

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061423\
 Data File : BF133751.D
 Acq On : 14 Jun 2023 15:03
 Operator : CG\JU
 Sample : 03138-01DL 10X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-1DL

Quant Time: Jun 14 19:05:45 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060923.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 14 16:27:59 2023
 Response via : Initial Calibration

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

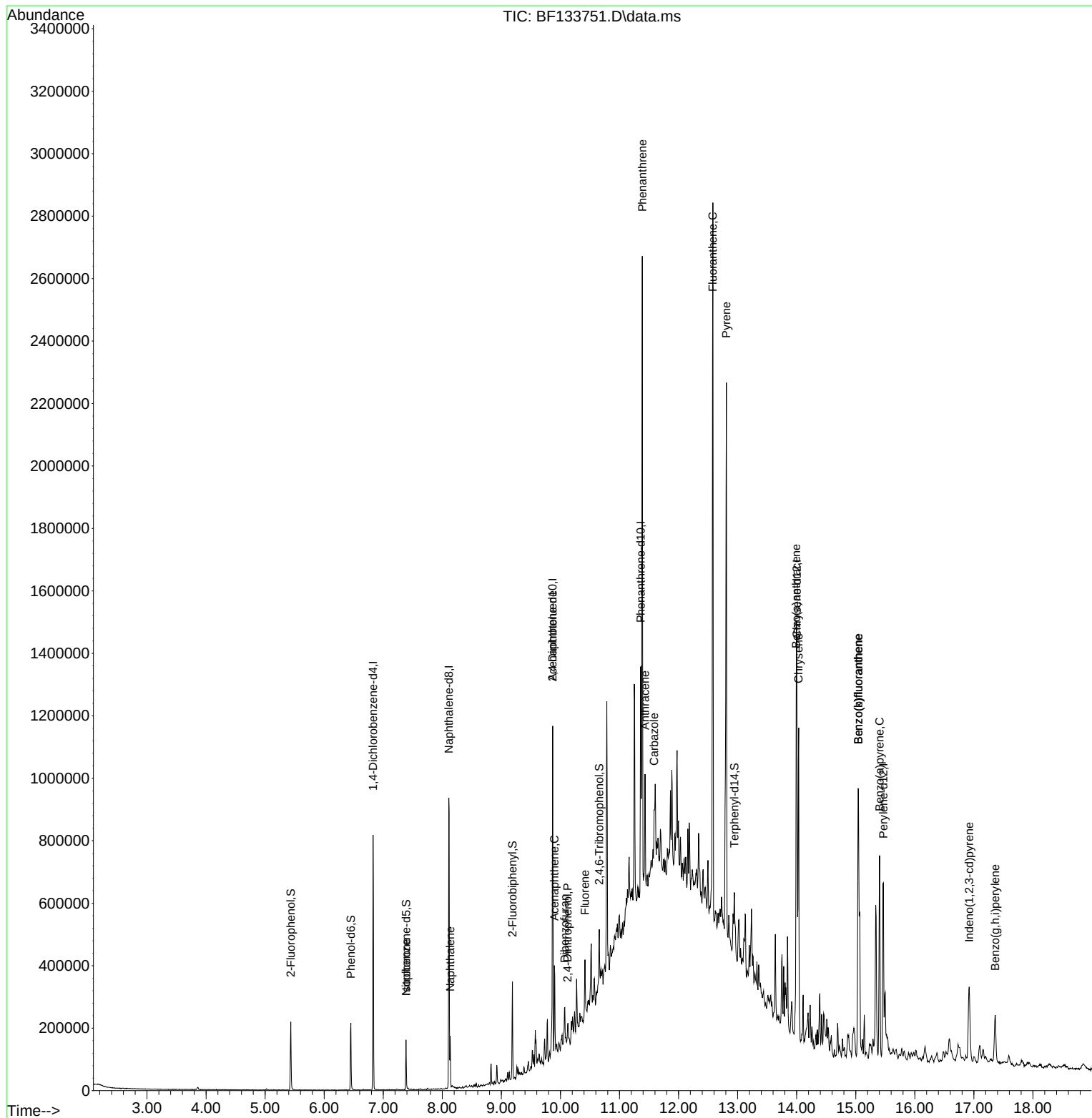
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.828	152	111030	20.000	ng	0.00
21) Naphthalene-d8	8.110	136	397880	20.000	ng	0.00
39) Acenaphthene-d10	9.869	164	185150	20.000	ng	0.00
64) Phenanthrene-d10	11.357	188	280502	20.000	ng	# 0.00
76) Chrysene-d12	14.004	240	211200	20.000	ng	0.00
86) Perylene-d12	15.468	264	257359	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.434	112	53222	8.345	ng	-0.01
7) Phenol-d6	6.451	99	63314	7.627	ng	-0.02
23) Nitrobenzene-d5	7.386	82	39683	5.432	ng	-0.02
42) 2,4,6-Tribromophenol	10.657	330	13732	5.859	ng	-0.01
45) 2-Fluorobiphenyl	9.186	172	80796	6.203	ng	0.00
79) Terphenyl-d14	12.945	244	58248	4.268	ng	0.00
Target Compounds						
						Qvalue
25) Isophorone	7.386	82	39682	2.959	ng	# 65
31) Naphthalene	8.133	128	53591	2.765	ng	99
52) Acenaphthene	9.898	154	53204	4.875	ng	97
54) 2,4-Dinitrophenol	10.122	184	118	5.795	ng	# 81
55) Dibenzofuran	10.075	168	38503	2.312	ng	97
57) 2,4-Dinitrotoluene	9.869	165	26334	7.259	ng	# 20
58) Fluorene	10.416	166	38634	3.034	ng	99
71) Phenanthrene	11.386	178	679506	47.747	ng	99
72) Anthracene	11.433	178	125590	8.464	ng	99
73) Carbazole	11.586	167	56187	4.066	ng	# 95
75) Fluoranthene	12.580	202	930730	61.586	ng	100
78) Pyrene	12.810	202	787003	40.002	ng	99
81) Benzo(a)anthracene	13.992	228	442931	30.319	ng	97
83) Chrysene	14.033	228	394997	28.587	ng	97
87) Indeno(1,2,3-cd)pyrene	16.921	276	153270	8.657	ng	97
88) Benzo(b)fluoranthene	15.045	252	641537	41.036	ng	97
89) Benzo(k)fluoranthene	15.045	252	641537	42.127	ng	98
90) Benzo(a)pyrene	15.404	252	300662	20.722	ng	98
92) Benzo(g,h,i)perylene	17.362	276	124159	8.543	ng	98

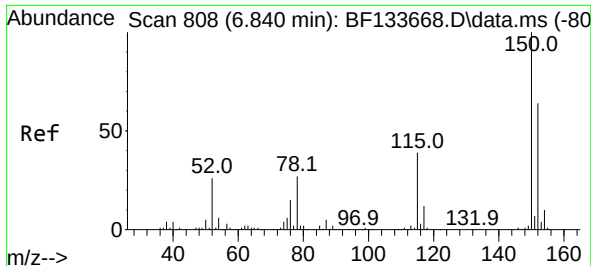
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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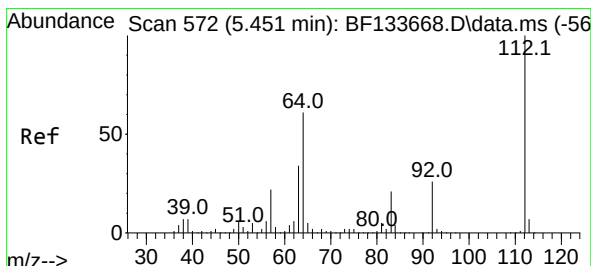
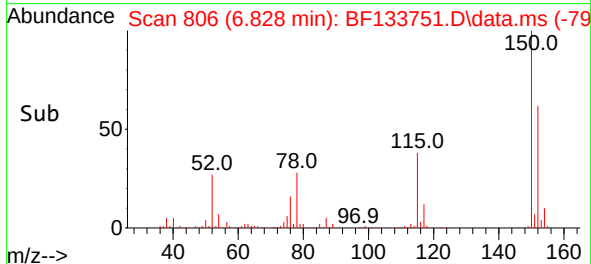
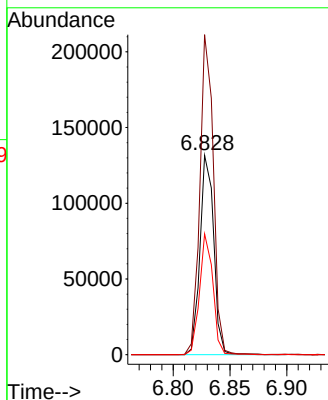
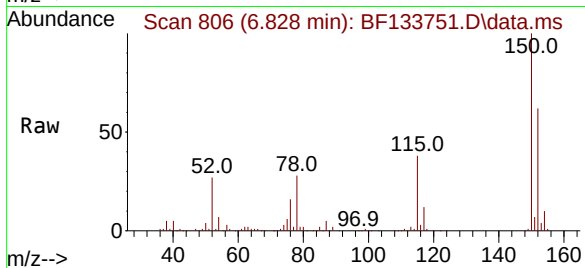




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.828 min Scan# 80
Delta R.T. -0.006 min
Lab File: BF133751.D
Acq: 14 Jun 2023 15:03

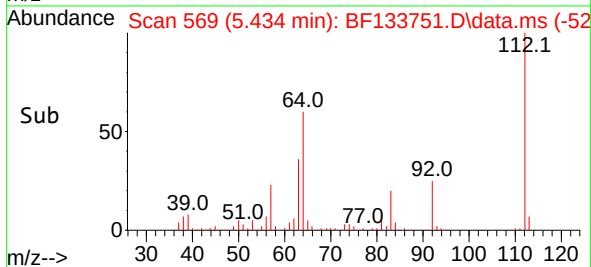
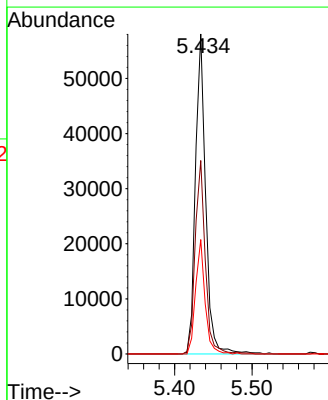
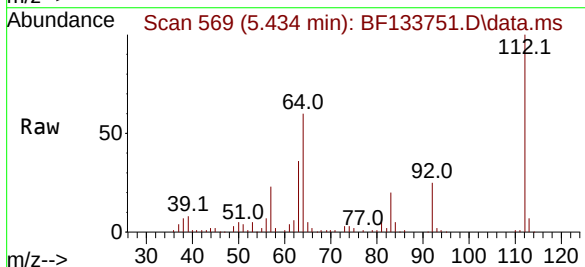
Instrument :
BNA_F
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WC-1DL

