

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091820\
 Data File : BF121618.D
 Acq On : 18 Sep 2020 17:49
 Operator : JU/CG
 Sample : L4038-10
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PAV-B36-091620-10-15

Quant Time: Sep 18 18:59:21 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Sep 10 16:47:54 2020
 Response via : Initial Calibration

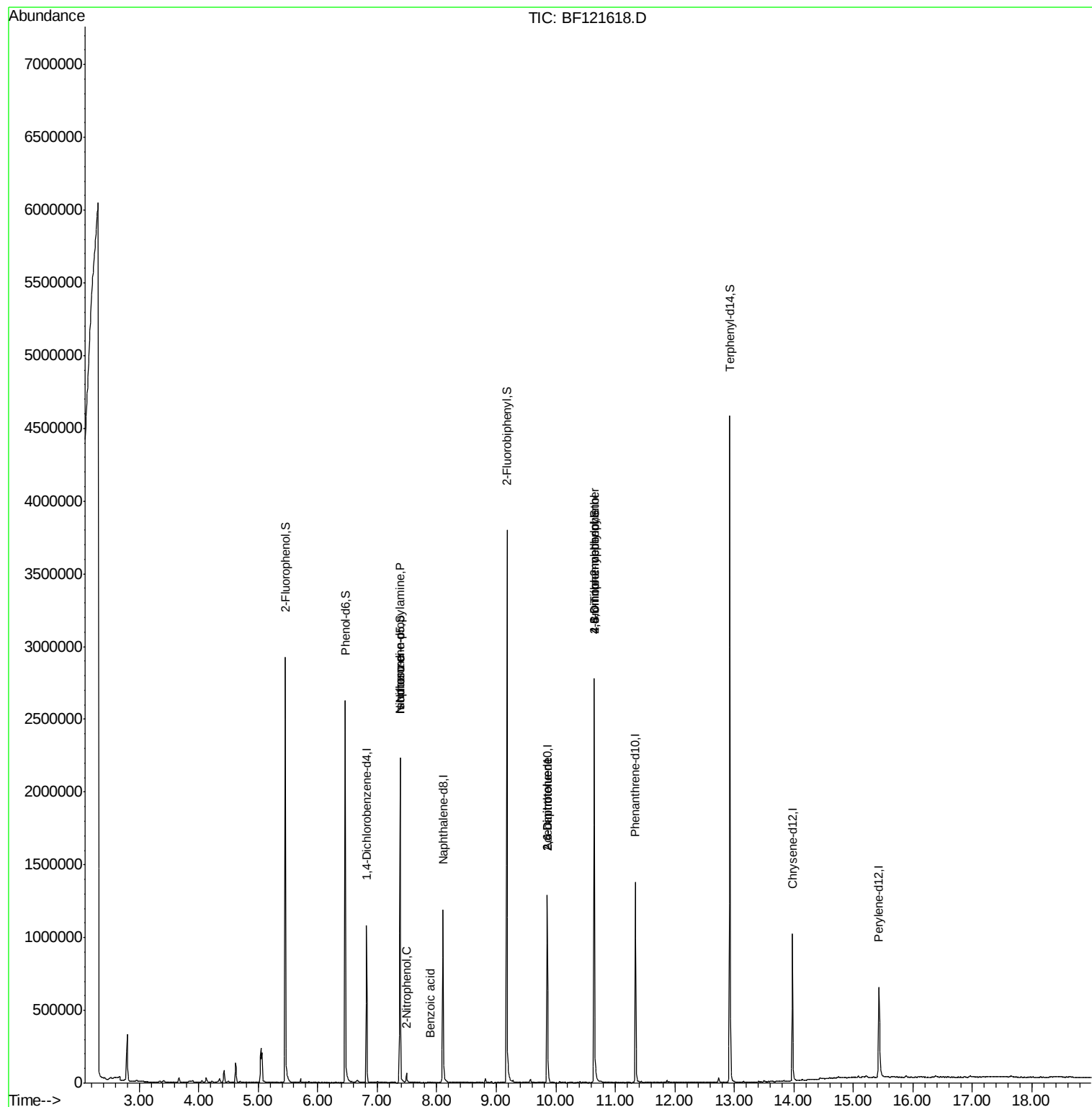
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	137541	20.00	ng	-0.01
21) Naphthalene-d8	8.10	136	535770	20.00	ng	-0.01
39) Acenaphthene-d10	9.86	164	276897	20.00	ng	-0.01
64) Phenanthrene-d10	11.34	188	509275	20.00	ng	-0.01
76) Chrysene-d12	13.97	240	369479	20.00	ng	-0.02
86) Perylene-d12	15.43	264	343192	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	817209	88.30	ng	0.01
7) Phenol-d6	6.46	99	985951	81.20	ng	0.00
23) Nitrobenzene-d5	7.39	82	749348	75.10	ng	-0.01
42) 2,4,6-Tribromophenol	10.65	330	402864	117.06	ng	-0.01
45) 2-Fluorobiphenyl	9.18	172	1317256	72.05	ng	-0.01
79) Terphenyl-d14	12.93	244	1588794	87.12	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.39	70	101660	14.527	ng	# 77
25) Isophorone	7.39	82	744879	37.083	ng	# 66
26) 2-Nitrophenol	7.49	139	158	2.589	ng	# 36
32) Benzoic acid	7.90	122	399	6.987	ng	# 1
51) 2,6-Dinitrotoluene	9.86	165	35200	8.236	ng	# 28
57) 2,4-Dinitrotoluene	9.86	165	35200	6.546	ng	# 23
65) 4,6-Dinitro-2-methylphenol	10.65	198	710	7.047	ng	# 1
67) 4-Bromophenyl-phenylether	10.65	248	23174	3.997	ng	# 1

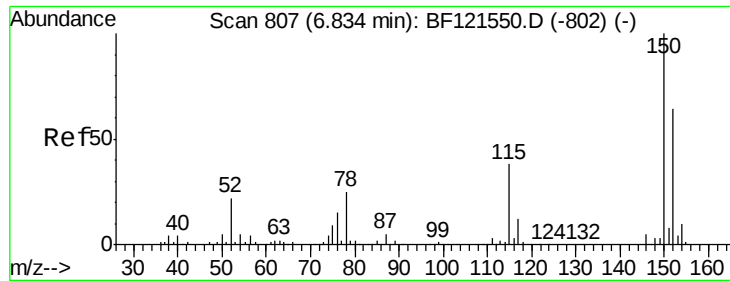
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091820\
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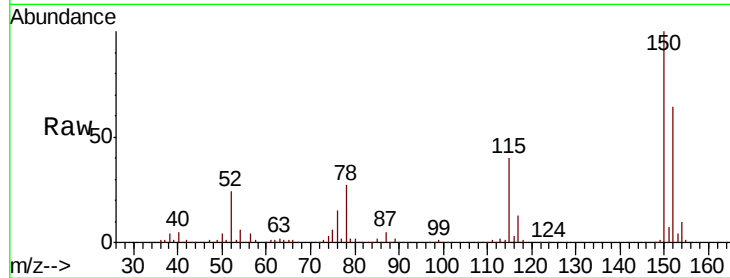


