

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF010622\
 Data File : BF126523.D
 Acq On : 6 Jan 2022 17:37
 Operator : JU/CG
 Sample : M5011-11 5X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HSB-5-(11.5-12)

Quant Time: Jan 07 08:33:15 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)

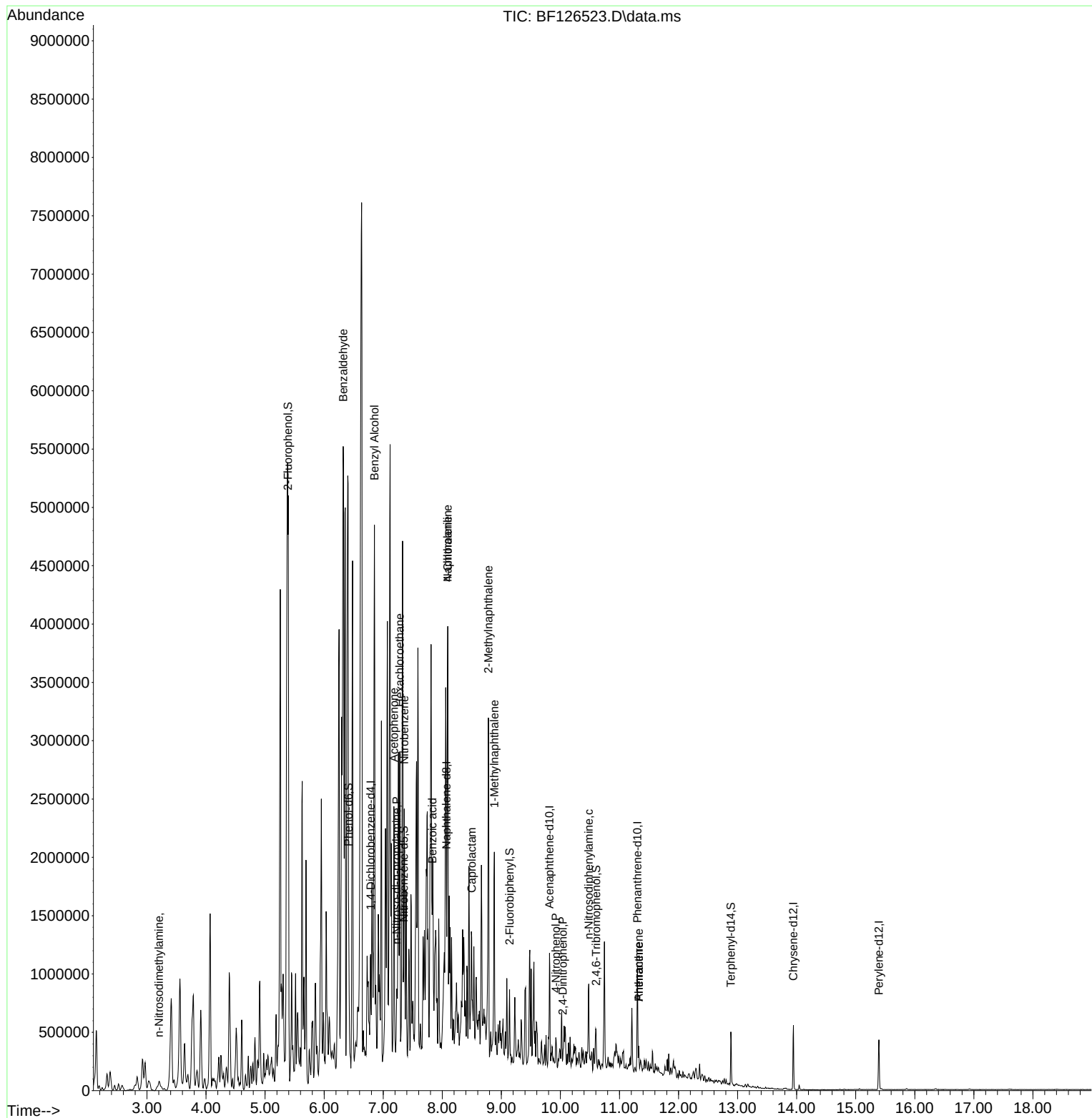
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.787	152	97882	20.000	ng	0.00
21) Naphthalene-d8	8.069	136	336329	20.000	ng	0.00
39) Acenaphthene-d10	9.816	164	186800	20.000	ng	-0.01
64) Phenanthrene-d10	11.304	188	294699	20.000	ng	0.00
76) Chrysene-d12	13.945	240	175888	20.000	ng	0.00
86) Perylene-d12	15.392	264	172386	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.387	112	82622	12.122	ng	0.00
7) Phenol-d6	6.410	99	169840	19.238	ng	-0.01
23) Nitrobenzene-d5	7.345	82	107156	16.359	ng	0.00
42) 2,4,6-Tribromophenol	10.604	330	27101	18.775	ng	-0.01
45) 2-Fluorobiphenyl	9.139	172	171937	16.197	ng	-0.01
79) Terphenyl-d14	12.886	244	134644	14.873	ng	-0.01
Target Compounds						
					Qvalue	
4) n-Nitrosodimethylamine	3.205	42	8161	2.153	ng	# 1
9) Benzaldehyde	6.322	77	351566	64.329	ng	# 1
15) Benzyl Alcohol	6.851	79	174900	28.316	ng	# 5
18) Hexachloroethane	7.281	117	68263	25.270	ng	# 1
19) n-Nitroso-di-n-propyla...	7.228	70	40181	7.976	ng	# 54
22) Acetophenone	7.181	105	610942	78.574	ng	# 54
24) Nitrobenzene	7.357	77	34483	5.261	ng	# 4
31) Naphthalene	8.092	128	1358849	85.598	ng	97
32) Benzoic acid	7.834	122	1747	7.528	ng	# 1
33) 4-Chloroaniline	8.092	127	153132	23.026	ng	# 36
35) Caprolactam	8.498	113	20400	19.329	ng	# 45
37) 2-Methylnaphthalene	8.781	142	894711	95.541	ng	99
38) 1-Methylnaphthalene	8.881	142	458600	50.652	ng	99
54) 2,4-Dinitrophenol	10.039	184	235	4.177	ng	# 1
56) 4-Nitrophenol	9.922	139	6111	2.488	ng	# 53
66) n-Nitrosodiphenylamine	10.481	169	20359	2.227	ng	# 55
71) Phenanthrene	11.328	178	63849	4.238	ng	98
72) Anthracene	11.328	178	63849	4.235	ng	99
77) Benzidine	12.886	184	1744	Below Cal		# 73

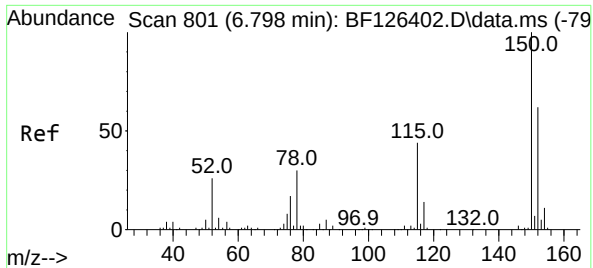
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF010622\
Data File : BF126523.D
Acq On : 6 Jan 2022 17:37
Operator : JU/CG
Sample : M5011-11 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HSB-5-(11.5-12)

Quant Time: Jan 07 08:33:15 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

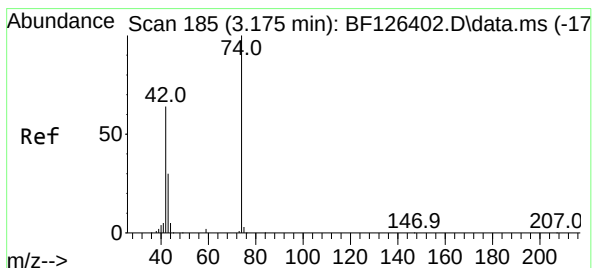
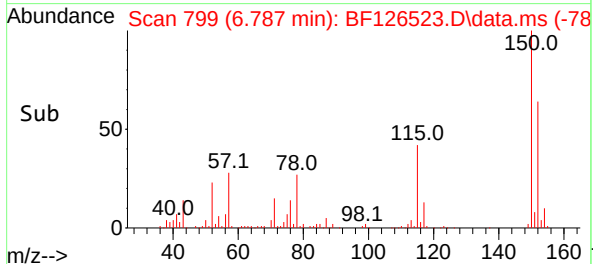
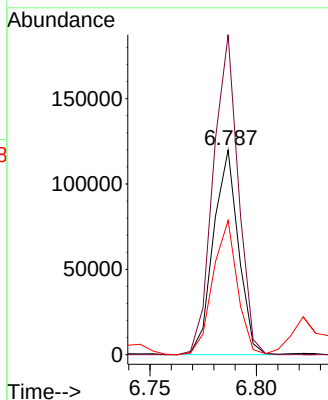
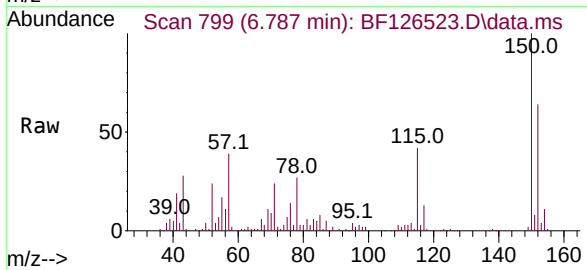




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.787 min Scan# 79
 Delta R.T. 0.001 min
 Lab File: BF126523.D
 Acq: 6 Jan 2022 17:37

