

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061323\
 Data File : BF133741.D
 Acq On : 13 Jun 2023 20:39
 Operator : CG\JU
 Sample : 03044-11DL 5X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-07-0-2.0DL

Quant Time: Jun 13 21:51:27 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060923.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 13 11:26:55 2023
 Response via : Initial Calibration

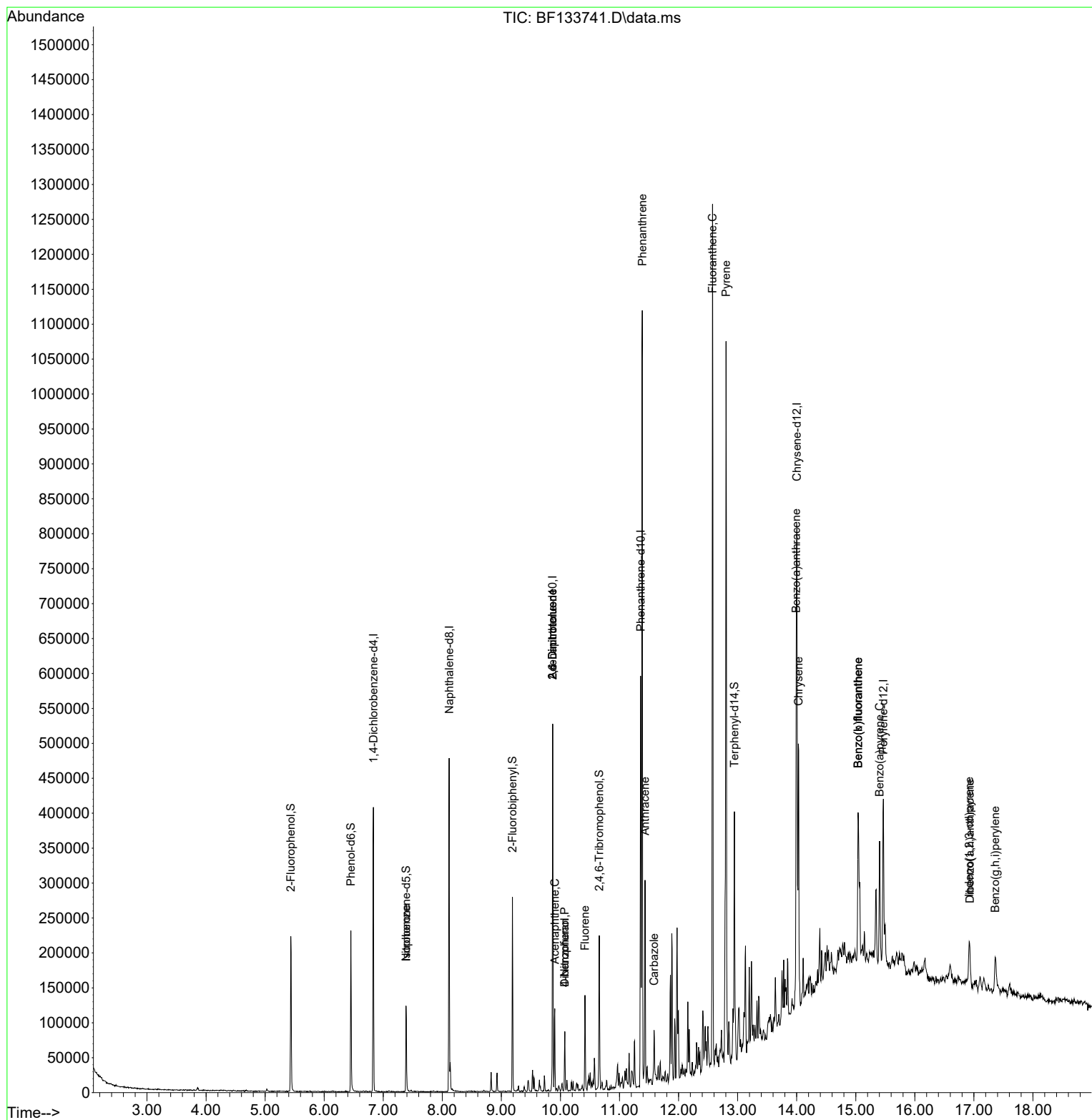
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.834	152	56890	20.000	ng	0.00
21) Naphthalene-d8	8.116	136	187089	20.000	ng	0.00
39) Acenaphthene-d10	9.869	164	90977	20.000	ng	-0.01
64) Phenanthrene-d10	11.357	188	207001	20.000	ng	-0.01
76) Chrysene-d12	14.004	240	162703	20.000	ng	-0.01
86) Perylene-d12	15.468	264	110848	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.434	112	56796	17.380	ng	-0.01
7) Phenol-d6	6.451	99	60837	14.302	ng	-0.02
23) Nitrobenzene-d5	7.386	82	34945	10.173	ng	-0.02
42) 2,4,6-Tribromophenol	10.657	330	18840	16.360	ng	-0.01
45) 2-Fluorobiphenyl	9.186	172	71366	11.151	ng	-0.01
79) Terphenyl-d14	12.945	244	107585	10.232	ng	-0.01
Target Compounds						
25) Isophorone	7.386	82	34954	5.543	ng	# 65
51) 2,6-Dinitrotoluene	9.869	165	11574	8.257	ng	# 29
52) Acenaphthene	9.904	154	23082	4.305	ng	99
55) Dibenzofuran	10.075	168	24607	3.007	ng	93
56) 4-Nitrophenol	10.075	139	10026	8.709	ng	# 12
57) 2,4-Dinitrotoluene	9.869	165	11574	6.493	ng	# 20
58) Fluorene	10.416	166	31874	5.094	ng	98
71) Phenanthrene	11.386	178	402173	38.294	ng	100
72) Anthracene	11.433	178	99732	9.108	ng	98
73) Carbazole	11.586	167	27880	2.734	ng	99
75) Fluoranthene	12.574	202	474181	42.517	ng	99
78) Pyrene	12.804	202	421388	27.803	ng	98
81) Benzo(a)anthracene	13.992	228	180350	16.025	ng	98
83) Chrysene	14.033	228	152090	14.288	ng	97
87) Indeno(1,2,3-cd)pyrene	16.921	276	43526	5.708	ng	99
88) Benzo(b)fluoranthene	15.039	252	153377	22.778	ng	96
89) Benzo(k)fluoranthene	15.039	252	153377	23.383	ng	96
90) Benzo(a)pyrene	15.404	252	82625	13.222	ng	97
91) Dibenzo(a,h)anthracene	16.933	278	13276	2.103	ng	# 81
92) Benzo(g,h,i)perylene	17.362	276	40501	6.470	ng	# 95

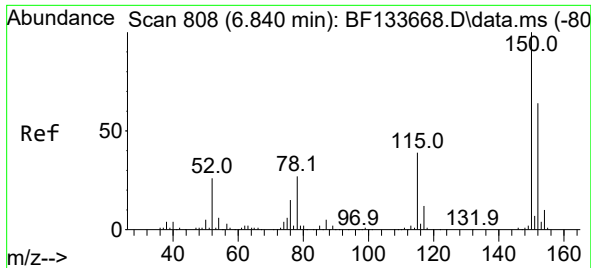
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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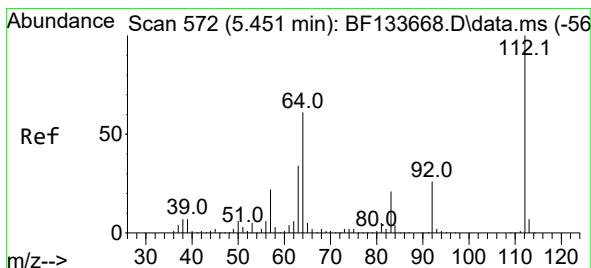
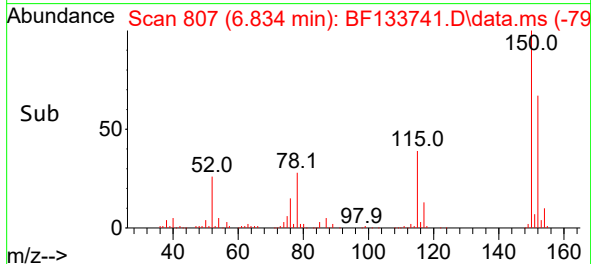
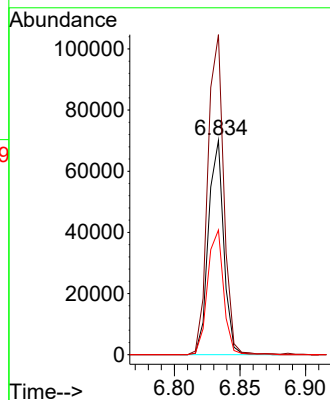
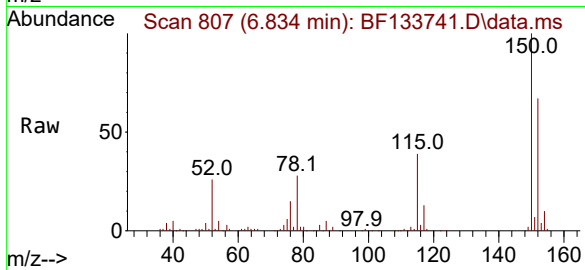




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.834 min Scan# 80
Delta R.T. -0.000 min
Lab File: BF133741.D
Acq: 13 Jun 2023 20:39

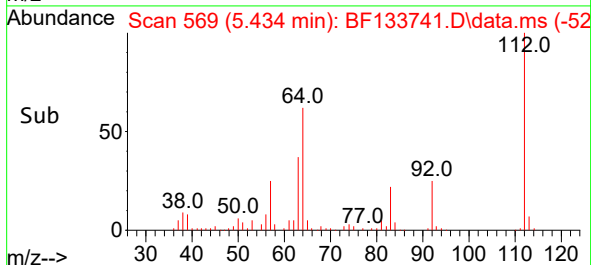
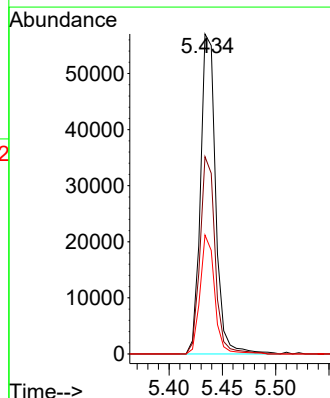
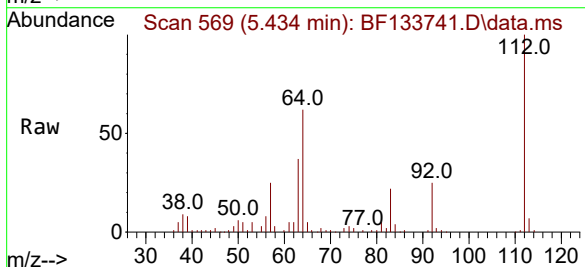
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BNA_F
ClientSampleId :
SB-07-0-2.0DL

