

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF010522\
 Data File : BF126498.D
 Acq On : 5 Jan 2022 16:00
 Operator : JU/CG
 Sample : M5251-06
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-101R

Quant Time: Jan 06 01:09:46 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)

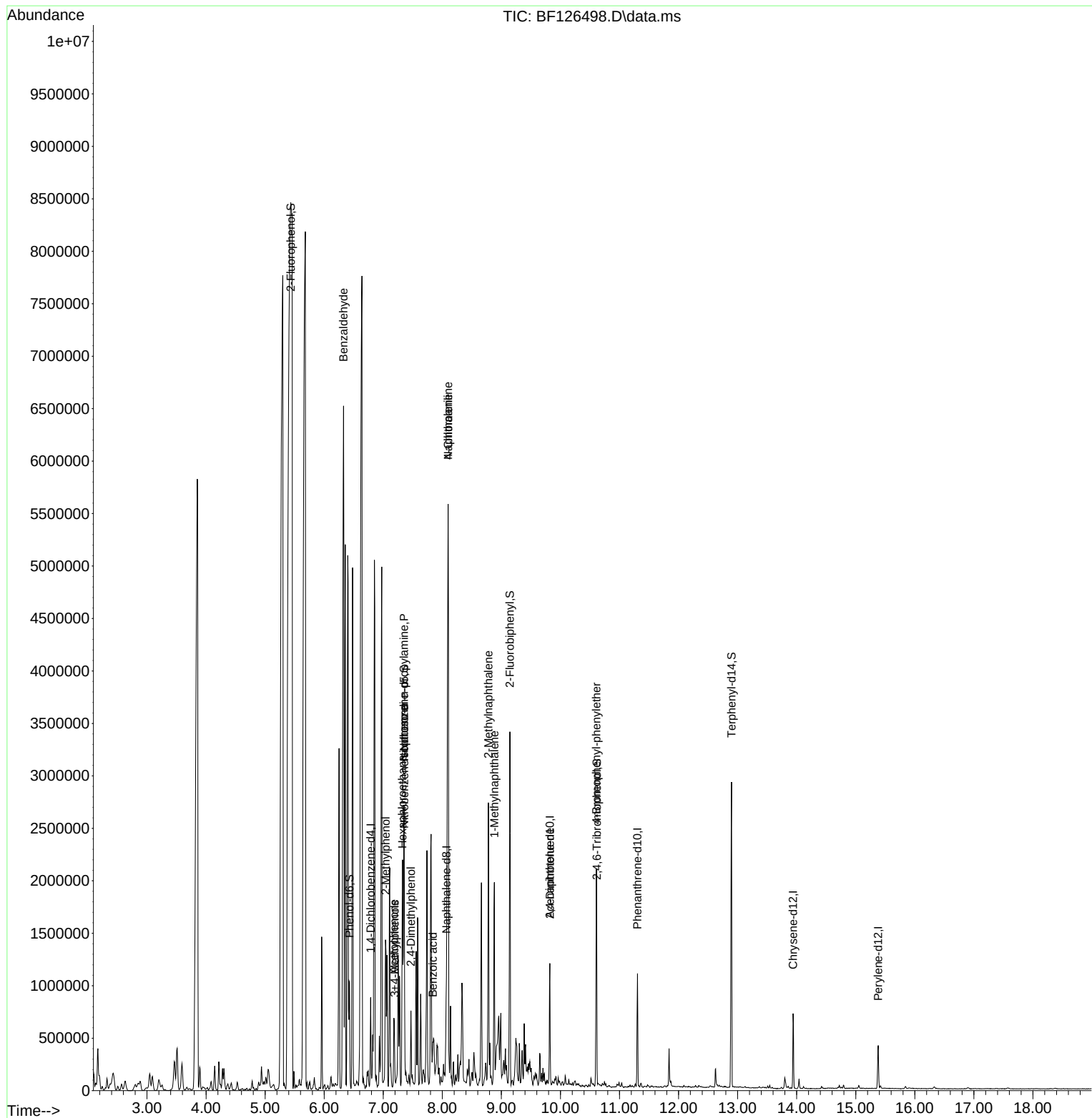
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.787	152	105527	20.000	ng	0.00
21) Naphthalene-d8	8.069	136	438235	20.000	ng	0.00
39) Acenaphthene-d10	9.822	164	218427	20.000	ng	0.00
64) Phenanthrene-d10	11.304	188	354526	20.000	ng	0.00
76) Chrysene-d12	13.939	240	234427	20.000	ng	-0.01
86) Perylene-d12	15.380	264	165074	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.434	112	143479	19.525	ng	0.04
7) Phenol-d6	6.428	99	468902	49.266	ng	0.00
23) Nitrobenzene-d5	7.351	82	790475	92.617	ng	0.00
42) 2,4,6-Tribromophenol	10.616	330	266110	157.659	ng	0.00
45) 2-Fluorobiphenyl	9.145	172	1115388	89.860	ng	0.00
79) Terphenyl-d14	12.898	244	1036945	85.942	ng	0.00
Target Compounds						
						Qvalue
9) Benzaldehyde	6.328	77	448319	76.090	ng	# 1
17) 2-Methylphenol	7.040	107	14909	2.313	ng	# 26
18) Hexachloroethane	7.322	117	154352	52.999	ng	# 1
19) n-Nitroso-di-n-propyla...	7.351	70	105063	19.345	ng	# 81
20) 3+4-Methylphenols	7.192	107	51546	6.717	ng	# 93
22) Acetophenone	7.181	105	263619	26.020	ng	# 57
24) Nitrobenzene	7.357	77	20035	2.346	ng	# 1
25) Isophorone	7.351	82	785068	51.383	ng	# 69
27) 2,4-Dimethylphenol	7.469	122	12771	2.157	ng	# 92
31) Naphthalene	8.098	128	3598041	173.947	ng	# 97
32) Benzoic acid	7.839	122	77473	22.455	ng	# 51
33) 4-Chloroaniline	8.098	127	488766	56.404	ng	# 30
37) 2-Methylnaphthalene	8.781	142	753806	61.777	ng	# 99
38) 1-Methylnaphthalene	8.881	142	424366	35.971	ng	# 100
57) 2,4-Dinitrotoluene	9.822	165	28446	7.487	ng	# 19
67) 4-Bromophenyl-phenylether	10.610	248	14228	4.521	ng	# 1
77) Benzidine	12.898	184	12802	Below Cal		# 93

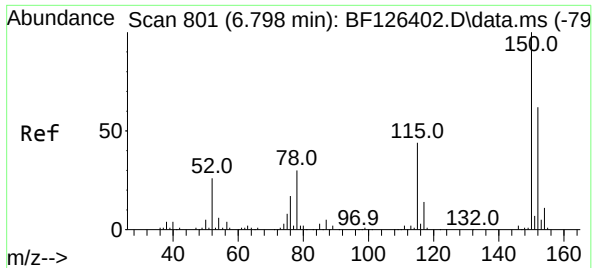
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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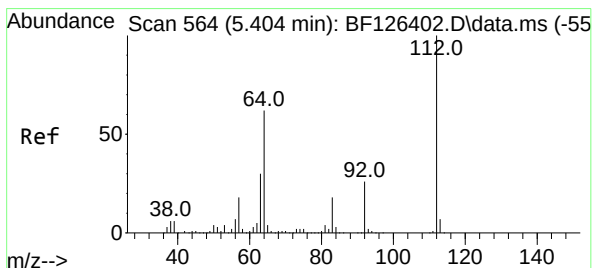
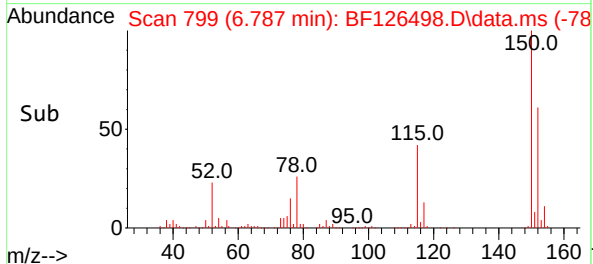
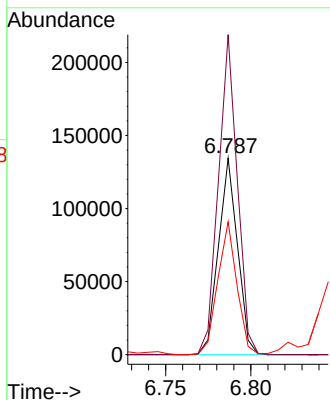
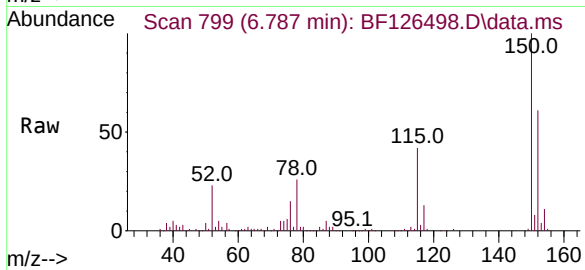




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.787 min Scan# 79
Delta R.T. 0.001 min
Lab File: BF126498.D
Acq: 5 Jan 2022 16:00

