

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072223\
 Data File : BF134424.D
 Acq On : 22 Jul 2023 16:09
 Operator : CG\JU
 Sample : 03607-05
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 BG-1

Quant Time: Jul 23 04:42:21 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 14 22:51:27 2023
 Response via : Initial Calibration

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

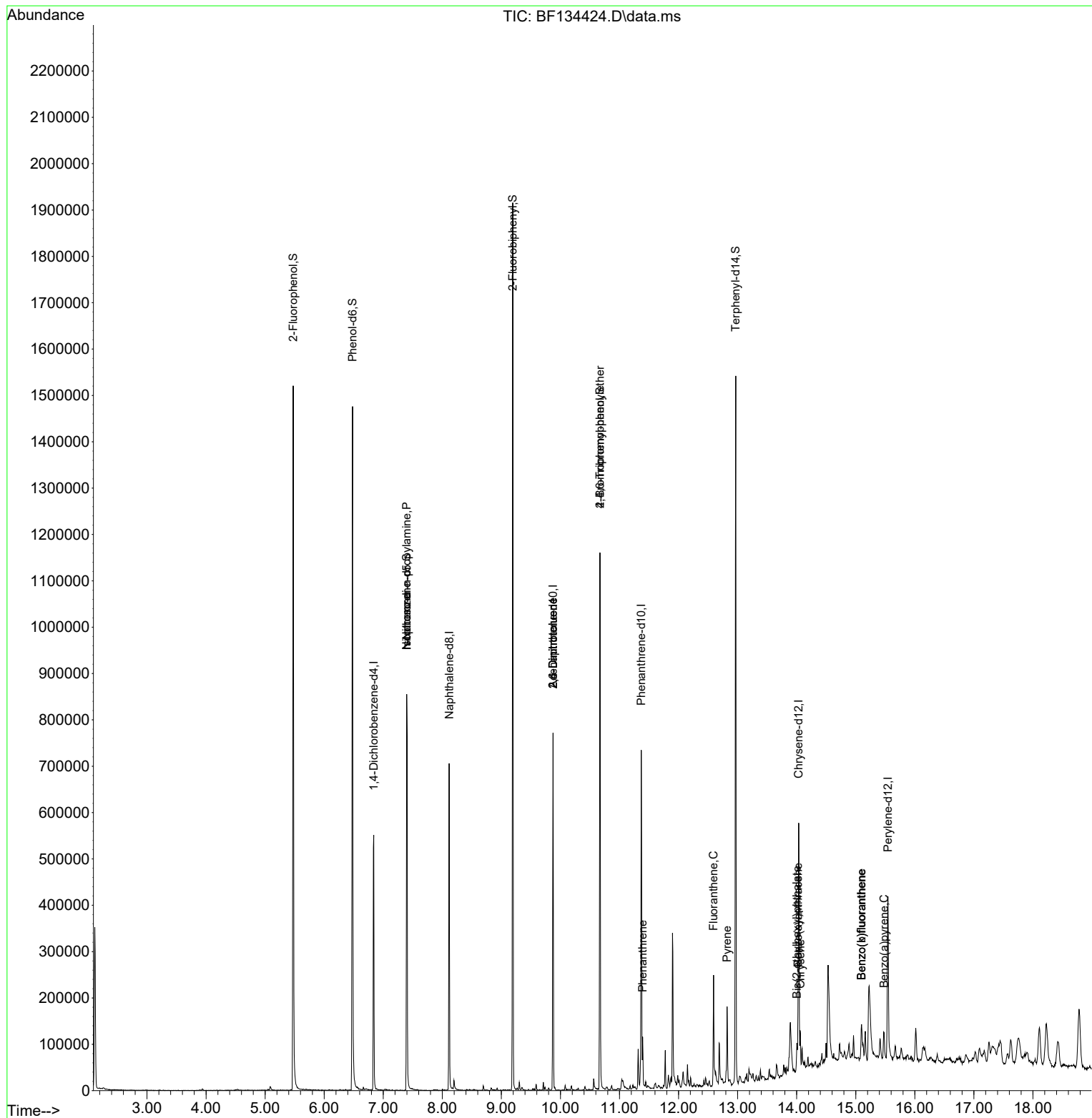
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.839	152	82665	20.000	ng	0.00
21) Naphthalene-d8	8.116	136	271950	20.000	ng	0.00
39) Acenaphthene-d10	9.875	164	137518	20.000	ng	0.00
64) Phenanthrene-d10	11.369	188	259415	20.000	ng	0.00
76) Chrysene-d12	14.033	240	165609	20.000	ng	0.00
86) Perylene-d12	15.545	264	174076	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.475	112	383778	77.659	ng	0.00
7) Phenol-d6	6.481	99	449454	73.954	ng	0.00
23) Nitrobenzene-d5	7.398	82	275336	54.577	ng	-0.01
42) 2,4,6-Tribromophenol	10.669	330	136035	78.897	ng	-0.01
45) 2-Fluorobiphenyl	9.192	172	496085	52.448	ng	-0.01
79) Terphenyl-d14	12.968	244	509197	49.485	ng	0.00
Target Compounds						
					Qvalue	
9) Benzaldehyde	6.416	77	131	Below Cal	#	48
19) n-Nitroso-di-n-propyla...	7.398	70	37185	9.648	ng	# 77
25) Isophorone	7.398	82	275334	30.029	ng	# 64
51) 2,6-Dinitrotoluene	9.875	165	17826	8.291	ng	# 24
57) 2,4-Dinitrotoluene	9.875	165	17826	6.278	ng	# 23
67) 4-Bromophenyl-phenylether	10.669	248	8192	2.971	ng	# 1
71) Phenanthrene	11.392	178	34847	2.668	ng	98
75) Fluoranthene	12.592	202	78659	5.571	ng	96
78) Pyrene	12.821	202	64765	4.202	ng	97
81) Benzo(a)anthracene	14.021	228	32507	2.830	ng	98
83) Chrysene	14.063	228	35613	3.201	ng	97
84) Bis(2-ethylhexyl)phtha...	14.004	149	14782	2.226	ng	# 94
88) Benzo(b)fluoranthene	15.098	252	58361	5.702	ng	97
89) Benzo(k)fluoranthene	15.098	252	58361	5.600	ng	96
90) Benzo(a)pyrene	15.480	252	27708	2.799	ng	95

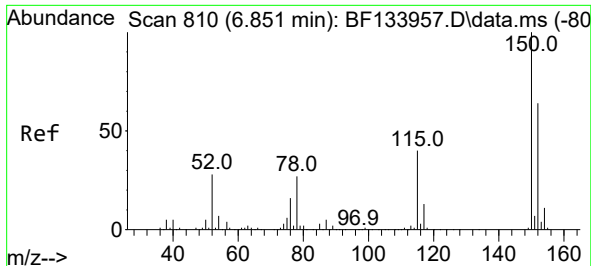
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072223\
Data File : BF134424.D
Acq On : 22 Jul 2023 16:09
Operator : CG\JU
Sample : 03607-05
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
BG-1

Quant Time: Jul 23 04:42:21 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jul 14 22:51:27 2023
Response via : Initial Calibration

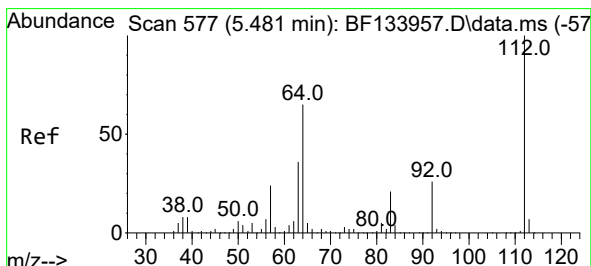
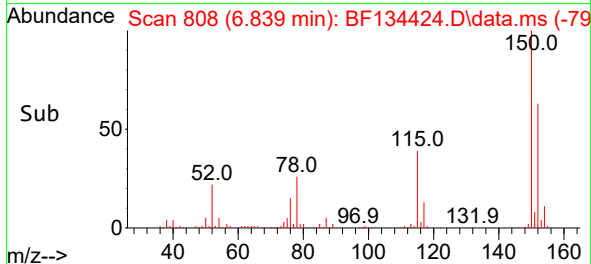
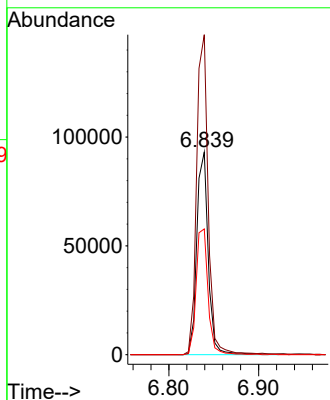
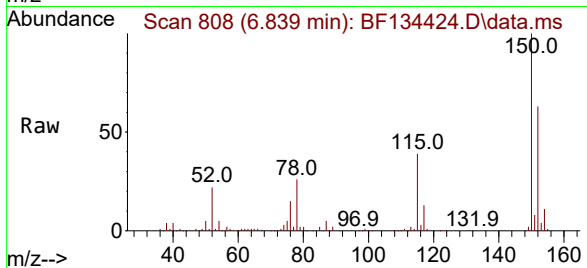




