

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100820\
 Data File : BF121893.D
 Acq On : 8 Oct 2020 17:17
 Operator : JU/CG
 Sample : L4309-04MS
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OWLS-HEAD-BH-04-BMS

Quant Time: Oct 08 19:03:20 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	96759	20.00	ng	-0.01
21) Naphthalene-d8	8.05	136	383863	20.00	ng	-0.01
39) Acenaphthene-d10	9.80	164	197680	20.00	ng	-0.01
64) Phenanthrene-d10	11.29	188	363362	20.00	ng	0.00
76) Chrysene-d12	13.93	240	229630	20.00	ng	0.00
86) Perylene-d12	15.36	264	251032	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.39	112	573324	88.06	ng	0.00
7) Phenol-d6	6.41	99	737885	86.39	ng	0.00
23) Nitrobenzene-d5	7.33	82	509753	71.30	ng	-0.01
42) 2,4,6-Tribromophenol	10.59	330	193282	78.67	ng	-0.01
45) 2-Fluorobiphenyl	9.12	172	913762	70.01	ng	-0.01
79) Terphenyl-d14	12.87	244	884387	78.02	ng	-0.01

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.50	88	127395	42.590	ng	99
3) Pyridine	3.23	79	357072	43.182	ng	100
4) n-Nitrosodimethylamine	3.19	42	172378	44.941	ng	99
6) Aniline	6.42	93	294123	26.438	ng	# 7
8) 2-Chlorophenol	6.55	128	323720	48.834	ng	94
9) Benzaldehyde	6.31	77	77177	13.821	ng	96
10) Phenol	6.42	94	411744	45.267	ng	97
11) bis(2-Chloroethyl)ether	6.50	93	324826	47.381	ng	96
12) 1,3-Dichlorobenzene	6.70	146	350159	47.325	ng	99
13) 1,4-Dichlorobenzene	6.77	146	349167	46.999	ng	98
14) 1,2-Dichlorobenzene	6.93	146	330852	48.342	ng	98
15) Benzyl Alcohol	6.91	79	286016	49.264	ng	99
16) 2,2'-oxybis(1-Chloropropan	7.04	45	502533	45.553	ng	89
17) 2-Methylphenol	7.03	107	263456	46.709	ng	95
18) Hexachloroethane	7.27	117	128619	48.351	ng	98
19) n-Nitroso-di-n-propylamine	7.18	70	235753	47.889	ng	98
20) 3+4-Methylphenols	7.18	107	334370	49.341	ng	# 74
22) Acetophenone	7.17	105	440470	45.226	ng	# 93
24) Nitrobenzene	7.35	77	355903	46.027	ng	99
25) Isophorone	7.59	82	636230	44.208	ng	100
26) 2-Nitrophenol	7.66	139	169302	46.588	ng	96
27) 2,4-Dimethylphenol	7.70	122	287025	44.679	ng	98
28) bis(2-Chloroethoxy)methane	7.79	93	410053	46.024	ng	99
29) 2,4-Dichlorophenol	7.91	162	272429	46.560	ng	99
30) 1,2,4-Trichlorobenzene	7.99	180	280815	45.569	ng	99
31) Naphthalene	8.07	128	914101	45.111	ng	100
32) Benzoic acid	7.86	122	148421	33.427	ng	97
33) 4-Chloroaniline	8.12	127	144325	16.431	ng	99
34) Hexachlorobutadiene	8.18	225	169647	46.901	ng	97
35) Caprolactam	8.50	113	54100	27.765	ng	97
36) 4-Chloro-3-methylphenol	8.62	107	292157	46.351	ng	100
37) 2-Methylnaphthalene	8.76	142	606650	45.683	ng	99
38) 1-Methylnaphthalene	8.86	142	556782	45.051	ng	98
40) 1,2,4,5-Tetrachlorobenzene	8.93	216	286574	46.410	ng	100

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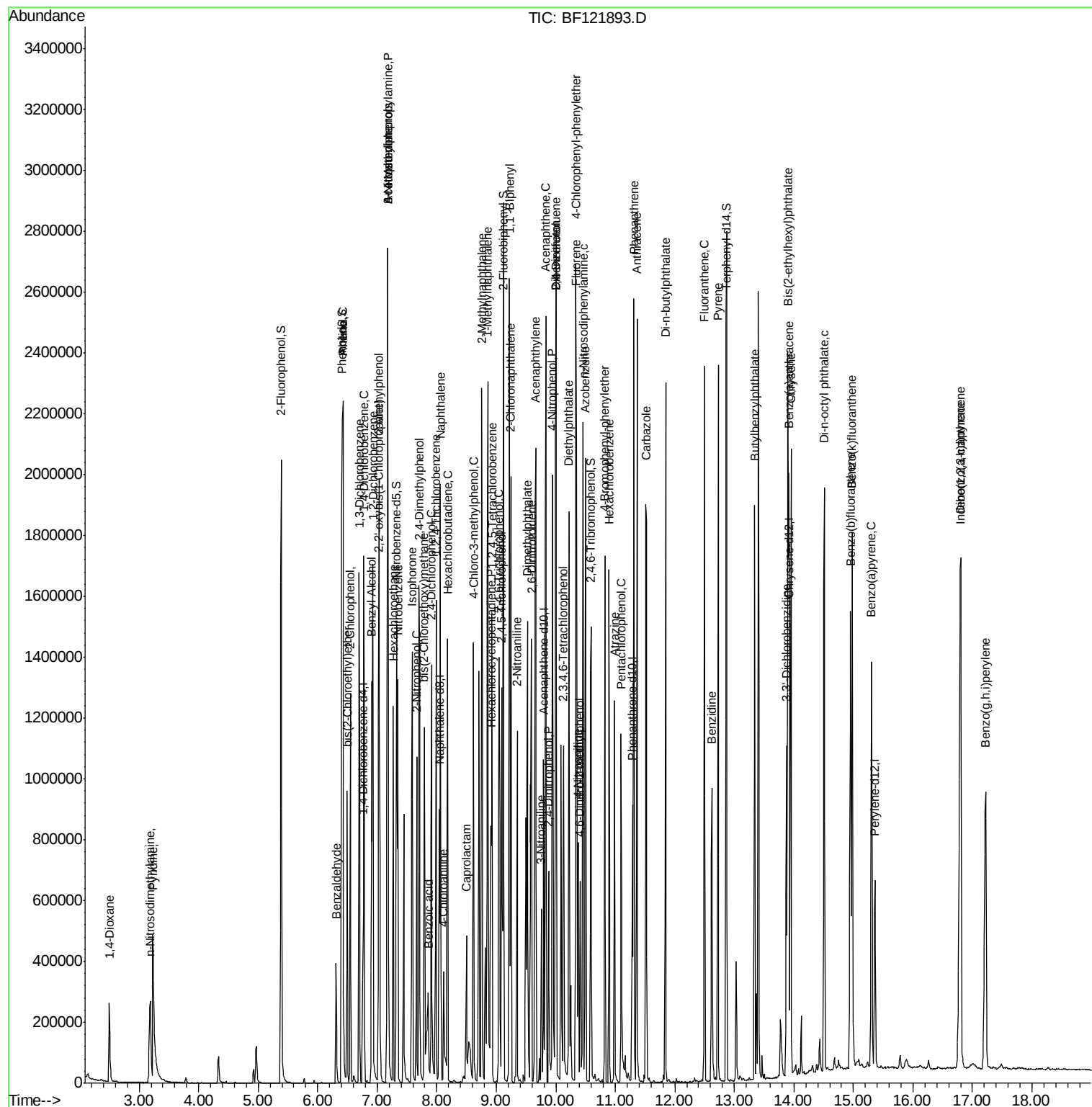
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41) Hexachlorocyclopentadiene	8.91	237	126861	35.976	ng	96
43) 2,4,6-Trichlorophenol	9.05	196	186108	44.218	ng	100
44) 2,4,5-Trichlorophenol	9.09	196	199240	44.778	ng	98
46) 1,1'-Biphenyl	9.22	154	724377	45.773	ng	99
47) 2-Chloronaphthalene	9.25	162	567311	45.491	ng	100
48) 2-Nitroaniline	9.35	65	192106	49.571	ng	97
49) Acenaphthylene	9.66	152	875137	45.672	ng	100
50) Dimethylphthalate	9.53	163	788056	55.003	ng	99
51) 2,6-Dinitrotoluene	9.59	165	149263	48.918	ng	94
52) Acenaphthene	9.83	154	518538	42.846	ng	99
53) 3-Nitroaniline	9.76	138	82373	23.304	ng	99
54) 2,4-Dinitrophenol	9.88	184	102655	60.781	ng	93
55) Dibenzofuran	10.00	168	746198	43.782	ng	99
56) 4-Nitrophenol	9.95	139	183723	65.174	ng	87
57) 2,4-Dinitrotoluene	10.00	165	188297	49.052	ng	# 90
58) Fluorene	10.35	166	612872	47.022	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.13	232	161008	44.511	ng	97
60) Diethylphthalate	10.22	149	671355	48.060	ng	99
61) 4-Chlorophenyl-phenylether	10.34	204	297754	47.690	ng	97
62) 4-Nitroaniline	10.37	138	142504	40.603	ng	96
63) Azobenzene	10.50	77	682510	45.880	ng	99
65) 4,6-Dinitro-2-methylphenol	10.41	198	88078	40.715	ng	87
66) n-Nitrosodiphenylamine	10.46	169	576187	46.220	ng	99
67) 4-Bromophenyl-phenylether	10.83	248	197722	47.793	ng	99
68) Hexachlorobenzene	10.90	284	214581	45.961	ng	97
69) Atrazine	10.99	200	145445	46.961	ng	99
70) Pentachlorophenol	11.10	266	163046	63.590	ng	98
71) Phenanthrene	11.31	178	898198	45.369	ng	100
72) Anthracene	11.36	178	922987	45.178	ng	99
73) Carbazole	11.52	167	814481	44.178	ng	99
74) Di-n-butylphthalate	11.85	149	1049650	49.329	ng	100
75) Fluoranthene	12.50	202	902231	42.692	ng	99
77) Benzidine	12.62	184	403090	52.950	ng	99
78) Pyrene	12.73	202	883800	52.678	ng	99
80) Butylbenzylphthalate	13.34	149	393913	58.053	ng	98
81) Benzo(a)anthracene	13.92	228	714059	49.152	ng	100
82) 3,3'-Dichlorobenzidine	13.87	252	214035	37.738	ng	99
83) Chrysene	13.95	228	676131	45.961	ng	100
84) Bis(2-ethylhexyl)phthalate	13.90	149	557086	61.457	ng	99
85) Di-n-octyl phthalate	14.51	149	878352	54.906	ng	100
87) Indeno(1,2,3-cd)pyrene	16.79	276	918253	56.169	ng	100
88) Benzo(b)fluoranthene	14.95	252	715453	42.633	ng	99
89) Benzo(k)fluoranthene	14.98	252	699350	45.508	ng	99
90) Benzo(a)pyrene	15.30	252	673135	47.188	ng	98
91) Dibenzo(a,h)anthracene	16.80	278	751194	55.200	ng	99
92) Benzo(g,h,i)perylene	17.22	276	788992	58.982	ng	99

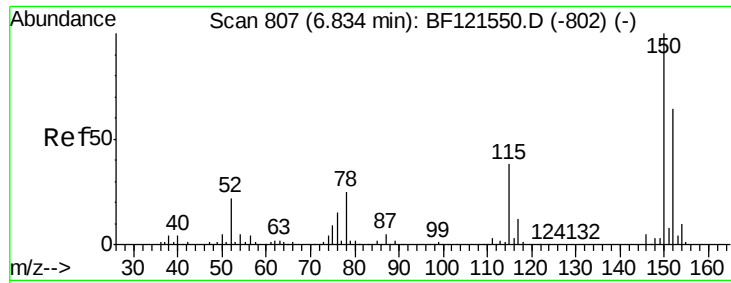
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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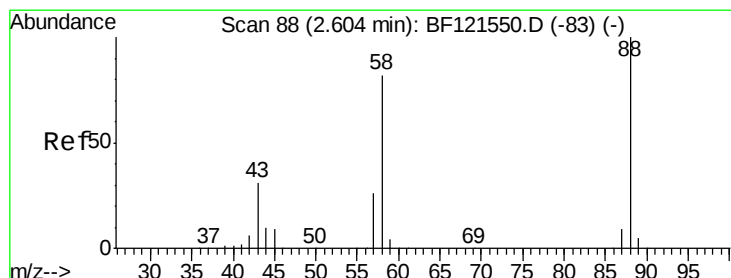
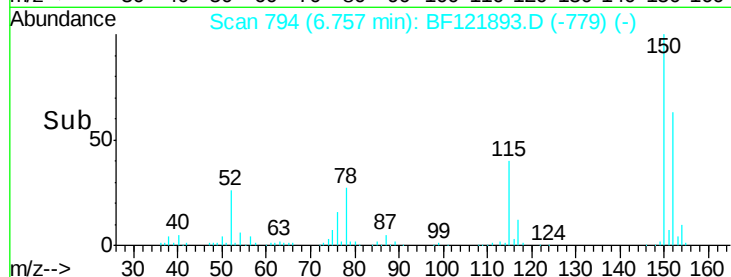
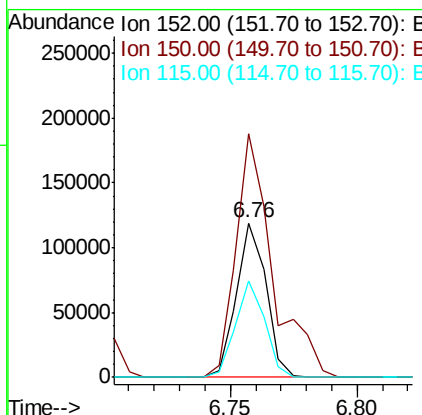
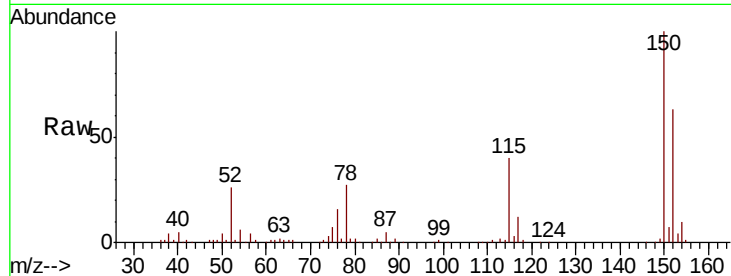


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.76 min Scan# 794
Delta R.T. -0.01 min
Lab File: BF121893.D
Acq: 8 Oct 2020 17:17

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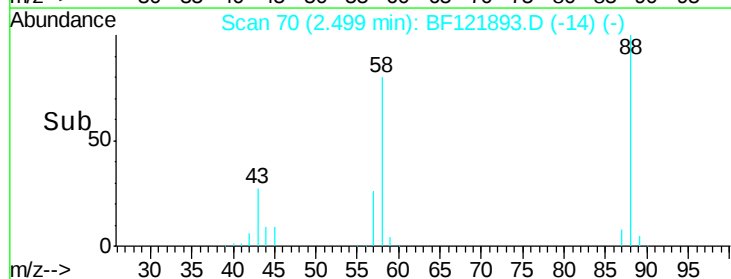
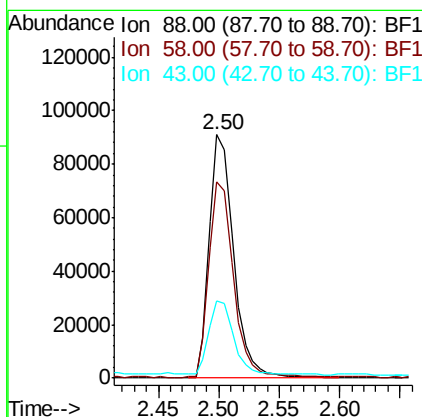
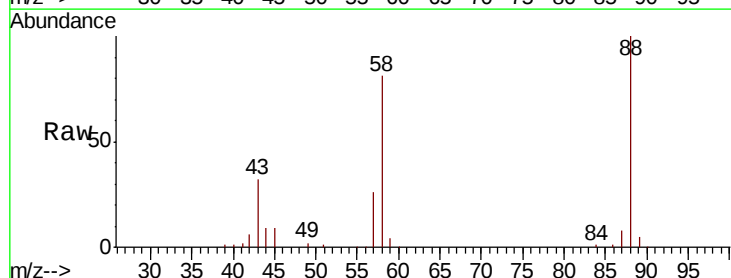
Tot Ion:152 Resp: 96759
Ion Ratio Lower Upper
152 100
150 157.9 125.3 187.9
115 62.8 51.9 77.9

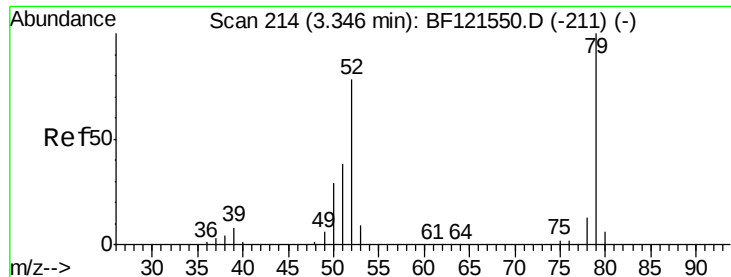


#2

1,4-Dioxane
Concen: 42.590 ng
RT: 2.50 min Scan# 70
Delta R.T. 0.03 min
Lab File: BF121893.D
Acq: 8 Oct 2020 17:17

Tgt Ion: 88 Resp: 127395
Ion Ratio Lower Upper
88 100
58 82.5 65.8 98.8
43 31.0 25.8 38.8





#3

Pvridine

Concen: 43.182 ng

RT: 3.23 min Scan# 194

Delta R.T. 0.04 min

Lab File: BF121893.D

Acq: 8 Oct 2020 17:17

Instrument :

BNA_F

ClientSampleId :

OWLS-HEAD-BH-04-BMS

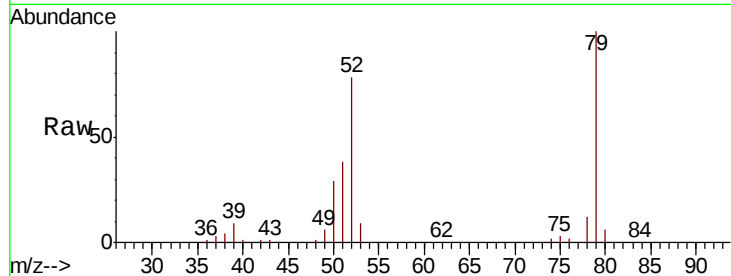
Tot Ion: 79 Resp: 357072

Ion Ratio Lower Upper

79 100

52 77.7 62.2 93.4

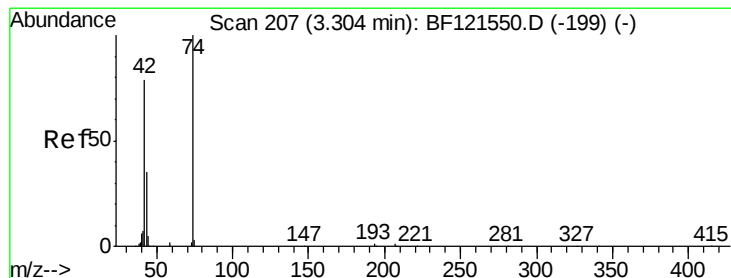
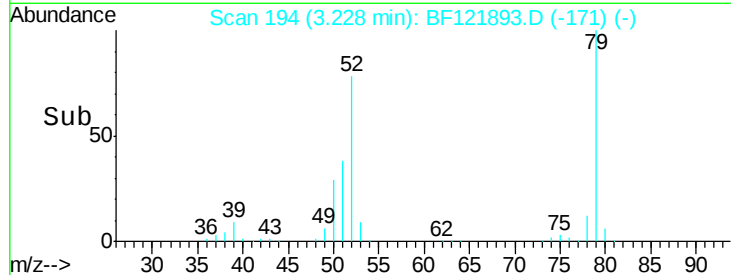
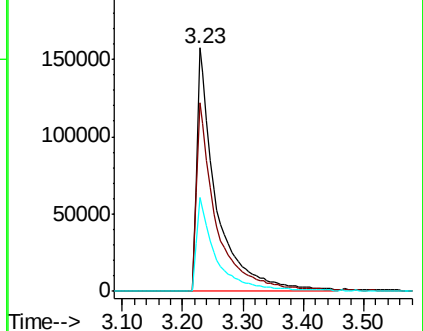
51 38.5 31.1 46.7



Abundance Ion 79.00 (78.70 to 79.70): BF1

Ion 52.00 (51.70 to 52.70): BF1

Ion 51.00 (50.70 to 51.70): BF1



#4

n-Nitrosodimethylamine

Concen: 44.941 ng

RT: 3.19 min Scan# 187

Delta R.T. 0.03 min

Lab File: BF121893.D

Acq: 8 Oct 2020 17:17

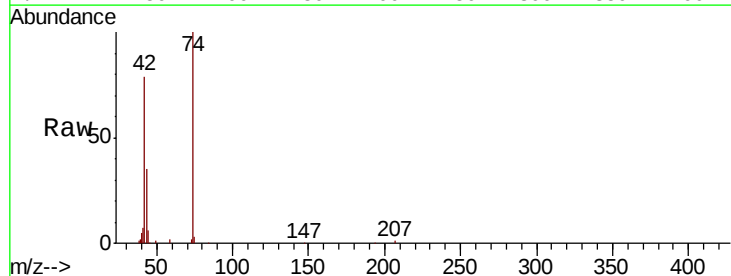
Tgt Ion: 42 Resp: 172378

Ion Ratio Lower Upper

42 100

74 125.8 100.2 150.2

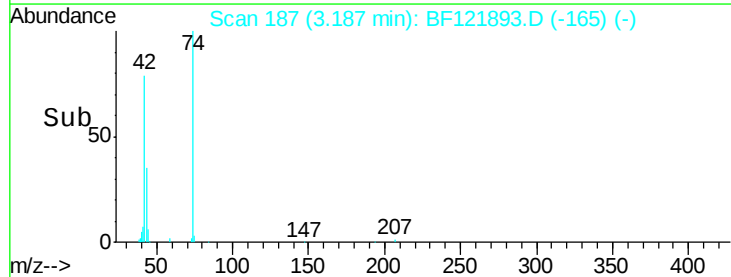
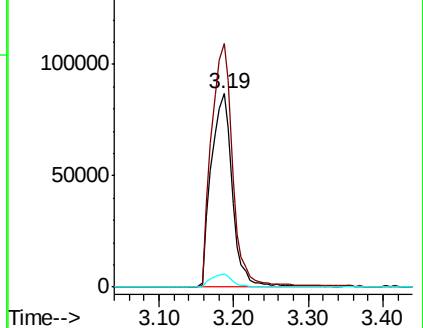
44 7.0 5.8 8.6

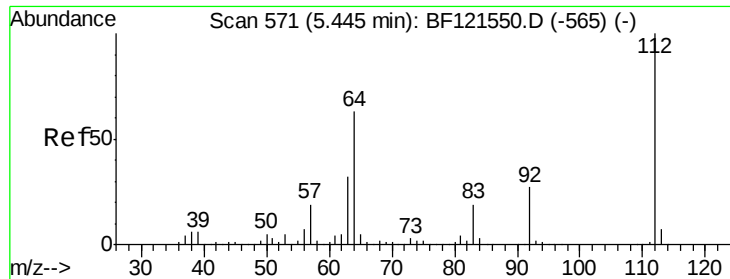


Abundance Ion 42.00 (41.70 to 42.70): BF1

Ion 74.00 (73.70 to 74.70): BF1

Ion 44.00 (43.70 to 44.70): BF1





#5

2-Fluorophenol

Concen: 88.057 ng

RT: 5.39 min Scan# 561

Delta R.T. 0.00 min

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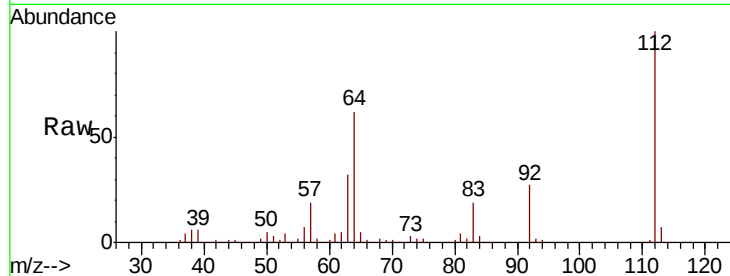
Tot Ion:112 Resp: 573324

Ion Ratio Lower Upper

112 100

64 62.2 50.4 75.6

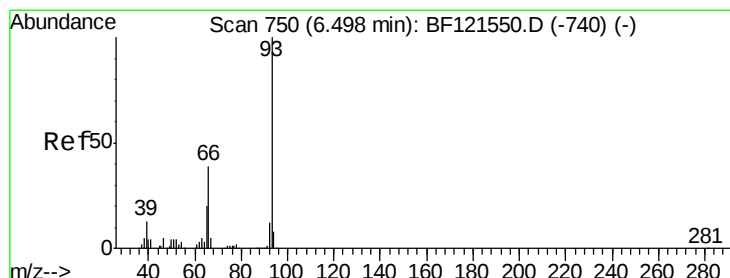
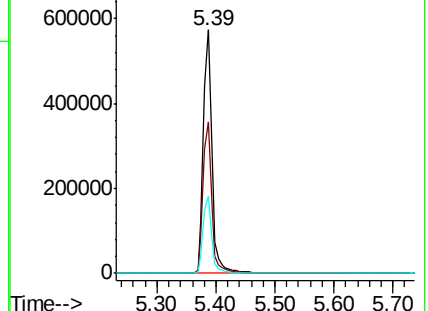
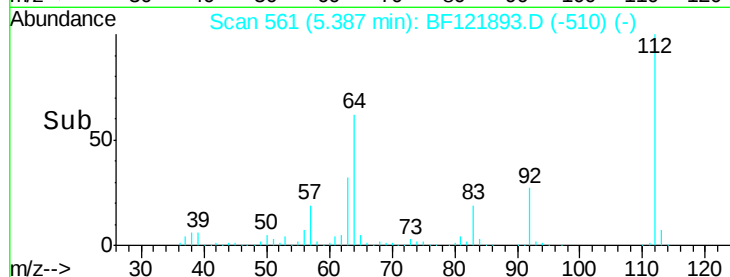
63 31.7 25.8 38.6



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



#6

Aniline

Concen: 26.438 ng

RT: 6.42 min Scan# 737

Delta R.T. -0.02 min

Lab File: BF121893.D

Acq: 8 Oct 2020 17:17

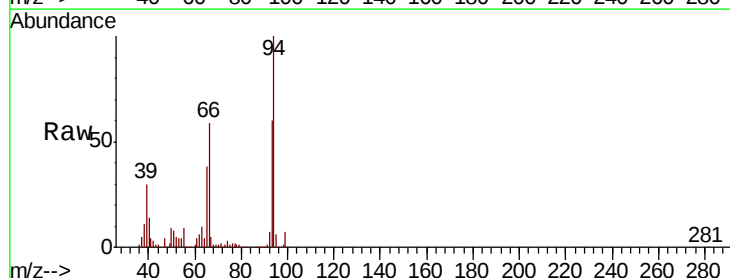
Tgt Ion: 93 Resp: 294123

Ion Ratio Lower Upper

93 100

66 99.5 32.7 49.1#

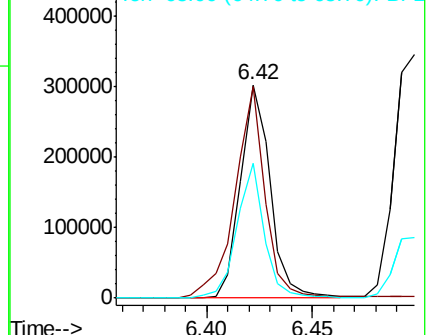
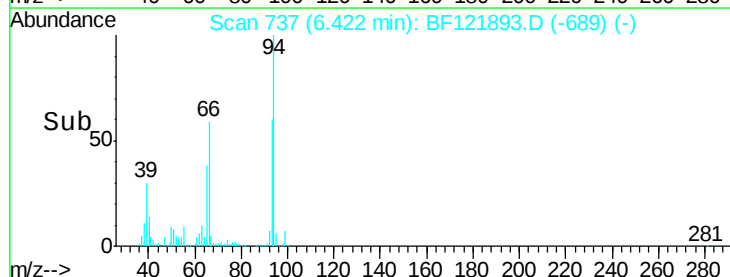
65 63.3 16.6 24.8#

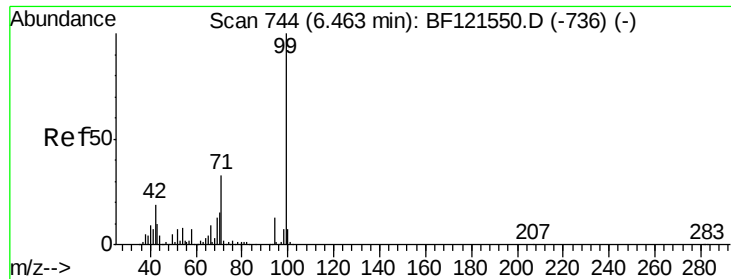


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 86.385 ng

RT: 6.41 min Scan# 735

Delta R.T. -0.01 min

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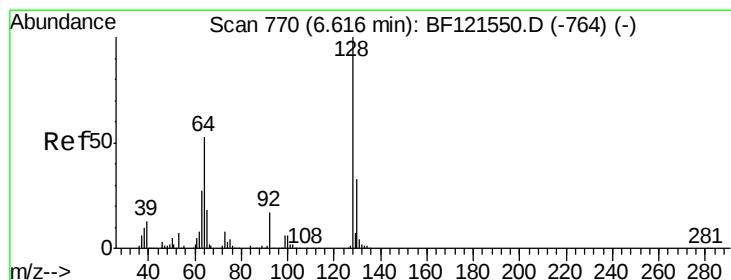
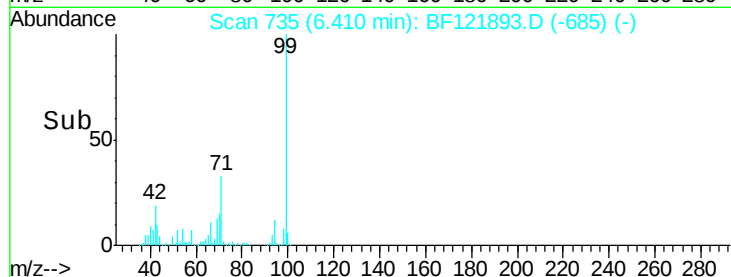
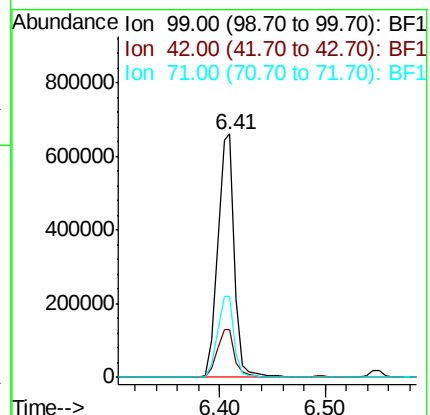
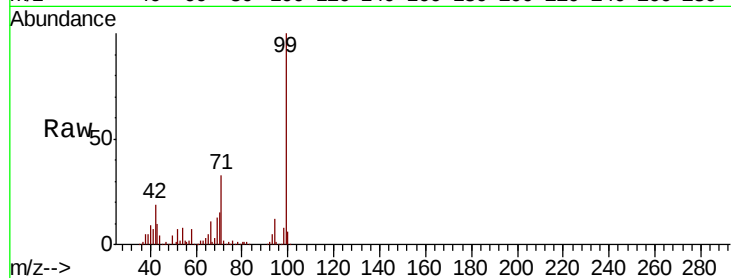
Tot Ion: 99 Resp: 737885

Ion Ratio Lower Upper

99 100

42 19.5 15.9 23.9

71 33.2 27.1 40.7



#8

2-Chlorophenol

Concen: 48.834 ng

RT: 6.55 min Scan# 759

Delta R.T. -0.01 min

Lab File: BF121893.D

Acq: 8 Oct 2020 17:17

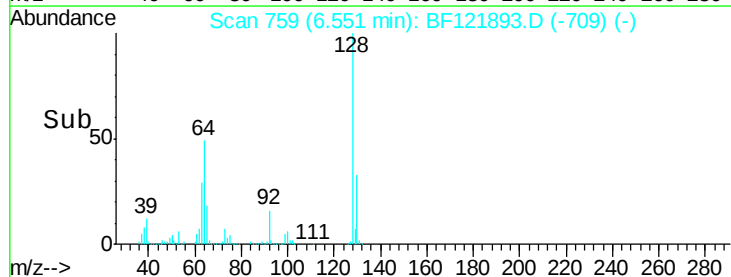
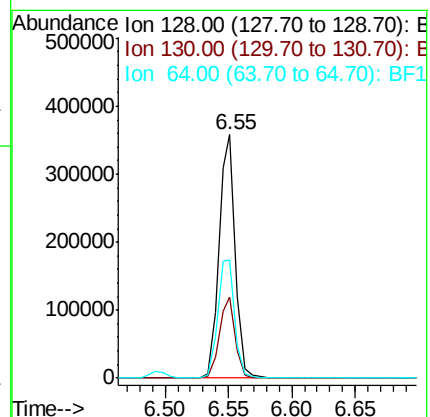
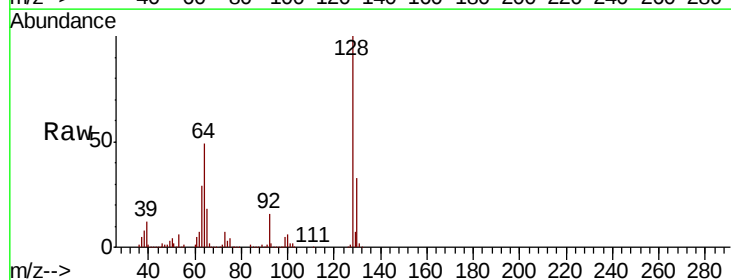
Tgt Ion: 128 Resp: 323720

