

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF093020\
 Data File : BF121752.D
 Acq On : 30 Sep 2020 22:07
 Operator : JU/CG
 Sample : L4190-05
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PAV-B14-092920-10-16

Quant Time: Oct 01 00:38:16 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 29 11:12:14 2020
 Response via : Initial Calibration

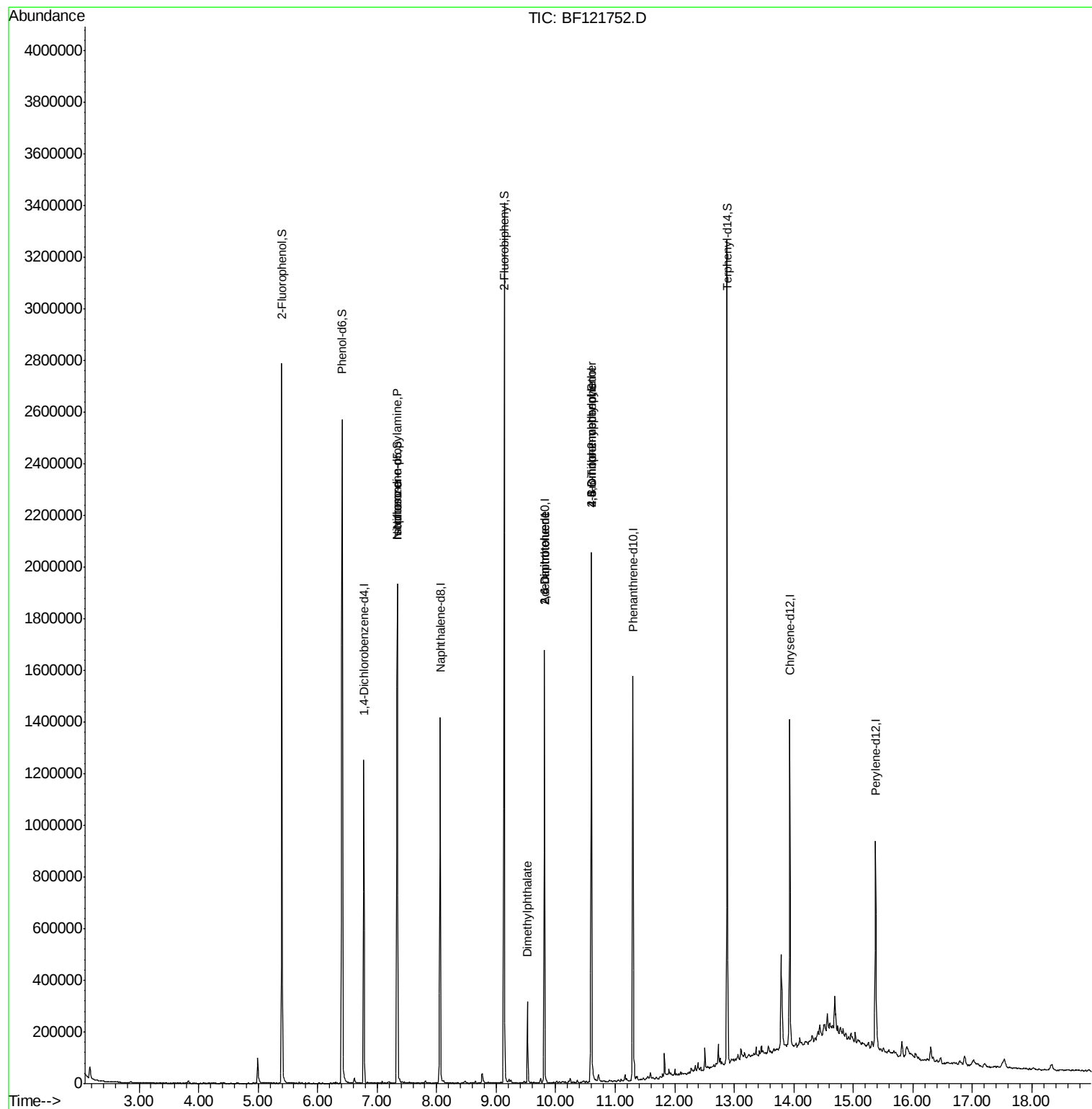
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.77	152	166798	20.00	ng	-0.01
21) Naphthalene-d8	8.06	136	657425	20.00	ng	-0.01
39) Acenaphthene-d10	9.81	164	342961	20.00	ng	-0.02
64) Phenanthrene-d10	11.30	188	616019	20.00	ng	-0.01
76) Chrysene-d12	13.93	240	416344	20.00	ng	-0.01
86) Perylene-d12	15.37	264	351923	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.40	112	757659	67.51	ng	0.00
7) Phenol-d6	6.41	99	978193	66.43	ng	-0.02
23) Nitrobenzene-d5	7.34	82	672696	54.94	ng	-0.02
42) 2,4,6-Tribromophenol	10.60	330	287025	67.34	ng	-0.02
45) 2-Fluorobiphenyl	9.13	172	1163114	51.36	ng	-0.02
79) Terphenyl-d14	12.88	244	1051709	51.18	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.34	70	89367	10.531	ng	# 80
25) Isophorone	7.34	82	662974	26.898	ng	# 66
50) Dimethylphthalate	9.53	163	121022	4.869	ng	# 98
51) 2,6-Dinitrotoluene	9.81	165	44864	8.475	ng	# 26
57) 2,4-Dinitrotoluene	9.81	165	44864	6.736	ng	# 23
65) 4,6-Dinitro-2-methylphenol	10.60	198	560	6.979	ng	# 1
67) 4-Bromophenyl-phenylether	10.60	248	16558	2.361	ng	# 1

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

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Quant Time: Oct 01 00:38:16 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Sep 29 11:12:14 2020
Response via : Initial Calibration



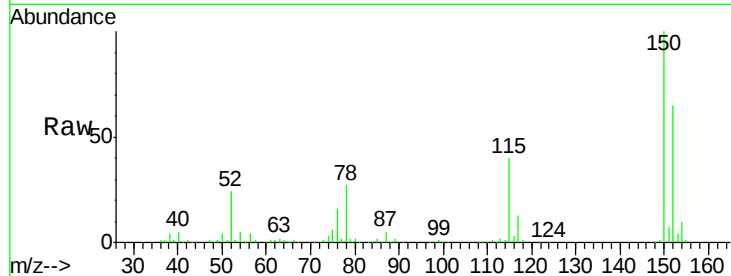


#1

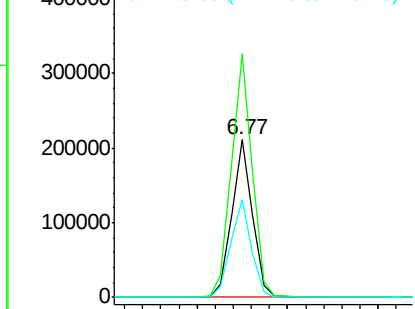
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.77 min Scan# 797
Delta R.T. -0.01 min
Lab File: BF121752.D
Acq: 30 Sep 2020 22:07

