

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060523\
 Data File : BF133568.D
 Acq On : 05 Jun 2023 16:28
 Operator : CG\JU
 Sample : 02998-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PAT-2-053123

Quant Time: Jun 05 17:51:46 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052523.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 05 17:49:53 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.834	152	151530	20.000	ng	0.00
21) Naphthalene-d8	8.116	136	542556	20.000	ng	0.00
39) Acenaphthene-d10	9.869	164	241692	20.000	ng	0.00
64) Phenanthrene-d10	11.357	188	425768	20.000	ng	0.00
76) Chrysene-d12	14.004	240	260804	20.000	ng	# 0.00
86) Perylene-d12	15.462	264	216047	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.440	112	622339	68.524	ng	0.00
7) Phenol-d6	6.457	99	743187	66.474	ng	0.00
23) Nitrobenzene-d5	7.392	82	451560	55.570	ng	0.00
42) 2,4,6-Tribromophenol	10.657	330	172176	71.465	ng	0.00
45) 2-Fluorobiphenyl	9.192	172	845994	54.025	ng	0.00
79) Terphenyl-d14	12.951	244	793441	54.091	ng	0.00
Target Compounds						
						Qvalue
9) Benzaldehyde	6.381	77	149	Below Cal	#	69
19) n-Nitroso-di-n-propyla...	7.392	70	61171	8.456	ng	# 76
25) Isophorone	7.392	82	450104	23.767	ng	# 65
32) Benzoic acid	7.792	122	119	7.368	ng	# 66
48) 2-Nitroaniline	9.486	65	178	4.026	ng	# 6
51) 2,6-Dinitrotoluene	9.869	165	30784	12.482	ng	# 18
53) 3-Nitroaniline	9.757	138	68	3.195	ng	# 1
57) 2,4-Dinitrotoluene	9.869	165	30784	11.666	ng	# 16
62) 4-Nitroaniline	10.416	138	211	3.033	ng	# 19
65) 4,6-Dinitro-2-methylph...	10.657	198	208	8.809	ng	# 1
67) 4-Bromophenyl-phenylether	10.657	248	10621	2.349	ng	# 1
75) Fluoranthene	12.568	202	71194	2.989	ng	98
78) Pyrene	12.798	202	63289	2.852	ng	98
84) Bis(2-ethylhexyl)phtha...	13.986	149	29547	2.692	ng	# 98
88) Benzo(b)fluoranthene	15.033	252	39221	2.788	ng	# 60
89) Benzo(k)fluoranthene	15.033	252	39221	2.859	ng	# 61

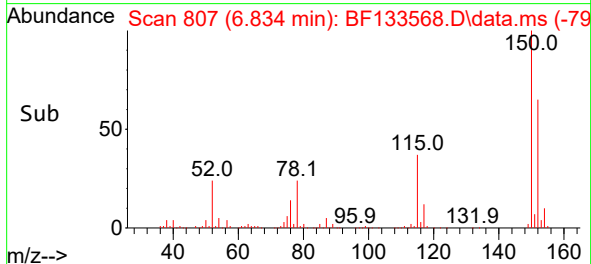
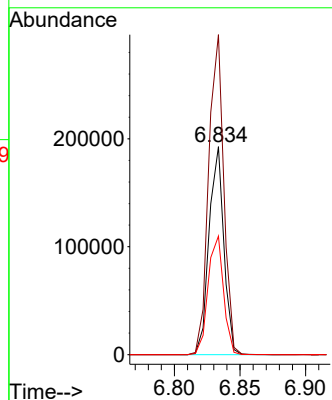
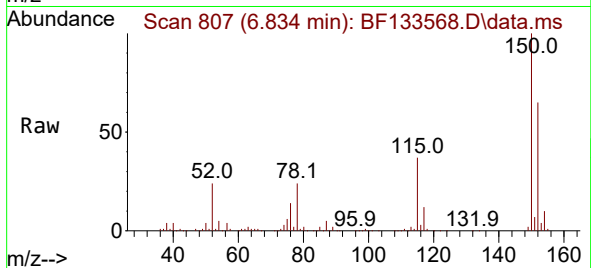
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.834 min Scan# 808
Delta R.T. -0.000 min
Lab File: BF133568.D
Acq: 05 Jun 2023 16:28

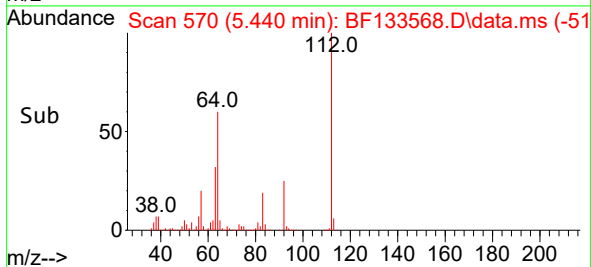
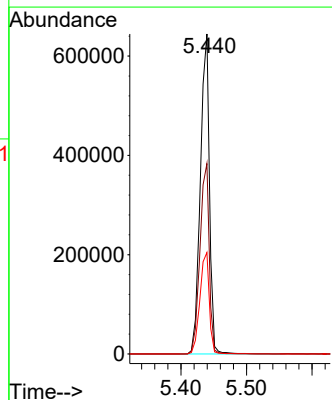
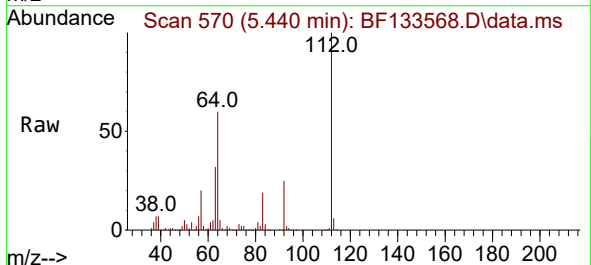
Instrument :
BNA_F
ClientSampleId :
PAT-2-053123

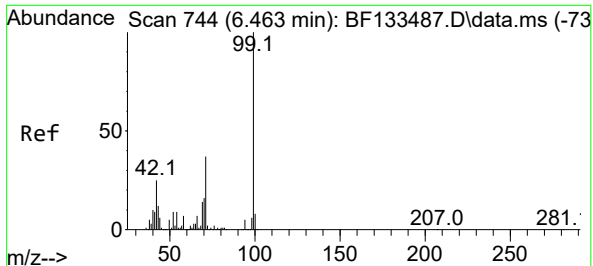
Tgt Ion:152 Resp: 151530
Ion Ratio Lower Upper
152 100
150 153.9 124.9 187.3
115 57.0 48.1 72.1



#5
2-Fluorophenol
Concen: 68.524 ng
RT: 5.440 min Scan# 570
Delta R.T. 0.006 min
Lab File: BF133568.D
Acq: 05 Jun 2023 16:28

Tgt Ion:112 Resp: 622339
Ion Ratio Lower Upper
112 100
64 59.5 50.1 75.1
63 31.7 27.5 41.3

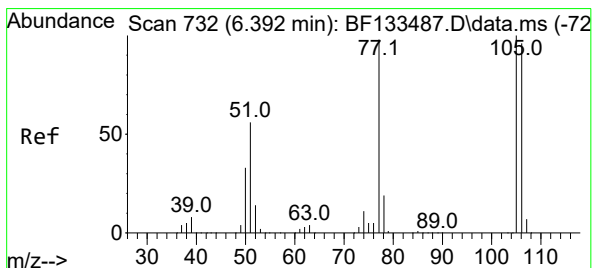
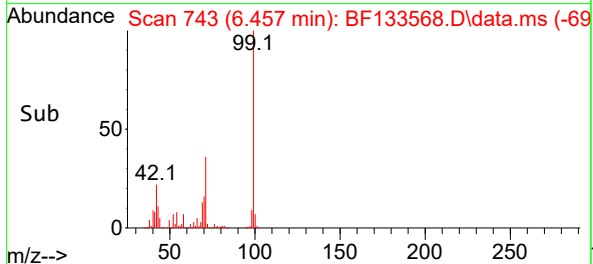
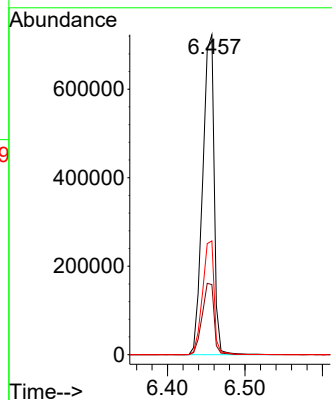
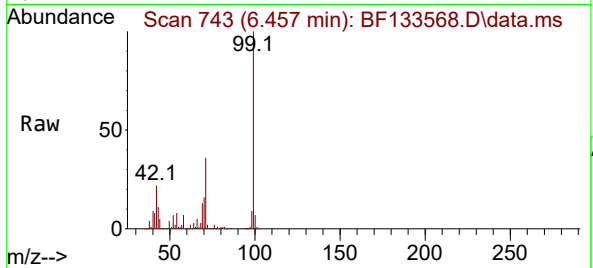