#1

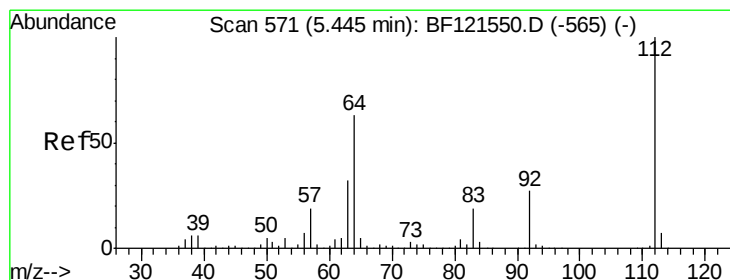
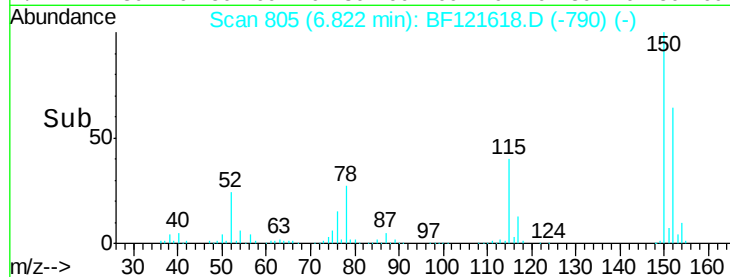
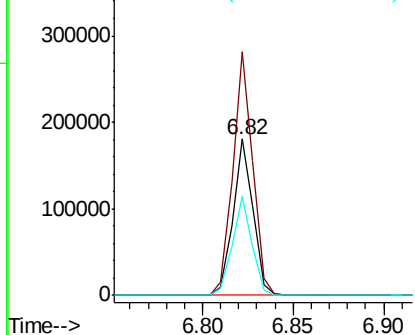
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 805
Delta R.T. -0.01 min
Lab File: BF121618.D
Acq: 18 Sep 2020 17:49

Instrument :
BNA_F
ClientSampleId :
PAV-B36-091620-10-15

Tot Ion:152 Resp: 137541
Ion Ratio Lower Upper
152 100
150 155.7 125.8 188.6
115 63.1 47.8 71.8



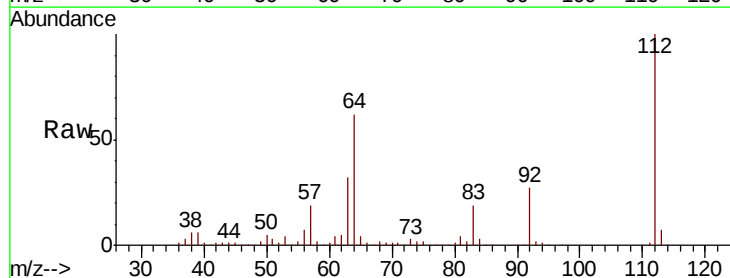
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



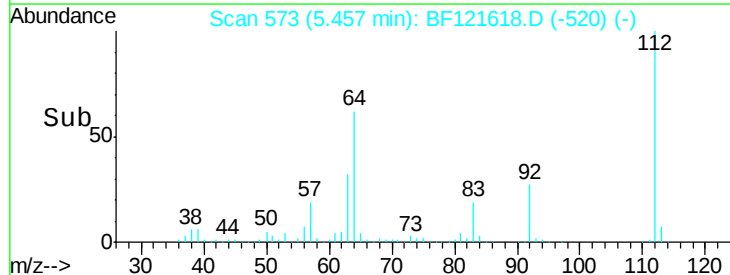
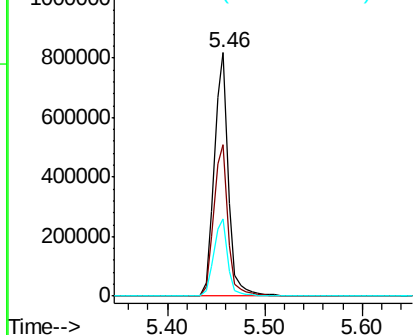
#5

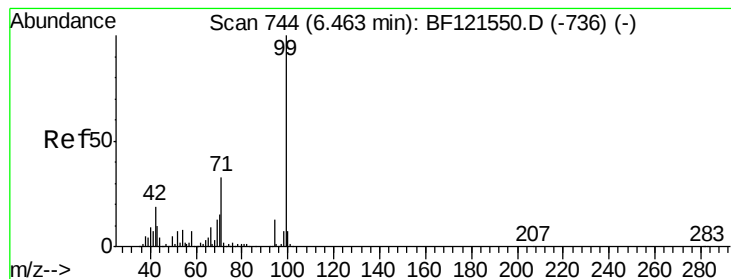
2-Fluorophenol
Concen: 88.299 ng
RT: 5.46 min Scan# 573
Delta R.T. 0.01 min
Lab File: BF121618.D
Acq: 18 Sep 2020 17:49

Tgt Ion:112 Resp: 817209
Ion Ratio Lower Upper
112 100
64 62.1 50.3 75.5
63 31.8 25.6 38.4



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: 81.202 ng

RT: 6.46 min Scan# 744

Delta R.T. -0.00 min

Lab File: BF121618.D

Acq: 18 Sep 2020 17:49

Instrument :

BNA_F

ClientSampleId :

PAV-B36-091620-10-15

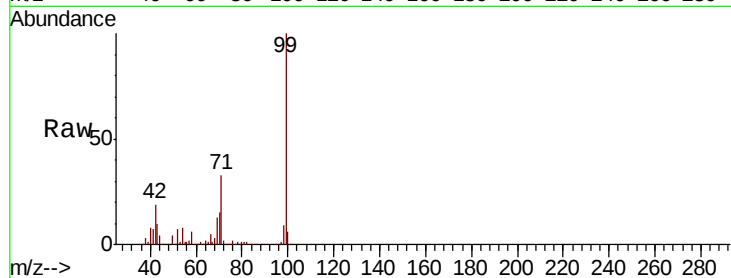
Tot Ion: 99 Resp: 985951

Ion Ratio Lower Upper

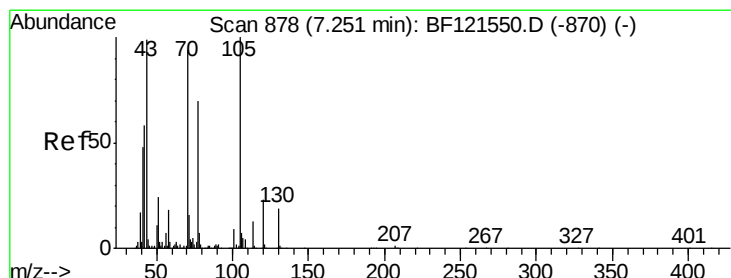
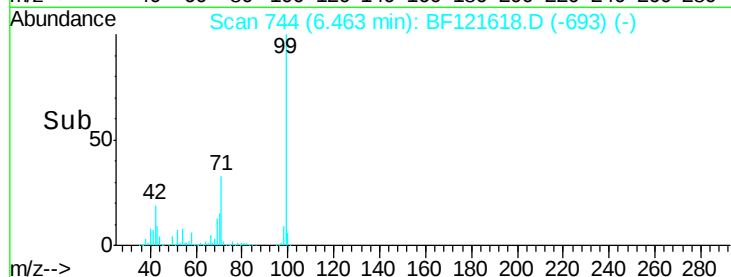
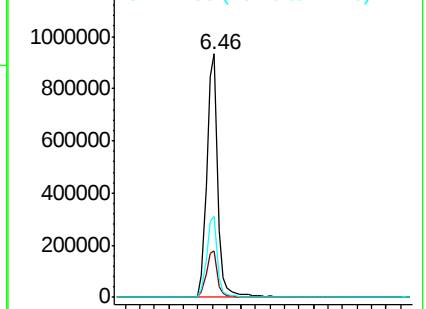
99 100

