

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062723\
 Data File : BF134017.D
 Acq On : 28 Jun 2023 06:55
 Operator : CG\JU
 Sample : 03355-10
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-05-COMP

Quant Time: Jun 28 07:25:32 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 26 23:12:04 2023
 Response via : Initial Calibration

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

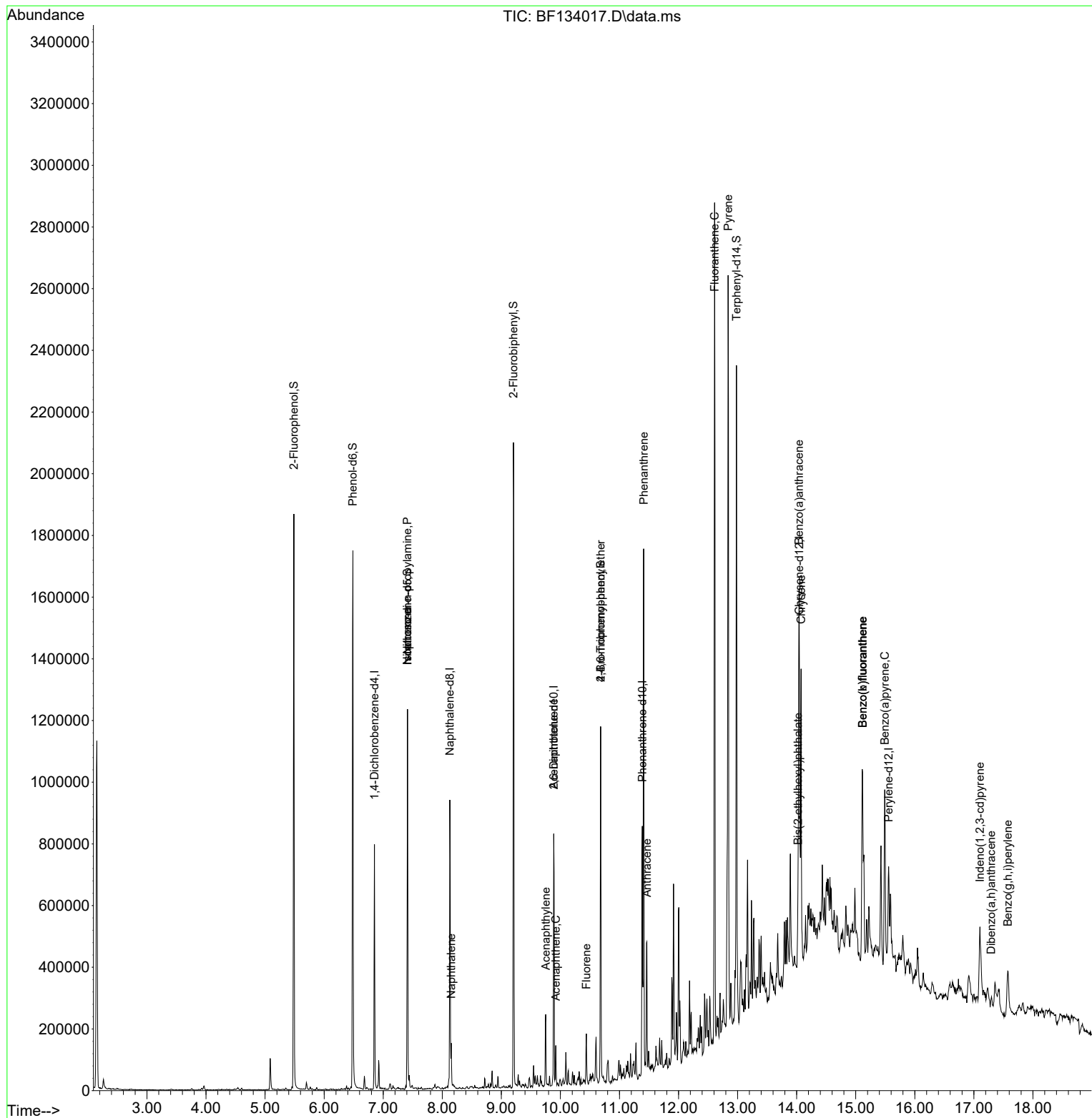
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.851	152	101441	20.000	ng	0.00
21) Naphthalene-d8	8.128	136	385508	20.000	ng	0.00
39) Acenaphthene-d10	9.886	164	156177	20.000	ng	0.00
64) Phenanthrene-d10	11.386	188	307655	20.000	ng	0.00
76) Chrysene-d12	14.045	240	159546	20.000	ng	# 0.00
86) Perylene-d12	15.557	264	149808	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	448285	73.922	ng	0.00
7) Phenol-d6	6.487	99	520105	69.739	ng	0.00
23) Nitrobenzene-d5	7.410	82	333719	46.664	ng	0.00
42) 2,4,6-Tribromophenol	10.681	330	119931	61.247	ng	0.00
45) 2-Fluorobiphenyl	9.204	172	634064	59.027	ng	0.00
79) Terphenyl-d14	12.980	244	700495	70.662	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.410	77	795	Below Cal	#	13
19) n-Nitroso-di-n-propyla...	7.410	70	46922	9.921 ng	#	79
25) Isophorone	7.410	82	333715	25.675 ng	#	64
31) Naphthalene	8.151	128	48671	2.614 ng		97
49) Acenaphthylene	9.751	152	98447	6.287 ng		97
51) 2,6-Dinitrotoluene	9.886	165	20252	8.294 ng	#	24
52) Acenaphthene	9.922	154	22513	2.478 ng		97
58) Fluorene	10.439	166	47912	4.337 ng		99
67) 4-Bromophenyl-phenylether	10.681	248	7323	2.239 ng	#	1
71) Phenanthrene	11.410	178	572484	36.963 ng		99
72) Anthracene	11.463	178	171415	10.641 ng		98
75) Fluoranthene	12.610	202	1116691	66.693 ng		99
78) Pyrene	12.839	202	1101278	74.171 ng		99
81) Benzo(a)anthracene	14.039	228	423152	38.243 ng		95
83) Chrysene	14.074	228	372424	34.751 ng		98
84) Bis(2-ethylhexyl)phtha...	14.021	149	44528	6.959 ng		100
87) Indeno(1,2,3-cd)pyrene	17.104	276	184130	17.713 ng		93
88) Benzo(b)fluoranthene	15.116	252	516459	58.630 ng		98
89) Benzo(k)fluoranthene	15.116	252	516459	57.584 ng		98
90) Benzo(a)pyrene	15.492	252	286887	33.680 ng		98
91) Dibenzo(a,h)anthracene	17.292	278	36006	4.241 ng		92
92) Benzo(g,h,i)perylene	17.574	276	147372	16.831 ng		98

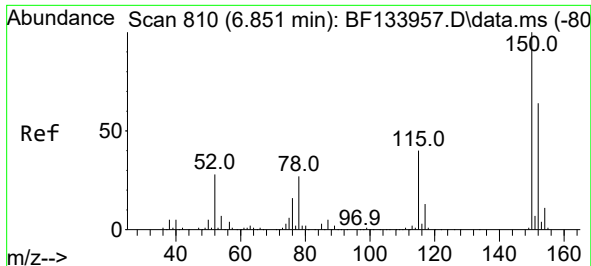
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc :
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ClientSampleId :
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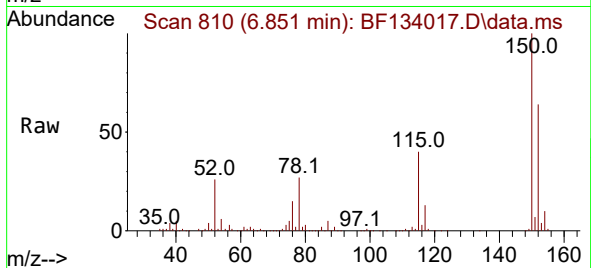
Quant Time: Jun 28 07:25:32 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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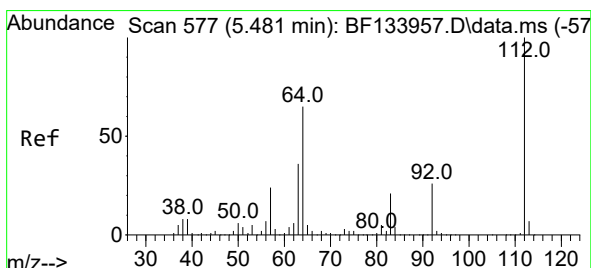
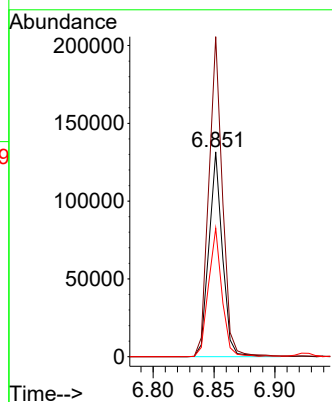
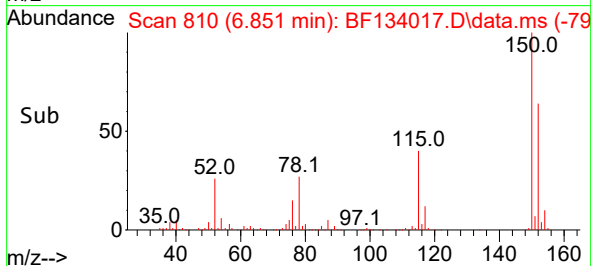


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.851 min Scan# 810
Delta R.T. 0.000 min
Lab File: BF134017.D
Acq: 28 Jun 2023 06:55

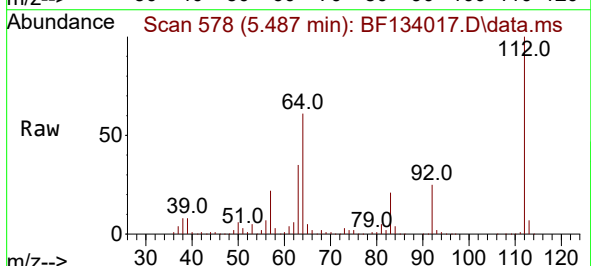
Instrument :
BNA_F
ClientSampleId :
SB-05-COMP



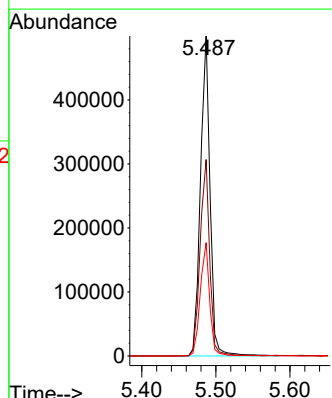
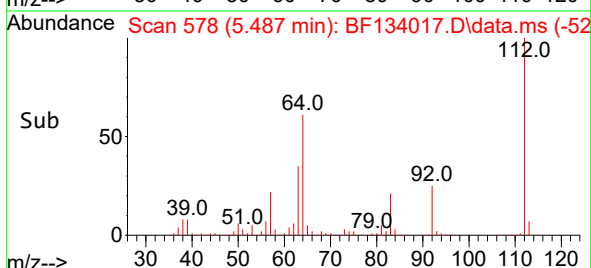
Tgt Ion:152 Resp: 101441
Ion Ratio Lower Upper
152 100
150 156.2 124.5 186.7
115 62.8 50.2 75.2

