

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061223\
 Data File : BF133711.D
 Acq On : 12 Jun 2023 19:04
 Operator : CG\JU
 Sample : 03044-08
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-04-0-2.0

Quant Time: Jun 12 22:10:57 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060923.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 12 16:32:43 2023
 Response via : Initial Calibration

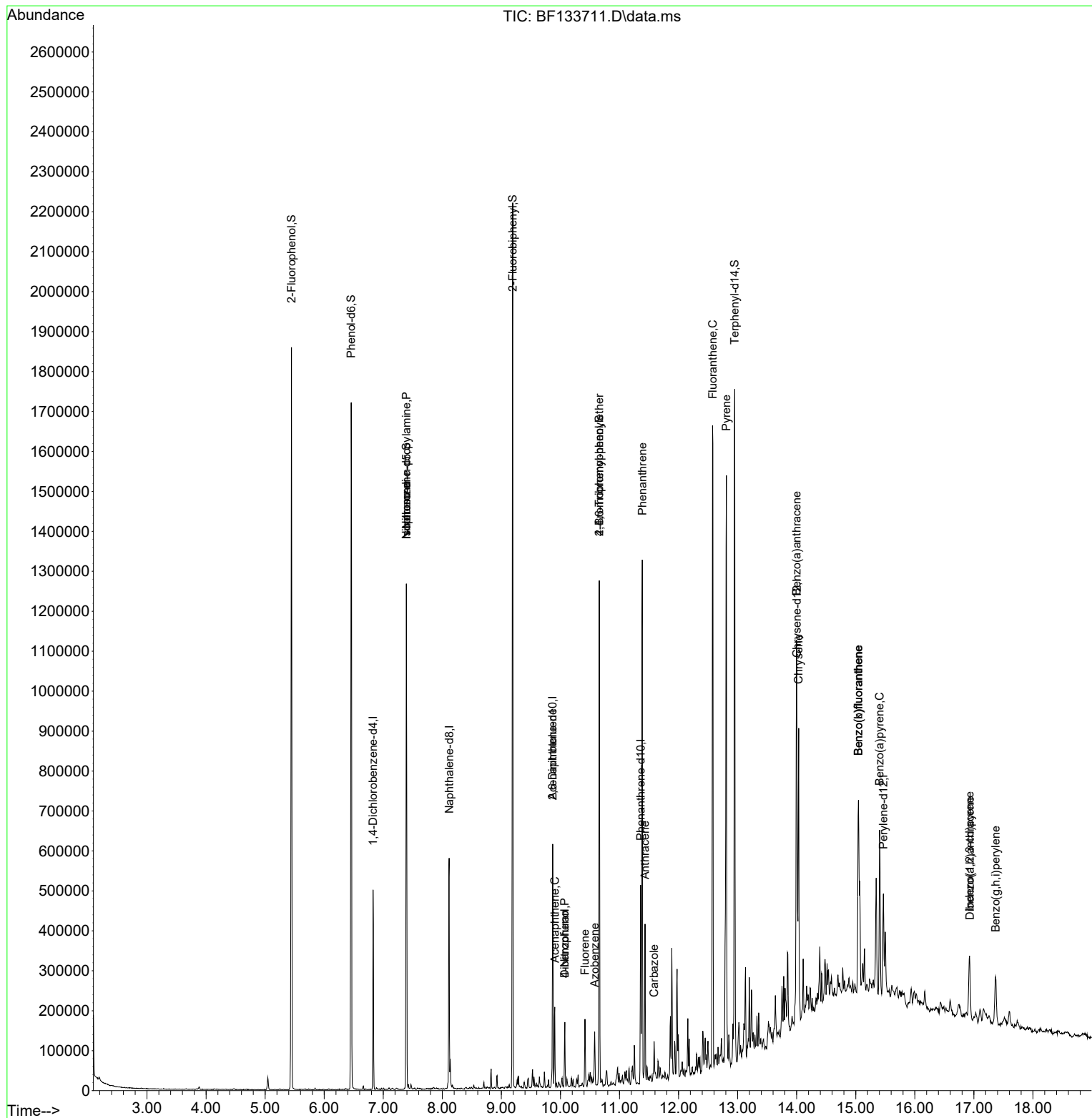
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.828	152	64863	20.000	ng	0.00
21) Naphthalene-d8	8.116	136	236506	20.000	ng	0.00
39) Acenaphthene-d10	9.869	164	103378	20.000	ng	0.00
64) Phenanthrene-d10	11.357	188	169159	20.000	ng	0.00
76) Chrysene-d12	14.004	240	136614	20.000	ng	-0.01
86) Perylene-d12	15.468	264	109529	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.446	112	432637	116.118	ng	0.00
7) Phenol-d6	6.457	99	515841	106.364	ng	-0.01
23) Nitrobenzene-d5	7.392	82	350482	80.715	ng	-0.01
42) 2,4,6-Tribromophenol	10.657	330	120355	91.974	ng	-0.01
45) 2-Fluorobiphenyl	9.192	172	618709	85.077	ng	0.00
79) Terphenyl-d14	12.951	244	568273	64.365	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.392	70	49648	16.090	ng	# 80
25) Isophorone	7.392	82	350478	43.965	ng	# 65
51) 2,6-Dinitrotoluene	9.869	165	14573	9.150	ng	# 30
52) Acenaphthene	9.904	154	38972	6.396	ng	99
55) Dibenzofuran	10.075	168	46761	5.030	ng	100
56) 4-Nitrophenol	10.075	139	19074	14.581	ng	# 12
58) Fluorene	10.416	166	40849	5.745	ng	98
63) Azobenzene	10.580	77	18503	2.489	ng	# 1
67) 4-Bromophenyl-phenylether	10.657	248	8015	4.245	ng	# 1
71) Phenanthrene	11.386	178	462835	53.929	ng	99
72) Anthracene	11.433	178	127599	14.259	ng	99
73) Carbazole	11.586	167	33392	4.006	ng	98
75) Fluoranthene	12.580	202	684582	75.115	ng	98
78) Pyrene	12.810	202	620760	48.778	ng	99
81) Benzo(a)anthracene	13.998	228	314151	33.245	ng	98
83) Chrysene	14.033	228	280245	31.356	ng	96
87) Indeno(1,2,3-cd)pyrene	16.927	276	105703	14.028	ng	97
88) Benzo(b)fluoranthene	15.045	252	367104	55.175	ng	97
89) Benzo(k)fluoranthene	15.045	252	367104	56.641	ng	97
90) Benzo(a)pyrene	15.404	252	198939	32.217	ng	97
91) Dibenzo(a,h)anthracene	16.933	278	27521	4.412	ng	# 82
92) Benzo(g,h,i)perylene	17.368	276	99195	16.037	ng	99

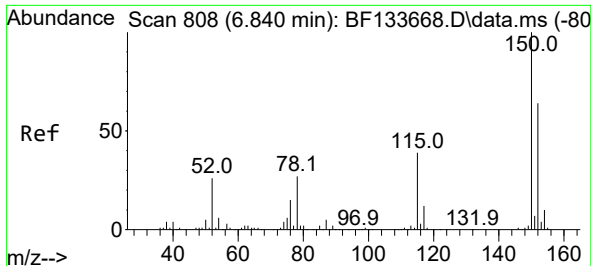
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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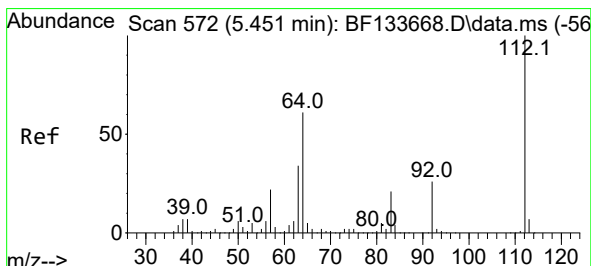
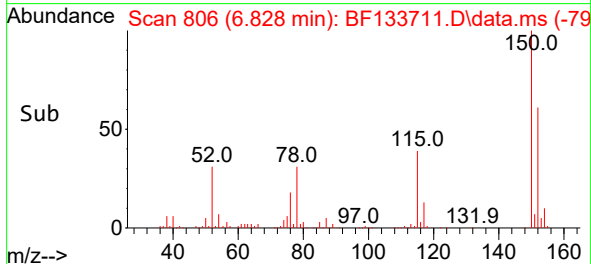
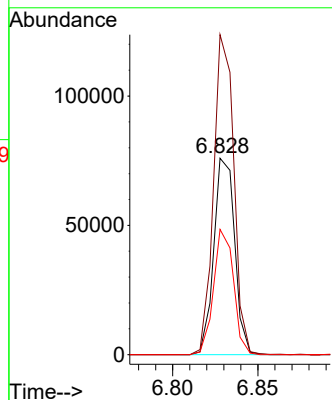
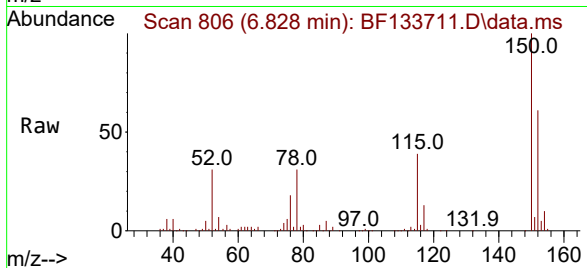




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.828 min Scan# 808
Delta R.T. -0.006 min
Lab File: BF133711.D
Acq: 12 Jun 2023 19:04

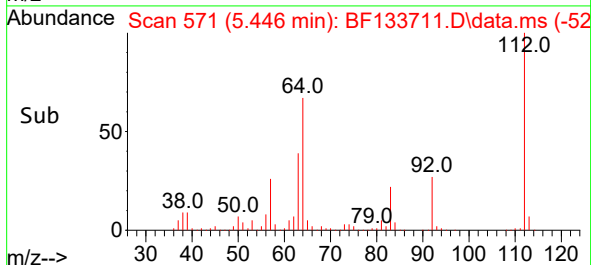
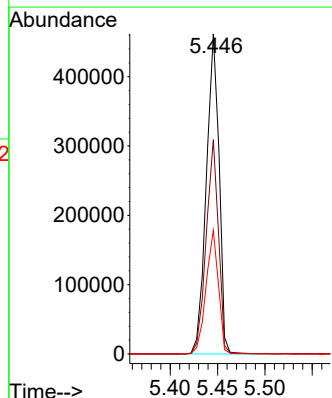
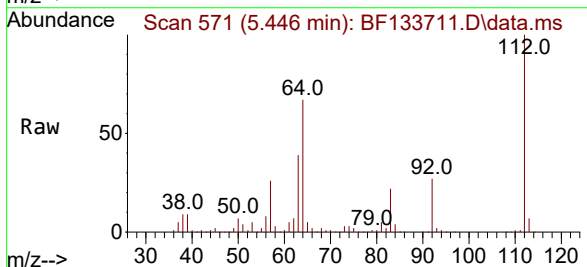
Instrument :
BNA_F
ClientSampleId :
SB-04-0-2.0

