

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF010722\
 Data File : BF126548.D
 Acq On : 7 Jan 2022 18:07
 Operator : JU/CG
 Sample : M5011-17DL 5X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HSB-8-(10-10.5)

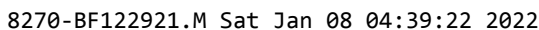
Quant Time: Jan 08 04:39:16 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122921.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 05 01:57:07 2022
 Response via : Initial Calibration

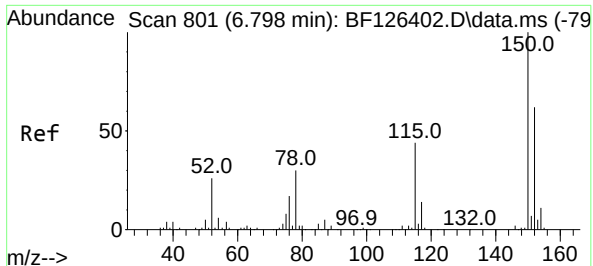
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.781	152	104034	20.000	ng	0.00
21) Naphthalene-d8	8.069	136	367340	20.000	ng	0.00
39) Acenaphthene-d10	9.822	164	197874	20.000	ng	0.00
64) Phenanthrene-d10	11.310	188	315485	20.000	ng	0.00
76) Chrysene-d12	13.951	240	196016	20.000	ng	0.00
86) Perylene-d12	15.410	264	175955	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.393	112	96507	13.322	ng	0.00
7) Phenol-d6	6.410	99	182039	19.401	ng	-0.01
23) Nitrobenzene-d5	7.345	82	122109	17.068	ng	0.00
42) 2,4,6-Tribromophenol	10.610	330	12995	8.499	ng	0.00
45) 2-Fluorobiphenyl	9.139	172	187457	16.671	ng	-0.01
79) Terphenyl-d14	12.892	244	155688	15.432	ng	0.00
Target Compounds						Qvalue
4) n-Nitrosodimethylamine	3.105	42	15688	3.894	ng	# 1
9) Benzaldehyde	6.345	77	32138	5.533	ng	# 1
15) Benzyl Alcohol	6.945	79	14291	2.177	ng	# 43
18) Hexachloroethane	7.322	117	412675	143.732	ng	# 1
19) n-Nitroso-di-n-propyla...	7.175	70	23425	4.375	ng	# 81
22) Acetophenone	7.187	105	502203	59.137	ng	# 50
24) Nitrobenzene	7.363	77	53617	7.489	ng	# 17
25) Isophorone	7.598	82	31663	2.472	ng	# 1
28) bis(2-Chloroethoxy)met...	7.816	93	21924	2.621	ng	# 43
29) 2,4-Dichlorophenol	7.928	162	21074	4.651	ng	# 36
31) Naphthalene	8.092	128	840413	48.471	ng	# 93
32) Benzoic acid	7.863	122	2949	7.774	ng	# 1
35) Caprolactam	8.498	113	36651	31.795	ng	# 1
37) 2-Methylnaphthalene	8.792	142	1482501	144.943	ng	98
38) 1-Methylnaphthalene	8.886	142	858763	86.842	ng	98
52) Acenaphthene	9.857	154	39960	3.656	ng	# 87
54) 2,4-Dinitrophenol	10.039	184	1527	5.062	ng	# 1
56) 4-Nitrophenol	9.928	139	19740	7.588	ng	# 53
58) Fluorene	10.369	166	62482	5.981	ng	# 96
66) n-Nitrosodiphenylamine	10.486	169	65136	6.655	ng	# 60
71) Phenanthrene	11.333	178	224933	13.946	ng	97
72) Anthracene	11.333	178	224933	13.937	ng	98
77) Benzidine	12.639	184	178	Below Cal		# 1
84) Bis(2-ethylhexyl)phtha...	13.939	149	18012	2.368	ng	# 97

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

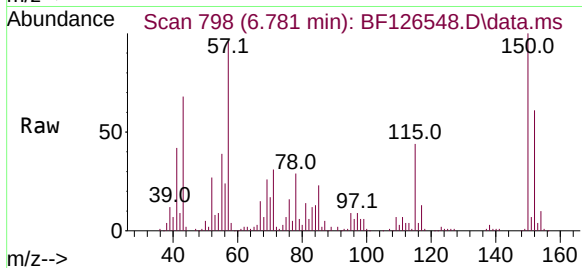
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122921.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 05 01:57:07 2022
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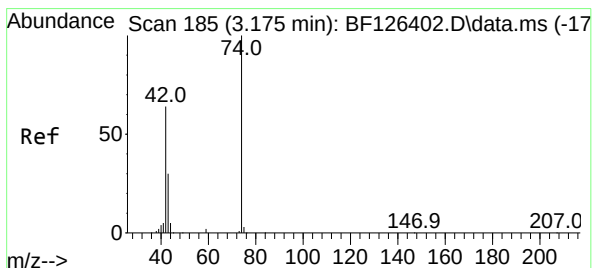
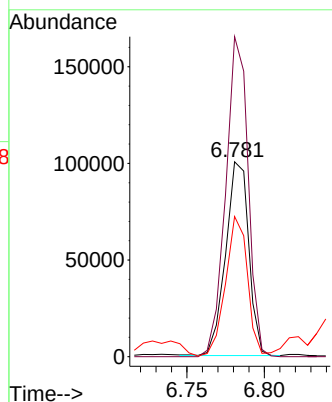
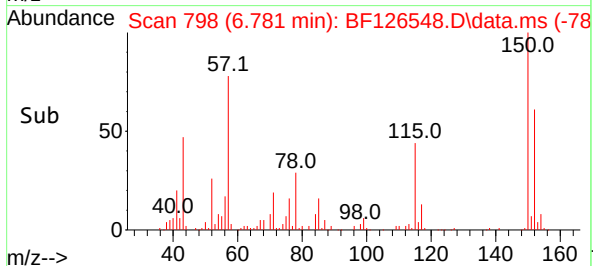


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.781 min Scan# 79
Delta R.T. -0.005 min
Lab File: BF126548.D
Acq: 7 Jan 2022 18:07

Instrument :
BNA_F
ClientSampleId :
HSB-8-(10-10.5)

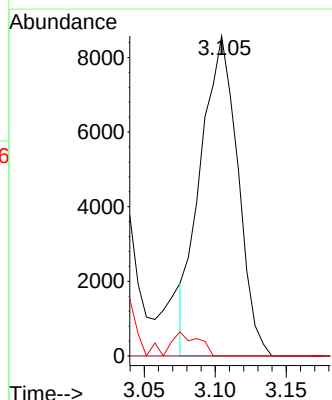
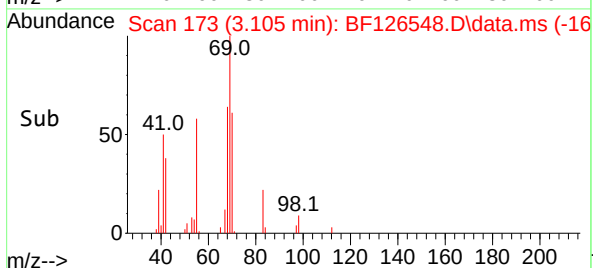
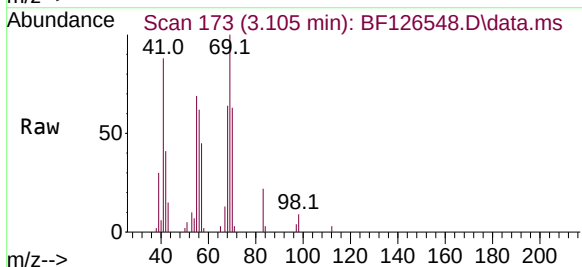


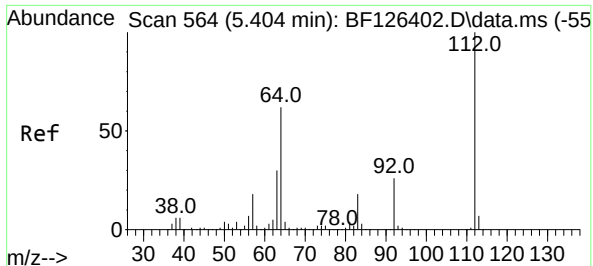
Tgt Ion:152 Resp: 104034
Ion Ratio Lower Upper
152 100
150 164.1 128.1 192.1
115 71.9 56.7 85.1



#4
n-Nitrosodimethylamine
Concen: 3.894 ng
RT: 3.105 min Scan# 173
Delta R.T. -0.059 min
Lab File: BF126548.D
Acq: 7 Jan 2022 18:07

Tgt Ion: 42 Resp: 15688
Ion Ratio Lower Upper
42 100
74 0.0 125.6 188.4#
44 0.0 5.7 8.5#

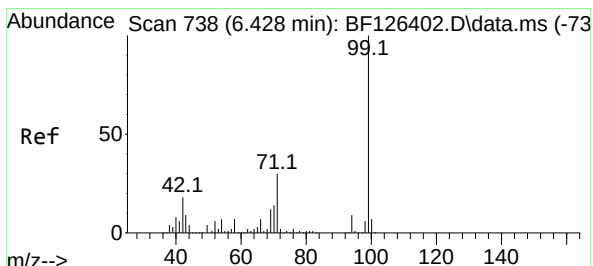
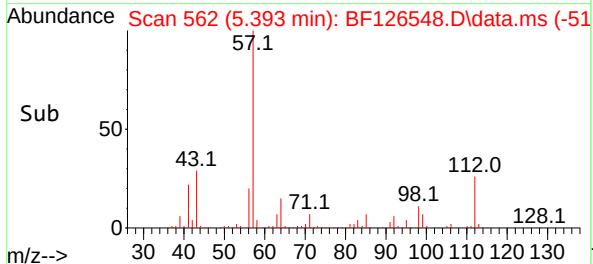
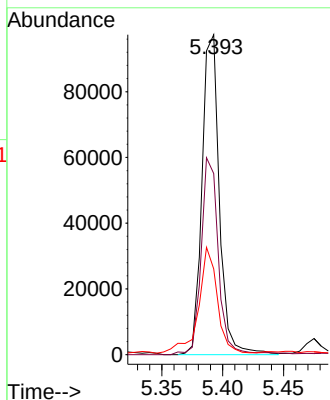
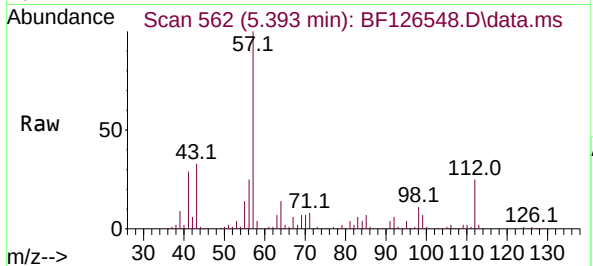




#5
2-Fluorophenol
Concen: 13.322 ng
RT: 5.393 min Scan# 50
Delta R.T. 0.000 min
Lab File: BF126548.D
Acq: 7 Jan 2022 18:07