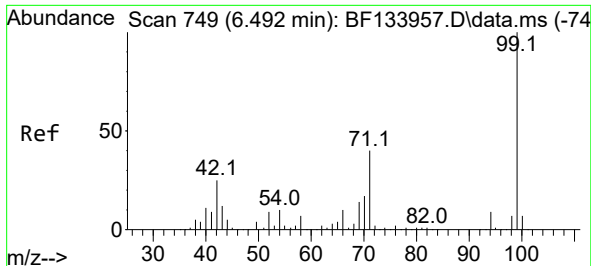


#5
2-Fluorophenol
Concen: 73.922 ng
RT: 5.487 min Scan# 578
Delta R.T. 0.006 min
Lab File: BF134017.D
Acq: 28 Jun 2023 06:55



Tgt Ion:112 Resp: 448285
Ion Ratio Lower Upper
112 100
64 61.4 52.1 78.1
63 35.5 28.6 42.8

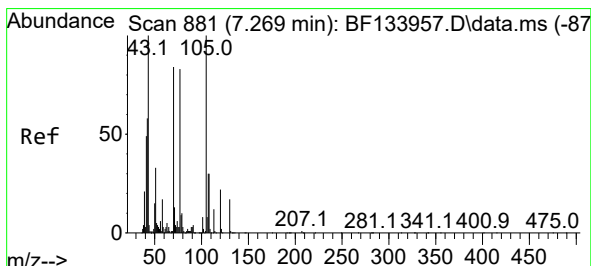
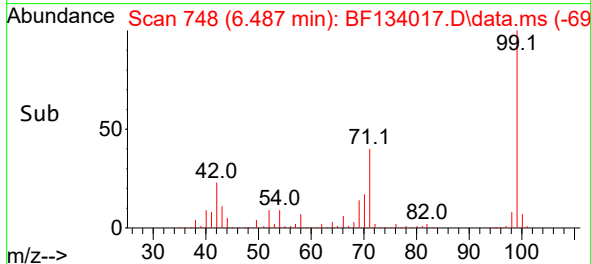
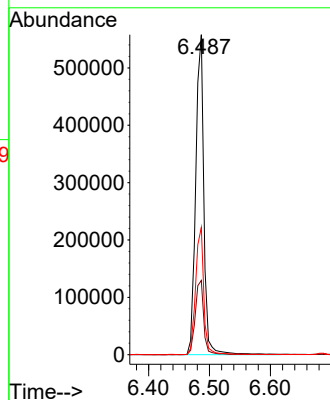
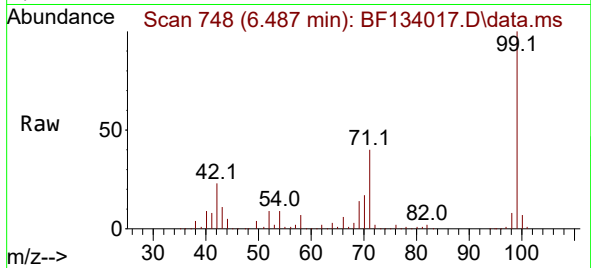




#7
Phenol-d6
Concen: 69.739 ng
RT: 6.487 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF134017.D
Acq: 28 Jun 2023 06:55

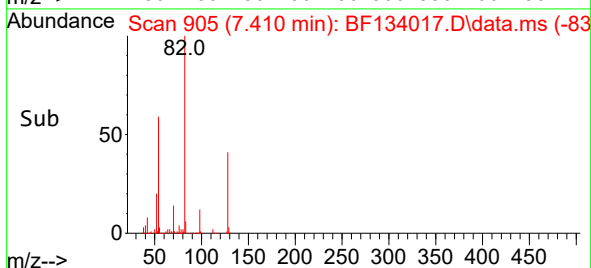
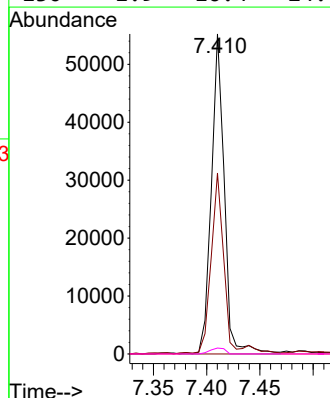
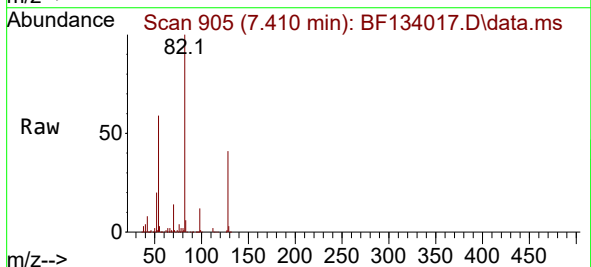
Instrument :
BNA_F
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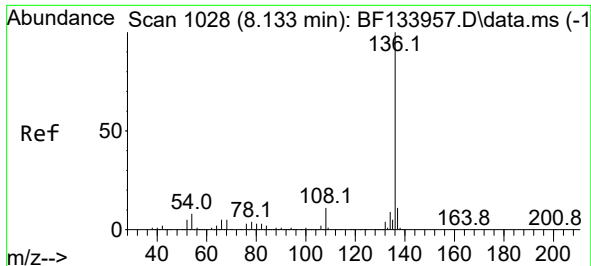
Tgt Ion: 99 Resp: 520105
Ion Ratio Lower Upper
99 100
42 23.2 19.8 29.6
71 39.8 31.9 47.9



#19
n-Nitroso-di-n-propylamine
Concen: 9.921 ng
RT: 7.410 min Scan# 905
Delta R.T. 0.141 min
Lab File: BF134017.D
Acq: 28 Jun 2023 06:55

Tgt Ion: 70 Resp: 46922
Ion Ratio Lower Upper
70 100
42 56.5 54.7 82.1
101 0.0 7.7 11.5#
130 1.9 16.4 24.6#

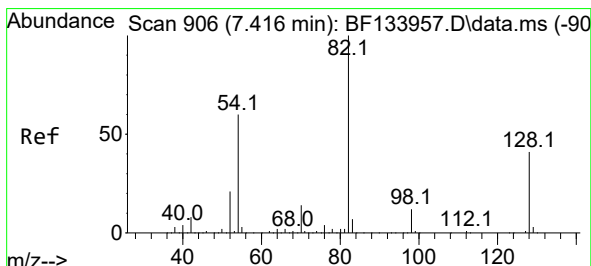
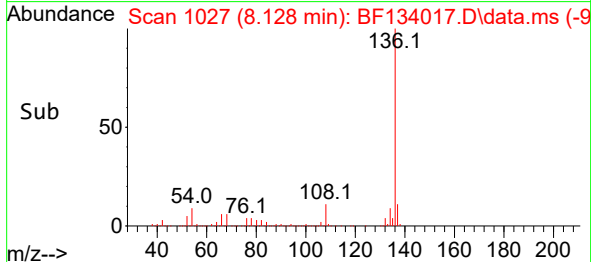
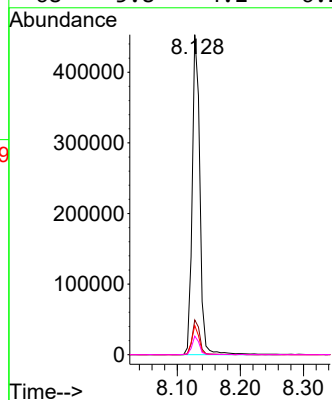
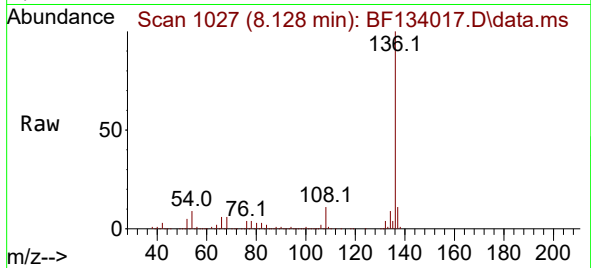




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.128 min Scan# 1028
Delta R.T. -0.006 min
Lab File: BF134017.D
Acq: 28 Jun 2023 06:55

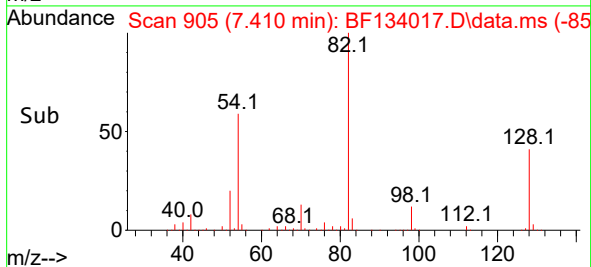
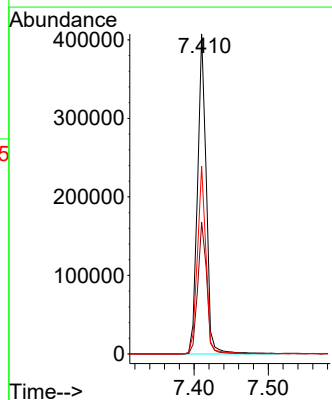
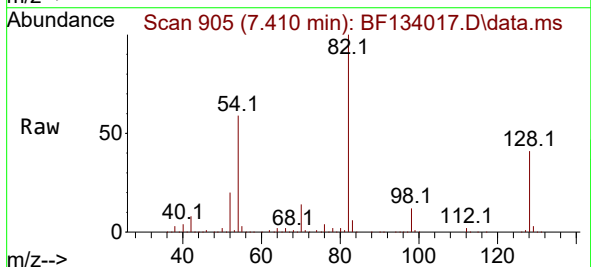
Instrument :
BNA_F
ClientSampleId :
SB-05-COMP

Tgt Ion:136 Resp: 385508
Ion Ratio Lower Upper
136 100
137 10.9 8.6 12.8
54 9.1 6.5 9.7
68 5.8 4.2 6.2



#23
Nitrobenzene-d5
Concen: 46.664 ng
RT: 7.410 min Scan# 905
Delta R.T. -0.006 min
Lab File: BF134017.D
Acq: 28 Jun 2023 06:55

Tgt Ion: 82 Resp: 333719
Ion Ratio Lower Upper
82 100
128 41.2 32.5 48.7
54 58.7 48.2 72.2