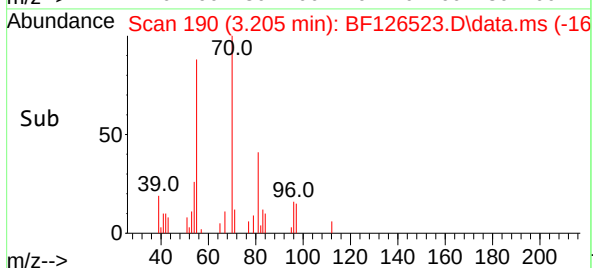
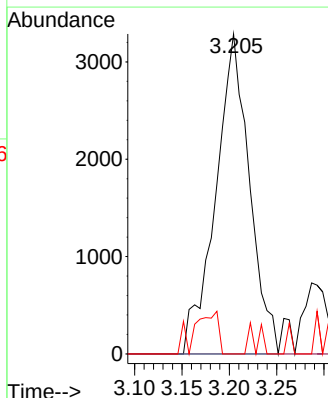
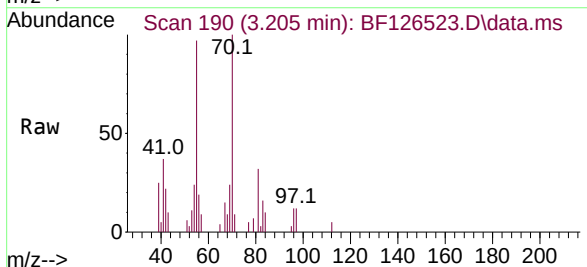
Instrument :
 BNA_F
 ClientSampleId :
 HSB-5-(11.5-12)

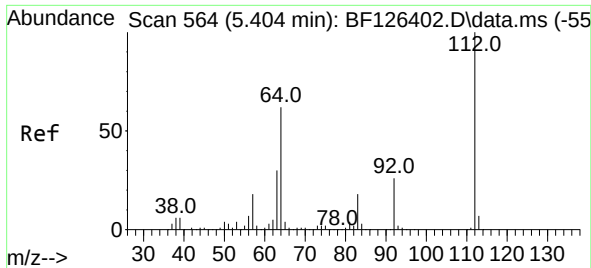
Tgt Ion:152 Resp: 97882
 Ion Ratio Lower Upper
 152 100
 150 156.3 128.1 192.1
 115 65.6 56.7 85.1



#4
 n-Nitrosodimethylamine
 Concen: 2.153 ng
 RT: 3.205 min Scan# 190
 Delta R.T. 0.041 min
 Lab File: BF126523.D
 Acq: 6 Jan 2022 17:37

Tgt Ion: 42 Resp: 8161
 Ion Ratio Lower Upper
 42 100
 74 0.0 125.6 188.4#
 44 0.0 5.7 8.5#

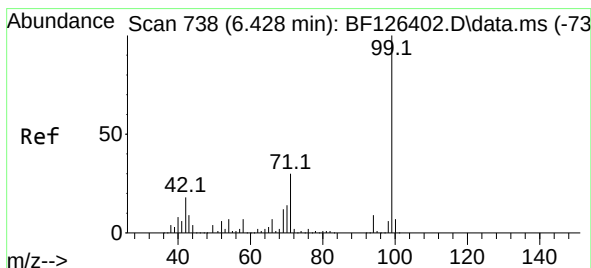
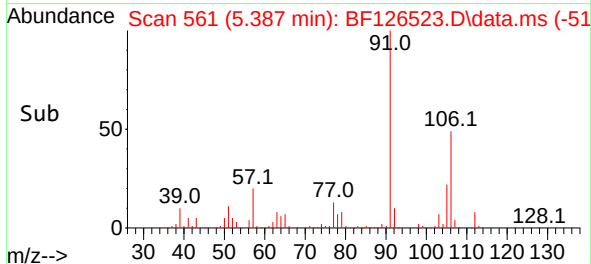
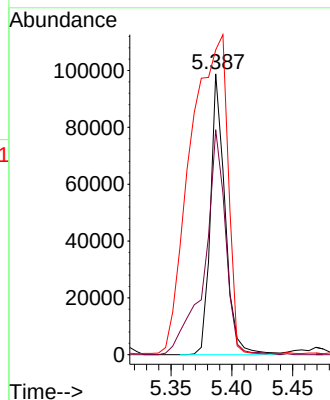
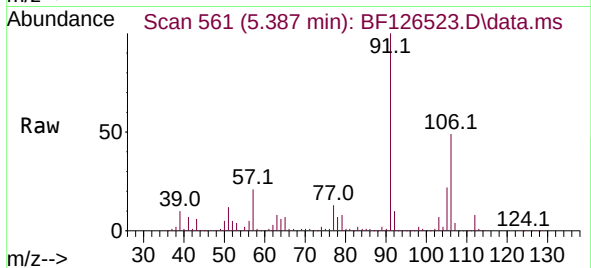




#5
2-Fluorophenol
Concen: 12.122 ng
RT: 5.387 min Scan# 51
Delta R.T. -0.006 min
Lab File: BF126523.D
Acq: 6 Jan 2022 17:37

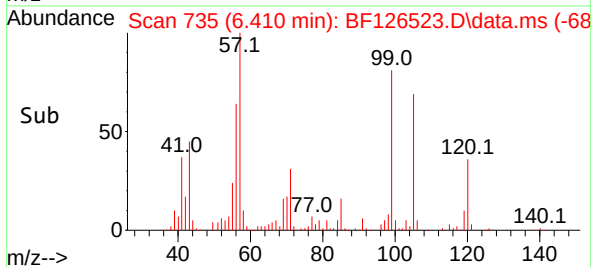
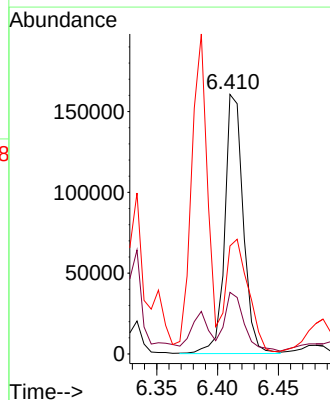
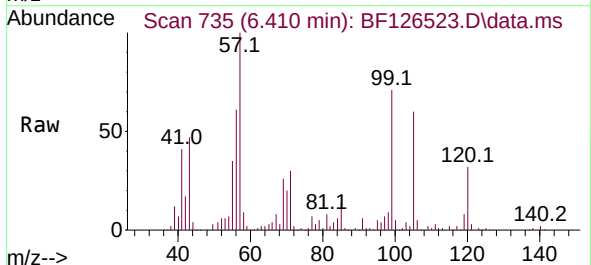
Instrument :
BNA_F
ClientSampleId :
HSB-5-(11.5-12)

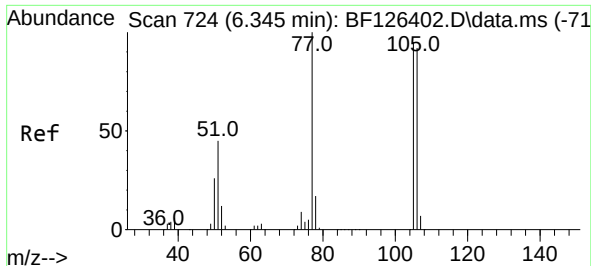
Tgt Ion:112 Resp: 82622
Ion Ratio Lower Upper
112 100
64 80.1 49.5 74.3#
63 108.5 23.9 35.9#



#7
Phenol-d6
Concen: 19.238 ng
RT: 6.410 min Scan# 735
Delta R.T. -0.012 min
Lab File: BF126523.D
Acq: 6 Jan 2022 17:37

Tgt Ion: 99 Resp: 169840
Ion Ratio Lower Upper
99 100
42 23.7 14.2 21.4#
71 41.6 24.3 36.5#

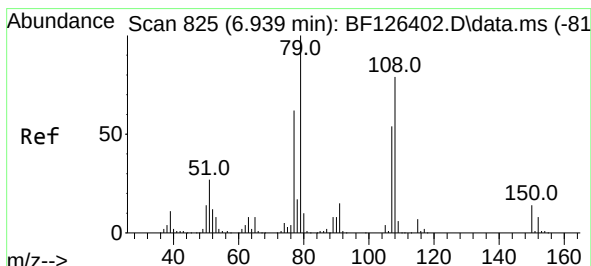
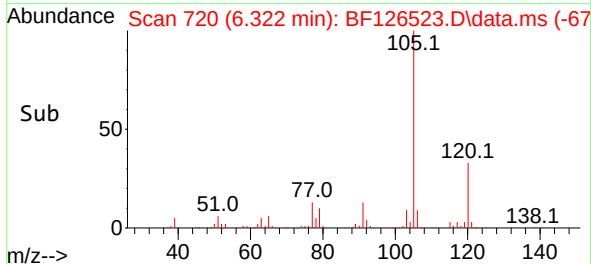
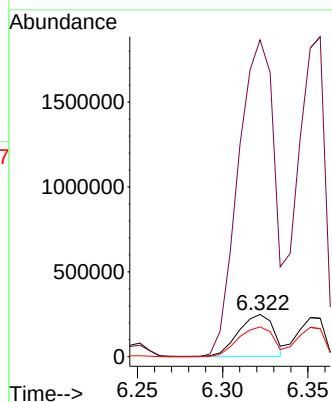
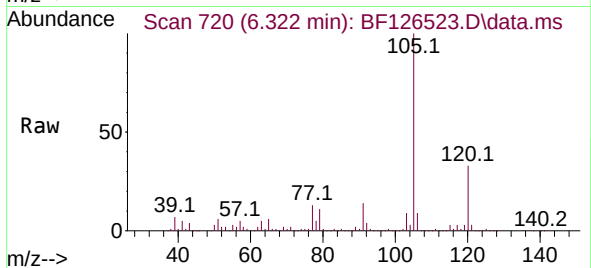




#9
Benzaldehyde
Concen: 64.329 ng
RT: 6.322 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF126523.D
Acq: 6 Jan 2022 17:37

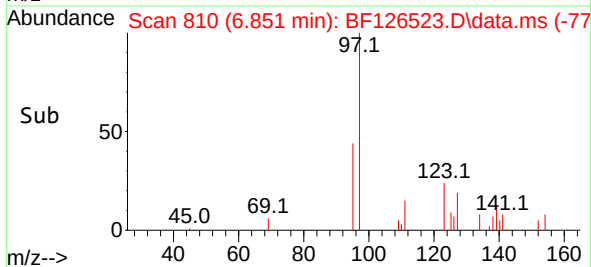
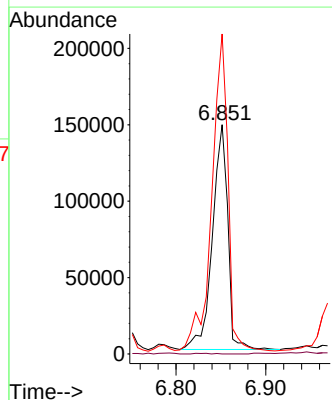
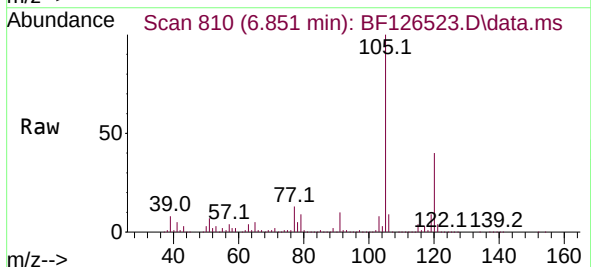
Instrument :
BNA_F
ClientSampleId :
HSB-5-(11.5-12)

