

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062923\
 Data File : BF134049.D
 Acq On : 29 Jun 2023 21:59
 Operator : CG\JU
 Sample : 03362-14 4X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMPOSIT-SB-19-20

Quant Time: Jun 30 05:14:57 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

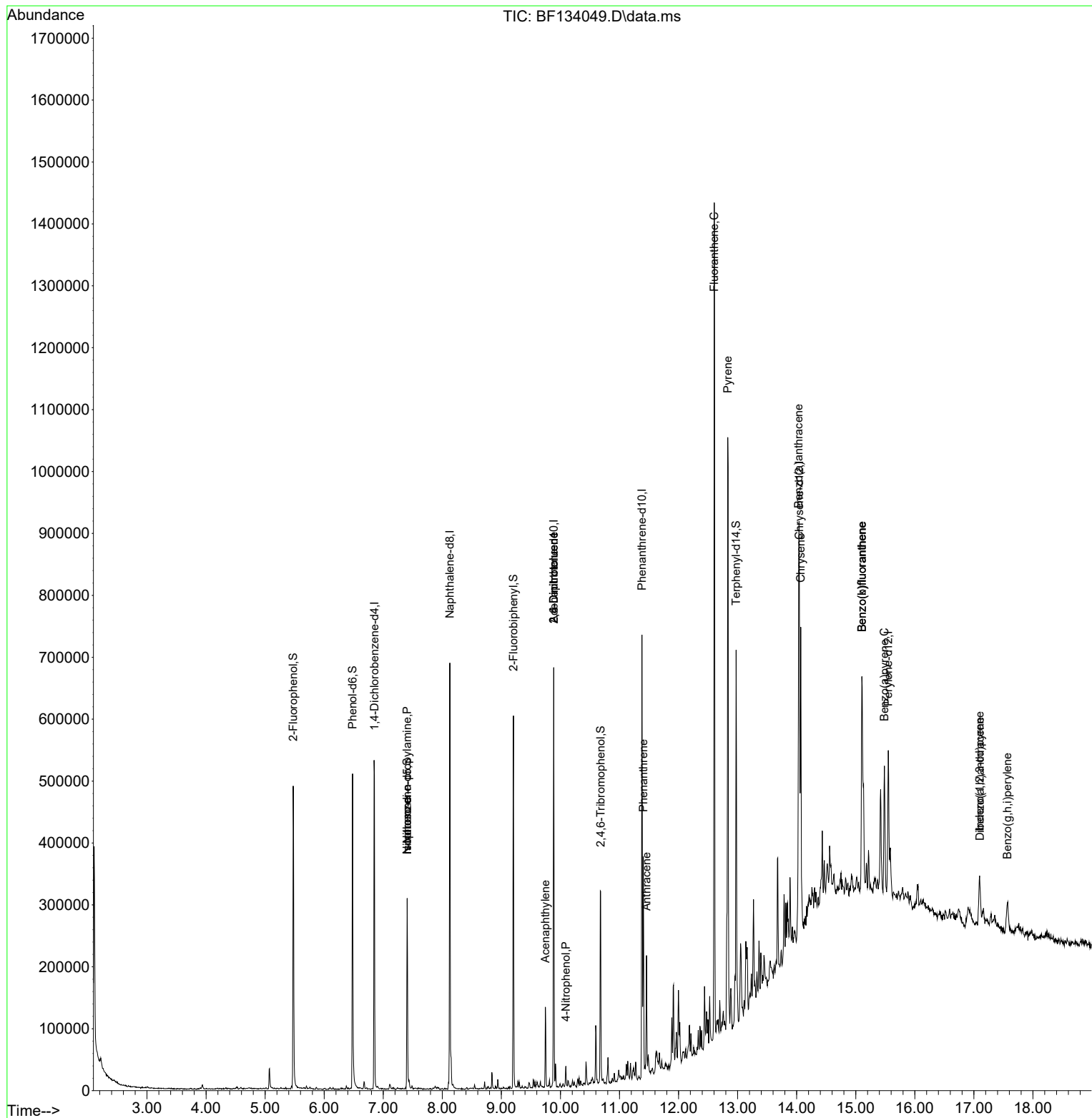
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.851	152	80427	20.000	ng	0.00
21) Naphthalene-d8	8.128	136	270003	20.000	ng	0.00
39) Acenaphthene-d10	9.886	164	120065	20.000	ng	0.00
64) Phenanthrene-d10	11.380	188	245518	20.000	ng	0.00
76) Chrysene-d12	14.045	240	137951	20.000	ng	0.00
86) Perylene-d12	15.551	264	118301	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.475	112	136037	28.294	ng	0.00
7) Phenol-d6	6.481	99	145876	24.671	ng	-0.01
23) Nitrobenzene-d5	7.404	82	88361	17.641	ng	-0.01
42) 2,4,6-Tribromophenol	10.680	330	36880	24.499	ng	0.00
45) 2-Fluorobiphenyl	9.204	172	169978	20.583	ng	0.00
79) Terphenyl-d14	12.974	244	194360	22.675	ng	0.00
Target Compounds						
9) Benzaldehyde	6.410	77	285	Below Cal		Qvalue
19) n-Nitroso-di-n-propyla...	7.404	70	12418	3.312 ng	#	79
25) Isophorone	7.404	82	88360	9.706 ng	#	64
49) Acenaphthylene	9.745	152	53692	4.460 ng		97
51) 2,6-Dinitrotoluene	9.886	165	15579	8.299 ng	#	24
56) 4-Nitrophenol	10.092	139	4102	2.604 ng	#	5
57) 2,4-Dinitrotoluene	9.886	165	15579	6.284 ng	#	23
71) Phenanthrene	11.404	178	116402	9.418 ng		98
72) Anthracene	11.457	178	73538	5.720 ng		99
75) Fluoranthene	12.604	202	526369	39.393 ng		99
78) Pyrene	12.833	202	432121	33.659 ng		98
81) Benzo(a)anthracene	14.033	228	225062	23.524 ng		97
83) Chrysene	14.068	228	187227	20.205 ng		98
87) Indeno(1,2,3-cd)pyrene	17.098	276	59039	7.192 ng		96
88) Benzo(b)fluoranthene	15.104	252	265908	38.226 ng		97
89) Benzo(k)fluoranthene	15.104	252	265908	37.544 ng		97
90) Benzo(a)pyrene	15.486	252	110088	16.366 ng		97
91) Dibenzo(a,h)anthracene	17.103	278	15574	2.323 ng	#	89
92) Benzo(g,h,i)perylene	17.568	276	48294	6.985 ng	#	90

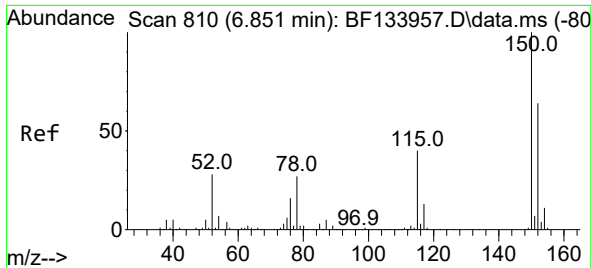
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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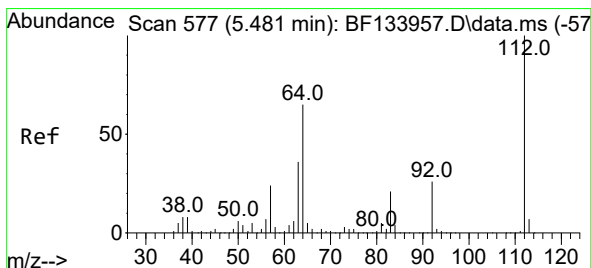
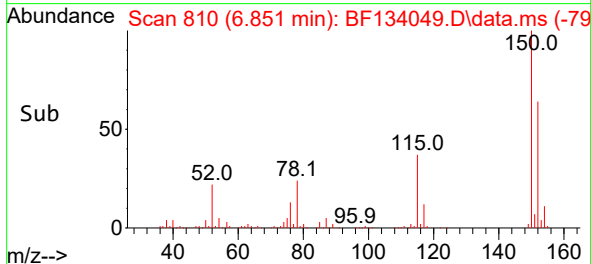
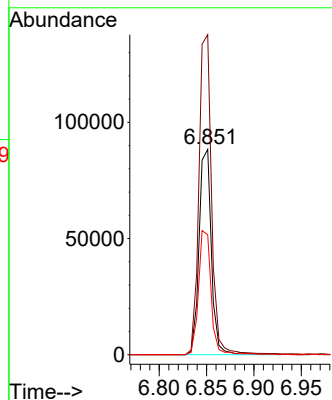
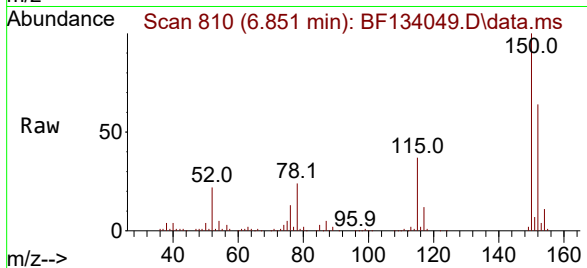




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.851 min Scan# 810
Delta R.T. 0.000 min
Lab File: BF134049.D
Acq: 29 Jun 2023 21:59

