

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061223\
 Data File : BF133714.D
 Acq On : 12 Jun 2023 20:42
 Operator : CG\JU
 Sample : 03044-14
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-08-0-2.0

Quant Time: Jun 12 22:11:54 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	6.834	152	71758	20.000	ng	0.00
21) Naphthalene-d8	8.116	136	251159	20.000	ng	0.00
39) Acenaphthene-d10	9.869	164	107830	20.000	ng	0.00
64) Phenanthrene-d10	11.363	188	201038	20.000	ng	0.00
76) Chrysene-d12	14.010	240	119679	20.000	ng	0.00
86) Perylene-d12	15.480	264	95848	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.440	112	354765	86.069	ng	0.00
7) Phenol-d6	6.457	99	425315	79.271	ng	-0.01
23) Nitrobenzene-d5	7.392	82	277804	60.245	ng	-0.01
42) 2,4,6-Tribromophenol	10.663	330	99447	72.858	ng	0.00
45) 2-Fluorobiphenyl	9.192	172	479052	63.153	ng	0.00
79) Terphenyl-d14	12.951	244	481535	62.258	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.392	70	39878	11.682	ng	# 79
25) Isophorone	7.392	82	277804	32.815	ng	# 65
51) 2,6-Dinitrotoluene	9.869	165	14557	8.762	ng	# 30
52) Acenaphthene	9.904	154	14064	2.213	ng	92
58) Fluorene	10.416	166	17039	2.298	ng	# 96
63) Azobenzene	10.581	77	15549	2.005	ng	# 1
67) 4-Bromophenyl-phenylether	10.657	248	6725	2.997	ng	# 1
71) Phenanthrene	11.386	178	199404	19.550	ng	99
72) Anthracene	11.433	178	48785	4.587	ng	100
75) Fluoranthene	12.580	202	331203	30.578	ng	99
78) Pyrene	12.810	202	321886	28.872	ng	99
81) Benzo(a)anthracene	13.998	228	125156	15.119	ng	96
83) Chrysene	13.998	228	125156	15.985	ng	96
84) Bis(2-ethylhexyl)phtha...	13.986	149	15906	2.745	ng	# 93
87) Indeno(1,2,3-cd)pyrene	16.945	276	48013	7.281	ng	96
88) Benzo(b)fluoranthene	15.051	252	142366	24.452	ng	# 88
89) Benzo(k)fluoranthene	15.051	252	142366	25.101	ng	# 88
90) Benzo(a)pyrene	15.416	252	78754	14.574	ng	# 90
91) Dibenzo(a,h)anthracene	16.957	278	11819	2.165	ng	# 58
92) Benzo(g,h,i)perylene	17.392	276	47869	8.844	ng	96

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

BNA F

BNA F

ClientSampleId :

SB-08-0-2.0

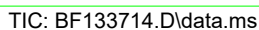
Quant Time: Jun 12 22:11:54 2023

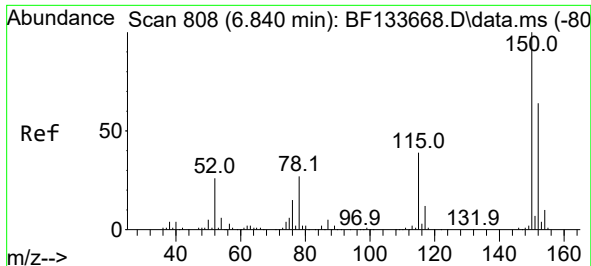
Quant Method : Z:\svoasrv\HPCHEM1\BNA F\Methods\8270-BF060923.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Mon Jun 12 16:32:43 2023

Response via : Initial Calibration

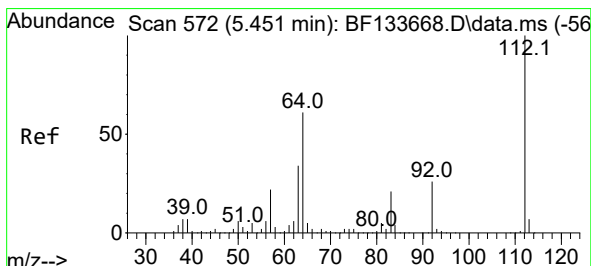
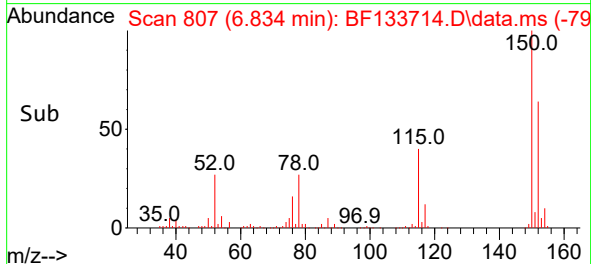
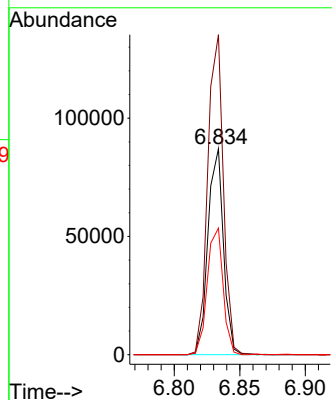
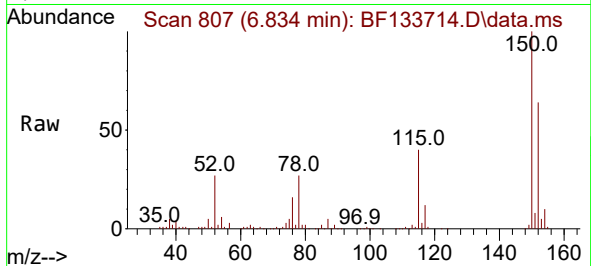




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.834 min Scan# 80
Delta R.T. -0.000 min
Lab File: BF133714.D
Acq: 12 Jun 2023 20:42

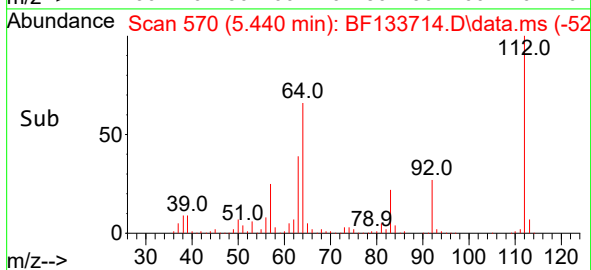
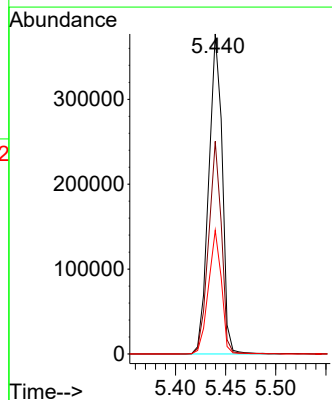
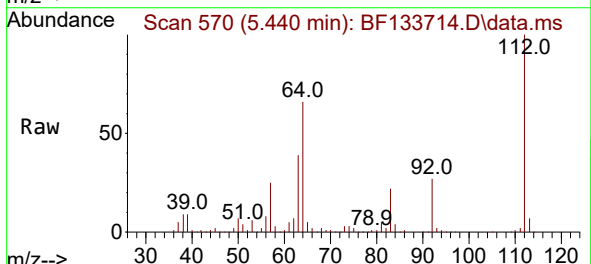
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SB-08-0-2.0

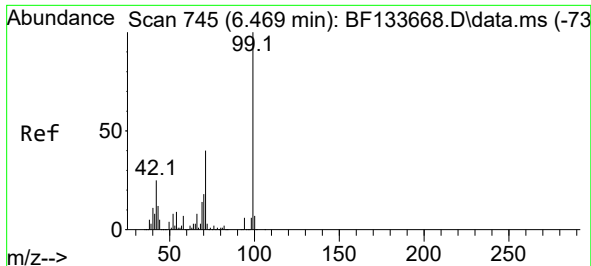
Tgt Ion:152 Resp: 71758
Ion Ratio Lower Upper
152 100
150 155.4 124.3 186.5
115 61.4 48.5 72.7



#5
2-Fluorophenol
Concen: 86.069 ng
RT: 5.440 min Scan# 570
Delta R.T. -0.006 min
Lab File: BF133714.D
Acq: 12 Jun 2023 20:42

Tgt Ion:112 Resp: 354765
Ion Ratio Lower Upper
112 100
64 66.5 49.0 73.4
63 38.6 26.8 40.2

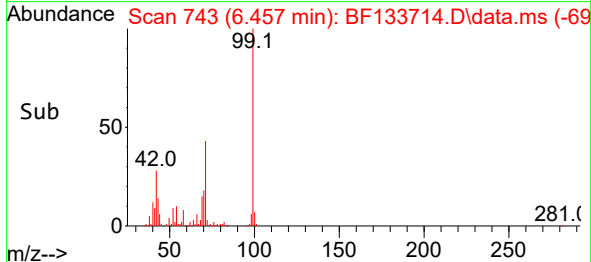
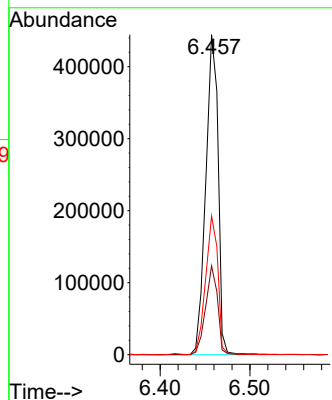
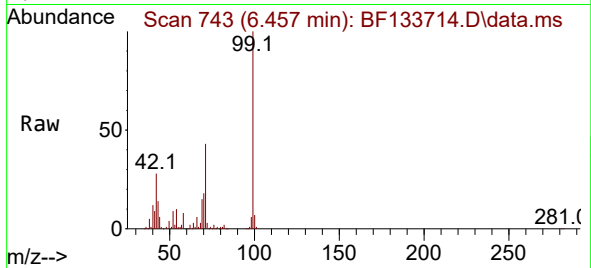




