

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062723\
 Data File : BF134015.D
 Acq On : 28 Jun 2023 05:53
 Operator : CG\JU
 Sample : 03355-02
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-01-COMP

Quant Time: Jun 28 06:22:46 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)

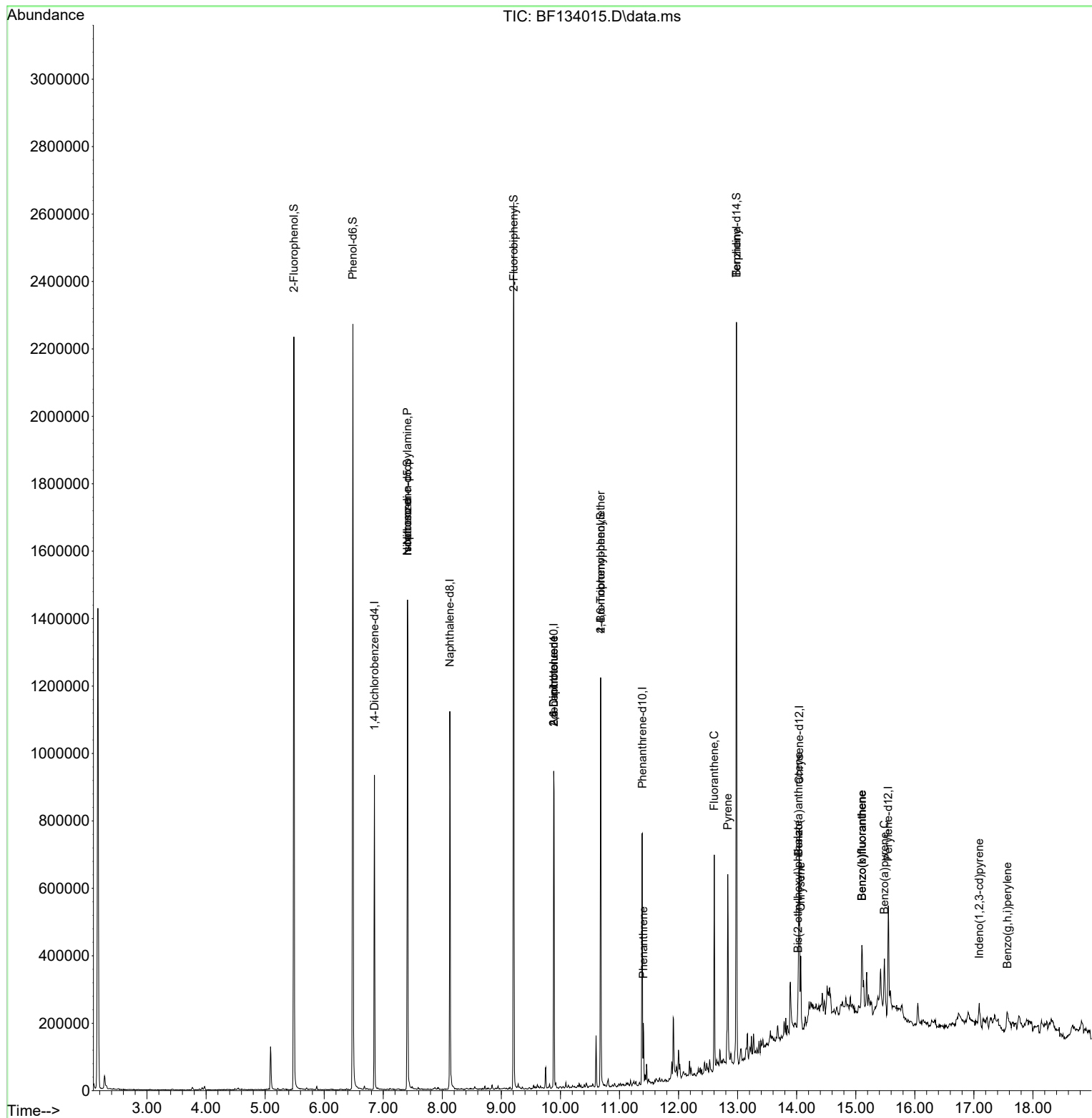
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.851	152	123164	20.000	ng	0.00
21) Naphthalene-d8	8.128	136	468489	20.000	ng	0.00
39) Acenaphthene-d10	9.886	164	184880	20.000	ng	0.00
64) Phenanthrene-d10	11.386	188	293742	20.000	ng	0.00
76) Chrysene-d12	14.045	240	175291	20.000	ng	0.00
86) Perylene-d12	15.551	264	149853	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	572002	77.687	ng	0.00
7) Phenol-d6	6.487	99	692842	76.516	ng	0.00
23) Nitrobenzene-d5	7.410	82	450967	51.889	ng	0.00
42) 2,4,6-Tribromophenol	10.680	330	134994	58.237	ng	0.00
45) 2-Fluorobiphenyl	9.210	172	771018	60.633	ng	0.00
79) Terphenyl-d14	12.980	244	706361	64.854	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.410	77	377	Below Cal	#	76
19) n-Nitroso-di-n-propyla...	7.410	70	63597	11.075	ng	# 79
25) Isophorone	7.410	82	450962	28.551	ng	# 64
51) 2,6-Dinitrotoluene	9.886	165	23925	8.277	ng	# 24
57) 2,4-Dinitrotoluene	9.886	165	23925	6.267	ng	# 22
67) 4-Bromophenyl-phenylether	10.680	248	7830	2.508	ng	# 1
71) Phenanthrene	11.404	178	57588	3.894	ng	98
75) Fluoranthene	12.604	202	231629	14.489	ng	99
77) Benzidine	12.980	184	10808	2.591	ng	# 90
78) Pyrene	12.833	202	228941	14.034	ng	100
81) Benzo(a)anthracene	14.033	228	101733	8.368	ng	93
83) Chrysene	14.069	228	81121	6.889	ng	97
84) Bis(2-ethylhexyl)phtha...	14.021	149	14691	2.090	ng	# 96
87) Indeno(1,2,3-cd)pyrene	17.092	276	40539	3.899	ng	97
88) Benzo(b)fluoranthene	15.104	252	143930	16.334	ng	# 95
89) Benzo(k)fluoranthene	15.104	252	143930	16.043	ng	# 94
90) Benzo(a)pyrene	15.486	252	70064	8.223	ng	# 93
92) Benzo(g,h,i)perylene	17.568	276	40187	4.588	ng	96

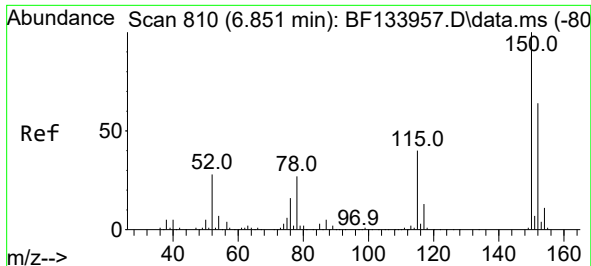
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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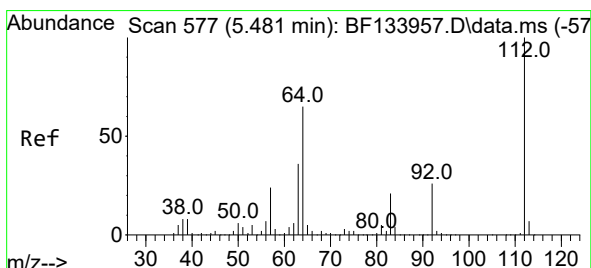
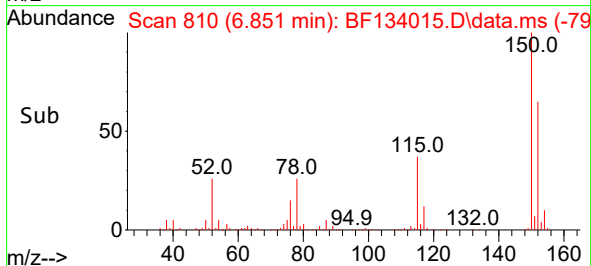
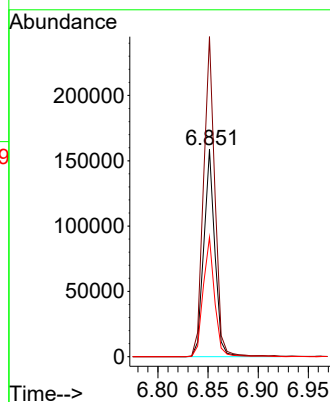
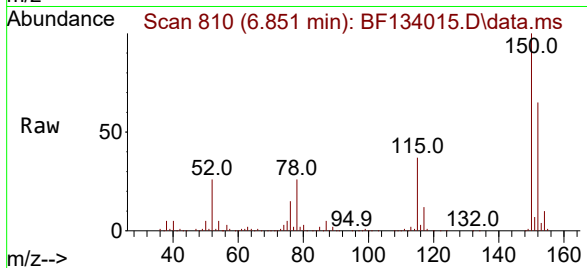




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.851 min Scan# 810
Delta R.T. 0.000 min
Lab File: BF134015.D
Acq: 28 Jun 2023 05:53