42 18.9 15.5 23.3

71 33.2 26.1 39.1



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: 14.527 ng

RT: 7.39 min Scan# 901

Delta R.T. 0.14 min

Lab File: BF121618.D

Acq: 18 Sep 2020 17:49

Tgt Ion: 70 Resp: 101660

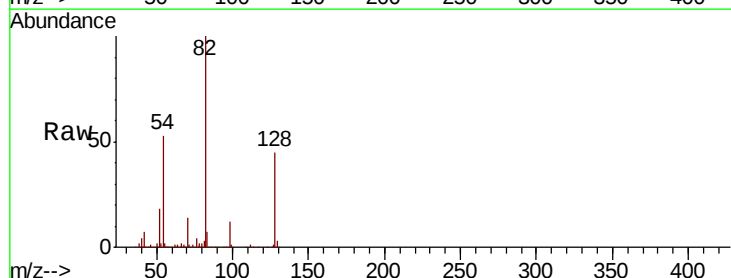
Ion Ratio Lower Upper

70 100

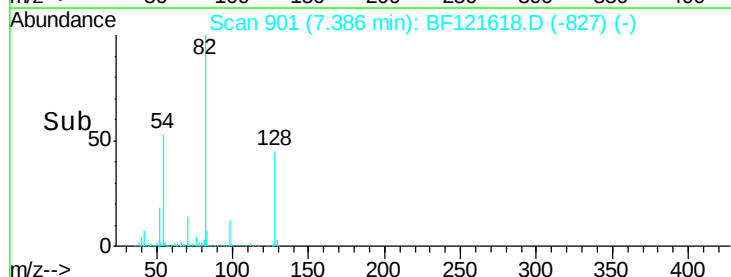
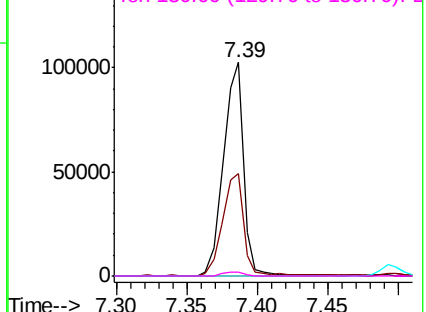
42 48.2 49.4 74.2#

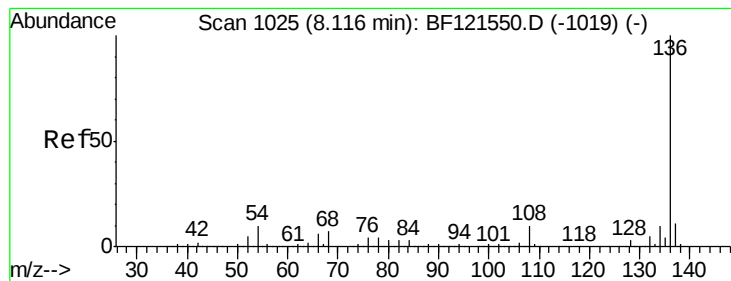
101 0.0 7.6 11.4#

130 2.0 16.2 24.4#



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: 8.10 min Scan# 1023

Delta R.T. -0.01 min

Lab File: BF121618.D

Acq: 18 Sep 2020 17:49

Instrument :

BNA_F

ClientSampleId :

PAV-B36-091620-10-15

Tot Ion:136 Resp: 535770

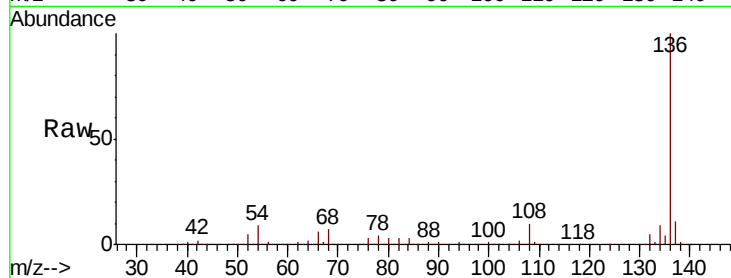
Ion Ratio Lower Upper

136 100

137 10.7 9.0 13.6

54 8.9 7.6 11.4

68 6.5 5.7 8.5

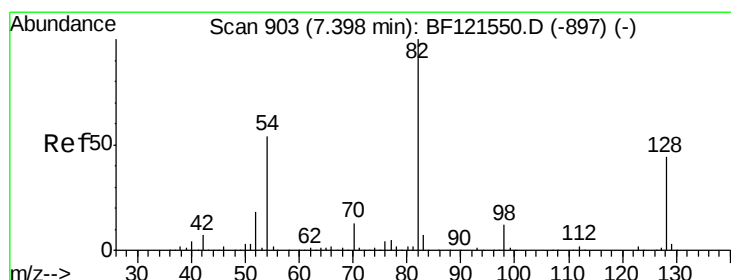
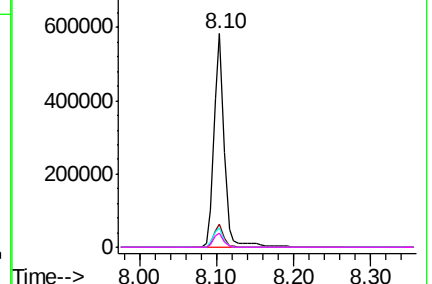
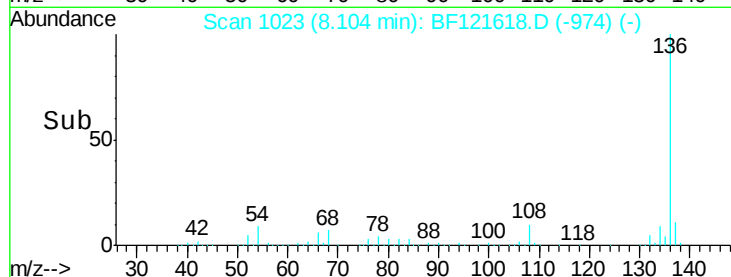


Abundance Ion 136.00 (135.70 to 136.70): E

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: 75.095 ng

RT: 7.39 min Scan# 901

Delta R.T. -0.01 min

Lab File: BF121618.D

Acq: 18 Sep 2020 17:49

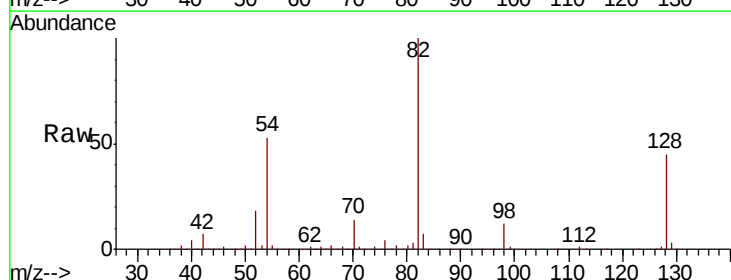
Tgt Ion: 82 Resp: 749348

Ion Ratio Lower Upper

82 100

128 45.0 35.1 52.7

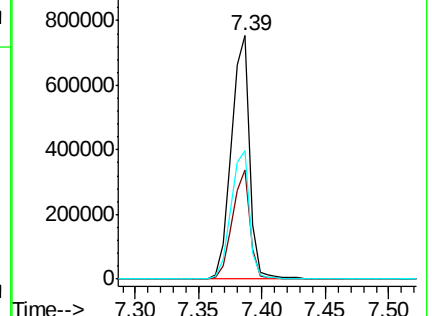
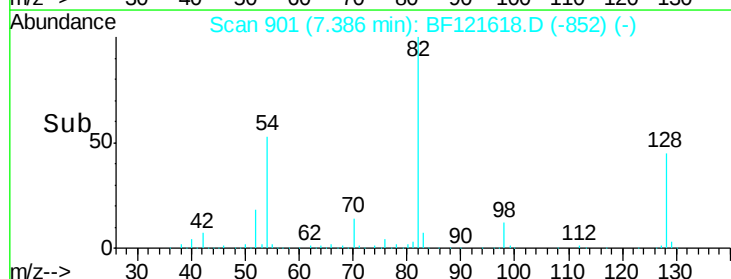
54 52.7 43.0 64.6

