

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100920\
 Data File : BF121912.D
 Acq On : 9 Oct 2020 18:16
 Operator : JU/CG
 Sample : L4310-01 10X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 39424

Quant Time: Oct 10 01:16:44 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

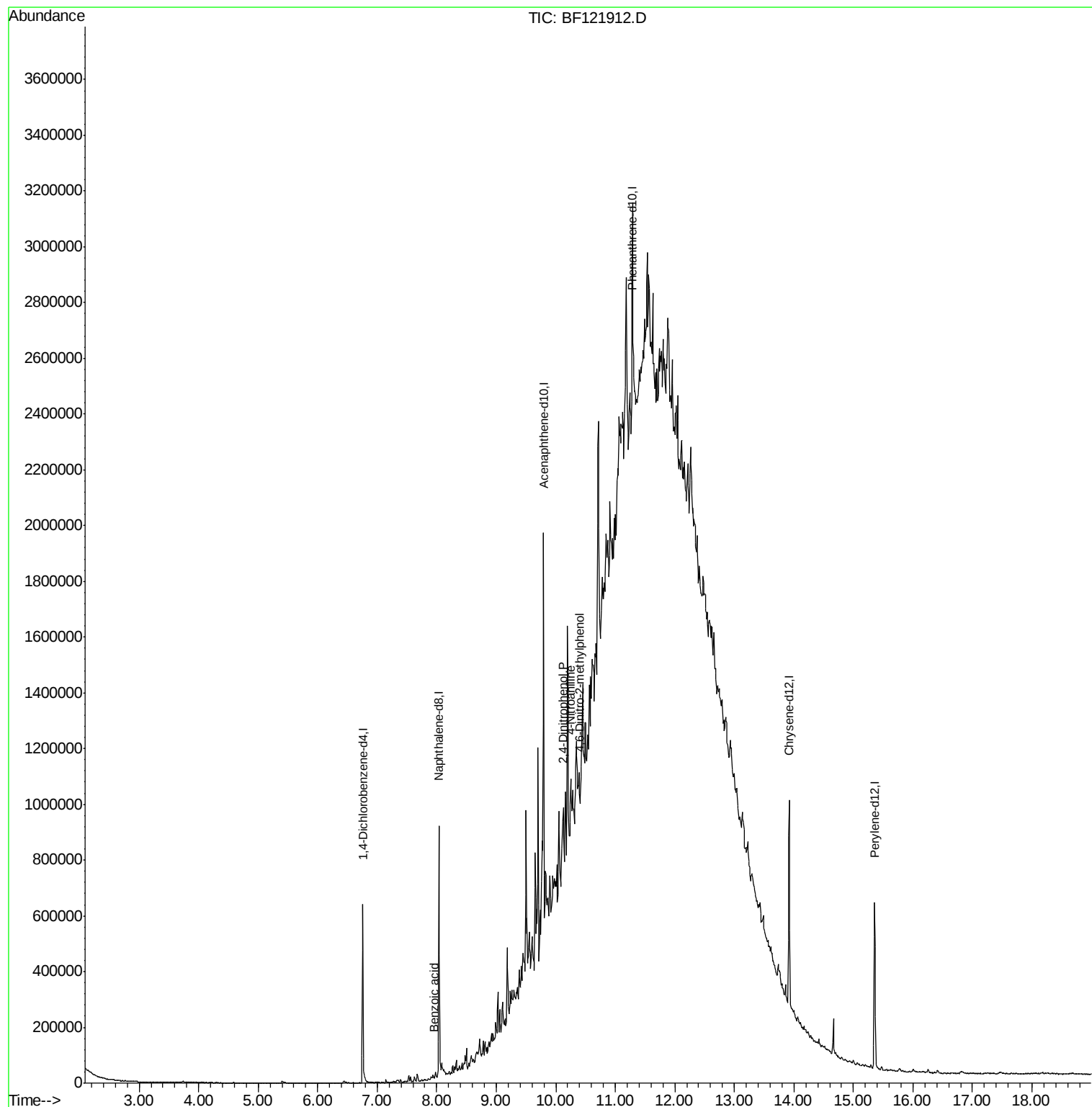
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.76	152	103146	20.00	ng	-0.01
21) Naphthalene-d8	8.04	136	418089	20.00	ng	-0.02
39) Acenaphthene-d10	9.79	164	191043	20.00	ng	-0.02
64) Phenanthrene-d10	11.29	188	287653	20.00	ng	0.00
76) Chrysene-d12	13.92	240	251396	20.00	ng	-0.01
86) Perylene-d12	15.36	264	267059	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.40	112	4531	0.65	ng	0.01
7) Phenol-d6	6.43	99	7242	0.80	ng	0.02
23) Nitrobenzene-d5	7.33	82	5390	0.69	ng	0.00
42) 2,4,6-Tribromophenol	10.59	330	1351	0.57	ng	-0.01
45) 2-Fluorobiphenyl	9.12	172	14947	1.18	ng	-0.02
79) Terphenyl-d14	12.86	244	11869	0.96	ng	-0.02
Target Compounds						
32) Benzoic acid	7.96	122	141	6.959	ng	# 1
54) 2,4-Dinitrophenol	10.13	184	2028	10.105	ng	96
62) 4-Nitroaniline	10.25	138	8465	2.496	ng	86
65) 4,6-Dinitro-2-methylphenol	10.41	198	761	7.222	ng	# 1