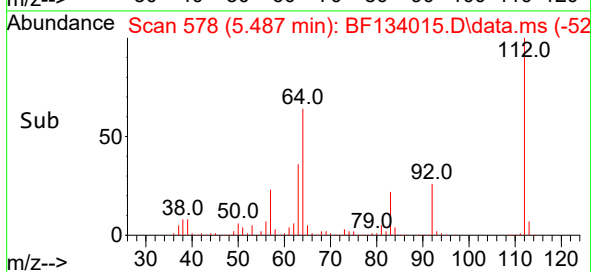
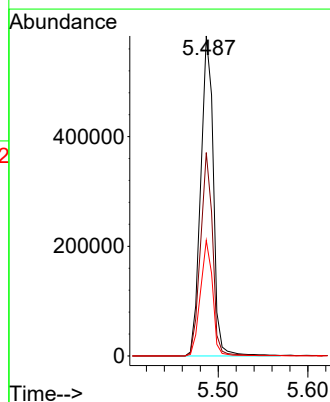
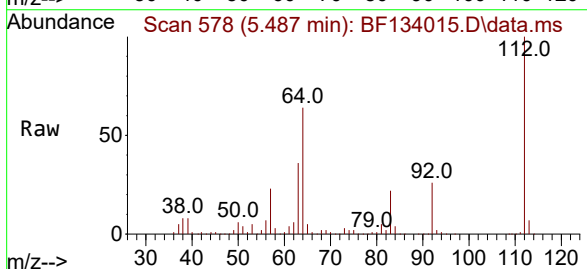
Instrument :
BNA_F
ClientSampleId :
SB-01-COMP

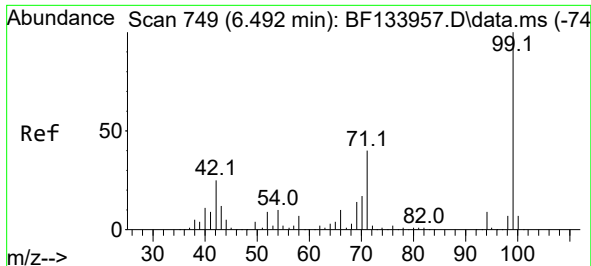
Tgt Ion:152 Resp: 123164
Ion Ratio Lower Upper
152 100
150 154.5 124.5 186.7
115 57.6 50.2 75.2



#5
2-Fluorophenol
Concen: 77.687 ng
RT: 5.487 min Scan# 578
Delta R.T. 0.006 min
Lab File: BF134015.D
Acq: 28 Jun 2023 05:53

Tgt Ion:112 Resp: 572002
Ion Ratio Lower Upper
112 100
64 63.6 52.1 78.1
63 36.1 28.6 42.8

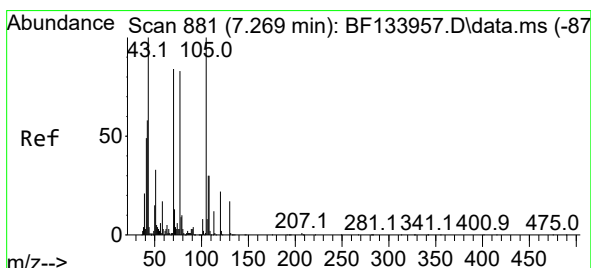
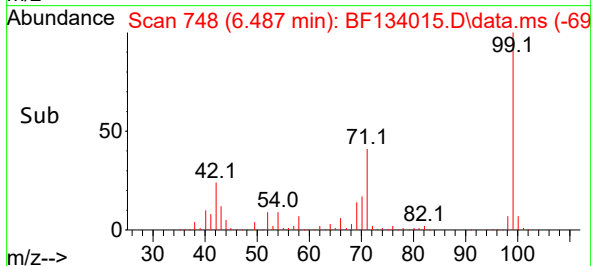
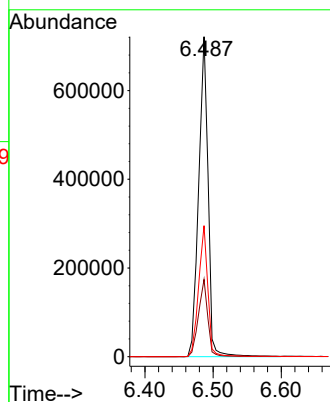
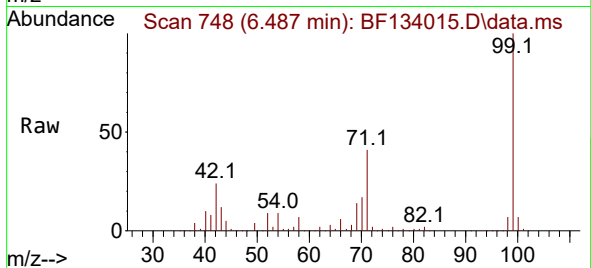




#7
Phenol-d6
Concen: 76.516 ng
RT: 6.487 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF134015.D
Acq: 28 Jun 2023 05:53

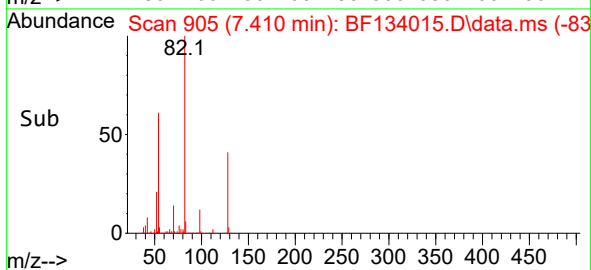
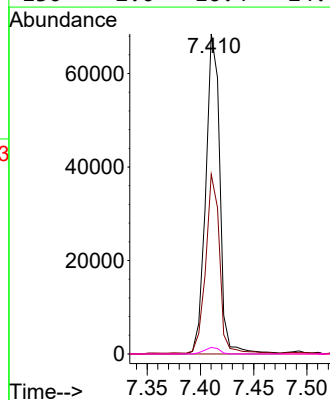
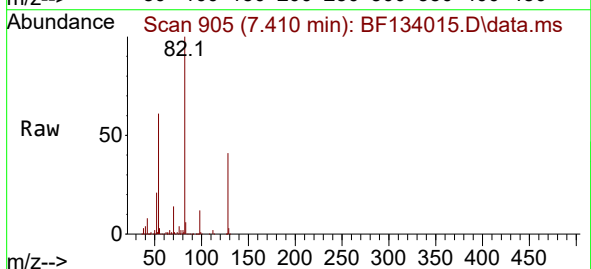
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ClientSampleId :
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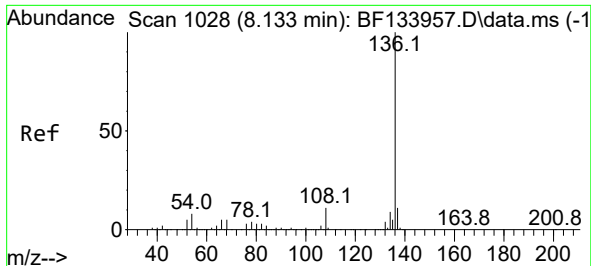
Tgt Ion: 99 Resp: 692842
Ion Ratio Lower Upper
99 100
42 24.2 19.8 29.6
71 40.9 31.9 47.9



#19
n-Nitroso-di-n-propylamine
Concen: 11.075 ng
RT: 7.410 min Scan# 905
Delta R.T. 0.141 min
Lab File: BF134015.D
Acq: 28 Jun 2023 05:53

Tgt Ion: 70 Resp: 63597
Ion Ratio Lower Upper
70 100
42 56.1 54.7 82.1
101 0.0 7.7 11.5#
130 2.0 16.4 24.6#

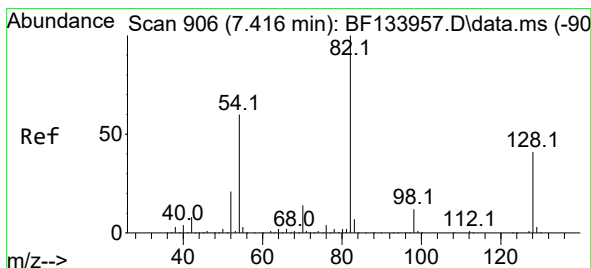
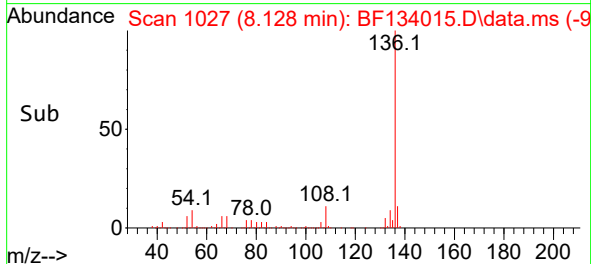
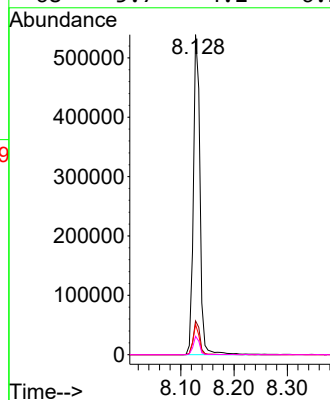
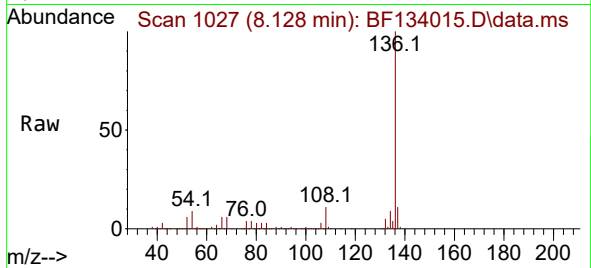




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.128 min Scan# 1028
Delta R.T. -0.006 min
Lab File: BF134015.D
Acq: 28 Jun 2023 05:53

