

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100920\
 Data File : BF121911.D
 Acq On : 9 Oct 2020 17:44
 Operator : JU/CG
 Sample : L4310-02 10X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 215620

Quant Time: Oct 10 01:16:29 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

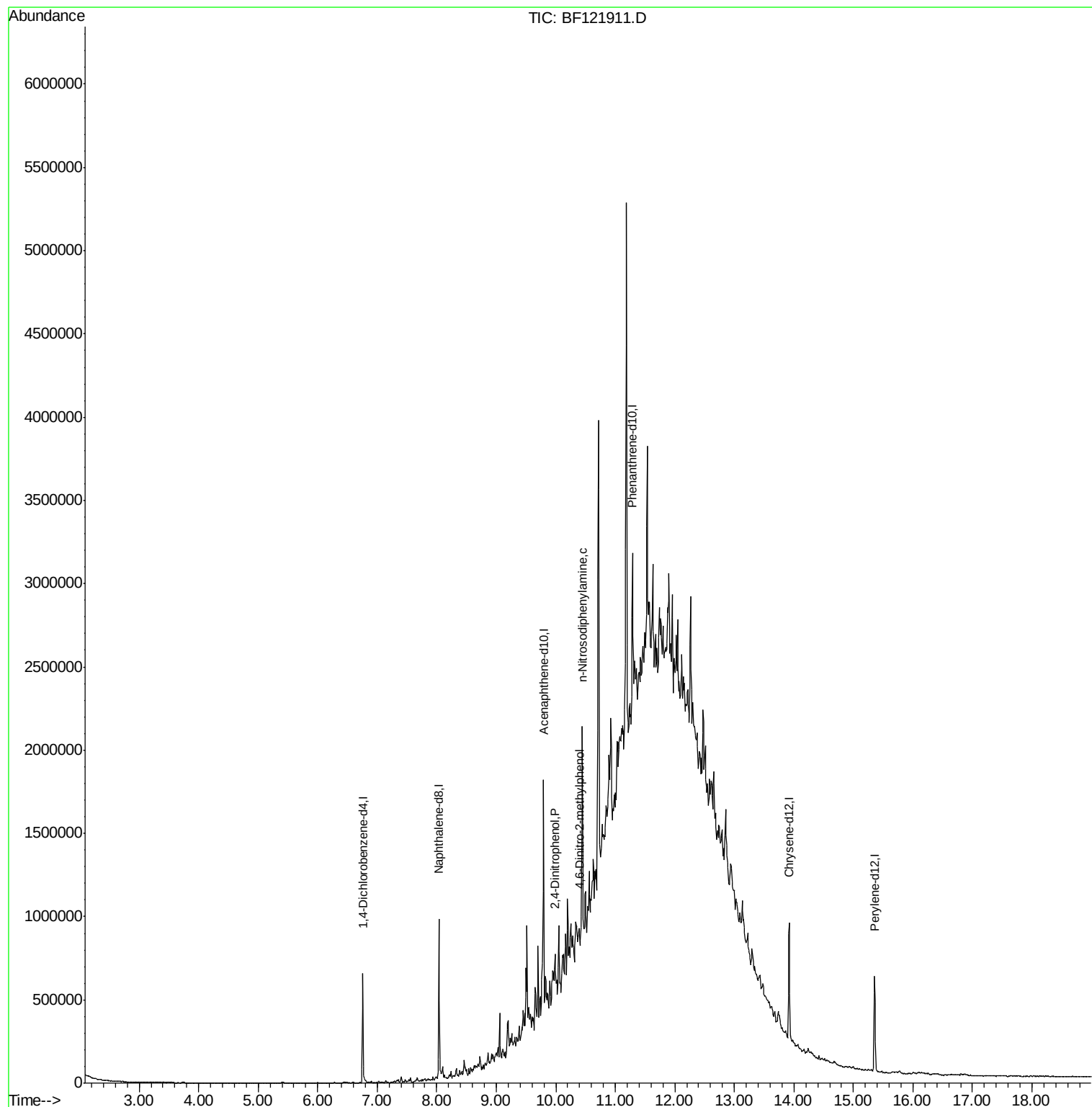
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.76	152	103818	20.00	ng	-0.01
21) Naphthalene-d8	8.04	136	415072	20.00	ng	-0.02
39) Acenaphthene-d10	9.79	164	194139	20.00	ng	-0.02
64) Phenanthrene-d10	11.29	188	288757	20.00	ng	0.00
76) Chrysene-d12	13.92	240	247127	20.00	ng	-0.01
86) Perylene-d12	15.36	264	262614	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.40	112	5630	0.81	ng	0.02
7) Phenol-d6	6.45	99	8136	0.89	ng	0.03
23) Nitrobenzene-d5	7.33	82	5903	0.76	ng	0.00
42) 2,4,6-Tribromophenol	10.59	330	1575	0.65	ng	-0.01
45) 2-Fluorobiphenyl	9.12	172	14841	1.16	ng	-0.02
79) Terphenyl-d14	12.86	244	12178	1.00	ng	-0.02
Target Compounds						
54) 2,4-Dinitrophenol	9.99	184	247	9.174	ng	# 1
65) 4,6-Dinitro-2-methylphenol	10.40	198	696	7.189	ng	# 1
66) n-Nitrosodiphenylamine	10.45	169	26173	2.642	ng	# 50