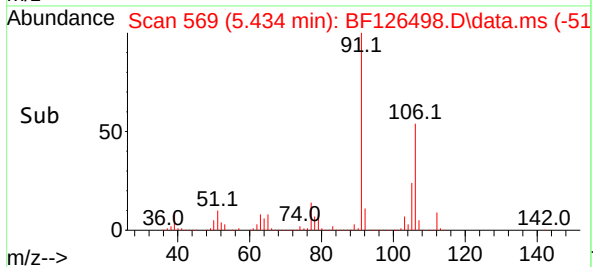
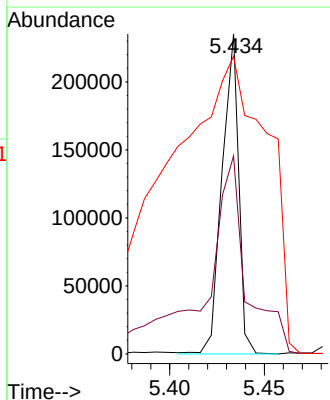
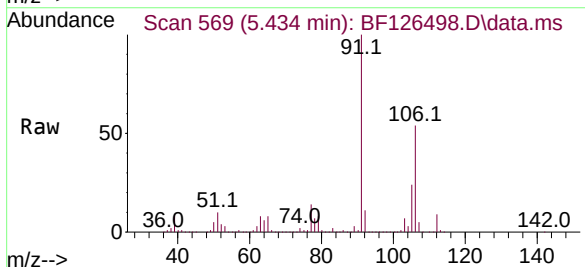
Instrument :
BNA_F
ClientSampleId :
MW-101R

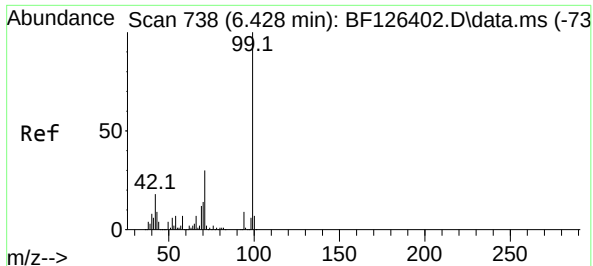
Tgt Ion:152 Resp: 105527
Ion Ratio Lower Upper
152 100
150 162.8 128.1 192.1
115 67.7 56.7 85.1



#5
2-Fluorophenol
Concen: 19.525 ng
RT: 5.434 min Scan# 569
Delta R.T. 0.041 min
Lab File: BF126498.D
Acq: 5 Jan 2022 16:00

Tgt Ion:112 Resp: 143479
Ion Ratio Lower Upper
112 100
64 61.9 49.5 74.3
63 93.1 23.9 35.9#

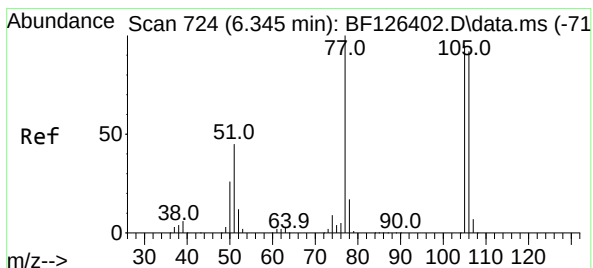
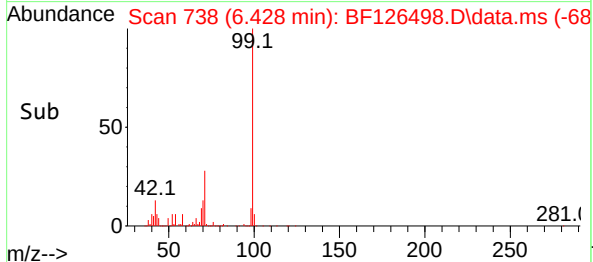
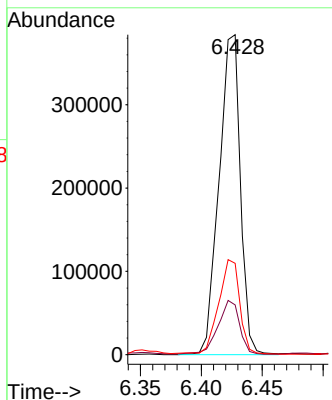
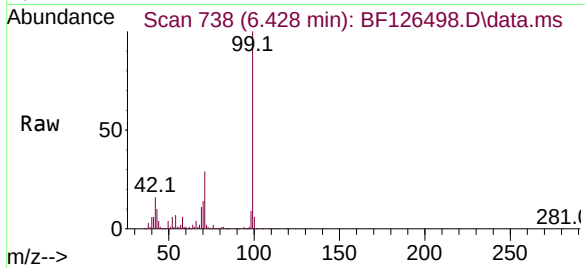




#7
Phenol-d6
Concen: 49.266 ng
RT: 6.428 min Scan# 71
Delta R.T. 0.006 min
Lab File: BF126498.D
Acq: 5 Jan 2022 16:00

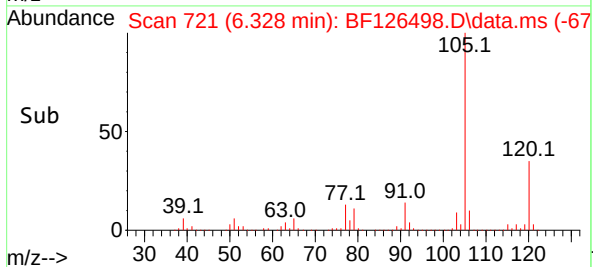
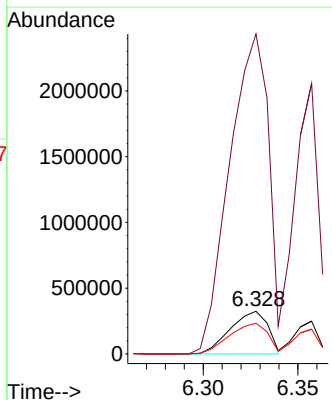
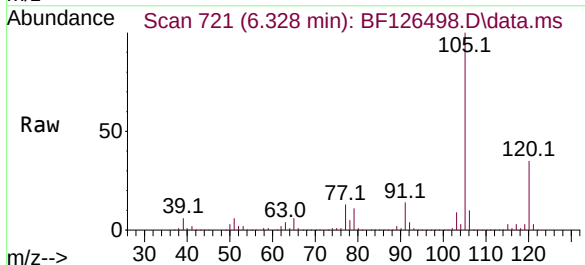
Instrument :
BNA_F
ClientSampleId :
MW-101R

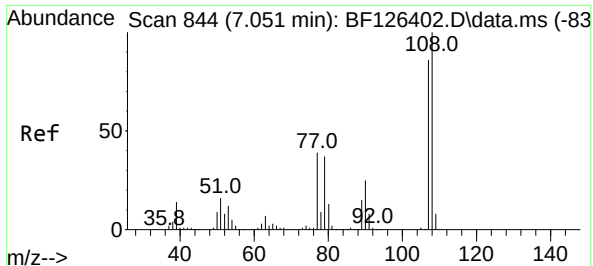
Tgt Ion: 99 Resp: 468902
Ion Ratio Lower Upper
99 100
42 15.6 14.2 21.4
71 28.5 24.3 36.5



#9
Benzaldehyde
Concen: 76.090 ng
RT: 6.328 min Scan# 721
Delta R.T. -0.006 min
Lab File: BF126498.D
Acq: 5 Jan 2022 16:00

Tgt Ion: 77 Resp: 448319
Ion Ratio Lower Upper
77 100
105 748.2 74.9 114.9#
106 72.0 72.4 112.4#

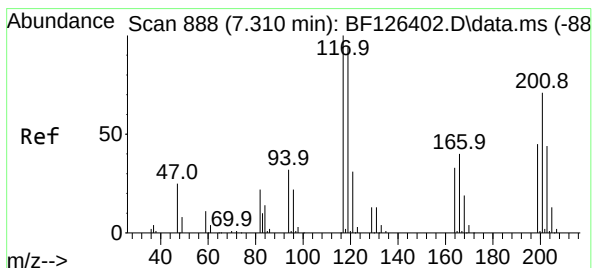
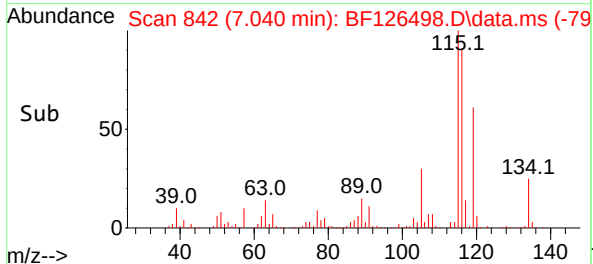
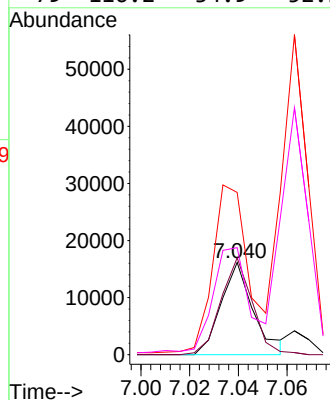
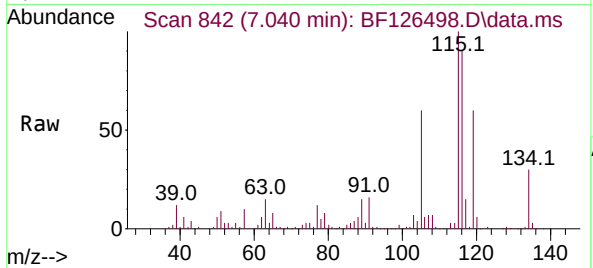