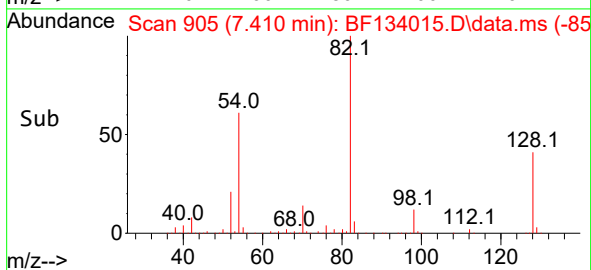
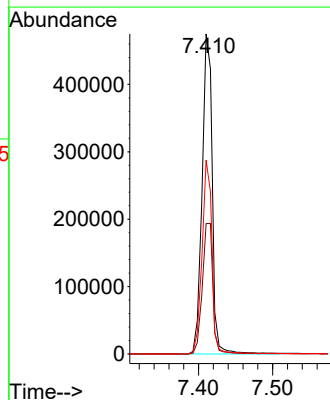
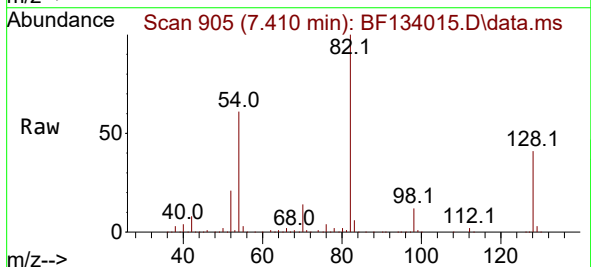
Instrument :
BNA_F
ClientSampleId :
SB-01-COMP

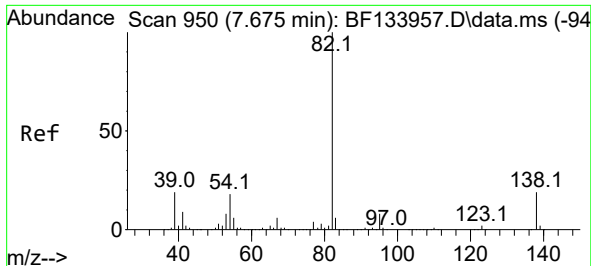
Tgt Ion:136 Resp: 468489
Ion Ratio Lower Upper
136 100
137 10.6 8.6 12.8
54 9.5 6.5 9.7
68 5.7 4.2 6.2



#23
Nitrobenzene-d5
Concen: 51.889 ng
RT: 7.410 min Scan# 905
Delta R.T. -0.006 min
Lab File: BF134015.D
Acq: 28 Jun 2023 05:53

Tgt Ion: 82 Resp: 450967
Ion Ratio Lower Upper
82 100
128 40.8 32.5 48.7
54 60.6 48.2 72.2

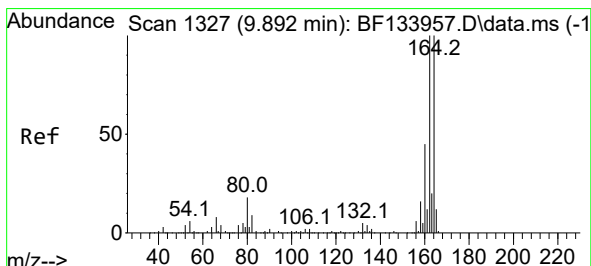
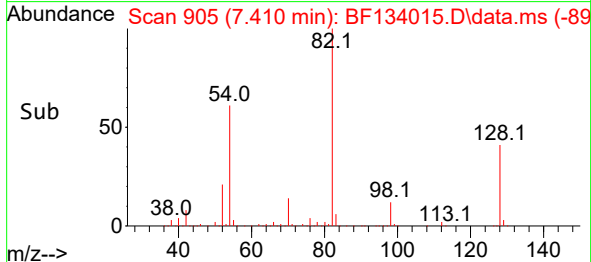
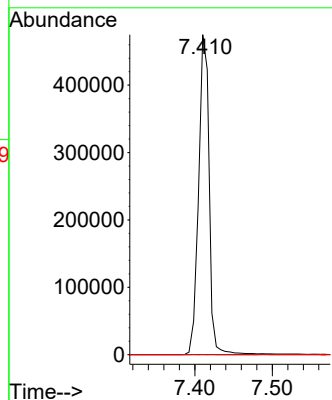
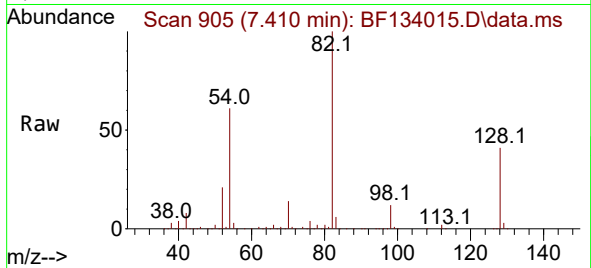




#25
Isophorone
Concen: 28.551 ng
RT: 7.410 min Scan# 90
Delta R.T. -0.264 min
Lab File: BF134015.D
Acq: 28 Jun 2023 05:53

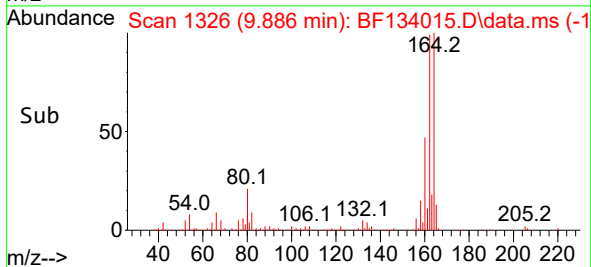
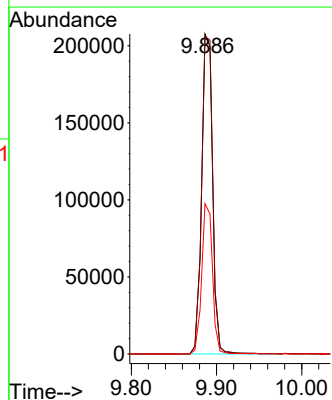
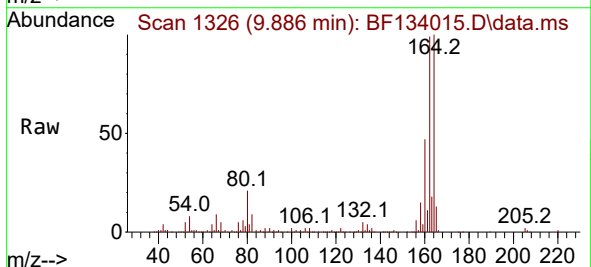
Instrument :
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ClientSampleId :
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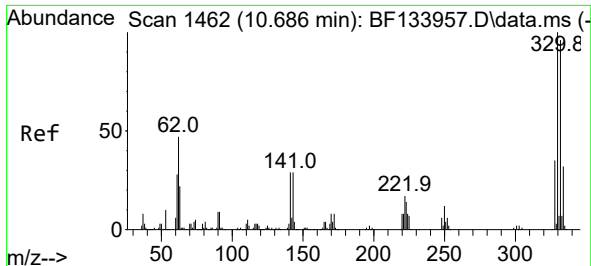
Tgt Ion: 82 Resp: 450962
Ion Ratio Lower Upper
82 100
95 0.0 6.1 9.1#
138 0.0 15.2 22.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.886 min Scan# 1326
Delta R.T. -0.006 min
Lab File: BF134015.D
Acq: 28 Jun 2023 05:53

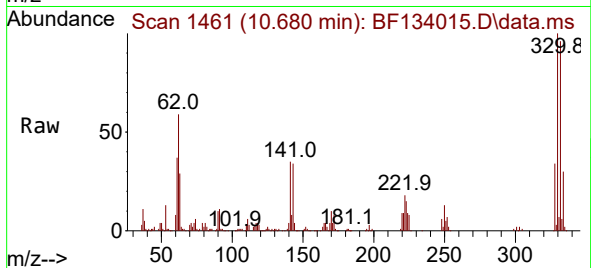
Tgt Ion:164 Resp: 184880
Ion Ratio Lower Upper
164 100
162 99.4 80.0 120.0
160 46.9 35.9 53.9



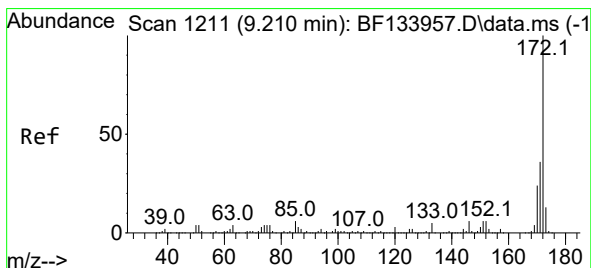
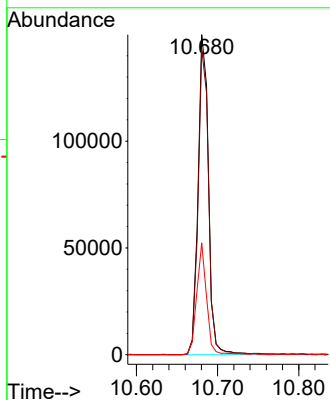
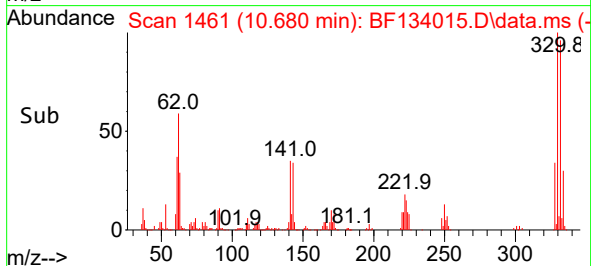


#42
2,4,6-Tribromophenol
Concen: 58.237 ng
RT: 10.680 min Scan# 1461
Delta R.T. -0.006 min
Lab File: BF134015.D
Acq: 28 Jun 2023 05:53

