

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF010722\
 Data File : BF126547.D
 Acq On : 7 Jan 2022 17:41
 Operator : JU/CG
 Sample : M5011-11DL 10X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

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

Quant Time: Jan 08 04:39:04 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)

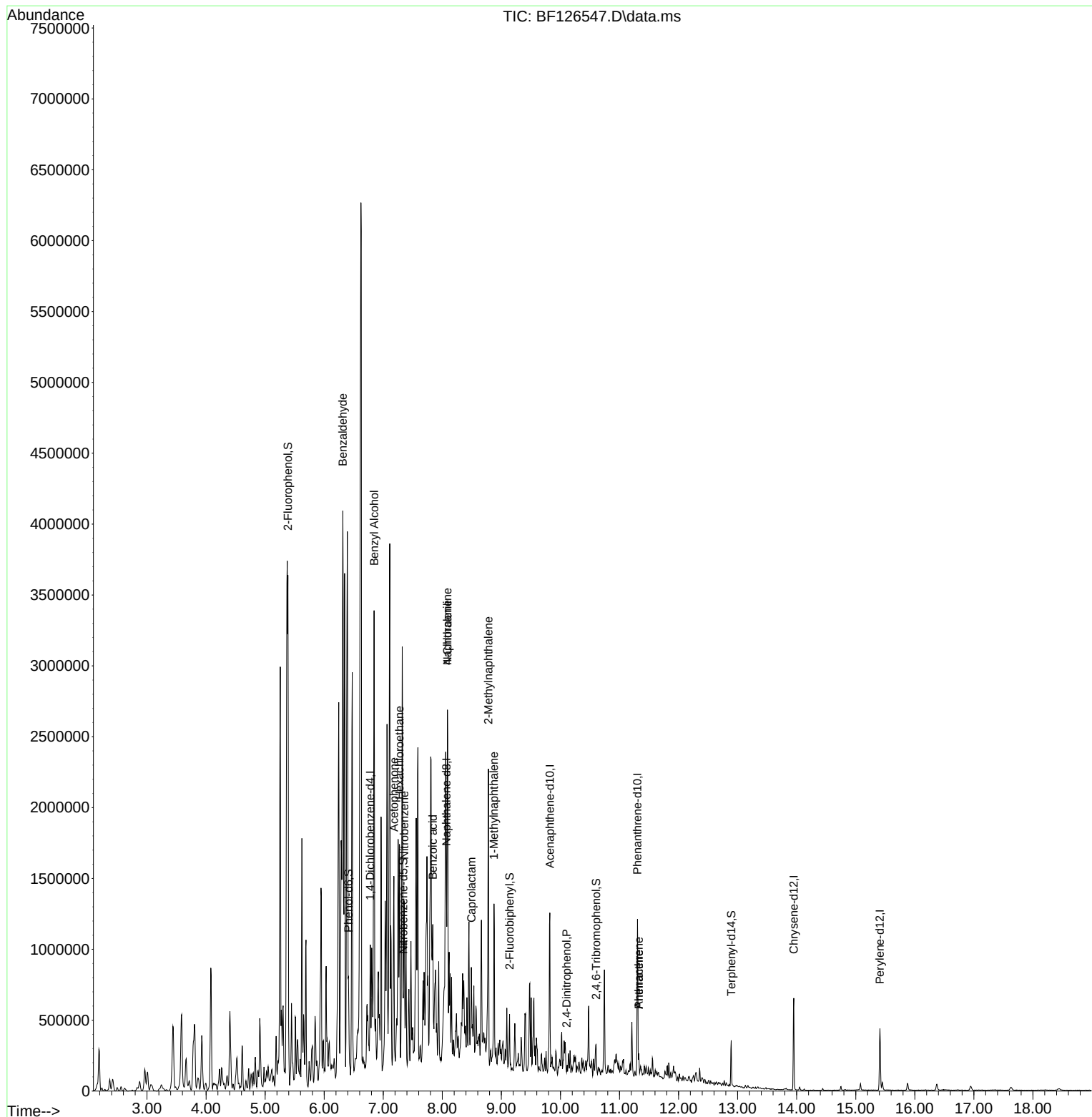
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.781	152	117017	20.000	ng	0.00
21) Naphthalene-d8	8.069	136	439197	20.000	ng	0.00
39) Acenaphthene-d10	9.822	164	237723	20.000	ng	0.00
64) Phenanthrene-d10	11.304	188	383007	20.000	ng	0.00
76) Chrysene-d12	13.951	240	226203	20.000	ng	# 0.00
86) Perylene-d12	15.409	264	195385	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.387	112	58723	7.207	ng	0.00
7) Phenol-d6	6.410	99	109609	10.386	ng	-0.01
23) Nitrobenzene-d5	7.339	82	67989	7.949	ng	-0.01
42) 2,4,6-Tribromophenol	10.604	330	18052	9.827	ng	-0.01
45) 2-Fluorobiphenyl	9.139	172	106749	7.902	ng	-0.01
79) Terphenyl-d14	12.892	244	94702	8.134	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.316	77	226487	34.666	ng	# 1
15) Benzyl Alcohol	6.845	79	114080	15.449	ng	# 7
18) Hexachloroethane	7.275	117	42876	13.277	ng	# 1
22) Acetophenone	7.181	105	387700	38.184	ng	# 54
24) Nitrobenzene	7.357	77	21134	2.469	ng	# 9
31) Naphthalene	8.086	128	933852	45.048	ng	97
32) Benzoic acid	7.839	122	676	7.210	ng	# 1
33) 4-Chloroaniline	8.086	127	140341	16.160	ng	# 36
35) Caprolactam	8.492	113	11670	8.468	ng	# 15
37) 2-Methylnaphthalene	8.780	142	607899	49.710	ng	98
38) 1-Methylnaphthalene	8.875	142	303051	25.632	ng	99
54) 2,4-Dinitrophenol	10.104	184	758	4.441	ng	# 34
71) Phenanthrene	11.327	178	40709	2.079	ng	96
72) Anthracene	11.327	178	40709	2.078	ng	97
77) Benzidine	12.892	184	1225	Below Cal	#	60

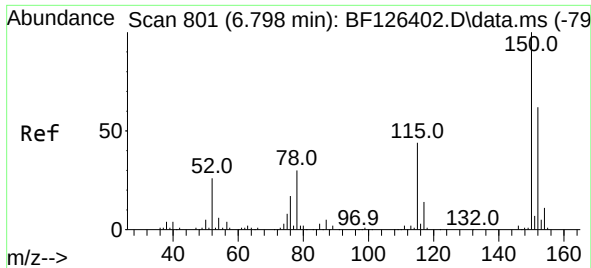
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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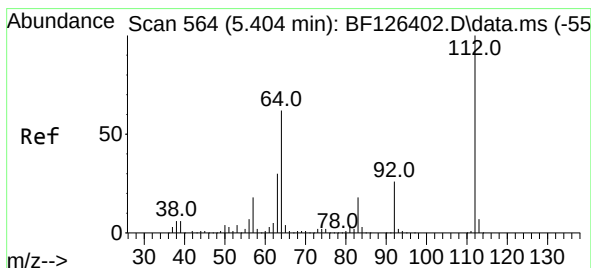
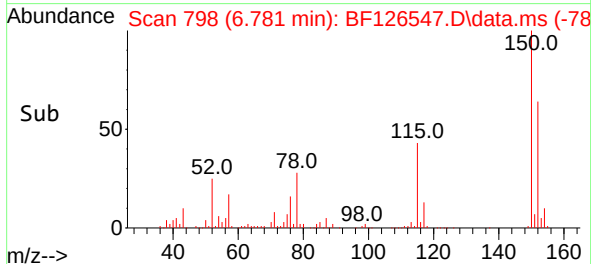
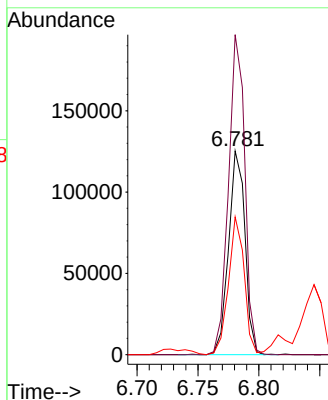
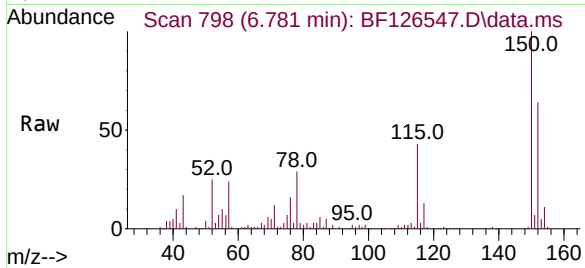




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.781 min Scan# 79
Delta R.T. -0.005 min
Lab File: BF126547.D
Acq: 7 Jan 2022 17:41

