

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042823\
 Data File : BF133136.D
 Acq On : 28 Apr 2023 22:58
 Operator : CG\JU
 Sample : 02495-07
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 GMW-X

Quant Time: May 01 03:09:14 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon May 01 03:03:04 2023
 Response via : Initial Calibration

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

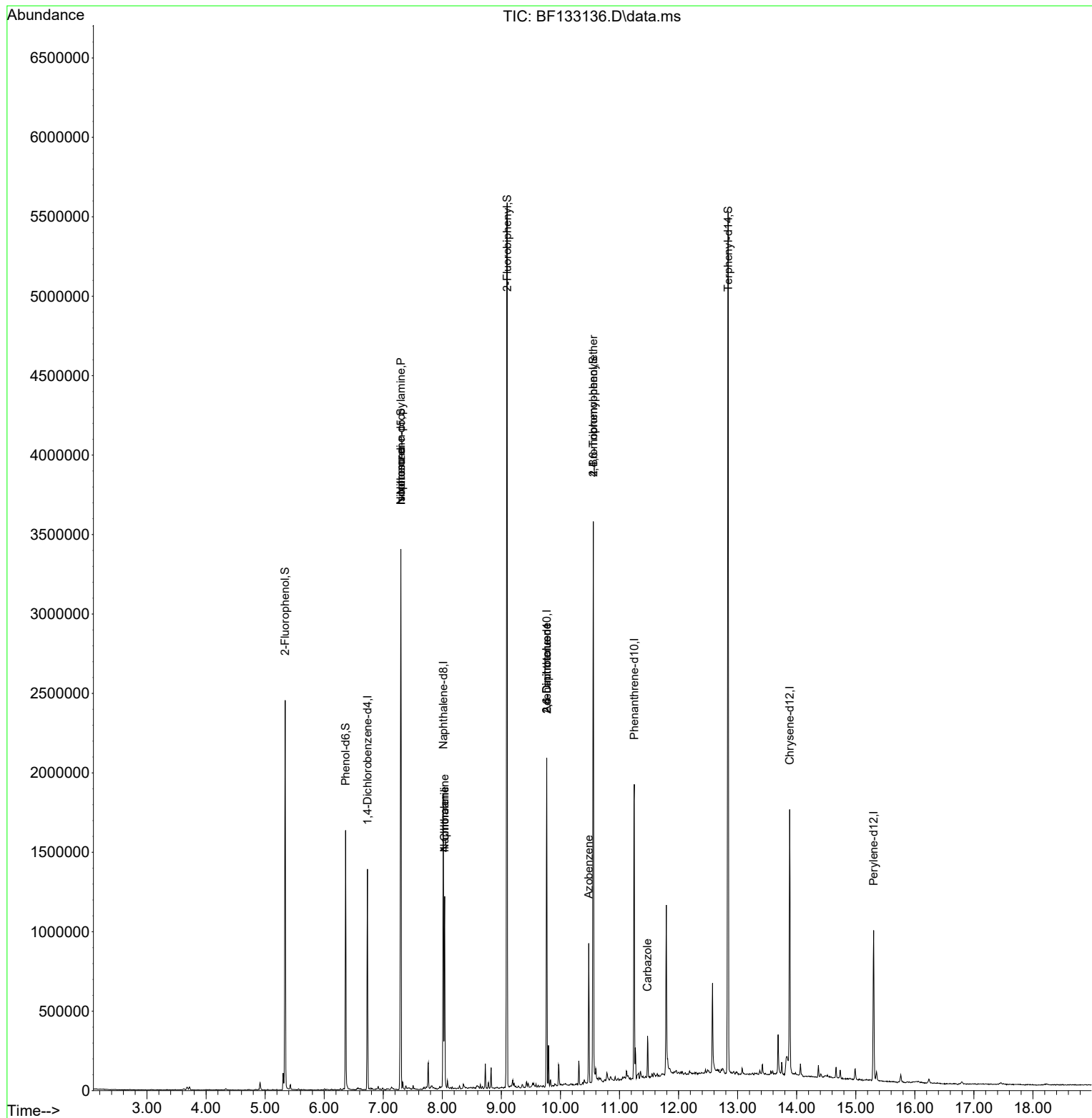
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.734	152	178728	20.000	ng	0.00
21) Naphthalene-d8	8.016	136	741436	20.000	ng	0.00
39) Acenaphthene-d10	9.769	164	377443	20.000	ng	0.00
64) Phenanthrene-d10	11.251	188	676993	20.000	ng	# 0.00
76) Chrysene-d12	13.880	240	502251	20.000	ng	-0.01
86) Perylene-d12	15.304	264	380375	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.340	112	632445	53.454	ng	0.00
7) Phenol-d6	6.363	99	466368	31.757	ng	-0.02
23) Nitrobenzene-d5	7.298	82	1091620	79.470	ng	0.00
42) 2,4,6-Tribromophenol	10.557	330	447773	117.962	ng	0.00
45) 2-Fluorobiphenyl	9.098	172	1826912	80.977	ng	0.00
79) Terphenyl-d14	12.839	244	1994365	68.484	ng	0.00
Target Compounds						
9) Benzaldehyde	6.275	77	1819	Below Cal		Qvalue 99
19) n-Nitroso-di-n-propyla...	7.298	70	147516	16.135	ng	# 77
25) Isophorone	7.298	82	1088474	41.736	ng	# 63
31) Naphthalene	8.039	128	427161	11.523	ng	99
33) 4-Chloroaniline	8.039	127	56696	3.785	ng	# 36
51) 2,6-Dinitrotoluene	9.769	165	49140	8.296	ng	# 25
57) 2,4-Dinitrotoluene	9.769	165	49140	6.505	ng	# 23
63) Azobenzene	10.480	77	135914	5.161	ng	# 1
67) 4-Bromophenyl-phenylether	10.557	248	28088	3.825	ng	# 1
73) Carbazole	11.475	167	97814	2.950	ng	99