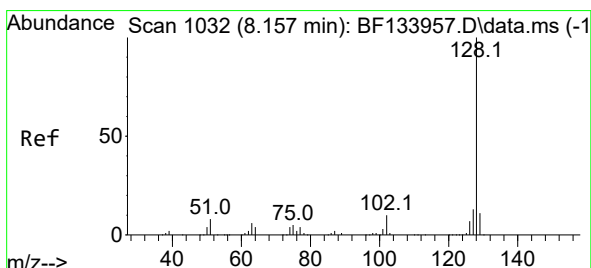
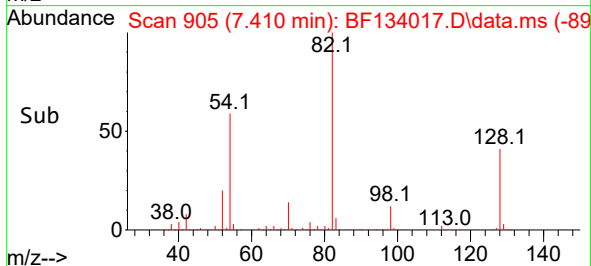
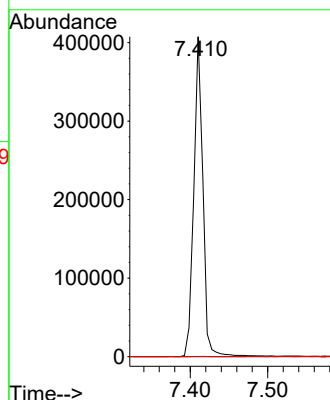
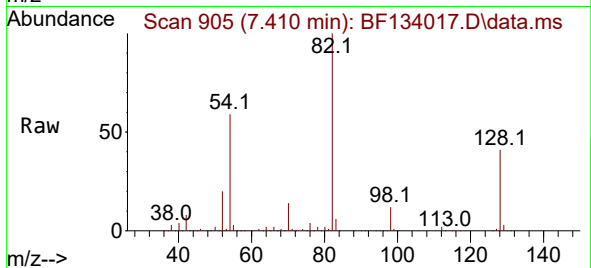




#25
Isophorone
Concen: 25.675 ng
RT: 7.410 min Scan# 90
Delta R.T. -0.264 min
Lab File: BF134017.D
Acq: 28 Jun 2023 06:55

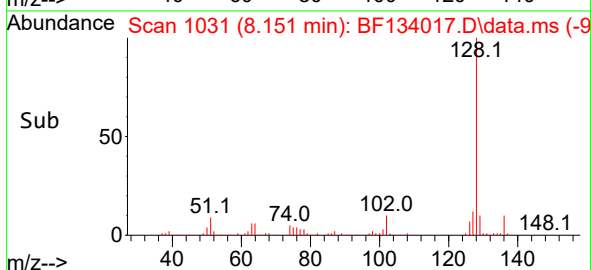
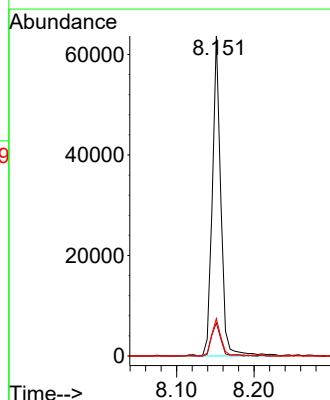
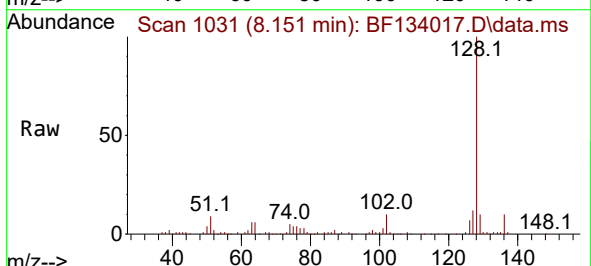
Instrument :
BNA_F
ClientSampleId :
SB-05-COMP

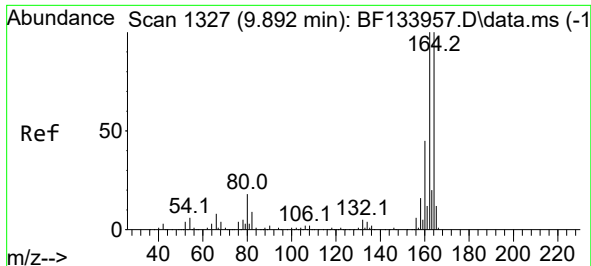
Tgt Ion: 82 Resp: 333715
Ion Ratio Lower Upper
82 100
95 0.0 6.1 9.1#
138 0.0 15.2 22.8#



#31
Naphthalene
Concen: 2.614 ng
RT: 8.151 min Scan# 1031
Delta R.T. -0.006 min
Lab File: BF134017.D
Acq: 28 Jun 2023 06:55

Tgt Ion: 128 Resp: 48671
Ion Ratio Lower Upper
128 100
129 10.3 8.7 13.1
127 11.7 10.6 15.8

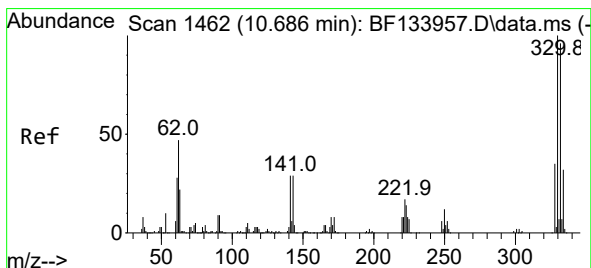
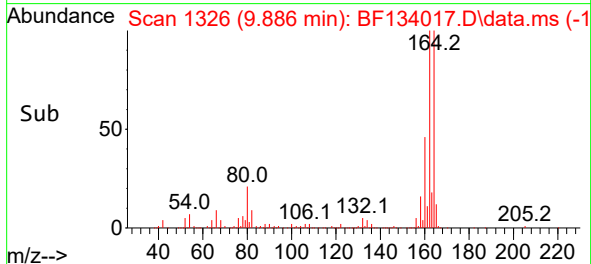
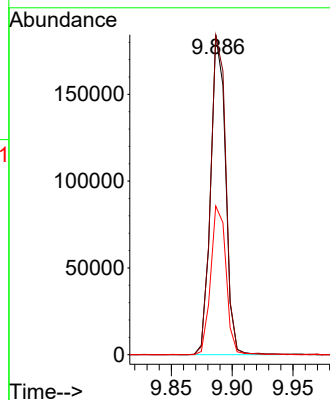
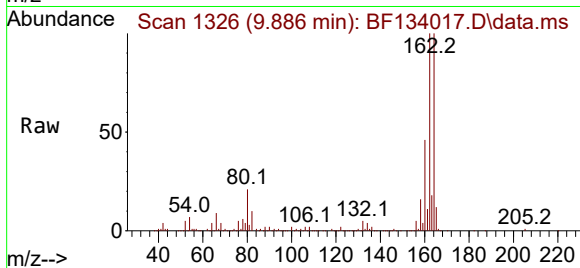




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.886 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF134017.D
Acq: 28 Jun 2023 06:55

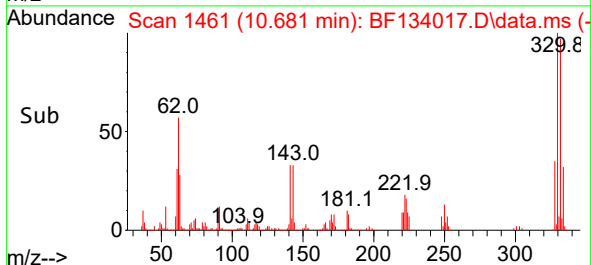
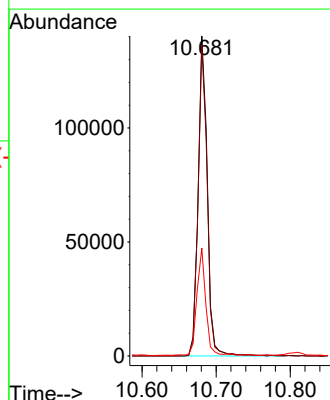
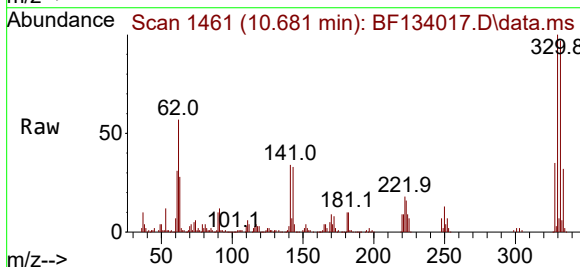
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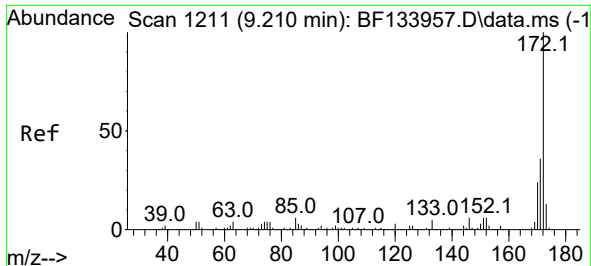
Tgt Ion:164 Resp: 156177
Ion Ratio Lower Upper
164 100
162 99.8 80.0 120.0
160 46.4 35.9 53.9



#42
2,4,6-Tribromophenol
Concen: 61.247 ng
RT: 10.681 min Scan# 1461
Delta R.T. -0.006 min
Lab File: BF134017.D
Acq: 28 Jun 2023 06:55

Tgt Ion:330 Resp: 119931
Ion Ratio Lower Upper
330 100
332 96.3 77.0 115.6
141 33.2 26.3 39.5





#45

2-Fluorobiphenyl

Concen: 59.027 ng

RT: 9.204 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF134017.D

Acq: 28 Jun 2023 06:55

Instrument :

BNA_F

ClientSampleId :