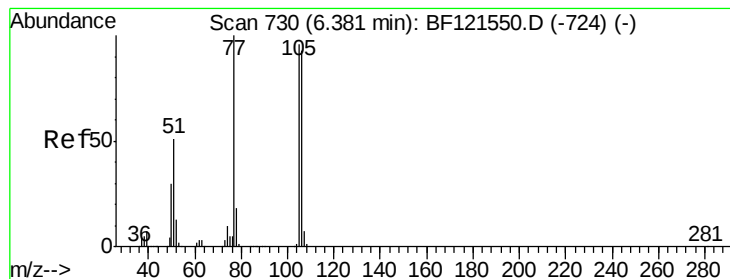
Ion Ratio Lower Upper

128 100

130 33.2 12.4 52.4

64 48.7 34.8 74.8





#9

Benzaldehyde

Concen: 13.821 ng

RT: 6.31 min Scan# 718

Delta R.T. -0.01 min

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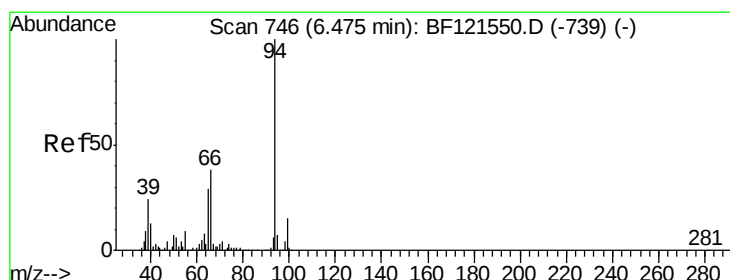
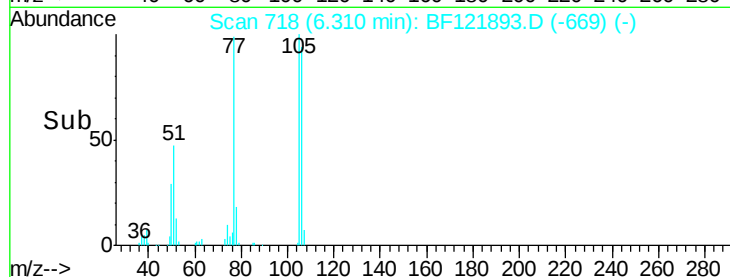
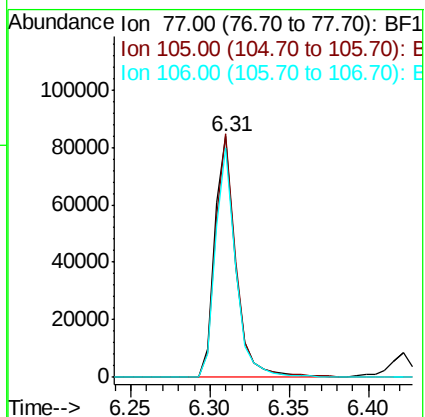
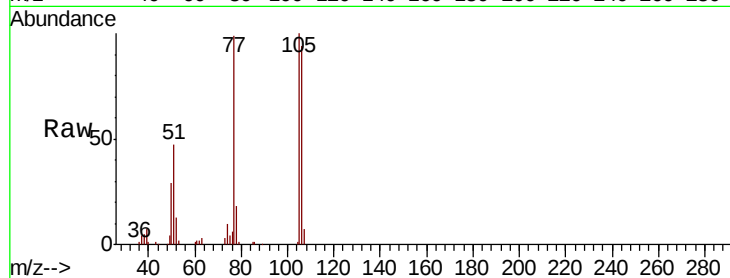
Tot Ion: 77 Resp: 77177

Ion Ratio Lower Upper

77 100

105 101.0 76.7 116.7

106 95.4 71.3 111.3



#10

Phenol

Concen: 45.267 ng

RT: 6.42 min Scan# 737

Delta R.T. -0.01 min

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Acq: 8 Oct 2020 17:17

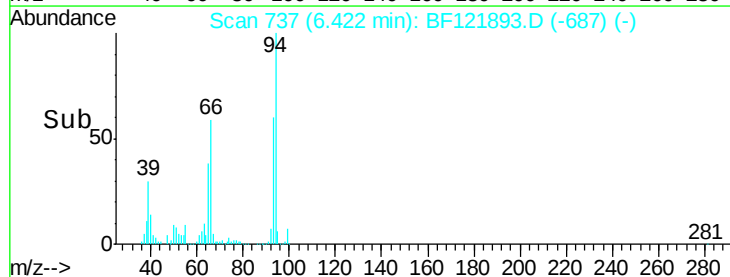
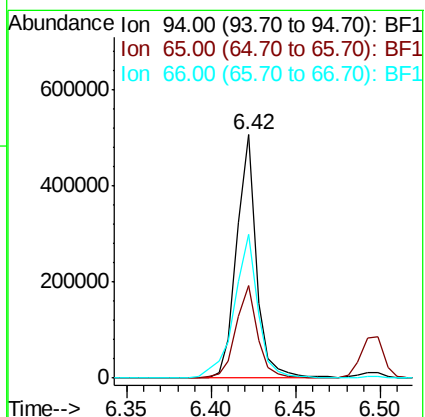
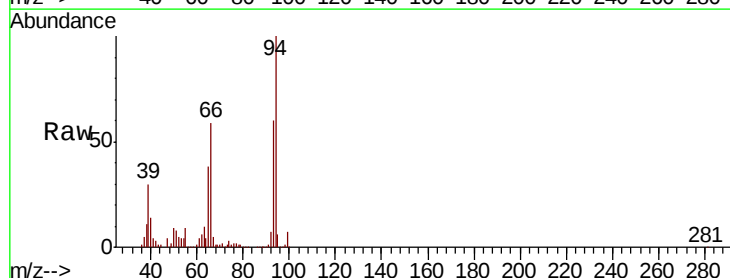
Tgt Ion: 94 Resp: 411744

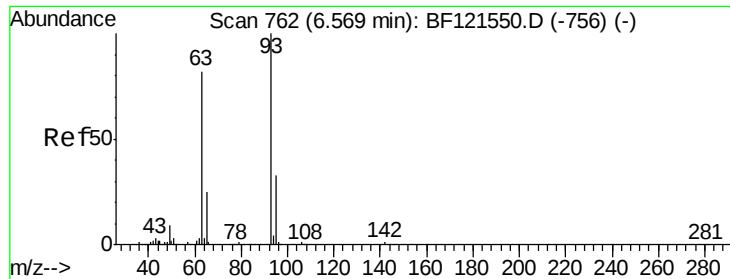
Ion Ratio Lower Upper

94 100

65 37.8 17.1 57.1

66 59.3 36.0 76.0

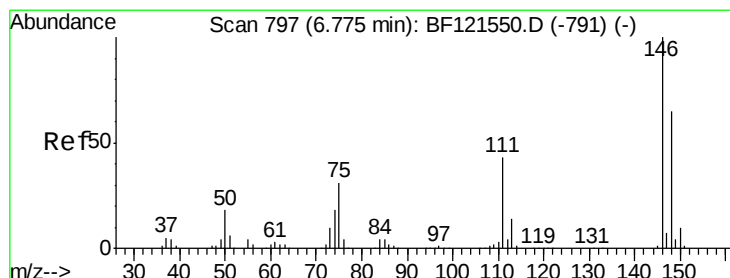
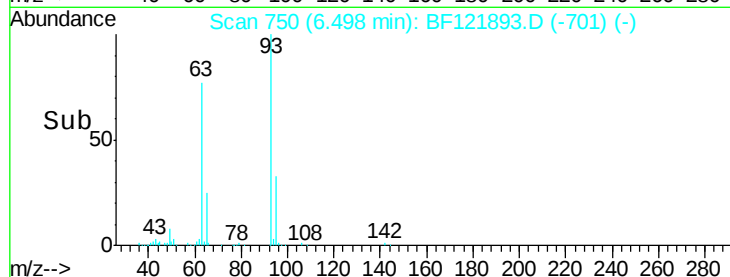
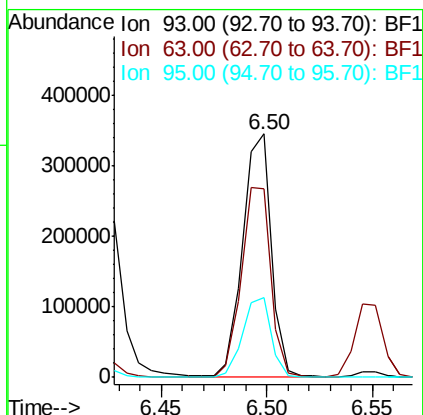
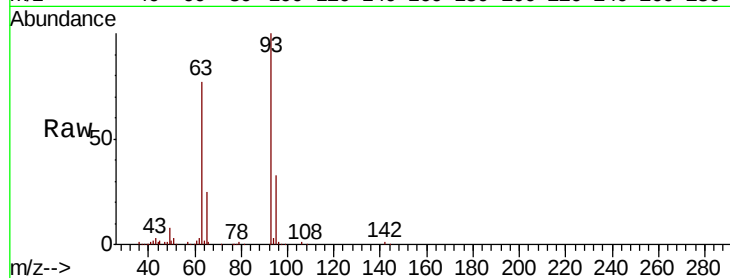




#11
bis(2-Chloroethyl)ether
Concen: 47.381 ng
RT: 6.50 min Scan# 750
Delta R.T. -0.01 min
Lab File: BF121893.D
Acq: 8 Oct 2020 17:17

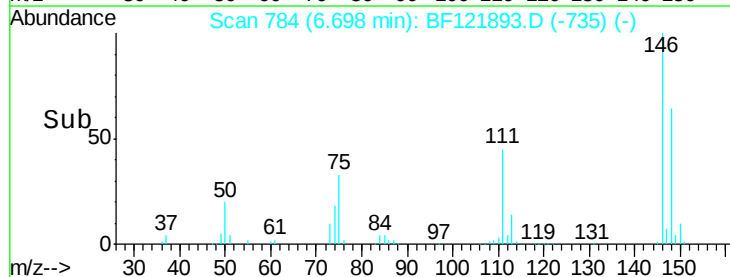
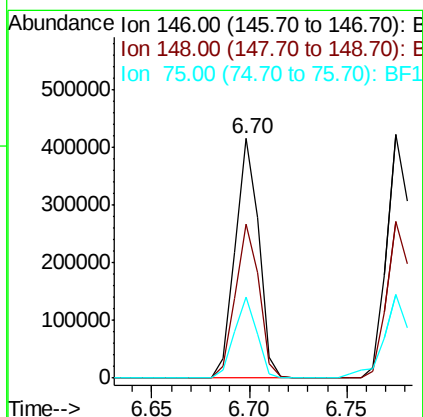
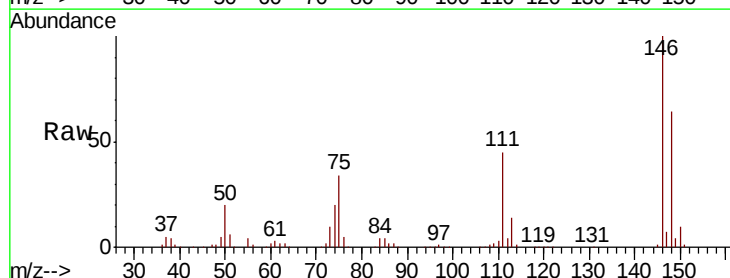
Instrument :
BNA_F
ClientSampleId :
OWLS-HEAD-BH-04-BMS

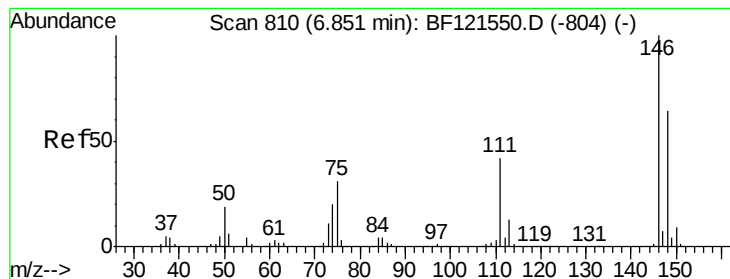
Tot Ion: 93 Resp: 324826
Ion Ratio Lower Upper
93 100
63 77.4 62.4 102.4
95 32.8 12.6 52.6



#12
1,3-Dichlorobenzene
Concen: 47.325 ng
RT: 6.70 min Scan# 784
Delta R.T. -0.01 min
Lab File: BF121893.D
Acq: 8 Oct 2020 17:17

Tgt Ion: 146 Resp: 350159
Ion Ratio Lower Upper
146 100
148 64.2 51.0 76.4
75 33.6 27.6 41.4





#13

1,4-Dichlorobenzene

Concen: 46.999 ng

RT: 6.77 min Scan# 797

Delta R.T. -0.01 min

Lab File: BF121893.D

Acq: 8 Oct 2020 17:17

Instrument :

BNA_F

ClientSampleId :

OWLS-HEAD-BH-04-BMS

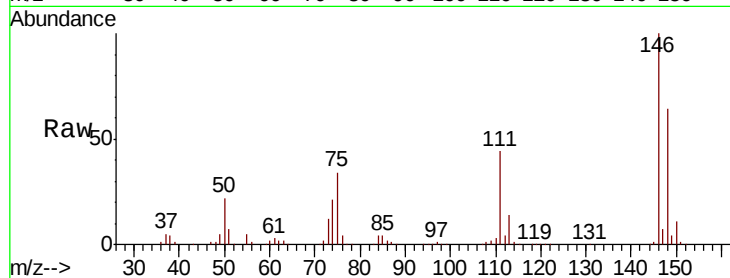
Tot Ion:146 Resp: 349167

Ion Ratio Lower Upper

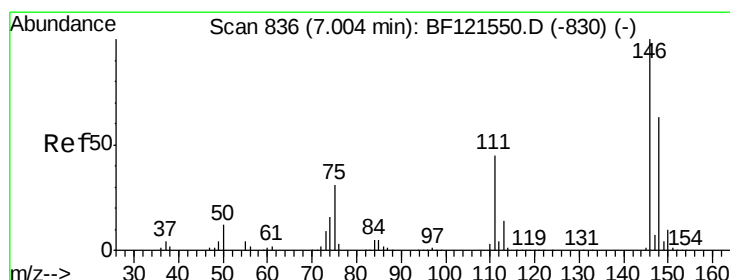
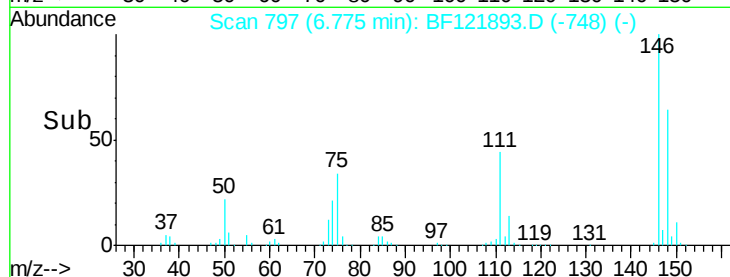
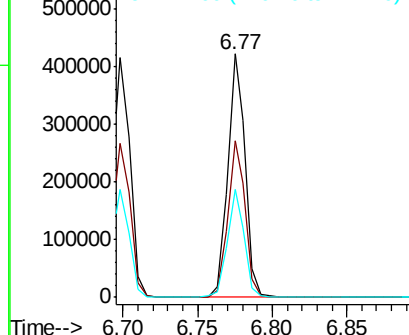
146 100

148 64.3 50.1 75.1

111 44.3 34.6 52.0



Abundance Ion 146.00 (145.70 to 146.70): E
Ion 148.00 (147.70 to 148.70): E
Ion 111.00 (110.70 to 111.70): E



#14

1,2-Dichlorobenzene

Concen: 48.342 ng

RT: 6.93 min Scan# 823

Delta R.T. -0.02 min

Lab File: BF121893.D

Acq: 8 Oct 2020 17:17

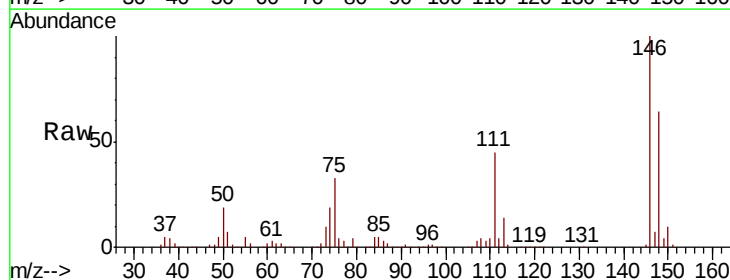
Tgt Ion:146 Resp: 330852

Ion Ratio Lower Upper

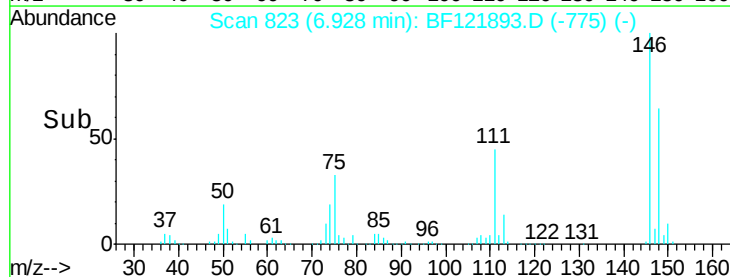
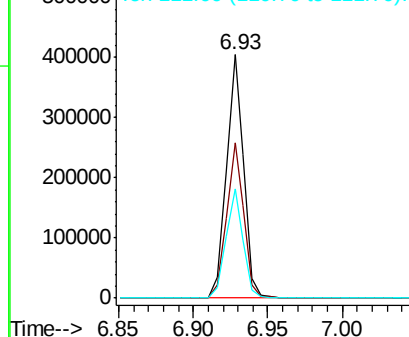
146 100

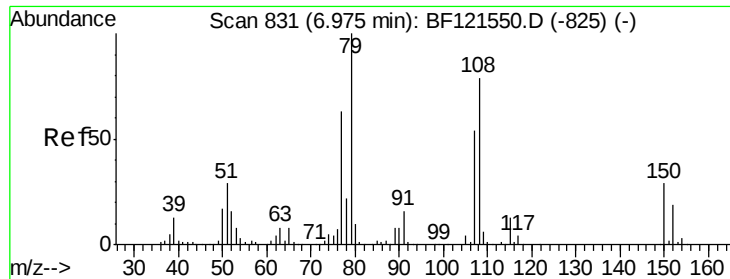
148 63.6 51.1 76.7

111 45.0 34.2 51.4



Abundance Ion 146.00 (145.70 to 146.70): E
Ion 148.00 (147.70 to 148.70): E
Ion 111.00 (110.70 to 111.70): E





#15

Benzyl Alcohol

Concen: 49.264 ng

RT: 6.91 min Scan# 820

Delta R.T. -0.01 min

Lab File: BF121893.D

Acq: 8 Oct 2020 17:17

Instrument :

BNA_F

ClientSampleId :

OWLS-HEAD-BH-04-BMS

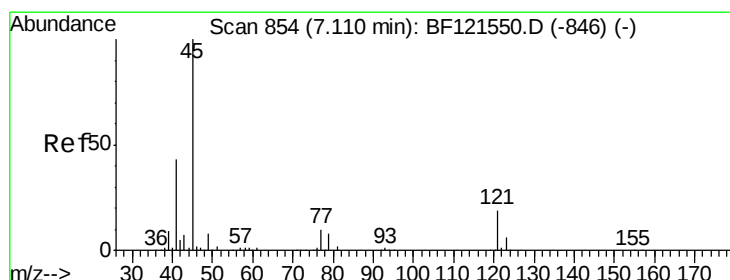
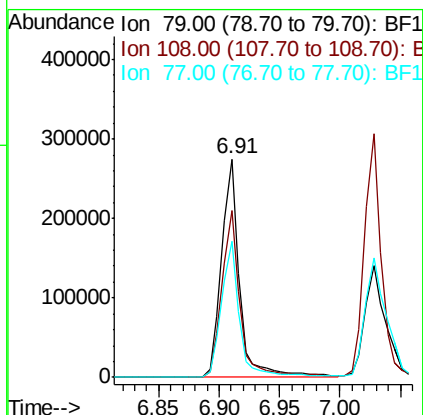
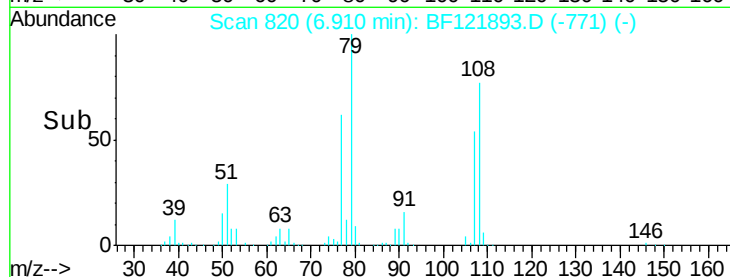
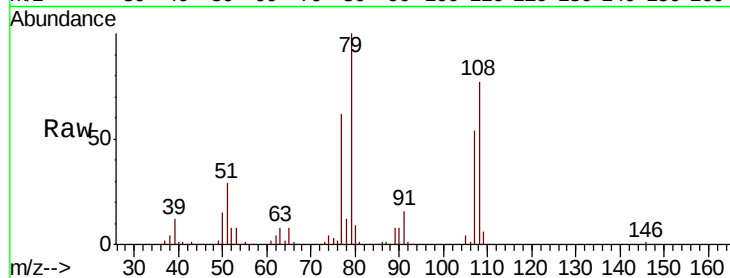
Tot Ion: 79 Resp: 286016

Ion Ratio Lower Upper

79 100

108 76.6 62.3 93.5

77 62.1 50.6 75.8



#16

2,2'-oxybis(1-Chloropropane)

Concen: 45.553 ng

RT: 7.04 min Scan# 842

Delta R.T. -0.01 min

Lab File: BF121893.D

Acq: 8 Oct 2020 17:17

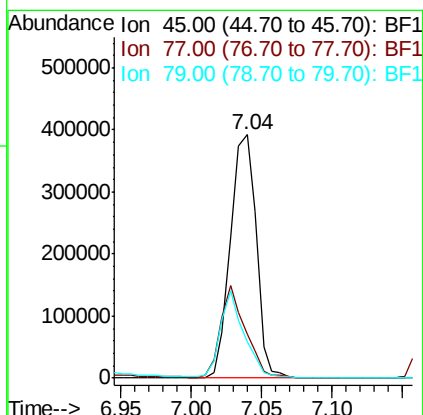
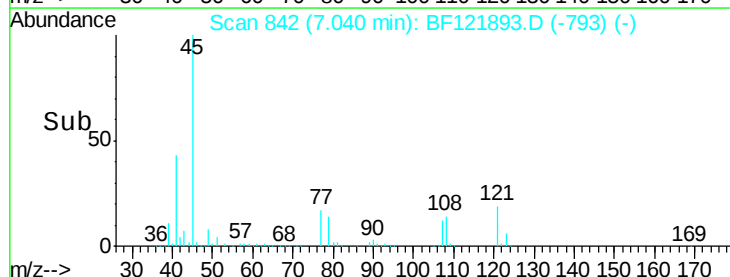
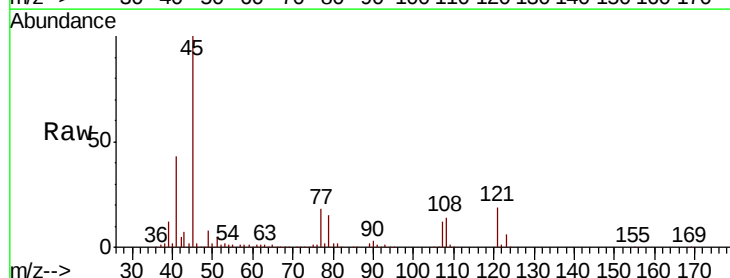
Tgt Ion: 45 Resp: 502533

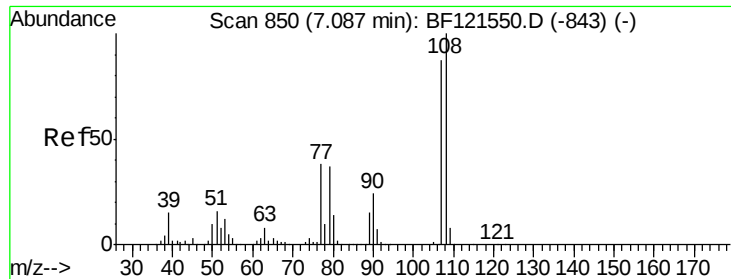
Ion Ratio Lower Upper

45 100

77 17.8 0.0 33.3

79 14.8 0.0 30.4

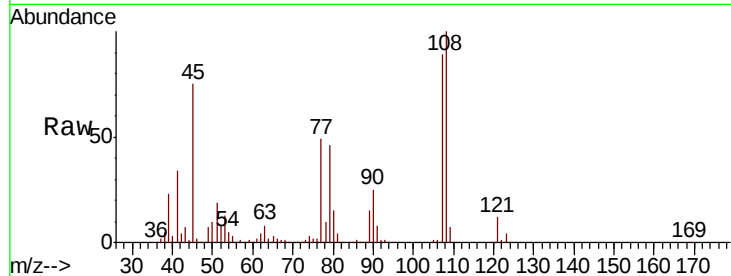




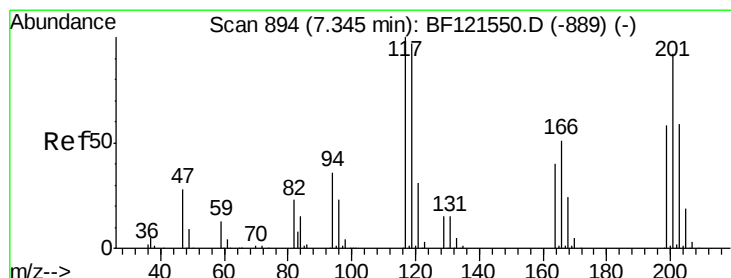
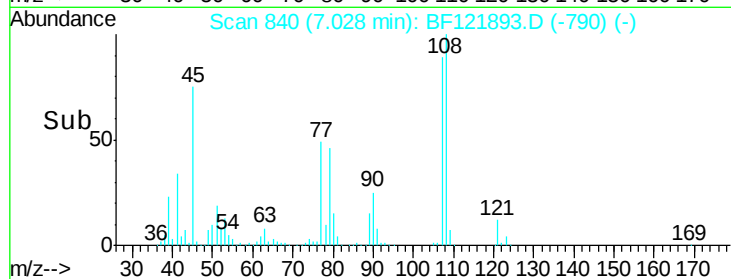
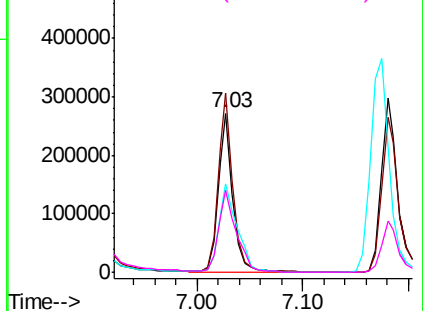
#17
2-Methylphenol
Concen: 46.709 ng
RT: 7.03 min Scan# 840
Delta R.T. -0.01 min
Lab File: BF121893.D
Acq: 8 Oct 2020 17:17

Instrument :
BNA_F
ClientSampleId :
OWLS-HEAD-BH-04-BMS

Tot Ion:107 Resp: 263456
Ion Ratio Lower Upper
107 100
108 112.5 90.9 136.3
77 55.2 37.5 56.3
79 51.7 37.4 56.0

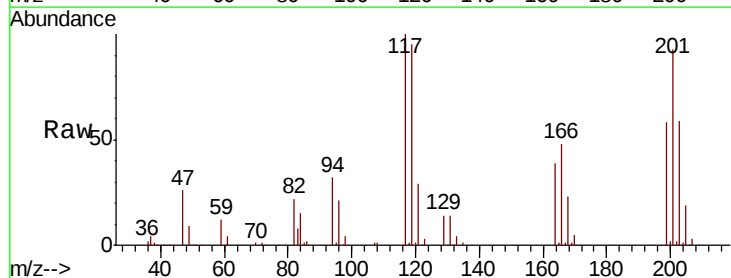


Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BF1
Ion 79.00 (78.70 to 79.70): BF1

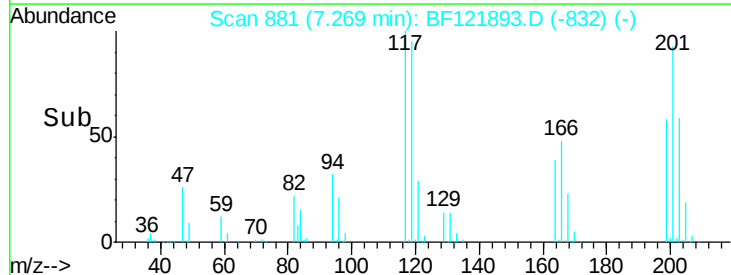
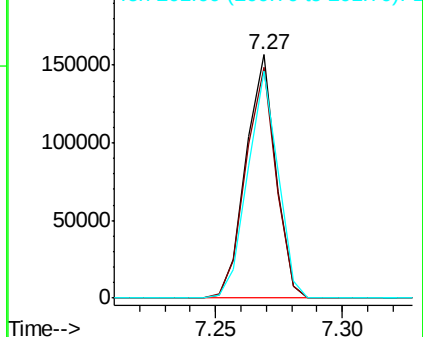


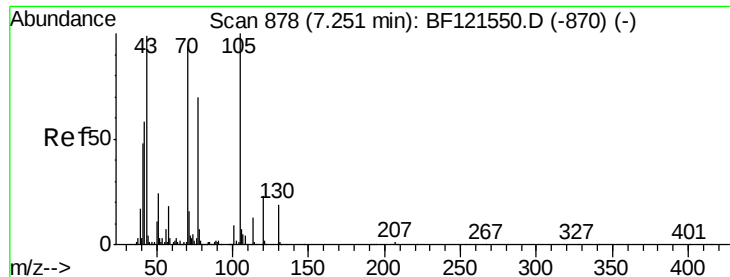
#18
Hexachloroethane
Concen: 48.351 ng
RT: 7.27 min Scan# 881
Delta R.T. -0.01 min
Lab File: BF121893.D
Acq: 8 Oct 2020 17:17

Tgt Ion:117 Resp: 128619
Ion Ratio Lower Upper
117 100
119 94.9 76.3 114.5
201 93.3 71.8 107.6



Abundance Ion 117.00 (116.70 to 117.70): E
Ion 119.00 (118.70 to 119.70): E
Ion 201.00 (200.70 to 201.70): E

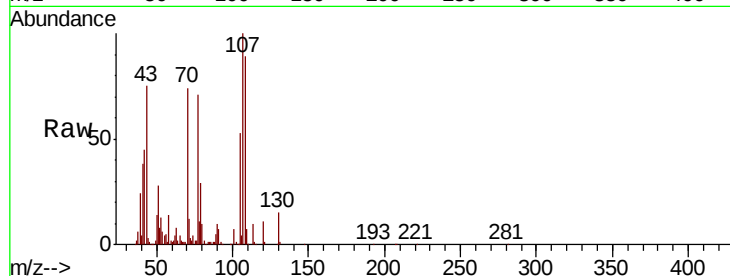




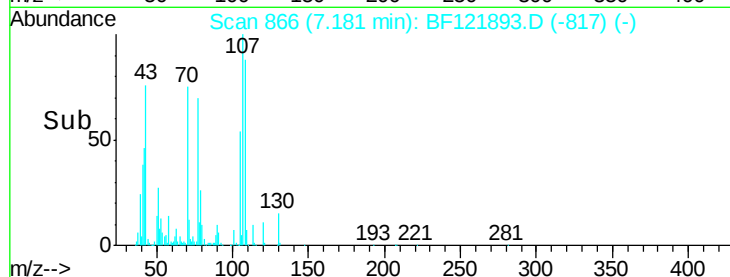
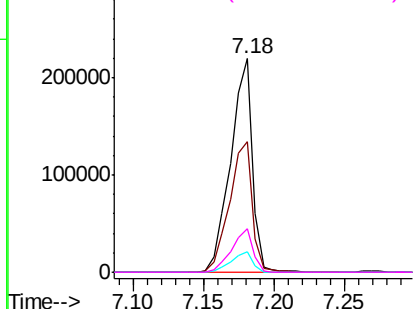
#19
n-Nitroso-di-n-propylamine
Concen: 47.889 ng
RT: 7.18 min Scan# 866
Delta R.T. -0.01 min
Lab File: BF121893.D
Acq: 8 Oct 2020 17:17

Instrument :
BNA_F
ClientSampleId :
OWLS-HEAD-BH-04-BMS

Tot Ion: 70 Resp: 235753
Ion Ratio Lower Upper
70 100
42 61.4 50.2 75.4
101 9.6 7.5 11.3
130 20.3 15.5 23.3



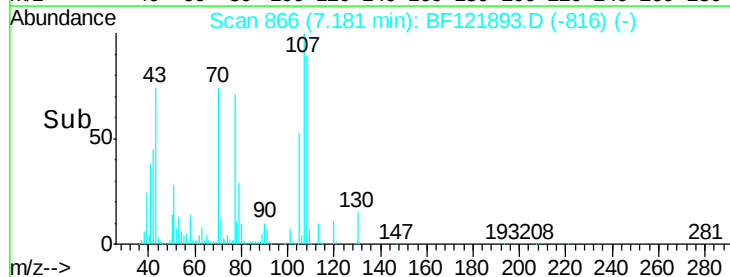
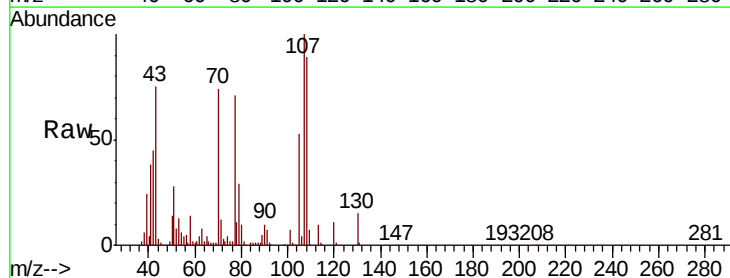
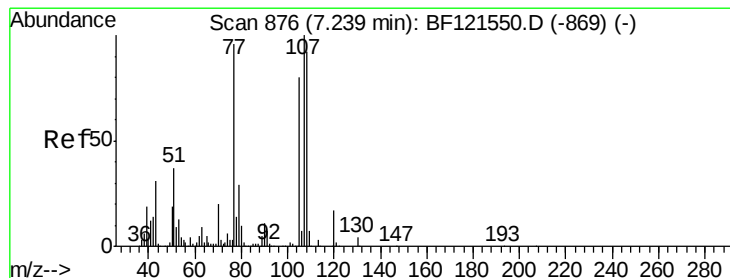
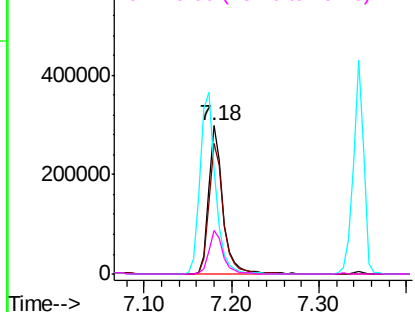
Abundance Ion 70.00 (69.70 to 70.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 101.00 (100.70 to 101.70): BF1
Ion 130.00 (129.70 to 130.70): BF1

