

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011022\
 Data File : BF126564.D
 Acq On : 10 Jan 2022 14:22
 Operator : JU/CG
 Sample : M5011-17DL 25X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

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

Quant Time: Jan 10 17:16:33 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122921.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 10 14:50:31 2022
 Response via : Initial Calibration

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

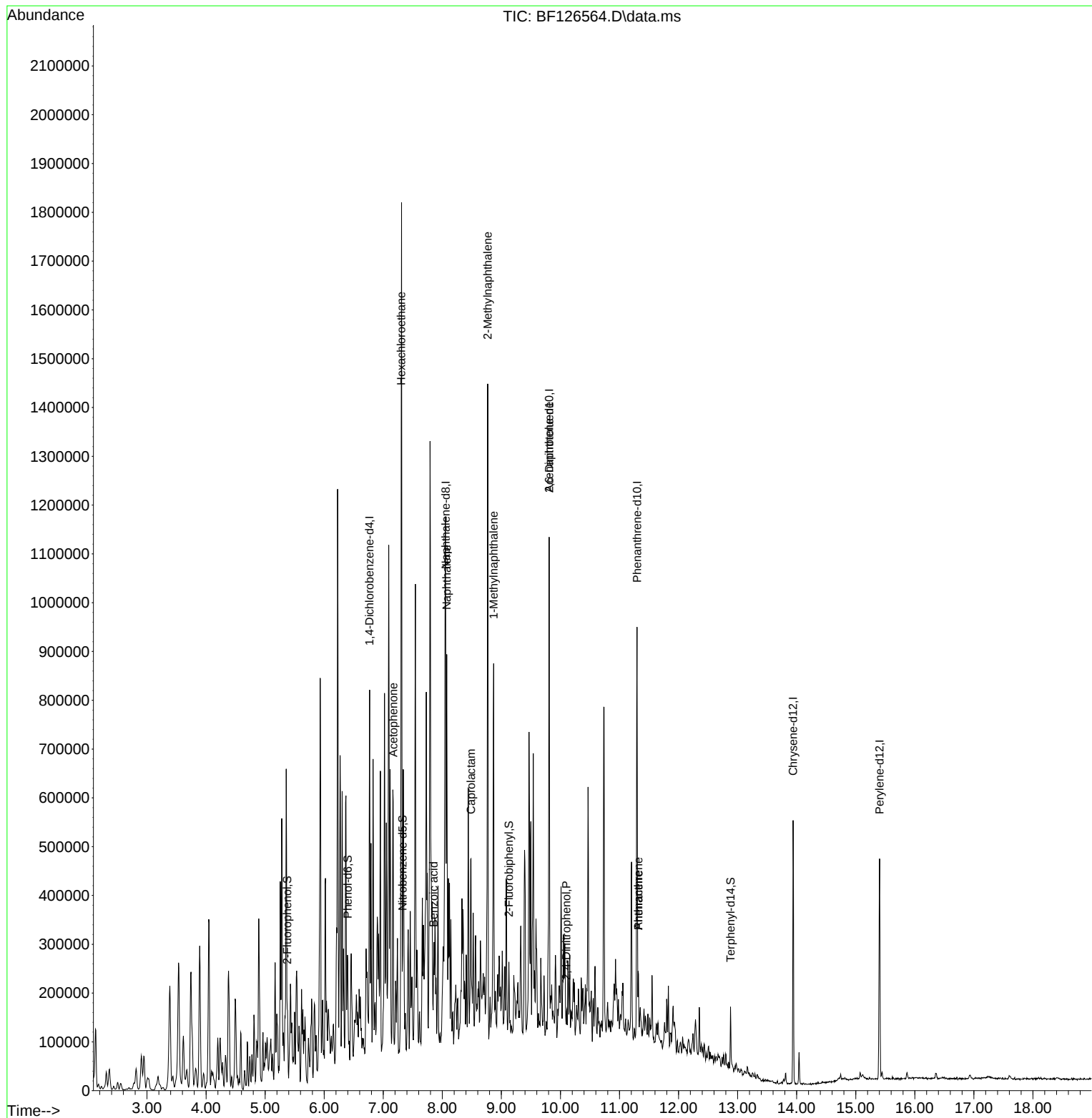
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.769	152	93771	20.000	ng	0.00
21) Naphthalene-d8	8.057	136	388218	20.000	ng	# 0.00
39) Acenaphthene-d10	9.810	164	188106	20.000	ng	0.00
64) Phenanthrene-d10	11.298	188	294248	20.000	ng	# 0.00
76) Chrysene-d12	13.939	240	175404	20.000	ng	0.00
86) Perylene-d12	15.404	264	188829	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.375	112	18182	2.784	ng	0.00
7) Phenol-d6	6.398	99	32196	3.807	ng	-0.01
23) Nitrobenzene-d5	7.328	82	25196	3.332	ng	-0.01
42) 2,4,6-Tribromophenol	10.598	330	2217	1.525	ng	0.00
45) 2-Fluorobiphenyl	9.128	172	36548	3.419	ng	-0.01
79) Terphenyl-d14	12.880	244	28047	3.107	ng	-0.01
Target Compounds						
						Qvalue
18) Hexachloroethane	7.304	117	88069	34.031	ng	# 1
22) Acetophenone	7.169	105	101571	11.317	ng	# 50
31) Naphthalene	8.075	128	167754	9.155	ng	# 97
32) Benzoic acid	7.851	122	511	7.190	ng	# 1
35) Caprolactam	8.486	113	8836	7.253	ng	# 58
37) 2-Methylnaphthalene	8.769	142	358442	33.160	ng	100
38) 1-Methylnaphthalene	8.869	142	198562	19.000	ng	100
51) 2,6-Dinitrotoluene	9.810	165	28111	11.085	ng	# 22
54) 2,4-Dinitrophenol	10.098	184	854	4.627	ng	# 11
71) Phenanthrene	11.322	178	44999	2.991	ng	96
72) Anthracene	11.322	178	44999	2.989	ng	97
77) Benzidine	12.880	184	373	Below Cal		# 68

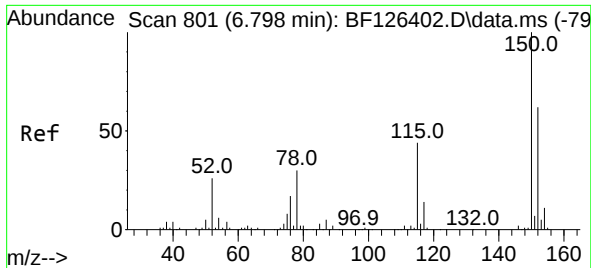
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011022\
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Quant Time: Jan 10 17:16:33 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122921.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jan 10 14:50:31 2022
Response via : Initial Calibration

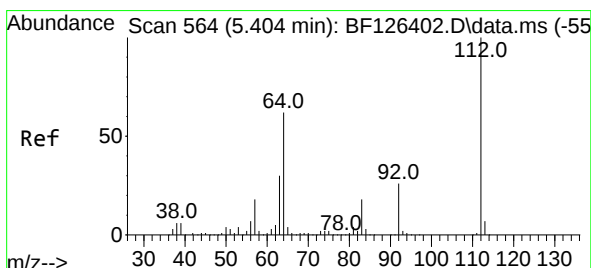
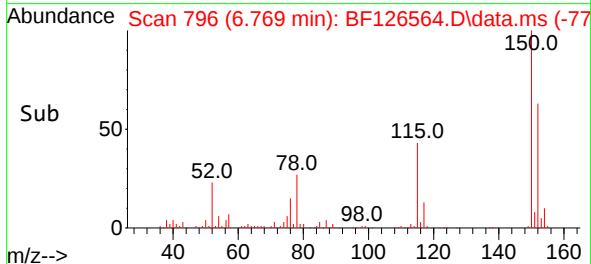
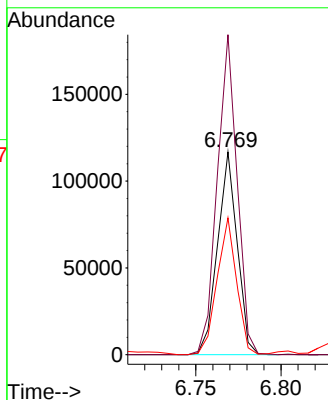
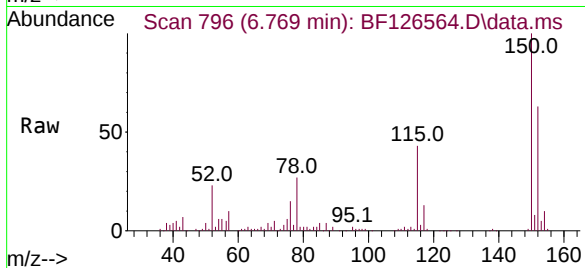