#17
2-Methylphenol
Concen: 2.313 ng
RT: 7.040 min Scan# 84
Delta R.T. -0.006 min
Lab File: BF126498.D
Acq: 5 Jan 2022 16:00

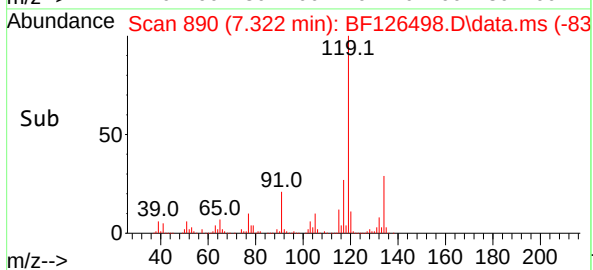
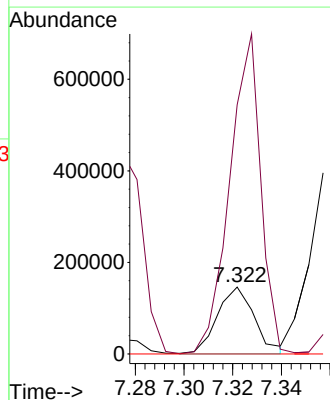
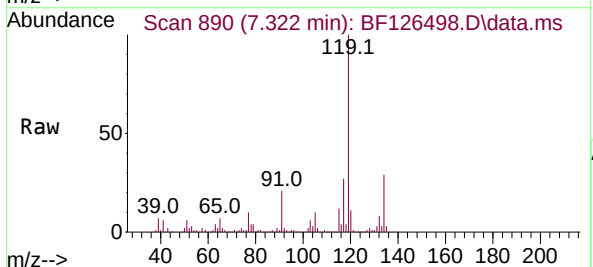
Instrument :
BNA_F
ClientSampleId :
MW-101R

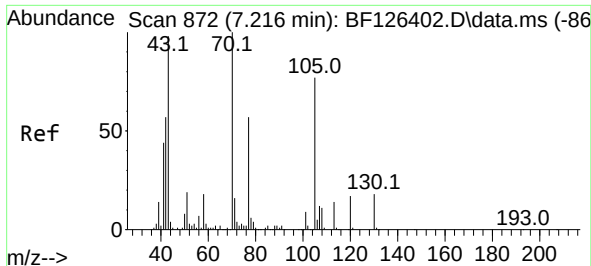
Tgt Ion:107 Resp: 14909
Ion Ratio Lower Upper
107 100
108 105.0 93.4 140.0
77 176.0 36.1 54.1#
79 116.2 34.9 52.3#



#18
Hexachloroethane
Concen: 52.999 ng
RT: 7.322 min Scan# 890
Delta R.T. 0.024 min
Lab File: BF126498.D
Acq: 5 Jan 2022 16:00

Tgt Ion:117 Resp: 154352
Ion Ratio Lower Upper
117 100
119 372.6 75.4 113.0#
201 0.0 56.8 85.2#





#19

n-Nitroso-di-n-propylamine

Concen: 19.345 ng

RT: 7.351 min Scan# 81

Delta R.T. 0.147 min

Lab File: BF126498.D

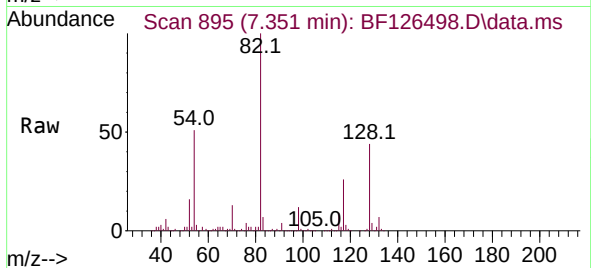
Acq: 5 Jan 2022 16:00

Instrument :

BNA_F

ClientSampleId :

MW-101R



Tgt Ion: 70 Resp: 105063

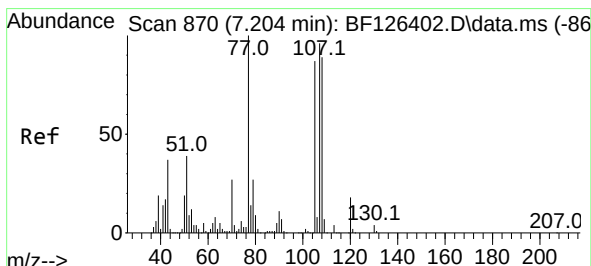
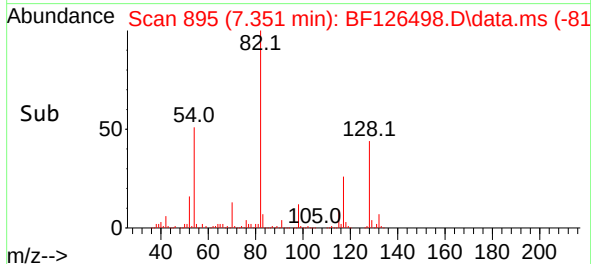
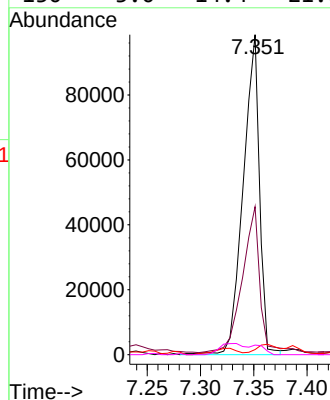
Ion Ratio Lower Upper

70 100

42 46.3 45.8 68.8

101 1.6 6.9 10.3#

130 3.0 14.4 21.6#



#20

3+4-Methylphenols

Concen: 6.717 ng

RT: 7.192 min Scan# 868

Delta R.T. -0.006 min

Lab File: BF126498.D

Acq: 5 Jan 2022 16:00

Tgt Ion: 107 Resp: 51546

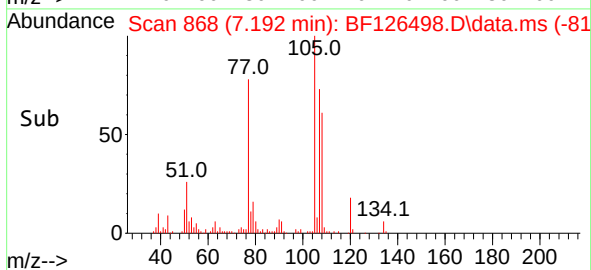
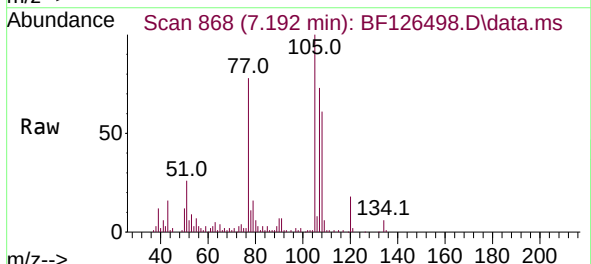
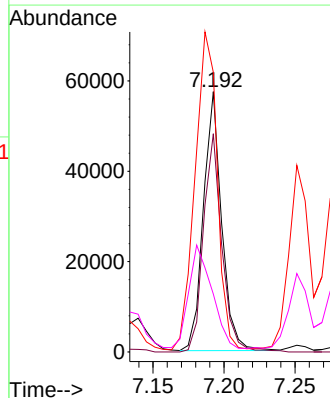
Ion Ratio Lower Upper

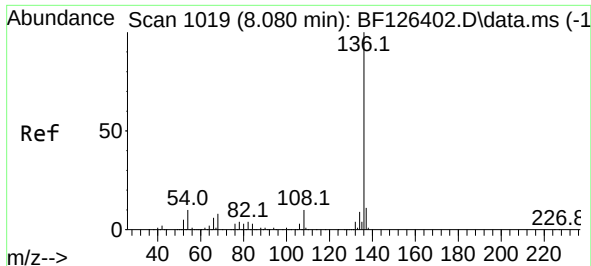
107 100

108 83.9 72.4 112.4

77 107.4 83.8 123.8

79 22.3 8.5 48.5

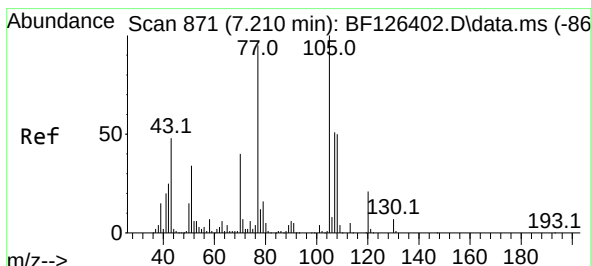
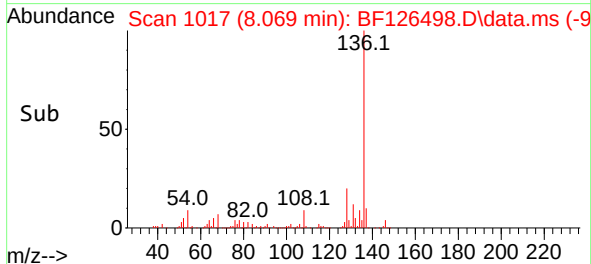
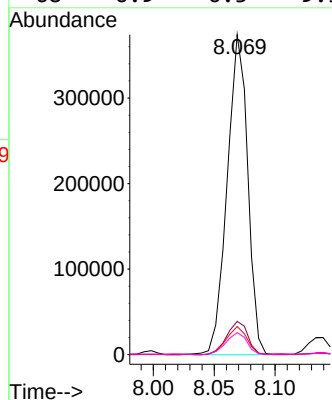
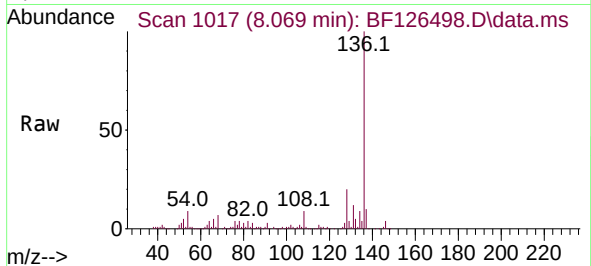