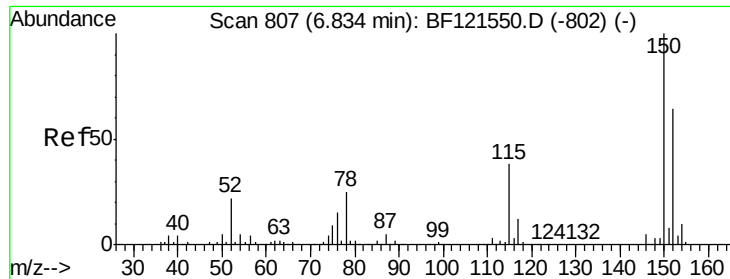
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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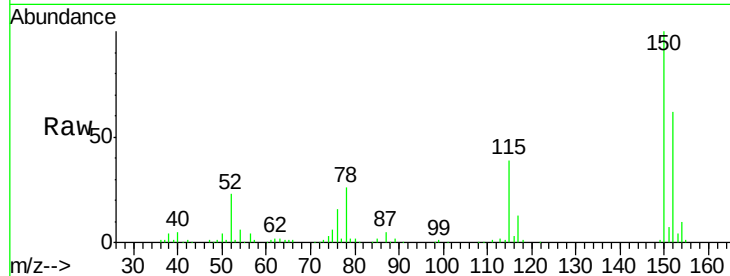


#1

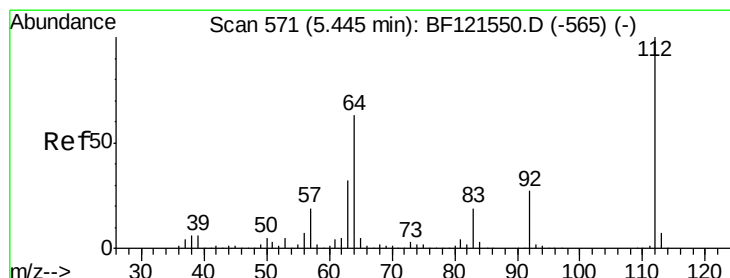
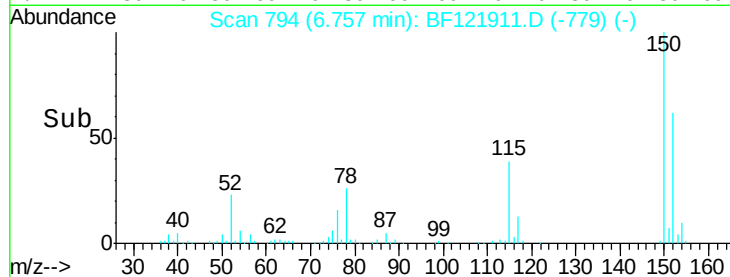
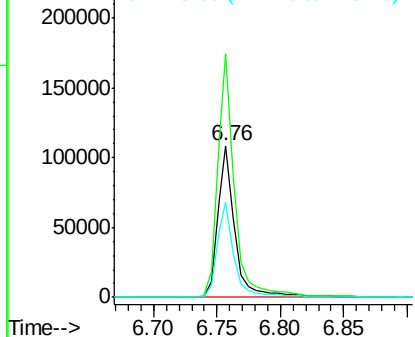
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.76 min Scan# 794
Delta R.T. -0.01 min
Lab File: BF121911.D
Acq: 9 Oct 2020 17:44

Instrument :
BNA_F
ClientSampleId :
215620

Tot Ion:152 Resp: 103818
Ion Ratio Lower Upper
152 100
150 160.1 125.3 187.9
115 62.3 51.9 77.9



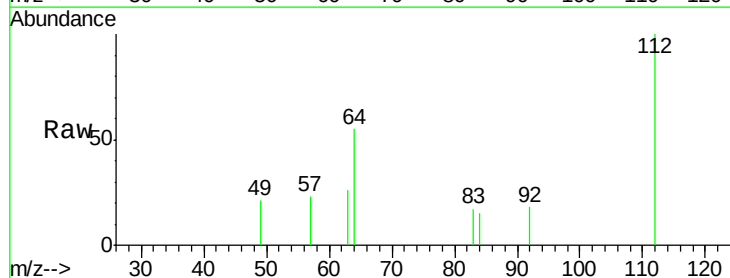
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



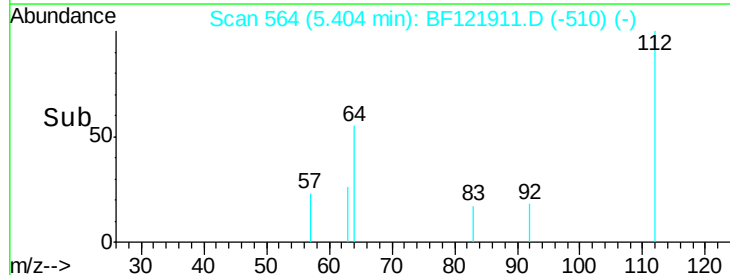
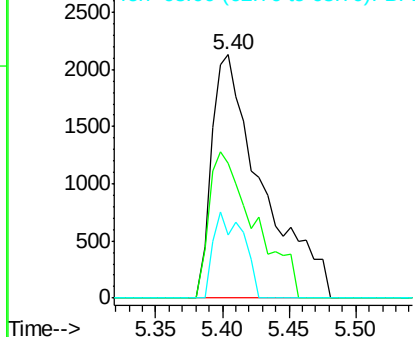
#5

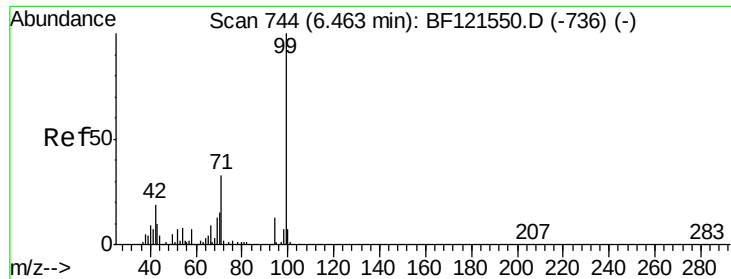
2-Fluorophenol
Concen: 0.806 ng
RT: 5.40 min Scan# 564
Delta R.T. 0.02 min
Lab File: BF121911.D
Acq: 9 Oct 2020 17:44

Tgt Ion:112 Resp: 5630
Ion Ratio Lower Upper
112 100
64 55.1 50.4 75.6
63 26.0 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: 0.888 ng