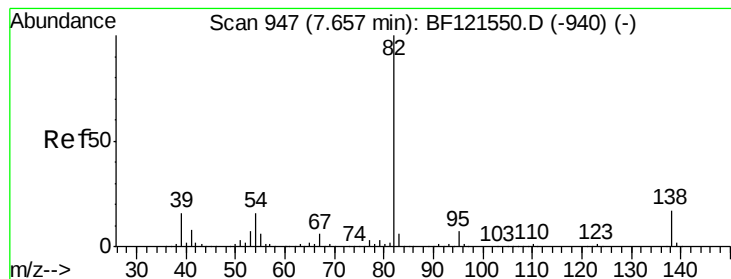


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 37.083 ng

RT: 7.39 min Scan# 901

Delta R.T. -0.27 min

Lab File: BF121618.D

Acq: 18 Sep 2020 17:49

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ClientSampleId :

PAV-B36-091620-10-15

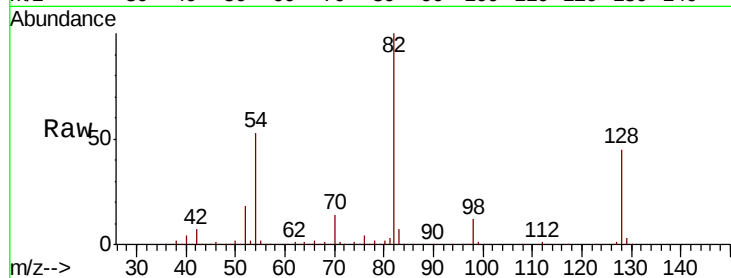
Tot Ion: 82 Resp: 744879

Ion Ratio Lower Upper

82 100

95 0.0 5.3 7.9#

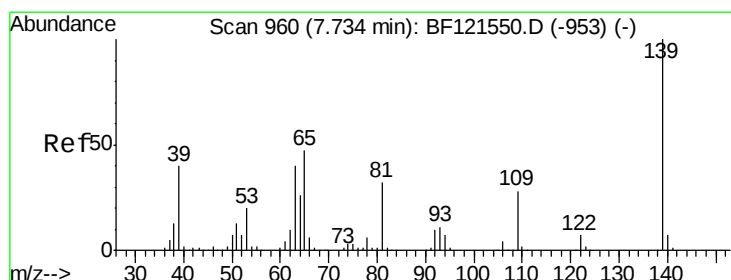
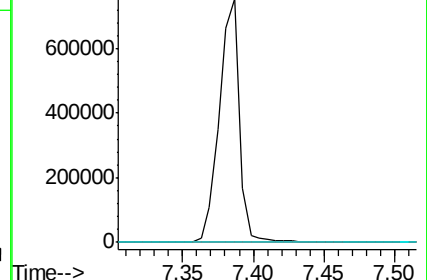
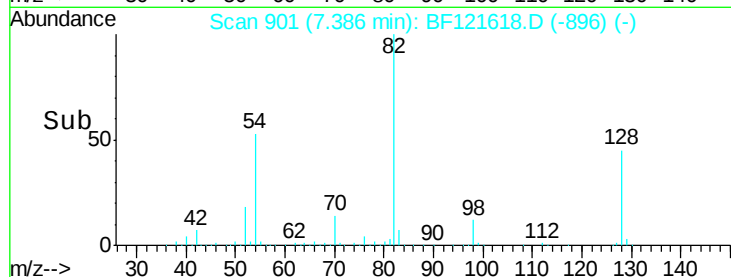
138 0.0 13.7 20.5#



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



#26

2-Nitrophenol

Concen: 2.589 ng

RT: 7.49 min Scan# 919

Delta R.T. -0.24 min

Lab File: BF121618.D

Acq: 18 Sep 2020 17:49

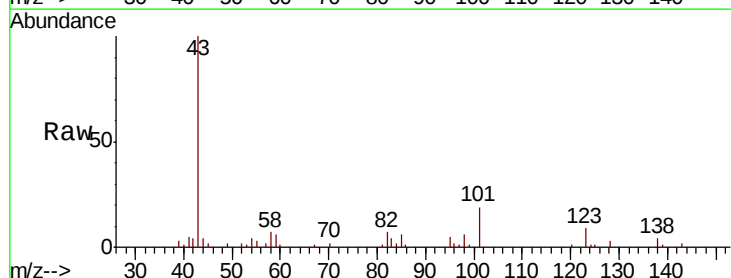
Tgt Ion: 139 Resp: 158

Ion Ratio Lower Upper

139 100

109 0.0 22.4 33.6#

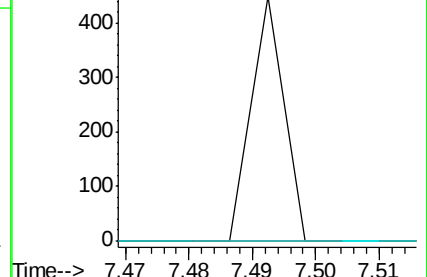
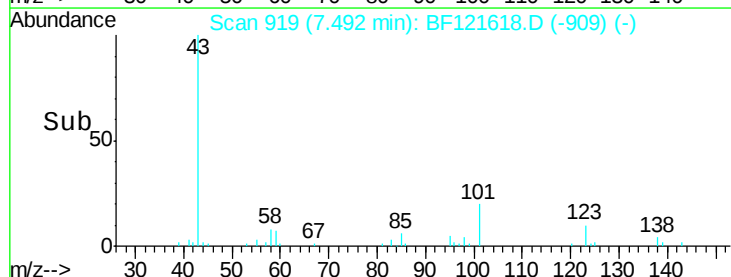
65 0.0 37.6 56.4#

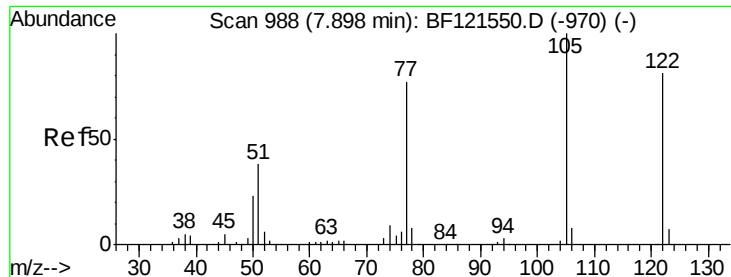


Abundance Ion 139.00 (138.70 to 139.70): BF1

Ion 109.00 (108.70 to 109.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

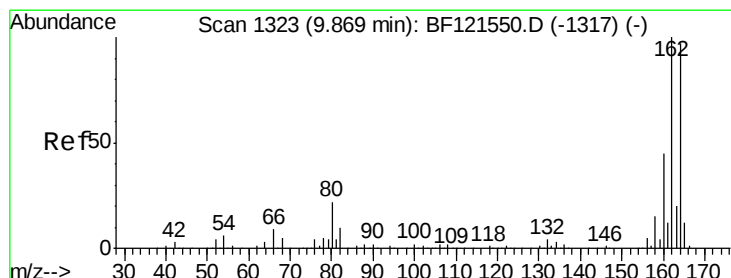
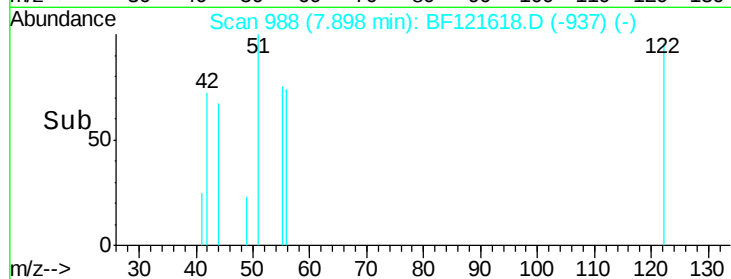
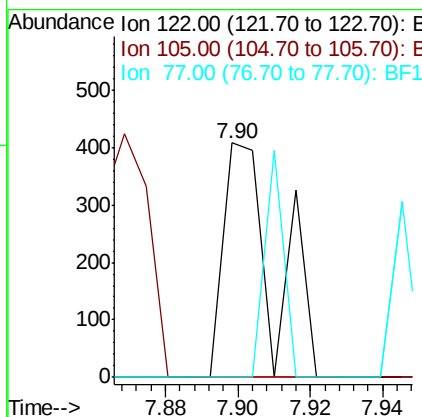
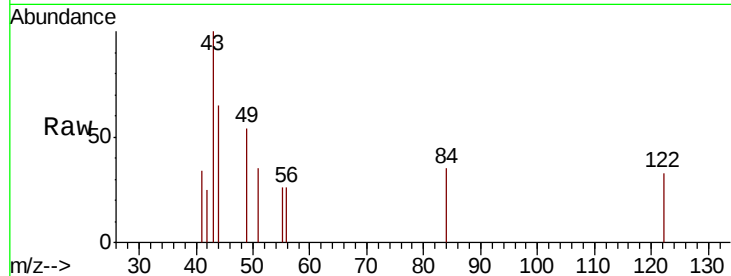