#7
Phenol-d6
Concen: 79.271 ng
RT: 6.457 min Scan# 74
Delta R.T. -0.012 min
Lab File: BF133714.D
Acq: 12 Jun 2023 20:42

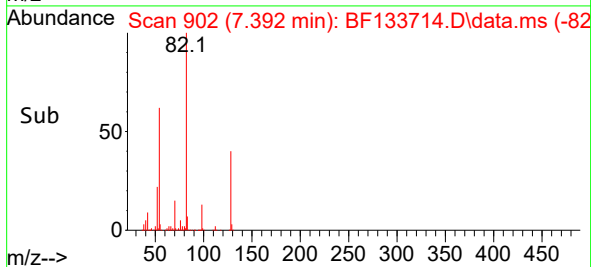
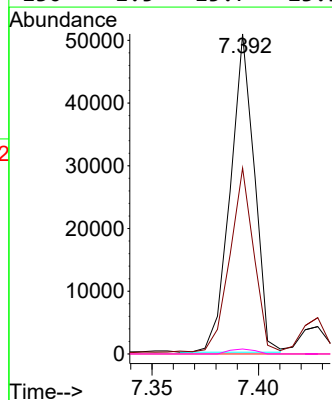
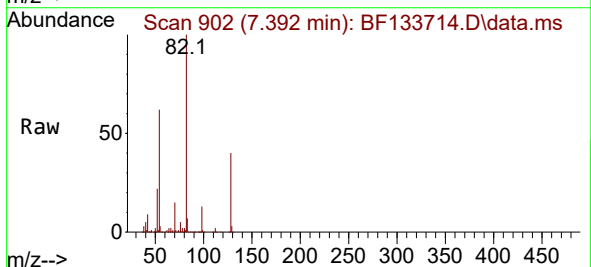
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BNA_F
ClientSampleId :
SB-08-0-2.0

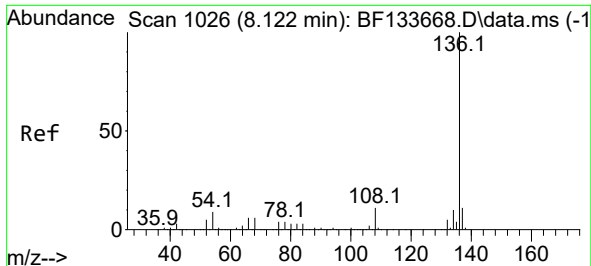
Tgt Ion: 99 Resp: 425315
Ion Ratio Lower Upper
99 100
42 27.8 19.9 29.9
71 43.4 32.2 48.4



#19
n-Nitroso-di-n-propylamine
Concen: 11.682 ng
RT: 7.392 min Scan# 902
Delta R.T. 0.141 min
Lab File: BF133714.D
Acq: 12 Jun 2023 20:42

Tgt Ion: 70 Resp: 39878
Ion Ratio Lower Upper
70 100
42 58.1 55.8 83.8
101 0.0 8.1 12.1#
130 1.5 15.7 23.5#

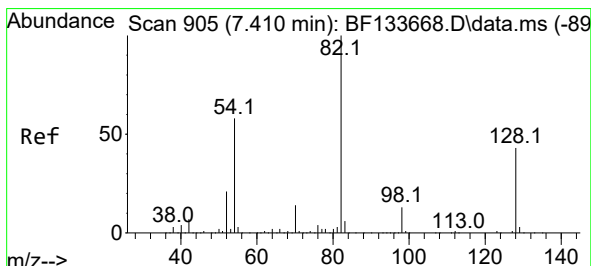
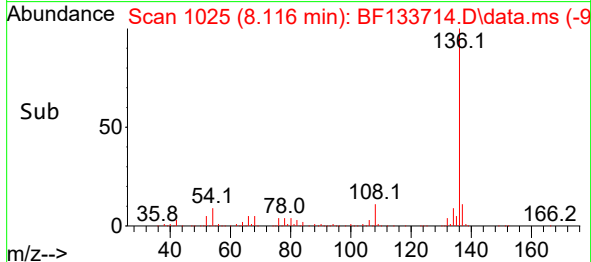
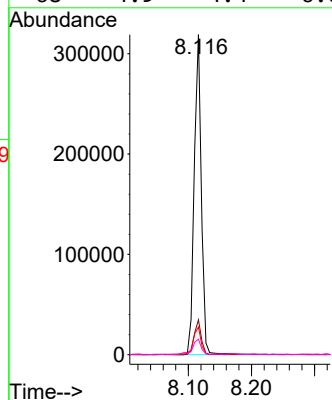
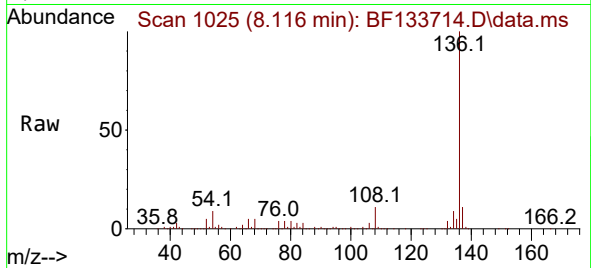




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.116 min Scan# 10
Delta R.T. -0.006 min
Lab File: BF133714.D
Acq: 12 Jun 2023 20:42

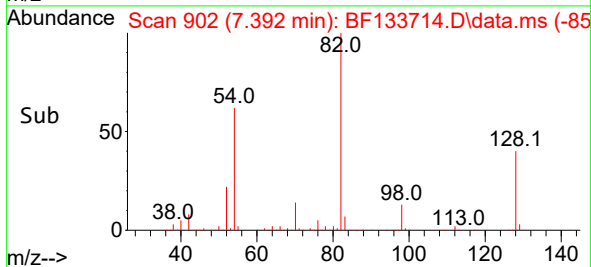
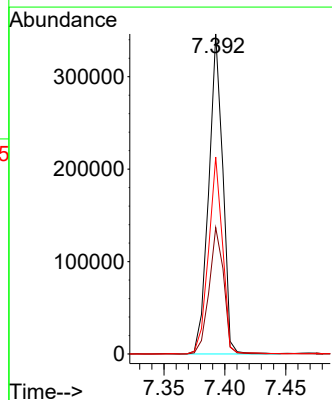
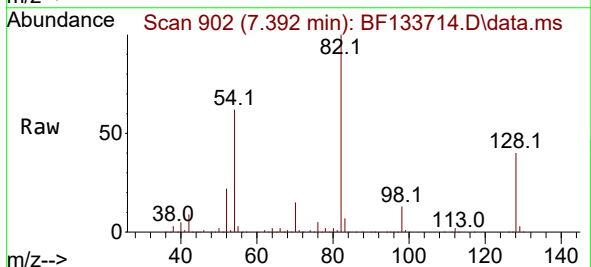
Instrument :
BNA_F
ClientSampleId :
SB-08-0-2.0

Tgt Ion:136 Resp: 251159
Ion Ratio Lower Upper
136 100
137 10.9 8.8 13.2
54 8.6 7.4 11.0
68 4.9 4.4 6.6



#23
Nitrobenzene-d5
Concen: 60.245 ng
RT: 7.392 min Scan# 902
Delta R.T. -0.012 min
Lab File: BF133714.D
Acq: 12 Jun 2023 20:42

Tgt Ion: 82 Resp: 277804
Ion Ratio Lower Upper
82 100
128 39.5 34.2 51.2
54 61.6 46.5 69.7

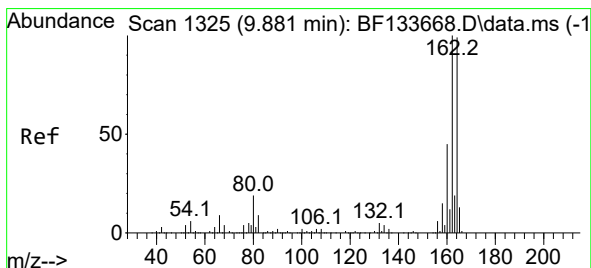
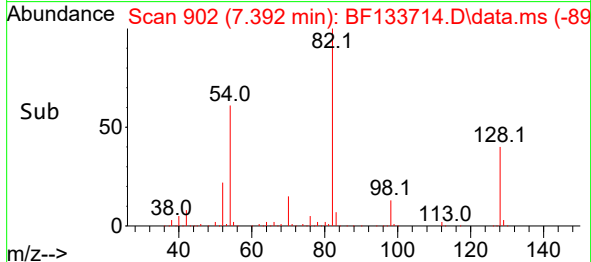
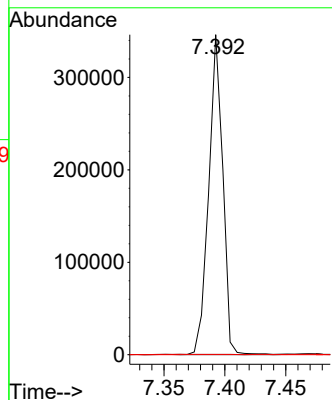
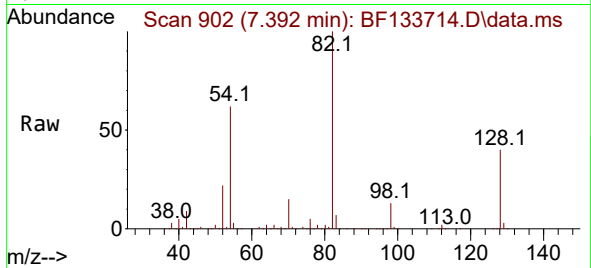




#25
Isophorone
Concen: 32.815 ng
RT: 7.392 min Scan# 90
Delta R.T. -0.265 min
Lab File: BF133714.D
Acq: 12 Jun 2023 20:42