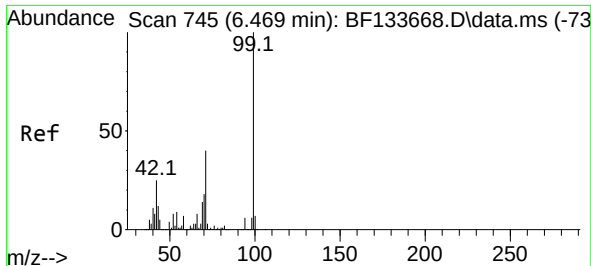
Tgt Ion:152 Resp: 111030
Ion Ratio Lower Upper
152 100
150 160.4 124.3 186.5
115 60.6 48.5 72.7



#5
2-Fluorophenol
Concen: 8.345 ng
RT: 5.434 min Scan# 569
Delta R.T. -0.012 min
Lab File: BF133751.D
Acq: 14 Jun 2023 15:03

Tgt Ion:112 Resp: 53222
Ion Ratio Lower Upper
112 100
64 60.5 49.0 73.4
63 35.7 26.8 40.2

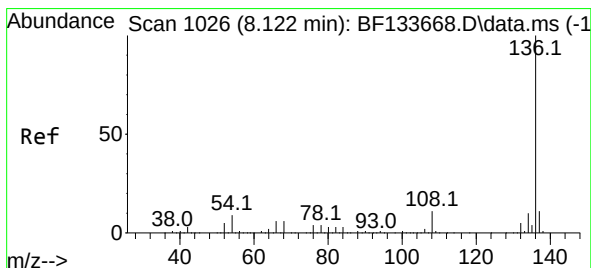
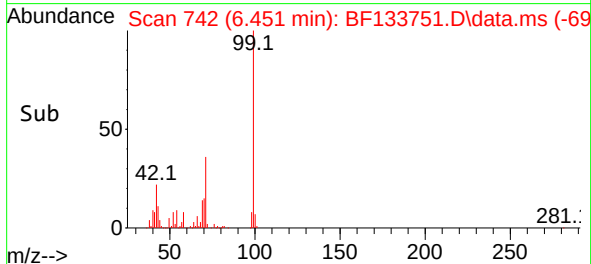
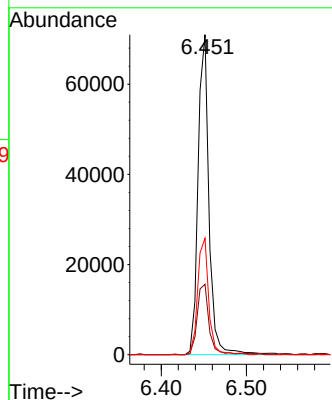
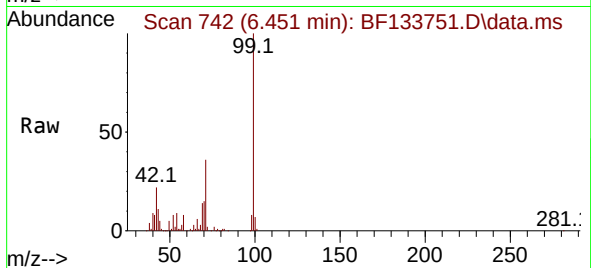




#7
Phenol-d6
Concen: 7.627 ng
RT: 6.451 min Scan# 745
Delta R.T. -0.018 min
Lab File: BF133751.D
Acq: 14 Jun 2023 15:03

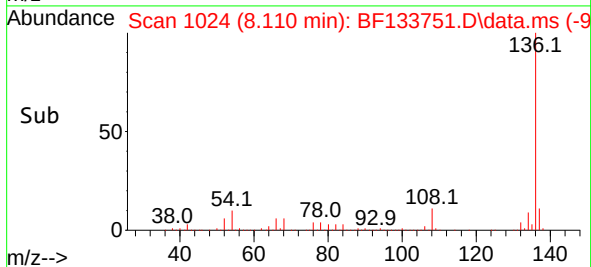
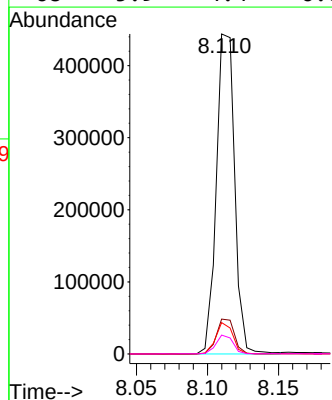
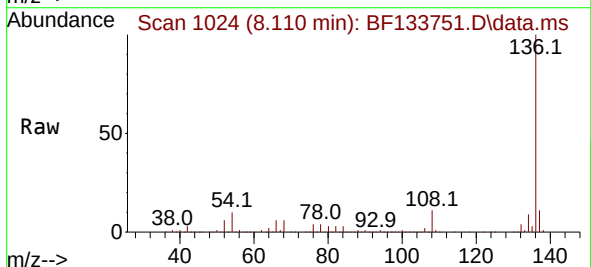
Instrument :
BNA_F
ClientSampleId :
WC-1DL

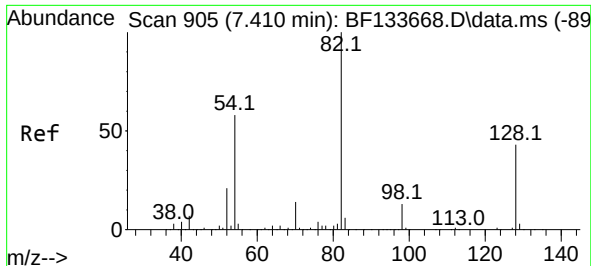
Tgt Ion: 99 Resp: 63314
Ion Ratio Lower Upper
99 100
42 22.0 19.9 29.9
71 36.4 32.2 48.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.110 min Scan# 1024
Delta R.T. -0.006 min
Lab File: BF133751.D
Acq: 14 Jun 2023 15:03

Tgt Ion: 136 Resp: 397880
Ion Ratio Lower Upper
136 100
137 10.9 8.8 13.2
54 9.8 7.4 11.0
68 5.9 4.4 6.6





#23

Nitrobenzene-d5

Concen: 5.432 ng

RT: 7.386 min Scan# 901

Delta R.T. -0.018 min

Lab File: BF133751.D

Acq: 14 Jun 2023 15:03

Instrument :

BNA_F

ClientSampleId :

WC-1DL

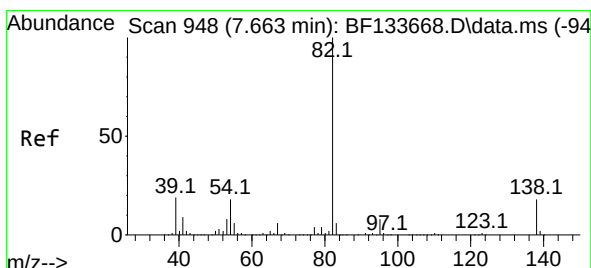
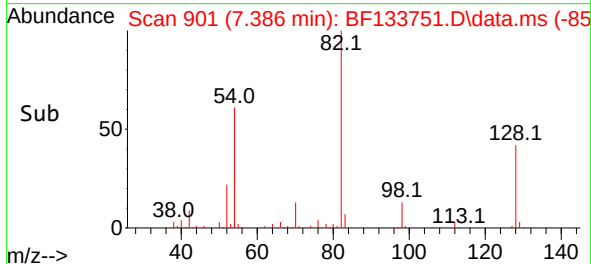
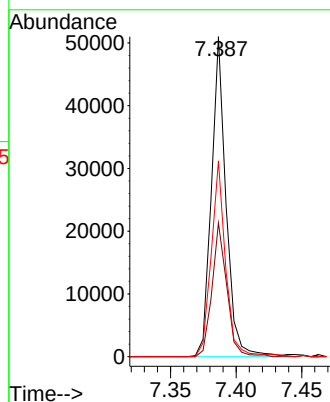
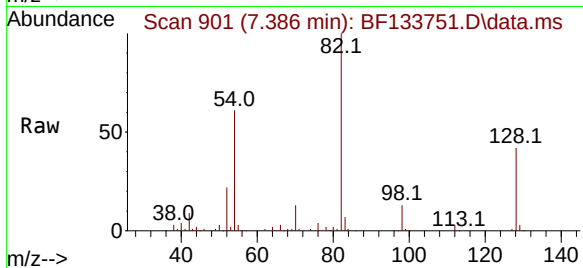
Tgt Ion: 82 Resp: 39683

Ion Ratio Lower Upper

82 100

128 41.8 34.2 51.2

54 61.2 46.5 69.7



#25

Isophorone

Concen: 2.959 ng

RT: 7.386 min Scan# 901

Delta R.T. -0.271 min

Lab File: BF133751.D

Acq: 14 Jun 2023 15:03

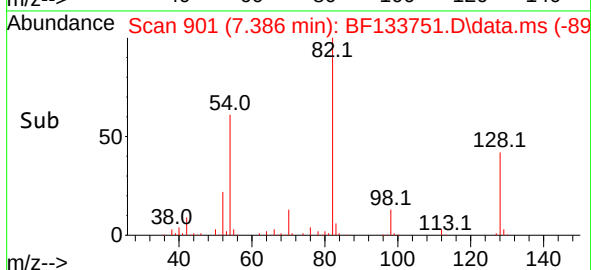
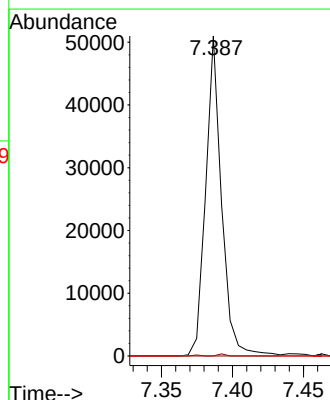
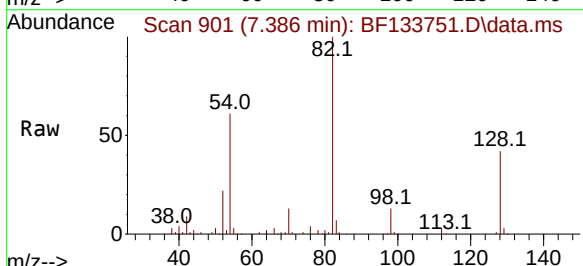
Tgt Ion: 82 Resp: 39682