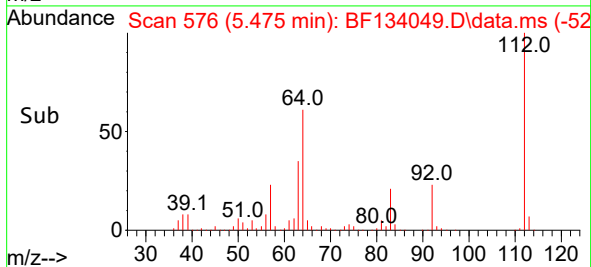
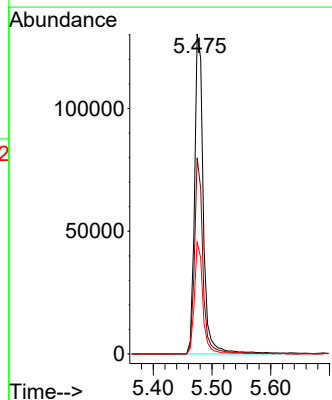
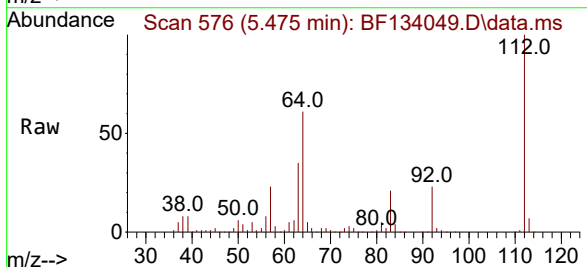
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-19-20

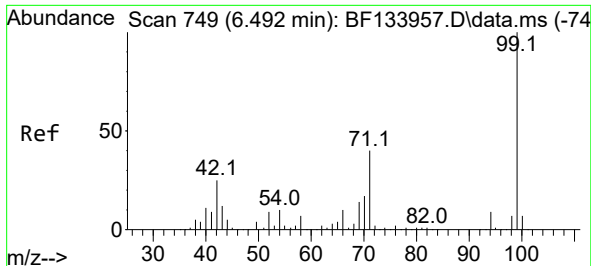
Tgt Ion:152 Resp: 80427
Ion Ratio Lower Upper
152 100
150 155.9 124.5 186.7
115 58.3 50.2 75.2



#5
2-Fluorophenol
Concen: 28.294 ng
RT: 5.475 min Scan# 576
Delta R.T. -0.006 min
Lab File: BF134049.D
Acq: 29 Jun 2023 21:59

Tgt Ion:112 Resp: 136037
Ion Ratio Lower Upper
112 100
64 61.3 52.1 78.1
63 34.9 28.6 42.8

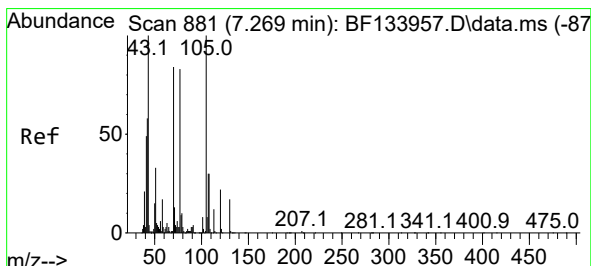
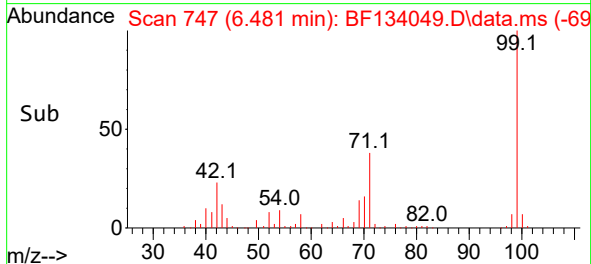
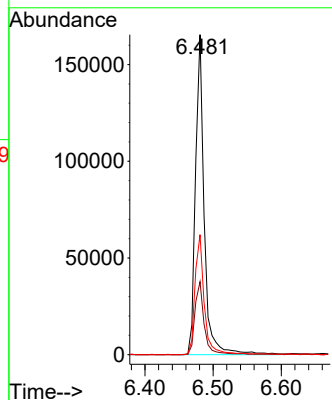
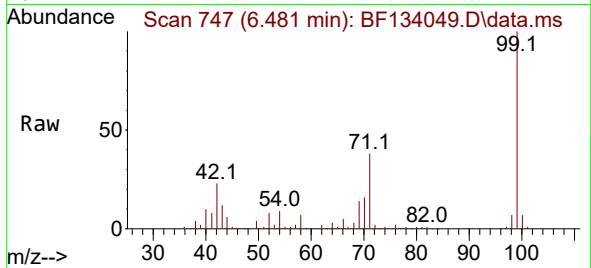




#7
Phenol-d6
Concen: 24.671 ng
RT: 6.481 min Scan# 74
Delta R.T. -0.012 min
Lab File: BF134049.D
Acq: 29 Jun 2023 21:59

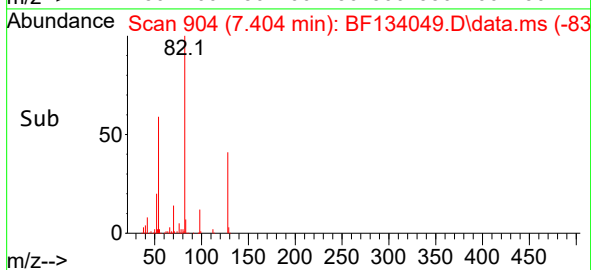
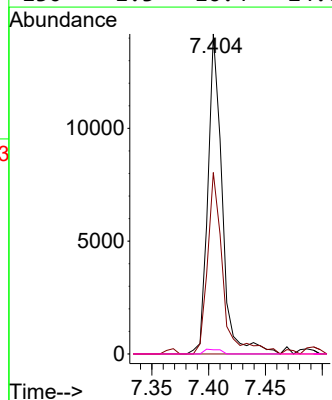
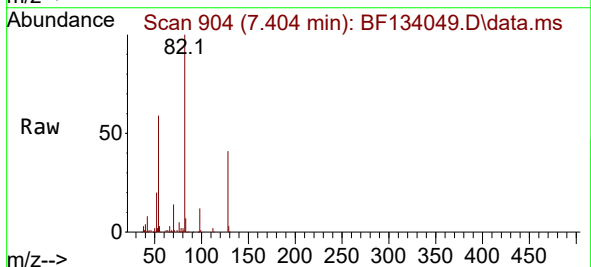
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-19-20

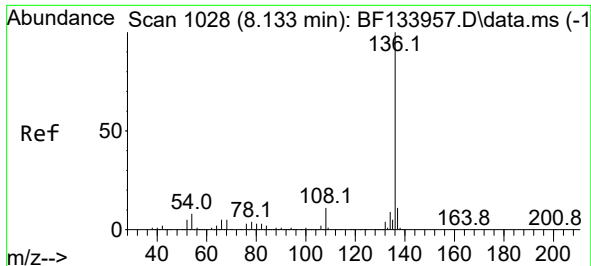
Tgt Ion: 99 Resp: 145876
Ion Ratio Lower Upper
99 100
42 22.8 19.8 29.6
71 37.5 31.9 47.9



#19
n-Nitroso-di-n-propylamine
Concen: 3.312 ng
RT: 7.404 min Scan# 904
Delta R.T. 0.135 min
Lab File: BF134049.D
Acq: 29 Jun 2023 21:59

Tgt Ion: 70 Resp: 12418
Ion Ratio Lower Upper
70 100
42 56.7 54.7 82.1
101 0.0 7.7 11.5#
130 1.3 16.4 24.6#



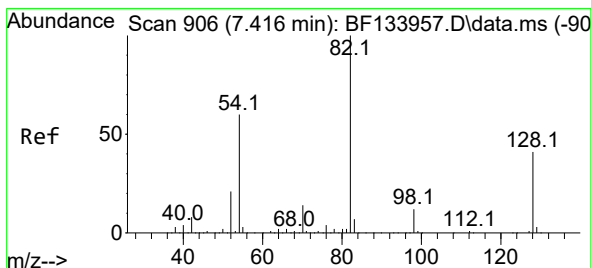
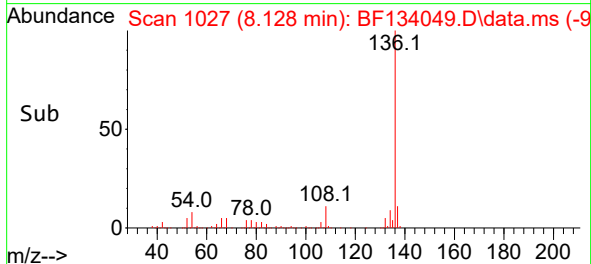
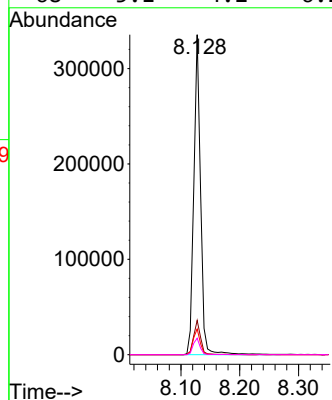
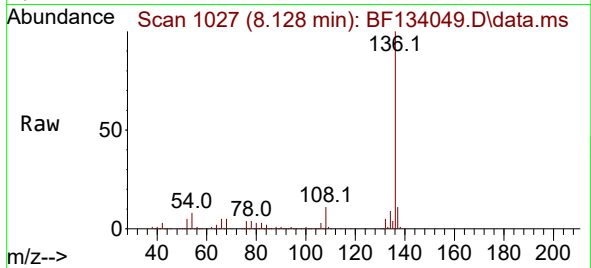


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.128 min Scan# 1028
Delta R.T. -0.006 min
Lab File: BF134049.D
Acq: 29 Jun 2023 21:59

Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-19-20

Tgt Ion:136 Resp: 270003

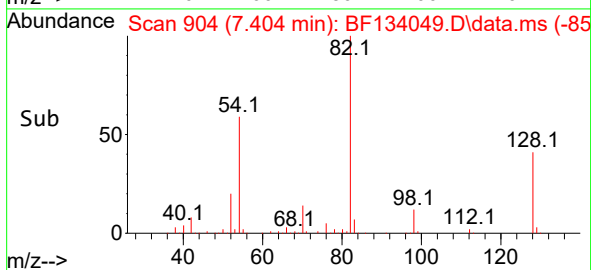
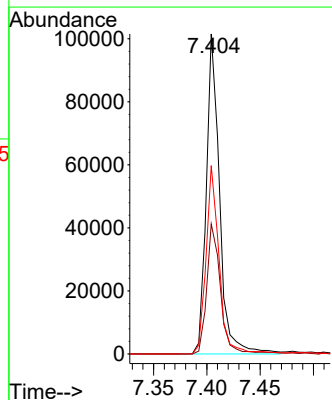
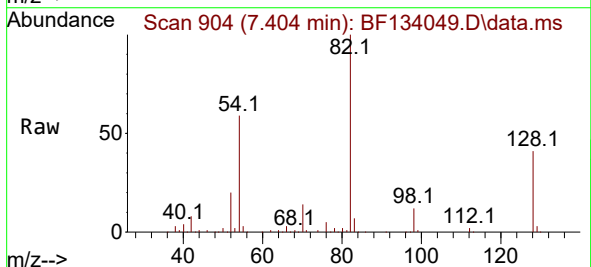
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.6	12.8
54	8.1	6.5	9.7
68	5.1	4.2	6.2



#23
Nitrobenzene-d5
Concen: 17.641 ng
RT: 7.404 min Scan# 904
Delta R.T. -0.012 min
Lab File: BF134049.D
Acq: 29 Jun 2023 21:59

Tgt Ion: 82 Resp: 88361

Ion	Ratio	Lower	Upper
82	100		
128	40.6	32.5	48.7
54	58.9	48.2	72.2

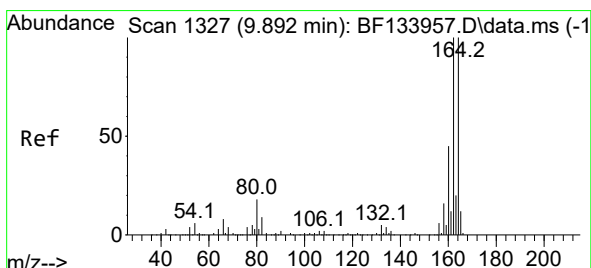
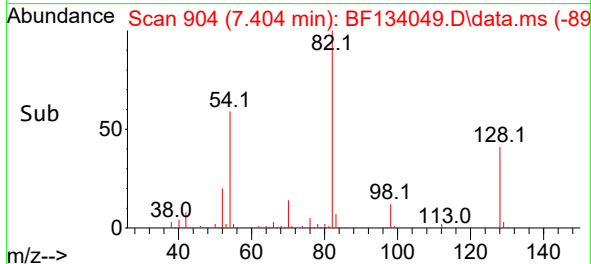
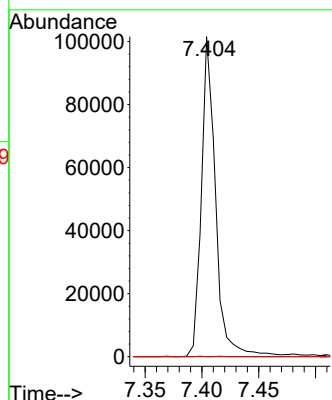
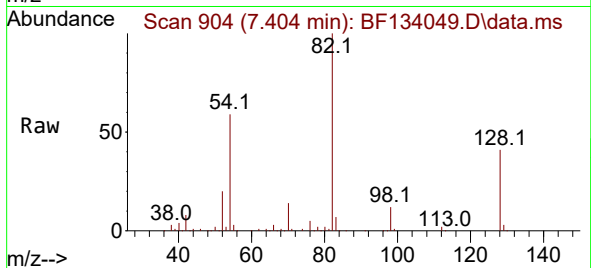




#25
Isophorone
Concen: 9.706 ng
RT: 7.404 min Scan# 90
Delta R.T. -0.271 min
Lab File: BF134049.D
Acq: 29 Jun 2023 21:59

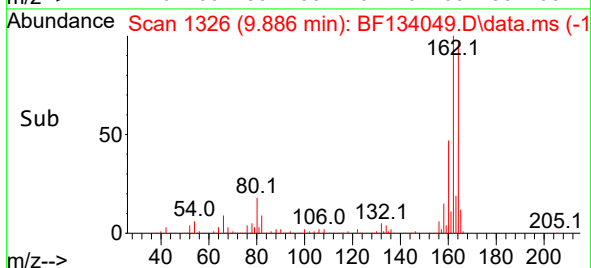
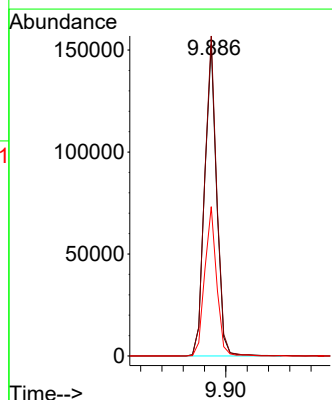
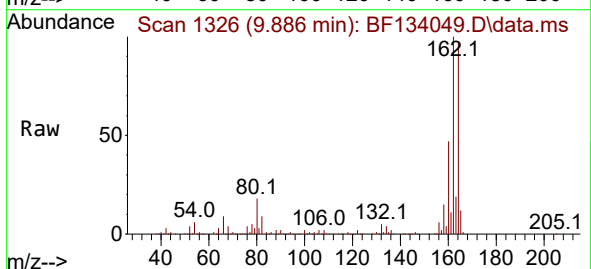
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-19-20

Tgt Ion: 82 Resp: 88360
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: BF134049.D
Acq: 29 Jun 2023 21:59

Tgt Ion:164 Resp: 120065
Ion Ratio Lower Upper
164 100
162 102.7 80.0 120.0
160 47.9 35.9 53.9





#42

2,4,6-Tribromophenol

Concen: 24.499 ng

RT: 10.680 min Scan# 1462

Delta R.T. -0.006 min

Lab File: BF134049.D

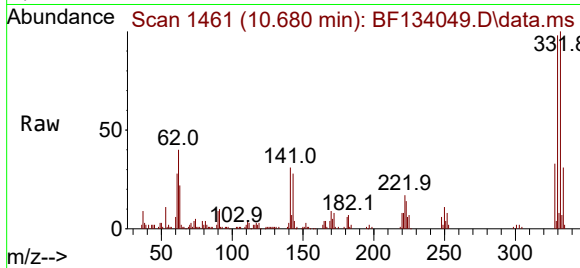
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Instrument :

BNA_F

ClientSampleId :

COMPOSIT-SB-19-20



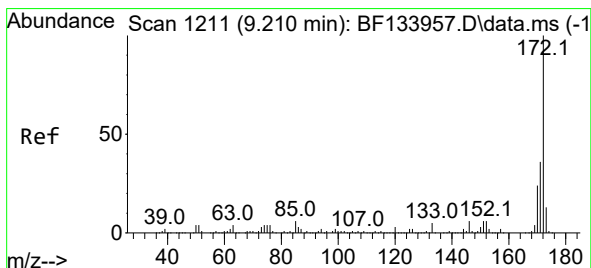
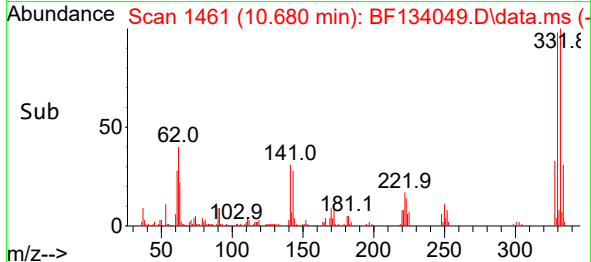
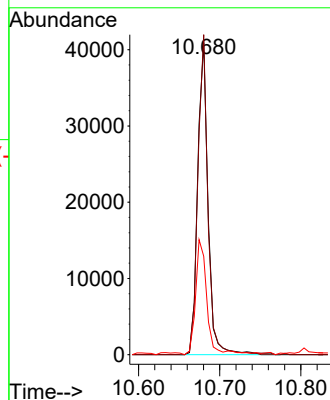
Tgt Ion:330 Resp: 36880

Ion Ratio Lower Upper

330 100

332 98.3 77.0 115.6

141 40.7 26.3 39.5#



#45

2-Fluorobiphenyl

Concen: 20.583 ng

RT: 9.204 min Scan# 1210

Delta R.T. -0.006 min

Lab File: BF134049.D

Acq: 29 Jun 2023 21:59

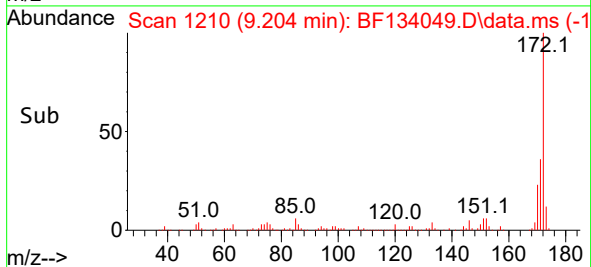
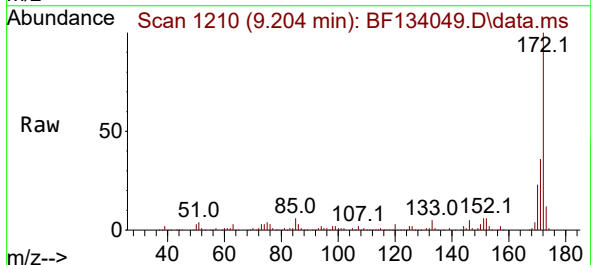
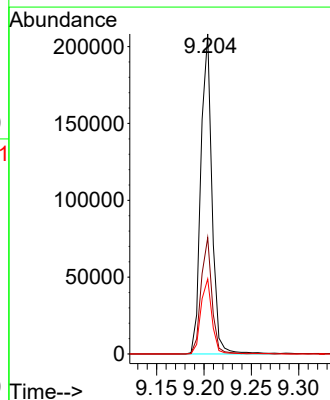
Tgt Ion:172 Resp: 169978