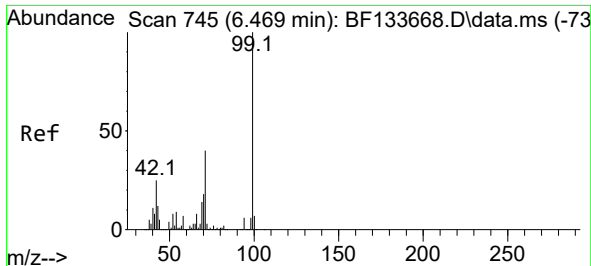
Tgt Ion:152 Resp: 56890
Ion Ratio Lower Upper
152 100
150 149.3 124.3 186.5
115 58.2 48.5 72.7



#5
2-Fluorophenol
Concen: 17.380 ng
RT: 5.434 min Scan# 569
Delta R.T. -0.012 min
Lab File: BF133741.D
Acq: 13 Jun 2023 20:39

Tgt Ion:112 Resp: 56796
Ion Ratio Lower Upper
112 100
64 61.7 49.0 73.4
63 37.2 26.8 40.2

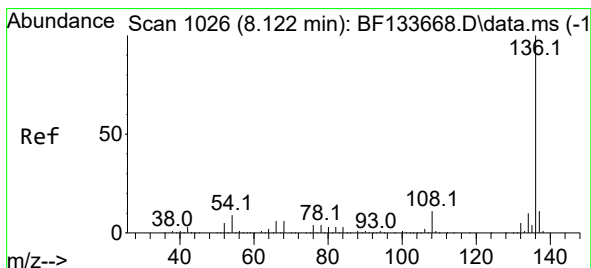
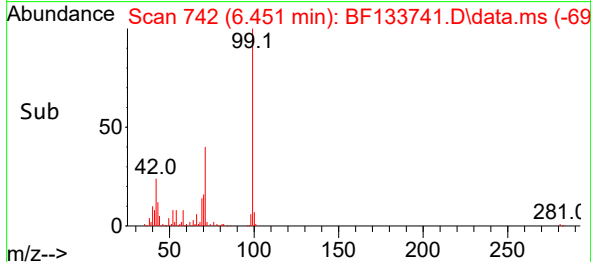
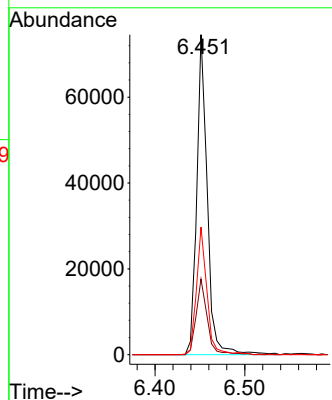
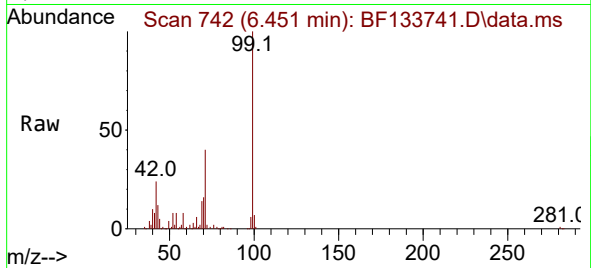




#7
Phenol-d6
Concen: 14.302 ng
RT: 6.451 min Scan# 745
Delta R.T. -0.018 min
Lab File: BF133741.D
Acq: 13 Jun 2023 20:39

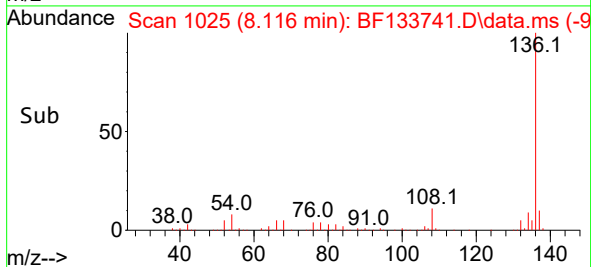
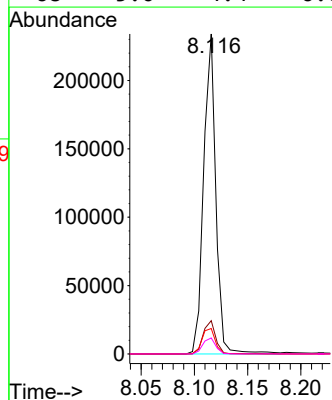
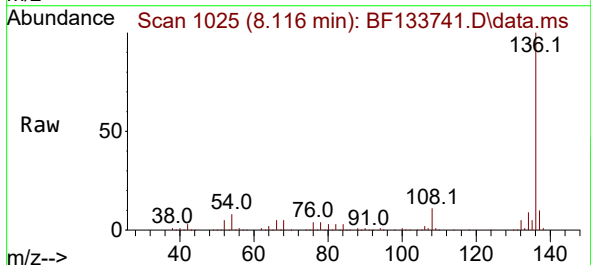
Instrument :
BNA_F
ClientSampleId :
SB-07-0-2.0DL

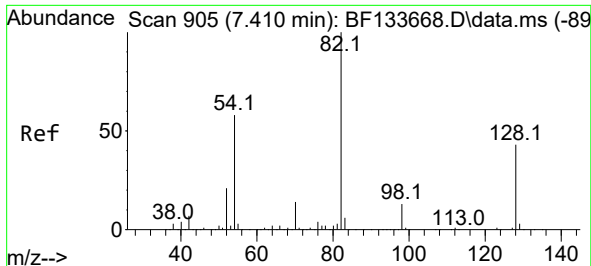
Tgt Ion: 99 Resp: 60837
Ion Ratio Lower Upper
99 100
42 23.6 19.9 29.9
71 39.9 32.2 48.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.116 min Scan# 1025
Delta R.T. -0.006 min
Lab File: BF133741.D
Acq: 13 Jun 2023 20:39

Tgt Ion:136 Resp: 187089
Ion Ratio Lower Upper
136 100
137 10.4 8.8 13.2
54 8.0 7.4 11.0
68 5.0 4.4 6.6





#23

Nitrobenzene-d5

Concen: 10.173 ng

RT: 7.386 min Scan# 901

Delta R.T. -0.018 min

Lab File: BF133741.D

Acq: 13 Jun 2023 20:39

Instrument :

BNA_F

ClientSampleId :

SB-07-0-2.0DL

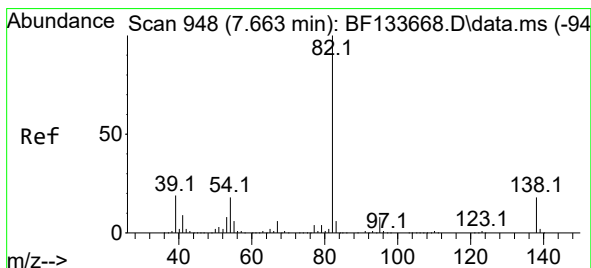
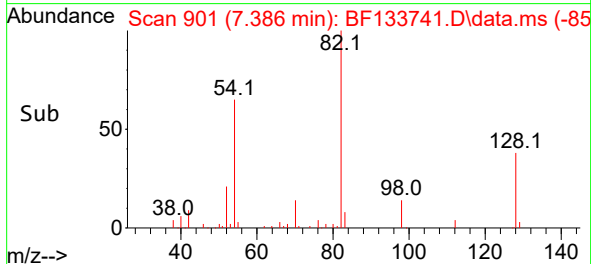
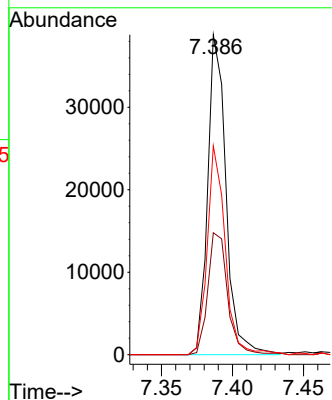
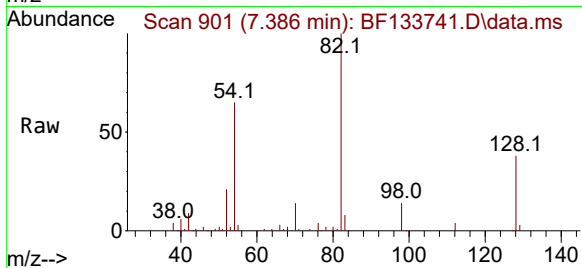
Tgt Ion: 82 Resp: 34945

Ion Ratio Lower Upper

82 100

128 38.1 34.2 51.2

54 65.3 46.5 69.7



#25

Isophorone

Concen: 5.543 ng

RT: 7.386 min Scan# 901

Delta R.T. -0.271 min

Lab File: BF133741.D

Acq: 13 Jun 2023 20:39

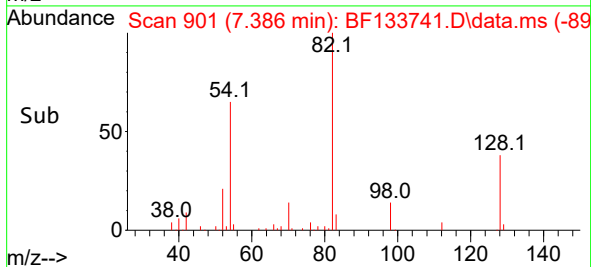
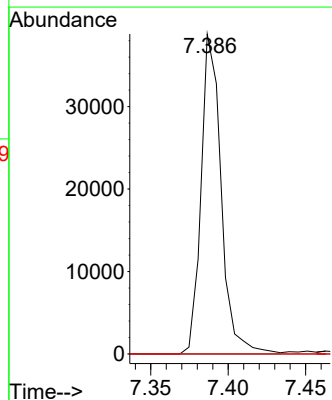
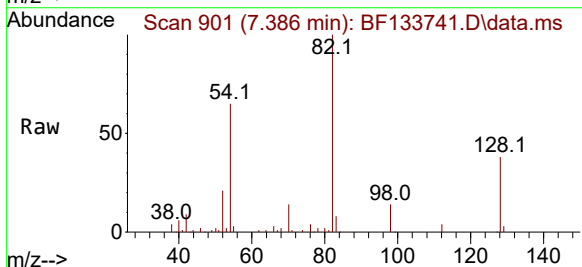
Tgt Ion: 82 Resp: 34954