SB-05-COMP

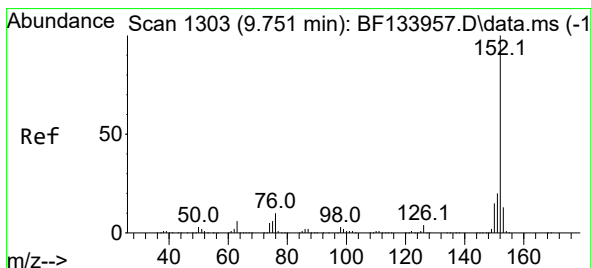
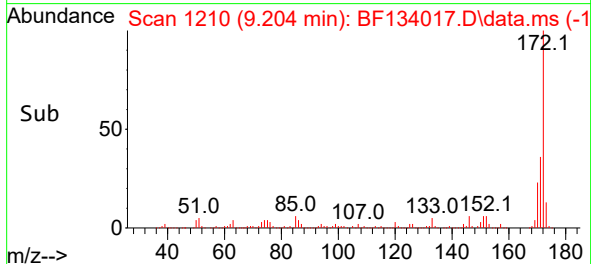
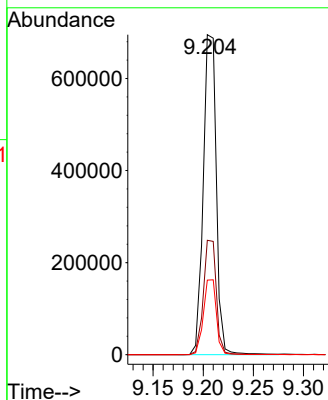
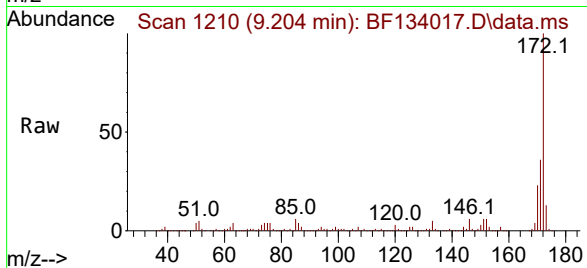
Tgt Ion:172 Resp: 634064

Ion Ratio Lower Upper

172 100

171 35.7 28.6 43.0

170 23.3 19.4 29.0



#49

Acenaphthylene

Concen: 6.287 ng

RT: 9.751 min Scan# 1303

Delta R.T. 0.000 min

Lab File: BF134017.D

Acq: 28 Jun 2023 06:55

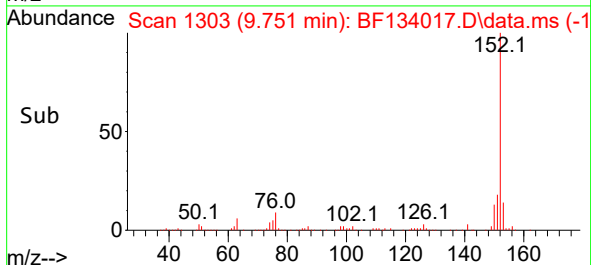
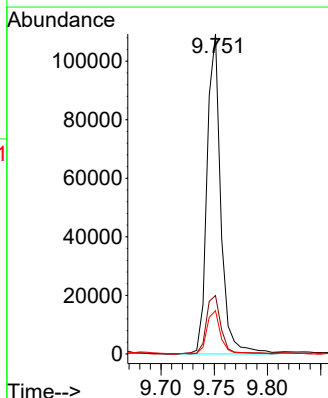
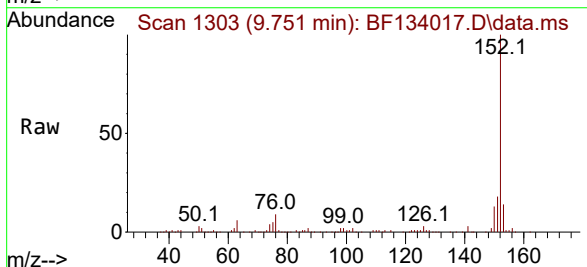
Tgt Ion:152 Resp: 98447

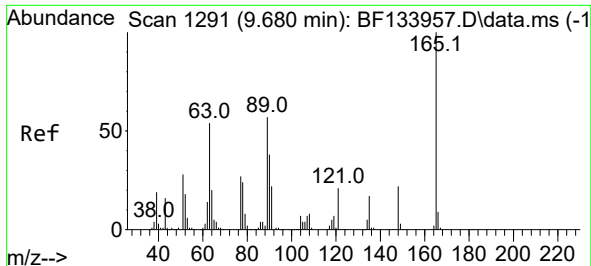
Ion Ratio Lower Upper

152 100

151 18.2 16.2 24.2

153 13.5 10.8 16.2

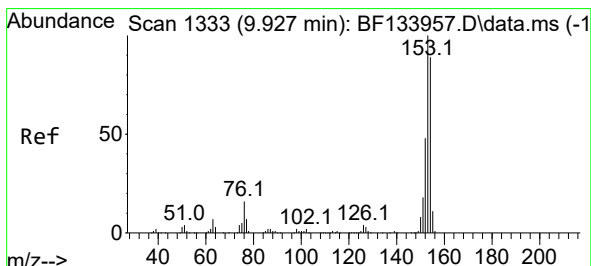
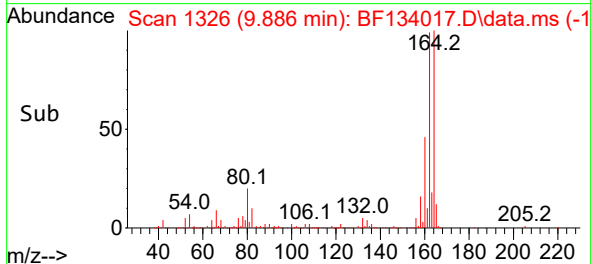
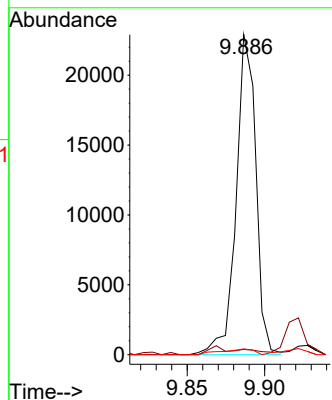
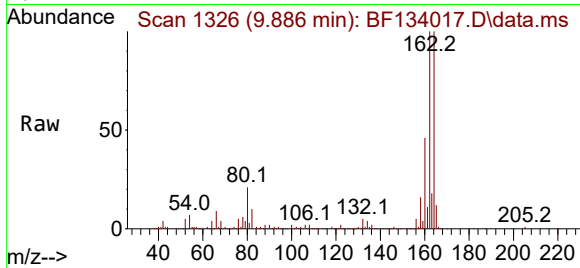




#51
2,6-Dinitrotoluene
Concen: 8.294 ng
RT: 9.886 min Scan# 11
Delta R.T. 0.206 min
Lab File: BF134017.D
Acq: 28 Jun 2023 06:55

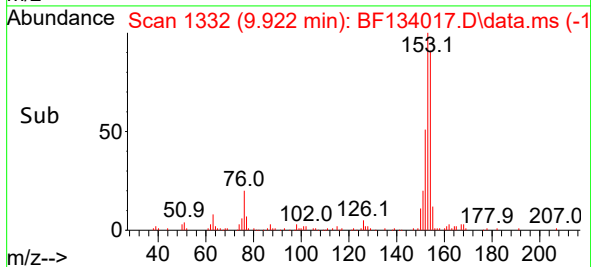
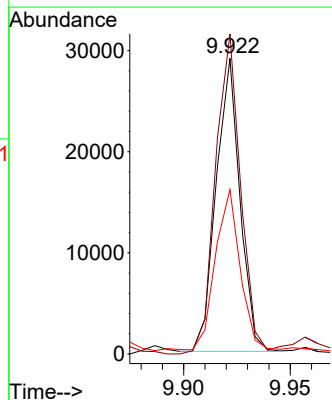
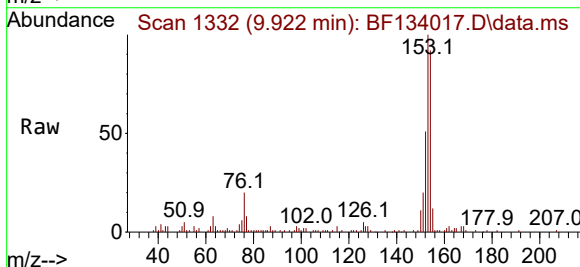
Instrument :
BNA_F
ClientSampleId :
SB-05-COMP

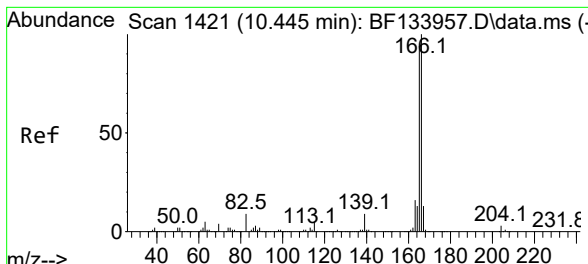
Tgt Ion:165 Resp: 20252
Ion Ratio Lower Upper
165 100
63 1.6 48.5 72.7#
89 1.8 45.5 68.3#



#52
Acenaphthene
Concen: 2.478 ng
RT: 9.922 min Scan# 1332
Delta R.T. -0.005 min
Lab File: BF134017.D
Acq: 28 Jun 2023 06:55

Tgt Ion:154 Resp: 22513
Ion Ratio Lower Upper
154 100
153 108.2 89.4 134.2
152 55.6 42.8 64.2



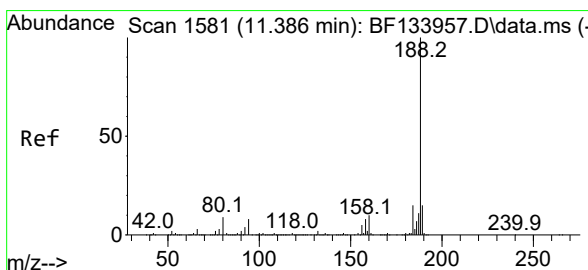
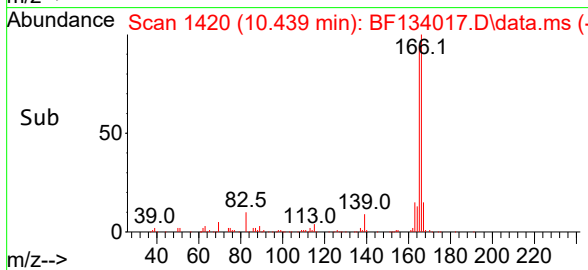
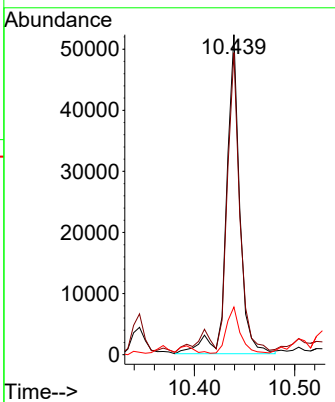
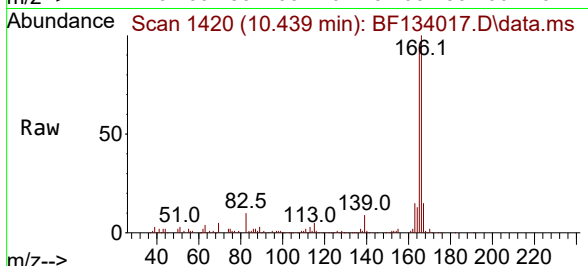