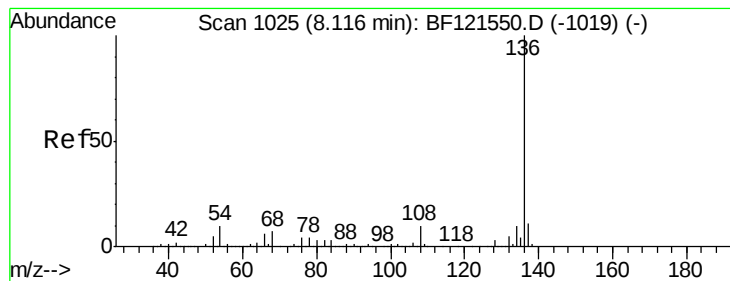


#20
3+4-Methylphenols
Concen: 49.341 ng
RT: 7.18 min Scan# 866
Delta R.T. -0.01 min
Lab File: BF121893.D
Acq: 8 Oct 2020 17:17

Tgt Ion: 107 Resp: 334370
Ion Ratio Lower Upper
107 100
108 88.5 68.9 108.9
77 71.0 108.0 148.0#
79 29.3 10.5 50.5

Abundance Ion 107.00 (106.70 to 107.70): BF1
Ion 108.00 (107.70 to 108.70): BF1
Ion 77.00 (76.70 to 77.70): BF1
Ion 79.00 (78.70 to 79.70): BF1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.05 min Scan# 1013

Delta R.T. -0.01 min

Lab File: BF121893.D

Acq: 8 Oct 2020 17:17

Instrument :

BNA_F

ClientSampleId :

OWLS-HEAD-BH-04-BMS

Tot Ion:136 Resp: 383863

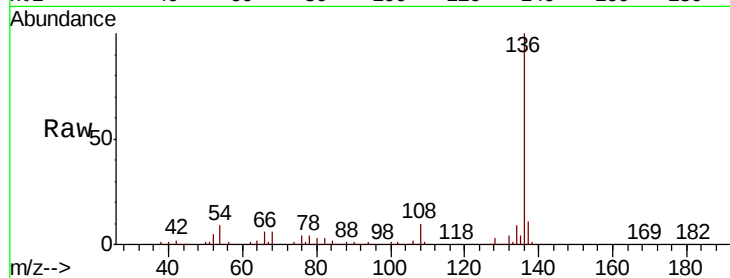
Ion Ratio Lower Upper

136 100

137 10.8 8.6 13.0

54 8.9 7.1 10.7

68 6.5 5.0 7.4

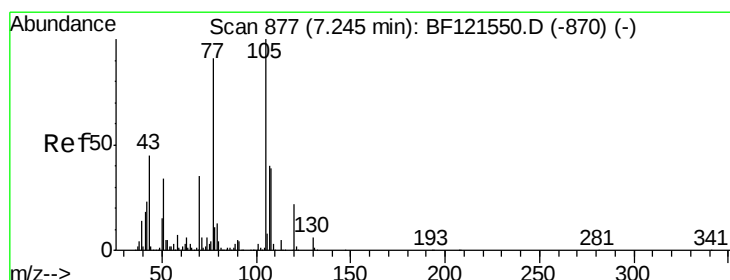
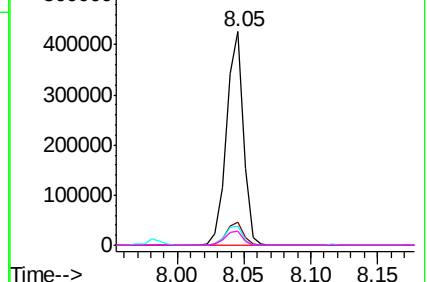
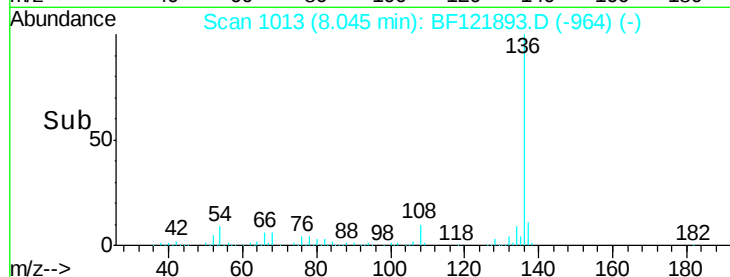


Abundance Ion 136.00 (135.70 to 136.70): E

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



#22

Acetophenone

Concen: 45.226 ng

RT: 7.17 min Scan# 865

Delta R.T. -0.01 min

Lab File: BF121893.D

Acq: 8 Oct 2020 17:17

Tgt Ion:105 Resp: 440470

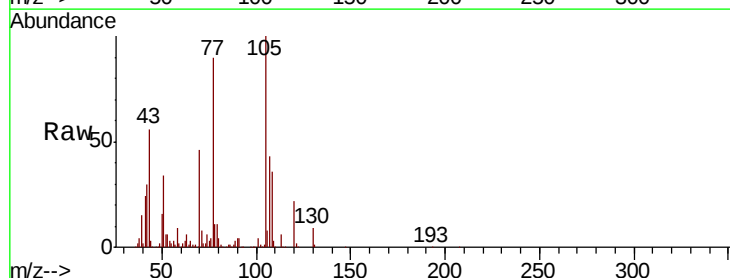
Ion Ratio Lower Upper

105 100

71 7.9 5.3 7.9#

51 34.4 33.2 49.8

120 21.8 17.4 26.0

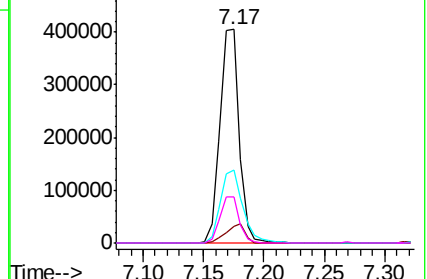
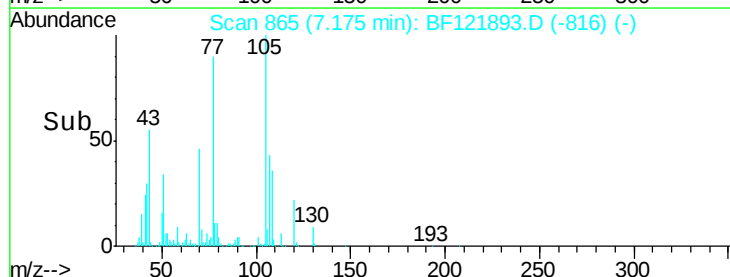


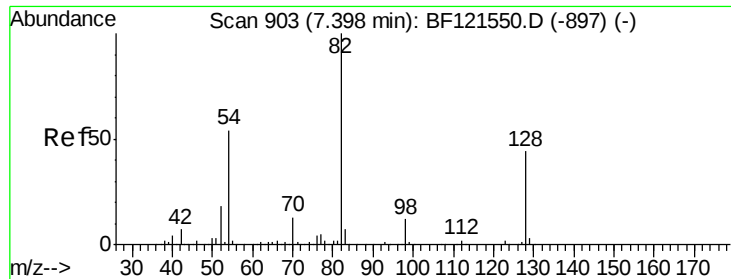
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF1

Ion 51.00 (50.70 to 51.70): BF1

Ion 120.00 (119.70 to 120.70): E

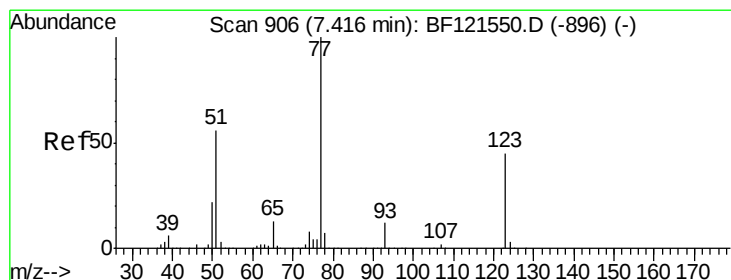
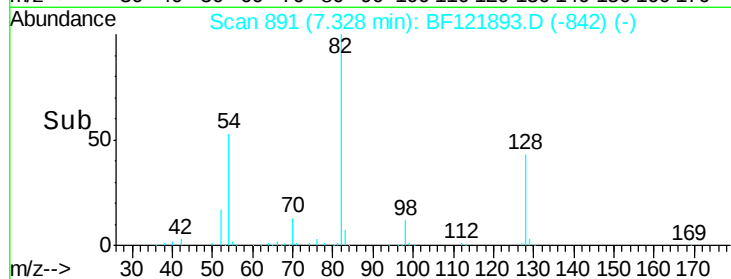
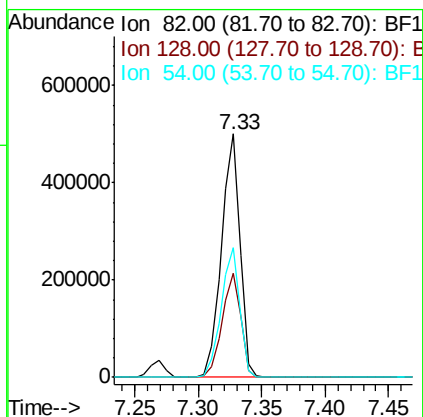
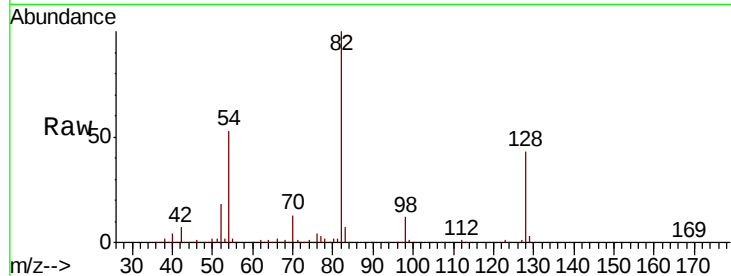




#23
Nitrobenzene-d5
Concen: 71.300 ng
RT: 7.33 min Scan# 891
Delta R.T. -0.01 min
Lab File: BF121893.D
Acq: 8 Oct 2020 17:17

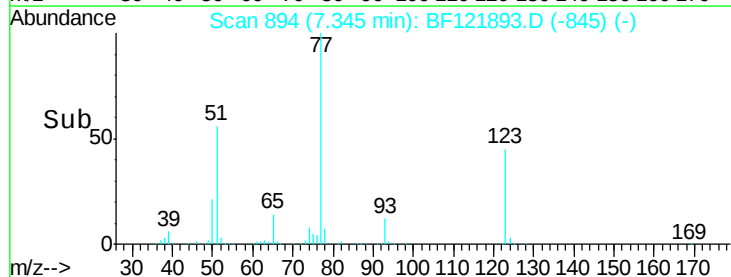
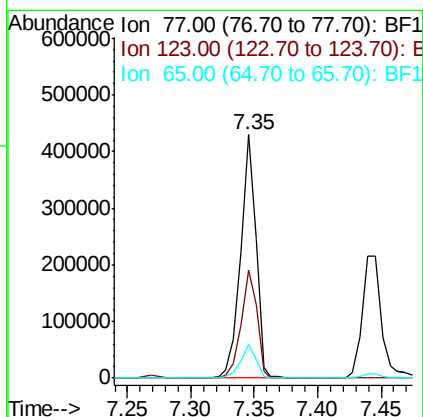
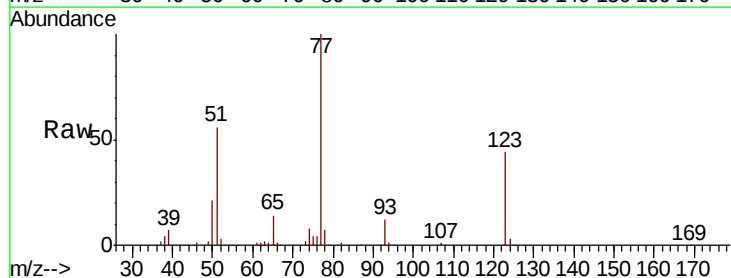
Instrument :
BNA_F
ClientSampleId :
OWLS-HEAD-BH-04-BMS

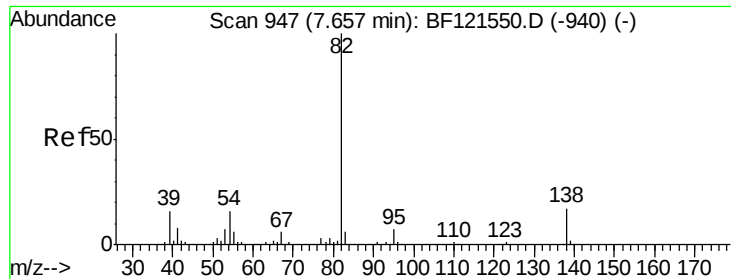
Tot Ion	82	Resp	509753
Ion Ratio	100	Lower	Upper
128	42.9	35.0	52.4
54	53.3	43.9	65.9



#24
Nitrobenzene
Concen: 46.027 ng
RT: 7.35 min Scan# 894
Delta R.T. -0.01 min
Lab File: BF121893.D
Acq: 8 Oct 2020 17:17

Tgt Ion	77	Resp	355903
Ion Ratio	100	Lower	Upper
123	44.2	35.6	53.4
65	13.7	11.2	16.8

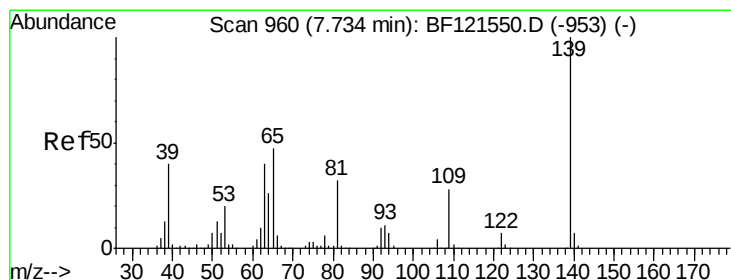
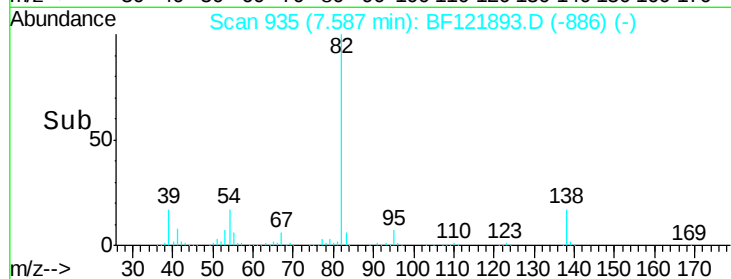
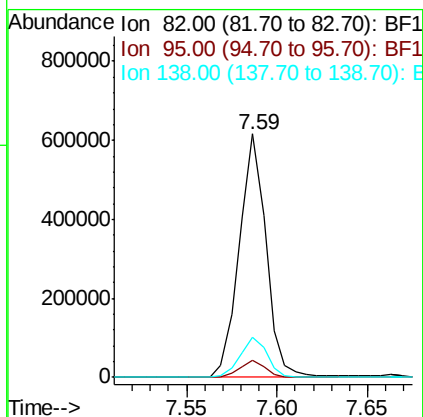
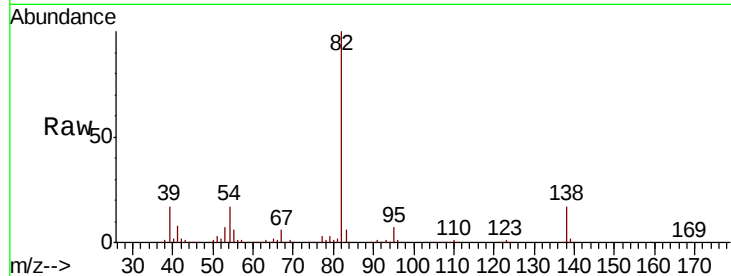




#25
Isophorone
Concen: 44.208 ng
RT: 7.59 min Scan# 935
Delta R.T. -0.01 min
Lab File: BF121893.D
Acq: 8 Oct 2020 17:17

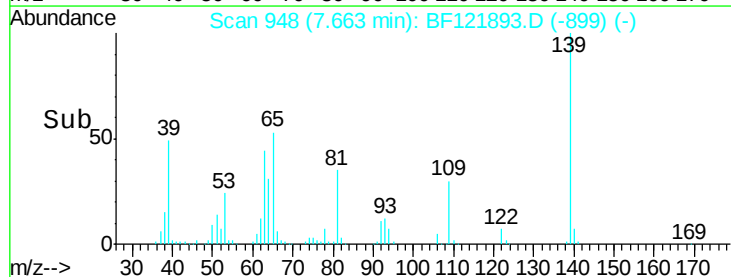
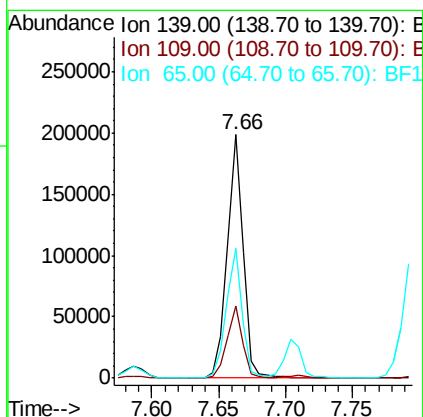
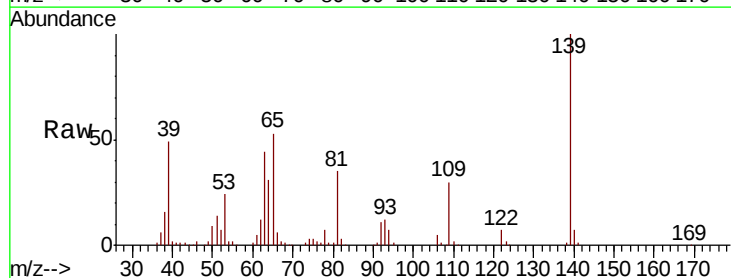
Instrument :
BNA_F
ClientSampleId :
OWLS-HEAD-BH-04-BMS

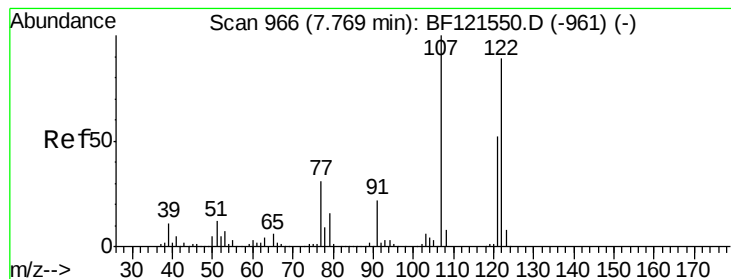
Tot Ion: 82 Resp: 636230
Ion Ratio Lower Upper
82 100
95 6.8 5.4 8.0
138 16.7 13.4 20.0



#26
2-Nitrophenol
Concen: 46.588 ng
RT: 7.66 min Scan# 948
Delta R.T. -0.01 min
Lab File: BF121893.D
Acq: 8 Oct 2020 17:17

Tgt Ion: 139 Resp: 169302
Ion Ratio Lower Upper
139 100
109 29.5 23.0 34.4
65 53.1 39.9 59.9





#27

2,4-Dimethylphenol

Concen: 44.679 ng

RT: 7.70 min Scan# 955

Delta R.T. -0.01 min

Lab File: BF121893.D

Acq: 8 Oct 2020 17:17

Instrument :

BNA_F

ClientSampleId :

OWLS-HEAD-BH-04-BMS

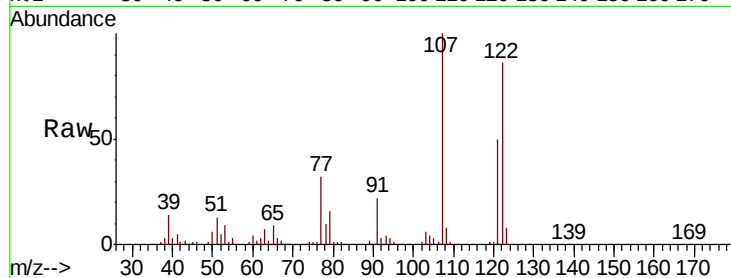
Tot Ion:122 Resp: 287025

Ion Ratio Lower Upper

122 100

107 115.9 90.8 136.2

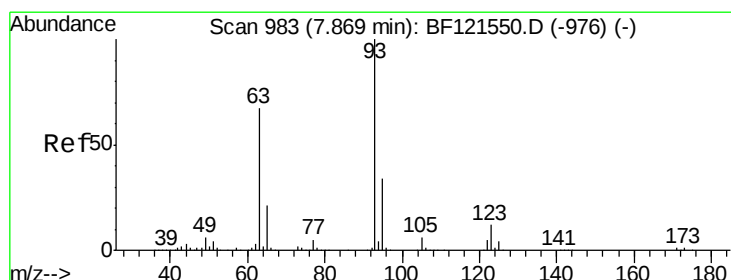
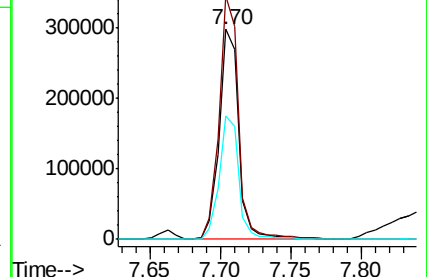
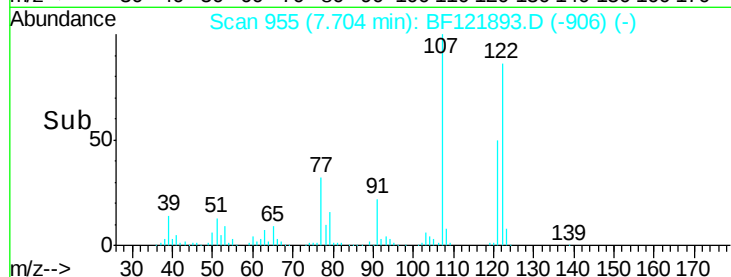
121 58.5 47.5 71.3



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#28

bis(2-Chloroethoxy)methane

Concen: 46.024 ng

RT: 7.79 min Scan# 970

Delta R.T. -0.02 min

Lab File: BF121893.D

Acq: 8 Oct 2020 17:17

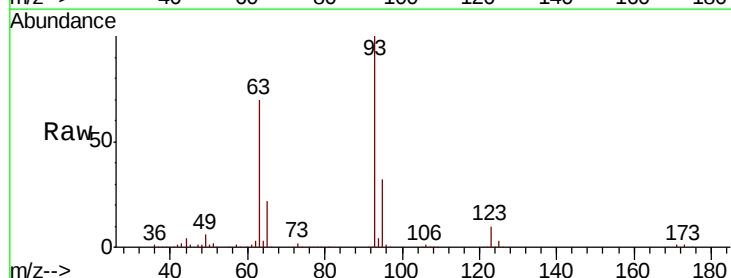
Tgt Ion: 93 Resp: 410053

Ion Ratio Lower Upper

93 100

95 32.2 26.2 39.4

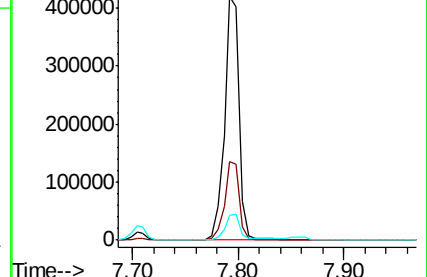
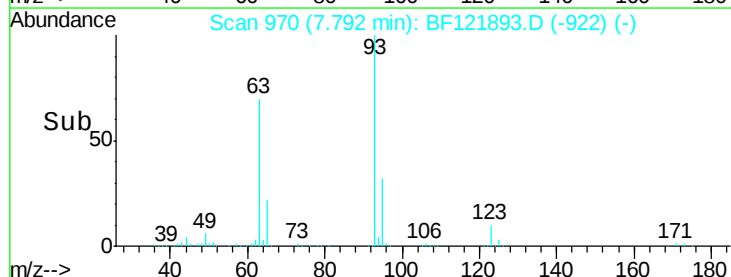
123 10.0 8.8 13.2

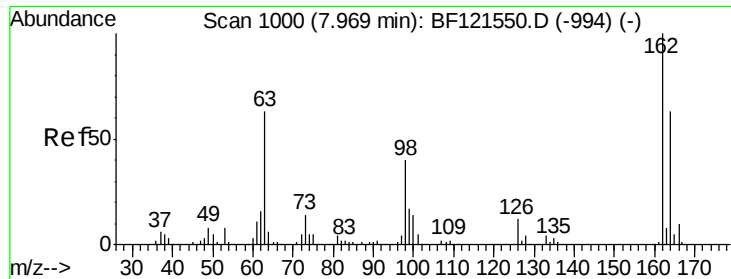


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 123.00 (122.70 to 123.70): E

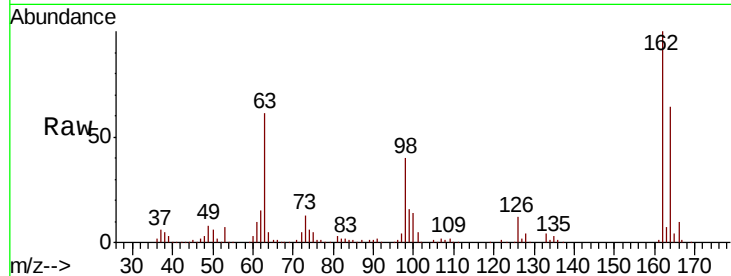




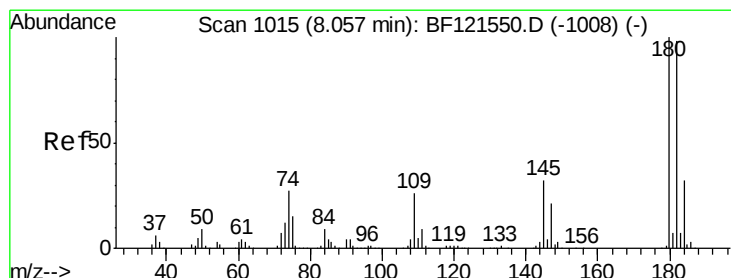
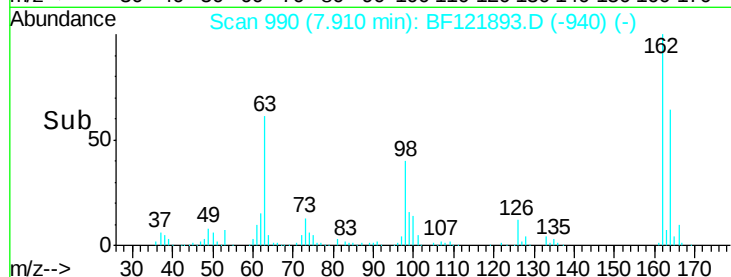
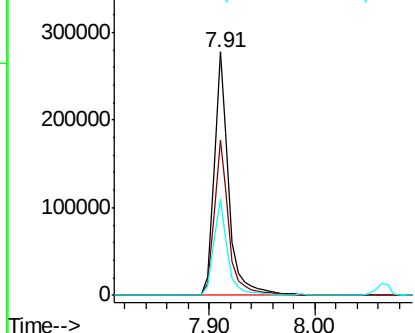
#29
 2,4-Dichlorophenol
 Concen: 46.560 ng
 RT: 7.91 min Scan# 990
 Delta R.T. -0.01 min
 Lab File: BF121893.D
 Acq: 8 Oct 2020 17:17

Instrument :
 BNA_F
 ClientSampleId :
 OWLS-HEAD-BH-04-BMS

Tot Ion	Ratio	Lower	Upper
162	100		
164	63.6	42.5	82.5
98	39.7	20.1	60.1

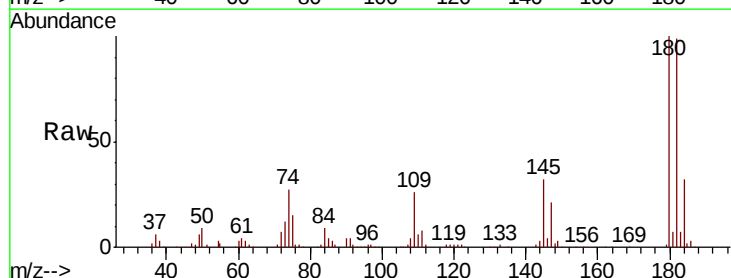


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 164.00 (163.70 to 164.70): E
 Ion 98.00 (97.70 to 98.70): BF1

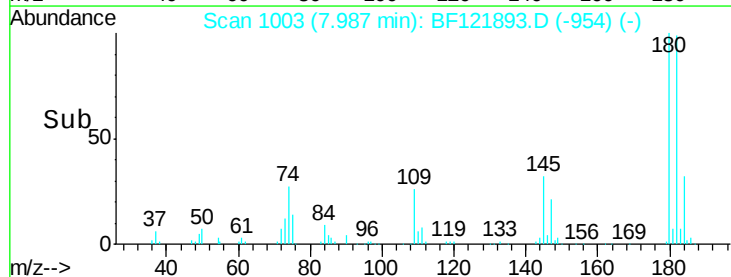
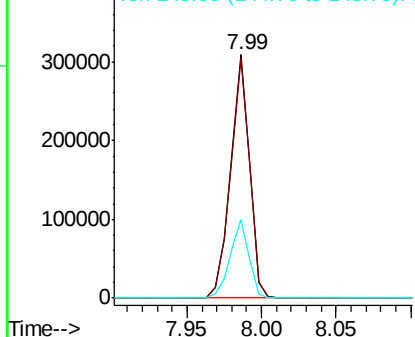


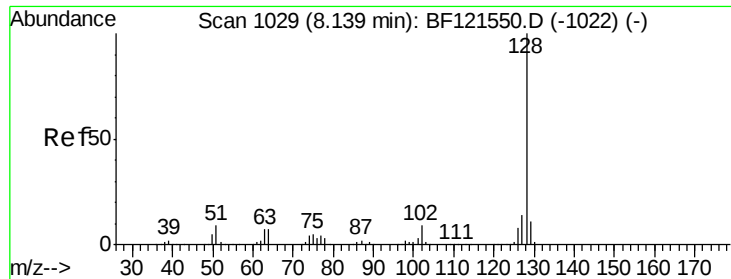
#30
 1,2,4-Trichlorobenzene
 Concen: 45.569 ng
 RT: 7.99 min Scan# 1003
 Delta R.T. -0.01 min
 Lab File: BF121893.D
 Acq: 8 Oct 2020 17:17

Tgt Ion	Ratio	Lower	Upper
180	100		
182	98.6	79.4	119.2
145	32.1	25.5	38.3



Abundance Ion 180.00 (179.70 to 180.70): E
 Ion 182.00 (181.70 to 182.70): E
 Ion 145.00 (144.70 to 145.70): E

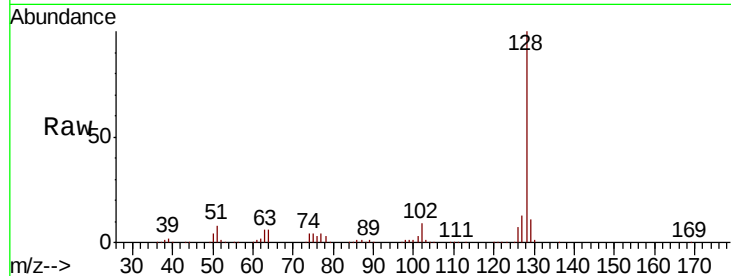




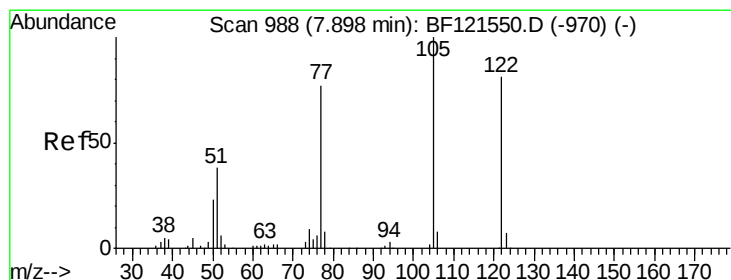
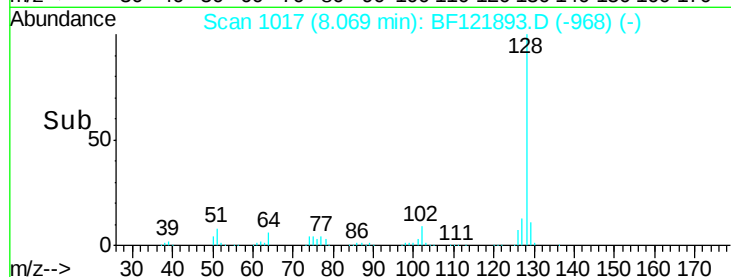
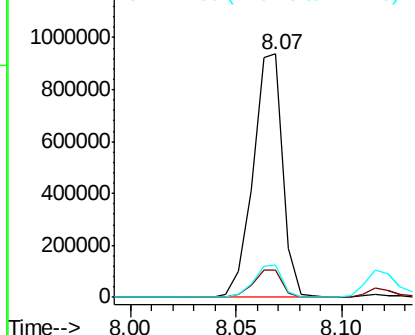
#31
Naphthalene
Concen: 45.111 ng
RT: 8.07 min Scan# 1017
Delta R.T. -0.01 min
Lab File: BF121893.D
Acq: 8 Oct 2020 17:17

Instrument :
BNA_F
ClientSampleId :
OWLS-HEAD-BH-04-BMS

Tot Ion:128 Resp: 914101
Ion Ratio Lower Upper
128 100
129 11.0 8.7 13.1
127 13.4 10.8 16.2

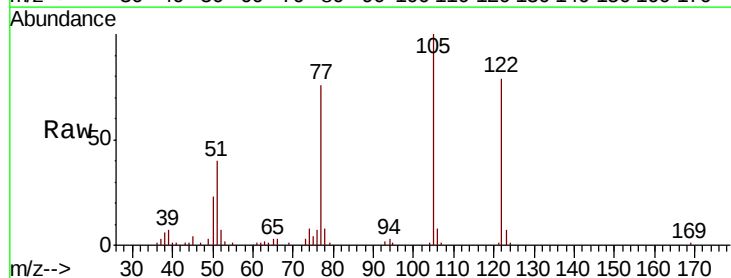


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

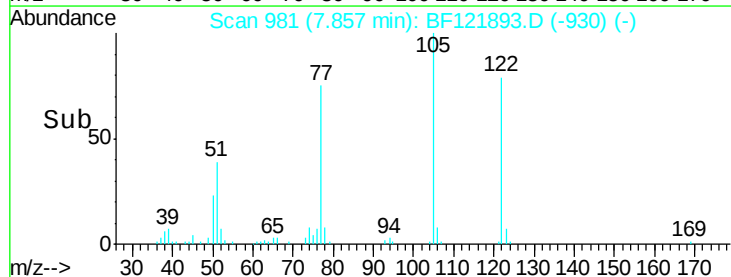
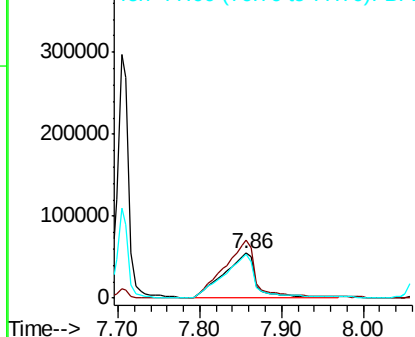