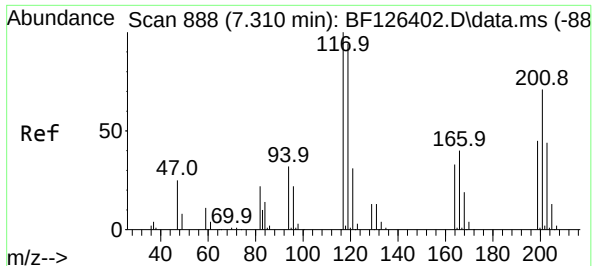
Tgt Ion: 77 Resp: 351566
Ion Ratio Lower Upper
77 100
105 750.4 74.9 114.9#
106 70.6 72.4 112.4#



#15
Benzyl Alcohol
Concen: 28.316 ng
RT: 6.851 min Scan# 810
Delta R.T. -0.076 min
Lab File: BF126523.D
Acq: 6 Jan 2022 17:37

Tgt Ion: 79 Resp: 174900
Ion Ratio Lower Upper
79 100
108 0.0 63.2 94.8#
77 139.6 49.4 74.2#

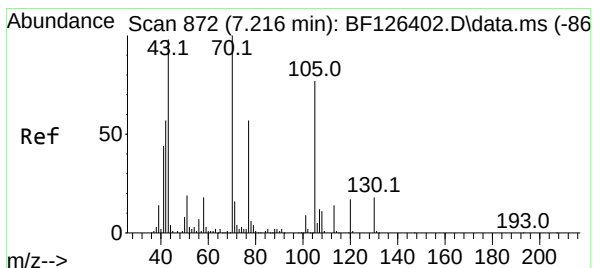
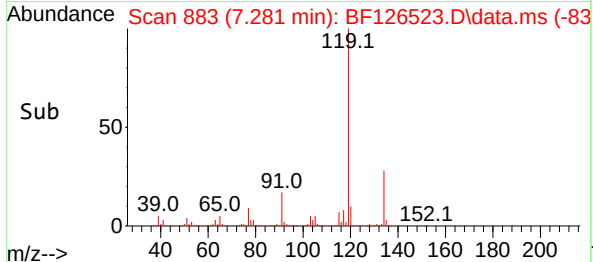
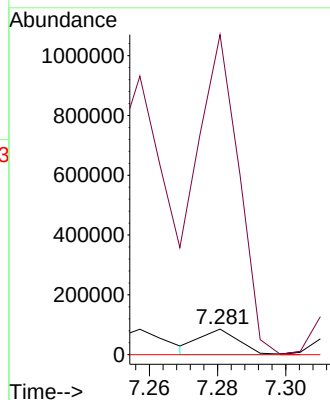
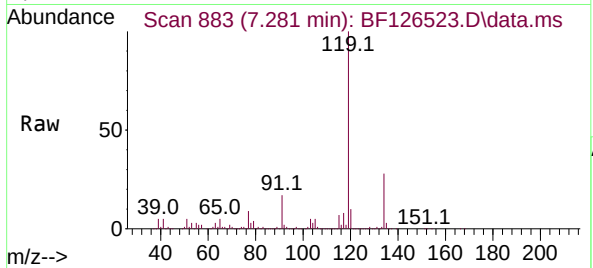




#18
Hexachloroethane
Concen: 25.270 ng
RT: 7.281 min Scan# 81
Delta R.T. -0.017 min
Lab File: BF126523.D
Acq: 6 Jan 2022 17:37

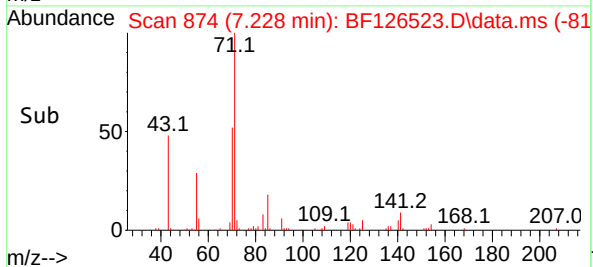
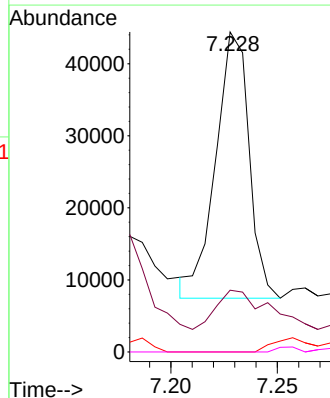
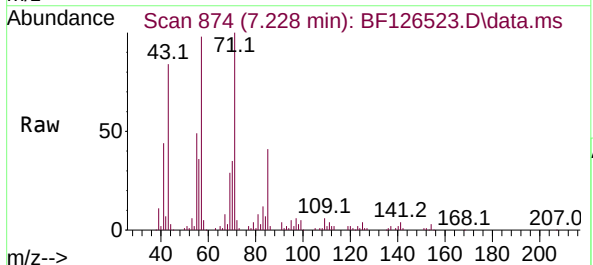
Instrument :
BNA_F
ClientSampleId :
HSB-5-(11.5-12)

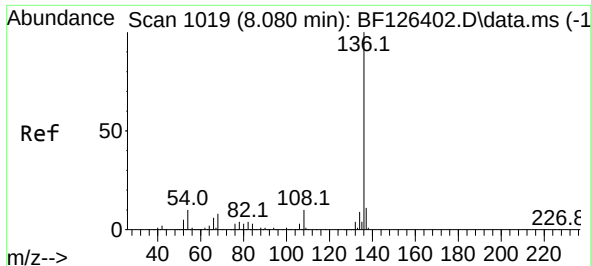
Tgt Ion:117 Resp: 68263
Ion Ratio Lower Upper
117 100
119 1249.7 75.4 113.0#
201 0.0 56.8 85.2#



#19
n-Nitroso-di-n-propylamine
Concen: 7.976 ng
RT: 7.228 min Scan# 874
Delta R.T. 0.024 min
Lab File: BF126523.D
Acq: 6 Jan 2022 17:37

Tgt Ion: 70 Resp: 40181
Ion Ratio Lower Upper
70 100
42 19.3 45.8 68.8#
101 0.0 6.9 10.3#
130 0.0 14.4 21.6#



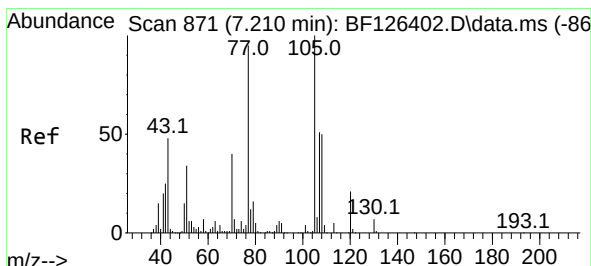
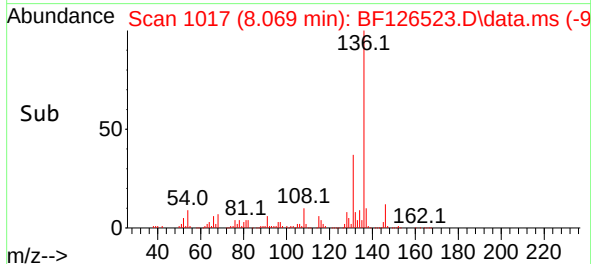
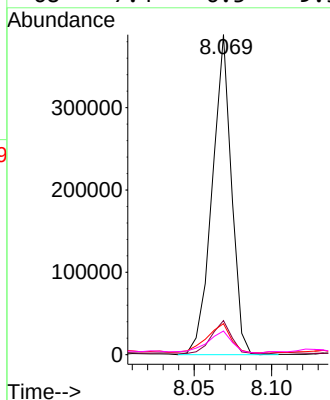
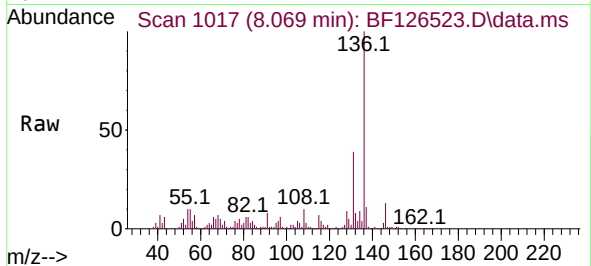


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.069 min Scan# 1019
Delta R.T. 0.000 min
Lab File: BF126523.D
Acq: 6 Jan 2022 17:37

Instrument :
BNA_F
ClientSampleId :
HSB-5-(11.5-12)

Tgt Ion:136 Resp: 336329

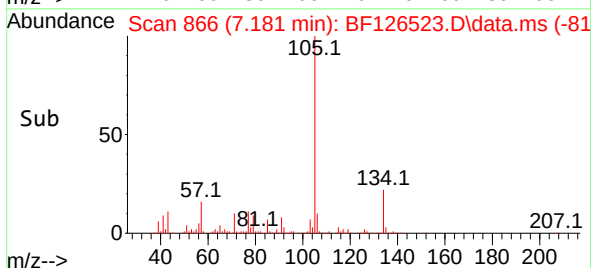
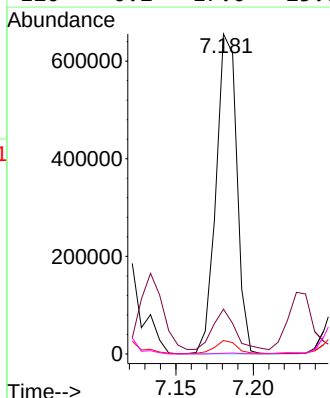
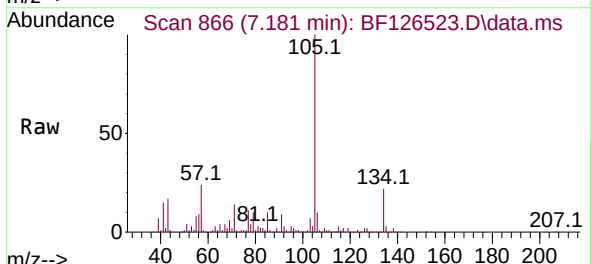
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.6	13.0
54	9.7	7.8	11.6
68	7.4	6.3	9.5