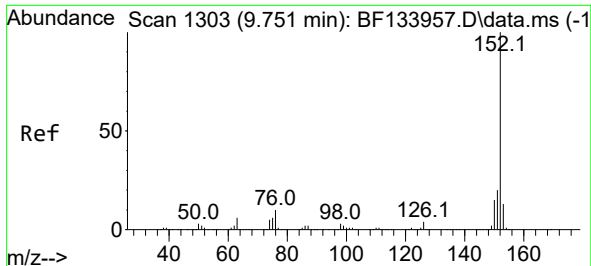
Ion Ratio Lower Upper

172 100

171 36.3 28.6 43.0

170 23.5 19.4 29.0





#49

Acenaphthylene

Concen: 4.460 ng

RT: 9.745 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF134049.D

Acq: 29 Jun 2023 21:59

Instrument :

BNA_F

ClientSampleId :

COMPOSIT-SB-19-20

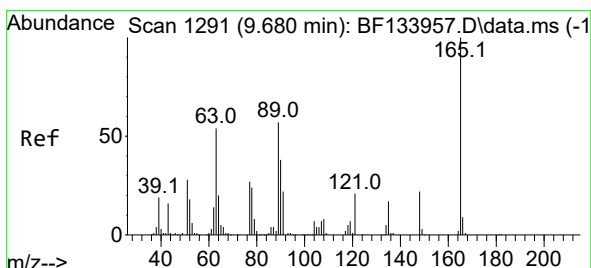
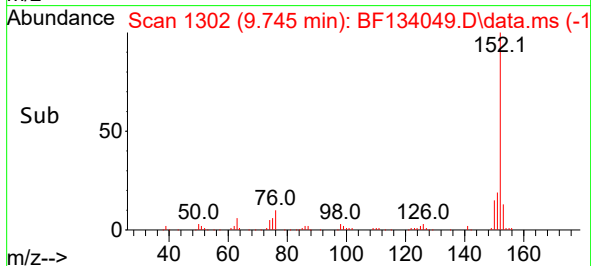
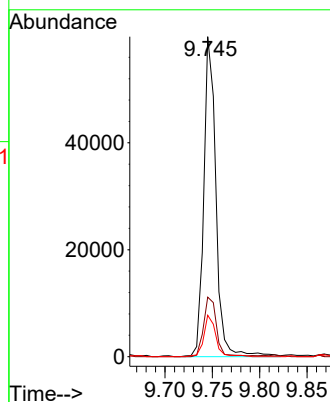
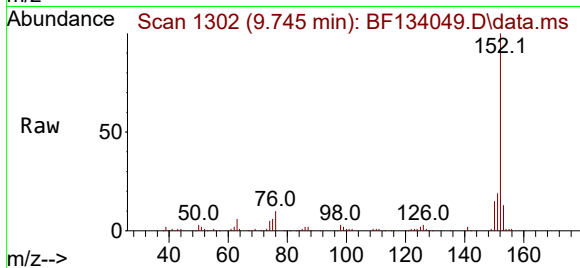
Tgt Ion:152 Resp: 53692

Ion Ratio Lower Upper

152 100

151 18.6 16.2 24.2

153 13.0 10.8 16.2



#51

2,6-Dinitrotoluene

Concen: 8.299 ng

RT: 9.886 min Scan# 1326

Delta R.T. 0.206 min

Lab File: BF134049.D

Acq: 29 Jun 2023 21:59

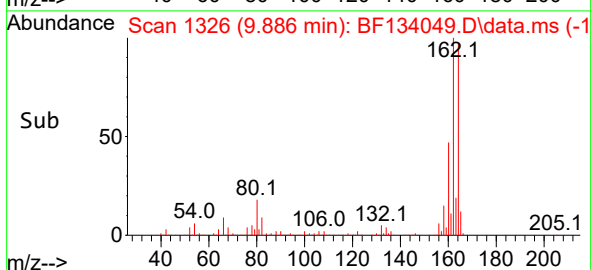
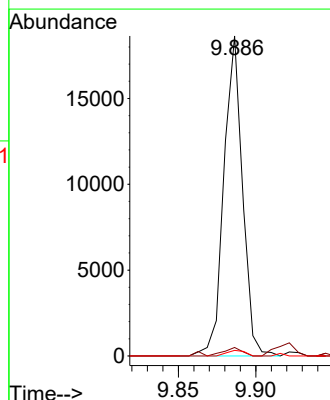
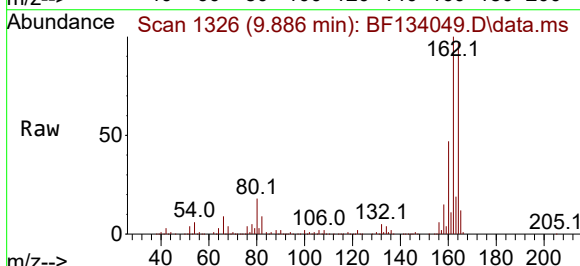
Tgt Ion:165 Resp: 15579

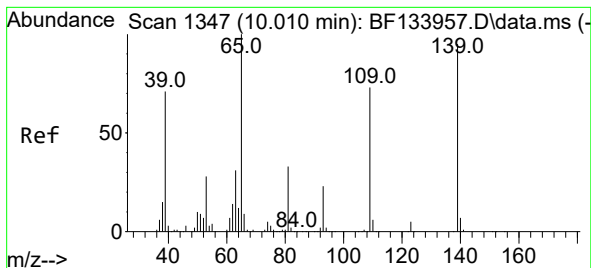
Ion Ratio Lower Upper

165 100

63 2.7 48.5 72.7#

89 1.7 45.5 68.3#





#56

4-Nitrophenol

Concen: 2.604 ng

RT: 10.092 min Scan# 1361

Delta R.T. 0.082 min

Lab File: BF134049.D

Acq: 29 Jun 2023 21:59

Instrument :

BNA_F

ClientSampleId :

COMPOSIT-SB-19-20

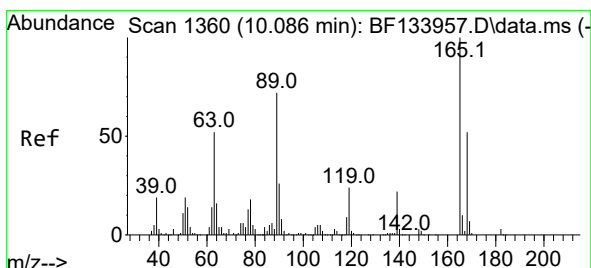
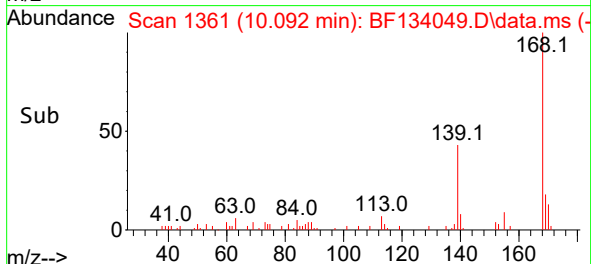
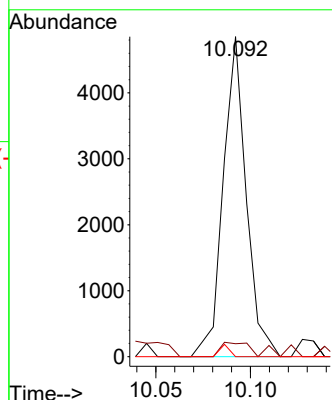
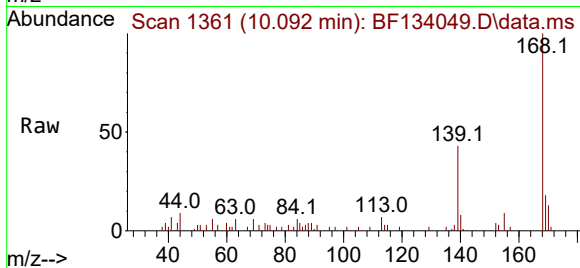
Tgt Ion:139 Resp: 4102

Ion Ratio Lower Upper

139 100

109 4.0 56.8 96.8#

65 0.0 86.1 126.1#



#57

2,4-Dinitrotoluene

Concen: 6.284 ng

RT: 9.886 min Scan# 1326

Delta R.T. -0.200 min

Lab File: BF134049.D

Acq: 29 Jun 2023 21:59

Tgt Ion:165 Resp: 15579

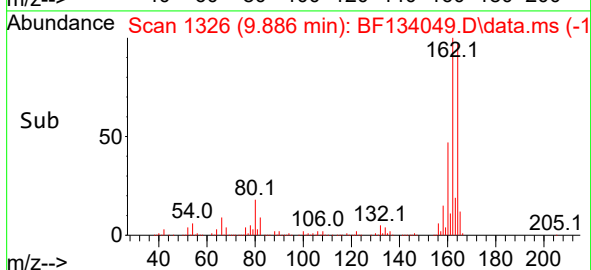
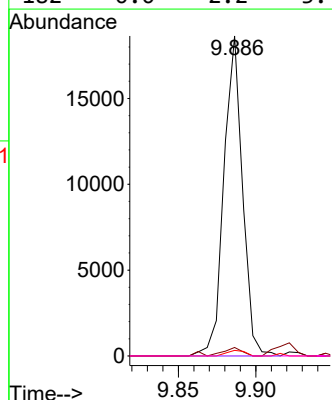
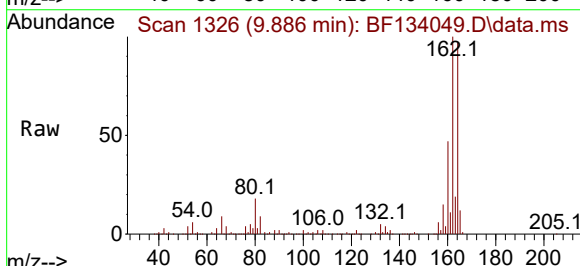
Ion Ratio Lower Upper