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.769 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF126564.D
Acq: 10 Jan 2022 14:22

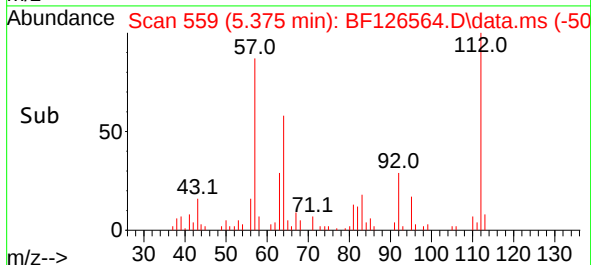
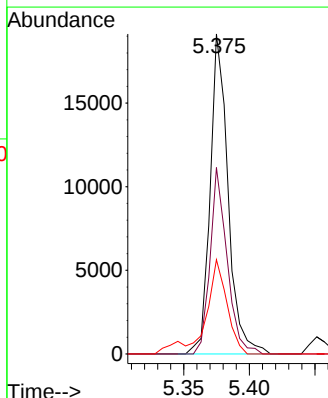
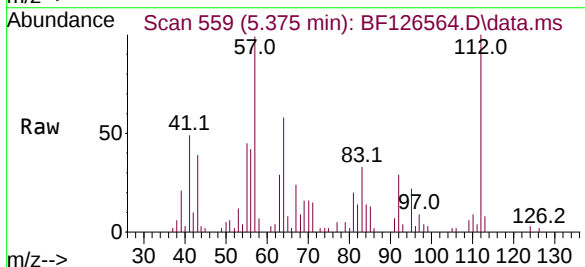
Instrument :
BNA_F
ClientSampleId :
HSB-8-(10-10.5)DL

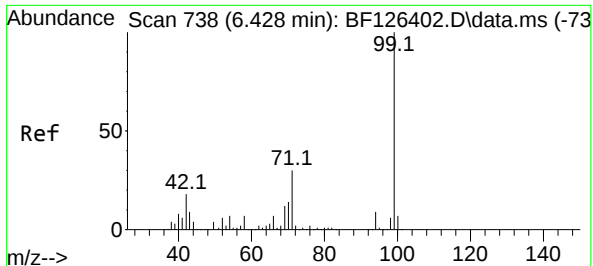
Tgt Ion:152 Resp: 93771
Ion Ratio Lower Upper
152 100
150 157.9 128.1 192.1
115 67.5 56.7 85.1



#5
2-Fluorophenol
Concen: 2.784 ng
RT: 5.375 min Scan# 559
Delta R.T. -0.006 min
Lab File: BF126564.D
Acq: 10 Jan 2022 14:22

Tgt Ion:112 Resp: 18182
Ion Ratio Lower Upper
112 100
64 58.2 49.5 74.3
63 29.5 23.9 35.9

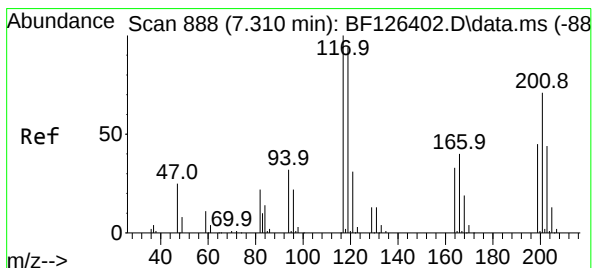
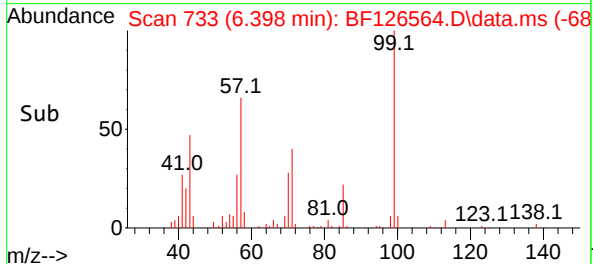
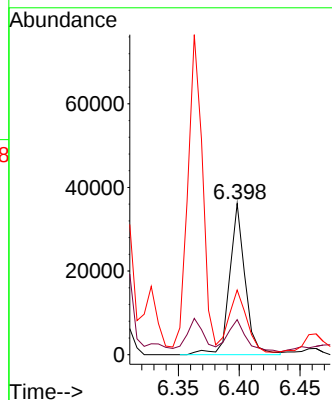
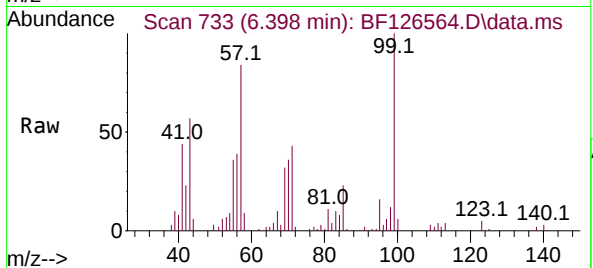




#7
Phenol-d6
Concen: 3.807 ng
RT: 6.398 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF126564.D
Acq: 10 Jan 2022 14:22

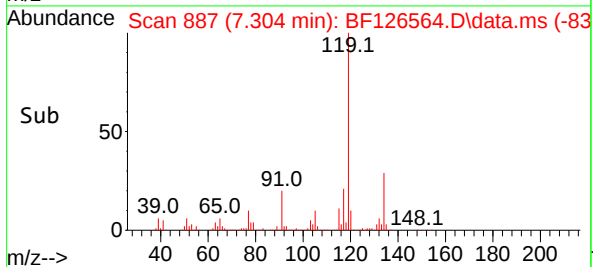
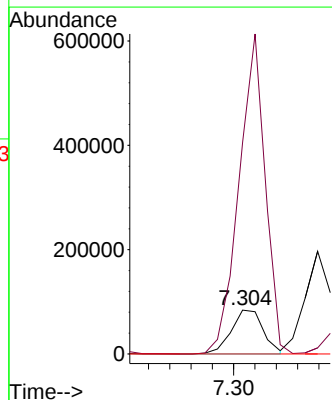
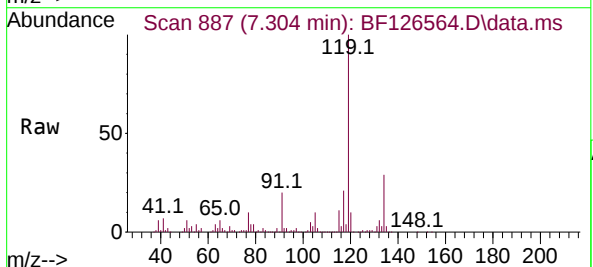
Instrument :
BNA_F
ClientSampleId :
HSB-8-(10-10.5)DL

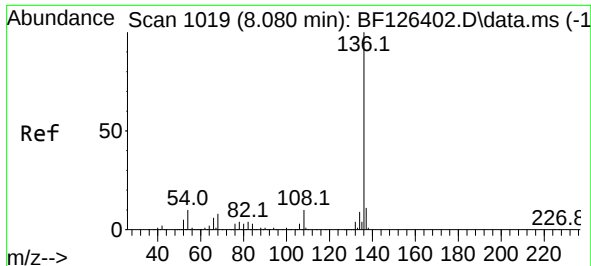
Tgt Ion: 99 Resp: 32196
Ion Ratio Lower Upper
99 100
42 23.2 14.2 21.4#
71 42.7 24.3 36.5#



