

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071723\
 Data File : BF134323.D
 Acq On : 17 Jul 2023 19:15
 Operator : CG\JU
 Sample : 03597-19
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RB-51-(0-2)

Quant Time: Jul 18 01:15:51 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 14 22:51:27 2023
 Response via : Initial Calibration

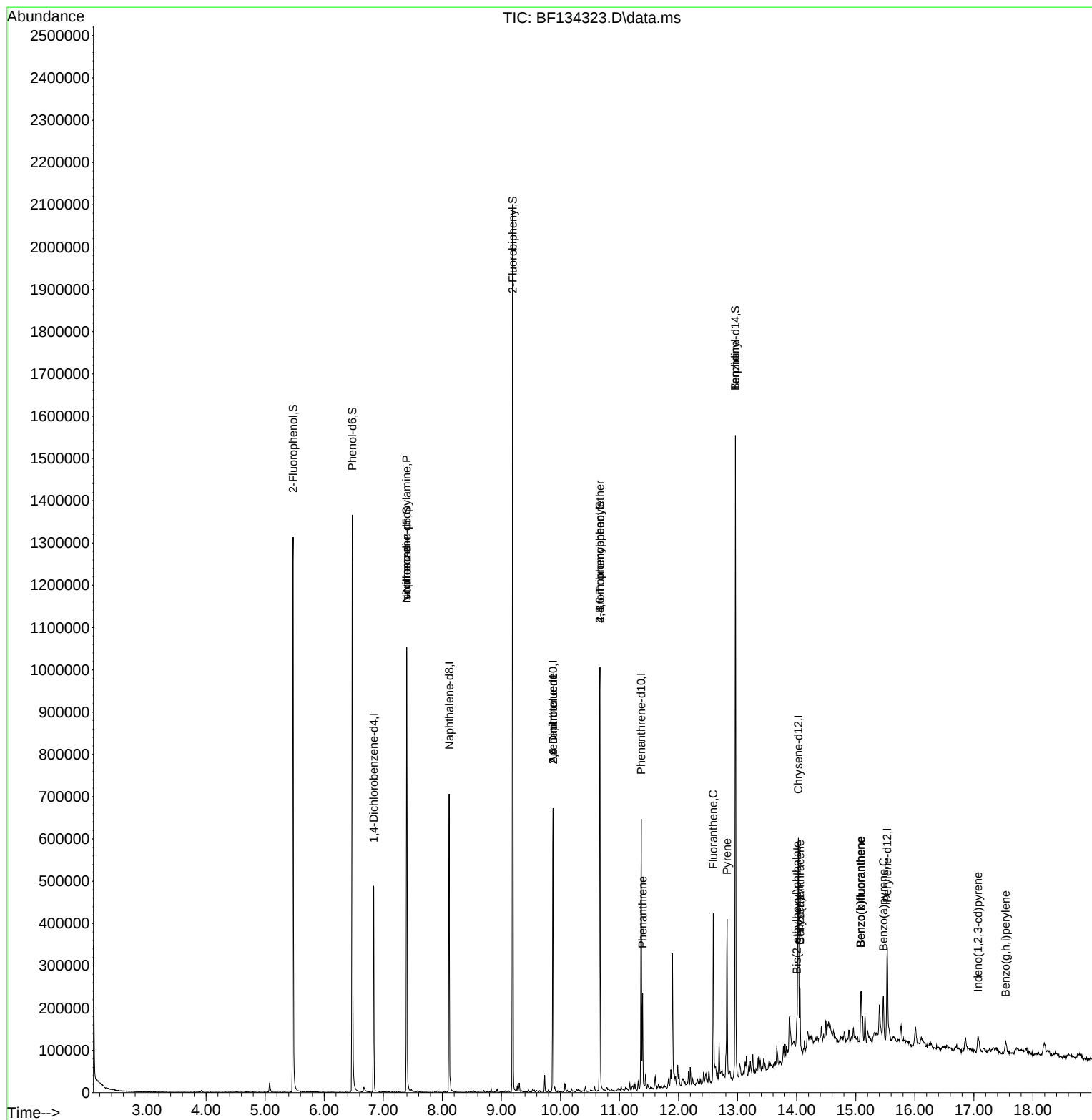
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.839	152	72948	20.000	ng	0.00
21) Naphthalene-d8	8.116	136	276182	20.000	ng	# 0.00
39) Acenaphthene-d10	9.875	164	127608	20.000	ng	0.00
64) Phenanthrene-d10	11.369	188	215913	20.000	ng	0.00
76) Chrysene-d12	14.027	240	144722	20.000	ng	-0.01
86) Perylene-d12	15.533	264	111063	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.475	112	355222	81.456	ng	0.00
7) Phenol-d6	6.475	99	432193	80.587	ng	-0.01
23) Nitrobenzene-d5	7.398	82	291113	56.820	ng	-0.01
42) 2,4,6-Tribromophenol	10.669	330	126614	79.136	ng	-0.01
45) 2-Fluorobiphenyl	9.192	172	547211	62.346	ng	-0.01
79) Terphenyl-d14	12.963	244	487316	54.193	ng	-0.01
Target Compounds						
9) Benzaldehyde	6.404	77	155	Below Cal		Qvalue # 32
19) n-Nitroso-di-n-propyla...	7.398	70	41689	12.258	ng	# 77
25) Isophorone	7.398	82	291111	31.264	ng	# 64
51) 2,6-Dinitrotoluene	9.875	165	16687	8.364	ng	# 23
57) 2,4-Dinitrotoluene	9.875	165	16687	6.333	ng	# 22
67) 4-Bromophenyl-phenylether	10.669	248	8006	3.489	ng	# 1
71) Phenanthrene	11.392	178	75959	6.988	ng	100
75) Fluoranthene	12.586	202	161621	13.754	ng	99
77) Benzidine	12.963	184	6888	2.000	ng	# 89
78) Pyrene	12.821	202	151459	11.246	ng	99
81) Benzo(a)anthracene	14.057	228	69154	6.890	ng	95
83) Chrysene	14.057	228	69154	7.114	ng	97
84) Bis(2-ethylhexyl)phtha...	14.004	149	24605	4.239	ng	# 99
87) Indeno(1,2,3-cd)pyrene	17.068	276	28390	3.684	ng	94
88) Benzo(b)fluoranthene	15.086	252	95296	14.592	ng	99
89) Benzo(k)fluoranthene	15.086	252	95296	14.332	ng	99
90) Benzo(a)pyrene	15.468	252	46690	7.393	ng	96
92) Benzo(g,h,i)perylene	17.539	276	28156	4.337	ng	96

