

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100820\
 Data File : BF121887.D
 Acq On : 8 Oct 2020 14:08
 Operator : JU/CG
 Sample : L4309-01
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OWLS-HEAD-BH-02-A

Quant Time: Oct 08 14:50:53 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

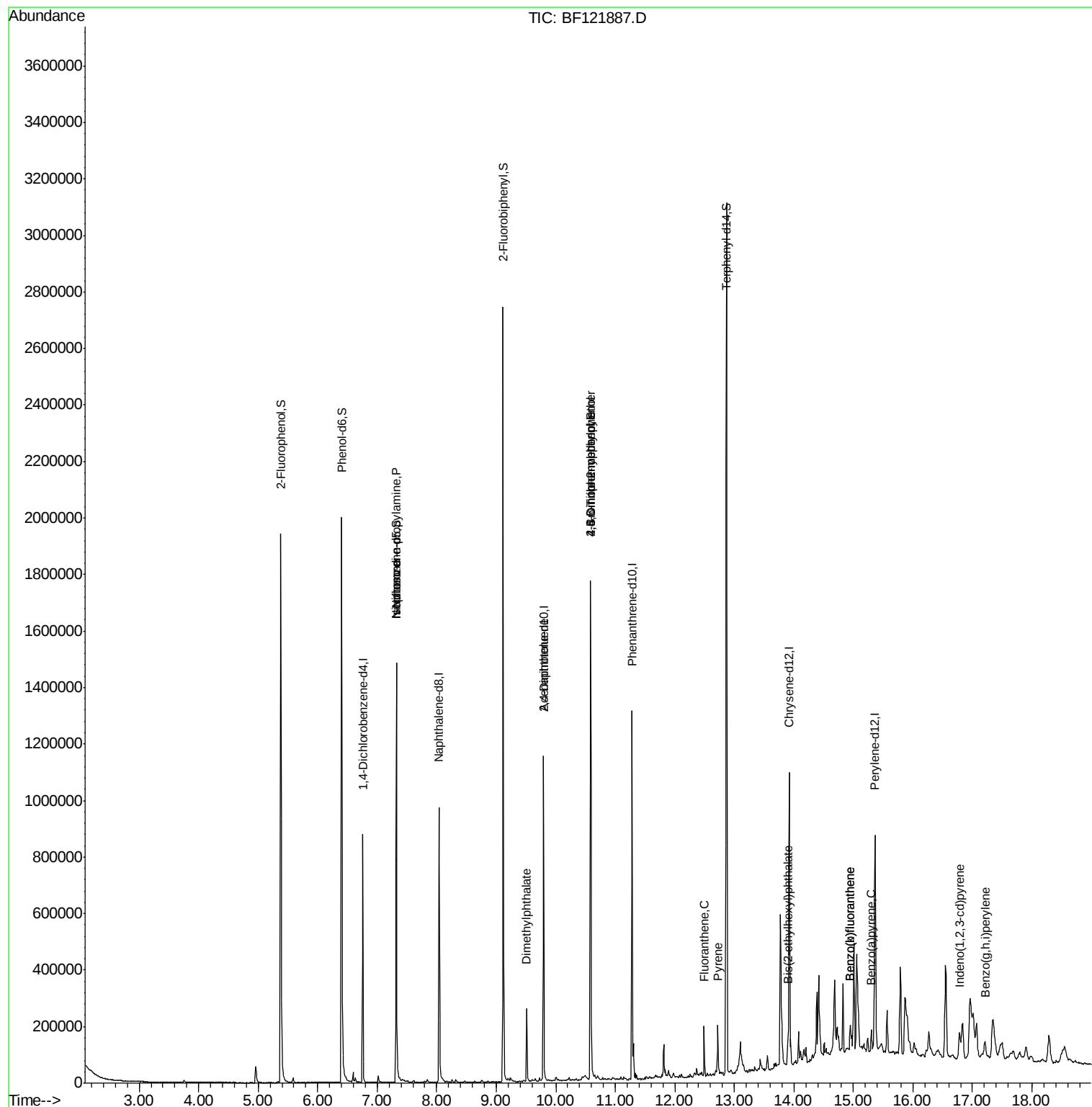
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.76	152	112527	20.00	ng	-0.01
21) Naphthalene-d8	8.04	136	453441	20.00	ng	-0.02
39) Acenaphthene-d10	9.79	164	238657	20.00	ng	-0.02
64) Phenanthrene-d10	11.28	188	445095	20.00	ng	-0.01
76) Chrysene-d12	13.92	240	327434	20.00	ng	-0.01
86) Perylene-d12	15.36	264	291142	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.38	112	551464	72.83	ng	0.00
7) Phenol-d6	6.40	99	715191	72.00	ng	-0.01
23) Nitrobenzene-d5	7.32	82	491235	58.17	ng	-0.02
42) 2,4,6-Tribromophenol	10.59	330	218938	73.81	ng	-0.02
45) 2-Fluorobiphenyl	9.12	172	889693	56.46	ng	-0.02
79) Terphenyl-d14	12.87	244	953803	59.01	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.32	70	65948	11.519	ng	# 78
25) Isophorone	7.32	82	491231	28.895	ng	# 67
50) Dimethylphthalate	9.52	163	104897	6.064	ng	# 99
57) 2,4-Dinitrotoluene	9.79	165	30324	6.543	ng	# 20
65) 4,6-Dinitro-2-methylphenol	10.59	198	341	6.959	ng	# 1
67) 4-Bromophenyl-phenylether	10.59	248	12858	2.537	ng	# 1
75) Fluoranthene	12.49	202	66765	2.579	ng	# 99
78) Pyrene	12.72	202	62919	2.630	ng	# 96
84) Bis(2-ethylhexyl)phthalate	13.90	149	30068	2.326	ng	# 97
87) Indeno(1,2,3-cd)pyrene	16.78	276	45921	2.422	ng	# 97
88) Benzo(b)fluoranthene	14.95	252	46008	2.364	ng	# 95
89) Benzo(k)fluoranthene	14.95	252	46008	2.581	ng	# 95
90) Benzo(a)pyrene	15.30	252	36405	2.200	ng	# 97
92) Benzo(a,h,i)perylene	17.21	276	45322	2.921	ng	# 98

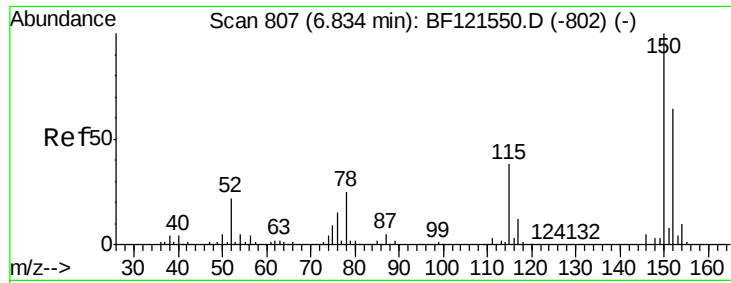
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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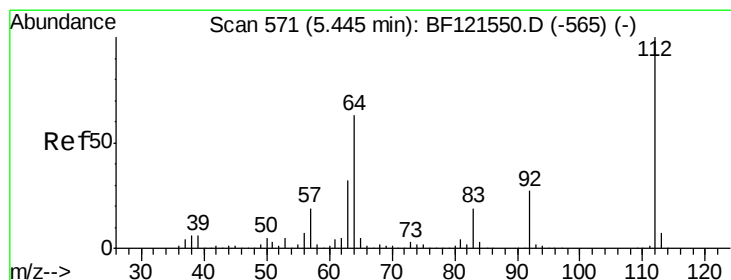
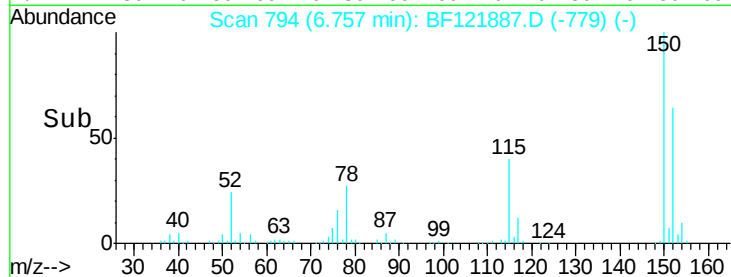
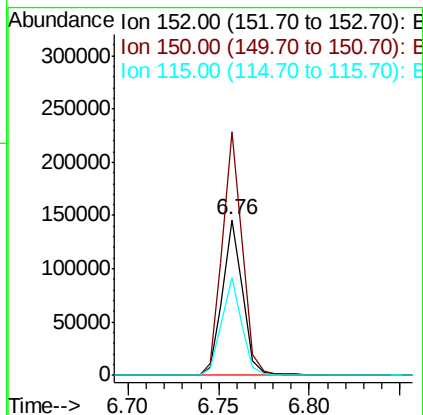
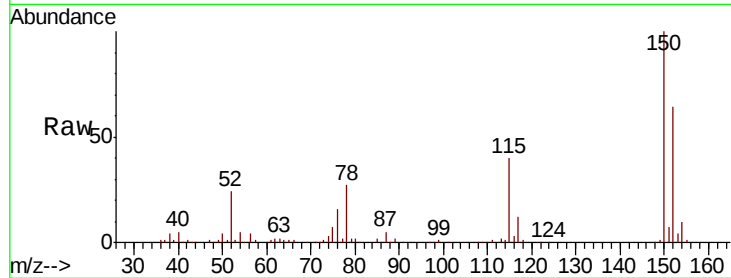


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.76 min Scan# 794
Delta R.T. -0.01 min
Lab File: BF121887.D
Acq: 8 Oct 2020 14:08