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

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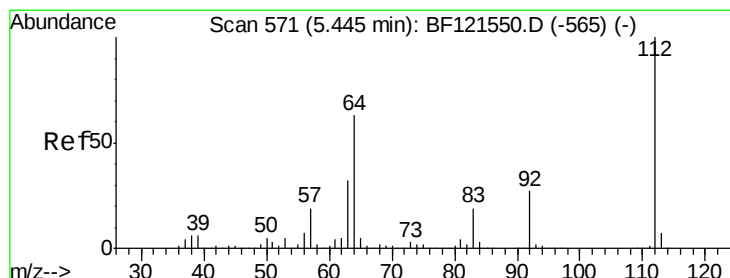
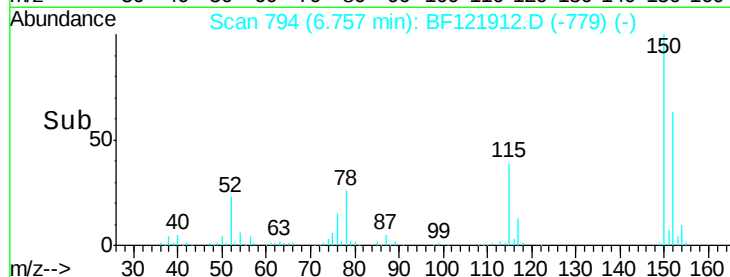
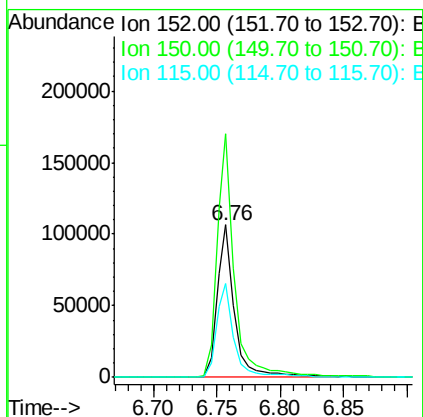
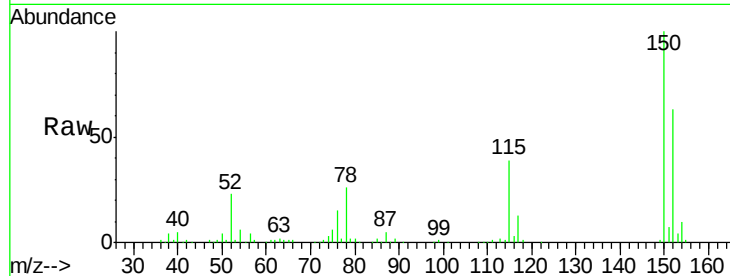


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.76 min Scan# 794
Delta R.T. -0.01 min
Lab File: BF121912.D
Acq: 9 Oct 2020 18:16

Instrument :
BNA_F
ClientSampleId :
39424

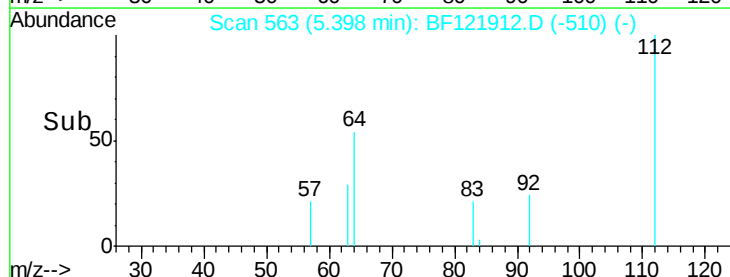
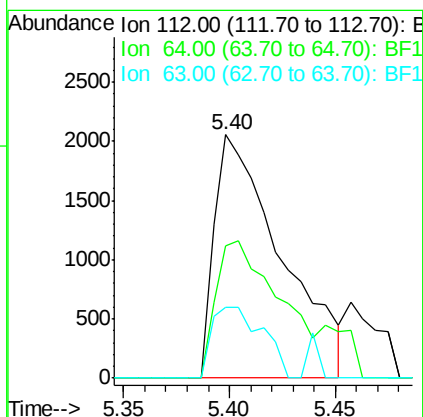
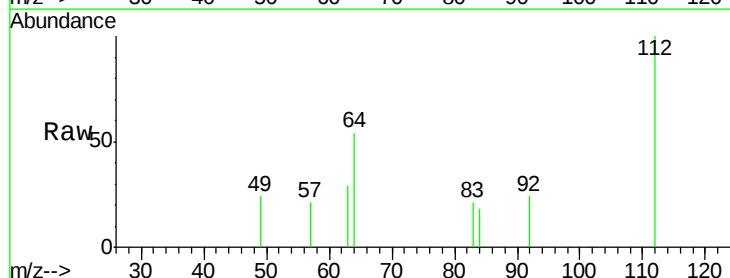
Tot Ion:152 Resp: 103146
Ion Ratio Lower Upper
152 100
150 159.6 125.3 187.9
115 61.6 51.9 77.9



#5

2-Fluorophenol
Concen: 0.653 ng
RT: 5.40 min Scan# 563
Delta R.T. 0.01 min
Lab File: BF121912.D
Acq: 9 Oct 2020 18:16

Tgt Ion:112 Resp: 4531
Ion Ratio Lower Upper
112 100
64 54.2 50.4 75.6
63 29.0 25.8 38.6





#7

Phenol-d6

Concen: 0.795 ng

RT: 6.43 min Scan# 739

Delta R.T. 0.02 min

Lab File: BF121912.D

Acq: 9 Oct 2020 18:16

Instrument :

BNA_F

ClientSampleId :

39424

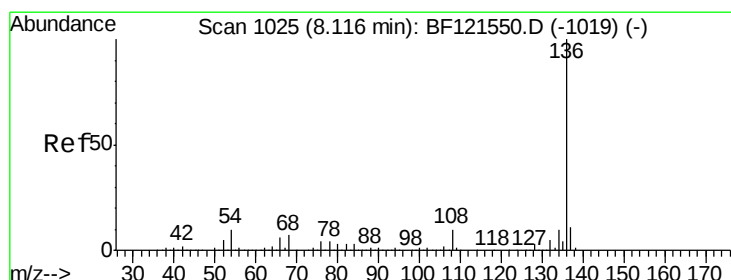
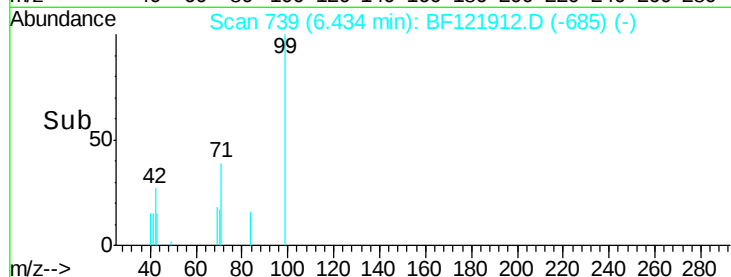
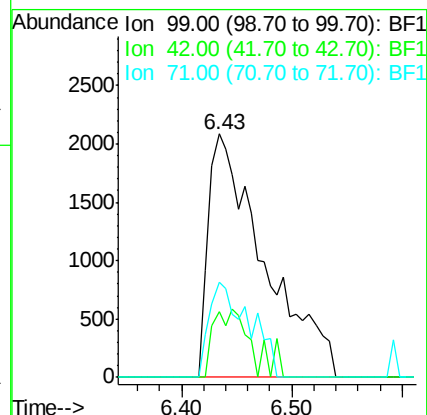
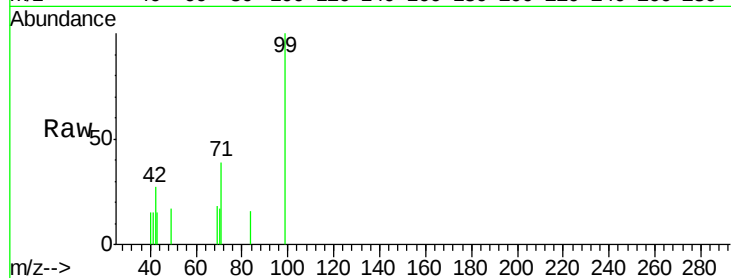
Tot Ion: 99 Resp: 7242