#7
Phenol-d6
Concen: 66.474 ng
RT: 6.457 min Scan# 744
Delta R.T. 0.000 min
Lab File: BF133568.D
Acq: 05 Jun 2023 16:28

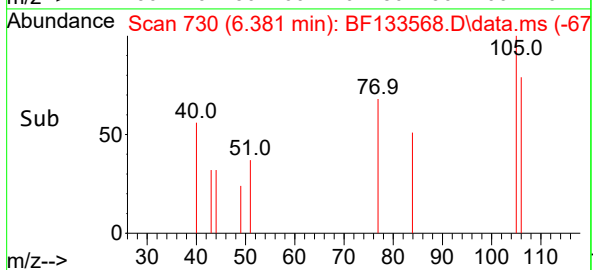
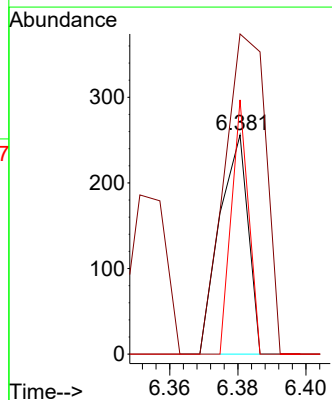
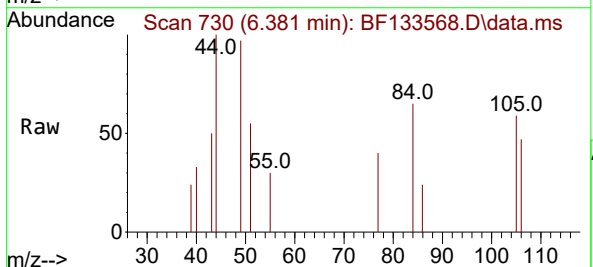
Instrument :
BNA_F
ClientSampleId :
PAT-2-053123

Tgt Ion: 99 Resp: 743187
Ion Ratio Lower Upper
99 100
42 21.9 19.7 29.5
71 35.5 29.8 44.8



#9
Benzaldehyde
Concen: Below Cal
RT: 6.381 min Scan# 730
Delta R.T. 0.000 min
Lab File: BF133568.D
Acq: 05 Jun 2023 16:28

Tgt Ion: 77 Resp: 149
Ion Ratio Lower Upper
77 100
105 146.1 81.9 121.9#
106 116.0 77.8 117.8





#19

n-Nitroso-di-n-propylamine

Concen: 8.456 ng

RT: 7.392 min Scan# 90

Delta R.T. 0.141 min

Lab File: BF133568.D

Acq: 05 Jun 2023 16:28

Instrument :

BNA_F

ClientSampleId :

PAT-2-053123

Tgt Ion: 70 Resp: 61171

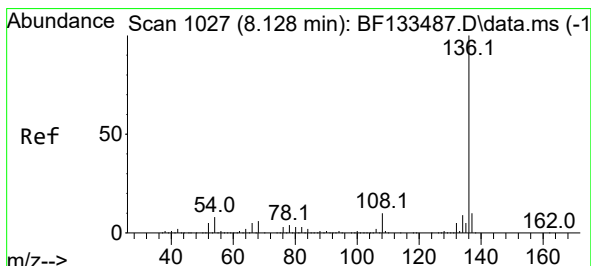
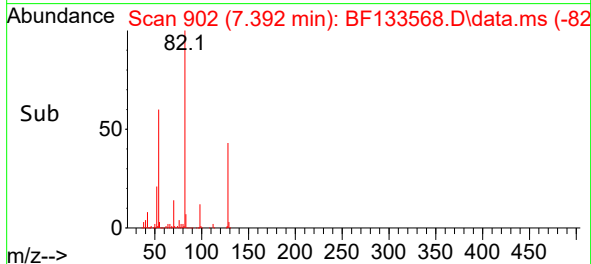
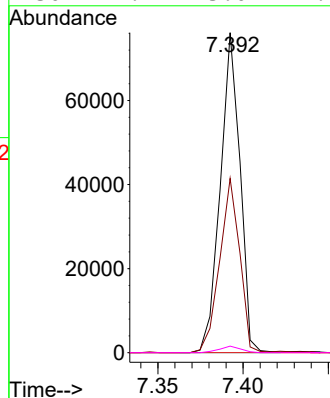
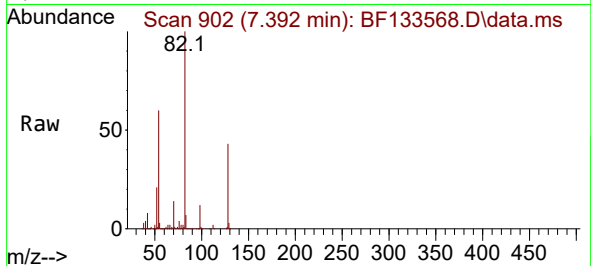
Ion Ratio Lower Upper

70 100

42 54.5 57.2 85.8#

101 0.0 7.3 10.9#

130 2.1 15.0 22.4#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.116 min Scan# 1025

Delta R.T. 0.000 min

Lab File: BF133568.D

Acq: 05 Jun 2023 16:28

Tgt Ion: 136 Resp: 542556

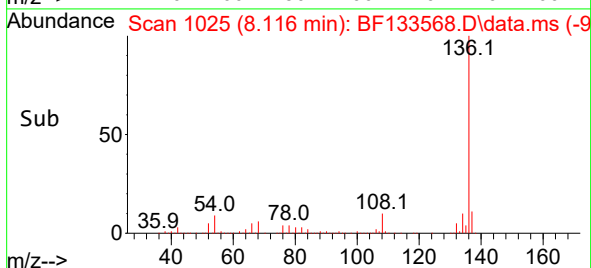
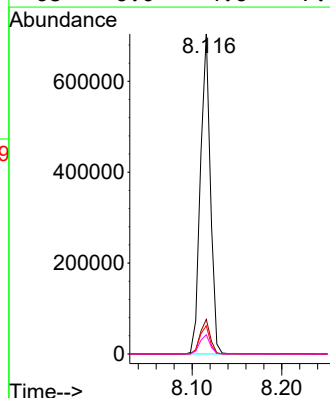
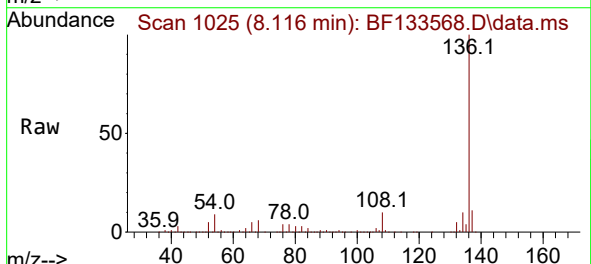
Ion Ratio Lower Upper

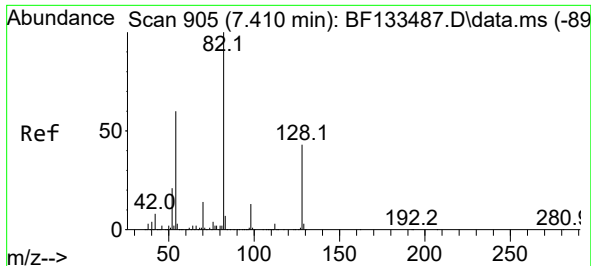
136 100

137 10.8 8.2 12.4

54 8.8 6.6 10.0

68 6.0 4.6 7.0





#23

Nitrobenzene-d5

Concen: 55.570 ng

RT: 7.392 min Scan# 902

Delta R.T. -0.006 min

Lab File: BF133568.D

Acq: 05 Jun 2023 16:28

Instrument :

BNA_F

ClientSampleId :