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.839 min Scan# 80
Delta R.T. -0.006 min
Lab File: BF134424.D
Acq: 22 Jul 2023 16:09

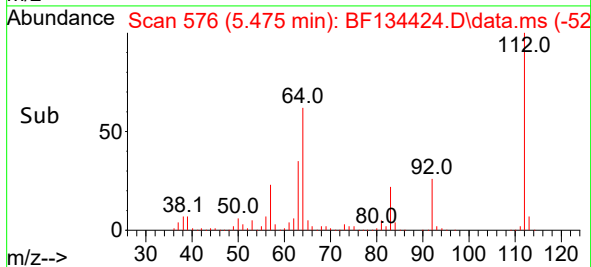
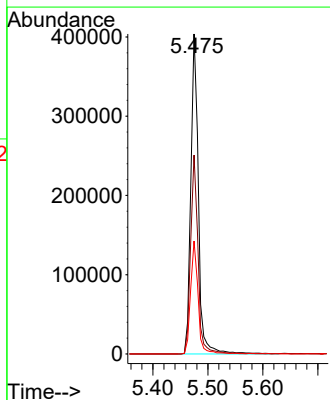
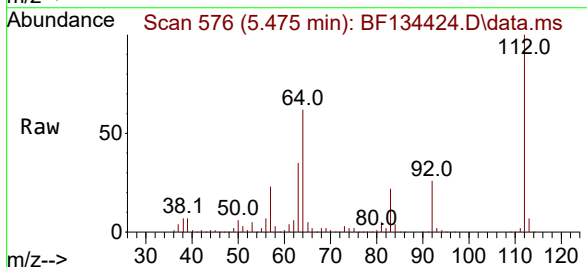
Instrument :
BNA_F
ClientSampleId :
BG-1

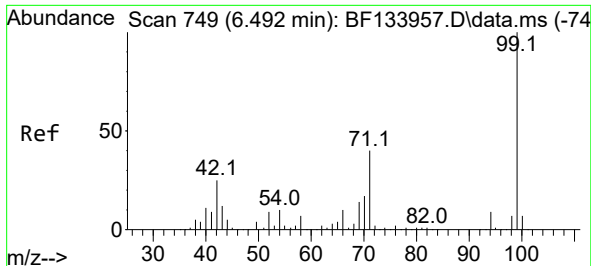
Tgt Ion:152 Resp: 82665
Ion Ratio Lower Upper
152 100
150 157.9 124.5 186.7
115 62.0 50.2 75.2



#5
2-Fluorophenol
Concen: 77.659 ng
RT: 5.475 min Scan# 576
Delta R.T. 0.006 min
Lab File: BF134424.D
Acq: 22 Jul 2023 16:09

Tgt Ion:112 Resp: 383778
Ion Ratio Lower Upper
112 100
64 62.1 52.1 78.1
63 35.3 28.6 42.8

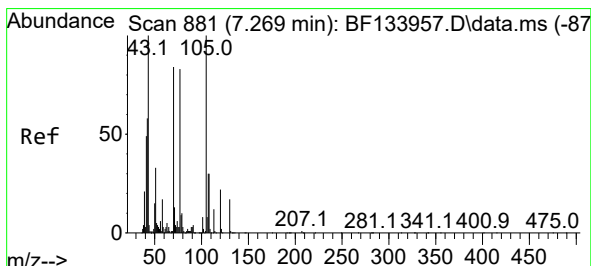
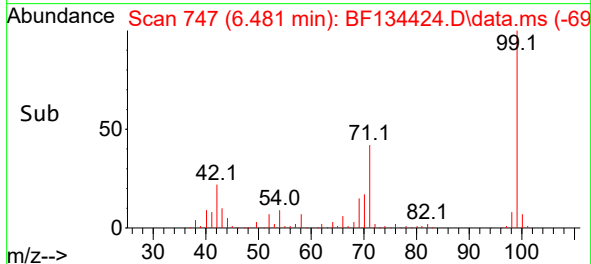
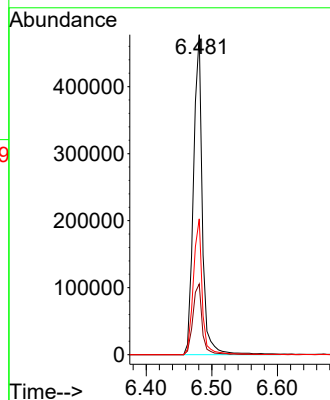
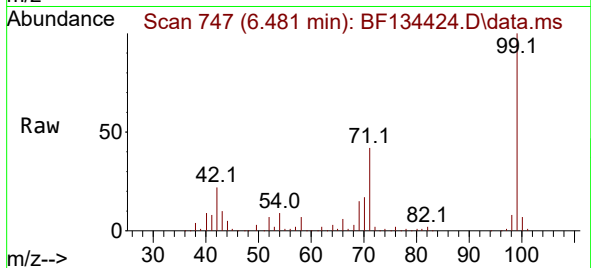




#7
Phenol-d6
Concen: 73.954 ng
RT: 6.481 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF134424.D
Acq: 22 Jul 2023 16:09

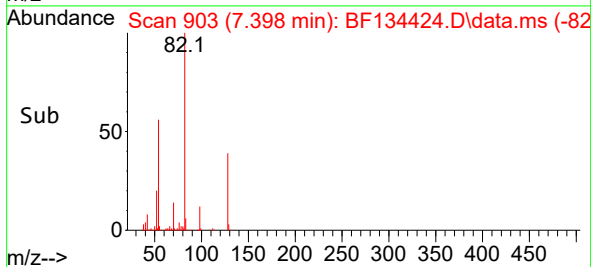
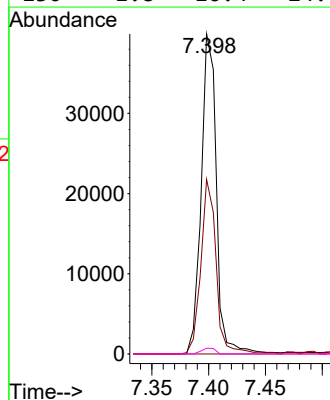
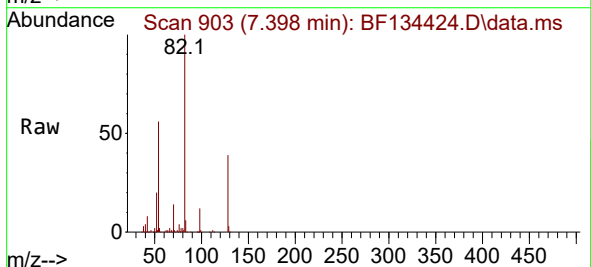
Instrument :
BNA_F
ClientSampleId :
BG-1

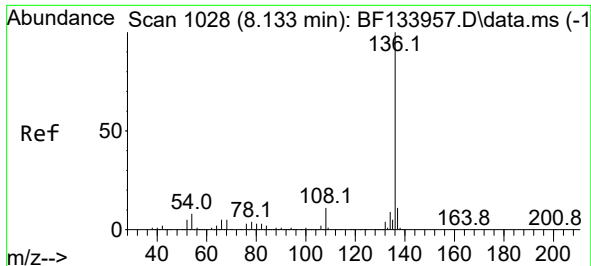
Tgt Ion: 99 Resp: 449454
Ion Ratio Lower Upper
99 100
42 22.1 19.8 29.6
71 42.4 31.9 47.9



#19
n-Nitroso-di-n-propylamine
Concen: 9.648 ng
RT: 7.398 min Scan# 903
Delta R.T. 0.141 min
Lab File: BF134424.D
Acq: 22 Jul 2023 16:09

Tgt Ion: 70 Resp: 37185
Ion Ratio Lower Upper
70 100
42 54.6 54.7 82.1#
101 0.0 7.7 11.5#
130 1.8 16.4 24.6#