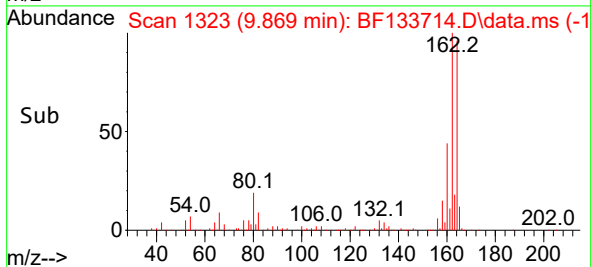
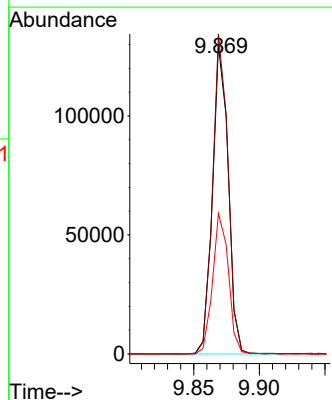
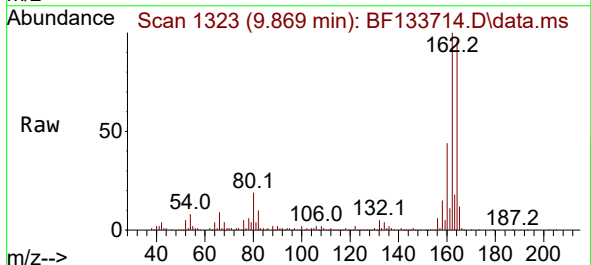
Instrument :
BNA_F
ClientSampleId :
SB-08-0-2.0

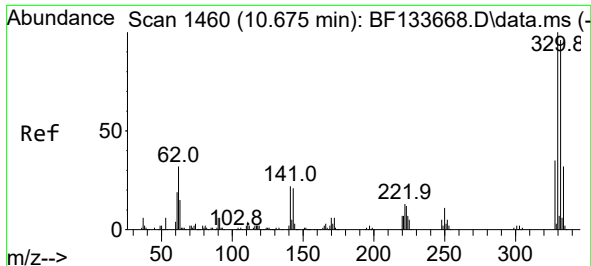
Tgt Ion: 82 Resp: 277804
Ion Ratio Lower Upper
82 100
95 0.1 6.0 9.0#
138 0.0 14.2 21.2#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.869 min Scan# 1323
Delta R.T. -0.006 min
Lab File: BF133714.D
Acq: 12 Jun 2023 20:42

Tgt Ion:164 Resp: 107830
Ion Ratio Lower Upper
164 100
162 103.8 80.8 121.2
160 45.6 36.7 55.1





#42

2,4,6-Tribromophenol

Concen: 72.858 ng

RT: 10.663 min Scan# 1460

Delta R.T. -0.006 min

Lab File: BF133714.D

Acq: 12 Jun 2023 20:42

Instrument :

BNA_F

ClientSampleId :

SB-08-0-2.0

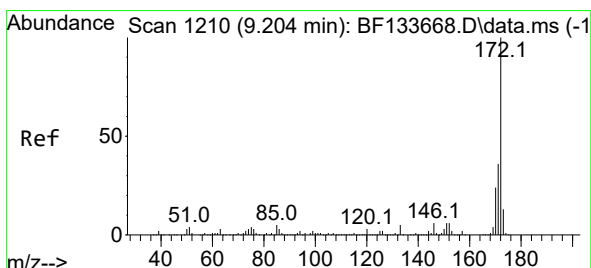
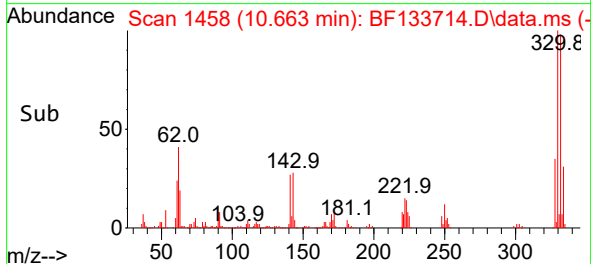
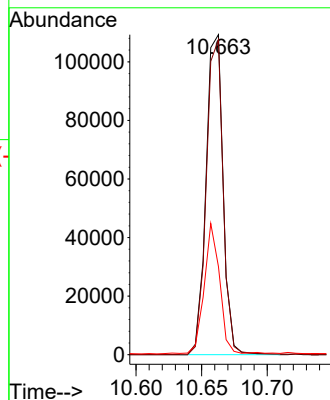
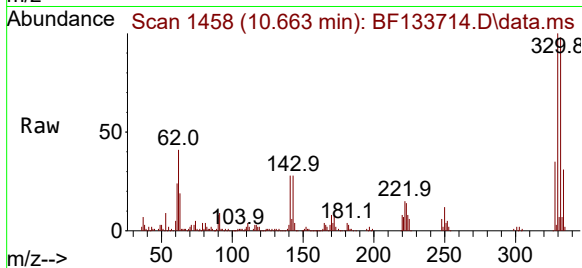
Tgt Ion:330 Resp: 99447

Ion Ratio Lower Upper

330 100

332 97.0 77.2 115.8

141 36.7 24.9 37.3



#45

2-Fluorobiphenyl

Concen: 63.153 ng

RT: 9.192 min Scan# 1208

Delta R.T. -0.006 min

Lab File: BF133714.D

Acq: 12 Jun 2023 20:42

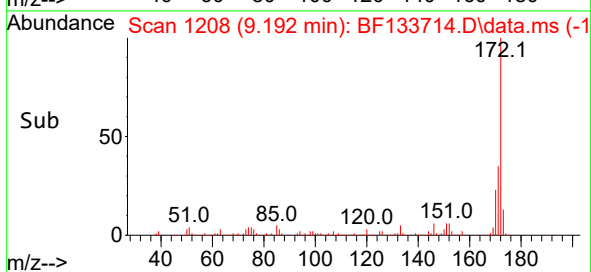
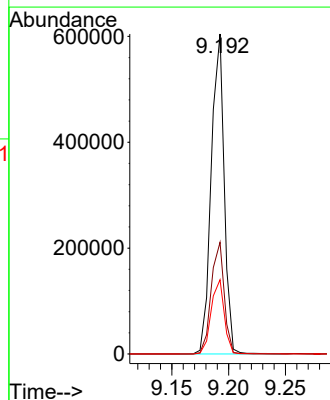
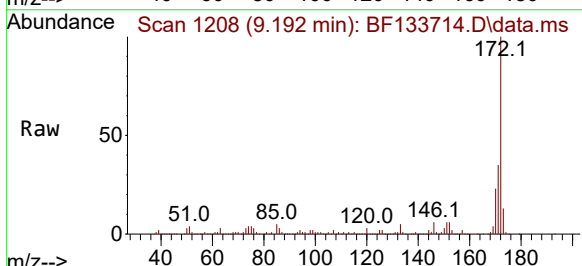
Tgt Ion:172 Resp: 479052

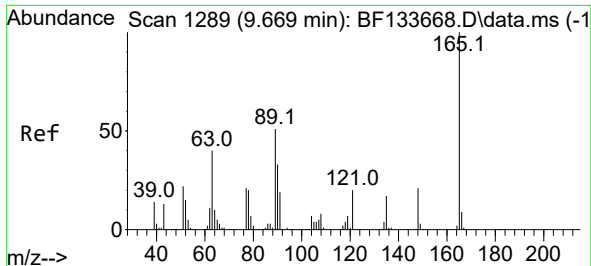
Ion Ratio Lower Upper

172 100

171 34.9 28.6 43.0

170 23.2 19.1 28.7

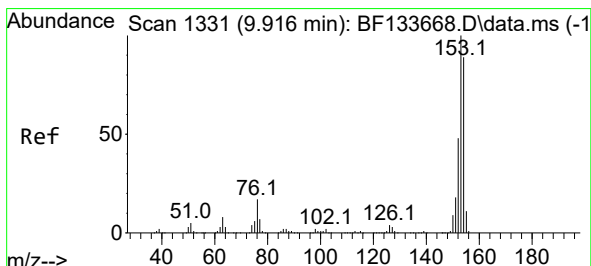
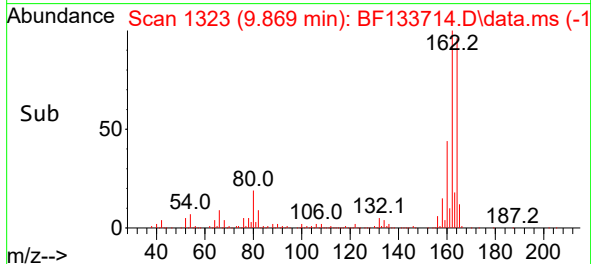
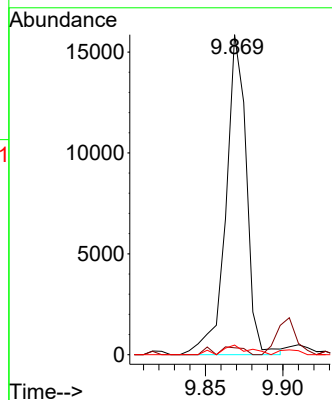
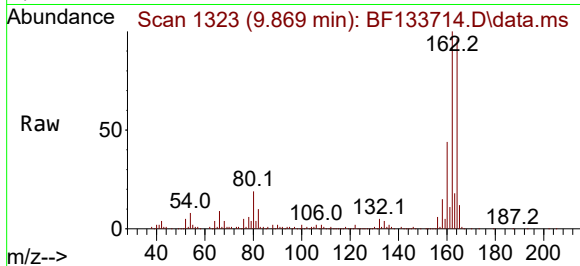




#51
2,6-Dinitrotoluene
Concen: 8.762 ng
RT: 9.869 min Scan# 11
Delta R.T. 0.206 min
Lab File: BF133714.D
Acq: 12 Jun 2023 20:42