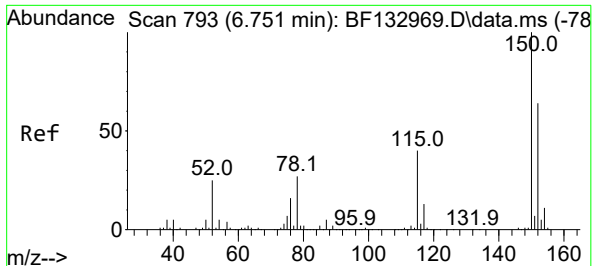
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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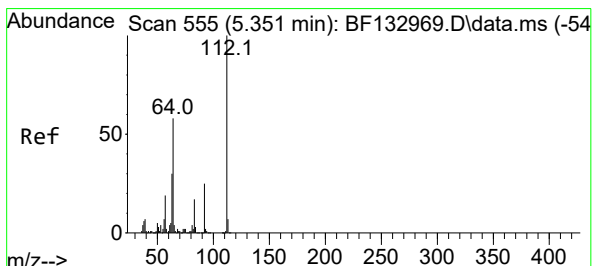
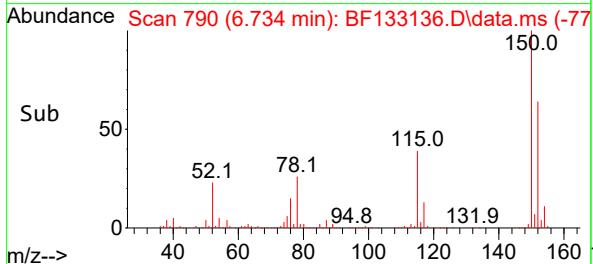
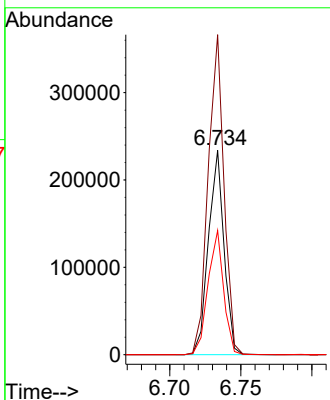
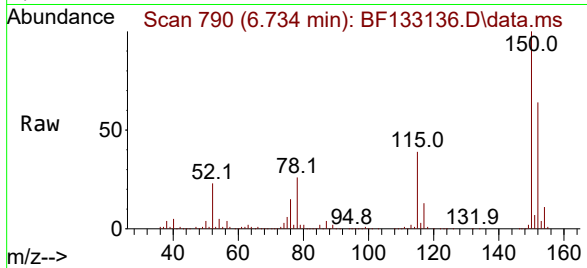




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.734 min Scan# 793
Delta R.T. -0.005 min
Lab File: BF133136.D
Acq: 28 Apr 2023 22:58

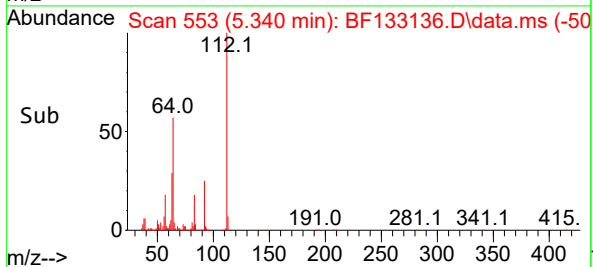
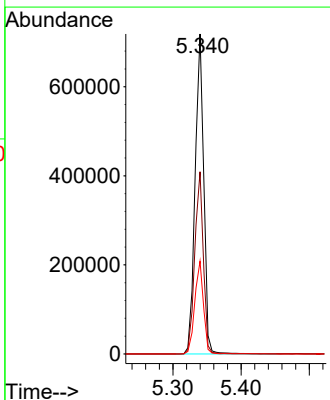
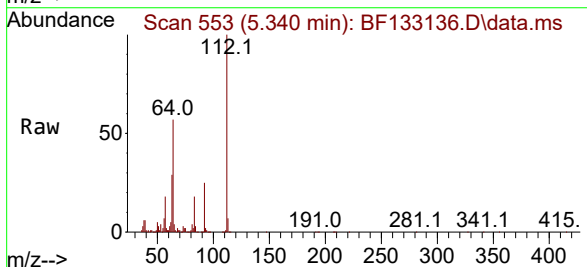
Instrument :
BNA_F
ClientSampleId :
GMW-X

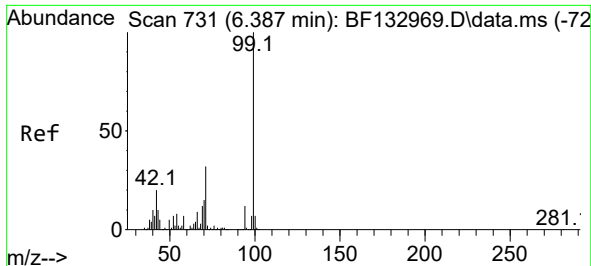
Tgt Ion:152 Resp: 178728
Ion Ratio Lower Upper
152 100
150 156.6 124.8 187.2
115 60.7 49.9 74.9



#5
2-Fluorophenol
Concen: 53.454 ng
RT: 5.340 min Scan# 553
Delta R.T. 0.000 min
Lab File: BF133136.D
Acq: 28 Apr 2023 22:58

Tgt Ion:112 Resp: 632445
Ion Ratio Lower Upper
112 100
64 57.0 46.8 70.2
63 29.0 23.8 35.8

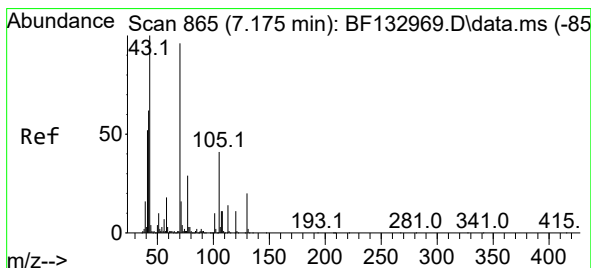
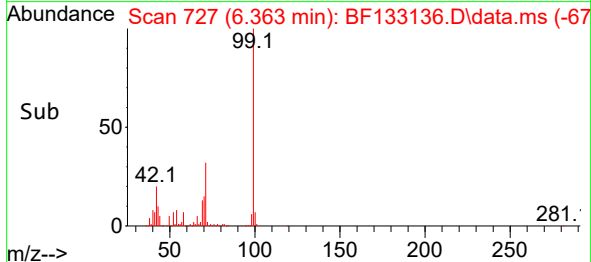
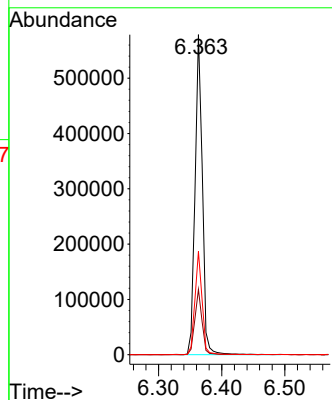
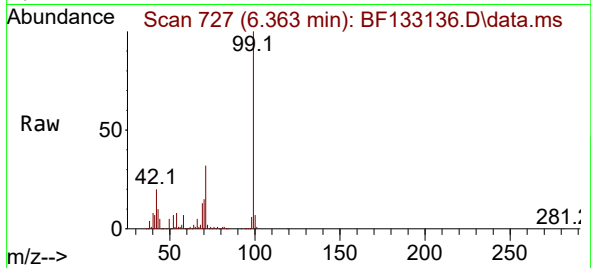




#7
Phenol-d6
Concen: 31.757 ng
RT: 6.363 min Scan# 71
Delta R.T. -0.018 min
Lab File: BF133136.D
Acq: 28 Apr 2023 22:58