Instrument :
BNA_F
ClientSampleId :
OWLS-HEAD-BH-02-A

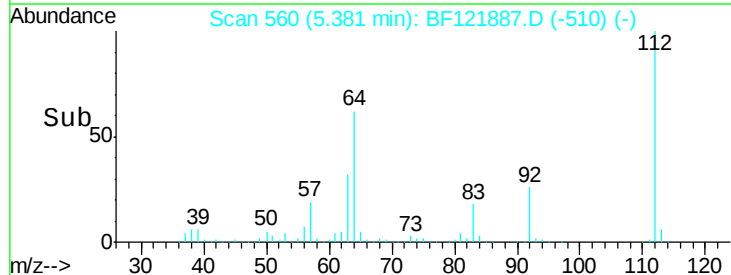
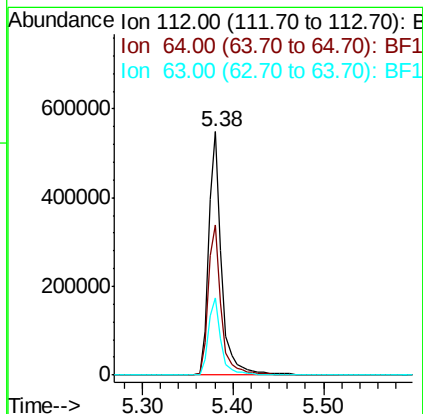
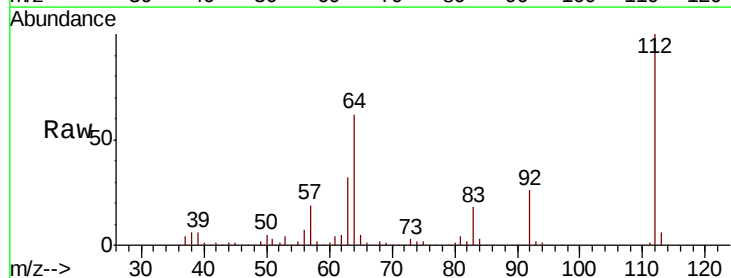
Tot Ion:152 Resp: 112527
Ion Ratio Lower Upper
152 100
150 156.1 125.3 187.9
115 62.3 51.9 77.9

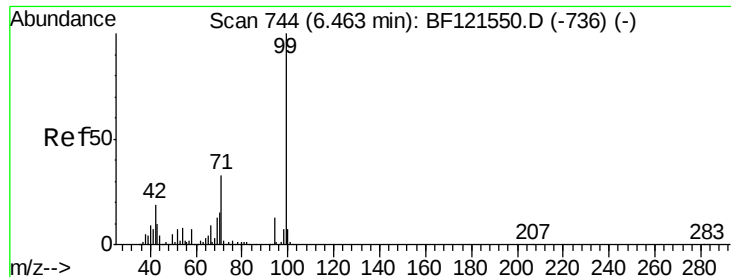


#5

2-Fluorophenol
Concen: 72.831 ng
RT: 5.38 min Scan# 560
Delta R.T. -0.01 min
Lab File: BF121887.D
Acq: 8 Oct 2020 14:08

Tgt Ion:112 Resp: 551464
Ion Ratio Lower Upper
112 100
64 61.9 50.4 75.6
63 31.6 25.8 38.6





#7

Phenol-d6

Concen: 71.996 ng

RT: 6.40 min Scan# 734

Delta R.T. -0.01 min

Lab File: BF121887.D

Acq: 8 Oct 2020 14:08

Instrument :

BNA_F

ClientSampleId :

OWLS-HEAD-BH-02-A

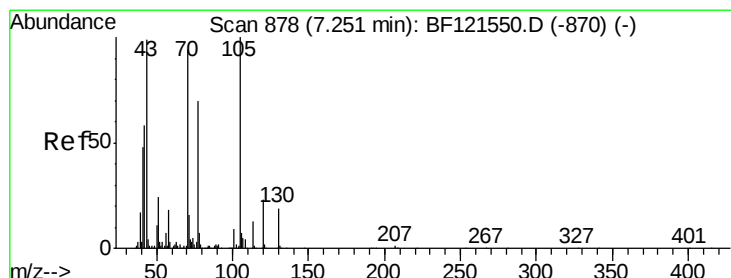
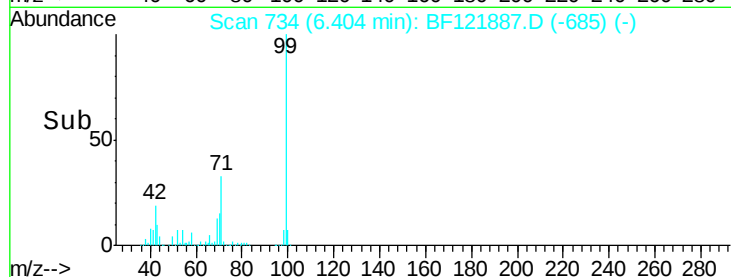
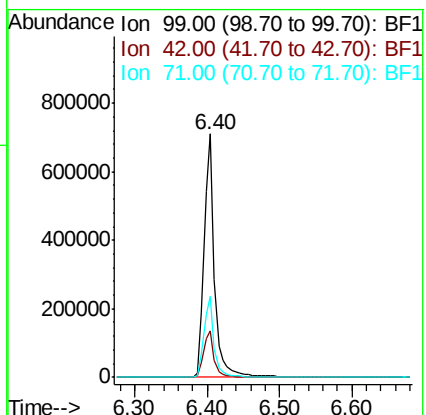
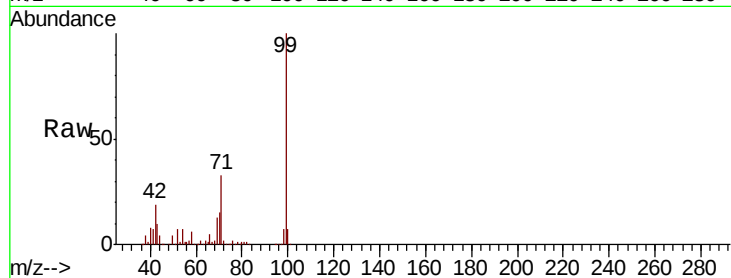
Tot Ion: 99 Resp: 715191

Ion Ratio Lower Upper

99 100

42 19.3 15.9 23.9

71 33.1 27.1 40.7



#19

n-Nitroso-di-n-propylamine

Concen: 11.519 ng

RT: 7.32 min Scan# 890

Delta R.T. 0.13 min

Lab File: BF121887.D

Acq: 8 Oct 2020 14:08

Tgt Ion: 70 Resp: 65948

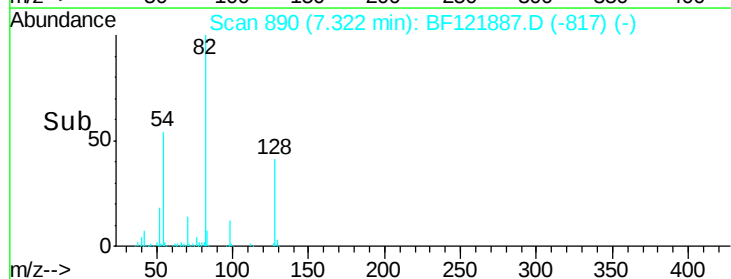
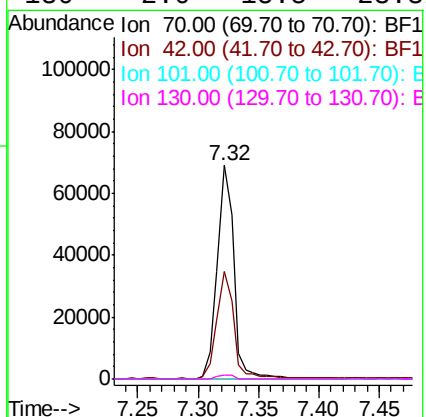
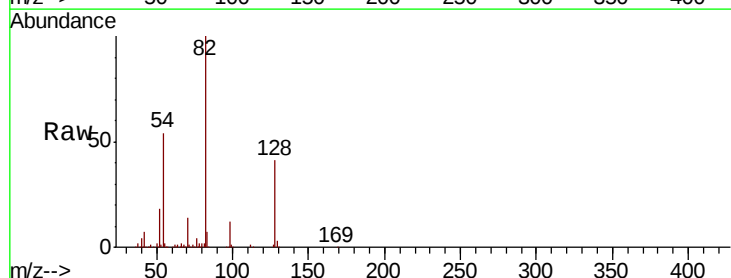
Ion Ratio Lower Upper

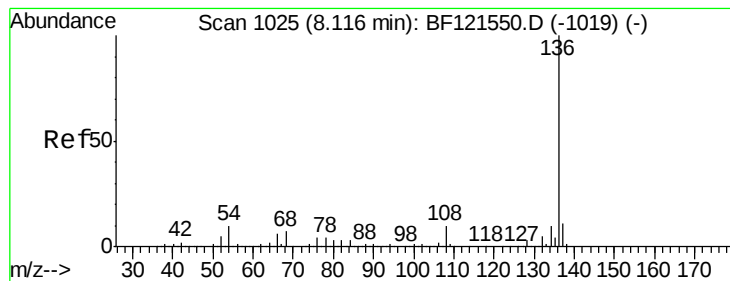
70 100

42 50.6 50.2 75.4

101 0.0 7.5 11.3#

130 2.0 15.5 23.3#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.04 min Scan# 1012

Delta R.T. -0.02 min

Lab File: BF121887.D

Acq: 8 Oct 2020 14:08

Instrument :

BNA_F

ClientSampleId :

OWLS-HEAD-BH-02-A

Tot Ion:136 Resp: 453441

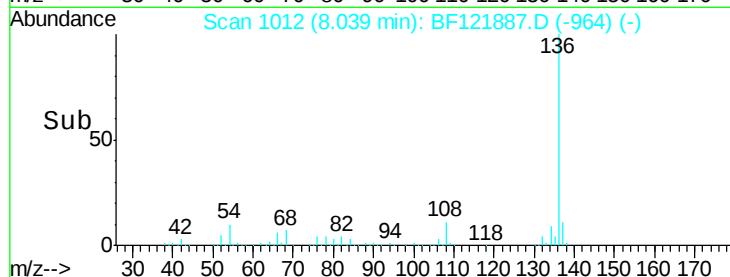
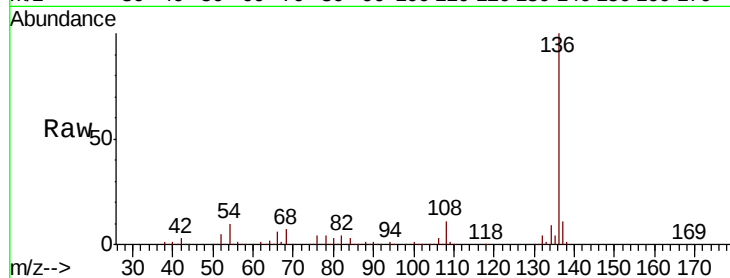
Ion Ratio Lower Upper