Instrument :
BNA_F
ClientSampleId :
PAV-B14-092920-10-16

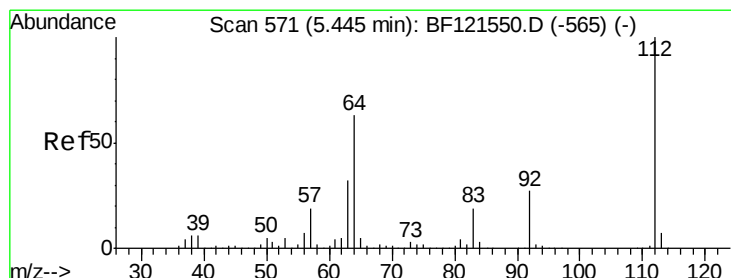
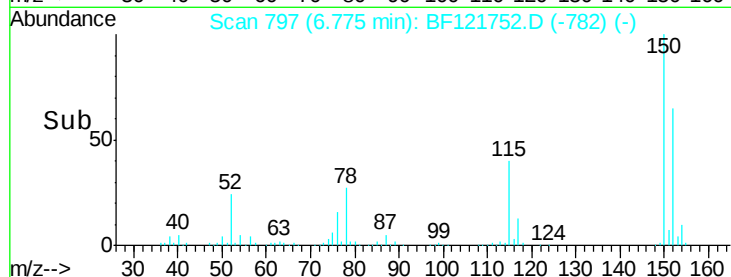
Tot Ion:152 Resp: 166798
Ion Ratio Lower Upper
152 100
150 154.5 125.8 188.8
115 61.8 49.6 74.4



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



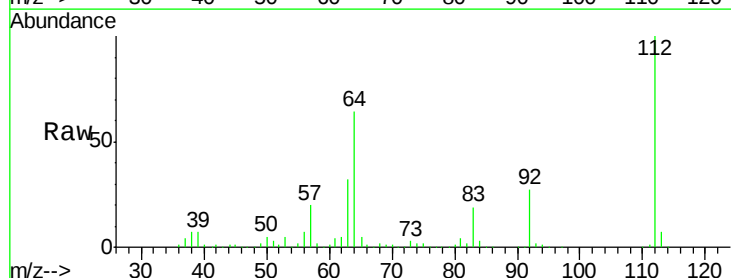
Time-->



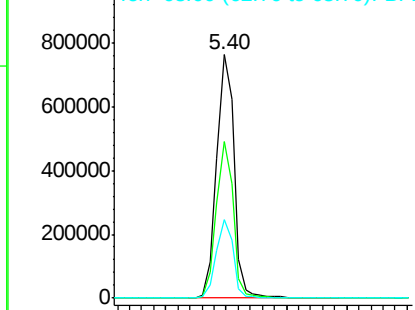
#5

2-Fluorophenol
Concen: 67.505 ng
RT: 5.40 min Scan# 563
Delta R.T. -0.01 min
Lab File: BF121752.D
Acq: 30 Sep 2020 22:07

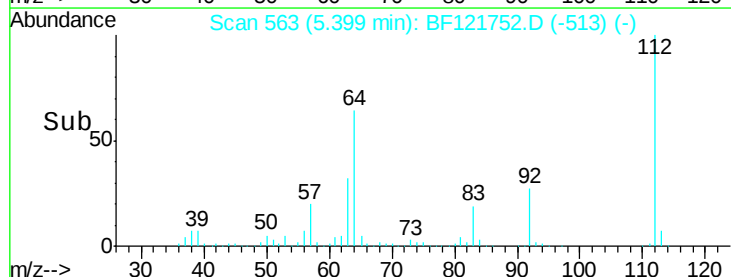
Tgt Ion:112 Resp: 757659
Ion Ratio Lower Upper
112 100
64 64.2 51.2 76.8
63 32.2 25.9 38.9

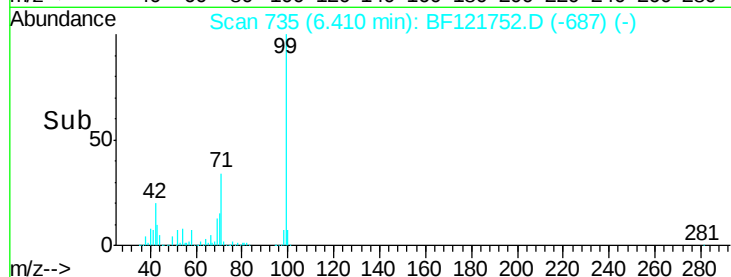
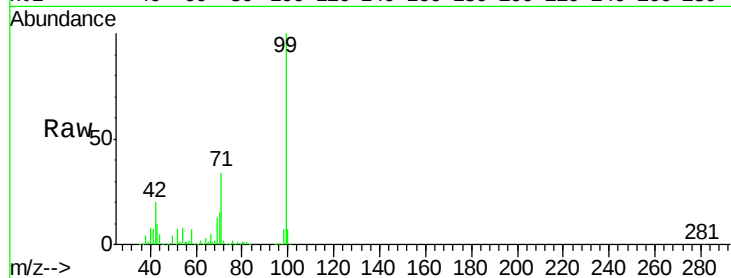


Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1



Time-->





#7

Phenol-d6

Concen: 66.432 ng

RT: 6.41 min Scan# 735

Delta R.T. -0.02 min

Lab File: BF121752.D

Acq: 30 Sep 2020 22:07

Instrument :

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ClientSampleId :

PAV-B14-092920-10-16

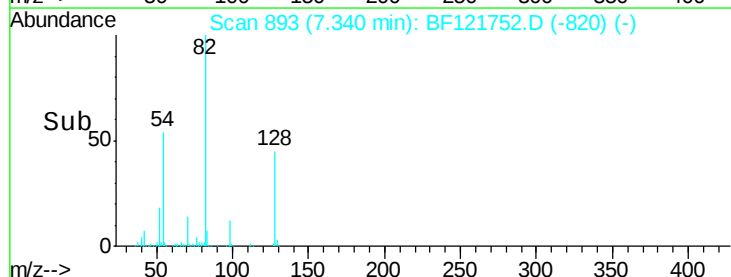
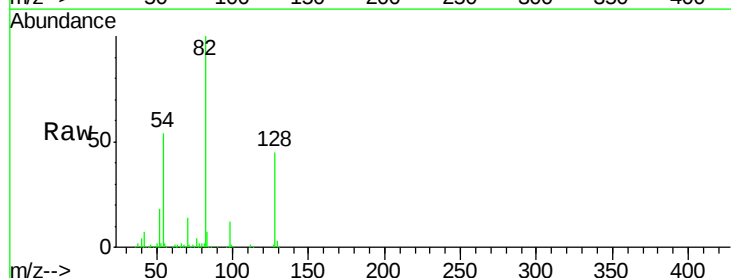
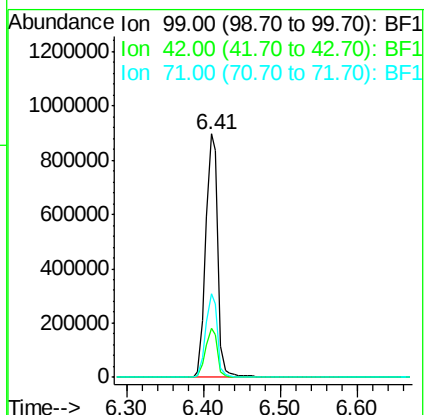
Tot Ion: 99 Resp: 978193