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

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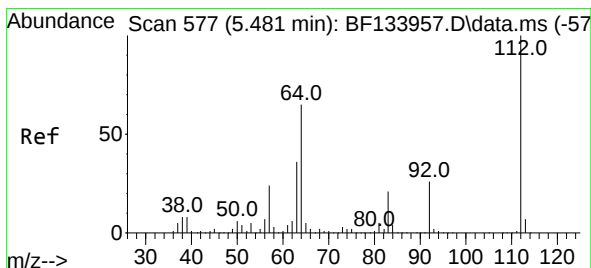
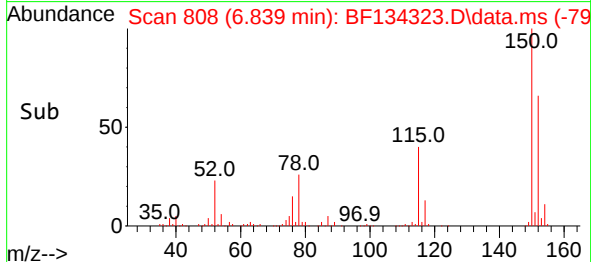
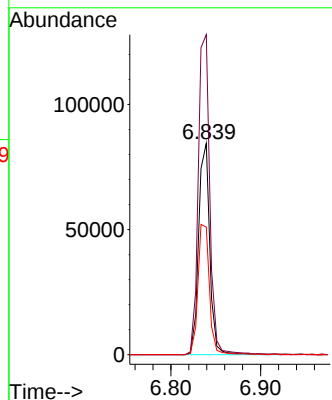
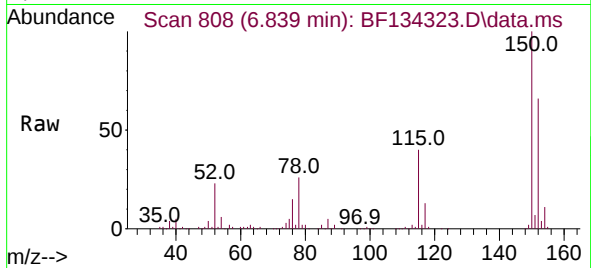




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.839 min Scan# 810
 Delta R.T. -0.006 min
 Lab File: BF134323.D
 Acq: 17 Jul 2023 19:15

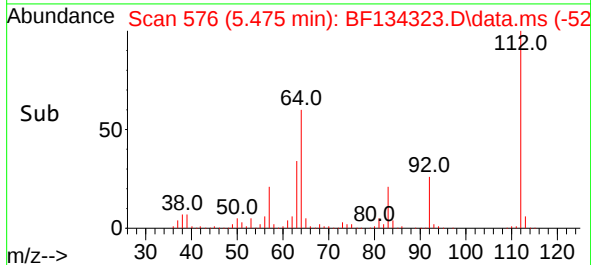
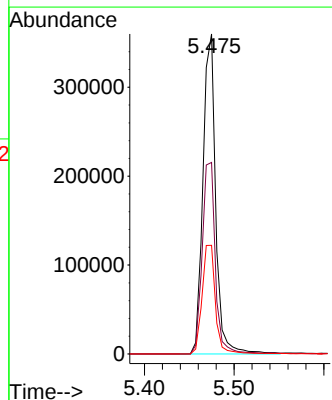
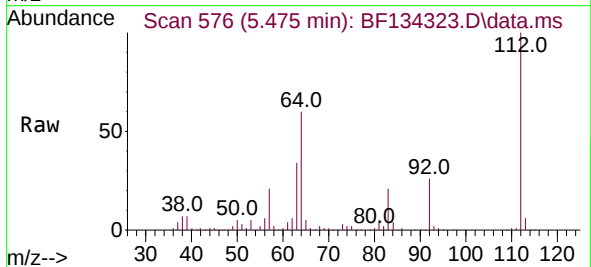
Instrument :
 BNA_F
 ClientSampleId :
 RB-51-(0-2)

Tgt Ion:152 Resp: 72948
 Ion Ratio Lower Upper
 152 100
 150 151.4 124.5 186.7
 115 60.5 50.2 75.2



#5
 2-Fluorophenol
 Concen: 81.456 ng
 RT: 5.475 min Scan# 576
 Delta R.T. 0.006 min
 Lab File: BF134323.D
 Acq: 17 Jul 2023 19:15

Tgt Ion:112 Resp: 355222
 Ion Ratio Lower Upper
 112 100
 64 59.8 52.1 78.1
 63 33.9 28.6 42.8





#7

Phenol-d6

Concen: 80.587 ng

RT: 6.475 min Scan# 74

Delta R.T. -0.012 min

Lab File: BF134323.D

Acq: 17 Jul 2023 19:15

Instrument :

BNA_F

ClientSampleId :

RB-51-(0-2)

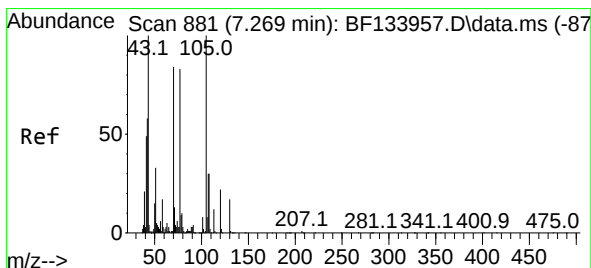
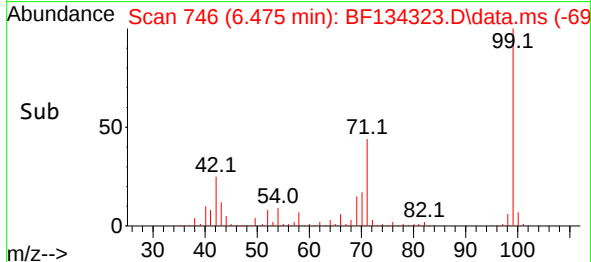
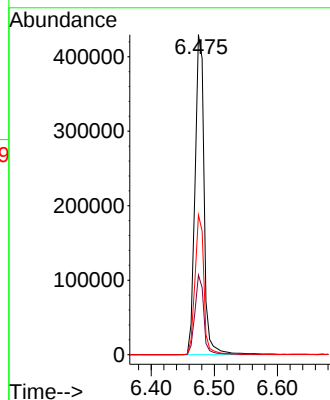
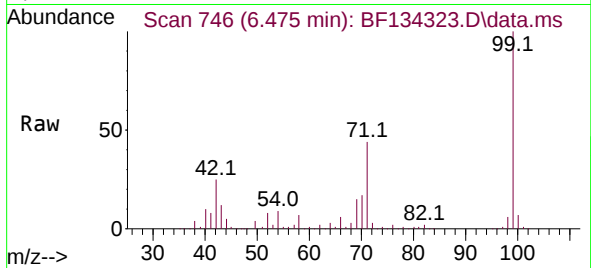
Tgt Ion: 99 Resp: 432193