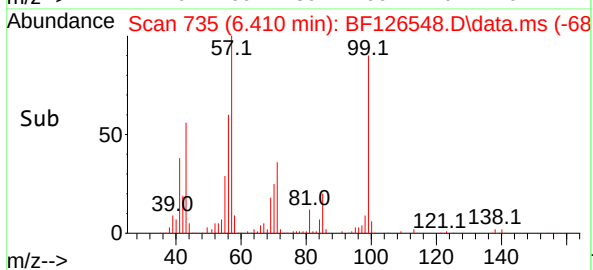
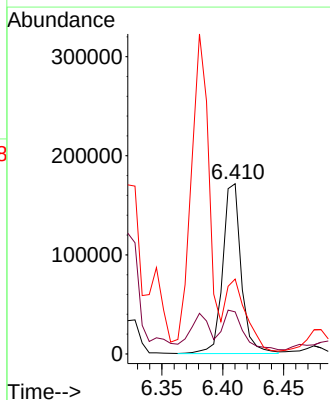
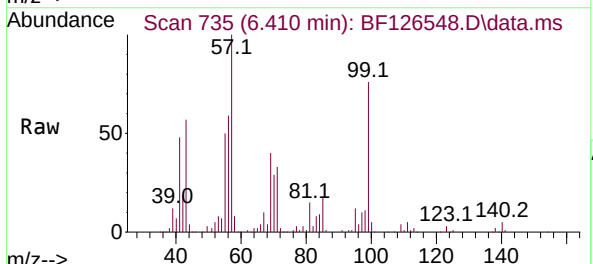
Instrument :
BNA_F
ClientSampleId :
HSB-8-(10-10.5)

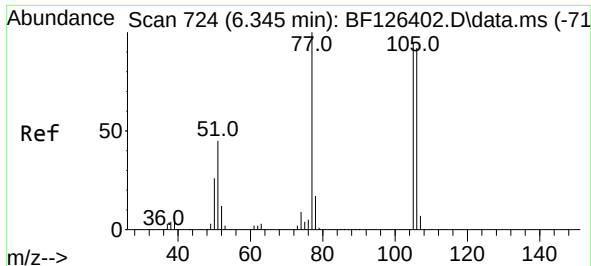
Tgt Ion:112 Resp: 96507
Ion Ratio Lower Upper
112 100
64 56.6 49.5 74.3
63 26.8 23.9 35.9



#7
Phenol-d6
Concen: 19.401 ng
RT: 6.410 min Scan# 735
Delta R.T. -0.012 min
Lab File: BF126548.D
Acq: 7 Jan 2022 18:07

Tgt Ion: 99 Resp: 182039
Ion Ratio Lower Upper
99 100
42 24.7 14.2 21.4#
71 44.0 24.3 36.5#





#9

Benzaldehyde

Concen: 5.533 ng

RT: 6.345 min Scan# 71

Delta R.T. 0.012 min

Lab File: BF126548.D

Acq: 7 Jan 2022 18:07

Instrument :

BNA_F

ClientSampleId :

HSB-8-(10-10.5)

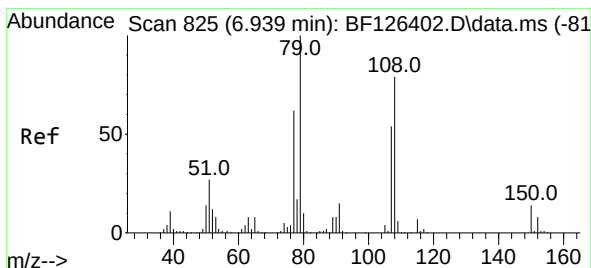
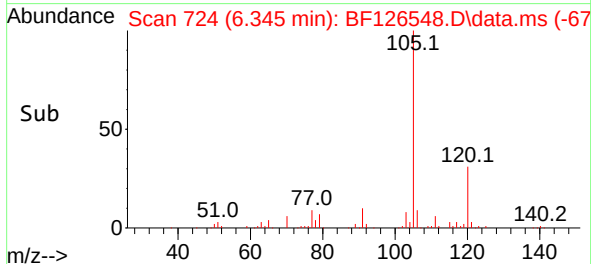
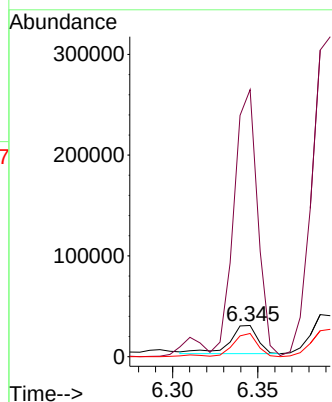
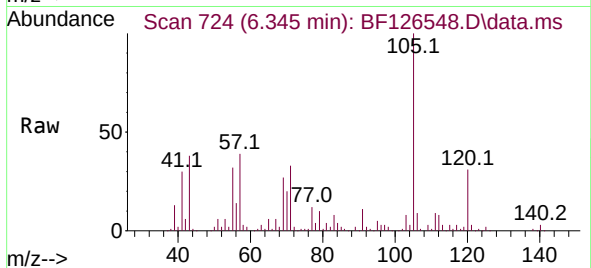
Tgt Ion: 77 Resp: 32138

Ion Ratio Lower Upper

77 100

105 857.3 74.9 114.9#

106 74.3 72.4 112.4



#15

Benzyl Alcohol

Concen: 2.177 ng

RT: 6.945 min Scan# 826

Delta R.T. 0.018 min

Lab File: BF126548.D

Acq: 7 Jan 2022 18:07

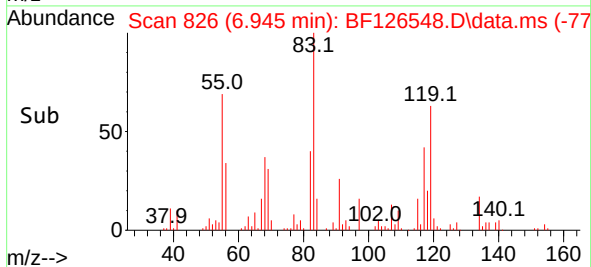
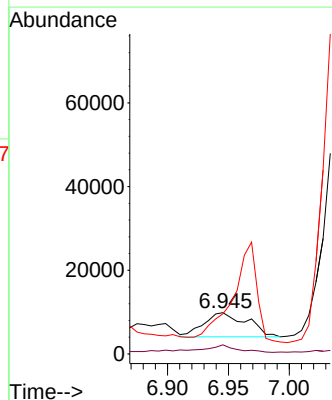
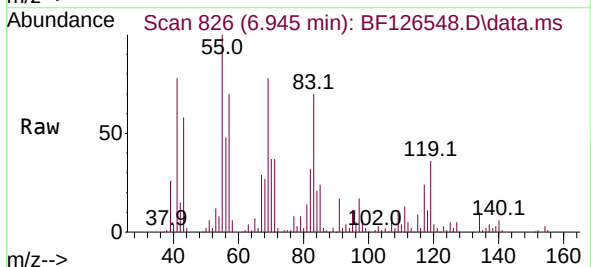
Tgt Ion: 79 Resp: 14291

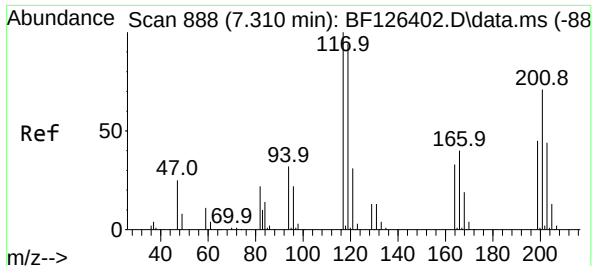
Ion Ratio Lower Upper

79 100

108 22.2 63.2 94.8#

77 97.2 49.4 74.2#

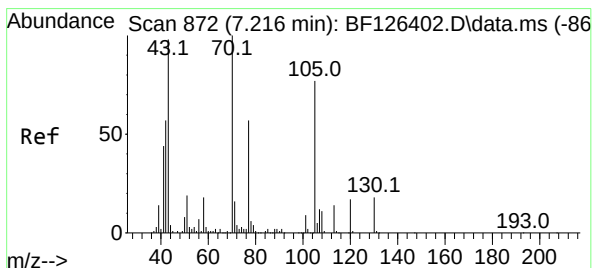
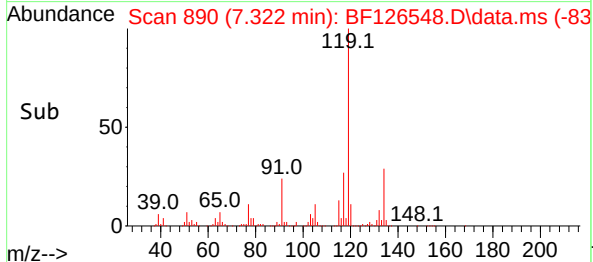
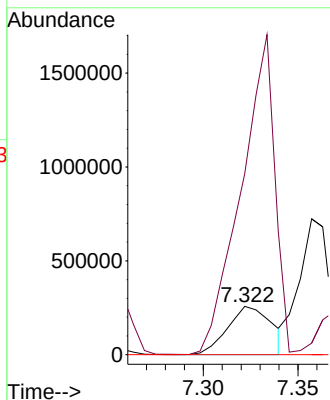
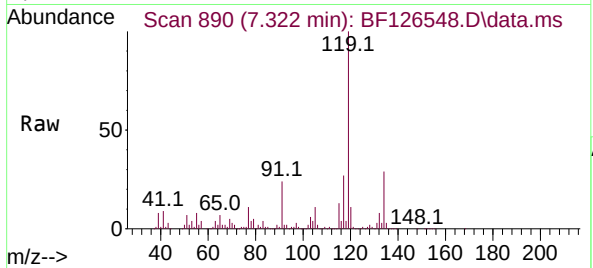




#18
 Hexachloroethane
 Concen: 143.732 ng
 RT: 7.322 min Scan# 890
 Delta R.T. 0.024 min
 Lab File: BF126548.D
 Acq: 7 Jan 2022 18:07

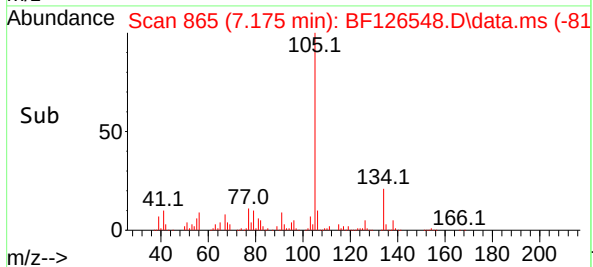
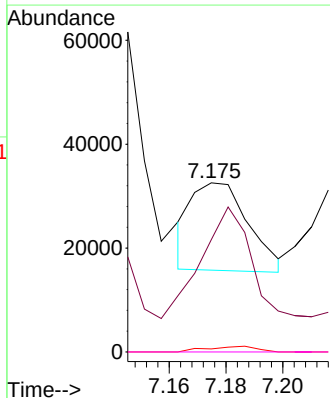
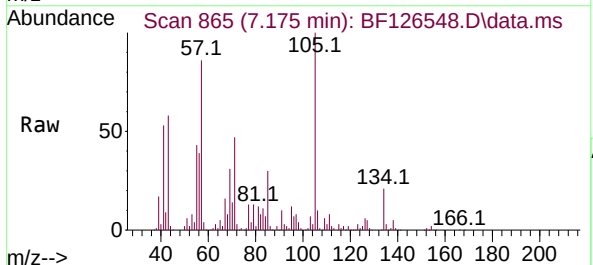
Instrument :
 BNA_F
 ClientSampleId :
 HSB-8-(10-10.5)