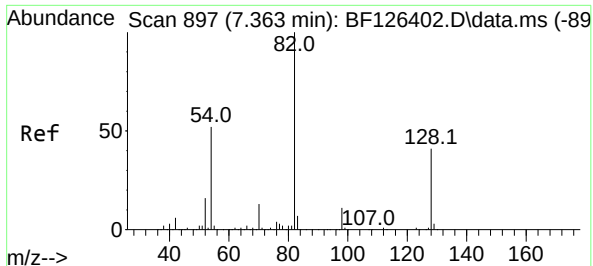


#22
Acetophenone
Concen: 78.574 ng
RT: 7.181 min Scan# 866
Delta R.T. -0.017 min
Lab File: BF126523.D
Acq: 6 Jan 2022 17:37

Tgt Ion:105 Resp: 610942

Ion	Ratio	Lower	Upper
105	100		
71	14.0	5.4	8.0#
51	4.2	27.4	41.0#
120	0.2	17.0	25.6#





#23

Nitrobenzene-d5

Concen: 16.359 ng

RT: 7.345 min Scan# 894

Delta R.T. -0.006 min

Lab File: BF126523.D

Acq: 6 Jan 2022 17:37

Instrument :

BNA_F

ClientSampleId :

HSB-5-(11.5-12)

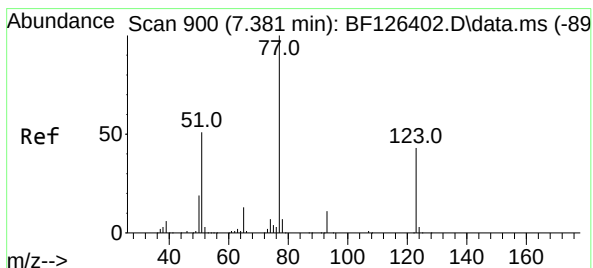
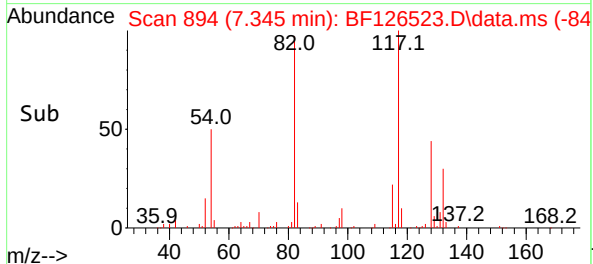
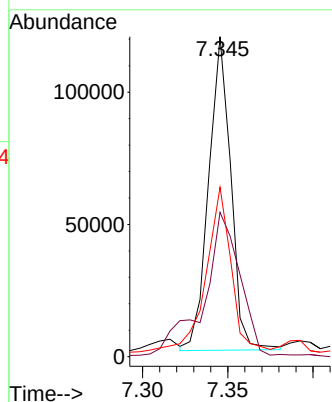
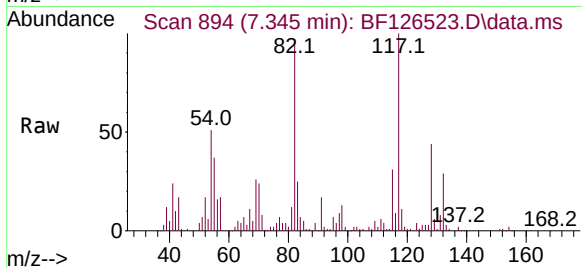
Tgt Ion: 82 Resp: 107156

Ion Ratio Lower Upper

82 100

128 45.1 32.7 49.1

54 53.0 41.7 62.5



#24

Nitrobenzene

Concen: 5.261 ng

RT: 7.357 min Scan# 896

Delta R.T. -0.012 min

Lab File: BF126523.D

Acq: 6 Jan 2022 17:37

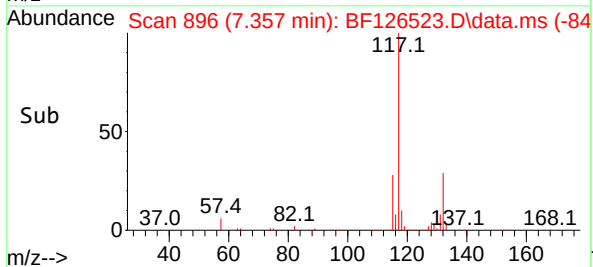
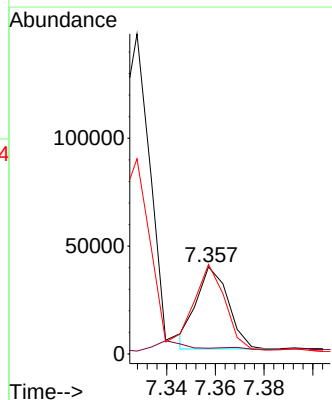
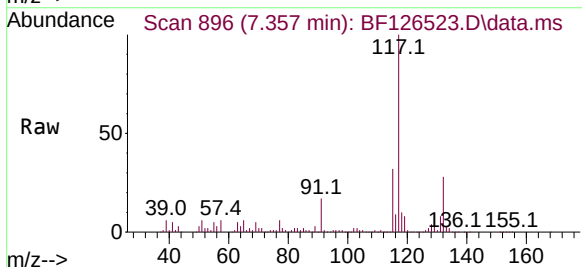
Tgt Ion: 77 Resp: 34483

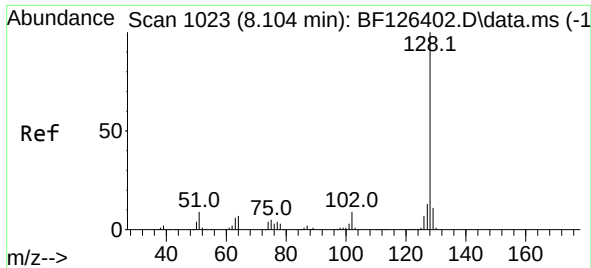
Ion Ratio Lower Upper

77 100

123 6.7 34.6 52.0#

65 102.9 10.6 15.8#

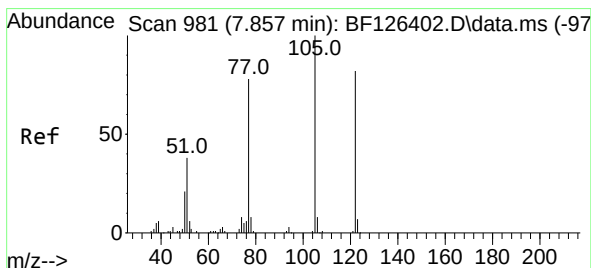
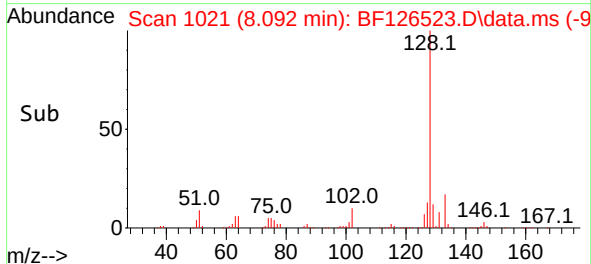
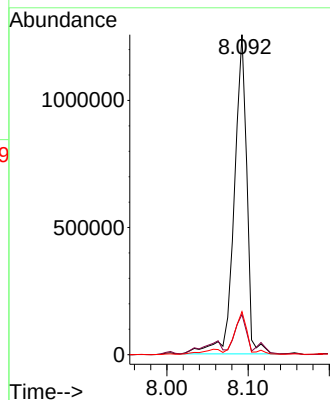
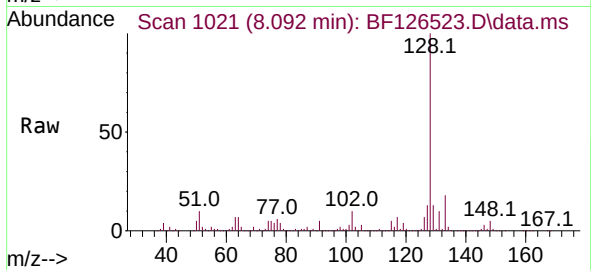




#31
Naphthalene
Concen: 85.598 ng
RT: 8.092 min Scan# 1023
Delta R.T. 0.000 min
Lab File: BF126523.D
Acq: 6 Jan 2022 17:37

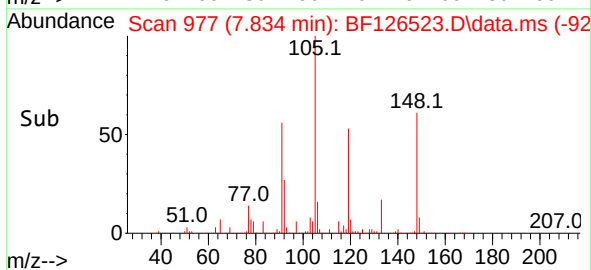
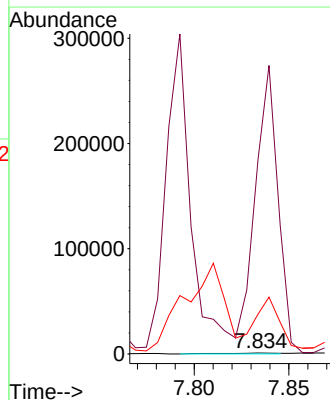
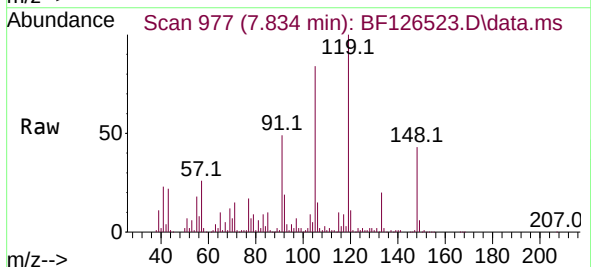
Instrument :
BNA_F
ClientSampleId :
HSB-5-(11.5-12)