RT: 6.45 min Scan# 741

Delta R.T. 0.03 min

Lab File: BF121911.D

Acq: 9 Oct 2020 17:44

Instrument :

BNA_F

ClientSampleId :

215620

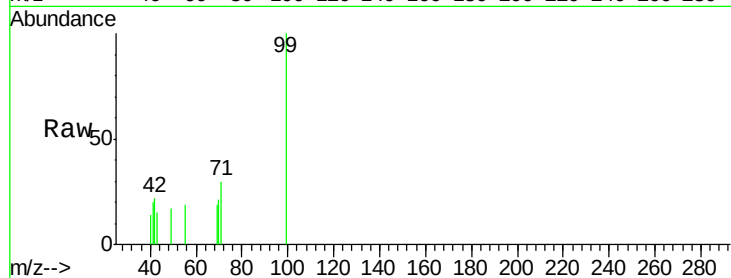
Tot Ion: 99 Resp: 8136

Ion Ratio Lower Upper

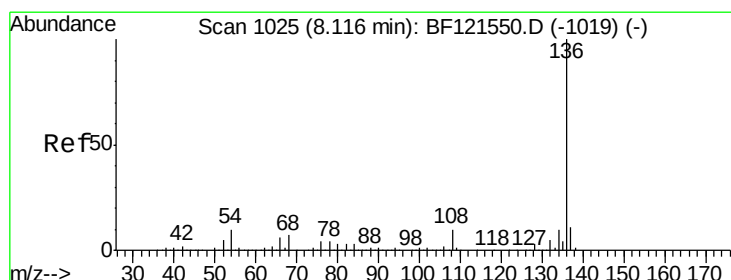
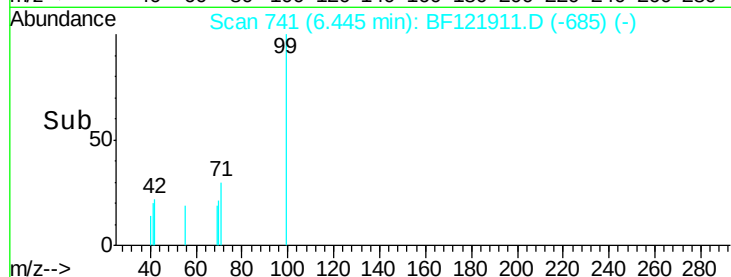
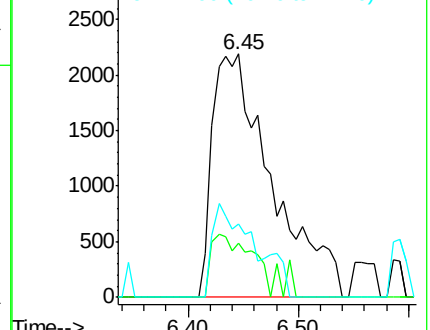
99 100

42 22.3 15.9 23.9

71 30.3 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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.04 min Scan# 1012

Delta R.T. -0.02 min

Lab File: BF121911.D

Acq: 9 Oct 2020 17:44

Tgt Ion: 136 Resp: 415072

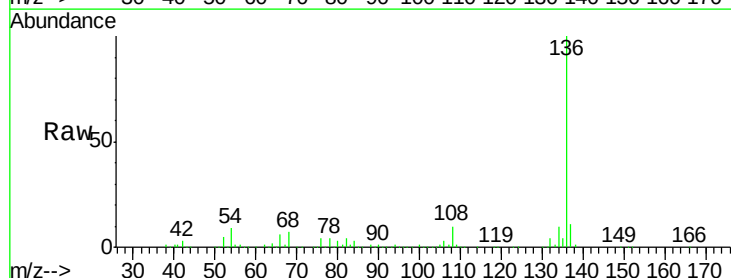
Ion Ratio Lower Upper

136 100

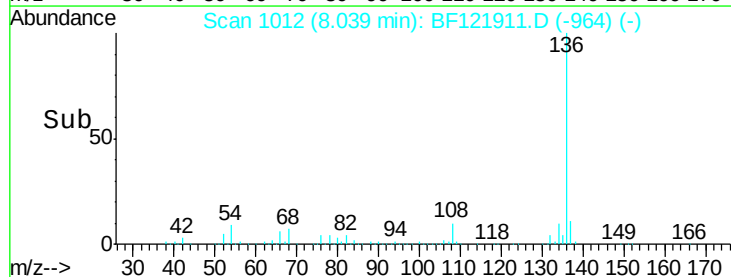
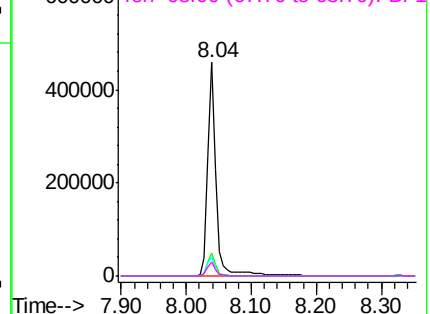
137 11.0 8.6 13.0