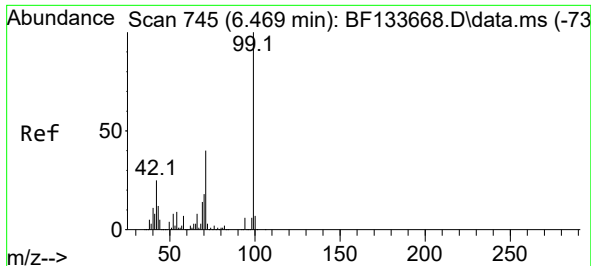
Tgt Ion:152 Resp: 64863
Ion Ratio Lower Upper
152 100
150 162.8 124.3 186.5
115 63.8 48.5 72.7



#5
2-Fluorophenol
Concen: 116.118 ng
RT: 5.446 min Scan# 571
Delta R.T. 0.000 min
Lab File: BF133711.D
Acq: 12 Jun 2023 19:04

Tgt Ion:112 Resp: 432637
Ion Ratio Lower Upper
112 100
64 66.9 49.0 73.4
63 38.6 26.8 40.2

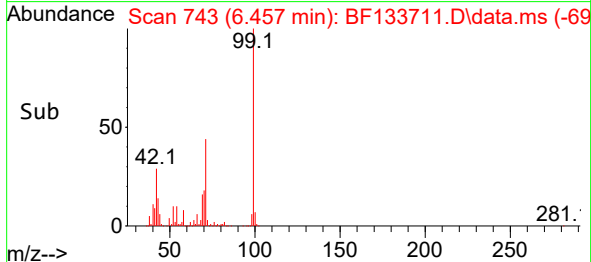
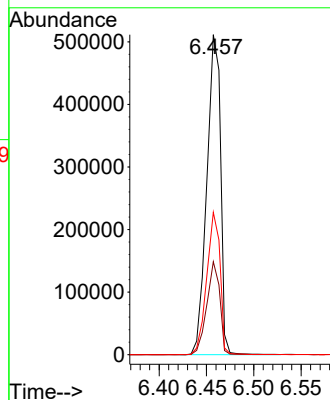
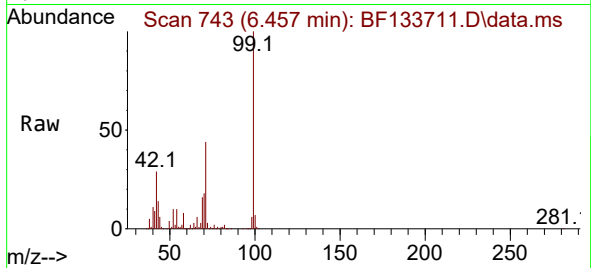




#7
Phenol-d6
Concen: 106.364 ng
RT: 6.457 min Scan# 74
Delta R.T. -0.012 min
Lab File: BF133711.D
Acq: 12 Jun 2023 19:04

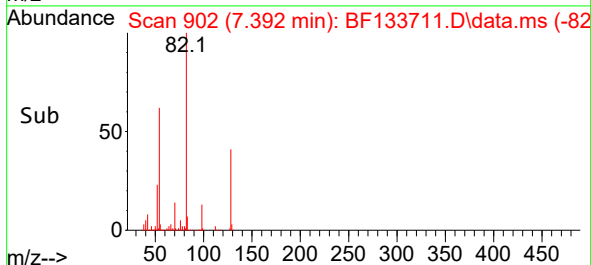
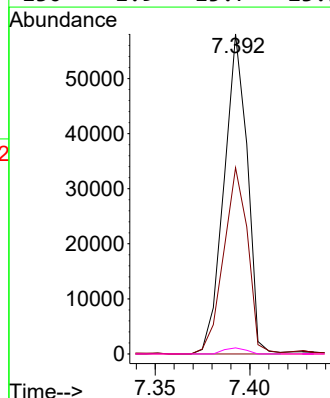
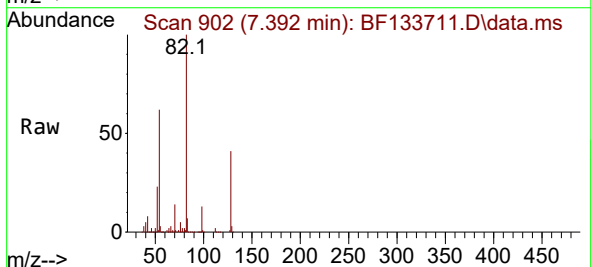
Instrument :
BNA_F
ClientSampleId :
SB-04-0-2.0

Tgt Ion: 99 Resp: 515841
Ion Ratio Lower Upper
99 100
42 29.0 19.9 29.9
71 44.5 32.2 48.4



#19
n-Nitroso-di-n-propylamine
Concen: 16.090 ng
RT: 7.392 min Scan# 902
Delta R.T. 0.141 min
Lab File: BF133711.D
Acq: 12 Jun 2023 19:04

Tgt Ion: 70 Resp: 49648
Ion Ratio Lower Upper
70 100
42 58.2 55.8 83.8
101 0.0 8.1 12.1#
130 1.9 15.7 23.5#

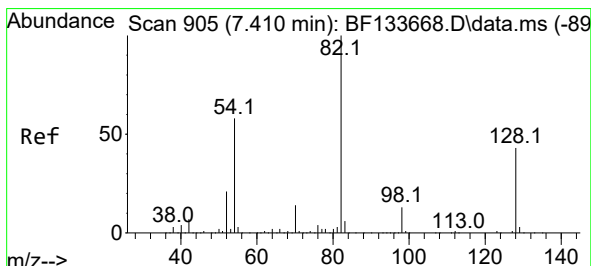
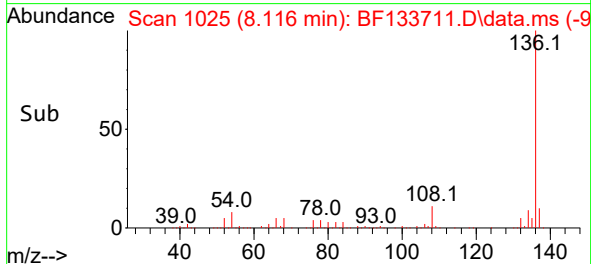
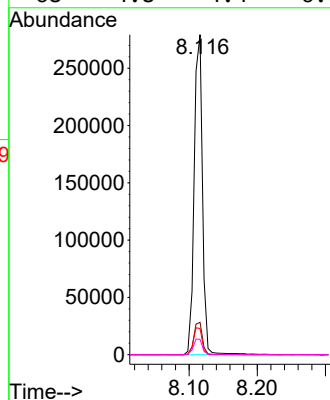
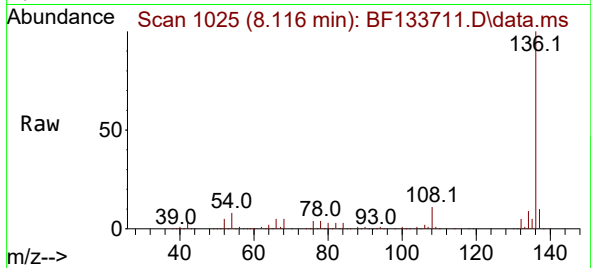




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.116 min Scan# 1025
Delta R.T. -0.006 min
Lab File: BF133711.D
Acq: 12 Jun 2023 19:04

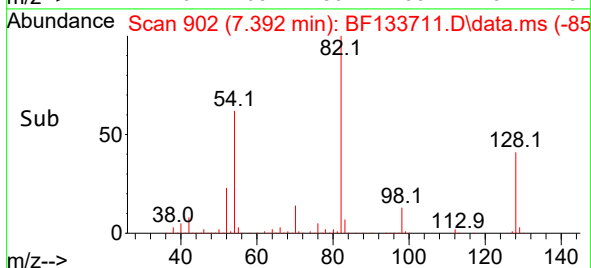
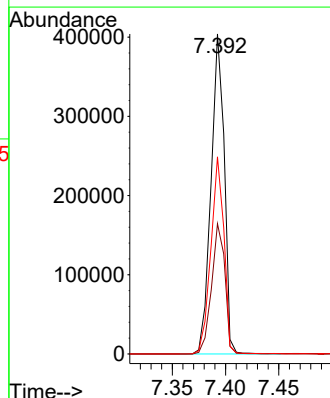
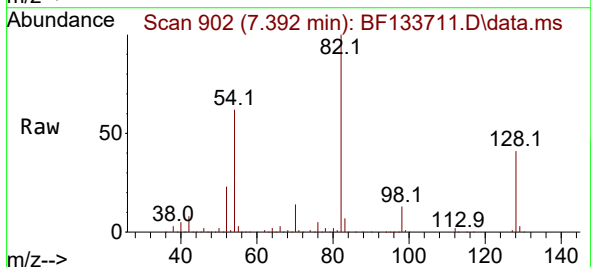
Instrument :
BNA_F
ClientSampleId :
SB-04-0-2.0

Tgt Ion:136 Resp: 236506
Ion Ratio Lower Upper
136 100
137 10.1 8.8 13.2
54 8.2 7.4 11.0
68 4.8 4.4 6.6



#23
Nitrobenzene-d5
Concen: 80.715 ng
RT: 7.392 min Scan# 902
Delta R.T. -0.012 min
Lab File: BF133711.D
Acq: 12 Jun 2023 19:04

Tgt Ion: 82 Resp: 350482
Ion Ratio Lower Upper
82 100
128 40.7 34.2 51.2
54 61.6 46.5 69.7

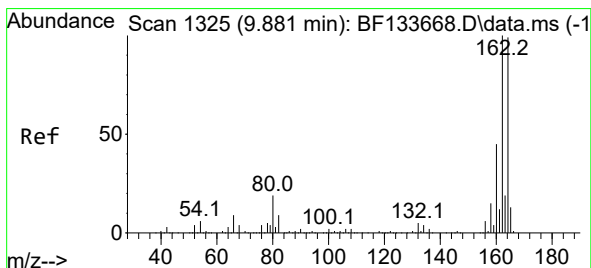
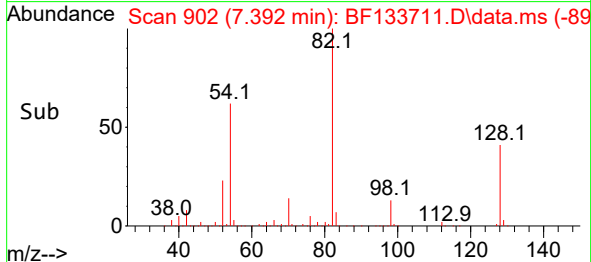
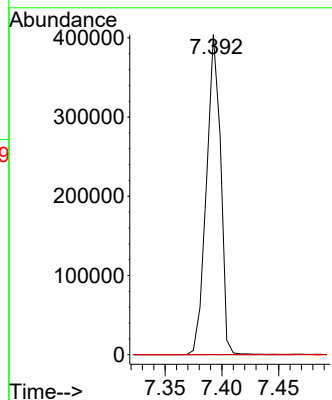
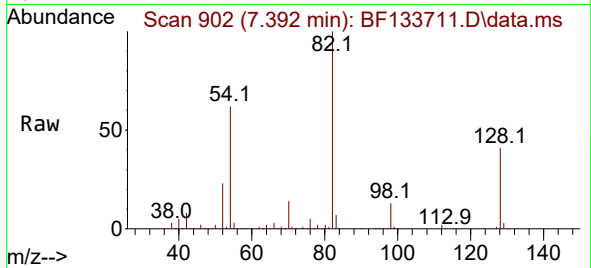