#58
 Fluorene
 Concen: 4.337 ng
 RT: 10.439 min Scan# 1420
 Delta R.T. -0.006 min
 Lab File: BF134017.D
 Acq: 28 Jun 2023 06:55

Instrument :
 BNA_F
 ClientSampleId :
 SB-05-COMP

Tgt Ion:166 Resp: 47912

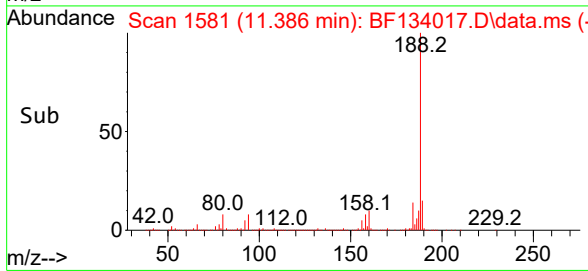
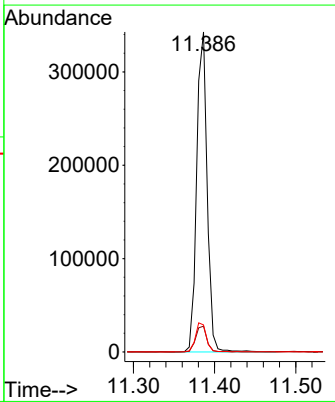
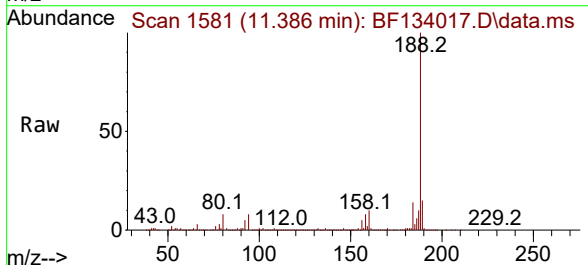
Ion	Ratio	Lower	Upper
166	100		
165	94.4	75.0	112.4
167	14.9	10.6	15.8

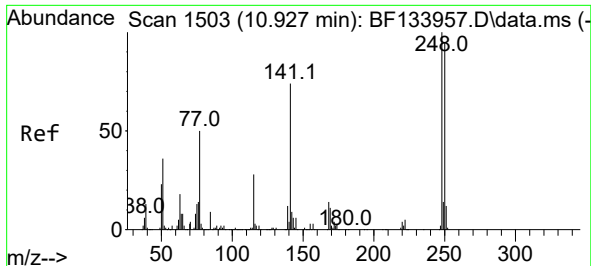


#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.386 min Scan# 1581
 Delta R.T. 0.000 min
 Lab File: BF134017.D
 Acq: 28 Jun 2023 06:55

Tgt Ion:188 Resp: 307655

Ion	Ratio	Lower	Upper
188	100		
94	8.1	6.4	9.6
80	8.4	7.3	10.9

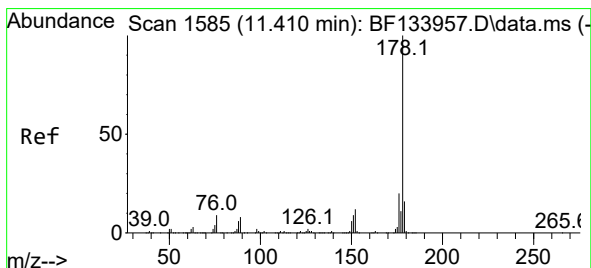
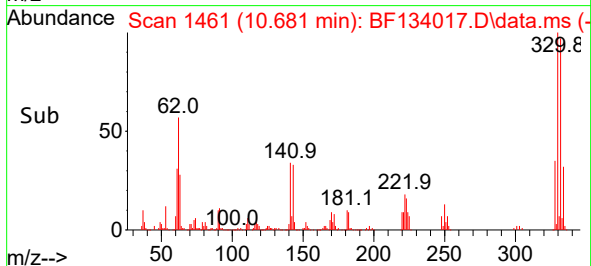
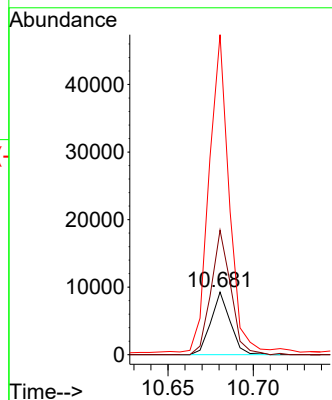
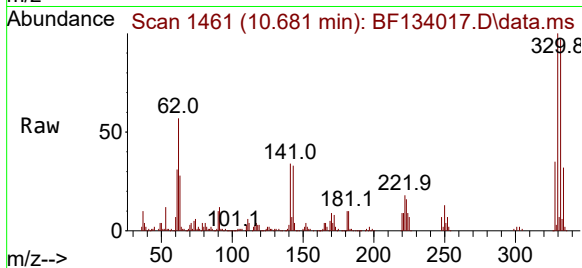




#67
4-Bromophenyl-phenylether
Concen: 2.239 ng
RT: 10.681 min Scan# 1461
Delta R.T. -0.247 min
Lab File: BF134017.D
Acq: 28 Jun 2023 06:55

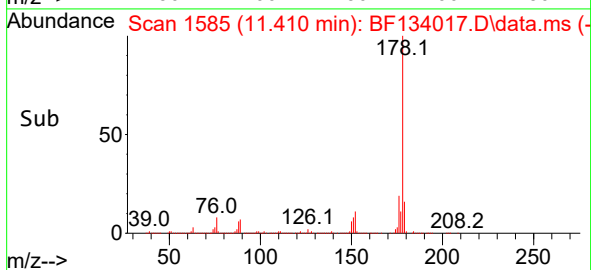
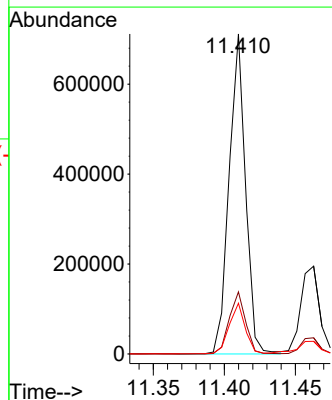
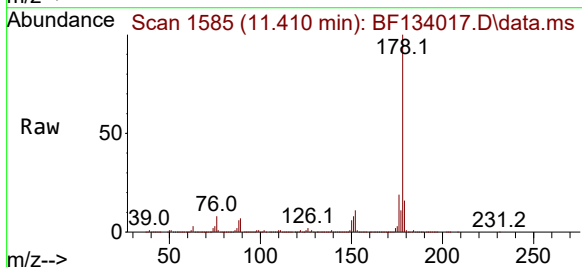
Instrument :
BNA_F
ClientSampleId :
SB-05-COMP

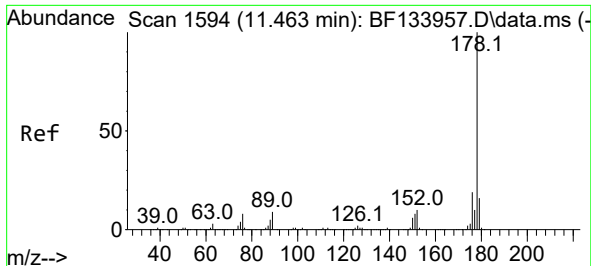
Tgt Ion:248 Resp: 7323
Ion Ratio Lower Upper
248 100
250 199.3 76.2 114.4#
141 512.1 59.0 88.4#



#71
Phenanthrene
Concen: 36.963 ng
RT: 11.410 min Scan# 1585
Delta R.T. 0.000 min
Lab File: BF134017.D
Acq: 28 Jun 2023 06:55

Tgt Ion:178 Resp: 572484
Ion Ratio Lower Upper
178 100
176 19.4 16.0 24.0
179 15.9 12.4 18.6

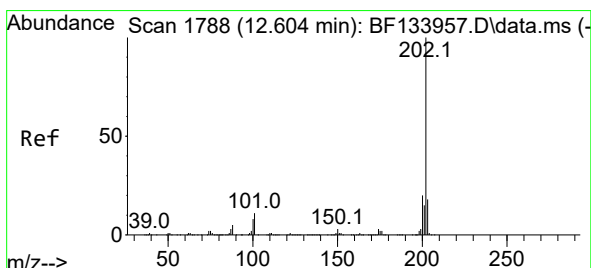
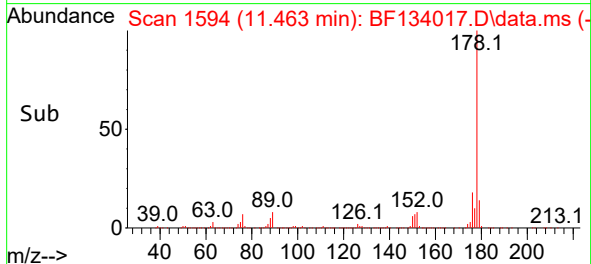
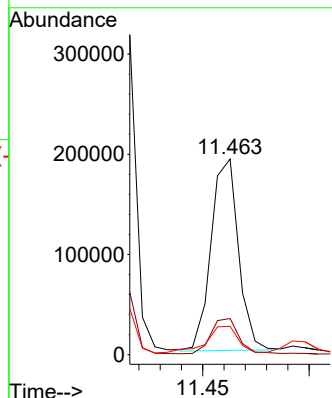
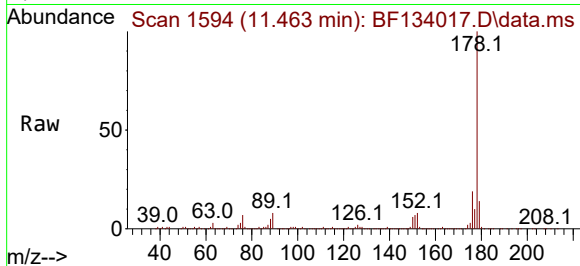




#72
 Anthracene
 Concen: 10.641 ng
 RT: 11.463 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: BF134017.D
 Acq: 28 Jun 2023 06:55

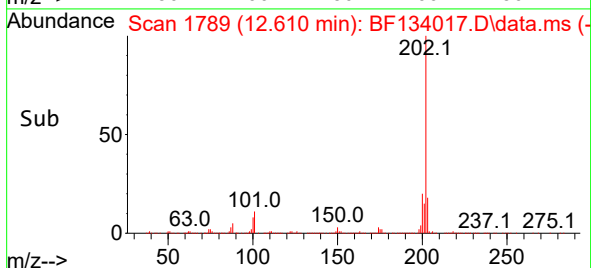
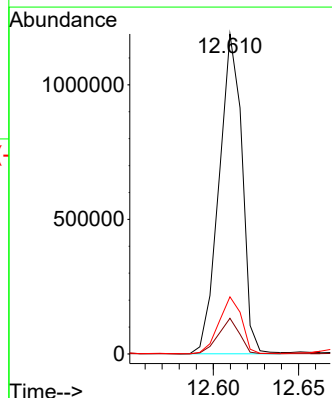
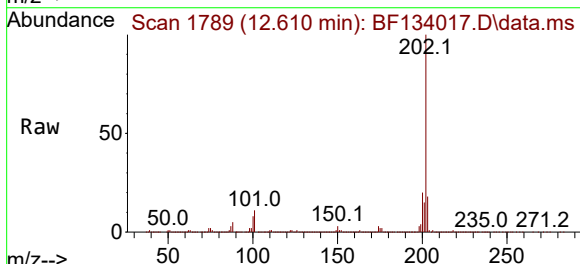
Instrument :
 BNA_F
 ClientSampleId :
 SB-05-COMP