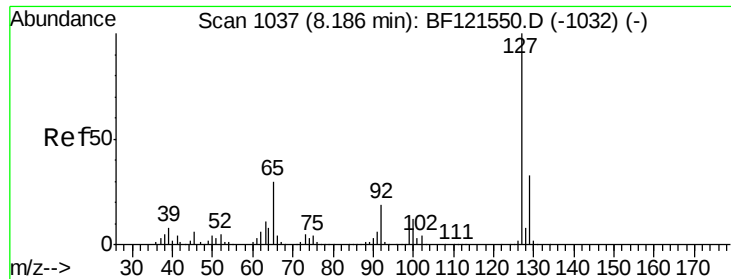
#32
Benzoic acid
Concen: 33.427 ng
RT: 7.86 min Scan# 981
Delta R.T. 0.00 min
Lab File: BF121893.D
Acq: 8 Oct 2020 17:17

Tgt Ion:122 Resp: 148421
Ion Ratio Lower Upper
122 100
105 127.0 103.3 143.3
77 96.3 73.9 113.9



Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BF1

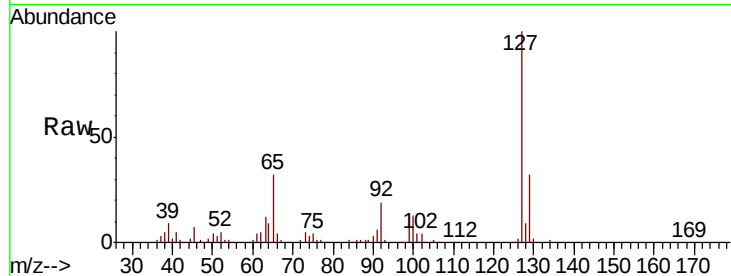




#33
4-Chloroaniline
Concen: 16.431 ng
RT: 8.12 min Scan# 1025
Delta R.T. -0.01 min
Lab File: BF121893.D
Acq: 8 Oct 2020 17:17

Instrument :
BNA_F
ClientSampleId :
OWLS-HEAD-BH-04-BMS

Tot Ion:	127	Resp:	144325
Ion	Ratio	Lower	Upper
127	100		
129	32.3	26.3	39.5
65	32.1	26.2	39.2
92	19.1	15.9	23.9



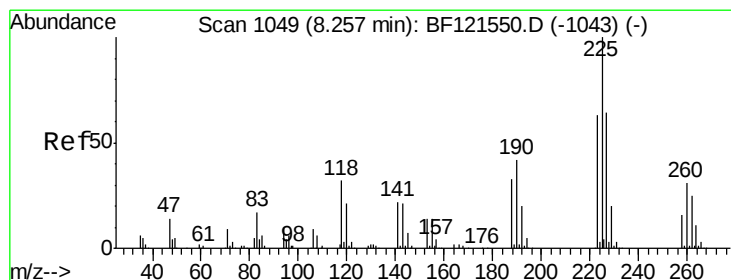
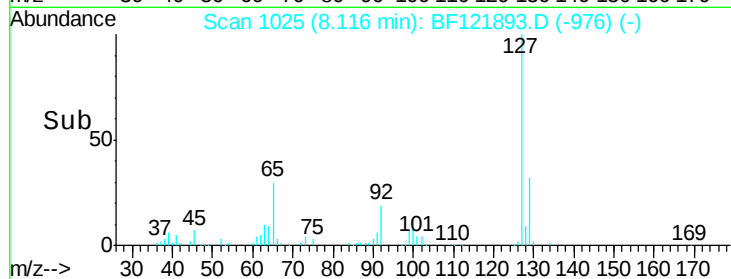
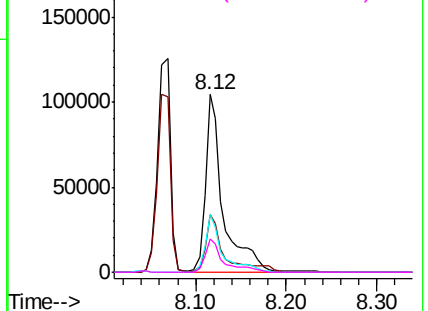
Abundance

Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

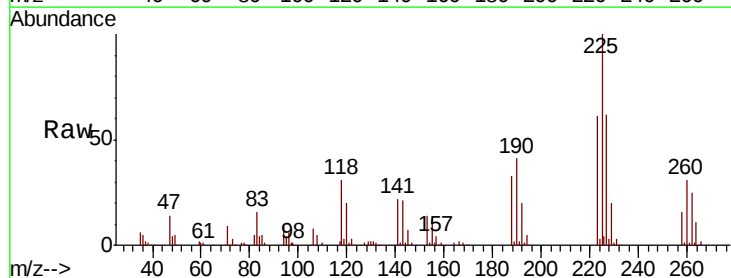
Ion 65.00 (64.70 to 65.70): BF1

Ion 92.00 (91.70 to 92.70): BF1



#34
Hexachlorobutadiene
Concen: 46.901 ng
RT: 8.18 min Scan# 1036
Delta R.T. -0.01 min
Lab File: BF121893.D
Acq: 8 Oct 2020 17:17

Tgt Ion:	225	Resp:	169647
Ion	Ratio	Lower	Upper
225	100		
223	61.4	51.1	76.7
227	62.3	51.0	76.6

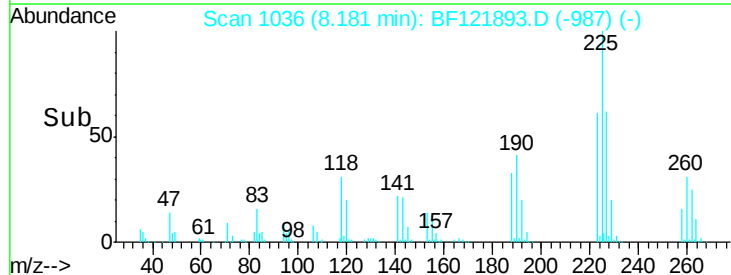
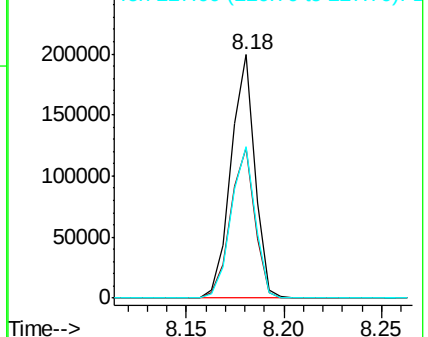


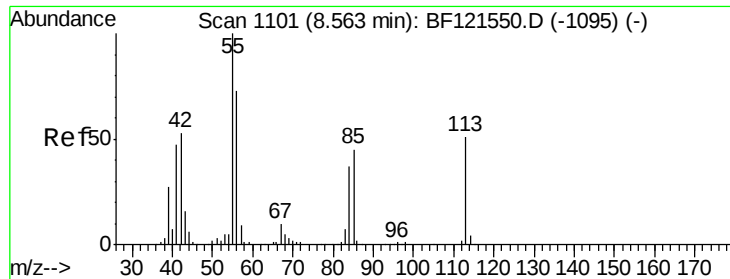
Abundance

Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#35

Caprolactam

Concen: 27.765 ng

RT: 8.50 min Scan# 1090

Delta R.T. -0.01 min

Lab File: BF121893.D

Acq: 8 Oct 2020 17:17

Instrument :

BNA_F

ClientSampleId :

OWLS-HEAD-BH-04-BMS

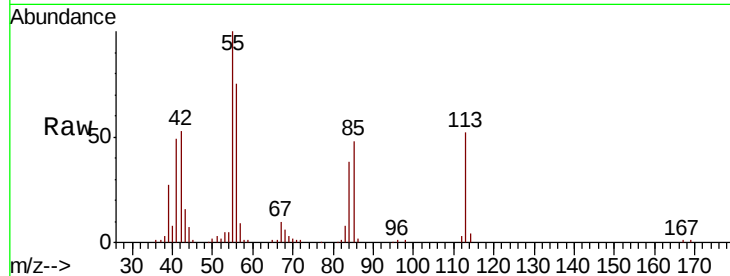
Tot Ion:113 Resp: 54100

Ion Ratio Lower Upper

113 100

55 192.0 167.5 207.5

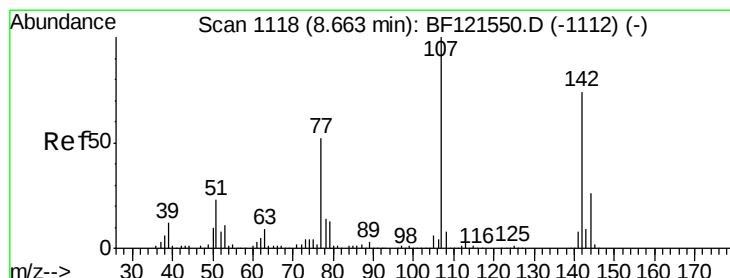
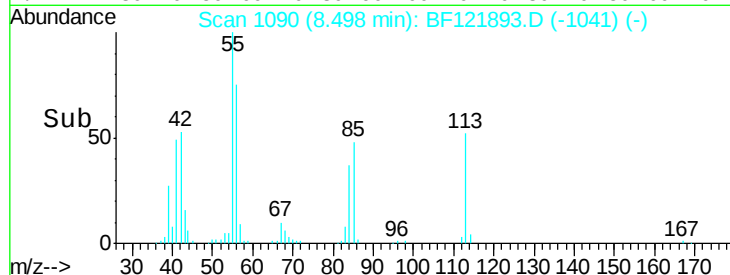
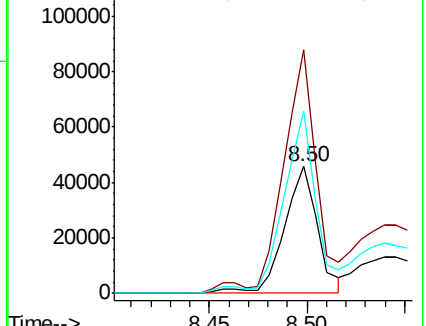
56 143.4 121.2 161.2



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF1

Ion 56.00 (55.70 to 56.70): BF1



#36

4-Chloro-3-methylphenol

Concen: 46.351 ng

RT: 8.62 min Scan# 1110

Delta R.T. 0.00 min

Lab File: BF121893.D

Acq: 8 Oct 2020 17:17

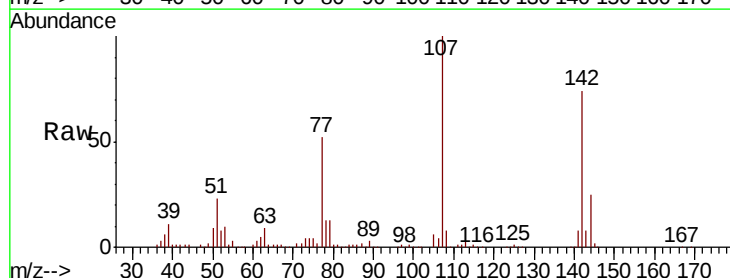
Tgt Ion:107 Resp: 292157

Ion Ratio Lower Upper

107 100

144 25.1 20.1 30.1

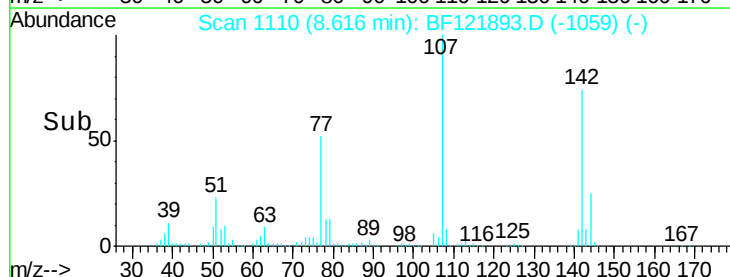
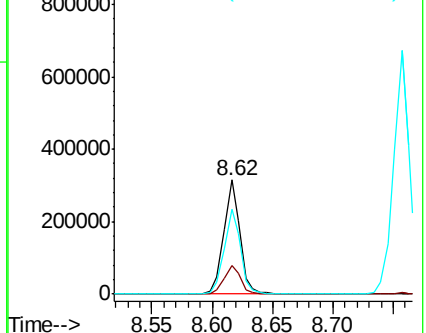
142 74.2 59.3 88.9

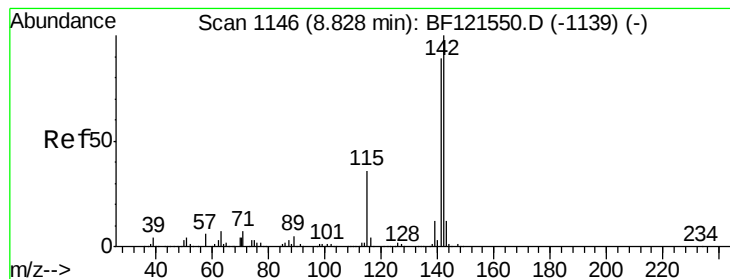


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E





#37

2-Methylnaphthalene

Concen: 45.683 ng

RT: 8.76 min Scan# 1134

Delta R.T. -0.01 min

Lab File: BF121893.D

Acq: 8 Oct 2020 17:17

Instrument :

BNA_F

ClientSampleId :

OWLS-HEAD-BH-04-BMS

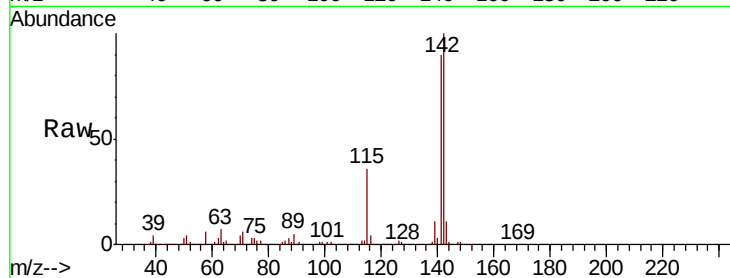
Tot Ion:142 Resp: 606650

Ion Ratio Lower Upper

142 100

141 89.5 70.2 105.4

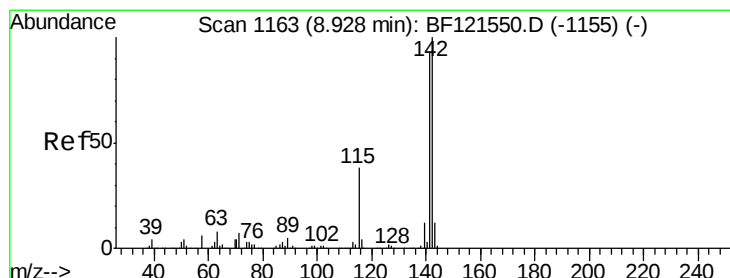
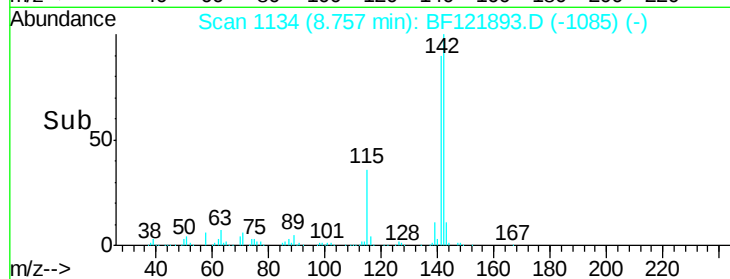
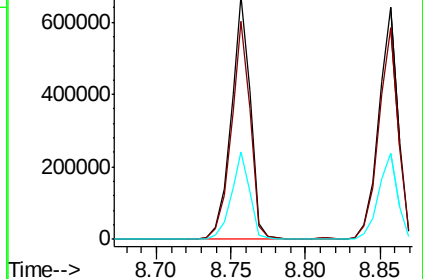
115 35.8 28.6 43.0



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38

1-Methylnaphthalene

Concen: 45.051 ng

RT: 8.86 min Scan# 1151

Delta R.T. -0.01 min

Lab File: BF121893.D

Acq: 8 Oct 2020 17:17

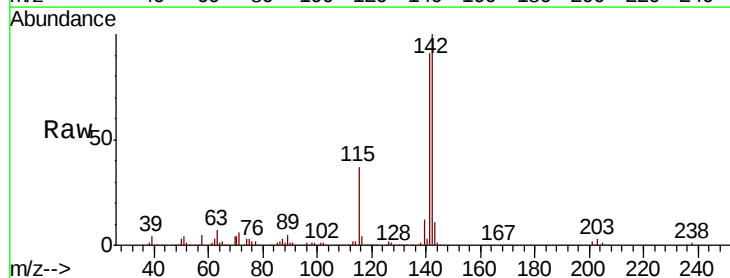
Tgt Ion:142 Resp: 556782

Ion Ratio Lower Upper

142 100

141 90.9 74.5 111.7

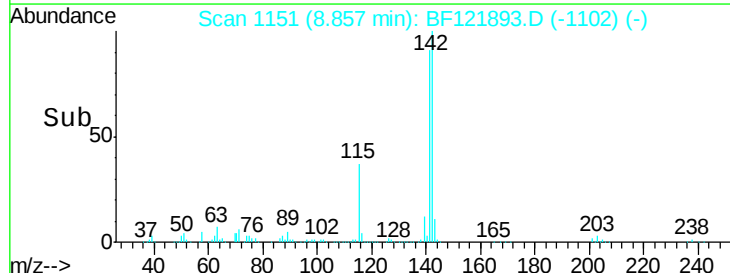
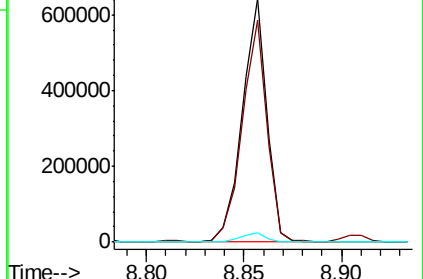
116 3.8 3.2 4.8

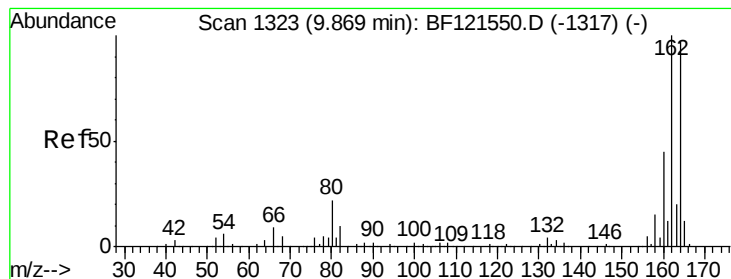


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.80 min Scan# 1311

Delta R.T. -0.01 min

Lab File: BF121893.D

Acq: 8 Oct 2020 17:17

Instrument :

BNA_F

ClientSampleId :

OWLS-HEAD-BH-04-BMS

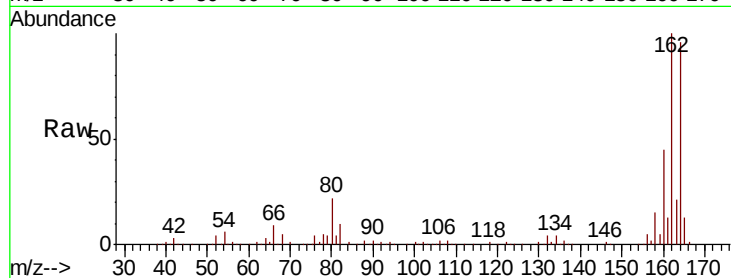
Tot Ion:164 Resp: 197680

Ion Ratio Lower Upper

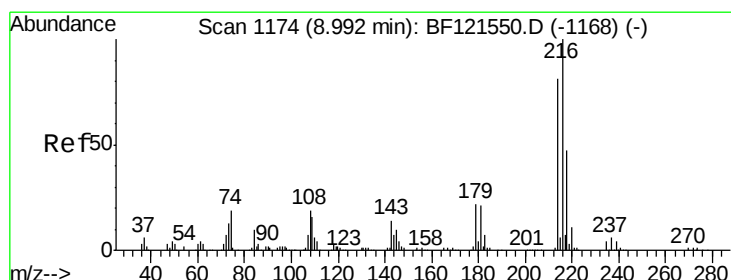
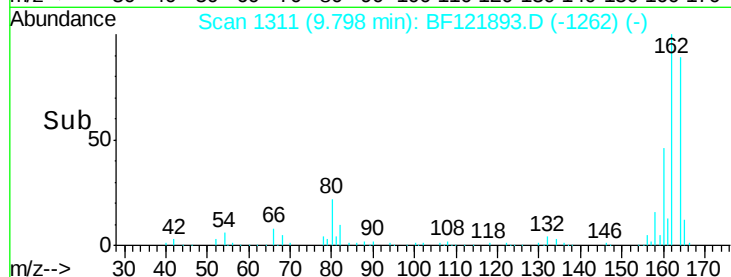
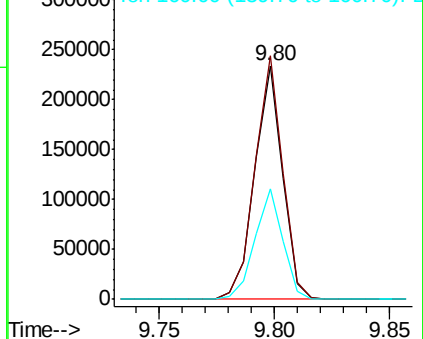
164 100

162 104.1 83.2 124.8

160 47.3 37.5 56.3



Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E



#40

1,2,4,5-Tetrachlorobenzene

Concen: 46.410 ng

RT: 8.93 min Scan# 1163

Delta R.T. -0.01 min

Lab File: BF121893.D

Acq: 8 Oct 2020 17:17

Tgt Ion:216 Resp: 286574

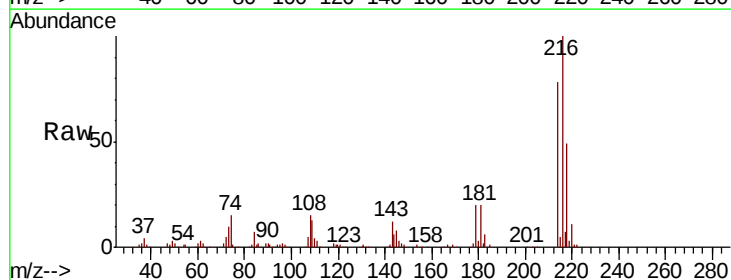
Ion Ratio Lower Upper

216 100

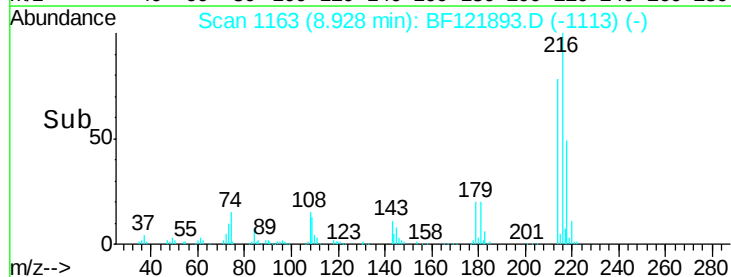
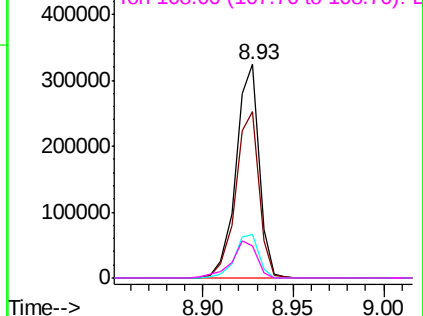
214 79.0 63.4 95.2

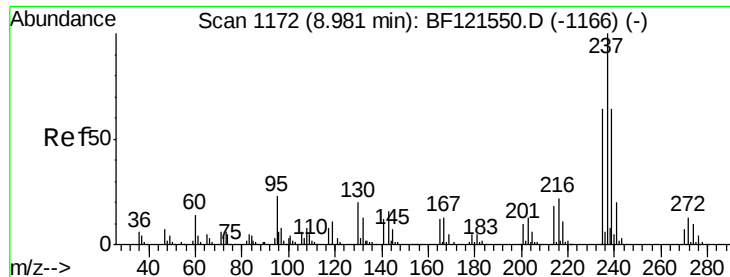
179 21.1 17.0 25.6

108 19.2 15.5 23.3



Abundance Ion 216.00 (215.70 to 216.70): E
Ion 214.00 (213.70 to 214.70): E
Ion 179.00 (178.70 to 179.70): E
Ion 108.00 (107.70 to 108.70): E





#41

Hexachlorocyclopentadiene

Concen: 35.976 ng

RT: 8.91 min Scan# 1160

Delta R.T. -0.01 min

Lab File: BF121893.D

Acq: 8 Oct 2020 17:17

Instrument :

BNA_F

ClientSampleId :

OWLS-HEAD-BH-04-BMS

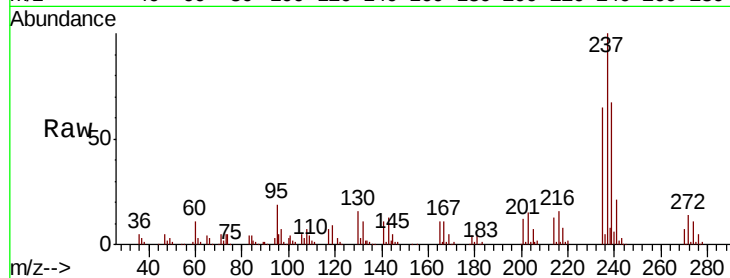
Tot Ion:237 Resp: 126861

Ion Ratio Lower Upper

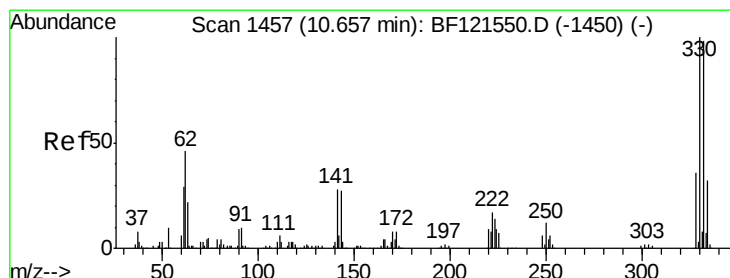
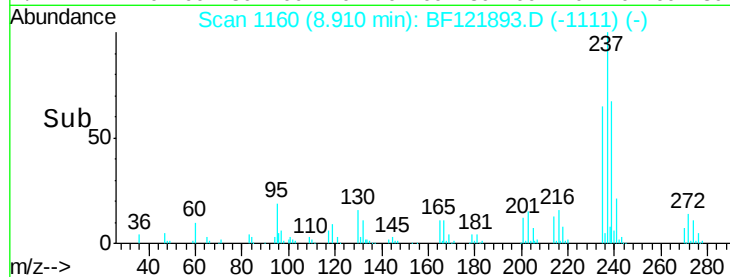
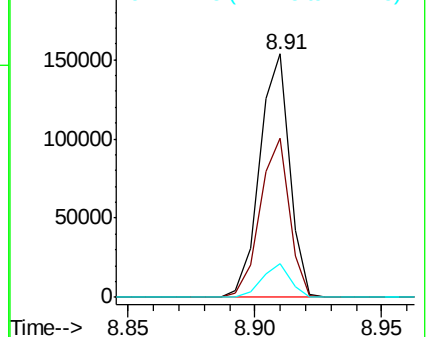
237 100

235 65.4 41.8 81.8

272 14.0 0.0 33.5



Abundance Ion 236.80 (236.50 to 237.50): E
Ion 234.90 (234.60 to 235.60): E
Ion 271.75 (271.45 to 272.45): E



#42

2,4,6-Tribromophenol

Concen: 78.669 ng

RT: 10.59 min Scan# 1446

Delta R.T. -0.01 min

Lab File: BF121893.D

Acq: 8 Oct 2020 17:17

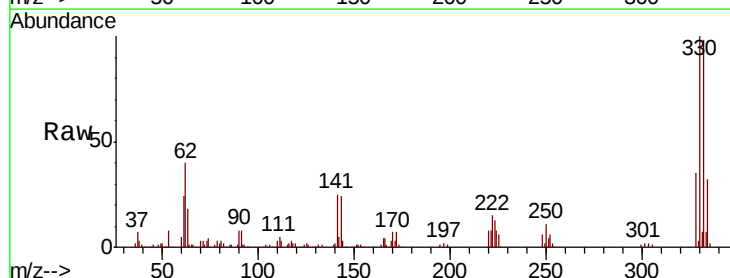
Tgt Ion:330 Resp: 193282

Ion Ratio Lower Upper

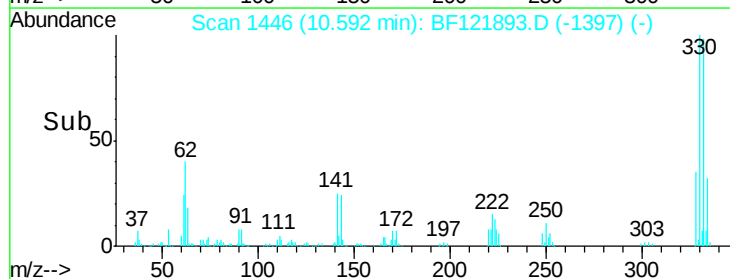
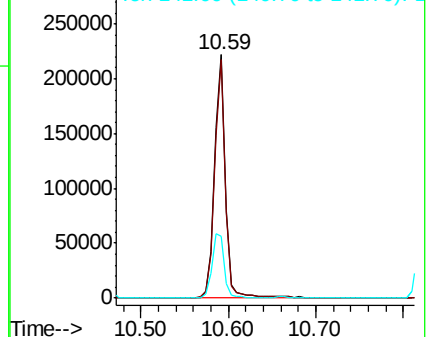
330 100

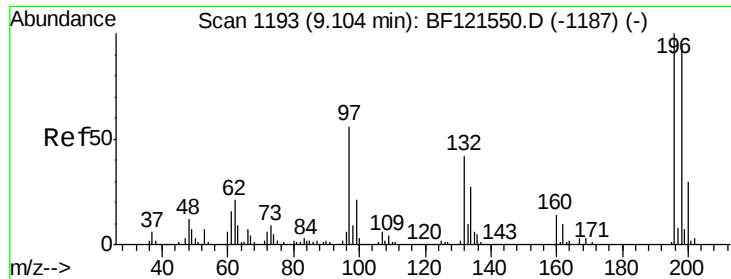
332 96.7 77.3 115.9

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

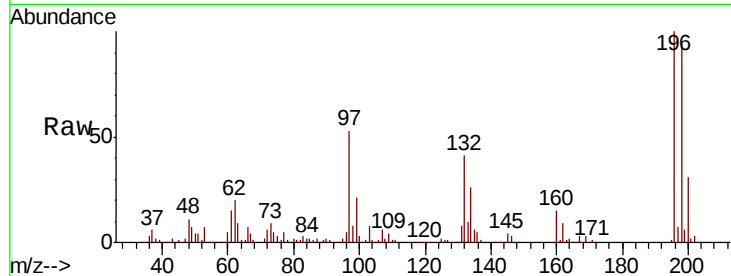




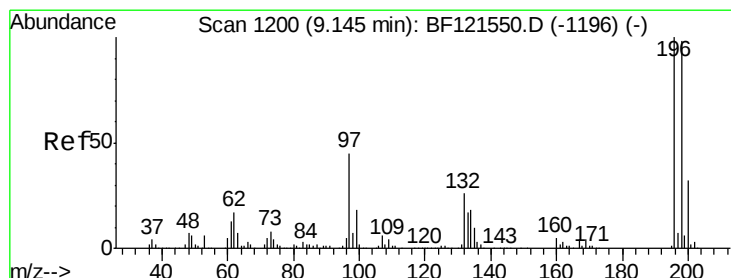
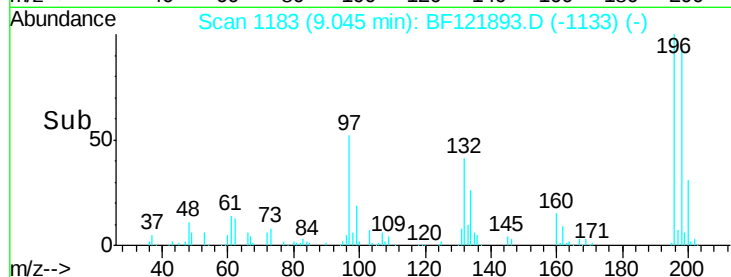
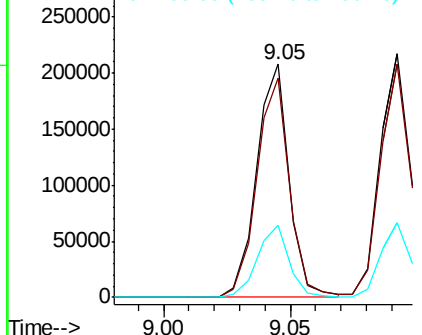
#43
 2,4,6-Trichlorophenol
 Concen: 44.218 ng
 RT: 9.05 min Scan# 1183
 Delta R.T. -0.01 min
 Lab File: BF121893.D
 Acq: 8 Oct 2020 17:17

Instrument :
 BNA_F
 ClientSampleId :
 OWLS-HEAD-BH-04-BMS

Tot Ion:196	Resp:	186108
Ion Ratio	Lower	Upper
196	100	
198	94.1	75.8 113.6
200	30.8	24.6 36.8

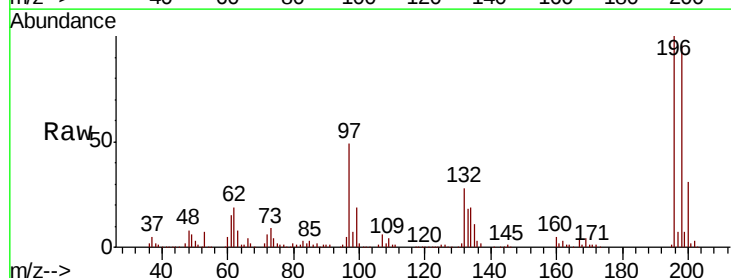


Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 200.00 (199.70 to 200.70): E