PAT-2-053123

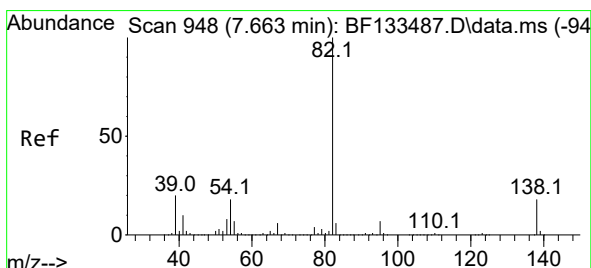
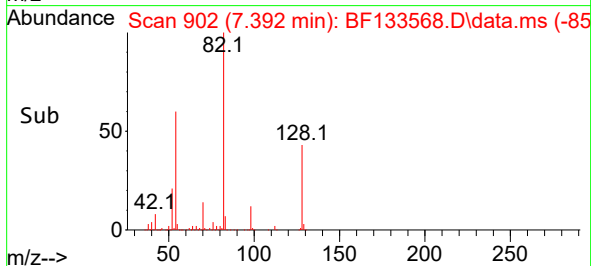
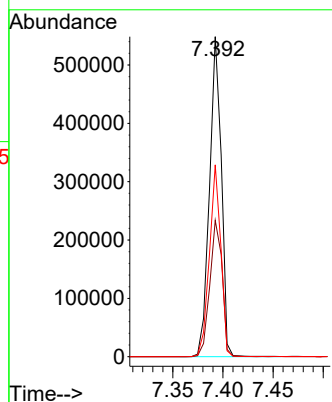
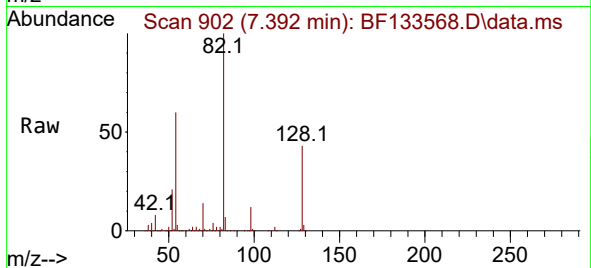
Tgt Ion: 82 Resp: 451560

Ion Ratio Lower Upper

82 100

128 42.6 34.2 51.4

54 60.0 48.2 72.4



#25

Isophorone

Concen: 23.767 ng

RT: 7.392 min Scan# 902

Delta R.T. -0.265 min

Lab File: BF133568.D

Acq: 05 Jun 2023 16:28

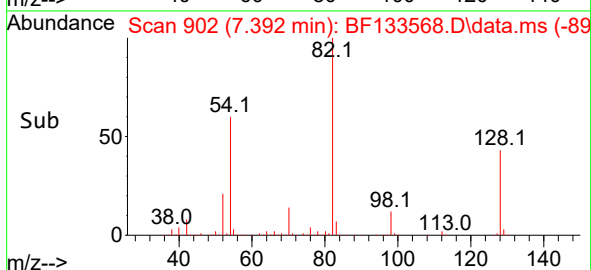
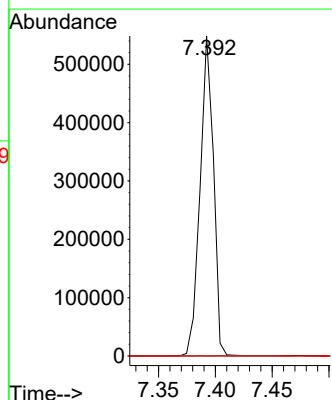
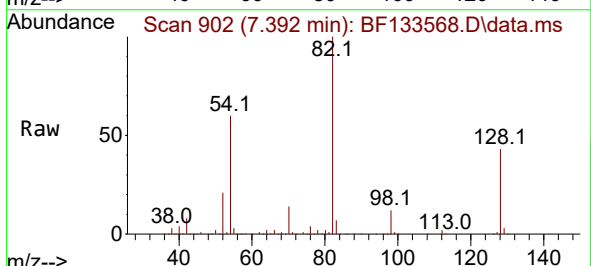
Tgt Ion: 82 Resp: 450104

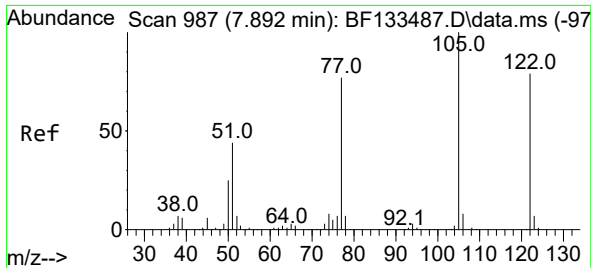
Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

138 0.0 14.2 21.4#

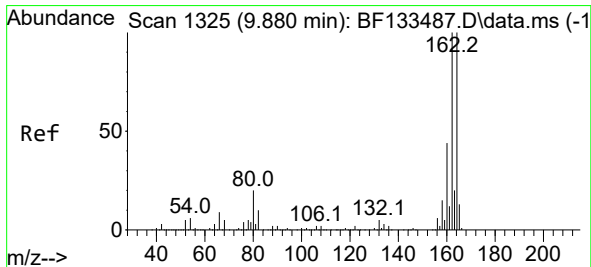
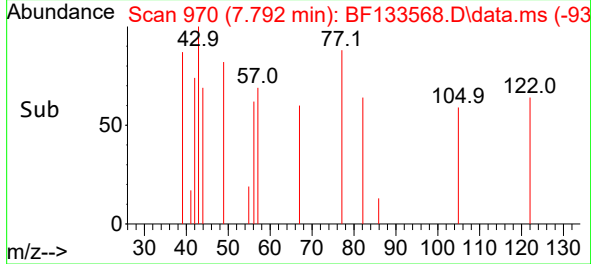
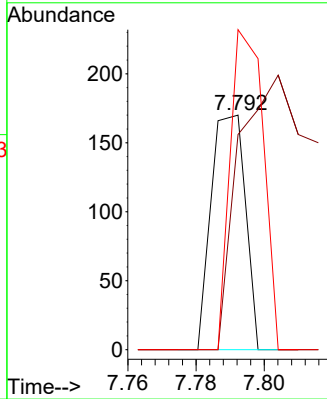
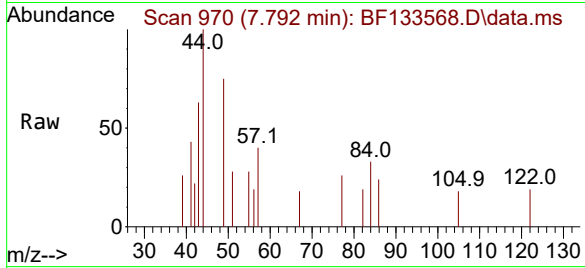




#32
Benzoic acid
Concen: 7.368 ng
RT: 7.792 min Scan# 91
Delta R.T. -0.071 min
Lab File: BF133568.D
Acq: 05 Jun 2023 16:28

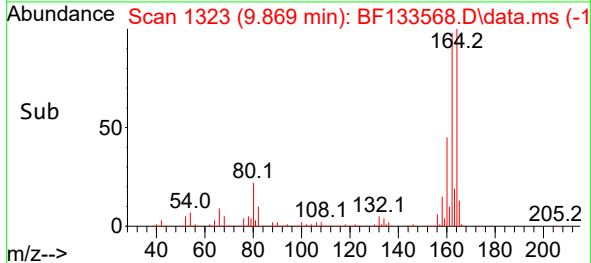
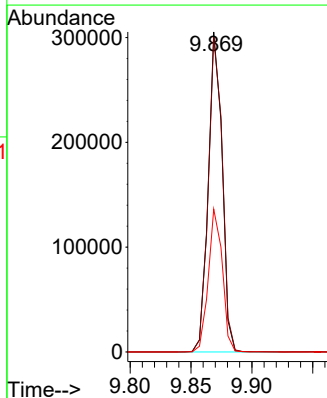
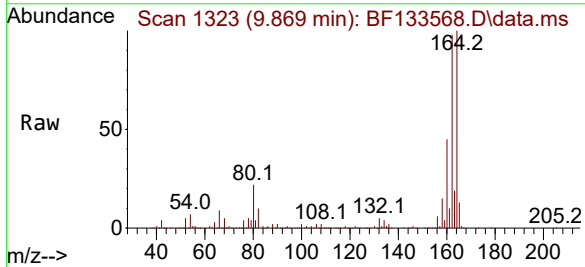
Instrument :
BNA_F
ClientSampleId :
PAT-2-053123

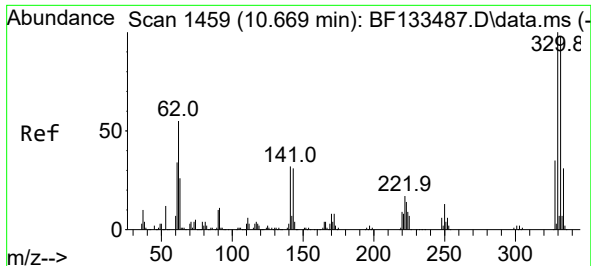
Tgt Ion:122 Resp: 119
Ion Ratio Lower Upper
122 100
105 91.8 103.3 143.3#
77 136.5 75.7 115.7#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.869 min Scan# 1323
Delta R.T. -0.006 min
Lab File: BF133568.D
Acq: 05 Jun 2023 16:28

