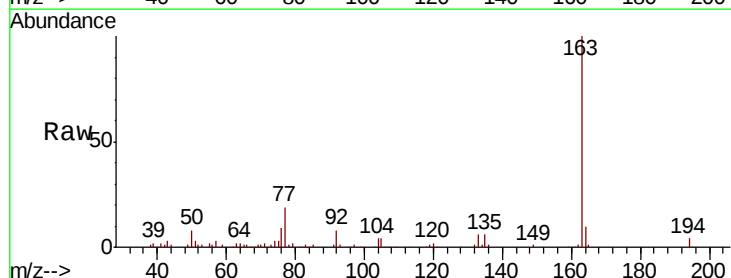


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

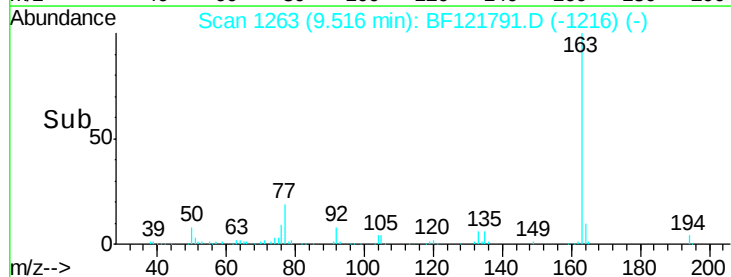
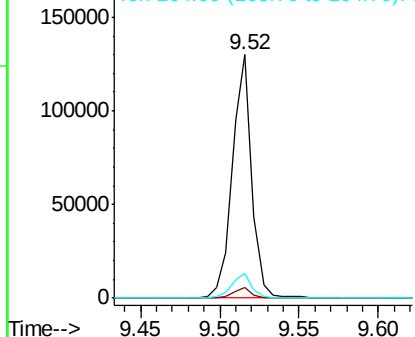


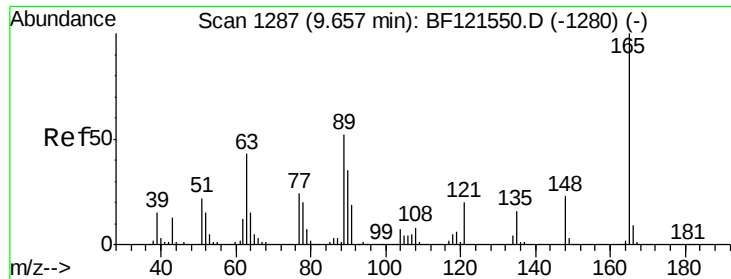
#50
Dimethylphthalate
Concen: 4.989 ng
RT: 9.52 min Scan# 1263
Delta R.T. -0.02 min
Lab File: BF121791.D
Acq: 2 Oct 2020 13:36

Tgt Ion:163 Resp: 110055
Ion Ratio Lower Upper
163 100
194 4.2 3.3 4.9
164 10.1 8.2 12.4