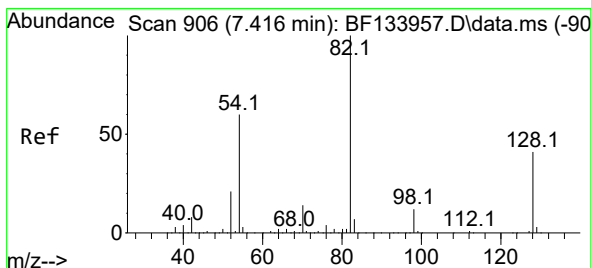
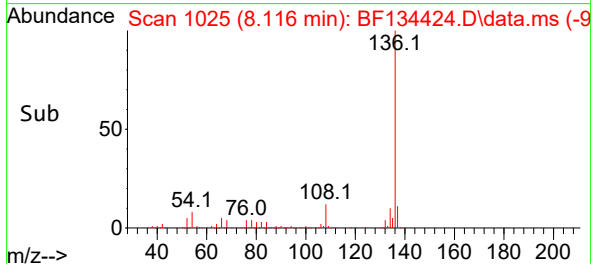
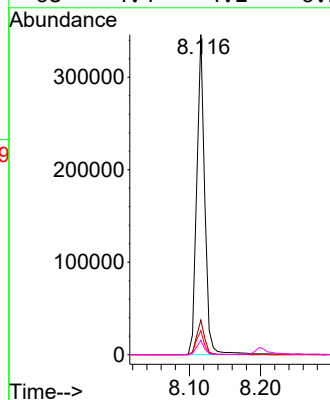
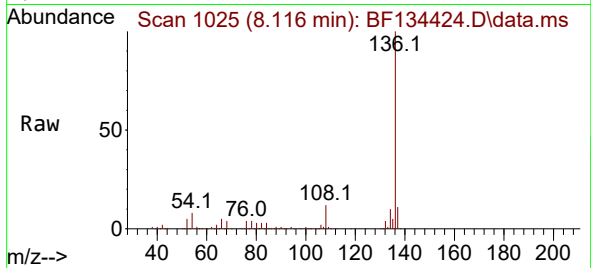


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.116 min Scan# 1025
Delta R.T. -0.006 min
Lab File: BF134424.D
Acq: 22 Jul 2023 16:09

Instrument :
BNA_F
ClientSampleId :
BG-1

Tgt Ion:136 Resp: 271950

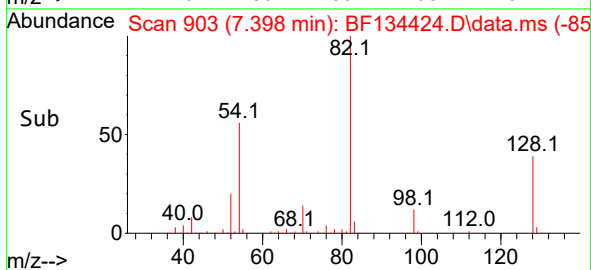
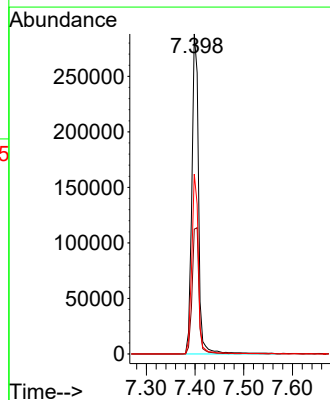
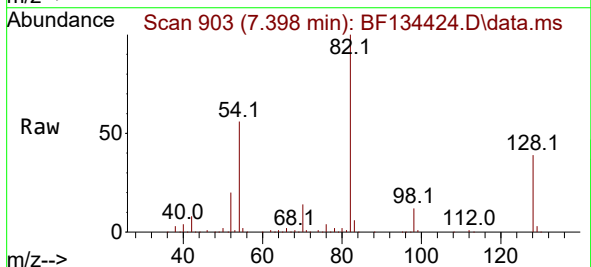
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.6	12.8
54	7.5	6.5	9.7
68	4.4	4.2	6.2



#23
Nitrobenzene-d5
Concen: 54.577 ng
RT: 7.398 min Scan# 903
Delta R.T. -0.012 min
Lab File: BF134424.D
Acq: 22 Jul 2023 16:09

Tgt Ion: 82 Resp: 275336

Ion	Ratio	Lower	Upper
82	100		
128	39.0	32.5	48.7
54	56.2	48.2	72.2

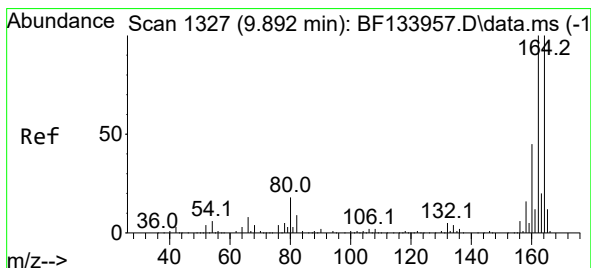
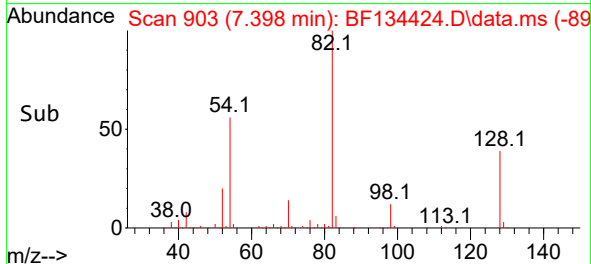
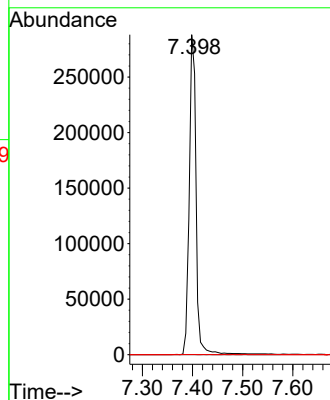
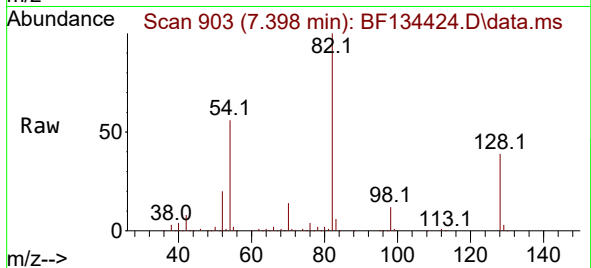




#25
Isophorone
Concen: 30.029 ng
RT: 7.398 min Scan# 90
Delta R.T. -0.265 min
Lab File: BF134424.D
Acq: 22 Jul 2023 16:09

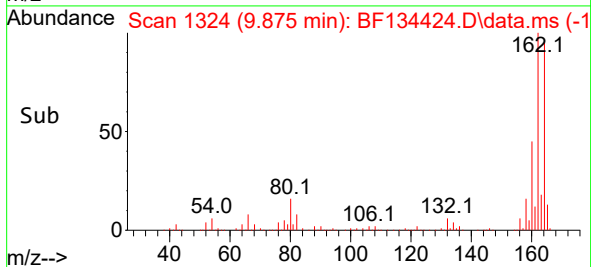
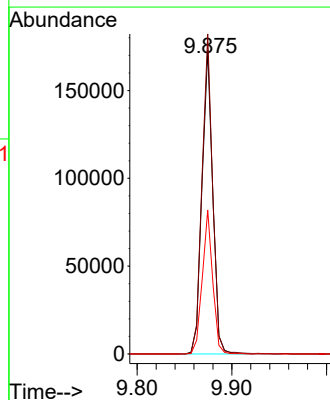
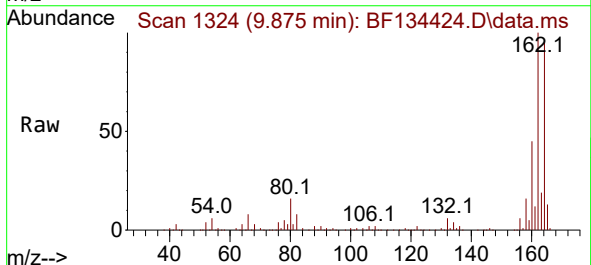
Instrument :
BNA_F
ClientSampleId :
BG-1

Tgt Ion: 82 Resp: 275334
Ion Ratio Lower Upper
82 100
95 0.1 6.1 9.1#
138 0.0 15.2 22.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.875 min Scan# 1324
Delta R.T. -0.006 min
Lab File: BF134424.D
Acq: 22 Jul 2023 16:09