Tgt Ion:164 Resp: 241692
Ion Ratio Lower Upper
164 100
162 98.3 79.7 119.5
160 44.6 35.4 53.0





#42

2,4,6-Tribromophenol

Concen: 71.465 ng

RT: 10.657 min Scan# 1457

Delta R.T. -0.006 min

Lab File: BF133568.D

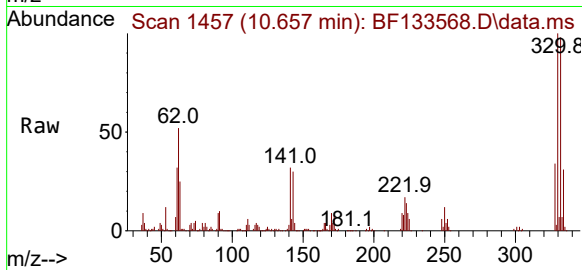
Acq: 05 Jun 2023 16:28

Instrument :

BNA_F

ClientSampleId :

PAT-2-053123



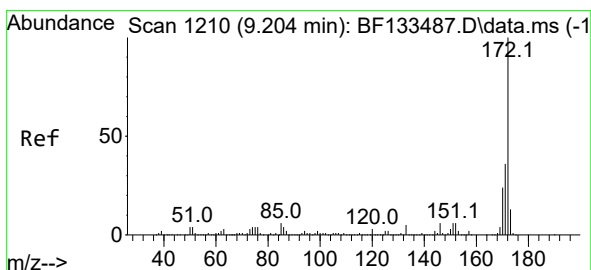
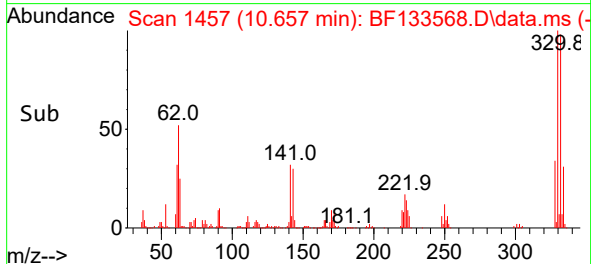
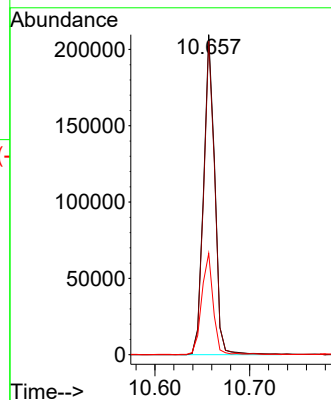
Tgt Ion:330 Resp: 172176

Ion Ratio Lower Upper

330 100

332 97.6 77.8 116.6

141 33.1 26.6 40.0



#45

2-Fluorobiphenyl

Concen: 54.025 ng

RT: 9.192 min Scan# 1208

Delta R.T. 0.000 min

Lab File: BF133568.D

Acq: 05 Jun 2023 16:28

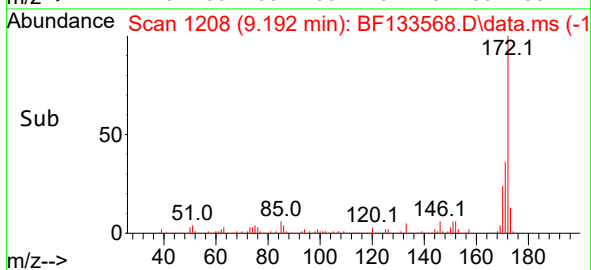
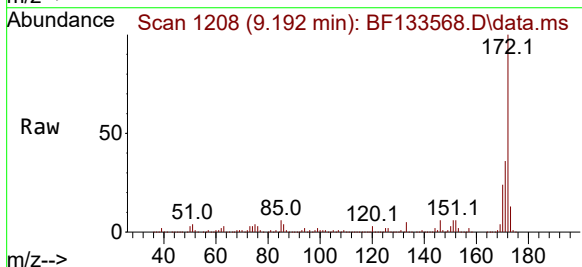
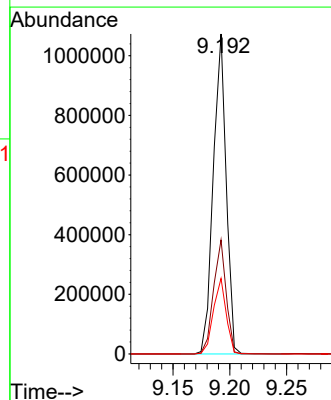
Tgt Ion:172 Resp: 845994

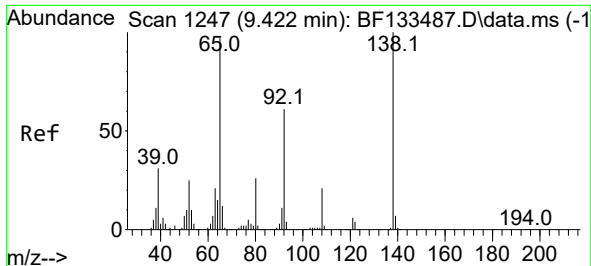
Ion Ratio Lower Upper

172 100

171 35.7 28.4 42.6

170 23.6 19.3 28.9

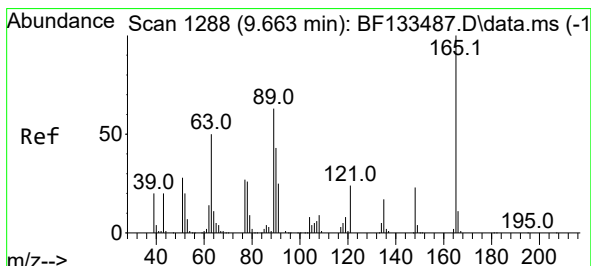
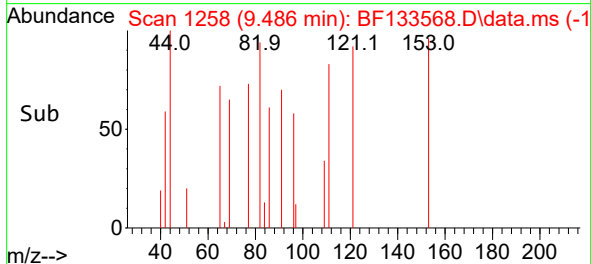
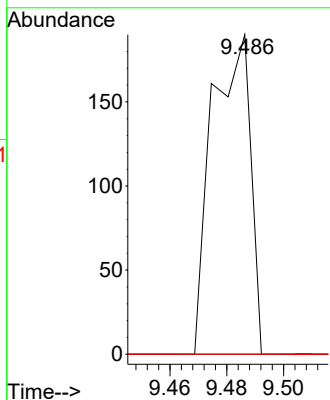
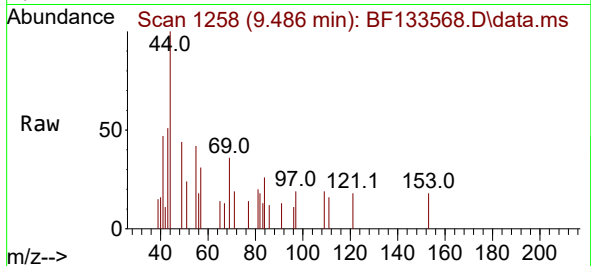




#48
2-Nitroaniline
Concen: 4.026 ng
RT: 9.486 min Scan# 11
Delta R.T. 0.077 min
Lab File: BF133568.D
Acq: 05 Jun 2023 16:28

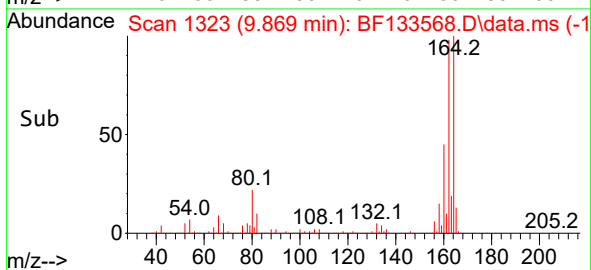
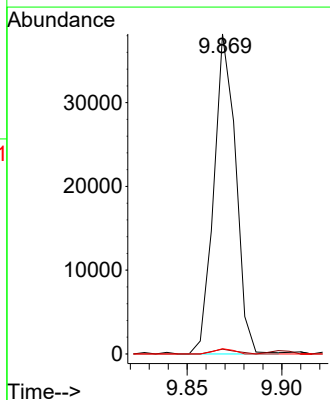
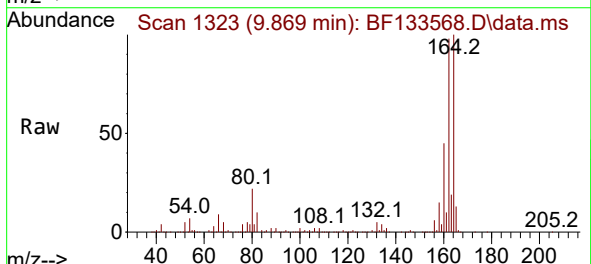
Instrument :
BNA_F
ClientSampleId :
PAT-2-053123