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.069 min Scan# 1019
Delta R.T. 0.000 min
Lab File: BF126498.D
Acq: 5 Jan 2022 16:00

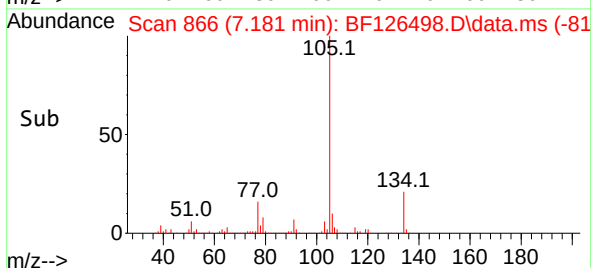
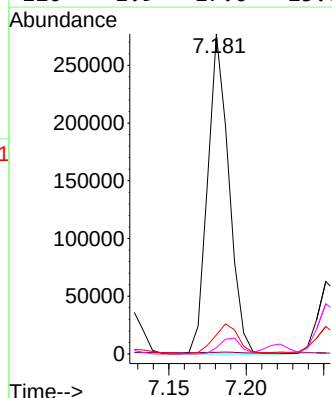
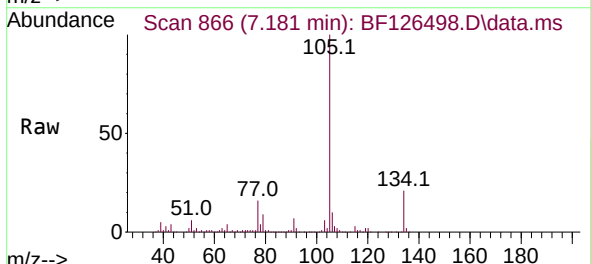
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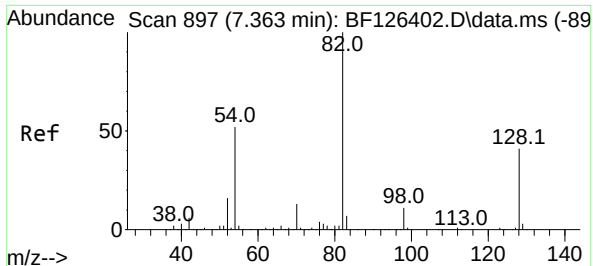
Tgt Ion:136	Resp: 438235
Ion Ratio	Lower Upper
136 100	
137 10.4	8.6 13.0
54 8.8	7.8 11.6
68 6.9	6.3 9.5



#22
Acetophenone
Concen: 26.020 ng
RT: 7.181 min Scan# 866
Delta R.T. -0.018 min
Lab File: BF126498.D
Acq: 5 Jan 2022 16:00

Tgt	Ion:105	Resp:	263619
Ion	Ratio	Lower	Upper
105	100		
71	0.5	5.4	8.0#
51	6.0	27.4	41.0#
120	1.9	17.0	25.6#

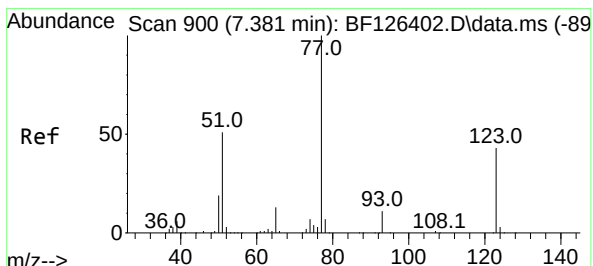
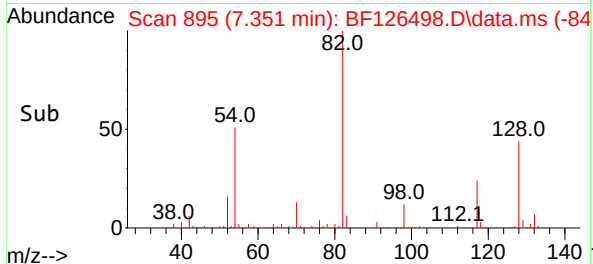
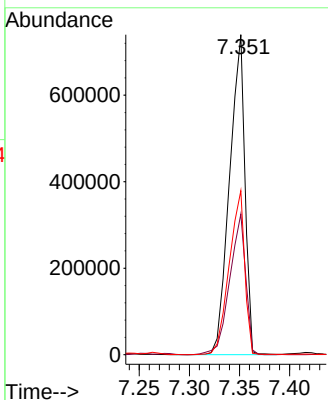
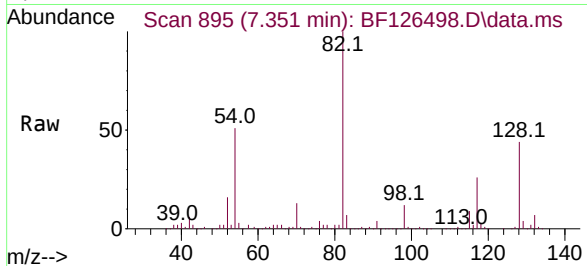




#23
Nitrobenzene-d5
Concen: 92.617 ng
RT: 7.351 min Scan# 895
Delta R.T. 0.000 min
Lab File: BF126498.D
Acq: 5 Jan 2022 16:00

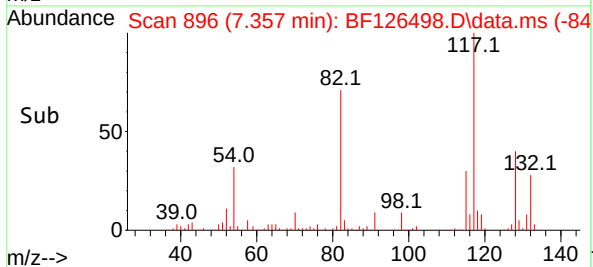
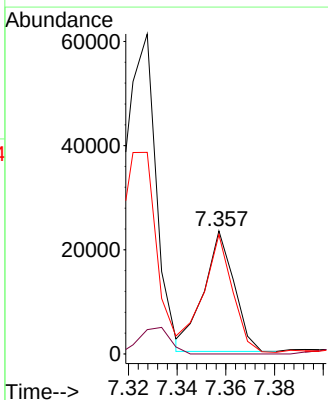
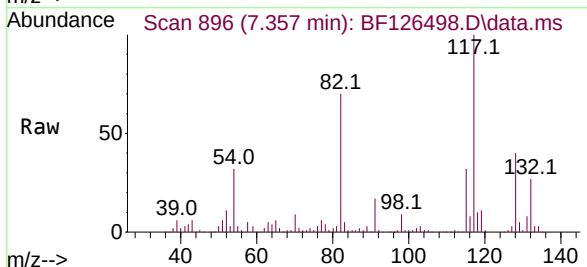
Instrument :
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ClientSampleId :
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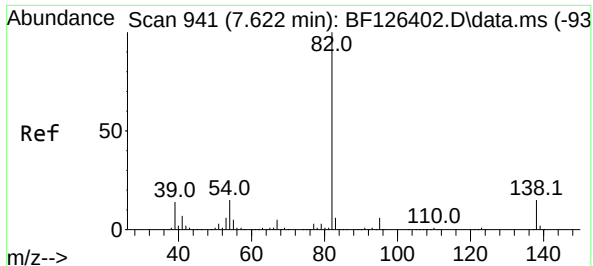
Tgt Ion: 82 Resp: 790475
Ion Ratio Lower Upper
82 100
128 43.9 32.7 49.1
54 51.3 41.7 62.5



#24
Nitrobenzene
Concen: 2.346 ng
RT: 7.357 min Scan# 896
Delta R.T. -0.012 min
Lab File: BF126498.D
Acq: 5 Jan 2022 16:00

Tgt Ion: 77 Resp: 20035
Ion Ratio Lower Upper
77 100
123 0.0 34.6 52.0#
65 97.0 10.6 15.8#