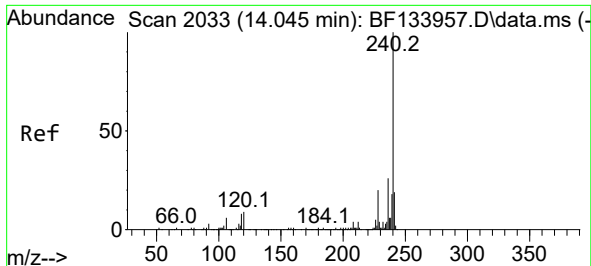
Tgt Ion:178 Resp: 171415
 Ion Ratio Lower Upper
 178 100
 176 18.5 15.3 22.9
 179 14.5 12.4 18.6



#75
 Fluoranthene
 Concen: 66.693 ng
 RT: 12.610 min Scan# 1789
 Delta R.T. 0.006 min
 Lab File: BF134017.D
 Acq: 28 Jun 2023 06:55

Tgt Ion:202 Resp: 1116691
 Ion Ratio Lower Upper
 202 100
 101 11.1 0.0 31.0
 203 17.9 0.0 37.6

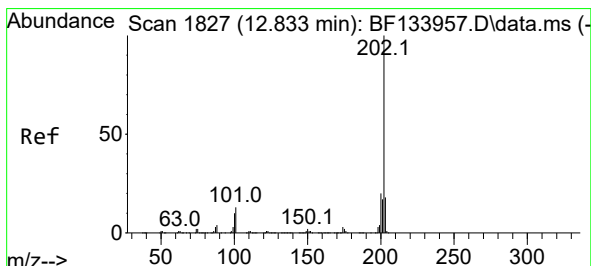
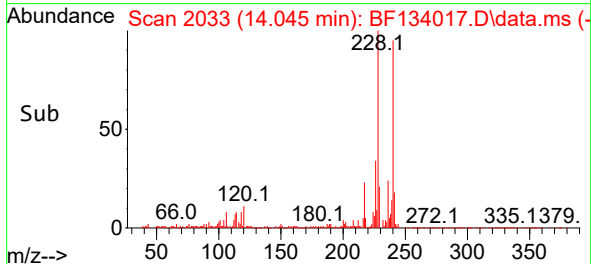
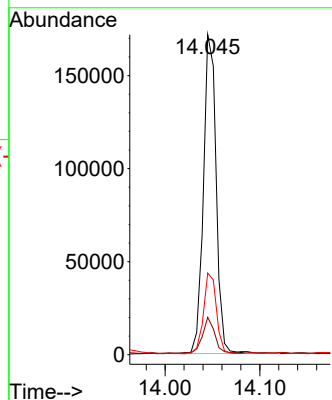
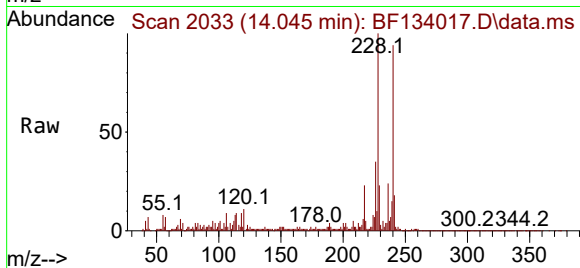




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 2033
Delta R.T. 0.000 min
Lab File: BF134017.D
Acq: 28 Jun 2023 06:55

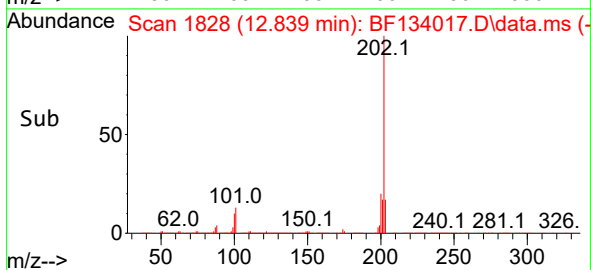
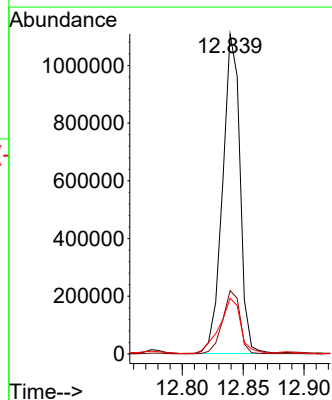
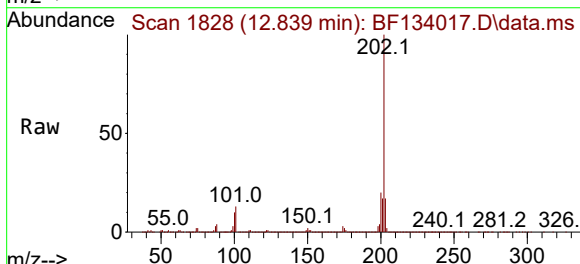
Instrument :
BNA_F
ClientSampleId :
SB-05-COMP

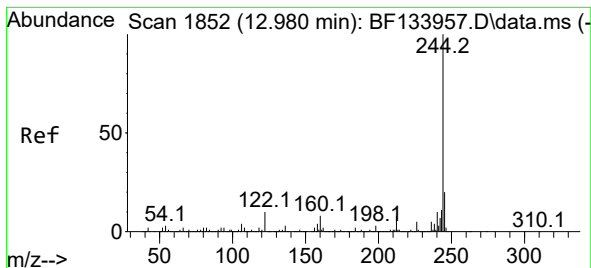
Tgt Ion:240 Resp: 159546
Ion Ratio Lower Upper
240 100
120 11.7 7.4 11.0#
236 25.5 21.0 31.6



#78
Pyrene
Concen: 74.171 ng
RT: 12.839 min Scan# 1828
Delta R.T. 0.006 min
Lab File: BF134017.D
Acq: 28 Jun 2023 06:55

Tgt Ion:202 Resp: 1101278
Ion Ratio Lower Upper
202 100
200 19.8 16.1 24.1
203 17.4 14.3 21.5





#79

Terphenyl-d14

Concen: 70.662 ng

RT: 12.980 min Scan# 1852

Delta R.T. 0.000 min

Lab File: BF134017.D

Acq: 28 Jun 2023 06:55

Instrument :

BNA_F

ClientSampleId :

SB-05-COMP

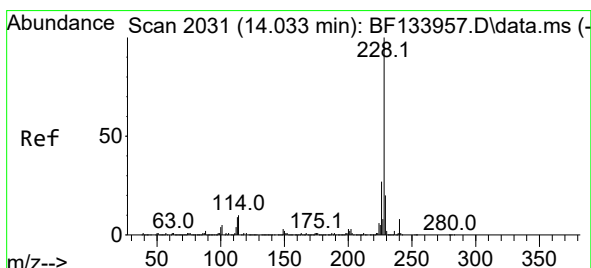
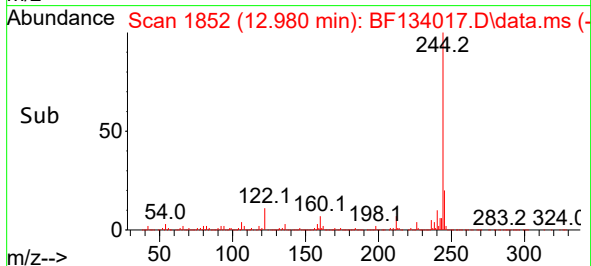
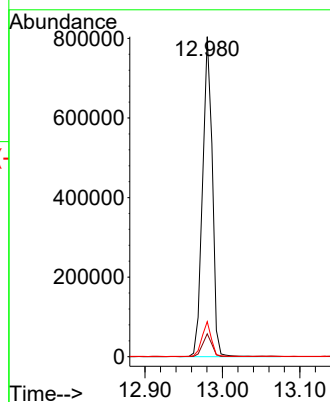
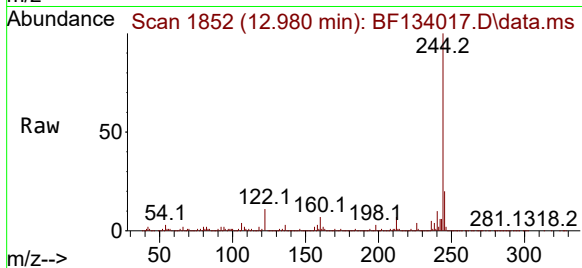
Tgt Ion:244 Resp: 700495

Ion Ratio Lower Upper

244 100

212 7.2 6.0 9.0

122 11.0 8.3 12.5



#81

Benzo(a)anthracene

Concen: 38.243 ng

RT: 14.039 min Scan# 2032

Delta R.T. 0.006 min

Lab File: BF134017.D

Acq: 28 Jun 2023 06:55

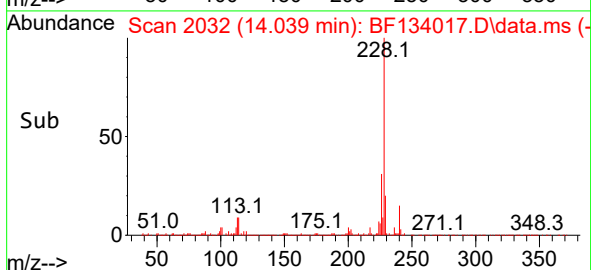
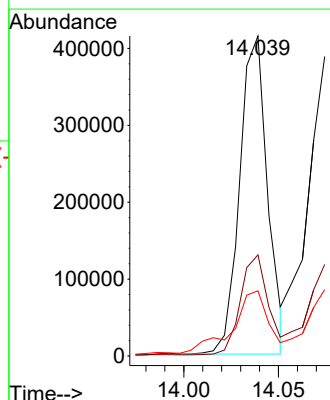
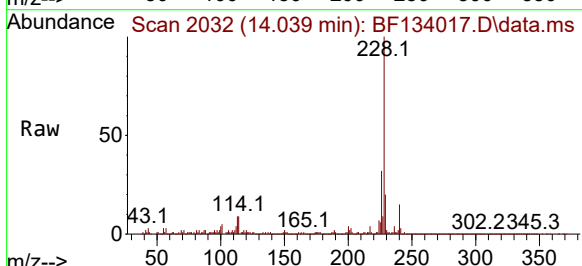
Tgt Ion:228 Resp: 423152