#32
Benzoic acid
Concen: 6.987 ng
RT: 7.90 min Scan# 988
Delta R.T. 0.00 min
Lab File: BF121618.D
Acq: 18 Sep 2020 17:49

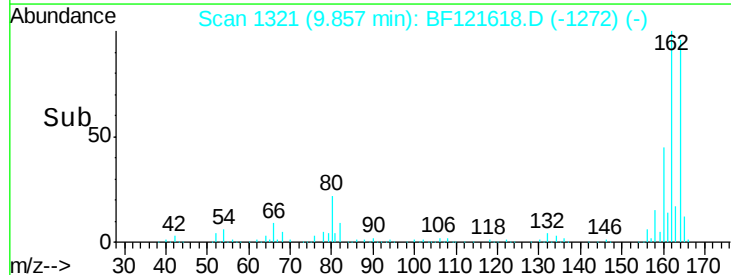
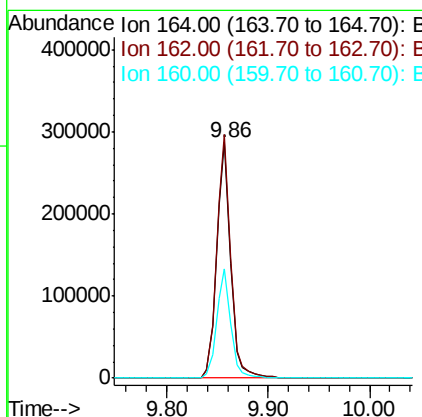
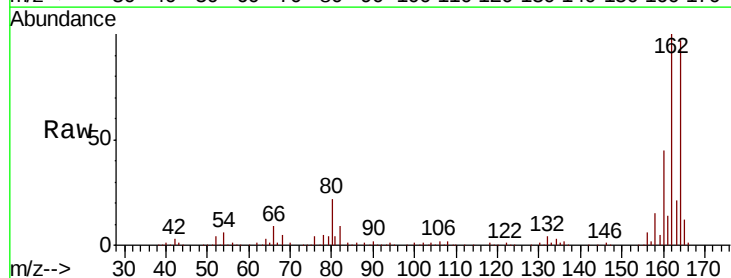
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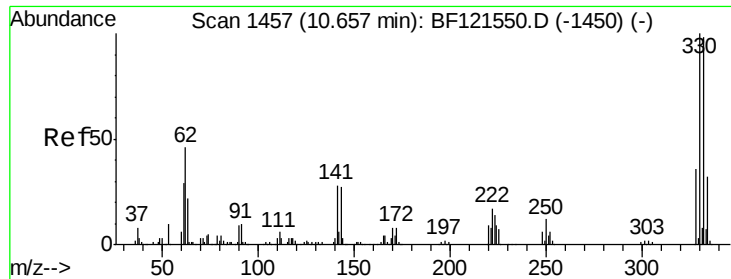
Tot Ion:122 Resp: 399
Ion Ratio Lower Upper
122 100
105 0.0 100.5 140.5#
77 0.0 72.6 112.6#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.86 min Scan# 1321
Delta R.T. -0.01 min
Lab File: BF121618.D
Acq: 18 Sep 2020 17:49

Tgt Ion:164 Resp: 276897
Ion Ratio Lower Upper
164 100
162 103.2 82.3 123.5
160 46.4 37.0 55.4





#42

2,4,6-Tribromophenol

Concen: 117.062 ng

RT: 10.65 min Scan# 1455

Delta R.T. -0.01 min

Lab File: BF121618.D

Acq: 18 Sep 2020 17:49

Instrument :

BNA_F

ClientSampleId :

PAV-B36-091620-10-15

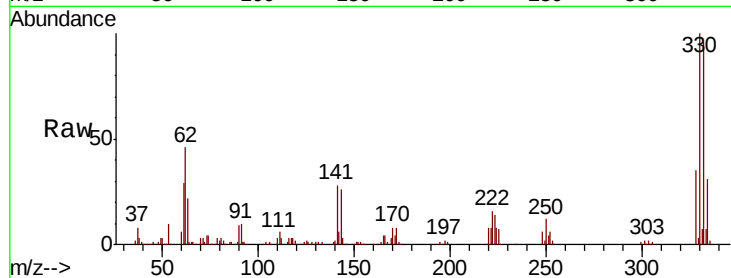
Tot Ion:330 Resp: 402864

Ion Ratio Lower Upper

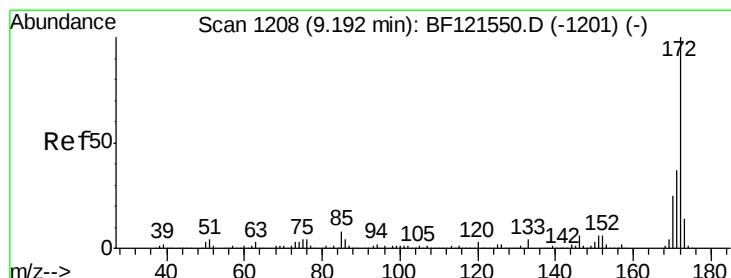
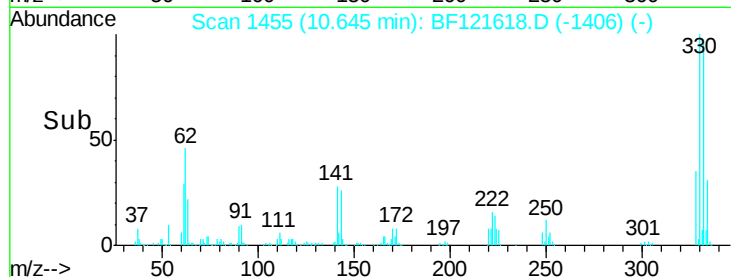
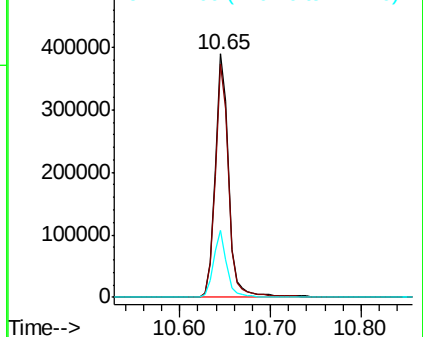
330 100