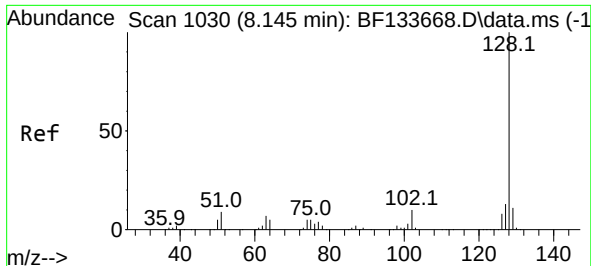
Ion Ratio Lower Upper

82 100

95 0.0 6.0 9.0#

138 0.0 14.2 21.2#

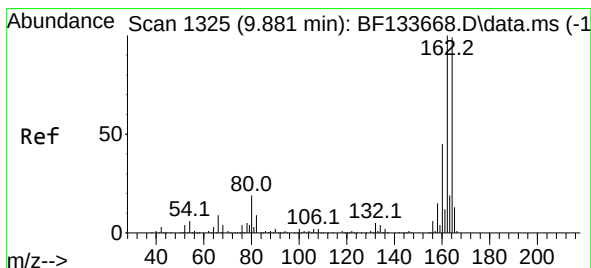
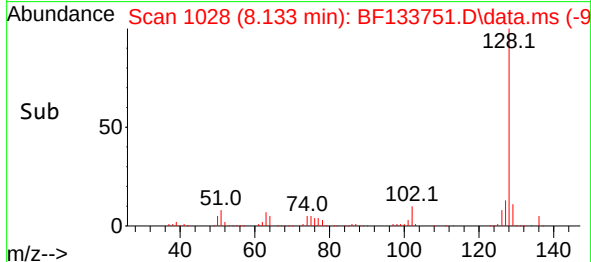
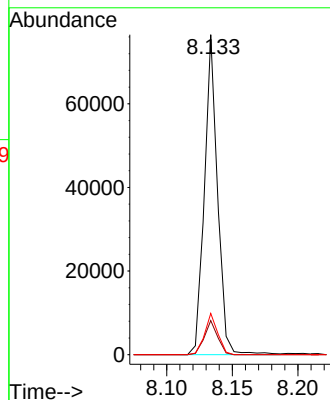
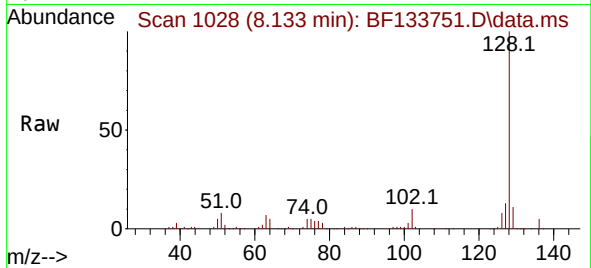




#31
Naphthalene
Concen: 2.765 ng
RT: 8.133 min Scan# 1030
Delta R.T. -0.006 min
Lab File: BF133751.D
Acq: 14 Jun 2023 15:03

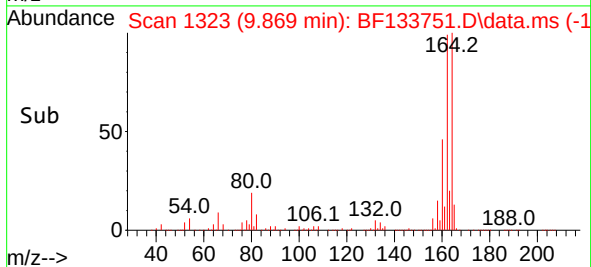
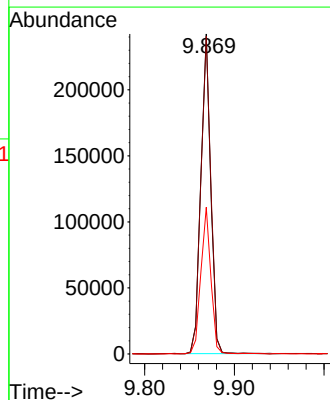
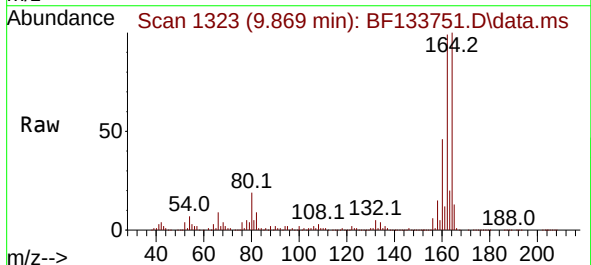
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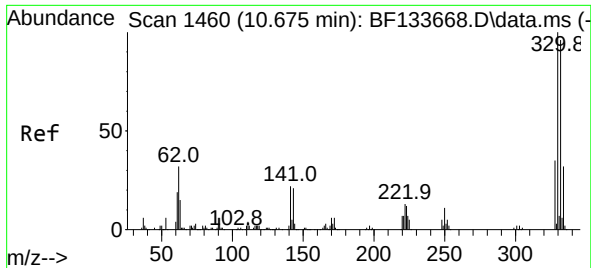
Tgt Ion:128 Resp: 53591
Ion Ratio Lower Upper
128 100
129 10.7 8.9 13.3
127 12.9 10.5 15.7



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.869 min Scan# 1323
Delta R.T. -0.006 min
Lab File: BF133751.D
Acq: 14 Jun 2023 15:03

Tgt Ion:164 Resp: 185150
Ion Ratio Lower Upper
164 100
162 99.3 80.8 121.2
160 45.9 36.7 55.1

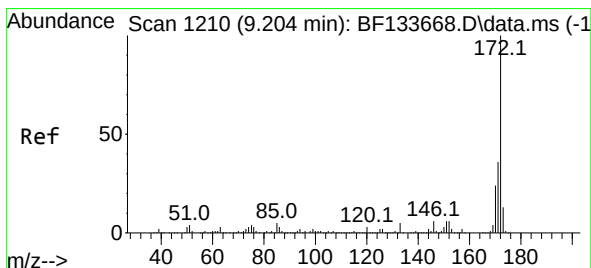
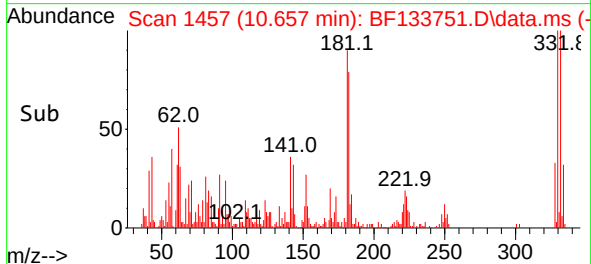
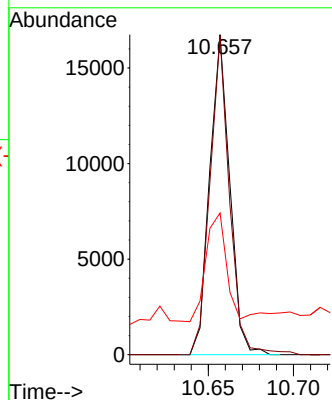
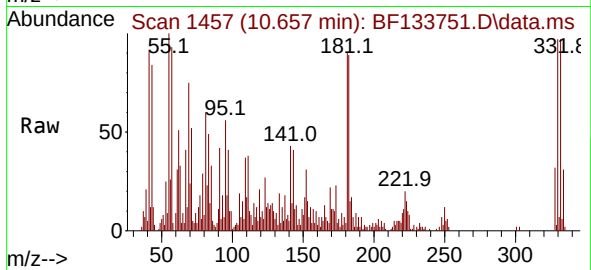




#42
2,4,6-Tribromophenol
Concen: 5.859 ng
RT: 10.657 min Scan# 1460
Delta R.T. -0.012 min
Lab File: BF133751.D
Acq: 14 Jun 2023 15:03

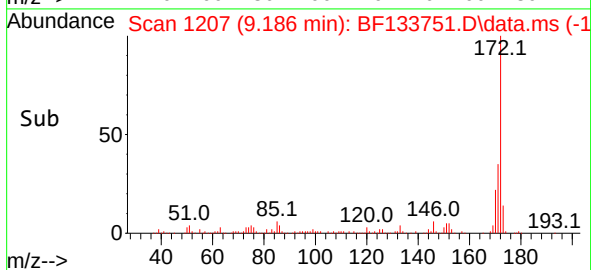
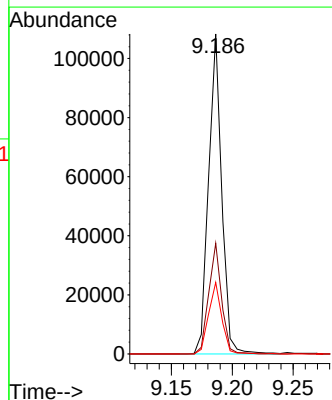
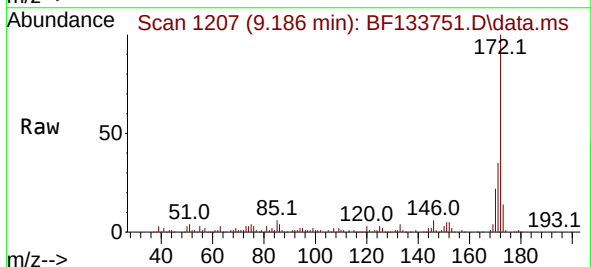
Instrument :
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ClientSampleId :
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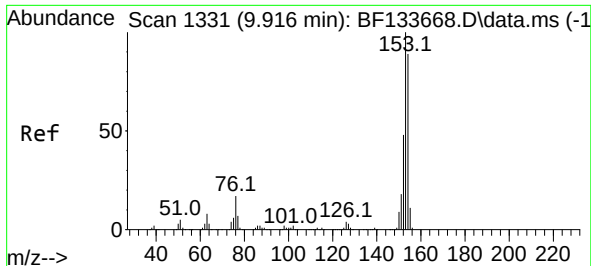
Tgt Ion: 330 Resp: 13732
Ion Ratio Lower Upper
330 100
332 97.5 77.2 115.8
141 35.4 24.9 37.3