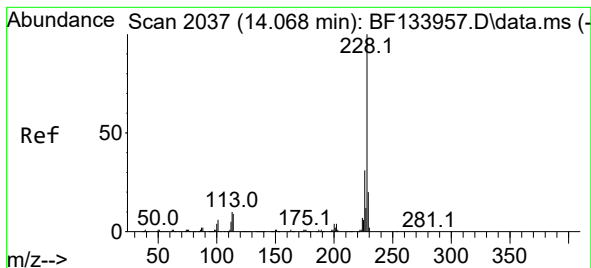
Ion Ratio Lower Upper

228 100

226 31.6 22.0 33.0

229 20.3 16.3 24.5





#83

Chrysene

Concen: 34.751 ng

RT: 14.074 min Scan# 2037

Delta R.T. 0.006 min

Lab File: BF134017.D

Acq: 28 Jun 2023 06:55

Instrument :

BNA_F

ClientSampleId :

SB-05-COMP

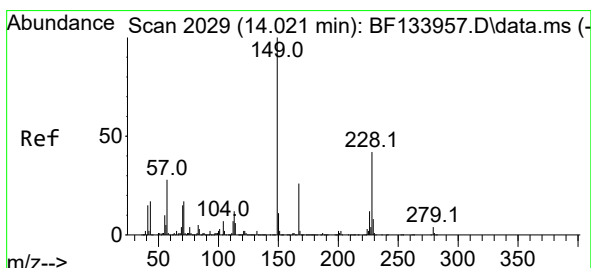
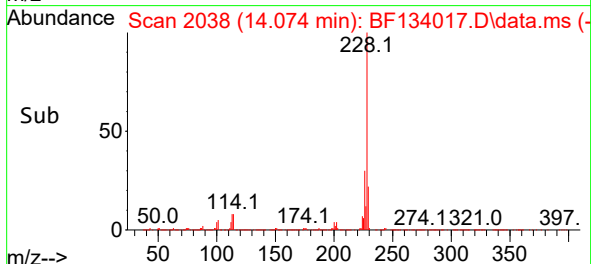
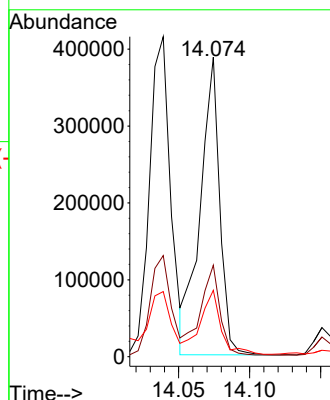
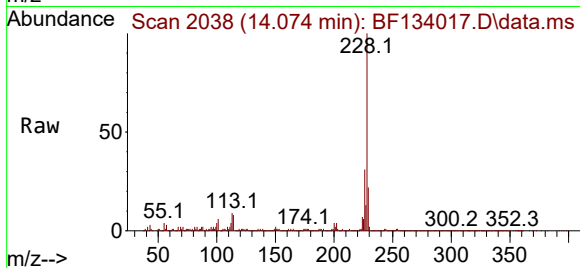
Tgt Ion:228 Resp: 372424

Ion Ratio Lower Upper

228 100

226 30.6 24.4 36.6

229 22.2 16.1 24.1



#84

Bis(2-ethylhexyl)phthalate

Concen: 6.959 ng

RT: 14.021 min Scan# 2029

Delta R.T. 0.000 min

Lab File: BF134017.D

Acq: 28 Jun 2023 06:55

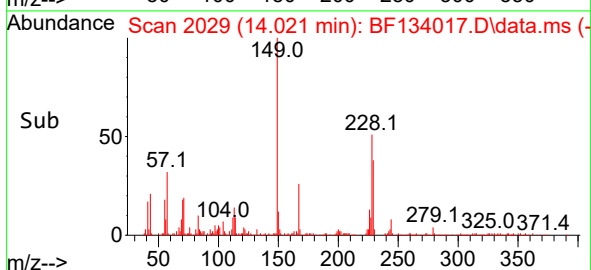
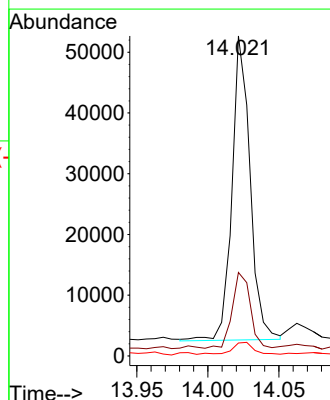
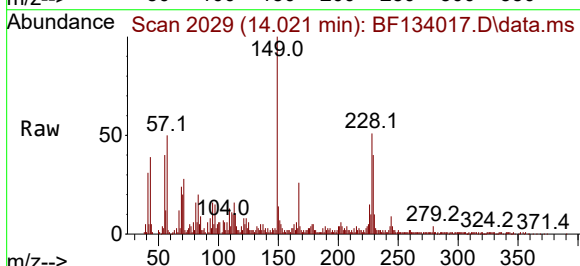
Tgt Ion:149 Resp: 44528

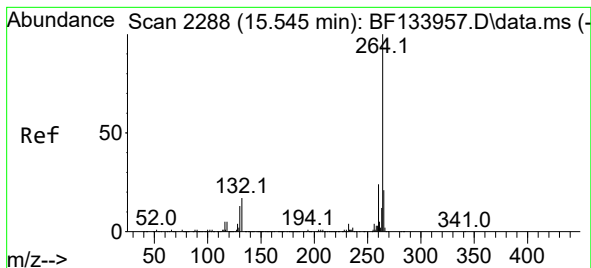
Ion Ratio Lower Upper

149 100

167 26.1 21.0 31.4

279 4.0 3.3 4.9





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.557 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF134017.D

Acq: 28 Jun 2023 06:55

Instrument :

BNA_F

ClientSampleId :

SB-05-COMP

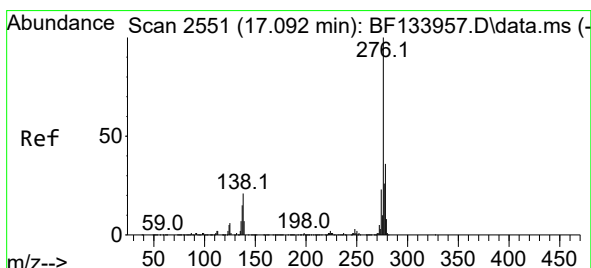
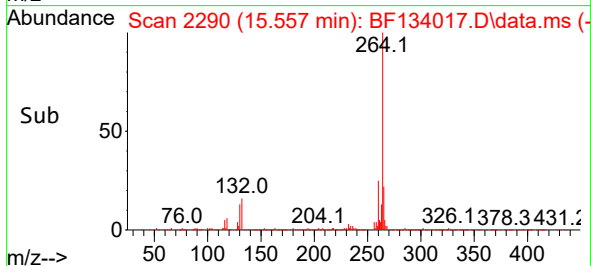
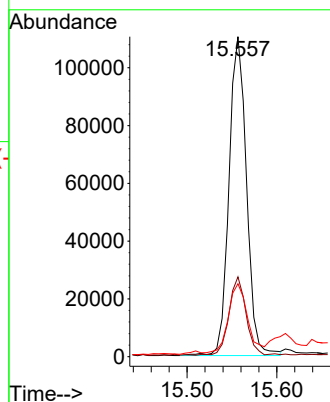
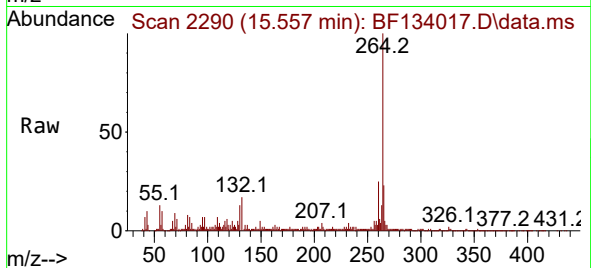
Tgt Ion:264 Resp: 149808

Ion Ratio Lower Upper

264 100

260 25.0 19.5 29.3

265 22.8 16.6 25.0



#87

Indeno(1,2,3-cd)pyrene

Concen: 17.713 ng

RT: 17.104 min Scan# 2553

Delta R.T. 0.012 min

Lab File: BF134017.D

Acq: 28 Jun 2023 06:55

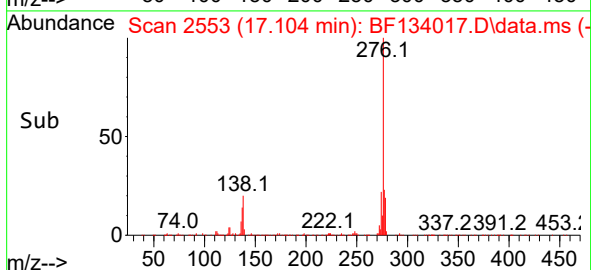
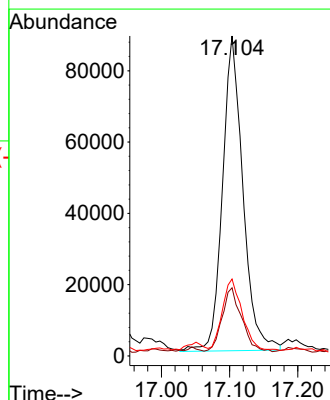
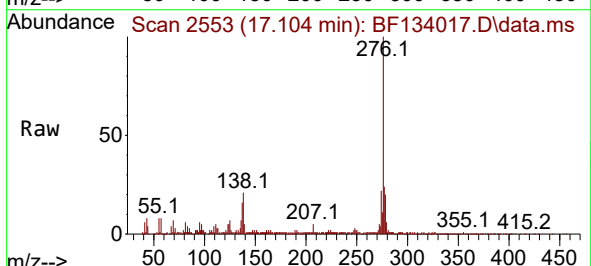
Tgt Ion:276 Resp: 184130

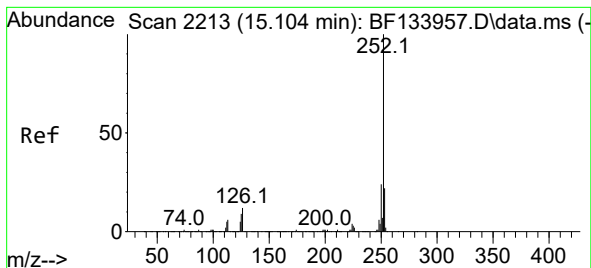
Ion Ratio Lower Upper

276 100

138 19.3 18.7 28.1

277 22.0 19.9 29.9





#88

Benzo(b)fluoranthene

Concen: 58.630 ng

RT: 15.116 min Scan# 2215

Delta R.T. 0.012 min

Lab File: BF134017.D

Acq: 28 Jun 2023 06:55

Instrument :