332 96.2 77.1 115.7

141 27.7 23.6 35.4



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: 72.049 ng

RT: 9.18 min Scan# 1206

Delta R.T. -0.01 min

Lab File: BF121618.D

Acq: 18 Sep 2020 17:49

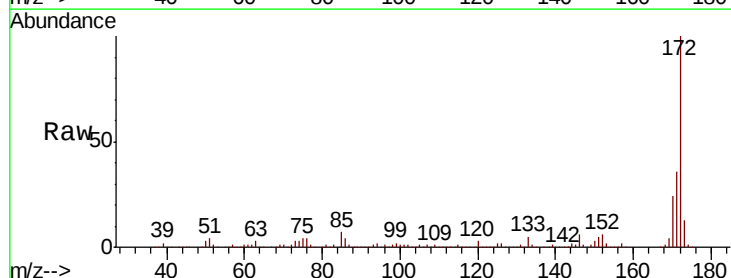
Tgt Ion:172 Resp: 1317256

Ion Ratio Lower Upper

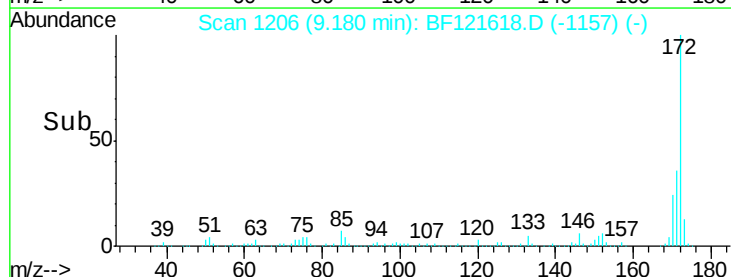
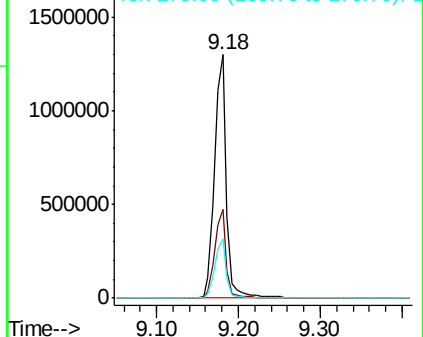
172 100

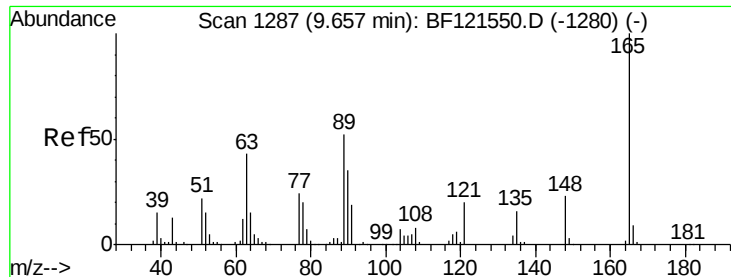
171 36.2 29.8 44.6

170 24.2 19.8 29.8



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

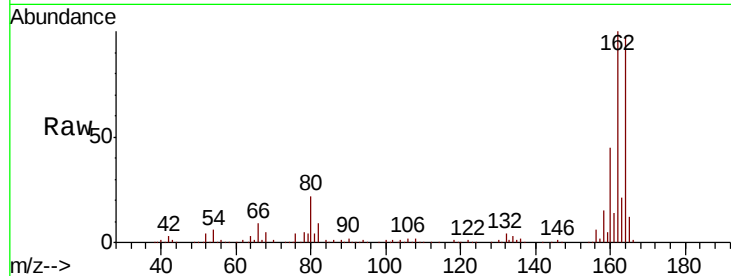




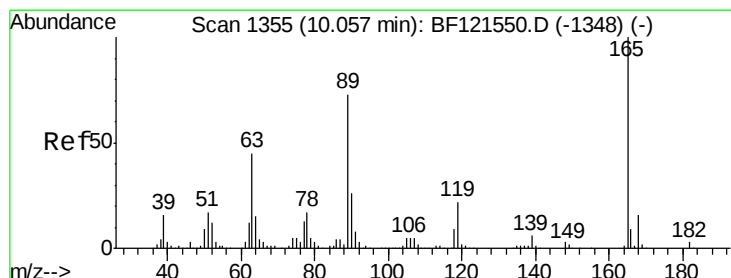
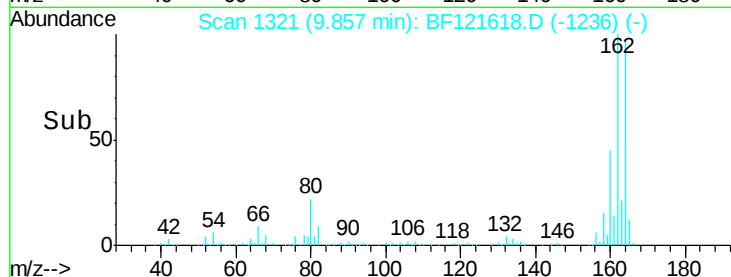
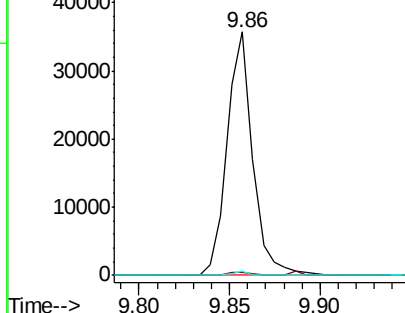
#51
 2,6-Dinitrotoluene
 Concen: 8.236 ng
 RT: 9.86 min Scan# 1321
 Delta R.T. 0.20 min
 Lab File: BF121618.D
 Acq: 18 Sep 2020 17:49

Instrument :
 BNA_F
 ClientSampleId :
 PAV-B36-091620-10-15

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.2	40.6	61.0#
89	1.6	41.8	62.8#



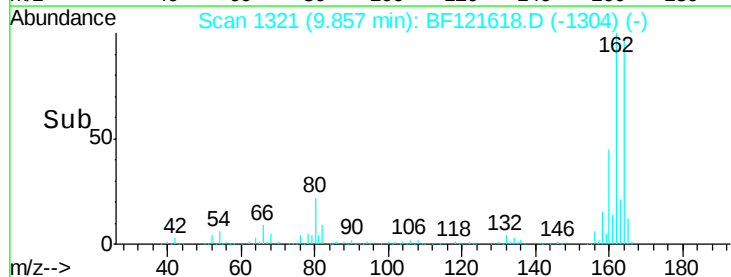
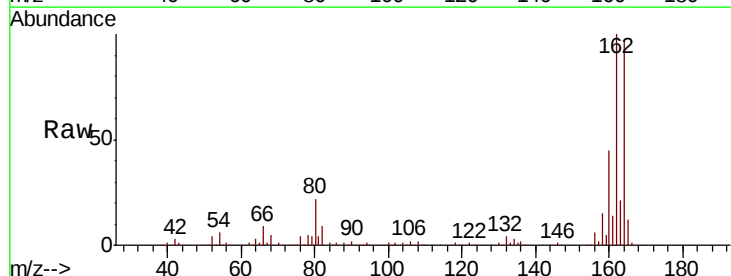
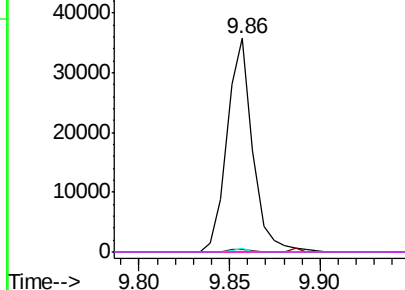
Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

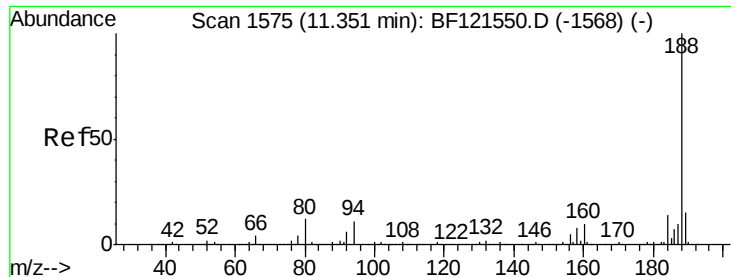


#57
 2,4-Dinitrotoluene
 Concen: 6.546 ng
 RT: 9.86 min Scan# 1321
 Delta R.T. -0.20 min
 Lab File: BF121618.D
 Acq: 18 Sep 2020 17:49