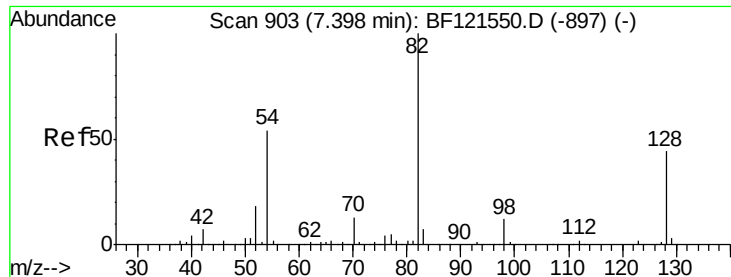
54 9.2 7.1 10.7

68 6.8 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

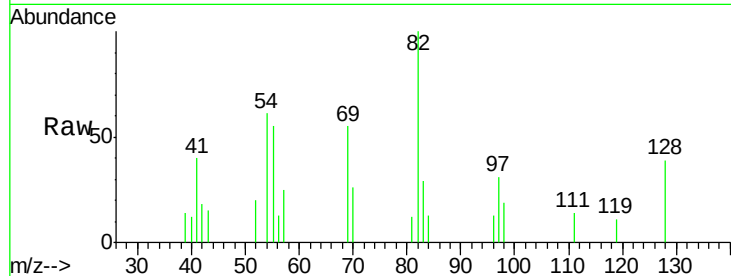




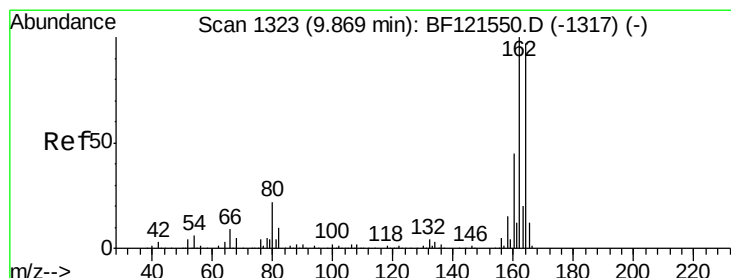
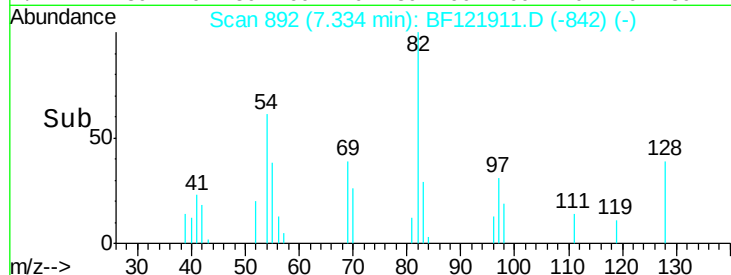
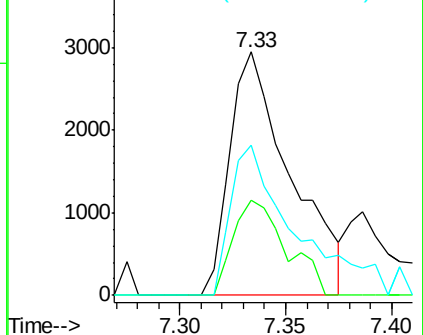
#23
 Nitrobenzene-d5
 Concen: 0.764 ng
 RT: 7.33 min Scan# 892
 Delta R.T. -0.01 min
 Lab File: BF121911.D
 Acq: 9 Oct 2020 17:44

Instrument :
 BNA_F
 ClientSampleId :
 215620

Tot Ion: 82 Resp: 5903
 Ion Ratio Lower Upper
 82 100
 128 39.0 35.0 52.4
 54 61.4 43.9 65.9

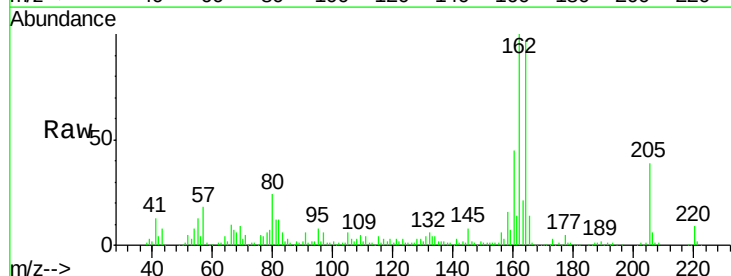


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

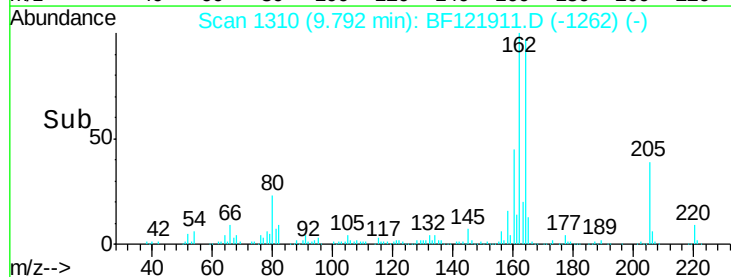
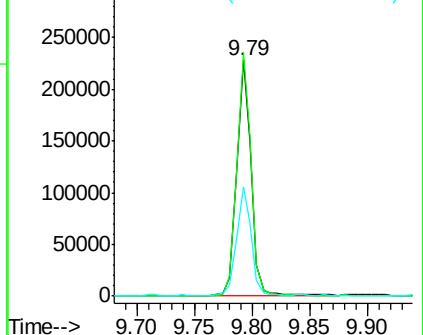


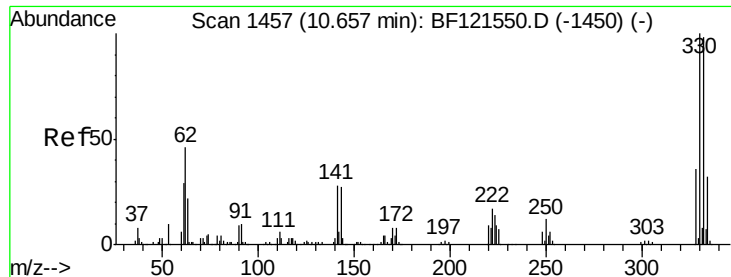
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.79 min Scan# 1310
 Delta R.T. -0.02 min
 Lab File: BF121911.D
 Acq: 9 Oct 2020 17:44

Tgt Ion: 164 Resp: 194139
 Ion Ratio Lower Upper
 164 100
 162 103.3 83.2 124.8
 160 46.5 37.5 56.3



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: 0.653 ng

RT: 10.59 min Scan# 1446

Delta R.T. -0.01 min

Lab File: BF121911.D

Acq: 9 Oct 2020 17:44

Instrument :

BNA_F

ClientSampleId :