#25
Isophorone
Concen: 43.965 ng
RT: 7.392 min Scan# 90
Delta R.T. -0.265 min
Lab File: BF133711.D
Acq: 12 Jun 2023 19:04

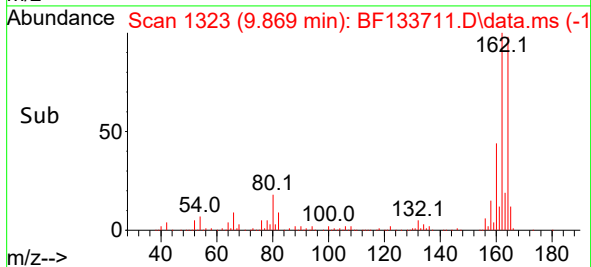
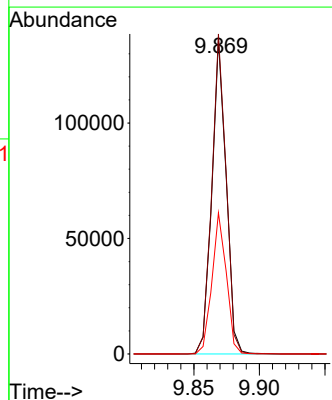
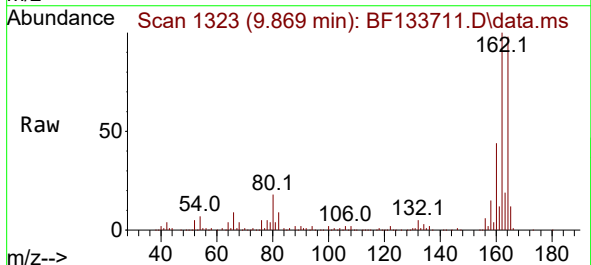
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ClientSampleId :
SB-04-0-2.0

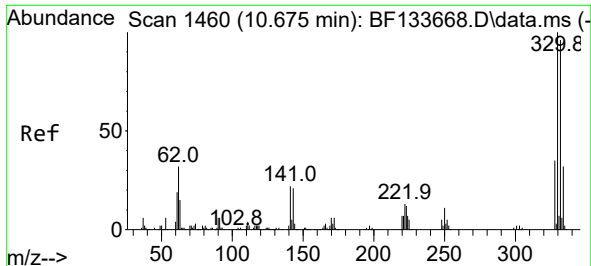
Tgt Ion: 82 Resp: 350478
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 14.2 21.2#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.869 min Scan# 1323
Delta R.T. -0.006 min
Lab File: BF133711.D
Acq: 12 Jun 2023 19:04

Tgt Ion:164 Resp: 103378
Ion Ratio Lower Upper
164 100
162 101.8 80.8 121.2
160 44.9 36.7 55.1

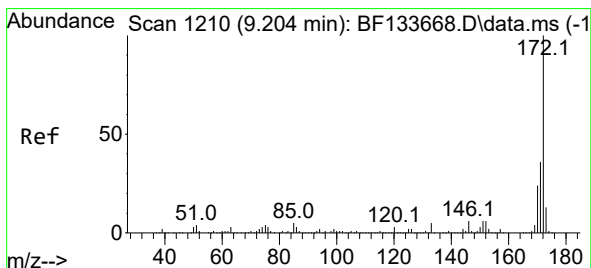
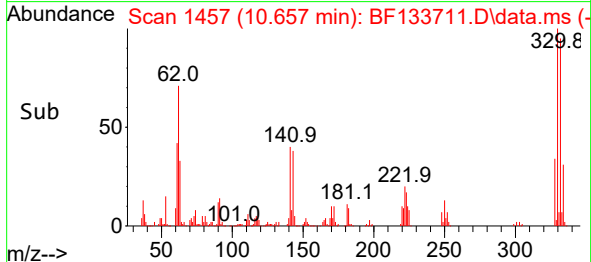
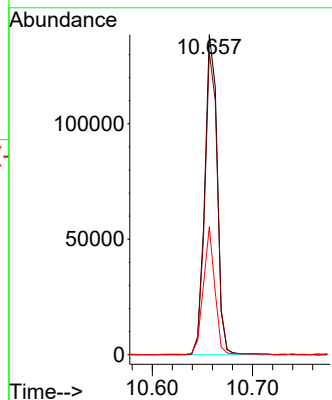
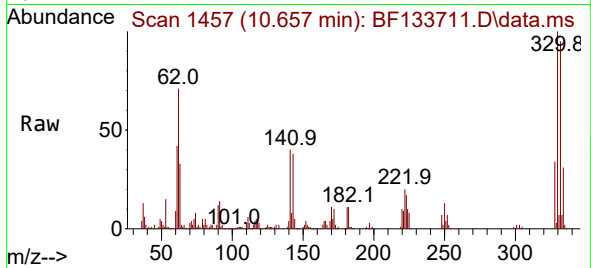




#42
2,4,6-Tribromophenol
Concen: 91.974 ng
RT: 10.657 min Scan# 1460
Delta R.T. -0.012 min
Lab File: BF133711.D
Acq: 12 Jun 2023 19:04

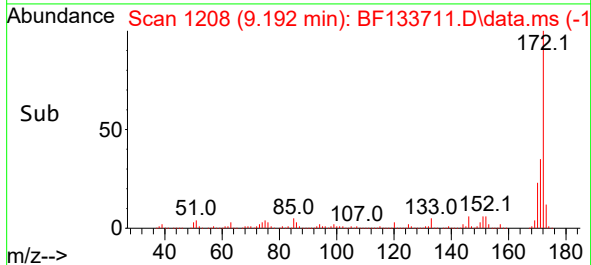
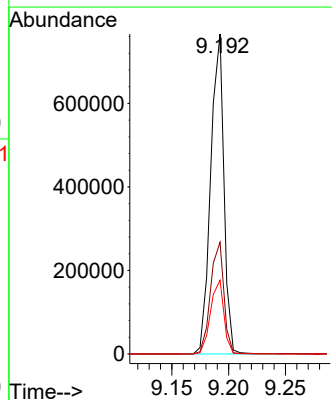
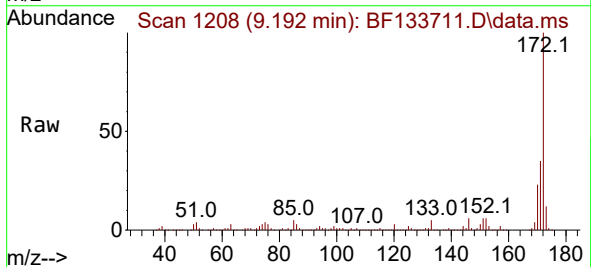
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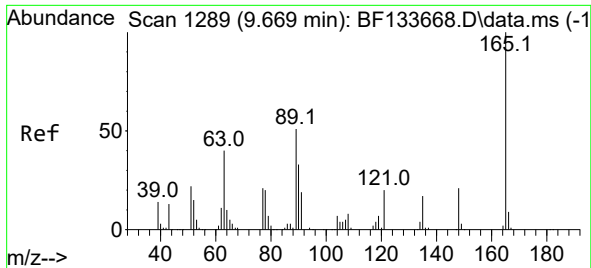
Tgt Ion:330 Resp: 120355
Ion Ratio Lower Upper
330 100
332 95.2 77.2 115.8
141 37.4 24.9 37.3#



#45
2-Fluorobiphenyl
Concen: 85.077 ng
RT: 9.192 min Scan# 1208
Delta R.T. -0.006 min
Lab File: BF133711.D
Acq: 12 Jun 2023 19:04

Tgt Ion:172 Resp: 618709
Ion Ratio Lower Upper
172 100
171 34.9 28.6 43.0
170 23.0 19.1 28.7

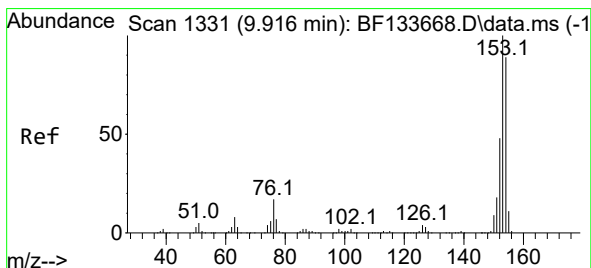
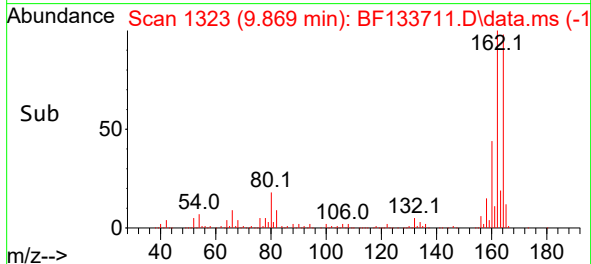
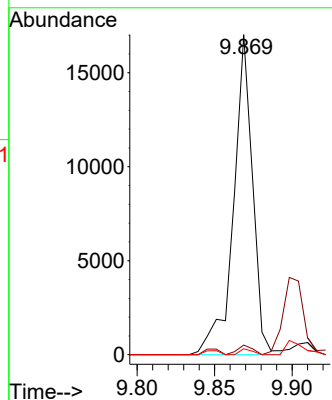
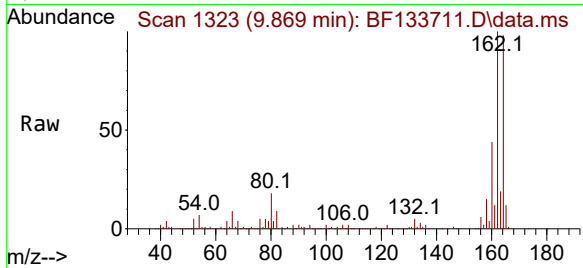




#51
2,6-Dinitrotoluene
Concen: 9.150 ng
RT: 9.869 min Scan# 11
Delta R.T. 0.206 min
Lab File: BF133711.D
Acq: 12 Jun 2023 19:04