Ion Ratio Lower Upper

99 100

42 24.9 19.8 29.6

71 43.7 31.9 47.9



#19

n-Nitroso-di-n-propylamine

Concen: 12.258 ng

RT: 7.398 min Scan# 903

Delta R.T. 0.141 min

Lab File: BF134323.D

Acq: 17 Jul 2023 19:15

Tgt Ion: 70 Resp: 41689

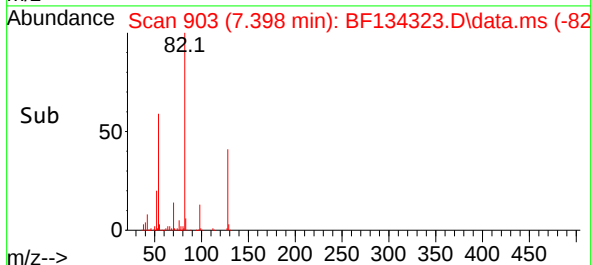
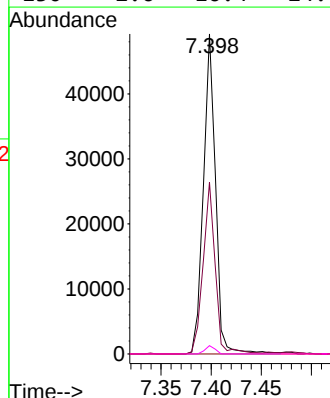
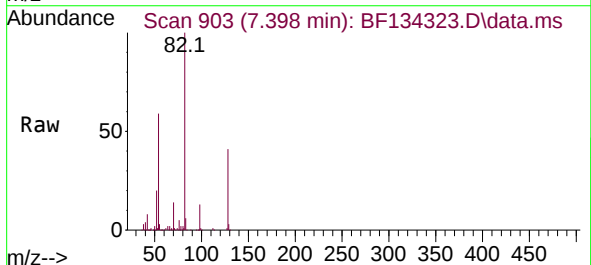
Ion Ratio Lower Upper

70 100

42 53.7 54.7 82.1#

101 0.0 7.7 11.5#

130 2.6 16.4 24.6#



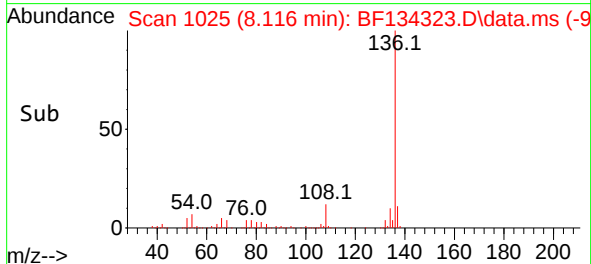
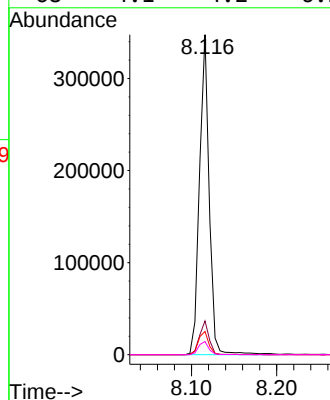
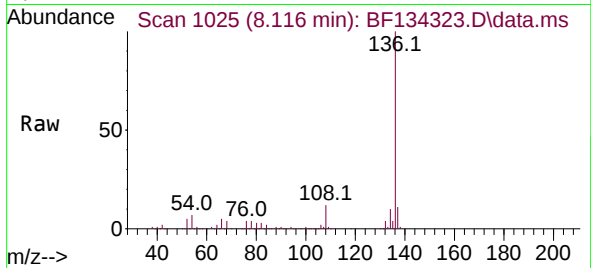


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.116 min Scan# 10
Delta R.T. -0.006 min
Lab File: BF134323.D
Acq: 17 Jul 2023 19:15

Instrument :
BNA_F
ClientSampleId :
RB-51-(0-2)

Tgt Ion:136 Resp: 276182

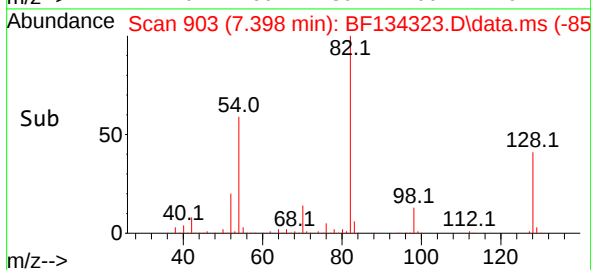
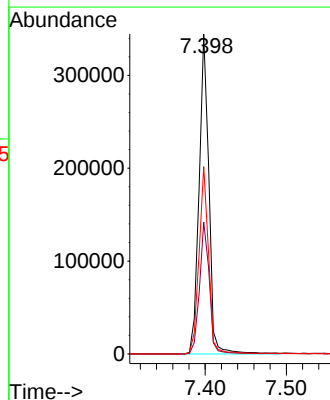
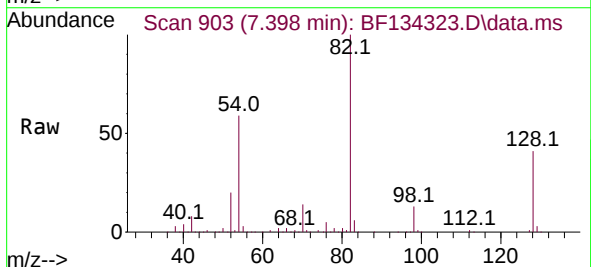
Ion	Ratio	Lower	Upper
136	100		
137	10.5	8.6	12.8
54	7.2	6.5	9.7
68	4.1	4.2	6.2