Ion Ratio Lower Upper

99 100

42 26.7 15.9 23.9#

71 39.1 27.1 40.7



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.04 min Scan# 1012

Delta R.T. -0.02 min

Lab File: BF121912.D

Acq: 9 Oct 2020 18:16

Tgt Ion: 136 Resp: 418089

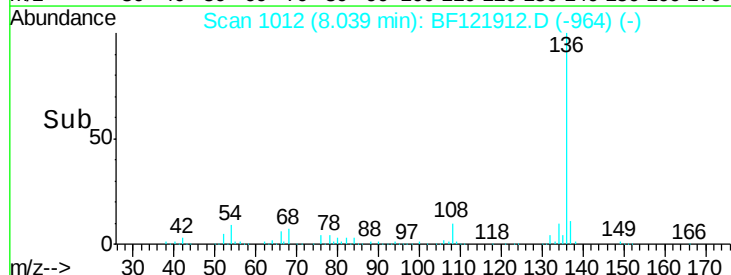
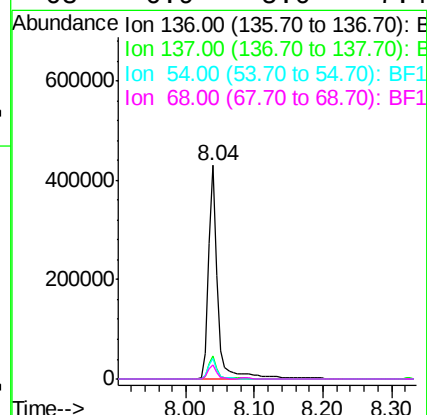
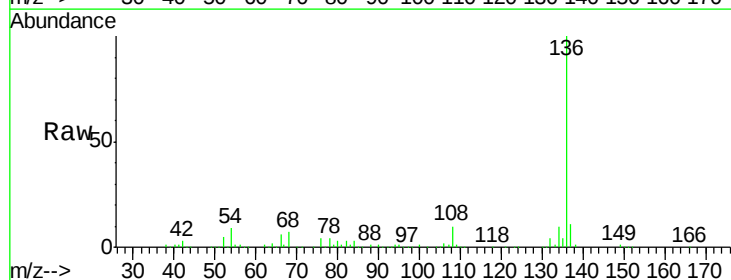
Ion Ratio Lower Upper

136 100

137 11.0 8.6 13.0

54 9.5 7.1 10.7

68 6.9 5.0 7.4

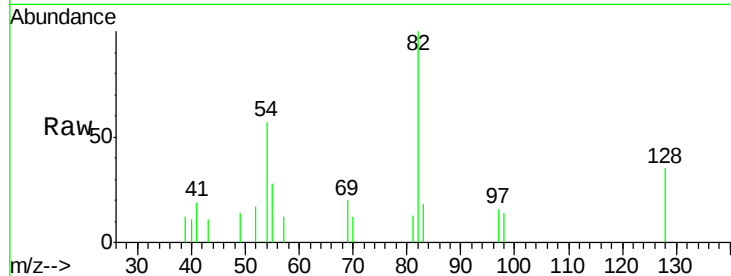




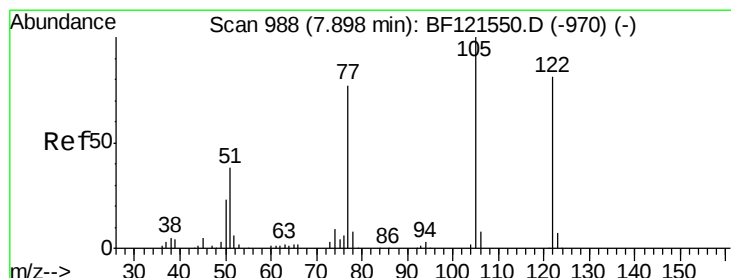
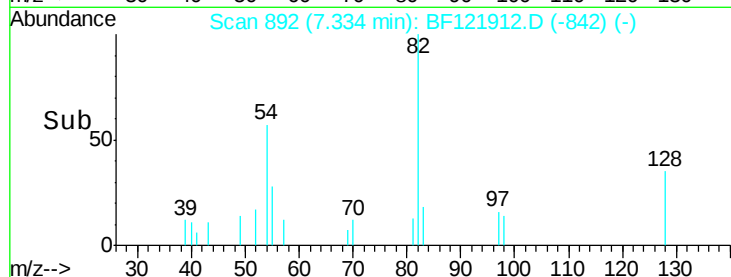
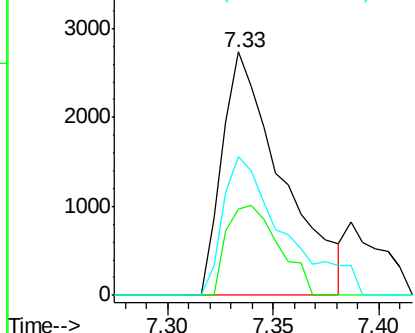
#23
Nitrobenzene-d5
Concen: 0.692 ng
RT: 7.33 min Scan# 892
Delta R.T. -0.01 min
Lab File: BF121912.D
Acq: 9 Oct 2020 18:16