#45
2-Fluorobiphenyl
Concen: 6.203 ng
RT: 9.186 min Scan# 1207
Delta R.T. -0.006 min
Lab File: BF133751.D
Acq: 14 Jun 2023 15:03

Tgt Ion: 172 Resp: 80796
Ion Ratio Lower Upper
172 100
171 34.6 28.6 43.0
170 22.3 19.1 28.7

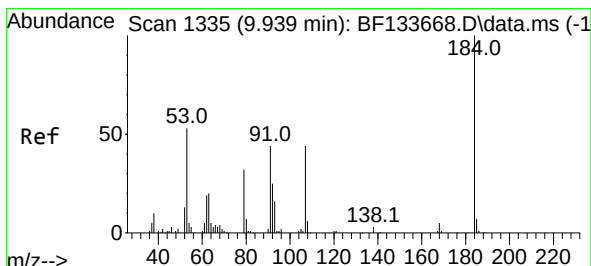
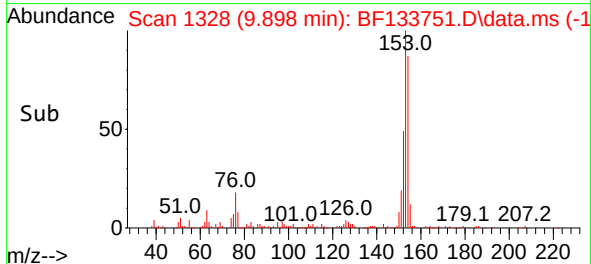
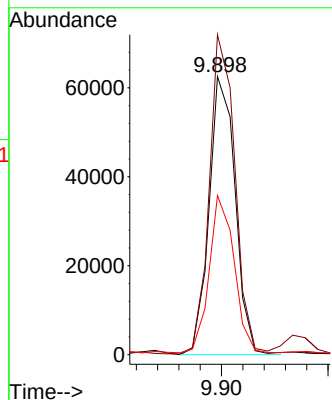
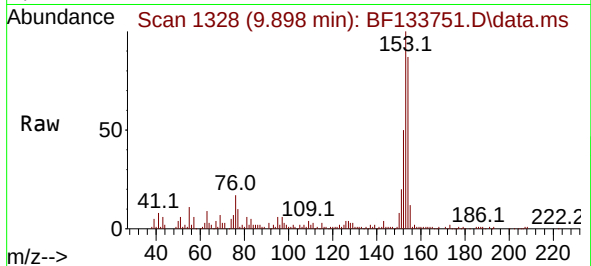




#52
Acenaphthene
Concen: 4.875 ng
RT: 9.898 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF133751.D
Acq: 14 Jun 2023 15:03

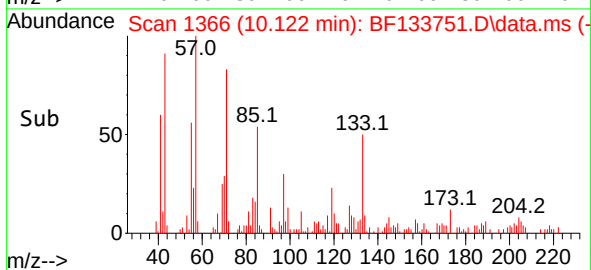
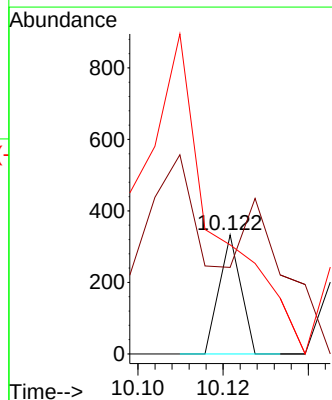
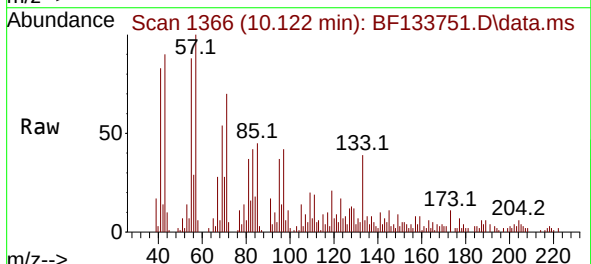
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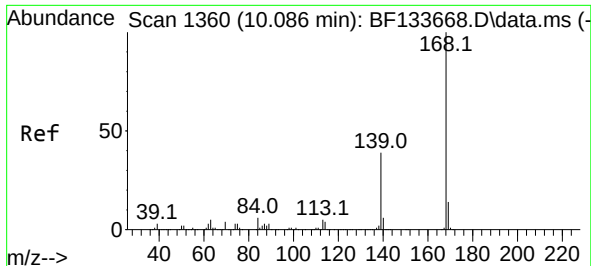
Tgt Ion:154 Resp: 53204
Ion Ratio Lower Upper
154 100
153 115.0 89.8 134.8
152 57.2 43.4 65.2



#54
2,4-Dinitrophenol
Concen: 5.795 ng
RT: 10.122 min Scan# 1366
Delta R.T. 0.188 min
Lab File: BF133751.D
Acq: 14 Jun 2023 15:03

Tgt Ion:184 Resp: 118
Ion Ratio Lower Upper
184 100
63 72.7 55.3 82.9
154 91.6 51.9 77.9#

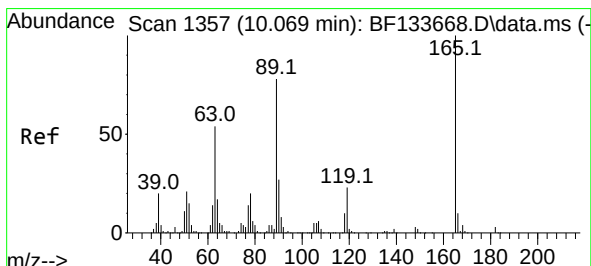
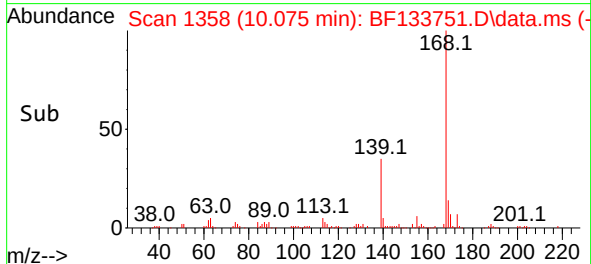
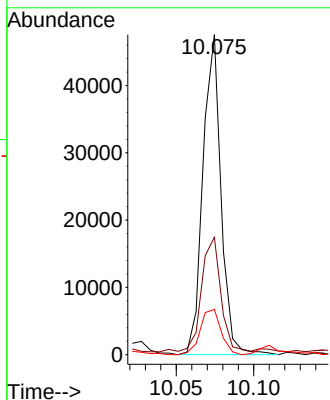
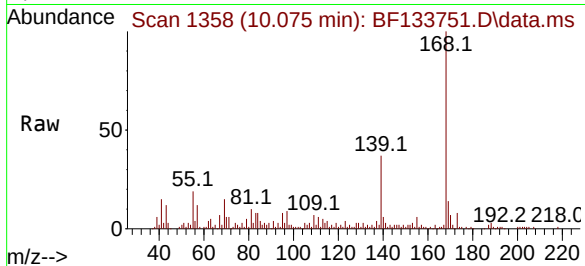




#55
Dibenzenofuran
Concen: 2.312 ng
RT: 10.075 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF133751.D
Acq: 14 Jun 2023 15:03

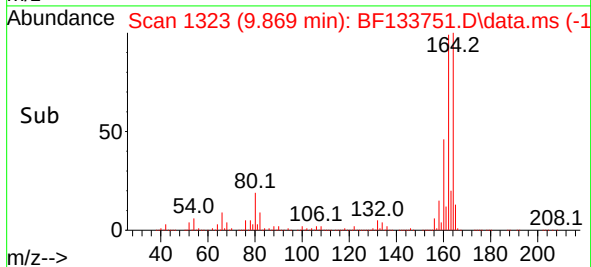
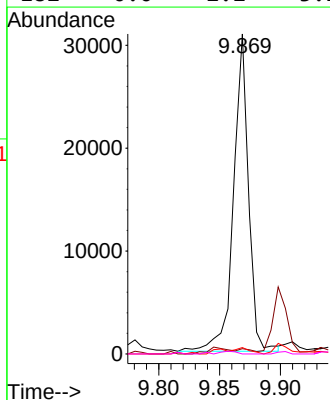
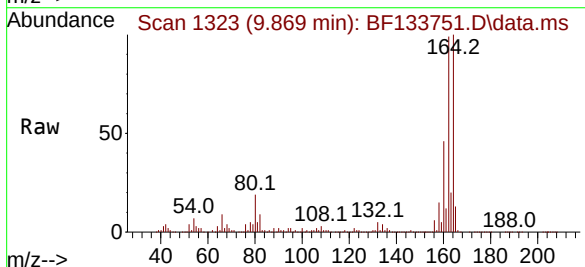
Instrument :
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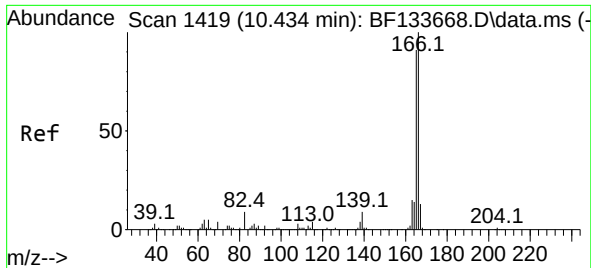
Tgt Ion:168 Resp: 38503
Ion Ratio Lower Upper
168 100
139 36.7 30.9 46.3
169 14.1 10.9 16.3