#23
Nitrobenzene-d5
Concen: 56.820 ng
RT: 7.398 min Scan# 903
Delta R.T. -0.012 min
Lab File: BF134323.D
Acq: 17 Jul 2023 19:15

Tgt Ion: 82 Resp: 291113

Ion	Ratio	Lower	Upper
82	100		
128	41.2	32.5	48.7
54	58.5	48.2	72.2

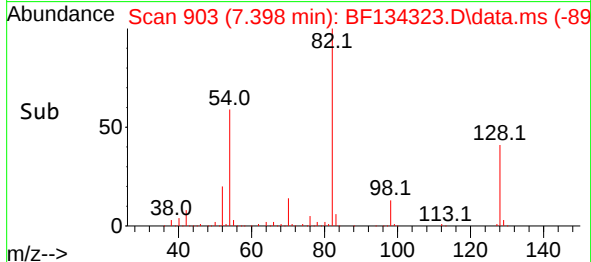
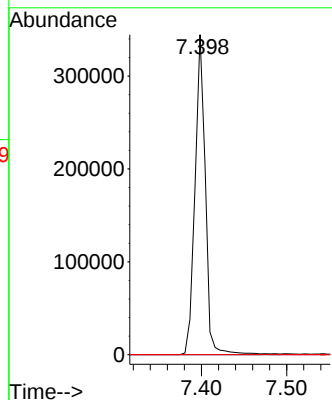
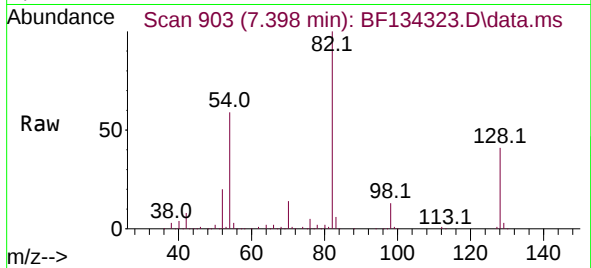




#25
Isophorone
Concen: 31.264 ng
RT: 7.398 min Scan# 90
Delta R.T. -0.265 min
Lab File: BF134323.D
Acq: 17 Jul 2023 19:15

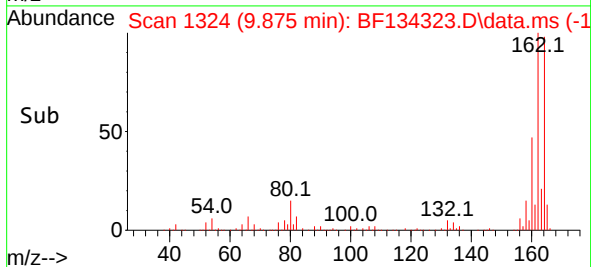
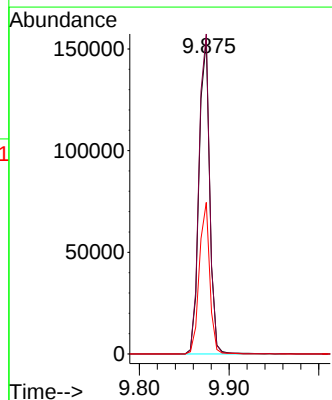
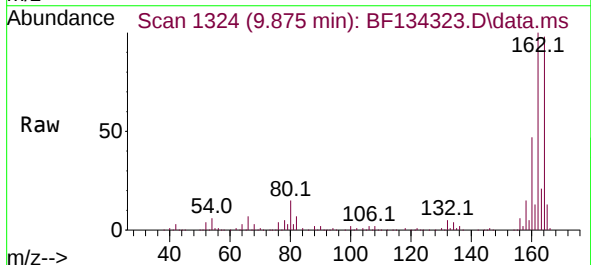
Instrument :
BNA_F
ClientSampleId :
RB-51-(0-2)

Tgt Ion: 82 Resp: 291111
Ion Ratio Lower Upper
82 100
95 0.0 6.1 9.1#
138 0.0 15.2 22.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.875 min Scan# 1324
Delta R.T. -0.006 min
Lab File: BF134323.D
Acq: 17 Jul 2023 19:15

Tgt Ion:164 Resp: 127608
Ion Ratio Lower Upper
164 100
162 102.0 80.0 120.0
160 48.3 35.9 53.9





#42

2,4,6-Tribromophenol

Concen: 79.136 ng

RT: 10.669 min Scan# 1459

Delta R.T. -0.012 min

Lab File: BF134323.D

Acq: 17 Jul 2023 19:15

Instrument :

BNA_F

ClientSampleId :

RB-51-(0-2)

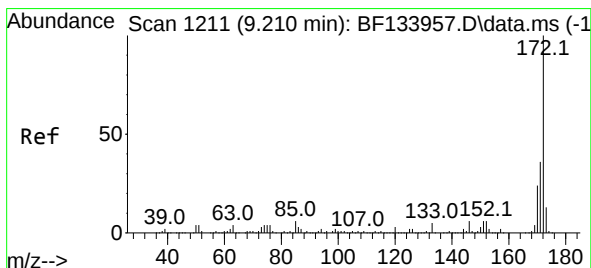
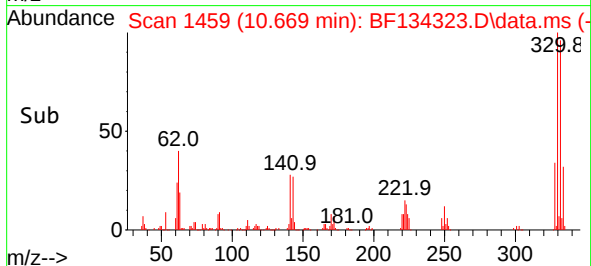
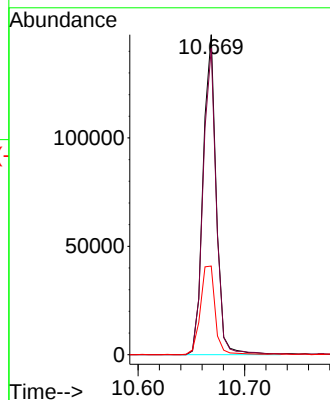
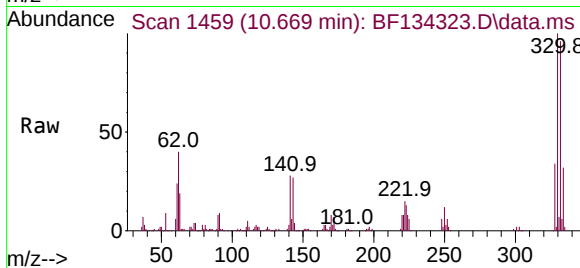
Tgt Ion:330 Resp: 126614