215620

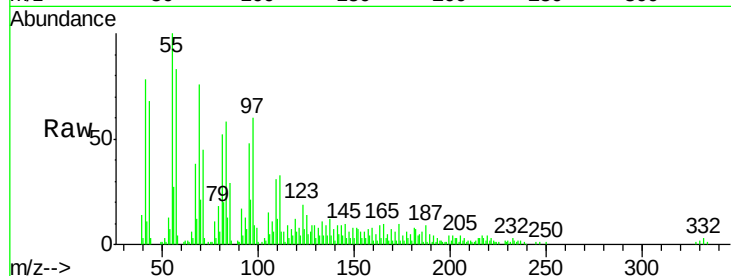
Tot Ion:330 Resp: 1575

Ion Ratio Lower Upper

330 100

332 102.2 77.3 115.9

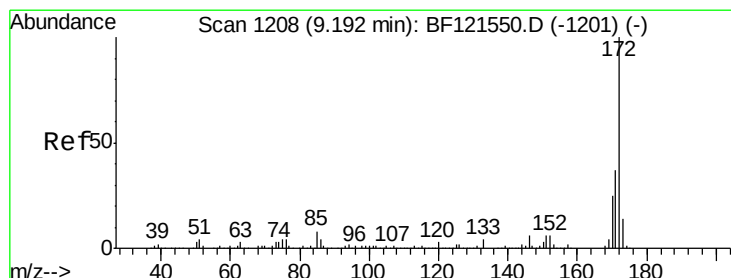
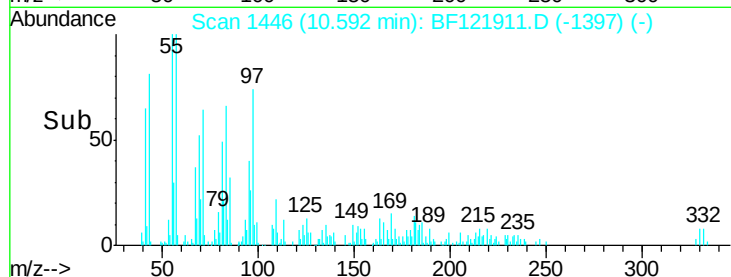
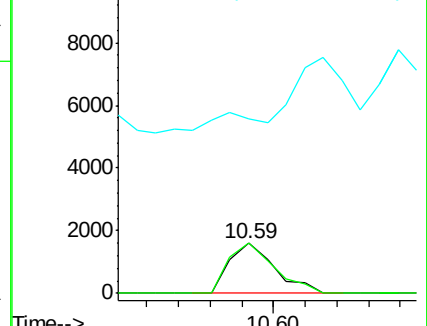
141 0.0 22.3 33.5#



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: 1.158 ng

RT: 9.12 min Scan# 1195

Delta R.T. -0.02 min

Lab File: BF121911.D

Acq: 9 Oct 2020 17:44

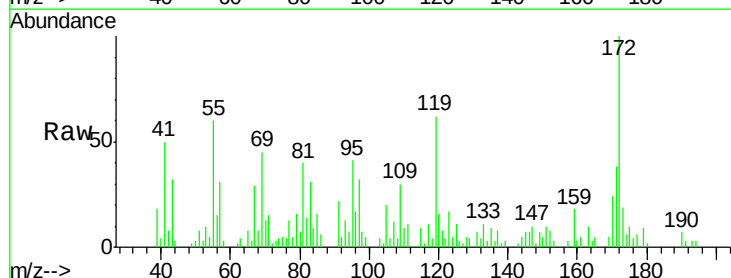
Tgt Ion:172 Resp: 14841

Ion Ratio Lower Upper

172 100

171 38.4 29.1 43.7

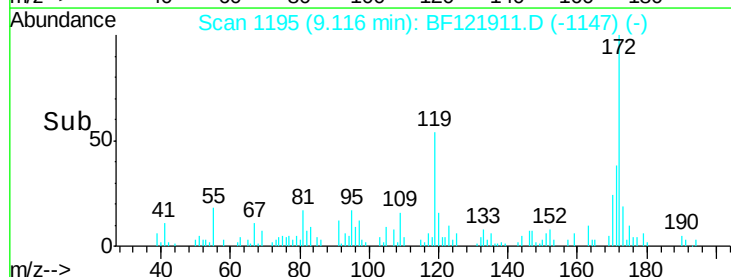
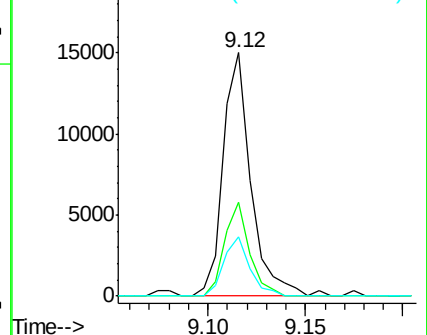
170 24.4 19.8 29.6