#57
2,4-Dinitrotoluene
Concen: 7.259 ng
RT: 9.869 min Scan# 1323
Delta R.T. -0.194 min
Lab File: BF133751.D
Acq: 14 Jun 2023 15:03

Tgt Ion:165 Resp: 26334
Ion Ratio Lower Upper
165 100
63 1.6 43.0 64.6#
89 2.0 62.6 93.8#
182 0.0 2.2 3.2#

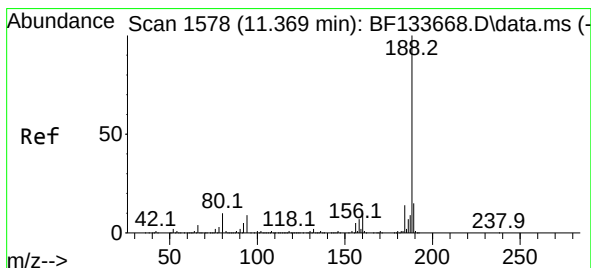
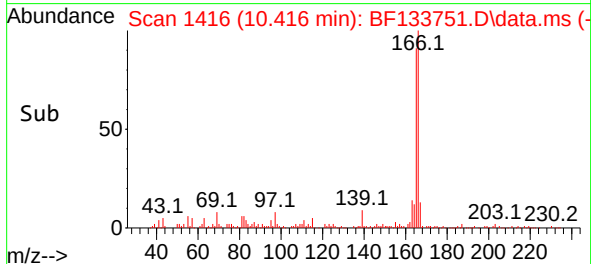
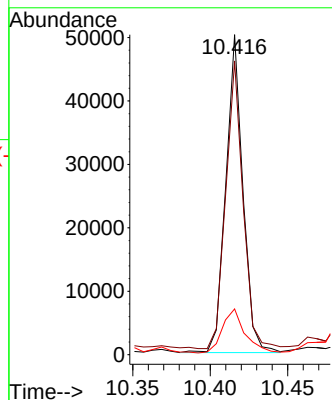
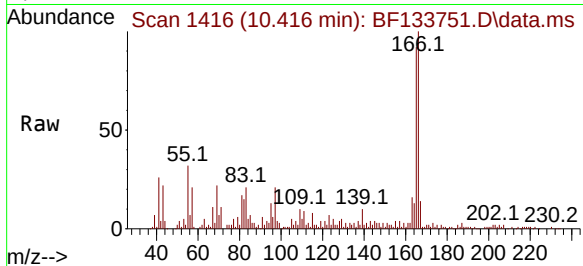




#58
 Fluorene
 Concen: 3.034 ng
 RT: 10.416 min Scan# 1419
 Delta R.T. -0.012 min
 Lab File: BF133751.D
 Acq: 14 Jun 2023 15:03

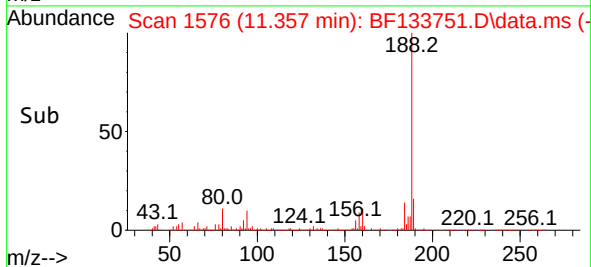
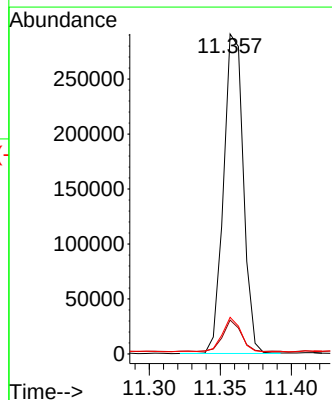
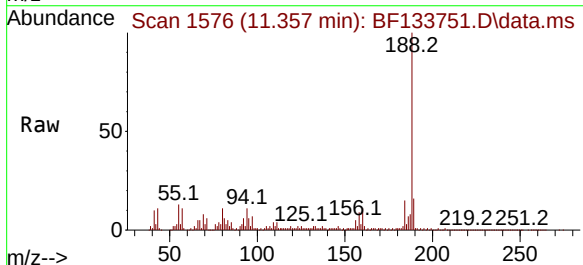
Instrument :
 BNA_F
 ClientSampleId :
 WC-1DL

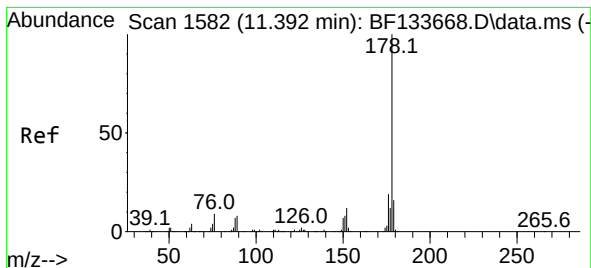
Tgt Ion:166 Resp: 38634
 Ion Ratio Lower Upper
 166 100
 165 91.8 73.1 109.7
 167 14.3 10.5 15.7



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.357 min Scan# 1576
 Delta R.T. -0.006 min
 Lab File: BF133751.D
 Acq: 14 Jun 2023 15:03

Tgt Ion:188 Resp: 280502
 Ion Ratio Lower Upper
 188 100
 94 10.6 6.8 10.2#
 80 11.4 7.8 11.6





#71

Phenanthrene

Concen: 47.747 ng

RT: 11.386 min Scan# 1581

Delta R.T. -0.000 min

Lab File: BF133751.D

Acq: 14 Jun 2023 15:03

Instrument :

BNA_F

ClientSampleId :

WC-1DL

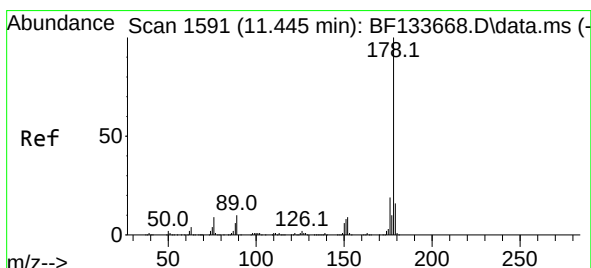
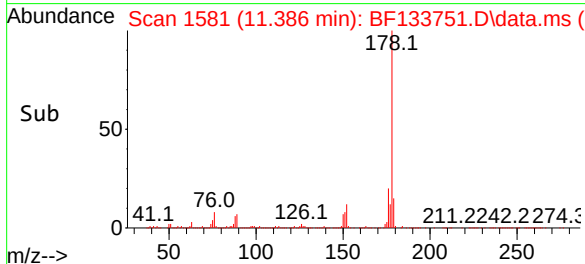
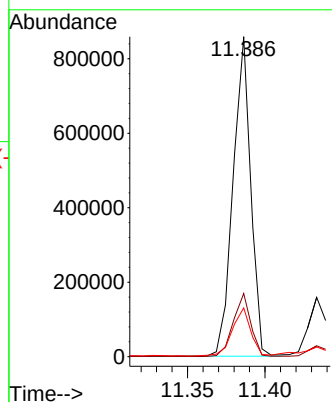
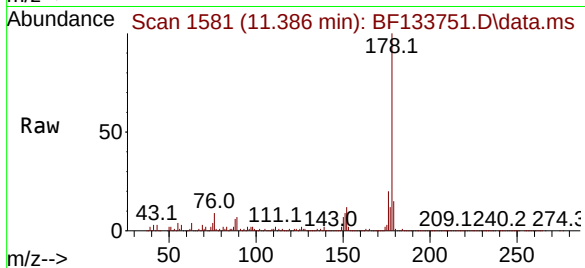
Tgt Ion:178 Resp: 679506

Ion Ratio Lower Upper

178 100

176 19.7 15.6 23.4

179 15.3 12.4 18.6



#72

Anthracene

Concen: 8.464 ng

RT: 11.433 min Scan# 1589

Delta R.T. -0.006 min

Lab File: BF133751.D

Acq: 14 Jun 2023 15:03

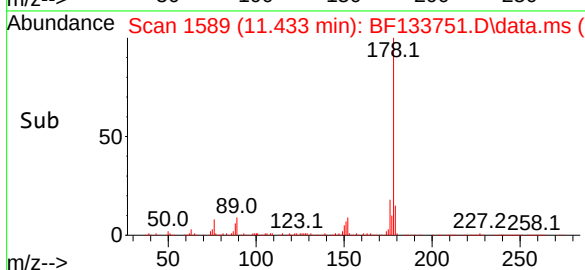
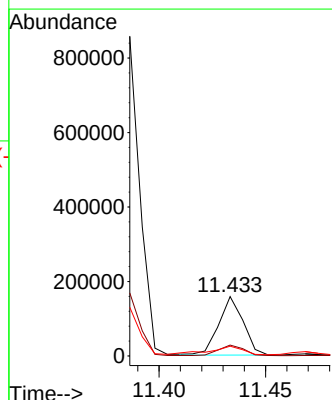
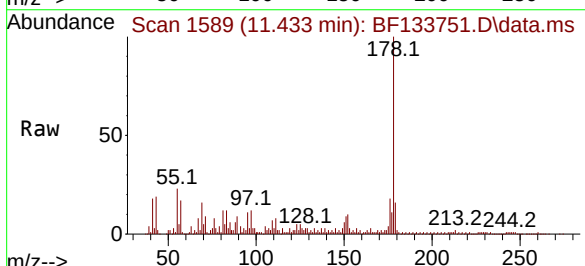
Tgt Ion:178 Resp: 125590