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

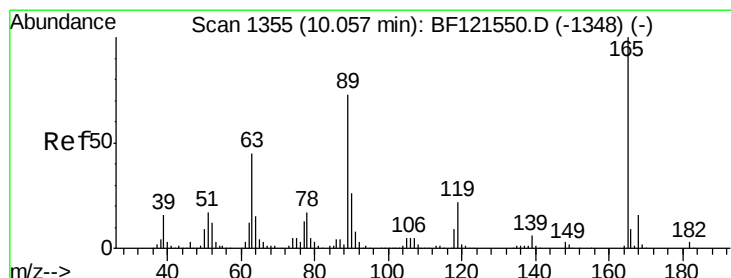
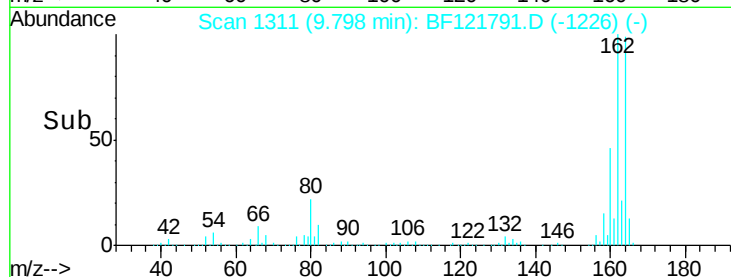
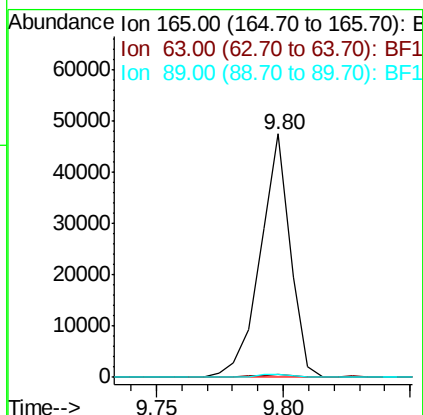
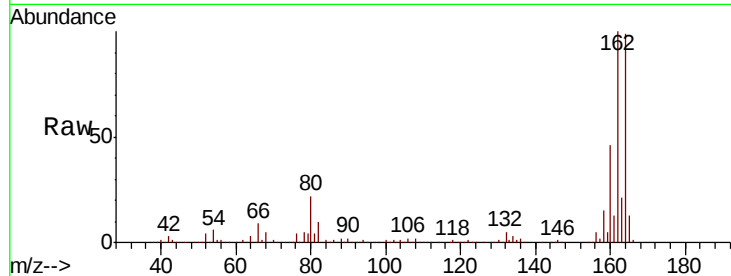




#51
 2,6-Dinitrotoluene
 Concen: 8.340 ng
 RT: 9.80 min Scan# 1311
 Delta R.T. 0.20 min
 Lab File: BF121791.D
 Acq: 2 Oct 2020 13:36

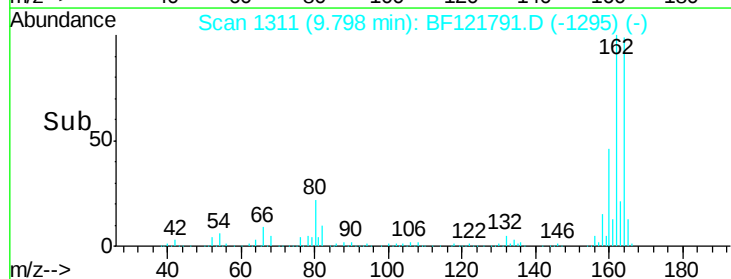
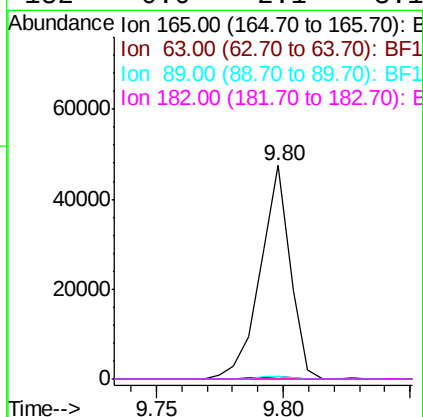
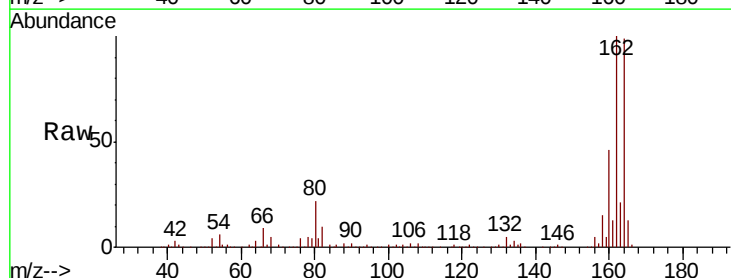
Instrument :
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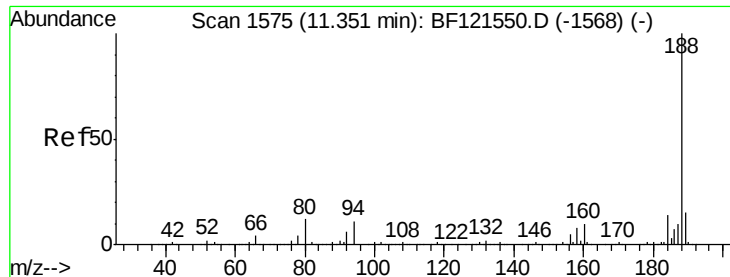
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.3	51.8	77.6#
89	1.3	49.0	73.6#