136 100

137 11.1 8.6 13.0

54 10.2 7.1 10.7

68 7.3 5.0 7.4

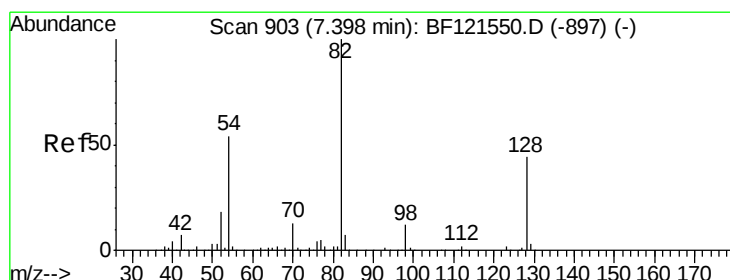
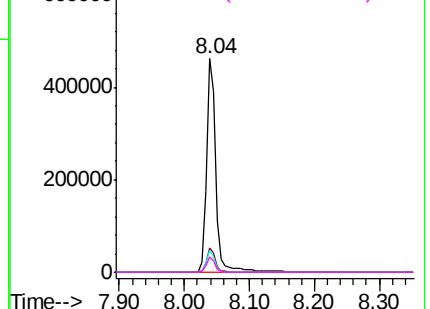


Abundance Ion 136.00 (135.70 to 136.70): E

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: 58.167 ng

RT: 7.32 min Scan# 890

Delta R.T. -0.02 min

Lab File: BF121887.D

Acq: 8 Oct 2020 14:08

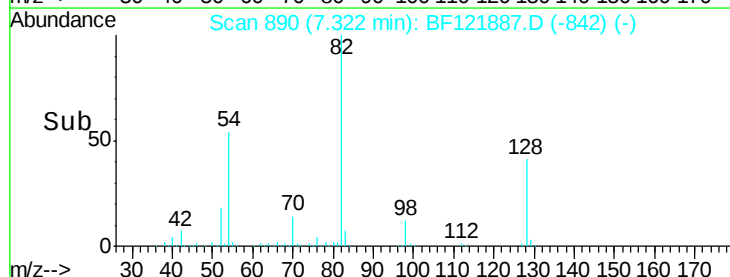
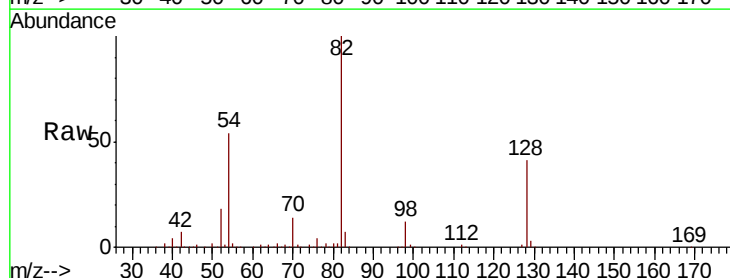
Tgt Ion: 82 Resp: 491235

Ion Ratio Lower Upper

82 100

128 41.2 35.0 52.4

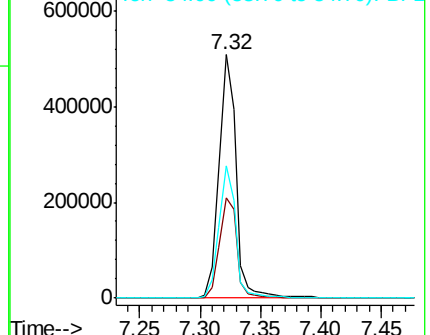
54 54.4 43.9 65.9

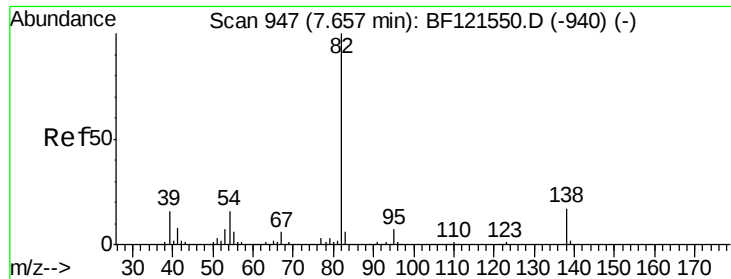


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 28.895 ng

RT: 7.32 min Scan# 890

Delta R.T. -0.28 min

Lab File: BF121887.D

Acq: 8 Oct 2020 14:08

Instrument :

BNA_F

ClientSampleId :

OWLS-HEAD-BH-02-A

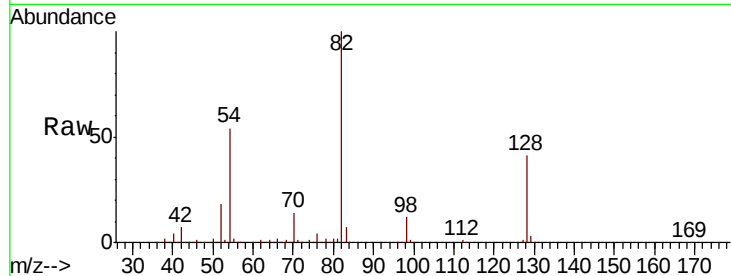
Tot Ion: 82 Resp: 491231

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.0#

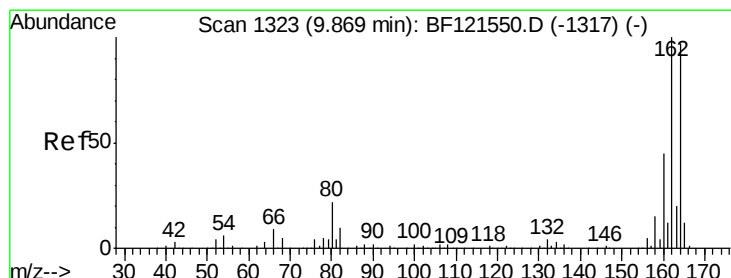
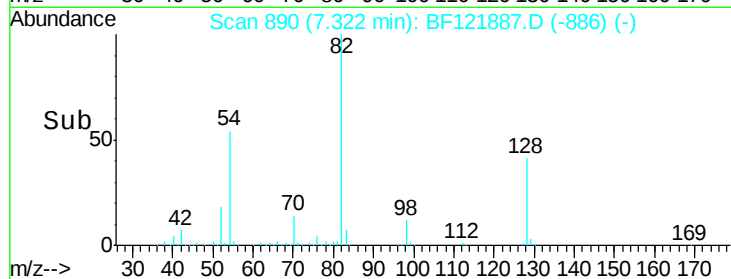
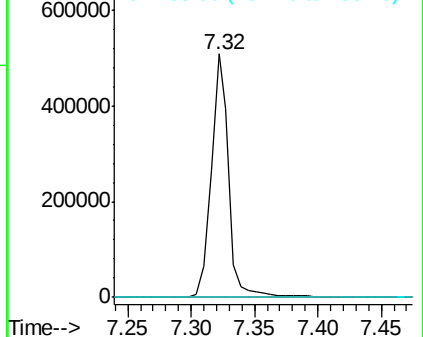
138 0.0 13.4 20.0#



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



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.79 min Scan# 1310

Delta R.T. -0.02 min

Lab File: BF121887.D

Acq: 8 Oct 2020 14:08

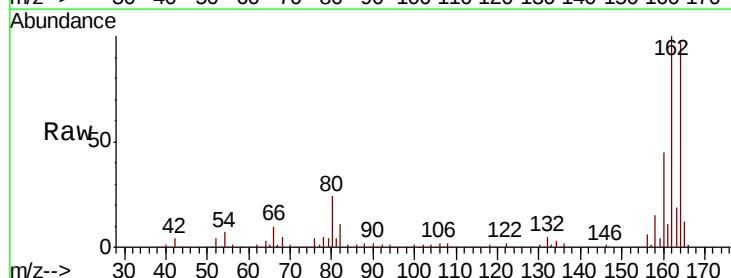
Tgt Ion: 164 Resp: 238657

Ion Ratio Lower Upper

164 100

162 102.6 83.2 124.8

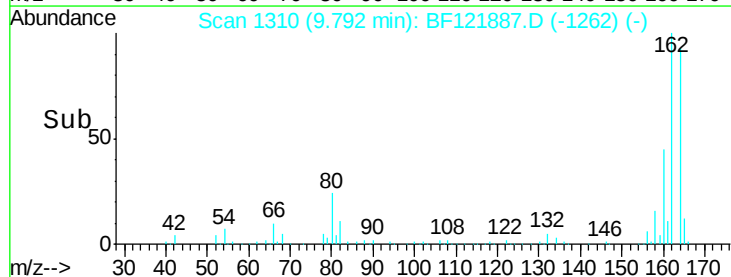
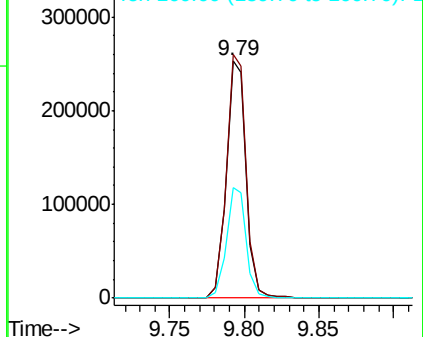
160 46.3 37.5 56.3