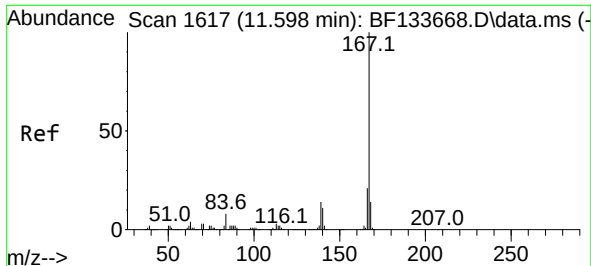
Ion Ratio Lower Upper

178 100

176 18.5 15.1 22.7

179 16.5 12.6 18.8

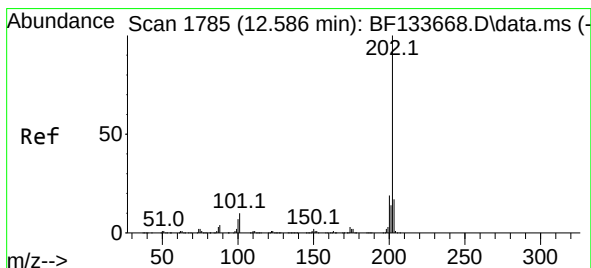
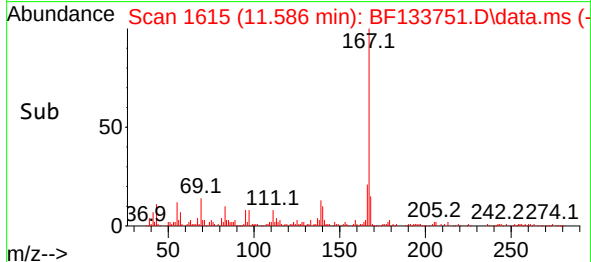
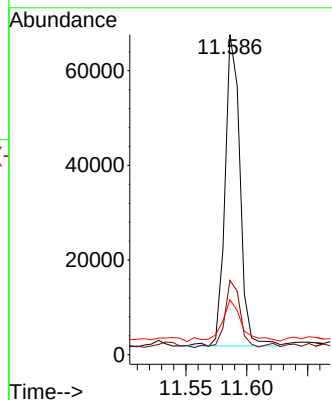
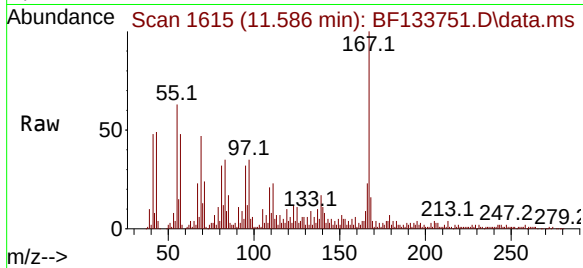




#73
 Carbazole
 Concen: 4.066 ng
 RT: 11.586 min Scan# 1615
 Delta R.T. -0.012 min
 Lab File: BF133751.D
 Acq: 14 Jun 2023 15:03

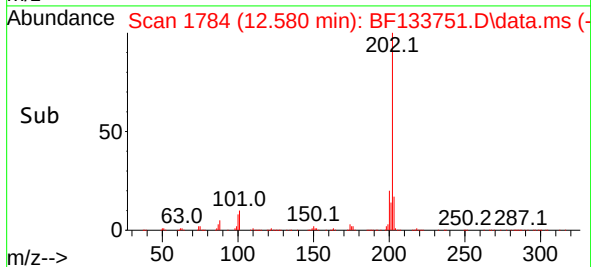
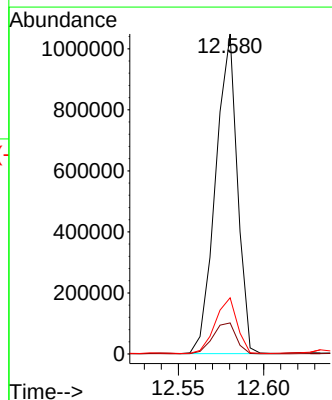
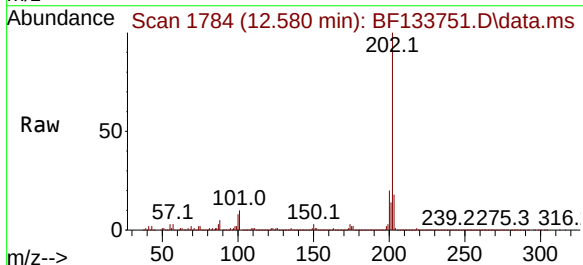
Instrument :
 BNA_F
 ClientSampleId :
 WC-1DL

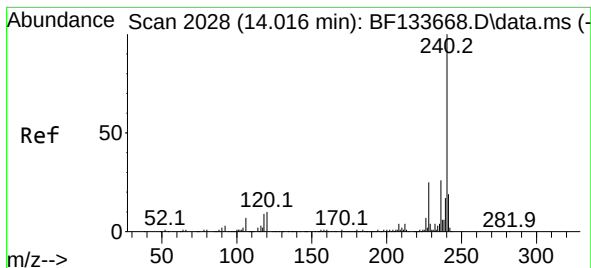
Tgt Ion:167 Resp: 56187
 Ion Ratio Lower Upper
 167 100
 166 23.2 17.0 25.6
 139 17.1 11.2 16.8#



#75
 Fluoranthene
 Concen: 61.586 ng
 RT: 12.580 min Scan# 1784
 Delta R.T. -0.000 min
 Lab File: BF133751.D
 Acq: 14 Jun 2023 15:03

Tgt Ion:202 Resp: 930730
 Ion Ratio Lower Upper
 202 100
 101 9.7 0.0 29.6
 203 17.6 0.0 37.4





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.004 min Scan# 2028

Delta R.T. -0.006 min

Lab File: BF133751.D

Acq: 14 Jun 2023 15:03

Instrument :

BNA_F

ClientSampleId :

WC-1DL

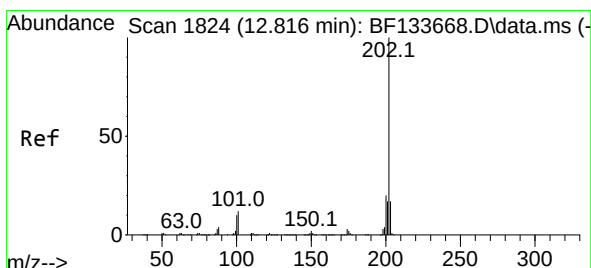
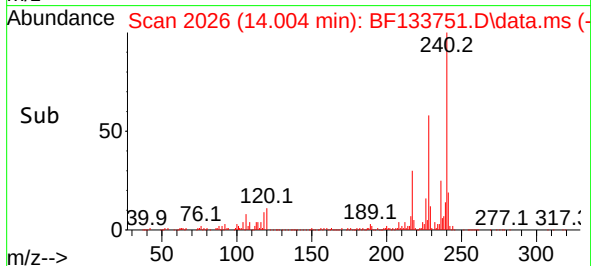
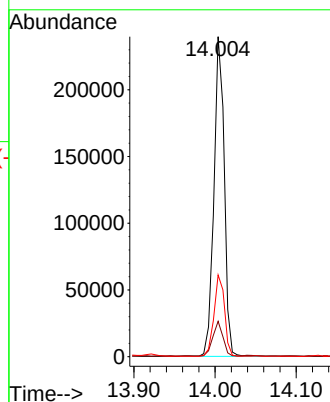
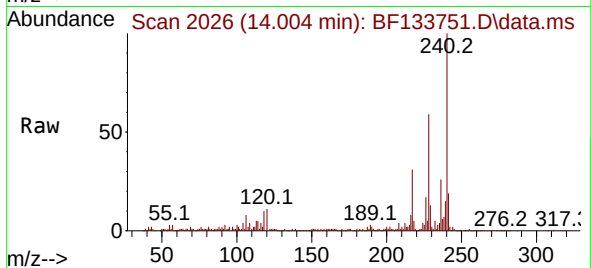
Tgt Ion:240 Resp: 211200

Ion Ratio Lower Upper

240 100

120 11.0 8.1 12.1

236 25.6 20.5 30.7



#78

Pyrene

Concen: 40.002 ng

RT: 12.810 min Scan# 1823

Delta R.T. -0.000 min

Lab File: BF133751.D

Acq: 14 Jun 2023 15:03

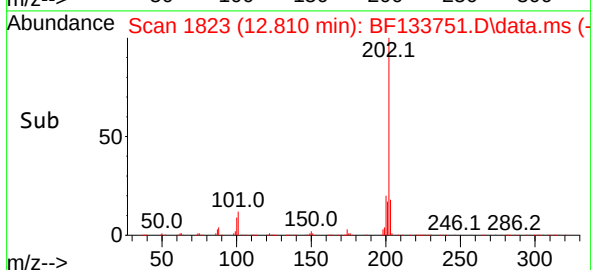
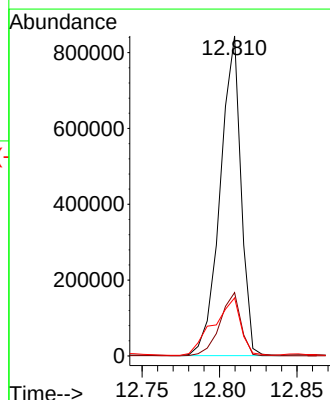
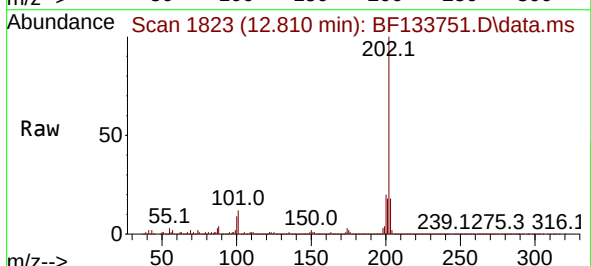
Tgt Ion:202 Resp: 787003