Ion Ratio Lower Upper

330 100

332 96.7 77.0 115.6

141 31.4 26.3 39.5



#45

2-Fluorobiphenyl

Concen: 62.346 ng

RT: 9.192 min Scan# 1208

Delta R.T. -0.012 min

Lab File: BF134323.D

Acq: 17 Jul 2023 19:15

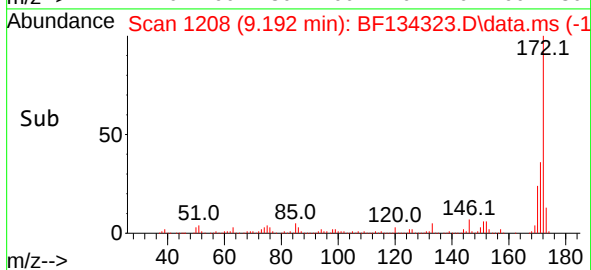
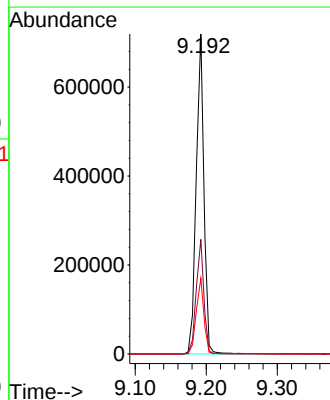
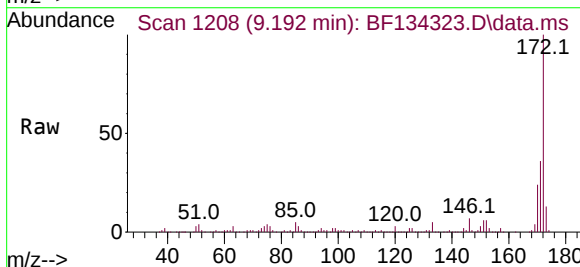
Tgt Ion:172 Resp: 547211

Ion Ratio Lower Upper

172 100

171 35.8 28.6 43.0

170 23.6 19.4 29.0

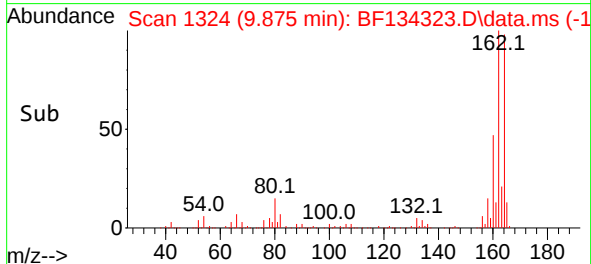
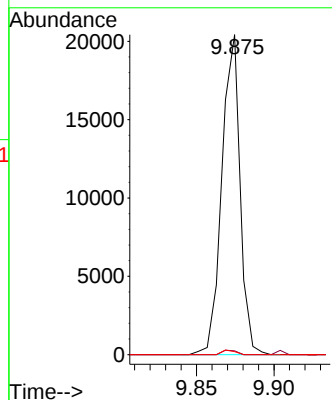
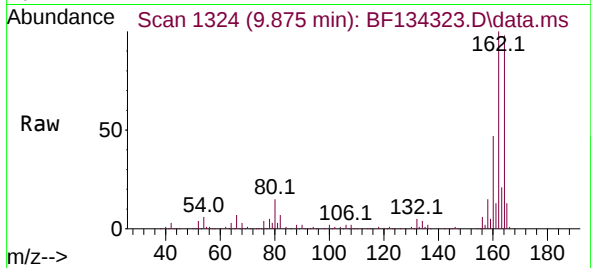




#51
2,6-Dinitrotoluene
Concen: 8.364 ng
RT: 9.875 min Scan# 11
Delta R.T. 0.200 min
Lab File: BF134323.D
Acq: 17 Jul 2023 19:15

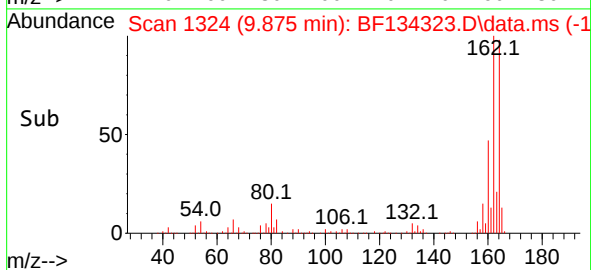
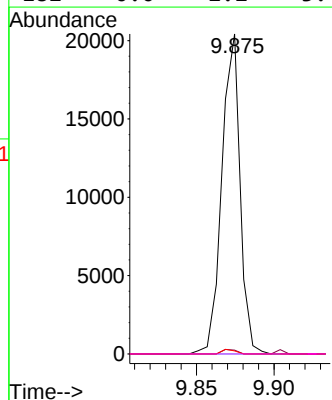
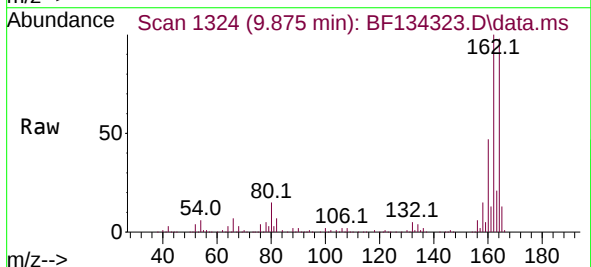
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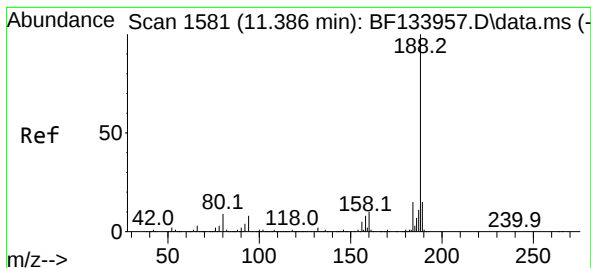
Tgt Ion:165 Resp: 16687
Ion Ratio Lower Upper
165 100
63 1.2 48.5 72.7#
89 1.0 45.5 68.3#