#18
Hexachloroethane
Concen: 34.031 ng
RT: 7.304 min Scan# 887
Delta R.T. 0.018 min
Lab File: BF126564.D
Acq: 10 Jan 2022 14:22

Tgt Ion: 117 Resp: 88069
Ion Ratio Lower Upper
117 100
119 482.2 75.4 113.0#
201 0.0 56.8 85.2#

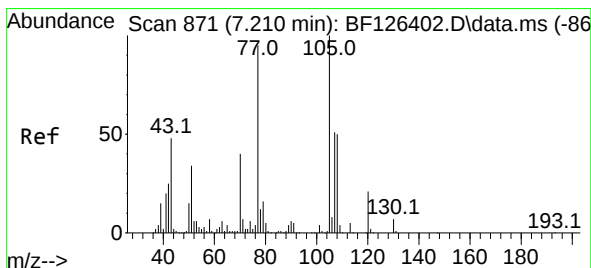
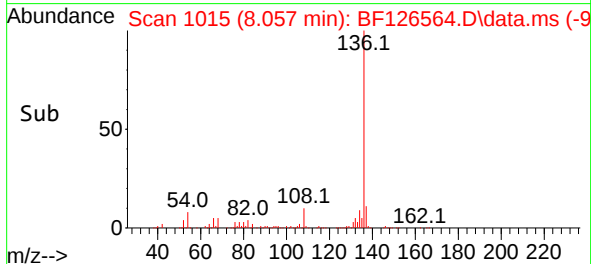
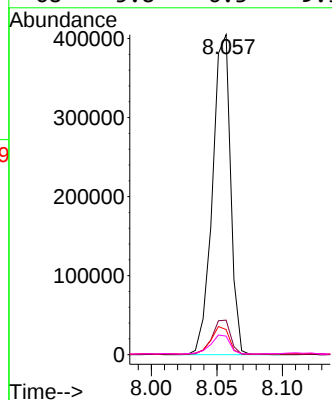
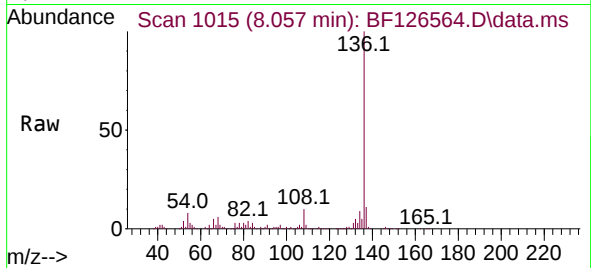




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.057 min Scan# 1015
Delta R.T. 0.000 min
Lab File: BF126564.D
Acq: 10 Jan 2022 14:22

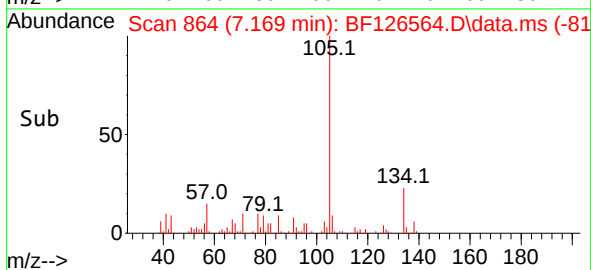
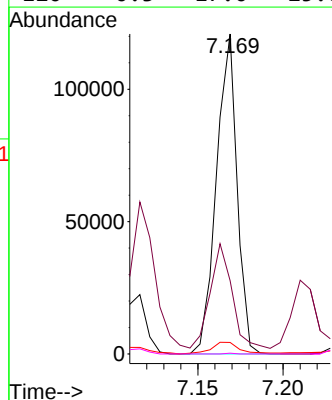
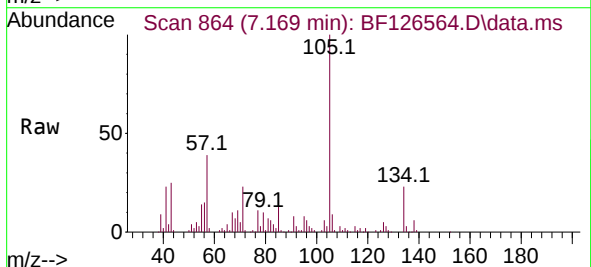
Instrument :
BNA_F
ClientSampleId :
HSB-8-(10-10.5)DL

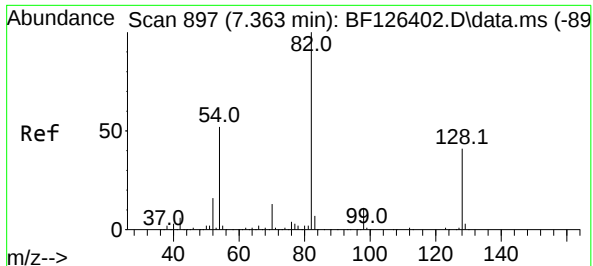
Tgt Ion:136 Resp: 388218
Ion Ratio Lower Upper
136 100
137 10.8 8.6 13.0
54 7.9 7.8 11.6
68 5.8 6.3 9.5#



#22
Acetophenone
Concen: 11.317 ng
RT: 7.169 min Scan# 864
Delta R.T. -0.018 min
Lab File: BF126564.D
Acq: 10 Jan 2022 14:22

Tgt Ion:105 Resp: 101571
Ion Ratio Lower Upper
105 100
71 22.9 5.4 8.0#
51 3.6 27.4 41.0#
120 0.3 17.0 25.6#





#23

Nitrobenzene-d5

Concen: 3.332 ng

RT: 7.328 min Scan# 89

Delta R.T. -0.012 min

Lab File: BF126564.D

Acq: 10 Jan 2022 14:22

Instrument :

BNA_F

ClientSampleId :

HSB-8-(10-10.5)DL

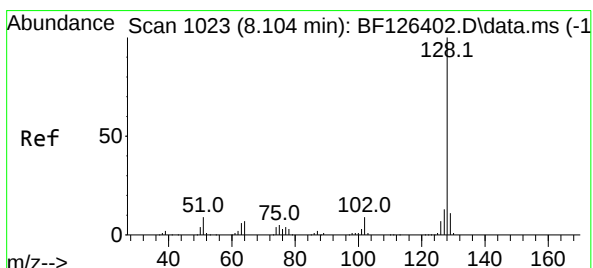
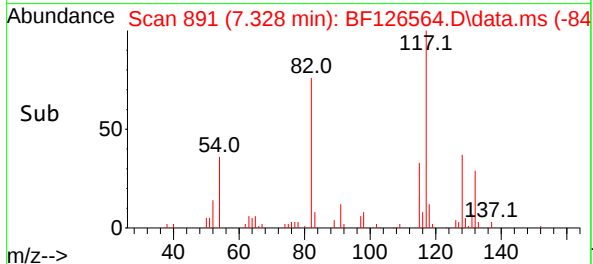
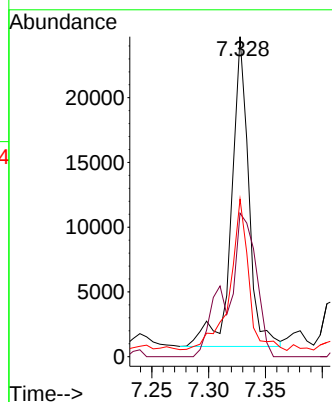
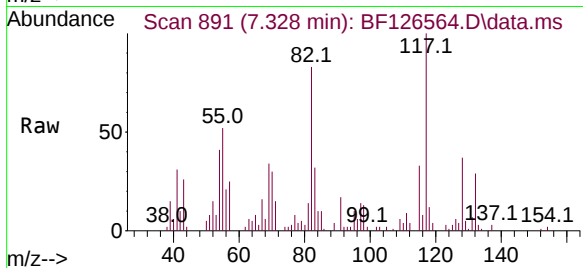
Tgt Ion: 82 Resp: 25196