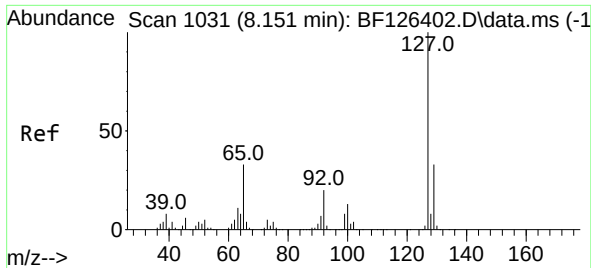
Tgt Ion:128 Resp: 1358849
Ion Ratio Lower Upper
128 100
129 12.6 8.6 13.0
127 13.5 10.3 15.5



#32
Benzoic acid
Concen: 7.528 ng
RT: 7.834 min Scan# 977
Delta R.T. -0.012 min
Lab File: BF126523.D
Acq: 6 Jan 2022 17:37

Tgt Ion:122 Resp: 1747
Ion Ratio Lower Upper
122 100
105 18655.3 101.0 141.0#
77 3826.5 74.5 114.5#

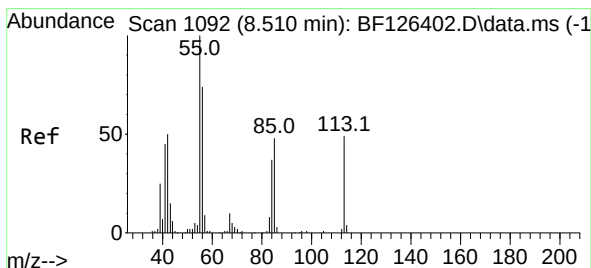
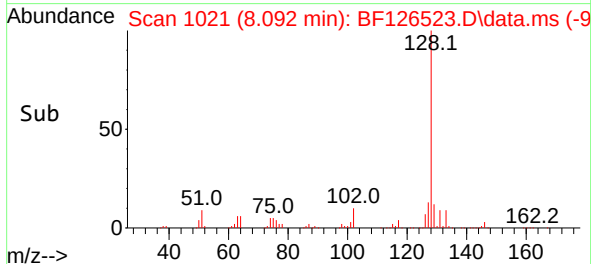
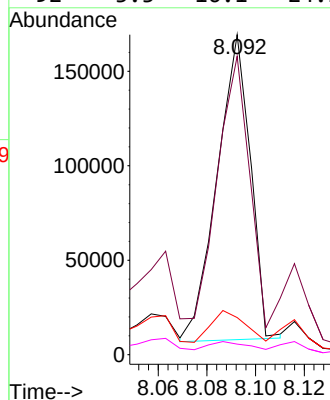
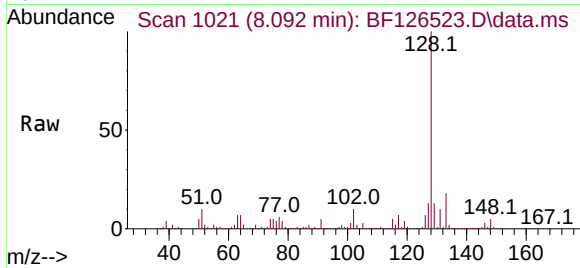




#33
4-Chloroaniline
Concen: 23.026 ng
RT: 8.092 min Scan# 1021
Delta R.T. -0.047 min
Lab File: BF126523.D
Acq: 6 Jan 2022 17:37

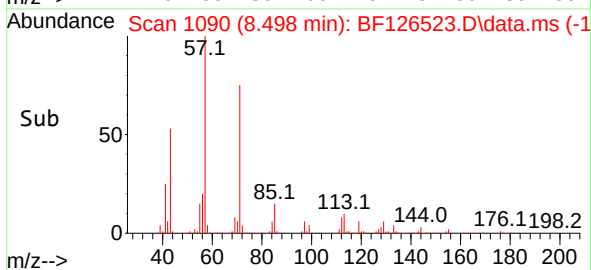
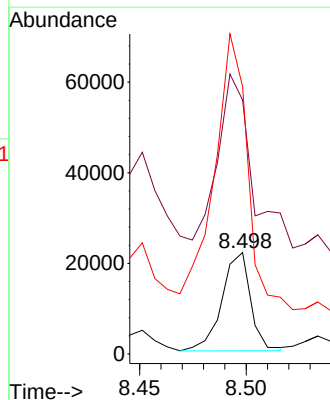
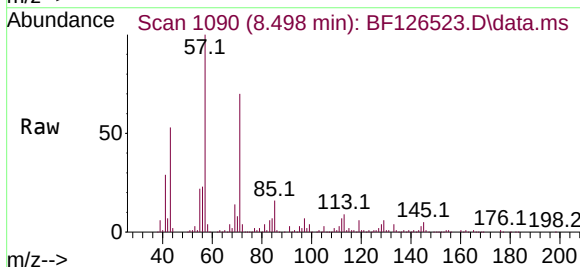
Instrument :
BNA_F
ClientSampleId :
HSB-5-(11.5-12)

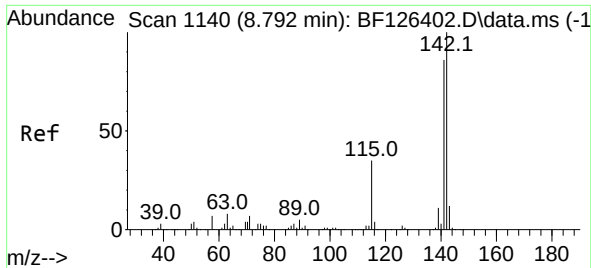
Tgt Ion:	127	Resp:	153132
Ion	Ratio	Lower	Upper
127	100		
129	93.3	26.5	39.7#
65	11.6	26.6	39.8#
92	3.3	16.1	24.1#



#35
Caprolactam
Concen: 19.329 ng
RT: 8.498 min Scan# 1090
Delta R.T. -0.006 min
Lab File: BF126523.D
Acq: 6 Jan 2022 17:37

Tgt Ion:	113	Resp:	20400
Ion	Ratio	Lower	Upper
113	100		
55	250.3	183.9	223.9#
56	263.4	129.9	169.9#

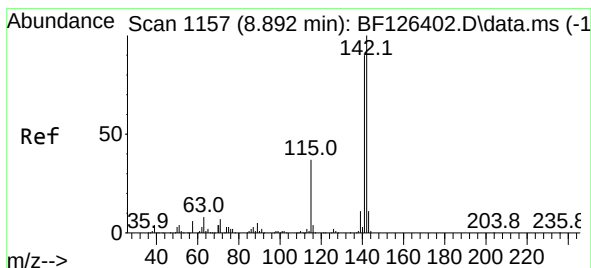
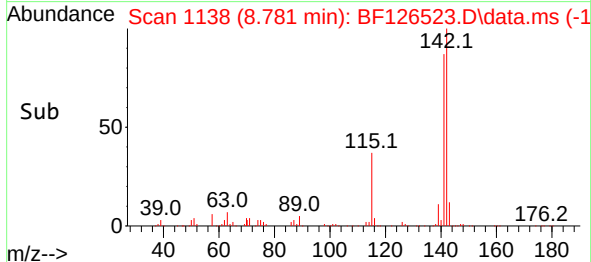
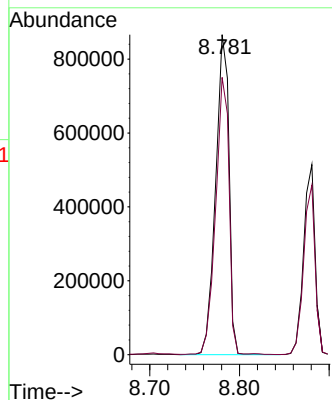
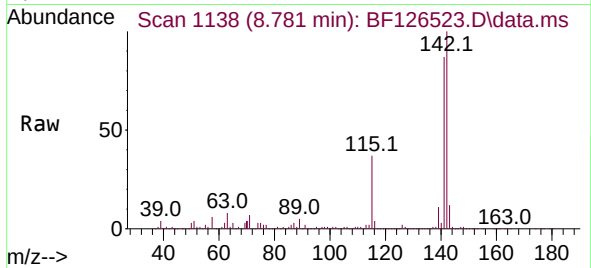




#37
2-Methylnaphthalene
Concen: 95.541 ng
RT: 8.781 min Scan# 1138
Delta R.T. 0.000 min
Lab File: BF126523.D
Acq: 6 Jan 2022 17:37

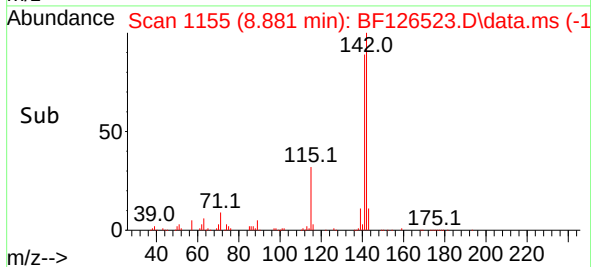
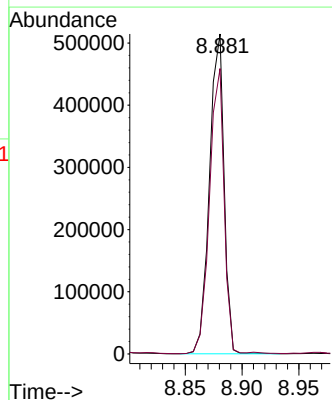
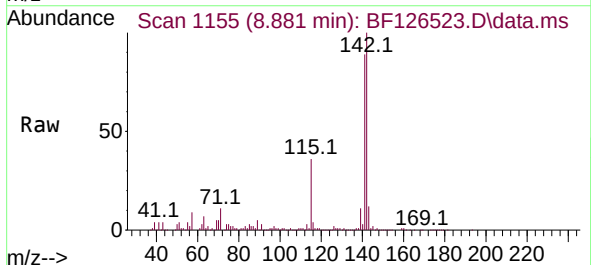
Instrument :
BNA_F
ClientSampleId :
HSB-5-(11.5-12)