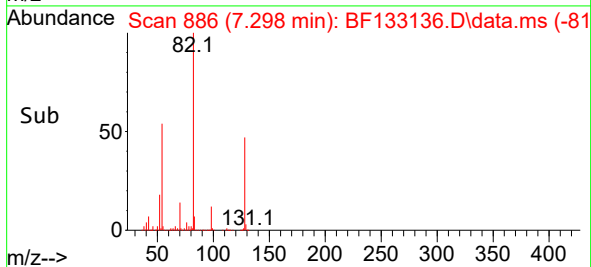
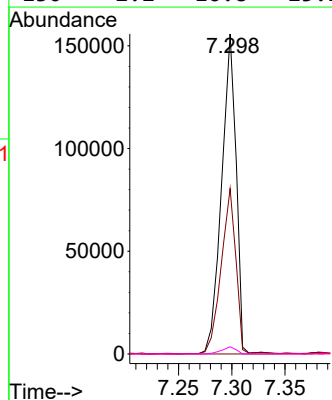
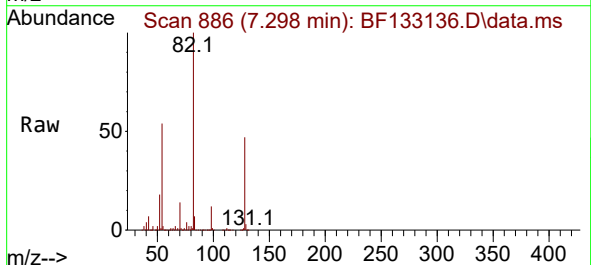
Instrument :
BNA_F
ClientSampleId :
GMW-X

Tgt Ion: 99 Resp: 466368
Ion Ratio Lower Upper
99 100
42 20.4 16.3 24.5
71 32.2 25.6 38.4



#19
n-Nitroso-di-n-propylamine
Concen: 16.135 ng
RT: 7.298 min Scan# 886
Delta R.T. 0.141 min
Lab File: BF133136.D
Acq: 28 Apr 2023 22:58

Tgt Ion: 70 Resp: 147516
Ion Ratio Lower Upper
70 100
42 51.7 51.8 77.6#
101 0.0 8.0 12.0#
130 2.2 16.8 25.2#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.016 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF133136.D

Acq: 28 Apr 2023 22:58

Instrument :

BNA_F

ClientSampleId :

GMW-X

Tgt Ion:136 Resp: 741436

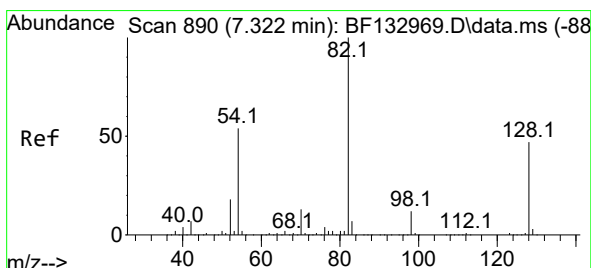
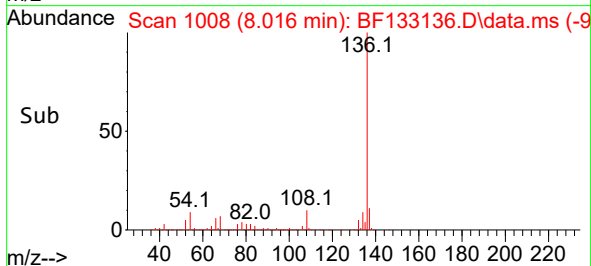
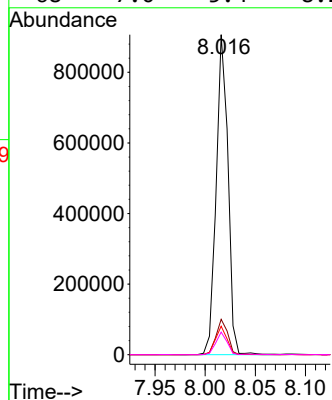
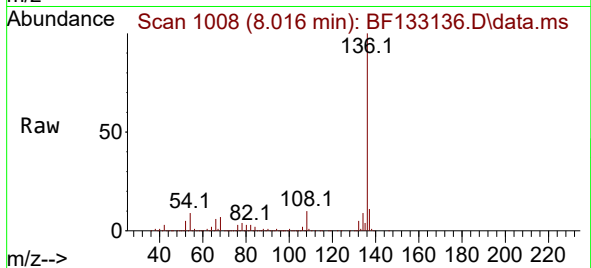
Ion Ratio Lower Upper

136 100

137 11.0 8.6 13.0

54 8.9 7.0 10.4

68 7.0 5.4 8.2



#23

Nitrobenzene-d5

Concen: 79.470 ng

RT: 7.298 min Scan# 886

Delta R.T. -0.006 min

Lab File: BF133136.D

Acq: 28 Apr 2023 22:58

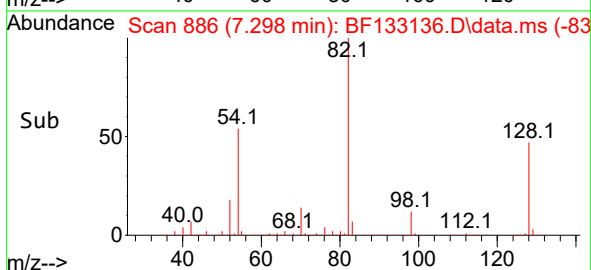
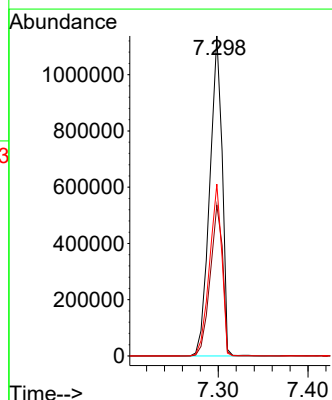
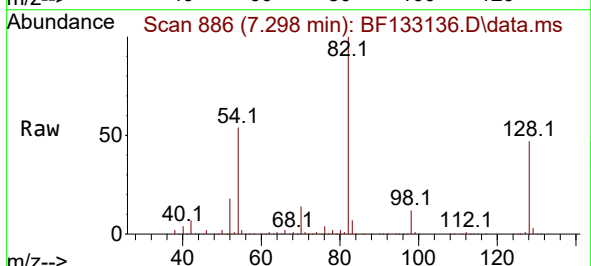
Tgt Ion: 82 Resp: 1091620