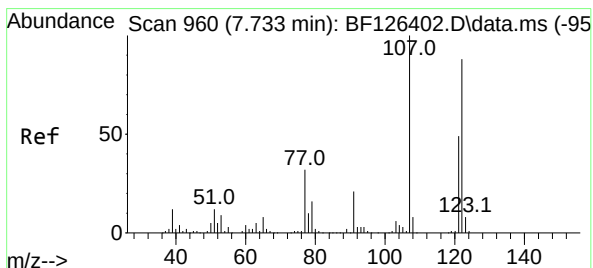
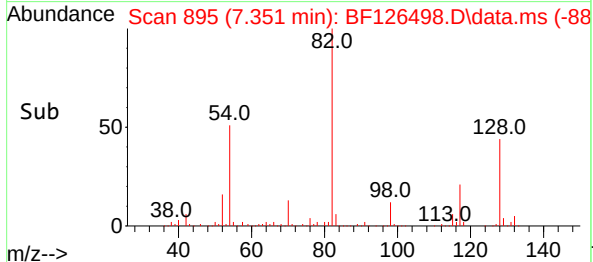
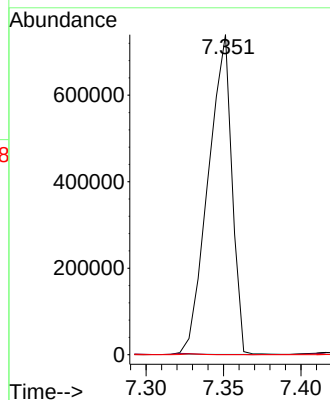
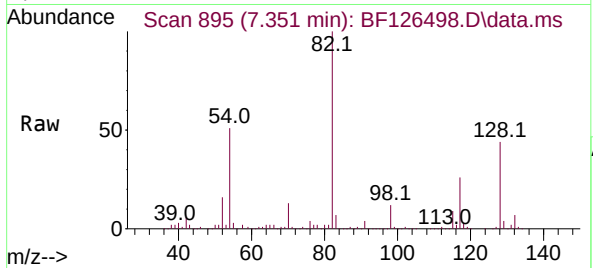




#25
Isophorone
Concen: 51.383 ng
RT: 7.351 min Scan# 895
Delta R.T. -0.259 min
Lab File: BF126498.D
Acq: 5 Jan 2022 16:00

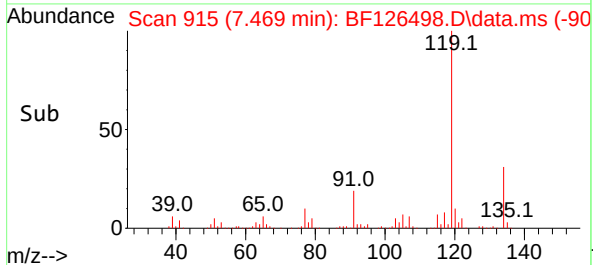
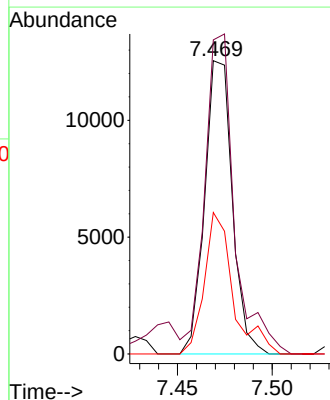
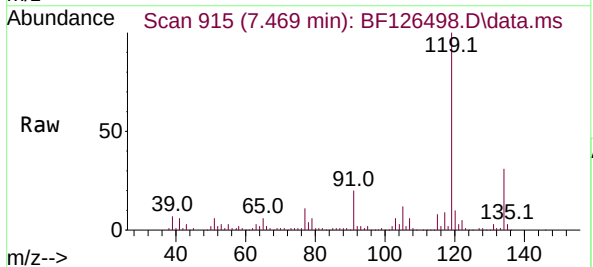
Instrument :
BNA_F
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MW-101R

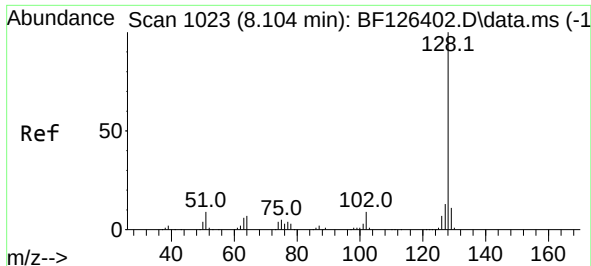
Tgt Ion: 82 Resp: 785068
Ion Ratio Lower Upper
82 100
95 0.1 5.0 7.4#
138 0.0 12.3 18.5#



#27
2,4-Dimethylphenol
Concen: 2.157 ng
RT: 7.469 min Scan# 915
Delta R.T. -0.259 min
Lab File: BF126498.D
Acq: 5 Jan 2022 16:00

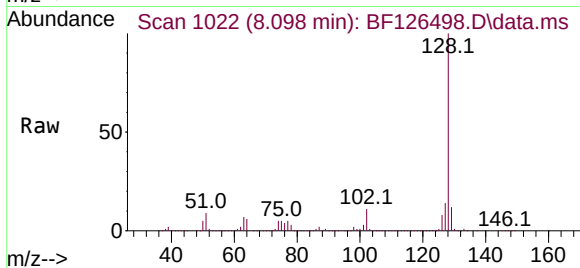
Tgt Ion:122 Resp: 12771
Ion Ratio Lower Upper
122 100
107 107.1 91.2 136.8
121 48.2 44.4 66.6



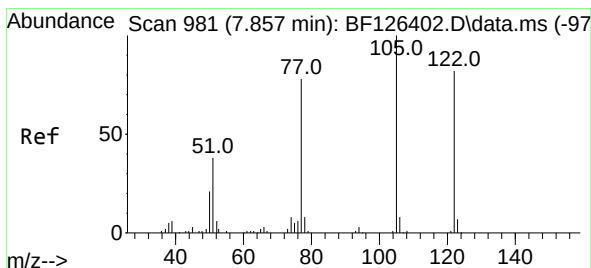
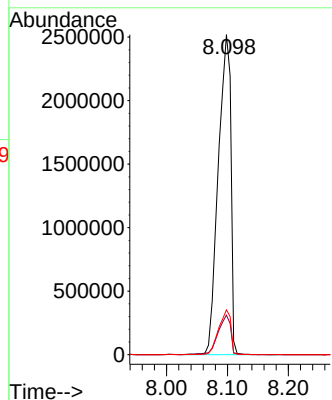
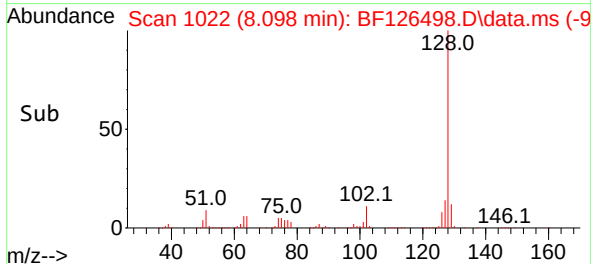


#31
Naphthalene
Concen: 173.947 ng
RT: 8.098 min Scan# 1022
Delta R.T. 0.006 min
Lab File: BF126498.D
Acq: 5 Jan 2022 16:00

Instrument :
BNA_F
ClientSampleId :
MW-101R

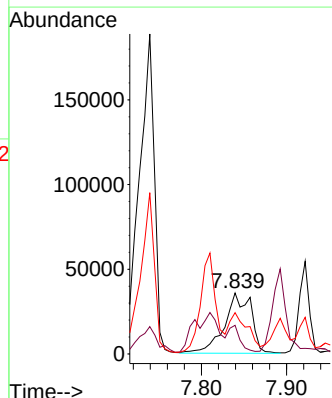
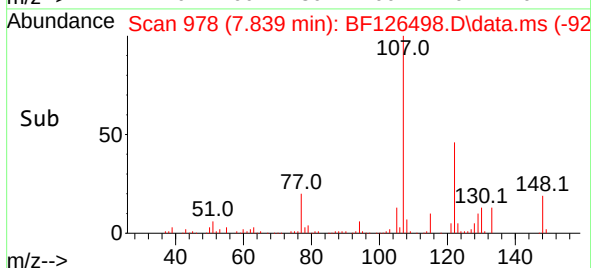
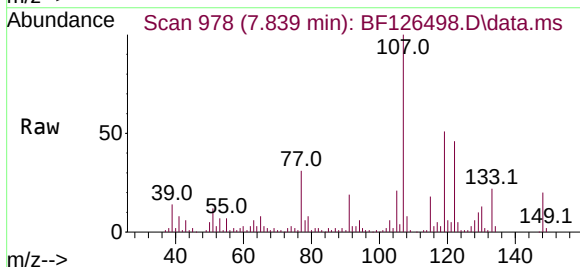


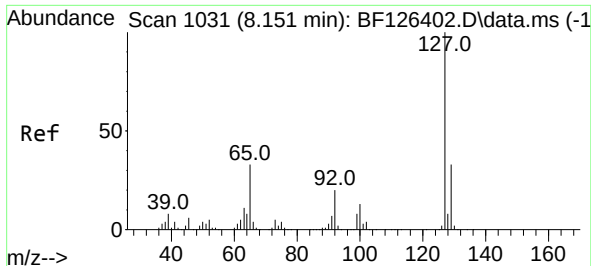
Tgt Ion:128 Resp: 3598041
Ion Ratio Lower Upper
128 100
129 12.4 8.6 13.0
127 14.0 10.3 15.5