Instrument :
BNA_F
ClientSampleId :
39424

Tot Ion: 82 Resp: 5390
Ion Ratio Lower Upper
82 100
128 35.2 35.0 52.4
54 57.0 43.9 65.9

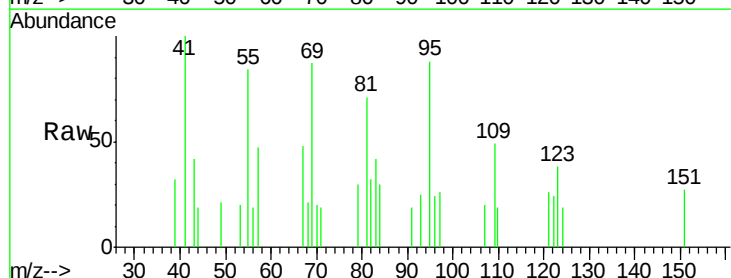


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

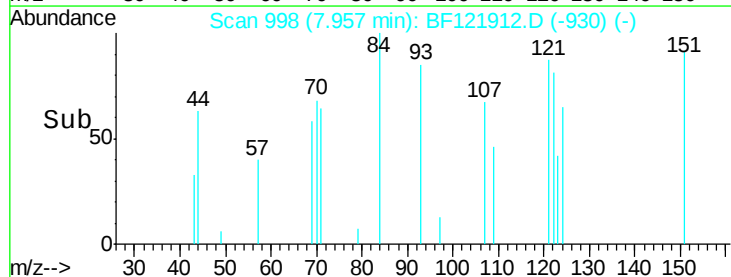
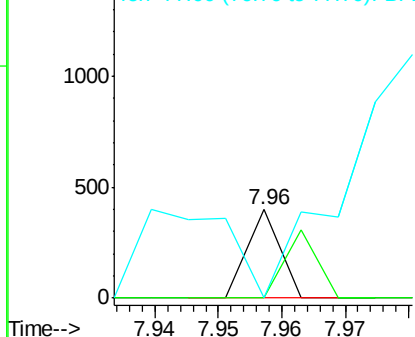


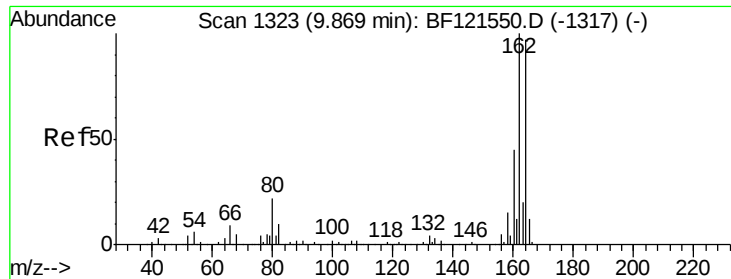
#32
Benzoic acid
Concen: 6.959 ng
RT: 7.96 min Scan# 998
Delta R.T. 0.10 min
Lab File: BF121912.D
Acq: 9 Oct 2020 18:16

Tgt Ion: 122 Resp: 141
Ion Ratio Lower Upper
122 100
105 0.0 103.3 143.3#
77 0.0 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

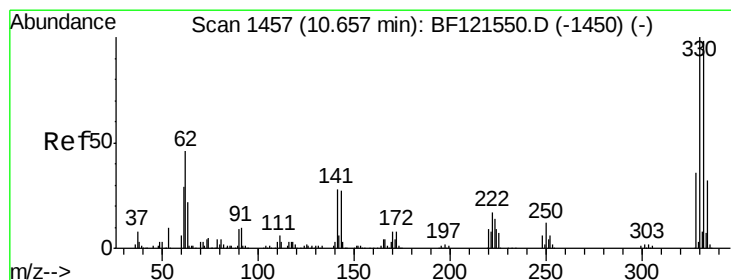
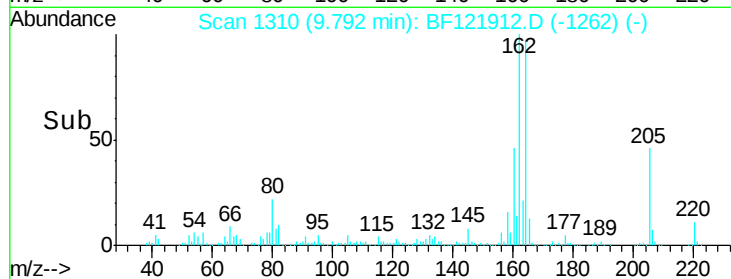
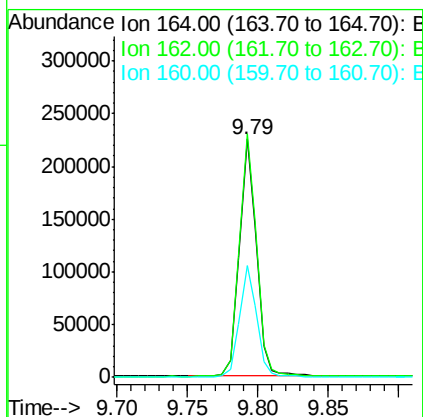
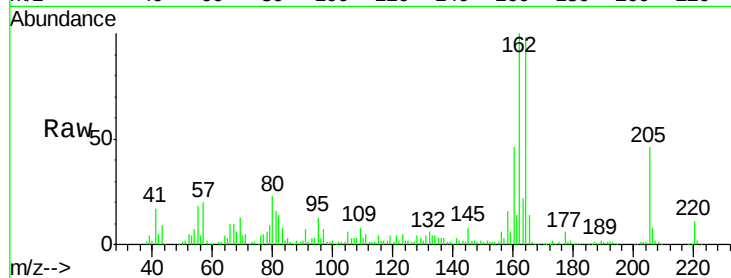




#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.79 min Scan# 1310
 Delta R.T. -0.02 min
 Lab File: BF121912.D
 Acq: 9 Oct 2020 18:16