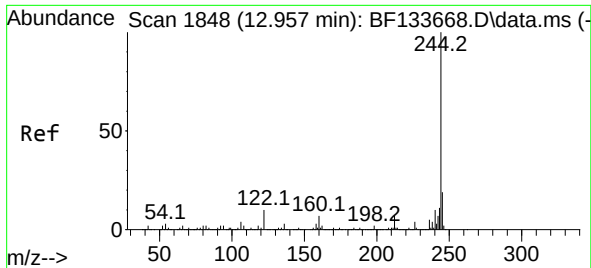
Ion Ratio Lower Upper

202 100

200 19.8 16.2 24.2

203 18.2 13.9 20.9

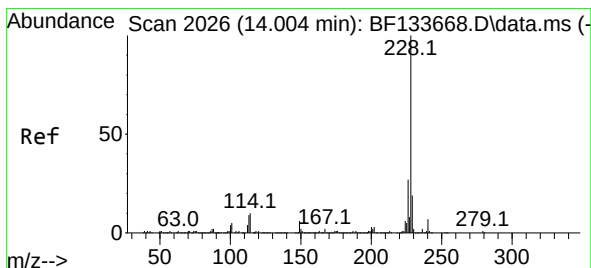
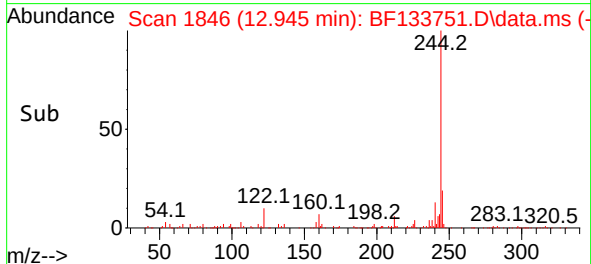
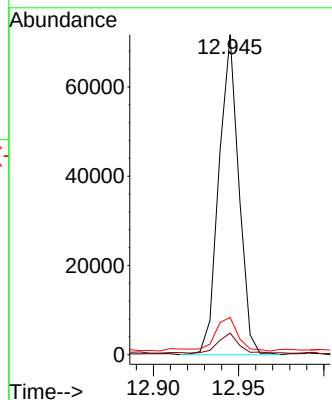
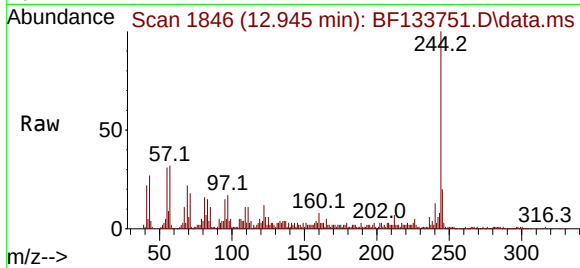




#79
 Terphenyl-d14
 Concen: 4.268 ng
 RT: 12.945 min Scan# 1846
 Delta R.T. -0.006 min
 Lab File: BF133751.D
 Acq: 14 Jun 2023 15:03

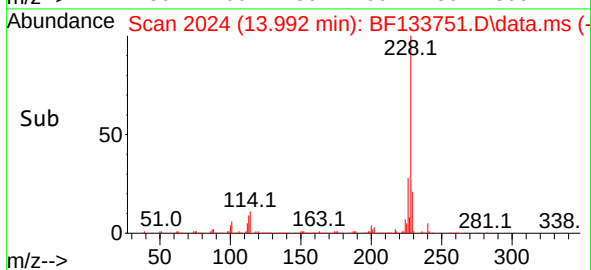
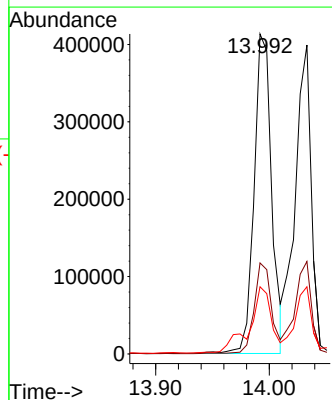
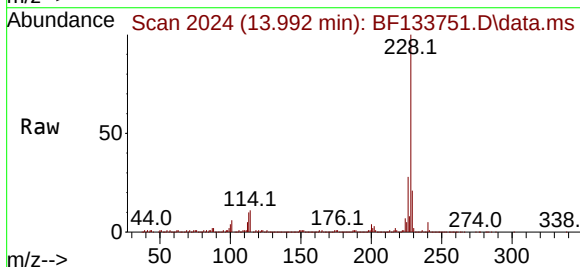
Instrument :
 BNA_F
 ClientSampleId :
 WC-1DL

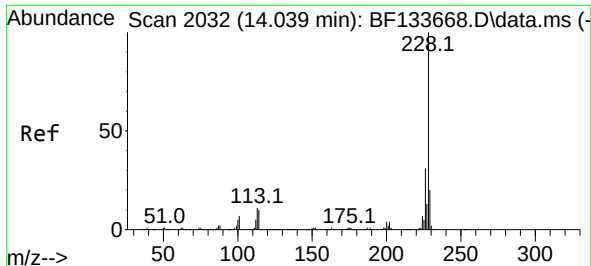
Tgt Ion:244 Resp: 58248
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.4 8.2
 122 11.7 8.1 12.1



#81
 Benzo(a)anthracene
 Concen: 30.319 ng
 RT: 13.992 min Scan# 2024
 Delta R.T. -0.006 min
 Lab File: BF133751.D
 Acq: 14 Jun 2023 15:03

Tgt Ion:228 Resp: 442931
 Ion Ratio Lower Upper
 228 100
 226 28.4 21.7 32.5
 229 21.0 15.4 23.2

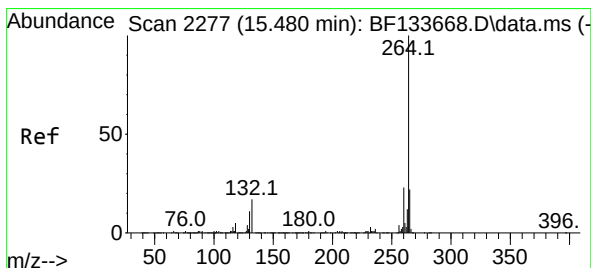
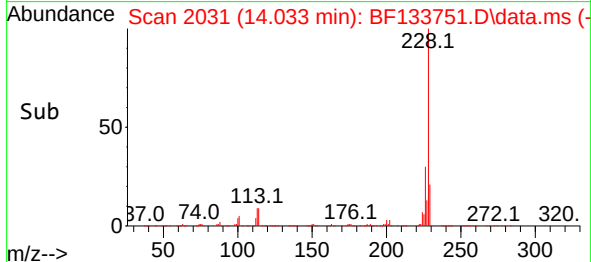
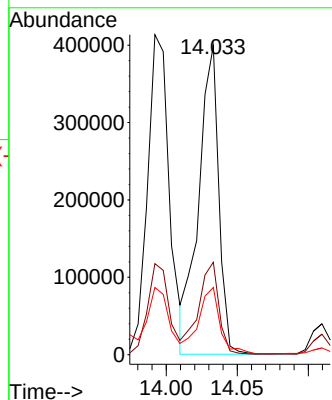
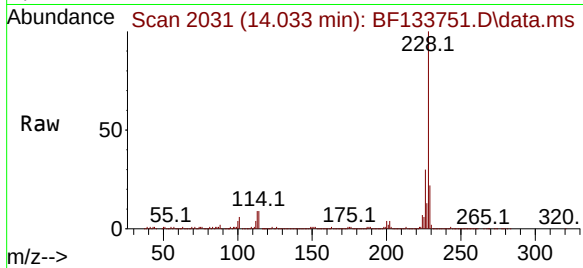




#83
Chrysene
Concen: 28.587 ng
RT: 14.033 min Scan# 2032
Delta R.T. -0.000 min
Lab File: BF133751.D
Acq: 14 Jun 2023 15:03

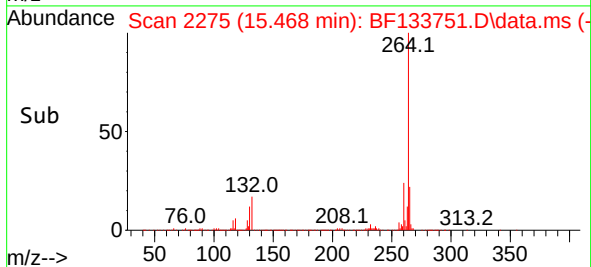
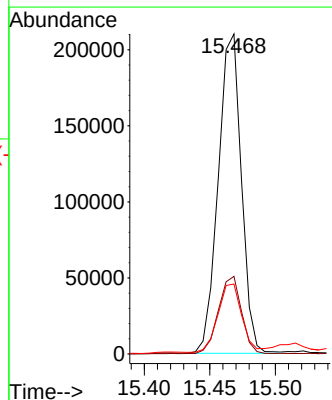
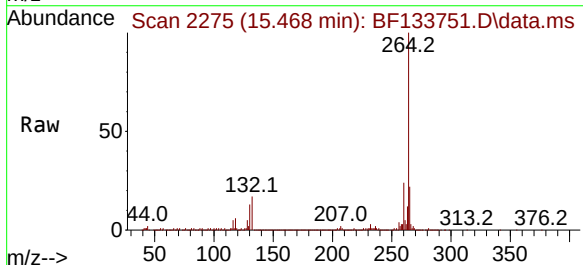
Instrument :
BNA_F
ClientSampleId :
WC-1DL

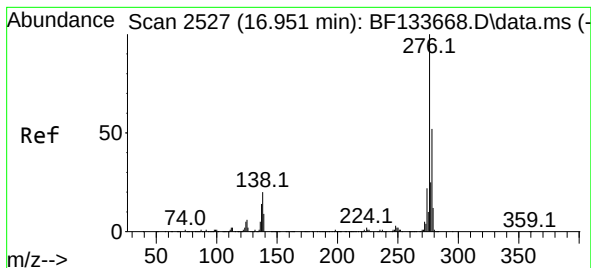
Tgt Ion:228 Resp: 394997
Ion Ratio Lower Upper
228 100
226 29.9 25.0 37.6
229 21.8 15.8 23.8



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.468 min Scan# 2275
Delta R.T. -0.000 min
Lab File: BF133751.D
Acq: 14 Jun 2023 15:03

Tgt Ion:264 Resp: 257359
Ion Ratio Lower Upper
264 100
260 24.2 18.2 27.2
265 21.9 17.8 26.6





#87

Indeno(1,2,3-cd)pyrene

Concen: 8.657 ng

RT: 16.921 min Scan# 21

Delta R.T. -0.018 min

Lab File: BF133751.D

Acq: 14 Jun 2023 15:03

Instrument :

BNA_F

ClientSampleId :