Tgt Ion: 164 Resp: 137518
Ion Ratio Lower Upper
164 100
162 105.2 80.0 120.0
160 47.4 35.9 53.9

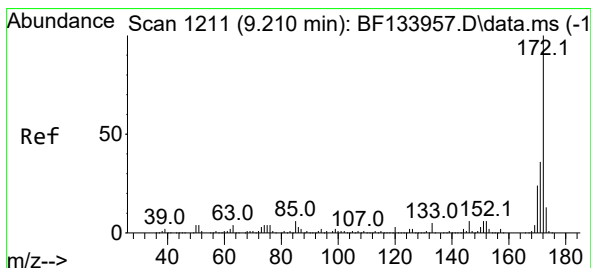
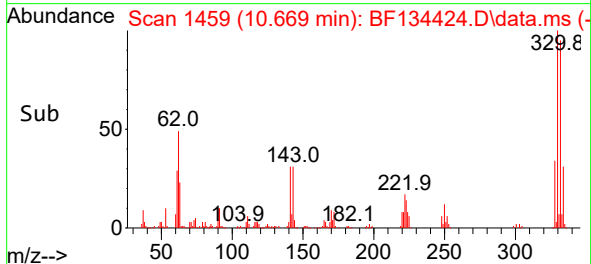
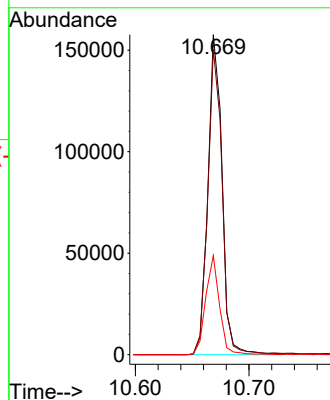
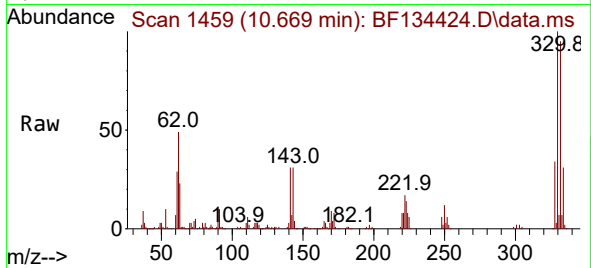




#42
2,4,6-Tribromophenol
Concen: 78.897 ng
RT: 10.669 min Scan# 1462
Delta R.T. -0.012 min
Lab File: BF134424.D
Acq: 22 Jul 2023 16:09

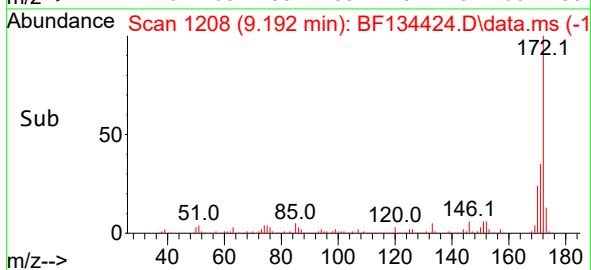
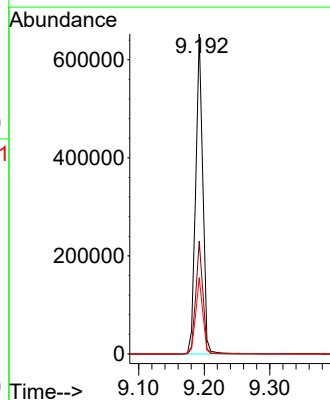
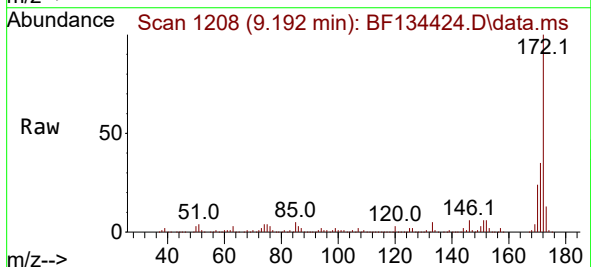
Instrument :
BNA_F
ClientSampleId :
BG-1

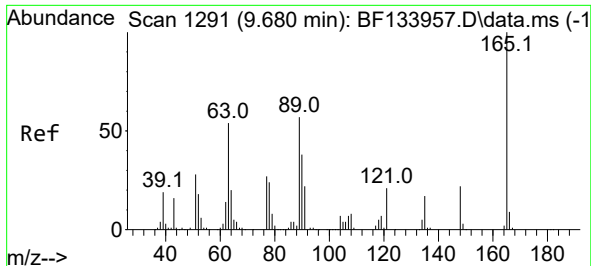
Tgt Ion:330 Resp: 136035
Ion Ratio Lower Upper
330 100
332 97.4 77.0 115.6
141 30.4 26.3 39.5



#45
2-Fluorobiphenyl
Concen: 52.448 ng
RT: 9.192 min Scan# 1208
Delta R.T. -0.012 min
Lab File: BF134424.D
Acq: 22 Jul 2023 16:09

Tgt Ion:172 Resp: 496085
Ion Ratio Lower Upper
172 100
171 35.2 28.6 43.0
170 23.8 19.4 29.0

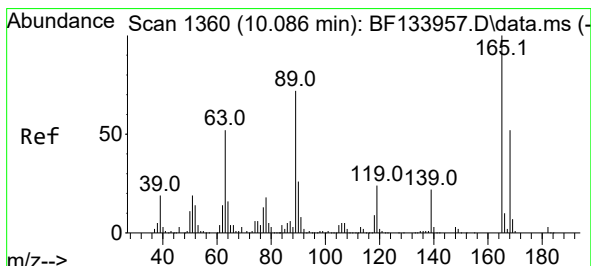
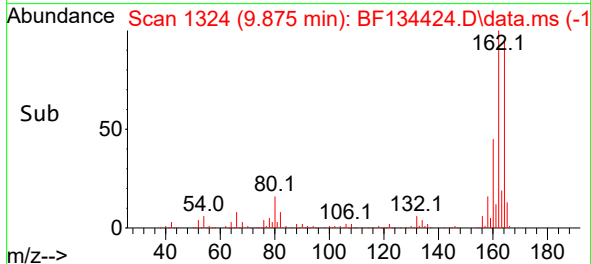
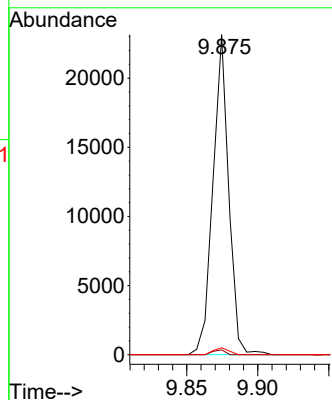
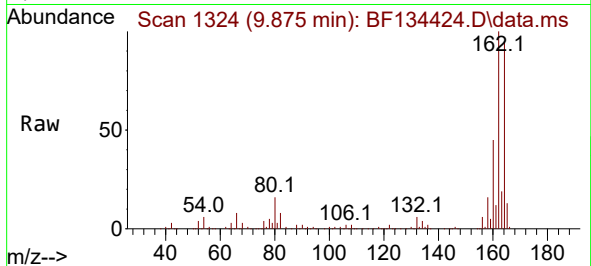




#51
2,6-Dinitrotoluene
Concen: 8.291 ng
RT: 9.875 min Scan# 11
Delta R.T. 0.200 min
Lab File: BF134424.D
Acq: 22 Jul 2023 16:09

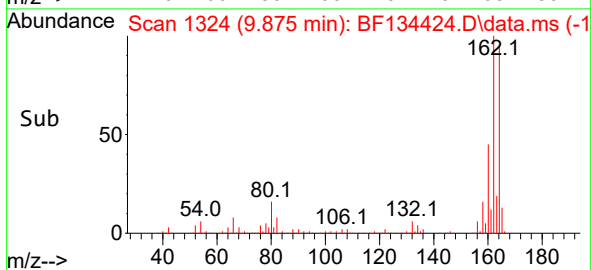
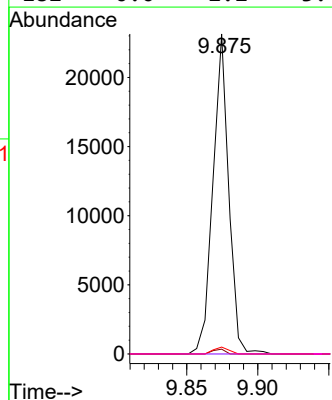
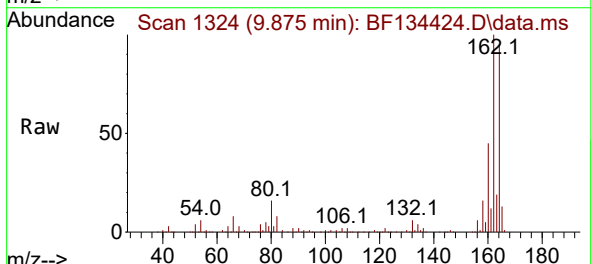
Instrument :
BNA_F
ClientSampleId :
BG-1