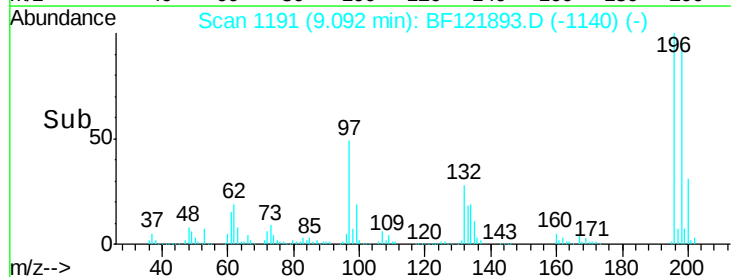
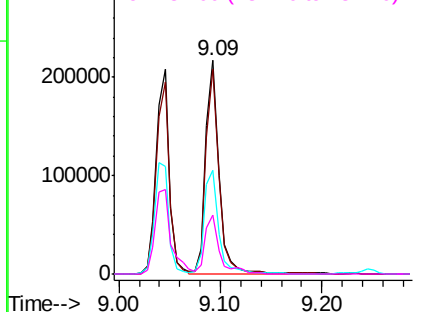


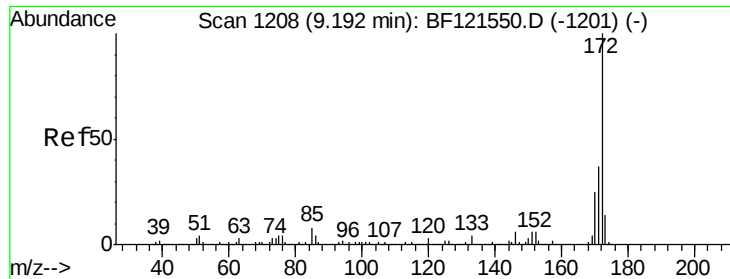
#44
 2,4,5-Trichlorophenol
 Concen: 44.778 ng
 RT: 9.09 min Scan# 1191
 Delta R.T. 0.00 min
 Lab File: BF121893.D
 Acq: 8 Oct 2020 17:17

Tgt Ion:196	Resp:	199240
Ion Ratio	Lower	Upper
196	100	
198	96.1	76.1 114.1
97	48.5	41.0 61.6
132	27.7	22.4 33.6



Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 97.00 (96.70 to 97.70): BF1
 Ion 132.00 (131.70 to 132.70): E

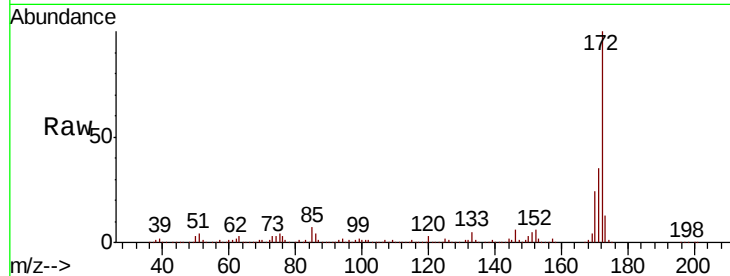




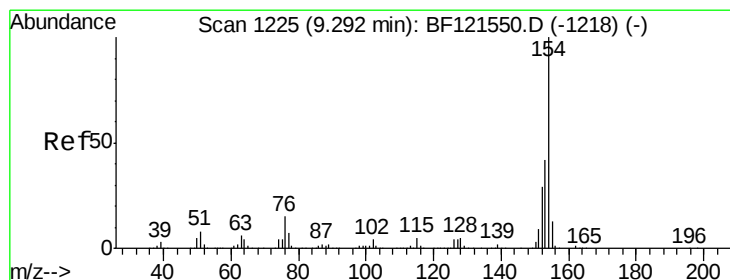
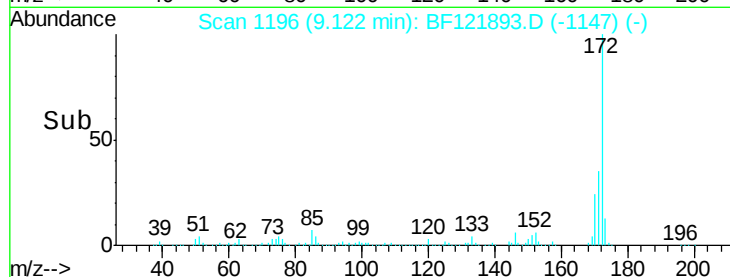
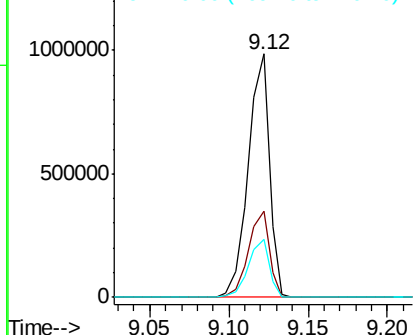
#45
2-Fluorobiphenyl
Concen: 70.008 ng
RT: 9.12 min Scan# 1196
Delta R.T. -0.01 min
Lab File: BF121893.D
Acq: 8 Oct 2020 17:17

Instrument :
BNA_F
ClientSampleId :
OWLS-HEAD-BH-04-BMS

Tot Ion:172 Resp: 913762
Ion Ratio Lower Upper
172 100
171 35.4 29.1 43.7
170 23.8 19.8 29.6

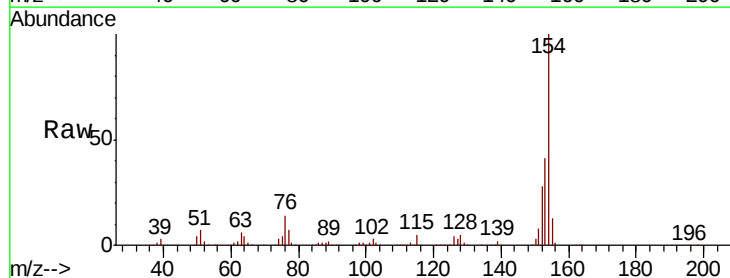


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

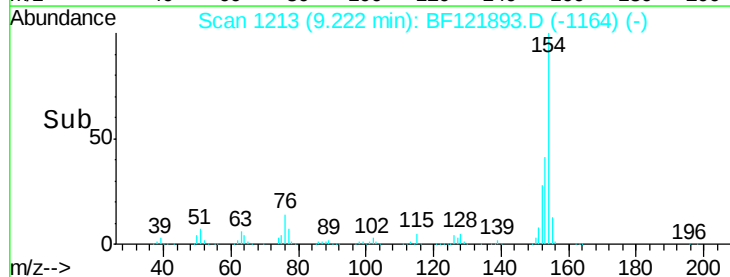
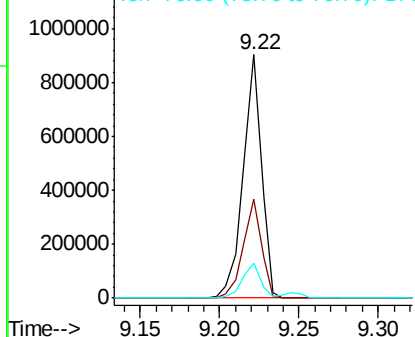


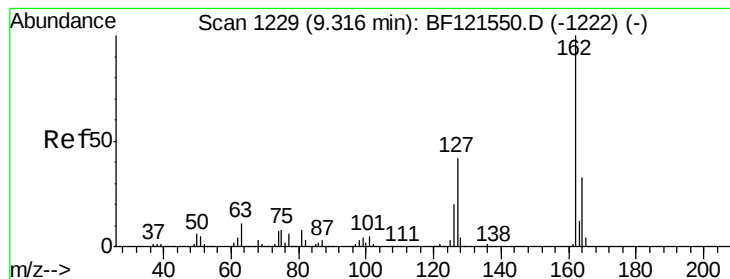
#46
1,1'-Biphenyl
Concen: 45.773 ng
RT: 9.22 min Scan# 1213
Delta R.T. -0.01 min
Lab File: BF121893.D
Acq: 8 Oct 2020 17:17

Tgt Ion:154 Resp: 724377
Ion Ratio Lower Upper
154 100
153 40.8 21.3 61.3
76 14.3 0.0 34.7



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): BF1





#47

2-Chloronaphthalene

Concen: 45.491 ng

RT: 9.25 min Scan# 1217

Delta R.T. -0.01 min

Lab File: BF121893.D

Acq: 8 Oct 2020 17:17

Instrument :

BNA_F

ClientSampleId :

OWLS-HEAD-BH-04-BMS

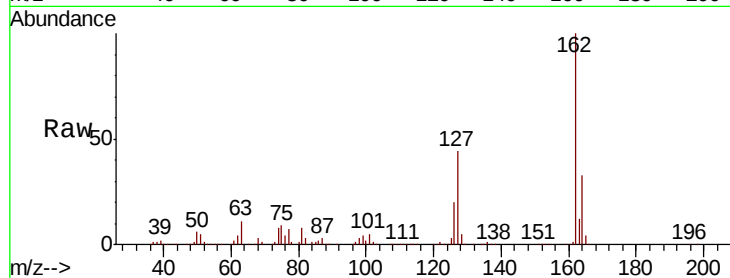
Tot Ion:162 Resp: 567311

Ion Ratio Lower Upper

162 100

127 43.5 34.4 51.6

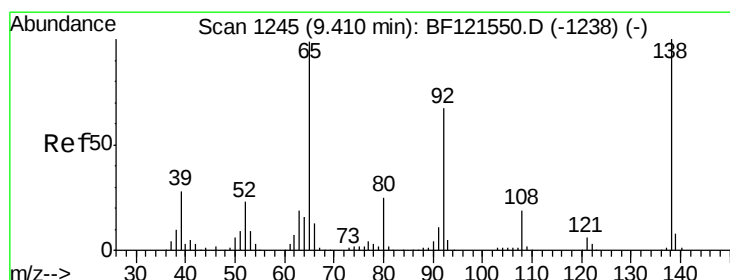
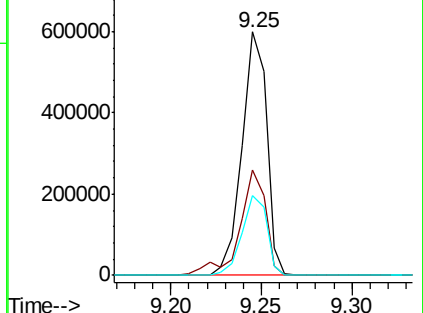
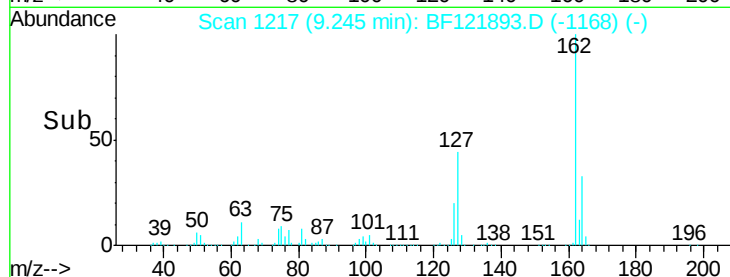
164 32.9 26.3 39.5



Abundance Ion 162.00 (161.70 to 162.70): E

Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E



#48

2-Nitroaniline

Concen: 49.571 ng

RT: 9.35 min Scan# 1235

Delta R.T. -0.01 min

Lab File: BF121893.D

Acq: 8 Oct 2020 17:17

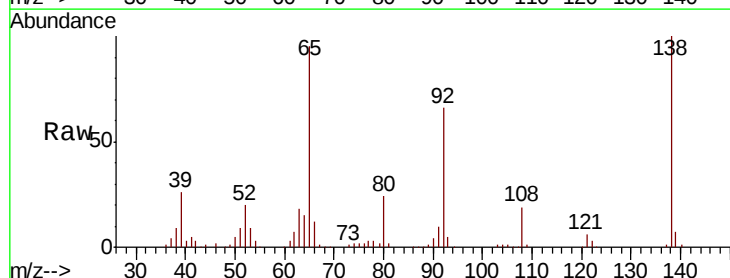
Tgt Ion: 65 Resp: 192106

Ion Ratio Lower Upper

65 100

92 69.3 55.1 82.7

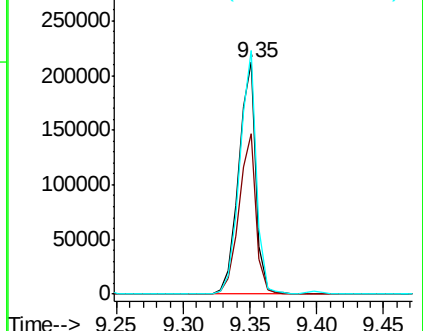
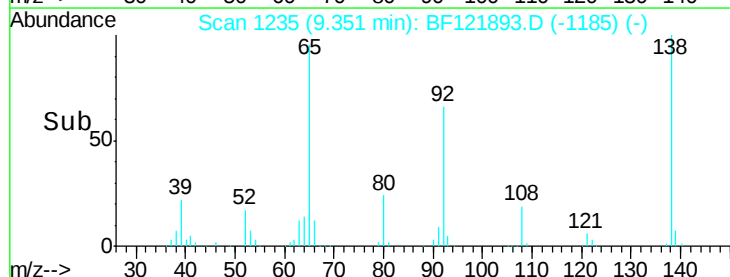
138 105.1 80.5 120.7

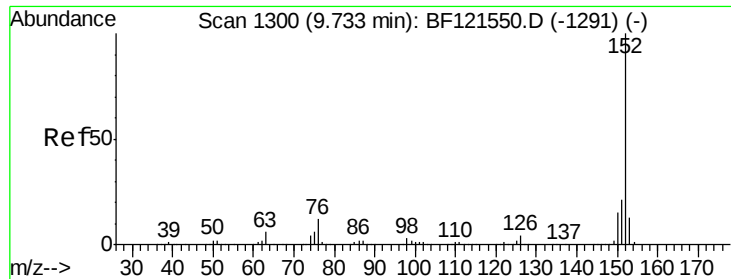


Abundance Ion 65.00 (64.70 to 65.70): BF1

Ion 92.00 (91.70 to 92.70): BF1

Ion 138.00 (137.70 to 138.70): E





#49

Acenaphthylene

Concen: 45.672 ng

RT: 9.66 min Scan# 1288

Delta R.T. -0.01 min

Lab File: BF121893.D

Acq: 8 Oct 2020 17:17

Instrument :

BNA_F

ClientSampleId :

OWLS-HEAD-BH-04-BMS

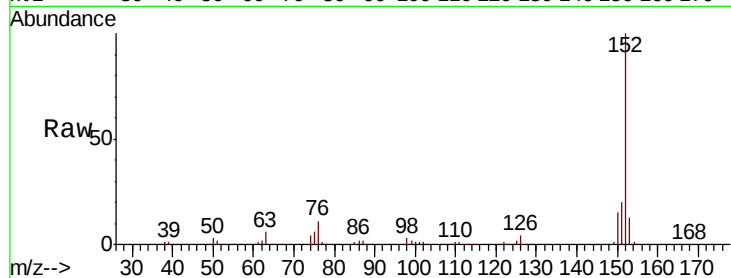
Tot Ion:152 Resp: 875137

Ion Ratio Lower Upper

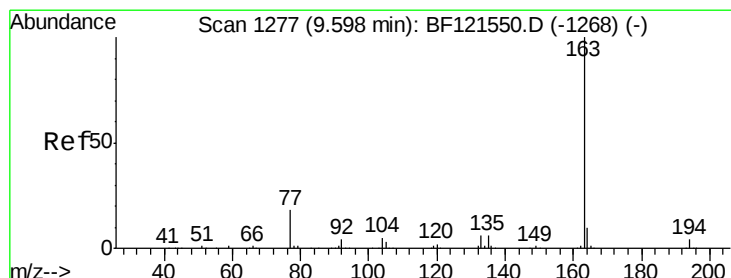
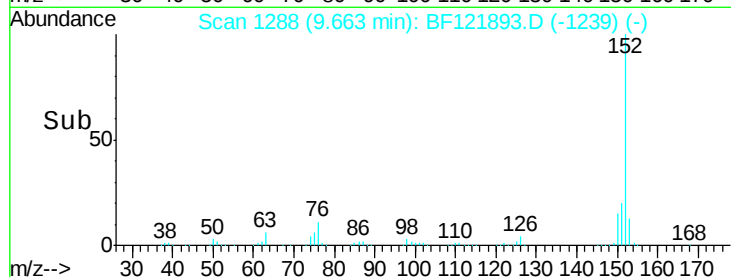
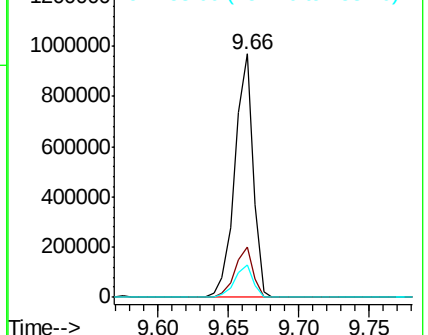
152 100

151 20.5 16.4 24.6

153 13.2 10.6 15.8



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



#50

Dimethylphthalate

Concen: 55.003 ng

RT: 9.53 min Scan# 1265

Delta R.T. -0.01 min

Lab File: BF121893.D

Acq: 8 Oct 2020 17:17

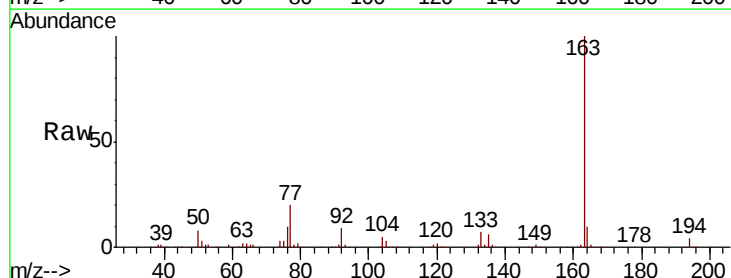
Tgt Ion:163 Resp: 788056

Ion Ratio Lower Upper

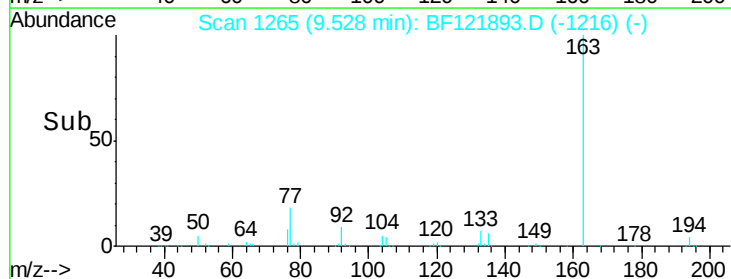
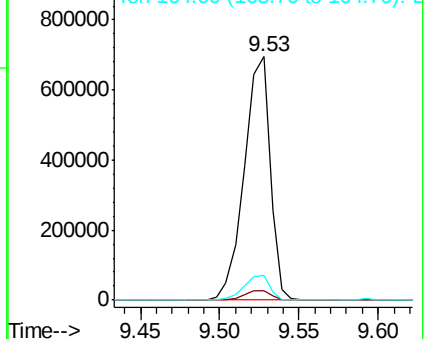
163 100

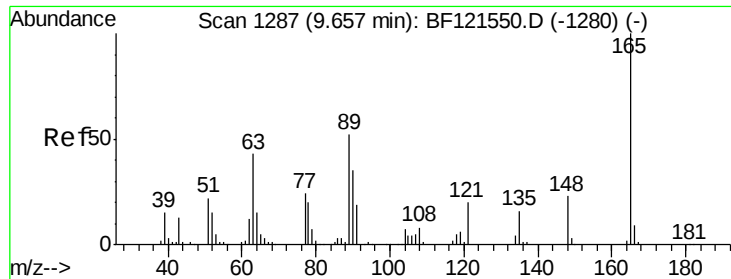
194 4.1 3.3 4.9

164 9.9 8.2 12.4



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

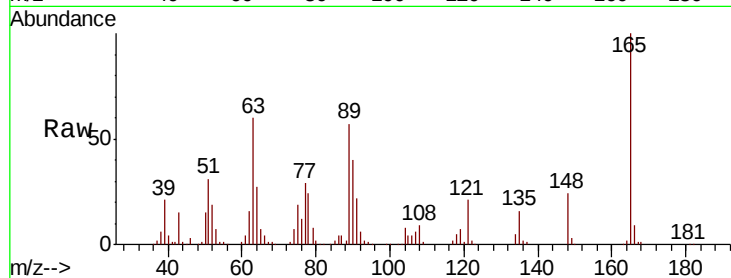




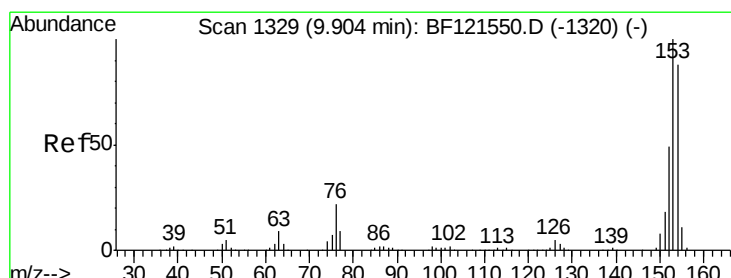
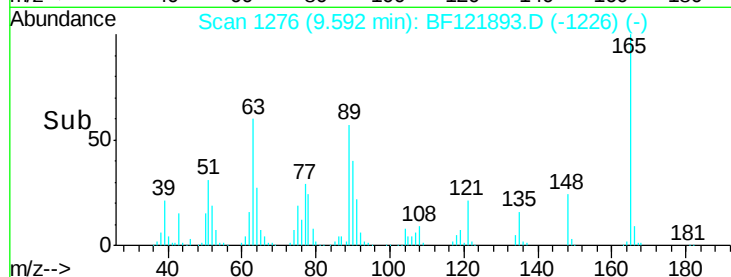
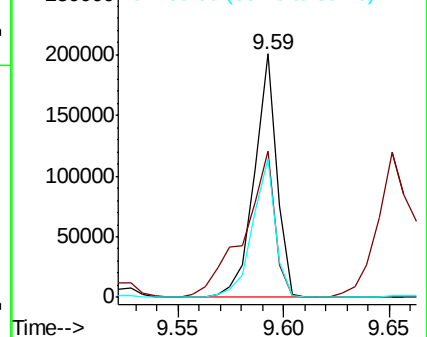
#51
 2,6-Dinitrotoluene
 Concen: 48.918 ng
 RT: 9.59 min Scan# 1276
 Delta R.T. -0.01 min
 Lab File: BF121893.D
 Acq: 8 Oct 2020 17:17

Instrument :
 BNA_F
 ClientSampleId :
 OWLS-HEAD-BH-04-BMS

Tot Ion:165 Resp: 149263
 Ion Ratio Lower Upper
 165 100
 63 60.2 51.8 77.6
 89 57.1 49.0 73.6

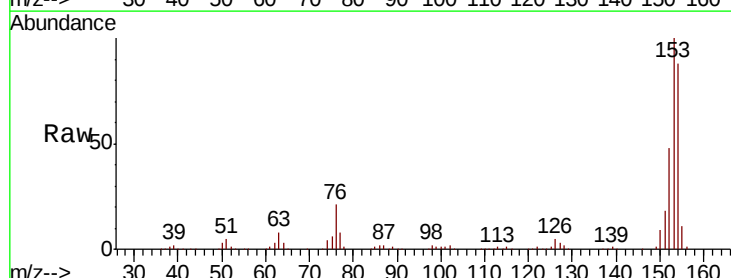


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

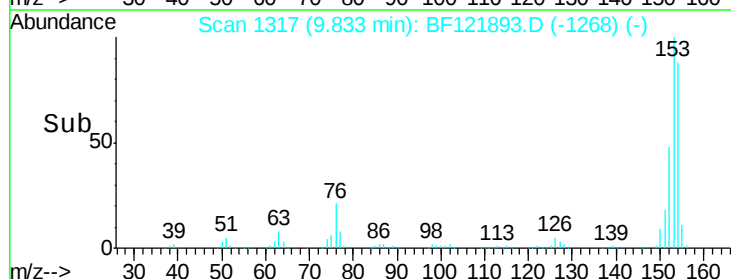
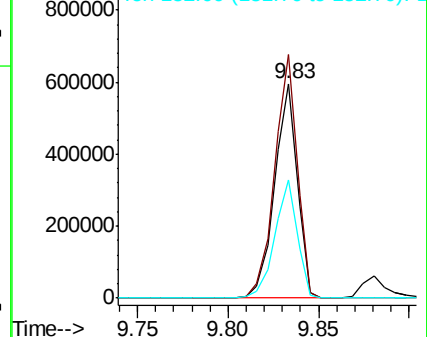


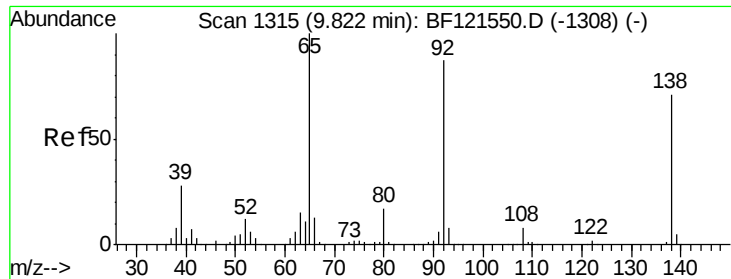
#52
 Acenaphthene
 Concen: 42.846 ng
 RT: 9.83 min Scan# 1317
 Delta R.T. -0.01 min
 Lab File: BF121893.D
 Acq: 8 Oct 2020 17:17

Tgt Ion:154 Resp: 518538
 Ion Ratio Lower Upper
 154 100
 153 113.5 89.8 134.8
 152 55.0 43.2 64.8



Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 152.00 (151.70 to 152.70): E

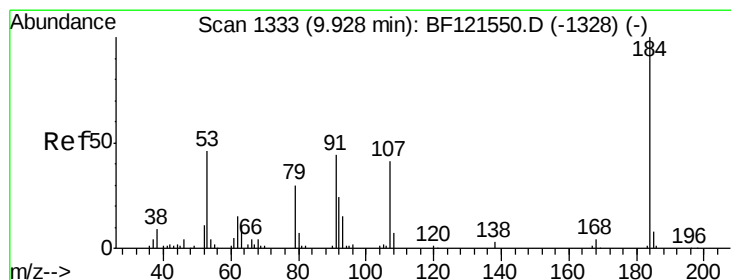
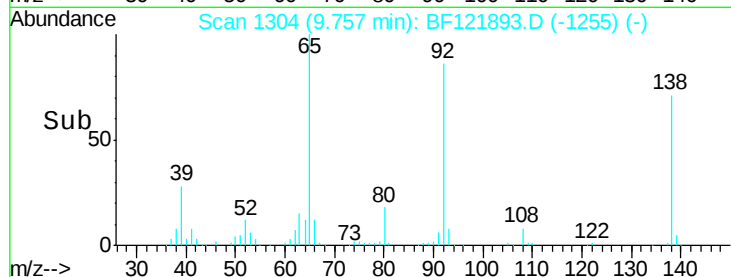
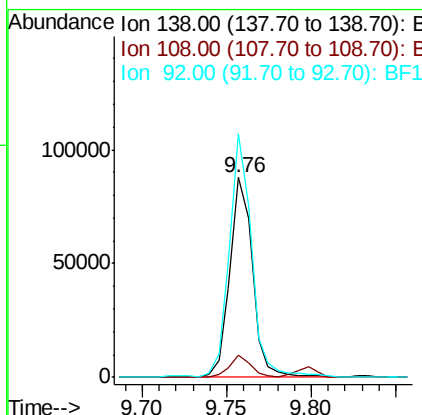
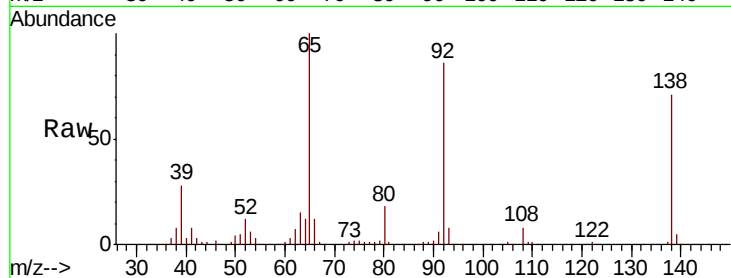




#53
 3-Nitroaniline
 Concen: 23.304 ng
 RT: 9.76 min Scan# 1304
 Delta R.T. -0.01 min
 Lab File: BF121893.D
 Acq: 8 Oct 2020 17:17

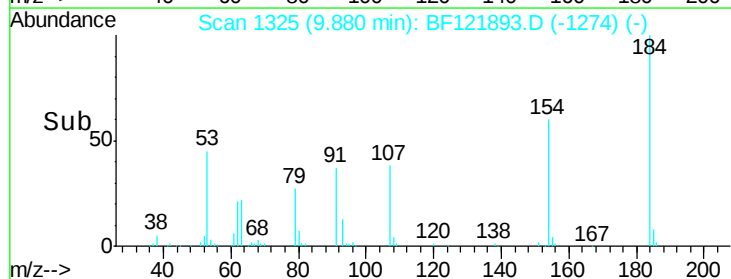
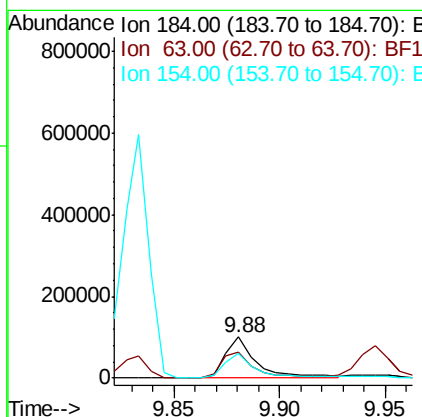
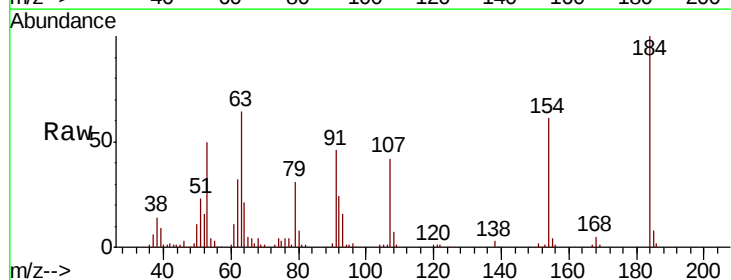
Instrument :
 BNA_F
 ClientSampleId :
 OWLS-HEAD-BH-04-BMS

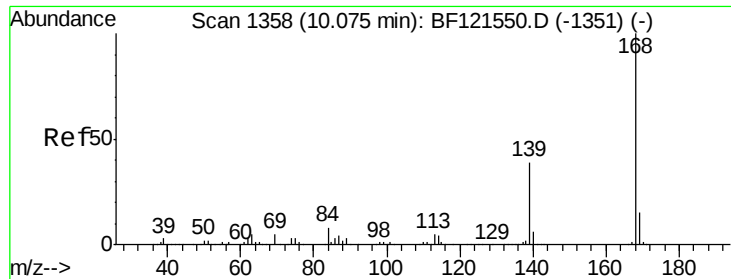
Tot Ion:138 Resp: 82373
 Ion Ratio Lower Upper
 138 100
 108 10.9 8.6 13.0
 92 122.0 96.6 144.8



#54
 2,4-Dinitrophenol
 Concen: 60.781 ng
 RT: 9.88 min Scan# 1325
 Delta R.T. 0.00 min
 Lab File: BF121893.D
 Acq: 8 Oct 2020 17:17

Tgt Ion:184 Resp: 102655
 Ion Ratio Lower Upper
 184 100
 63 64.3 45.9 68.9
 154 60.7 45.8 68.6





#55

Dibenzofuran

Concen: 43.782 ng

RT: 10.00 min Scan# 1346

Delta R.T. -0.01 min

Lab File: BF121893.D

Acq: 8 Oct 2020 17:17

Instrument :

BNA_F

ClientSampleId :

OWLS-HEAD-BH-04-BMS

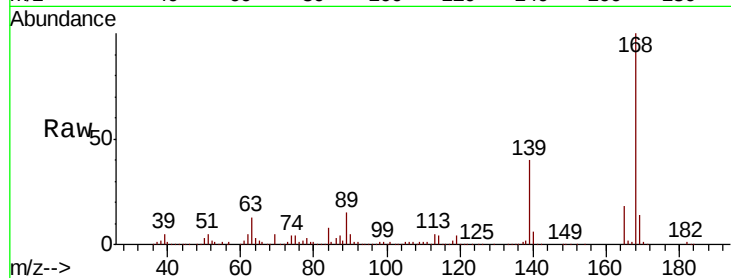
Tot Ion:168 Resp: 746198

Ion Ratio Lower Upper

168 100

139 39.7 31.0 46.6

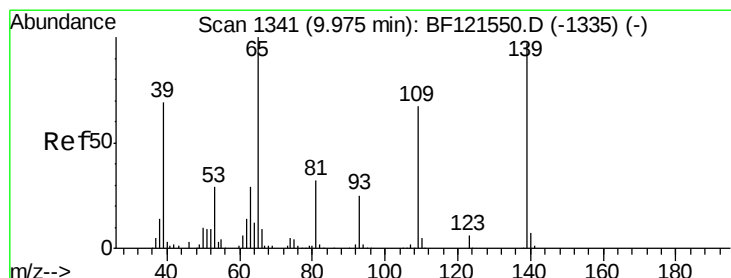
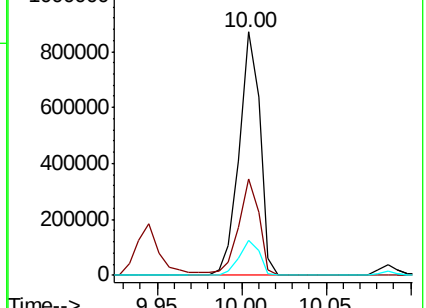
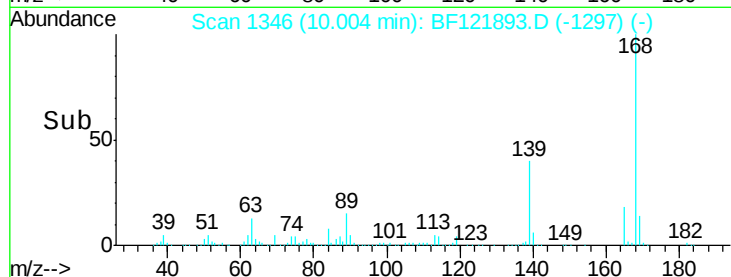
169 14.3 11.3 16.9