Ion Ratio Lower Upper

99 100

42 20.0 16.5 24.7

71 34.2 27.8 41.6



#19

n-Nitroso-di-n-propylamine

Concen: 10.531 ng

RT: 7.34 min Scan# 893

Delta R.T. 0.13 min

Lab File: BF121752.D

Acq: 30 Sep 2020 22:07

Tgt Ion: 70 Resp: 89367

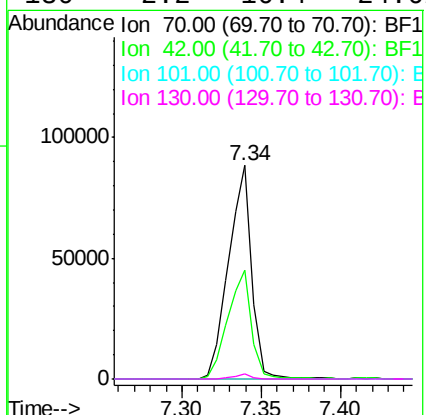
Ion Ratio Lower Upper

70 100

42 50.9 48.6 73.0

101 0.0 7.5 11.3#

130 2.2 16.4 24.6#

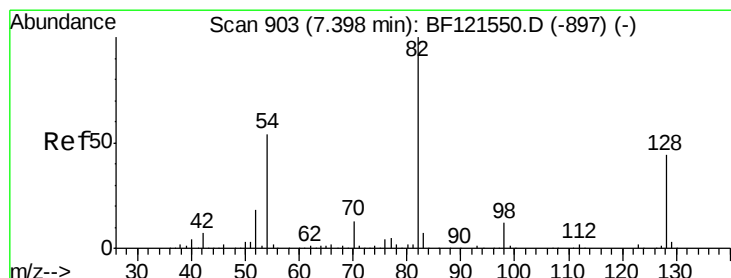
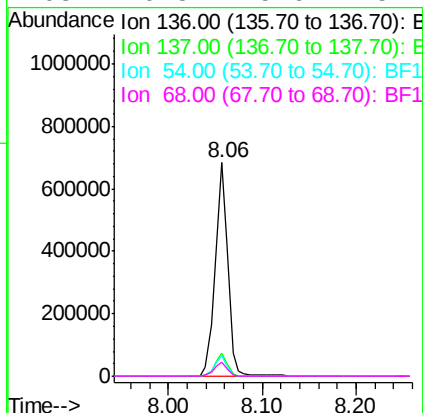
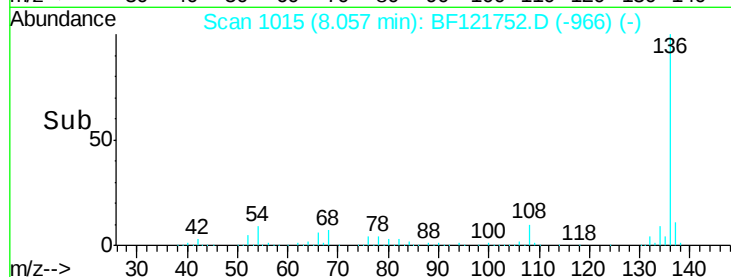
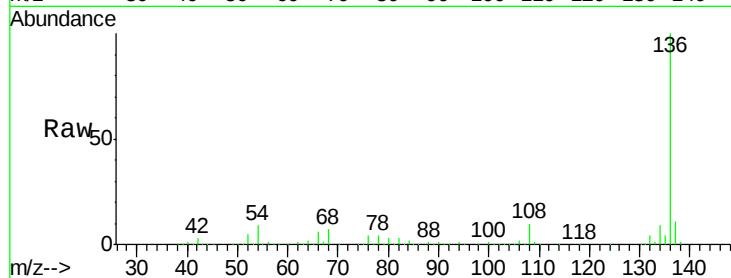




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.06 min Scan# 1015
Delta R.T. -0.01 min
Lab File: BF121752.D
Acq: 30 Sep 2020 22:07

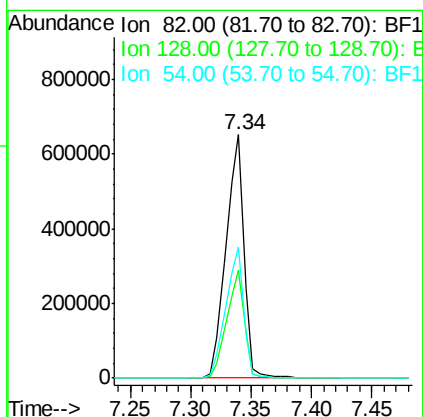
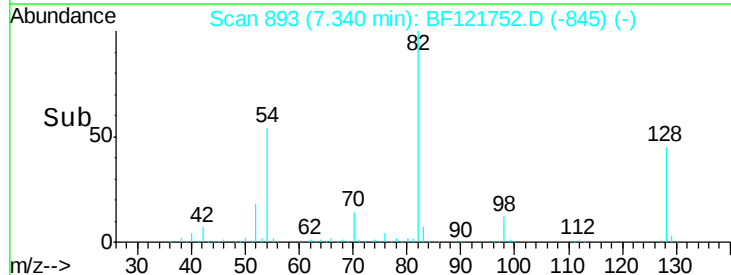
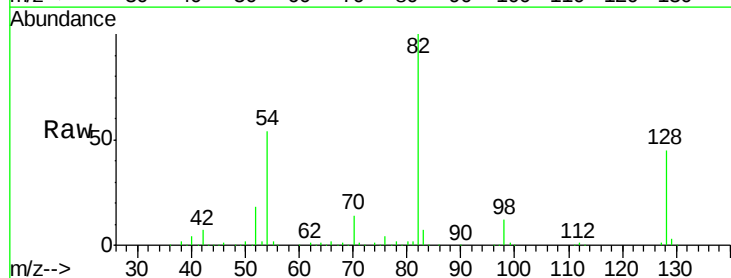
Instrument :
BNA_F
ClientSampleId :
PAV-B14-092920-10-16

Tot Ion:136	Resp:	657425
Ion	Ratio	Lower Upper
136	100	
137	10.6	9.1 13.7
54	9.4	7.8 11.8
68	6.8	5.6 8.4



#23
Nitrobenzene-d5
Concen: 54.939 ng
RT: 7.34 min Scan# 893
Delta R.T. -0.02 min
Lab File: BF121752.D
Acq: 30 Sep 2020 22:07