Instrument :
BNA_F
ClientSampleId :
SB-01-COMP

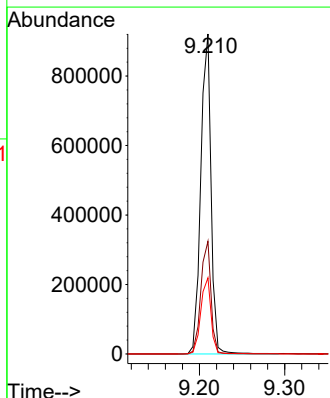
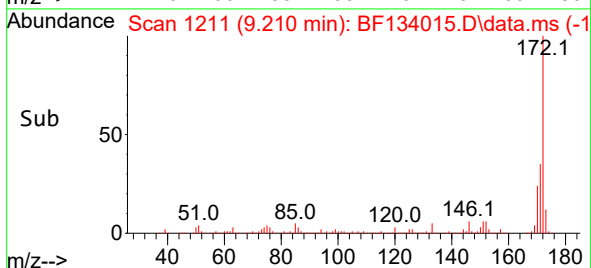
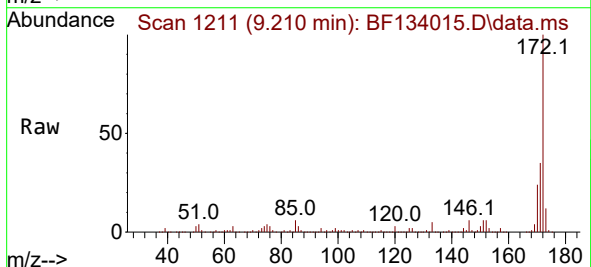


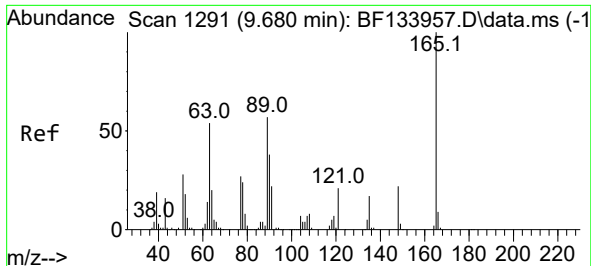
Tgt Ion:330 Resp: 134994
Ion Ratio Lower Upper
330 100
332 95.8 77.0 115.6
141 32.9 26.3 39.5



#45
2-Fluorobiphenyl
Concen: 60.633 ng
RT: 9.210 min Scan# 1211
Delta R.T. -0.000 min
Lab File: BF134015.D
Acq: 28 Jun 2023 05:53

Tgt Ion:172 Resp: 771018
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: 8.277 ng

RT: 9.886 min Scan# 11

Delta R.T. 0.206 min

Lab File: BF134015.D

Acq: 28 Jun 2023 05:53

Instrument :

BNA_F

ClientSampleId :

SB-01-COMP

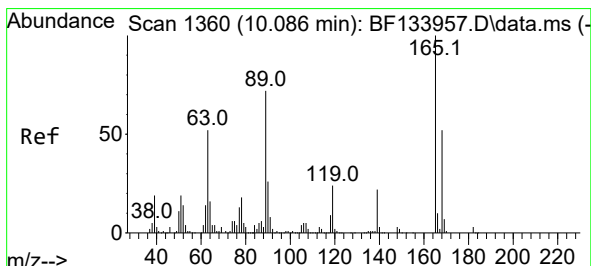
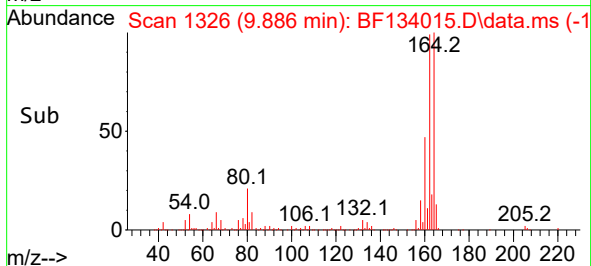
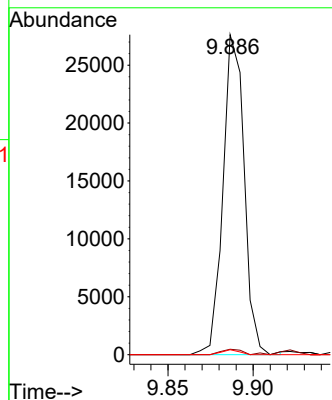
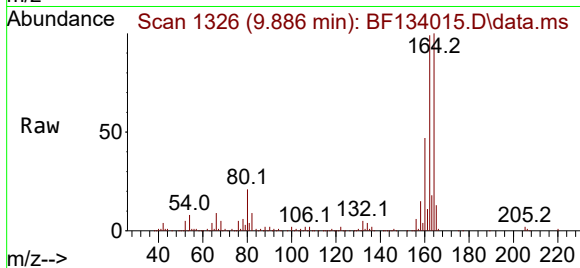
Tgt Ion:165 Resp: 23925

Ion Ratio Lower Upper

165 100

63 1.7 48.5 72.7#

89 1.5 45.5 68.3#



#57

2,4-Dinitrotoluene

Concen: 6.267 ng

RT: 9.886 min Scan# 1326

Delta R.T. -0.200 min

Lab File: BF134015.D

Acq: 28 Jun 2023 05:53

Tgt Ion:165 Resp: 23925

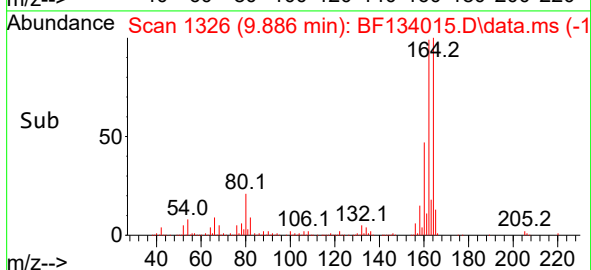
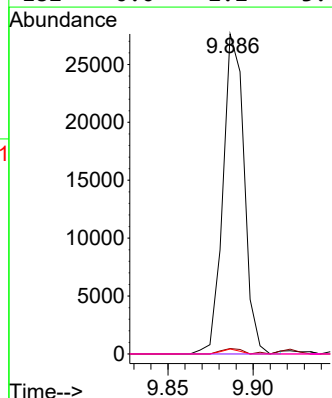
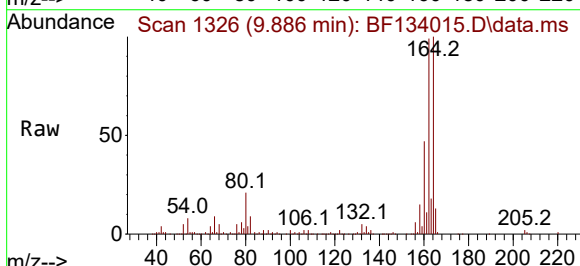
Ion Ratio Lower Upper

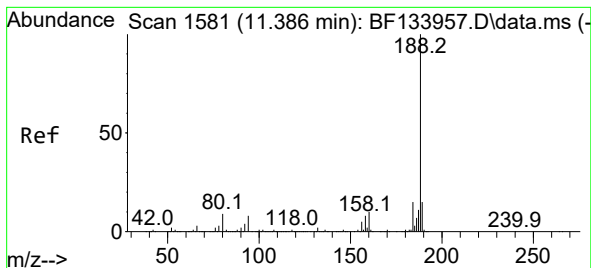
165 100

63 1.7 42.2 63.2#

89 1.5 57.4 86.2#

182 0.0 2.2 3.4#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.386 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF134015.D

Acq: 28 Jun 2023 05:53

Instrument :

BNA_F

ClientSampleId :

SB-01-COMP

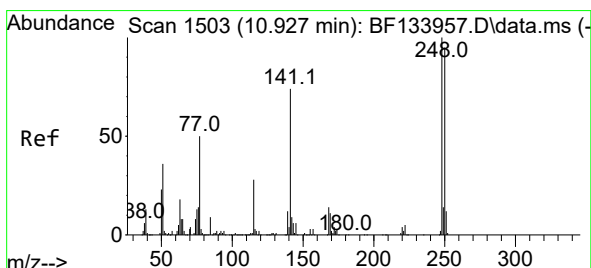
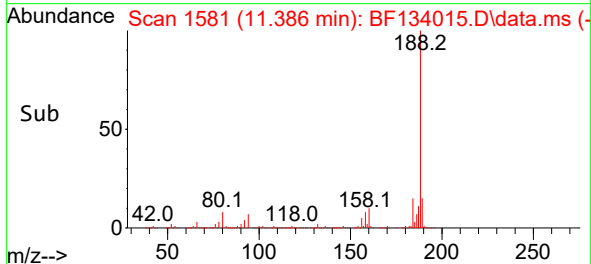
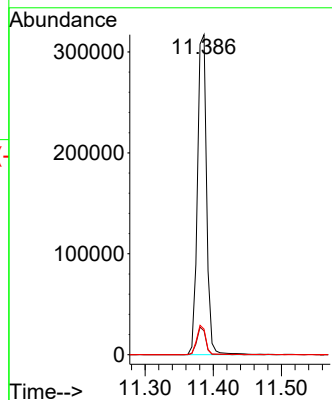
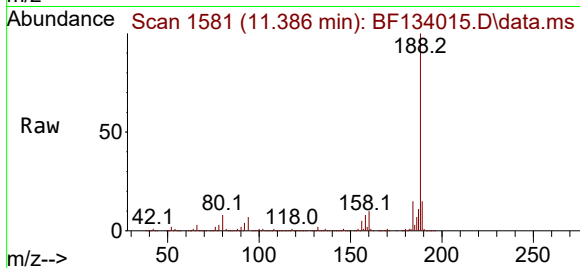
Tgt Ion:188 Resp: 293742