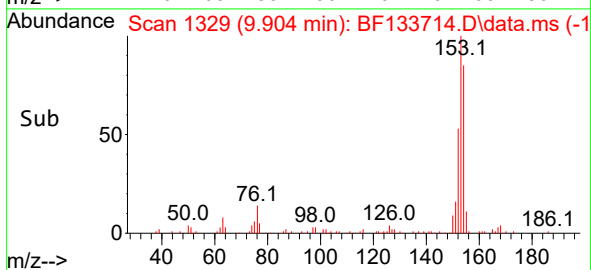
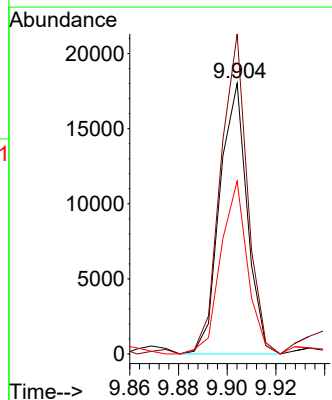
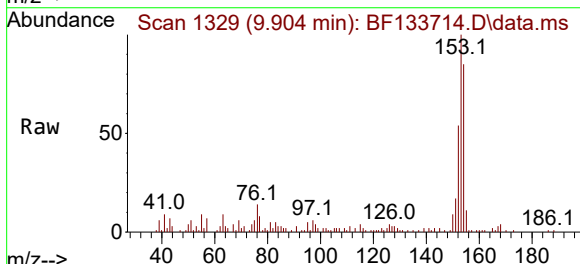
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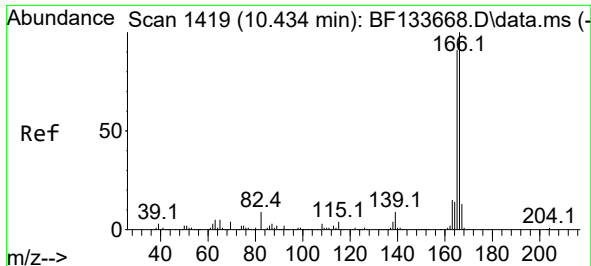
Tgt Ion:165 Resp: 14557
Ion Ratio Lower Upper
165 100
63 2.2 42.1 63.1#
89 3.0 40.9 61.3#



#52
Acenaphthene
Concen: 2.213 ng
RT: 9.904 min Scan# 1329
Delta R.T. -0.006 min
Lab File: BF133714.D
Acq: 12 Jun 2023 20:42

Tgt Ion:154 Resp: 14064
Ion Ratio Lower Upper
154 100
153 118.3 89.8 134.8
152 63.9 43.4 65.2

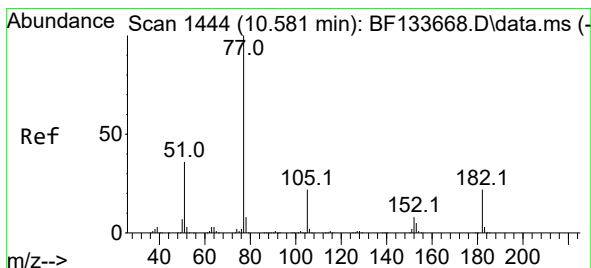
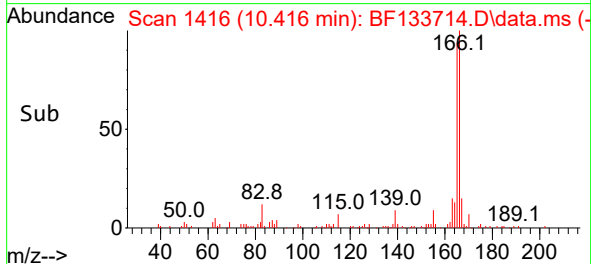
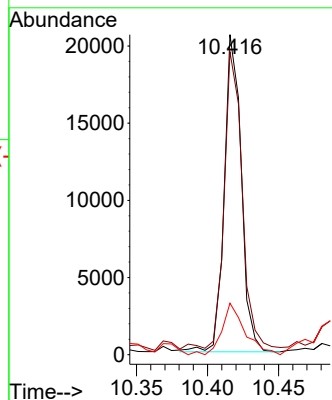
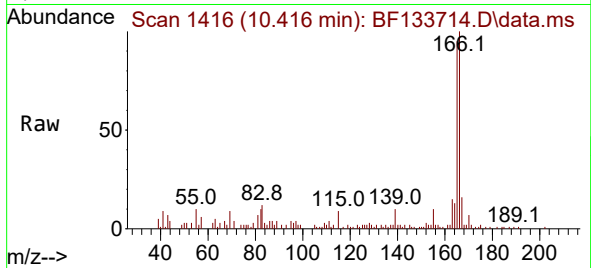




#58
Fluorene
Concen: 2.298 ng
RT: 10.416 min Scan# 1416
Delta R.T. -0.012 min
Lab File: BF133714.D
Acq: 12 Jun 2023 20:42

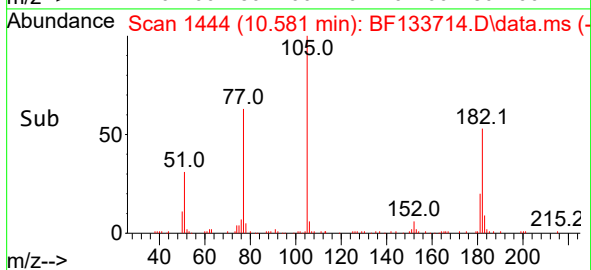
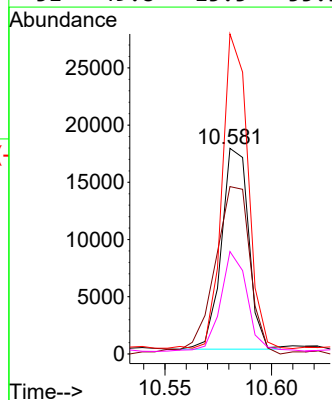
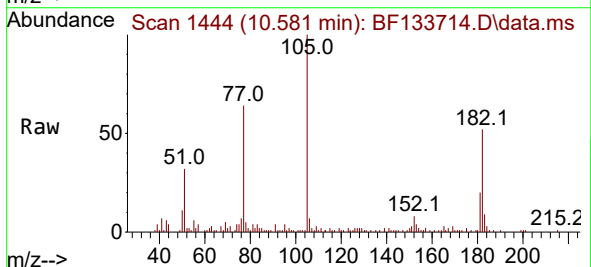
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ClientSampleId :
SB-08-0-2.0

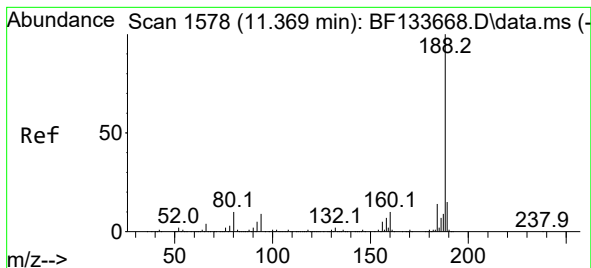
Tgt Ion:166 Resp: 17039
Ion Ratio Lower Upper
166 100
165 94.7 73.1 109.7
167 16.1 10.5 15.7#



#63
Azobenzene
Concen: 2.005 ng
RT: 10.581 min Scan# 1444
Delta R.T. 0.000 min
Lab File: BF133714.D
Acq: 12 Jun 2023 20:42

Tgt Ion: 77 Resp: 15549
Ion Ratio Lower Upper
77 100
182 81.4 1.6 41.6#
105 155.7 1.6 41.6#
51 49.8 15.5 55.5





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.363 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF133714.D

Acq: 12 Jun 2023 20:42

Instrument :

BNA_F

ClientSampleId :

SB-08-0-2.0

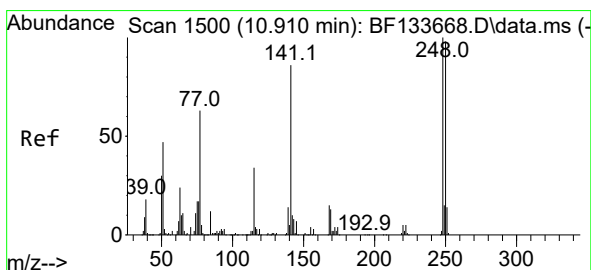
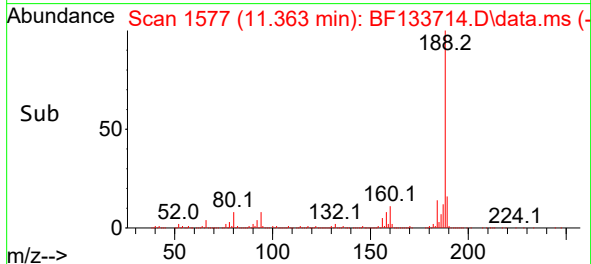
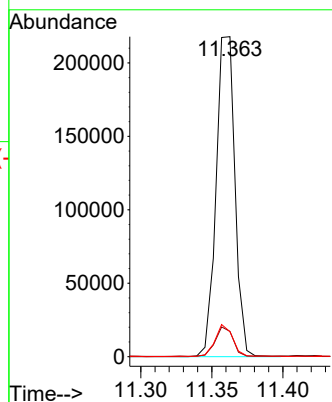
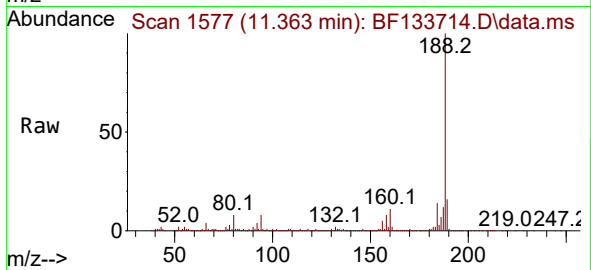
Tgt Ion:188 Resp: 201038