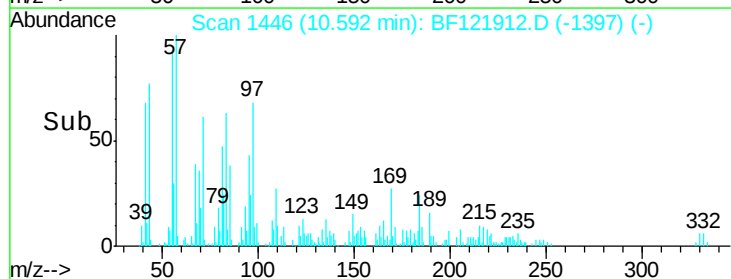
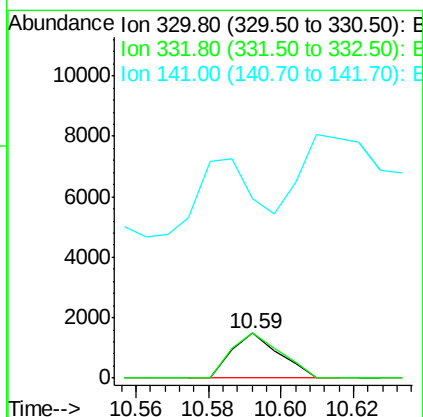
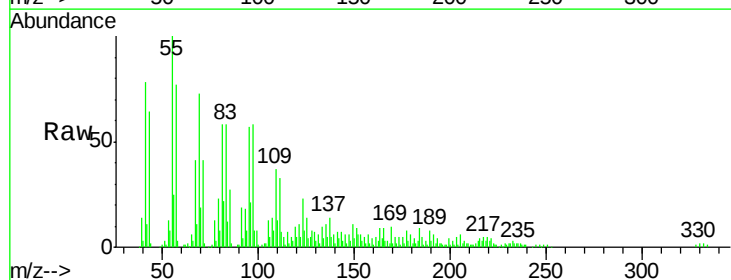
Instrument :
 BNA_F
 ClientSampleId :
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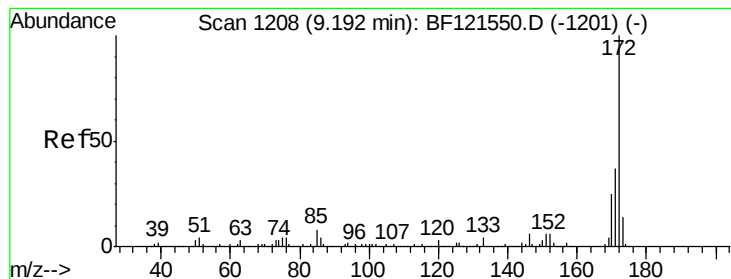
Tot Ion:164 Resp: 191043
 Ion Ratio Lower Upper
 164 100
 162 102.3 83.2 124.8
 160 46.8 37.5 56.3



#42
 2,4,6-Tribromophenol
 Concen: 0.569 ng
 RT: 10.59 min Scan# 1446
 Delta R.T. -0.01 min
 Lab File: BF121912.D
 Acq: 9 Oct 2020 18:16

Tgt Ion:330 Resp: 1351
 Ion Ratio Lower Upper
 330 100
 332 104.6 77.3 115.9
 141 206.3 22.3 33.5#





#45

2-Fluorobiphenyl

Concen: 1.185 ng

RT: 9.12 min Scan# 1195

Delta R.T. -0.02 min

Lab File: BF121912.D

Acq: 9 Oct 2020 18:16

Instrument :

BNA_F

ClientSampleId :

39424

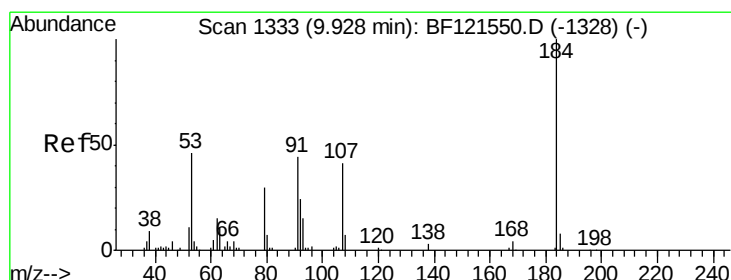
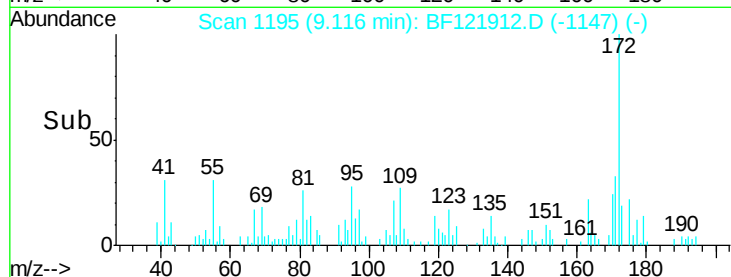
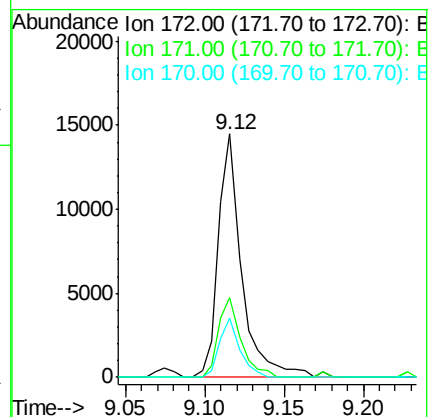
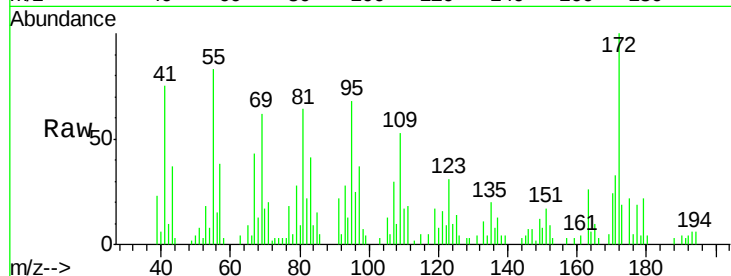
Tot Ion:172 Resp: 14947