#32
Benzoic acid
Concen: 22.455 ng
RT: 7.839 min Scan# 978
Delta R.T. -0.006 min
Lab File: BF126498.D
Acq: 5 Jan 2022 16:00

Tgt Ion:122 Resp: 77473
Ion Ratio Lower Upper
122 100
105 46.9 101.0 141.0#
77 67.7 74.5 114.5#

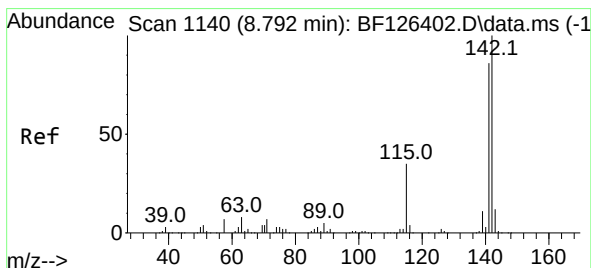
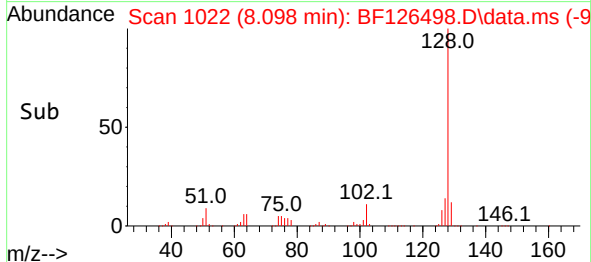
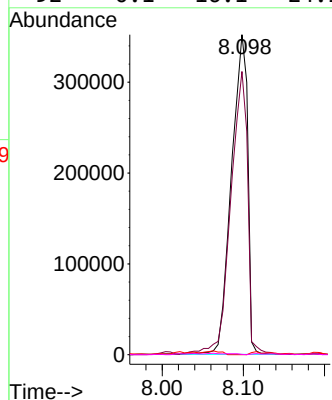
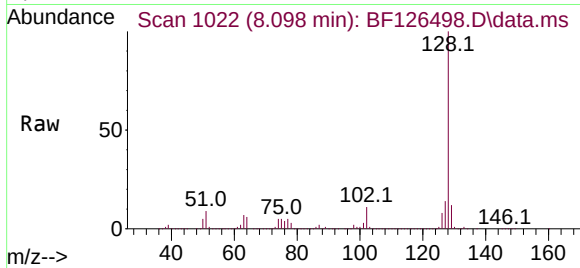




#33
4-Chloroaniline
Concen: 56.404 ng
RT: 8.098 min Scan# 1138
Delta R.T. -0.041 min
Lab File: BF126498.D
Acq: 5 Jan 2022 16:00

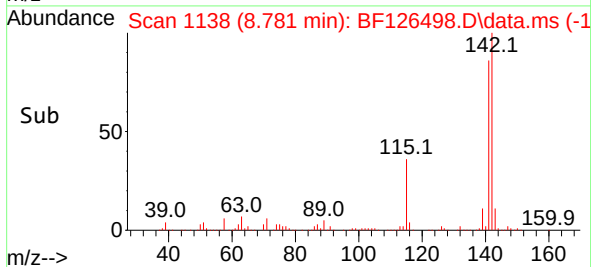
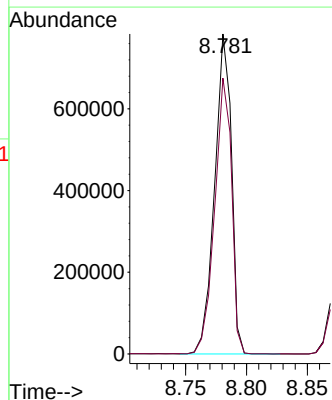
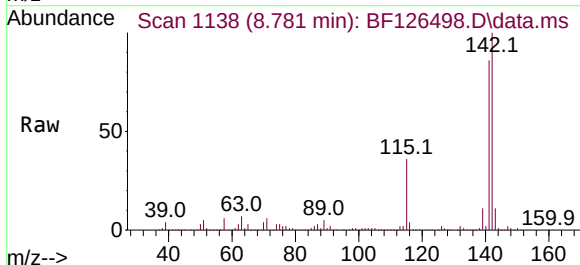
Instrument :
BNA_F
ClientSampleId :
MW-101R

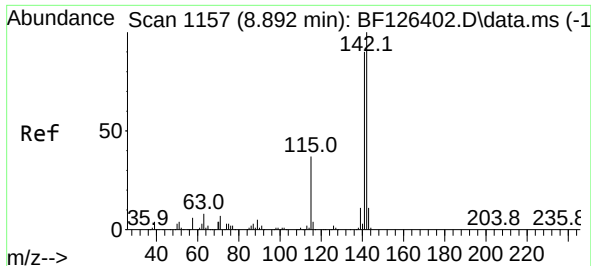
Tgt Ion:127 Resp: 488766
Ion Ratio Lower Upper
127 100
129 88.5 26.5 39.7#
65 0.0 26.6 39.8#
92 0.1 16.1 24.1#



#37
2-Methylnaphthalene
Concen: 61.777 ng
RT: 8.781 min Scan# 1138
Delta R.T. 0.000 min
Lab File: BF126498.D
Acq: 5 Jan 2022 16:00

Tgt Ion:142 Resp: 753806
Ion Ratio Lower Upper
142 100
141 86.2 68.6 102.8





#38

1-Methylnaphthalene

Concen: 35.971 ng

RT: 8.881 min Scan# 1155

Delta R.T. 0.000 min

Lab File: BF126498.D

Acq: 5 Jan 2022 16:00

Instrument :

BNA_F

ClientSampleId :

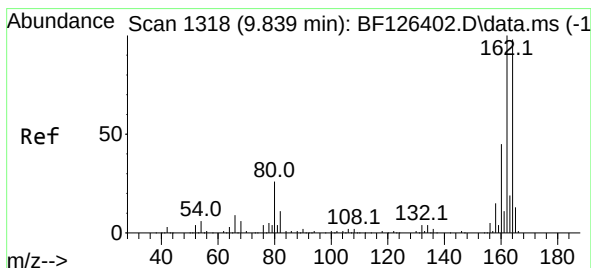
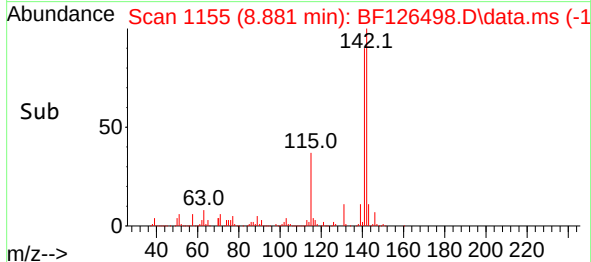
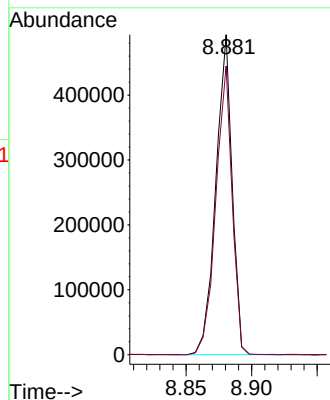
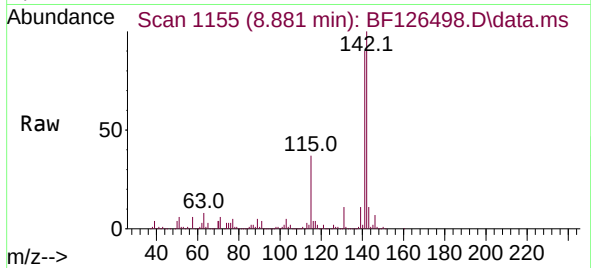
MW-101R

Tgt Ion:142 Resp: 424366

Ion Ratio Lower Upper

142 100

141 90.2 72.1 108.1



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.822 min Scan# 1315

Delta R.T. -0.006 min

Lab File: BF126498.D

Acq: 5 Jan 2022 16:00

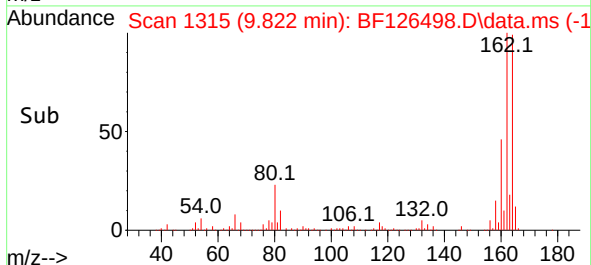
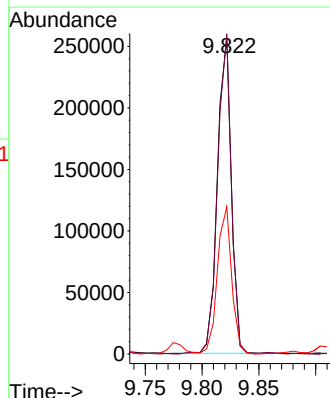
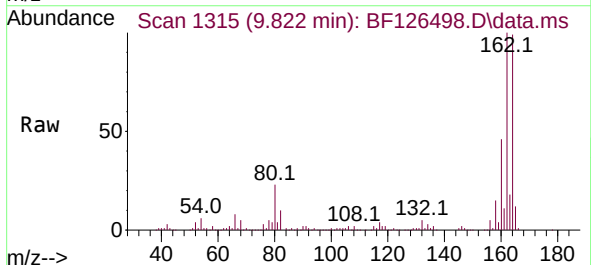
Tgt Ion:164 Resp: 218427