Ion Ratio Lower Upper

188 100

94 7.9 6.8 10.2

80 7.8 7.8 11.6



#67

4-Bromophenyl-phenylether

Concen: 2.997 ng

RT: 10.657 min Scan# 1457

Delta R.T. -0.253 min

Lab File: BF133714.D

Acq: 12 Jun 2023 20:42

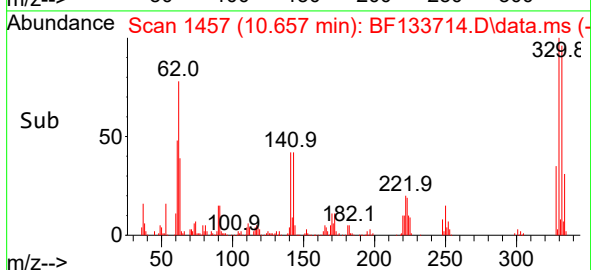
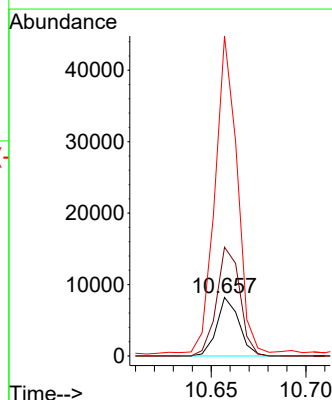
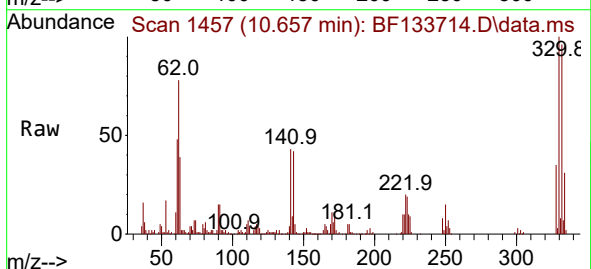
Tgt Ion:248 Resp: 6725

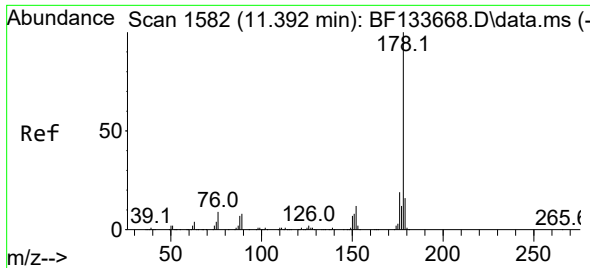
Ion Ratio Lower Upper

248 100

250 185.9 78.3 117.5#

141 546.9 69.0 103.6#

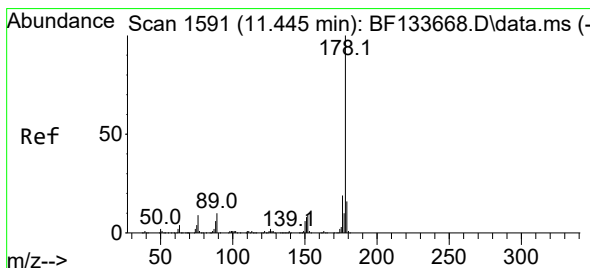
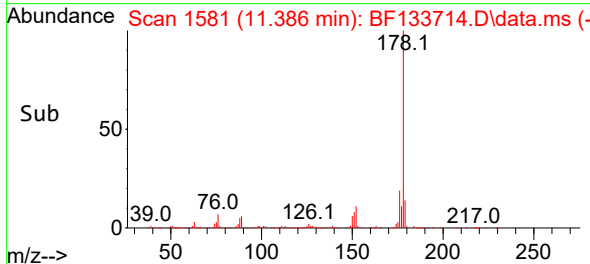
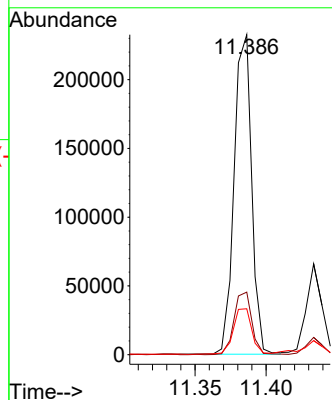
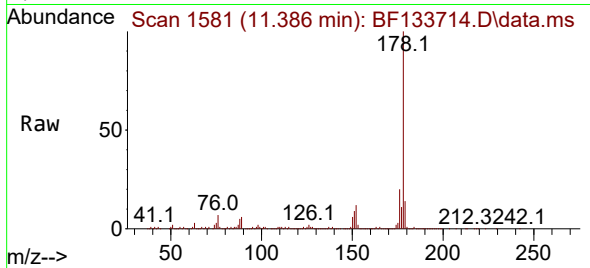




#71
Phenanthrene
Concen: 19.550 ng
RT: 11.386 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF133714.D
Acq: 12 Jun 2023 20:42

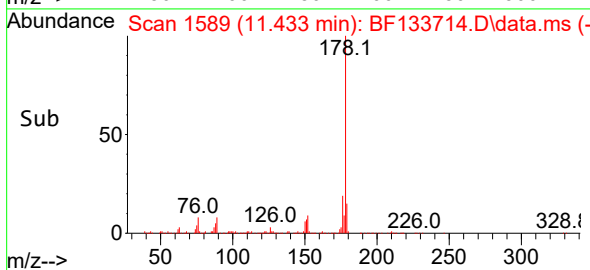
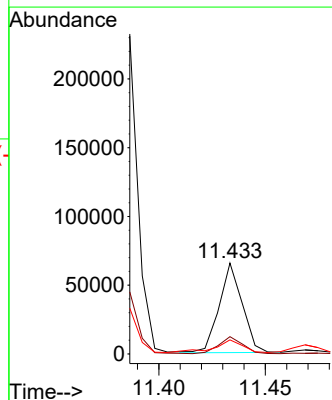
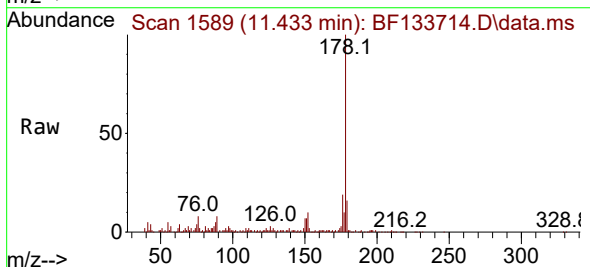
Instrument :
BNA_F
ClientSampleId :
SB-08-0-2.0

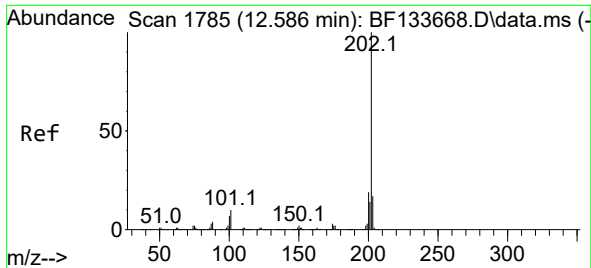
Tgt Ion:178 Resp: 199404
Ion Ratio Lower Upper
178 100
176 19.5 15.6 23.4
179 14.4 12.4 18.6



#72
Anthracene
Concen: 4.587 ng
RT: 11.433 min Scan# 1589
Delta R.T. -0.012 min
Lab File: BF133714.D
Acq: 12 Jun 2023 20:42

Tgt Ion:178 Resp: 48785
Ion Ratio Lower Upper
178 100
176 19.0 15.1 22.7
179 15.6 12.6 18.8

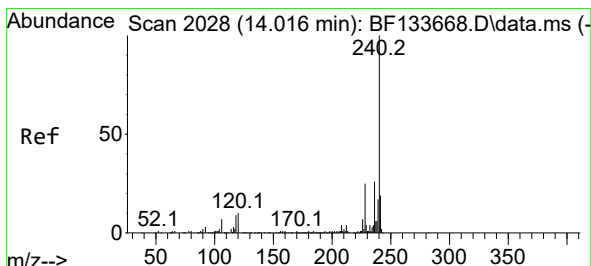
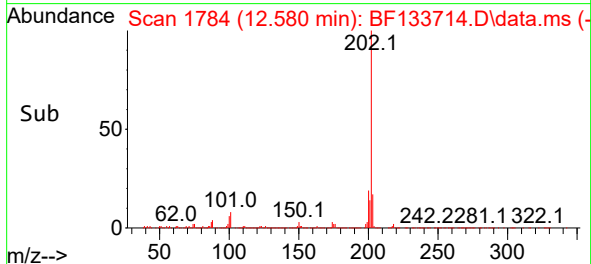
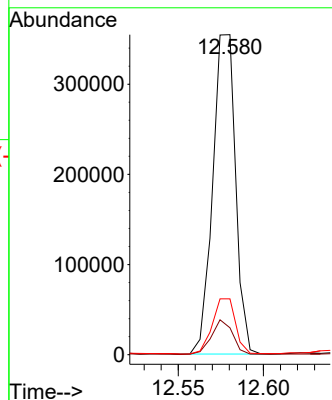
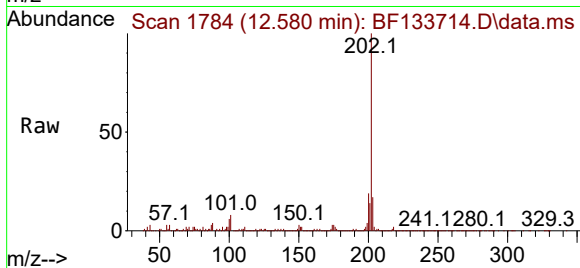




#75
Fluoranthene
Concen: 30.578 ng
RT: 12.580 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF133714.D
Acq: 12 Jun 2023 20:42