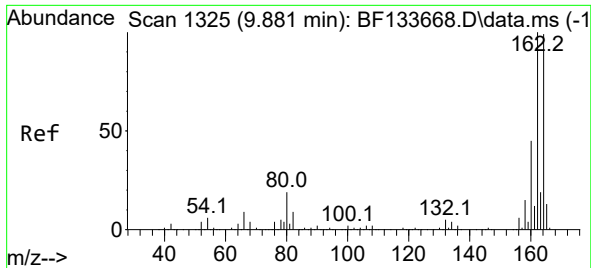
Ion Ratio Lower Upper

82 100

95 0.0 6.0 9.0#

138 0.0 14.2 21.2#

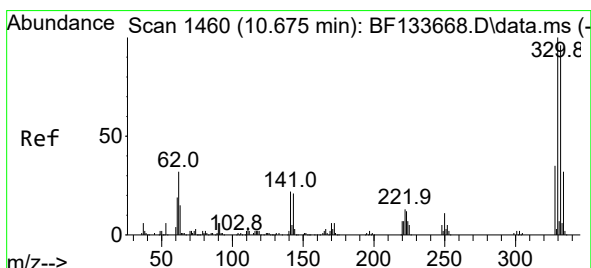
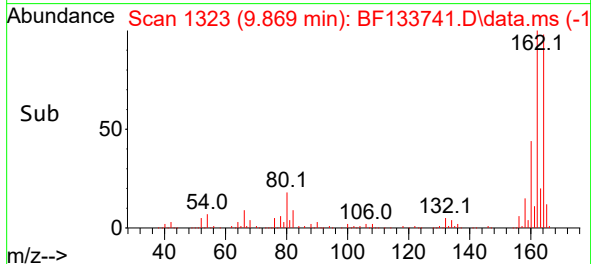
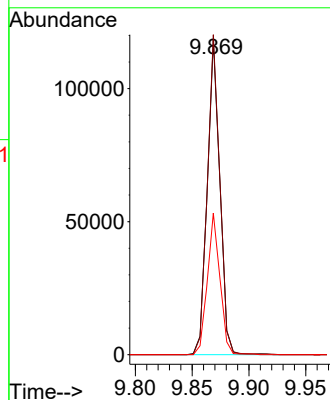
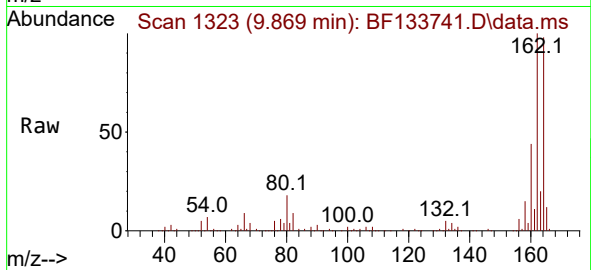




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.869 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF133741.D
Acq: 13 Jun 2023 20:39

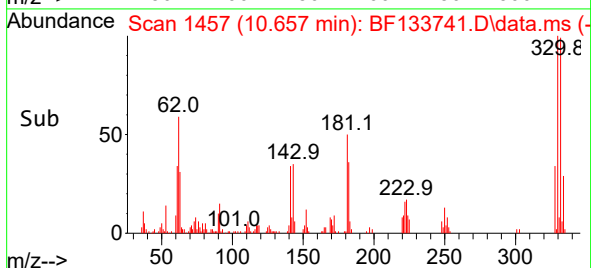
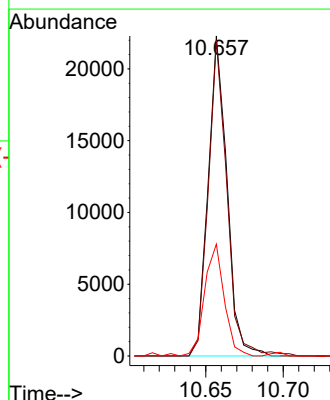
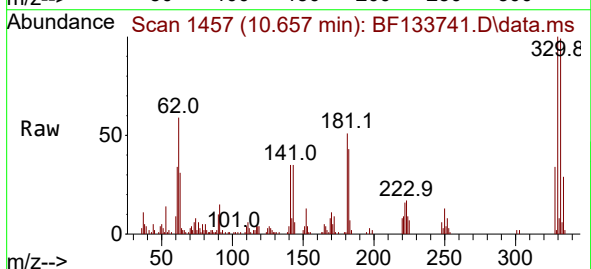
Instrument :
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ClientSampleId :
SB-07-0-2.0DL

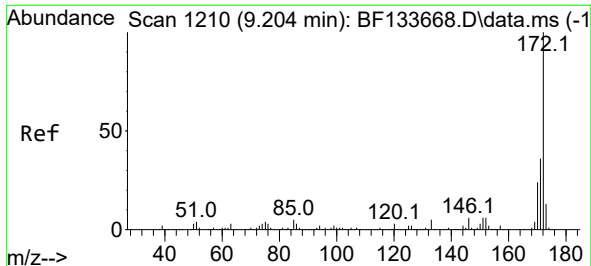
Tgt Ion:164 Resp: 90977
Ion Ratio Lower Upper
164 100
162 101.7 80.8 121.2
160 45.0 36.7 55.1



#42
2,4,6-Tribromophenol
Concen: 16.360 ng
RT: 10.657 min Scan# 1457
Delta R.T. -0.012 min
Lab File: BF133741.D
Acq: 13 Jun 2023 20:39

Tgt Ion:330 Resp: 18840
Ion Ratio Lower Upper
330 100
332 97.2 77.2 115.8
141 36.2 24.9 37.3





#45

2-Fluorobiphenyl

Concen: 11.151 ng

RT: 9.186 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF133741.D

Acq: 13 Jun 2023 20:39

Instrument :

BNA_F

ClientSampleId :

SB-07-0-2.0DL

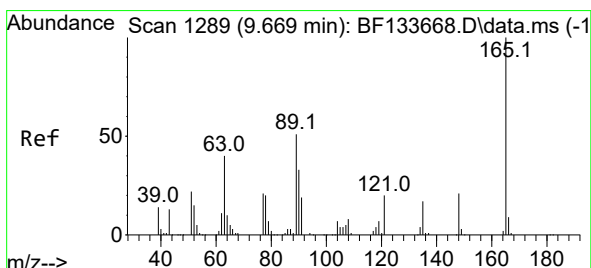
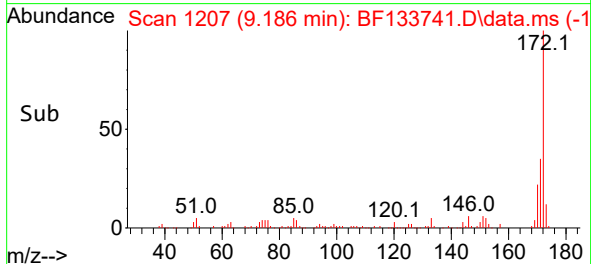
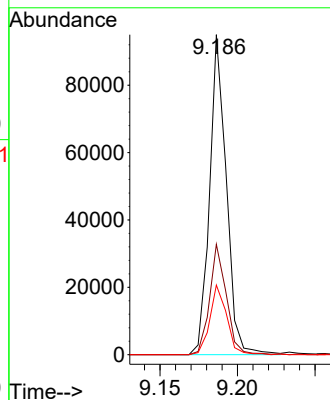
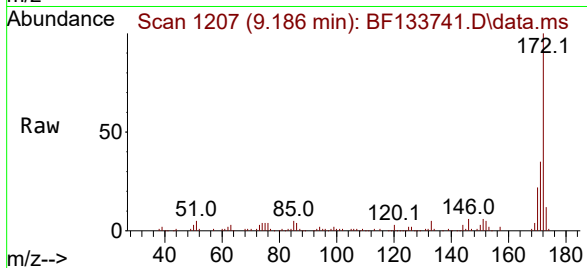
Tgt Ion:172 Resp: 71366

Ion Ratio Lower Upper

172 100

171 34.5 28.6 43.0

170 21.7 19.1 28.7



#51

2,6-Dinitrotoluene

Concen: 8.257 ng

RT: 9.869 min Scan# 1323

Delta R.T. 0.206 min

Lab File: BF133741.D

Acq: 13 Jun 2023 20:39

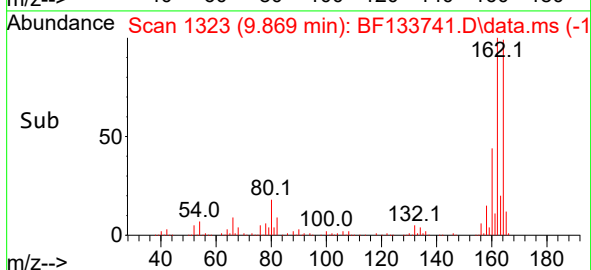
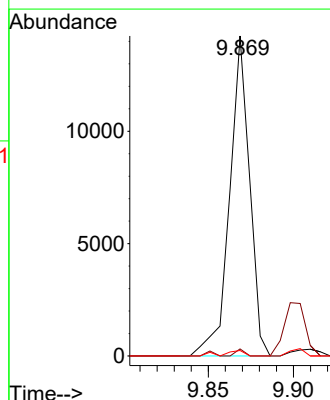
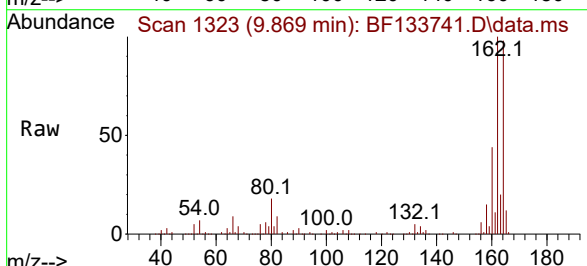
Tgt Ion:165 Resp: 11574