Ion Ratio Lower Upper

82 100

128 44.8 32.7 49.1

54 49.3 41.7 62.5



#31

Naphthalene

Concen: 9.155 ng

RT: 8.075 min Scan# 1018

Delta R.T. -0.006 min

Lab File: BF126564.D

Acq: 10 Jan 2022 14:22

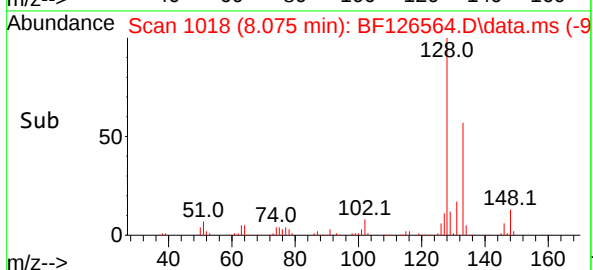
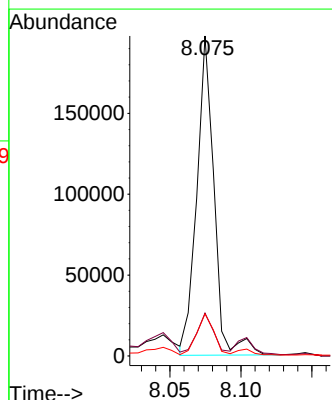
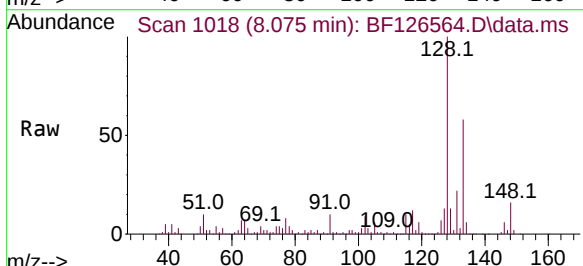
Tgt Ion: 128 Resp: 167754

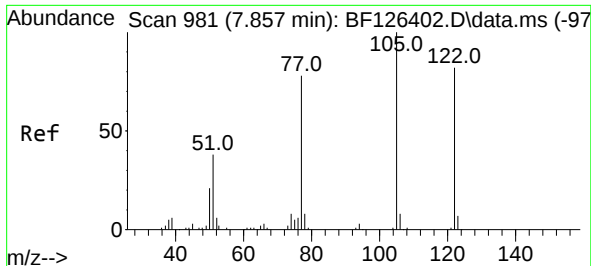
Ion Ratio Lower Upper

128 100

129 13.4 8.6 13.0#

127 13.1 10.3 15.5

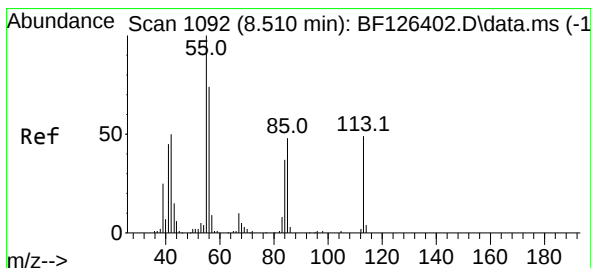
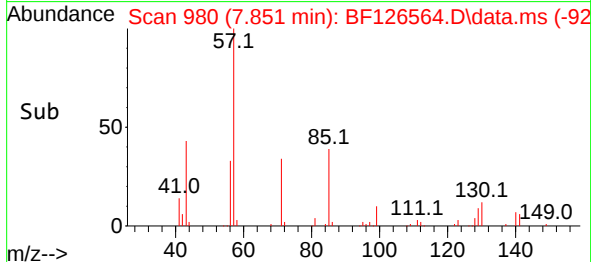
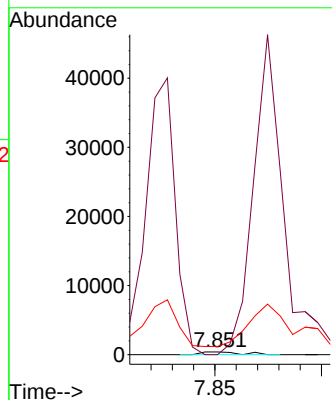
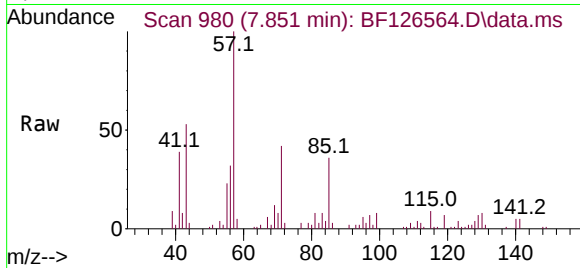




#32
Benzoic acid
Concen: 7.190 ng
RT: 7.851 min Scan# 91
Delta R.T. 0.000 min
Lab File: BF126564.D
Acq: 10 Jan 2022 14:22

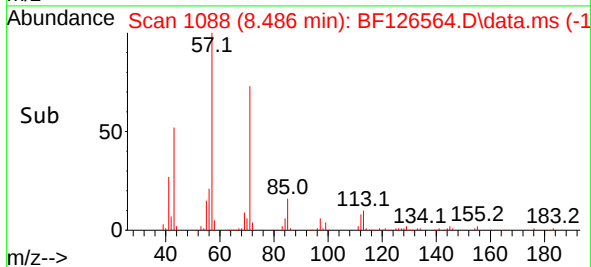
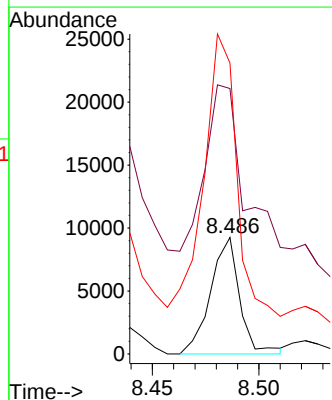
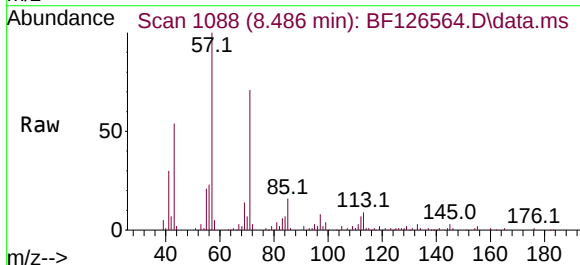
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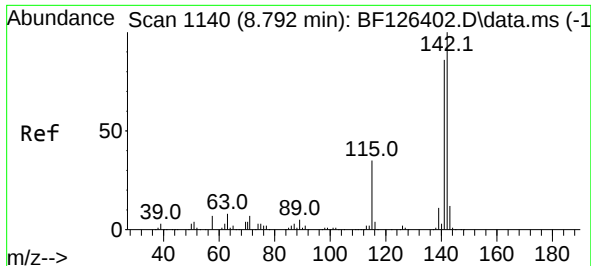
Tgt Ion:122 Resp: 511
Ion Ratio Lower Upper
122 100
105 0.0 101.0 141.0#
77 300.3 74.5 114.5#



#35
Caprolactam
Concen: 7.253 ng
RT: 8.486 min Scan# 1088
Delta R.T. -0.012 min
Lab File: BF126564.D
Acq: 10 Jan 2022 14:22

Tgt Ion:113 Resp: 8836
Ion Ratio Lower Upper
113 100
55 227.7 183.9 223.9#
56 249.6 129.9 169.9#