Ion Ratio Lower Upper

172 100

171 33.0 29.1 43.7

170 24.4 19.8 29.6



#54

2,4-Dinitrophenol

Concen: 10.105 ng

RT: 10.13 min Scan# 1367

Delta R.T. 0.25 min

Lab File: BF121912.D

Acq: 9 Oct 2020 18:16

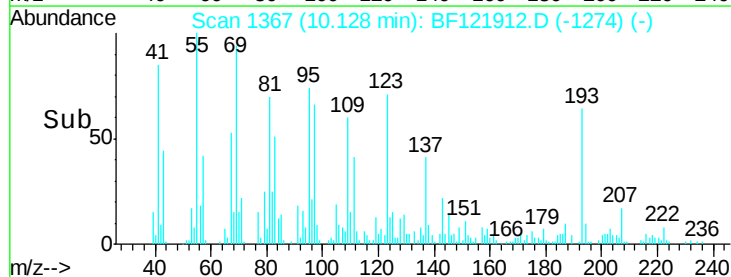
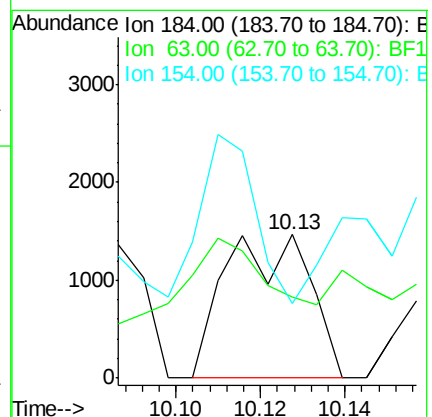
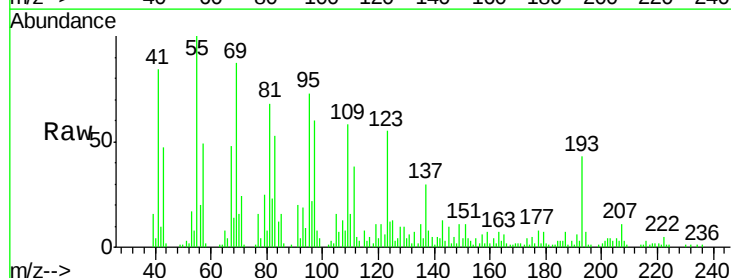
Tgt Ion:184 Resp: 2028

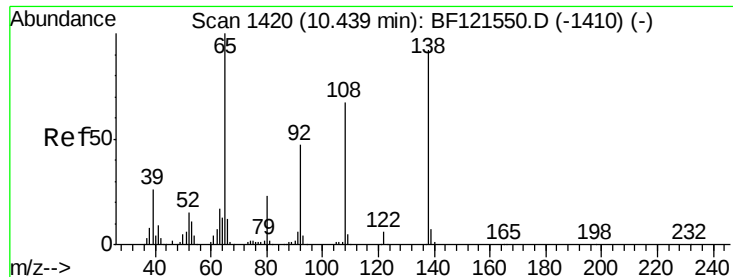
Ion Ratio Lower Upper

184 100

63 56.9 45.9 68.9

154 52.4 45.8 68.6

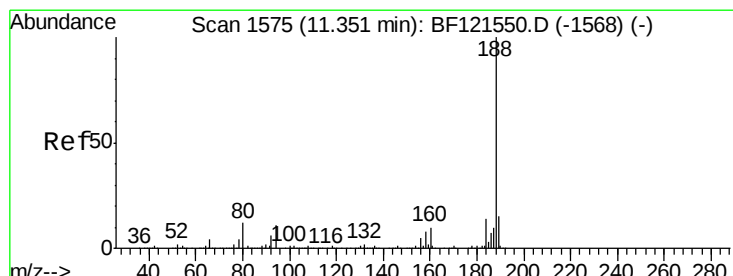
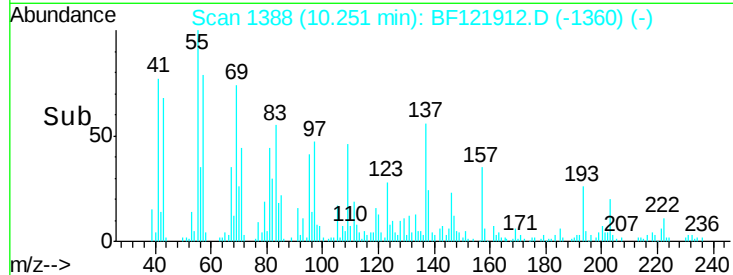
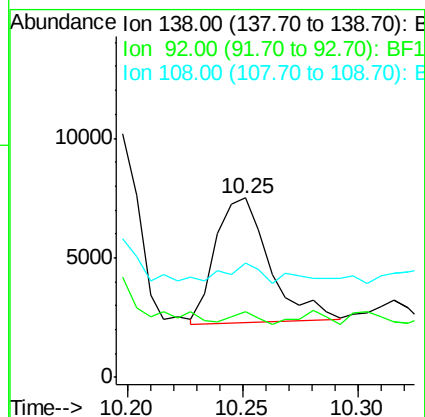
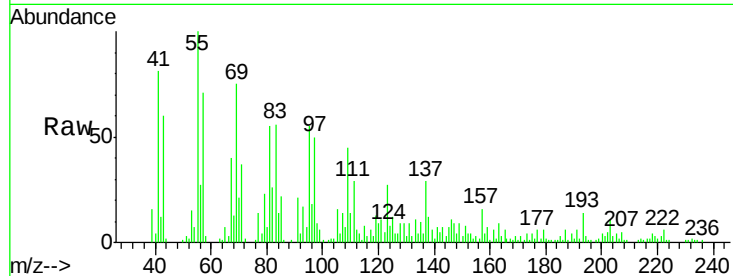




#62
4-Nitroaniline
Concen: 2.496 ng
RT: 10.25 min Scan# 1388
Delta R.T. -0.14 min
Lab File: BF121912.D
Acq: 9 Oct 2020 18:16