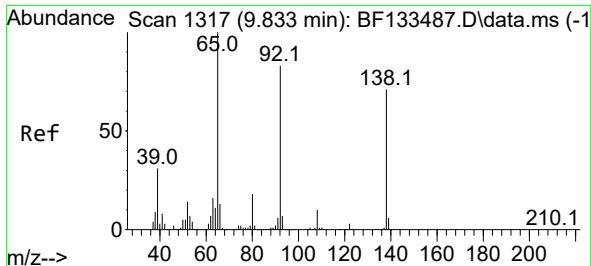
Tgt Ion: 65 Resp: 178
Ion Ratio Lower Upper
65 100
92 0.0 50.8 76.2#
138 0.0 82.6 124.0#



#51
2,6-Dinitrotoluene
Concen: 12.482 ng
RT: 9.869 min Scan# 1323
Delta R.T. 0.212 min
Lab File: BF133568.D
Acq: 05 Jun 2023 16:28

Tgt Ion: 165 Resp: 30784
Ion Ratio Lower Upper
165 100
63 1.5 57.0 85.4#
89 1.7 50.8 76.2#

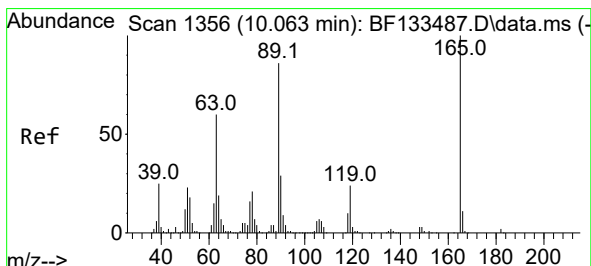
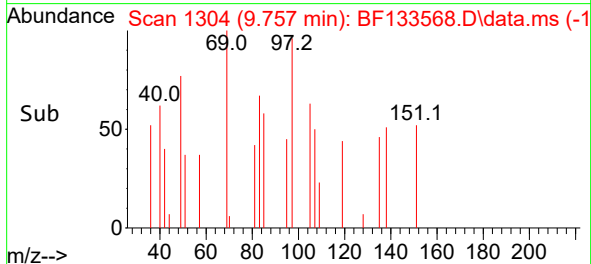
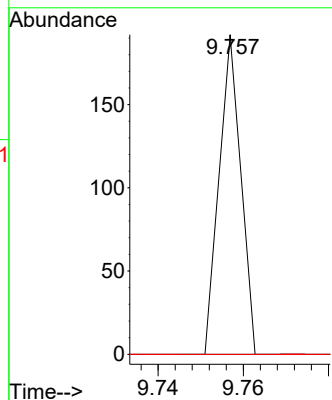
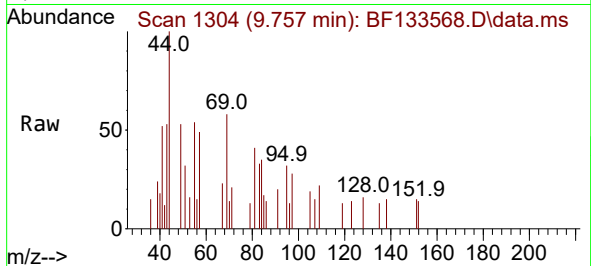




#53
3-Nitroaniline
Concen: 3.195 ng
RT: 9.757 min Scan# 11
Delta R.T. -0.071 min
Lab File: BF133568.D
Acq: 05 Jun 2023 16:28

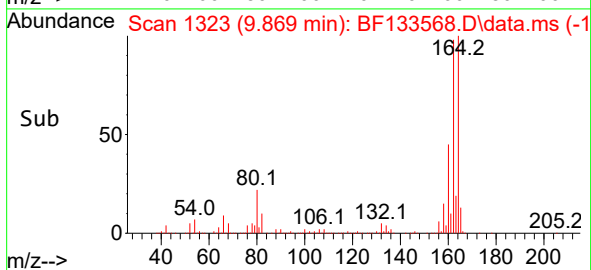
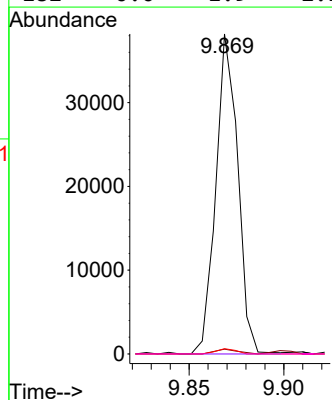
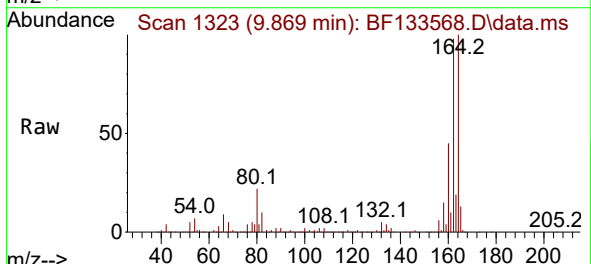
Instrument :
BNA_F
ClientSampleId :
PAT-2-053123

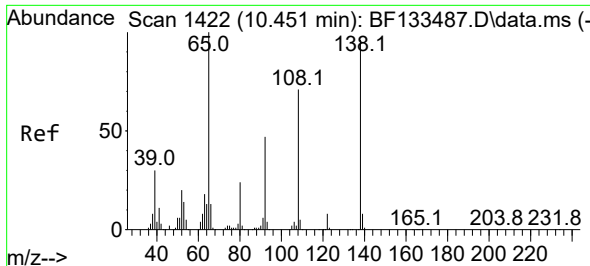
Tgt Ion:138 Resp: 68
Ion Ratio Lower Upper
138 100
108 0.0 11.9 17.9#
92 0.0 93.1 139.7#



#57
2,4-Dinitrotoluene
Concen: 11.666 ng
RT: 9.869 min Scan# 1323
Delta R.T. -0.188 min
Lab File: BF133568.D
Acq: 05 Jun 2023 16:28

Tgt Ion:165 Resp: 30784
Ion Ratio Lower Upper
165 100
63 1.5 48.1 72.1#
89 1.7 68.4 102.6#
182 0.0 1.9 2.9#

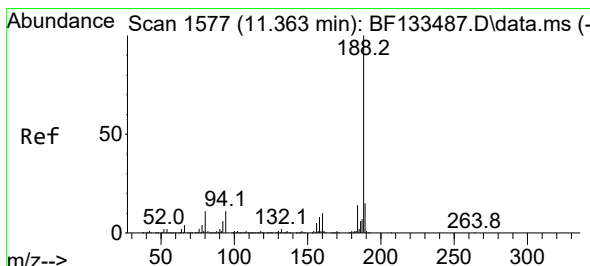
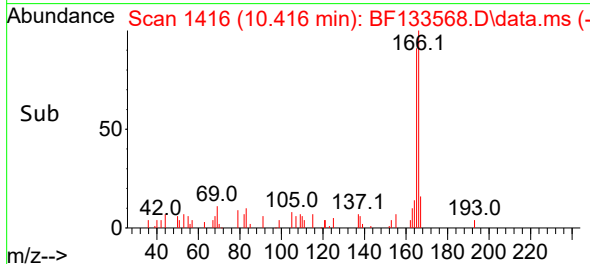
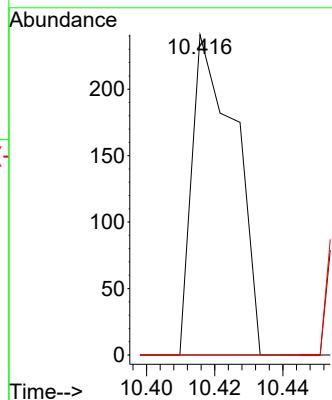
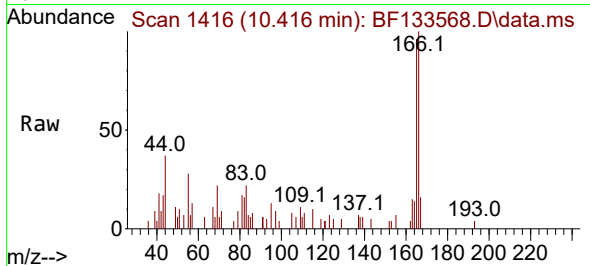