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#56

4-Nitrophenol

Concen: 65.174 ng

RT: 9.95 min Scan# 1336

Delta R.T. 0.01 min

Lab File: BF121893.D

Acq: 8 Oct 2020 17:17

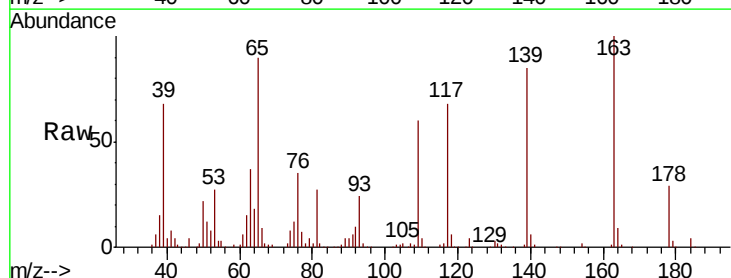
Tgt Ion:139 Resp: 183723

Ion Ratio Lower Upper

139 100

109 70.3 45.4 85.4

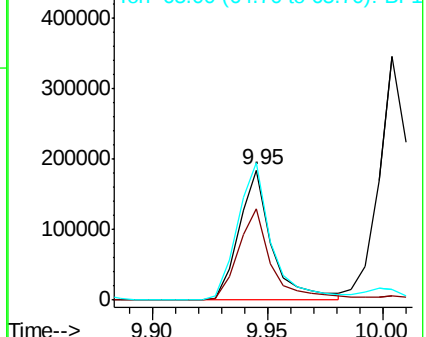
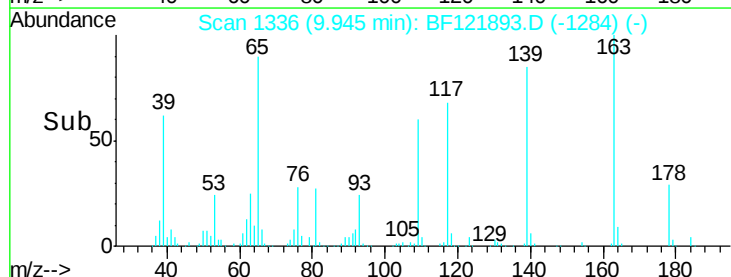
65 106.0 68.4 108.4

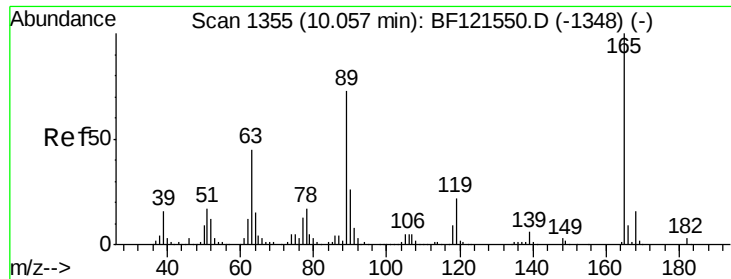


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1

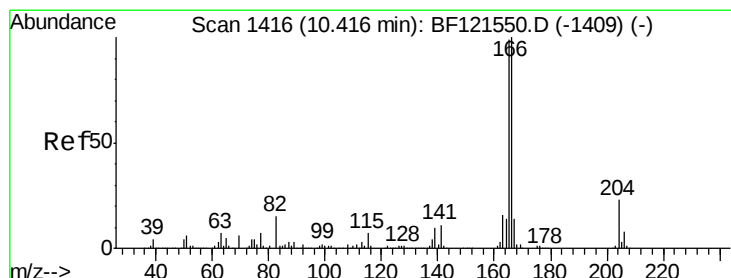
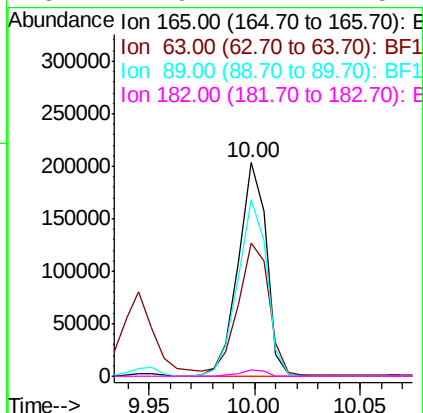
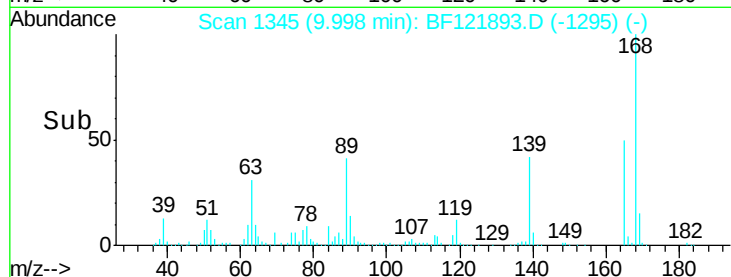
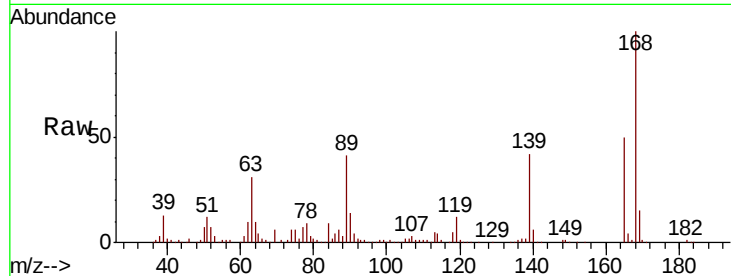




#57
2,4-Dinitrotoluene
Concen: 49.052 ng
RT: 10.00 min Scan# 1345
Delta R.T. -0.01 min
Lab File: BF121893.D
Acq: 8 Oct 2020 17:17

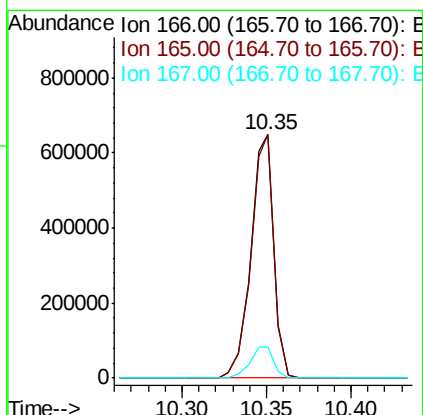
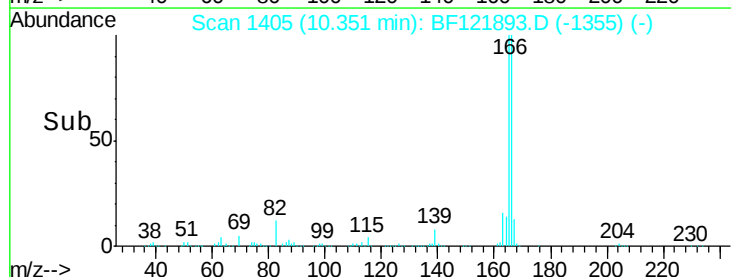
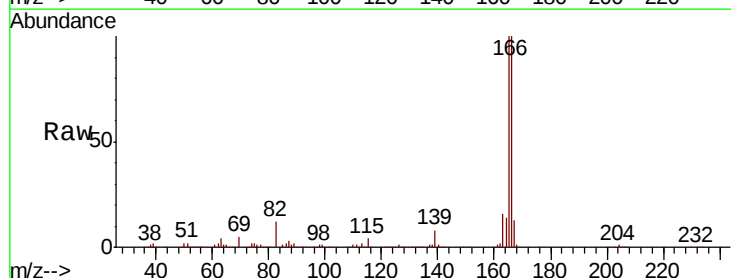
Instrument :
BNA_F
ClientSampleId :
OWLS-HEAD-BH-04-BMS

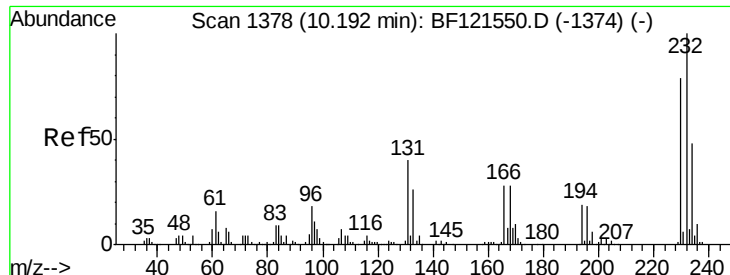
Tot Ion	Ratio	Lower	Upper
165	100		
63	62.3	41.3	61.9#
89	83.0	61.8	92.8
182	2.9	2.1	3.1



#58
Fluorene
Concen: 47.022 ng
RT: 10.35 min Scan# 1405
Delta R.T. -0.01 min
Lab File: BF121893.D
Acq: 8 Oct 2020 17:17

Tgt Ion	Ratio	Lower	Upper
166	100		
165	100.2	79.1	118.7
167	13.0	11.0	16.6

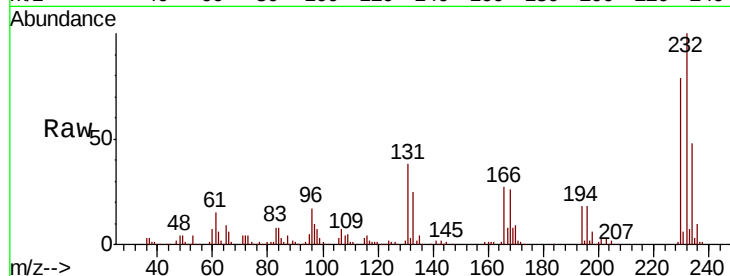




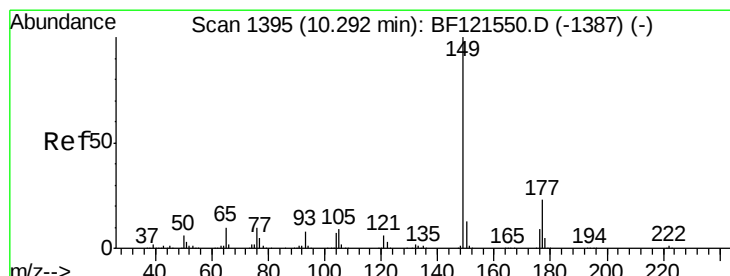
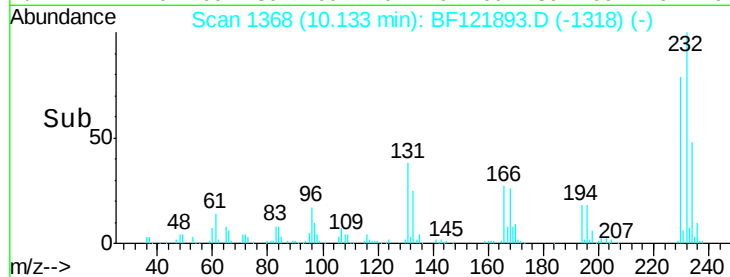
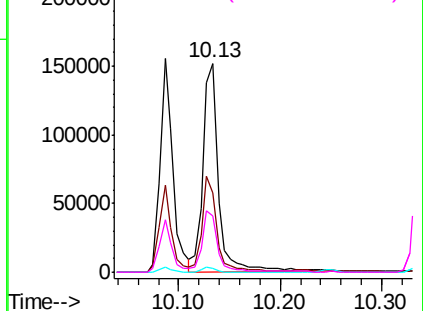
#59
 2,3,4,6-Tetrachlorophenol
 Concen: 44.511 ng
 RT: 10.13 min Scan# 1368
 Delta R.T. -0.01 min
 Lab File: BF121893.D
 Acq: 8 Oct 2020 17:17

Instrument :
 BNA_F
 ClientSampleId :
 OWLS-HEAD-BH-04-BMS

Tot Ion:	232	Resp:	161008
Ion	Ratio	Lower	Upper
232	100		
131	42.5	35.9	53.9
130	2.1	1.8	2.6
166	28.3	23.5	35.3

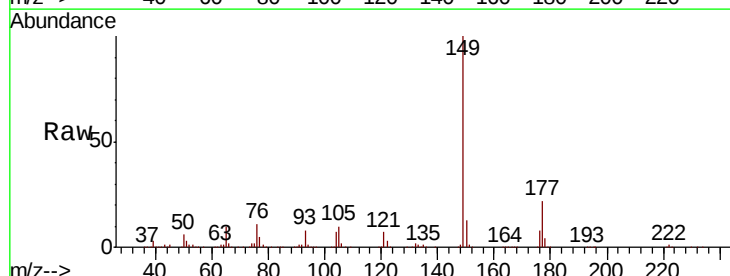


Abundance Ion 232.00 (231.70 to 232.70): E
 Ion 131.00 (130.70 to 131.70): E
 Ion 130.00 (129.70 to 130.70): E
 Ion 166.00 (165.70 to 166.70): E

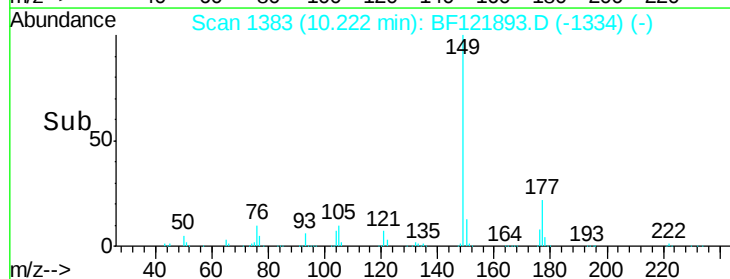
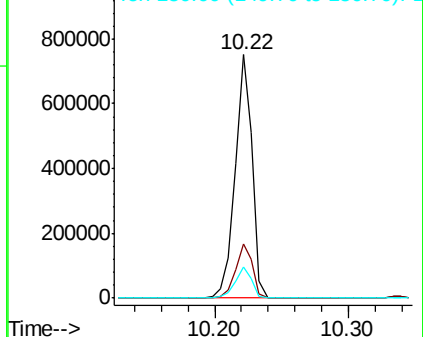


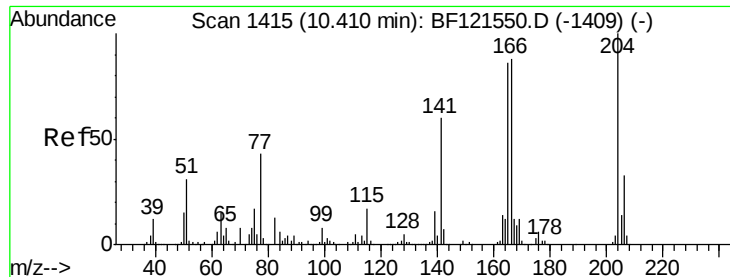
#60
 Diethylphthalate
 Concen: 48.060 ng
 RT: 10.22 min Scan# 1383
 Delta R.T. -0.01 min
 Lab File: BF121893.D
 Acq: 8 Oct 2020 17:17

Tgt Ion:	149	Resp:	671355
Ion	Ratio	Lower	Upper
149	100		
177	22.2	18.1	27.1
150	12.7	10.3	15.5



Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 177.00 (176.70 to 177.70): E
 Ion 150.00 (149.70 to 150.70): E

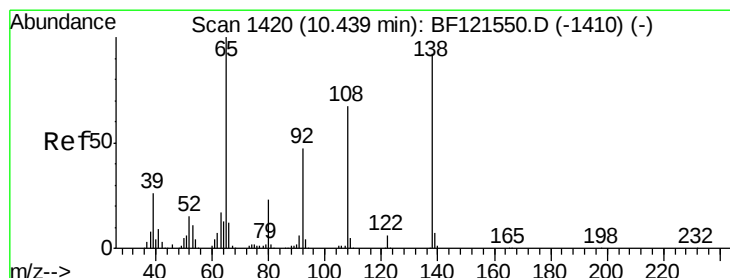
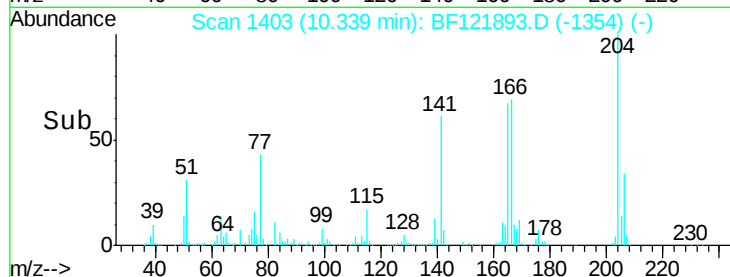
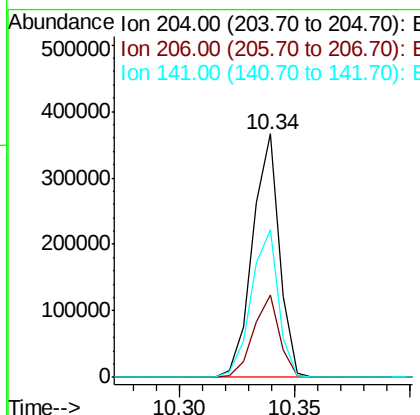
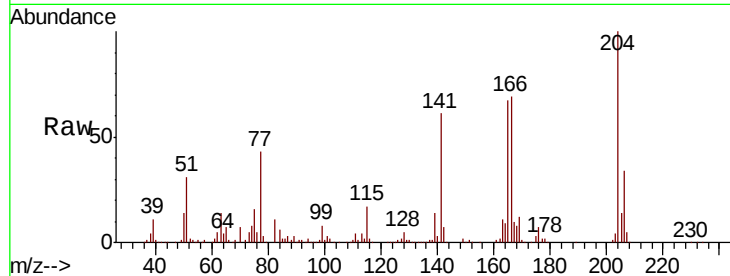




#61
4-Chlorophenyl-phenylether
Concen: 47.690 ng
RT: 10.34 min Scan# 1403
Delta R.T. -0.01 min
Lab File: BF121893.D
Acq: 8 Oct 2020 17:17

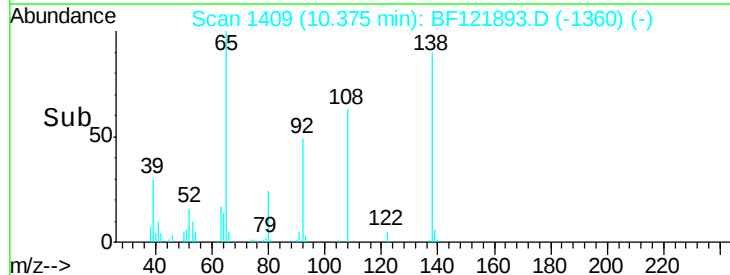
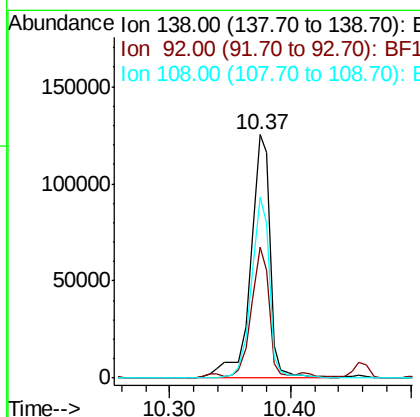
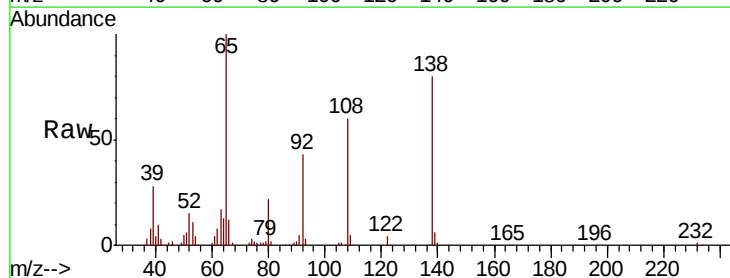
Instrument :
BNA_F
ClientSampleId :
OWLS-HEAD-BH-04-BMS

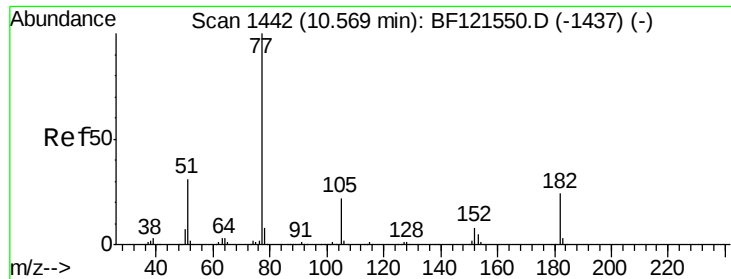
Tot Ion	Ratio	Lower	Upper
204	100		
206	33.6	26.0	39.0
141	60.7	46.2	69.4



#62
4-Nitroaniline
Concen: 40.603 ng
RT: 10.37 min Scan# 1409
Delta R.T. -0.01 min
Lab File: BF121893.D
Acq: 8 Oct 2020 17:17

Tgt Ion	Ratio	Lower	Upper
138	100		
92	54.1	31.0	71.0
108	74.4	51.5	91.5





#63

Azobenzene

Concen: 45.880 ng

RT: 10.50 min Scan# 1430

Delta R.T. -0.01 min

Lab File: BF121893.D

Acq: 8 Oct 2020 17:17

Instrument :

BNA_F

ClientSampleId :

OWLS-HEAD-BH-04-BMS

Tot Ion: 77 Resp: 682510

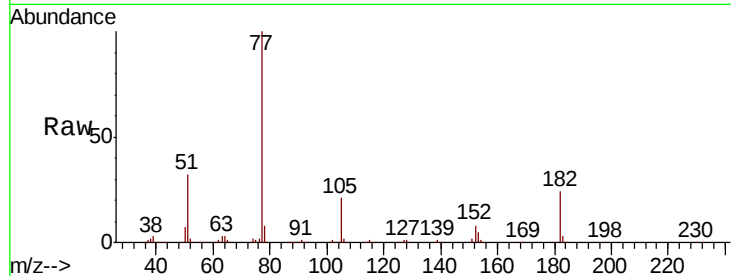
Ion Ratio Lower Upper

77 100

182 23.9 3.4 43.4

105 21.3 1.7 41.7

51 32.2 11.6 51.6

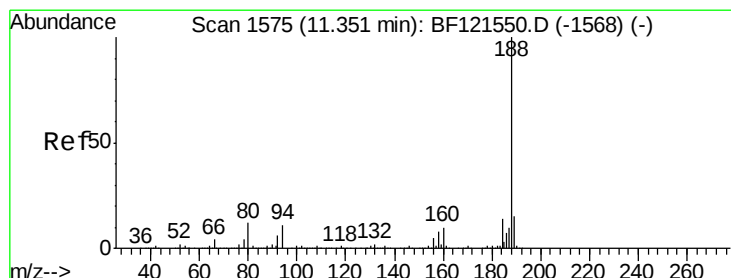
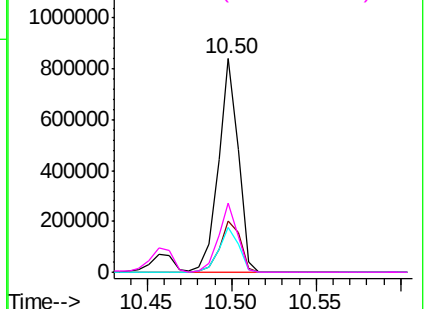
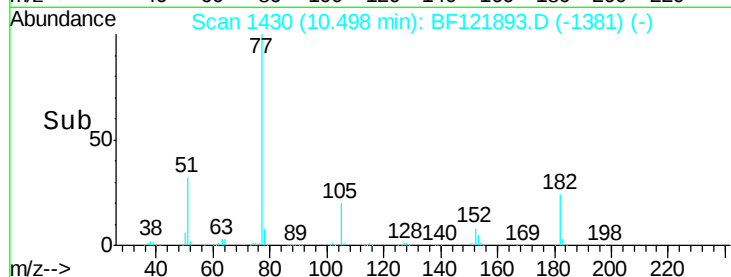


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 182.00 (181.70 to 182.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 51.00 (50.70 to 51.70): BF1



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.29 min Scan# 1564

Delta R.T. -0.01 min

Lab File: BF121893.D

Acq: 8 Oct 2020 17:17

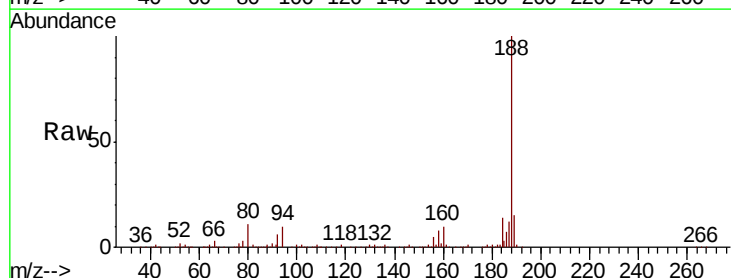
Tgt Ion: 188 Resp: 363362

Ion Ratio Lower Upper

188 100

94 10.2 8.3 12.5

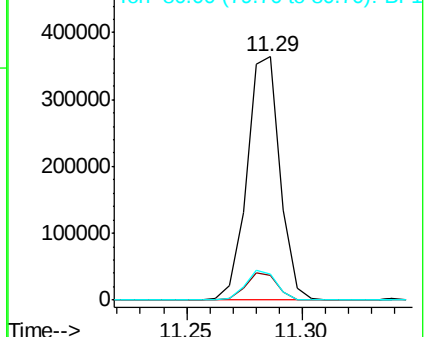
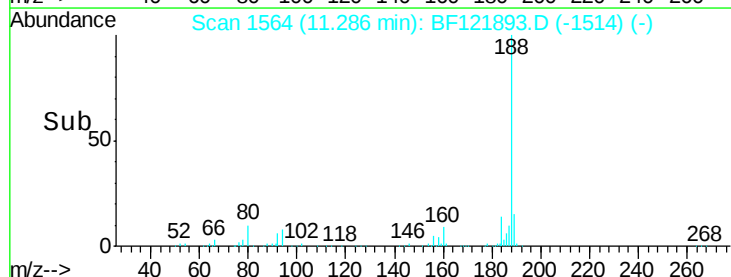
80 10.6 9.1 13.7

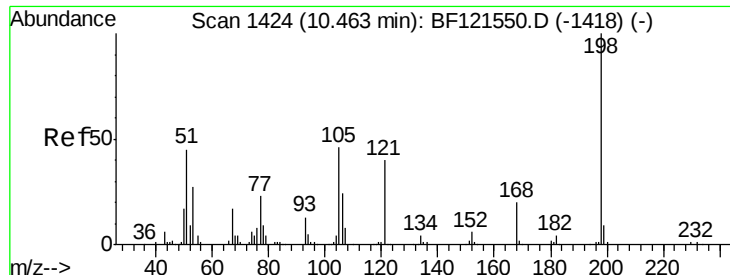


Abundance Ion 188.00 (187.70 to 188.70): BF1

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

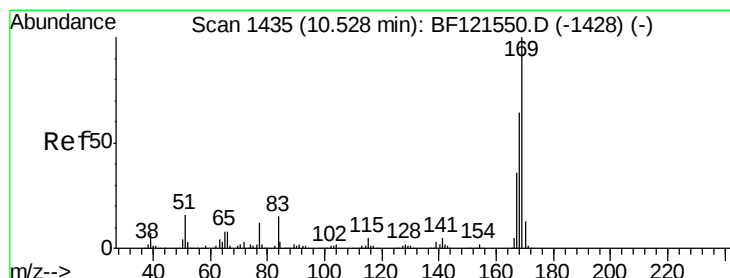
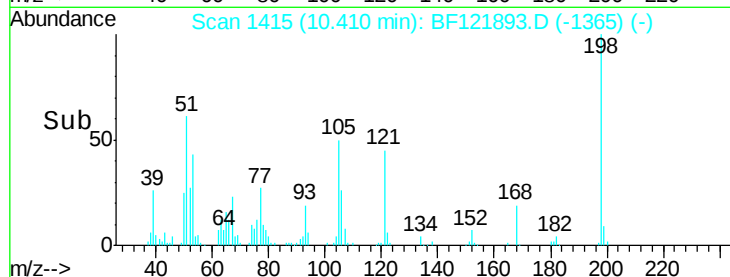
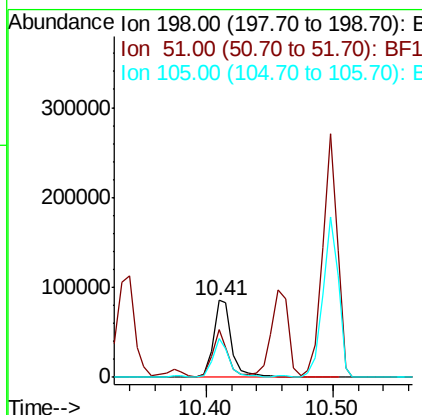
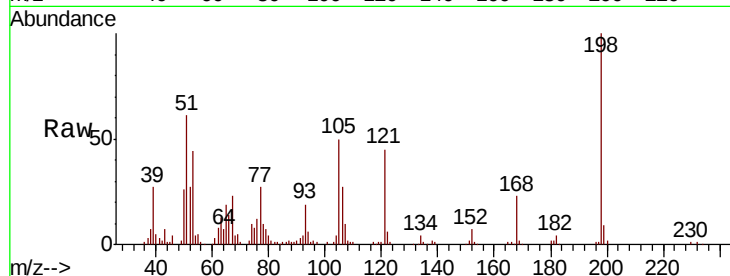




#65
 4,6-Dinitro-2-methylphenol
 Concen: 40.715 ng
 RT: 10.41 min Scan# 1415
 Delta R.T. -0.01 min
 Lab File: BF121893.D
 Acq: 8 Oct 2020 17:17

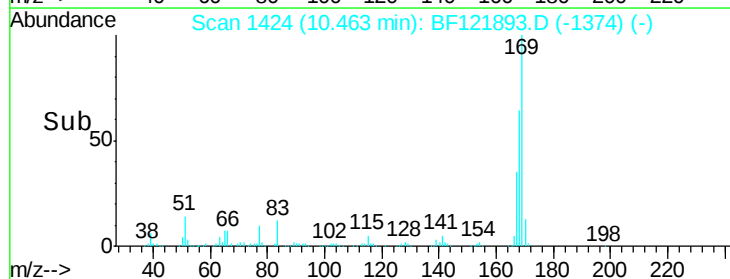
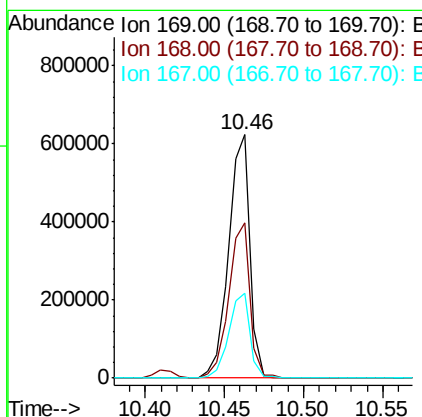
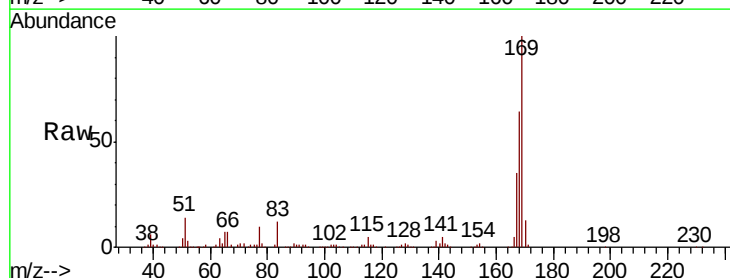
Instrument :
 BNA_F
 ClientSampleId :
 OWLS-HEAD-BH-04-BMS

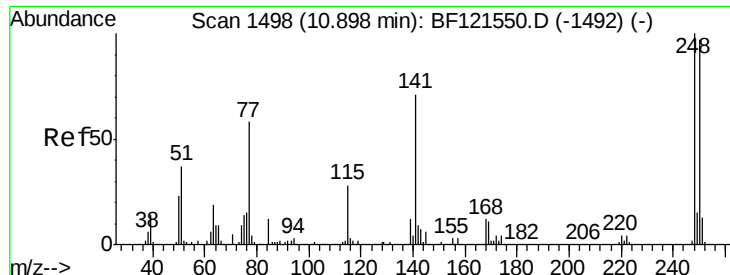
Tot Ion:198 Resp: 88078
 Ion Ratio Lower Upper
 198 100
 51 61.4 29.6 69.6
 105 49.9 24.4 64.4



#66
 n-Nitrosodiphenylamine
 Concen: 46.220 ng
 RT: 10.46 min Scan# 1424
 Delta R.T. -0.01 min
 Lab File: BF121893.D
 Acq: 8 Oct 2020 17:17

Tgt Ion:169 Resp: 576187
 Ion Ratio Lower Upper
 169 100
 168 63.9 50.0 75.0
 167 35.0 27.8 41.6

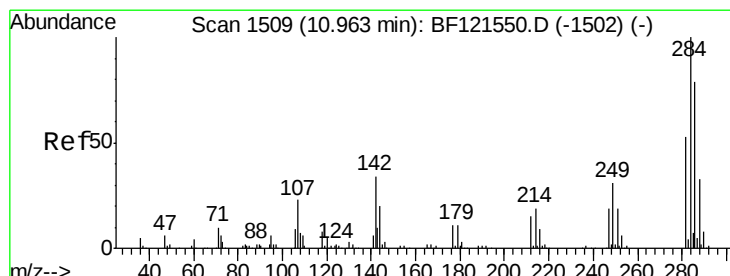
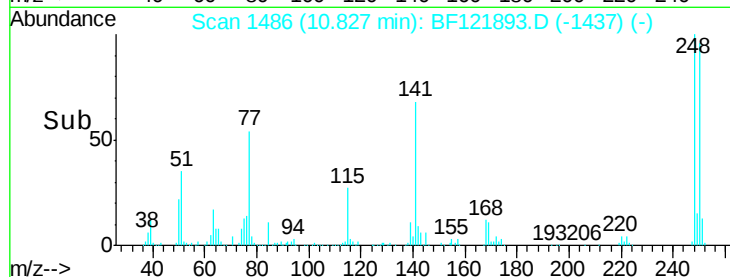
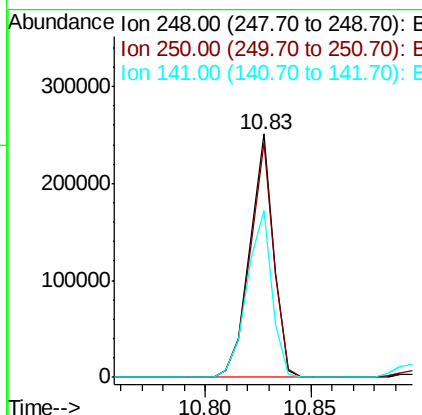
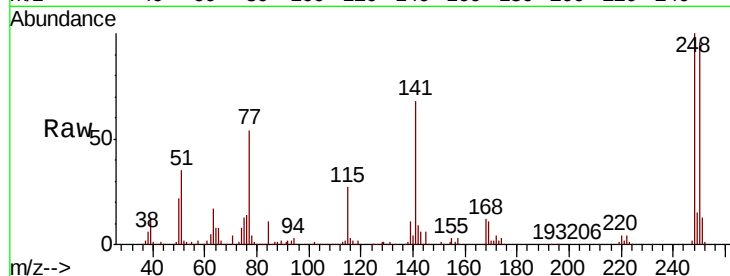