#57
 2,4-Dinitrotoluene
 Concen: 6.629 ng
 RT: 9.80 min Scan# 1311
 Delta R.T. -0.21 min
 Lab File: BF121791.D
 Acq: 2 Oct 2020 13:36

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.3	41.3	61.9#
89	1.3	61.8	92.8#
182	0.0	2.1	3.1#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.28 min Scan# 1563

Delta R.T. -0.01 min

Lab File: BF121791.D

Acq: 2 Oct 2020 13:36

Instrument :

BNA_F

ClientSampleId :

HD-02-093020

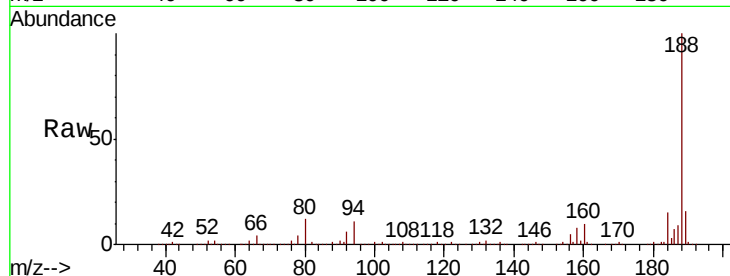
Tot Ion:188 Resp: 535191

Ion Ratio Lower Upper

188 100

94 10.9 8.3 12.5

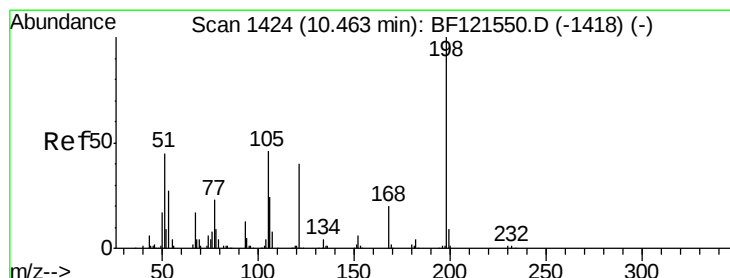
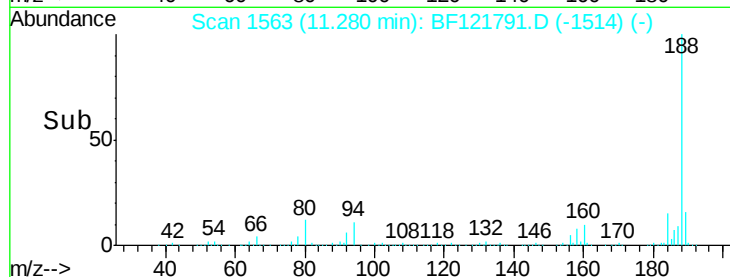
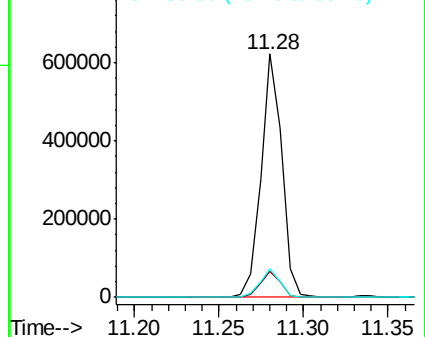
80 11.8 9.1 13.7