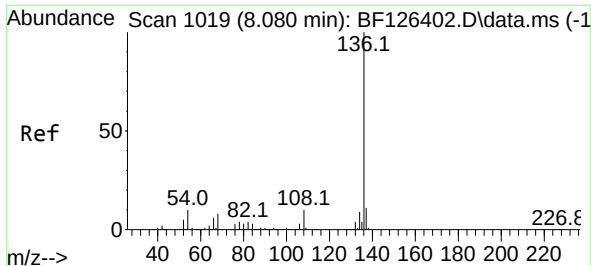
Tgt Ion:117 Resp: 412675
 Ion Ratio Lower Upper
 117 100
 119 375.5 75.4 113.0#
 201 0.0 56.8 85.2#



#19
 n-Nitroso-di-n-propylamine
 Concen: 4.375 ng
 RT: 7.175 min Scan# 865
 Delta R.T. -0.029 min
 Lab File: BF126548.D
 Acq: 7 Jan 2022 18:07

Tgt Ion: 70 Resp: 23425
 Ion Ratio Lower Upper
 70 100
 42 66.4 45.8 68.8
 101 1.8 6.9 10.3#
 130 0.0 14.4 21.6#

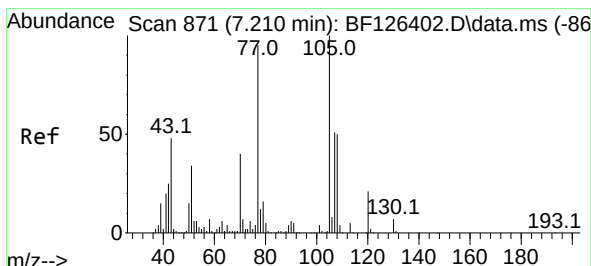
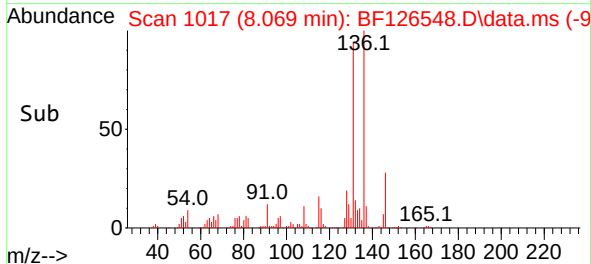
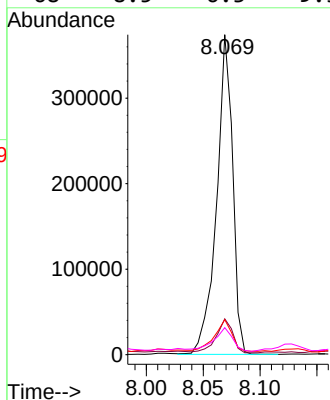
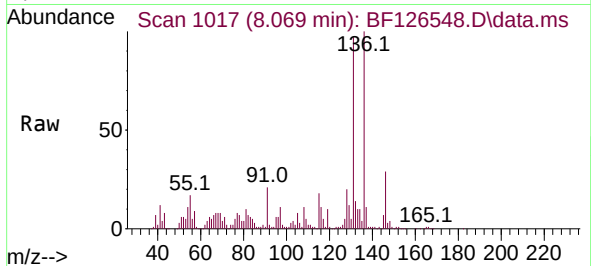




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.069 min Scan# 1019
Delta R.T. 0.000 min
Lab File: BF126548.D
Acq: 7 Jan 2022 18:07

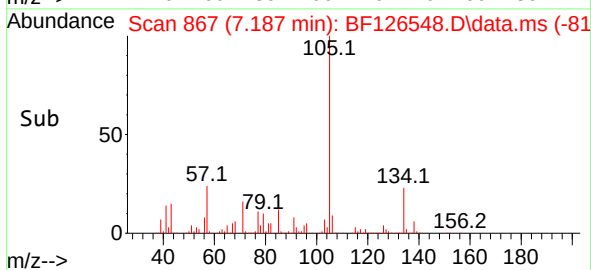
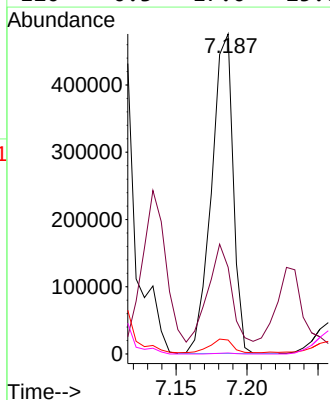
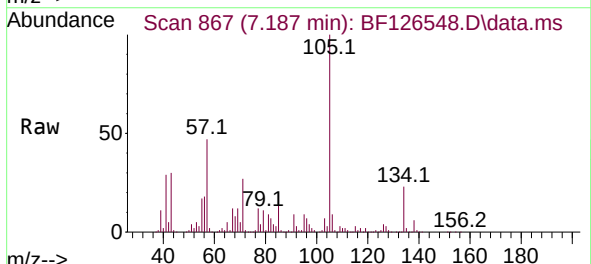
Instrument :
BNA_F
ClientSampleId :
HSB-8-(10-10.5)

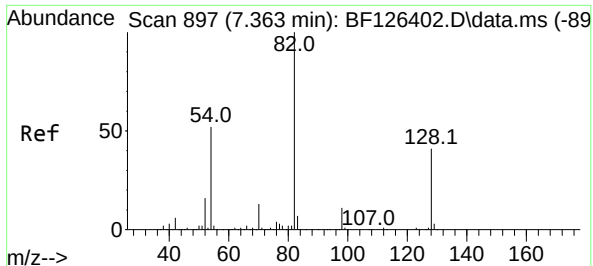
Tgt Ion:136	Resp: 367340
Ion Ratio	Lower Upper
136 100	
137 11.2	8.6 13.0
54 10.9	7.8 11.6
68 8.5	6.3 9.5



#22
Acetophenone
Concen: 59.137 ng
RT: 7.187 min Scan# 867
Delta R.T. -0.012 min
Lab File: BF126548.D
Acq: 7 Jan 2022 18:07

Tgt	Ion:105	Resp:	502203
Ion	Ratio	Lower	Upper
105	100		
71	27.1	5.4	8.0#
51	4.4	27.4	41.0#
120	0.3	17.0	25.6#

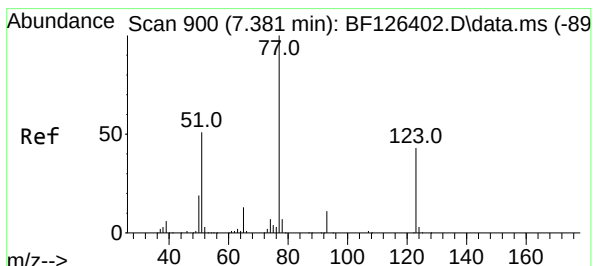
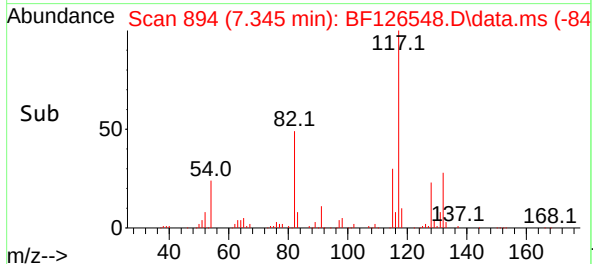
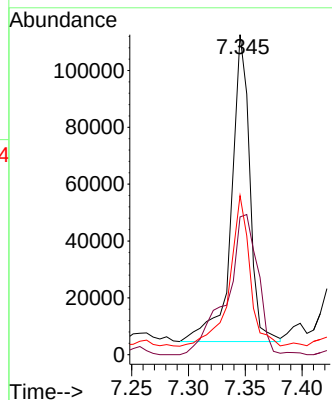
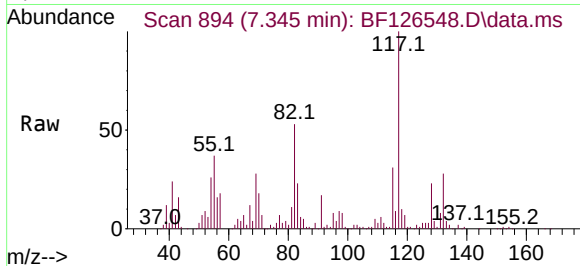




#23
Nitrobenzene-d5
Concen: 17.068 ng
RT: 7.345 min Scan# 894
Delta R.T. -0.006 min
Lab File: BF126548.D
Acq: 7 Jan 2022 18:07

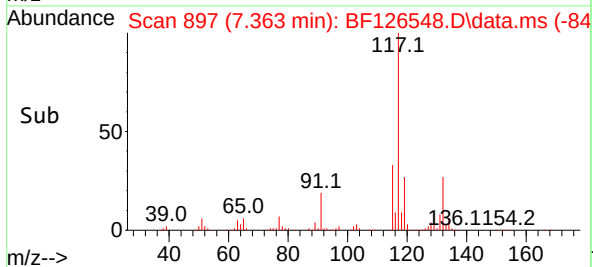
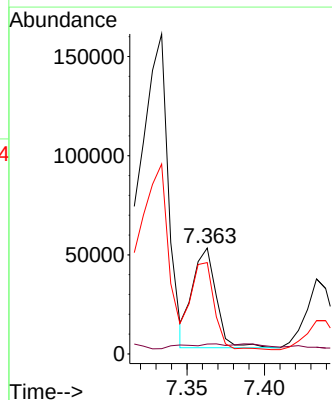
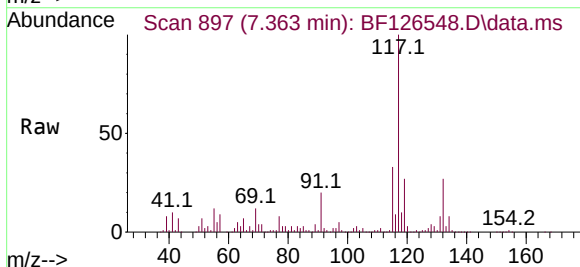
Instrument :
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HSB-8-(10-10.5)

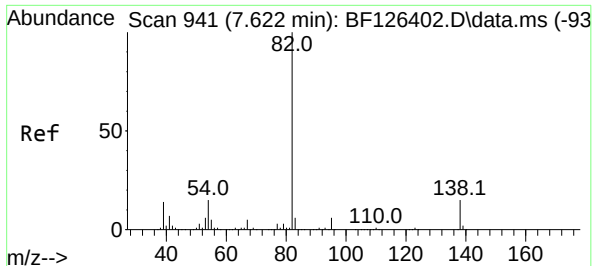
Tgt Ion: 82 Resp: 122109
Ion Ratio Lower Upper
82 100
128 43.1 32.7 49.1
54 49.7 41.7 62.5



#24
Nitrobenzene
Concen: 7.489 ng
RT: 7.363 min Scan# 897
Delta R.T. -0.006 min
Lab File: BF126548.D
Acq: 7 Jan 2022 18:07

Tgt Ion: 77 Resp: 53617
Ion Ratio Lower Upper
77 100
123 9.4 34.6 52.0#
65 86.2 10.6 15.8#