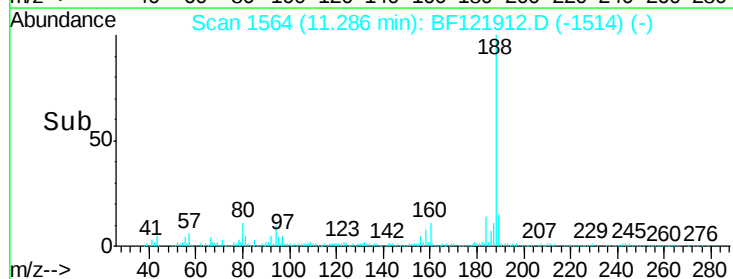
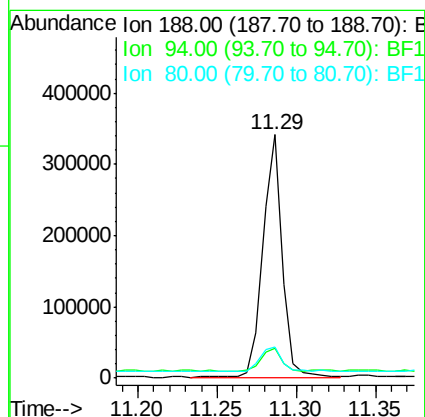
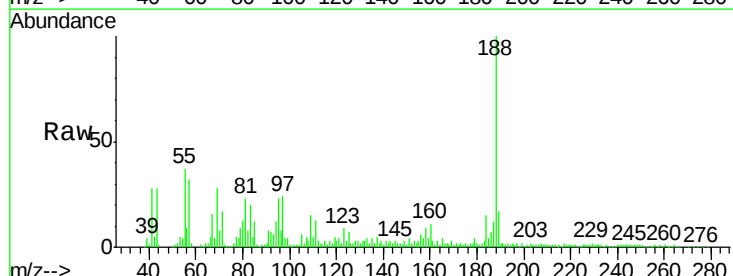
Instrument :
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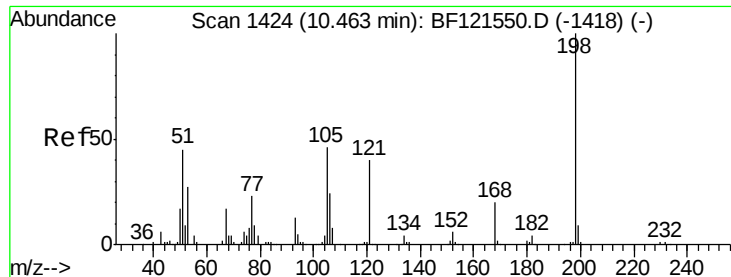
Tot Ion:138 Resp: 8465
Ion Ratio Lower Upper
138 100
92 36.6 31.0 71.0
108 63.9 51.5 91.5



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.29 min Scan# 1564
Delta R.T. -0.01 min
Lab File: BF121912.D
Acq: 9 Oct 2020 18:16

Tgt Ion:188 Resp: 287653
Ion Ratio Lower Upper
188 100
94 12.2 8.3 12.5
80 12.9 9.1 13.7

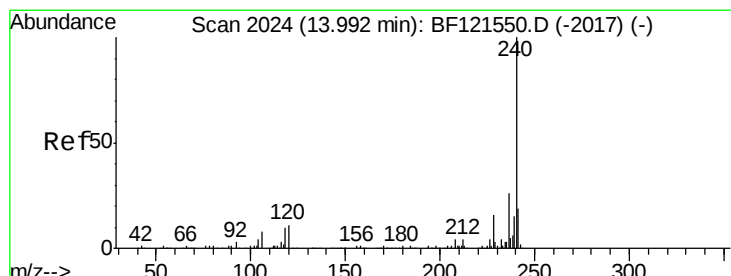
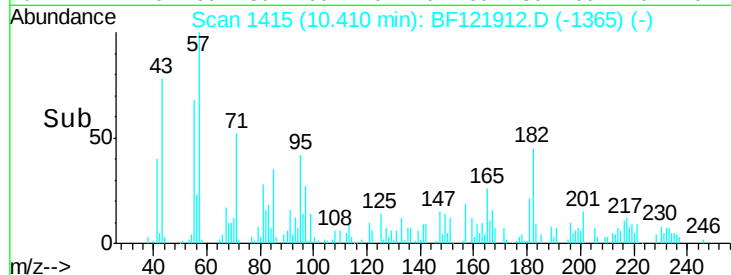
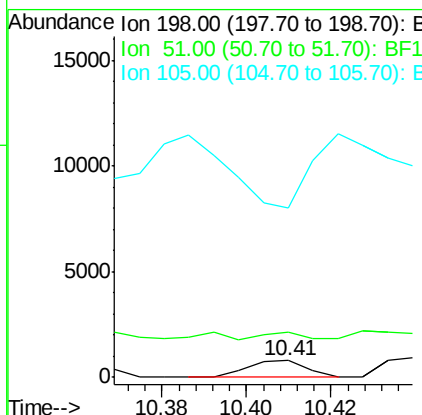
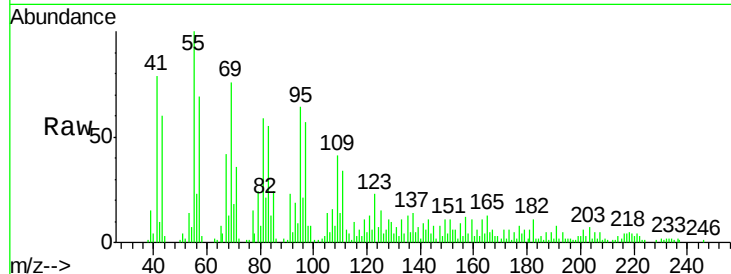




#65
 4,6-Dinitro-2-methylphenol
 Concen: 7.222 ng
 RT: 10.41 min Scan# 1415
 Delta R.T. -0.01 min
 Lab File: BF121912.D
 Acq: 9 Oct 2020 18:16