Ion Ratio Lower Upper

188 100

94 7.4 6.4 9.6

80 8.0 7.3 10.9



#67

4-Bromophenyl-phenylether

Concen: 2.508 ng

RT: 10.680 min Scan# 1461

Delta R.T. -0.247 min

Lab File: BF134015.D

Acq: 28 Jun 2023 05:53

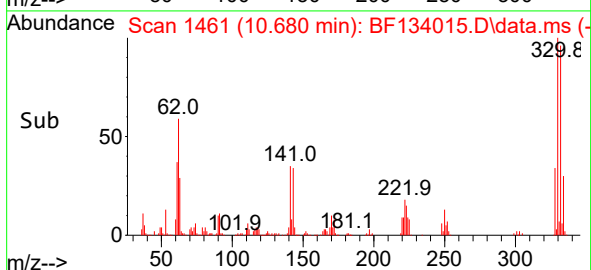
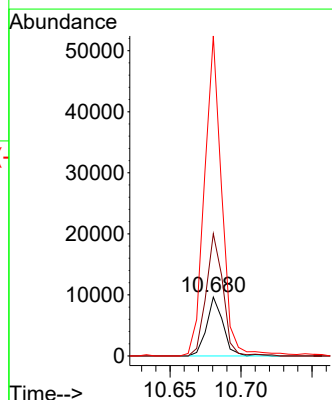
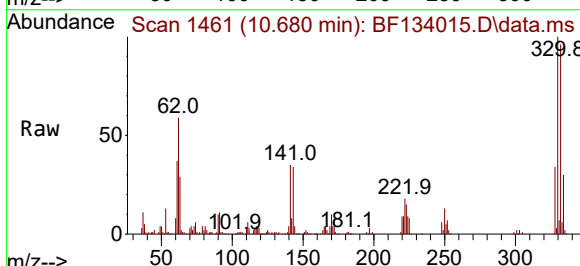
Tgt Ion:248 Resp: 7830

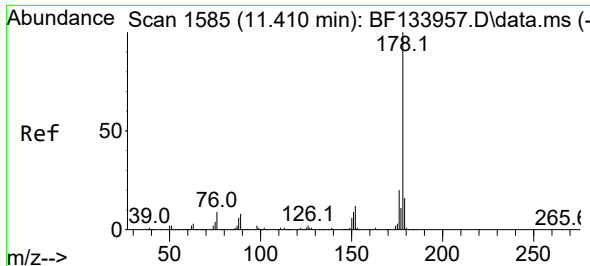
Ion Ratio Lower Upper

248 100

250 207.9 76.2 114.4#

141 544.0 59.0 88.4#

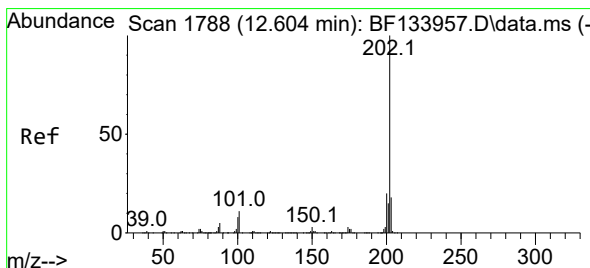
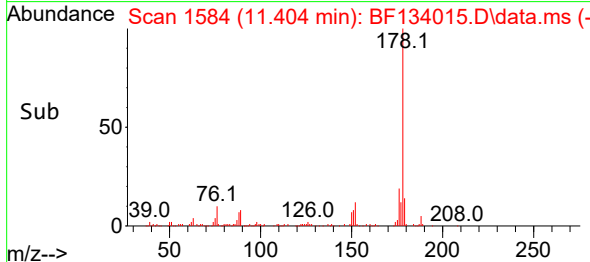
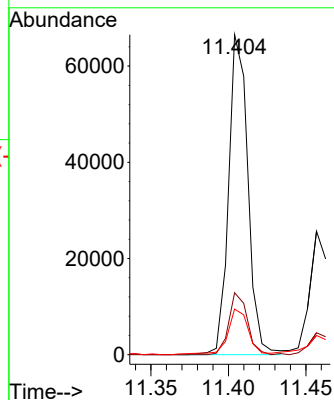
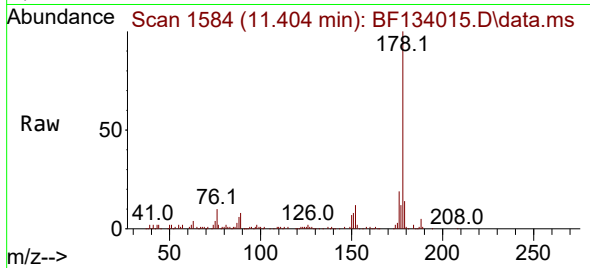




#71
Phenanthrene
Concen: 3.894 ng
RT: 11.404 min Scan# 1584
Delta R.T. -0.006 min
Lab File: BF134015.D
Acq: 28 Jun 2023 05:53

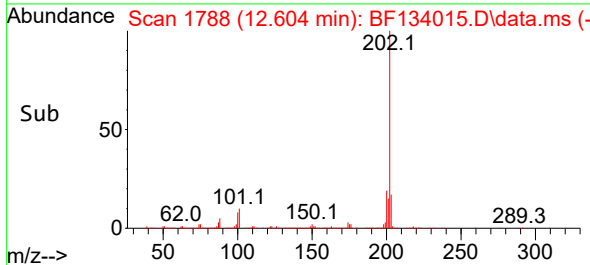
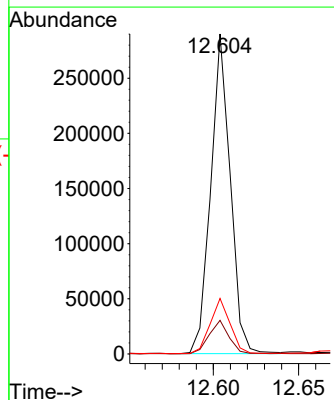
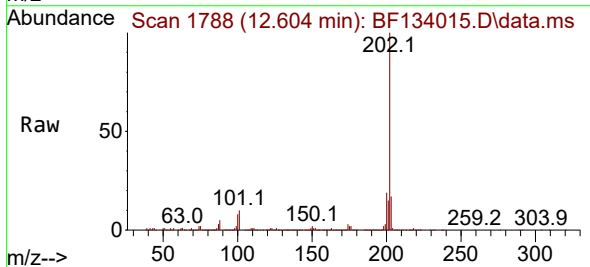
Instrument :
BNA_F
ClientSampleId :
SB-01-COMP

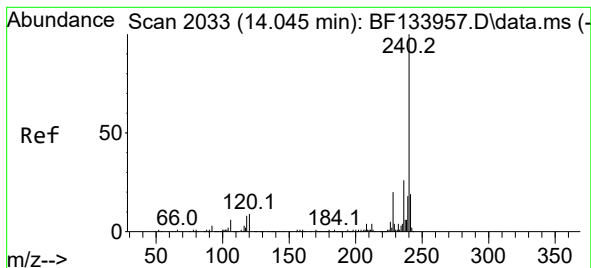
Tgt Ion:178 Resp: 57588
Ion Ratio Lower Upper
178 100
176 19.4 16.0 24.0
179 14.2 12.4 18.6



#75
Fluoranthene
Concen: 14.489 ng
RT: 12.604 min Scan# 1788
Delta R.T. 0.000 min
Lab File: BF134015.D
Acq: 28 Jun 2023 05:53

Tgt Ion:202 Resp: 231629
Ion Ratio Lower Upper
202 100
101 10.5 0.0 31.0
203 17.3 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: BF134015.D

Acq: 28 Jun 2023 05:53

Instrument :

BNA_F

ClientSampleId :

SB-01-COMP

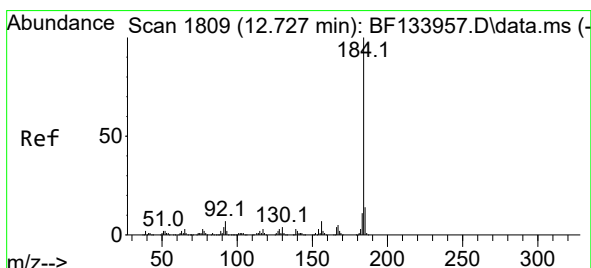
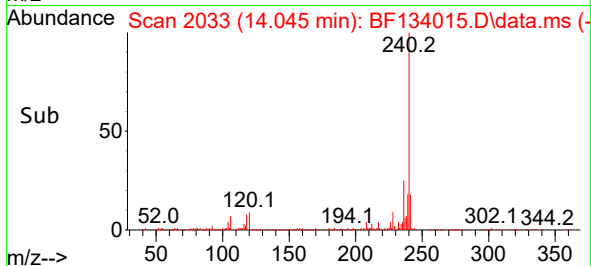
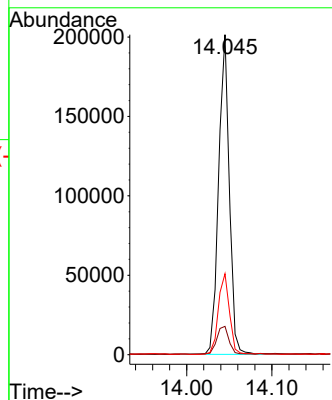
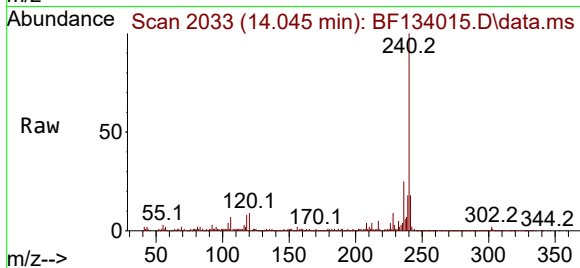
Tgt Ion:240 Resp: 175291