#57
2,4-Dinitrotoluene
Concen: 6.333 ng
RT: 9.875 min Scan# 1324
Delta R.T. -0.206 min
Lab File: BF134323.D
Acq: 17 Jul 2023 19:15

Tgt Ion:165 Resp: 16687
Ion Ratio Lower Upper
165 100
63 1.2 42.2 63.2#
89 1.0 57.4 86.2#
182 0.0 2.2 3.4#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.369 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF134323.D

Acq: 17 Jul 2023 19:15

Instrument :

BNA_F

ClientSampleId :

RB-51-(0-2)

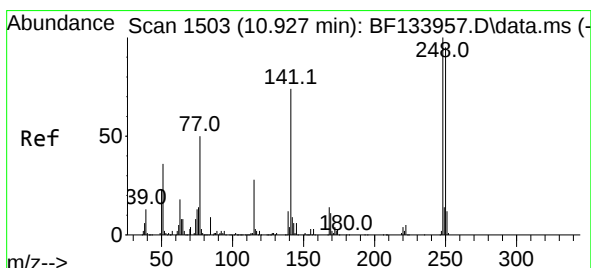
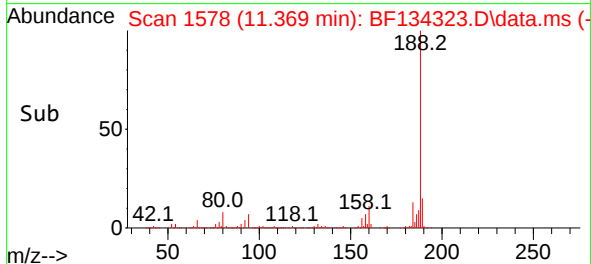
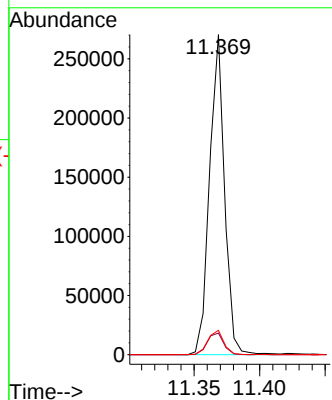
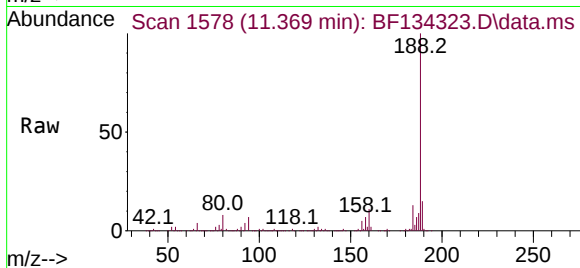
Tgt Ion:188 Resp: 215913

Ion Ratio Lower Upper

188 100

94 6.8 6.4 9.6

80 7.6 7.3 10.9



#67

4-Bromophenyl-phenylether

Concen: 3.489 ng

RT: 10.669 min Scan# 1459

Delta R.T. -0.247 min

Lab File: BF134323.D

Acq: 17 Jul 2023 19:15

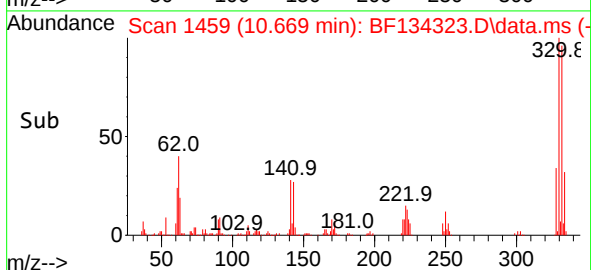
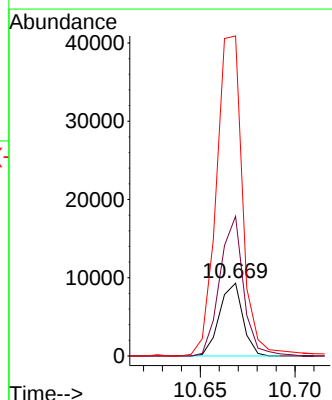
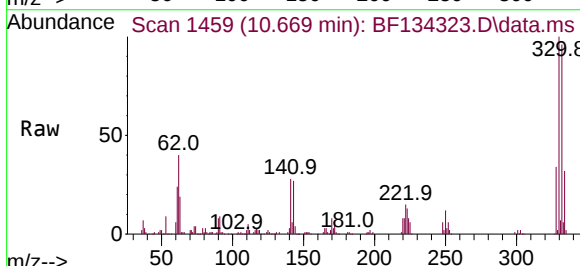
Tgt Ion:248 Resp: 8006

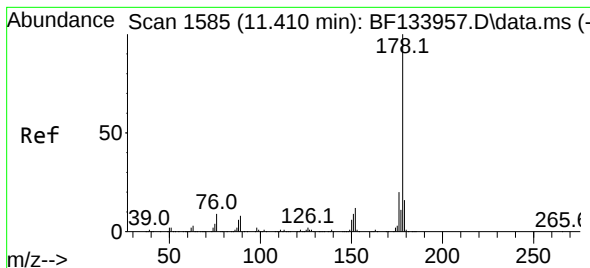
Ion Ratio Lower Upper

248 100

250 191.9 76.2 114.4#

141 439.6 59.0 88.4#





#71

Phenanthrene

Concen: 6.988 ng

RT: 11.392 min Scan# 1582

Delta R.T. -0.012 min

Lab File: BF134323.D

Acq: 17 Jul 2023 19:15

Instrument :