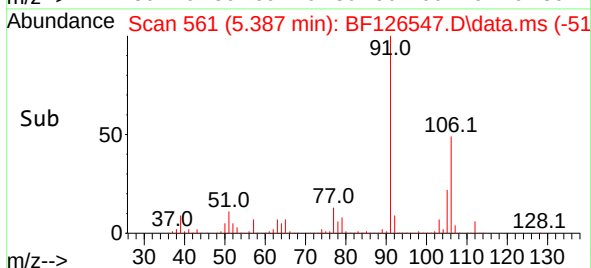
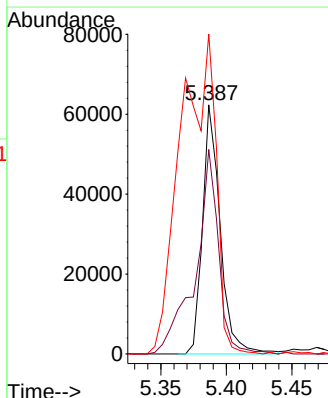
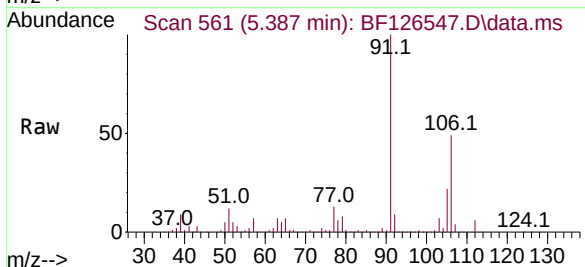
Instrument :
BNA_F
ClientSampleId :
HSB-5-(11.5-12)DL

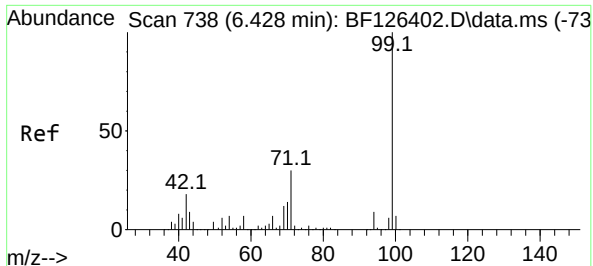
Tgt Ion:152 Resp: 117017
Ion Ratio Lower Upper
152 100
150 157.1 128.1 192.1
115 67.7 56.7 85.1



#5
2-Fluorophenol
Concen: 7.207 ng
RT: 5.387 min Scan# 561
Delta R.T. -0.006 min
Lab File: BF126547.D
Acq: 7 Jan 2022 17:41

Tgt Ion:112 Resp: 58723
Ion Ratio Lower Upper
112 100
64 82.1 49.5 74.3#
63 128.5 23.9 35.9#

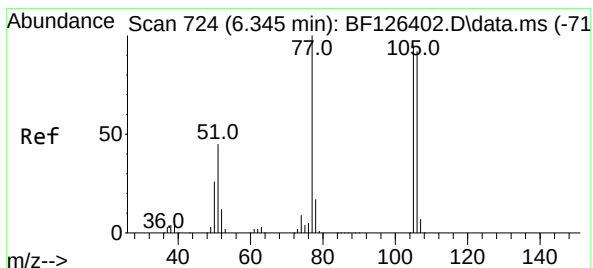
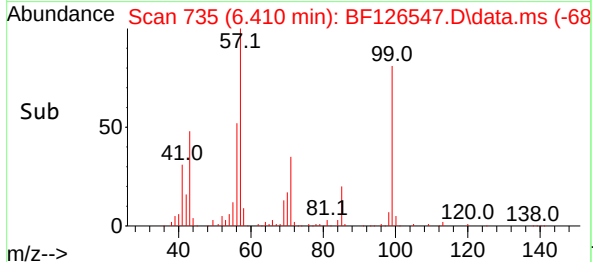
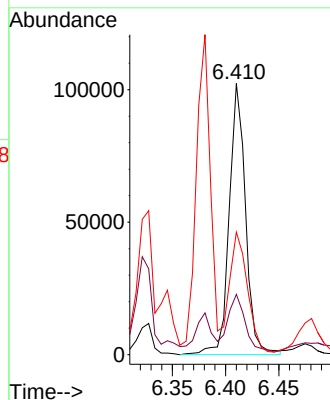
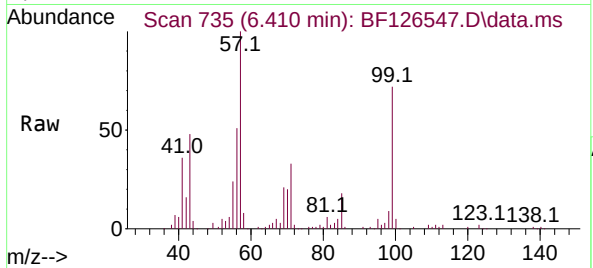




#7
Phenol-d6
Concen: 10.386 ng
RT: 6.410 min Scan# 719
Delta R.T. -0.012 min
Lab File: BF126547.D
Acq: 7 Jan 2022 17:41

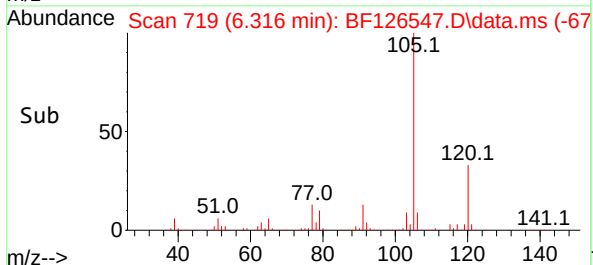
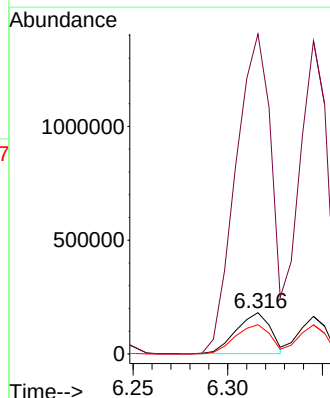
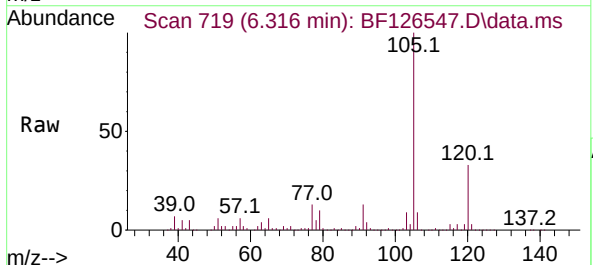
Instrument :
BNA_F
ClientSampleId :
HSB-5-(11.5-12)DL

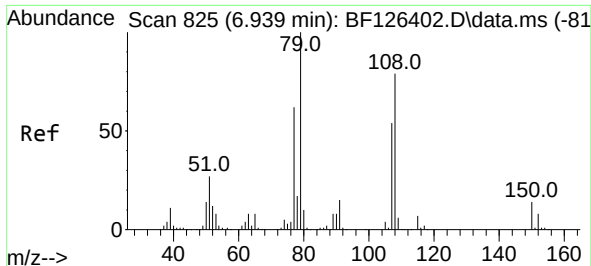
Tgt Ion: 99 Resp: 109609
Ion Ratio Lower Upper
99 100
42 22.2 14.2 21.4#
71 45.2 24.3 36.5#



#9
Benzaldehyde
Concen: 34.666 ng
RT: 6.316 min Scan# 719
Delta R.T. -0.018 min
Lab File: BF126547.D
Acq: 7 Jan 2022 17:41

Tgt Ion: 77 Resp: 226487
Ion Ratio Lower Upper
77 100
105 773.8 74.9 114.9#
106 70.9 72.4 112.4#

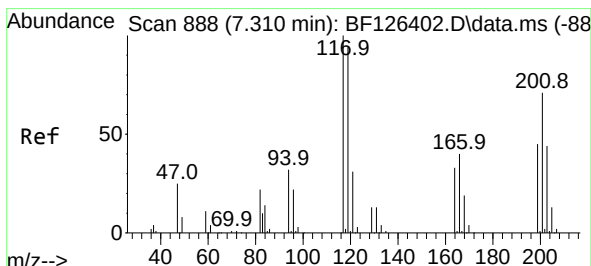
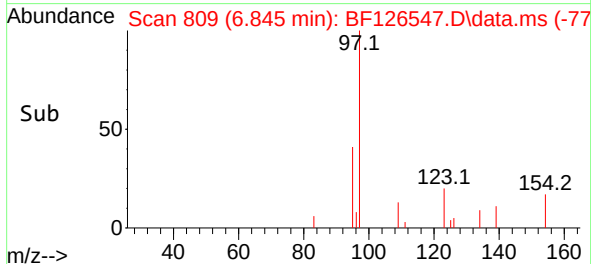
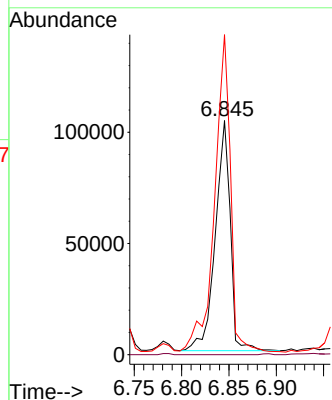
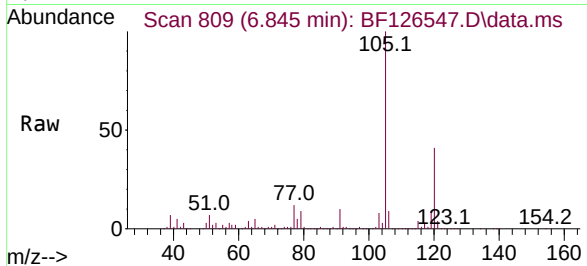