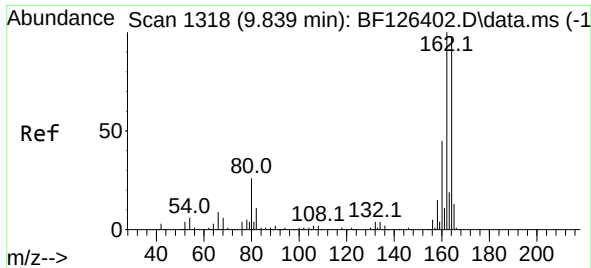
Tgt Ion:142 Resp: 894711
Ion Ratio Lower Upper
142 100
141 86.6 68.6 102.8



#38
1-Methylnaphthalene
Concen: 50.652 ng
RT: 8.881 min Scan# 1155
Delta R.T. 0.000 min
Lab File: BF126523.D
Acq: 6 Jan 2022 17:37

Tgt Ion:142 Resp: 458600
Ion Ratio Lower Upper
142 100
141 89.2 72.1 108.1

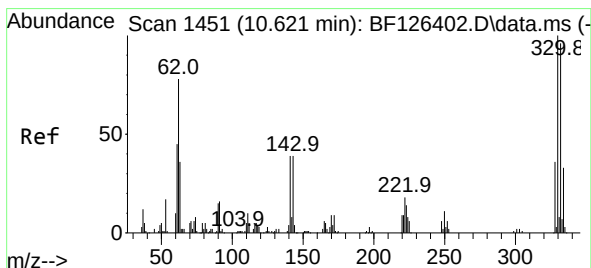
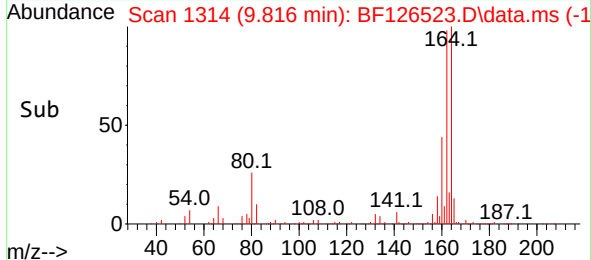
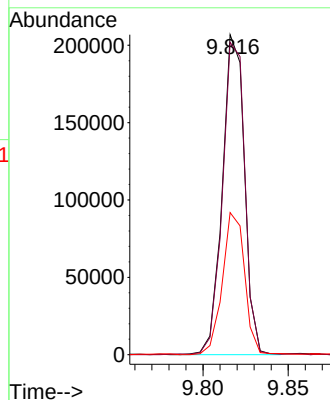
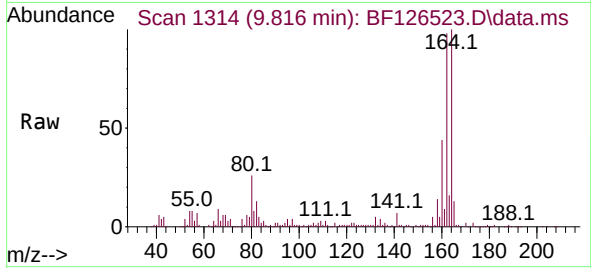




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.816 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF126523.D
Acq: 6 Jan 2022 17:37

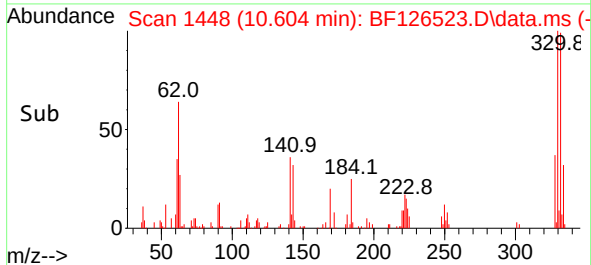
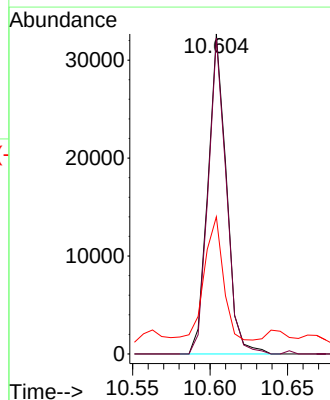
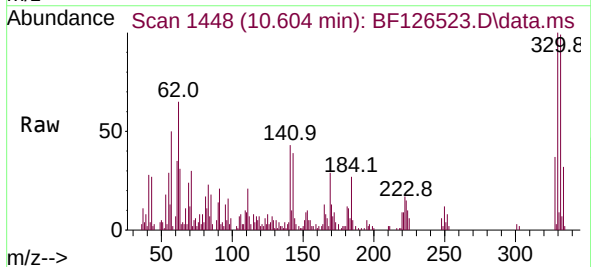
Instrument :
BNA_F
ClientSampleId :
HSB-5-(11.5-12)

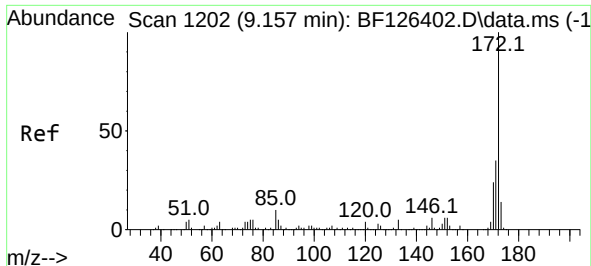
Tgt Ion:164 Resp: 186800
Ion Ratio Lower Upper
164 100
162 97.6 81.4 122.0
160 44.4 36.6 54.8



#42
2,4,6-Tribromophenol
Concen: 18.775 ng
RT: 10.604 min Scan# 1448
Delta R.T. -0.012 min
Lab File: BF126523.D
Acq: 6 Jan 2022 17:37

Tgt Ion:330 Resp: 27101
Ion Ratio Lower Upper
330 100
332 96.6 76.0 114.0
141 39.4 30.1 45.1





#45

2-Fluorobiphenyl

Concen: 16.197 ng

RT: 9.139 min Scan# 1199

Delta R.T. -0.012 min

Lab File: BF126523.D

Acq: 6 Jan 2022 17:37

Instrument :

BNA_F

ClientSampleId :

HSB-5-(11.5-12)

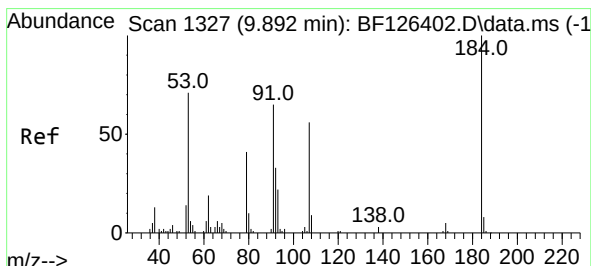
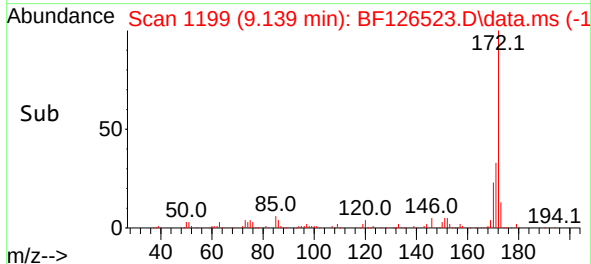
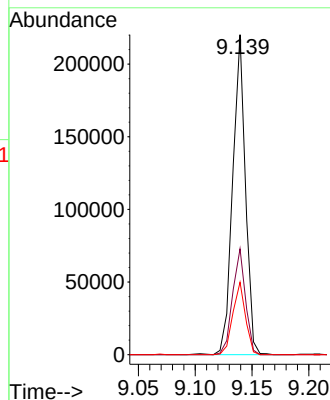
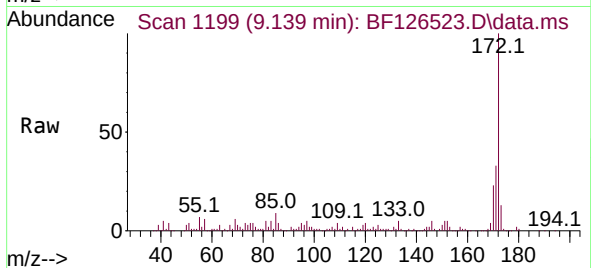
Tgt Ion:172 Resp: 171937

Ion Ratio Lower Upper

172 100

171 33.1 28.3 42.5

170 22.7 19.0 28.6



#54

2,4-Dinitrophenol

Concen: 4.177 ng

RT: 10.039 min Scan# 1352

Delta R.T. 0.153 min

Lab File: BF126523.D

Acq: 6 Jan 2022 17:37

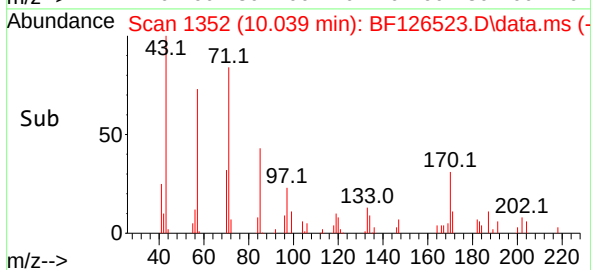
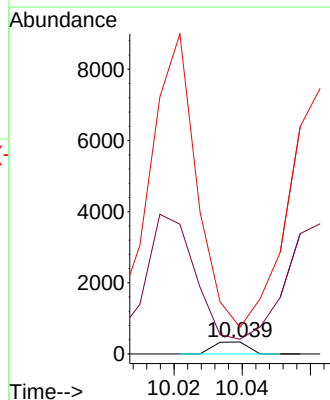
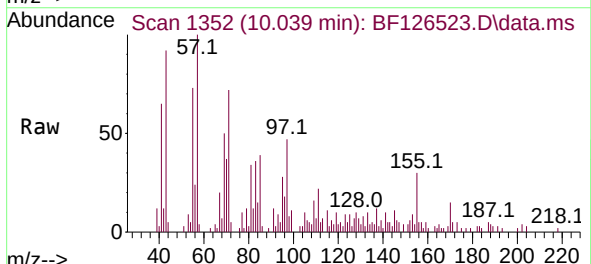
Tgt Ion:184 Resp: 235