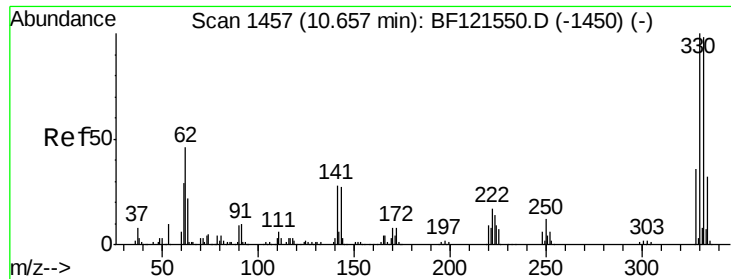


Abundance Ion 164.00 (163.70 to 164.70): BF1

Ion 162.00 (161.70 to 162.70): BF1

Ion 160.00 (159.70 to 160.70): BF1

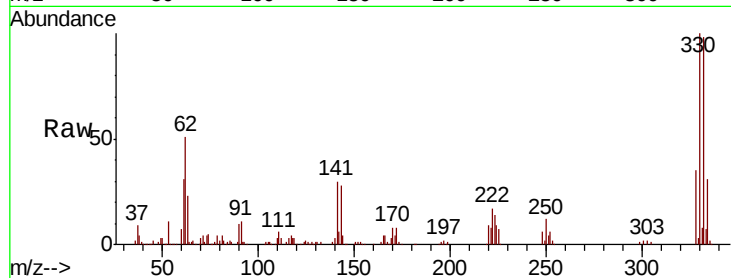




#42
 2,4,6-Tribromophenol
 Concen: 73.811 ng
 RT: 10.59 min Scan# 1445
 Delta R.T. -0.02 min
 Lab File: BF121887.D
 Acq: 8 Oct 2020 14:08

Instrument :
 BNA_F
 ClientSampleId :
 OWLS-HEAD-BH-02-A

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.4	77.3	115.9
141	29.7	22.3	33.5

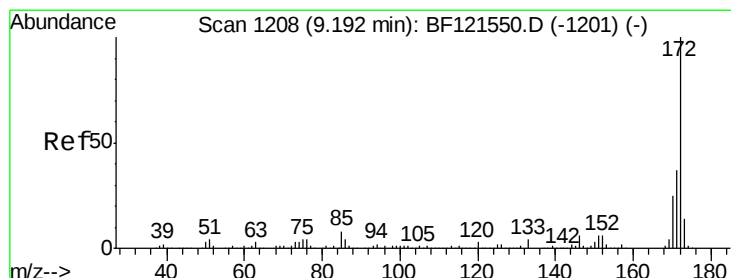
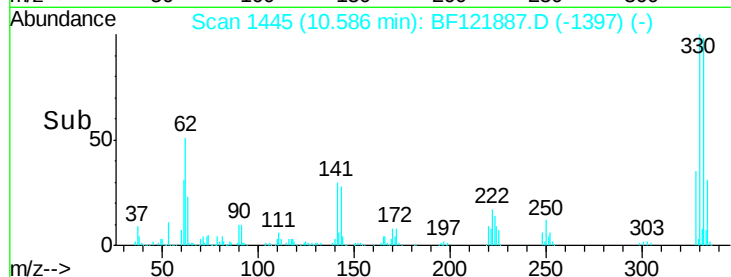
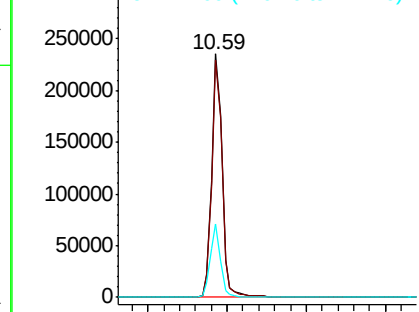


Abundance

Ion 329.80 (329.50 to 330.50): E

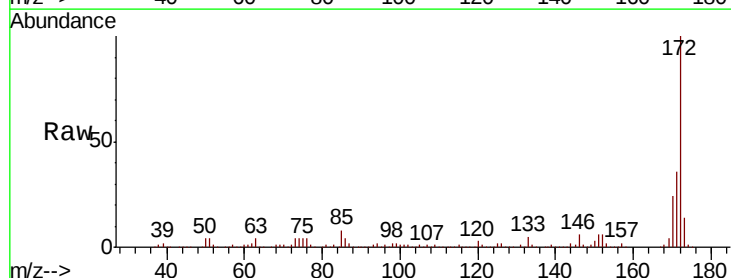
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 56.460 ng
 RT: 9.12 min Scan# 1195
 Delta R.T. -0.02 min
 Lab File: BF121887.D
 Acq: 8 Oct 2020 14:08

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.7	29.1	43.7
170	23.8	19.8	29.6

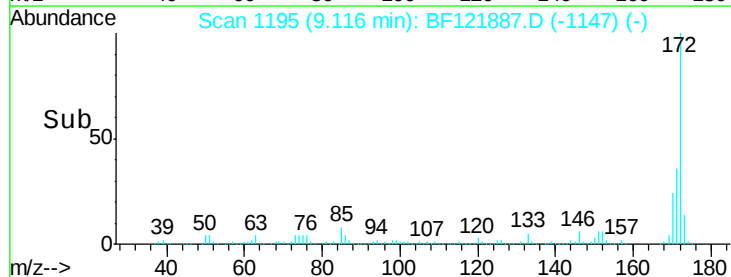
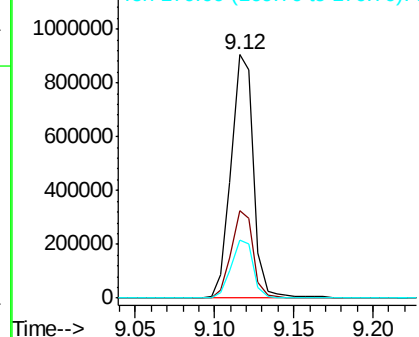


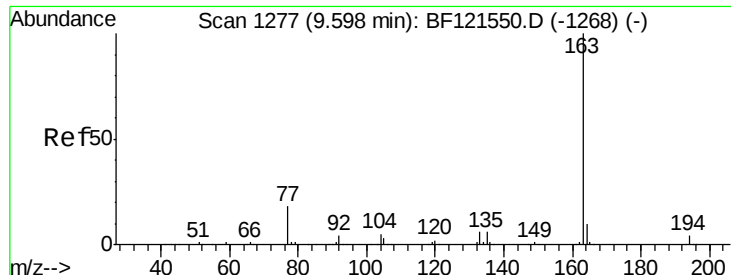
Abundance

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

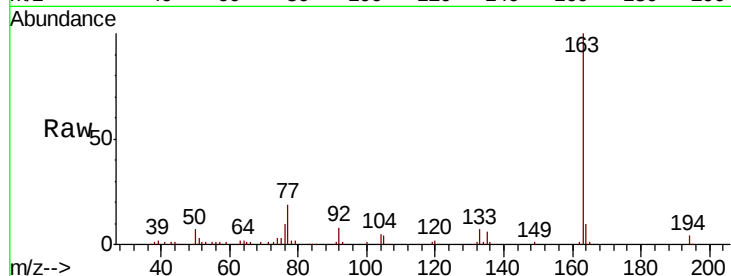




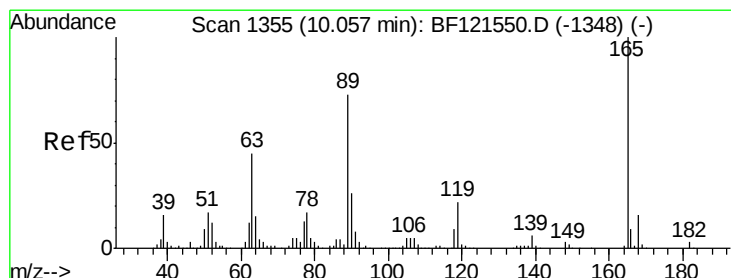
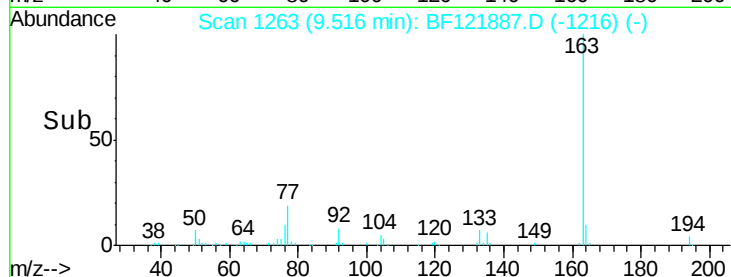
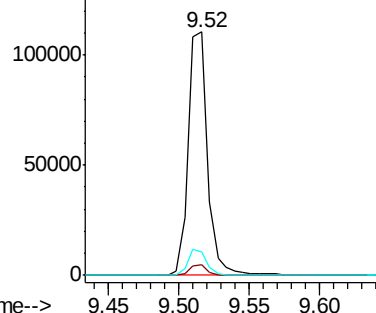
#50
Dimethylphthalate
Concen: 6.064 ng
RT: 9.52 min Scan# 1263
Delta R.T. -0.02 min
Lab File: BF121887.D
Acq: 8 Oct 2020 14:08

Instrument :
BNA_F
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OWLS-HEAD-BH-02-A

Tot Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.3	4.9
164	9.9	8.2	12.4



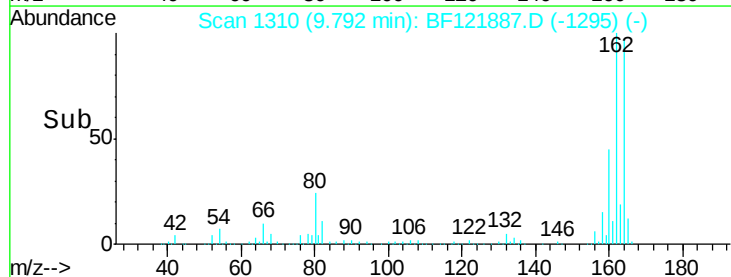
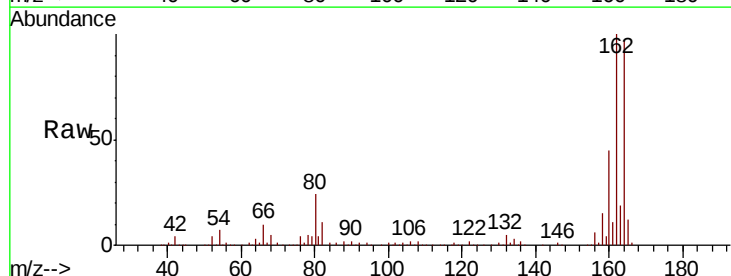
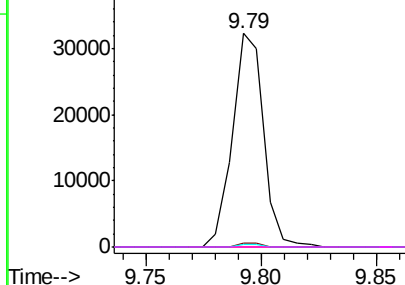
Abundance Ion 163.00 (162.70 to 163.70): E
150000 Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