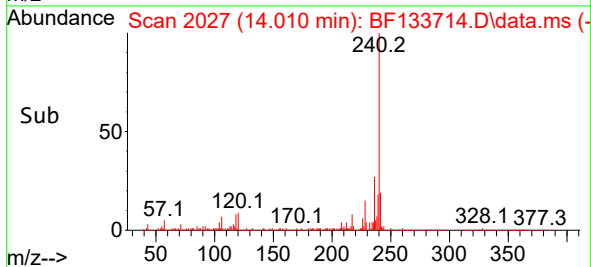
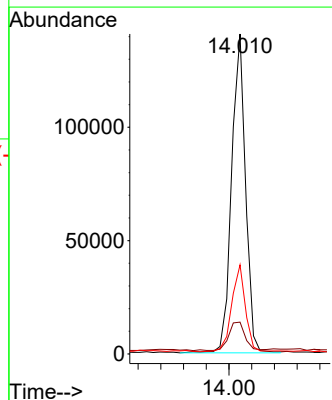
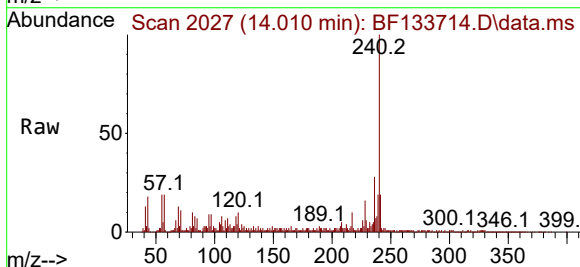
Instrument :
BNA_F
ClientSampleId :
SB-08-0-2.0

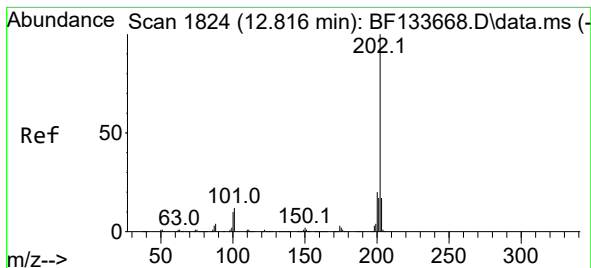
Tgt Ion:202 Resp: 331203
Ion Ratio Lower Upper
202 100
101 8.4 0.0 29.6
203 17.4 0.0 37.4



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.010 min Scan# 2027
Delta R.T. -0.006 min
Lab File: BF133714.D
Acq: 12 Jun 2023 20:42

Tgt Ion:240 Resp: 119679
Ion Ratio Lower Upper
240 100
120 10.0 8.1 12.1
236 27.9 20.5 30.7





#78

Pyrene

Concen: 28.872 ng

RT: 12.810 min Scan# 1823

Delta R.T. 0.000 min

Lab File: BF133714.D

Acq: 12 Jun 2023 20:42

Instrument :

BNA_F

ClientSampleId :

SB-08-0-2.0

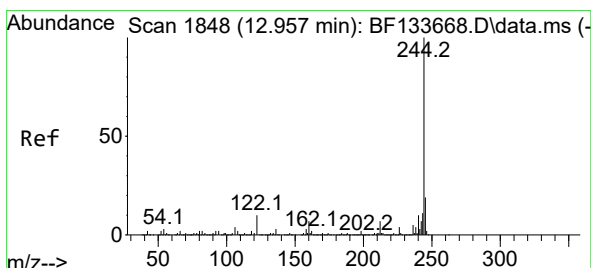
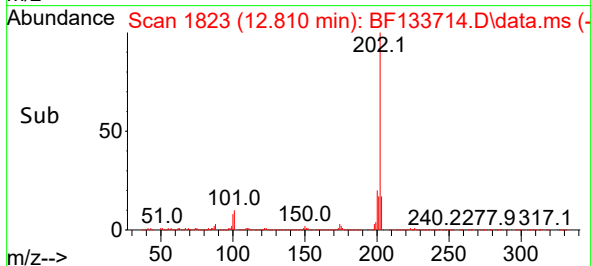
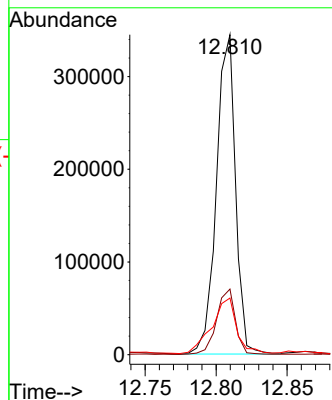
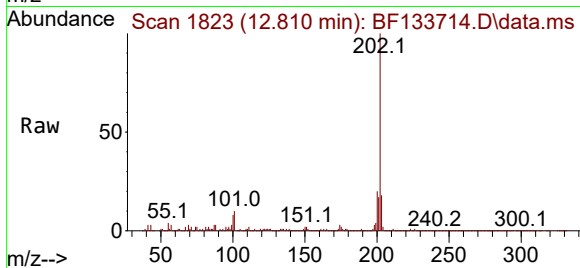
Tgt Ion:202 Resp: 321886

Ion Ratio Lower Upper

202 100

200 20.5 16.2 24.2

203 17.7 13.9 20.9



#79

Terphenyl-d14

Concen: 62.258 ng

RT: 12.951 min Scan# 1847

Delta R.T. -0.006 min

Lab File: BF133714.D

Acq: 12 Jun 2023 20:42

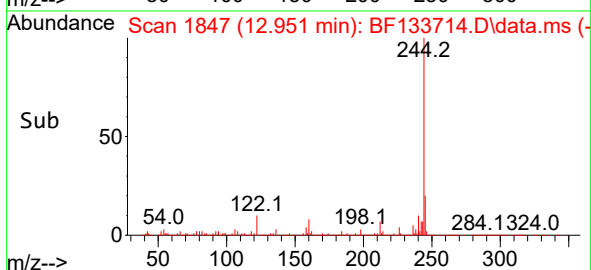
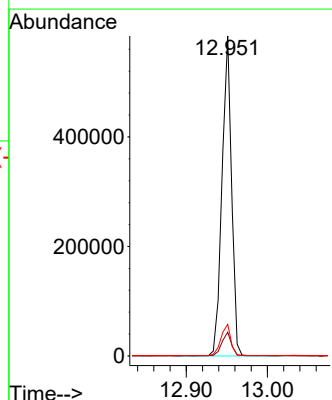
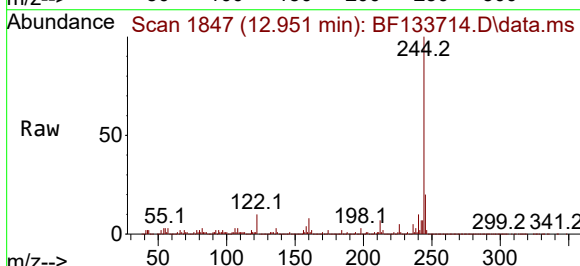
Tgt Ion:244 Resp: 481535

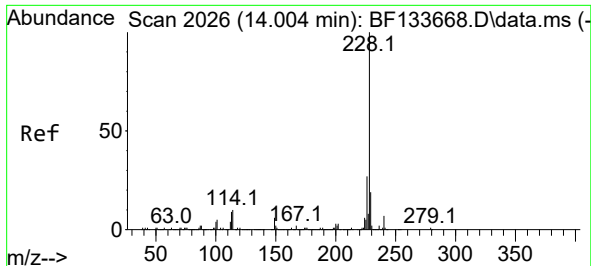
Ion Ratio Lower Upper

244 100

212 7.4 5.4 8.2

122 9.9 8.1 12.1

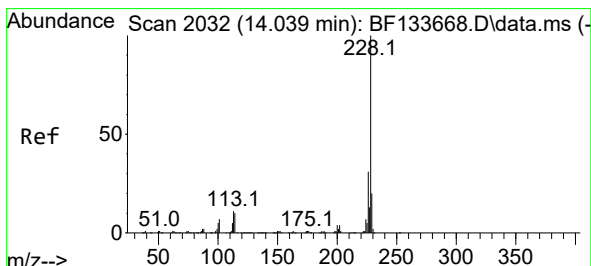
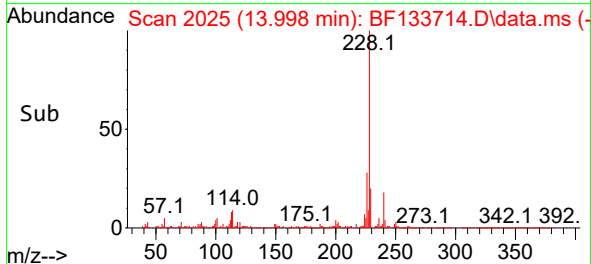
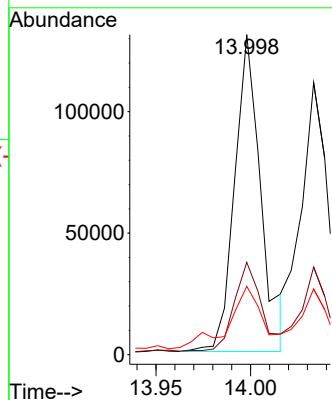
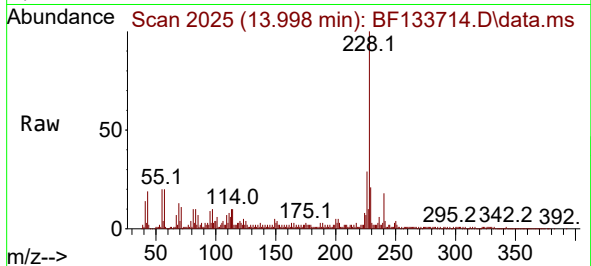




#81
Benzo(a)anthracene
Concen: 15.119 ng
RT: 13.998 min Scan# 2025
Delta R.T. -0.006 min
Lab File: BF133714.D
Acq: 12 Jun 2023 20:42