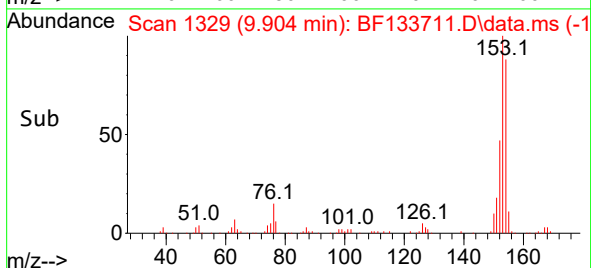
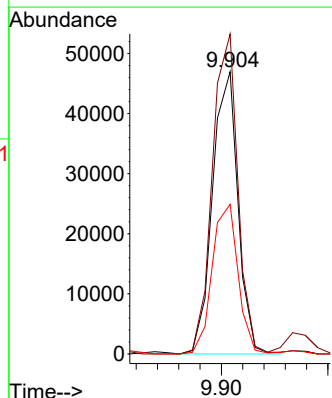
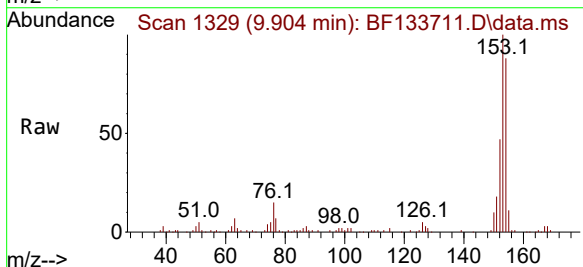
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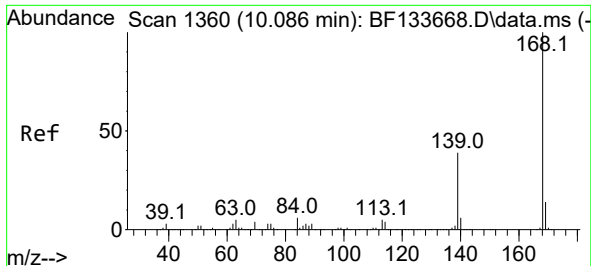
Tgt Ion:165 Resp: 14573
Ion Ratio Lower Upper
165 100
63 3.0 42.1 63.1#
89 1.8 40.9 61.3#



#52
Acenaphthene
Concen: 6.396 ng
RT: 9.904 min Scan# 1329
Delta R.T. -0.006 min
Lab File: BF133711.D
Acq: 12 Jun 2023 19:04

Tgt Ion:154 Resp: 38972
Ion Ratio Lower Upper
154 100
153 113.4 89.8 134.8
152 53.0 43.4 65.2

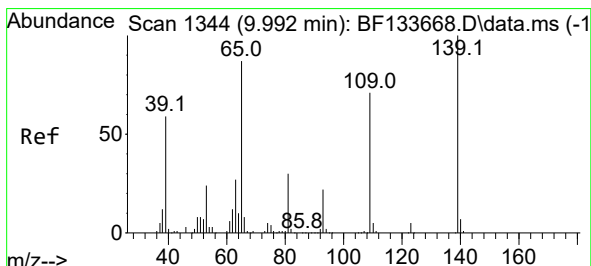
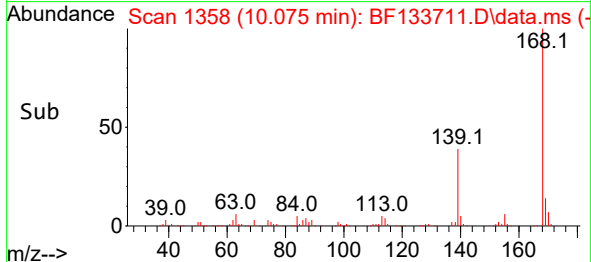
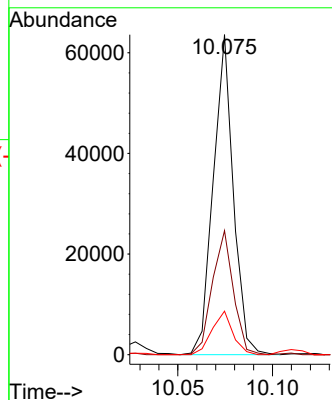
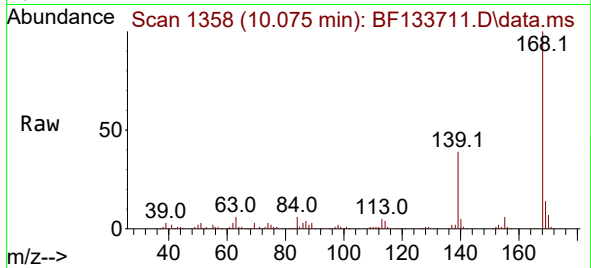




#55
Dibenzenofuran
Concen: 5.030 ng
RT: 10.075 min Scan# 1358
Delta R.T. -0.012 min
Lab File: BF133711.D
Acq: 12 Jun 2023 19:04

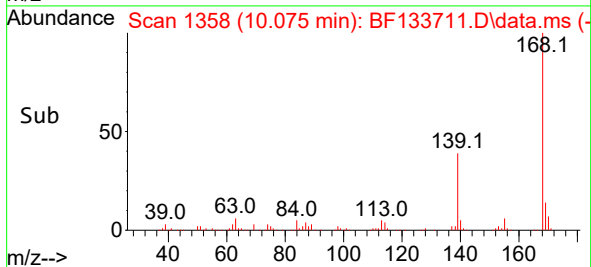
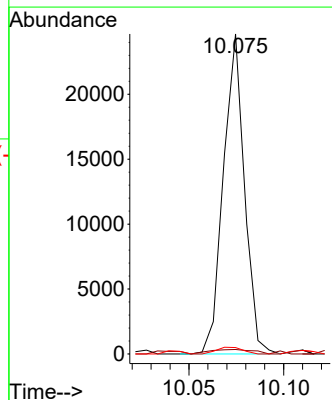
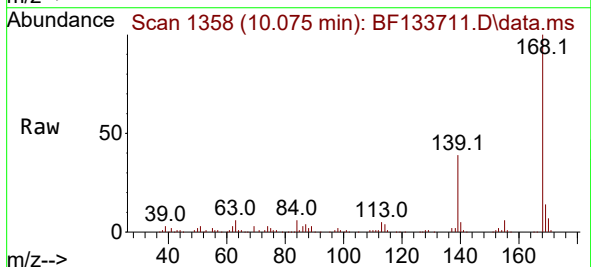
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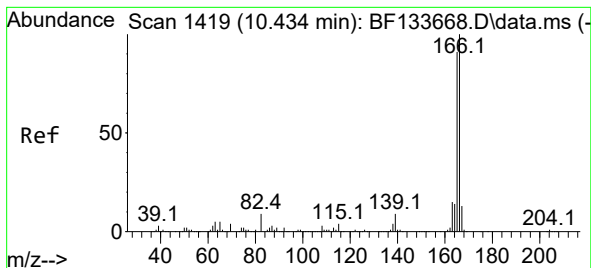
Tgt Ion:168 Resp: 46761
Ion Ratio Lower Upper
168 100
139 38.7 30.9 46.3
169 13.6 10.9 16.3



#56
4-Nitrophenol
Concen: 14.581 ng
RT: 10.075 min Scan# 1358
Delta R.T. 0.088 min
Lab File: BF133711.D
Acq: 12 Jun 2023 19:04

Tgt Ion:139 Resp: 19074
Ion Ratio Lower Upper
139 100
109 1.4 50.7 90.7#
65 2.0 67.1 107.1#





#58

Fluorene

Concen: 5.745 ng

RT: 10.416 min Scan# 1416

Delta R.T. -0.012 min

Lab File: BF133711.D

Acq: 12 Jun 2023 19:04

Instrument :

BNA_F

ClientSampleId :

SB-04-0-2.0

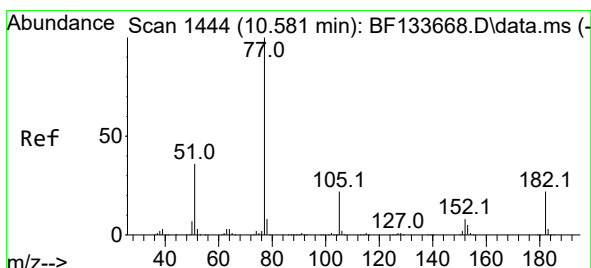
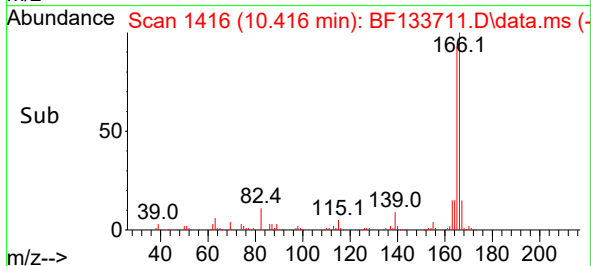
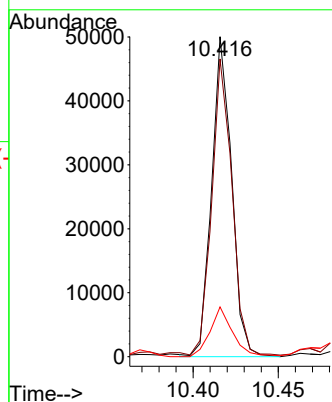
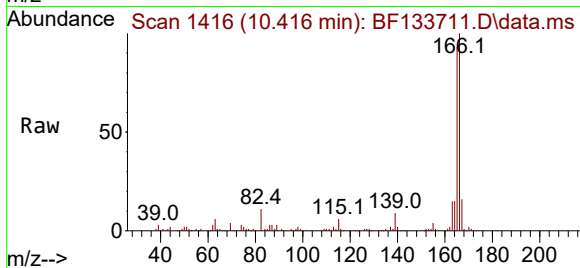
Tgt Ion:166 Resp: 40849

Ion Ratio Lower Upper

166 100

165 93.1 73.1 109.7

167 15.5 10.5 15.7



#63

Azobenzene

Concen: 2.489 ng

RT: 10.580 min Scan# 1444

Delta R.T. 0.000 min

Lab File: BF133711.D

Acq: 12 Jun 2023 19:04

Tgt Ion: 77 Resp: 18503

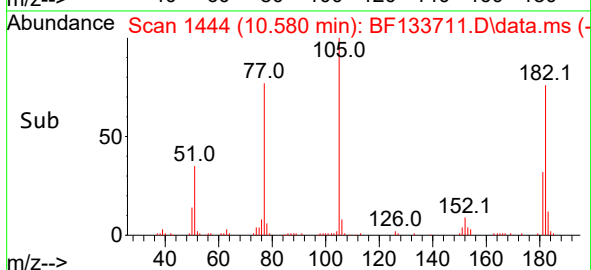
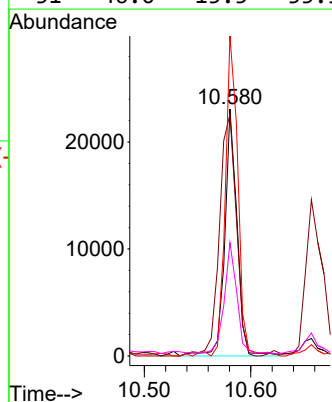
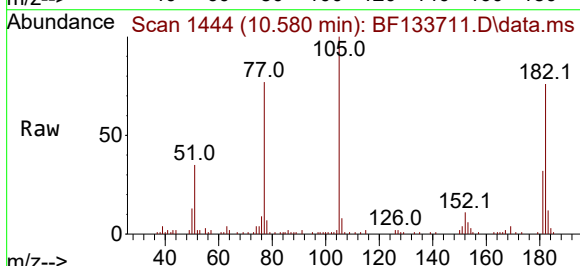
Ion Ratio Lower Upper