#15
Benzyl Alcohol
Concen: 15.449 ng
RT: 6.845 min Scan# 809
Delta R.T. -0.082 min
Lab File: BF126547.D
Acq: 7 Jan 2022 17:41

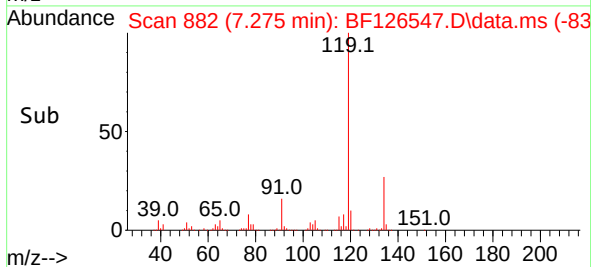
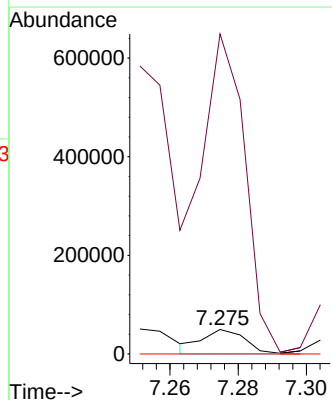
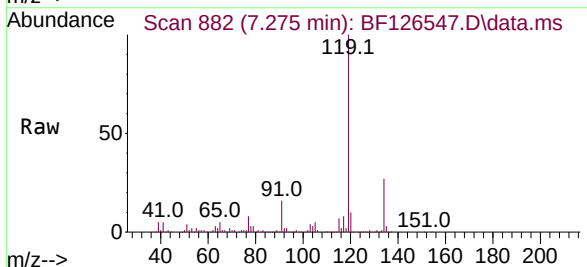
Instrument :
BNA_F
ClientSampleId :
HSB-5-(11.5-12)DL

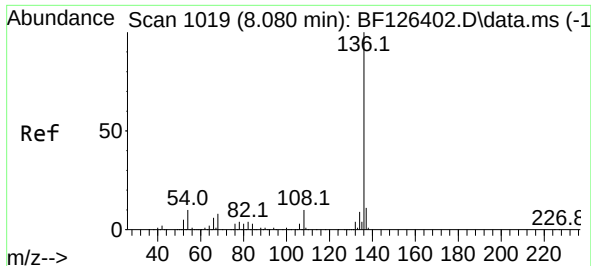
Tgt Ion: 79 Resp: 114080
Ion Ratio Lower Upper
79 100
108 0.0 63.2 94.8#
77 136.7 49.4 74.2#



#18
Hexachloroethane
Concen: 13.277 ng
RT: 7.275 min Scan# 882
Delta R.T. -0.024 min
Lab File: BF126547.D
Acq: 7 Jan 2022 17:41

Tgt Ion: 117 Resp: 42876
Ion Ratio Lower Upper
117 100
119 1309.7 75.4 113.0#
201 0.0 56.8 85.2#



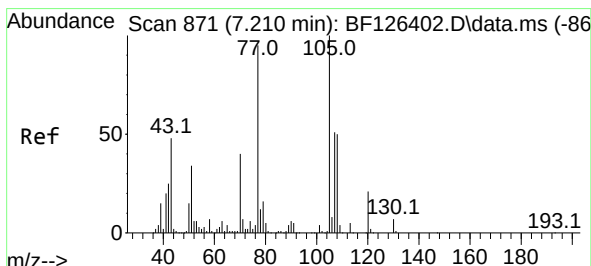
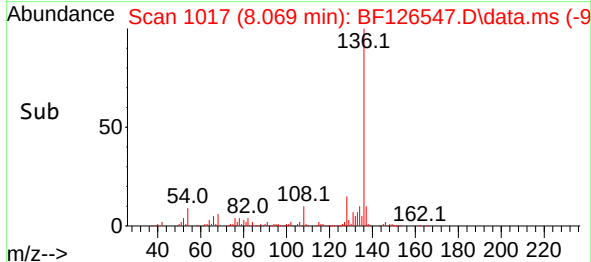
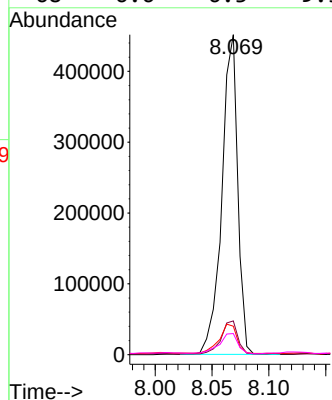
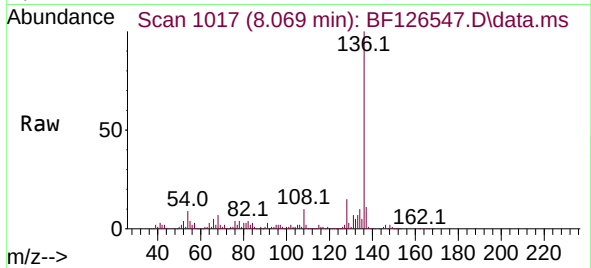


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.069 min Scan# 1019
Delta R.T. 0.000 min
Lab File: BF126547.D
Acq: 7 Jan 2022 17:41

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

Tgt Ion:136 Resp: 439197

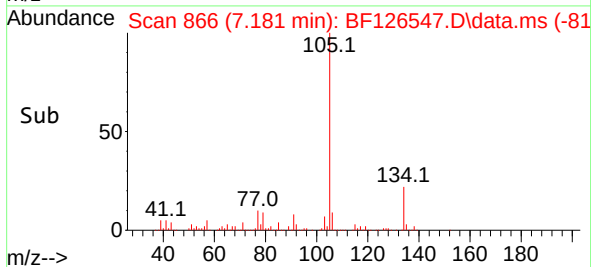
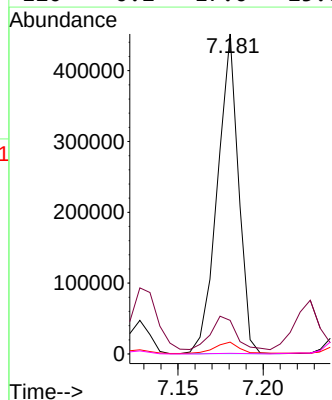
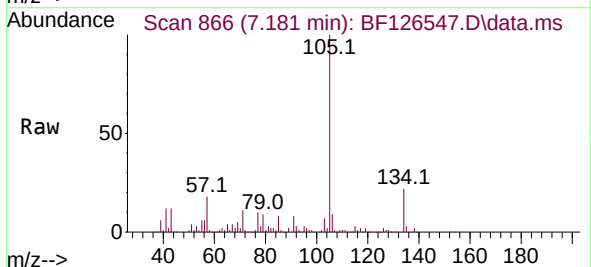
Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.6	13.0
54	8.9	7.8	11.6
68	6.6	6.3	9.5

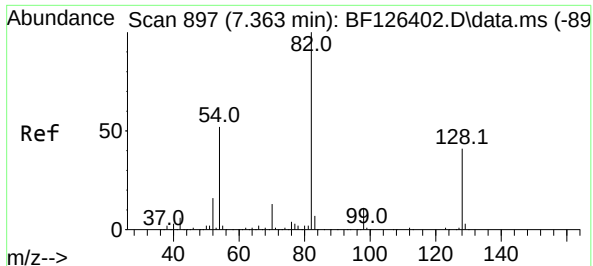


#22
Acetophenone
Concen: 38.184 ng
RT: 7.181 min Scan# 866
Delta R.T. -0.018 min
Lab File: BF126547.D
Acq: 7 Jan 2022 17:41

Tgt Ion:105 Resp: 387700

Ion	Ratio	Lower	Upper
105	100		
71	10.5	5.4	8.0#
51	3.7	27.4	41.0#
120	0.2	17.0	25.6#





#23

Nitrobenzene-d5

Concen: 7.949 ng

RT: 7.339 min Scan# 897

Delta R.T. -0.012 min

Lab File: BF126547.D

Acq: 7 Jan 2022 17:41

Instrument :

BNA_F

ClientSampleId :