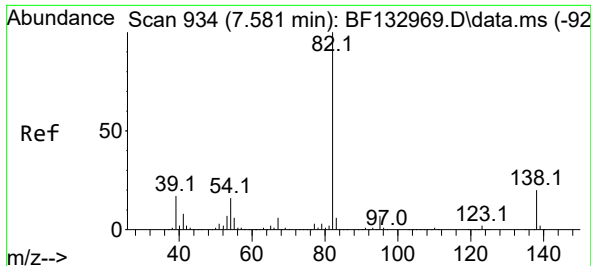
Ion Ratio Lower Upper

82 100

128 47.1 37.7 56.5

54 53.7 43.0 64.4

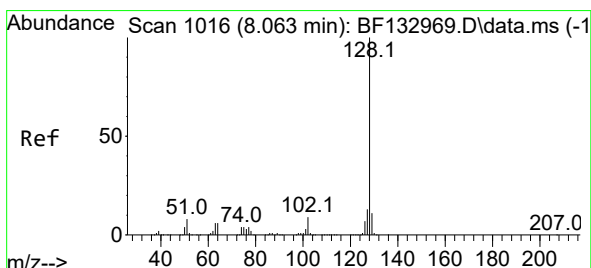
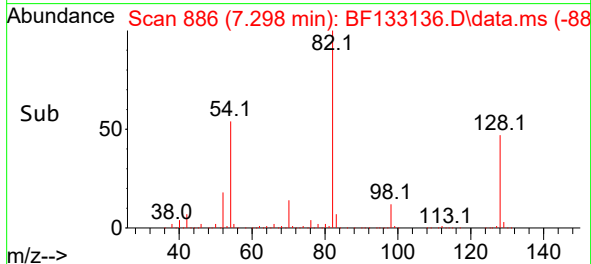
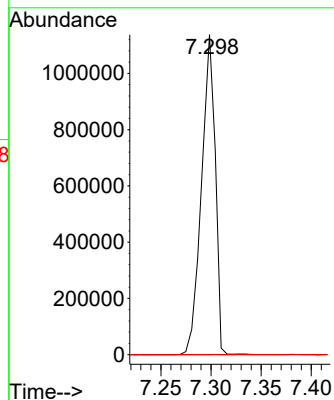
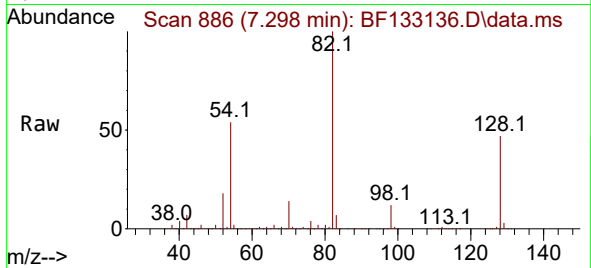




#25
Isophorone
Concen: 41.736 ng
RT: 7.298 min Scan# 81
Delta R.T. -0.265 min
Lab File: BF133136.D
Acq: 28 Apr 2023 22:58

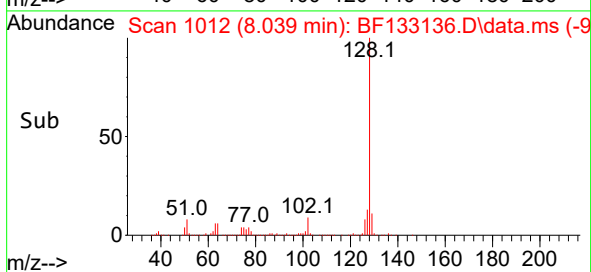
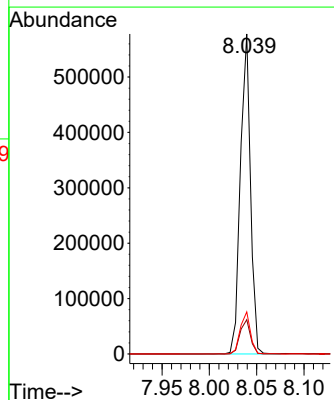
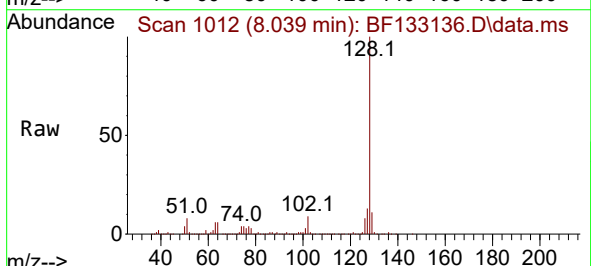
Instrument :
BNA_F
ClientSampleId :
GMW-X

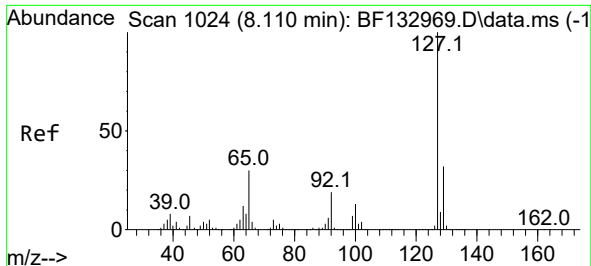
Tgt Ion: 82 Resp: 1088474
Ion Ratio Lower Upper
82 100
95 0.0 5.4 8.0#
138 0.0 16.0 24.0#



#31
Naphthalene
Concen: 11.523 ng
RT: 8.039 min Scan# 1012
Delta R.T. -0.006 min
Lab File: BF133136.D
Acq: 28 Apr 2023 22:58

Tgt Ion:128 Resp: 427161
Ion Ratio Lower Upper
128 100
129 10.7 8.8 13.2
127 13.1 10.7 16.1

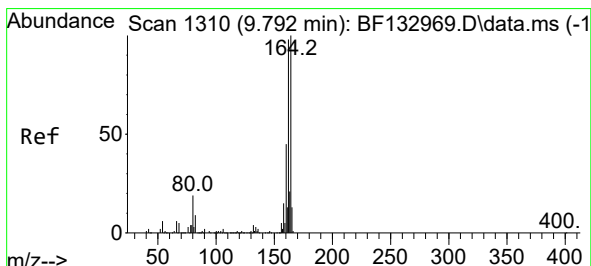
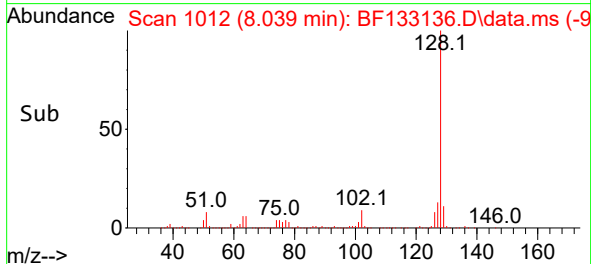
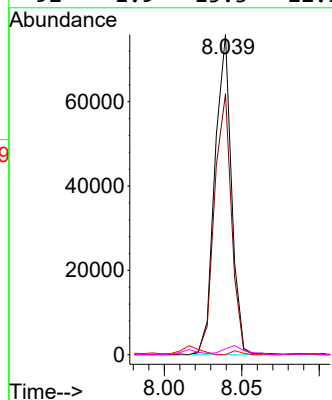
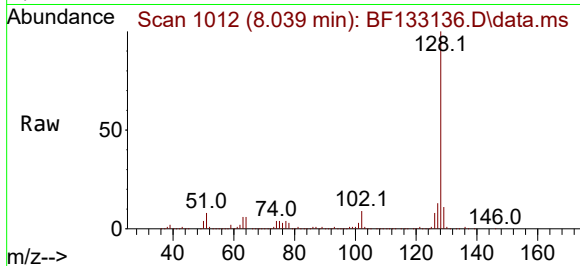