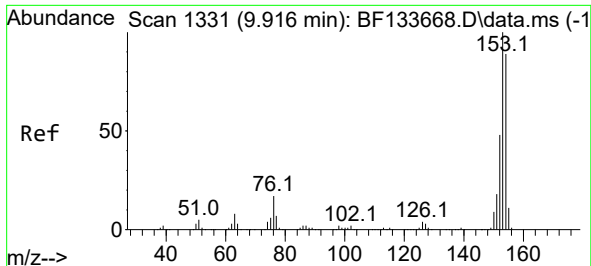
Ion Ratio Lower Upper

165 100

63 2.2 42.1 63.1#

89 1.7 40.9 61.3#

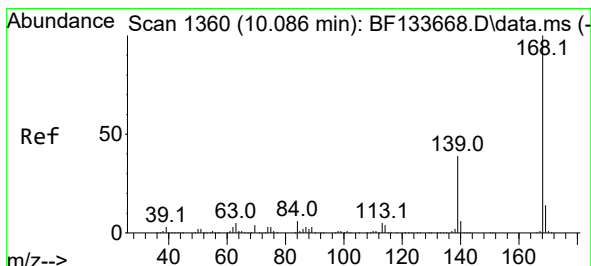
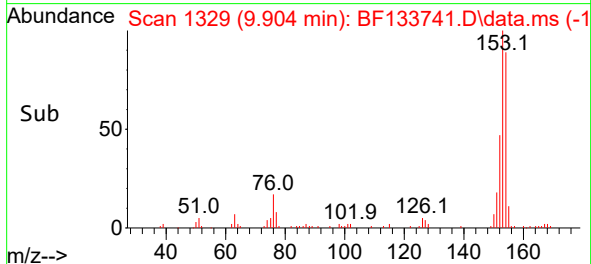
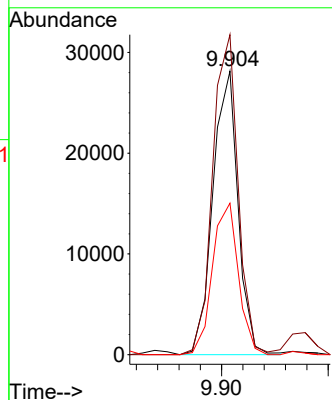
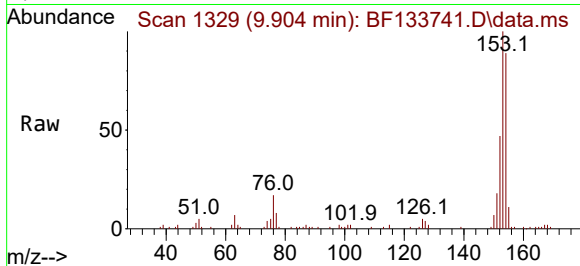




#52
Acenaphthene
Concen: 4.305 ng
RT: 9.904 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF133741.D
Acq: 13 Jun 2023 20:39

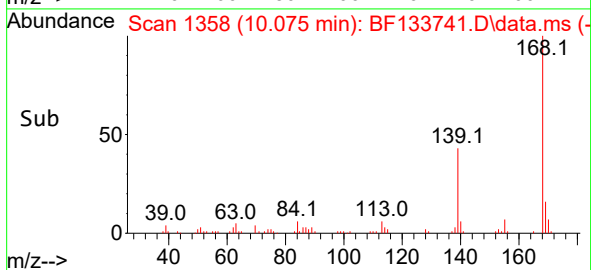
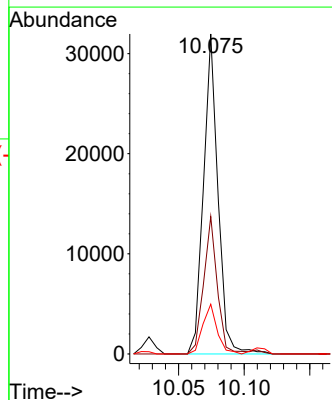
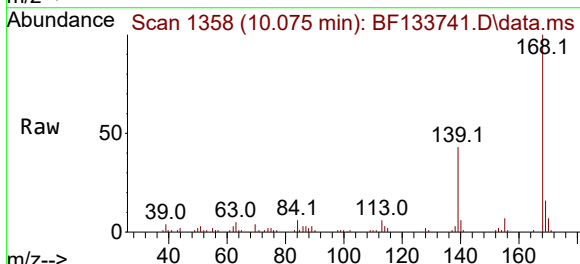
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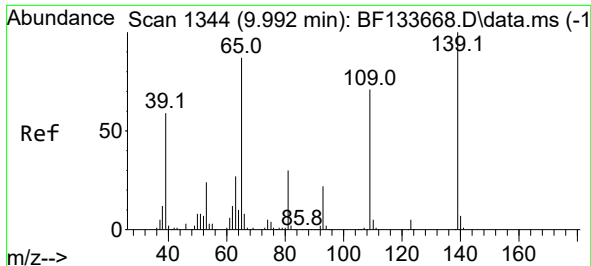
Tgt Ion:154 Resp: 23082
Ion Ratio Lower Upper
154 100
153 112.9 89.8 134.8
152 53.4 43.4 65.2



#55
Dibenzofuran
Concen: 3.007 ng
RT: 10.075 min Scan# 1358
Delta R.T. -0.012 min
Lab File: BF133741.D
Acq: 13 Jun 2023 20:39

Tgt Ion:168 Resp: 24607
Ion Ratio Lower Upper
168 100
139 43.0 30.9 46.3
169 15.5 10.9 16.3

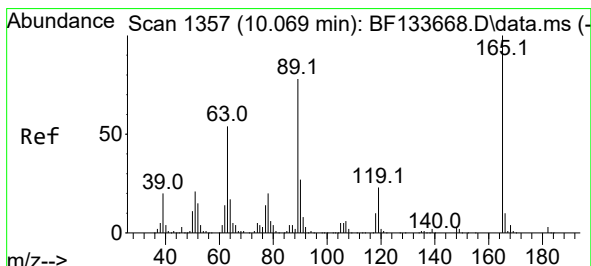
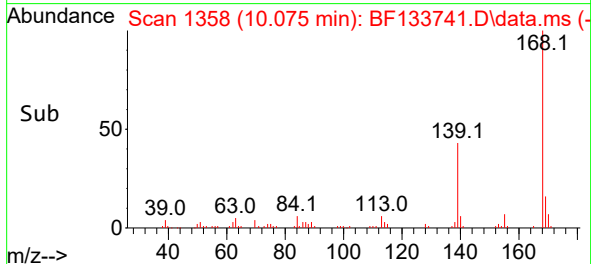
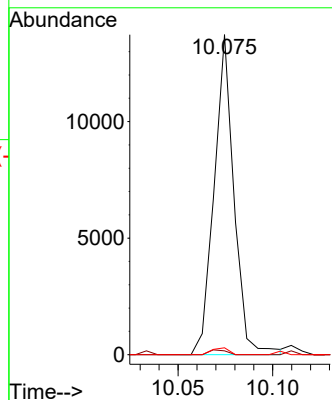
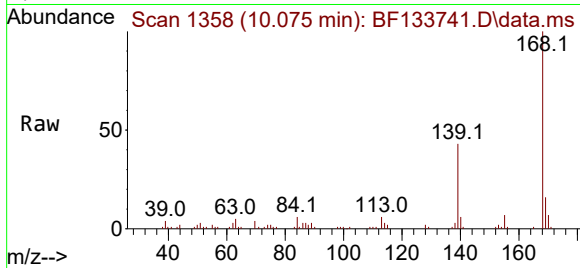




#56
4-Nitrophenol
Concen: 8.709 ng
RT: 10.075 min Scan# 11
Delta R.T. 0.082 min
Lab File: BF133741.D
Acq: 13 Jun 2023 20:39

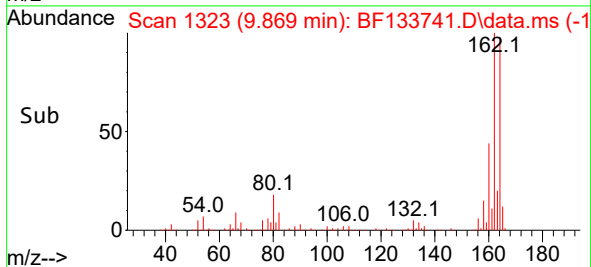
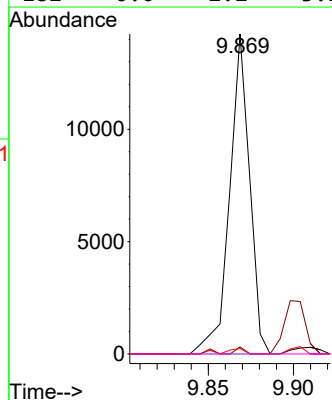
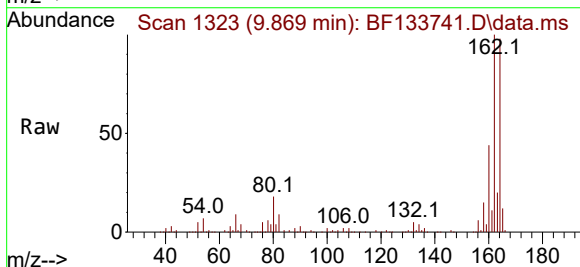
Instrument :
BNA_F
ClientSampleId :
SB-07-0-2.0DL

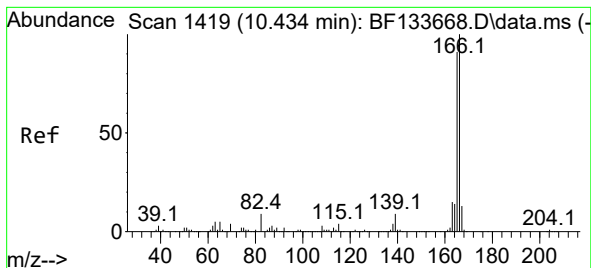
Tgt Ion:139 Resp: 10026
Ion Ratio Lower Upper
139 100
109 1.2 50.7 90.7#
65 2.1 67.1 107.1#



#57
2,4-Dinitrotoluene
Concen: 6.493 ng
RT: 9.869 min Scan# 1323
Delta R.T. -0.200 min
Lab File: BF133741.D
Acq: 13 Jun 2023 20:39

Tgt Ion:165 Resp: 11574
Ion Ratio Lower Upper
165 100
63 2.2 43.0 64.6#
89 1.7 62.6 93.8#
182 0.0 2.2 3.2#





#58

Fluorene

Concen: 5.094 ng

RT: 10.416 min Scan# 1416

Delta R.T. -0.012 min

Lab File: BF133741.D

Acq: 13 Jun 2023 20:39

Instrument :

BNA_F

ClientSampleId :