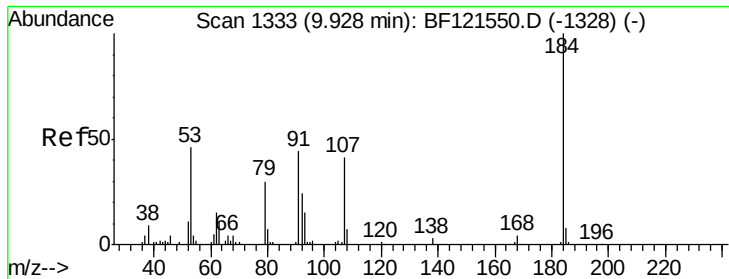


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

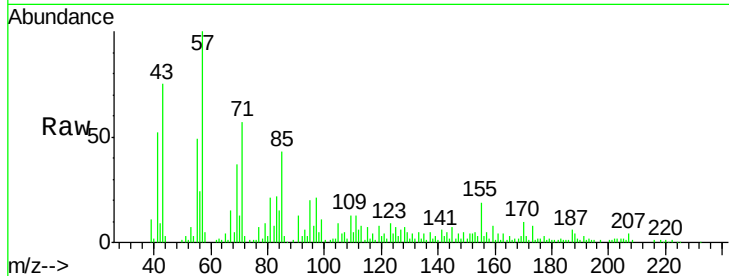




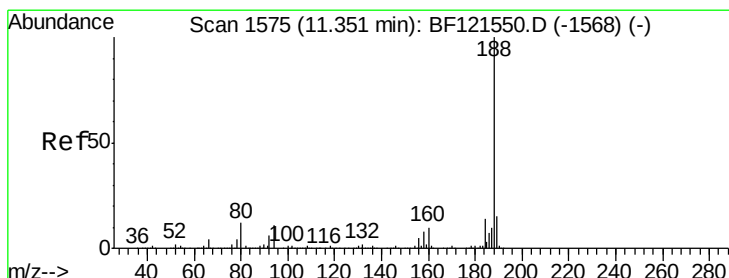
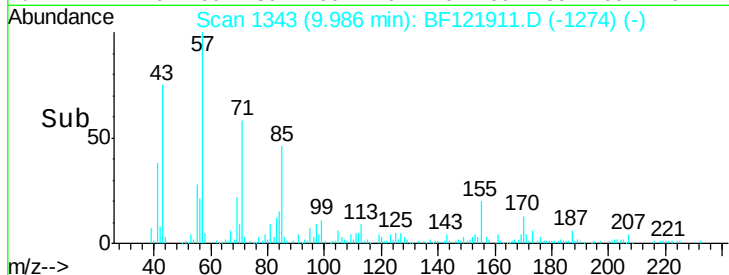
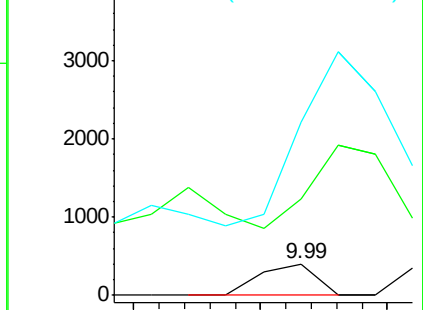
#54
 2,4-Dinitrophenol
 Concen: 9.174 ng
 RT: 9.99 min Scan# 1343
 Delta R.T. 0.11 min
 Lab File: BF121911.D
 Acq: 9 Oct 2020 17:44

Instrument :
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Tot Ion:184 Resp: 247
 Ion Ratio Lower Upper
 184 100
 63 309.5 45.9 68.9#
 154 554.5 45.8 68.6#

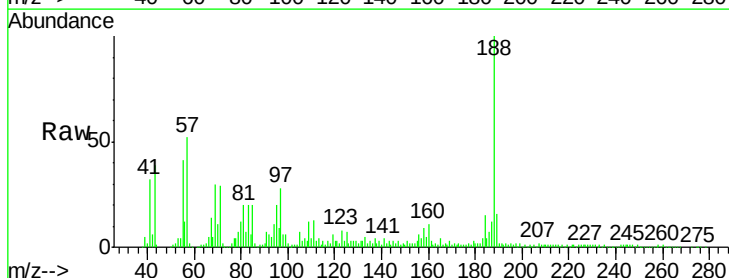


Abundance Ion 184.00 (183.70 to 184.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 154.00 (153.70 to 154.70): E

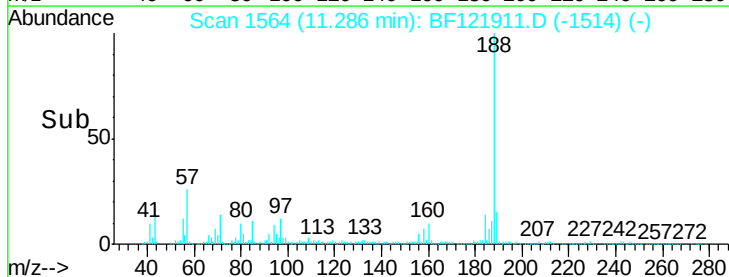
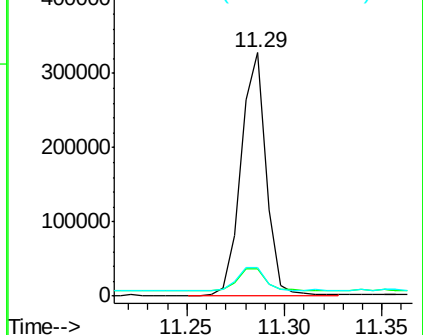


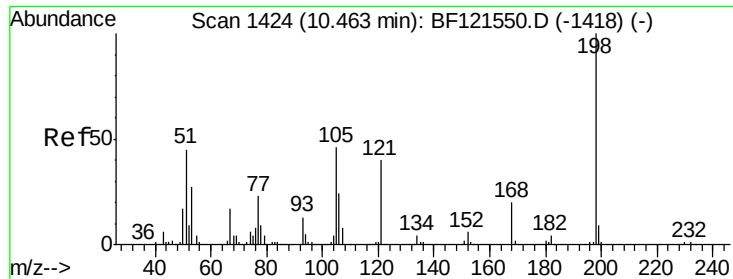
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.29 min Scan# 1564
 Delta R.T. -0.01 min
 Lab File: BF121911.D
 Acq: 9 Oct 2020 17:44

Tgt Ion:188 Resp: 288757
 Ion Ratio Lower Upper
 188 100
 94 11.2 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: 7.189 ng

RT: 10.40 min Scan# 1414

Delta R.T. -0.01 min

Lab File: BF121911.D

Acq: 9 Oct 2020 17:44

Instrument :

BNA_F

ClientSampleId :