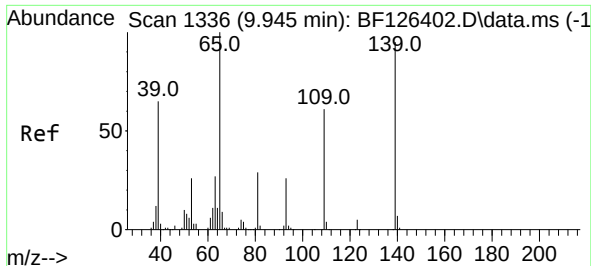
Ion Ratio Lower Upper

184 100

63 122.2 70.4 105.6#

154 222.2 49.7 74.5#

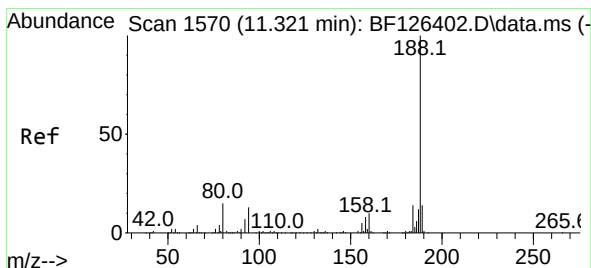
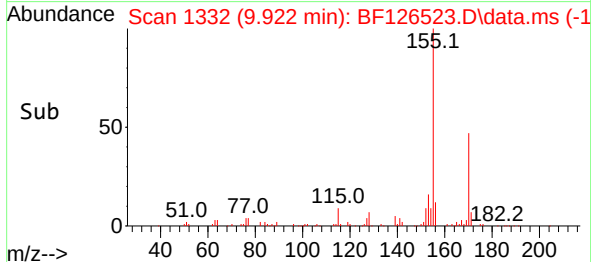
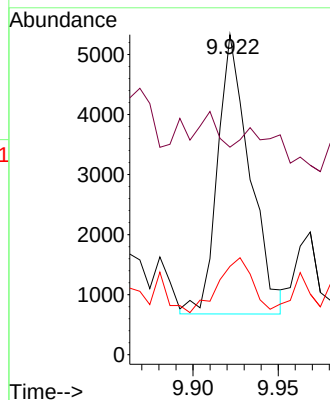
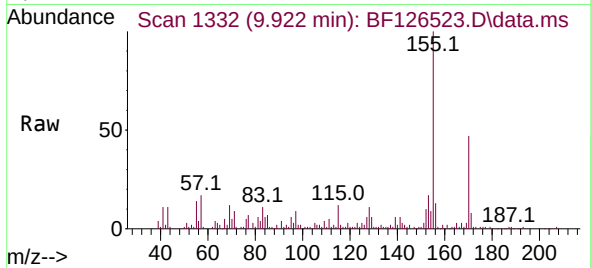




#56
4-Nitrophenol
Concen: 2.488 ng
RT: 9.922 min Scan# 11
Delta R.T. -0.017 min
Lab File: BF126523.D
Acq: 6 Jan 2022 17:37

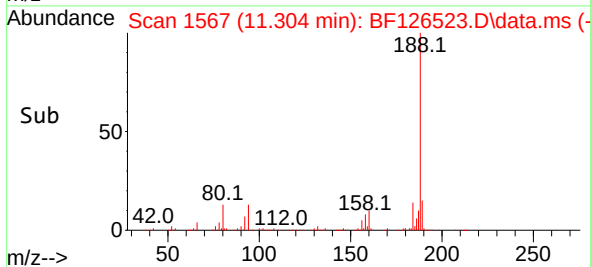
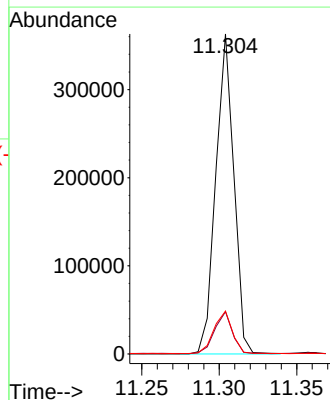
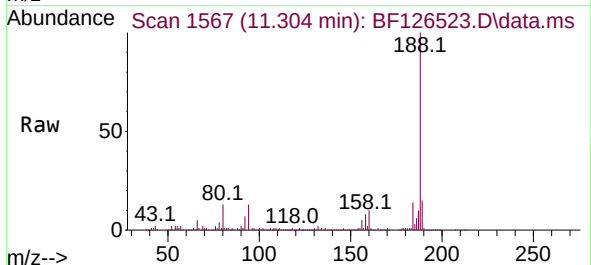
Instrument :
BNA_F
ClientSampleId :
HSB-5-(11.5-12)

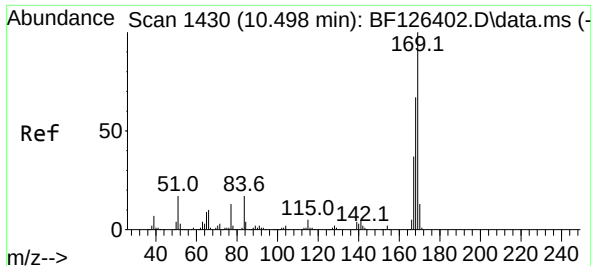
Tgt Ion:139 Resp: 6111
Ion Ratio Lower Upper
139 100
109 64.8 44.1 84.1
65 27.6 85.5 125.5#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.304 min Scan# 1567
Delta R.T. -0.006 min
Lab File: BF126523.D
Acq: 6 Jan 2022 17:37

Tgt Ion:188 Resp: 294699
Ion Ratio Lower Upper
188 100
94 13.2 10.1 15.1
80 13.4 11.8 17.6

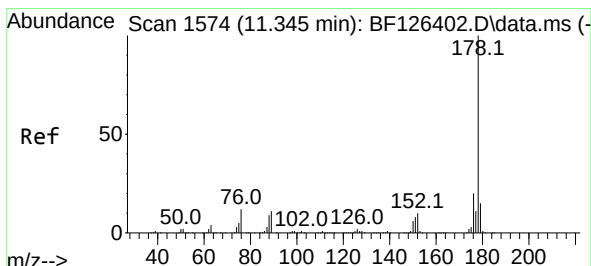
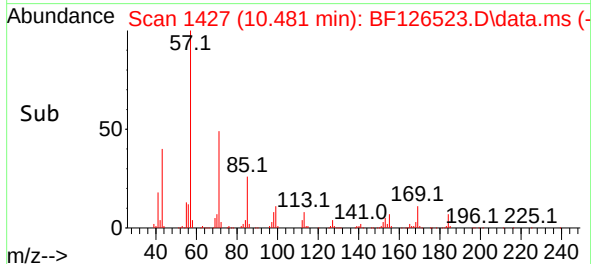
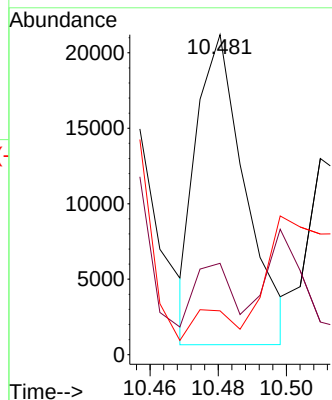
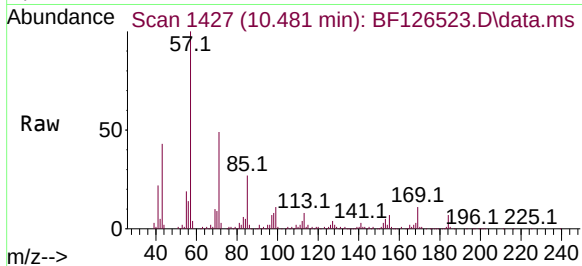




#66
n-Nitrosodiphenylamine
Concen: 2.227 ng
RT: 10.481 min Scan# 1427
Delta R.T. -0.006 min
Lab File: BF126523.D
Acq: 6 Jan 2022 17:37

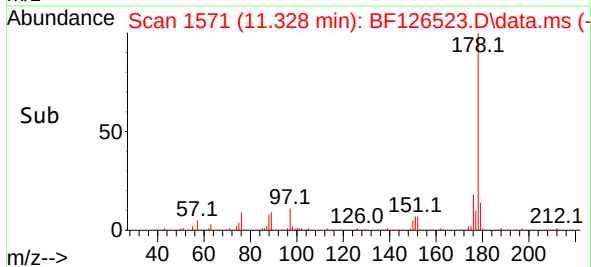
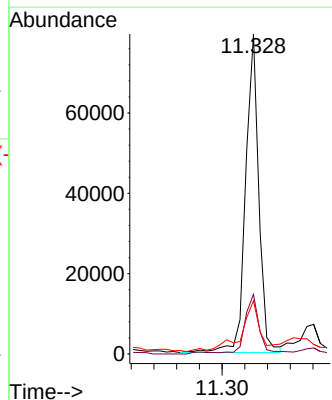
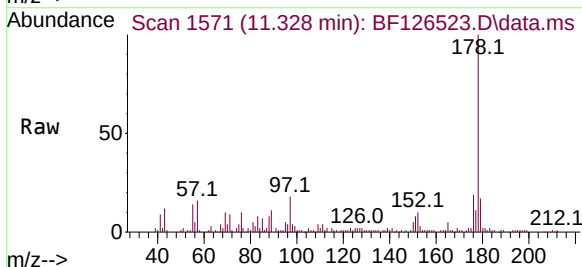
Instrument :
BNA_F
ClientSampleId :
HSB-5-(11.5-12)

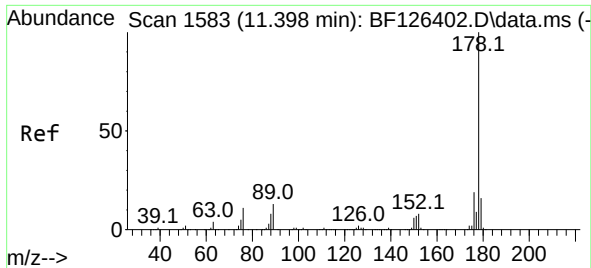
Tgt Ion:169 Resp: 20359
Ion Ratio Lower Upper
169 100
168 28.6 53.4 80.0#
167 13.7 29.4 44.0#



#71
Phenanthrene
Concen: 4.238 ng
RT: 11.328 min Scan# 1571
Delta R.T. -0.006 min
Lab File: BF126523.D
Acq: 6 Jan 2022 17:37

Tgt Ion:178 Resp: 63849
Ion Ratio Lower Upper
178 100
176 18.6 15.7 23.5
179 16.6 12.3 18.5