HSB-5-(11.5-12)DL

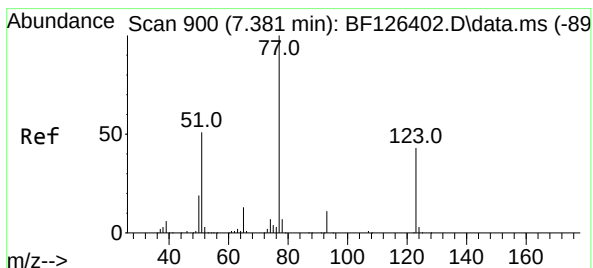
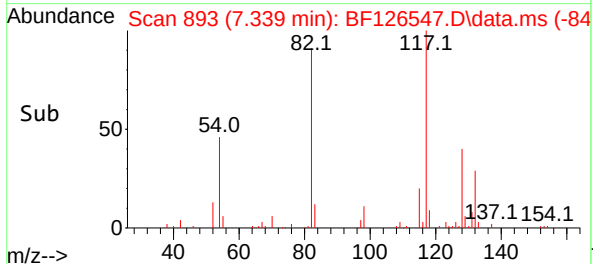
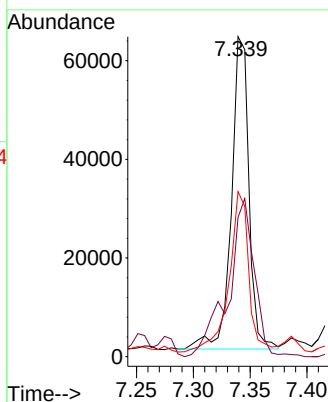
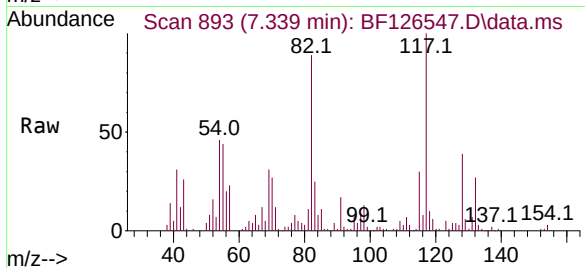
Tgt Ion: 82 Resp: 67989

Ion Ratio Lower Upper

82 100

128 43.5 32.7 49.1

54 51.6 41.7 62.5



#24

Nitrobenzene

Concen: 2.469 ng

RT: 7.357 min Scan# 896

Delta R.T. -0.012 min

Lab File: BF126547.D

Acq: 7 Jan 2022 17:41

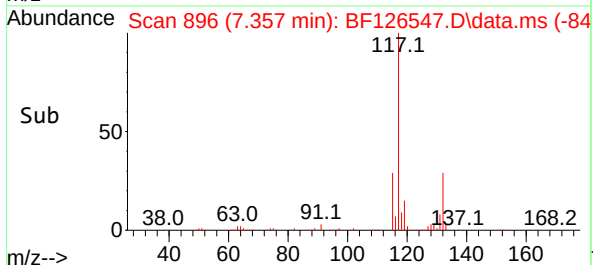
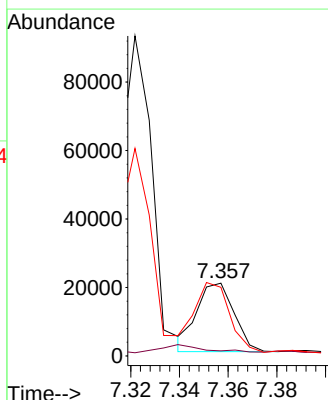
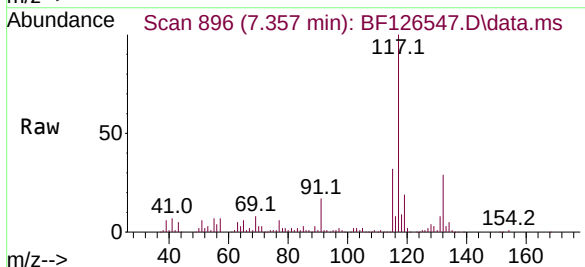
Tgt Ion: 77 Resp: 21134

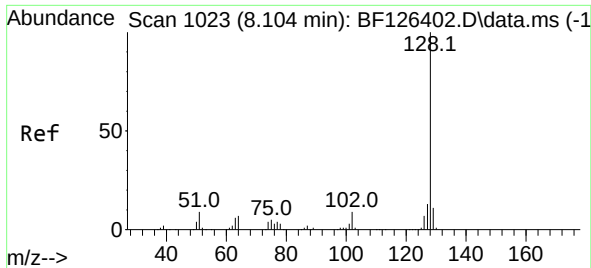
Ion Ratio Lower Upper

77 100

123 7.1 34.6 52.0#

65 94.2 10.6 15.8#

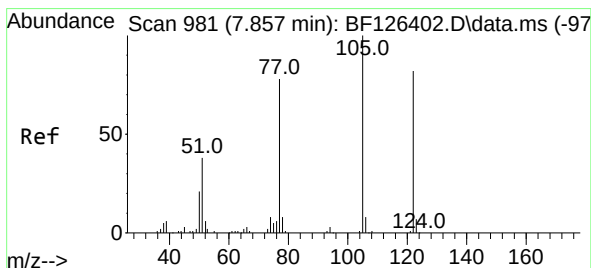
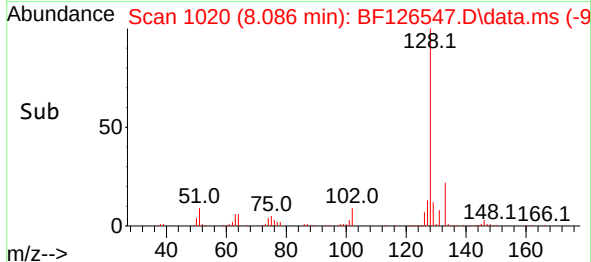
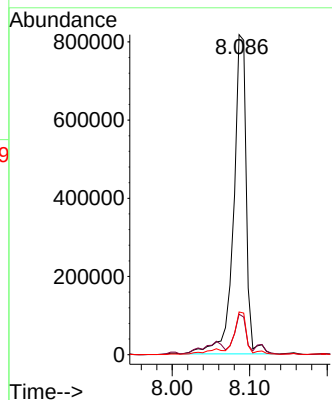
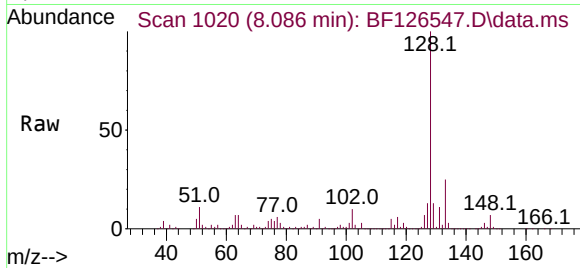




#31
Naphthalene
Concen: 45.048 ng
RT: 8.086 min Scan# 1020
Delta R.T. -0.006 min
Lab File: BF126547.D
Acq: 7 Jan 2022 17:41

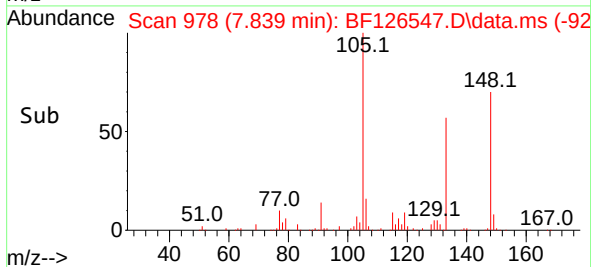
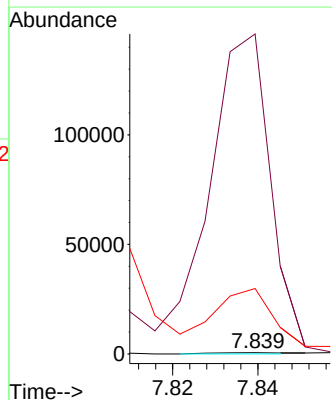
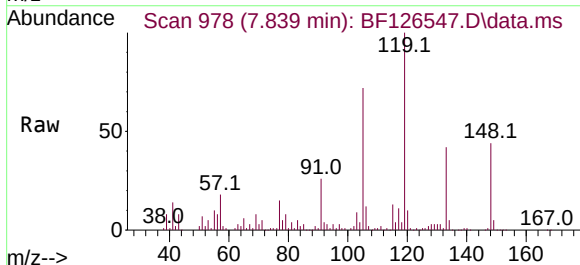
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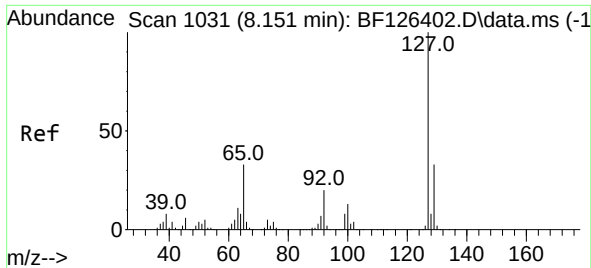
Tgt Ion:128 Resp: 933852
Ion Ratio Lower Upper
128 100
129 12.6 8.6 13.0
127 13.3 10.3 15.5