#33
4-Chloroaniline
Concen: 3.785 ng
RT: 8.039 min Scan# 1012
Delta R.T. -0.053 min
Lab File: BF133136.D
Acq: 28 Apr 2023 22:58

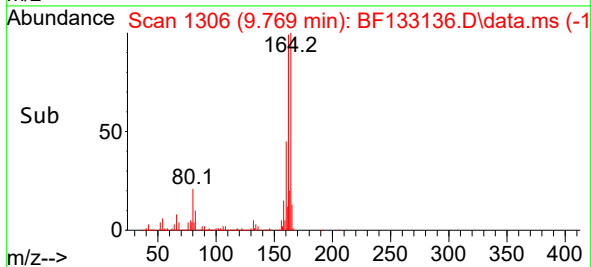
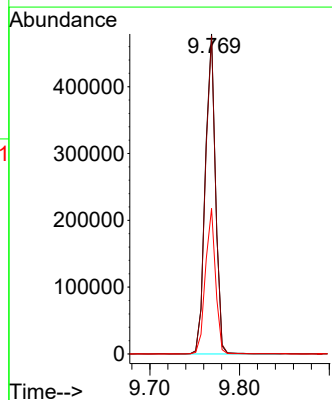
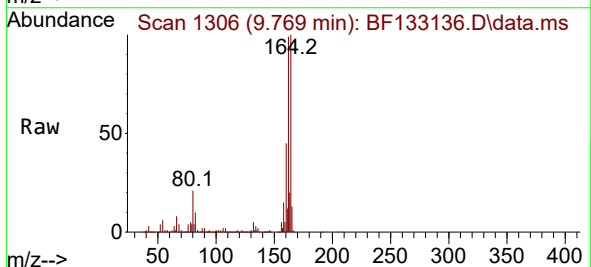
Instrument :
BNA_F
ClientSampleId :
GMW-X

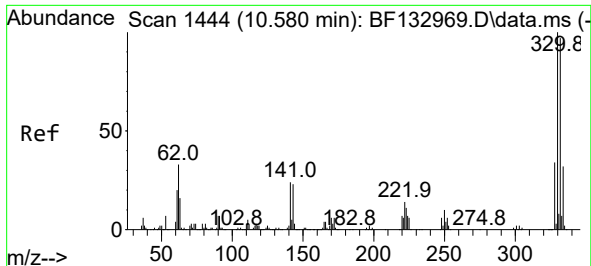
Tgt Ion:127	Resp:	56696
Ion Ratio	Lower	Upper
127	100	
129	81.5	25.8 38.8#
65	0.0	23.6 35.4#
92	1.9	15.3 22.9#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.769 min Scan# 1306
Delta R.T. -0.006 min
Lab File: BF133136.D
Acq: 28 Apr 2023 22:58

Tgt Ion:164	Resp:	377443
Ion Ratio	Lower	Upper
164	100	
162	99.4	78.7 118.1
160	45.5	35.8 53.6





#42

2,4,6-Tribromophenol

Concen: 117.962 ng

RT: 10.557 min Scan# 1444

Delta R.T. -0.006 min

Lab File: BF133136.D

Acq: 28 Apr 2023 22:58

Instrument :

BNA_F

ClientSampleId :

GMW-X

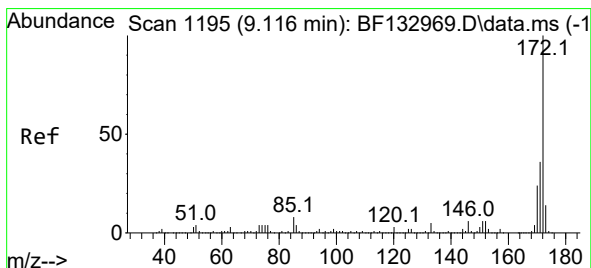
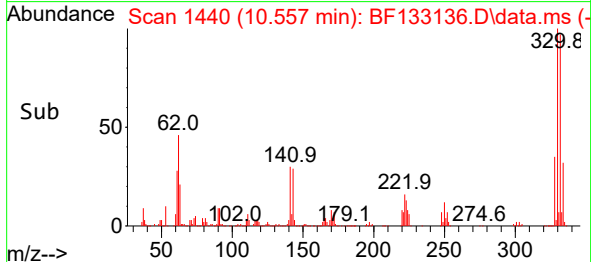
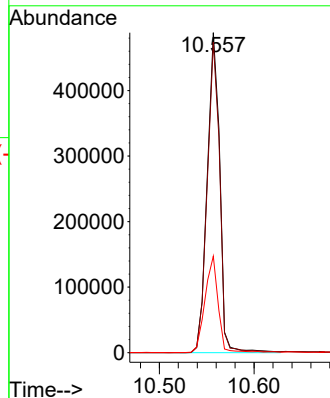
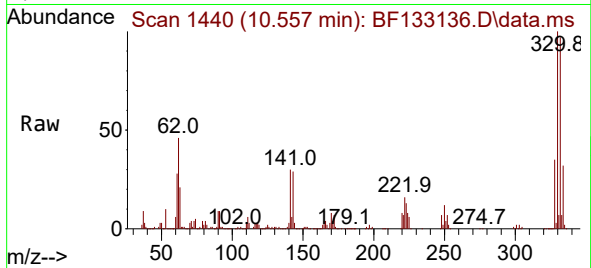
Tgt Ion:330 Resp: 447773

Ion Ratio Lower Upper

330 100

332 96.6 77.1 115.7

141 32.0 25.8 38.8



#45

2-Fluorobiphenyl

Concen: 80.977 ng

RT: 9.098 min Scan# 1192

Delta R.T. 0.000 min

Lab File: BF133136.D

Acq: 28 Apr 2023 22:58

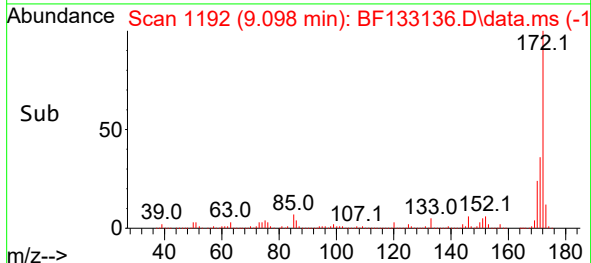
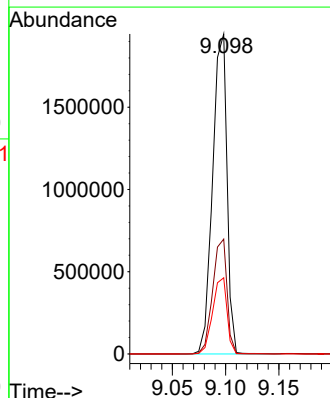
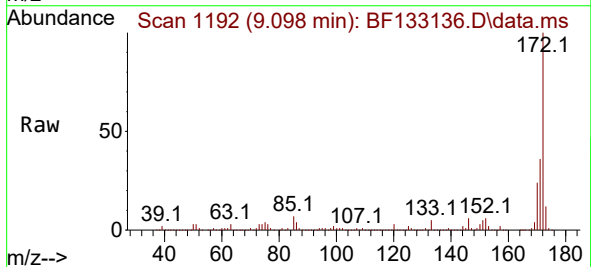
Tgt Ion:172 Resp: 1826912