#62
4-Nitroaniline
Concen: 3.033 ng
RT: 10.416 min Scan# 1422
Delta R.T. -0.024 min
Lab File: BF133568.D
Acq: 05 Jun 2023 16:28

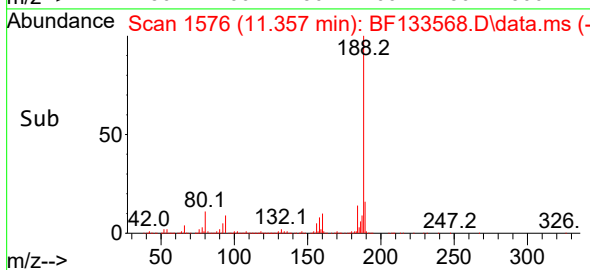
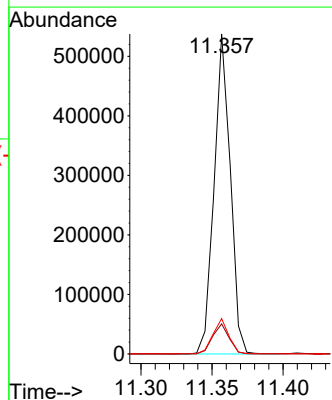
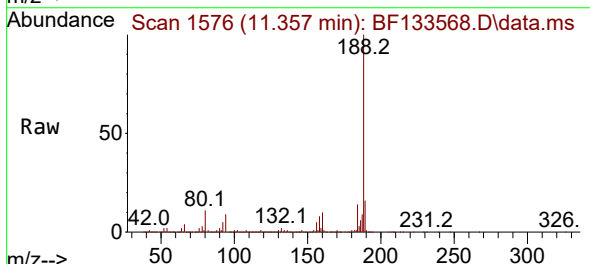
Instrument :
BNA_F
ClientSampleId :
PAT-2-053123

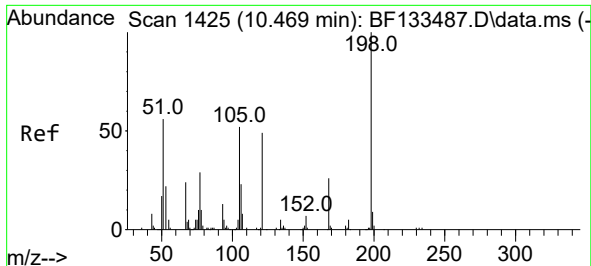
Tgt Ion:138 Resp: 211
Ion Ratio Lower Upper
138 100
92 0.0 28.4 68.4#
108 0.0 54.2 94.2#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.357 min Scan# 1576
Delta R.T. 0.000 min
Lab File: BF133568.D
Acq: 05 Jun 2023 16:28

Tgt Ion:188 Resp: 425768
Ion Ratio Lower Upper
188 100
94 9.4 8.6 12.8
80 11.0 9.2 13.8





#65

4,6-Dinitro-2-methylphenol

Concen: 8.809 ng

RT: 10.657 min Scan# 1425

Delta R.T. 0.194 min

Lab File: BF133568.D

Acq: 05 Jun 2023 16:28

Instrument :

BNA_F

ClientSampleId :

PAT-2-053123

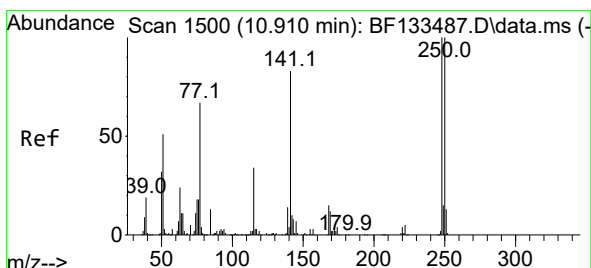
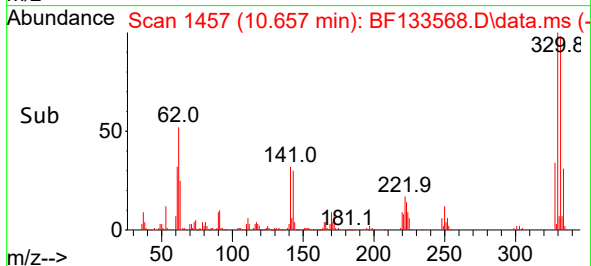
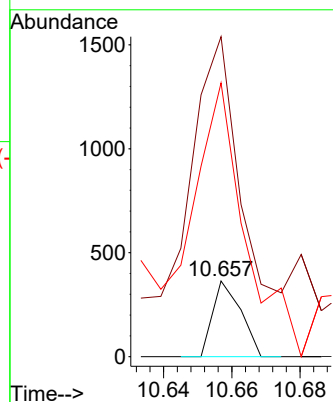
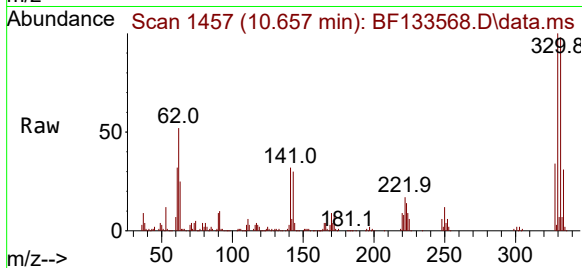
Tgt Ion:198 Resp: 208

Ion Ratio Lower Upper

198 100

51 422.8 53.6 93.6#

105 361.8 35.9 75.9#



#67

4-Bromophenyl-phenylether

Concen: 2.349 ng

RT: 10.657 min Scan# 1457

Delta R.T. -0.247 min

Lab File: BF133568.D

Acq: 05 Jun 2023 16:28

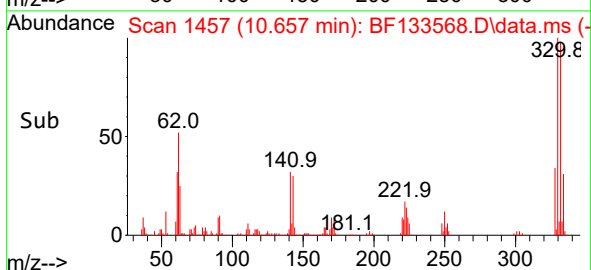
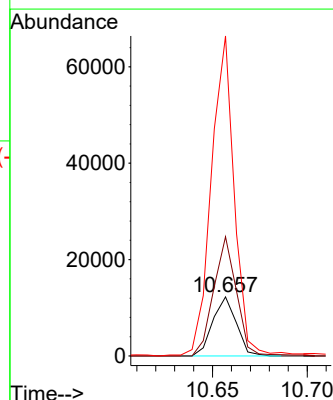
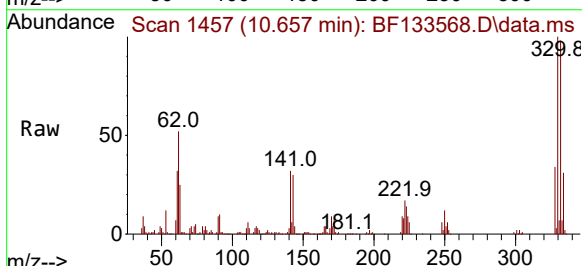
Tgt Ion:248 Resp: 10621