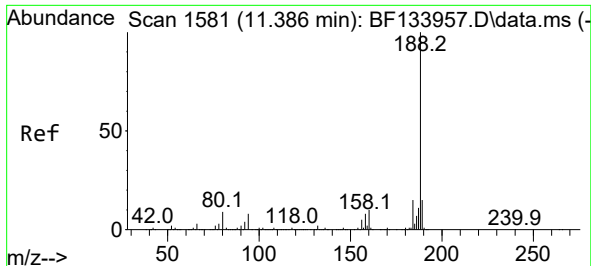
165 100

63 2.7 42.2 63.2#

89 1.7 57.4 86.2#

182 0.0 2.2 3.4#

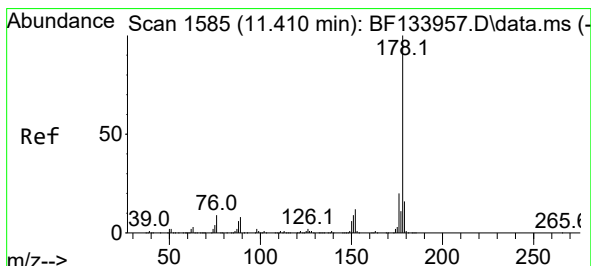
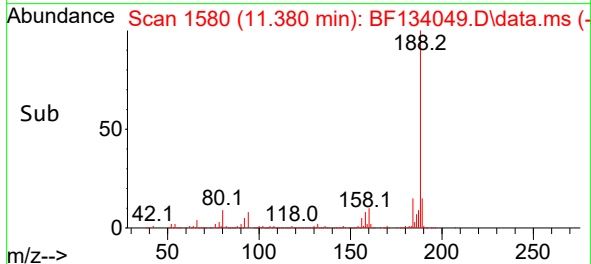
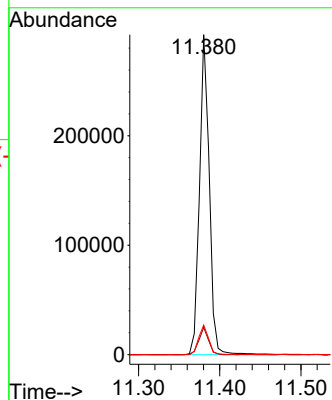
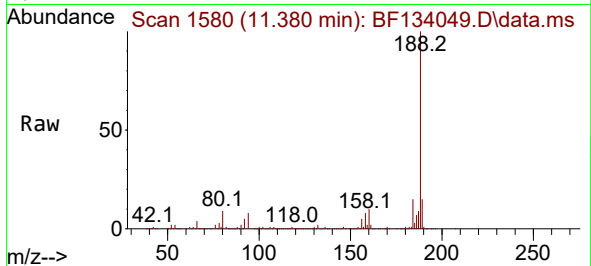




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.380 min Scan# 1581
Delta R.T. -0.006 min
Lab File: BF134049.D
Acq: 29 Jun 2023 21:59

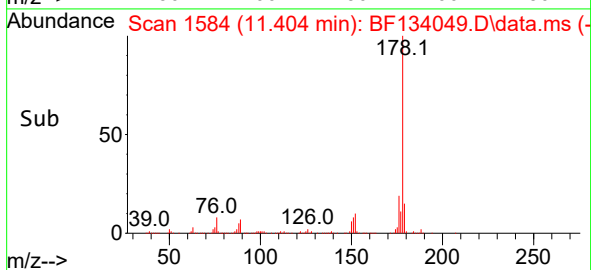
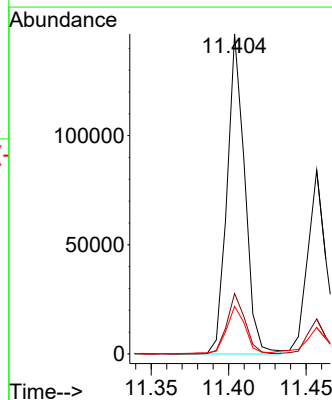
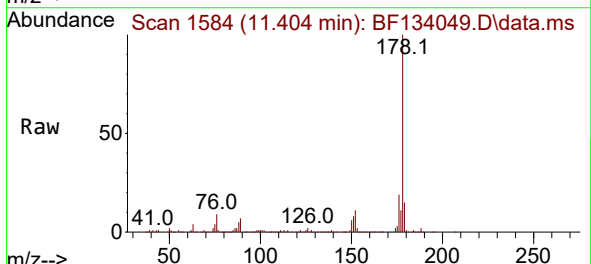
Instrument :
BNA_F
ClientSampleId :
COMPOSIT-SB-19-20

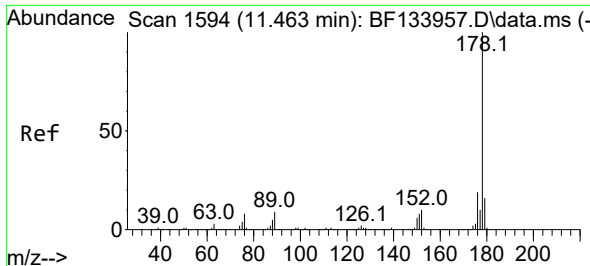
Tgt Ion:188 Resp: 245518
Ion Ratio Lower Upper
188 100
94 8.5 6.4 9.6
80 9.3 7.3 10.9



#71
Phenanthrene
Concen: 9.418 ng
RT: 11.404 min Scan# 1584
Delta R.T. -0.006 min
Lab File: BF134049.D
Acq: 29 Jun 2023 21:59

Tgt Ion:178 Resp: 116402
Ion Ratio Lower Upper
178 100
176 18.9 16.0 24.0
179 14.9 12.4 18.6

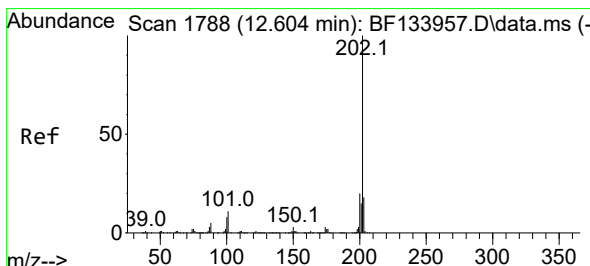
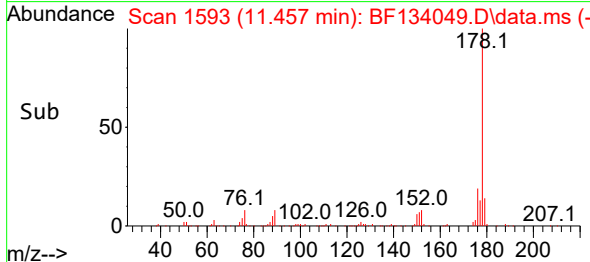
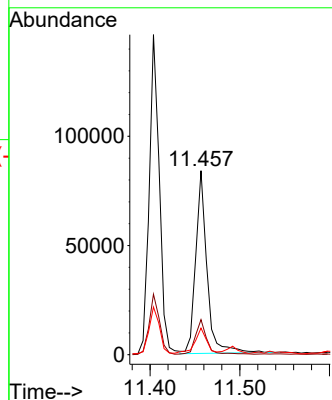
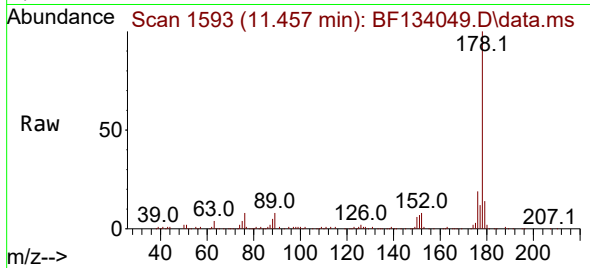




#72
 Anthracene
 Concen: 5.720 ng
 RT: 11.457 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF134049.D
 Acq: 29 Jun 2023 21:59

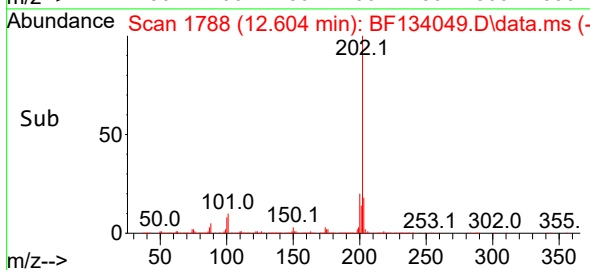
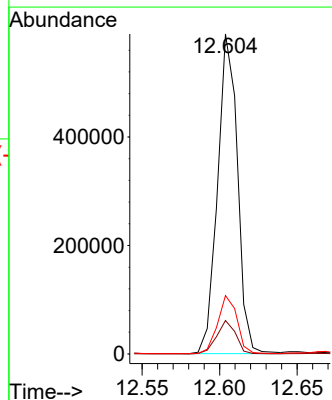
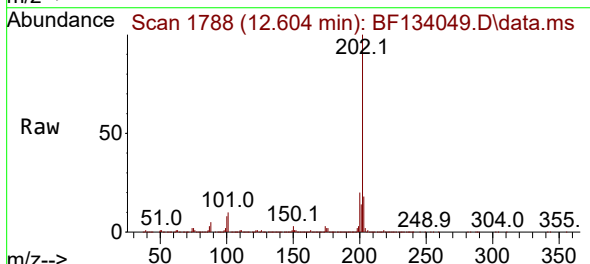
Instrument :
 BNA_F
 ClientSampleId :
 COMPOSIT-SB-19-20