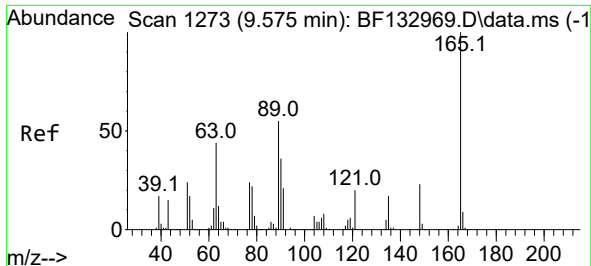
Ion Ratio Lower Upper

172 100

171 35.9 28.8 43.2

170 23.8 19.4 29.2

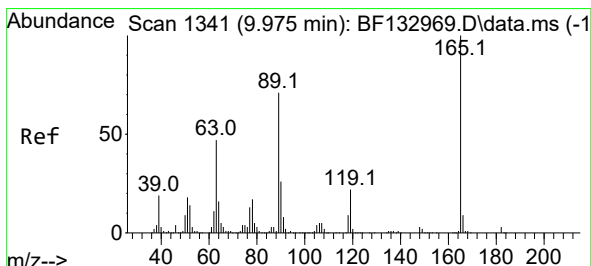
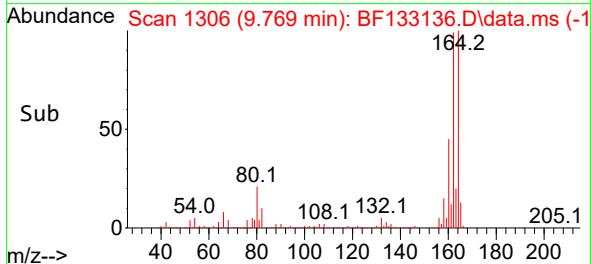
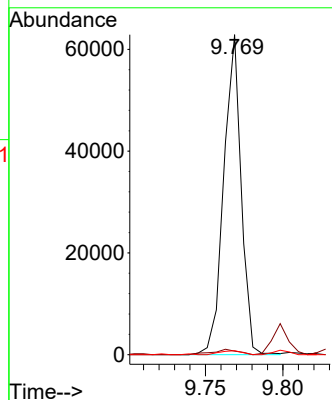
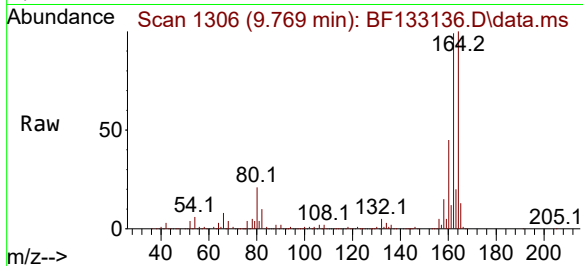




#51
2,6-Dinitrotoluene
Concen: 8.296 ng
RT: 9.769 min Scan# 11
Delta R.T. 0.212 min
Lab File: BF133136.D
Acq: 28 Apr 2023 22:58

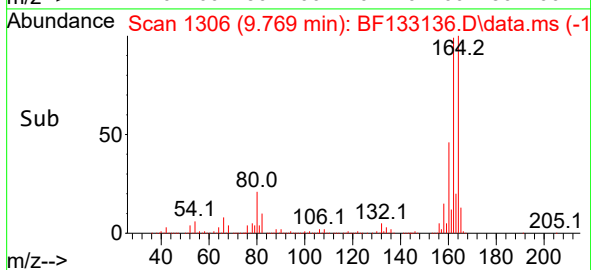
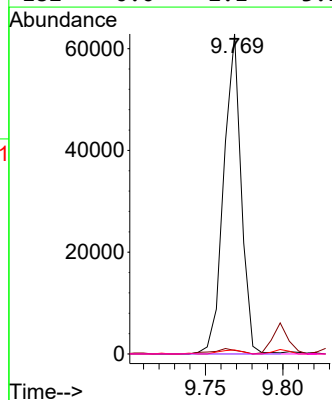
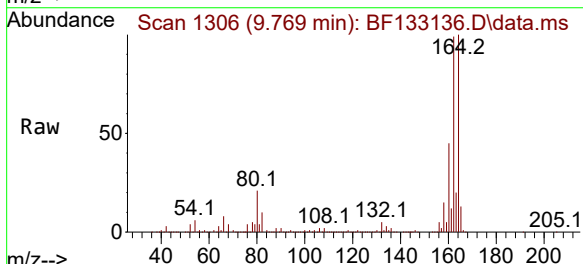
Instrument :
BNA_F
ClientSampleId :
GMW-X

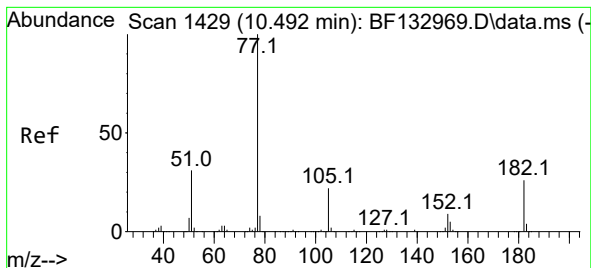
Tgt Ion:165 Resp: 49140
Ion Ratio Lower Upper
165 100
63 1.1 45.9 68.9#
89 1.2 44.0 66.0#



#57
2,4-Dinitrotoluene
Concen: 6.505 ng
RT: 9.769 min Scan# 1306
Delta R.T. -0.194 min
Lab File: BF133136.D
Acq: 28 Apr 2023 22:58

Tgt Ion:165 Resp: 49140
Ion Ratio Lower Upper
165 100
63 1.1 37.7 56.5#
89 1.2 57.0 85.4#
182 0.0 2.1 3.1#





#63

Azobenzene

Concen: 5.161 ng

RT: 10.480 min Scan# 1429

Delta R.T. 0.006 min

Lab File: BF133136.D

Acq: 28 Apr 2023 22:58

Instrument :

BNA_F

ClientSampleId :