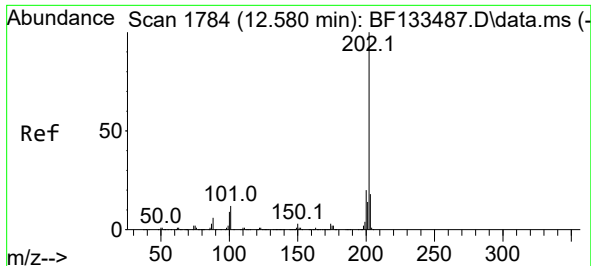
Ion Ratio Lower Upper

248 100

250 202.0 79.7 119.5#

141 542.3 66.6 100.0#

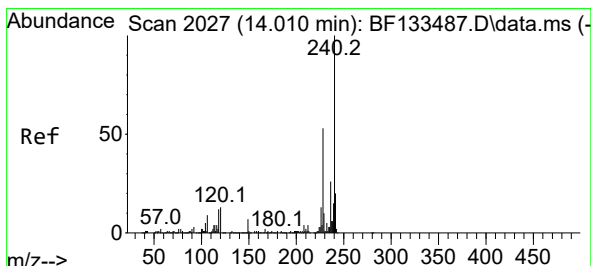
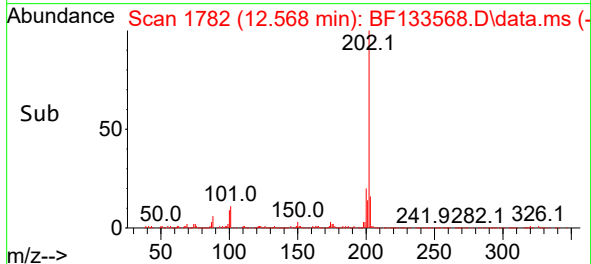
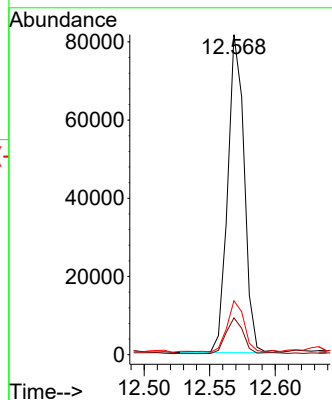
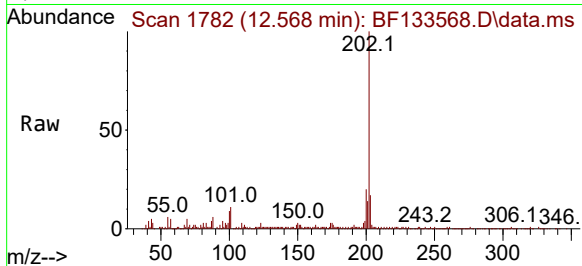




#75
Fluoranthene
Concen: 2.989 ng
RT: 12.568 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF133568.D
Acq: 05 Jun 2023 16:28

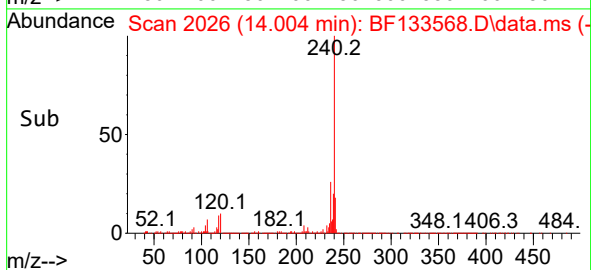
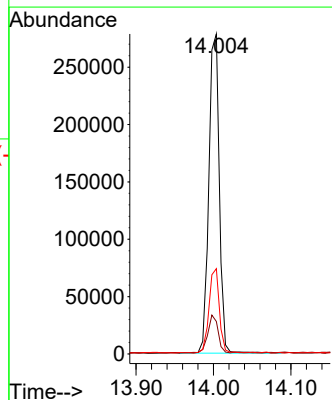
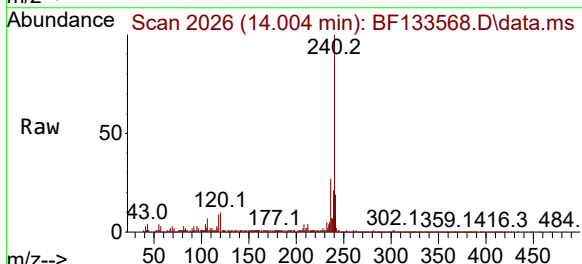
Instrument :
BNA_F
ClientSampleId :
PAT-2-053123

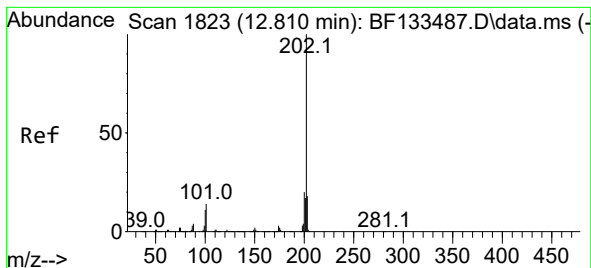
Tgt Ion:202 Resp: 71194
Ion Ratio Lower Upper
202 100
101 11.5 0.0 32.2
203 16.9 0.0 37.8



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.004 min Scan# 2026
Delta R.T. 0.000 min
Lab File: BF133568.D
Acq: 05 Jun 2023 16:28

Tgt Ion:240 Resp: 260804
Ion Ratio Lower Upper
240 100
120 10.1 10.3 15.5#
236 26.6 20.5 30.7





#78

Pyrene

Concen: 2.852 ng

RT: 12.798 min Scan# 1821

Delta R.T. -0.006 min

Lab File: BF133568.D

Acq: 05 Jun 2023 16:28

Instrument :

BNA_F

ClientSampleId :

PAT-2-053123

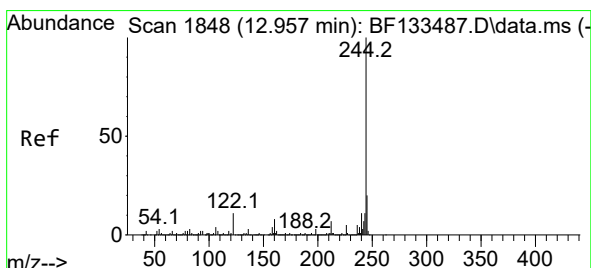
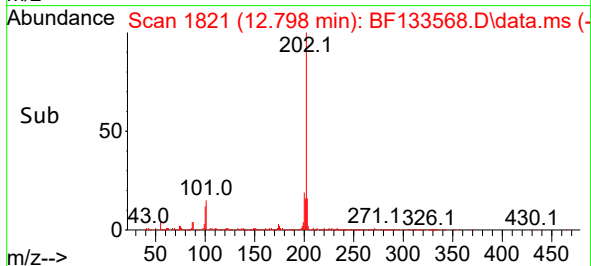
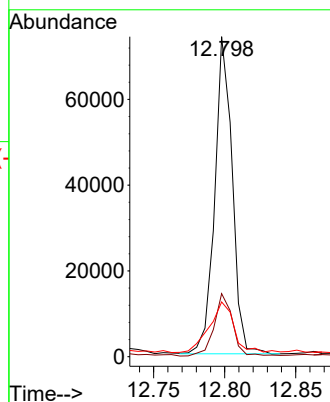
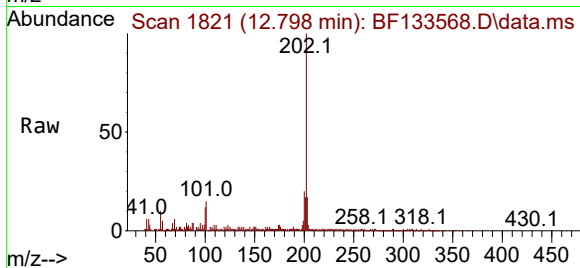
Tgt Ion:202 Resp: 63289

Ion Ratio Lower Upper

202 100

200 19.7 16.3 24.5

203 17.1 14.3 21.5



#79

Terphenyl-d14

Concen: 54.091 ng

RT: 12.951 min Scan# 1847

Delta R.T. 0.006 min

Lab File: BF133568.D

Acq: 05 Jun 2023 16:28

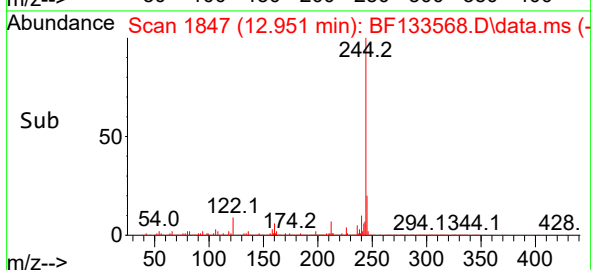
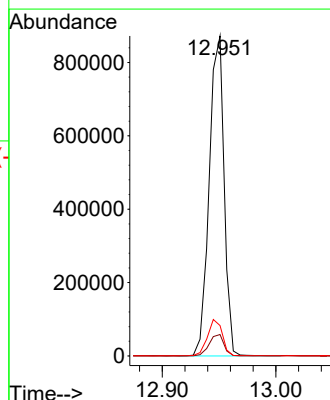
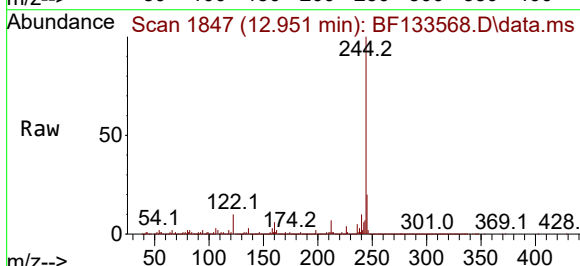
Tgt Ion:244 Resp: 793441