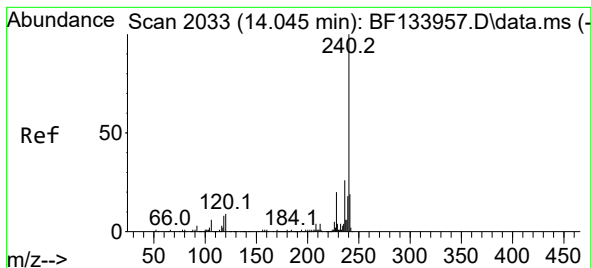
Tgt Ion:178 Resp: 73538
 Ion Ratio Lower Upper
 178 100
 176 19.0 15.3 22.9
 179 14.4 12.4 18.6



#75
 Fluoranthene
 Concen: 39.393 ng
 RT: 12.604 min Scan# 1788
 Delta R.T. 0.000 min
 Lab File: BF134049.D
 Acq: 29 Jun 2023 21:59

Tgt Ion:202 Resp: 526369
 Ion Ratio Lower Upper
 202 100
 101 10.4 0.0 31.0
 203 18.3 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: BF134049.D

Acq: 29 Jun 2023 21:59

Instrument :

BNA_F

ClientSampleId :

COMPOSIT-SB-19-20

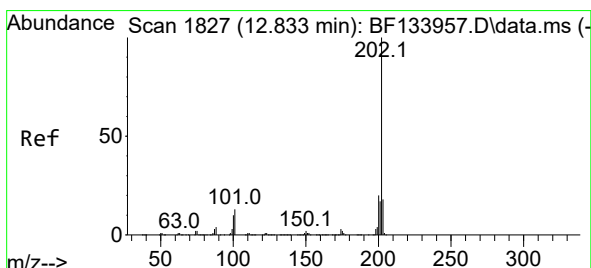
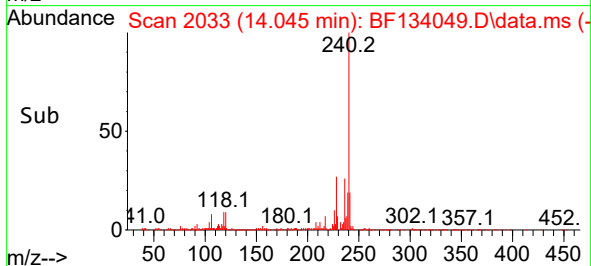
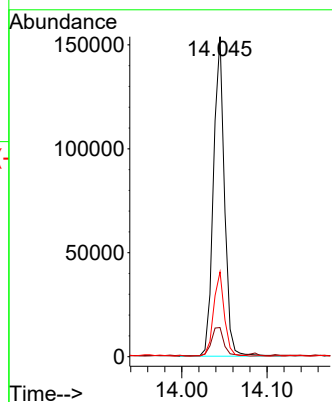
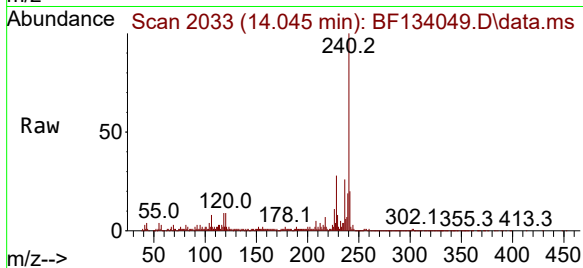
Tgt Ion:240 Resp: 137951

Ion Ratio Lower Upper

240 100

120 9.1 7.4 11.0

236 26.5 21.0 31.6



#78

Pyrene

Concen: 33.659 ng

RT: 12.833 min Scan# 1827

Delta R.T. 0.000 min

Lab File: BF134049.D

Acq: 29 Jun 2023 21:59

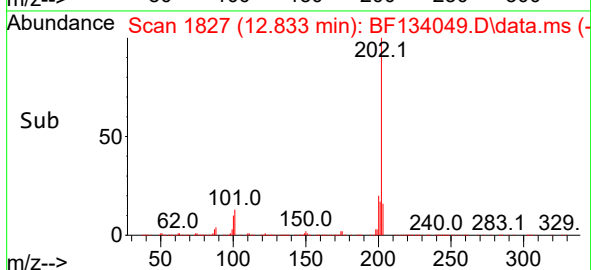
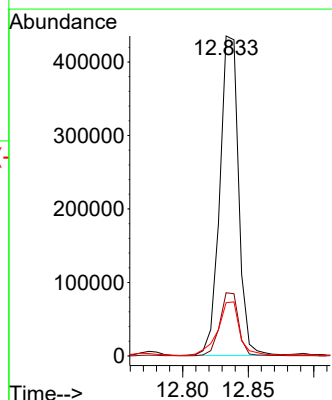
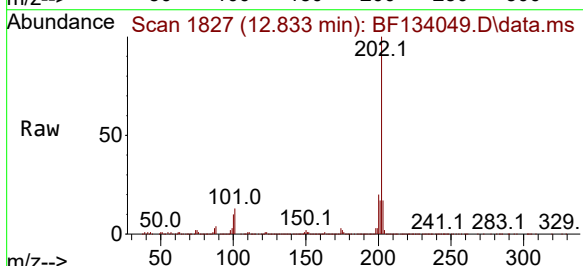
Tgt Ion:202 Resp: 432121

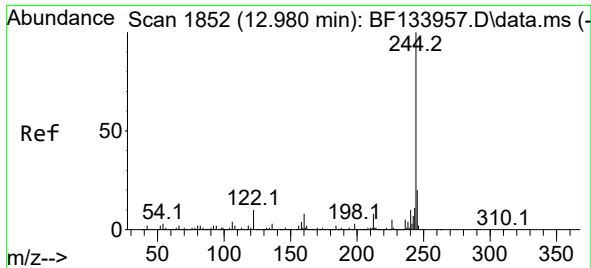
Ion Ratio Lower Upper

202 100

200 19.7 16.1 24.1

203 16.7 14.3 21.5

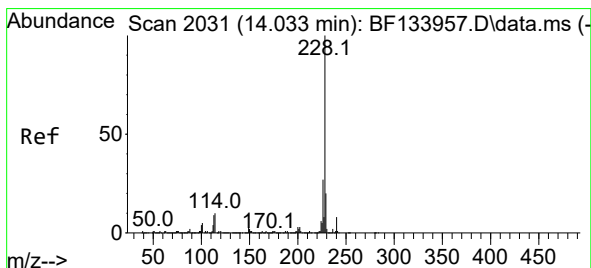
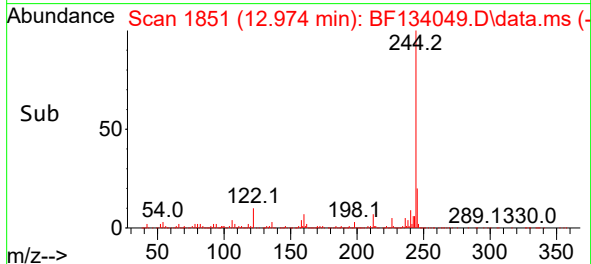
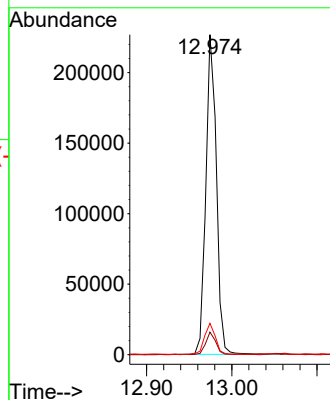
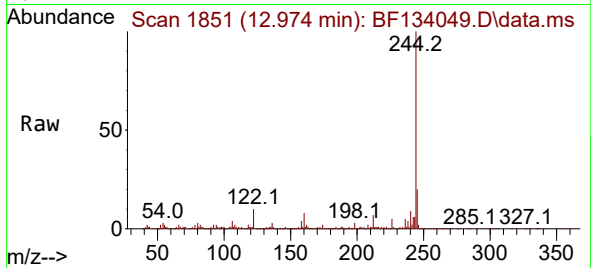




#79
 Terphenyl-d14
 Concen: 22.675 ng
 RT: 12.974 min Scan# 1851
 Delta R.T. -0.006 min
 Lab File: BF134049.D
 Acq: 29 Jun 2023 21:59

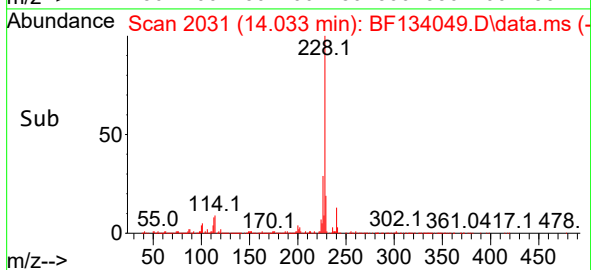
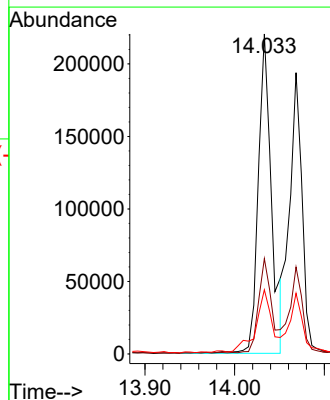
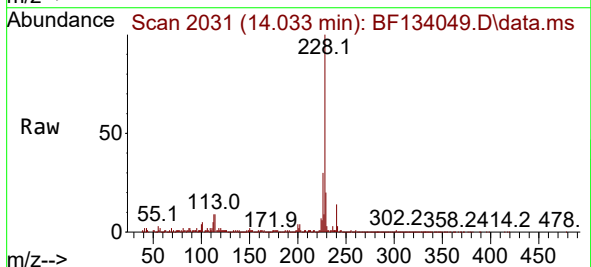
Instrument :
 BNA_F
 ClientSampleId :
 COMPOSIT-SB-19-20