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: 7.025 ng

RT: 10.59 min Scan# 1445

Delta R.T. 0.17 min

Lab File: BF121791.D

Acq: 2 Oct 2020 13:36

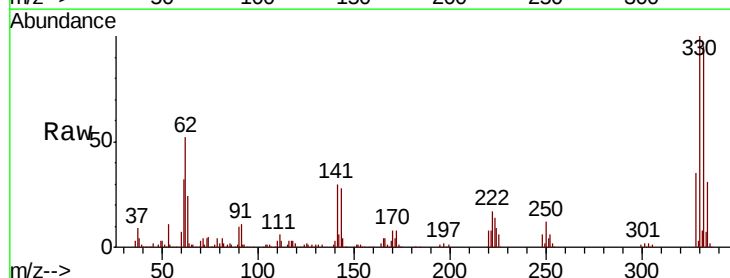
Tgt Ion:198 Resp: 661

Ion Ratio Lower Upper

198 100

51 164.3 29.6 69.6#

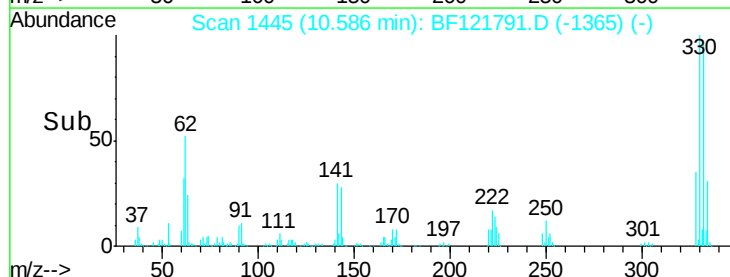
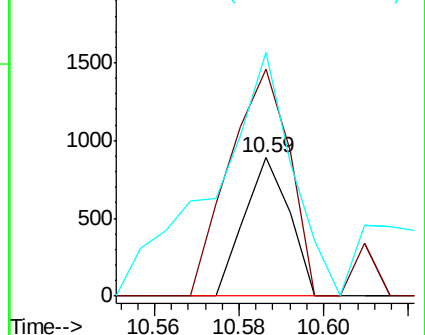
105 176.2 24.4 64.4#