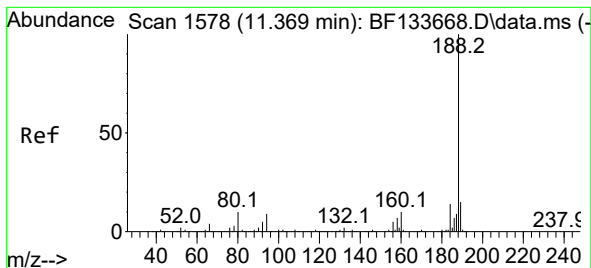
77 100

182 97.9 1.6 41.6#

105 129.6 1.6 41.6#

51 46.0 15.5 55.5





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.357 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF133711.D

Acq: 12 Jun 2023 19:04

Instrument :

BNA_F

ClientSampleId :

SB-04-0-2.0

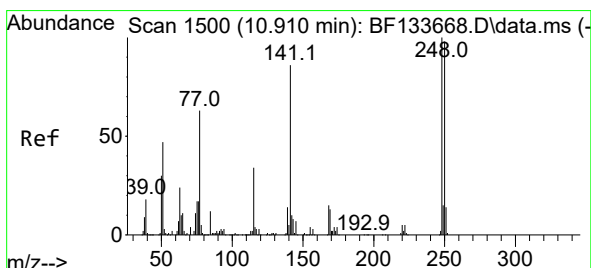
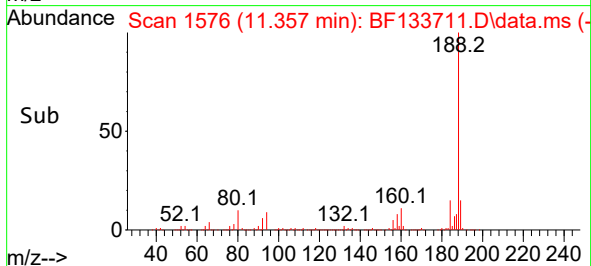
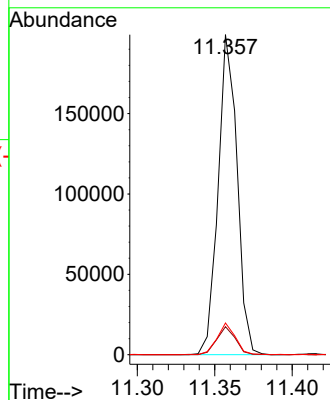
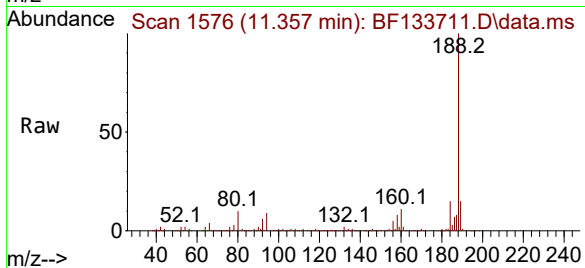
Tgt Ion:188 Resp: 169159

Ion Ratio Lower Upper

188 100

94 8.8 6.8 10.2

80 9.9 7.8 11.6



#67

4-Bromophenyl-phenylether

Concen: 4.245 ng

RT: 10.657 min Scan# 1457

Delta R.T. -0.253 min

Lab File: BF133711.D

Acq: 12 Jun 2023 19:04

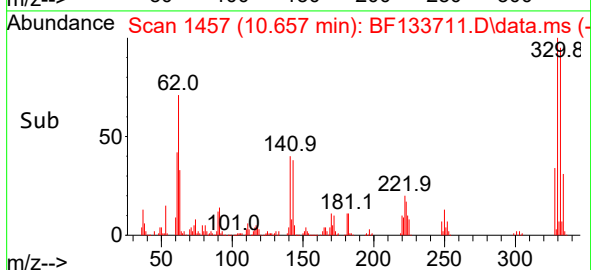
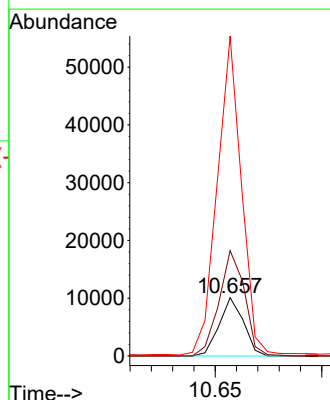
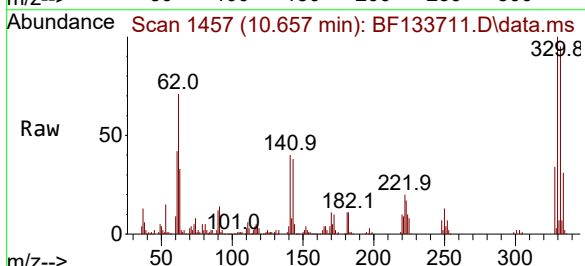
Tgt Ion:248 Resp: 8015

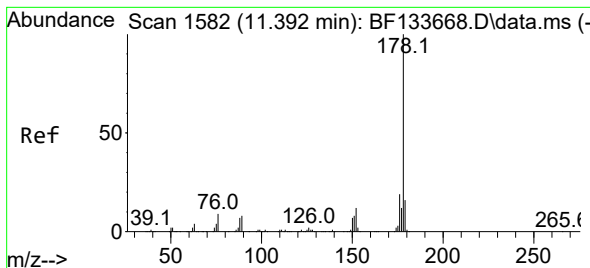
Ion Ratio Lower Upper

248 100

250 180.6 78.3 117.5#

141 548.8 69.0 103.6#





#71

Phenanthrene

Concen: 53.929 ng

RT: 11.386 min Scan# 1581

Delta R.T. -0.006 min

Lab File: BF133711.D

Acq: 12 Jun 2023 19:04

Instrument :

BNA_F

ClientSampleId :

SB-04-0-2.0

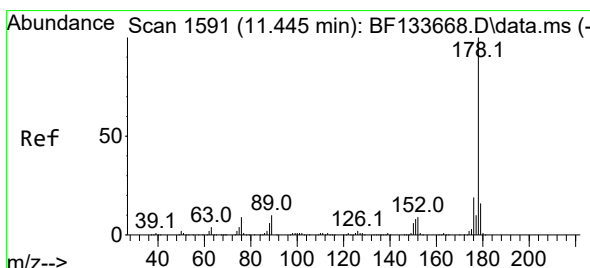
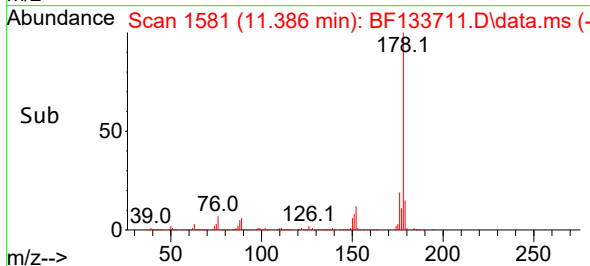
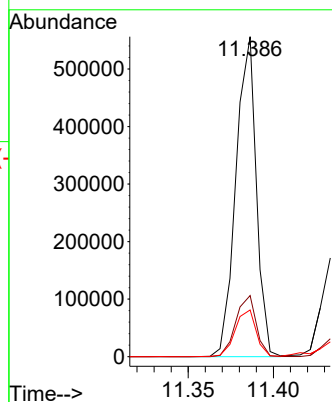
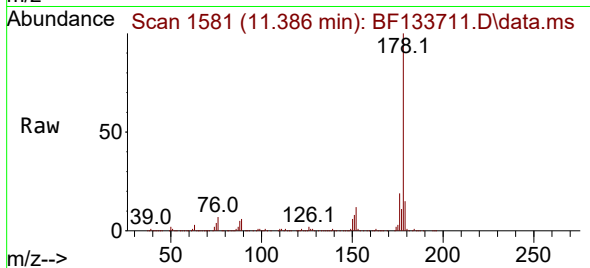
Tgt Ion:178 Resp: 462835

Ion Ratio Lower Upper

178 100

176 19.1 15.6 23.4

179 14.6 12.4 18.6



#72

Anthracene

Concen: 14.259 ng

RT: 11.433 min Scan# 1589

Delta R.T. -0.012 min

Lab File: BF133711.D

Acq: 12 Jun 2023 19:04

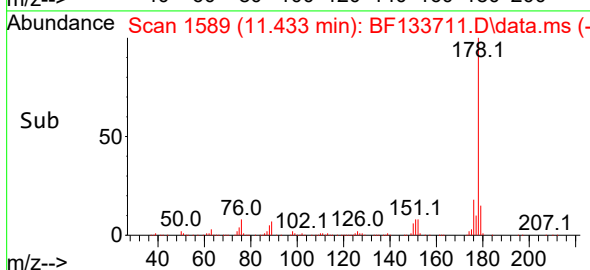
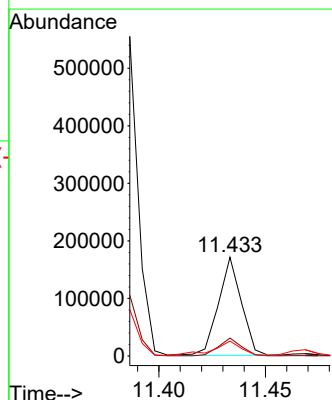
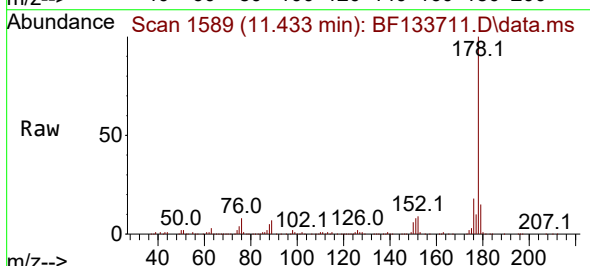
Tgt Ion:178 Resp: 127599