#32
Benzoic acid
Concen: 7.210 ng
RT: 7.839 min Scan# 978
Delta R.T. -0.006 min
Lab File: BF126547.D
Acq: 7 Jan 2022 17:41

Tgt Ion:122 Resp: 676
Ion Ratio Lower Upper
122 100
105 23330.4 101.0 141.0#
77 4773.2 74.5 114.5#

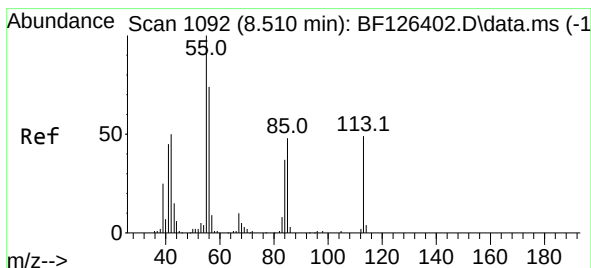
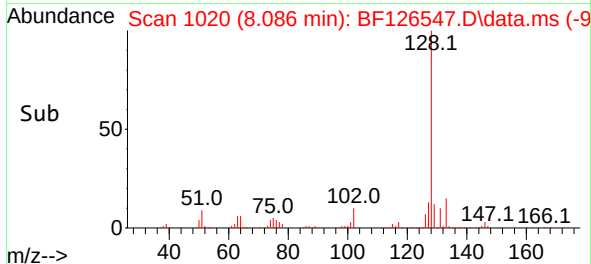
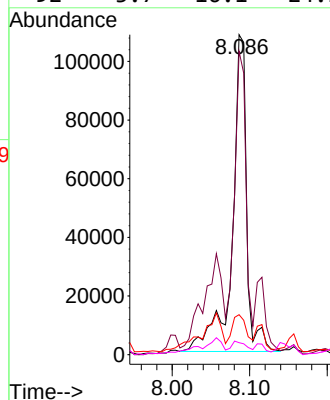
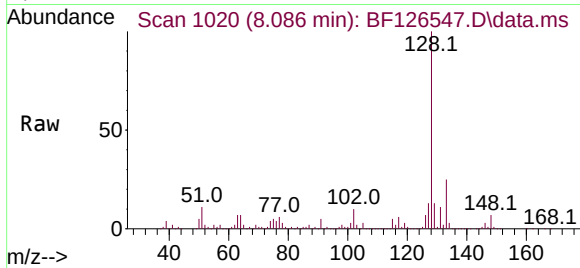




#33
4-Chloroaniline
Concen: 16.160 ng
RT: 8.086 min Scan# 1089
Delta R.T. -0.053 min
Lab File: BF126547.D
Acq: 7 Jan 2022 17:41

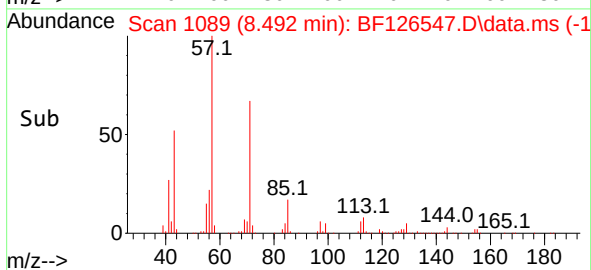
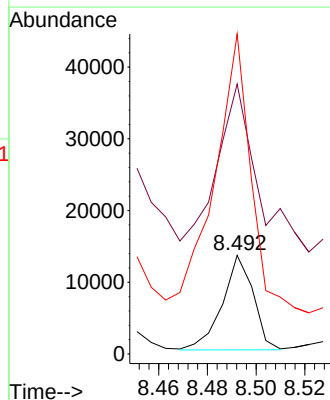
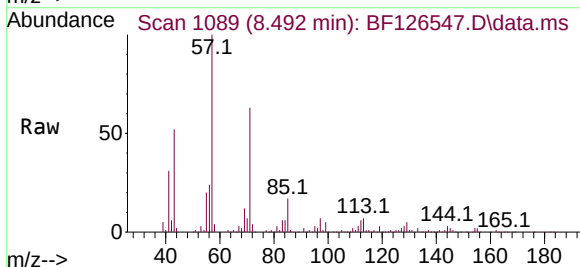
Instrument :
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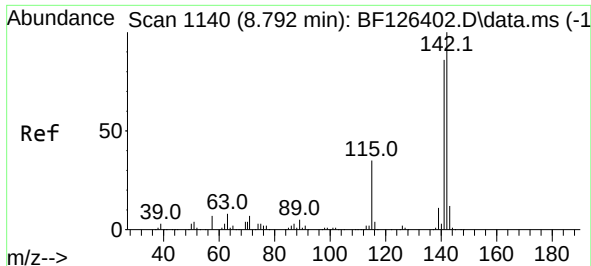
Tgt Ion:127 Resp: 140341
Ion Ratio Lower Upper
127 100
129 94.8 26.5 39.7#
65 12.5 26.6 39.8#
92 3.7 16.1 24.1#



#35
Caprolactam
Concen: 8.468 ng
RT: 8.492 min Scan# 1089
Delta R.T. -0.012 min
Lab File: BF126547.D
Acq: 7 Jan 2022 17:41

Tgt Ion:113 Resp: 11670
Ion Ratio Lower Upper
113 100
55 273.7 183.9 223.9#
56 324.5 129.9 169.9#





#37

2-Methylnaphthalene

Concen: 49.710 ng

RT: 8.780 min Scan# 1140

Delta R.T. 0.000 min

Lab File: BF126547.D

Acq: 7 Jan 2022 17:41

Instrument :

BNA_F

ClientSampleId :

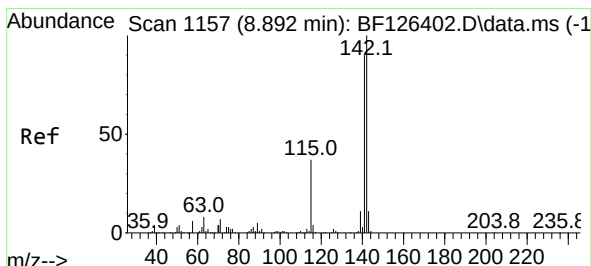
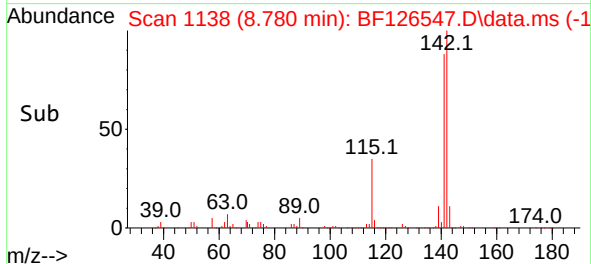
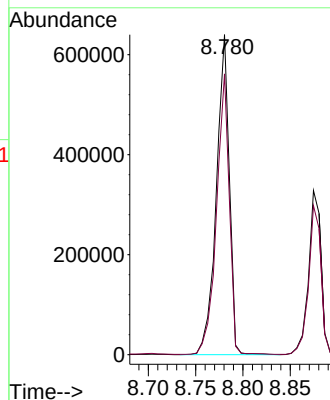
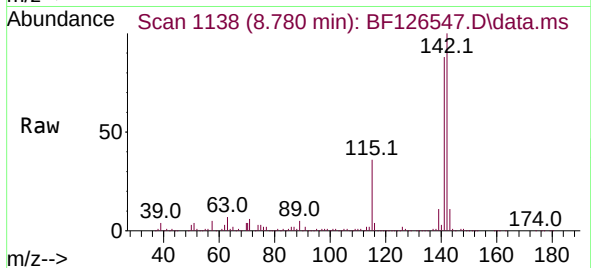
HSB-5-(11.5-12)DL

Tgt Ion:142 Resp: 607899

Ion Ratio Lower Upper

142 100

141 87.8 68.6 102.8



#38

1-Methylnaphthalene

Concen: 25.632 ng

RT: 8.875 min Scan# 1154

Delta R.T. -0.006 min

Lab File: BF126547.D

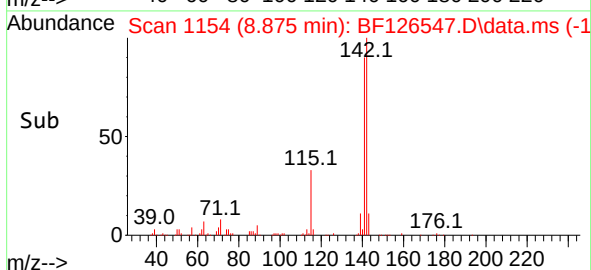
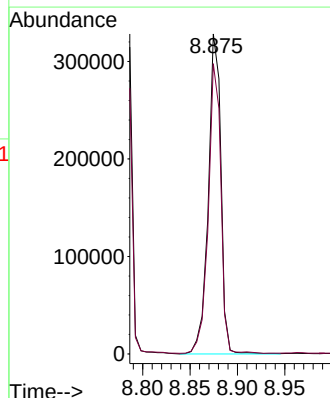
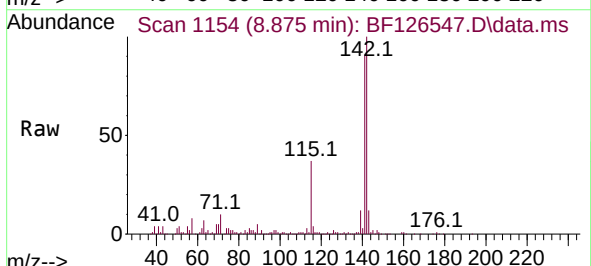
Acq: 7 Jan 2022 17:41