Tgt Ion: 82	Resp:	672696
Ion	Ratio	Lower Upper
82	100	
128	44.6	35.0 52.4
54	53.9	42.5 63.7





#25

Isophorone

Concen: 26.898 ng

RT: 7.34 min Scan# 893

Delta R.T. -0.28 min

Lab File: BF121752.D

Acq: 30 Sep 2020 22:07

Instrument :

BNA_F

ClientSampleId :

PAV-B14-092920-10-16

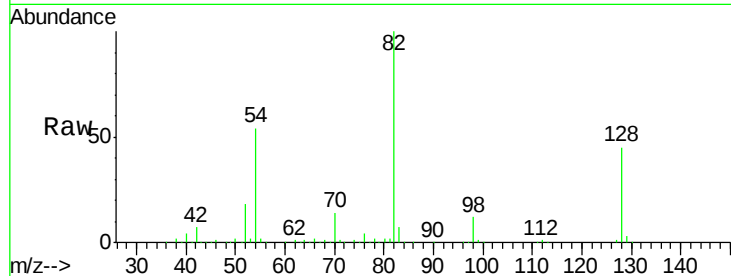
Tot Ion: 82 Resp: 662974

Ion Ratio Lower Upper

82 100

95 0.0 5.6 8.4#

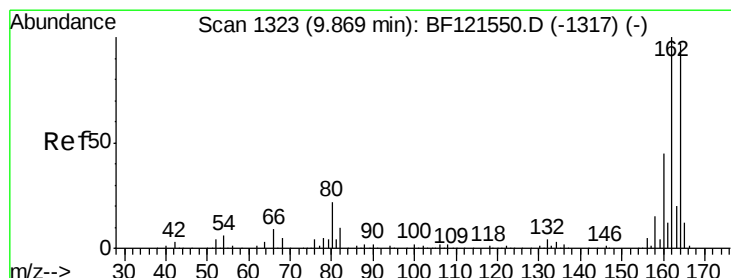
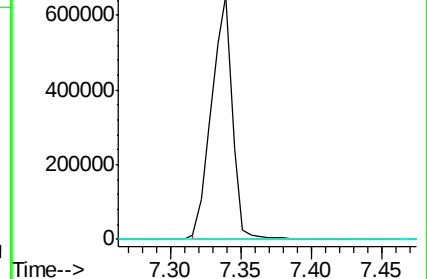
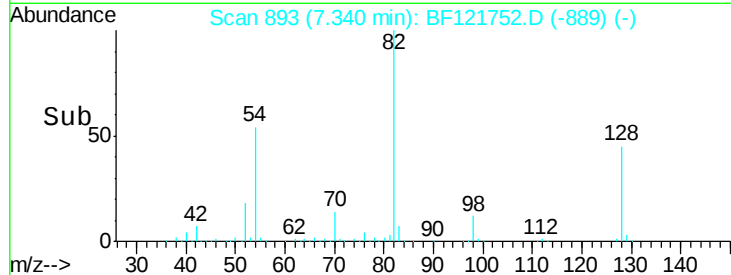
138 0.0 13.9 20.9#



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: 9.81 min Scan# 1313

Delta R.T. -0.02 min

Lab File: BF121752.D

Acq: 30 Sep 2020 22:07

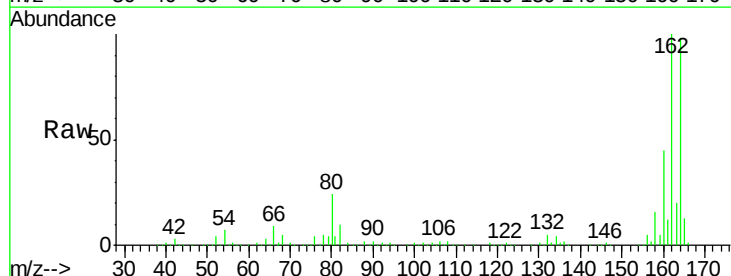
Tgt Ion: 164 Resp: 342961

Ion Ratio Lower Upper

164 100

162 102.1 80.6 121.0

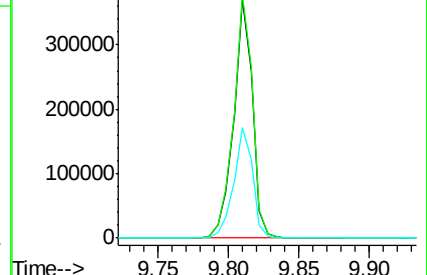
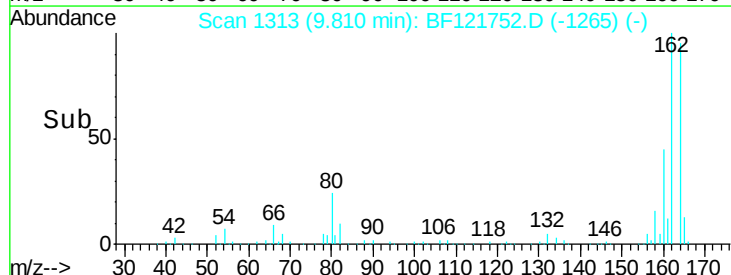
160 46.1 36.9 55.3



Abundance Ion 164.00 (163.70 to 164.70): BF1

Ion 162.00 (161.70 to 162.70): BF1

Ion 160.00 (159.70 to 160.70): BF1

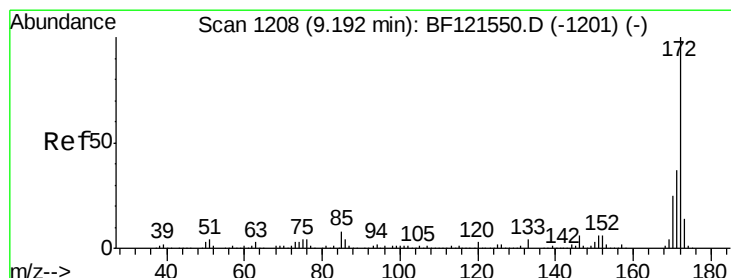
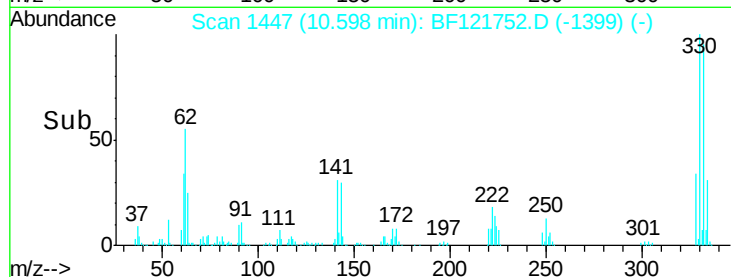
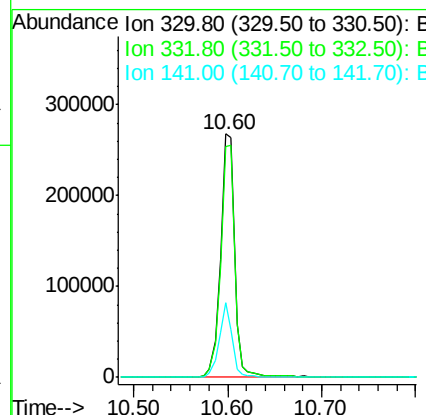
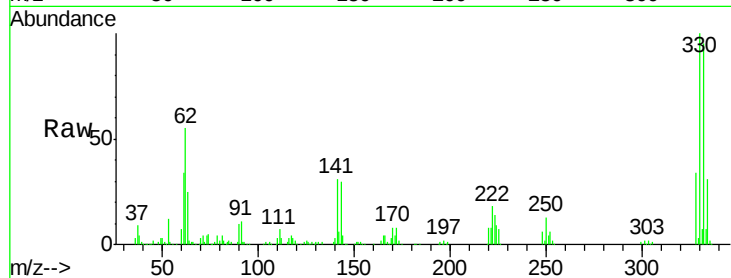