GMW-X

Tgt Ion: 77 Resp: 135914

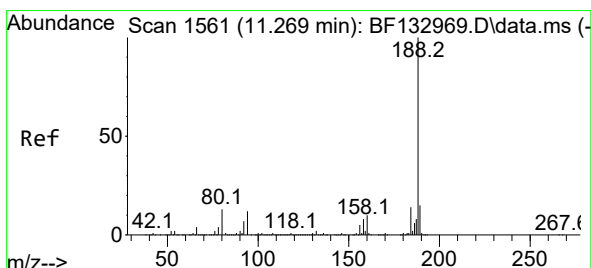
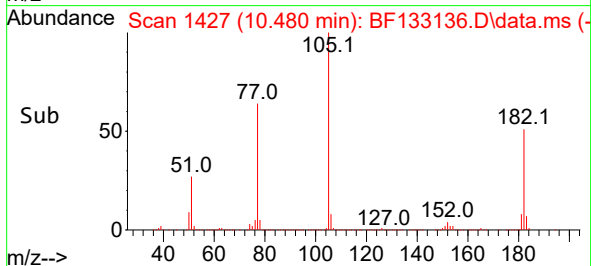
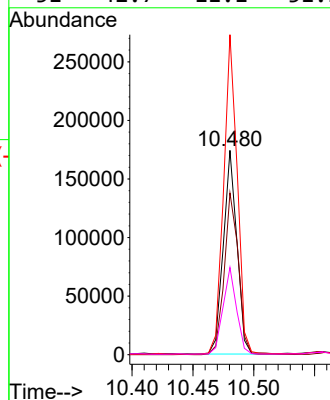
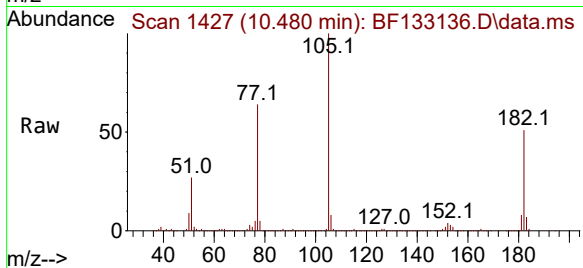
Ion Ratio Lower Upper

77 100

182 79.2 5.9 45.9#

105 156.6 2.3 42.3#

51 42.7 11.1 51.1



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.251 min Scan# 1558

Delta R.T. 0.000 min

Lab File: BF133136.D

Acq: 28 Apr 2023 22:58

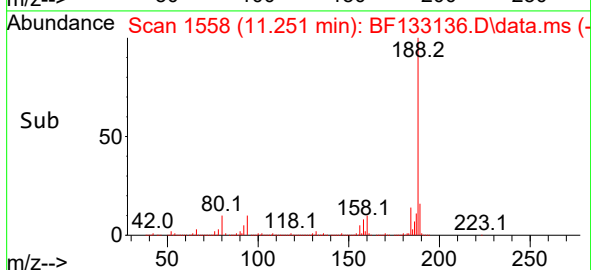
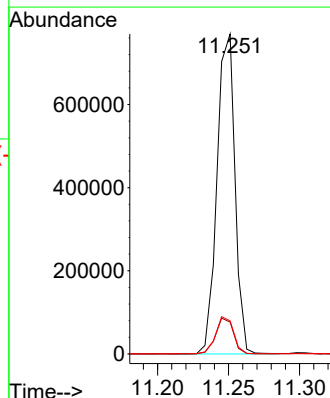
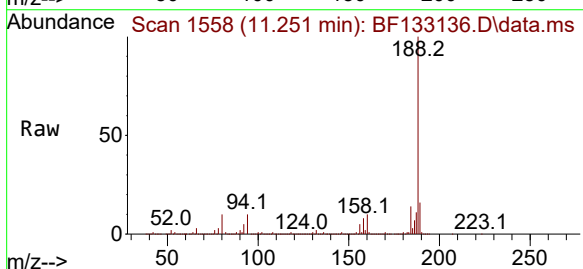
Tgt Ion:188 Resp: 676993

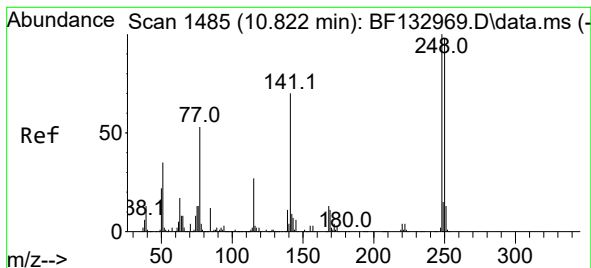
Ion Ratio Lower Upper

188 100

94 9.9 9.7 14.5

80 10.3 10.4 15.6#

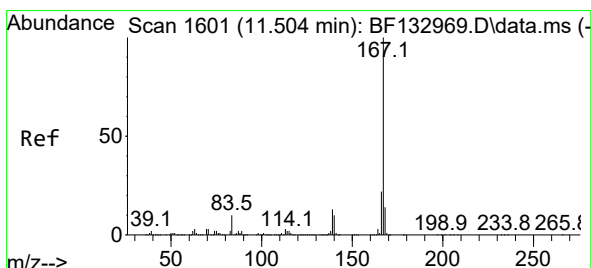
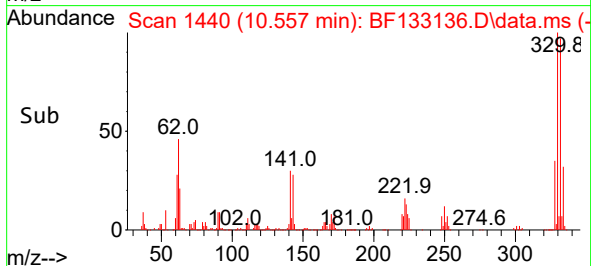
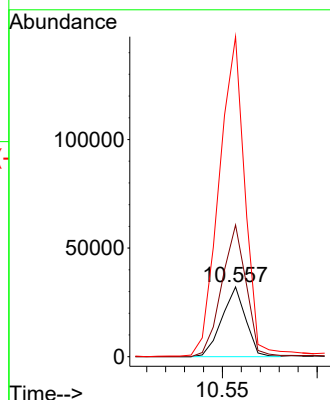
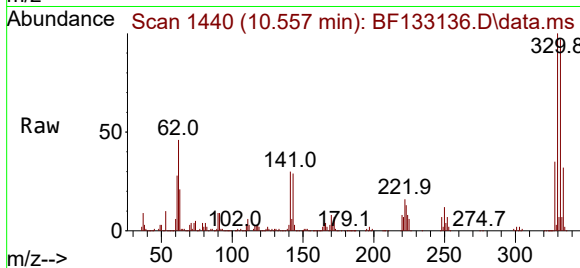




#67
4-Bromophenyl-phenylether
Concen: 3.825 ng
RT: 10.557 min Scan# 1485
Delta R.T. -0.247 min
Lab File: BF133136.D
Acq: 28 Apr 2023 22:58

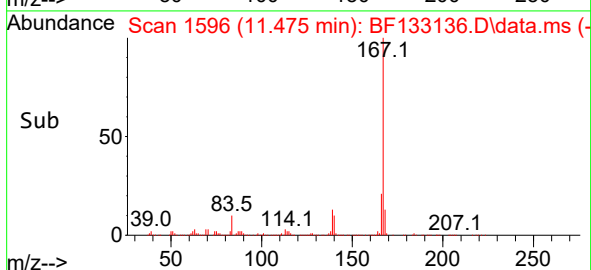
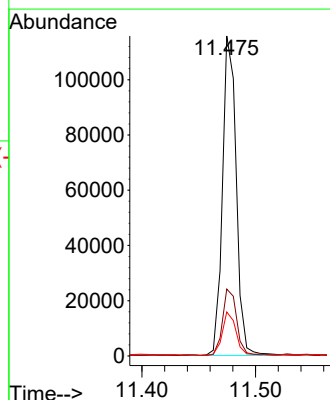
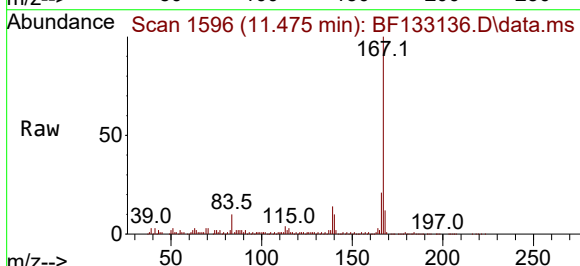
Instrument :
BNA_F
ClientSampleId :
GMW-X