SB-07-0-2.0DL

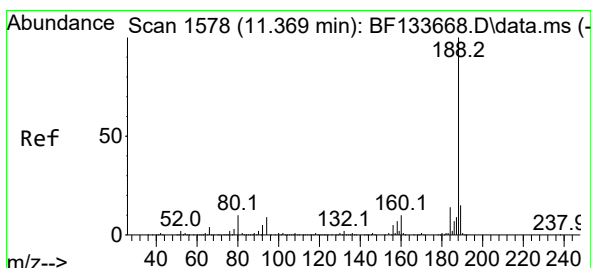
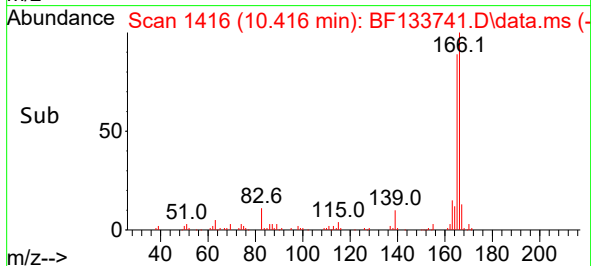
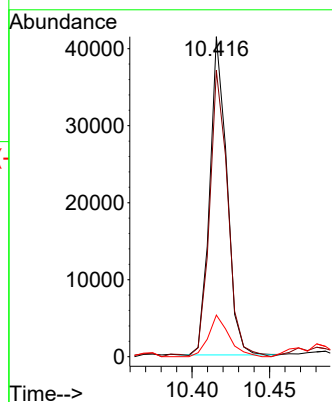
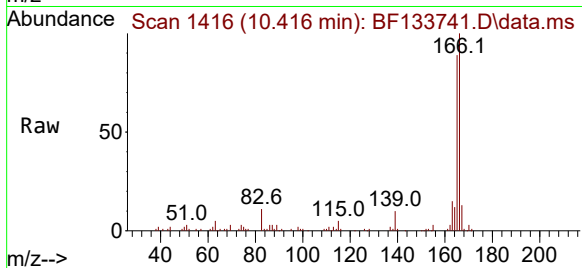
Tgt Ion:166 Resp: 31874

Ion Ratio Lower Upper

166 100

165 89.4 73.1 109.7

167 13.0 10.5 15.7



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.357 min Scan# 1576

Delta R.T. -0.012 min

Lab File: BF133741.D

Acq: 13 Jun 2023 20:39

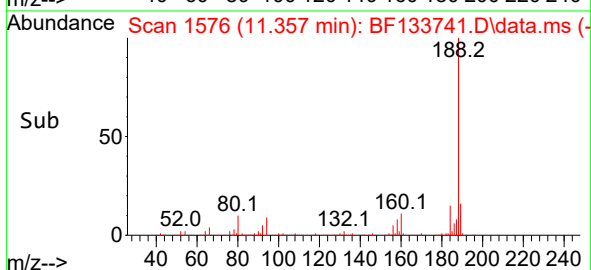
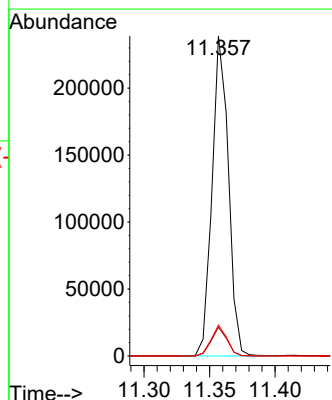
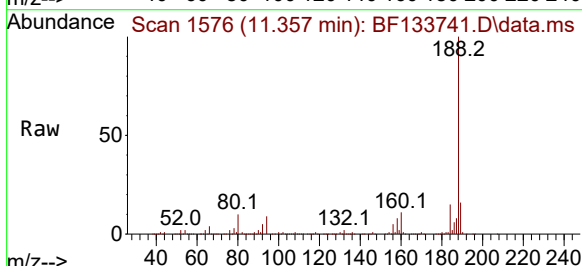
Tgt Ion:188 Resp: 207001

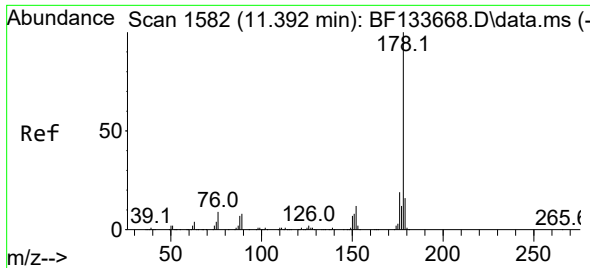
Ion Ratio Lower Upper

188 100

94 9.0 6.8 10.2

80 9.6 7.8 11.6

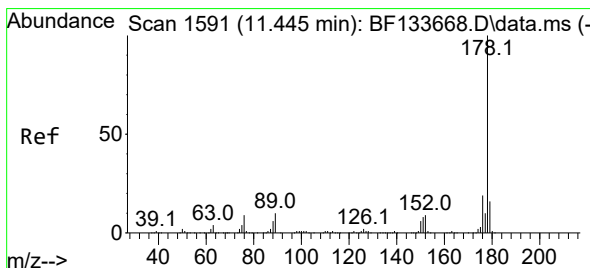
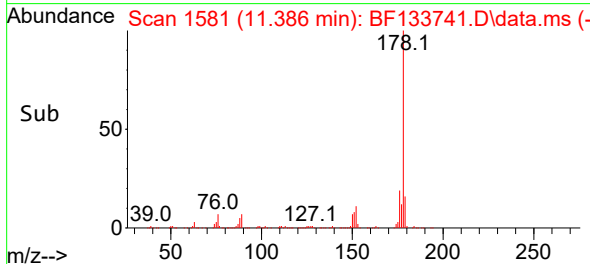
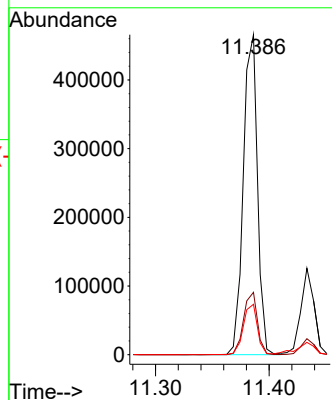
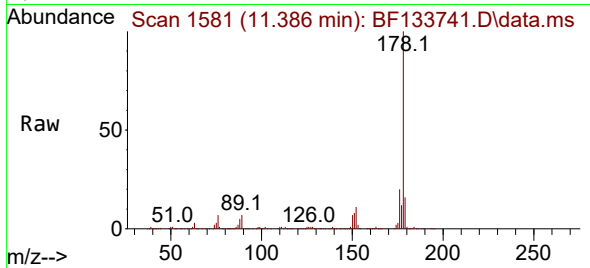




#71
Phenanthrene
Concen: 38.294 ng
RT: 11.386 min Scan# 1581
Delta R.T. -0.006 min
Lab File: BF133741.D
Acq: 13 Jun 2023 20:39

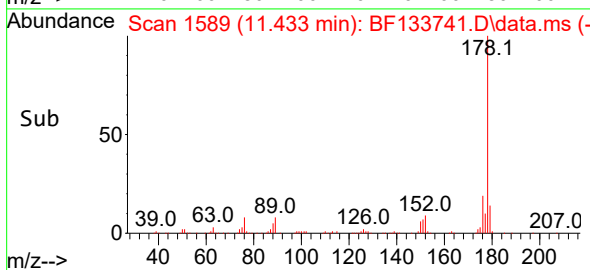
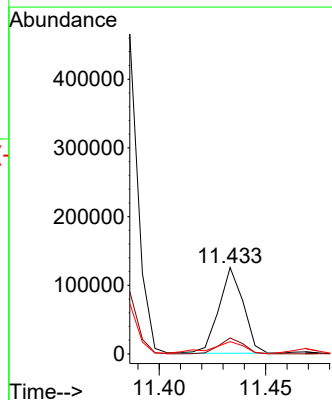
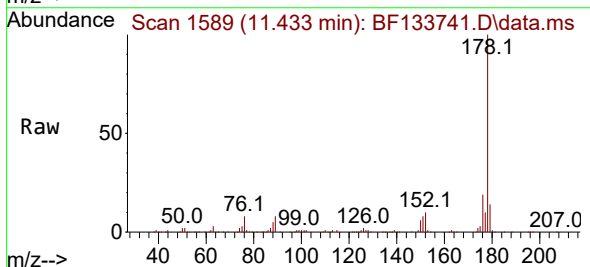
Instrument :
BNA_F
ClientSampleId :
SB-07-0-2.0DL

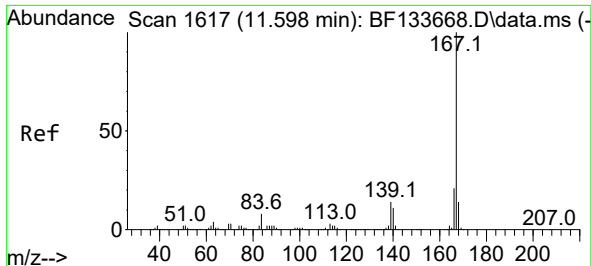
Tgt Ion:178 Resp: 402173
Ion Ratio Lower Upper
178 100
176 19.5 15.6 23.4
179 15.8 12.4 18.6



#72
Anthracene
Concen: 9.108 ng
RT: 11.433 min Scan# 1589
Delta R.T. -0.012 min
Lab File: BF133741.D
Acq: 13 Jun 2023 20:39

Tgt Ion:178 Resp: 99732
Ion Ratio Lower Upper
178 100
176 18.5 15.1 22.7
179 14.2 12.6 18.8

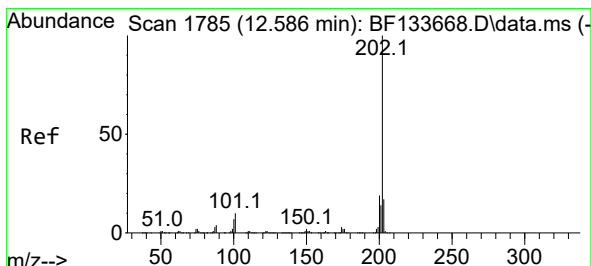
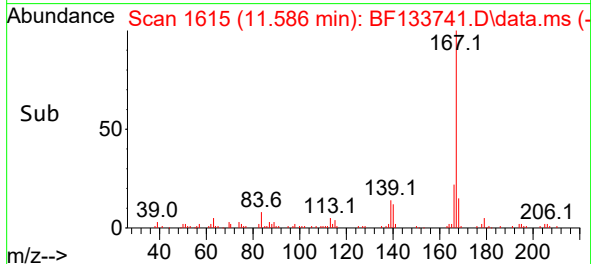
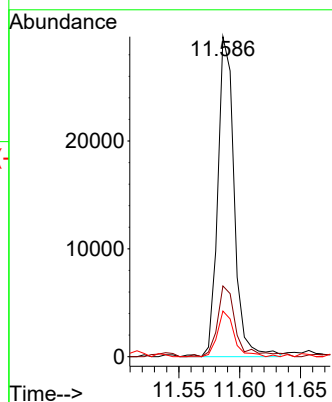
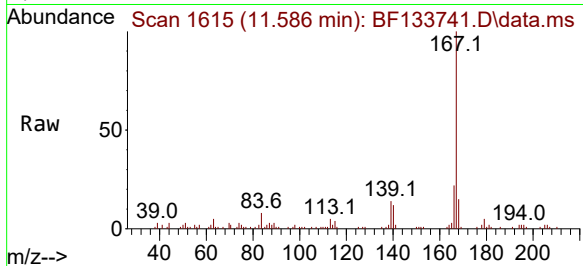