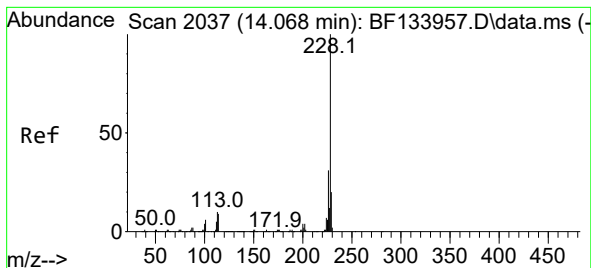
Tgt Ion:244 Resp: 194360
 Ion Ratio Lower Upper
 244 100
 212 7.0 6.0 9.0
 122 9.8 8.3 12.5



#81
 Benzo(a)anthracene
 Concen: 23.524 ng
 RT: 14.033 min Scan# 2031
 Delta R.T. 0.000 min
 Lab File: BF134049.D
 Acq: 29 Jun 2023 21:59

Tgt Ion:228 Resp: 225062
 Ion Ratio Lower Upper
 228 100
 226 29.8 22.0 33.0
 229 20.1 16.3 24.5





#83

Chrysene

Concen: 20.205 ng

RT: 14.068 min Scan# 2037

Delta R.T. 0.000 min

Lab File: BF134049.D

Acq: 29 Jun 2023 21:59

Instrument :

BNA_F

ClientSampleId :

COMPOSIT-SB-19-20

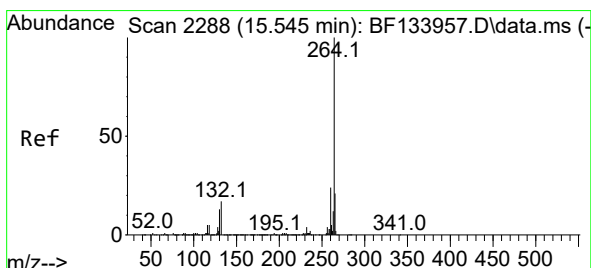
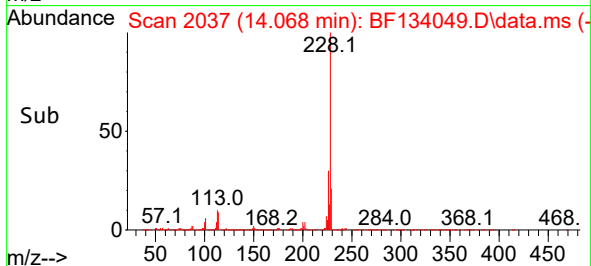
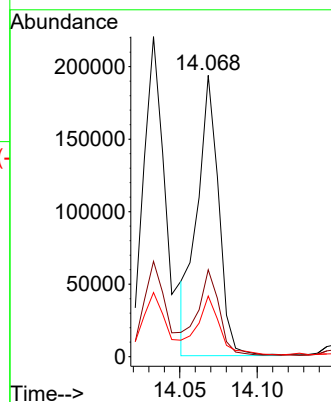
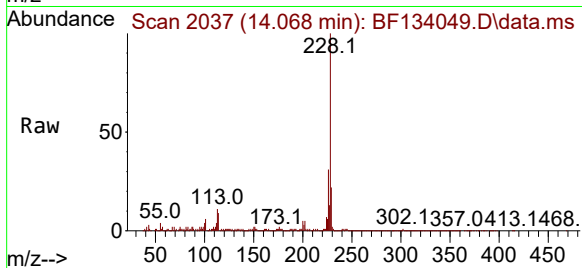
Tgt Ion:228 Resp: 187227

Ion Ratio Lower Upper

228 100

226 30.9 24.4 36.6

229 21.5 16.1 24.1



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.551 min Scan# 2289

Delta R.T. 0.006 min

Lab File: BF134049.D

Acq: 29 Jun 2023 21:59

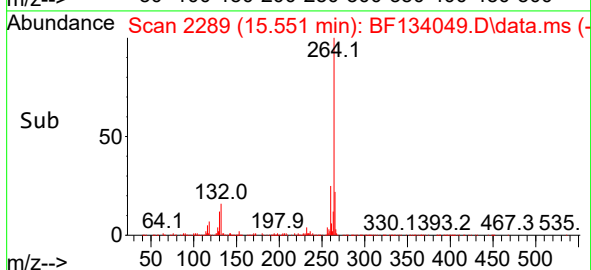
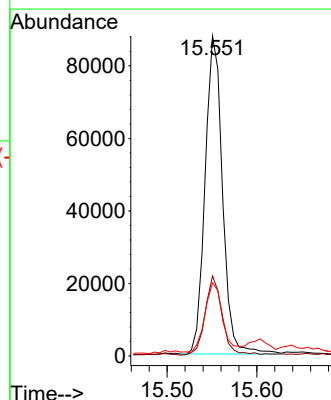
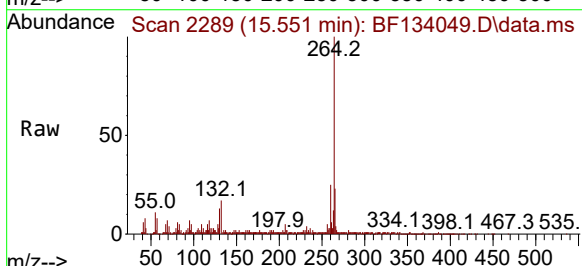
Tgt Ion:264 Resp: 118301

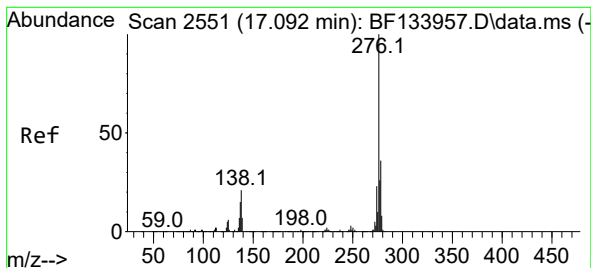
Ion Ratio Lower Upper

264 100

260 25.0 19.5 29.3

265 22.8 16.6 25.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 7.192 ng

RT: 17.098 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF134049.D

Acq: 29 Jun 2023 21:59

Instrument :

BNA_F

ClientSampleId :

COMPOSIT-SB-19-20

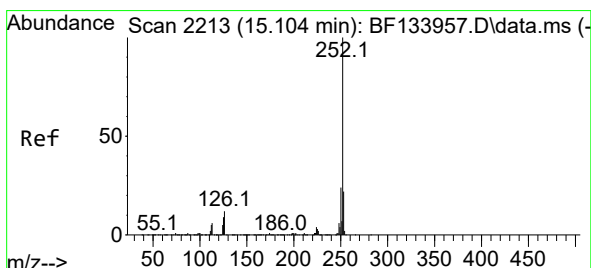
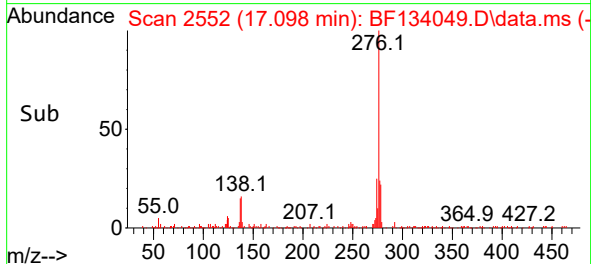
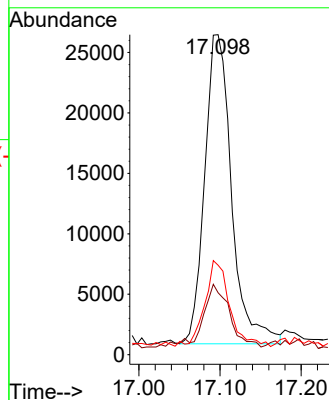
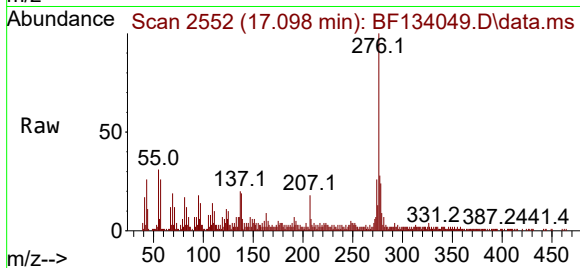
Tgt Ion:276 Resp: 59039