BNA_F

ClientSampleId :

RB-51-(0-2)

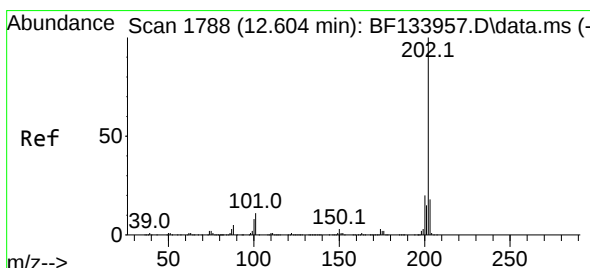
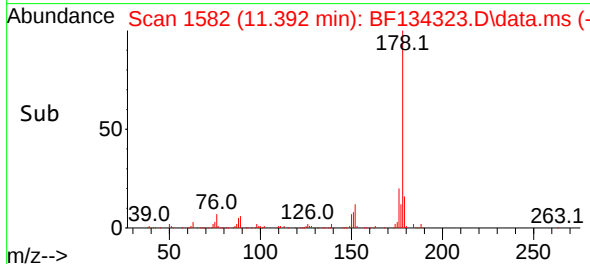
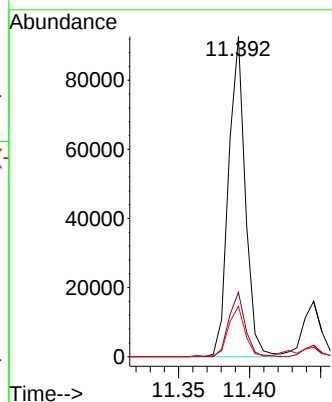
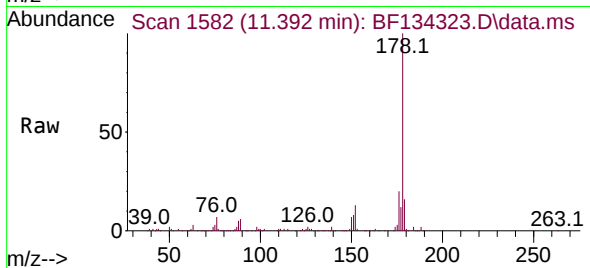
Tgt Ion:178 Resp: 75959

Ion Ratio Lower Upper

178 100

176 20.1 16.0 24.0

179 15.8 12.4 18.6



#75

Fluoranthene

Concen: 13.754 ng

RT: 12.586 min Scan# 1785

Delta R.T. -0.012 min

Lab File: BF134323.D

Acq: 17 Jul 2023 19:15

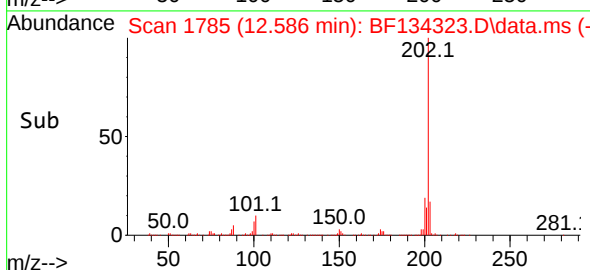
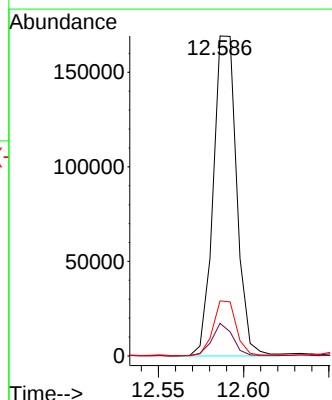
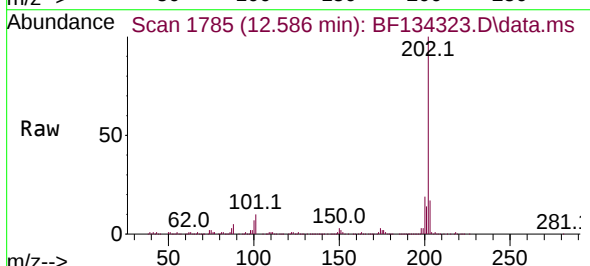
Tgt Ion:202 Resp: 161621

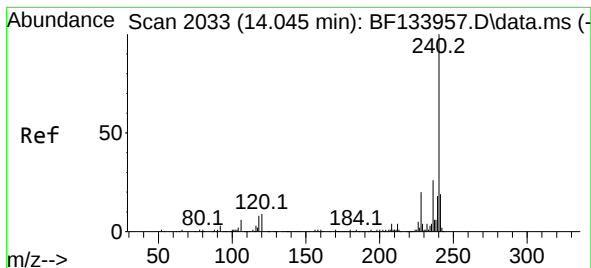
Ion Ratio Lower Upper

202 100

101 10.2 0.0 31.0

203 17.2 0.0 37.6





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.027 min Scan# 2033

Delta R.T. -0.012 min

Lab File: BF134323.D

Acq: 17 Jul 2023 19:15

Instrument :

BNA_F

ClientSampleId :

RB-51-(0-2)

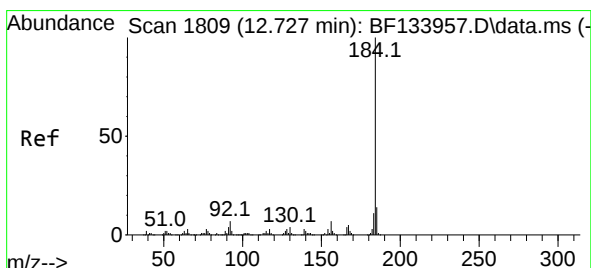
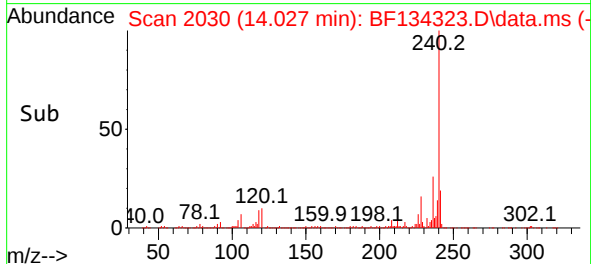
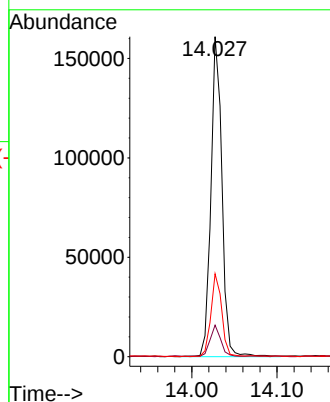
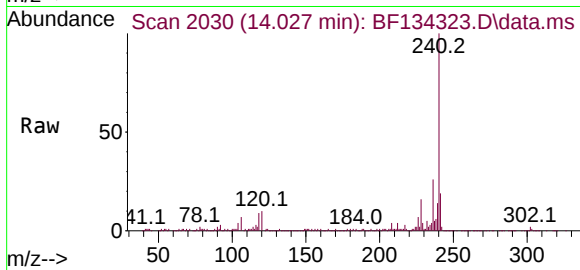
Tgt Ion:240 Resp: 144722