#73
 Carbazole
 Concen: 2.734 ng
 RT: 11.586 min Scan# 1
 Delta R.T. -0.012 min
 Lab File: BF133741.D
 Acq: 13 Jun 2023 20:39

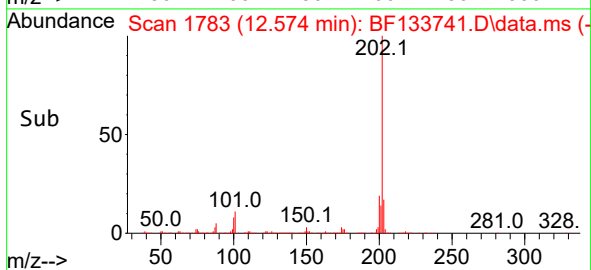
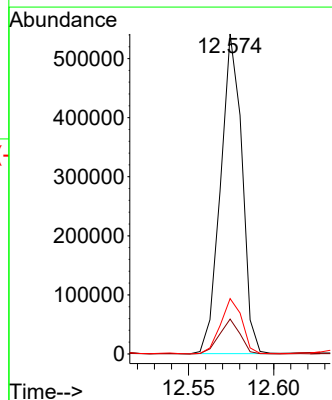
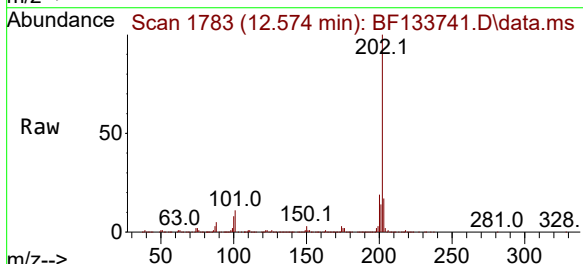
Instrument :
 BNA_F
 ClientSampleId :
 SB-07-0-2.0DL

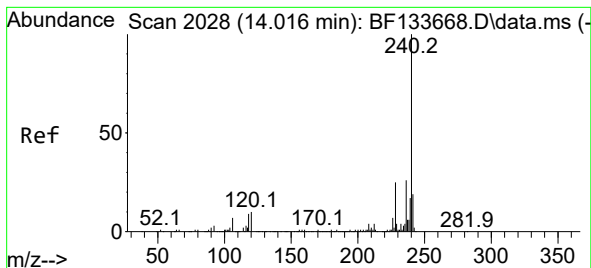
Tgt Ion:167 Resp: 27880
 Ion Ratio Lower Upper
 167 100
 166 22.1 17.0 25.6
 139 14.2 11.2 16.8



#75
 Fluoranthene
 Concen: 42.517 ng
 RT: 12.574 min Scan# 1783
 Delta R.T. -0.012 min
 Lab File: BF133741.D
 Acq: 13 Jun 2023 20:39

Tgt Ion:202 Resp: 474181
 Ion Ratio Lower Upper
 202 100
 101 10.9 0.0 29.6
 203 17.3 0.0 37.4





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.004 min Scan# 20

Delta R.T. -0.012 min

Lab File: BF133741.D

Acq: 13 Jun 2023 20:39

Instrument :

BNA_F

ClientSampleId :

SB-07-0-2.0DL

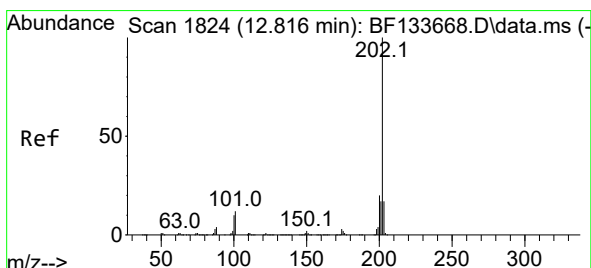
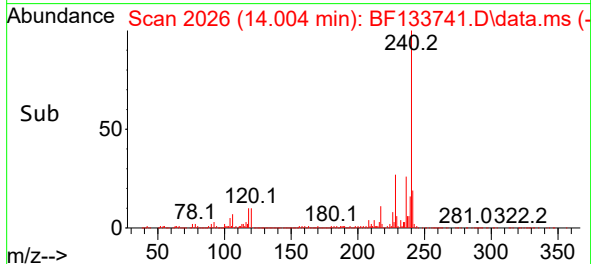
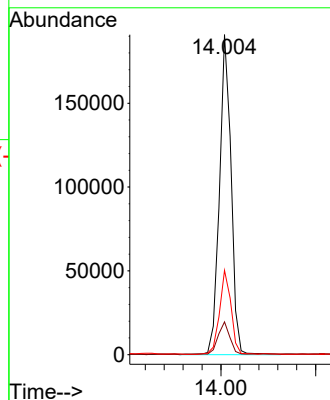
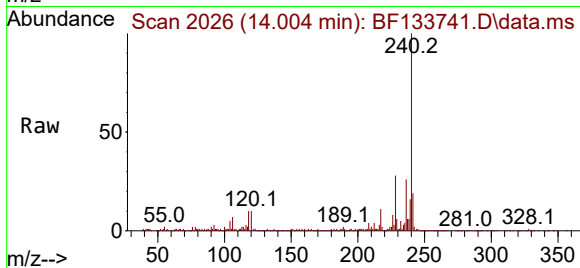
Tgt Ion:240 Resp: 162703

Ion Ratio Lower Upper

240 100

120 10.2 8.1 12.1

236 26.4 20.5 30.7



#78

Pyrene

Concen: 27.803 ng

RT: 12.804 min Scan# 1822

Delta R.T. -0.012 min

Lab File: BF133741.D

Acq: 13 Jun 2023 20:39

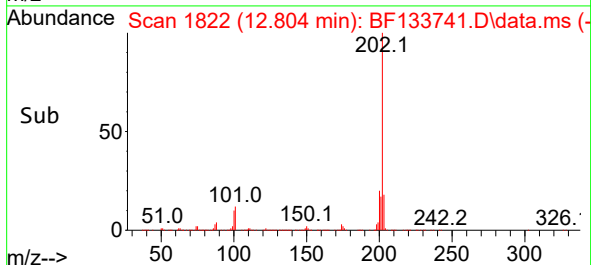
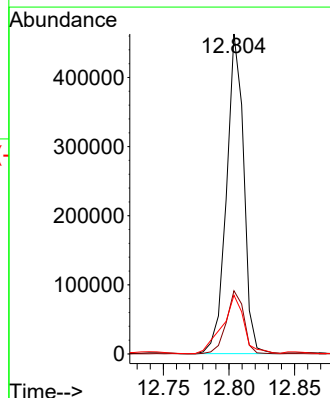
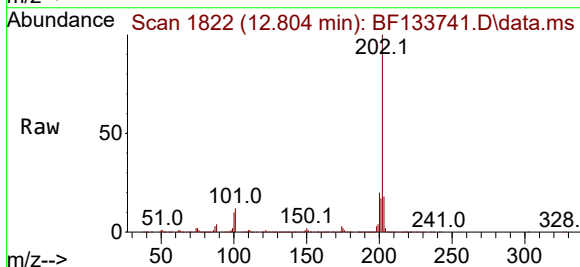
Tgt Ion:202 Resp: 421388

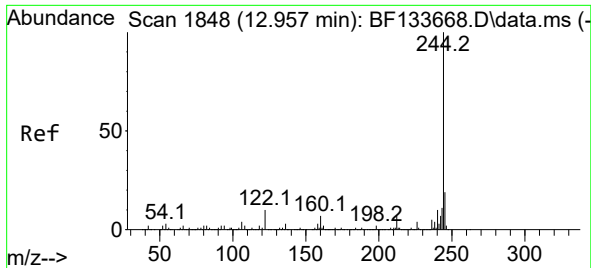
Ion Ratio Lower Upper

202 100

200 19.7 16.2 24.2

203 18.4 13.9 20.9

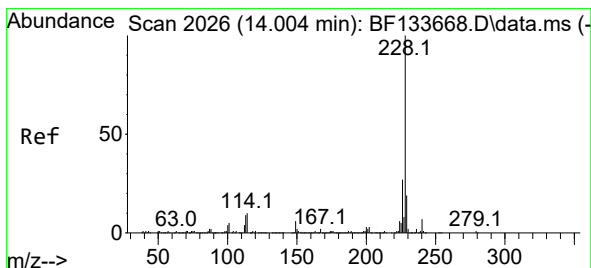
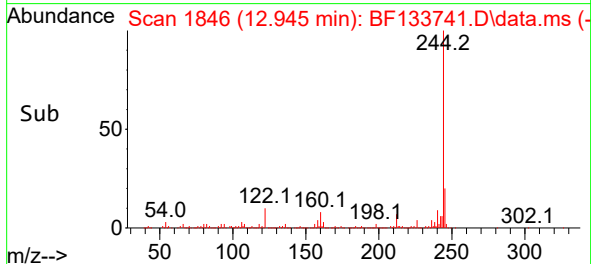
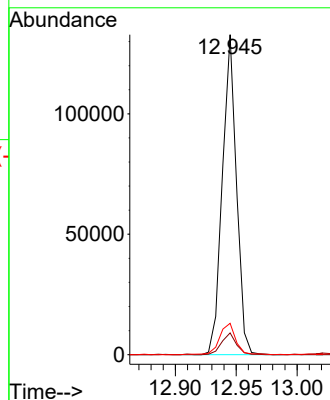
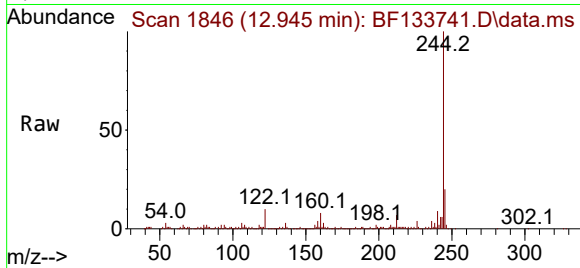