#67
 4-Bromophenyl-phenylether
 Concen: 47.793 ng
 RT: 10.83 min Scan# 1486
 Delta R.T. -0.01 min
 Lab File: BF121893.D
 Acq: 8 Oct 2020 17:17

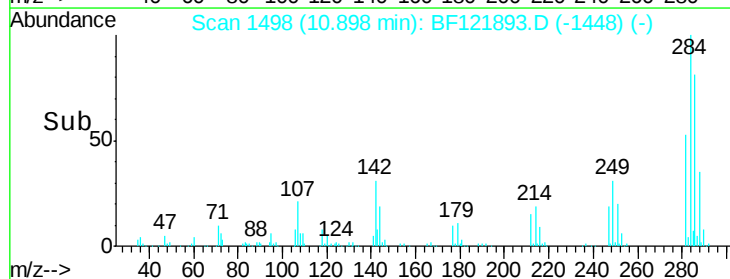
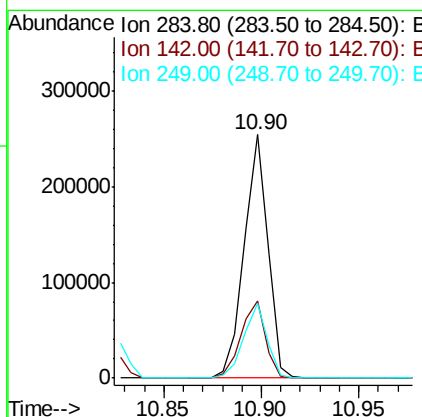
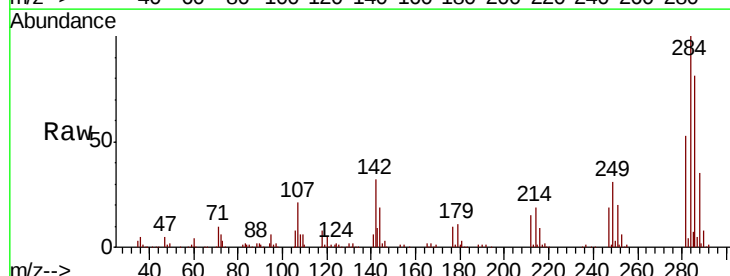
Instrument :
 BNA_F
 ClientSampleId :
 OWLS-HEAD-BH-04-BMS

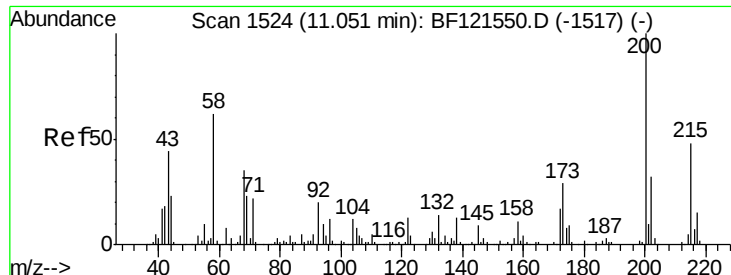
Tot Ion:248 Resp: 197722
 Ion Ratio Lower Upper
 248 100
 250 96.3 77.0 115.6
 141 68.5 53.7 80.5



#68
 Hexachlorobenzene
 Concen: 45.961 ng
 RT: 10.90 min Scan# 1498
 Delta R.T. -0.01 min
 Lab File: BF121893.D
 Acq: 8 Oct 2020 17:17

Tgt Ion:284 Resp: 214581
 Ion Ratio Lower Upper
 284 100
 142 31.6 27.4 41.2
 249 30.8 24.2 36.4

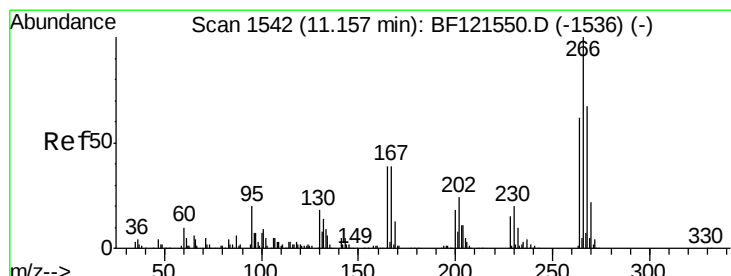
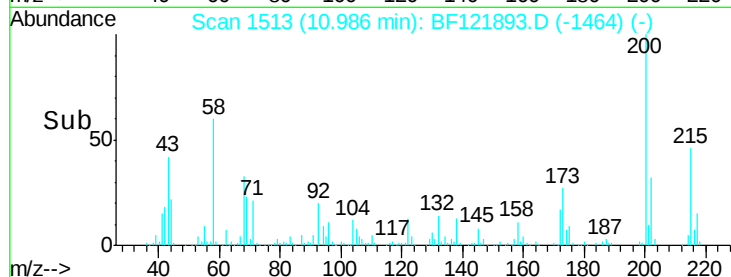
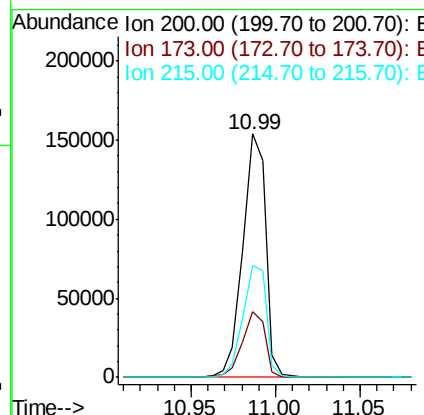
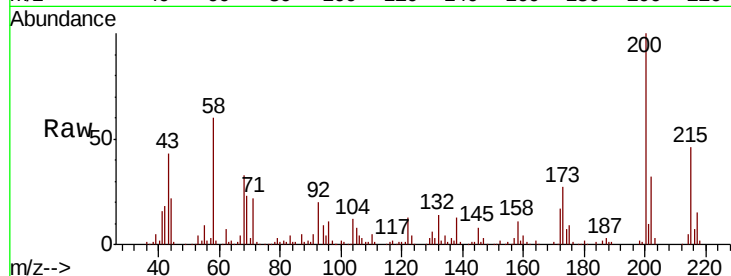




#69
Atrazine
Concen: 46.961 ng
RT: 10.99 min Scan# 1513
Delta R.T. -0.01 min
Lab File: BF121893.D
Acq: 8 Oct 2020 17:17

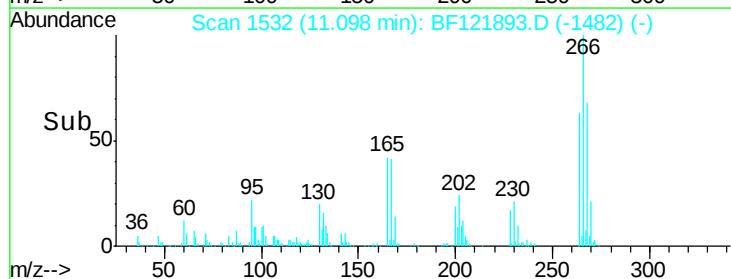
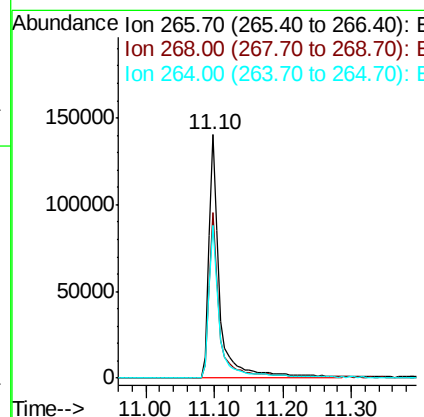
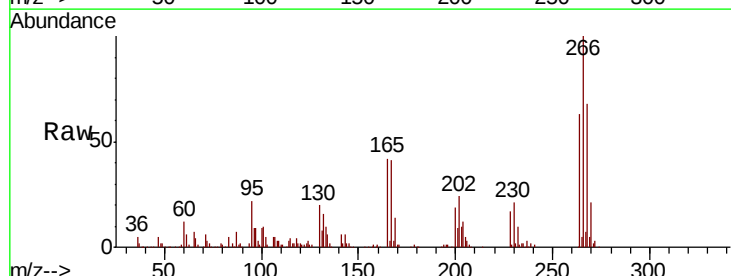
Instrument :
BNA_F
ClientSampleId :
OWLS-HEAD-BH-04-BMS

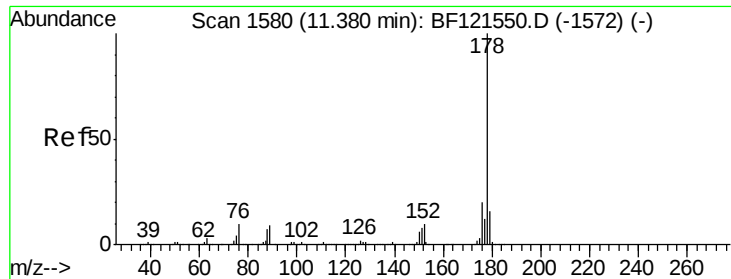
Tot Ion:200 Resp: 145445
Ion Ratio Lower Upper
200 100
173 27.2 7.5 47.5
215 46.0 27.1 67.1



#70
Pentachlorophenol
Concen: 63.590 ng
RT: 11.10 min Scan# 1532
Delta R.T. -0.01 min
Lab File: BF121893.D
Acq: 8 Oct 2020 17:17

Tgt Ion:266 Resp: 163046
Ion Ratio Lower Upper
266 100
268 67.9 52.4 78.6
264 62.6 49.9 74.9

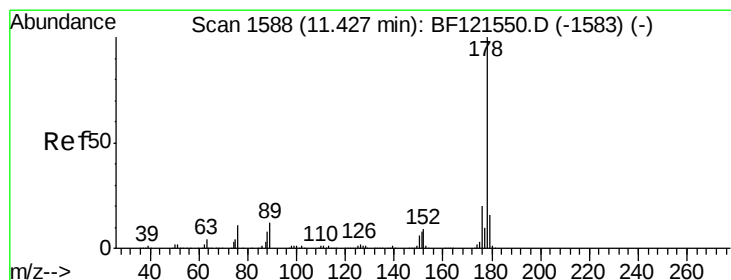
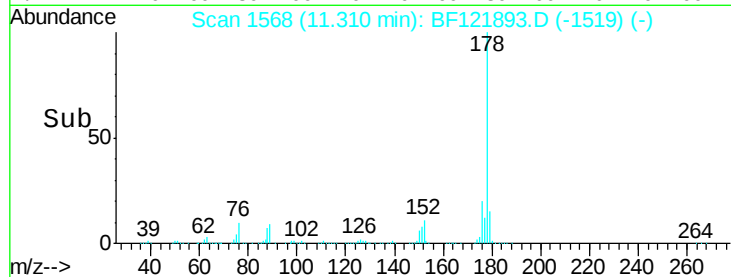
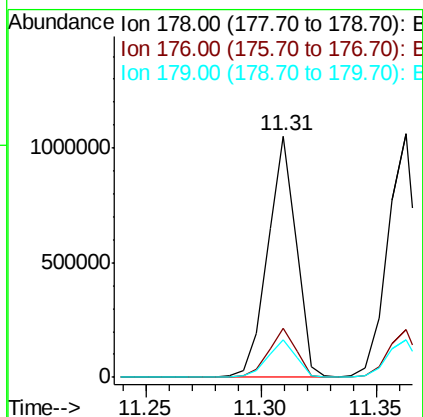
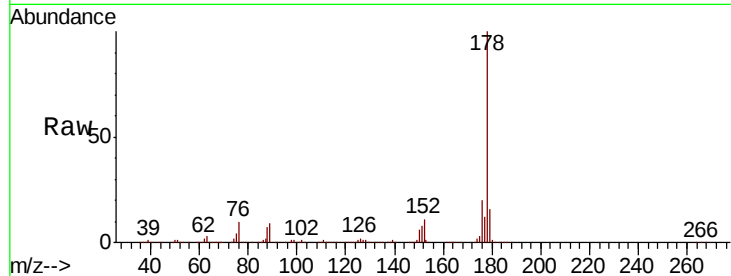




#71
Phenanthrene
Concen: 45.369 ng
RT: 11.31 min Scan# 1568
Delta R.T. -0.01 min
Lab File: BF121893.D
Acq: 8 Oct 2020 17:17

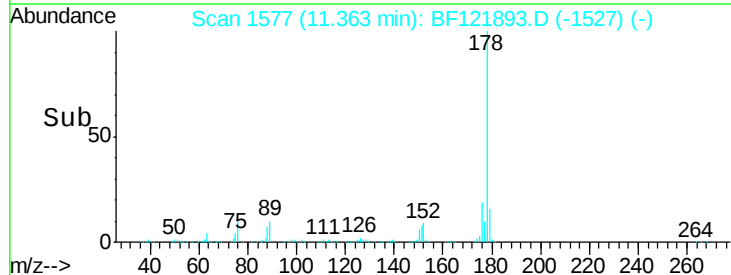
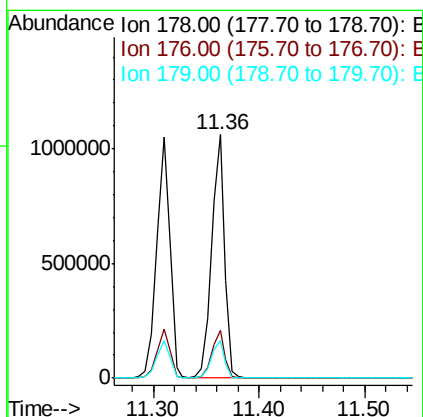
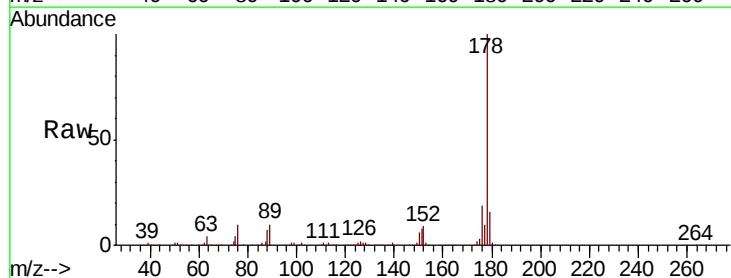
Instrument :
BNA_F
ClientSampleId :
OWLS-HEAD-BH-04-BMS

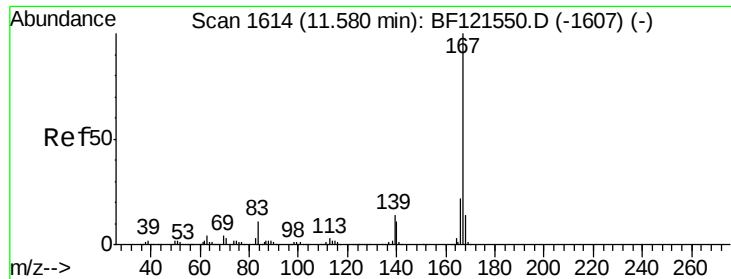
Tot Ion:178 Resp: 898198
Ion Ratio Lower Upper
178 100
176 20.1 15.9 23.9
179 15.5 12.2 18.4



#72
Anthracene
Concen: 45.178 ng
RT: 11.36 min Scan# 1577
Delta R.T. -0.01 min
Lab File: BF121893.D
Acq: 8 Oct 2020 17:17

Tgt Ion:178 Resp: 922987
Ion Ratio Lower Upper
178 100
176 19.4 15.7 23.5
179 15.6 12.7 19.1





#73

Carbazole

Concen: 44.178 ng

RT: 11.52 min Scan# 1604

Delta R.T. -0.01 min

Lab File: BF121893.D

Acq: 8 Oct 2020 17:17

Instrument :

BNA_F

ClientSampleId :

OWLS-HEAD-BH-04-BMS

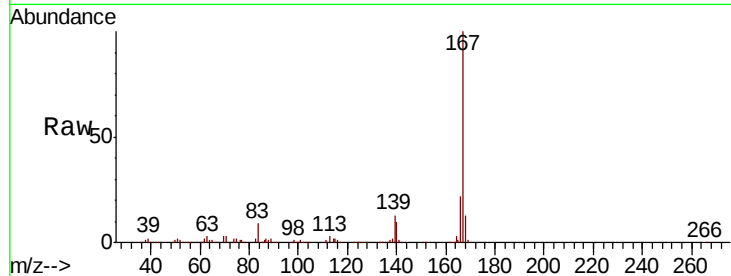
Tot Ion:167 Resp: 814481

Ion Ratio Lower Upper

167 100

166 22.0 17.8 26.6

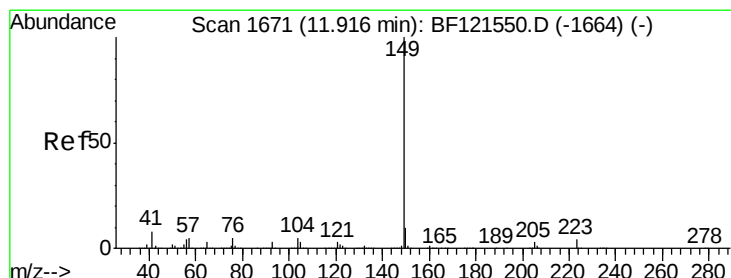
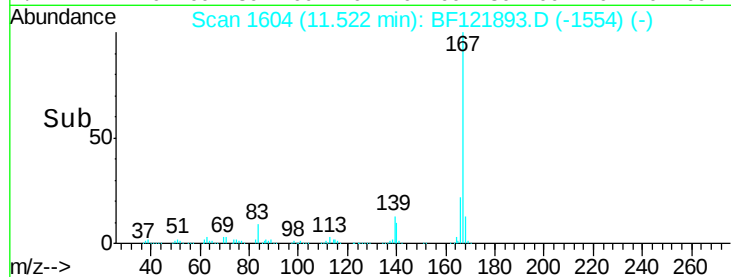
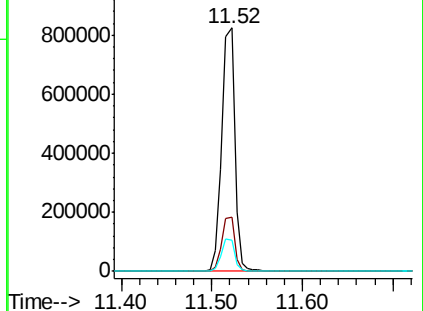
139 12.9 10.8 16.2



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#74

Di-n-butylphthalate

Concen: 49.329 ng

RT: 11.85 min Scan# 1659

Delta R.T. -0.01 min

Lab File: BF121893.D

Acq: 8 Oct 2020 17:17

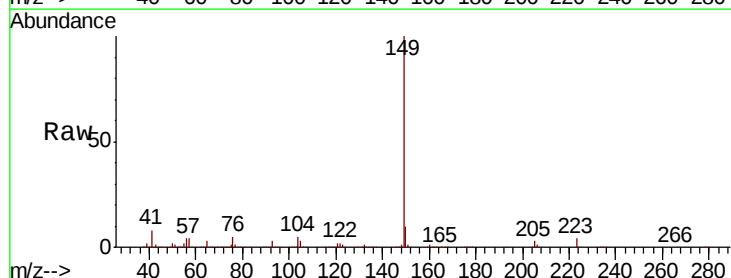
Tgt Ion:149 Resp: 1049650

Ion Ratio Lower Upper

149 100

150 9.5 7.7 11.5

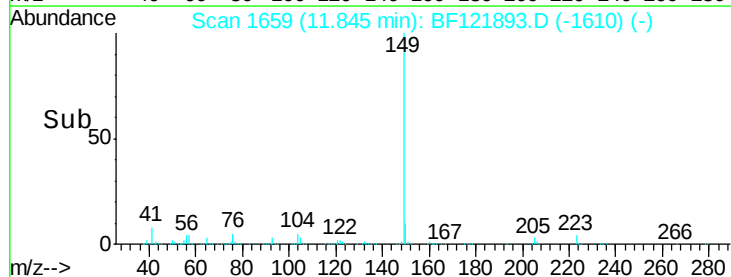
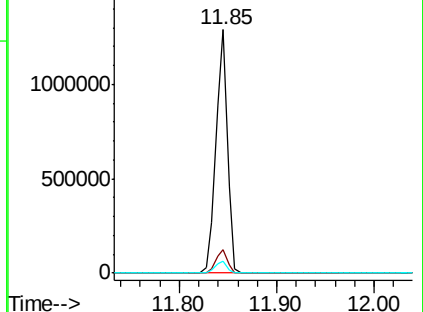
104 5.2 4.2 6.2

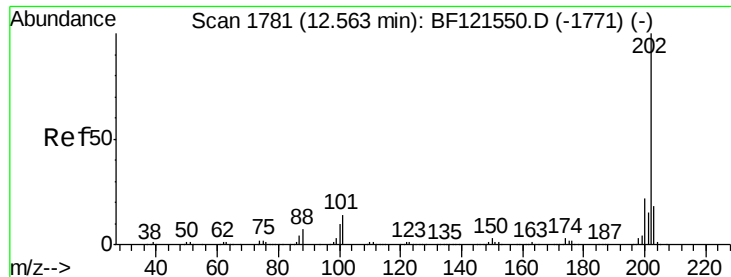


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#75

Fluoranthene

Concen: 42.692 ng

RT: 12.50 min Scan# 1770

Delta R.T. -0.01 min

Lab File: BF121893.D

Acq: 8 Oct 2020 17:17

Instrument :

BNA_F

ClientSampleId :

OWLS-HEAD-BH-04-BMS

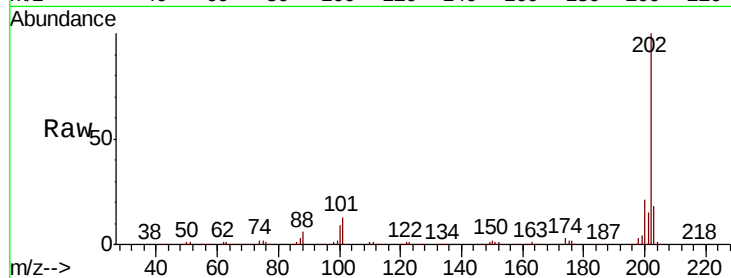
Tot Ion:202 Resp: 902231

Ion Ratio Lower Upper

202 100

101 12.6 0.0 33.4

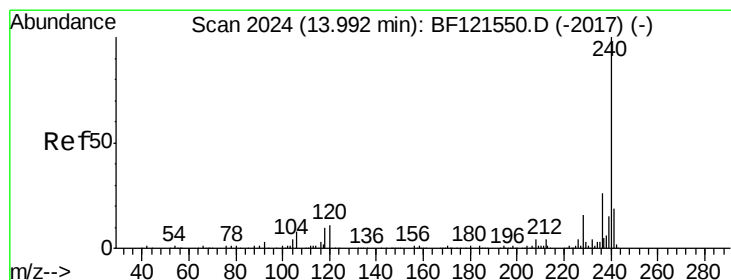
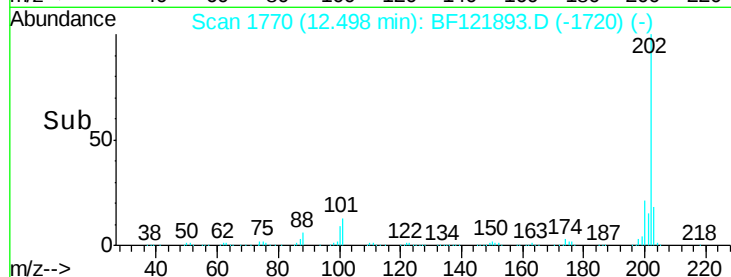
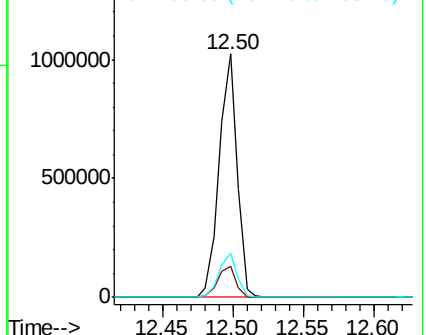
203 17.9 0.0 37.9



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: 13.93 min Scan# 2013

Delta R.T. -0.01 min

Lab File: BF121893.D

Acq: 8 Oct 2020 17:17

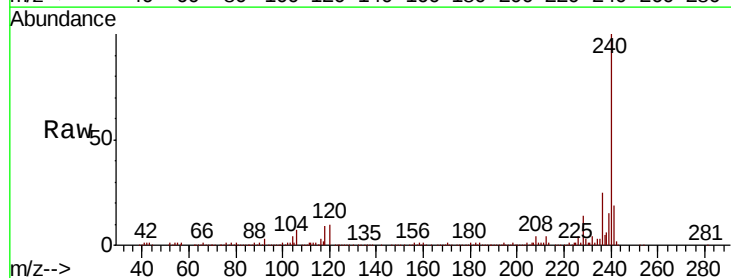
Tgt Ion:240 Resp: 229630

Ion Ratio Lower Upper

240 100

120 9.9 9.2 13.8

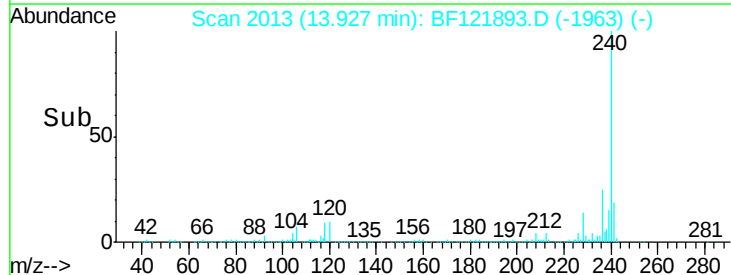
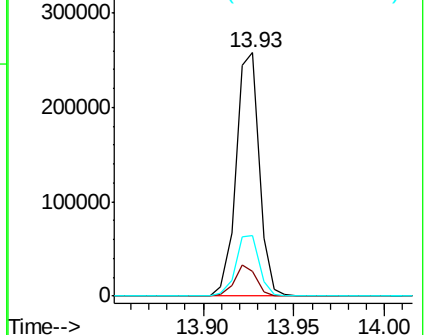
236 25.1 20.9 31.3

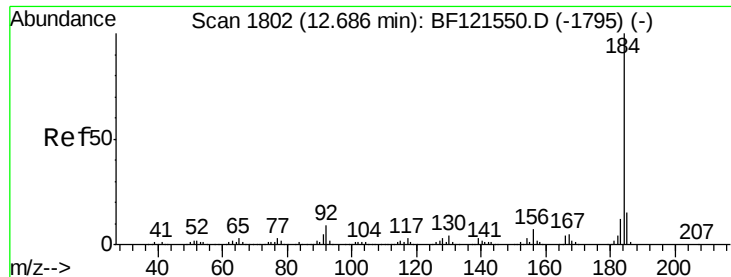


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 52.950 ng

RT: 12.62 min Scan# 1791

Delta R.T. -0.01 min

Lab File: BF121893.D

Acq: 8 Oct 2020 17:17

Instrument :

BNA_F

ClientSampleId :

OWLS-HEAD-BH-04-BMS

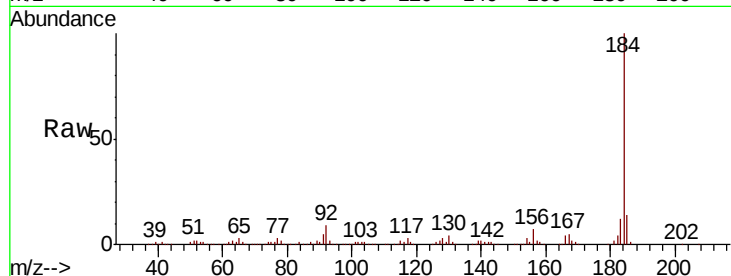
Tot Ion:184 Resp: 403090

Ion Ratio Lower Upper

184 100

185 13.9 11.6 17.4

183 11.5 9.4 14.0



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

12.62

400000

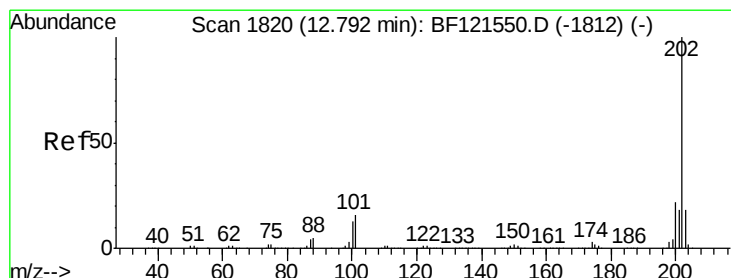
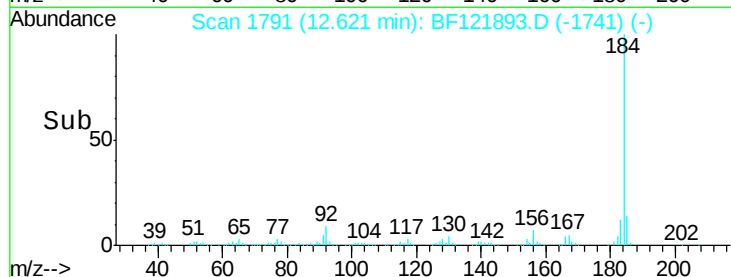
300000

200000

100000

0

Time-->



#78

Pyrene

Concen: 52.678 ng

RT: 12.73 min Scan# 1809

Delta R.T. -0.01 min

Lab File: BF121893.D

Acq: 8 Oct 2020 17:17

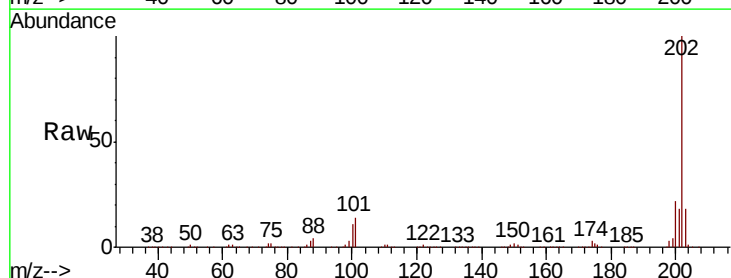
Tgt Ion:202 Resp: 883800

Ion Ratio Lower Upper

202 100

200 22.1 17.4 26.2

203 17.7 14.6 21.8



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

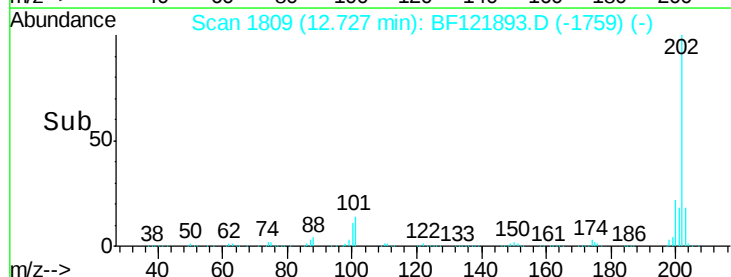
12.73

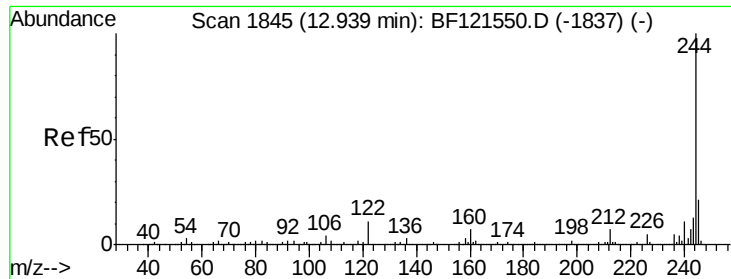
1000000

500000

0

Time-->





#79

Terphenyl-d14

Concen: 78.025 ng

RT: 12.87 min Scan# 1833

Delta R.T. -0.01 min

Lab File: BF121893.D

Acq: 8 Oct 2020 17:17

Instrument :

BNA_F

ClientSampleId :

OWLS-HEAD-BH-04-BMS

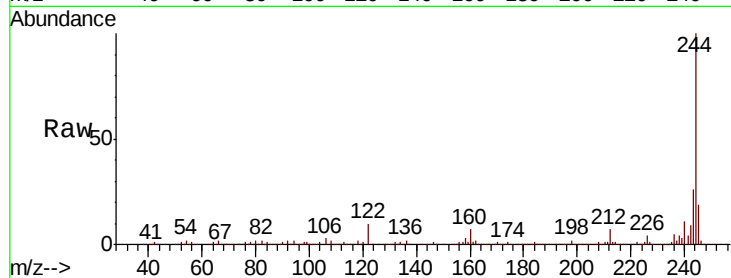
Tot Ion:244 Resp: 884387

Ion Ratio Lower Upper

244 100

212 7.0 5.4 8.2

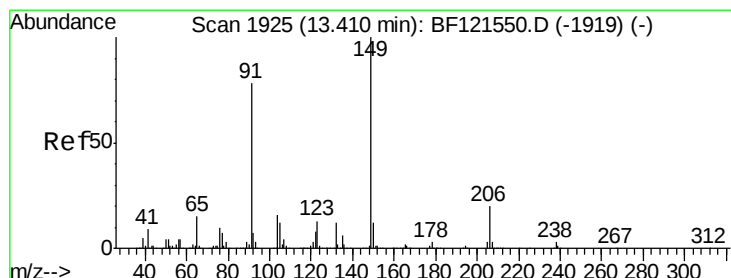
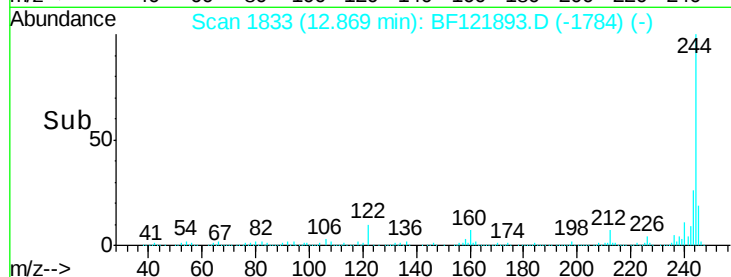
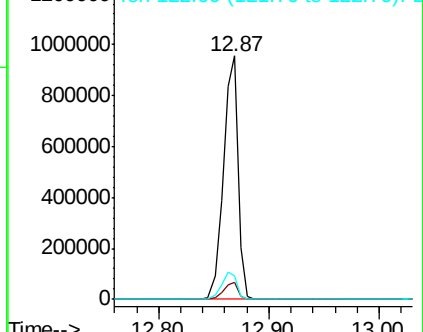
122 9.9 8.1 12.1