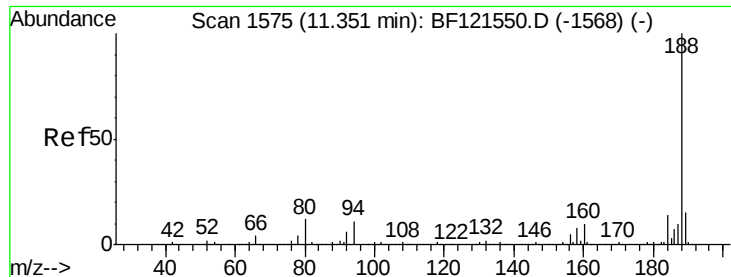


#57
2,4-Dinitrotoluene
Concen: 6.543 ng
RT: 9.79 min Scan# 1310
Delta R.T. -0.21 min
Lab File: BF121887.D
Acq: 8 Oct 2020 14:08

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.7	41.3	61.9#
89	1.4	61.8	92.8#
182	0.0	2.1	3.1#

Abundance Ion 165.00 (164.70 to 165.70): E
50000 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

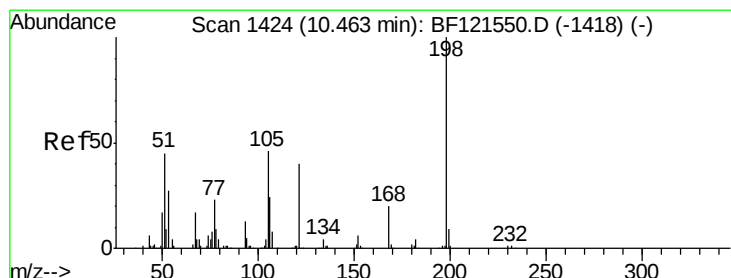
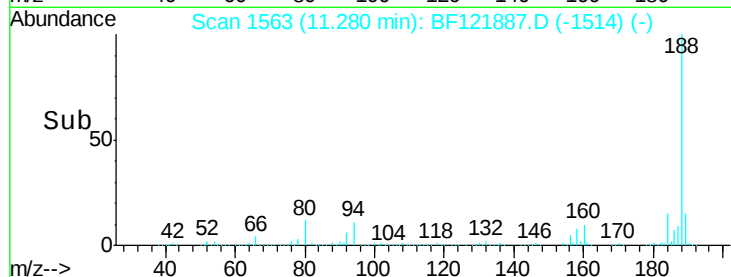
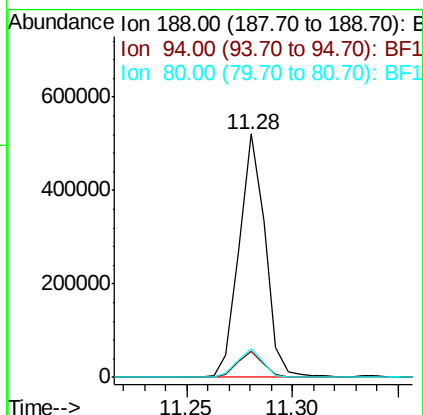
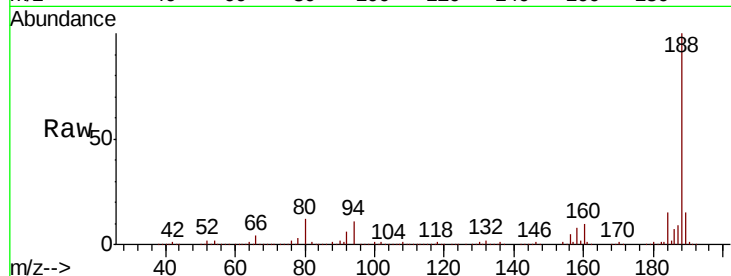




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.28 min Scan# 1563
Delta R.T. -0.01 min
Lab File: BF121887.D
Acq: 8 Oct 2020 14:08

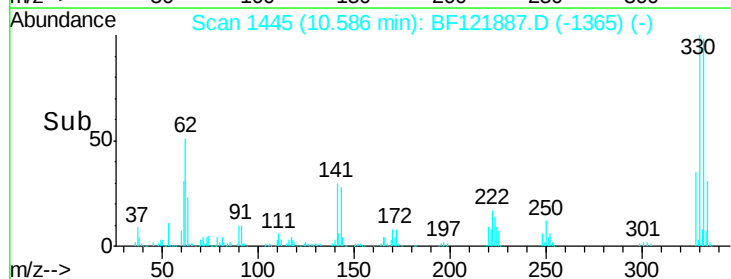
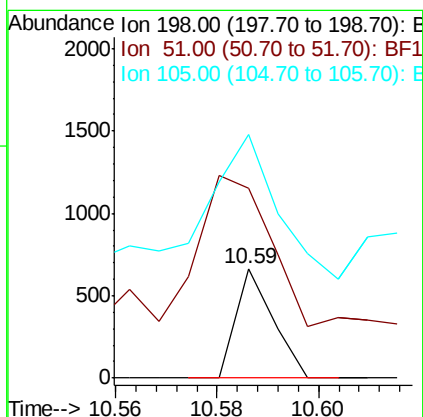
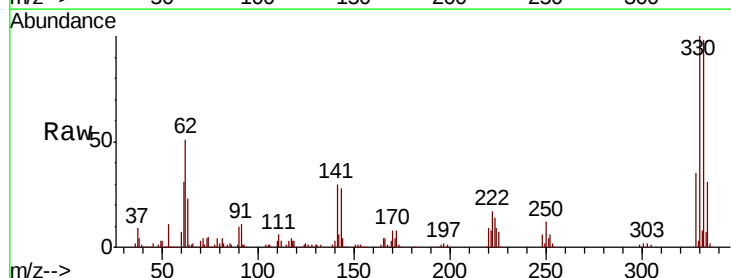
Instrument :
BNA_F
ClientSampleId :
OWLS-HEAD-BH-02-A

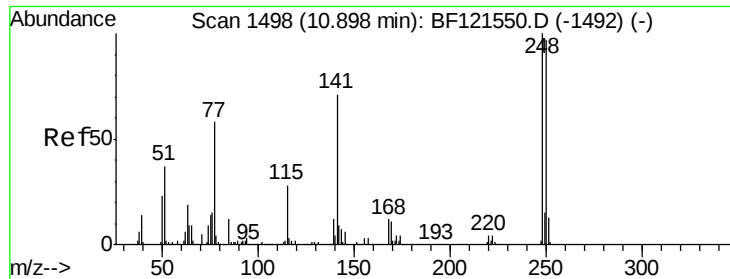
Tot Ion:188 Resp: 445095
Ion Ratio Lower Upper
188 100
94 10.9 8.3 12.5
80 11.8 9.1 13.7



#65
4,6-Dinitro-2-methylphenol
Concen: 6.959 ng
RT: 10.59 min Scan# 1445
Delta R.T. 0.17 min
Lab File: BF121887.D
Acq: 8 Oct 2020 14:08

Tgt Ion:198 Resp: 341
Ion Ratio Lower Upper
198 100
51 173.1 29.6 69.6#
105 221.9 24.4 64.4#

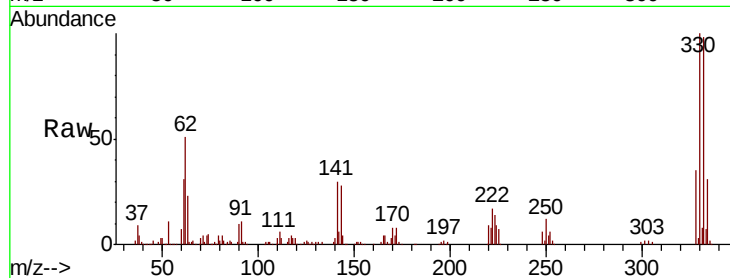




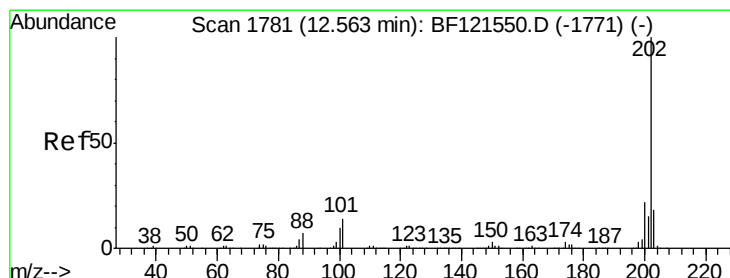
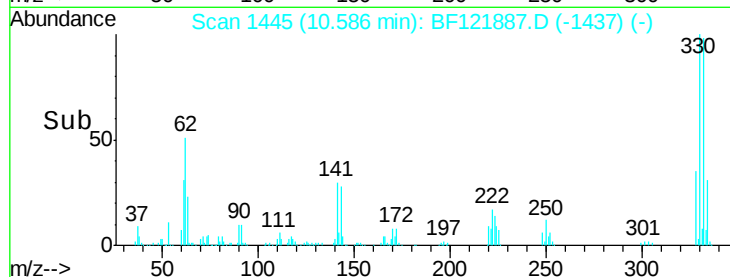
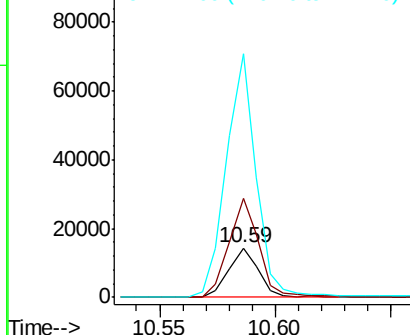
#67
 4-Bromophenyl-phenylether
 Concen: 2.537 ng
 RT: 10.59 min Scan# 1445
 Delta R.T. -0.25 min
 Lab File: BF121887.D
 Acq: 8 Oct 2020 14:08

Instrument :
 BNA_F
 ClientSampleId :
 OWLS-HEAD-BH-02-A

Tot Ion:248 Resp: 12858
 Ion Ratio Lower Upper
 248 100
 250 200.3 77.0 115.6#
 141 492.6 53.7 80.5#