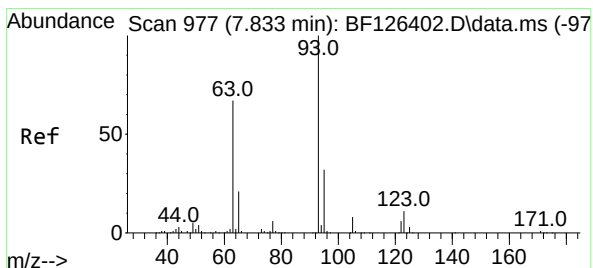
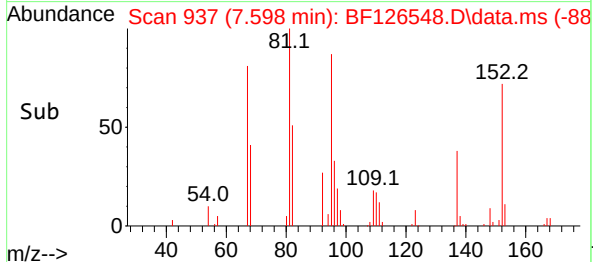
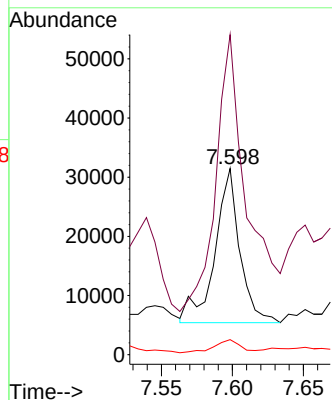
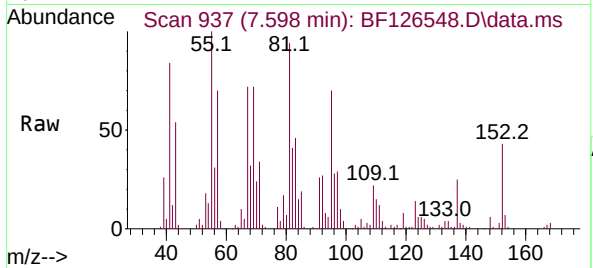




#25
Isophorone
Concen: 2.472 ng
RT: 7.598 min Scan# 91
Delta R.T. -0.012 min
Lab File: BF126548.D
Acq: 7 Jan 2022 18:07

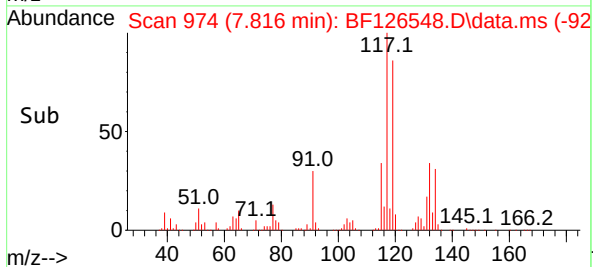
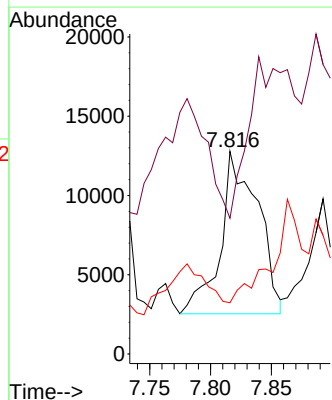
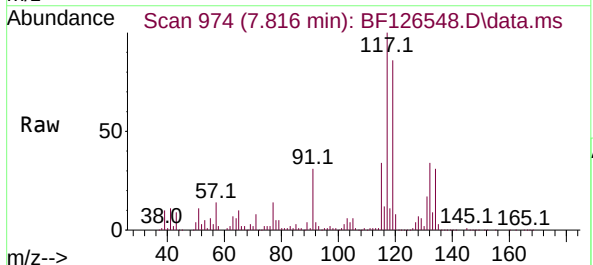
Instrument :
BNA_F
ClientSampleId :
HSB-8-(10-10.5)

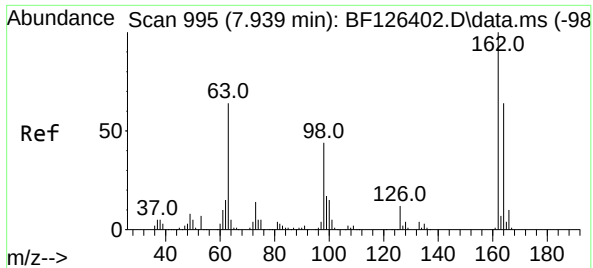
Tgt Ion: 82 Resp: 31663
Ion Ratio Lower Upper
82 100
95 171.9 5.0 7.4#
138 8.1 12.3 18.5#



#28
bis(2-Chloroethoxy)methane
Concen: 2.621 ng
RT: 7.816 min Scan# 974
Delta R.T. -0.006 min
Lab File: BF126548.D
Acq: 7 Jan 2022 18:07

Tgt Ion: 93 Resp: 21924
Ion Ratio Lower Upper
93 100
95 67.0 25.4 38.2#
123 25.3 8.9 13.3#





#29

2,4-Dichlorophenol

Concen: 4.651 ng

RT: 7.928 min Scan# 995

Delta R.T. 0.000 min

Lab File: BF126548.D

Acq: 7 Jan 2022 18:07

Instrument :

BNA_F

ClientSampleId :

HSB-8-(10-10.5)

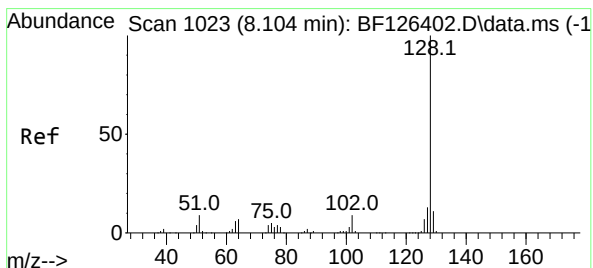
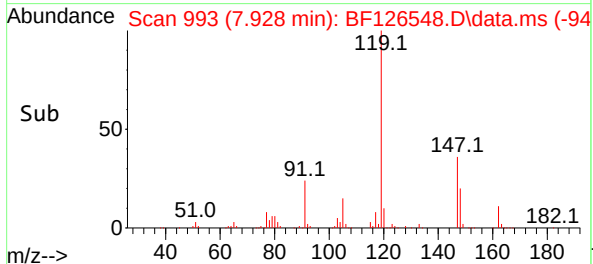
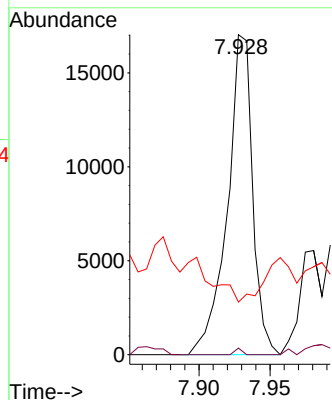
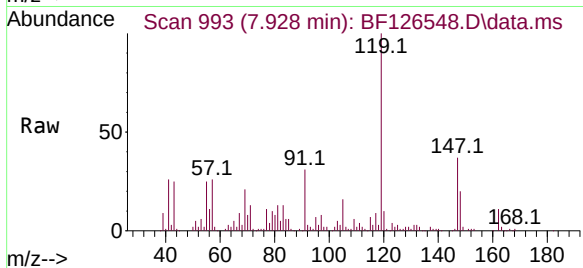
Tgt Ion:162 Resp: 21074

Ion Ratio Lower Upper

162 100

164 2.0 43.8 83.8#

98 16.4 23.6 63.6#



#31

Naphthalene

Concen: 48.471 ng

RT: 8.092 min Scan# 1021

Delta R.T. 0.000 min

Lab File: BF126548.D

Acq: 7 Jan 2022 18:07

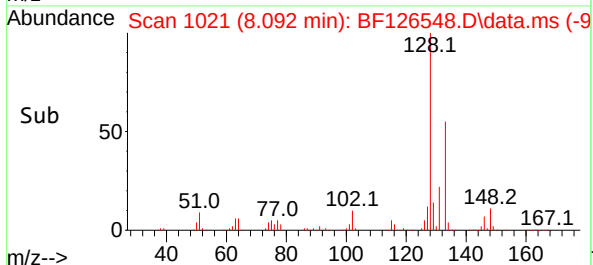
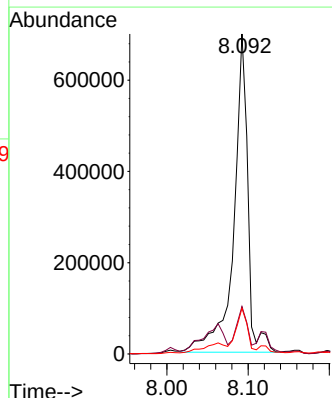
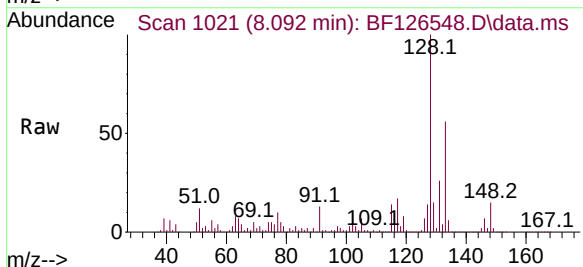
Tgt Ion:128 Resp: 840413

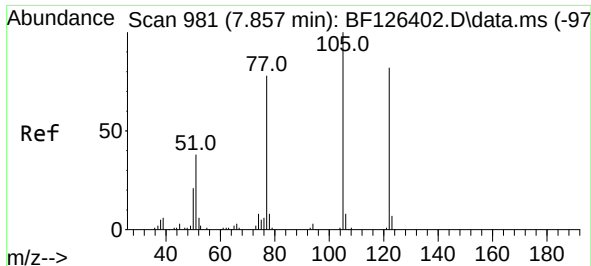
Ion Ratio Lower Upper

128 100

129 14.9 8.6 13.0#

127 14.3 10.3 15.5

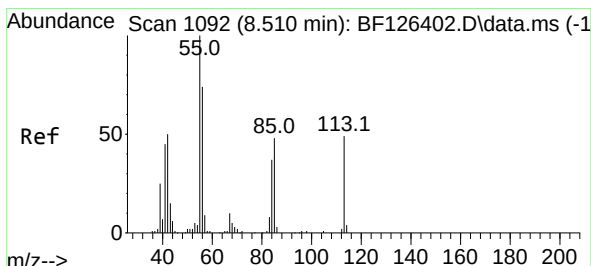
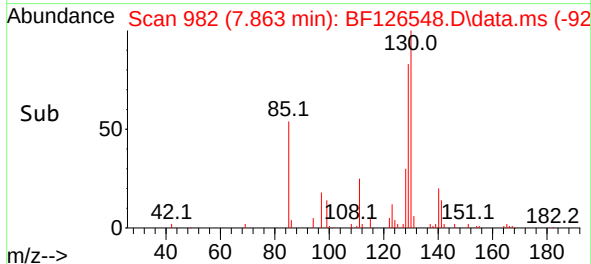
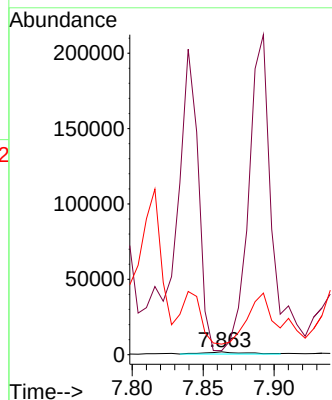
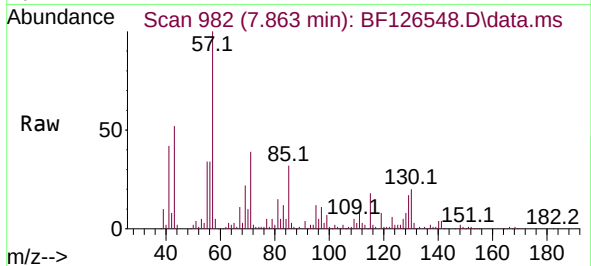