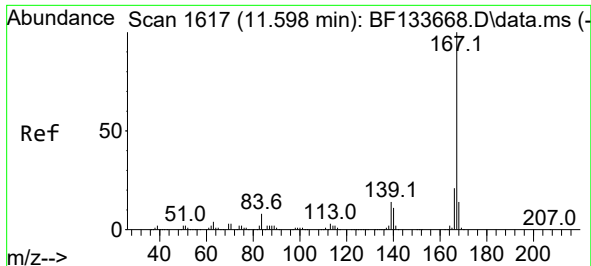
Ion Ratio Lower Upper

178 100

176 18.2 15.1 22.7

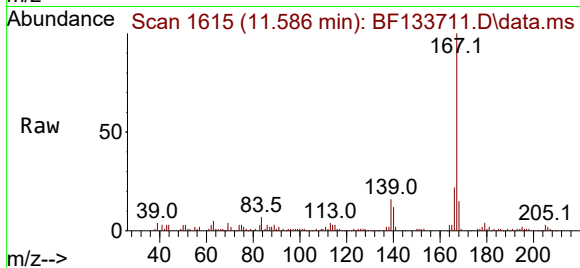
179 15.2 12.6 18.8



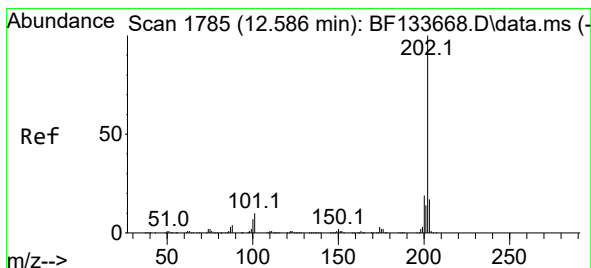
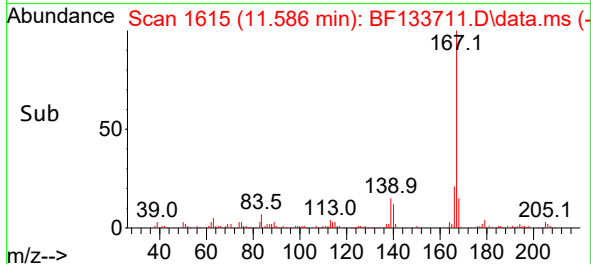
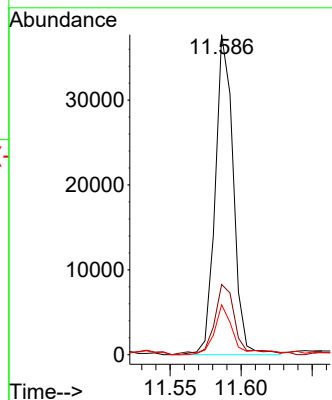


#73
Carbazole
Concen: 4.006 ng
RT: 11.586 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF133711.D
Acq: 12 Jun 2023 19:04

Instrument :
BNA_F
ClientSampleId :
SB-04-0-2.0

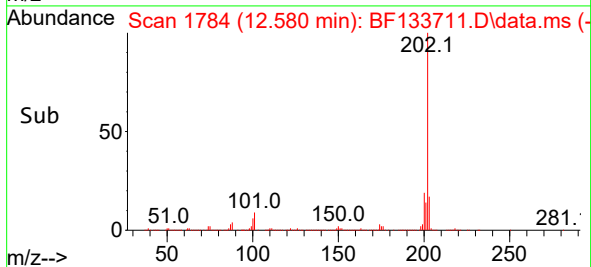
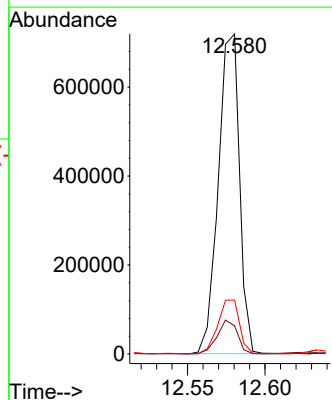
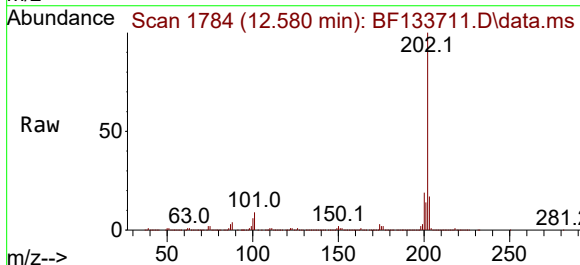


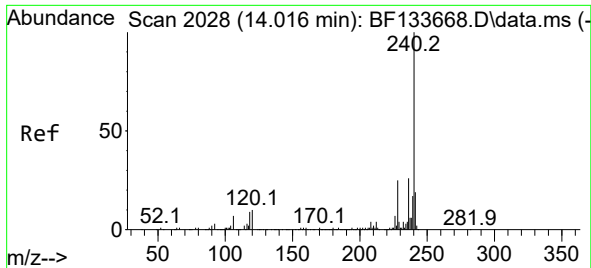
Tgt Ion:167 Resp: 33392
Ion Ratio Lower Upper
167 100
166 21.9 17.0 25.6
139 15.6 11.2 16.8



#75
Fluoranthene
Concen: 75.115 ng
RT: 12.580 min Scan# 1784
Delta R.T. 0.000 min
Lab File: BF133711.D
Acq: 12 Jun 2023 19:04

Tgt Ion:202 Resp: 684582
Ion Ratio Lower Upper
202 100
101 8.8 0.0 29.6
203 16.8 0.0 37.4

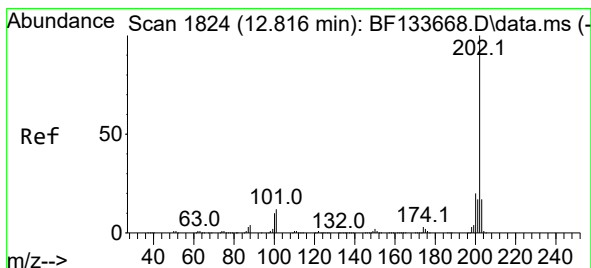
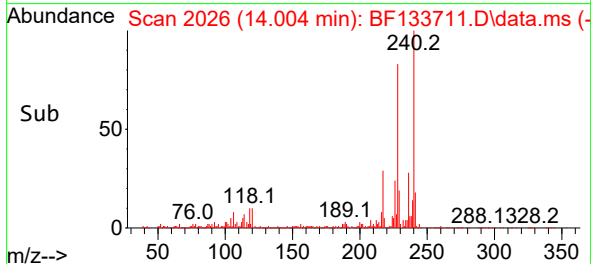
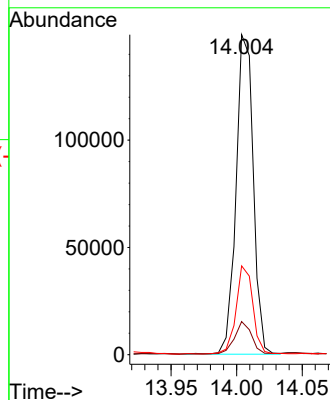
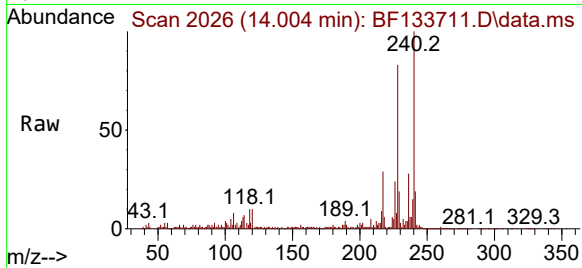




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.004 min Scan# 20
Delta R.T. -0.012 min
Lab File: BF133711.D
Acq: 12 Jun 2023 19:04

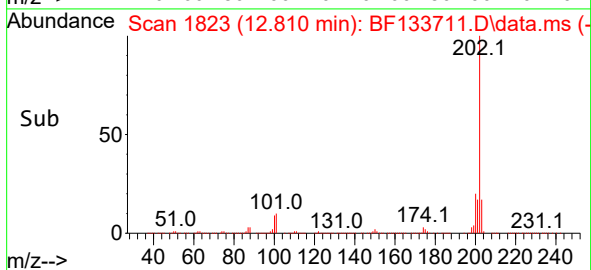
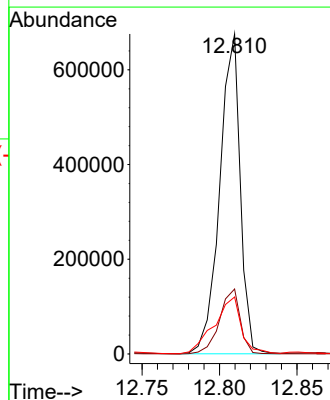
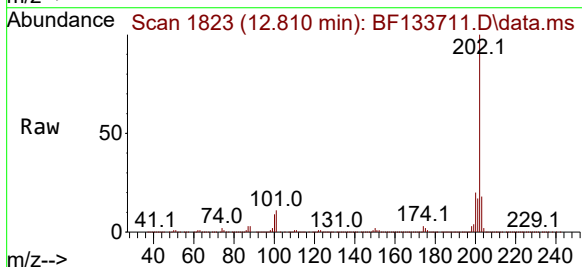
Instrument :
BNA_F
ClientSampleId :
SB-04-0-2.0

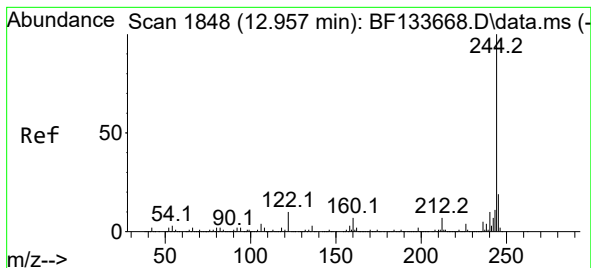
Tgt Ion:240 Resp: 136614
Ion Ratio Lower Upper
240 100
120 10.4 8.1 12.1
236 27.7 20.5 30.7



#78
Pyrene
Concen: 48.778 ng
RT: 12.810 min Scan# 1823
Delta R.T. 0.000 min
Lab File: BF133711.D
Acq: 12 Jun 2023 19:04

Tgt Ion:202 Resp: 620760
Ion Ratio Lower Upper
202 100
200 20.3 16.2 24.2
203 17.8 13.9 20.9





#79

Terphenyl-d14

Concen: 64.365 ng

RT: 12.951 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF133711.D

Acq: 12 Jun 2023 19:04

Instrument :

BNA_F

ClientSampleId :