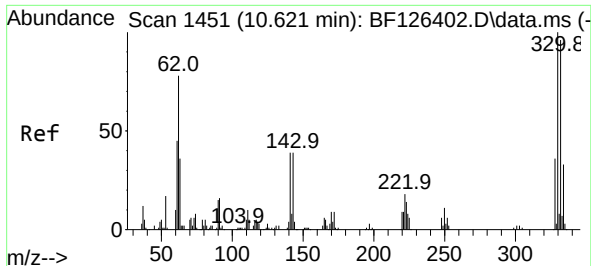
Ion Ratio Lower Upper

164 100

162 101.2 81.4 122.0

160 46.6 36.6 54.8





#42

2,4,6-Tribromophenol

Concen: 157.659 ng

RT: 10.616 min Scan# 1451

Delta R.T. 0.000 min

Lab File: BF126498.D

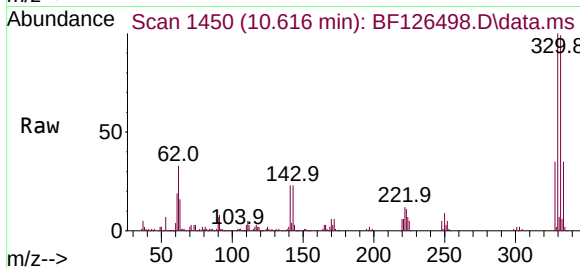
Acq: 5 Jan 2022 16:00

Instrument :

BNA_F

ClientSampleId :

MW-101R



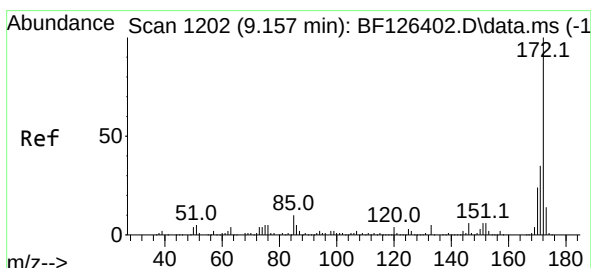
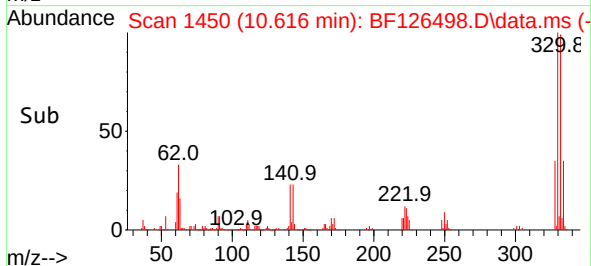
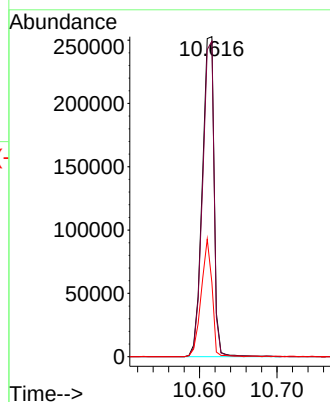
Tgt Ion:330 Resp: 266110

Ion Ratio Lower Upper

330 100

332 96.0 76.0 114.0

141 33.6 30.1 45.1



#45

2-Fluorobiphenyl

Concen: 89.860 ng

RT: 9.145 min Scan# 1200

Delta R.T. -0.006 min

Lab File: BF126498.D

Acq: 5 Jan 2022 16:00

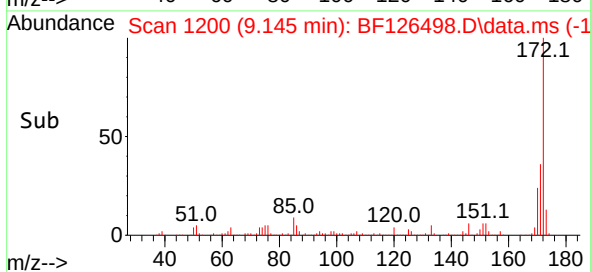
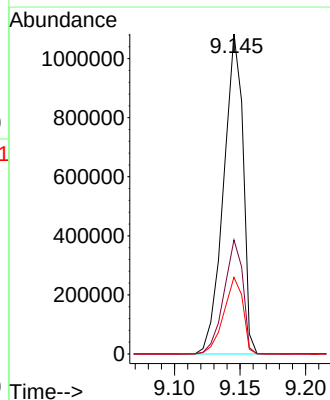
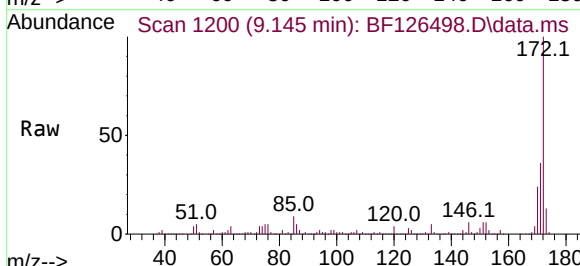
Tgt Ion:172 Resp: 1115388

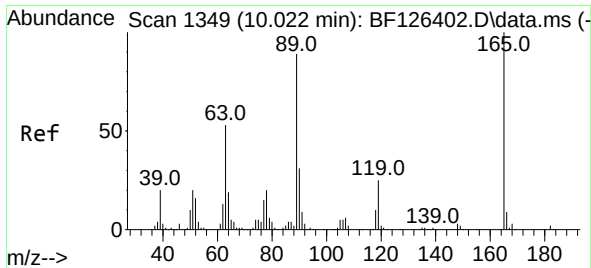
Ion Ratio Lower Upper

172 100

171 35.7 28.3 42.5

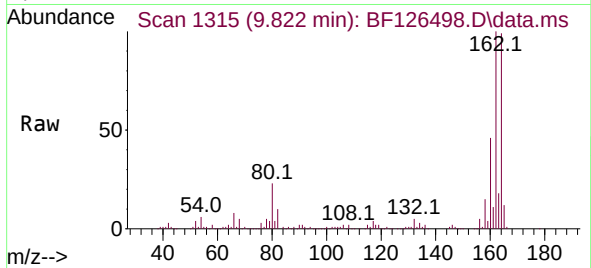
170 24.0 19.0 28.6



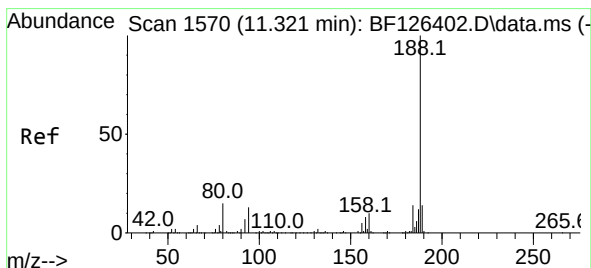
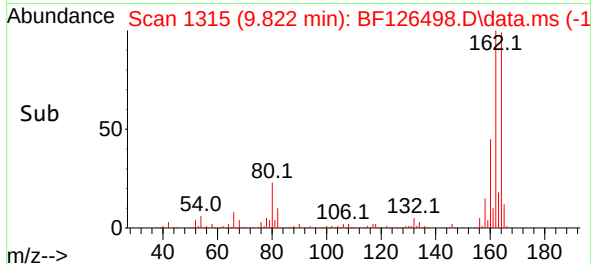
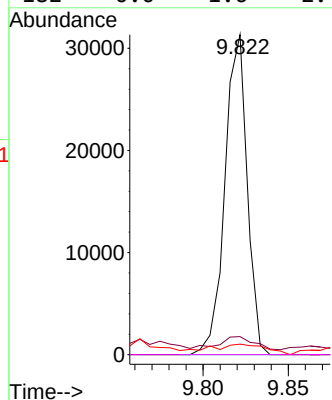


#57
2,4-Dinitrotoluene
Concen: 7.487 ng
RT: 9.822 min Scan# 11
Delta R.T. -0.194 min
Lab File: BF126498.D
Acq: 5 Jan 2022 16:00

Instrument :
BNA_F
ClientSampleId :
MW-101R

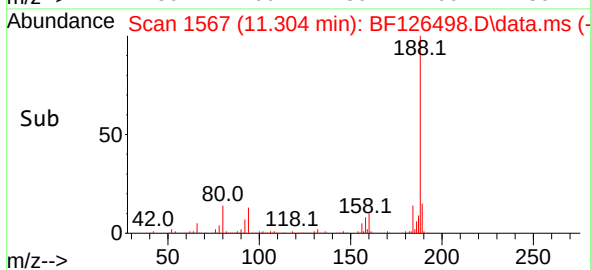
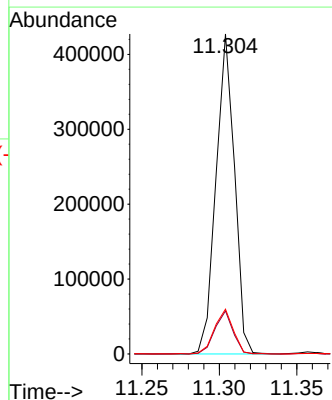
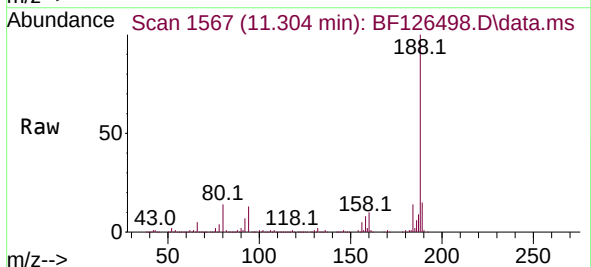