#42
 2,4,6-Tribromophenol
 Concen: 67.337 ng
 RT: 10.60 min Scan# 1447
 Delta R.T. -0.02 min
 Lab File: BF121752.D
 Acq: 30 Sep 2020 22:07

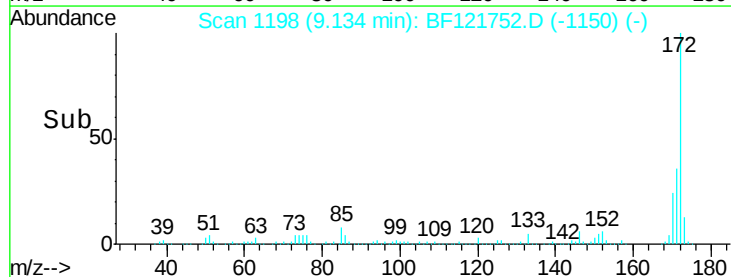
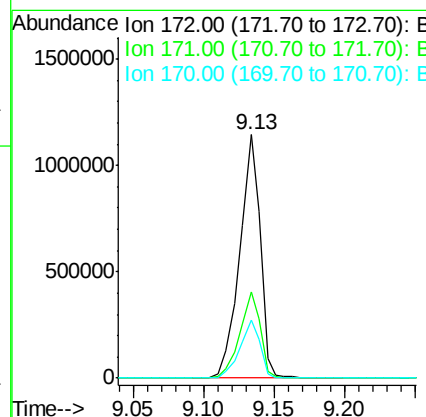
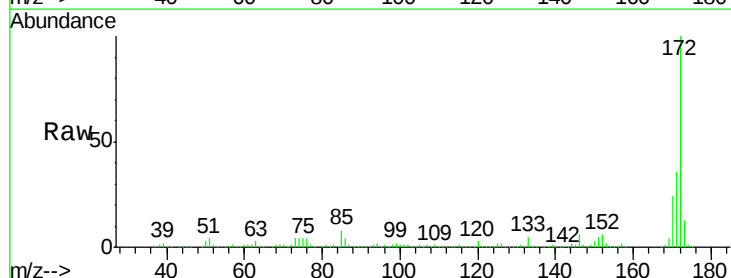
Instrument :
 BNA_F
 ClientSampleId :
 PAV-B14-092920-10-16

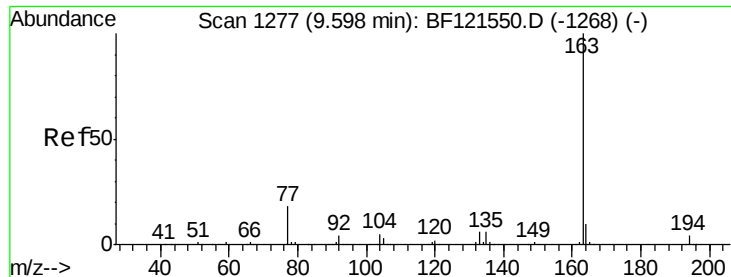
Tot Ion:330 Resp: 287025
 Ion Ratio Lower Upper
 330 100
 332 96.6 77.6 116.4
 141 28.5 22.9 34.3



#45
 2-Fluorobiphenyl
 Concen: 51.364 ng
 RT: 9.13 min Scan# 1198
 Delta R.T. -0.02 min
 Lab File: BF121752.D
 Acq: 30 Sep 2020 22:07

Tgt Ion:172 Resp: 1163114
 Ion Ratio Lower Upper
 172 100
 171 35.6 29.2 43.8
 170 23.8 19.7 29.5





#50

Dimethylphthalate

Concen: 4.869 ng

RT: 9.53 min Scan# 1265

Delta R.T. -0.02 min

Lab File: BF121752.D

Acq: 30 Sep 2020 22:07

Instrument :

BNA_F

ClientSampleId :

PAV-B14-092920-10-16

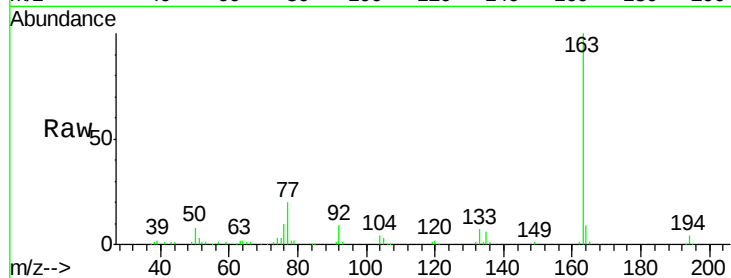
Tot Ion:163 Resp: 121022

Ion Ratio Lower Upper

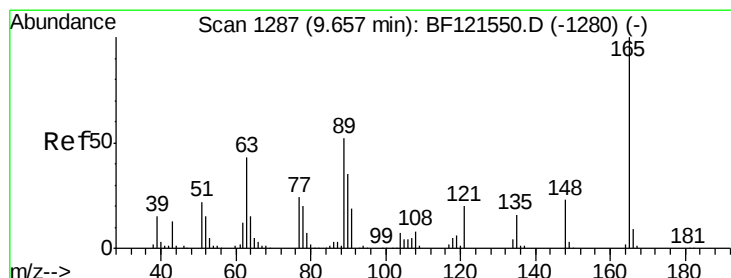
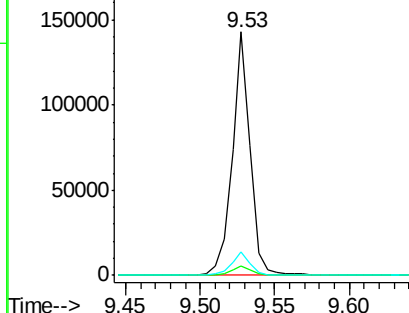
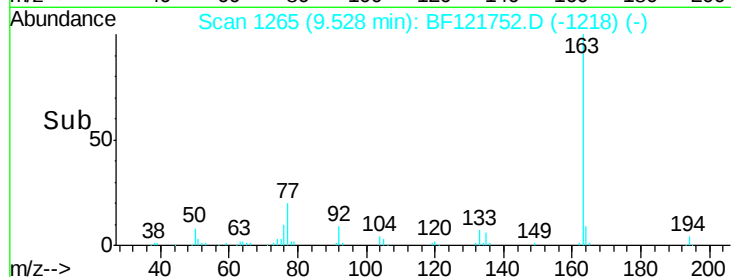
163 100