SB-04-0-2.0

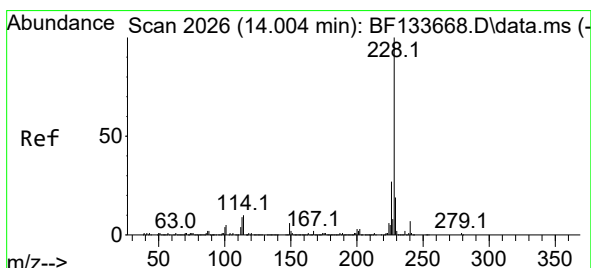
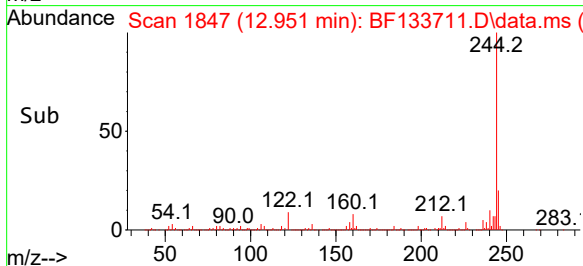
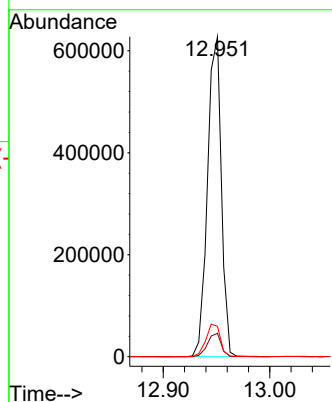
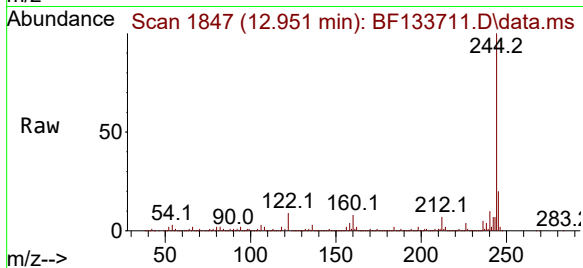
Tgt Ion:244 Resp: 568273

Ion Ratio Lower Upper

244 100

212 7.3 5.4 8.2

122 9.5 8.1 12.1



#81

Benzo(a)anthracene

Concen: 33.245 ng

RT: 13.998 min Scan# 2025

Delta R.T. -0.006 min

Lab File: BF133711.D

Acq: 12 Jun 2023 19:04

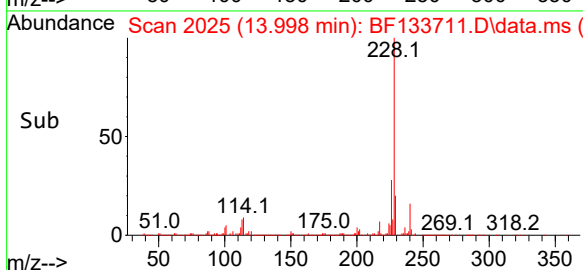
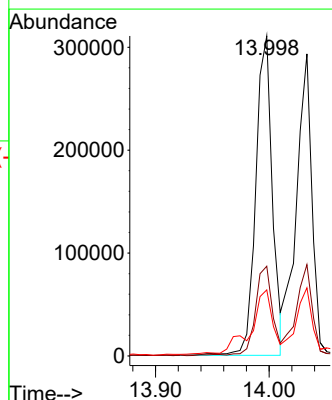
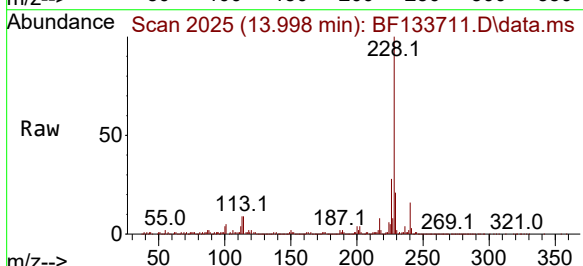
Tgt Ion:228 Resp: 314151

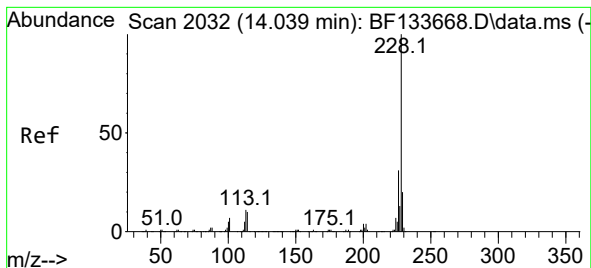
Ion Ratio Lower Upper

228 100

226 28.0 21.7 32.5

229 20.6 15.4 23.2





#83

Chrysene

Concen: 31.356 ng

RT: 14.033 min Scan# 2032

Delta R.T. -0.006 min

Lab File: BF133711.D

Acq: 12 Jun 2023 19:04

Instrument :

BNA_F

ClientSampleId :

SB-04-0-2.0

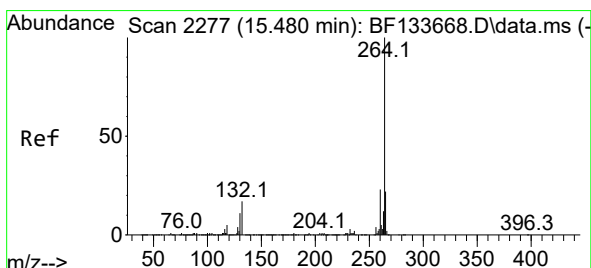
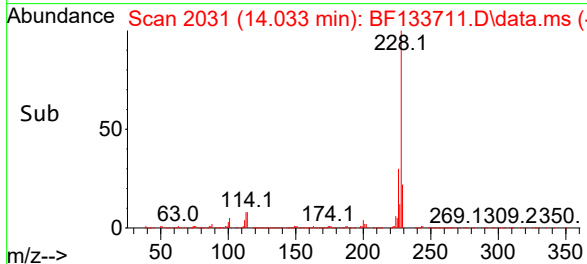
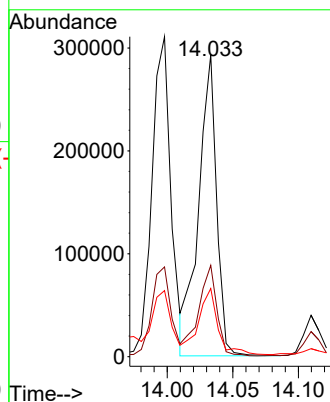
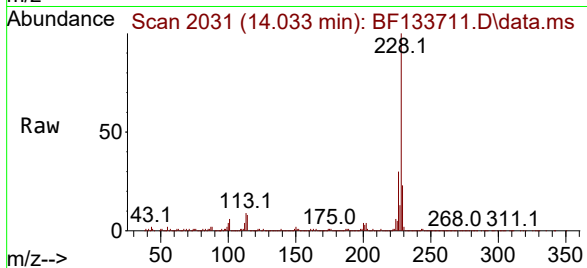
Tgt Ion:228 Resp: 280245

Ion Ratio Lower Upper

228 100

226 30.2 25.0 37.6

229 22.6 15.8 23.8



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.468 min Scan# 2275

Delta R.T. -0.006 min

Lab File: BF133711.D

Acq: 12 Jun 2023 19:04

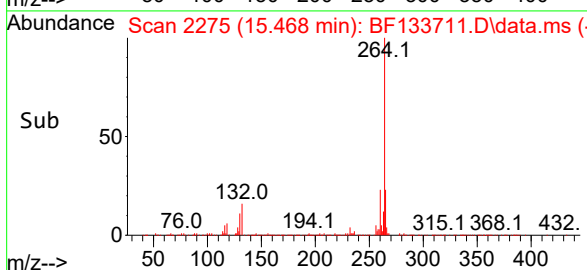
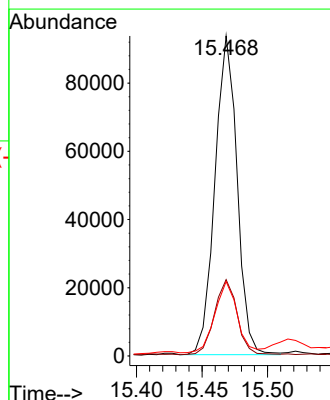
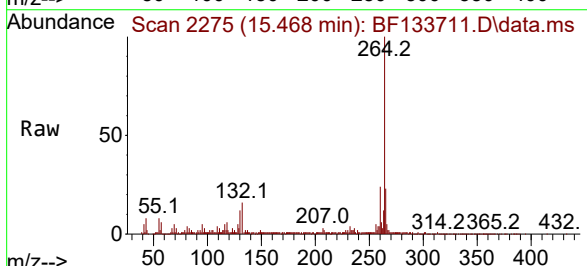
Tgt Ion:264 Resp: 109529

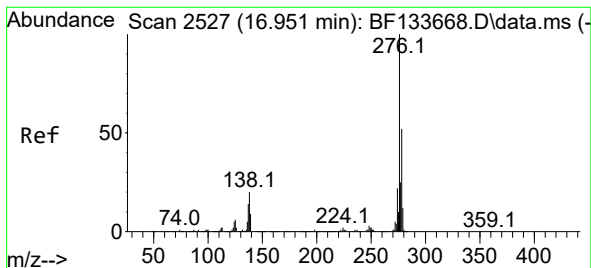
Ion Ratio Lower Upper

264 100

260 23.9 18.2 27.2

265 23.3 17.8 26.6





#87

Indeno(1,2,3-cd)pyrene

Concen: 14.028 ng

RT: 16.927 min Scan# 21

Delta R.T. -0.018 min

Lab File: BF133711.D

Acq: 12 Jun 2023 19:04

Instrument :

BNA_F

ClientSampleId :

SB-04-0-2.0

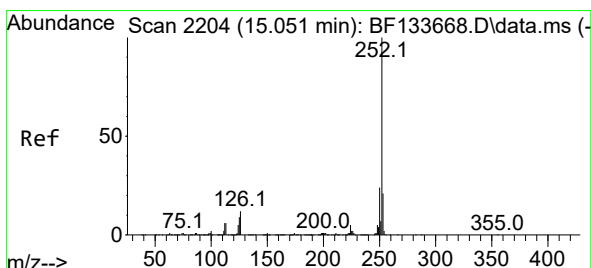
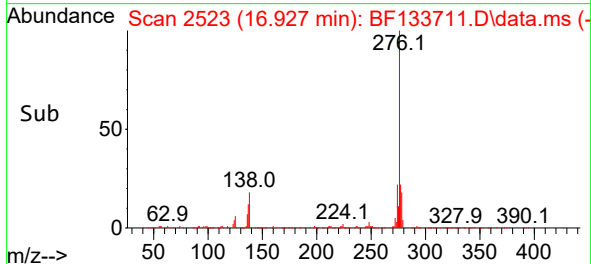
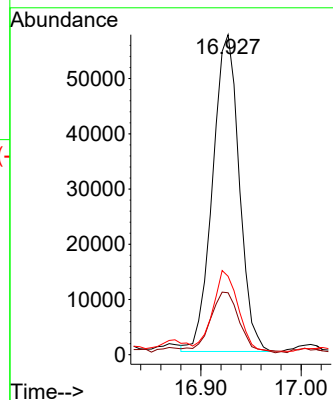
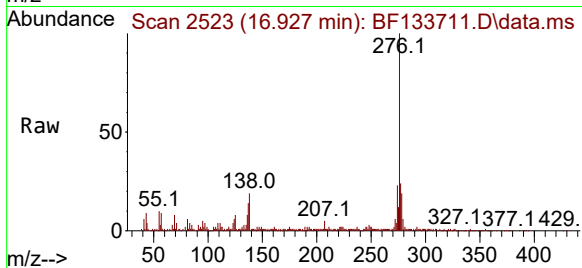
Tgt Ion:276 Resp: 105703