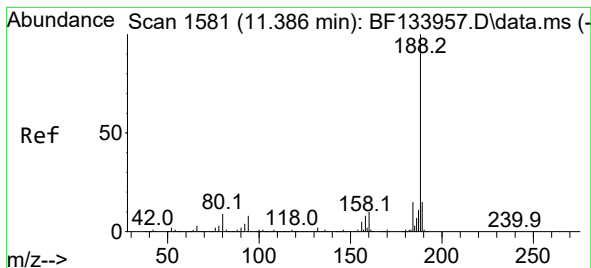
Tgt Ion:165 Resp: 17826
Ion Ratio Lower Upper
165 100
63 1.5 48.5 72.7#
89 2.2 45.5 68.3#



#57
2,4-Dinitrotoluene
Concen: 6.278 ng
RT: 9.875 min Scan# 1324
Delta R.T. -0.206 min
Lab File: BF134424.D
Acq: 22 Jul 2023 16:09

Tgt Ion:165 Resp: 17826
Ion Ratio Lower Upper
165 100
63 1.5 42.2 63.2#
89 2.2 57.4 86.2#
182 0.0 2.2 3.4#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.369 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF134424.D

Acq: 22 Jul 2023 16:09

Instrument :

BNA_F

ClientSampleId :

BG-1

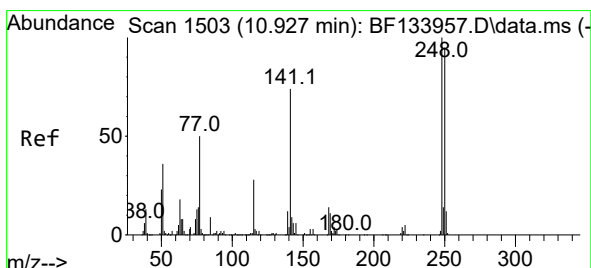
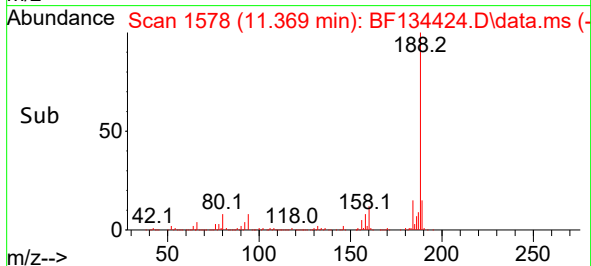
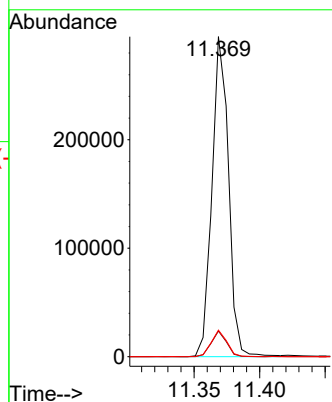
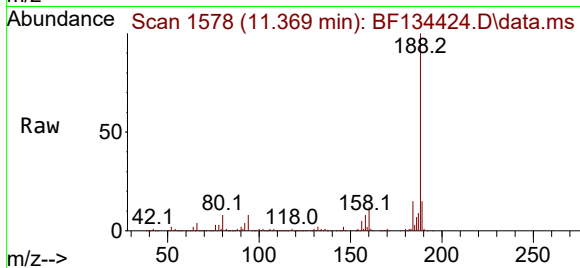
Tgt Ion:188 Resp: 259415

Ion Ratio Lower Upper

188 100

94 8.0 6.4 9.6

80 8.3 7.3 10.9



#67

4-Bromophenyl-phenylether

Concen: 2.971 ng

RT: 10.669 min Scan# 1459

Delta R.T. -0.247 min

Lab File: BF134424.D

Acq: 22 Jul 2023 16:09

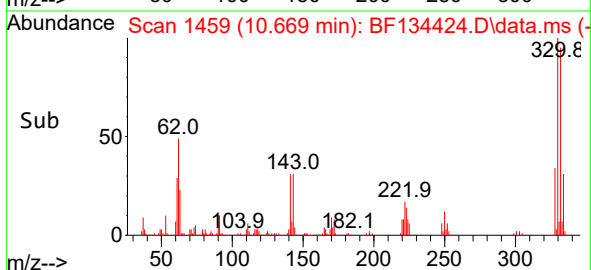
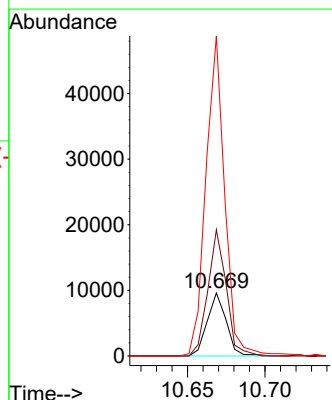
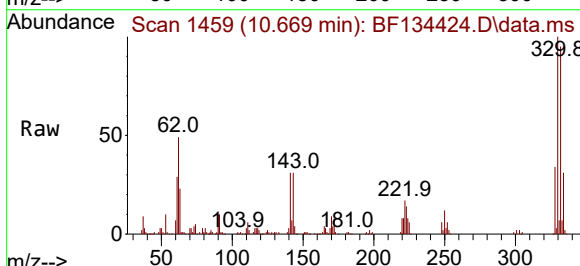
Tgt Ion:248 Resp: 8192

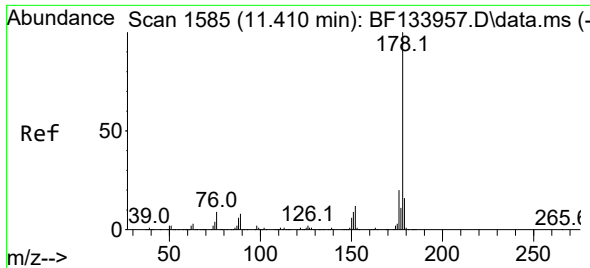
Ion Ratio Lower Upper

248 100

250 200.1 76.2 114.4#

141 507.4 59.0 88.4#

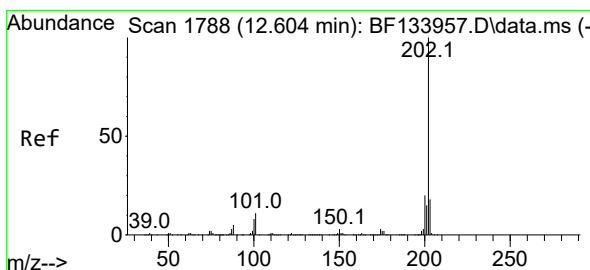
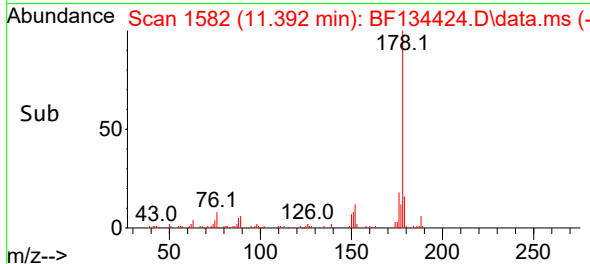
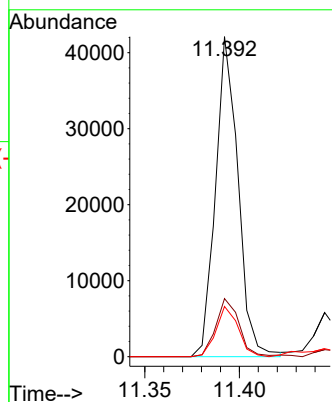
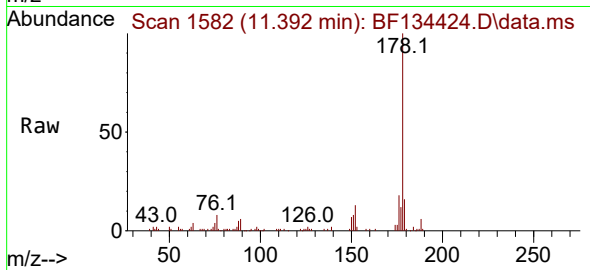