194 3.7 3.1 4.7

164 9.5 8.5 12.7



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: 8.475 ng

RT: 9.81 min Scan# 1313

Delta R.T. 0.19 min

Lab File: BF121752.D

Acq: 30 Sep 2020 22:07

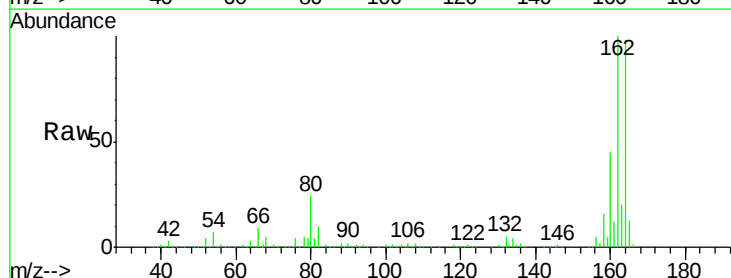
Tgt Ion:165 Resp: 44864

Ion Ratio Lower Upper

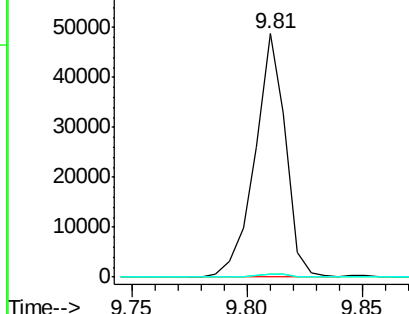
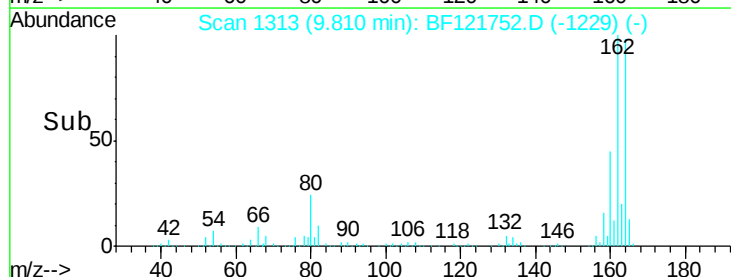
165 100

63 1.2 43.8 65.6#

89 1.3 43.0 64.4#



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

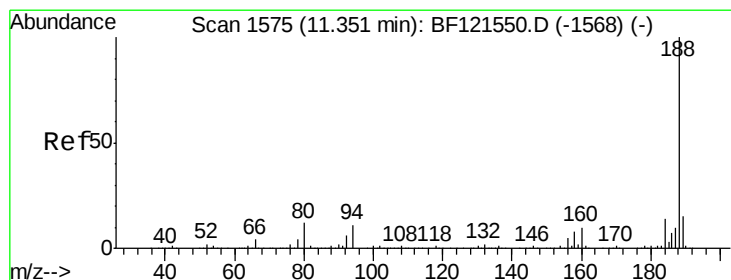
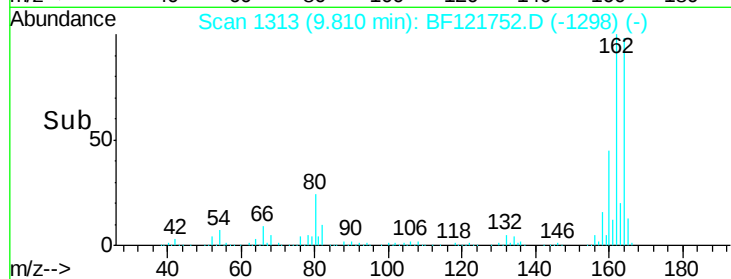
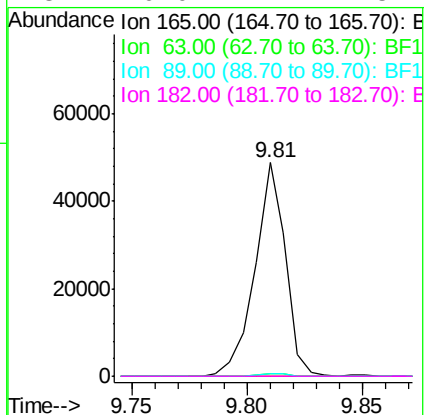
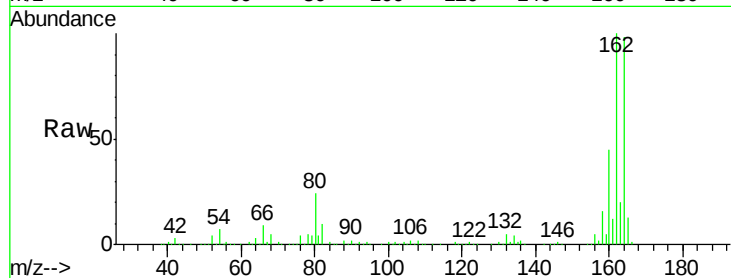




#57
 2,4-Dinitrotoluene
 Concen: 6.736 ng
 RT: 9.81 min Scan# 1313
 Delta R.T. -0.21 min
 Lab File: BF121752.D
 Acq: 30 Sep 2020 22:07

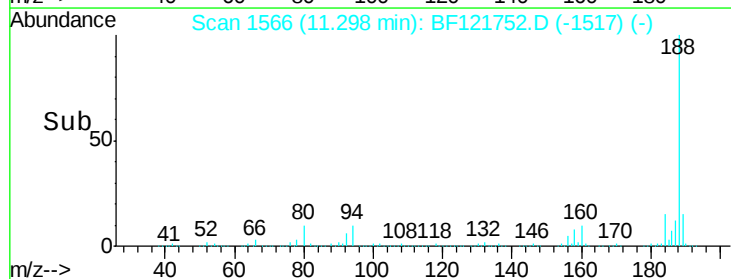
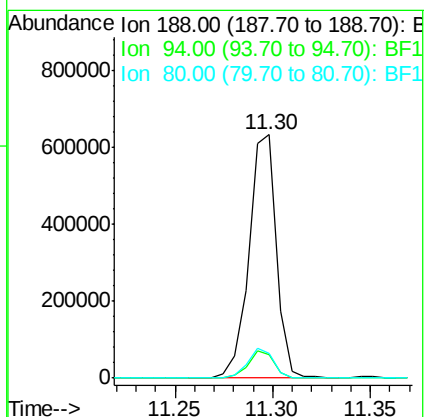
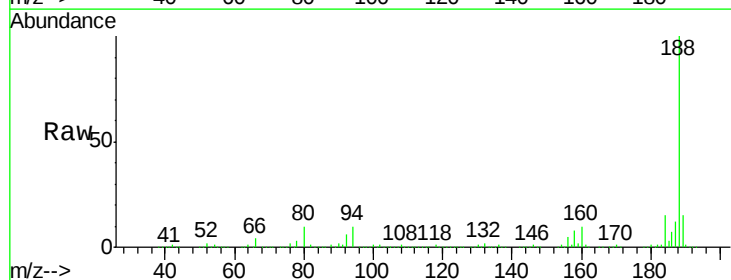
Instrument :
 BNA_F
 ClientSampleId :
 PAV-B14-092920-10-16