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.2	36.2	54.4#
89	1.6	58.2	87.4#
182	0.0	2.2	3.2#

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

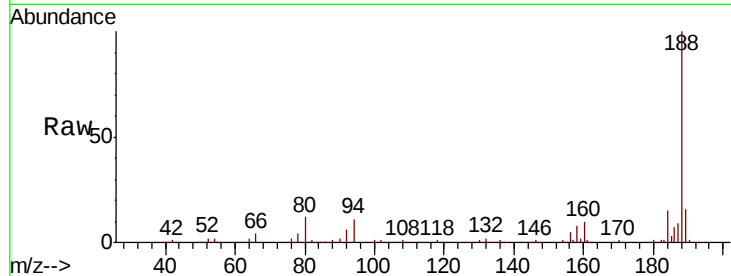




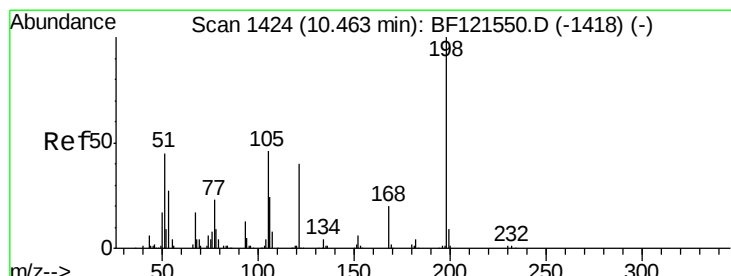
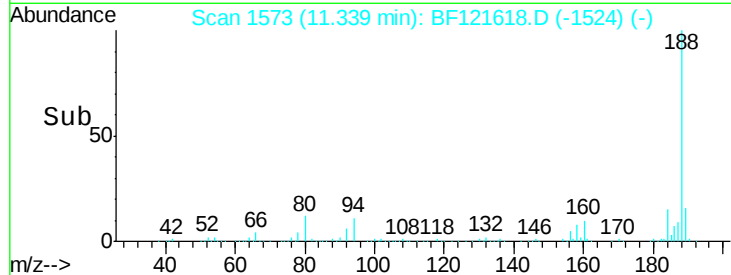
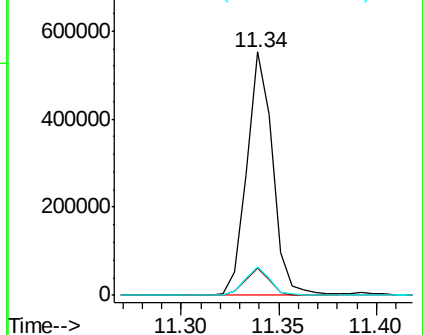
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.34 min Scan# 1573
Delta R.T. -0.01 min
Lab File: BF121618.D
Acq: 18 Sep 2020 17:49

Instrument :
BNA_F
ClientSampleId :
PAV-B36-091620-10-15

Tot Ion:188 Resp: 509275
Ion Ratio Lower Upper
188 100
94 11.1 8.7 13.1
80 12.0 9.3 13.9

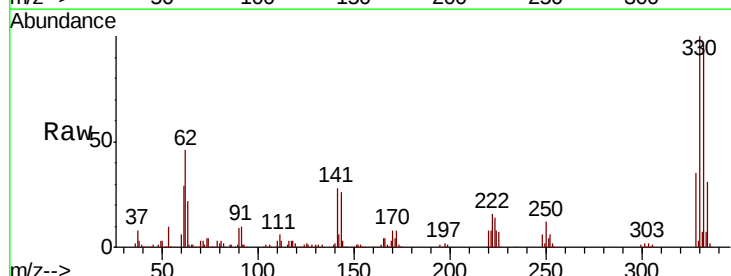


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

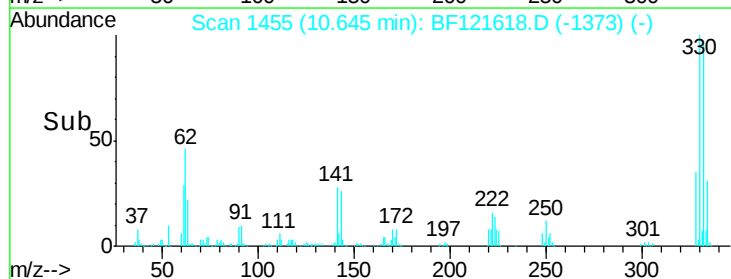
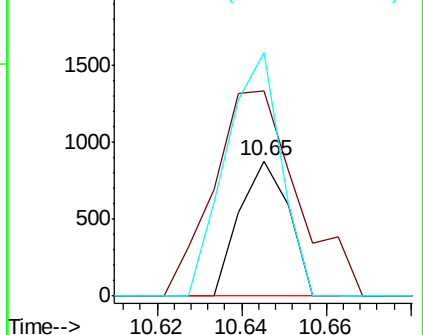


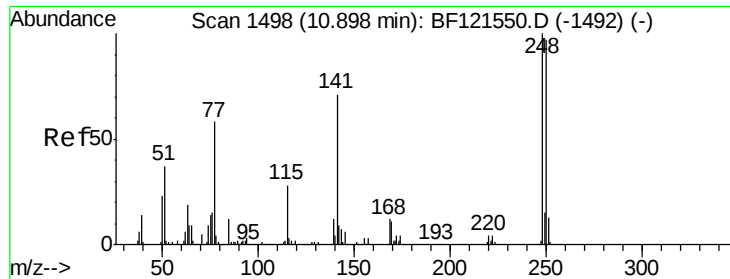
#65
4,6-Dinitro-2-methylphenol
Concen: 7.047 ng
RT: 10.65 min Scan# 1455
Delta R.T. 0.18 min
Lab File: BF121618.D
Acq: 18 Sep 2020 17:49

Tgt Ion:198 Resp: 710
Ion Ratio Lower Upper
198 100
51 151.8 31.1 71.1#
105 180.5 26.6 66.6#



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

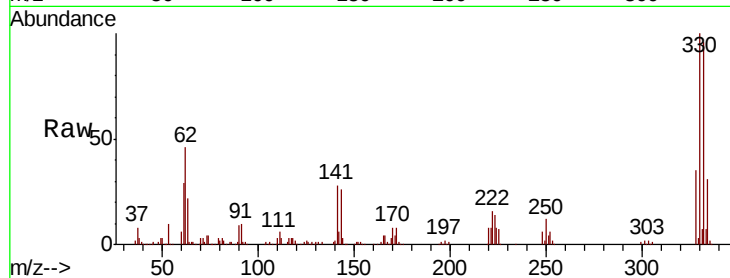




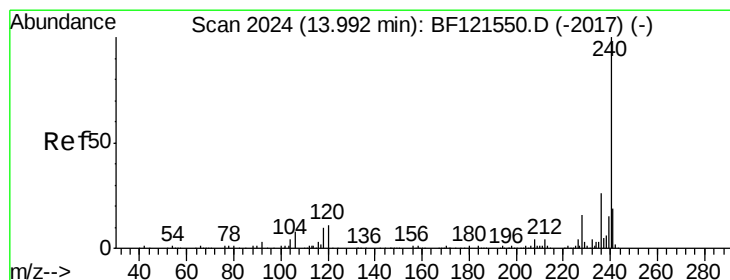
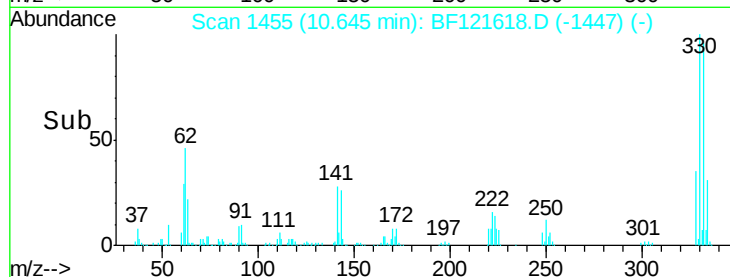
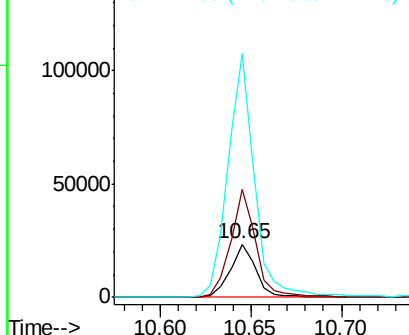
#67
 4-Bromophenyl-phenylether
 Concen: 3.997 ng
 RT: 10.65 min Scan# 1455
 Delta R.T. -0.25 min
 Lab File: BF121618.D
 Acq: 18 Sep 2020 17:49