#79
 Terphenyl-d14
 Concen: 10.232 ng
 RT: 12.945 min Scan# 1846
 Delta R.T. -0.012 min
 Lab File: BF133741.D
 Acq: 13 Jun 2023 20:39

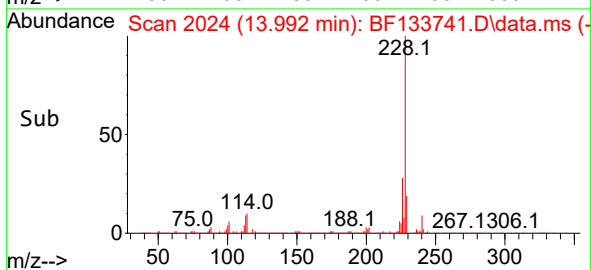
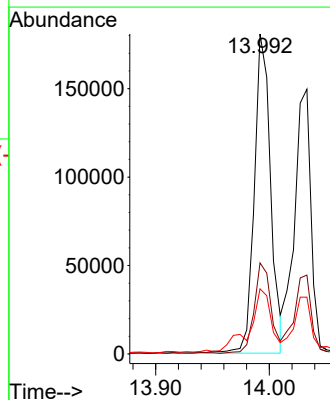
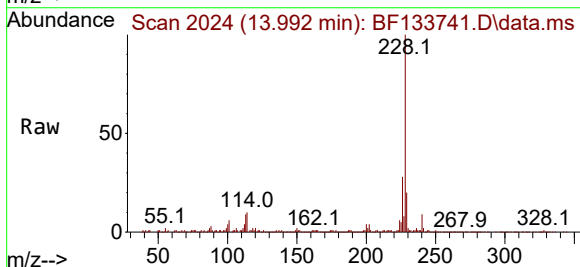
Instrument :
 BNA_F
 ClientSampleId :
 SB-07-0-2.0DL

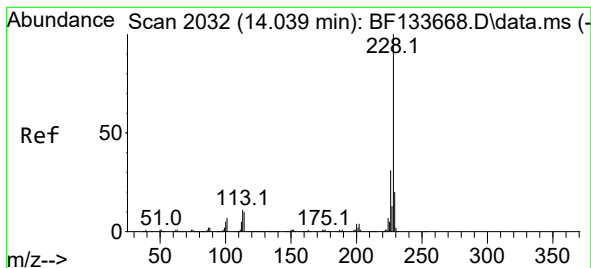
Tgt Ion:244 Resp: 107585
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.4 8.2
 122 9.8 8.1 12.1



#81
 Benzo(a)anthracene
 Concen: 16.025 ng
 RT: 13.992 min Scan# 2024
 Delta R.T. -0.012 min
 Lab File: BF133741.D
 Acq: 13 Jun 2023 20:39

Tgt Ion:228 Resp: 180350
 Ion Ratio Lower Upper
 228 100
 226 28.4 21.7 32.5
 229 20.4 15.4 23.2





#83

Chrysene

Concen: 14.288 ng

RT: 14.033 min Scan# 2032

Delta R.T. -0.012 min

Lab File: BF133741.D

Acq: 13 Jun 2023 20:39

Instrument :

BNA_F

ClientSampleId :

SB-07-0-2.0DL

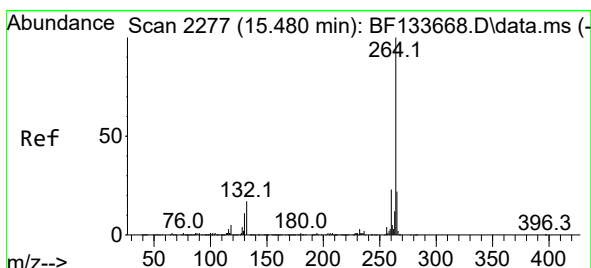
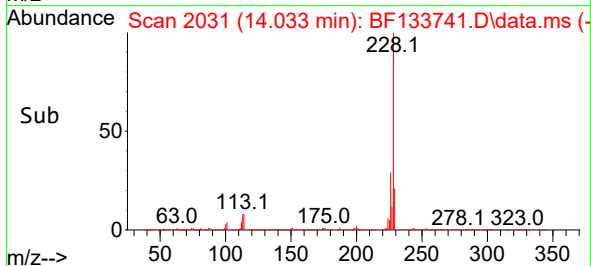
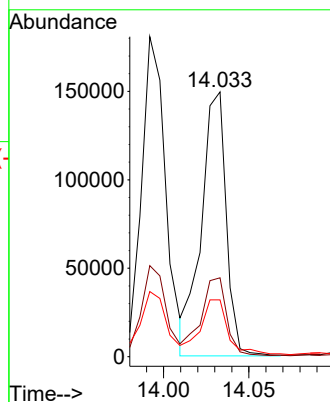
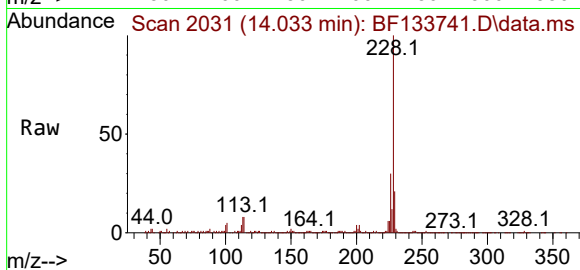
Tgt Ion:228 Resp: 152090

Ion Ratio Lower Upper

228 100

226 29.8 25.0 37.6

229 21.4 15.8 23.8



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.468 min Scan# 2275

Delta R.T. -0.012 min

Lab File: BF133741.D

Acq: 13 Jun 2023 20:39

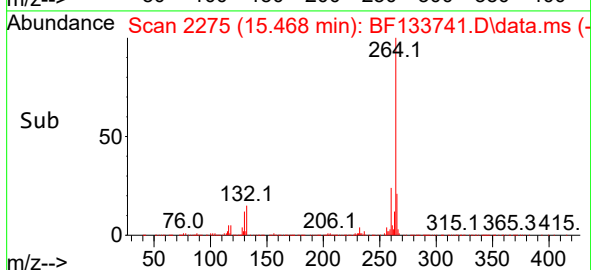
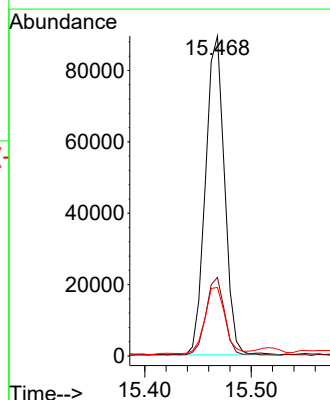
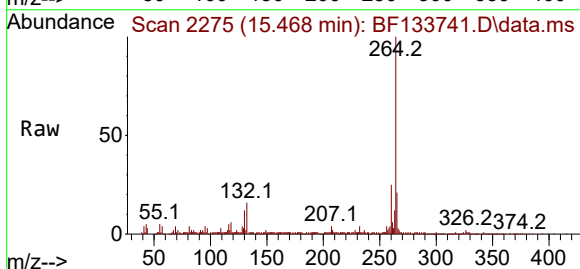
Tgt Ion:264 Resp: 110848

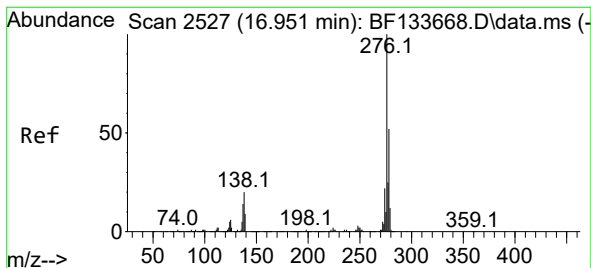
Ion Ratio Lower Upper

264 100

260 24.6 18.2 27.2

265 21.4 17.8 26.6





#87

Indeno(1,2,3-cd)pyrene

Concen: 5.708 ng

RT: 16.921 min Scan# 21

Delta R.T. -0.035 min

Lab File: BF133741.D

Acq: 13 Jun 2023 20:39

Instrument :

BNA_F

ClientSampleId :

SB-07-0-2.0DL

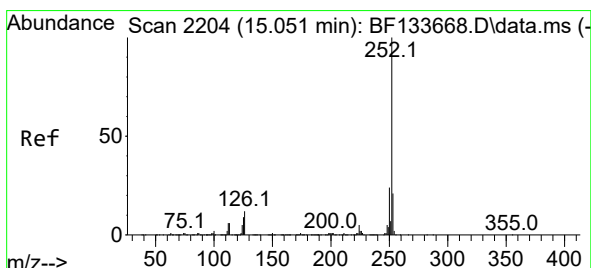
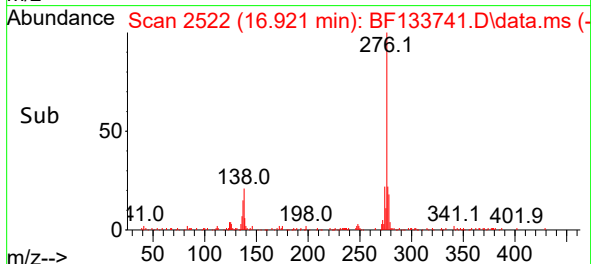
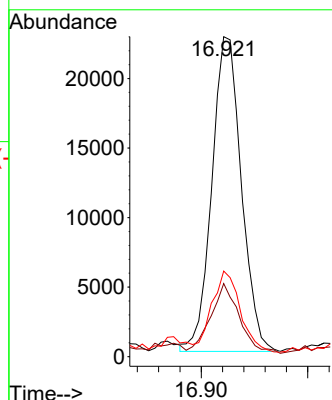
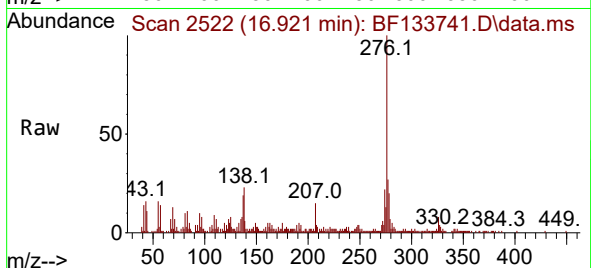
Tgt Ion:276 Resp: 43526