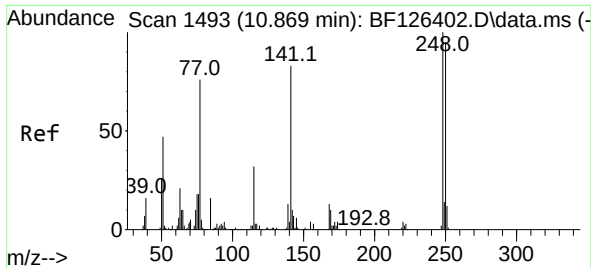
Tgt Ion:165 Resp: 28446
Ion Ratio Lower Upper
165 100
63 5.6 43.0 64.6#
89 3.3 71.0 106.4#
182 0.0 1.6 2.4#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.304 min Scan# 1567
Delta R.T. -0.006 min
Lab File: BF126498.D
Acq: 5 Jan 2022 16:00

Tgt Ion:188 Resp: 354526
Ion Ratio Lower Upper
188 100
94 13.4 10.1 15.1
80 14.0 11.8 17.6

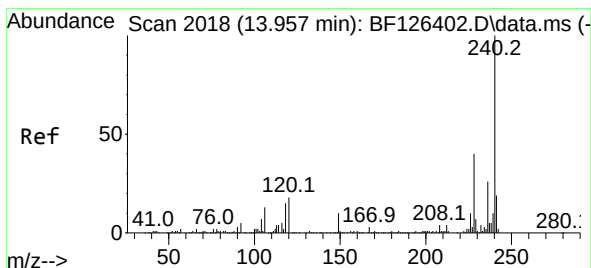
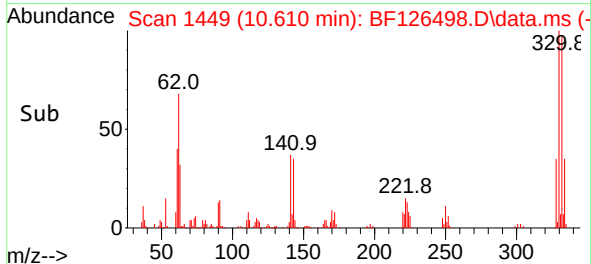
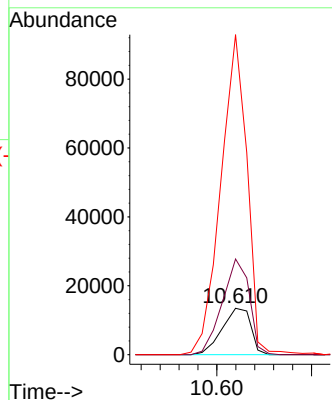
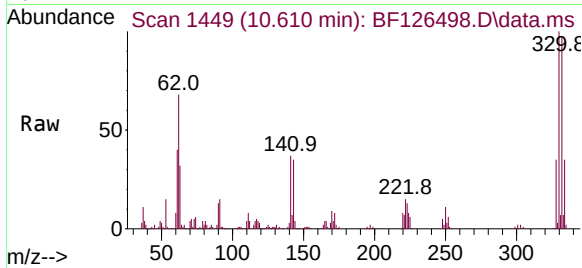




#67
4-Bromophenyl-phenylether
Concen: 4.521 ng
RT: 10.610 min Scan# 14
Delta R.T. -0.247 min
Lab File: BF126498.D
Acq: 5 Jan 2022 16:00

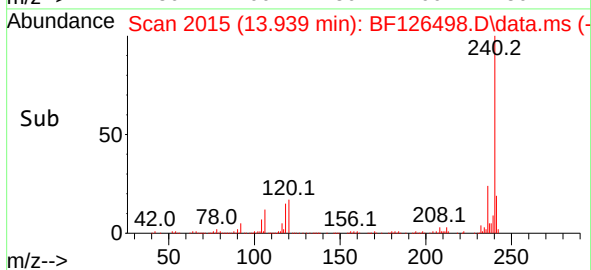
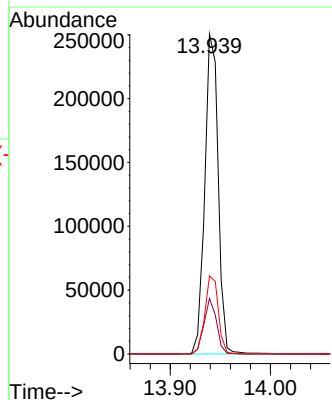
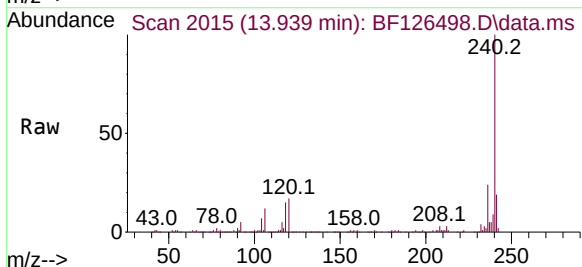
Instrument :
BNA_F
ClientSampleId :
MW-101R

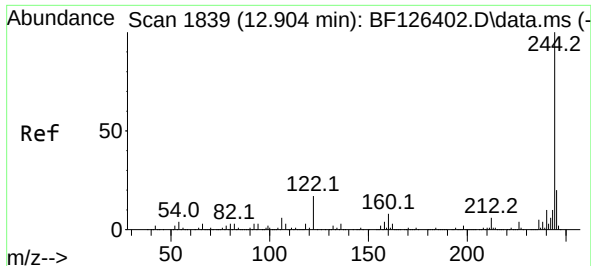
Tgt Ion:248 Resp: 14228
Ion Ratio Lower Upper
248 100
250 206.1 76.2 114.4#
141 689.7 66.2 99.4#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.939 min Scan# 2015
Delta R.T. -0.012 min
Lab File: BF126498.D
Acq: 5 Jan 2022 16:00

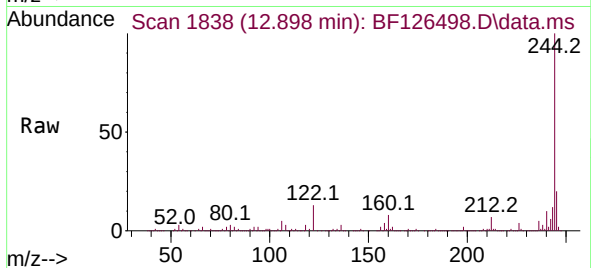
Tgt Ion:240 Resp: 234427
Ion Ratio Lower Upper
240 100
120 17.4 14.4 21.6
236 24.3 20.5 30.7



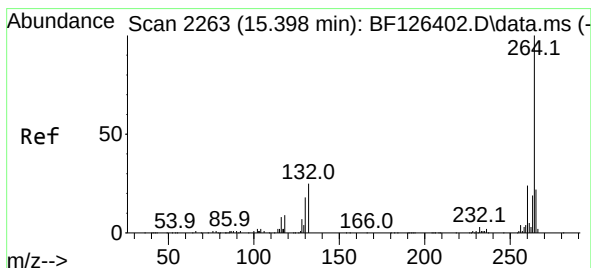
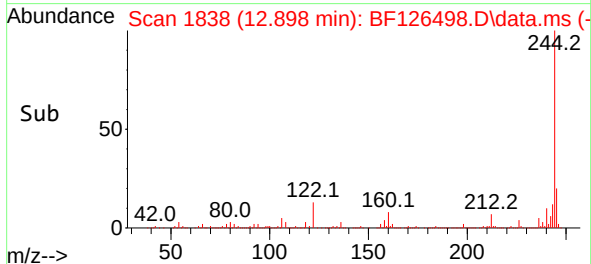
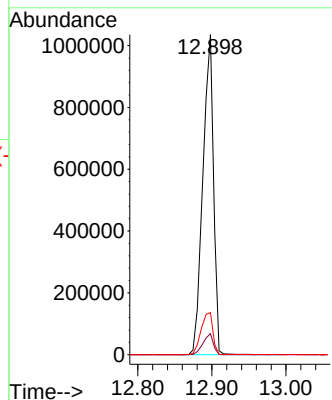


#79
 Terphenyl-d14
 Concen: 85.942 ng
 RT: 12.898 min Scan# 1838
 Delta R.T. 0.000 min
 Lab File: BF126498.D
 Acq: 5 Jan 2022 16:00

Instrument :
 BNA_F
 ClientSampleId :
 MW-101R



Tgt Ion:244 Resp: 1036945
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.0 7.4
 122 13.1 13.3 19.9#



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.380 min Scan# 2260
 Delta R.T. -0.006 min
 Lab File: BF126498.D
 Acq: 5 Jan 2022 16:00

Tgt Ion:264 Resp: 165074
 Ion Ratio Lower Upper
 264 100
 260 22.9 19.2 28.8
 265 20.8 17.4 26.2