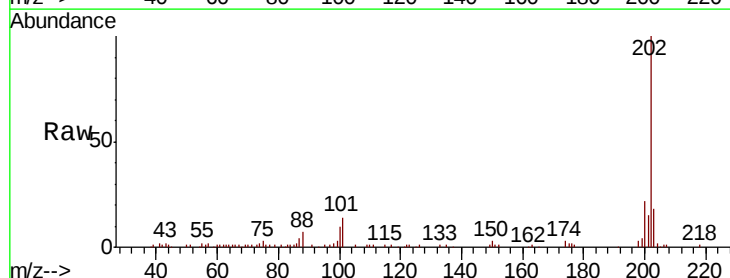


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

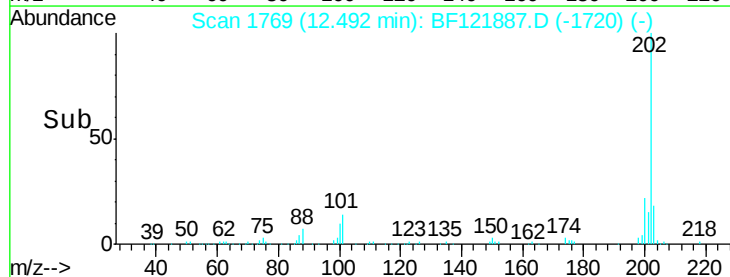
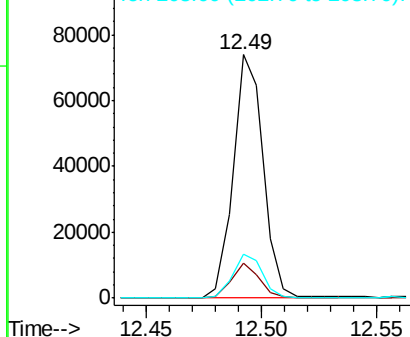


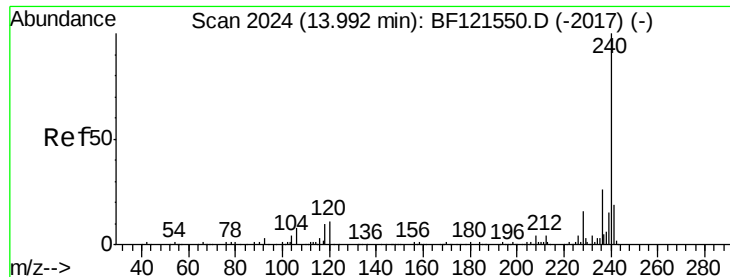
#75
 Fluoranthene
 Concen: 2.579 ng
 RT: 12.49 min Scan# 1769
 Delta R.T. -0.01 min
 Lab File: BF121887.D
 Acq: 8 Oct 2020 14:08

Tgt Ion:202 Resp: 66765
 Ion Ratio Lower Upper
 202 100
 101 14.3 0.0 33.4
 203 18.1 0.0 37.9



Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E

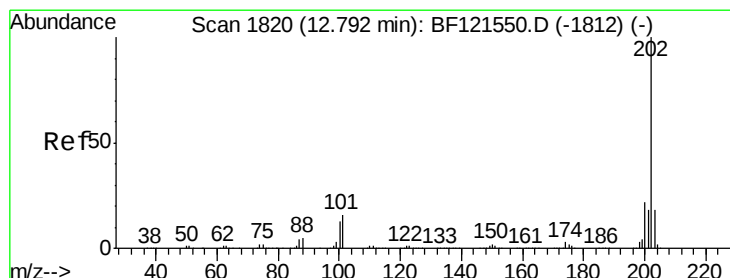
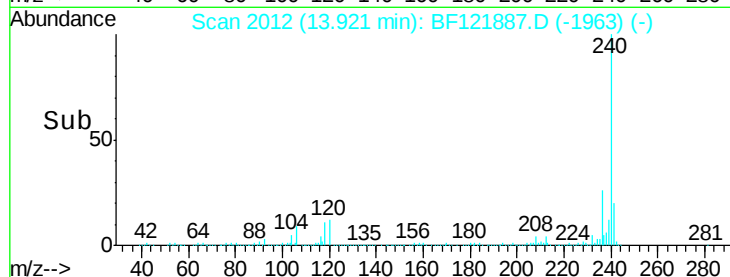
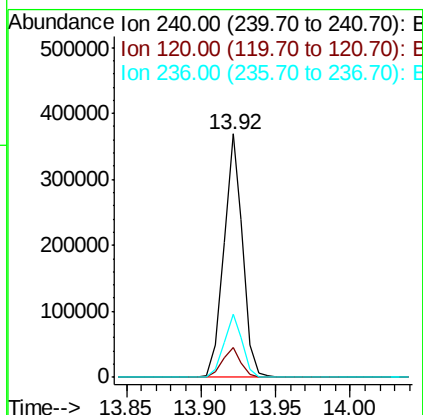
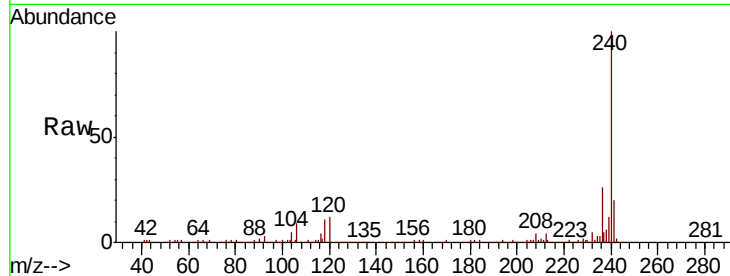




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.92 min Scan# 2012
Delta R.T. -0.01 min
Lab File: BF121887.D
Acq: 8 Oct 2020 14:08

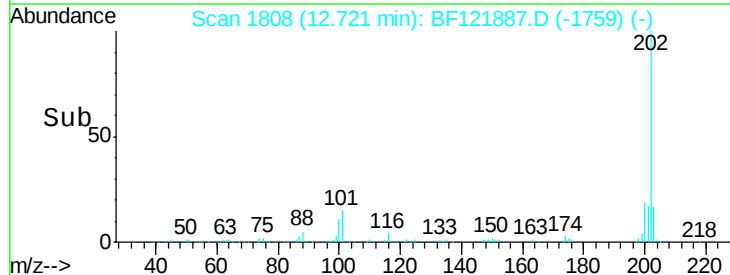
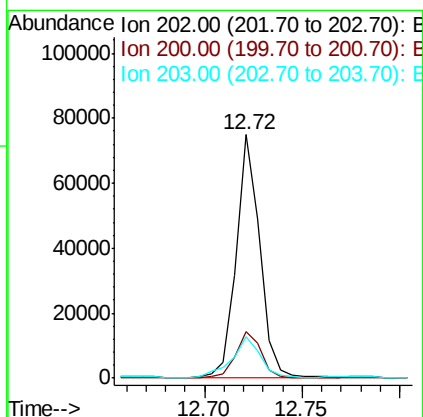
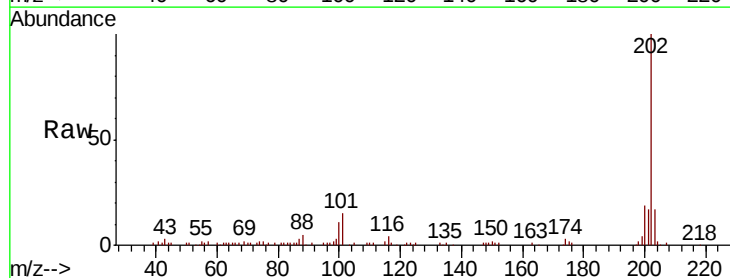
Instrument :
BNA_F
ClientSampleId :
OWLS-HEAD-BH-02-A

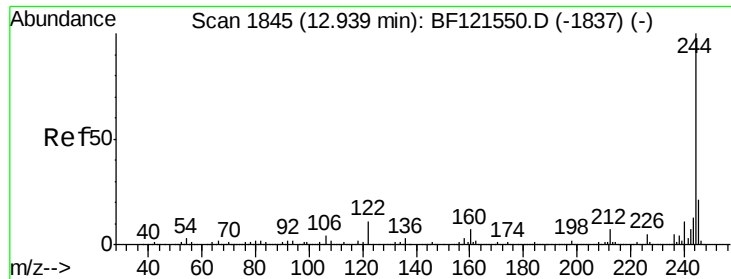
Tot Ion:240 Resp: 327434
Ion Ratio Lower Upper
240 100
120 12.2 9.2 13.8
236 25.7 20.9 31.3



#78
Pyrene
Concen: 2.630 ng
RT: 12.72 min Scan# 1808
Delta R.T. -0.01 min
Lab File: BF121887.D
Acq: 8 Oct 2020 14:08

Tgt Ion:202 Resp: 62919
Ion Ratio Lower Upper
202 100
200 19.2 17.4 26.2
203 17.0 14.6 21.8





#79

Terphenyl-d14

Concen: 59.014 ng

RT: 12.87 min Scan# 1833

Delta R.T. -0.01 min

Lab File: BF121887.D

Acq: 8 Oct 2020 14:08

Instrument :

BNA_F

ClientSampleId :