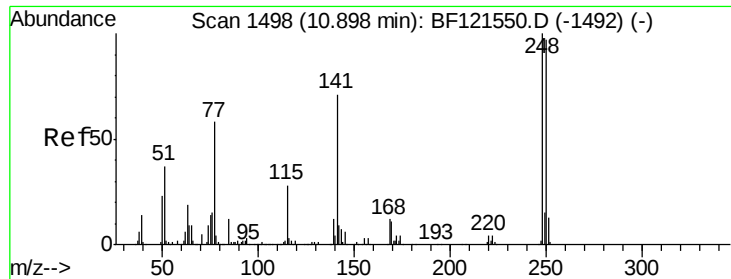


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

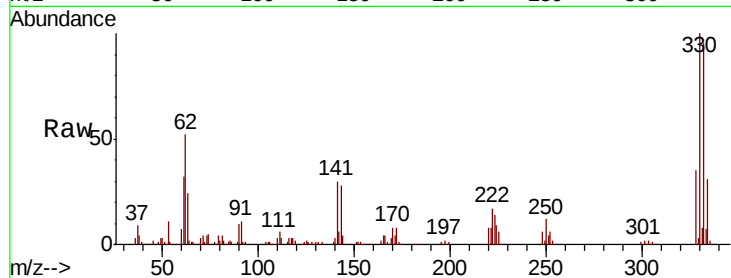




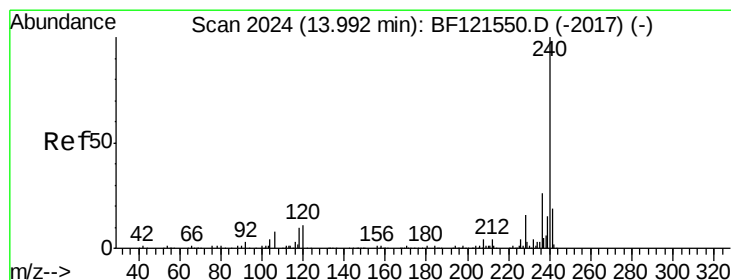
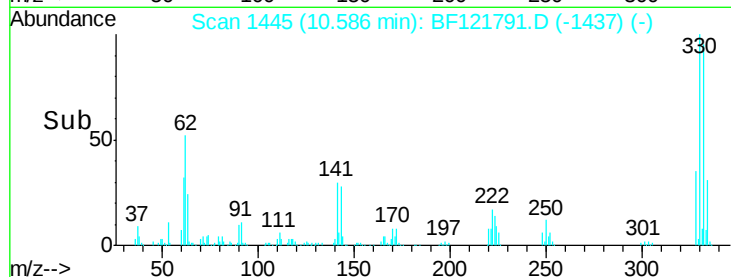
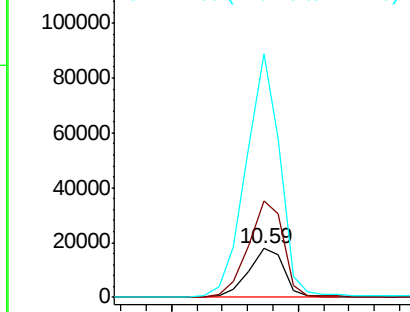
#67
 4-Bromophenyl-phenylether
 Concen: 2.845 ng
 RT: 10.59 min Scan# 1445
 Delta R.T. -0.25 min
 Lab File: BF121791.D
 Acq: 2 Oct 2020 13:36

Instrument :
 BNA_F
 ClientSampleId :
 HD-02-093020

Tot Ion:248 Resp: 17336
 Ion Ratio Lower Upper
 248 100
 250 198.4 77.0 115.6#
 141 500.0 53.7 80.5#

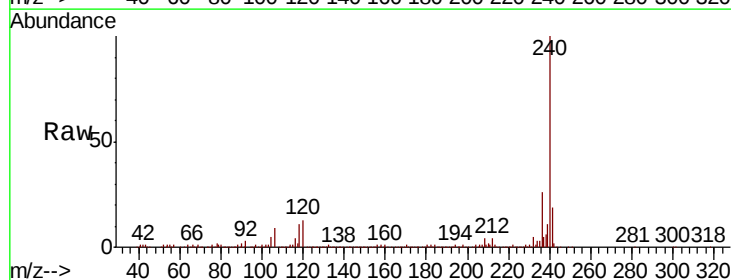


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

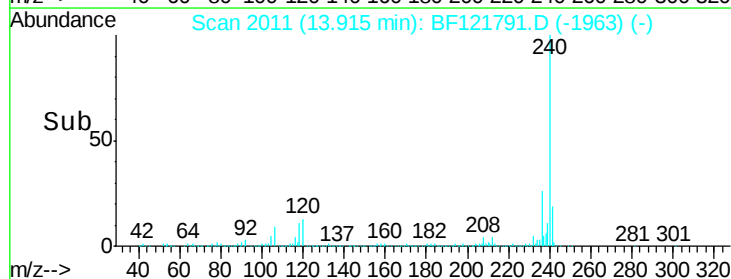
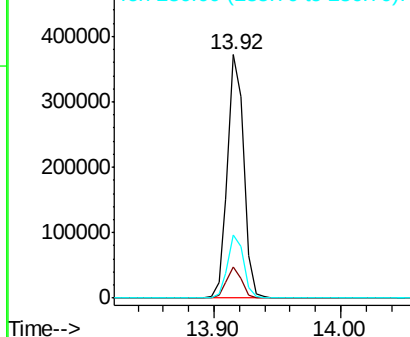


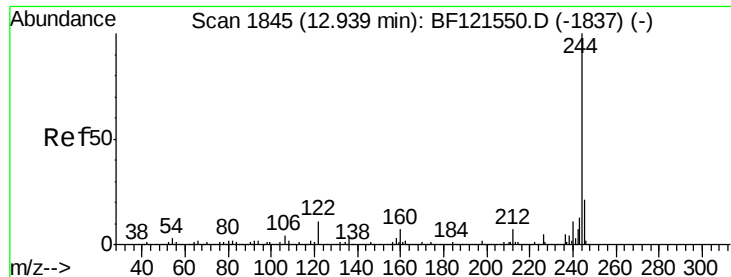
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.92 min Scan# 2011
 Delta R.T. -0.02 min
 Lab File: BF121791.D
 Acq: 2 Oct 2020 13:36