#32
Benzoic acid
Concen: 7.774 ng
RT: 7.863 min Scan# 91
Delta R.T. 0.018 min
Lab File: BF126548.D
Acq: 7 Jan 2022 18:07

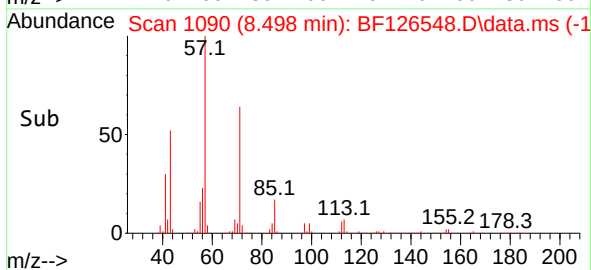
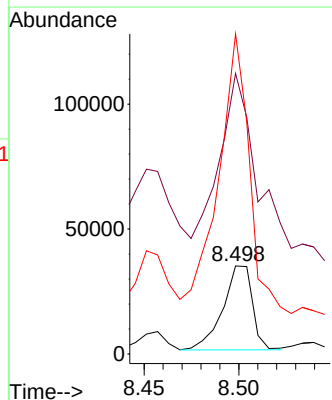
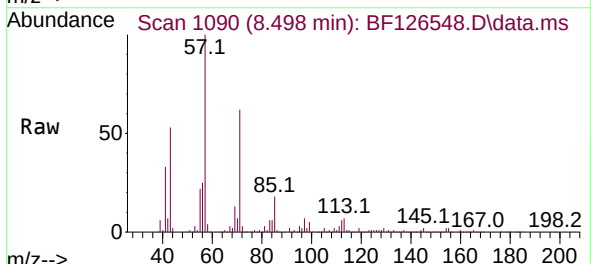
Instrument :
BNA_F
ClientSampleId :
HSB-8-(10-10.5)

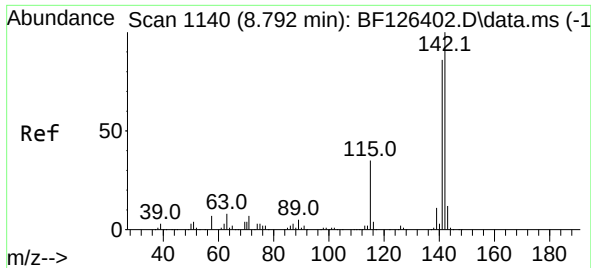
Tgt Ion:122 Resp: 2949
Ion Ratio Lower Upper
122 100
105 136.6 101.0 141.0
77 364.1 74.5 114.5#



#35
Caprolactam
Concen: 31.795 ng
RT: 8.498 min Scan# 1090
Delta R.T. -0.006 min
Lab File: BF126548.D
Acq: 7 Jan 2022 18:07

Tgt Ion:113 Resp: 36651
Ion Ratio Lower Upper
113 100
55 318.6 183.9 223.9#
56 363.6 129.9 169.9#

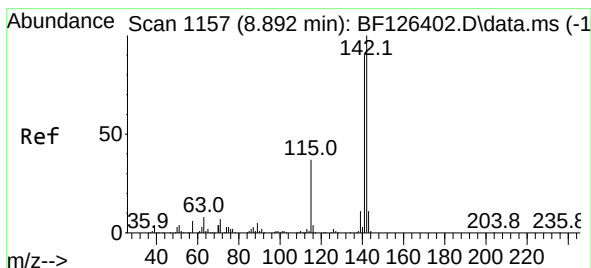
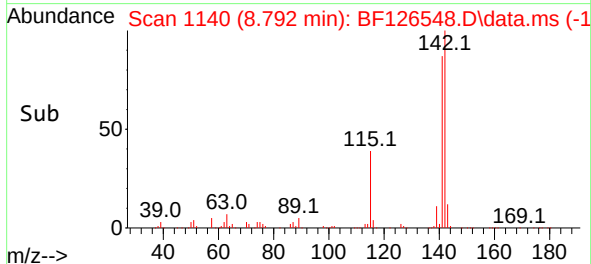
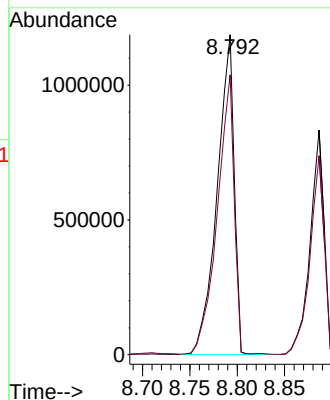
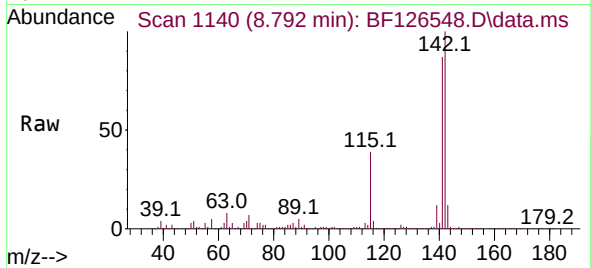




#37
2-Methylnaphthalene
Concen: 144.943 ng
RT: 8.792 min Scan# 1140
Delta R.T. 0.012 min
Lab File: BF126548.D
Acq: 7 Jan 2022 18:07

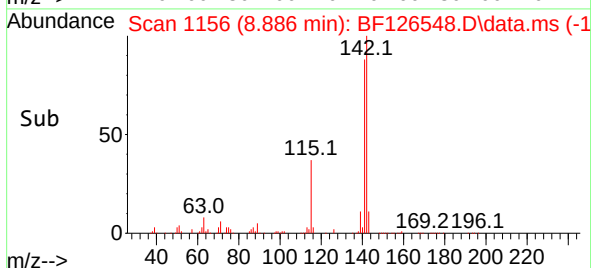
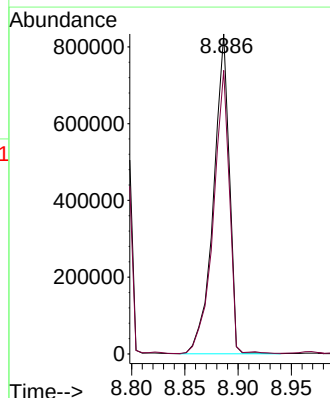
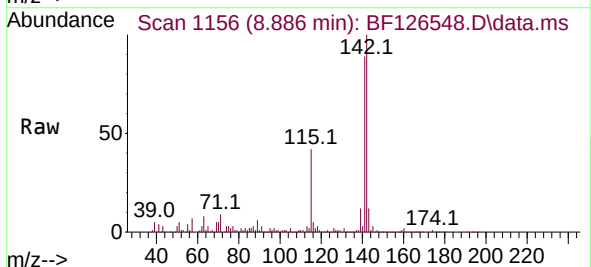
Instrument :
BNA_F
ClientSampleId :
HSB-8-(10-10.5)

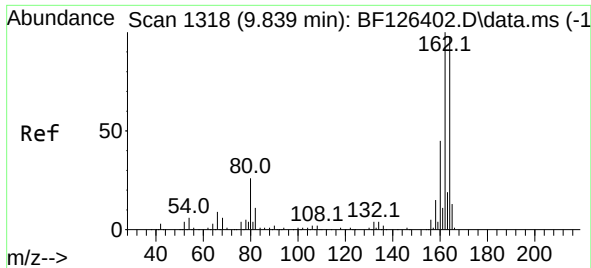
Tgt Ion:142 Resp: 1482501
Ion Ratio Lower Upper
142 100
141 87.5 68.6 102.8



#38
1-Methylnaphthalene
Concen: 86.842 ng
RT: 8.886 min Scan# 1156
Delta R.T. 0.006 min
Lab File: BF126548.D
Acq: 7 Jan 2022 18:07

Tgt Ion:142 Resp: 858763
Ion Ratio Lower Upper
142 100
141 88.6 72.1 108.1

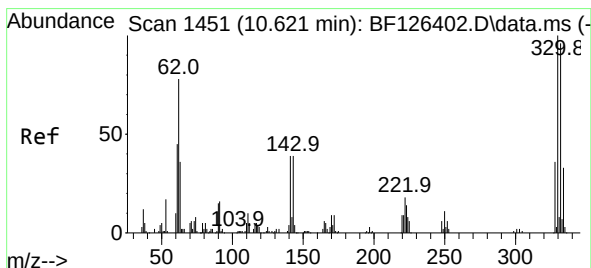
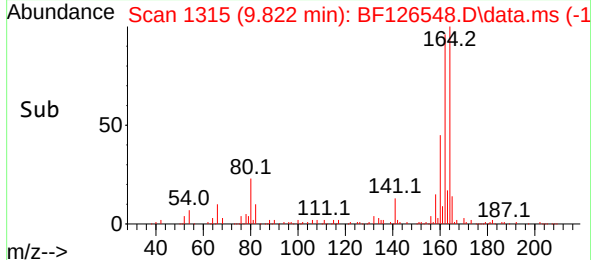
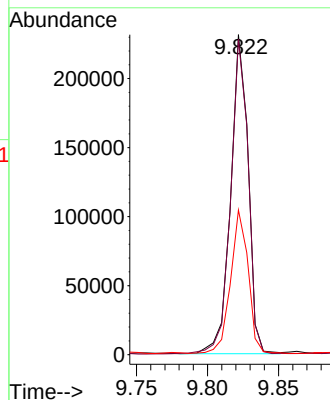
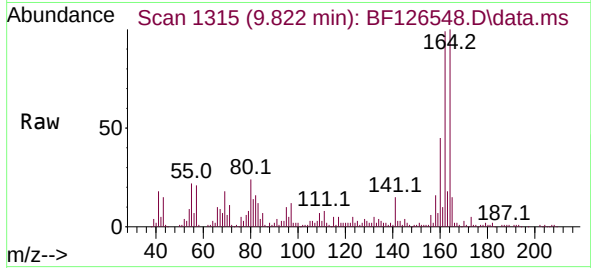




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.822 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF126548.D
Acq: 7 Jan 2022 18:07

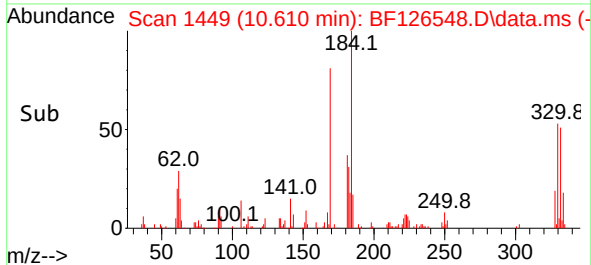
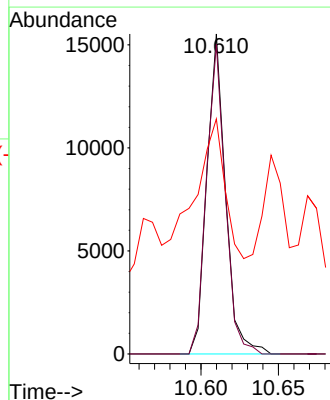
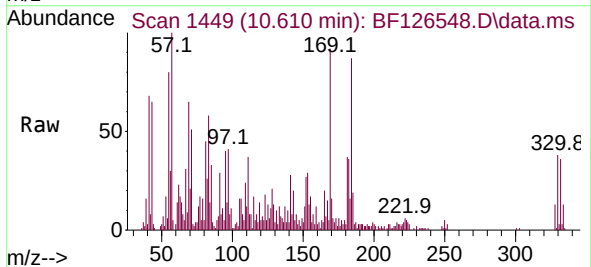
Instrument :
BNA_F
ClientSampleId :
HSB-8-(10-10.5)