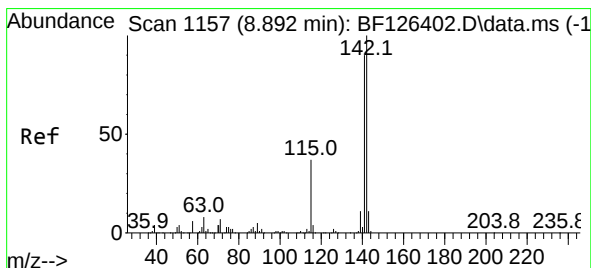
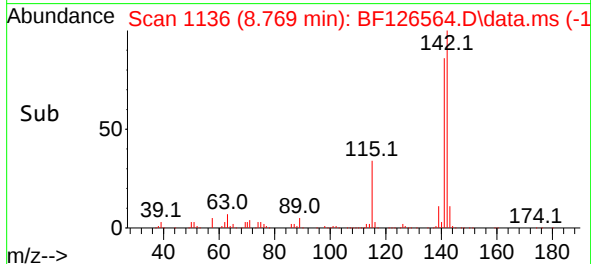
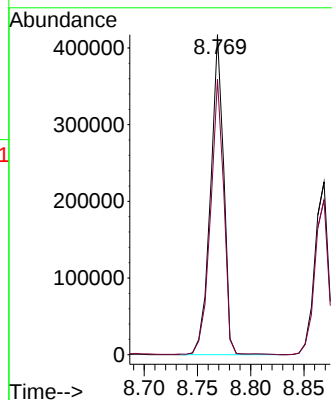
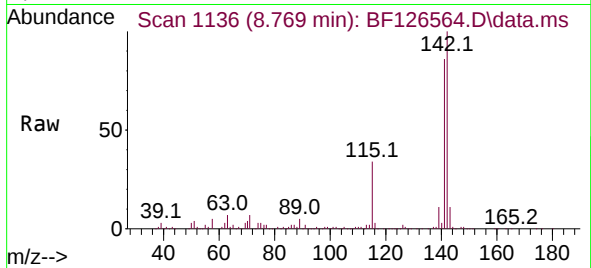




#37
2-Methylnaphthalene
Concen: 33.160 ng
RT: 8.769 min Scan# 1136
Delta R.T. 0.000 min
Lab File: BF126564.D
Acq: 10 Jan 2022 14:22

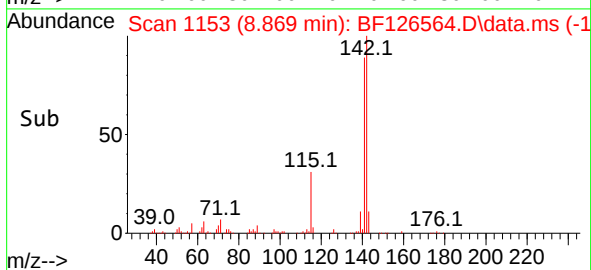
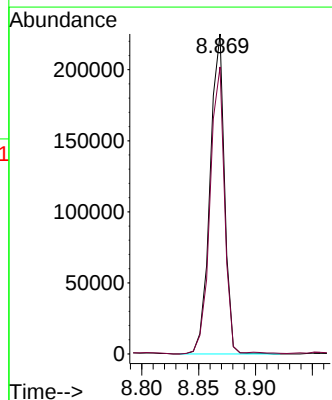
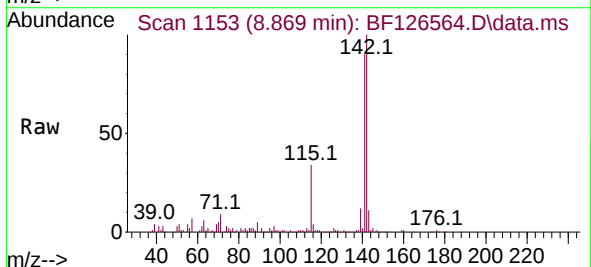
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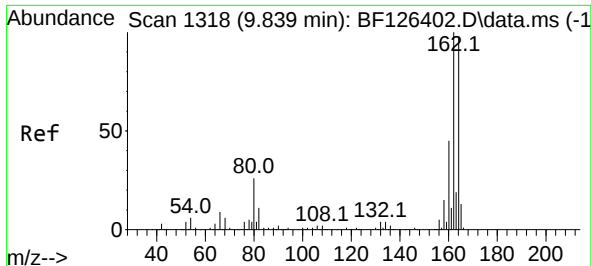
Tgt Ion:142 Resp: 358442
Ion Ratio Lower Upper
142 100
141 86.0 68.6 102.8



#38
1-Methylnaphthalene
Concen: 19.000 ng
RT: 8.869 min Scan# 1153
Delta R.T. 0.000 min
Lab File: BF126564.D
Acq: 10 Jan 2022 14:22

Tgt Ion:142 Resp: 198562
Ion Ratio Lower Upper
142 100
141 89.7 72.1 108.1





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.810 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF126564.D

Acq: 10 Jan 2022 14:22

Instrument :

BNA_F

ClientSampleId :

HSB-8-(10-10.5)DL

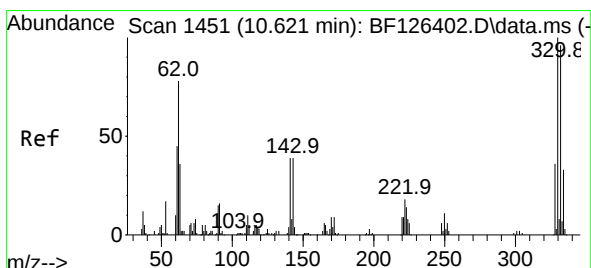
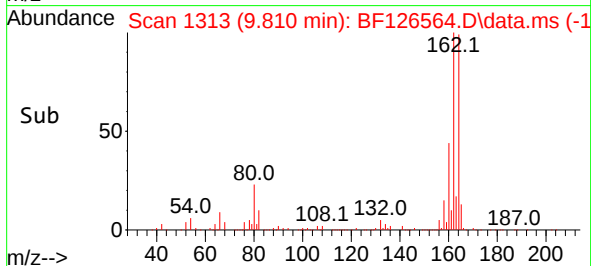
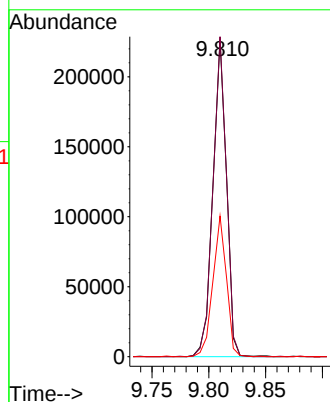
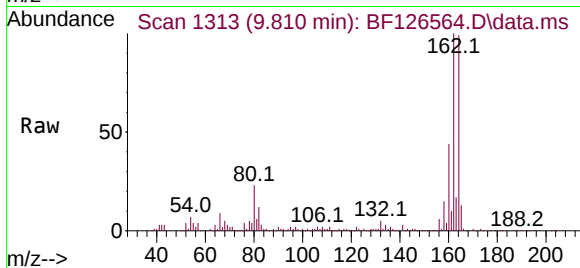
Tgt Ion:164 Resp: 188106

Ion Ratio Lower Upper

164 100

162 101.0 81.4 122.0

160 44.4 36.6 54.8



#42

2,4,6-Tribromophenol

Concen: 1.525 ng

RT: 10.598 min Scan# 1447

Delta R.T. -0.006 min

Lab File: BF126564.D

Acq: 10 Jan 2022 14:22

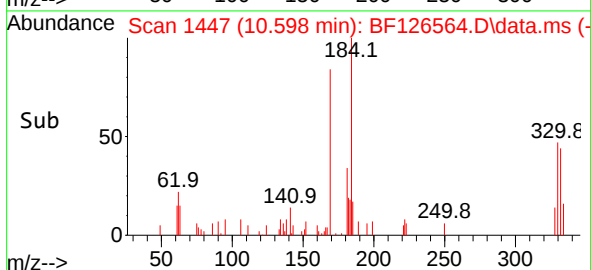
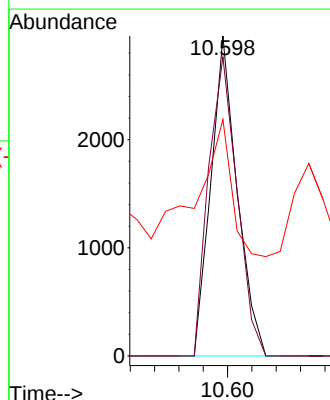
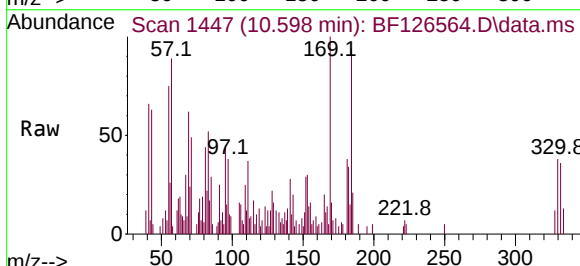
Tgt Ion:330 Resp: 2217