215620

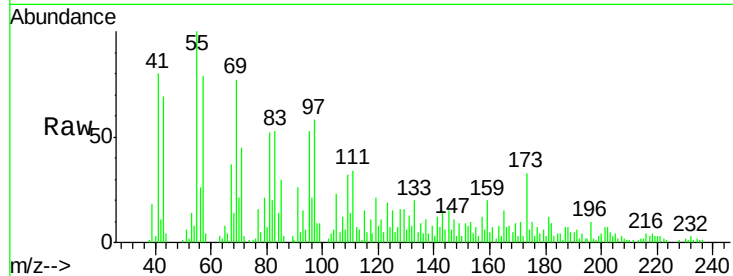
Tot Ion:198 Resp: 696

Ion Ratio Lower Upper

198 100

51 457.7 29.6 69.6#

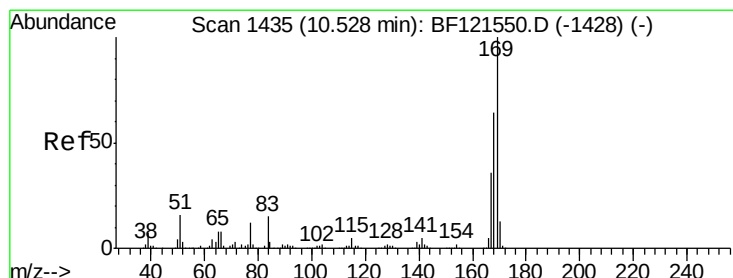
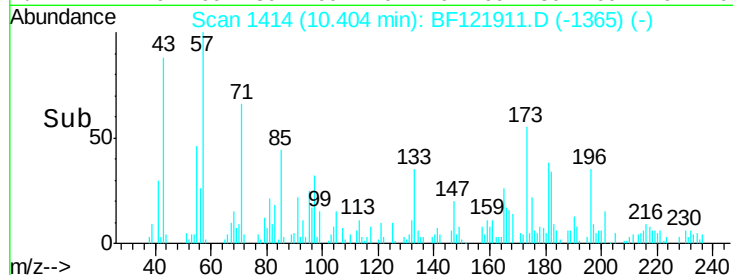
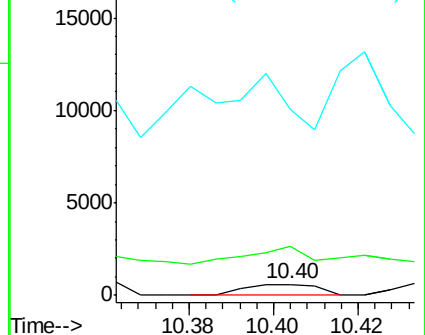
105 1746.8 24.4 64.4#



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



#66

n-Nitrosodiphenylamine

Concen: 2.642 ng

RT: 10.45 min Scan# 1422

Delta R.T. -0.02 min

Lab File: BF121911.D

Acq: 9 Oct 2020 17:44

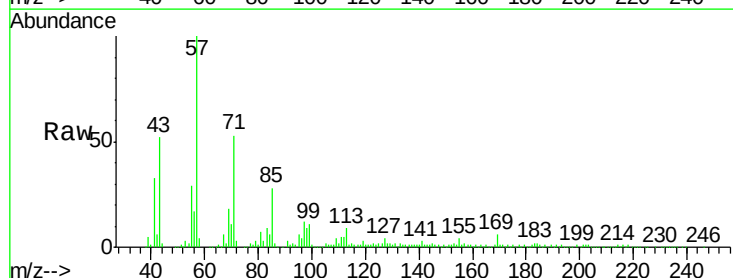
Tgt Ion:169 Resp: 26173

Ion Ratio Lower Upper

169 100

168 21.9 50.0 75.0#

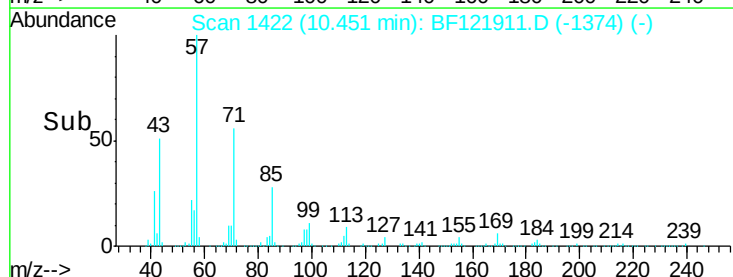
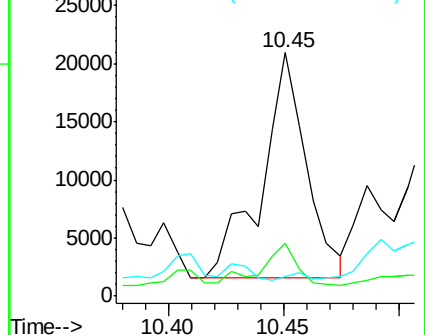
167 8.2 27.8 41.6#