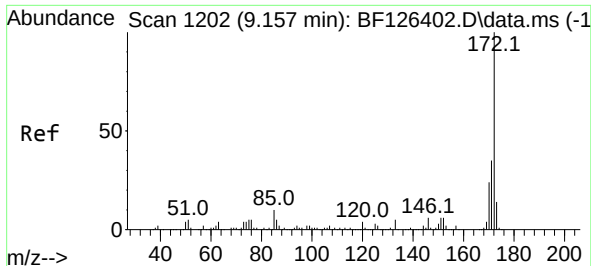
Tgt Ion:164 Resp: 197874
Ion Ratio Lower Upper
164 100
162 98.6 81.4 122.0
160 45.2 36.6 54.8



#42
2,4,6-Tribromophenol
Concen: 8.499 ng
RT: 10.610 min Scan# 1449
Delta R.T. -0.006 min
Lab File: BF126548.D
Acq: 7 Jan 2022 18:07

Tgt Ion:330 Resp: 12995
Ion Ratio Lower Upper
330 100
332 97.1 76.0 114.0
141 67.0 30.1 45.1#

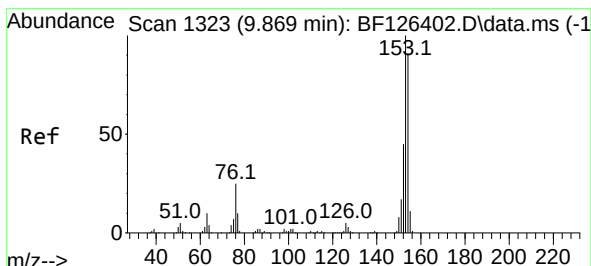
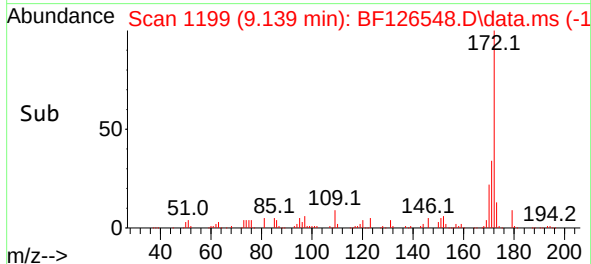
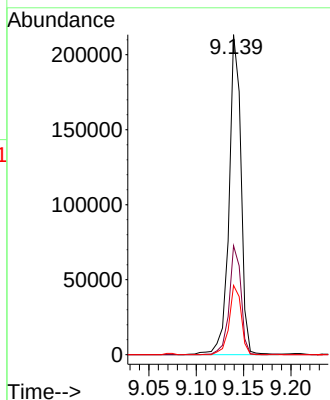
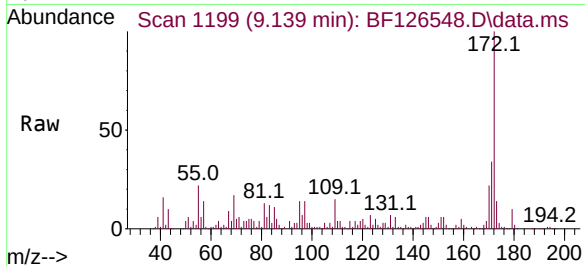




#45
2-Fluorobiphenyl
Concen: 16.671 ng
RT: 9.139 min Scan# 1199
Delta R.T. -0.012 min
Lab File: BF126548.D
Acq: 7 Jan 2022 18:07

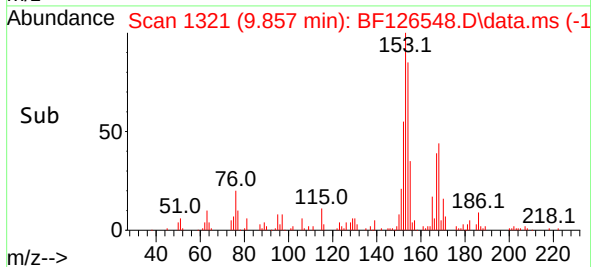
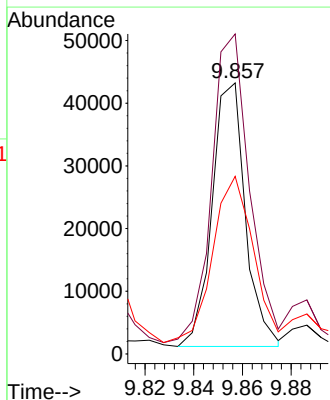
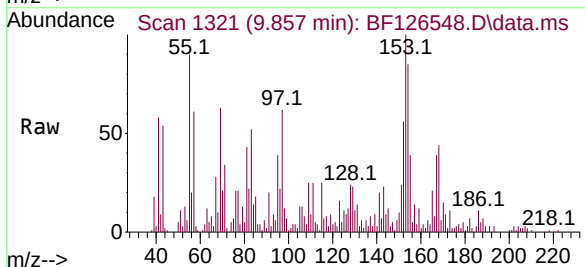
Instrument :
BNA_F
ClientSampleId :
HSB-8-(10-10.5)

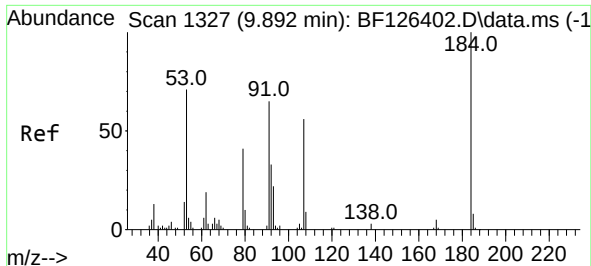
Tgt Ion:172 Resp: 187457
Ion Ratio Lower Upper
172 100
171 34.1 28.3 42.5
170 21.7 19.0 28.6



#52
Acenaphthene
Concen: 3.656 ng
RT: 9.857 min Scan# 1321
Delta R.T. -0.006 min
Lab File: BF126548.D
Acq: 7 Jan 2022 18:07

Tgt Ion:154 Resp: 39960
Ion Ratio Lower Upper
154 100
153 118.0 87.8 131.6
152 65.5 39.4 59.2#

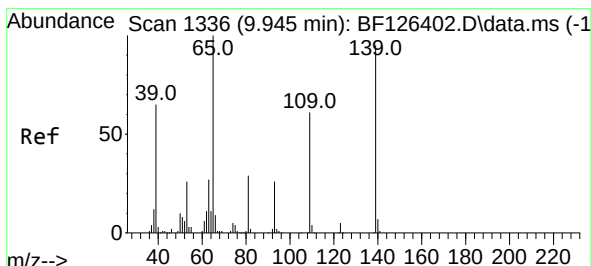
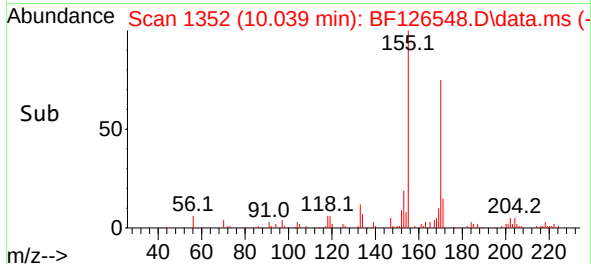
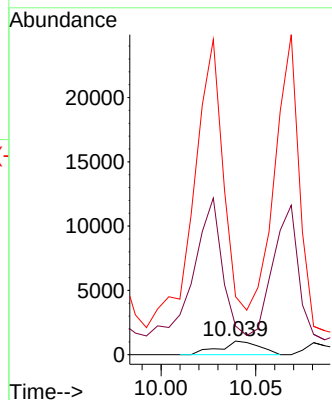
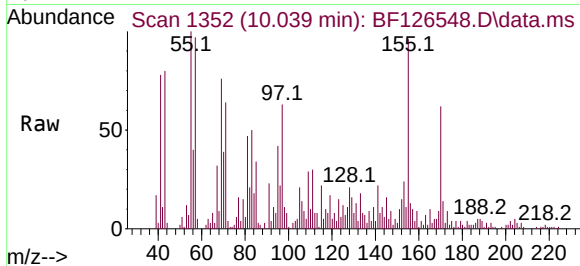




#54
2,4-Dinitrophenol
Concen: 5.062 ng
RT: 10.039 min Scan# 11
Delta R.T. 0.153 min
Lab File: BF126548.D
Acq: 7 Jan 2022 18:07

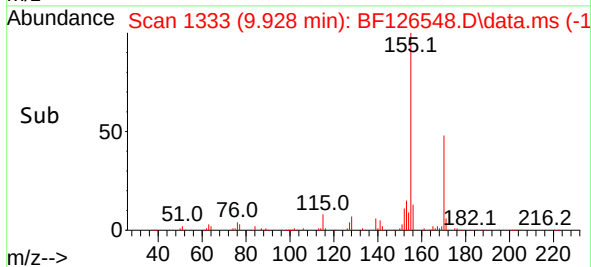
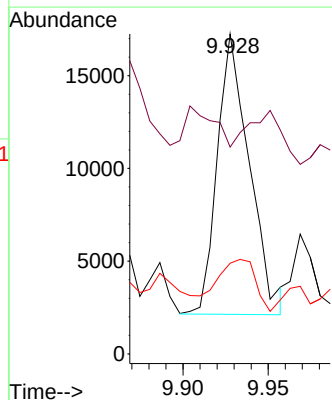
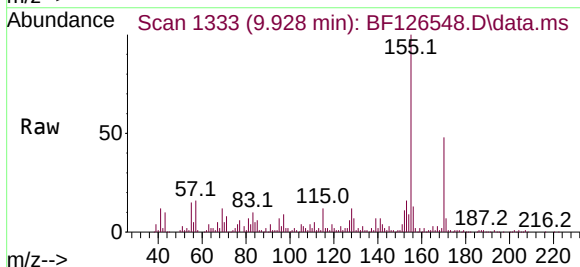
Instrument :
BNA_F
ClientSampleId :
HSB-8-(10-10.5)

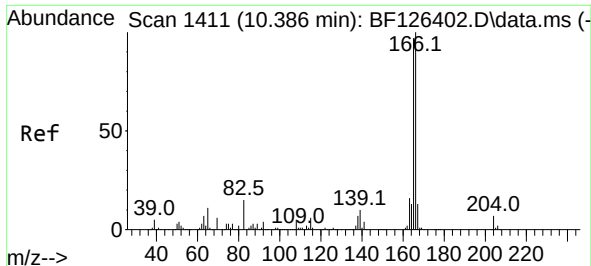
Tgt Ion:184 Resp: 1527
Ion Ratio Lower Upper
184 100
63 212.0 70.4 105.6#
154 429.7 49.7 74.5#



#56
4-Nitrophenol
Concen: 7.588 ng
RT: 9.928 min Scan# 1333
Delta R.T. -0.012 min
Lab File: BF126548.D
Acq: 7 Jan 2022 18:07