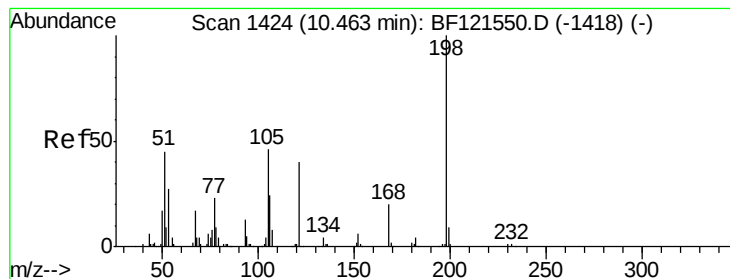
Tot Ion:165	Resp:	44864
Ion Ratio	Lower	Upper
165	100	
63	1.2	39.0 58.6#
89	1.3	57.5 86.3#
182	0.0	2.2 3.4#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.30 min Scan# 1566
 Delta R.T. -0.01 min
 Lab File: BF121752.D
 Acq: 30 Sep 2020 22:07

Tgt Ion:188	Resp:	616019
Ion Ratio	Lower	Upper
188	100	
94	9.8	8.2 12.2
80	10.3	8.9 13.3





#65

4,6-Dinitro-2-methylphenol

Concen: 6.979 ng

RT: 10.60 min Scan# 1447

Delta R.T. 0.17 min

Lab File: BF121752.D

Acq: 30 Sep 2020 22:07

Instrument :

BNA_F

ClientSampleId :

PAV-B14-092920-10-16

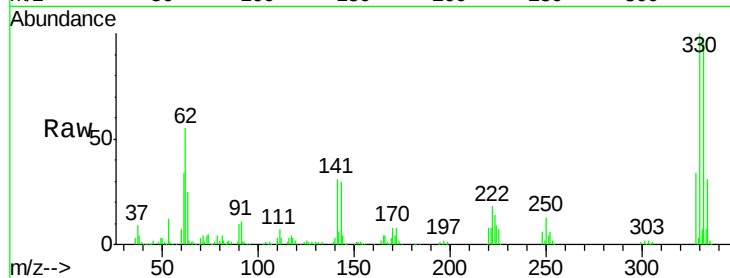
Tot Ion:198 Resp: 560

Ion Ratio Lower Upper

198 100

51 218.7 34.7 74.7#

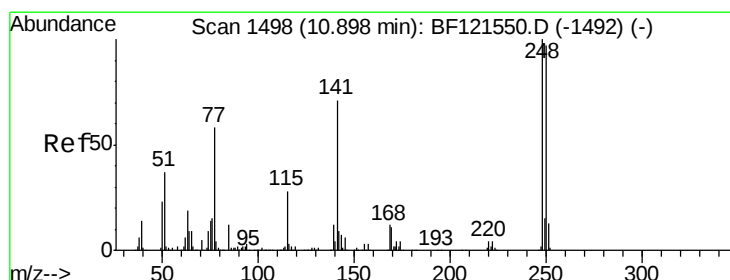
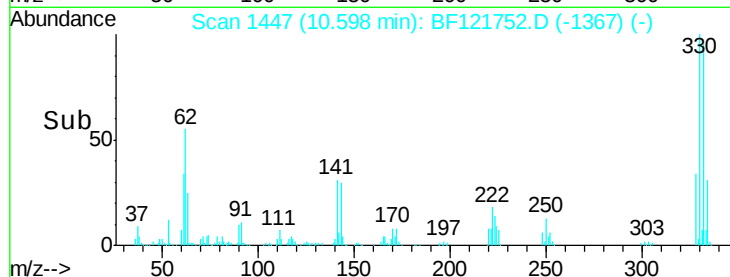
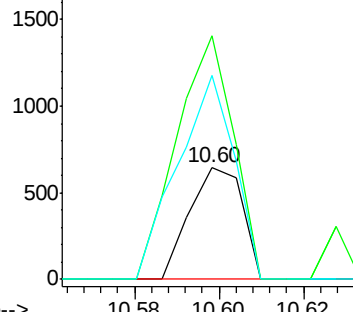
105 183.2 27.8 67.8#



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: 2.361 ng

RT: 10.60 min Scan# 1447

Delta R.T. -0.25 min

Lab File: BF121752.D

Acq: 30 Sep 2020 22:07

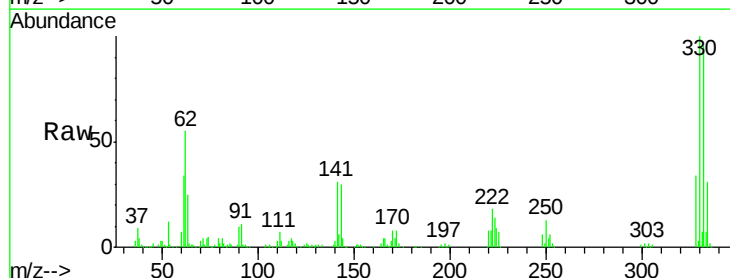
Tgt Ion:248 Resp: 16558

Ion Ratio Lower Upper

248 100

250 199.1 78.6 118.0#

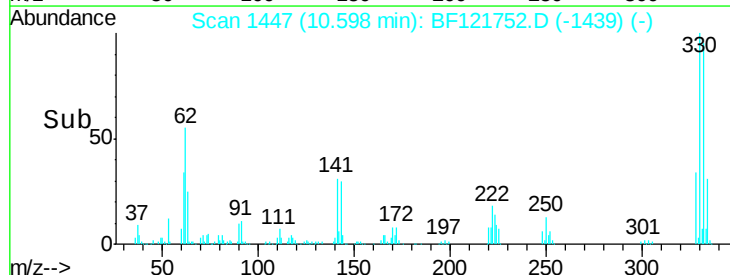
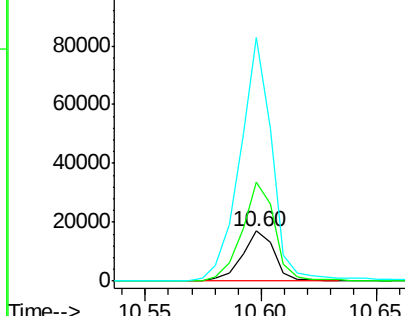
141 487.7 60.0 90.0#