Instrument :
 BNA_F
 ClientSampleId :
 PAV-B36-091620-10-15

Tot Ion	Ratio	Lower	Upper
248	100		
250	203.0	77.4	116.0#
141	459.3	56.7	85.1#

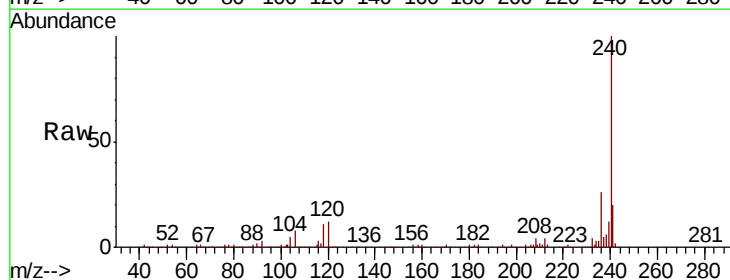


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

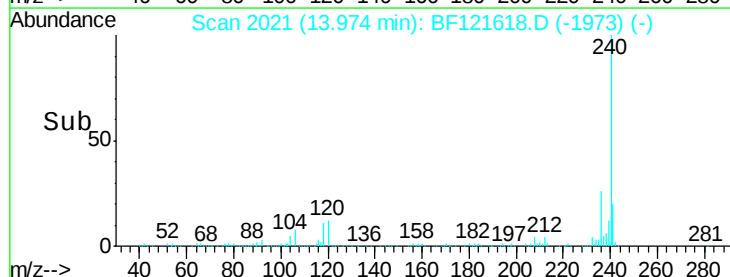
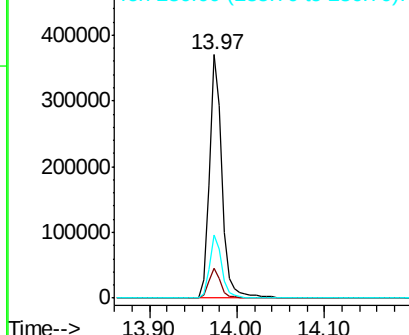


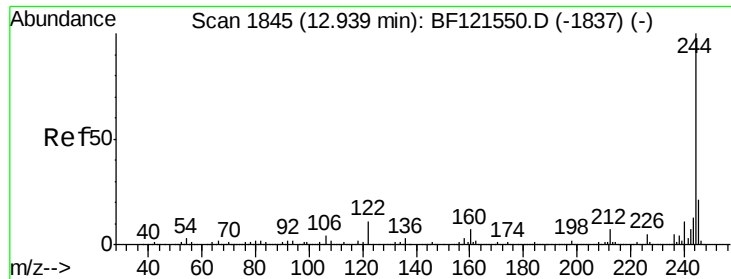
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.97 min Scan# 2021
 Delta R.T. -0.02 min
 Lab File: BF121618.D
 Acq: 18 Sep 2020 17:49

Tgt Ion	Ratio	Lower	Upper
240	100		
120	12.2	9.2	13.8
236	25.8	20.5	30.7



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





#79

Terphenyl-d14

Concen: 87.116 ng

RT: 12.93 min Scan# 1843

Delta R.T. -0.01 min

Lab File: BF121618.D

Acq: 18 Sep 2020 17:49

Instrument :

BNA_F

ClientSampleId :

PAV-B36-091620-10-15

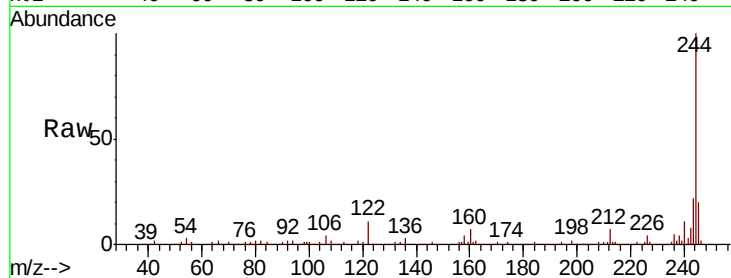
Tot Ion:244 Resp: 1588794

Ion Ratio Lower Upper

244 100

212 7.2 5.7 8.5

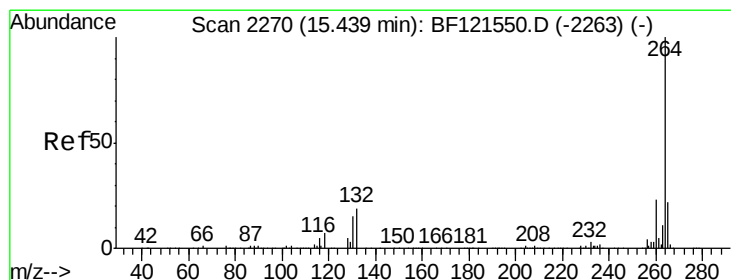
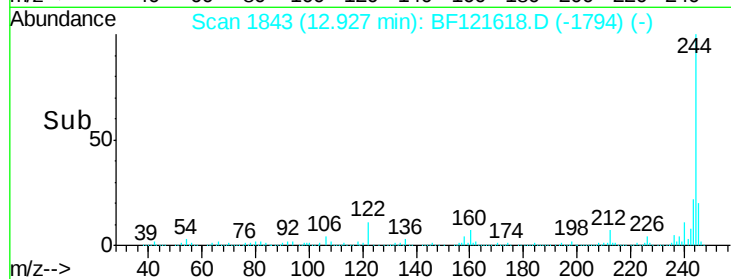
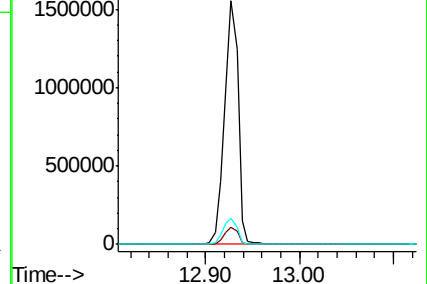
122 10.9 8.7 13.1



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: 15.43 min Scan# 2268

Delta R.T. -0.01 min

Lab File: BF121618.D

Acq: 18 Sep 2020 17:49

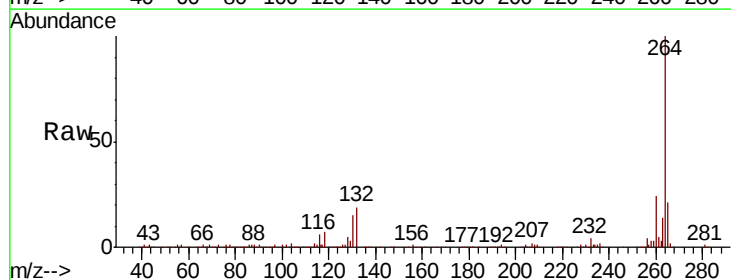
Tgt Ion:264 Resp: 343192

Ion Ratio Lower Upper

264 100

260 23.8 18.8 28.2

265 21.4 17.8 26.6



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