Tgt Ion:139 Resp: 19740
Ion Ratio Lower Upper
139 100
109 64.7 44.1 84.1
65 28.4 85.5 125.5#

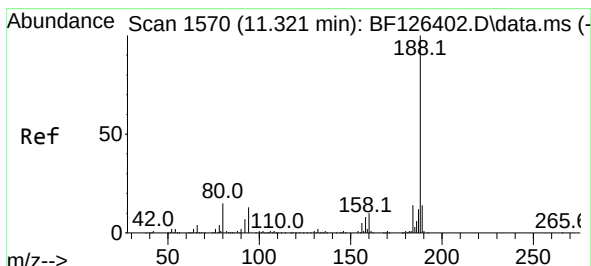
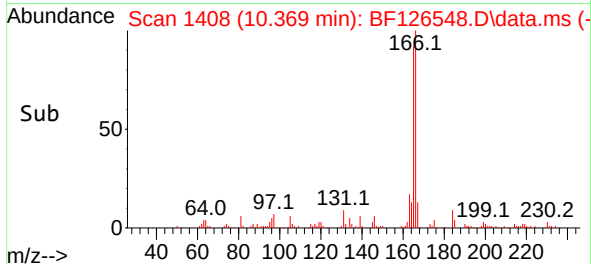
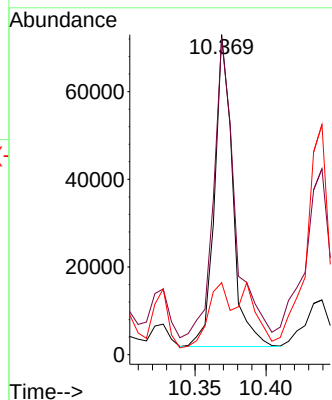
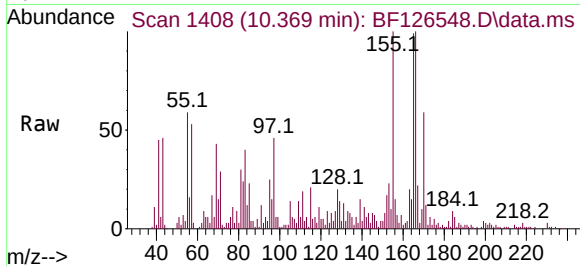




#58
Fluorene
Concen: 5.981 ng
RT: 10.369 min Scan# 1411
Delta R.T. -0.006 min
Lab File: BF126548.D
Acq: 7 Jan 2022 18:07

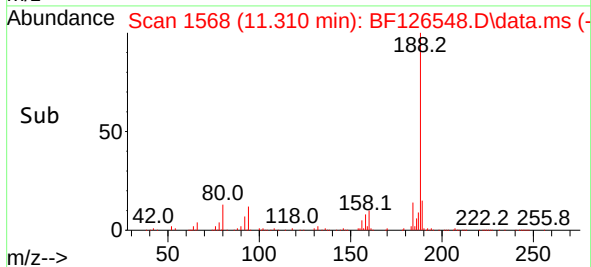
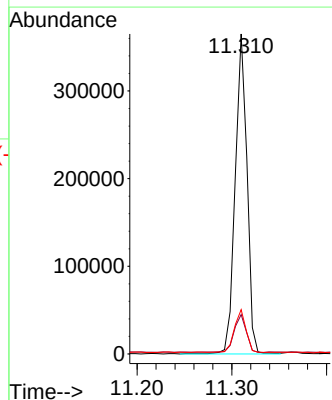
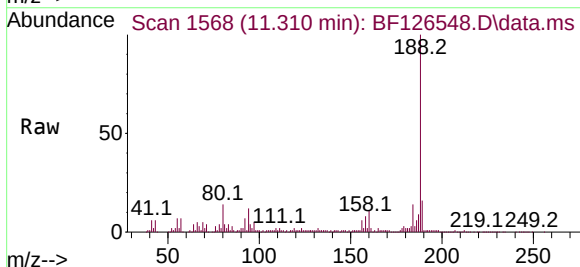
Instrument :
BNA_F
ClientSampleId :
HSB-8-(10-10.5)

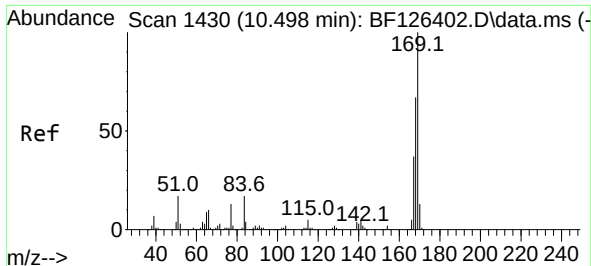
Tgt Ion:166 Resp: 62482
Ion Ratio Lower Upper
166 100
165 99.0 77.7 116.5
167 22.5 10.7 16.1#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.310 min Scan# 1568
Delta R.T. 0.000 min
Lab File: BF126548.D
Acq: 7 Jan 2022 18:07

Tgt Ion:188 Resp: 315485
Ion Ratio Lower Upper
188 100
94 12.3 10.1 15.1
80 13.8 11.8 17.6

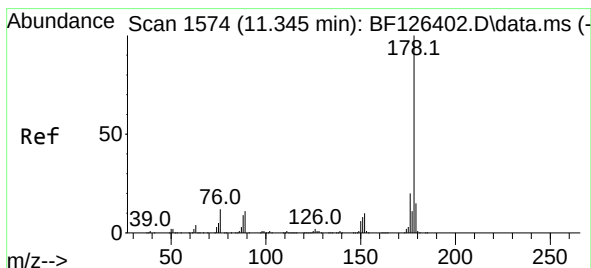
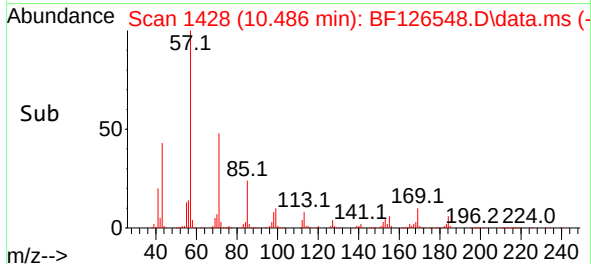
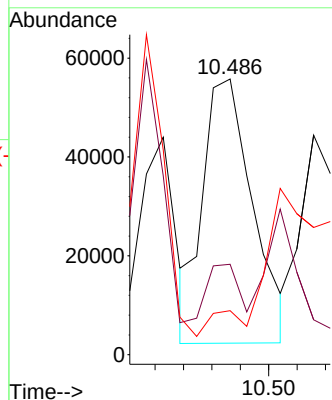
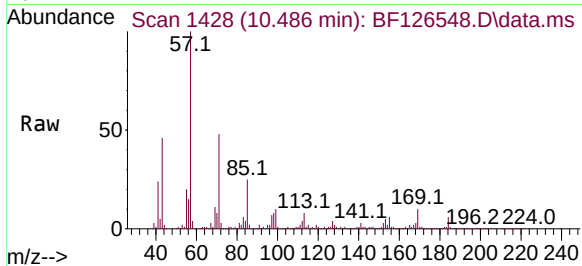




#66
n-Nitrosodiphenylamine
Concen: 6.655 ng
RT: 10.486 min Scan# 1428
Delta R.T. 0.000 min
Lab File: BF126548.D
Acq: 7 Jan 2022 18:07

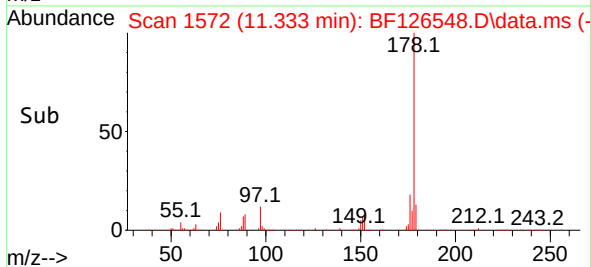
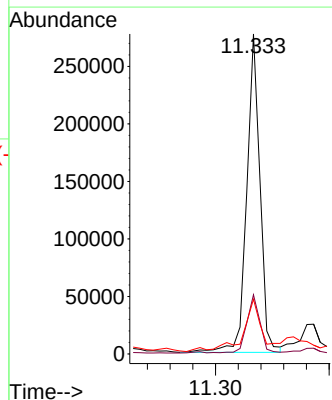
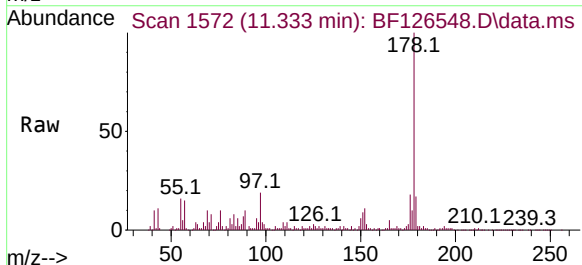
Instrument :
BNA_F
ClientSampleId :
HSB-8-(10-10.5)

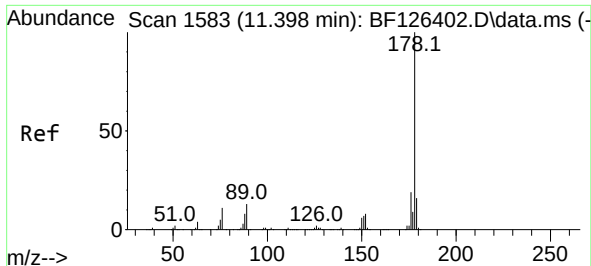
Tgt Ion:169 Resp: 65136
Ion Ratio Lower Upper
169 100
168 32.8 53.4 80.0#
167 16.0 29.4 44.0#



#71
Phenanthrene
Concen: 13.946 ng
RT: 11.333 min Scan# 1572
Delta R.T. 0.000 min
Lab File: BF126548.D
Acq: 7 Jan 2022 18:07

Tgt Ion:178 Resp: 224933
Ion Ratio Lower Upper
178 100
176 18.5 15.7 23.5
179 17.1 12.3 18.5

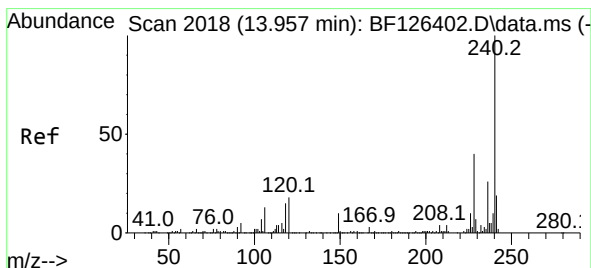
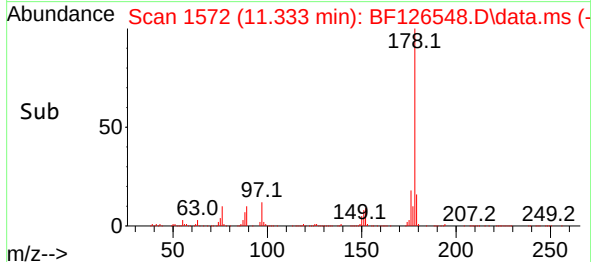
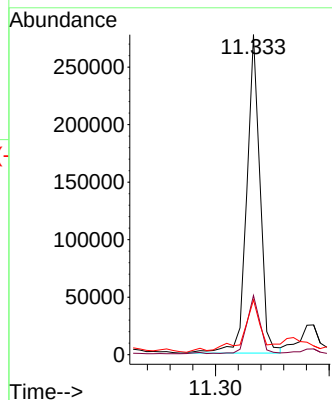
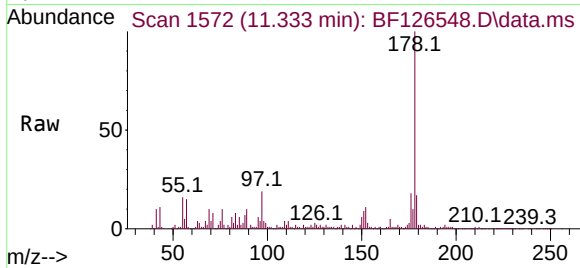