OWLS-HEAD-BH-02-A

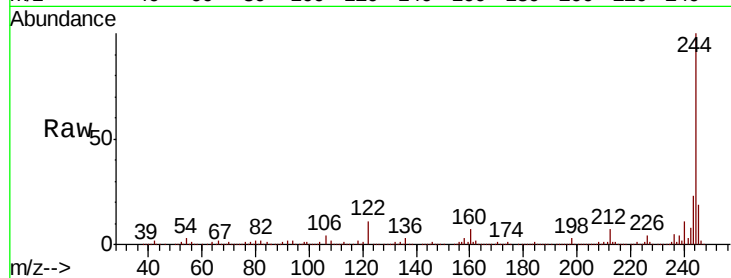
Tot Ion:244 Resp: 953803

Ion Ratio Lower Upper

244 100

212 7.1 5.4 8.2

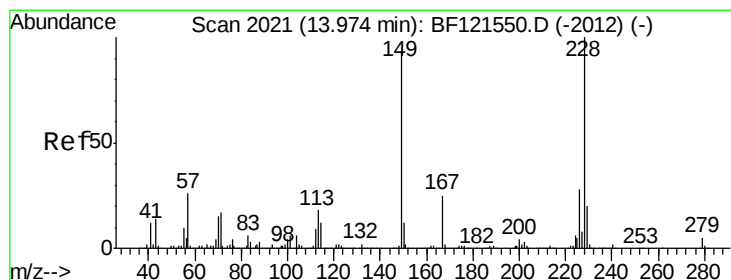
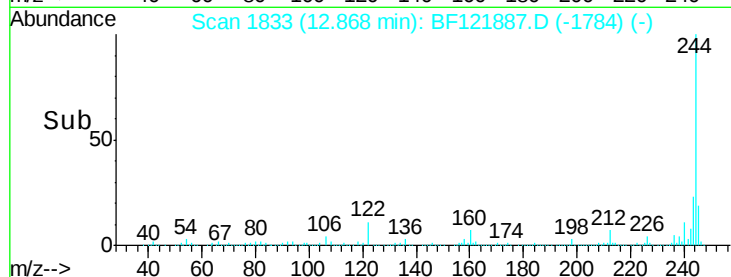
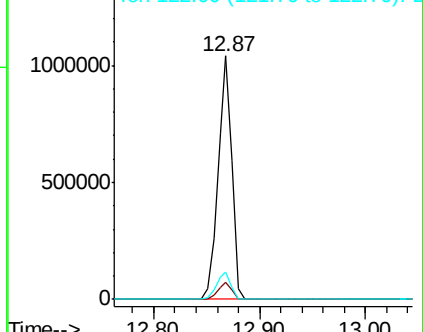
122 11.3 8.1 12.1



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



#84

Bis(2-ethylhexyl)phthalate

Concen: 2.326 ng

RT: 13.90 min Scan# 2008

Delta R.T. -0.01 min

Lab File: BF121887.D

Acq: 8 Oct 2020 14:08

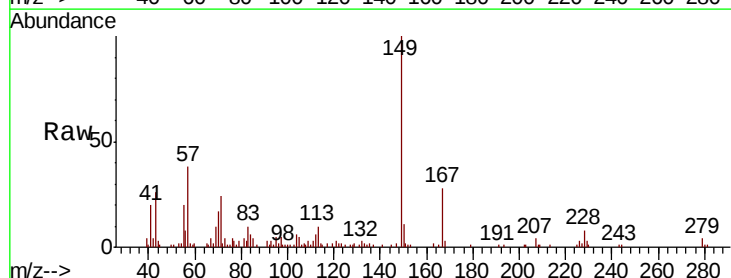
Tgt Ion:149 Resp: 30068

Ion Ratio Lower Upper

149 100

167 27.6 20.9 31.3

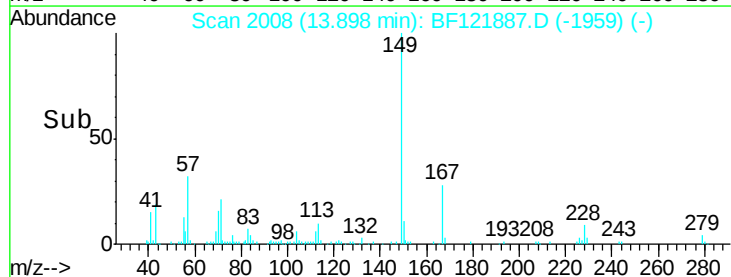
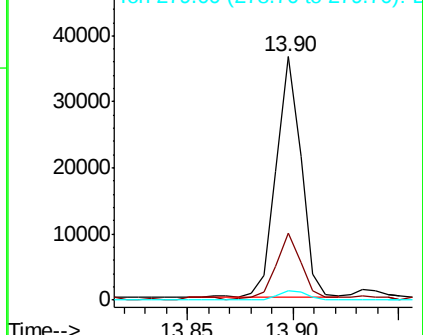
279 3.8 3.2 4.8

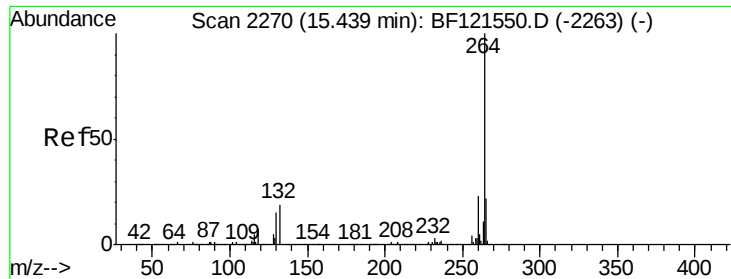


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

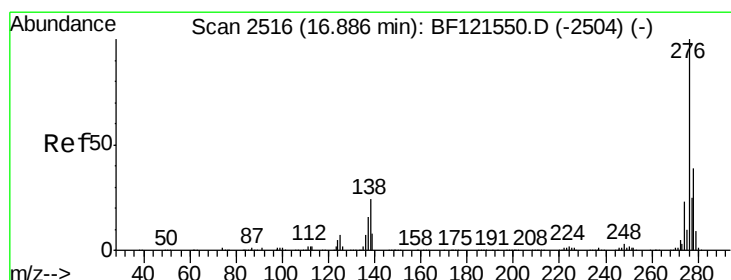
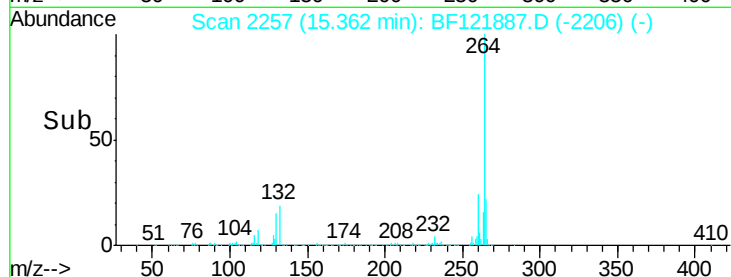
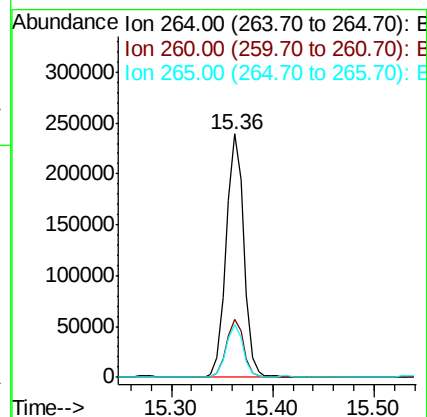
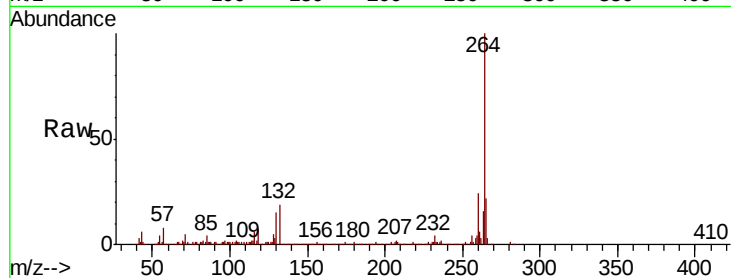




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.36 min Scan# 2257
Delta R.T. -0.00 min
Lab File: BF121887.D
Acq: 8 Oct 2020 14:08

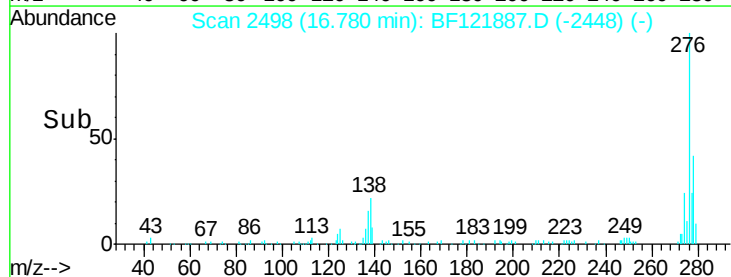
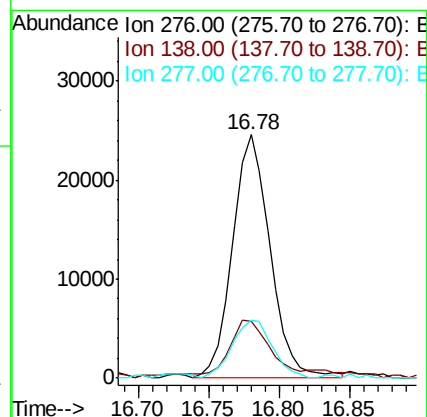
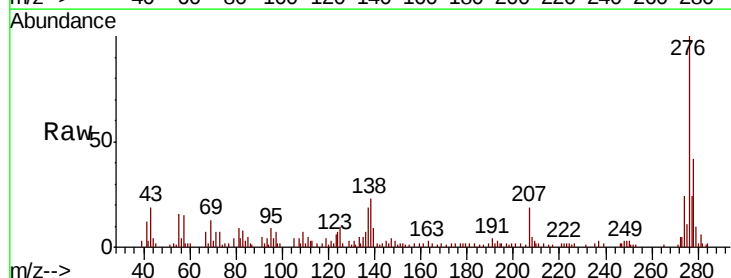
Instrument :
BNA_F
ClientSampleId :
OWLS-HEAD-BH-02-A

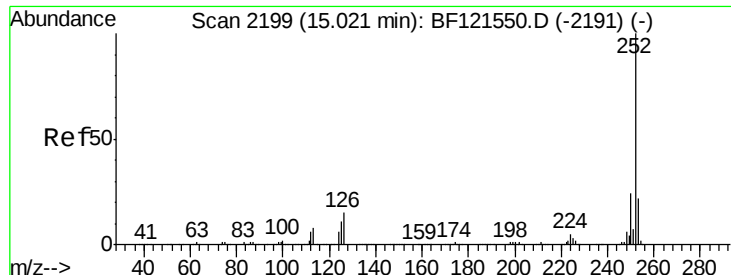
Tot Ion:264 Resp: 291142
Ion Ratio Lower Upper
264 100
260 24.1 18.7 28.1
265 21.6 17.3 25.9



#87
Indeno(1,2,3-cd)pyrene
Concen: 2.422 ng
RT: 16.78 min Scan# 2498
Delta R.T. -0.01 min
Lab File: BF121887.D
Acq: 8 Oct 2020 14:08