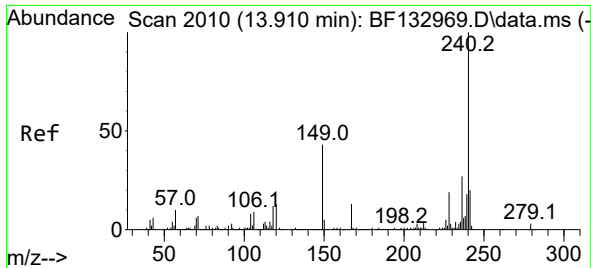
Tgt Ion:248 Resp: 28088
Ion Ratio Lower Upper
248 100
250 188.6 78.7 118.1#
141 458.2 56.3 84.5#



#73
Carbazole
Concen: 2.950 ng
RT: 11.475 min Scan# 1596
Delta R.T. -0.012 min
Lab File: BF133136.D
Acq: 28 Apr 2023 22:58

Tgt Ion:167 Resp: 97814
Ion Ratio Lower Upper
167 100
166 20.9 17.4 26.0
139 13.7 10.6 16.0

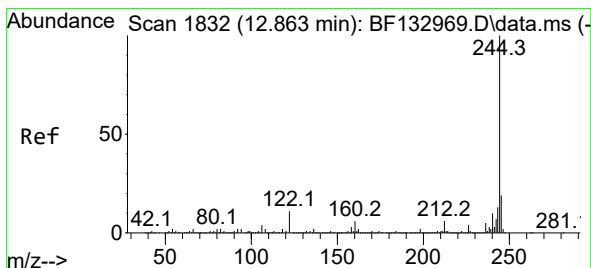
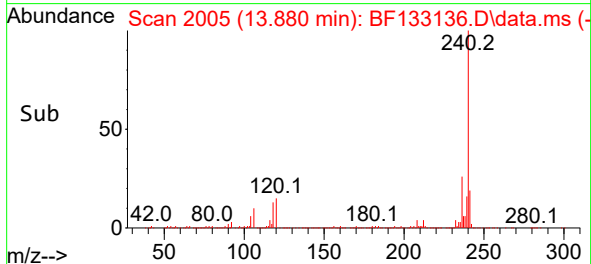
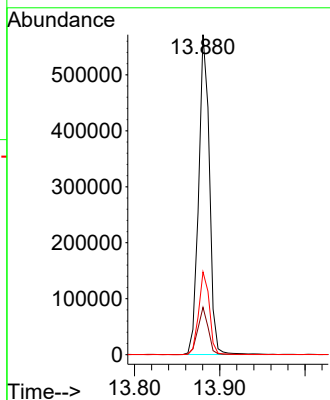
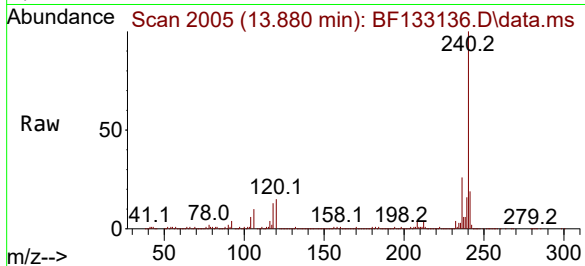




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.880 min Scan# 2010
Delta R.T. -0.012 min
Lab File: BF133136.D
Acq: 28 Apr 2023 22:58

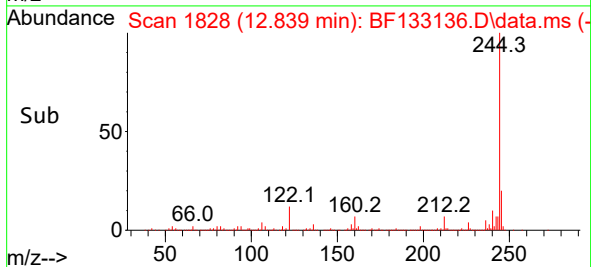
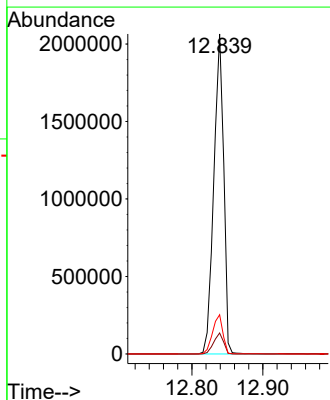
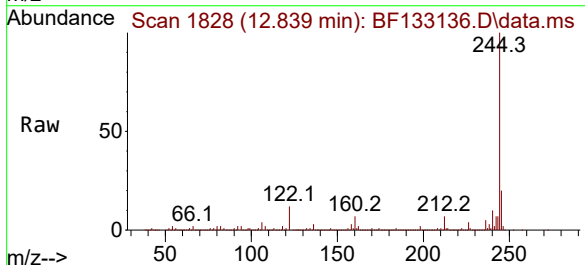
Instrument :
BNA_F
ClientSampleId :
GMW-X

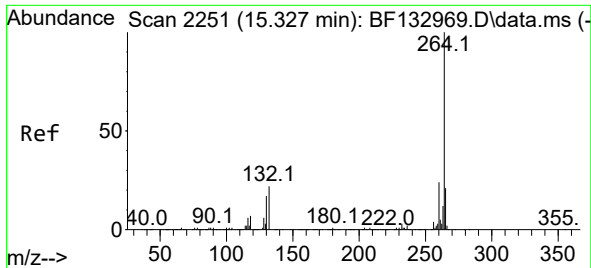
Tgt Ion:240 Resp: 502251
Ion Ratio Lower Upper
240 100
120 14.8 10.5 15.7
236 25.9 21.5 32.3



#79
Terphenyl-d14
Concen: 68.484 ng
RT: 12.839 min Scan# 1828
Delta R.T. 0.000 min
Lab File: BF133136.D
Acq: 28 Apr 2023 22:58

Tgt Ion:244 Resp: 1994365
Ion Ratio Lower Upper
244 100
212 6.6 5.1 7.7
122 12.2 8.6 13.0





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.304 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF133136.D
Acq: 28 Apr 2023 22:58

Instrument :
BNA_F
ClientSampleId :
GMW-X

Tgt Ion:264 Resp: 380375
Ion Ratio Lower Upper
264 100
260 23.8 18.8 28.2
265 21.6 17.0 25.4