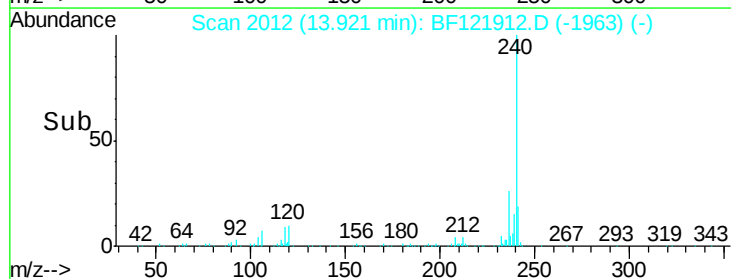
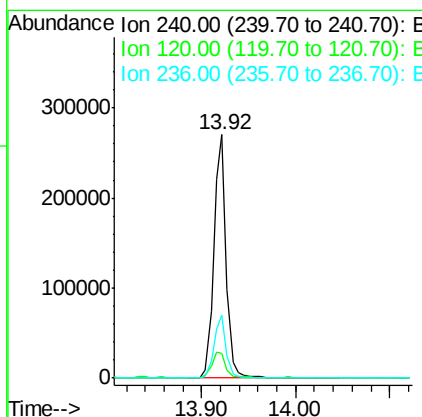
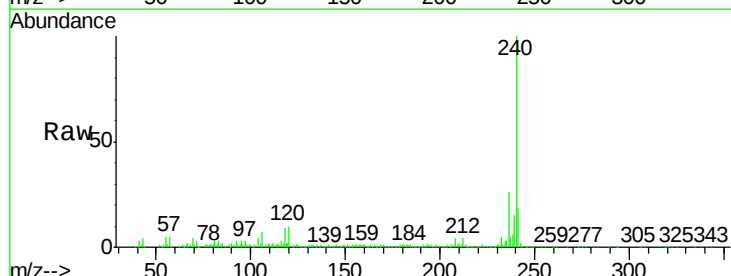
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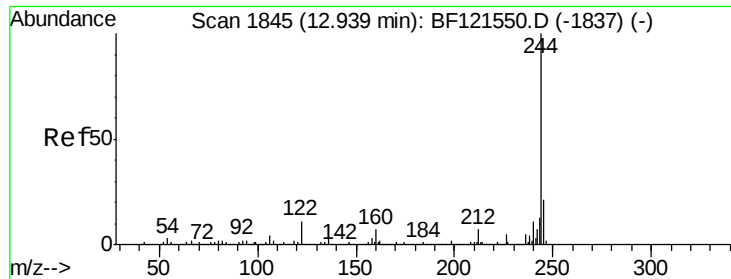
Tot Ion:198 Resp: 761
 Ion Ratio Lower Upper
 198 100
 51 270.3 29.6 69.6#
 105 1014.0 24.4 64.4#



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.92 min Scan# 2012
 Delta R.T. -0.01 min
 Lab File: BF121912.D
 Acq: 9 Oct 2020 18:16

Tgt Ion:240 Resp: 251396
 Ion Ratio Lower Upper
 240 100
 120 10.3 9.2 13.8
 236 26.2 20.9 31.3





#79

Terphenyl-d14

Concen: 0.956 ng

RT: 12.86 min Scan# 1832

Delta R.T. -0.02 min

Lab File: BF121912.D

Acq: 9 Oct 2020 18:16

Instrument :

BNA_F

ClientSampleId :

39424

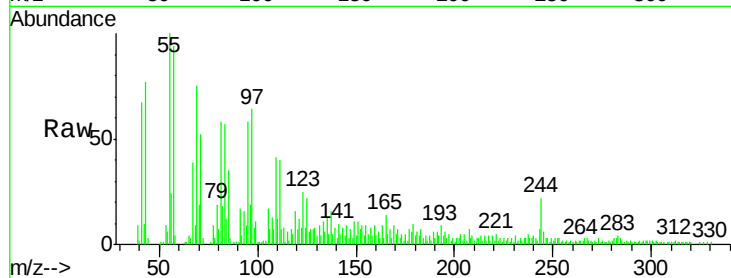
Tot Ion:244 Resp: 11869

Ion Ratio Lower Upper

244 100

212 12.3 5.4 8.2#

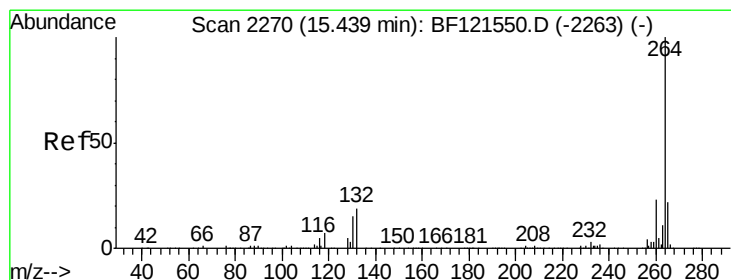
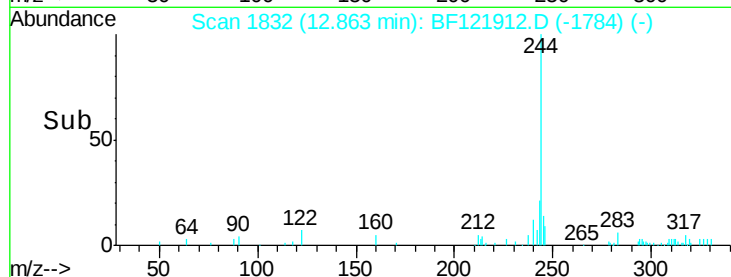
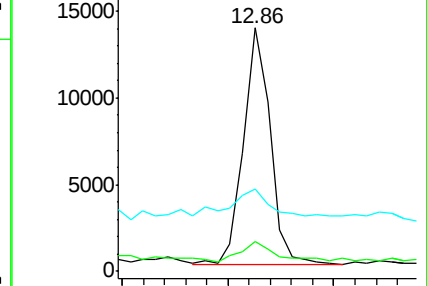
122 34.0 8.1 12.1#



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: 15.36 min Scan# 2256

Delta R.T. -0.01 min

Lab File: BF121912.D

Acq: 9 Oct 2020 18:16

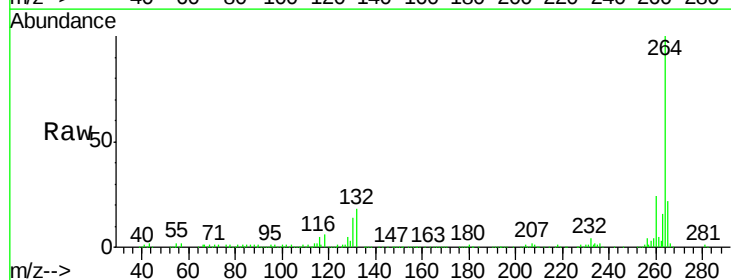
Tgt Ion:264 Resp: 267059

Ion Ratio Lower Upper

264 100

260 23.7 18.7 28.1

265 21.6 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