Ion Ratio Lower Upper

240 100

120 8.9 7.4 11.0

236 25.3 21.0 31.6



#77

Benzidine

Concen: 2.591 ng

RT: 12.980 min Scan# 1852

Delta R.T. 0.253 min

Lab File: BF134015.D

Acq: 28 Jun 2023 05:53

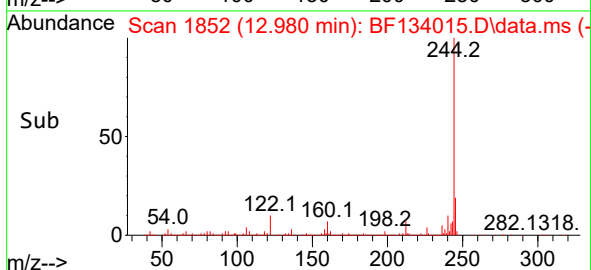
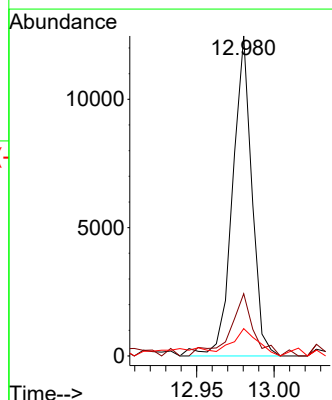
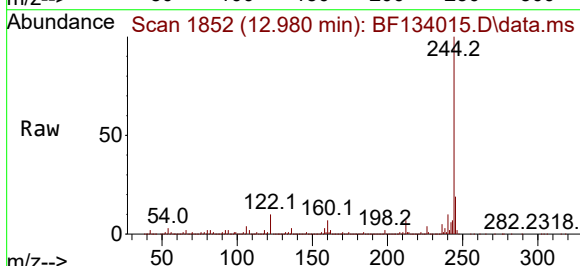
Tgt Ion:184 Resp: 10808

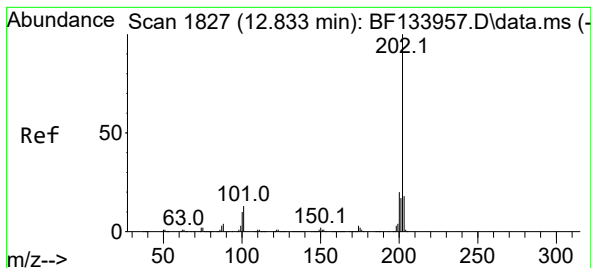
Ion Ratio Lower Upper

184 100

185 19.4 11.6 17.4#

183 8.5 8.8 13.2#





#78

Pyrene

Concen: 14.034 ng

RT: 12.833 min Scan# 1827

Delta R.T. 0.000 min

Lab File: BF134015.D

Acq: 28 Jun 2023 05:53

Instrument :

BNA_F

ClientSampleId :

SB-01-COMP

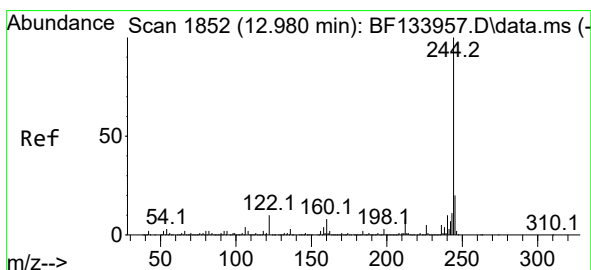
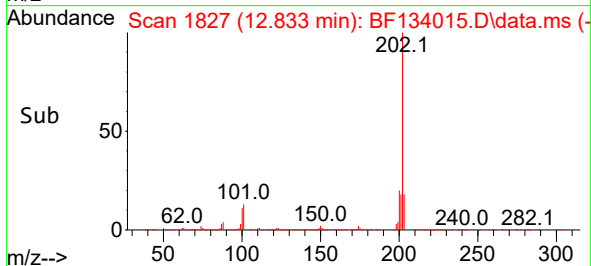
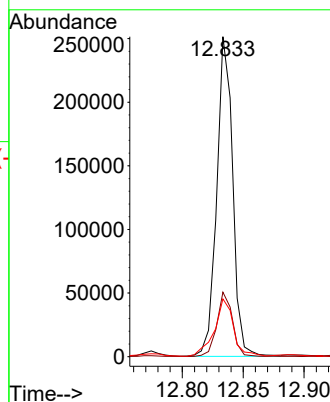
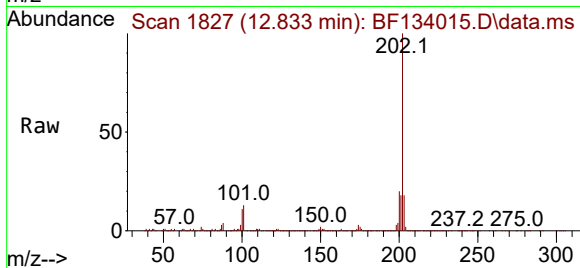
Tgt Ion:202 Resp: 228941

Ion Ratio Lower Upper

202 100

200 20.2 16.1 24.1

203 18.0 14.3 21.5



#79

Terphenyl-d14

Concen: 64.854 ng

RT: 12.980 min Scan# 1852

Delta R.T. 0.000 min

Lab File: BF134015.D

Acq: 28 Jun 2023 05:53

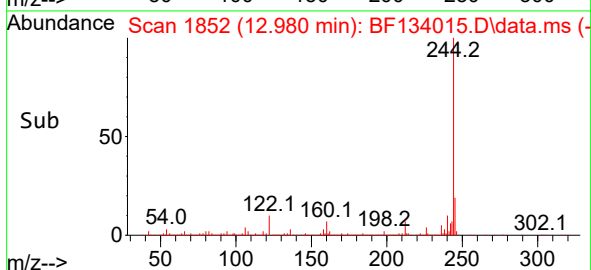
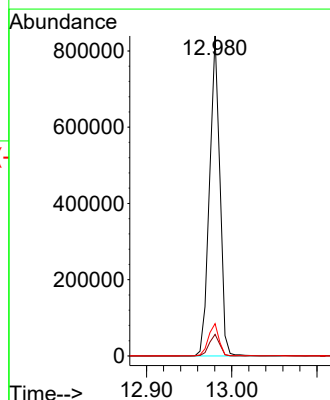
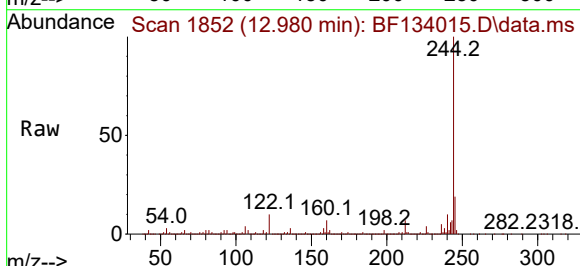
Tgt Ion:244 Resp: 706361

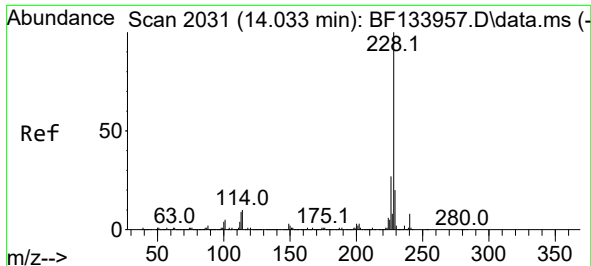
Ion Ratio Lower Upper

244 100

212 6.7 6.0 9.0

122 10.1 8.3 12.5

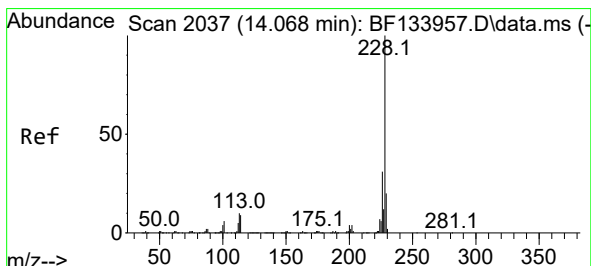
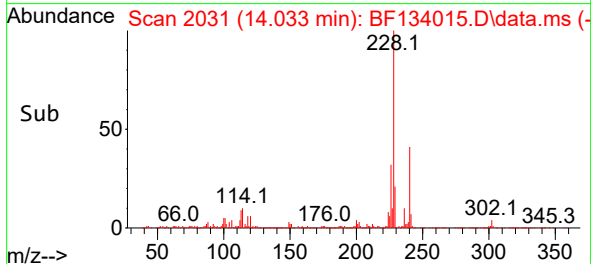
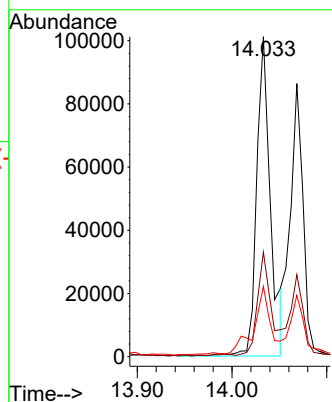
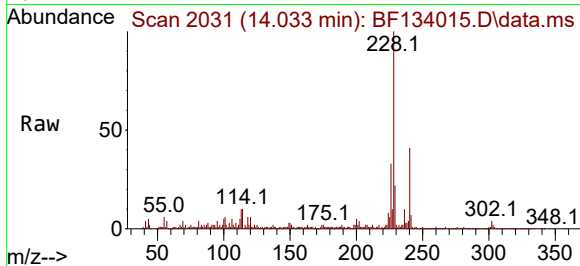