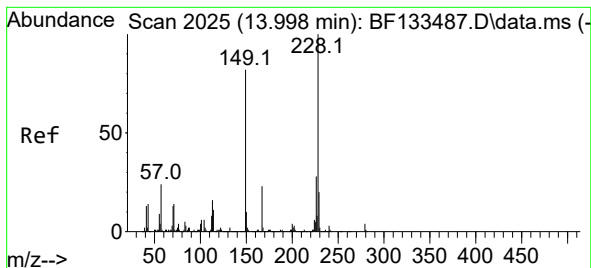
Ion Ratio Lower Upper

244 100

212 6.7 5.8 8.6

122 9.5 8.5 12.7





#84

Bis(2-ethylhexyl)phthalate

Concen: 2.692 ng

RT: 13.986 min Scan# 20

Delta R.T. 0.000 min

Lab File: BF133568.D

Acq: 05 Jun 2023 16:28

Instrument :

BNA_F

ClientSampleId :

PAT-2-053123

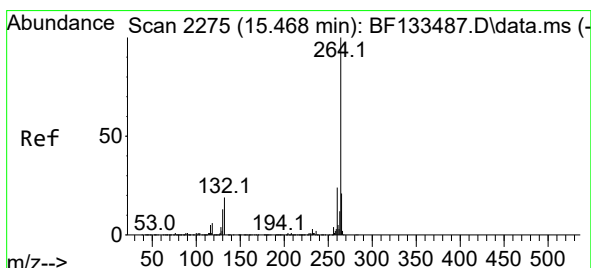
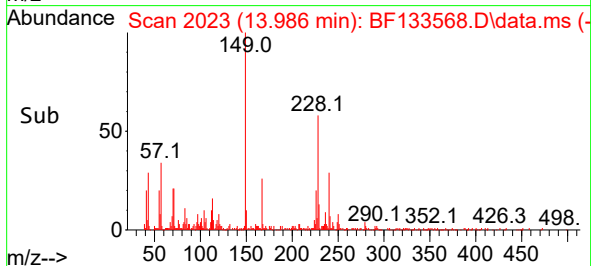
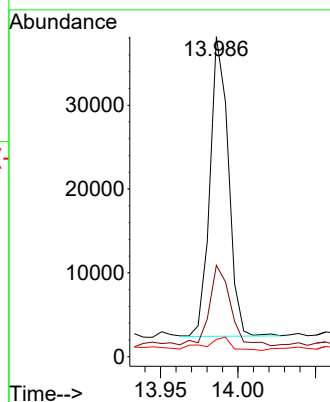
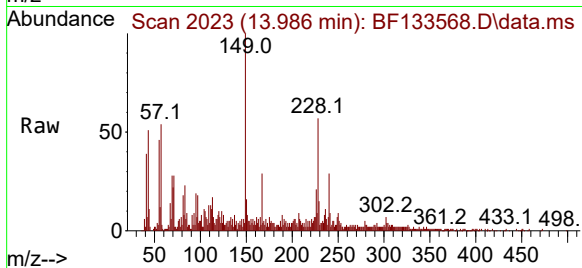
Tgt Ion:149 Resp: 29547

Ion Ratio Lower Upper

149 100

167 28.5 22.0 33.0

279 5.4 3.6 5.4#



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.462 min Scan# 2274

Delta R.T. 0.006 min

Lab File: BF133568.D

Acq: 05 Jun 2023 16:28

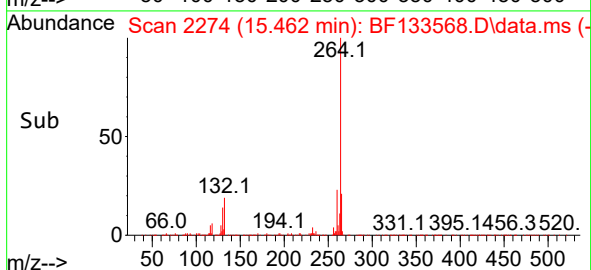
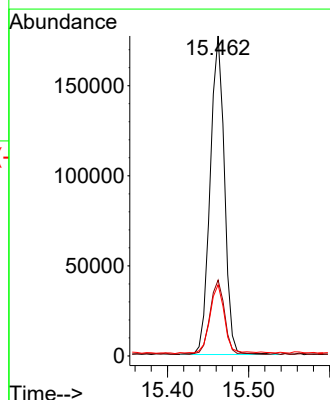
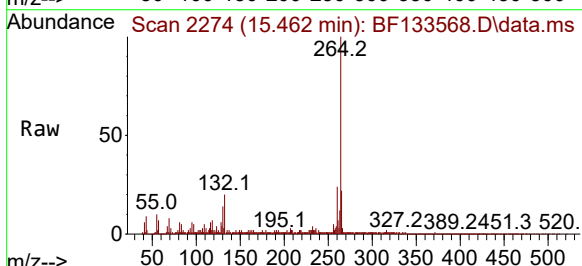
Tgt Ion:264 Resp: 216047

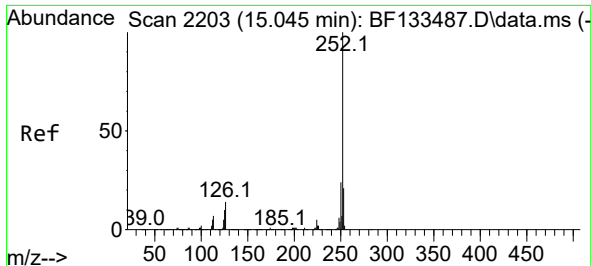
Ion Ratio Lower Upper

264 100

260 23.7 19.0 28.4

265 22.2 16.8 25.2

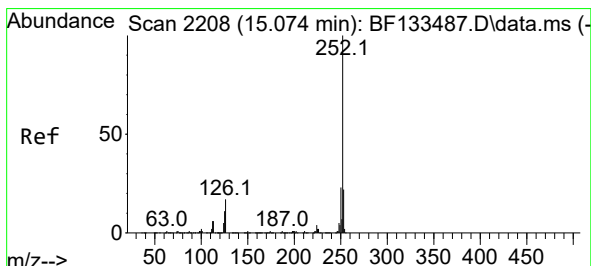
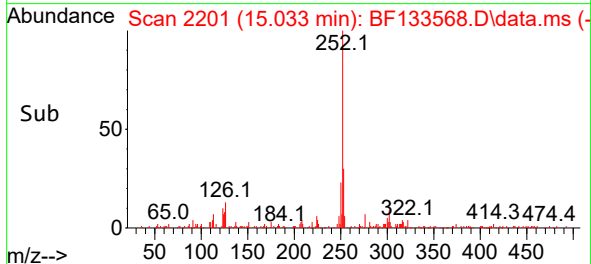
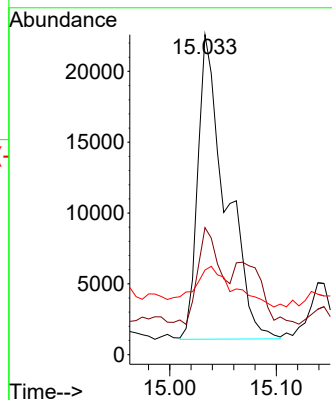
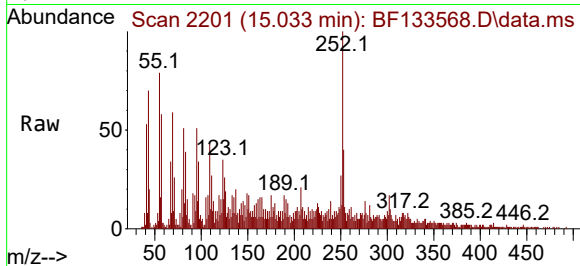




#88
Benzo(b)fluoranthene
Concen: 2.788 ng
RT: 15.033 min Scan# 2201
Delta R.T. 0.000 min
Lab File: BF133568.D
Acq: 05 Jun 2023 16:28

Instrument :
BNA_F
ClientSampleId :
PAT-2-053123

Tgt Ion:252 Resp: 39221
Ion Ratio Lower Upper
252 100
253 39.7 17.2 25.8#
125 26.5 8.1 12.1#



#89
Benzo(k)fluoranthene
Concen: 2.859 ng
RT: 15.033 min Scan# 2201
Delta R.T. -0.029 min
Lab File: BF133568.D
Acq: 05 Jun 2023 16:28

Tgt Ion:252 Resp: 39221
Ion Ratio Lower Upper
252 100
253 39.7 17.4 26.2#
125 26.5 8.3 12.5#