BNA_F

ClientSampleId :

SB-05-COMP

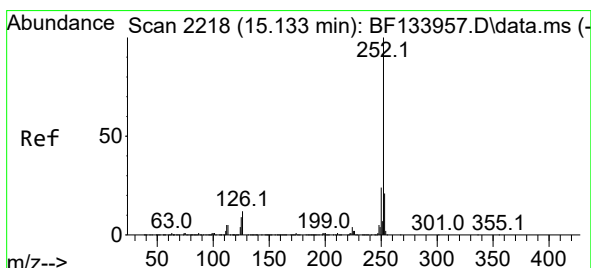
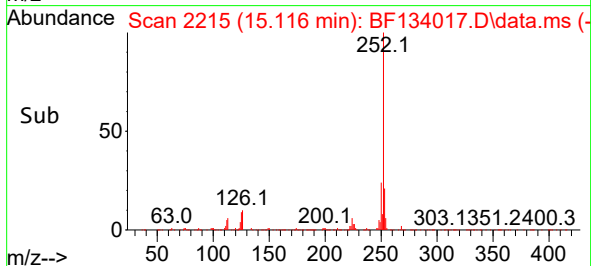
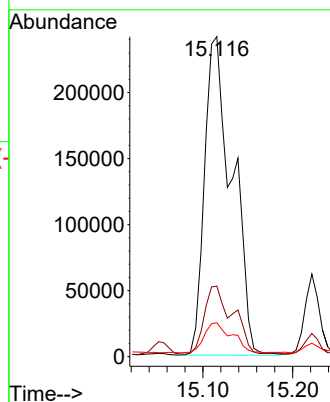
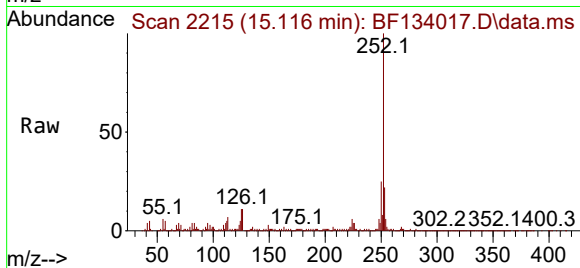
Tgt Ion:252 Resp: 516459

Ion Ratio Lower Upper

252 100

253 22.0 17.4 26.0

125 10.6 7.1 10.7



#89

Benzo(k)fluoranthene

Concen: 57.584 ng

RT: 15.116 min Scan# 2215

Delta R.T. -0.017 min

Lab File: BF134017.D

Acq: 28 Jun 2023 06:55

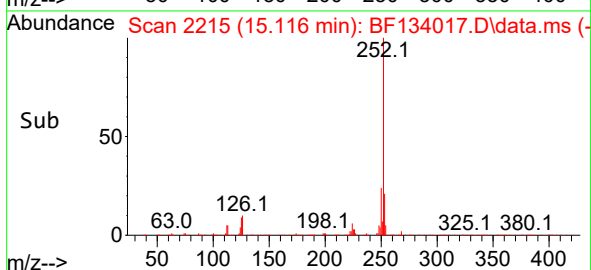
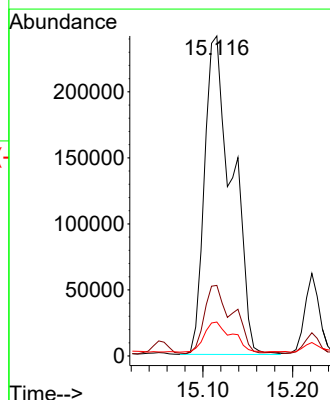
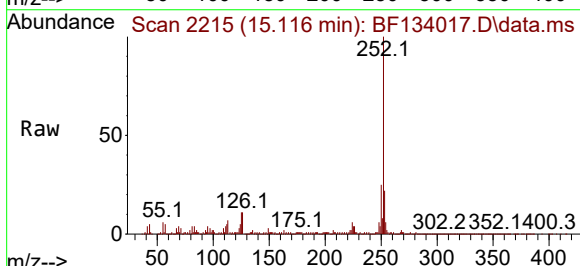
Tgt Ion:252 Resp: 516459

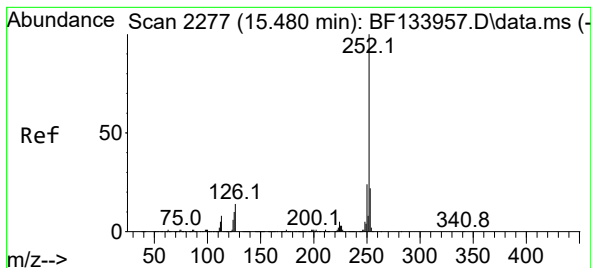
Ion Ratio Lower Upper

252 100

253 22.0 16.9 25.3

125 10.6 7.4 11.2





#90

Benzo(a)pyrene

Concen: 33.680 ng

RT: 15.492 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF134017.D

Acq: 28 Jun 2023 06:55

Instrument :

BNA_F

ClientSampleId :

SB-05-COMP

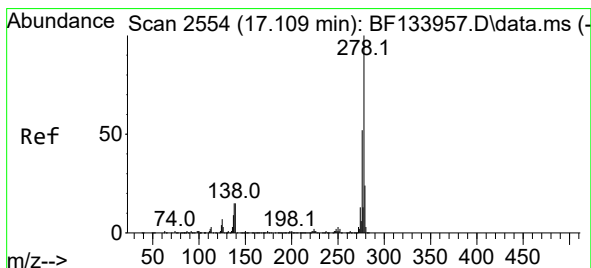
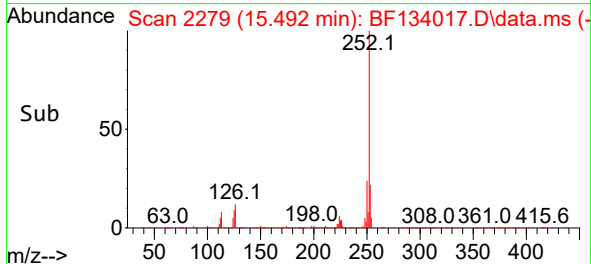
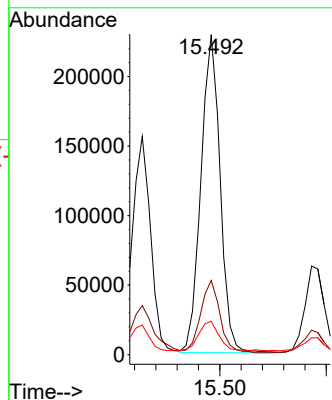
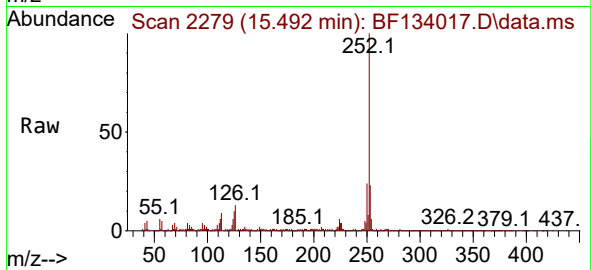
Tgt Ion:252 Resp: 286887

Ion Ratio Lower Upper

252 100

253 23.2 17.4 26.0

125 10.4 8.4 12.6



#91

Dibenzo(a,h)anthracene

Concen: 4.241 ng

RT: 17.292 min Scan# 2585

Delta R.T. 0.183 min

Lab File: BF134017.D

Acq: 28 Jun 2023 06:55

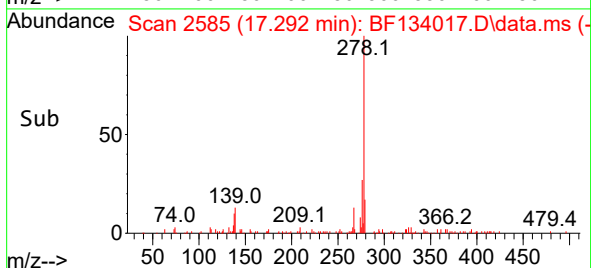
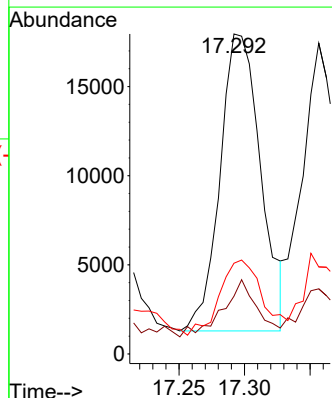
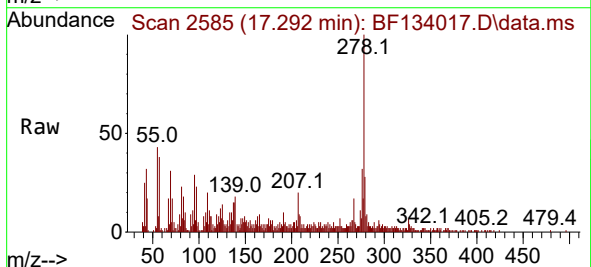
Tgt Ion:278 Resp: 36006

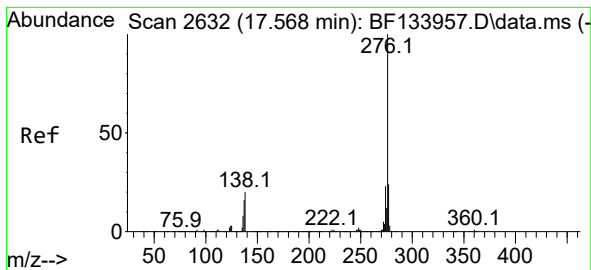
Ion Ratio Lower Upper

278 100

139 18.0 12.2 18.4

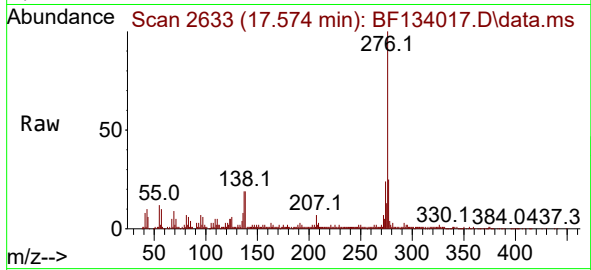
279 28.3 19.4 29.2





#92
 Benzo(g,h,i)perylene
 Concen: 16.831 ng
 RT: 17.574 min Scan# 20
 Delta R.T. 0.006 min
 Lab File: BF134017.D
 Acq: 28 Jun 2023 06:55

Instrument :
 BNA_F
 ClientSampleId :
 SB-05-COMP



Tgt Ion:276 Resp: 147372
 Ion Ratio Lower Upper
 276 100
 277 24.5 19.0 28.6
 138 19.1 16.2 24.2