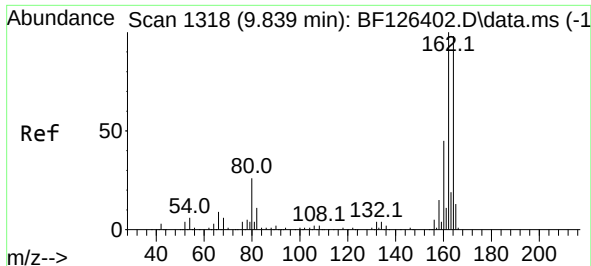
Tgt Ion:142 Resp: 303051

Ion Ratio Lower Upper

142 100

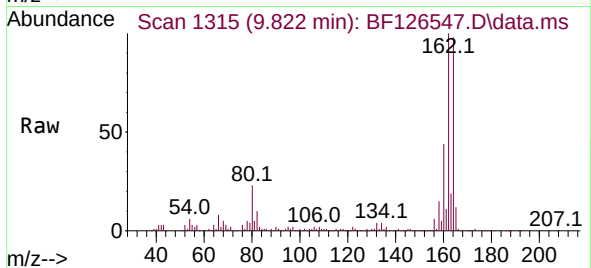
141 90.7 72.1 108.1



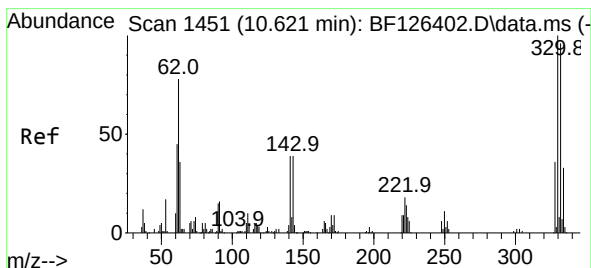
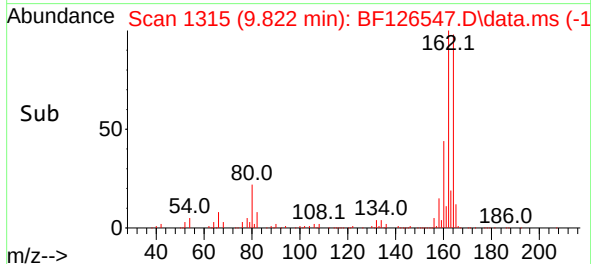
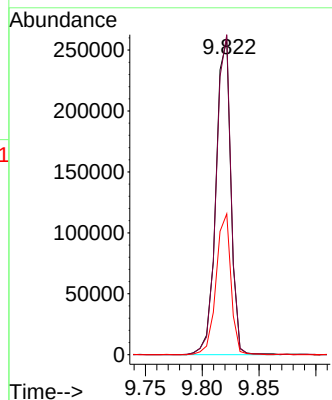


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.822 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF126547.D
Acq: 7 Jan 2022 17:41

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

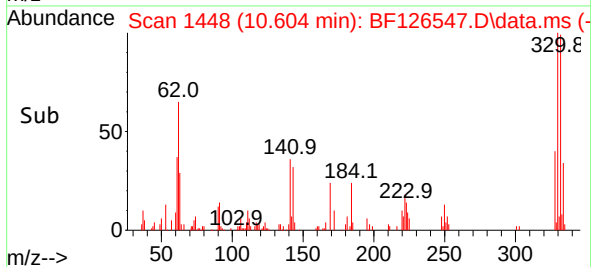
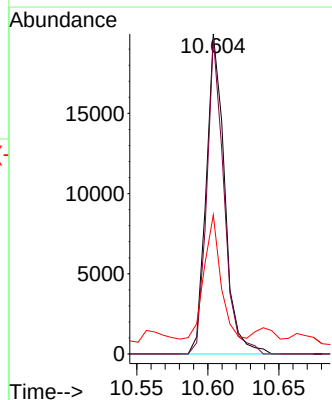
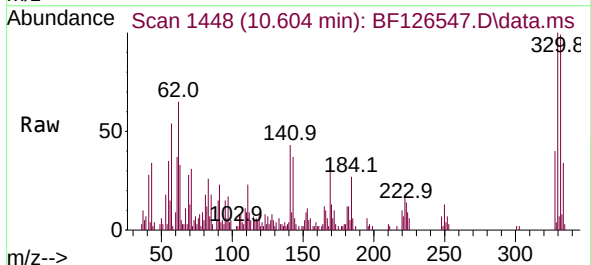


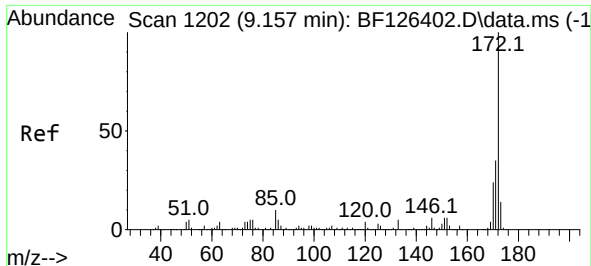
Tgt Ion:164 Resp: 237723
Ion Ratio Lower Upper
164 100
162 101.6 81.4 122.0
160 44.7 36.6 54.8



#42
2,4,6-Tribromophenol
Concen: 9.827 ng
RT: 10.604 min Scan# 1448
Delta R.T. -0.012 min
Lab File: BF126547.D
Acq: 7 Jan 2022 17:41

Tgt Ion:330 Resp: 18052
Ion Ratio Lower Upper
330 100
332 91.9 76.0 114.0
141 34.7 30.1 45.1





#45

2-Fluorobiphenyl

Concen: 7.902 ng

RT: 9.139 min Scan# 1199

Delta R.T. -0.012 min

Lab File: BF126547.D

Acq: 7 Jan 2022 17:41

Instrument :

BNA_F

ClientSampleId :

HSB-5-(11.5-12)DL

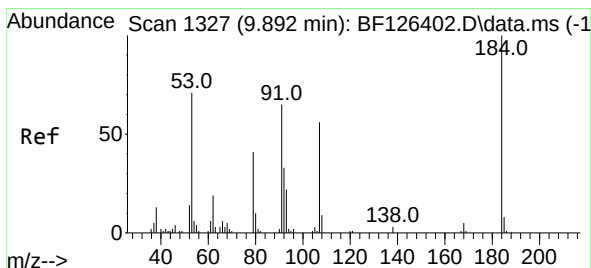
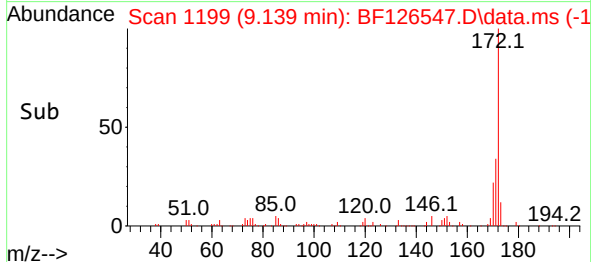
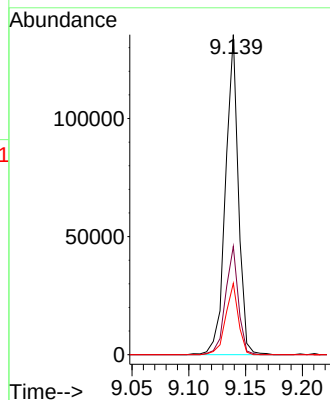
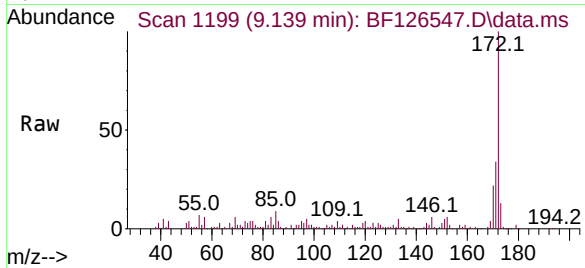
Tgt Ion:172 Resp: 106749