#71
Phenanthrene
Concen: 2.668 ng
RT: 11.392 min Scan# 1186
Delta R.T. -0.012 min
Lab File: BF134424.D
Acq: 22 Jul 2023 16:09

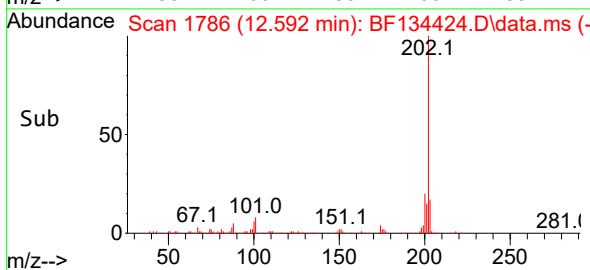
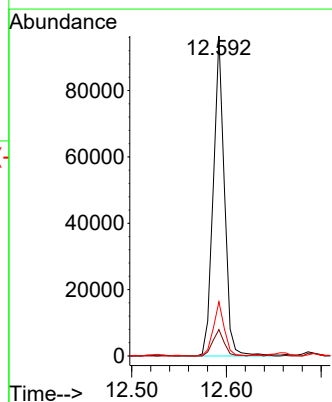
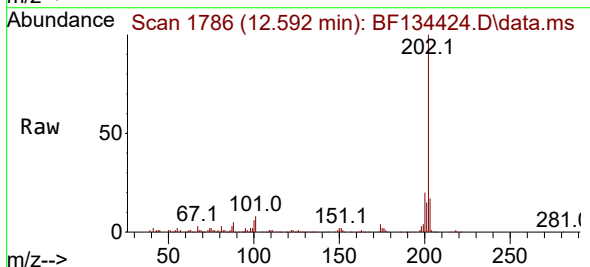
Instrument :
BNA_F
ClientSampleId :
BG-1

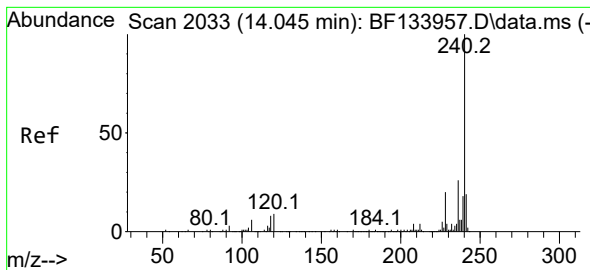
Tgt Ion:178 Resp: 34847
Ion Ratio Lower Upper
178 100
176 18.2 16.0 24.0
179 15.7 12.4 18.6



#75
Fluoranthene
Concen: 5.571 ng
RT: 12.592 min Scan# 1786
Delta R.T. -0.006 min
Lab File: BF134424.D
Acq: 22 Jul 2023 16:09

Tgt Ion:202 Resp: 78659
Ion Ratio Lower Upper
202 100
101 8.3 0.0 31.0
203 16.9 0.0 37.6





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.033 min Scan# 2033

Delta R.T. -0.006 min

Lab File: BF134424.D

Acq: 22 Jul 2023 16:09

Instrument :

BNA_F

ClientSampleId :

BG-1

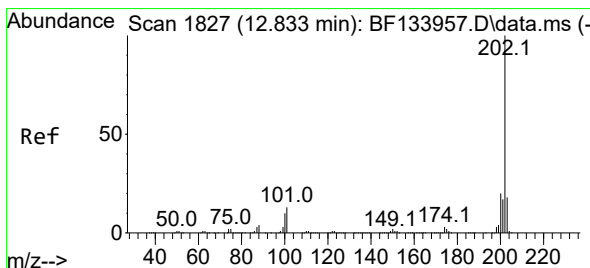
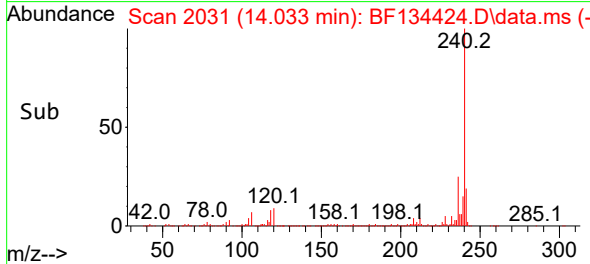
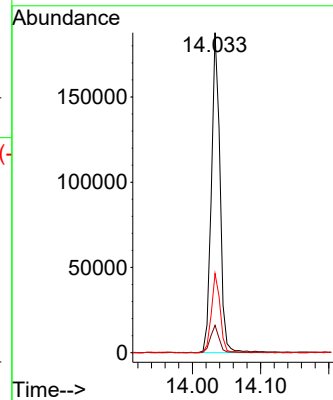
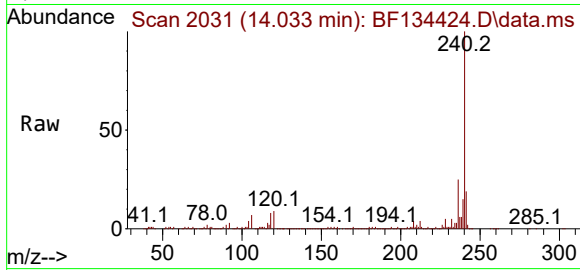
Tgt Ion:240 Resp: 165609

Ion Ratio Lower Upper

240 100

120 8.5 7.4 11.0

236 24.8 21.0 31.6



#78

Pyrene

Concen: 4.202 ng

RT: 12.821 min Scan# 1825

Delta R.T. -0.012 min

Lab File: BF134424.D

Acq: 22 Jul 2023 16:09

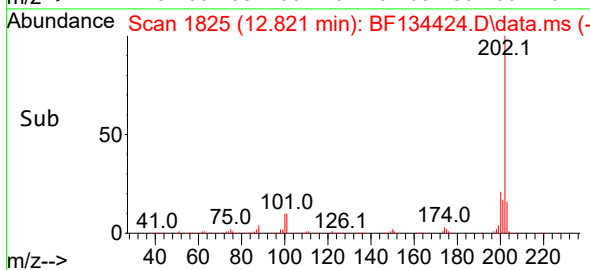
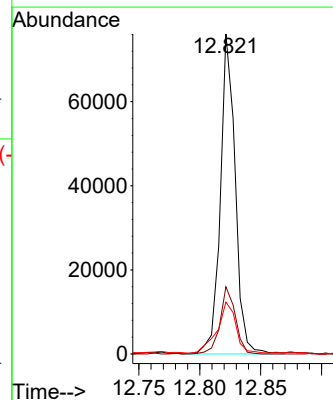
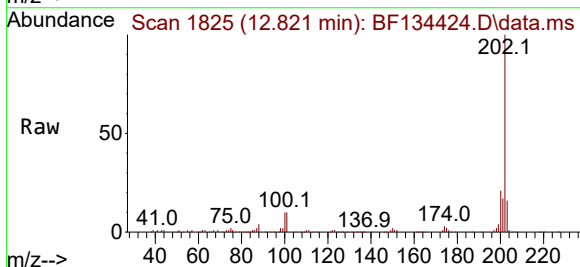
Tgt Ion:202 Resp: 64765