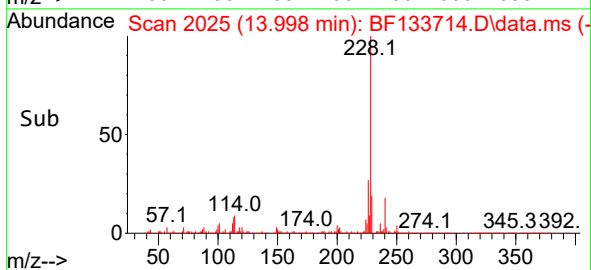
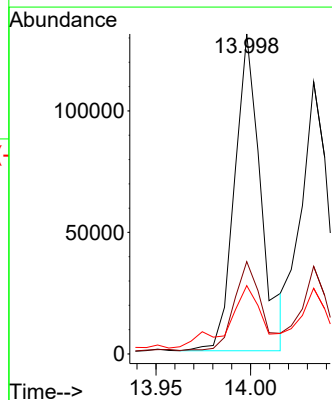
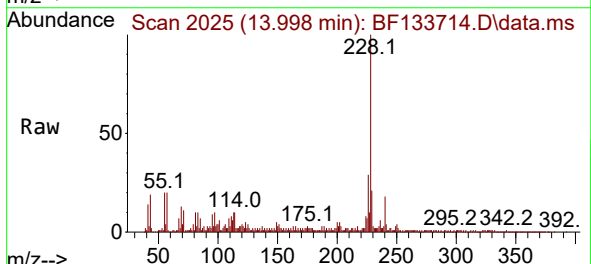
Instrument :
BNA_F
ClientSampleId :
SB-08-0-2.0

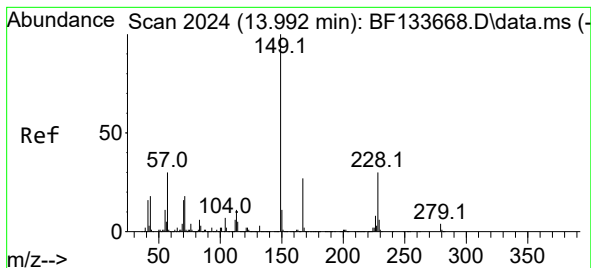
Tgt Ion:228 Resp: 125156
Ion Ratio Lower Upper
228 100
226 28.9 21.7 32.5
229 21.4 15.4 23.2



#83
Chrysene
Concen: 15.985 ng
RT: 13.998 min Scan# 2025
Delta R.T. -0.041 min
Lab File: BF133714.D
Acq: 12 Jun 2023 20:42

Tgt Ion:228 Resp: 125156
Ion Ratio Lower Upper
228 100
226 28.9 25.0 37.6
229 21.4 15.8 23.8





#84

Bis(2-ethylhexyl)phthalate

Concen: 2.745 ng

RT: 13.986 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF133714.D

Acq: 12 Jun 2023 20:42

Instrument :

BNA_F

ClientSampleId :

SB-08-0-2.0

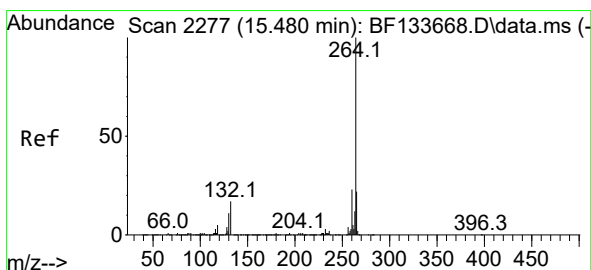
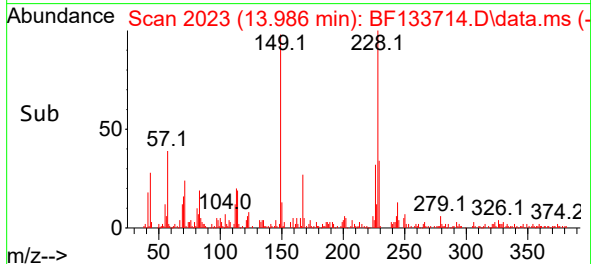
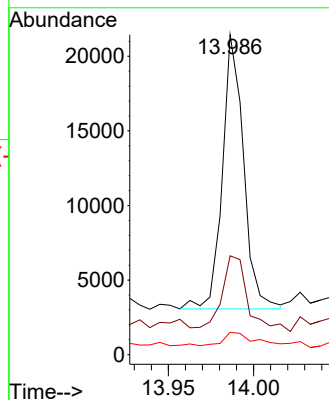
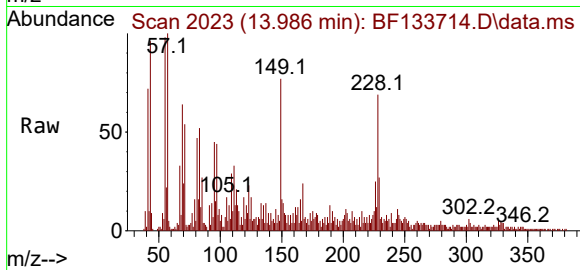
Tgt Ion:149 Resp: 15906

Ion Ratio Lower Upper

149 100

167 30.9 21.8 32.8

279 7.0 3.3 4.9#



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.480 min Scan# 2277

Delta R.T. 0.006 min

Lab File: BF133714.D

Acq: 12 Jun 2023 20:42

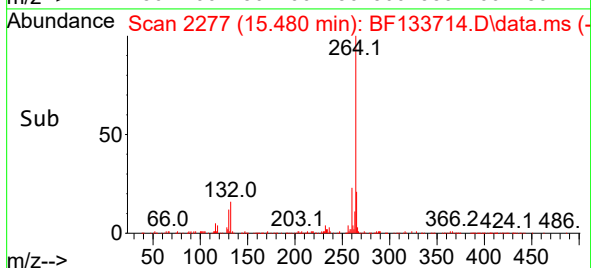
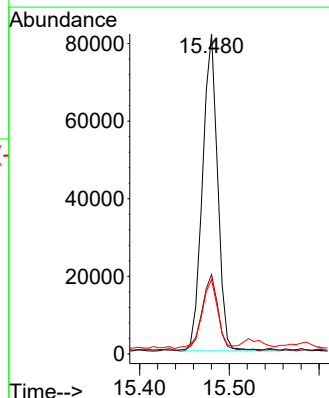
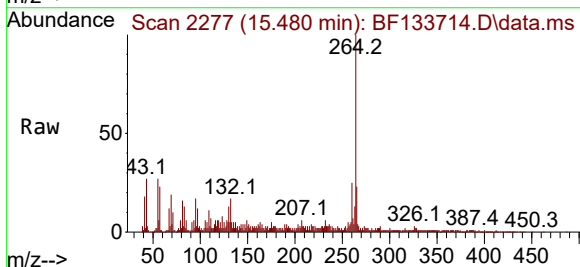
Tgt Ion:264 Resp: 95848

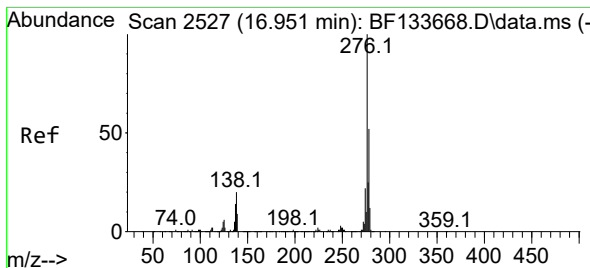
Ion Ratio Lower Upper

264 100

260 24.9 18.2 27.2

265 23.2 17.8 26.6





#87

Indeno(1,2,3-cd)pyrene

Concen: 7.281 ng

RT: 16.945 min Scan# 2

Delta R.T. 0.000 min

Lab File: BF133714.D

Acq: 12 Jun 2023 20:42

Instrument :

BNA_F

ClientSampleId :

SB-08-0-2.0

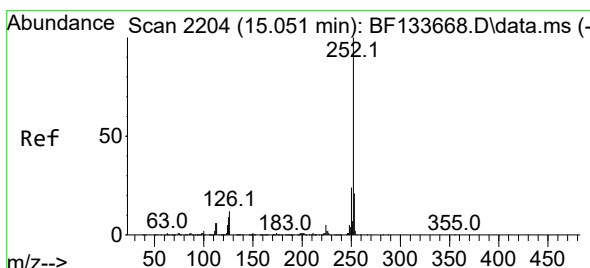
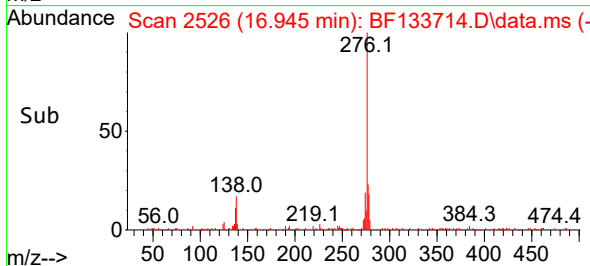
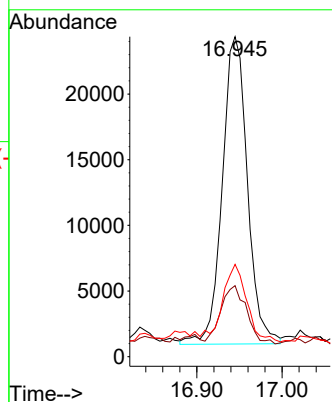
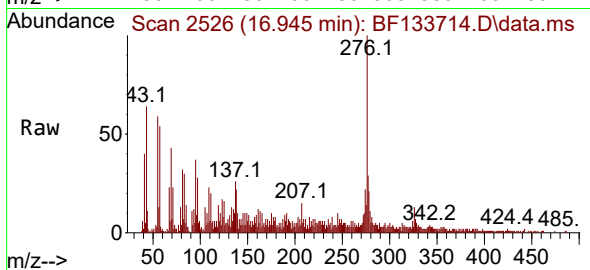
Tgt Ion:276 Resp: 48013