Ion Ratio Lower Upper

172 100

171 33.8 28.3 42.5

170 22.3 19.0 28.6



#54

2,4-Dinitrophenol

Concen: 4.441 ng

RT: 10.104 min Scan# 1363

Delta R.T. 0.218 min

Lab File: BF126547.D

Acq: 7 Jan 2022 17:41

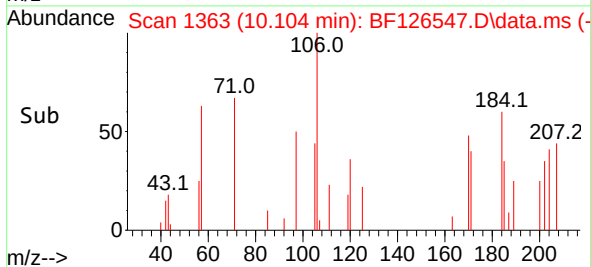
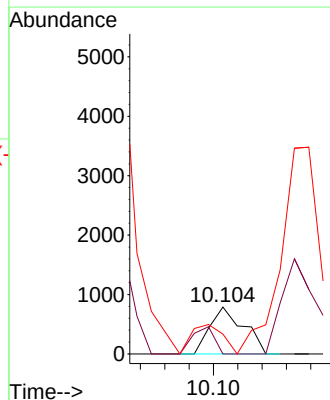
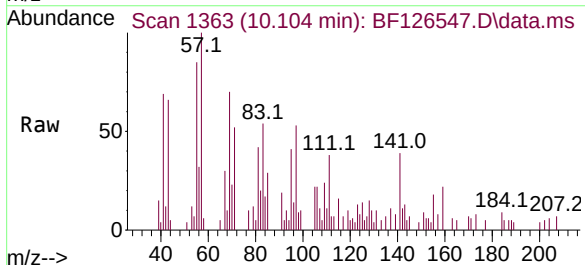
Tgt Ion:184 Resp: 758

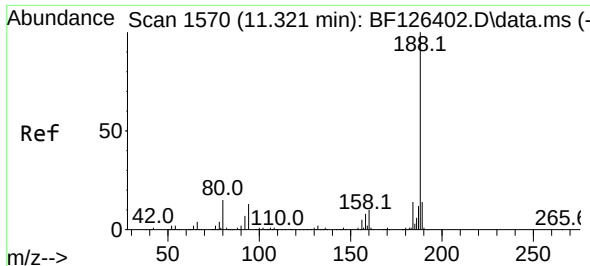
Ion Ratio Lower Upper

184 100

63 0.0 70.4 105.6#

154 42.2 49.7 74.5#

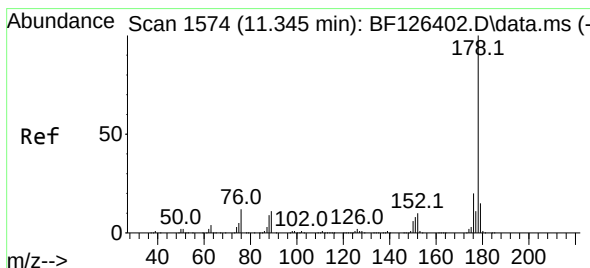
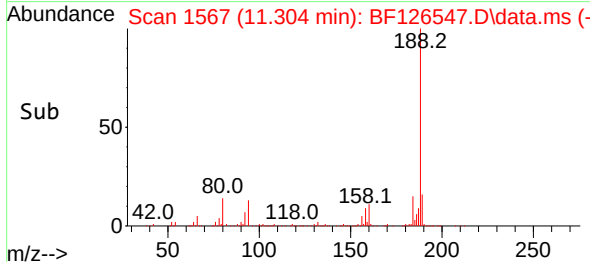
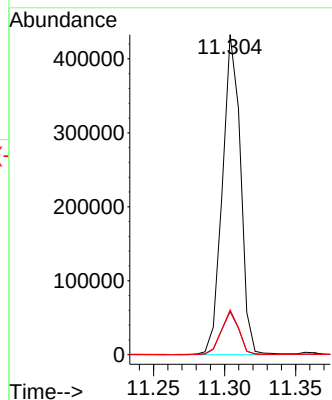
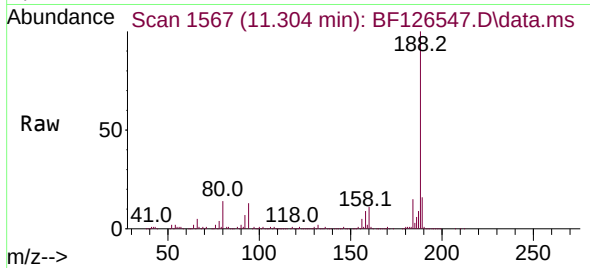




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.304 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF126547.D
Acq: 7 Jan 2022 17:41

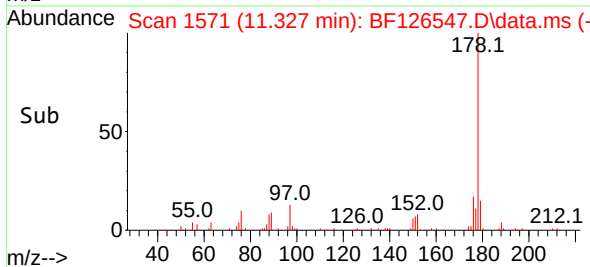
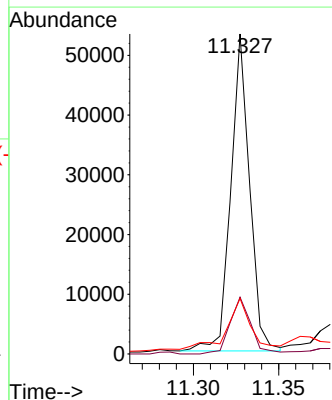
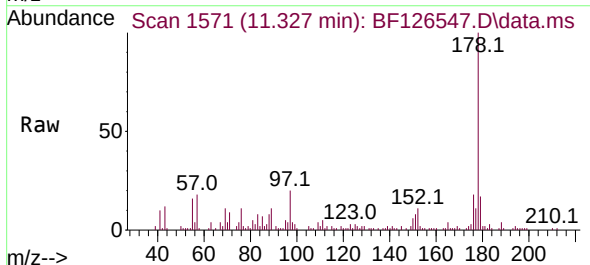
Instrument :
BNA_F
ClientSampleId :
HSB-5-(11.5-12)DL

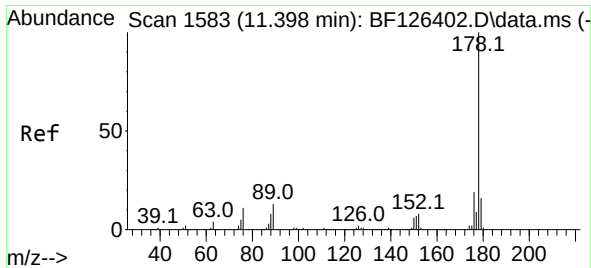
Tgt Ion:188 Resp: 383007
Ion Ratio Lower Upper
188 100
94 13.5 10.1 15.1
80 14.0 11.8 17.6



#71
Phenanthrene
Concen: 2.079 ng
RT: 11.327 min Scan# 1571
Delta R.T. -0.006 min
Lab File: BF126547.D
Acq: 7 Jan 2022 17:41

Tgt Ion:178 Resp: 40709
Ion Ratio Lower Upper
178 100
176 17.7 15.7 23.5
179 17.4 12.3 18.5

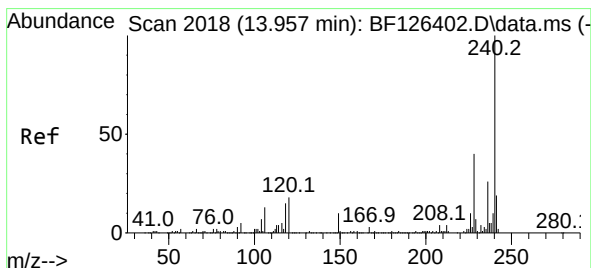
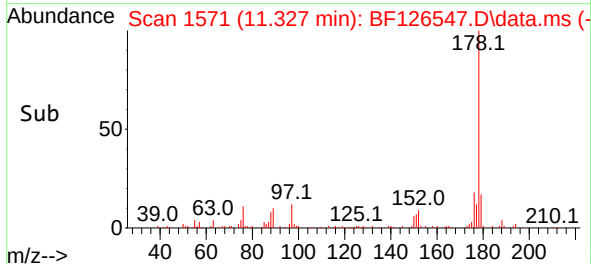
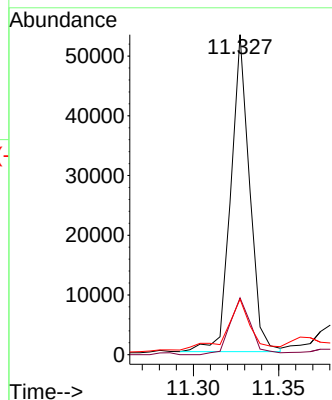
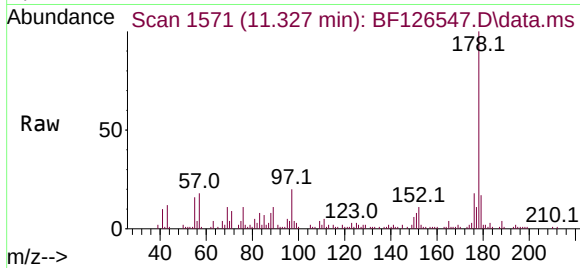