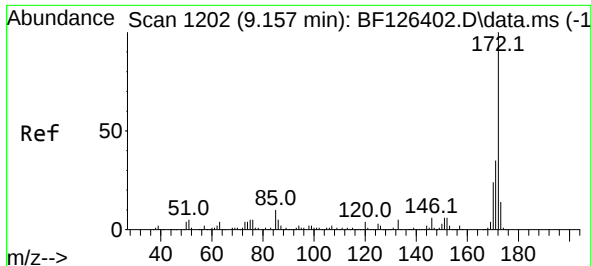
Ion Ratio Lower Upper

330 100

332 101.4 76.0 114.0

141 57.6 30.1 45.1#

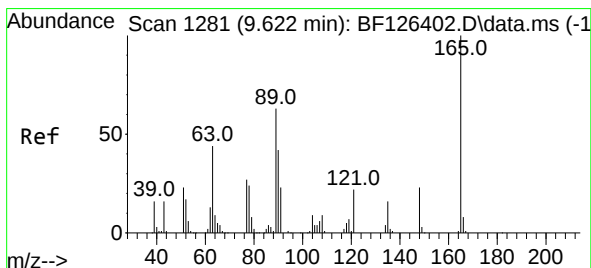
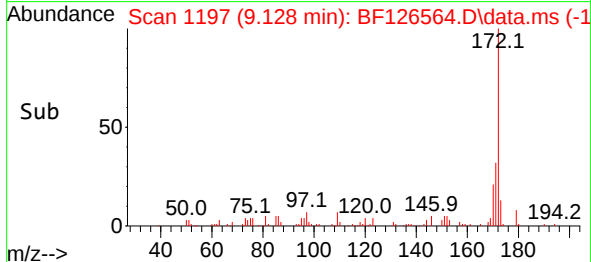
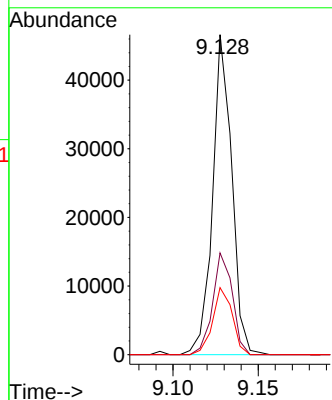
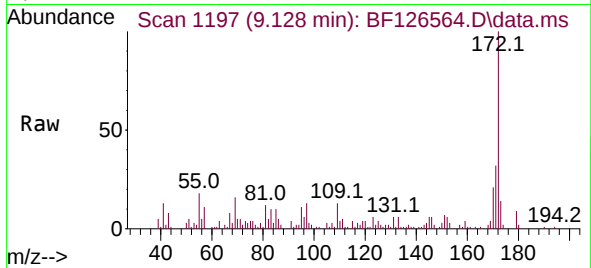




#45
2-Fluorobiphenyl
Concen: 3.419 ng
RT: 9.128 min Scan# 1197
Delta R.T. -0.012 min
Lab File: BF126564.D
Acq: 10 Jan 2022 14:22

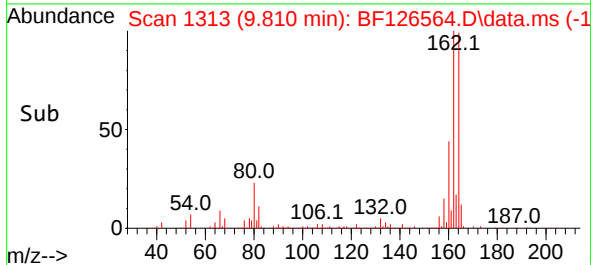
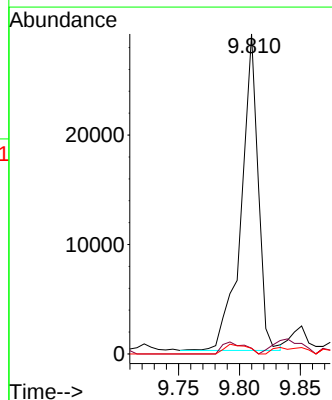
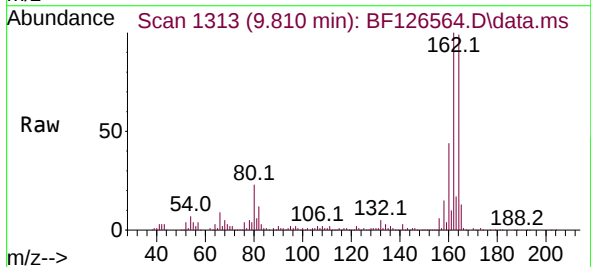
Instrument :
BNA_F
ClientSampleId :
HSB-8-(10-10.5)DL

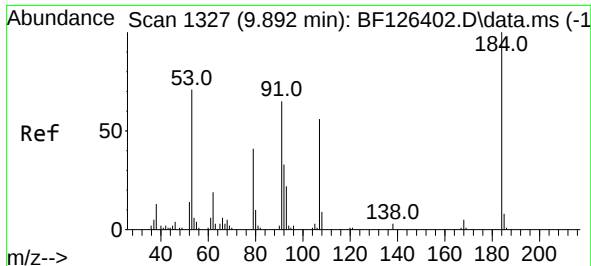
Tgt Ion:172 Resp: 36548
Ion Ratio Lower Upper
172 100
171 31.8 28.3 42.5
170 21.0 19.0 28.6



#51
2,6-Dinitrotoluene
Concen: 11.085 ng
RT: 9.810 min Scan# 1313
Delta R.T. 0.212 min
Lab File: BF126564.D
Acq: 10 Jan 2022 14:22

Tgt Ion:165 Resp: 28111
Ion Ratio Lower Upper
165 100
63 1.8 48.4 72.6#
89 1.7 50.5 75.7#

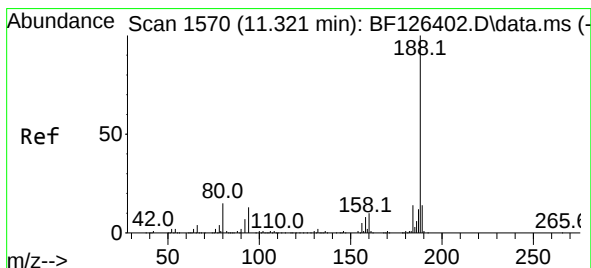
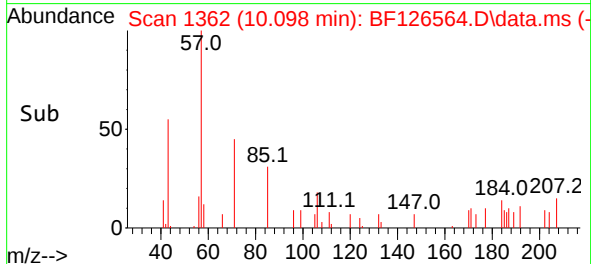
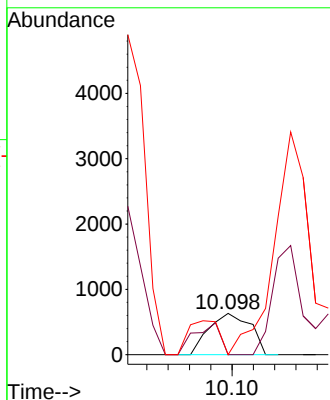
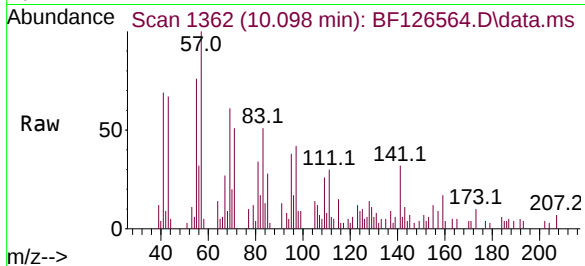