#81
Benzo(a)anthracene
Concen: 8.368 ng
RT: 14.033 min Scan# 2031
Delta R.T. 0.000 min
Lab File: BF134015.D
Acq: 28 Jun 2023 05:53

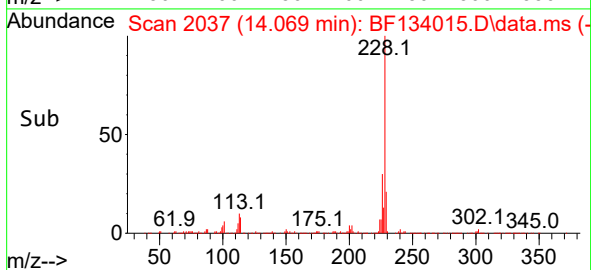
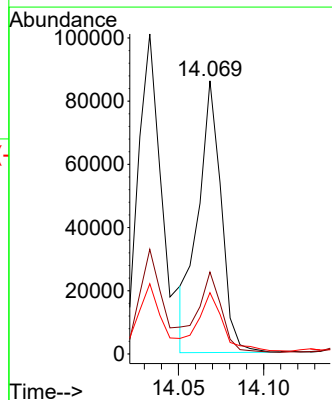
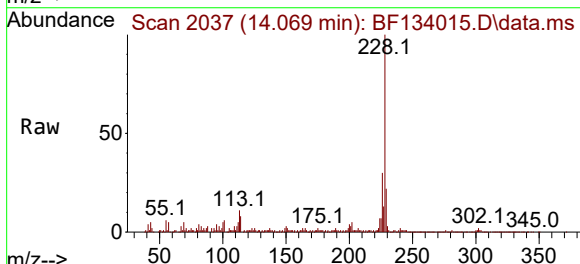
Instrument :
BNA_F
ClientSampleId :
SB-01-COMP

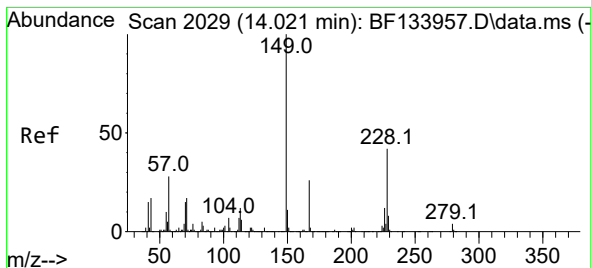
Tgt Ion:228 Resp: 101733
Ion Ratio Lower Upper
228 100
226 32.7 22.0 33.0
229 21.9 16.3 24.5



#83
Chrysene
Concen: 6.889 ng
RT: 14.069 min Scan# 2037
Delta R.T. 0.000 min
Lab File: BF134015.D
Acq: 28 Jun 2023 05:53

Tgt Ion:228 Resp: 81121
Ion Ratio Lower Upper
228 100
226 30.0 24.4 36.6
229 22.4 16.1 24.1

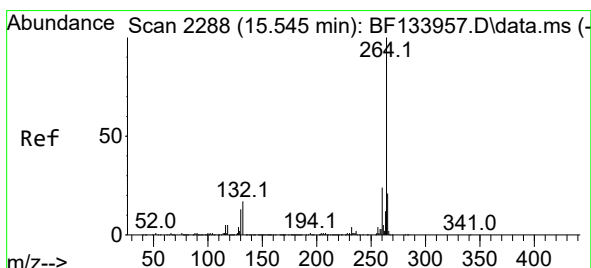
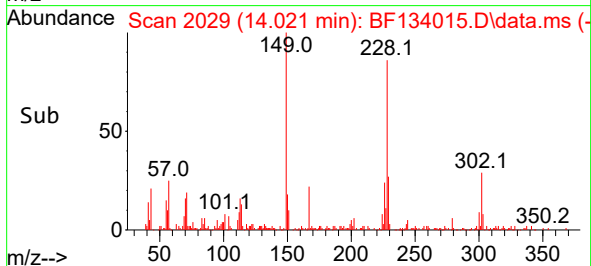
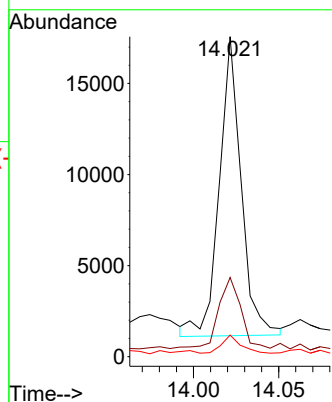
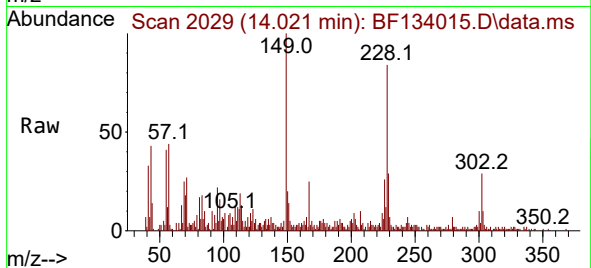




#84
 Bis(2-ethylhexyl)phthalate
 Concen: 2.090 ng
 RT: 14.021 min Scan# 2029
 Delta R.T. 0.000 min
 Lab File: BF134015.D
 Acq: 28 Jun 2023 05:53

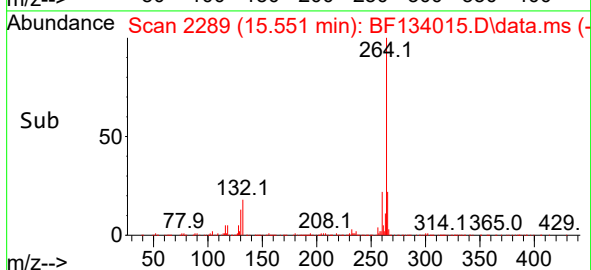
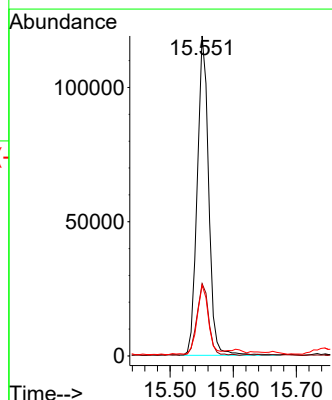
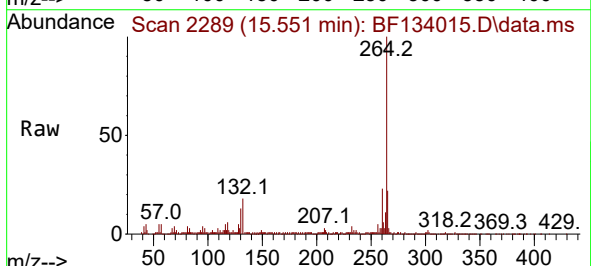
Instrument :
 BNA_F
 ClientSampleId :
 SB-01-COMP

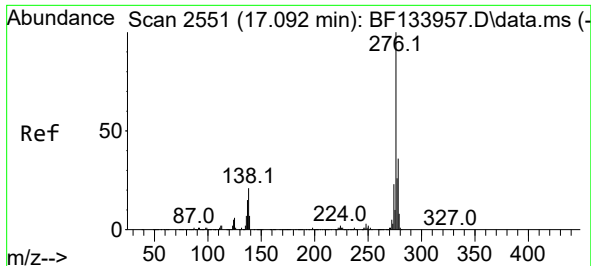
Tgt Ion:149 Resp: 14691
 Ion Ratio Lower Upper
 149 100
 167 24.8 21.0 31.4
 279 6.7 3.3 4.9#



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.551 min Scan# 2289
 Delta R.T. 0.006 min
 Lab File: BF134015.D
 Acq: 28 Jun 2023 05:53

Tgt Ion:264 Resp: 149853
 Ion Ratio Lower Upper
 264 100
 260 22.6 19.5 29.3
 265 22.1 16.6 25.0





#87
Indeno(1,2,3-cd)pyrene
Concen: 3.899 ng
RT: 17.092 min Scan# 2551
Delta R.T. 0.000 min
Lab File: BF134015.D
Acq: 28 Jun 2023 05:53

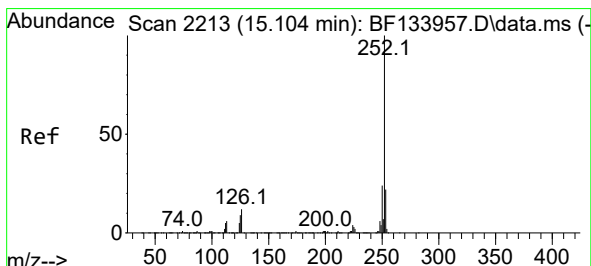
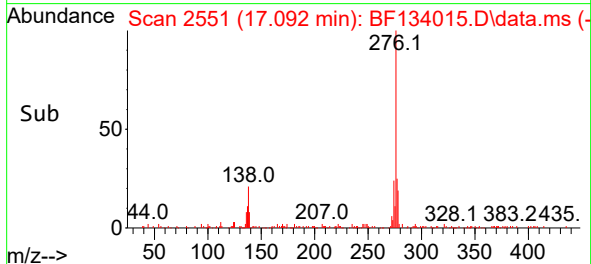
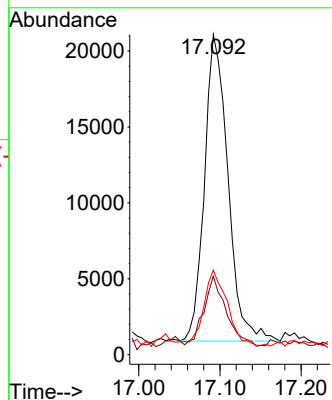
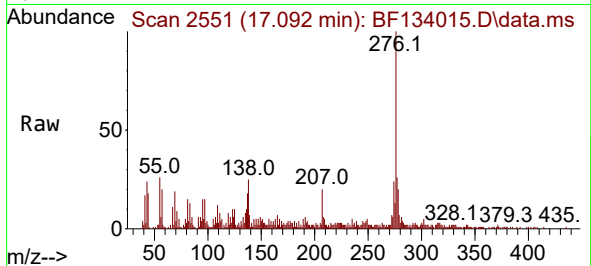
Instrument :