Ion Ratio Lower Upper

276 100

138 21.6 17.9 26.9

277 24.8 20.3 30.5



#88

Benzo(b)fluoranthene

Concen: 22.778 ng

RT: 15.039 min Scan# 2202

Delta R.T. -0.018 min

Lab File: BF133741.D

Acq: 13 Jun 2023 20:39

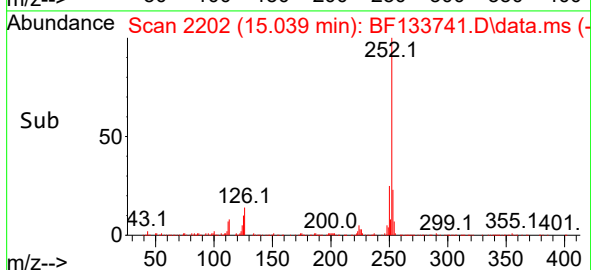
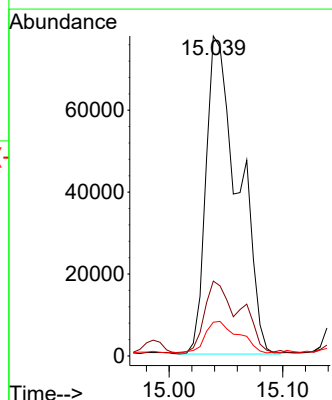
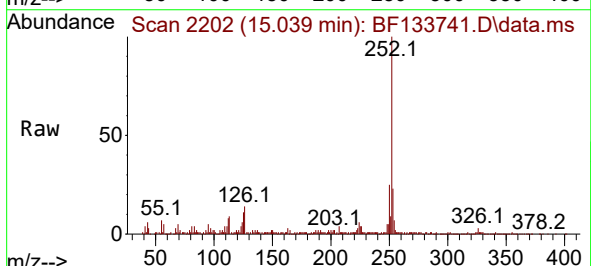
Tgt Ion:252 Resp: 153377

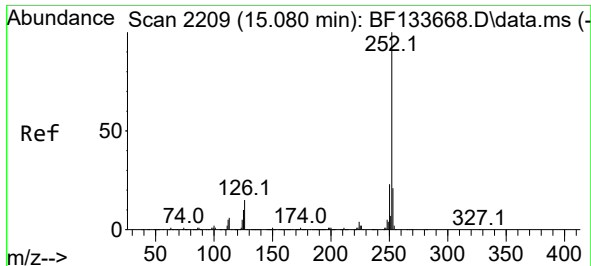
Ion Ratio Lower Upper

252 100

253 23.4 17.0 25.6

125 10.6 7.3 10.9





#89

Benzo(k)fluoranthene

Concen: 23.383 ng

RT: 15.039 min Scan# 21

Delta R.T. -0.047 min

Lab File: BF133741.D

Acq: 13 Jun 2023 20:39

Instrument :

BNA_F

ClientSampleId :

SB-07-0-2.0DL

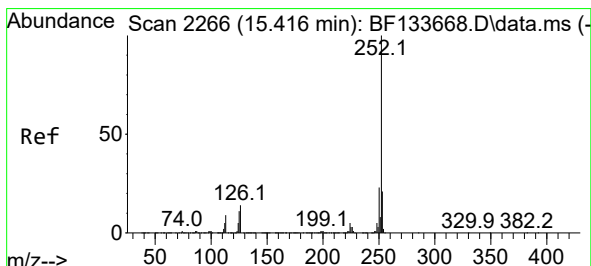
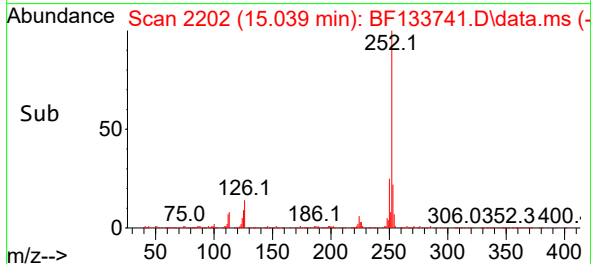
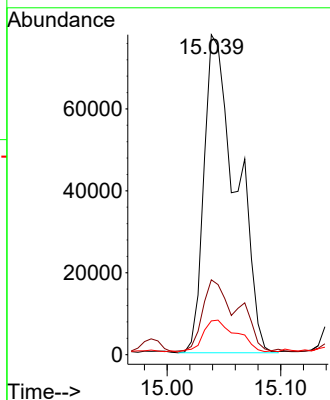
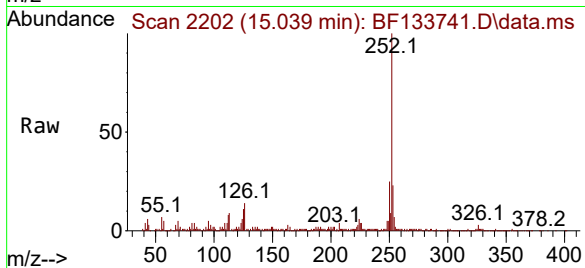
Tgt Ion:252 Resp: 153377

Ion Ratio Lower Upper

252 100

253 23.4 17.0 25.4

125 10.6 7.8 11.6



#90

Benzo(a)pyrene

Concen: 13.222 ng

RT: 15.404 min Scan# 2264

Delta R.T. -0.018 min

Lab File: BF133741.D

Acq: 13 Jun 2023 20:39

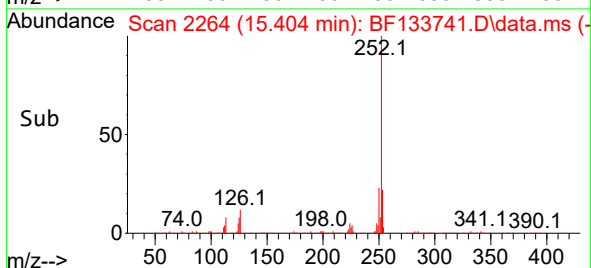
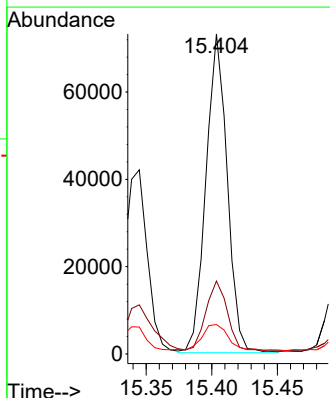
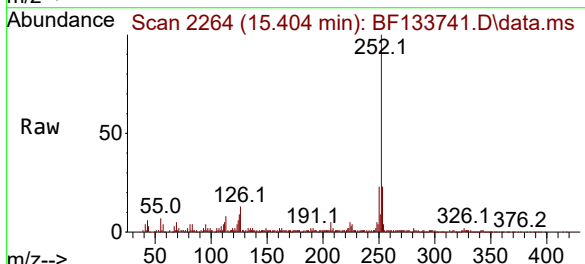
Tgt Ion:252 Resp: 82625

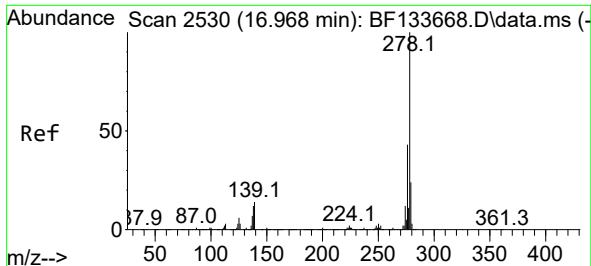
Ion Ratio Lower Upper

252 100

253 22.8 17.1 25.7

125 9.2 8.6 13.0

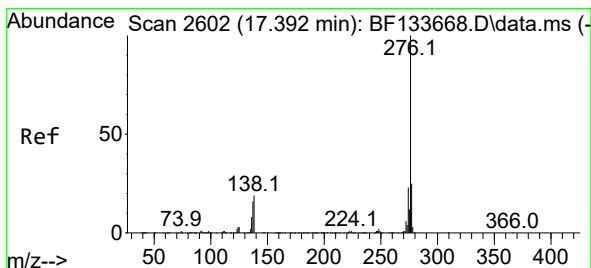
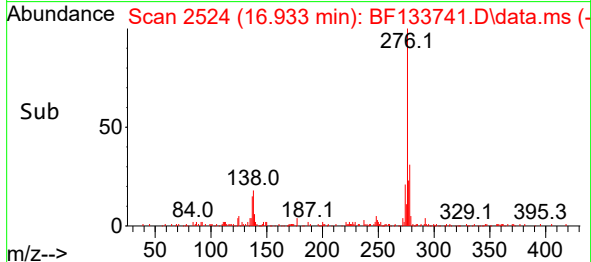
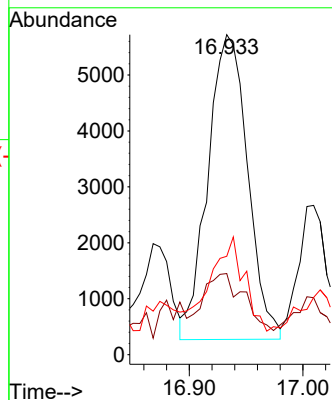
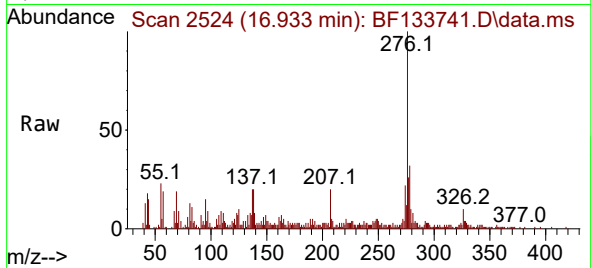




#91
Dibenzo(a,h)anthracene
Concen: 2.103 ng
RT: 16.933 min Scan# 21
Delta R.T. -0.041 min
Lab File: BF133741.D
Acq: 13 Jun 2023 20:39

Instrument :
BNA_F
ClientSampleId :
SB-07-0-2.0DL

Tgt Ion:278 Resp: 13276
Ion Ratio Lower Upper
278 100
139 25.3 11.4 17.2#
279 30.8 19.0 28.4#



#92
Benzo(g,h,i)perylene
Concen: 6.470 ng
RT: 17.362 min Scan# 2597
Delta R.T. -0.041 min
Lab File: BF133741.D
Acq: 13 Jun 2023 20:39

Tgt Ion:276 Resp: 40501
Ion Ratio Lower Upper
276 100
277 25.4 19.8 29.8
138 22.7 15.0 22.4#