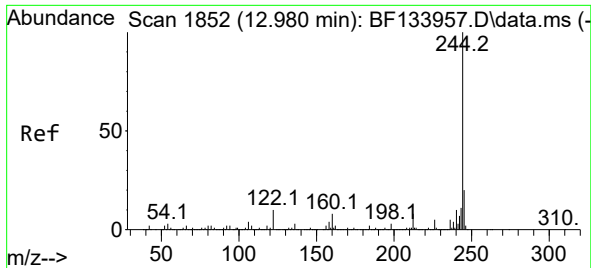
Ion Ratio Lower Upper

202 100

200 21.0 16.1 24.1

203 16.2 14.3 21.5

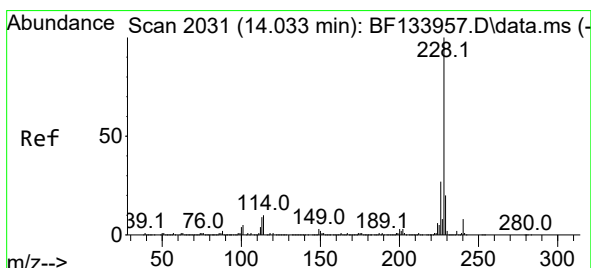
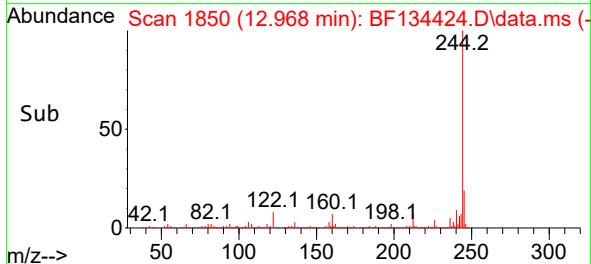
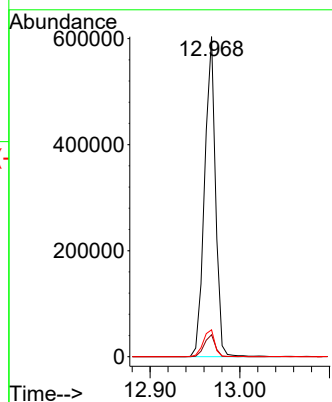
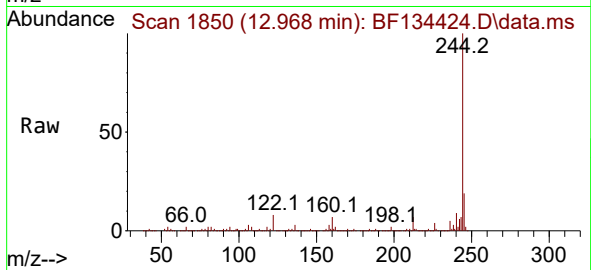




#79
 Terphenyl-d14
 Concen: 49.485 ng
 RT: 12.968 min Scan# 1850
 Delta R.T. -0.006 min
 Lab File: BF134424.D
 Acq: 22 Jul 2023 16:09

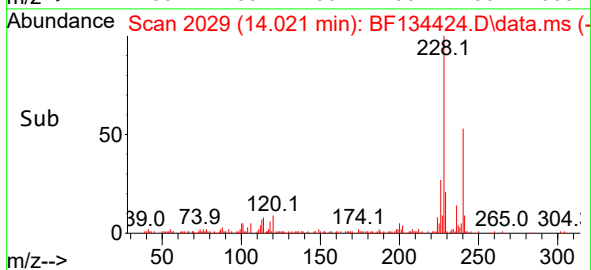
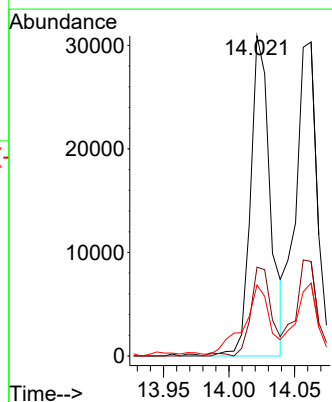
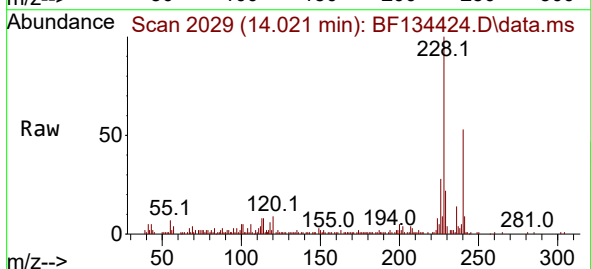
Instrument :
 BNA_F
 ClientSampleId :
 BG-1

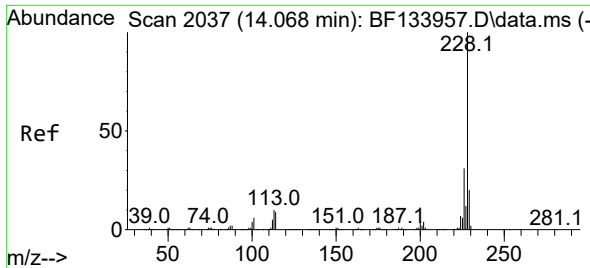
Tgt Ion:244 Resp: 509197
 Ion Ratio Lower Upper
 244 100
 212 6.8 6.0 9.0
 122 8.4 8.3 12.5



#81
 Benzo(a)anthracene
 Concen: 2.830 ng
 RT: 14.021 min Scan# 2029
 Delta R.T. -0.006 min
 Lab File: BF134424.D
 Acq: 22 Jul 2023 16:09

Tgt Ion:228 Resp: 32507
 Ion Ratio Lower Upper
 228 100
 226 27.7 22.0 33.0
 229 22.1 16.3 24.5





#83

Chrysene

Concen: 3.201 ng

RT: 14.063 min Scan# 2037

Delta R.T. -0.006 min

Lab File: BF134424.D

Acq: 22 Jul 2023 16:09

Instrument :

BNA_F

ClientSampleId :

BG-1

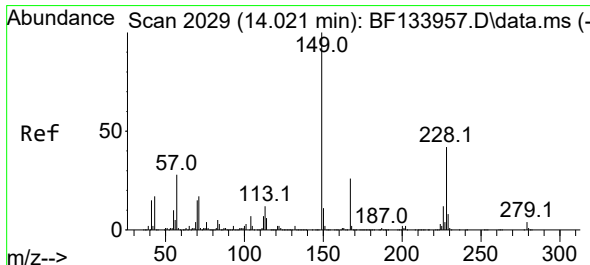
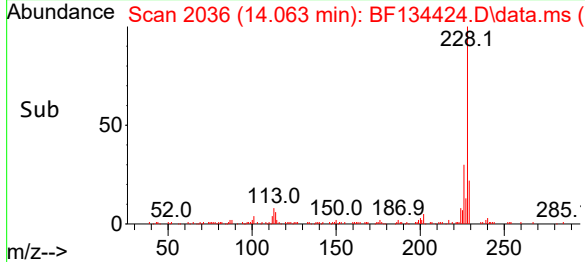
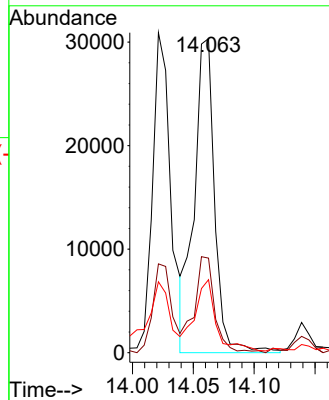
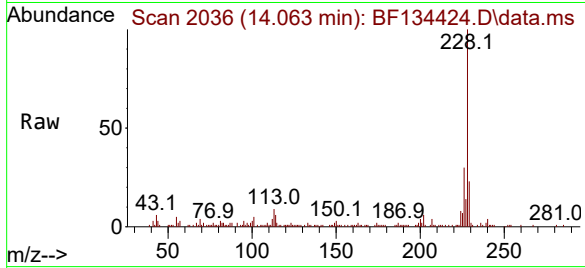
Tgt Ion:228 Resp: 35613

Ion Ratio Lower Upper

228 100

226 30.1 24.4 36.6

229 23.2 16.1 24.1



#84

Bis(2-ethylhexyl)phthalate

Concen: 2.226 ng

RT: 14.004 min Scan# 2026

Delta R.T. -0.012 min

Lab File: BF134424.D

Acq: 22 Jul 2023 16:09

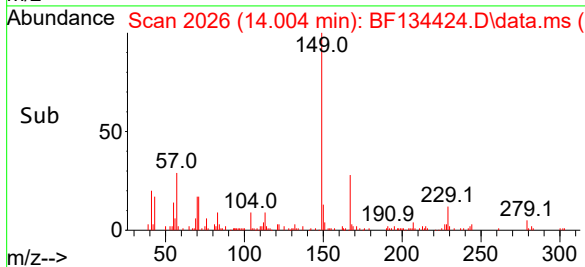
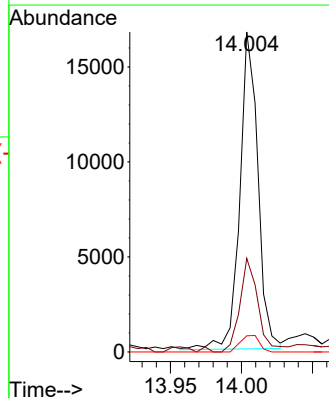
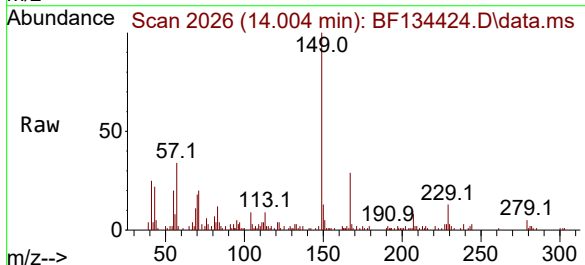
Tgt Ion:149 Resp: 14782