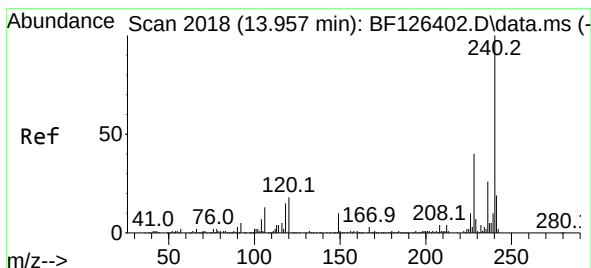
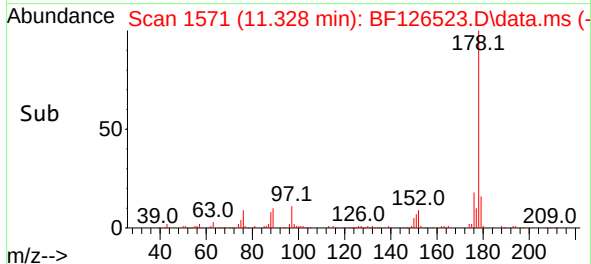
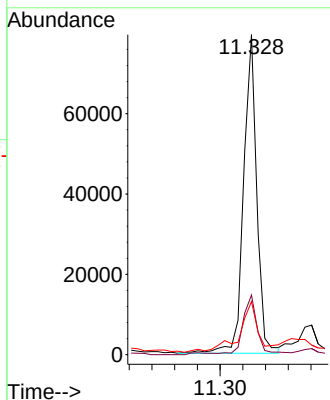
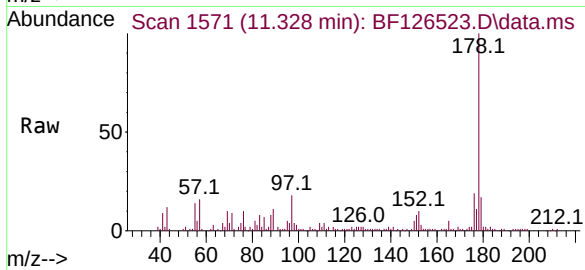




#72
 Anthracene
 Concen: 4.235 ng
 RT: 11.328 min Scan# 11
 Delta R.T. -0.059 min
 Lab File: BF126523.D
 Acq: 6 Jan 2022 17:37

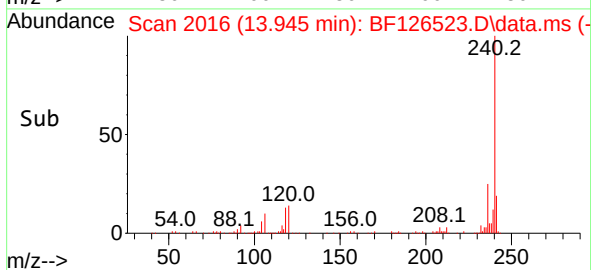
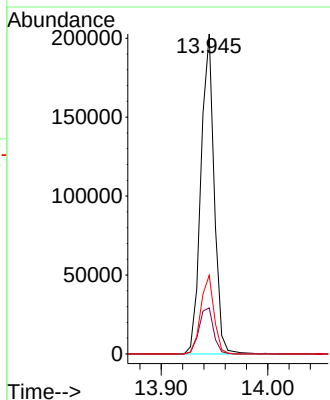
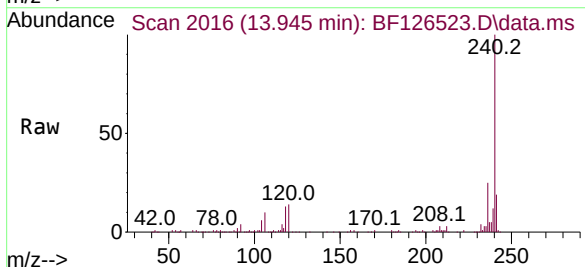
Instrument :
 BNA_F
 ClientSampleId :
 HSB-5-(11.5-12)

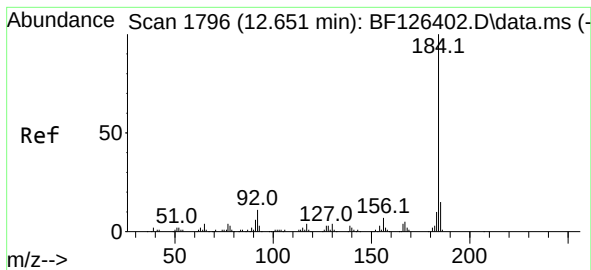
Tgt Ion:178 Resp: 63849
 Ion Ratio Lower Upper
 178 100
 176 18.6 15.0 22.6
 179 16.6 12.5 18.7



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.945 min Scan# 2016
 Delta R.T. -0.006 min
 Lab File: BF126523.D
 Acq: 6 Jan 2022 17:37

Tgt Ion:240 Resp: 175888
 Ion Ratio Lower Upper
 240 100
 120 14.4 14.4 21.6
 236 24.6 20.5 30.7





#77

Benzidine

Concen: Below Cal

RT: 12.886 min Scan# 1836

Delta R.T. 0.247 min

Lab File: BF126523.D

Acq: 6 Jan 2022 17:37

Instrument :

BNA_F

ClientSampleId :

HSB-5-(11.5-12)

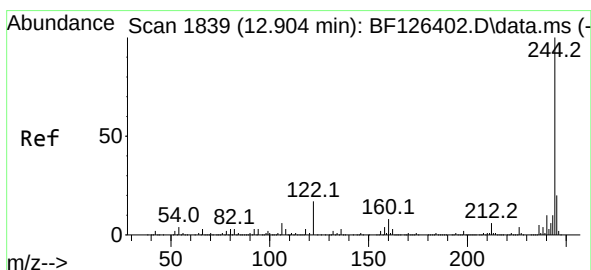
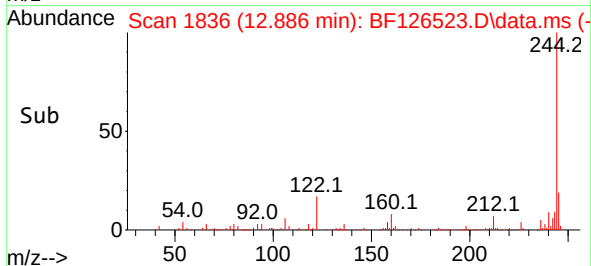
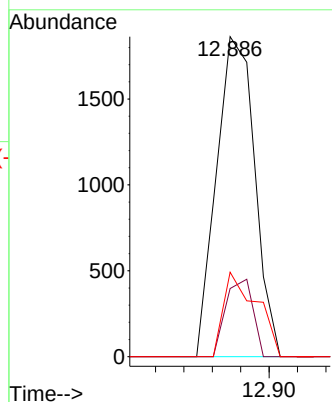
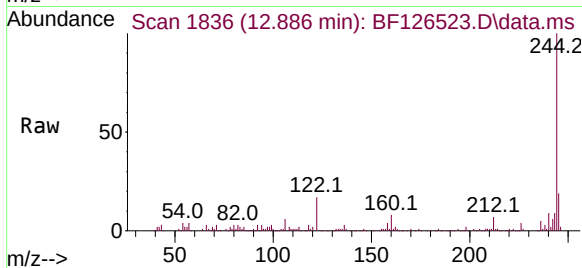
Tgt Ion:184 Resp: 1744

Ion Ratio Lower Upper

184 100

185 21.3 11.8 17.8#

183 26.4 8.2 12.2#



#79

Terphenyl-d14

Concen: 14.873 ng

RT: 12.886 min Scan# 1836

Delta R.T. -0.012 min

Lab File: BF126523.D

Acq: 6 Jan 2022 17:37

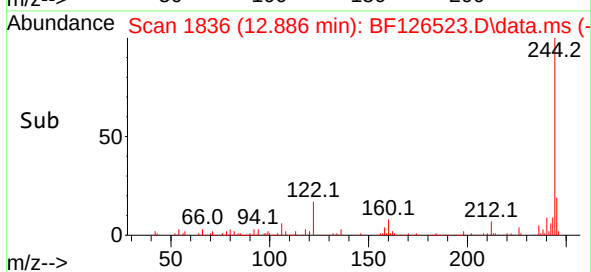
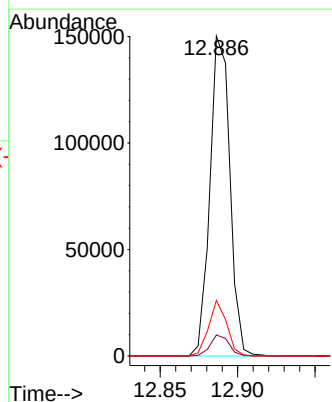
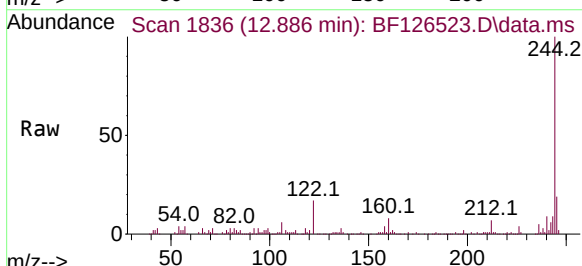
Tgt Ion:244 Resp: 134644

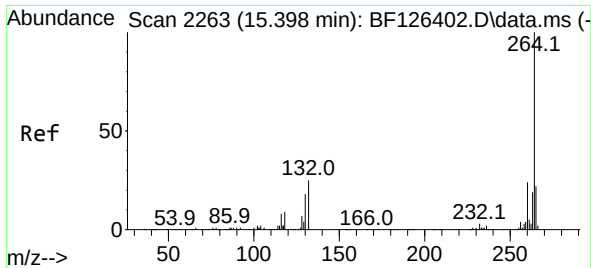
Ion Ratio Lower Upper

244 100

212 6.6 5.0 7.4

122 17.3 13.3 19.9





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.392 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: BF126523.D
 Acq: 6 Jan 2022 17:37

Instrument :
 BNA_F
 ClientSampleId :
 HSB-5-(11.5-12)

Tgt Ion:264 Resp: 172386
 Ion Ratio Lower Upper
 264 100
 260 23.1 19.2 28.8
 265 20.5 17.4 26.2