#72
 Anthracene
 Concen: 2.078 ng
 RT: 11.327 min Scan# 11
 Delta R.T. -0.059 min
 Lab File: BF126547.D
 Acq: 7 Jan 2022 17:41

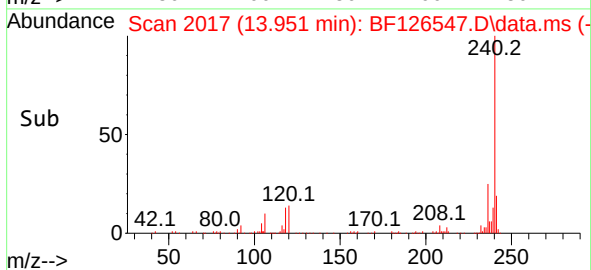
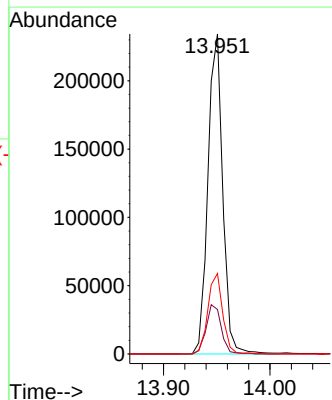
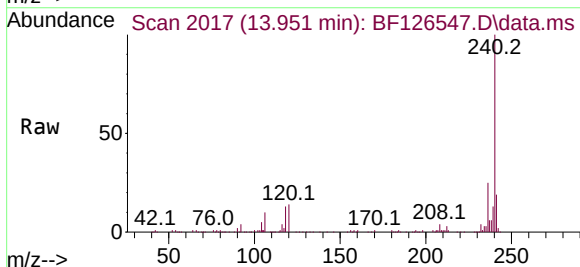
Instrument :
 BNA_F
 ClientSampleId :
 HSB-5-(11.5-12)DL

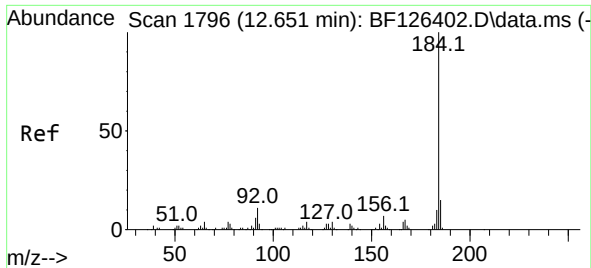
Tgt Ion:178 Resp: 40709
 Ion Ratio Lower Upper
 178 100
 176 17.7 15.0 22.6
 179 17.4 12.5 18.7



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.951 min Scan# 2017
 Delta R.T. 0.000 min
 Lab File: BF126547.D
 Acq: 7 Jan 2022 17:41

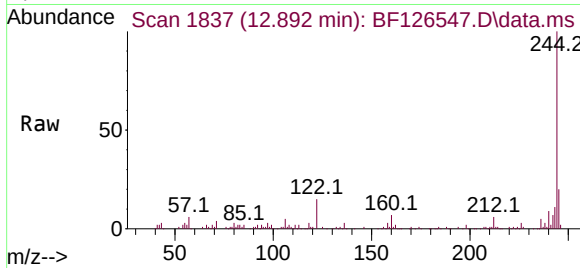
Tgt Ion:240 Resp: 226203
 Ion Ratio Lower Upper
 240 100
 120 13.9 14.4 21.6#
 236 25.1 20.5 30.7



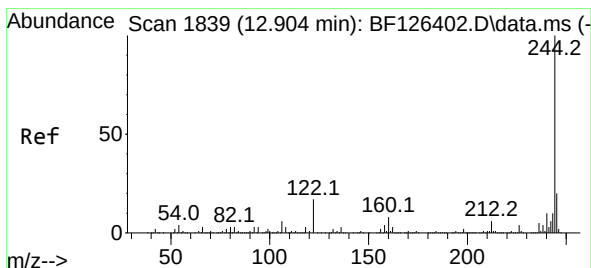
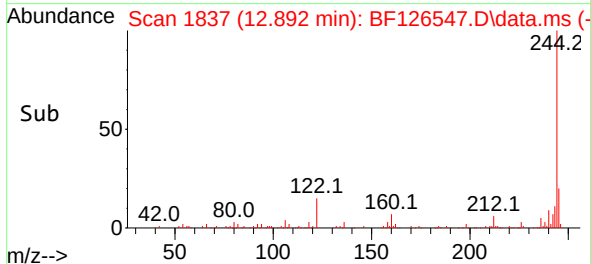
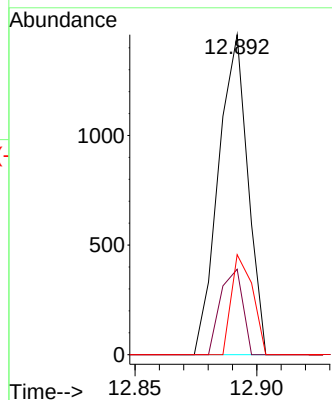


#77
Benzidine
Concen: Below Cal
RT: 12.892 min Scan# 1837
Delta R.T. 0.253 min
Lab File: BF126547.D
Acq: 7 Jan 2022 17:41

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

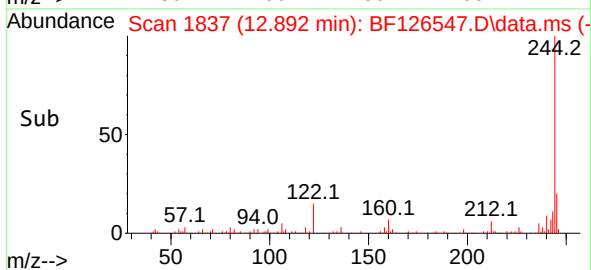
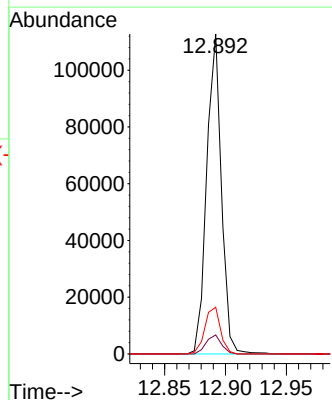
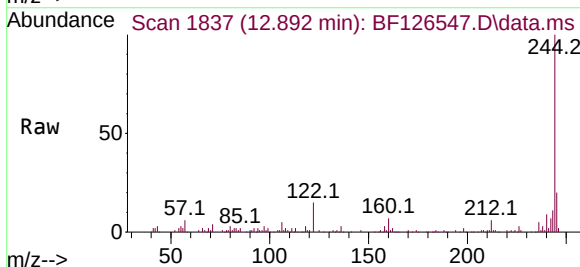


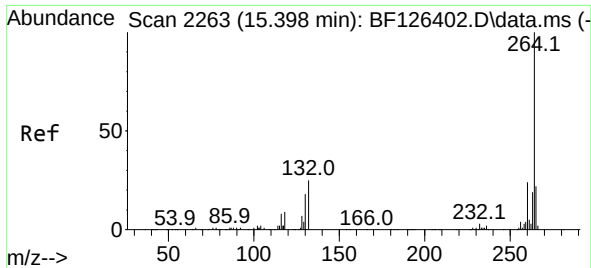
Tgt Ion:184 Resp: 1225
Ion Ratio Lower Upper
184 100
185 26.7 11.8 17.8#
183 31.2 8.2 12.2#



#79
Terphenyl-d14
Concen: 8.134 ng
RT: 12.892 min Scan# 1837
Delta R.T. -0.006 min
Lab File: BF126547.D
Acq: 7 Jan 2022 17:41

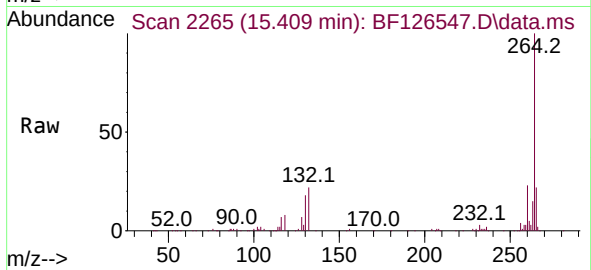
Tgt Ion:244 Resp: 94702
Ion Ratio Lower Upper
244 100
212 5.9 5.0 7.4
122 14.6 13.3 19.9





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.409 min Scan# 21
 Delta R.T. 0.024 min
 Lab File: BF126547.D
 Acq: 7 Jan 2022 17:41

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



Tgt Ion:264 Resp: 195385
 Ion Ratio Lower Upper
 264 100
 260 23.1 19.2 28.8
 265 21.9 17.4 26.2