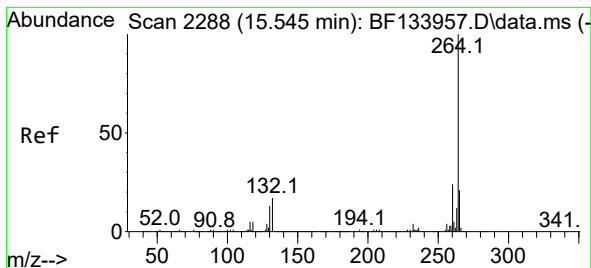
Ion Ratio Lower Upper

149 100

167 29.3 21.0 31.4

279 5.0 3.3 4.9#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.545 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF134424.D

Acq: 22 Jul 2023 16:09

Instrument :

BNA_F

ClientSampleId :

BG-1

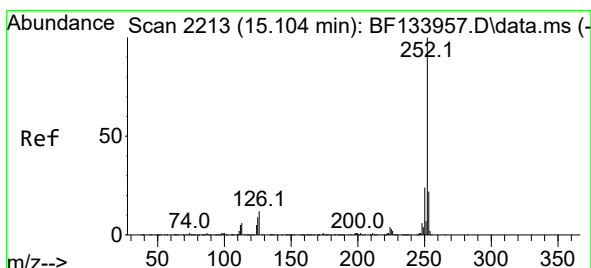
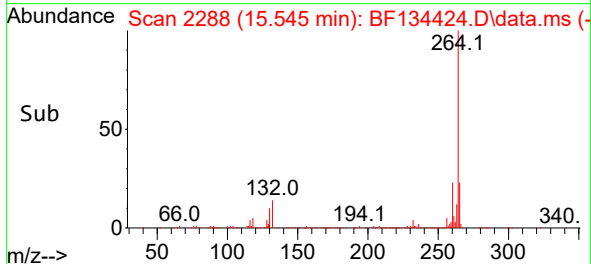
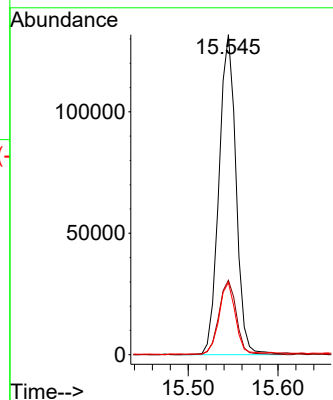
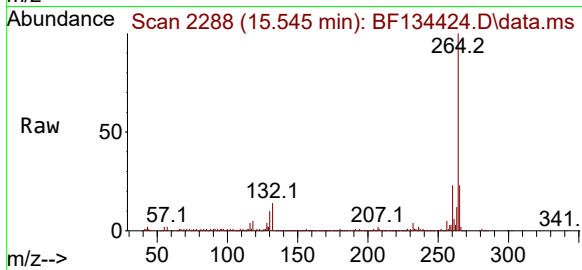
Tgt Ion:264 Resp: 174076

Ion Ratio Lower Upper

264 100

260 23.3 19.5 29.3

265 22.6 16.6 25.0



#88

Benzo(b)fluoranthene

Concen: 5.702 ng

RT: 15.098 min Scan# 2212

Delta R.T. -0.006 min

Lab File: BF134424.D

Acq: 22 Jul 2023 16:09

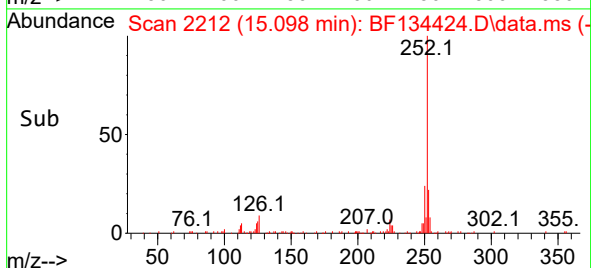
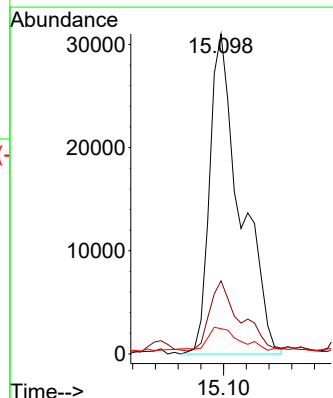
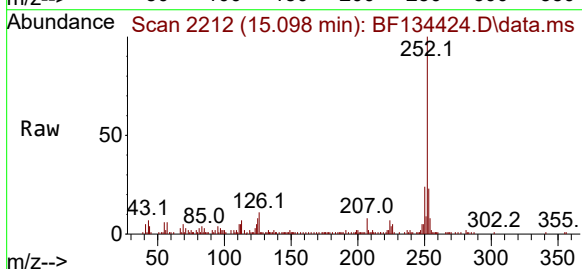
Tgt Ion:252 Resp: 58361

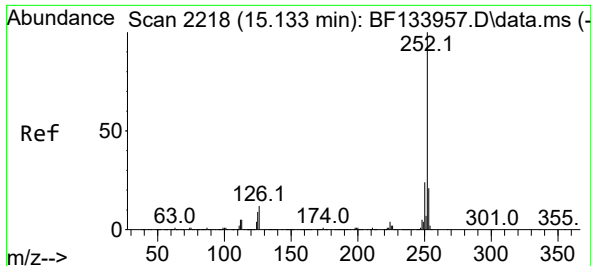
Ion Ratio Lower Upper

252 100

253 22.9 17.4 26.0

125 7.9 7.1 10.7





#89

Benzo(k)fluoranthene

Concen: 5.600 ng

RT: 15.098 min Scan# 21

Delta R.T. -0.035 min

Lab File: BF134424.D

Acq: 22 Jul 2023 16:09

Instrument :

BNA_F

ClientSampleId :

BG-1

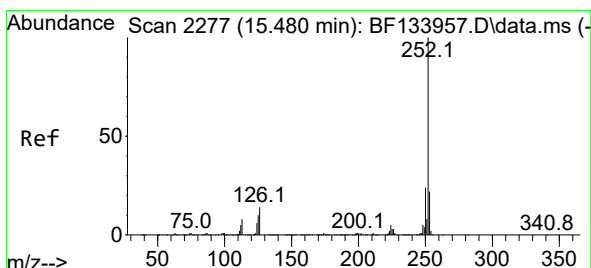
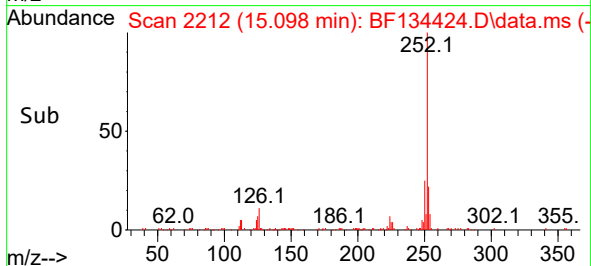
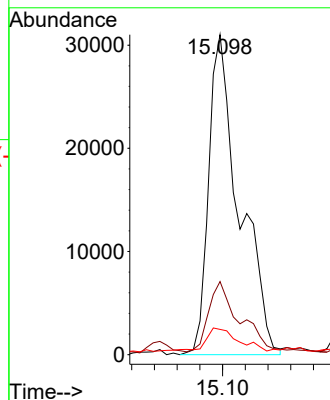
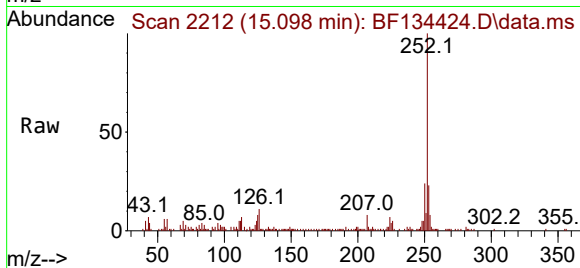
Tgt Ion:252 Resp: 58361

Ion Ratio Lower Upper

252 100

253 22.9 16.9 25.3

125 7.9 7.4 11.2



#90

Benzo(a)pyrene

Concen: 2.799 ng

RT: 15.480 min Scan# 2277

Delta R.T. 0.000 min

Lab File: BF134424.D

Acq: 22 Jul 2023 16:09

Tgt Ion:252 Resp: 27708

Ion Ratio Lower Upper

252 100

253 24.6 17.4 26.0

125 11.9 8.4 12.6