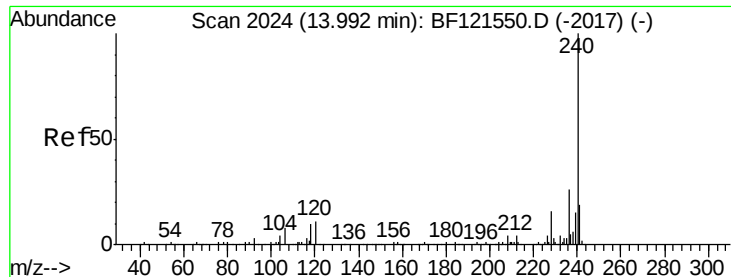


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

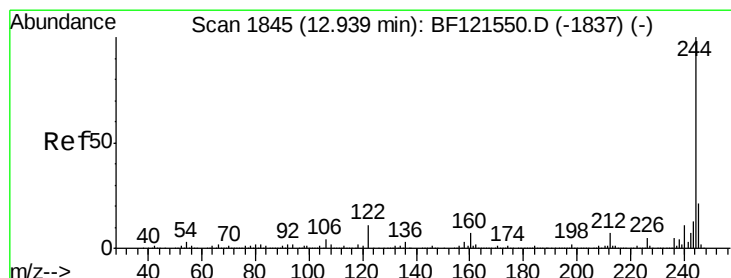
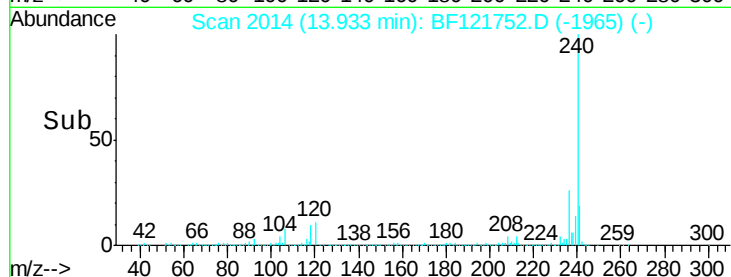
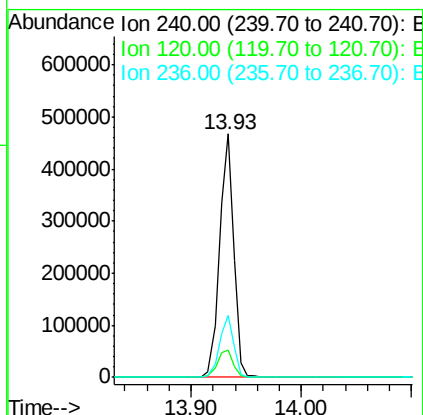
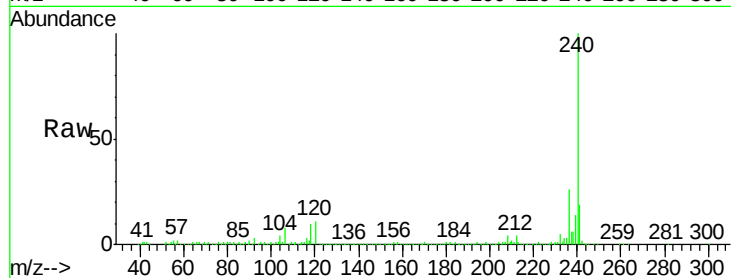




#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.93 min Scan# 2014
 Delta R.T. -0.01 min
 Lab File: BF121752.D
 Acq: 30 Sep 2020 22:07

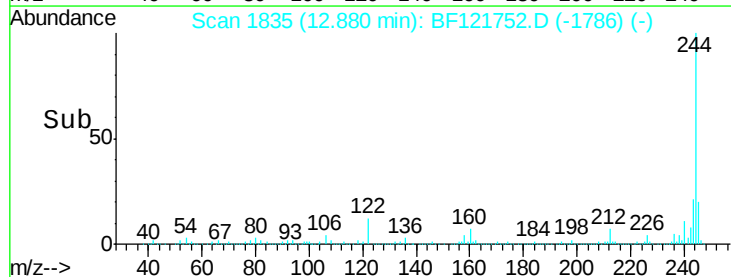
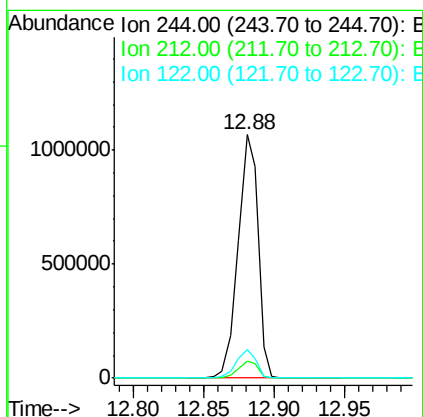
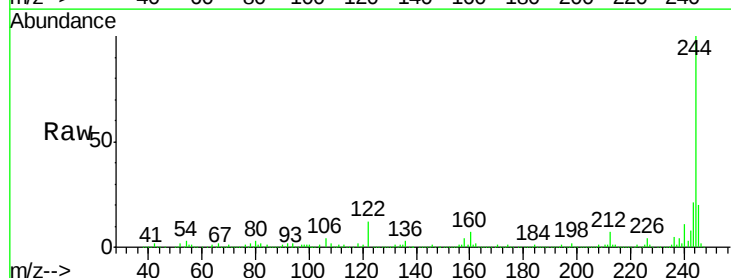
Instrument :
 BNA_F
 ClientSampleId :
 PAV-B14-092920-10-16

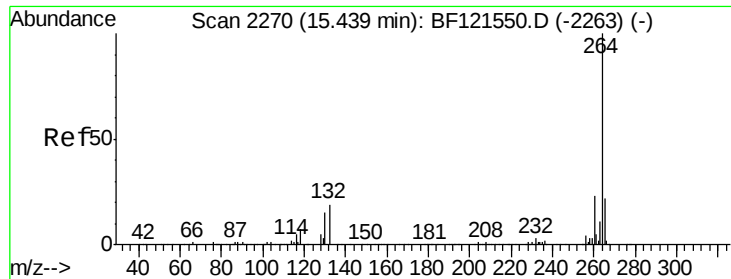
Tot Ion:240 Resp: 416344
 Ion Ratio Lower Upper
 240 100
 120 11.4 10.2 15.4
 236 25.6 20.4 30.6



#79
 Terphenyl-d14
 Concen: 51.175 ng
 RT: 12.88 min Scan# 1835
 Delta R.T. -0.01 min
 Lab File: BF121752.D
 Acq: 30 Sep 2020 22:07

Tgt Ion:244 Resp: 1051709
 Ion Ratio Lower Upper
 244 100
 212 7.1 5.7 8.5
 122 12.0 9.0 13.4





#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.37 min Scan# 2259
 Delta R.T. -0.01 min
 Lab File: BF121752.D
 Acq: 30 Sep 2020 22:07

Instrument :
 BNA_F
 ClientSampleId :
 PAV-B14-092920-10-16

Tot Ion:264	Resp:	351923
Ion	Ratio	Lower Upper
264	100	
260	24.6	19.0 28.6
265	21.7	17.3 25.9