#54
2,4-Dinitrophenol
Concen: 4.627 ng
RT: 10.098 min Scan# 11
Delta R.T. 0.218 min
Lab File: BF126564.D
Acq: 10 Jan 2022 14:22

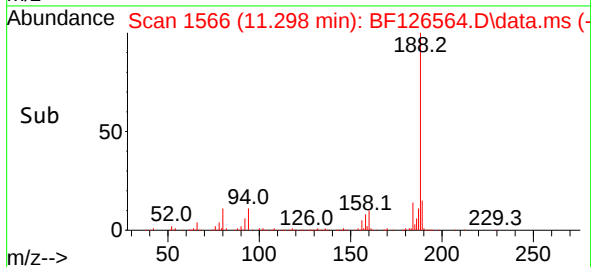
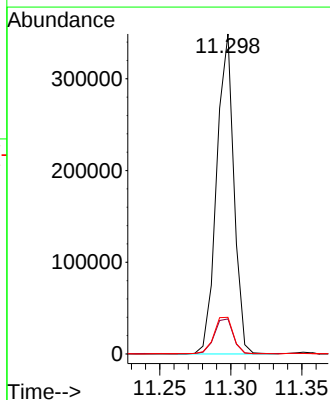
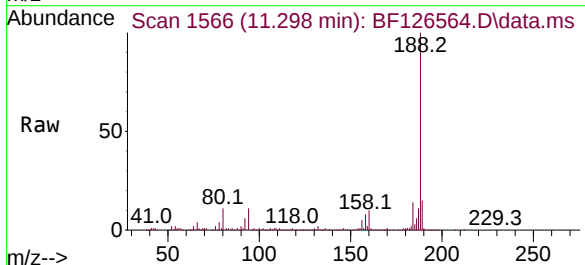
Instrument :
BNA_F
ClientSampleId :
HSB-8-(10-10.5)DL

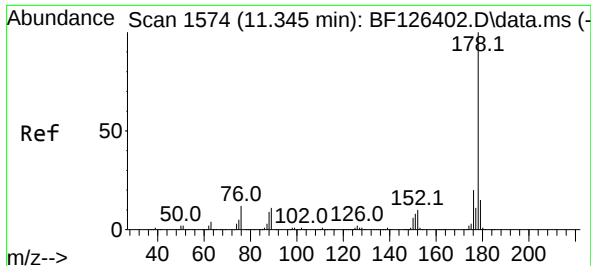
Tgt Ion:184 Resp: 854
Ion Ratio Lower Upper
184 100
63 0.0 70.4 105.6#
154 0.0 49.7 74.5#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.298 min Scan# 1566
Delta R.T. 0.000 min
Lab File: BF126564.D
Acq: 10 Jan 2022 14:22

Tgt Ion:188 Resp: 294248
Ion Ratio Lower Upper
188 100
94 11.0 10.1 15.1
80 11.4 11.8 17.6#

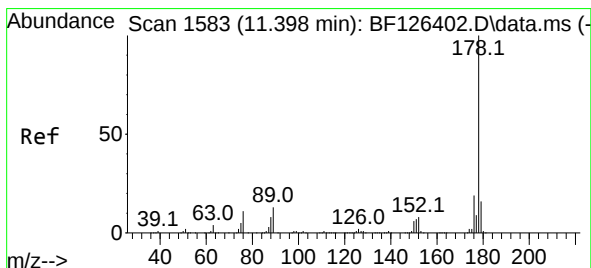
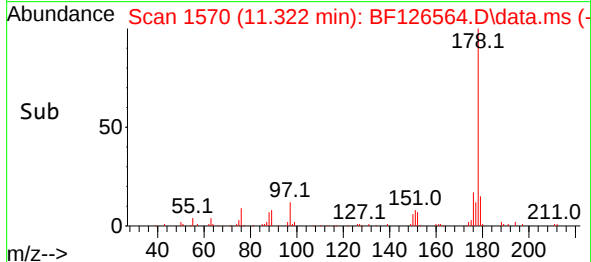
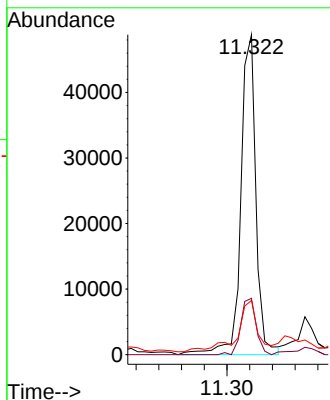
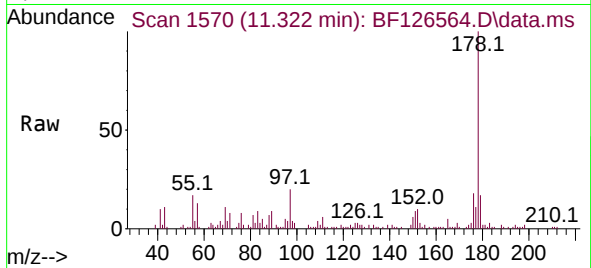




#71
Phenanthrene
Concen: 2.991 ng
RT: 11.322 min Scan# 1570
Delta R.T. -0.006 min
Lab File: BF126564.D
Acq: 10 Jan 2022 14:22

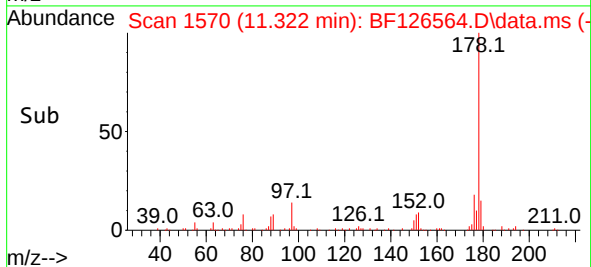
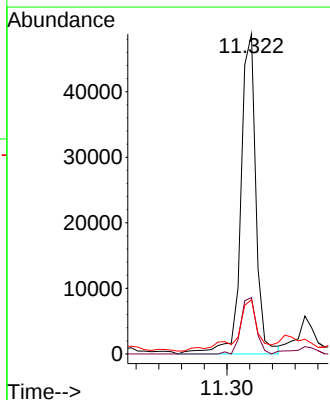
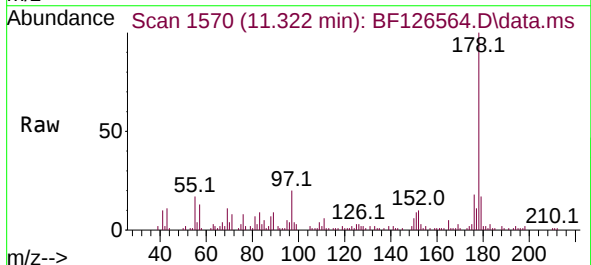
Instrument :
BNA_F
ClientSampleId :
HSB-8-(10-10.5)DL

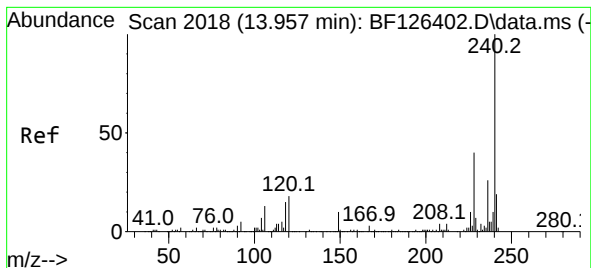
Tgt Ion:178 Resp: 44999
Ion Ratio Lower Upper
178 100
176 17.6 15.7 23.5
179 17.0 12.3 18.5