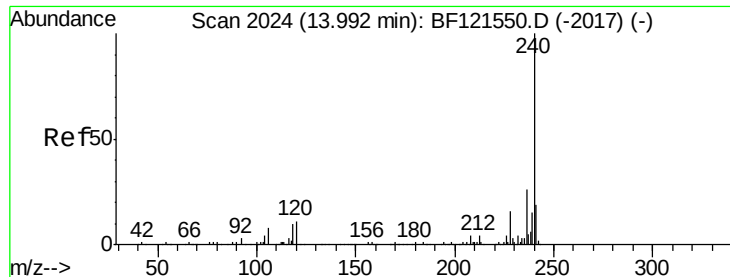


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E

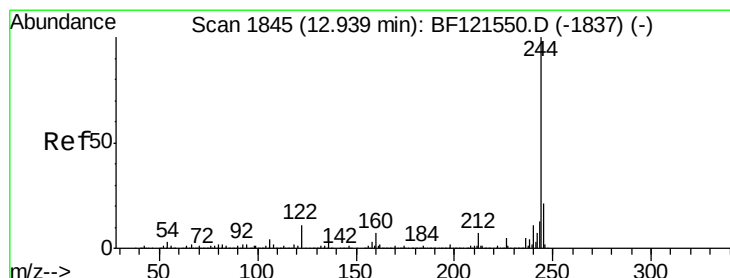
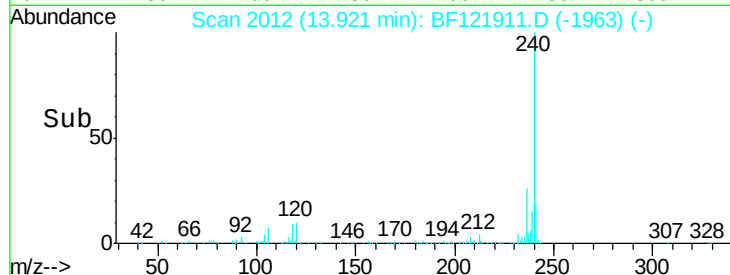
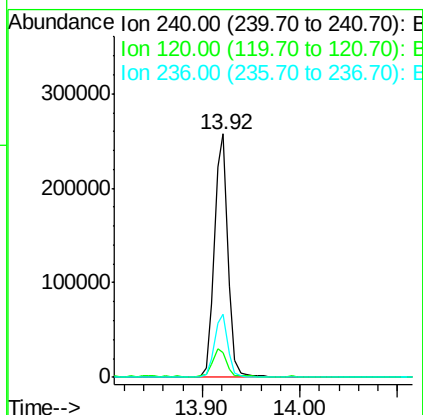
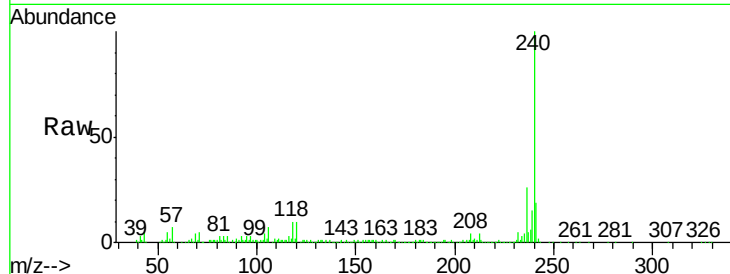




#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.92 min Scan# 2012
 Delta R.T. -0.01 min
 Lab File: BF121911.D
 Acq: 9 Oct 2020 17:44

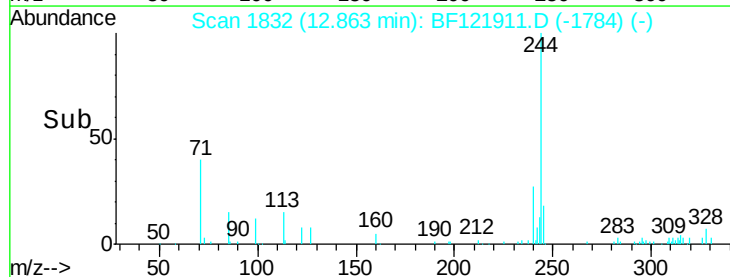
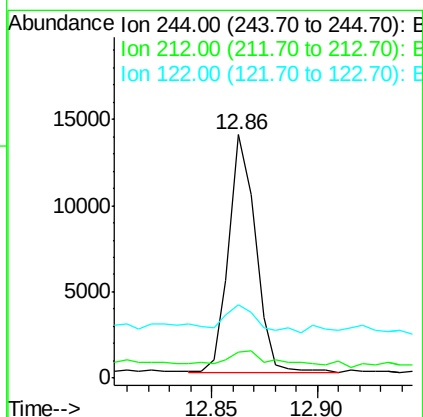
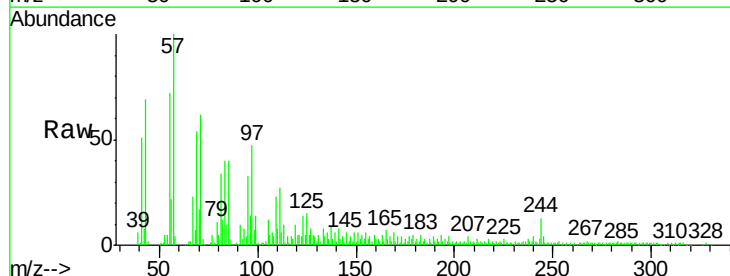
Instrument :
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 215620

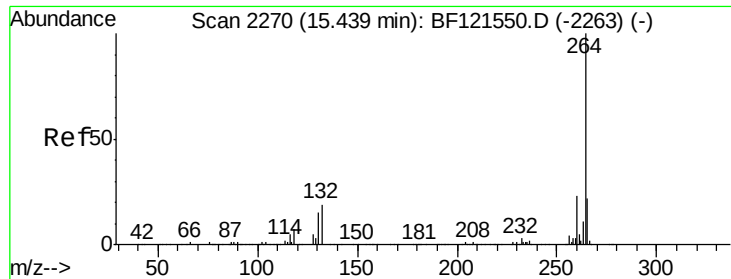
Tot Ion:240 Resp: 247127
 Ion Ratio Lower Upper
 240 100
 120 10.3 9.2 13.8
 236 25.7 20.9 31.3



#79
 Terphenyl-d14
 Concen: 0.998 ng
 RT: 12.86 min Scan# 1832
 Delta R.T. -0.02 min
 Lab File: BF121911.D
 Acq: 9 Oct 2020 17:44

Tgt Ion:244 Resp: 12178
 Ion Ratio Lower Upper
 244 100
 212 10.6 5.4 8.2#
 122 30.1 8.1 12.1#





#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.36 min Scan# 2256
Delta R.T. -0.01 min
Lab File: BF121911.D
Acq: 9 Oct 2020 17:44

Instrument :
BNA_F
ClientSampleId :
215620

Tot Ion:264 Resp: 262614

Ion	Ratio	Lower	Upper
264	100		
260	23.7	18.7	28.1
265	21.4	17.3	25.9