Ion Ratio Lower Upper

276 100

138 20.2 18.7 28.1

277 25.5 19.9 29.9



#88

Benzo(b)fluoranthene

Concen: 38.226 ng

RT: 15.104 min Scan# 2213

Delta R.T. 0.000 min

Lab File: BF134049.D

Acq: 29 Jun 2023 21:59

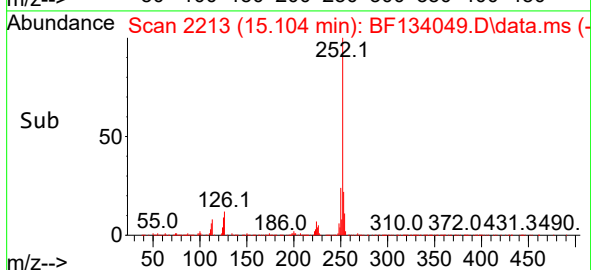
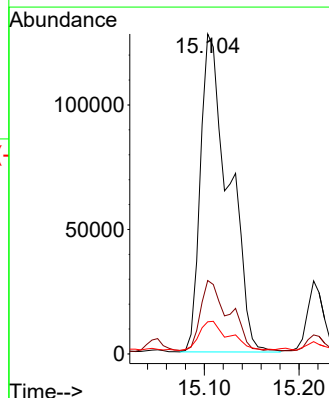
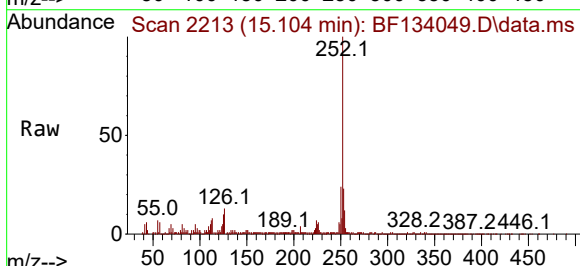
Tgt Ion:252 Resp: 265908

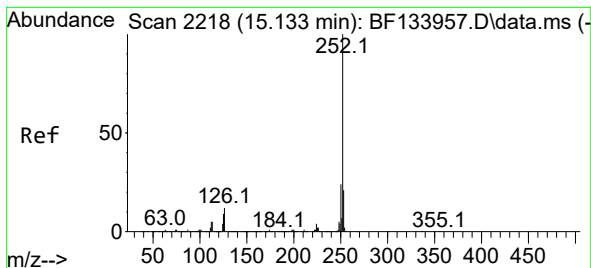
Ion Ratio Lower Upper

252 100

253 22.9 17.4 26.0

125 10.1 7.1 10.7





#89

Benzo(k)fluoranthene

Concen: 37.544 ng

RT: 15.104 min Scan# 21

Delta R.T. -0.029 min

Lab File: BF134049.D

Acq: 29 Jun 2023 21:59

Instrument :

BNA_F

ClientSampleId :

COMPOSIT-SB-19-20

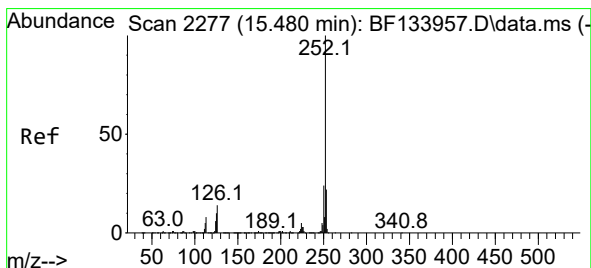
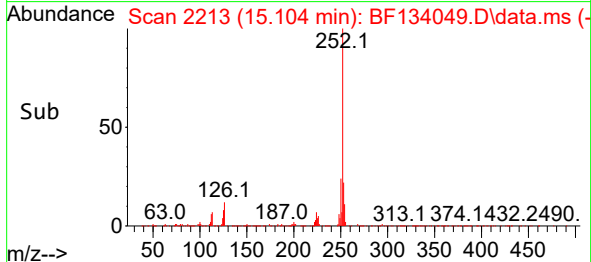
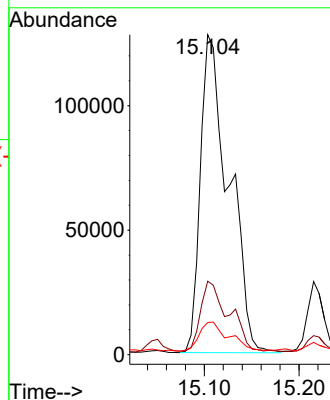
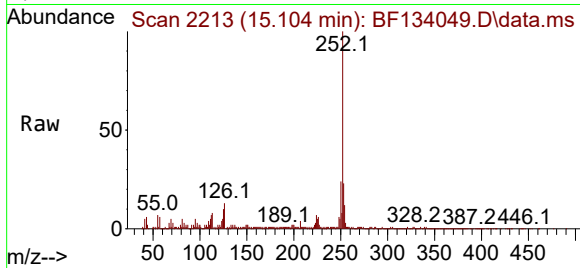
Tgt Ion:252 Resp: 265908

Ion Ratio Lower Upper

252 100

253 22.9 16.9 25.3

125 10.1 7.4 11.2



#90

Benzo(a)pyrene

Concen: 16.366 ng

RT: 15.486 min Scan# 2278

Delta R.T. 0.006 min

Lab File: BF134049.D

Acq: 29 Jun 2023 21:59

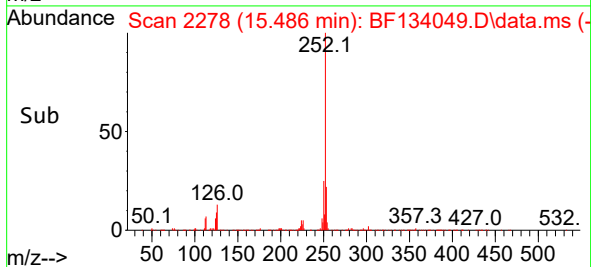
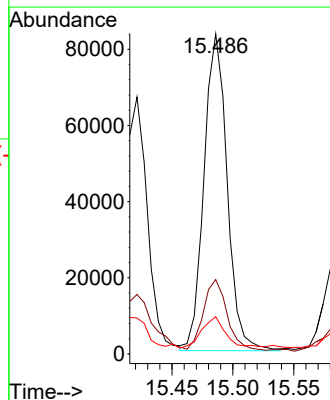
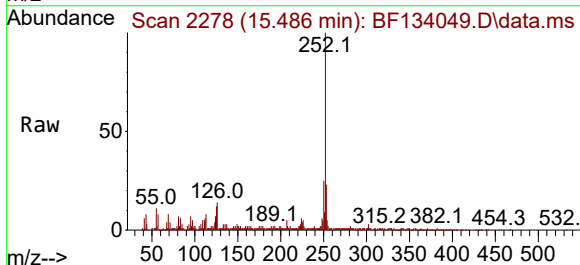
Tgt Ion:252 Resp: 110088

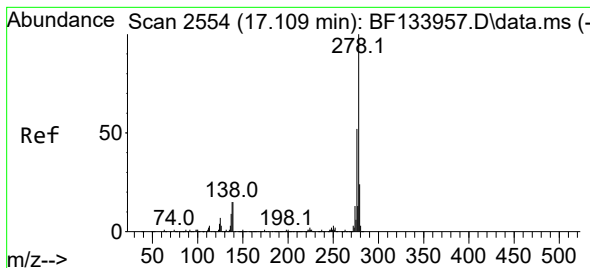
Ion Ratio Lower Upper

252 100

253 23.2 17.4 26.0

125 11.6 8.4 12.6





#91

Dibenzo(a,h)anthracene

Concen: 2.323 ng

RT: 17.103 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF134049.D

Acq: 29 Jun 2023 21:59

Instrument :

BNA_F

ClientSampleId :

COMPOSIT-SB-19-20

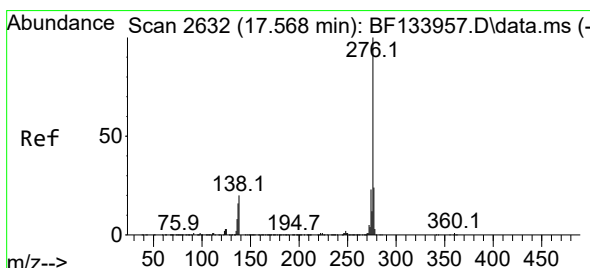
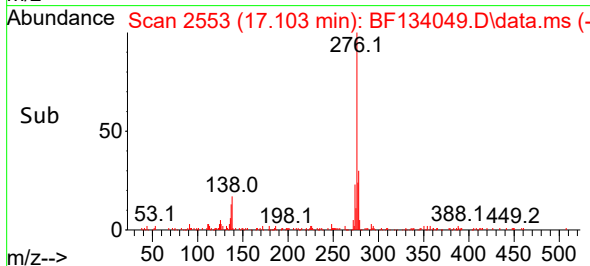
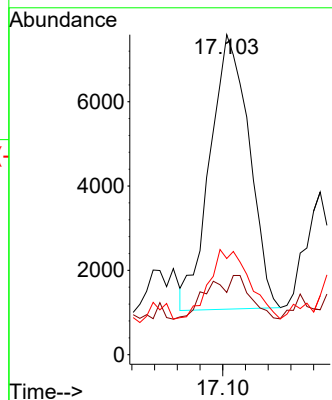
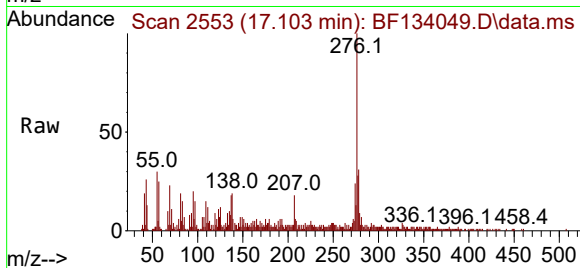
Tgt Ion:278 Resp: 15574

Ion Ratio Lower Upper

278 100

139 19.4 12.2 18.4#

279 30.1 19.4 29.2#



#92

Benzo(g,h,i)perylene

Concen: 6.985 ng

RT: 17.568 min Scan# 2632

Delta R.T. 0.000 min

Lab File: BF134049.D

Acq: 29 Jun 2023 21:59

Tgt Ion:276 Resp: 48294

Ion Ratio Lower Upper

276 100

277 28.8 19.0 28.6#

138 24.3 16.2 24.2#