#72
Anthracene
Concen: 2.989 ng
RT: 11.322 min Scan# 1570
Delta R.T. -0.053 min
Lab File: BF126564.D
Acq: 10 Jan 2022 14:22

Tgt Ion:178 Resp: 44999
Ion Ratio Lower Upper
178 100
176 17.6 15.0 22.6
179 17.0 12.5 18.7





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.939 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF126564.D

Acq: 10 Jan 2022 14:22

Instrument :

BNA_F

ClientSampleId :

HSB-8-(10-10.5)DL

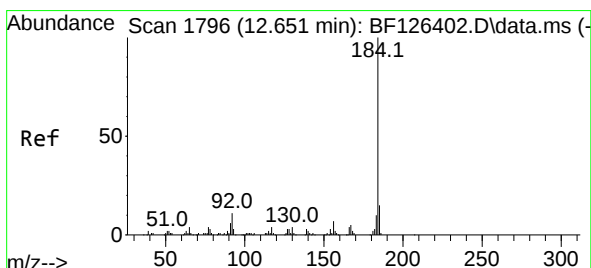
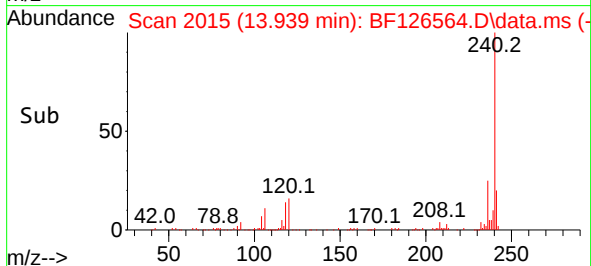
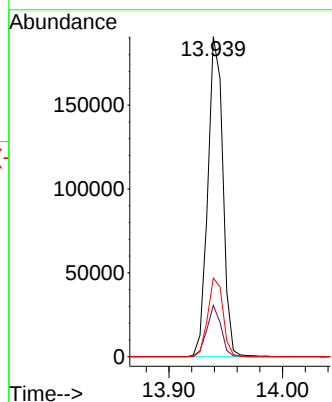
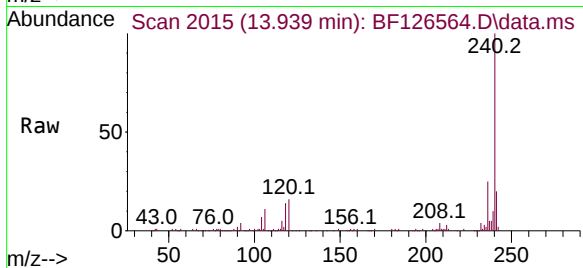
Tgt Ion:240 Resp: 175404

Ion Ratio Lower Upper

240 100

120 16.1 14.4 21.6

236 24.5 20.5 30.7



#77

Benzidine

Concen: Below Cal

RT: 12.880 min Scan# 1835

Delta R.T. 0.247 min

Lab File: BF126564.D

Acq: 10 Jan 2022 14:22

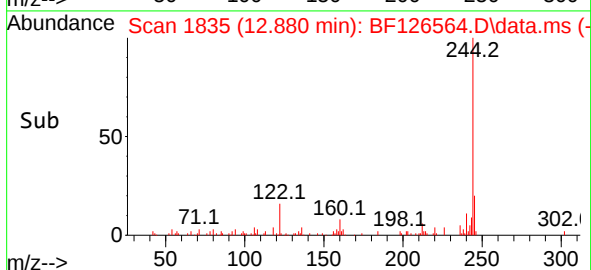
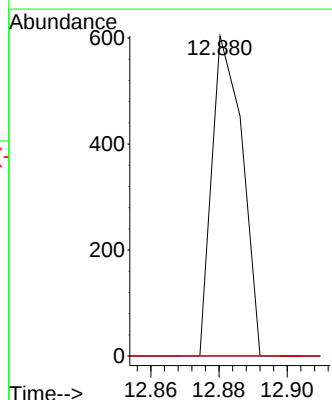
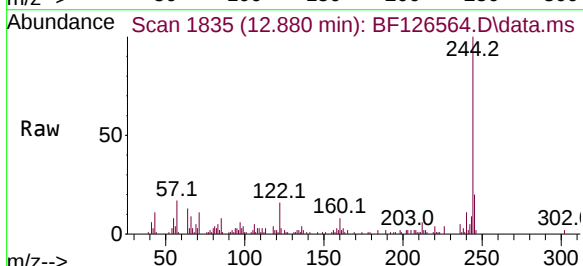
Tgt Ion:184 Resp: 373

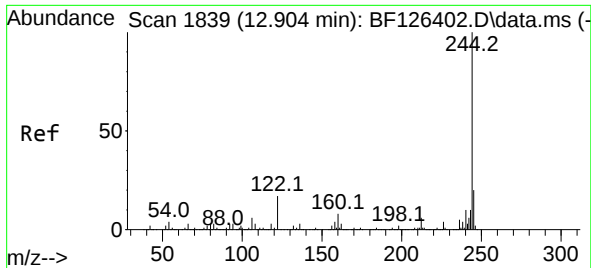
Ion Ratio Lower Upper

184 100

185 0.0 11.8 17.8#

183 0.0 8.2 12.2#

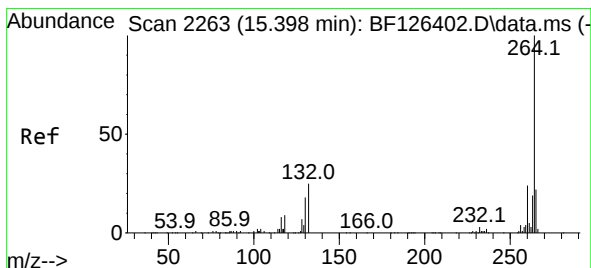
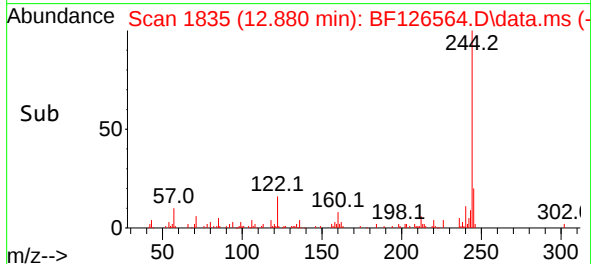
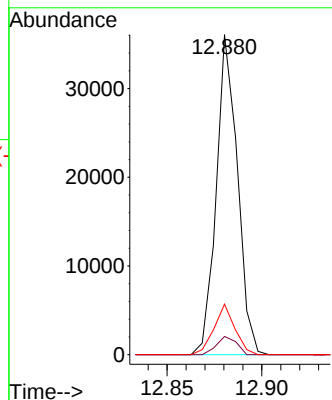
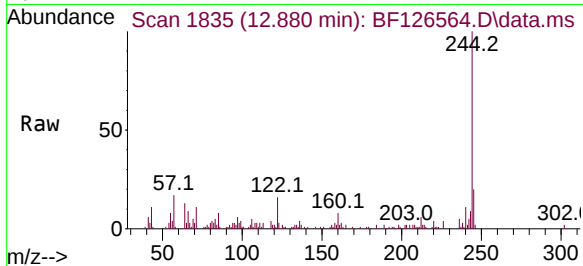




#79
 Terphenyl-d14
 Concen: 3.107 ng
 RT: 12.880 min Scan# 1835
 Delta R.T. -0.012 min
 Lab File: BF126564.D
 Acq: 10 Jan 2022 14:22

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

Tgt Ion:244	Resp:	28047
Ion Ratio	Lower	Upper
244	100	
212	5.7	5.0 7.4
122	15.8	13.3 19.9



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.404 min Scan# 2264
 Delta R.T. 0.006 min
 Lab File: BF126564.D
 Acq: 10 Jan 2022 14:22

Tgt Ion:264	Resp:	188829
Ion Ratio	Lower	Upper
264	100	
260	23.5	19.2 28.8
265	20.3	17.4 26.2