Ion Ratio Lower Upper

276 100

138 20.9 17.9 26.9

277 24.3 20.3 30.5



#88

Benzo(b)fluoranthene

Concen: 55.175 ng

RT: 15.045 min Scan# 2203

Delta R.T. -0.006 min

Lab File: BF133711.D

Acq: 12 Jun 2023 19:04

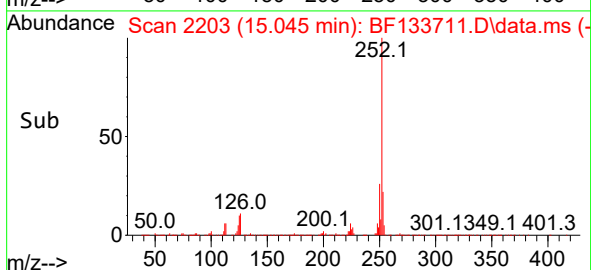
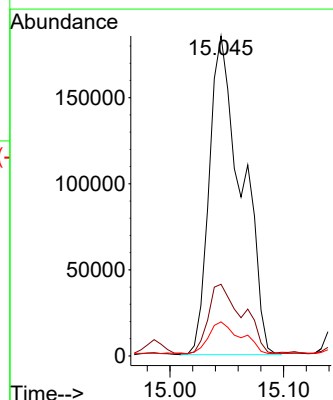
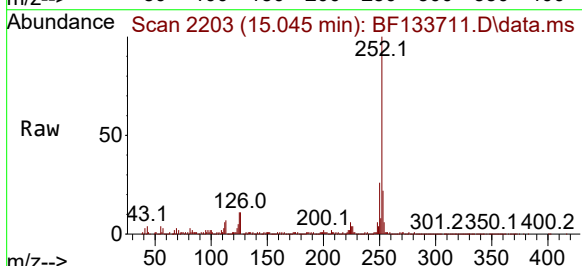
Tgt Ion:252 Resp: 367104

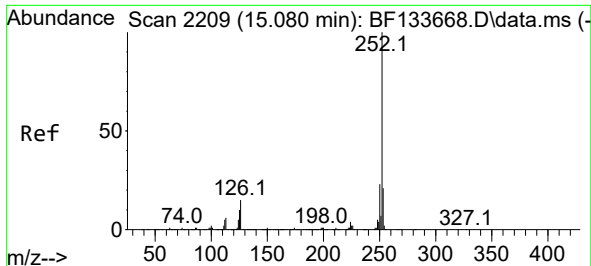
Ion Ratio Lower Upper

252 100

253 22.4 17.0 25.6

125 10.7 7.3 10.9

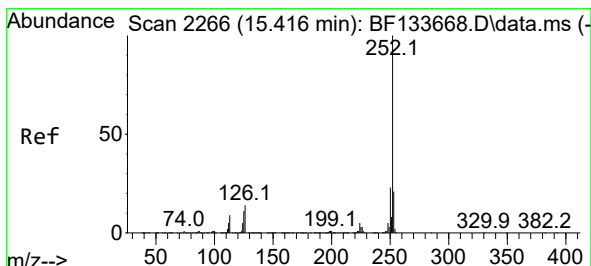
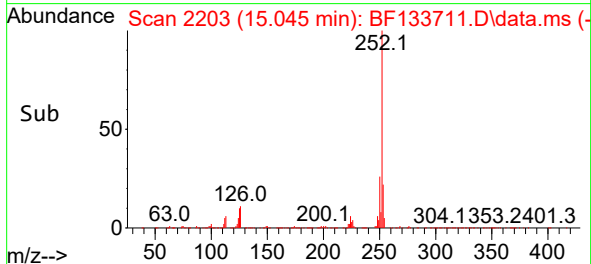
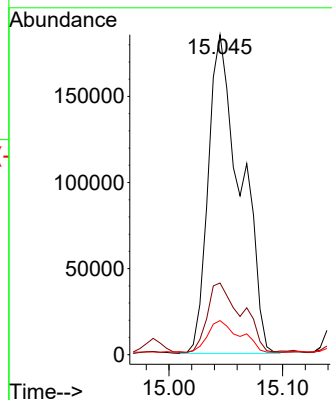
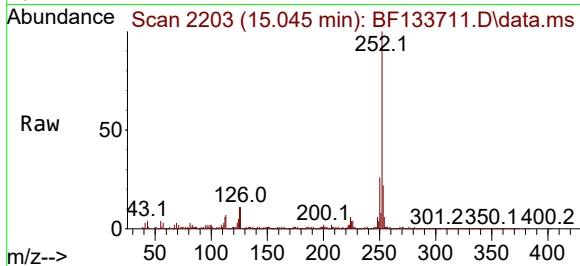




#89
Benzo(k)fluoranthene
Concen: 56.641 ng
RT: 15.045 min Scan# 21
Delta R.T. -0.035 min
Lab File: BF133711.D
Acq: 12 Jun 2023 19:04

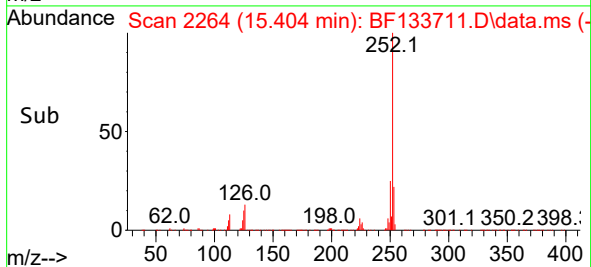
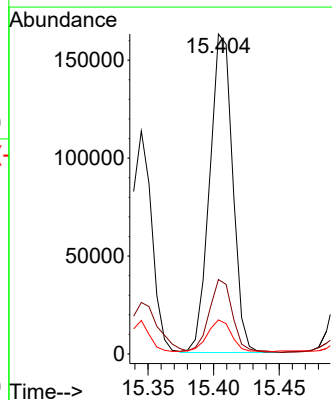
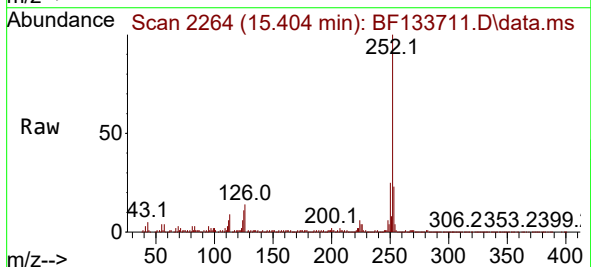
Instrument :
BNA_F
ClientSampleId :
SB-04-0-2.0

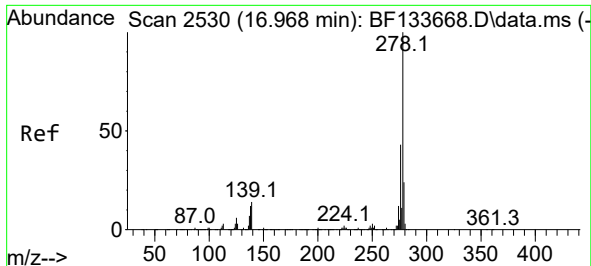
Tgt Ion:252 Resp: 367104
Ion Ratio Lower Upper
252 100
253 22.4 17.0 25.4
125 10.7 7.8 11.6



#90
Benzo(a)pyrene
Concen: 32.217 ng
RT: 15.404 min Scan# 2264
Delta R.T. -0.012 min
Lab File: BF133711.D
Acq: 12 Jun 2023 19:04

Tgt Ion:252 Resp: 198939
Ion Ratio Lower Upper
252 100
253 23.3 17.1 25.7
125 10.7 8.6 13.0

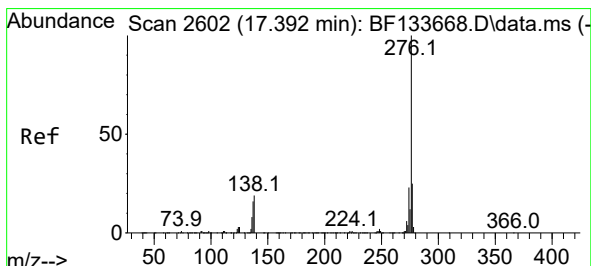
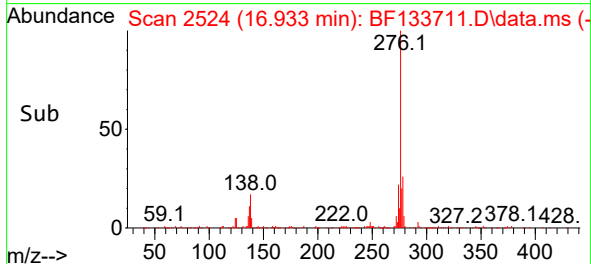
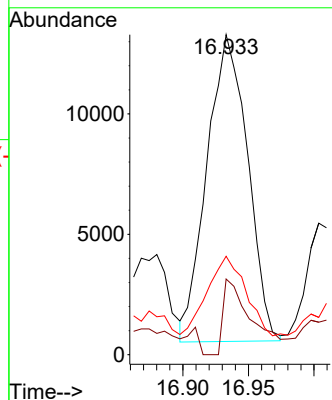
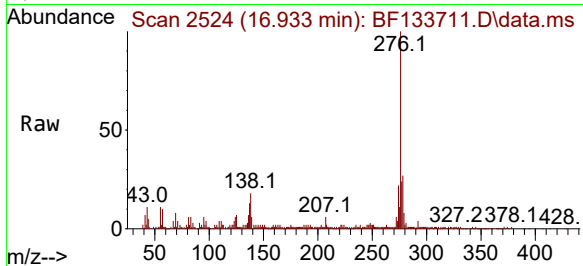




#91
Dibenzo(a,h)anthracene
Concen: 4.412 ng
RT: 16.933 min Scan# 21
Delta R.T. -0.029 min
Lab File: BF133711.D
Acq: 12 Jun 2023 19:04

Instrument :
BNA_F
ClientSampleId :
SB-04-0-2.0

Tgt Ion:278 Resp: 27521
Ion Ratio Lower Upper
278 100
139 23.6 11.4 17.2#
279 30.8 19.0 28.4#



#92
Benzo(g,h,i)perylene
Concen: 16.037 ng
RT: 17.368 min Scan# 2598
Delta R.T. -0.023 min
Lab File: BF133711.D
Acq: 12 Jun 2023 19:04

Tgt Ion:276 Resp: 99195
Ion Ratio Lower Upper
276 100
277 24.9 19.8 29.8
138 20.0 15.0 22.4