Ion Ratio Lower Upper

276 100

138 19.4 17.9 26.9

277 24.8 20.3 30.5



#88

Benzo(b)fluoranthene

Concen: 24.452 ng

RT: 15.051 min Scan# 2204

Delta R.T. 0.000 min

Lab File: BF133714.D

Acq: 12 Jun 2023 20:42

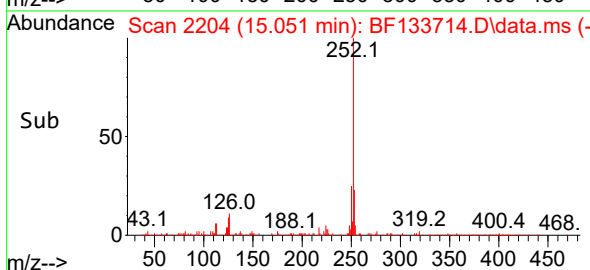
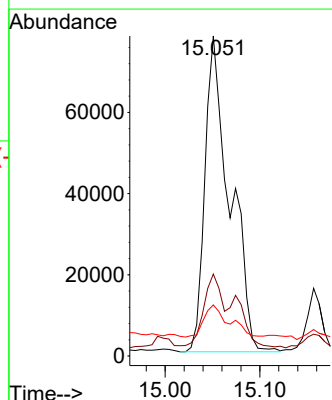
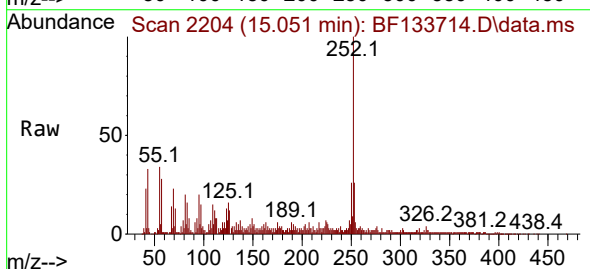
Tgt Ion:252 Resp: 142366

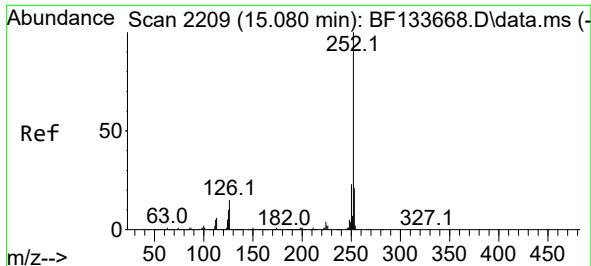
Ion Ratio Lower Upper

252 100

253 25.6 17.0 25.6#

125 15.9 7.3 10.9#

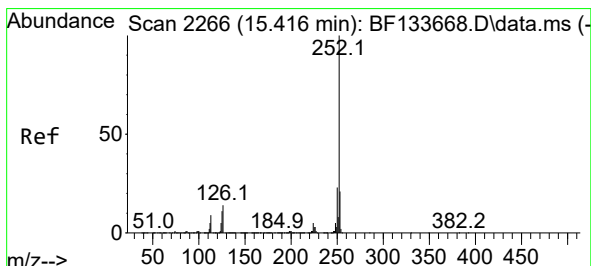
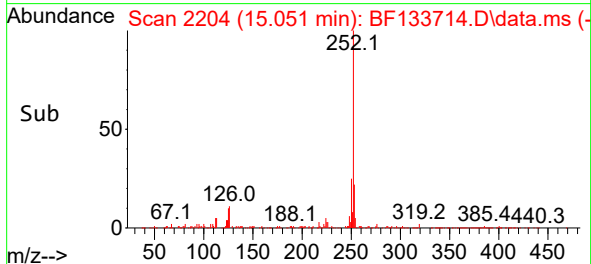
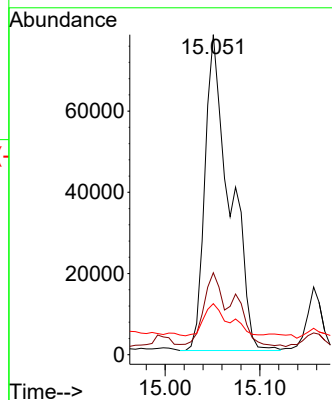
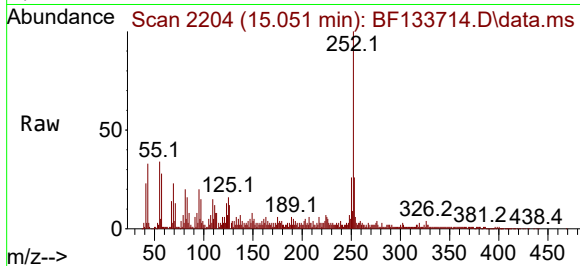




#89
Benzo(k)fluoranthene
Concen: 25.101 ng
RT: 15.051 min Scan# 21
Delta R.T. -0.029 min
Lab File: BF133714.D
Acq: 12 Jun 2023 20:42

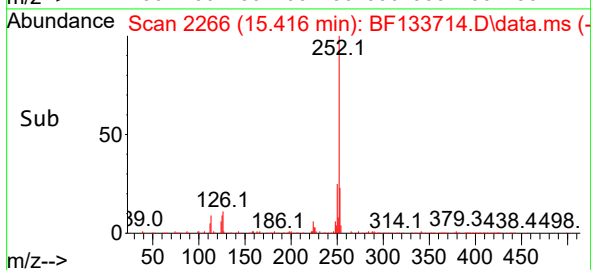
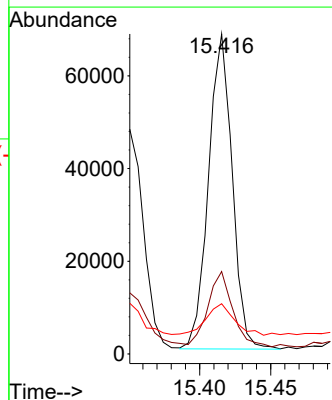
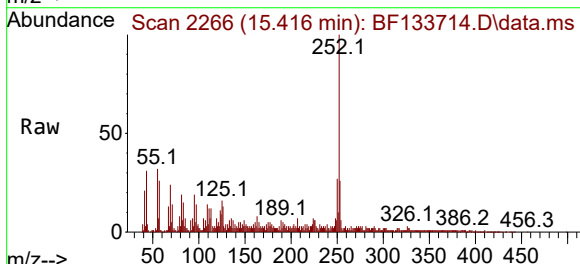
Instrument :
BNA_F
ClientSampleId :
SB-08-0-2.0

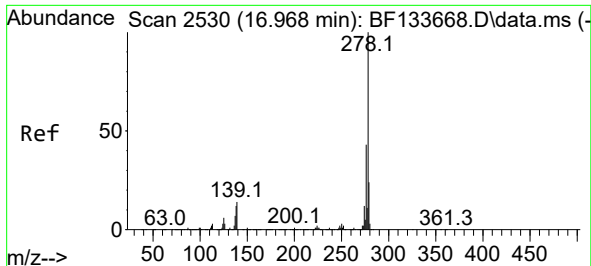
Tgt Ion:252 Resp: 142366
Ion Ratio Lower Upper
252 100
253 25.6 17.0 25.4#
125 15.9 7.8 11.6#



#90
Benzo(a)pyrene
Concen: 14.574 ng
RT: 15.416 min Scan# 2266
Delta R.T. 0.000 min
Lab File: BF133714.D
Acq: 12 Jun 2023 20:42

Tgt Ion:252 Resp: 78754
Ion Ratio Lower Upper
252 100
253 25.8 17.1 25.7#
125 15.7 8.6 13.0#

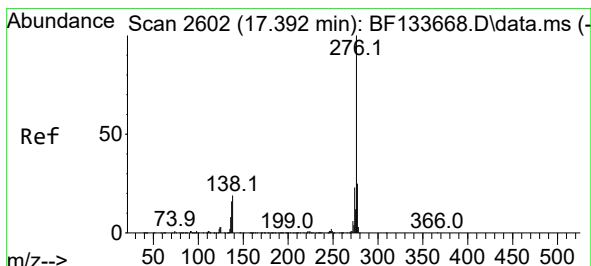
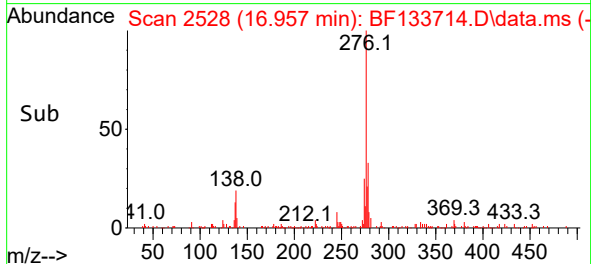
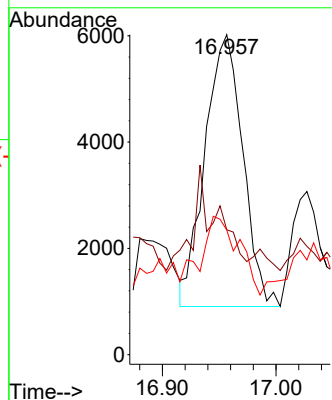
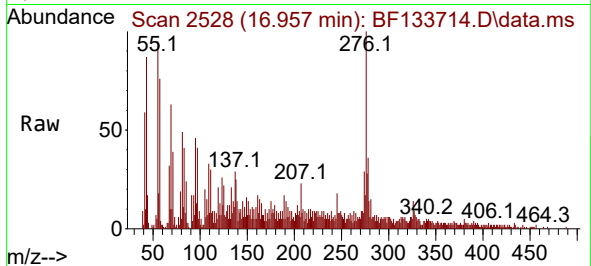




#91
Dibenzo(a,h)anthracene
Concen: 2.165 ng
RT: 16.957 min Scan# 2528
Delta R.T. -0.006 min
Lab File: BF133714.D
Acq: 12 Jun 2023 20:42

Instrument :
BNA_F
ClientSampleId :
SB-08-0-2.0

Tgt Ion:278 Resp: 11819
Ion Ratio Lower Upper
278 100
139 39.0 11.4 17.2#
279 39.0 19.0 28.4#



#92
Benzo(g,h,i)perylene
Concen: 8.844 ng
RT: 17.392 min Scan# 2602
Delta R.T. 0.000 min
Lab File: BF133714.D
Acq: 12 Jun 2023 20:42

Tgt Ion:276 Resp: 47869
Ion Ratio Lower Upper
276 100
277 22.9 19.8 29.8
138 21.1 15.0 22.4