BNA_F

ClientSampleId :

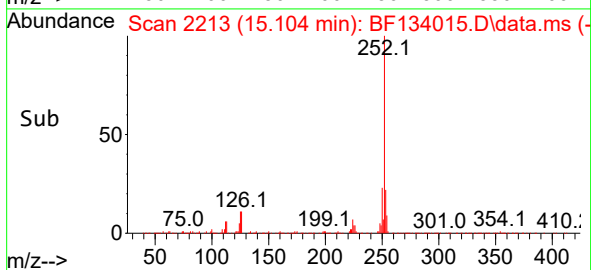
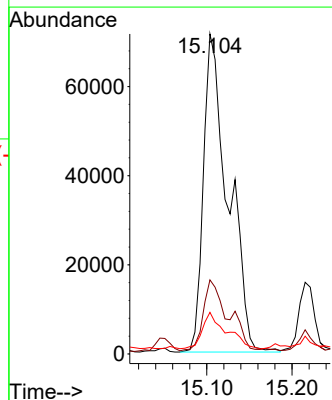
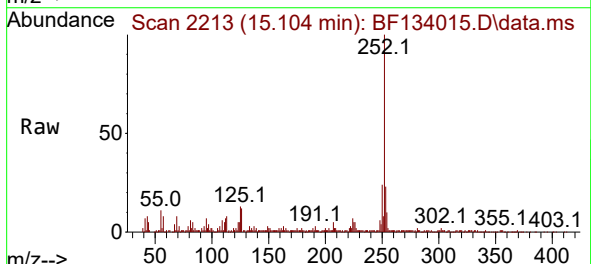
SB-01-COMP

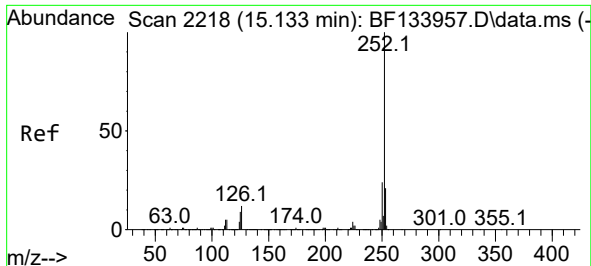
Tgt Ion:276 Resp: 40539
Ion Ratio Lower Upper
276 100
138 21.5 18.7 28.1
277 24.1 19.9 29.9



#88
Benzo(b)fluoranthene
Concen: 16.334 ng
RT: 15.104 min Scan# 2213
Delta R.T. 0.000 min
Lab File: BF134015.D
Acq: 28 Jun 2023 05:53

Tgt Ion:252 Resp: 143930
Ion Ratio Lower Upper
252 100
253 23.2 17.4 26.0
125 13.0 7.1 10.7#





#89

Benzo(k)fluoranthene

Concen: 16.043 ng

RT: 15.104 min Scan# 21

Delta R.T. -0.029 min

Lab File: BF134015.D

Acq: 28 Jun 2023 05:53

Instrument :

BNA_F

ClientSampleId :

SB-01-COMP

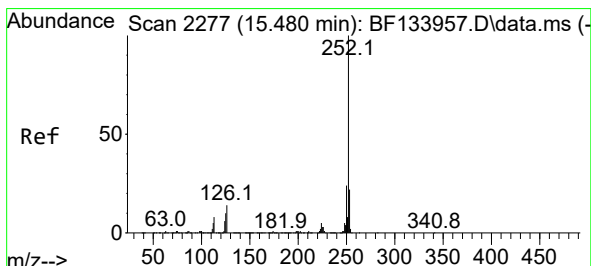
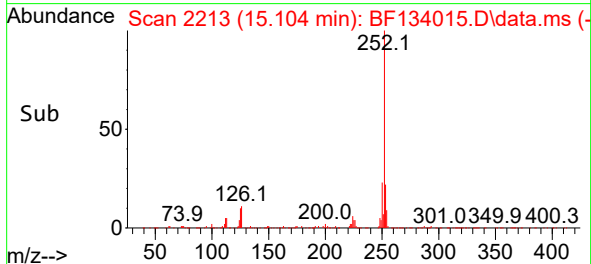
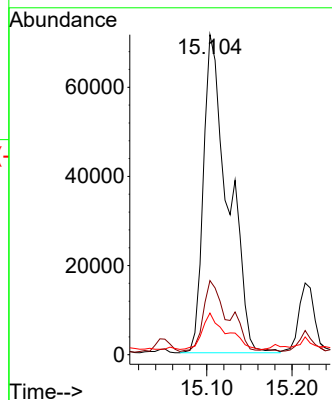
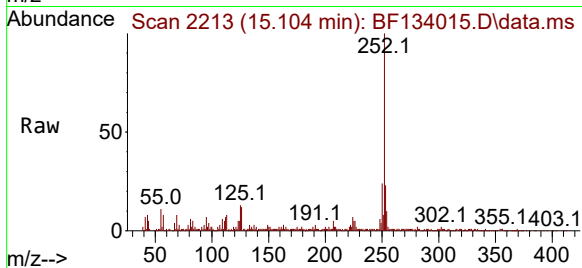
Tgt Ion:252 Resp: 143930

Ion Ratio Lower Upper

252 100

253 23.2 16.9 25.3

125 13.0 7.4 11.2#



#90

Benzo(a)pyrene

Concen: 8.223 ng

RT: 15.486 min Scan# 2278

Delta R.T. 0.006 min

Lab File: BF134015.D

Acq: 28 Jun 2023 05:53

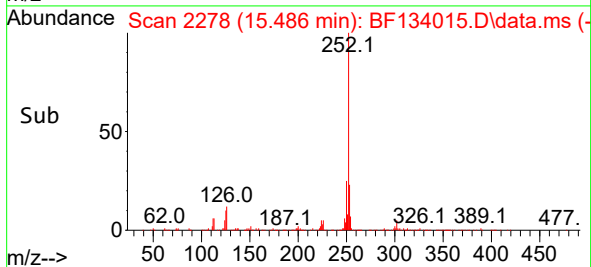
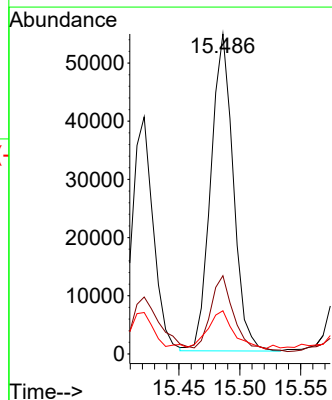
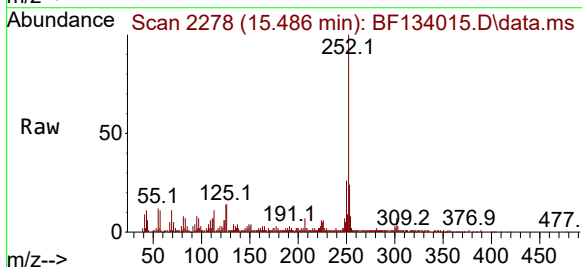
Tgt Ion:252 Resp: 70064

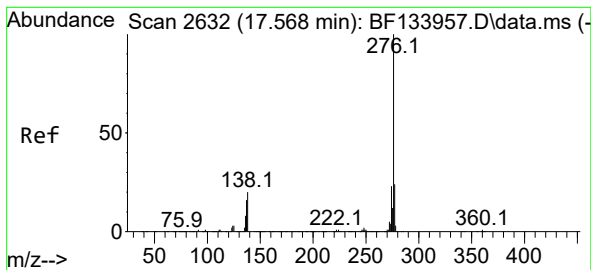
Ion Ratio Lower Upper

252 100

253 24.5 17.4 26.0

125 13.5 8.4 12.6#





#92

Benzo(g,h,i)perylene

Concen: 4.588 ng

RT: 17.568 min Scan# 20

Delta R.T. 0.000 min

Lab File: BF134015.D

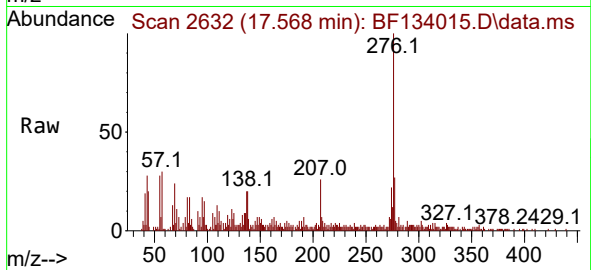
Acq: 28 Jun 2023 05:53

Instrument :

BNA_F

ClientSampleId :

SB-01-COMP



Tgt Ion:276 Resp: 40187

Ion Ratio Lower Upper

276 100

277 26.6 19.0 28.6

138 19.6 16.2 24.2