WC-1DL

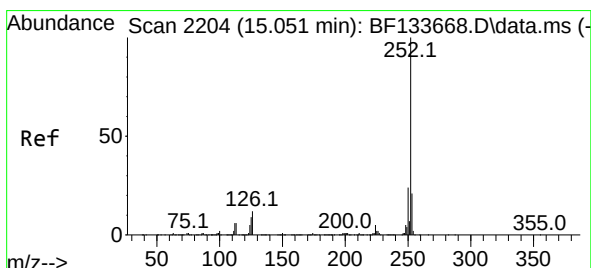
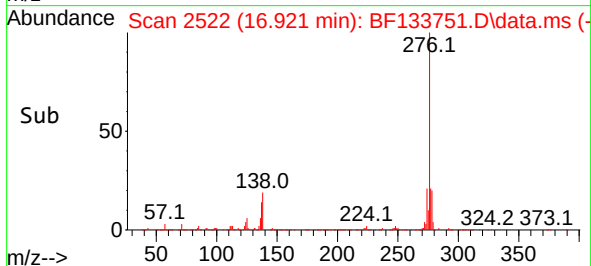
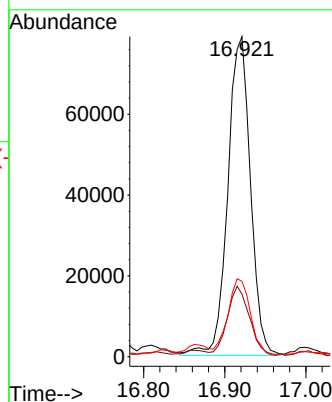
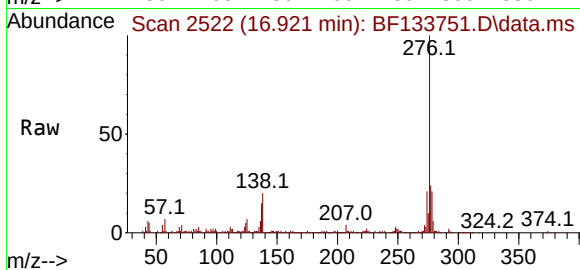
Tgt Ion:276 Resp: 153270

Ion Ratio Lower Upper

276 100

138 21.2 17.9 26.9

277 23.7 20.3 30.5



#88

Benzo(b)fluoranthene

Concen: 41.036 ng

RT: 15.045 min Scan# 2203

Delta R.T. -0.000 min

Lab File: BF133751.D

Acq: 14 Jun 2023 15:03

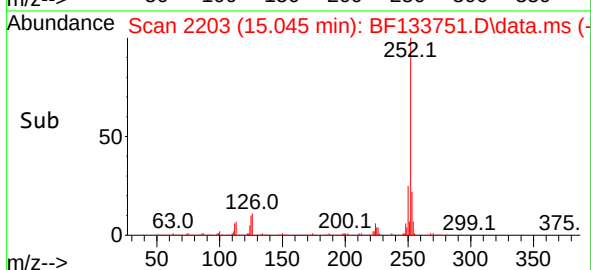
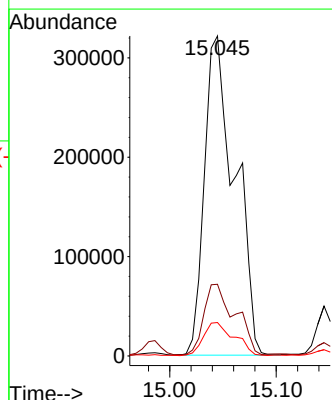
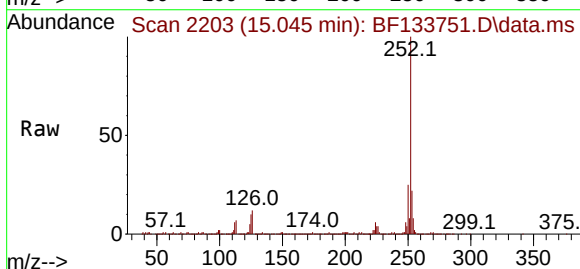
Tgt Ion:252 Resp: 641537

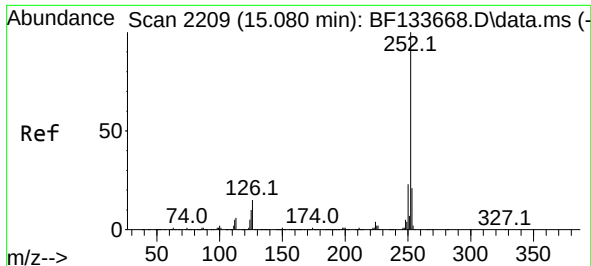
Ion Ratio Lower Upper

252 100

253 22.4 17.0 25.6

125 10.5 7.3 10.9

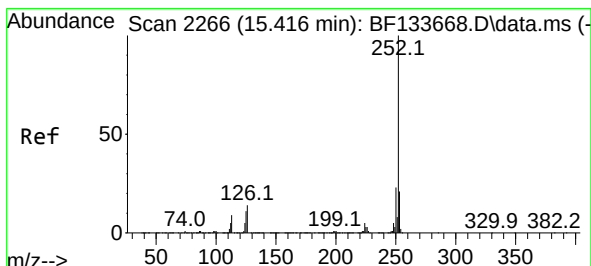
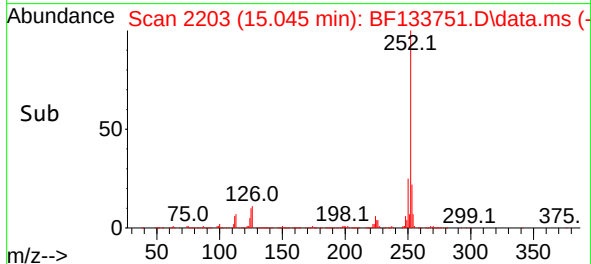
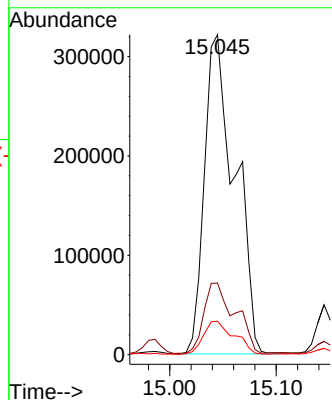
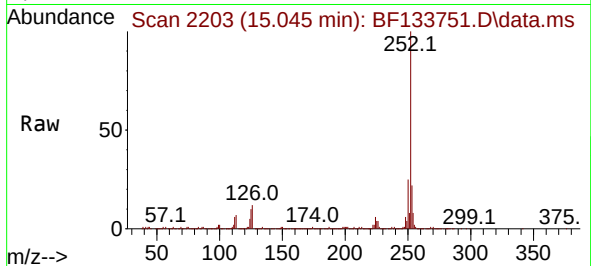




#89
Benzo(k)fluoranthene
Concen: 42.127 ng
RT: 15.045 min Scan# 21
Delta R.T. -0.029 min
Lab File: BF133751.D
Acq: 14 Jun 2023 15:03

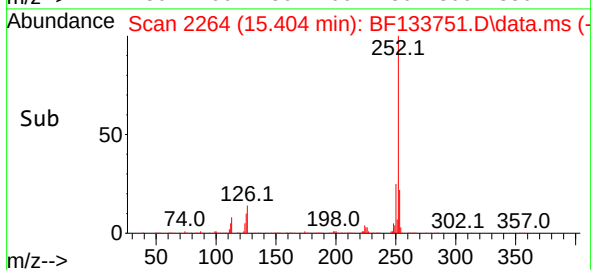
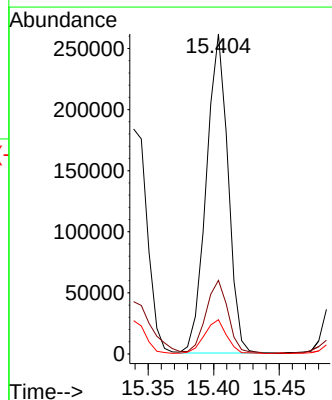
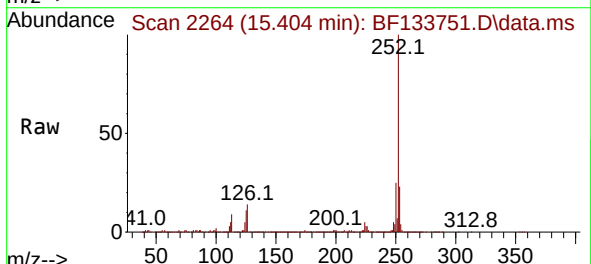
Instrument :
BNA_F
ClientSampleId :
WC-1DL

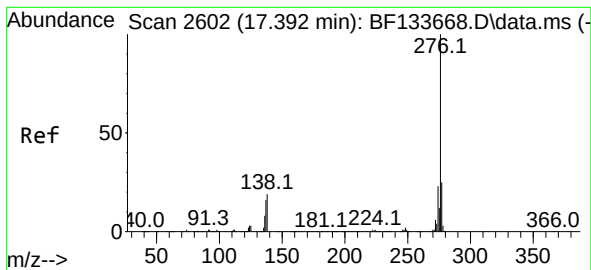
Tgt Ion:252 Resp: 641537
Ion Ratio Lower Upper
252 100
253 22.4 17.0 25.4
125 10.5 7.8 11.6



#90
Benzo(a)pyrene
Concen: 20.722 ng
RT: 15.404 min Scan# 2264
Delta R.T. -0.006 min
Lab File: BF133751.D
Acq: 14 Jun 2023 15:03

Tgt Ion:252 Resp: 300662
Ion Ratio Lower Upper
252 100
253 23.0 17.1 25.7
125 10.7 8.6 13.0





#92

Benzo(g,h,i)perylene

Concen: 8.543 ng

RT: 17.362 min Scan# 21

Delta R.T. -0.018 min

Lab File: BF133751.D

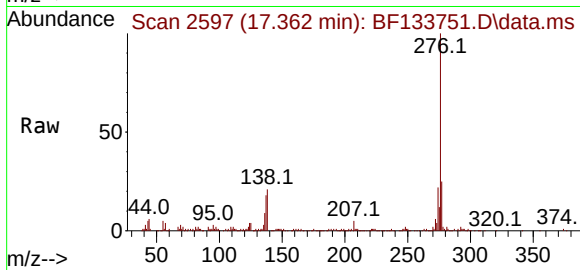
Acq: 14 Jun 2023 15:03

Instrument :

BNA_F

ClientSampleId :

WC-1DL



Tgt Ion:276 Resp: 124159

Ion Ratio Lower Upper

276 100

277 25.1 19.8 29.8

138 20.5 15.0 22.4