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



#80

Butylbenzylphthalate

Concen: 58.053 ng

RT: 13.34 min Scan# 1913

Delta R.T. -0.01 min

Lab File: BF121893.D

Acq: 8 Oct 2020 17:17

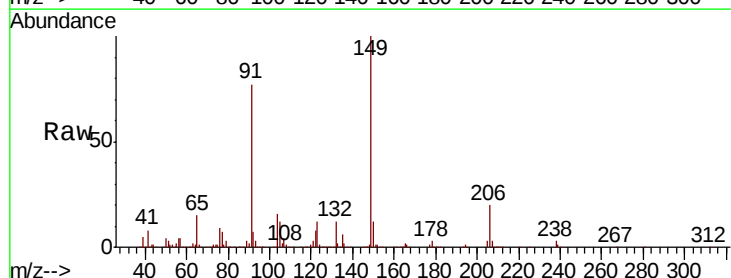
Tgt Ion:149 Resp: 393913

Ion Ratio Lower Upper

149 100

91 77.5 61.0 91.4

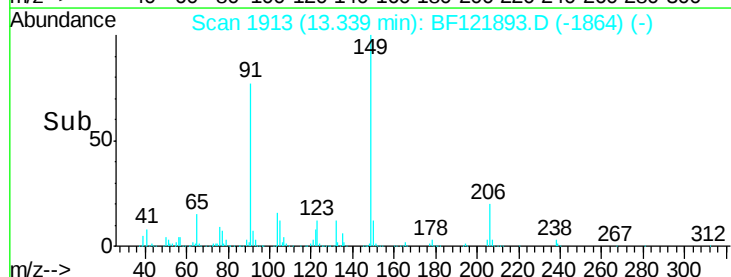
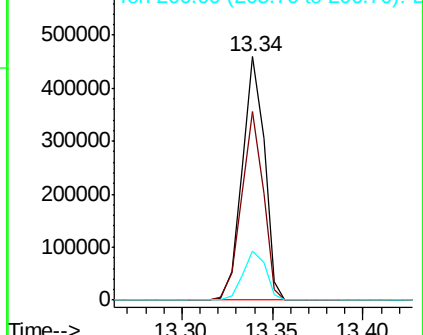
206 20.1 16.7 25.1

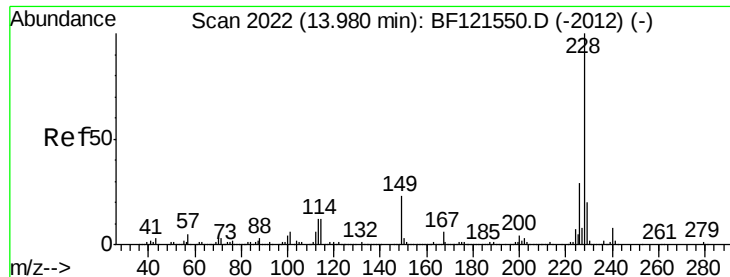


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF1

Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 49.152 ng

RT: 13.92 min Scan# 2011

Delta R.T. -0.01 min

Lab File: BF121893.D

Acq: 8 Oct 2020 17:17

Instrument :

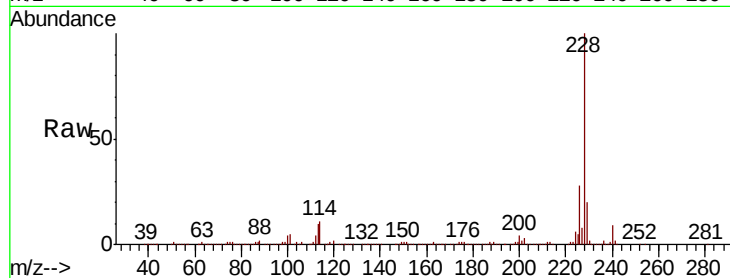
BNA_F

ClientSampleId :

OWLS-HEAD-BH-04-BMS

Tot Ion:228 Resp: 714059

Ion	Ratio	Lower	Upper
228	100		
226	27.8	22.3	33.5
229	20.0	16.2	24.4

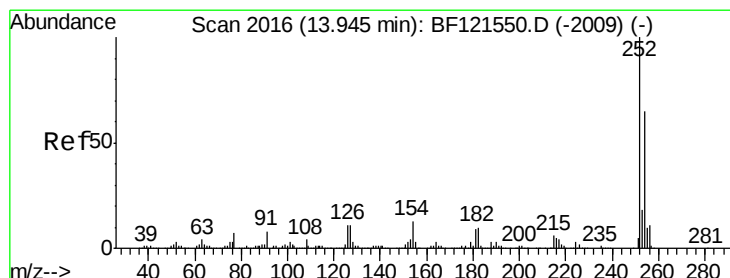
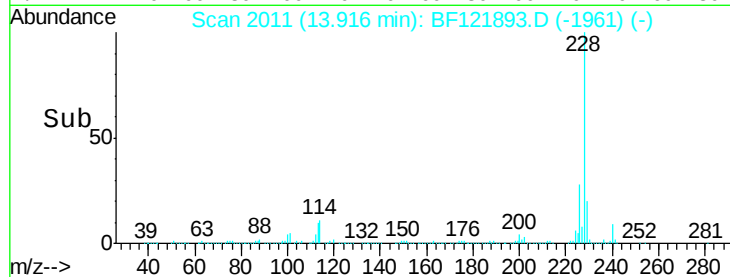
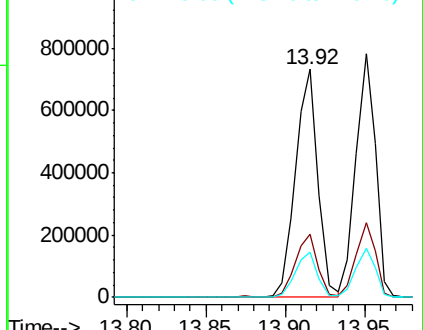


Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

3,3'-Dichlorobenzidine

Concen: 37.738 ng

RT: 13.87 min Scan# 2004

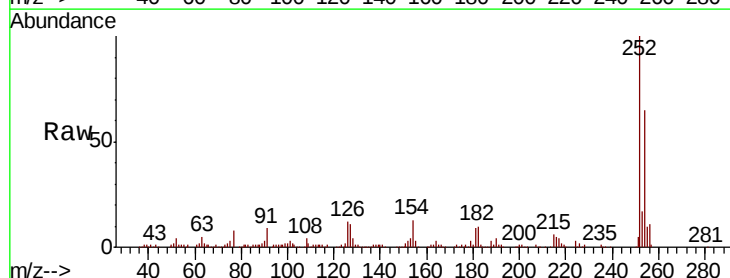
Delta R.T. -0.01 min

Lab File: BF121893.D

Acq: 8 Oct 2020 17:17

Tgt Ion:252 Resp: 214035

Ion	Ratio	Lower	Upper
252	100		
254	64.9	51.8	77.6
126	12.3	8.8	13.2

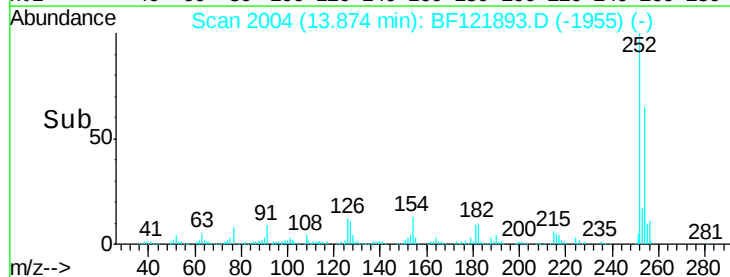
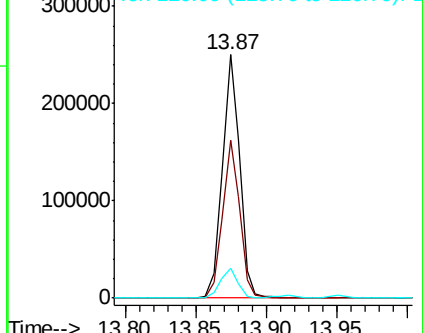


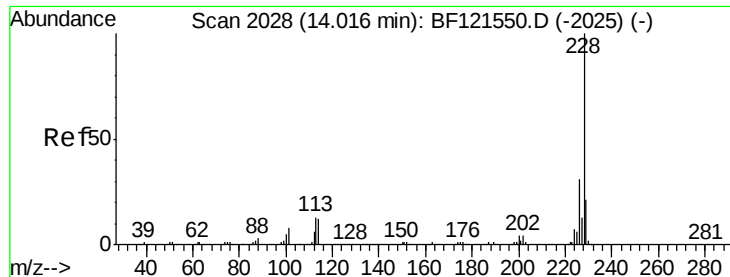
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#83

Chrvsene

Concen: 45.961 ng

RT: 13.95 min Scan# 2017

Delta R.T. -0.01 min

Lab File: BF121893.D

Acq: 8 Oct 2020 17:17

Instrument :

BNA_F

ClientSampleId :

OWLS-HEAD-BH-04-BMS

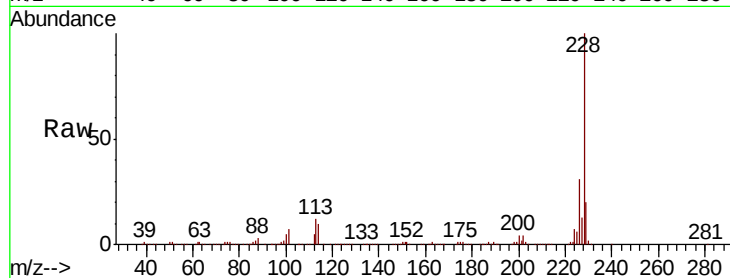
Tot Ion:228 Resp: 676131

Ion Ratio Lower Upper

228 100

226 30.8 24.6 37.0

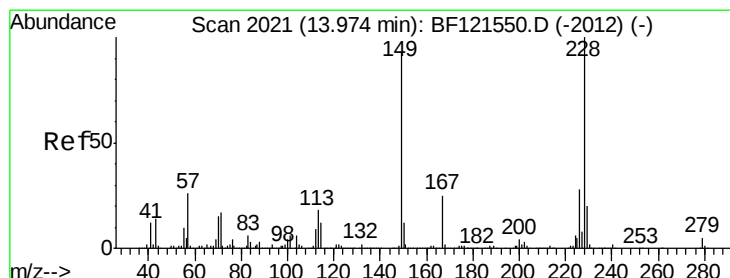
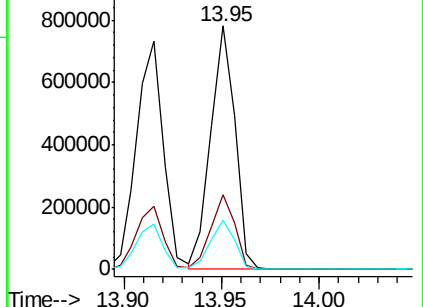
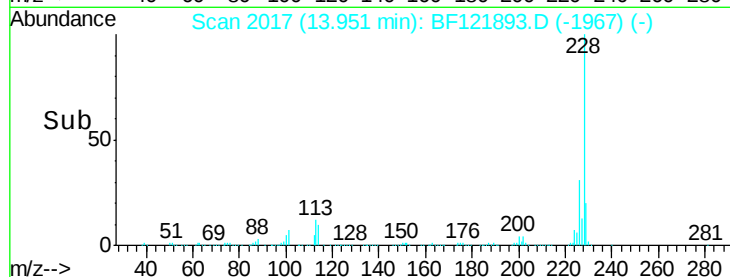
229 20.1 15.9 23.9



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#84

Bis(2-ethylhexyl)phthalate

Concen: 61.457 ng

RT: 13.90 min Scan# 2008

Delta R.T. -0.01 min

Lab File: BF121893.D

Acq: 8 Oct 2020 17:17

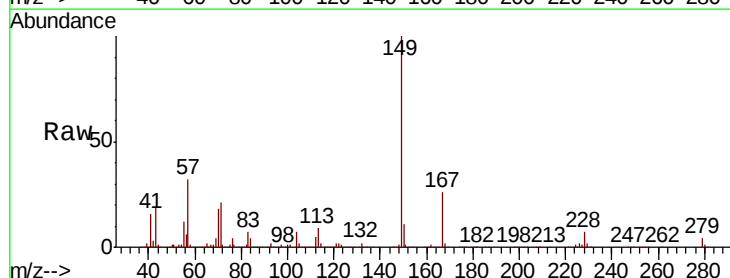
Tgt Ion:149 Resp: 557086

Ion Ratio Lower Upper

149 100

167 26.4 20.9 31.3

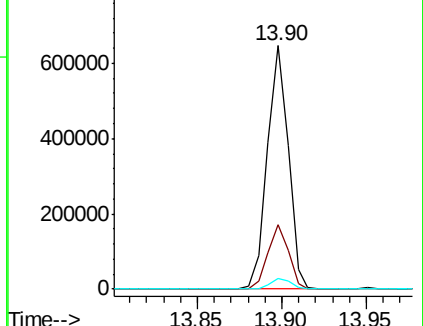
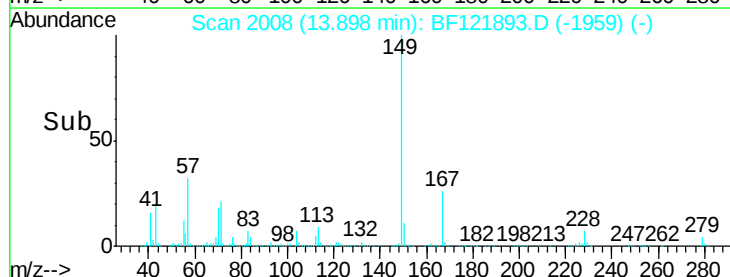
279 4.3 3.2 4.8

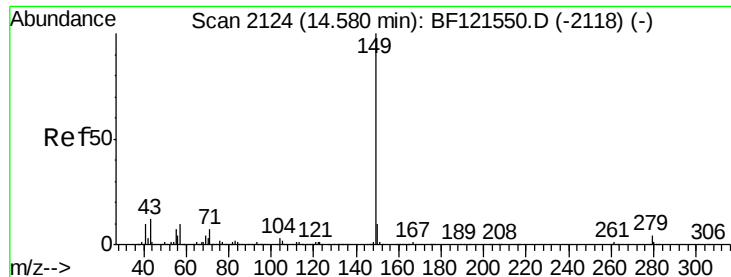


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#85

Di-n-octyl phthalate

Concen: 54.906 ng

RT: 14.51 min Scan# 2112

Delta R.T. -0.01 min

Lab File: BF121893.D

Acq: 8 Oct 2020 17:17

Instrument :

BNA_F

ClientSampleId :

OWLS-HEAD-BH-04-BMS

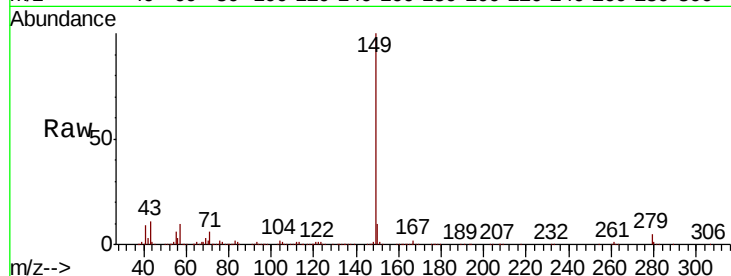
Tot Ion:149 Resp: 878352

Ion Ratio Lower Upper

149 100

167 1.6 1.2 1.8

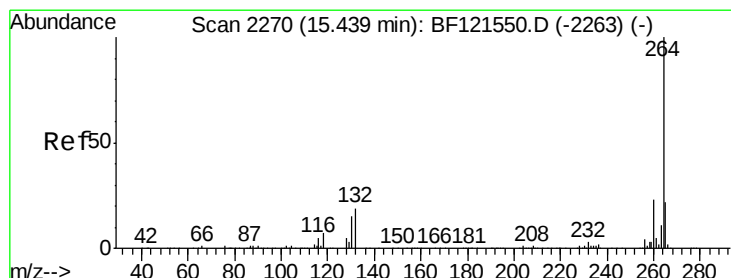
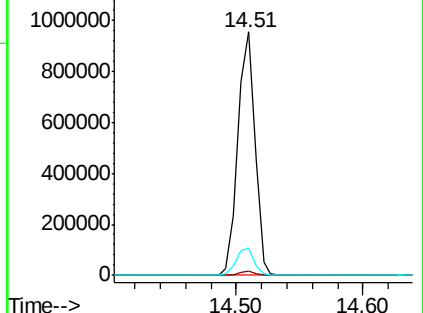
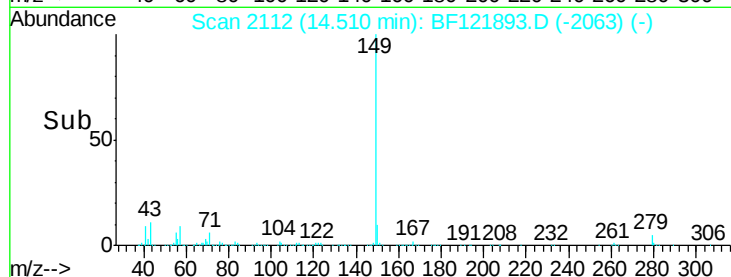
43 11.4 9.0 13.6



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF1



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.36 min Scan# 2257

Delta R.T. 0.00 min

Lab File: BF121893.D

Acq: 8 Oct 2020 17:17

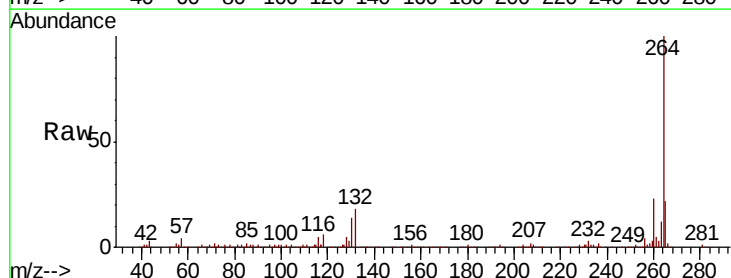
Tgt Ion:264 Resp: 251032

Ion Ratio Lower Upper

264 100

260 23.4 18.7 28.1

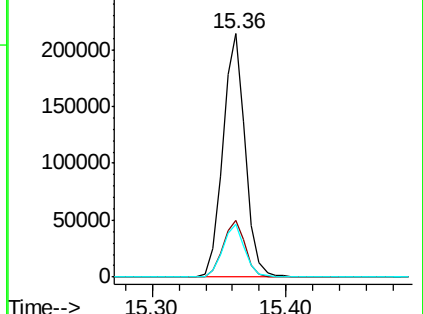
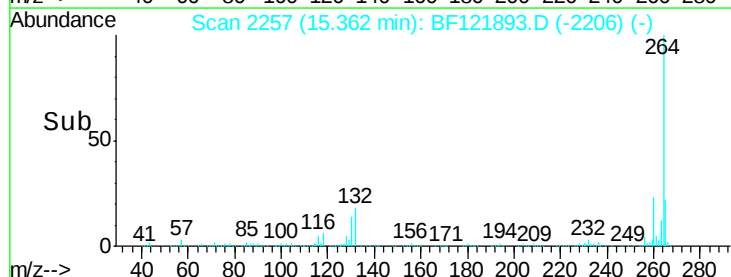
265 21.7 17.3 25.9

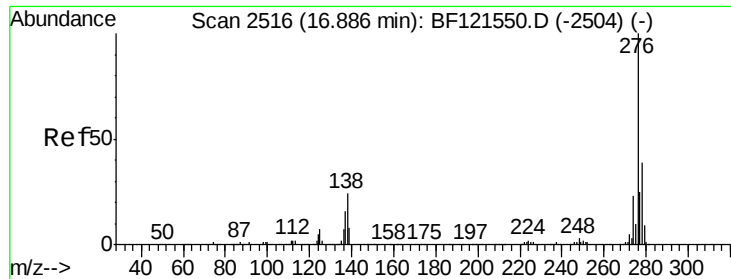


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

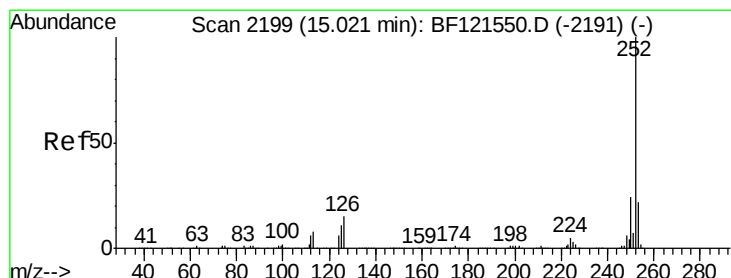
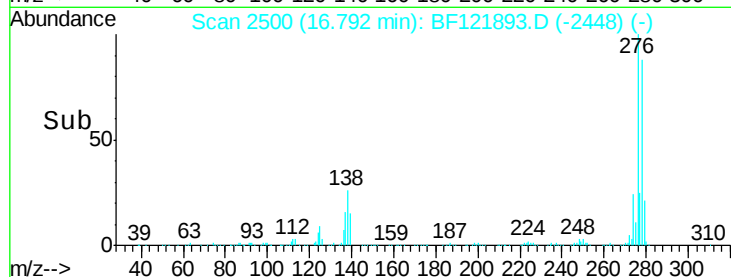
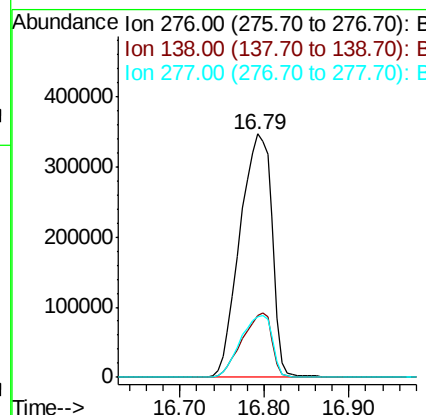
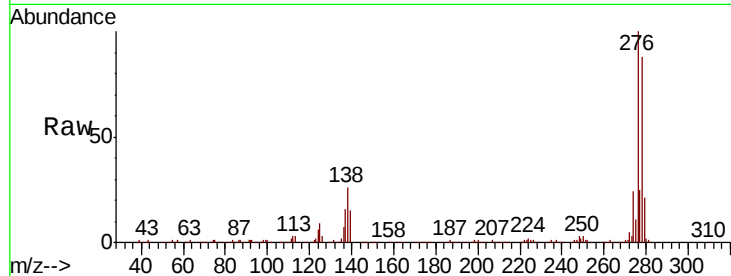




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 56.169 ng
 RT: 16.79 min Scan# 2500
 Delta R.T. 0.01 min
 Lab File: BF121893.D
 Acq: 8 Oct 2020 17:17

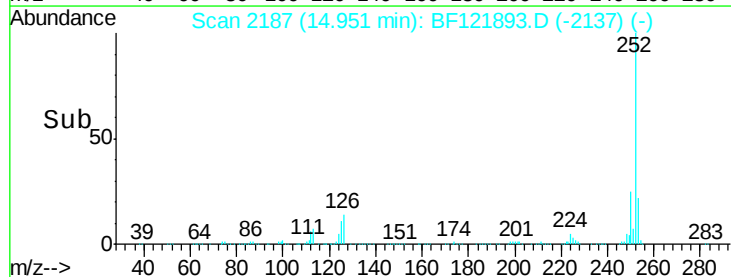
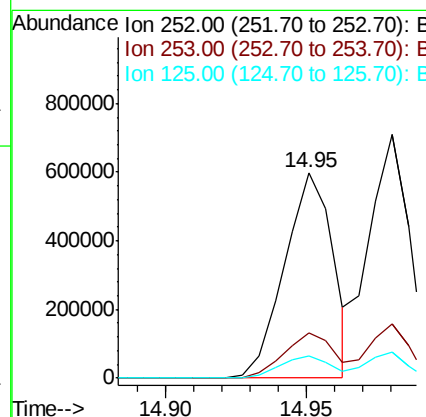
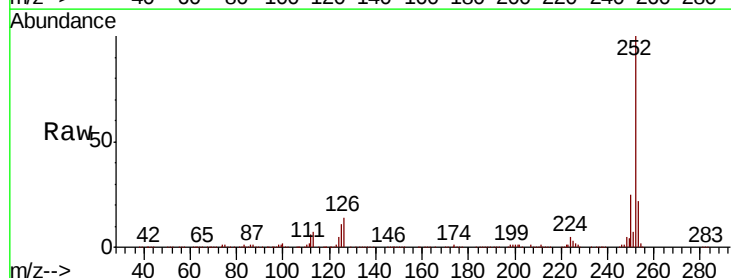
Instrument :
 BNA_F
 ClientSampleId :
 OWLS-HEAD-BH-04-BMS

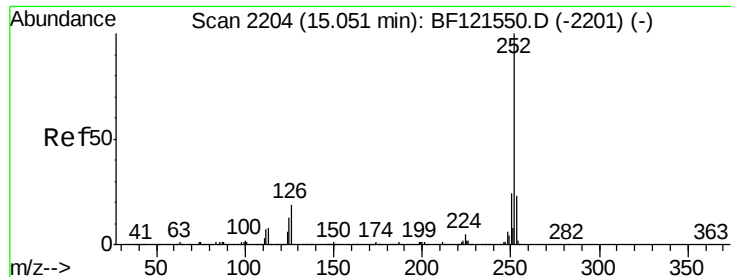
Tot Ion	Ratio	Lower	Upper
276	100		
138	24.7	19.9	29.9
277	25.4	20.4	30.6



#88
 Benzo(b)fluoranthene
 Concen: 42.633 ng
 RT: 14.95 min Scan# 2187
 Delta R.T. -0.01 min
 Lab File: BF121893.D
 Acq: 8 Oct 2020 17:17

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.2	18.2	27.2
125	10.7	8.0	12.0

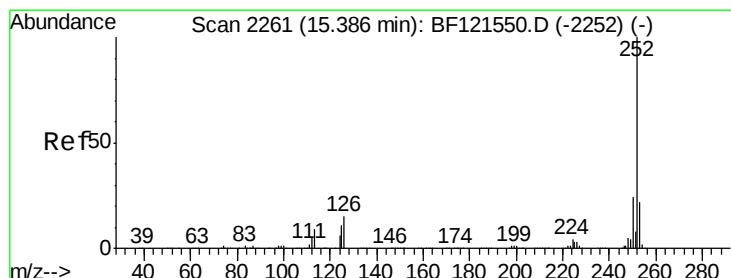
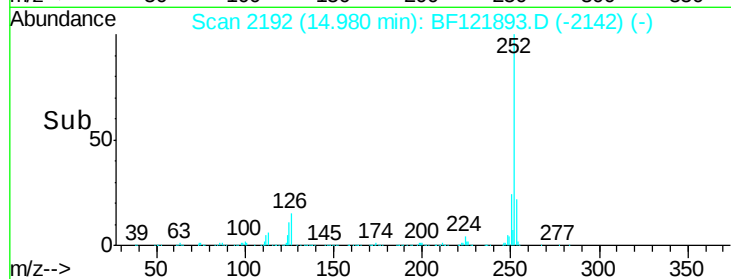
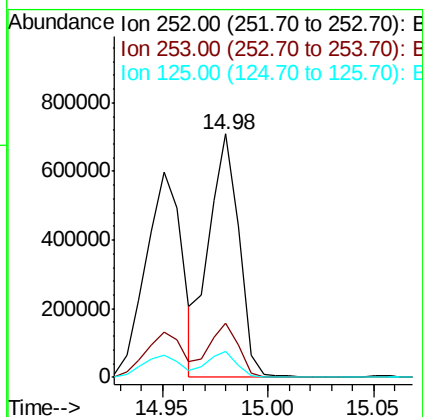
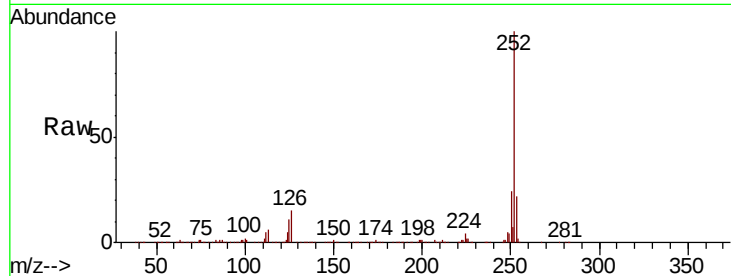




#89
Benzo(k)fluoranthene
Concen: 45.508 ng
RT: 14.98 min Scan# 2192
Delta R.T. -0.01 min
Lab File: BF121893.D
Acq: 8 Oct 2020 17:17

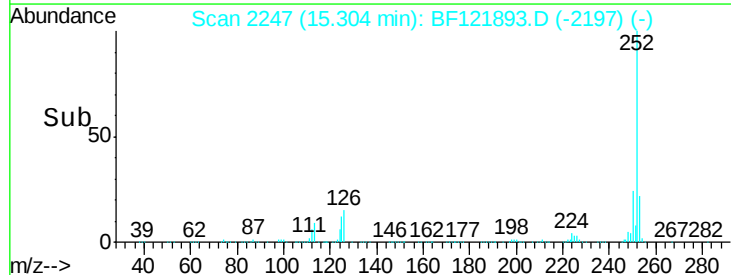
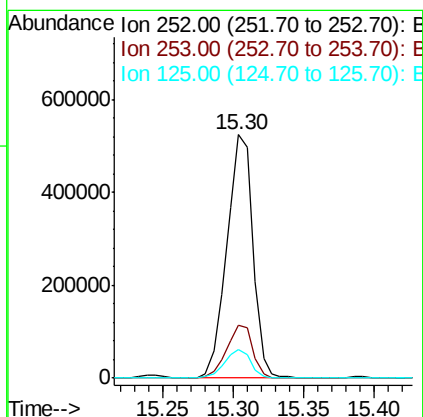
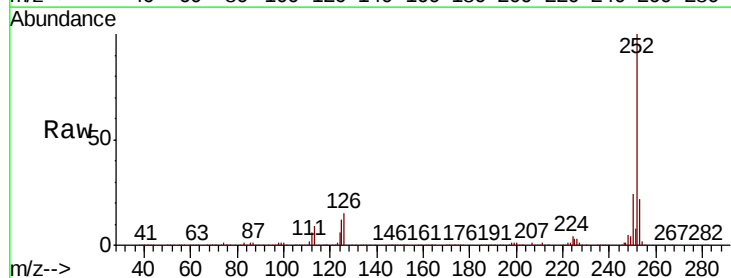
Instrument :
BNA_F
ClientSampleId :
OWLS-HEAD-BH-04-BMS

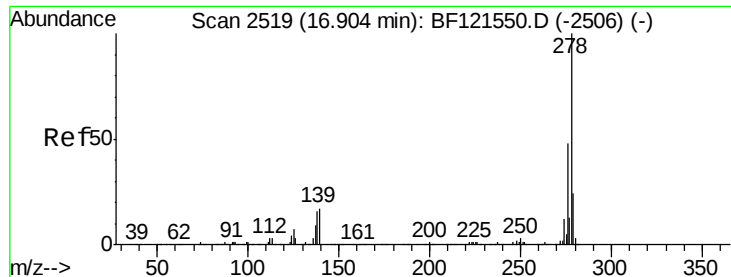
Tot Ion:252 Resp: 699350
Ion Ratio Lower Upper
252 100
253 22.4 17.8 26.6
125 10.8 7.7 11.5



#90
Benzo(a)pyrene
Concen: 47.188 ng
RT: 15.30 min Scan# 2247
Delta R.T. -0.01 min
Lab File: BF121893.D
Acq: 8 Oct 2020 17:17

Tgt Ion:252 Resp: 673135
Ion Ratio Lower Upper
252 100
253 21.9 17.3 25.9
125 12.0 8.6 13.0

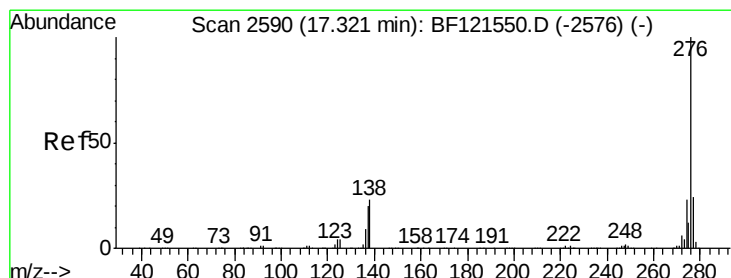
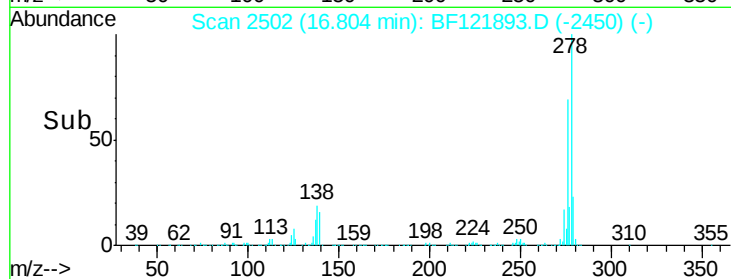
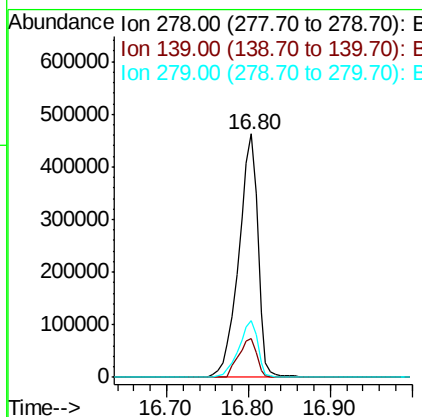
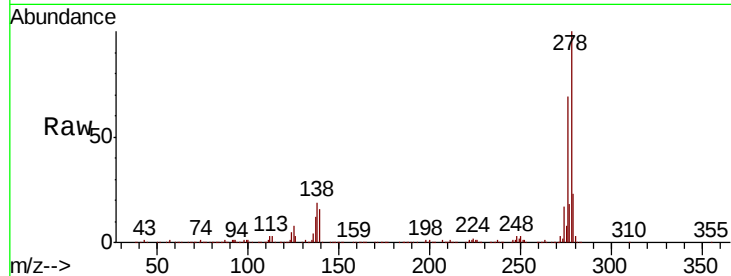




#91
Dibenzo(a,h)anthracene
Concen: 55.200 ng
RT: 16.80 min Scan# 2502
Delta R.T. 0.01 min
Lab File: BF121893.D
Acq: 8 Oct 2020 17:17

Instrument :
BNA_F
ClientSampleId :
OWLS-HEAD-BH-04-BMS

Tot Ion:278 Resp: 751194
Ion Ratio Lower Upper
278 100
139 15.7 13.0 19.4
279 23.3 19.0 28.4



#92
Benzo(g,h,i)perylene
Concen: 58.982 ng
RT: 17.22 min Scan# 2573
Delta R.T. 0.01 min
Lab File: BF121893.D
Acq: 8 Oct 2020 17:17

Tgt Ion:276 Resp: 788992
Ion Ratio Lower Upper
276 100
277 23.5 19.4 29.2
138 21.6 17.8 26.6