Tgt Ion:240 Resp: 330354
 Ion Ratio Lower Upper
 240 100
 120 12.7 9.2 13.8
 236 25.8 20.9 31.3



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: 63.793 ng

RT: 12.87 min Scan# 1833

Delta R.T. -0.01 min

Lab File: BF121791.D

Acq: 2 Oct 2020 13:36

Instrument :

BNA_F

ClientSampleId :

HD-02-093020

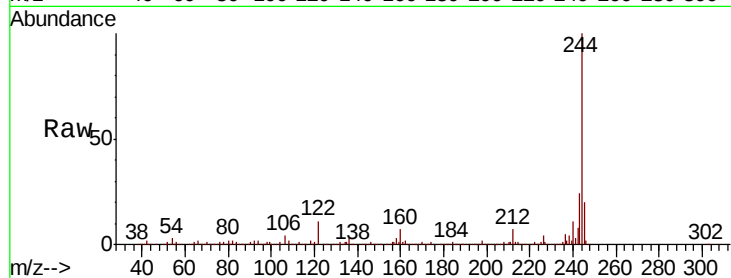
Tot Ion:244 Resp: 1040243

Ion Ratio Lower Upper

244 100

212 7.1 5.4 8.2

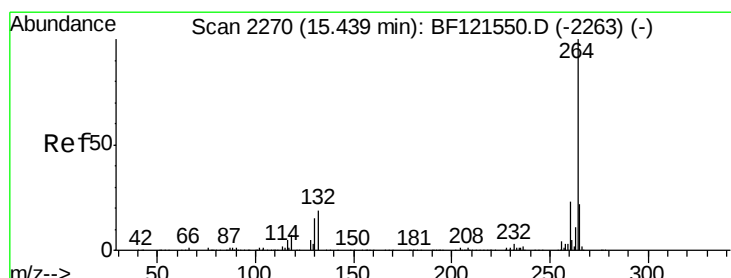
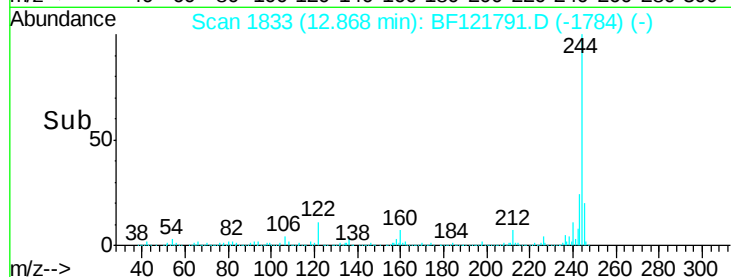
122 11.3 8.1 12.1



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: 15.35 min Scan# 2255

Delta R.T. -0.01 min

Lab File: BF121791.D

Acq: 2 Oct 2020 13:36

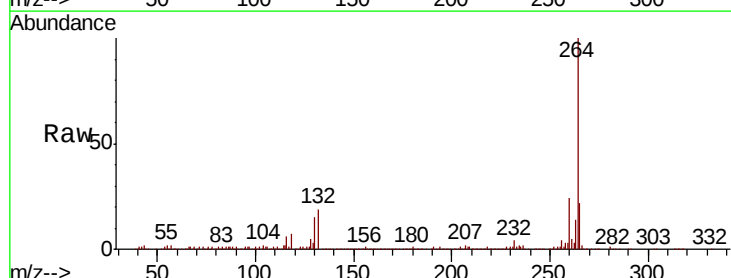
Tgt Ion:264 Resp: 299790

Ion Ratio Lower Upper

264 100

260 24.1 18.7 28.1

265 21.5 17.3 25.9



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