Tgt Ion:276 Resp: 45921
Ion Ratio Lower Upper
276 100
138 27.8 19.9 29.9
277 25.5 20.4 30.6

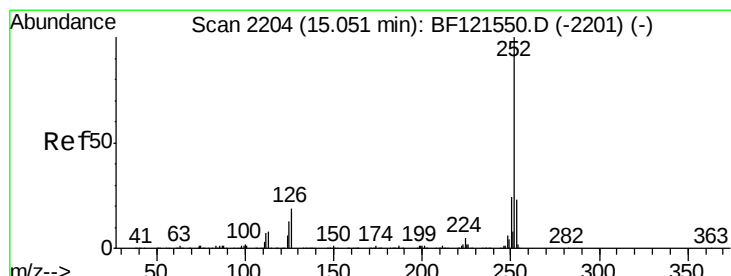
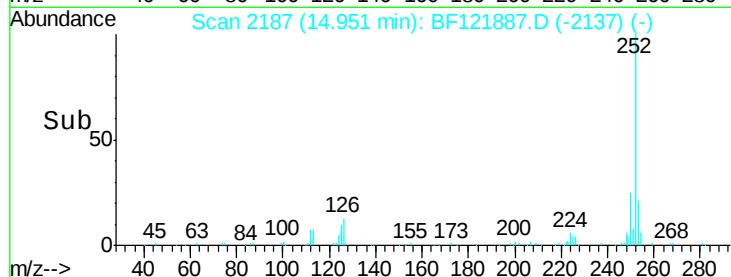
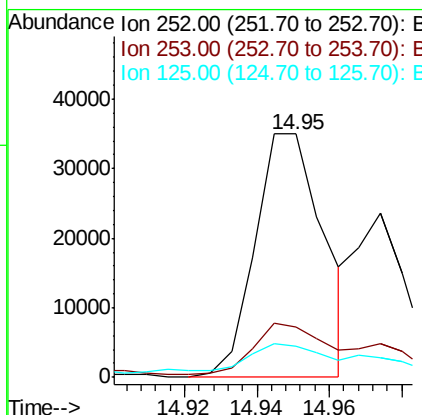
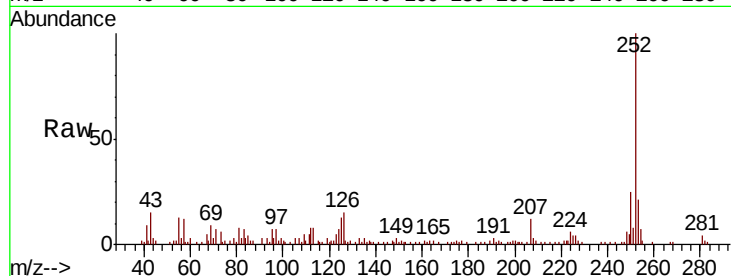




#88
Benzo(b)fluoranthene
Concen: 2.364 ng
RT: 14.95 min Scan# 2187
Delta R.T. -0.01 min
Lab File: BF121887.D
Acq: 8 Oct 2020 14:08

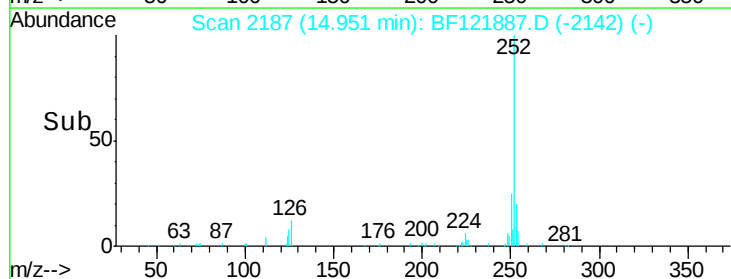
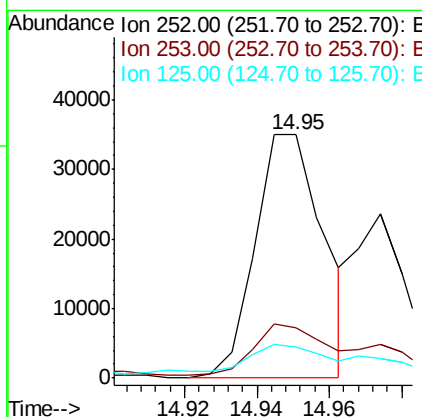
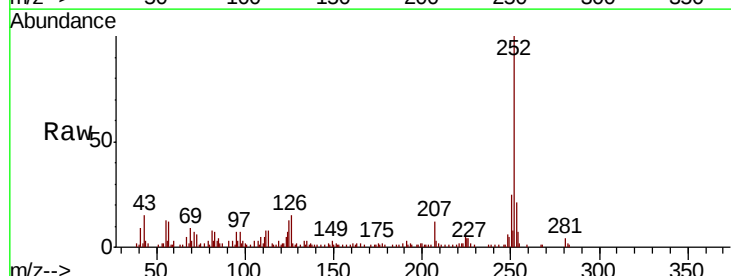
Instrument :
BNA_F
ClientSampleId :
OWLS-HEAD-BH-02-A

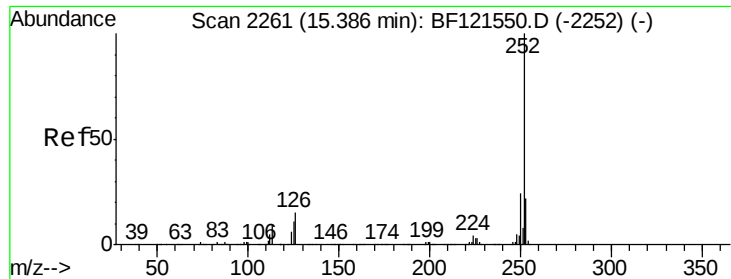
Tot Ion:252 Resp: 46008
Ion Ratio Lower Upper
252 100
253 20.9 18.2 27.2
125 13.0 8.0 12.0#



#89
Benzo(k)fluoranthene
Concen: 2.581 ng
RT: 14.95 min Scan# 2187
Delta R.T. -0.04 min
Lab File: BF121887.D
Acq: 8 Oct 2020 14:08

Tgt Ion:252 Resp: 46008
Ion Ratio Lower Upper
252 100
253 20.9 17.8 26.6
125 13.0 7.7 11.5#





#90

Benzo(a)pyrene

Concen: 2.200 ng

RT: 15.30 min Scan# 2247

Delta R.T. -0.01 min

Lab File: BF121887.D

Acq: 8 Oct 2020 14:08

Instrument :

BNA_F

ClientSampleId :

OWLS-HEAD-BH-02-A

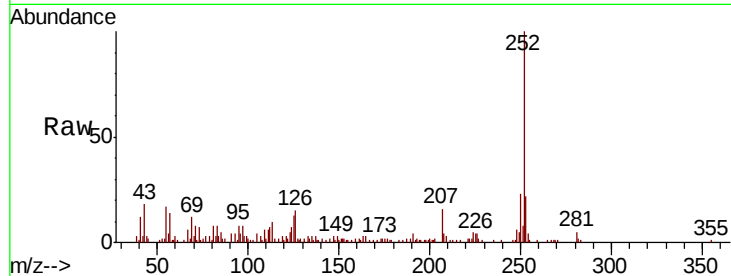
Tot Ion:252 Resp: 36405

Ion Ratio Lower Upper

252 100

253 22.0 17.3 25.9

125 13.2 8.6 13.0#

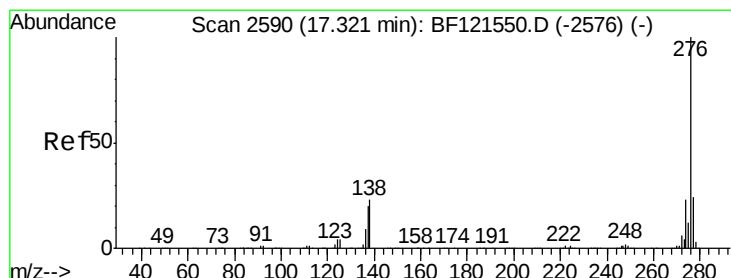
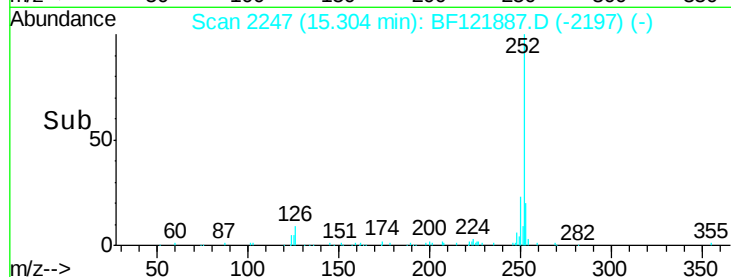
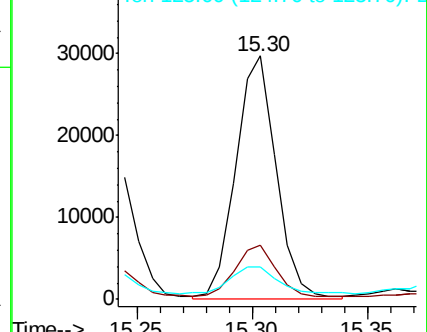


Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#92

Benzo(g,h,i)perylene

Concen: 2.921 ng

RT: 17.21 min Scan# 2571

Delta R.T. -0.00 min

Lab File: BF121887.D

Acq: 8 Oct 2020 14:08

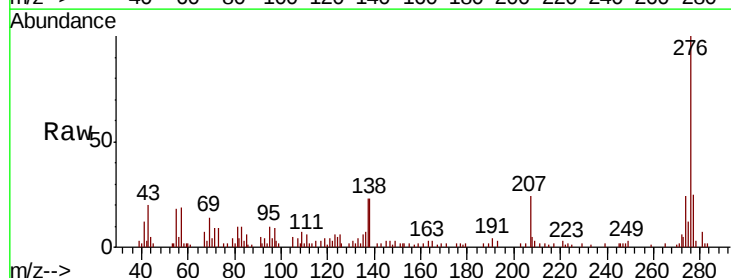
Tgt Ion:276 Resp: 45322

Ion Ratio Lower Upper

276 100

277 25.5 19.4 29.2

138 23.2 17.8 26.6



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