#72
 Anthracene
 Concen: 13.937 ng
 RT: 11.333 min Scan# 11
 Delta R.T. -0.053 min
 Lab File: BF126548.D
 Acq: 7 Jan 2022 18:07

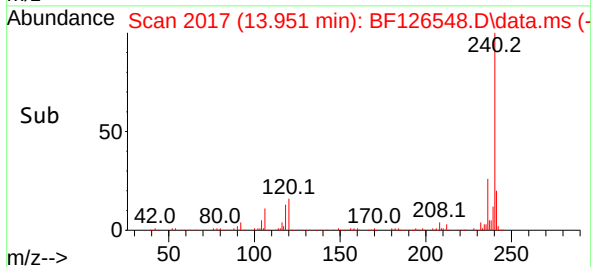
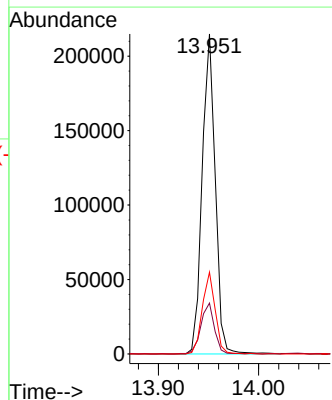
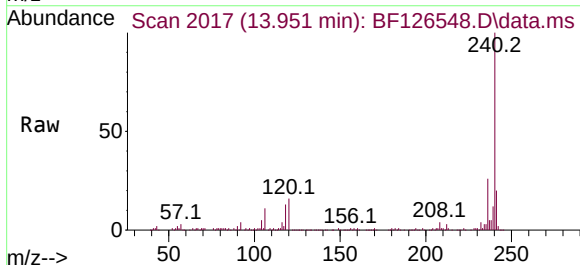
Instrument :
 BNA_F
 ClientSampleId :
 HSB-8-(10-10.5)

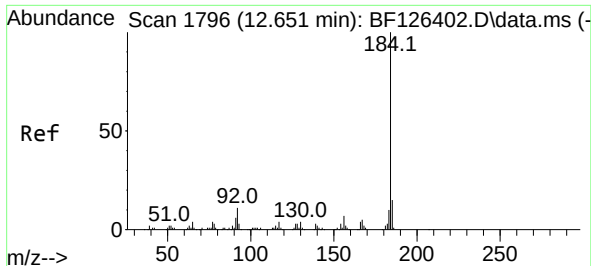
Tgt Ion:178 Resp: 224933
 Ion Ratio Lower Upper
 178 100
 176 18.5 15.0 22.6
 179 17.1 12.5 18.7



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.951 min Scan# 2017
 Delta R.T. 0.000 min
 Lab File: BF126548.D
 Acq: 7 Jan 2022 18:07

Tgt Ion:240 Resp: 196016
 Ion Ratio Lower Upper
 240 100
 120 15.9 14.4 21.6
 236 25.5 20.5 30.7

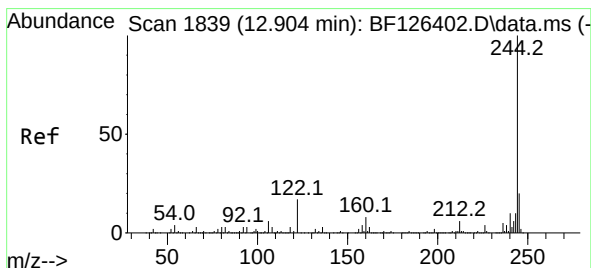
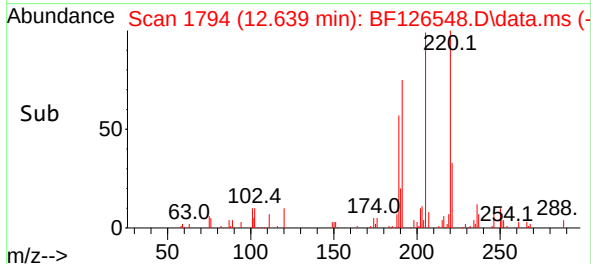
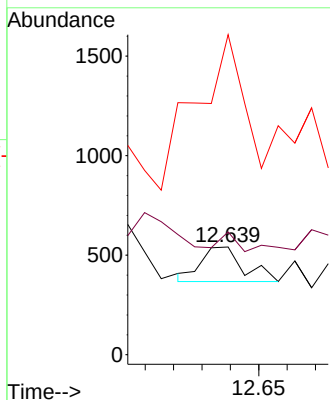
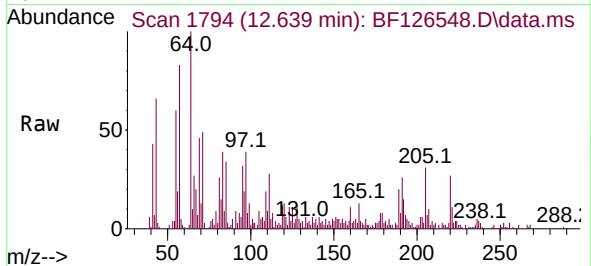




#77
Benzidine
Concen: Below Cal
RT: 12.639 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF126548.D
Acq: 7 Jan 2022 18:07

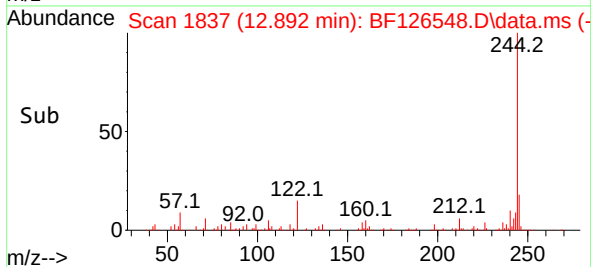
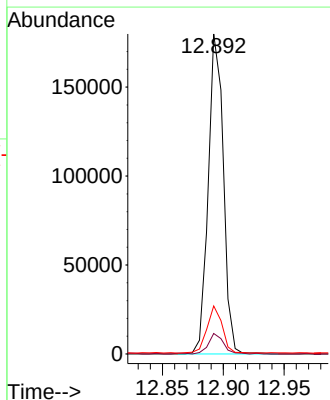
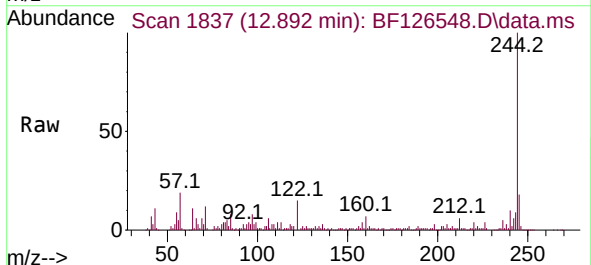
Instrument :
BNA_F
ClientSampleId :
HSB-8-(10-10.5)

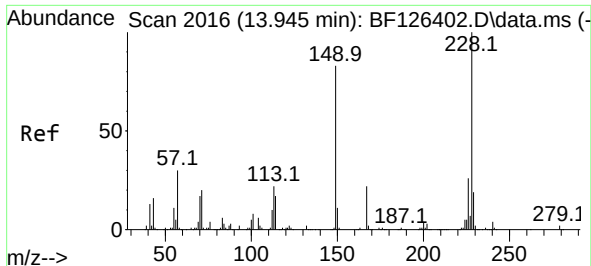
Tgt Ion:184 Resp: 178
Ion Ratio Lower Upper
184 100
185 114.0 11.8 17.8#
183 297.2 8.2 12.2#



#79
Terphenyl-d14
Concen: 15.432 ng
RT: 12.892 min Scan# 1837
Delta R.T. -0.006 min
Lab File: BF126548.D
Acq: 7 Jan 2022 18:07

Tgt Ion:244 Resp: 155688
Ion Ratio Lower Upper
244 100
212 6.4 5.0 7.4
122 15.0 13.3 19.9

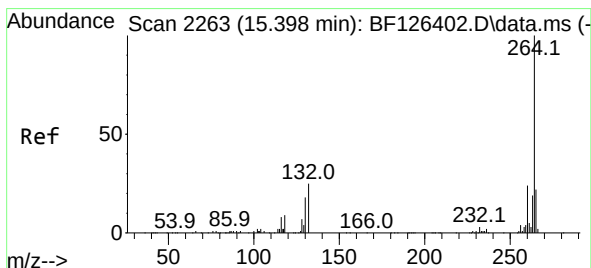
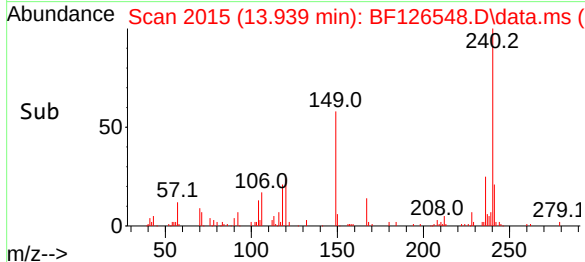
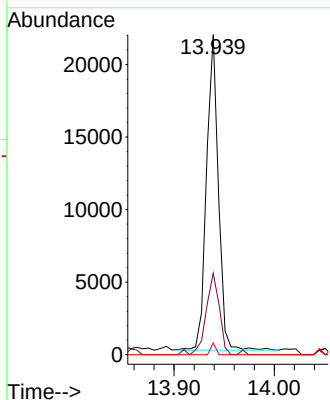
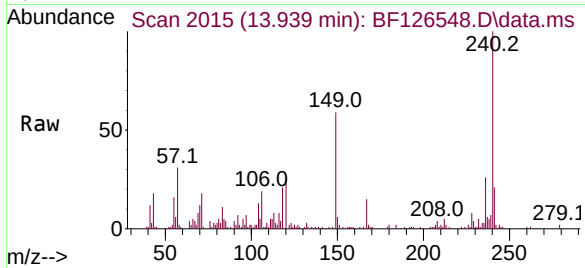




#84
Bis(2-ethylhexyl)phthalate
Concen: 2.368 ng
RT: 13.939 min Scan# 2016
Delta R.T. 0.006 min
Lab File: BF126548.D
Acq: 7 Jan 2022 18:07

Instrument :
BNA_F
ClientSampleId :
HSB-8-(10-10.5)

Tgt Ion:149 Resp: 18012
Ion Ratio Lower Upper
149 100
167 25.4 21.4 32.2
279 3.7 2.4 3.6#



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.410 min Scan# 2265
Delta R.T. 0.024 min
Lab File: BF126548.D
Acq: 7 Jan 2022 18:07

Tgt Ion:264 Resp: 175955
Ion Ratio Lower Upper
264 100
260 22.5 19.2 28.8
265 20.5 17.4 26.2