Ion Ratio Lower Upper

240 100

120 9.9 7.4 11.0

236 25.9 21.0 31.6



#77

Benzidine

Concen: 2.000 ng

RT: 12.963 min Scan# 1849

Delta R.T. 0.235 min

Lab File: BF134323.D

Acq: 17 Jul 2023 19:15

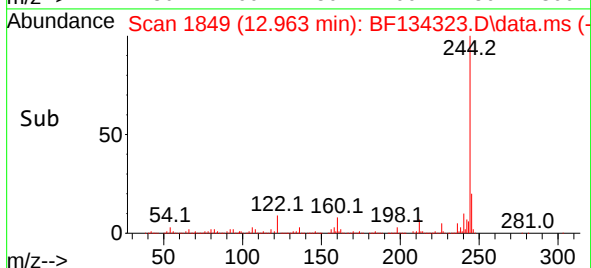
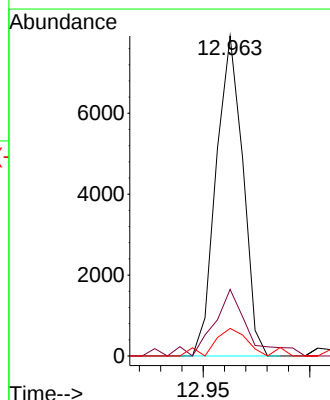
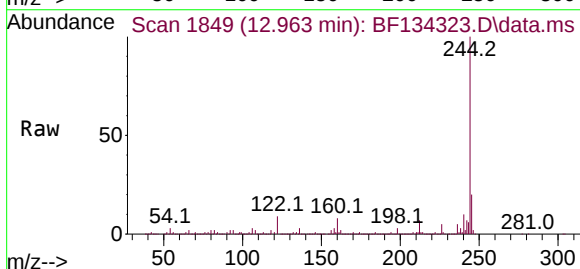
Tgt Ion:184 Resp: 6888

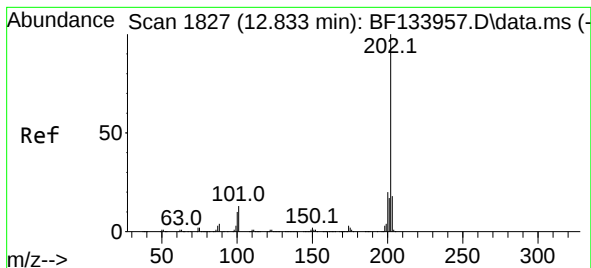
Ion Ratio Lower Upper

184 100

185 20.8 11.6 17.4#

183 8.6 8.8 13.2#





#78

Pyrene

Concen: 11.246 ng

RT: 12.821 min Scan# 1825

Delta R.T. -0.012 min

Lab File: BF134323.D

Acq: 17 Jul 2023 19:15

Instrument :

BNA_F

ClientSampleId :

RB-51-(0-2)

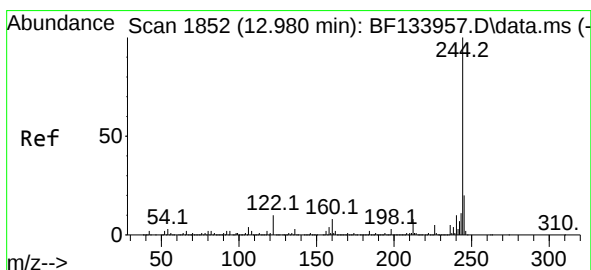
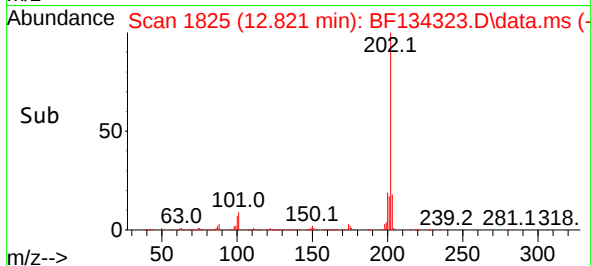
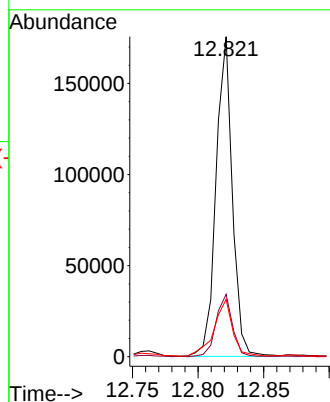
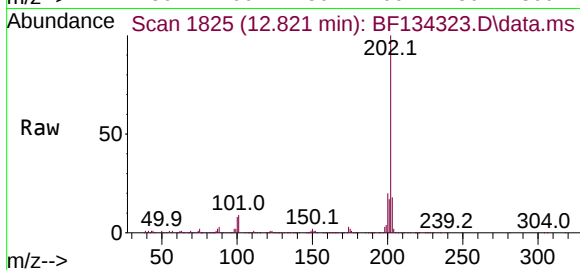
Tgt Ion:202 Resp: 151459

Ion Ratio Lower Upper

202 100

200 19.5 16.1 24.1

203 17.9 14.3 21.5



#79

Terphenyl-d14

Concen: 54.193 ng

RT: 12.963 min Scan# 1849

Delta R.T. -0.012 min

Lab File: BF134323.D

Acq: 17 Jul 2023 19:15

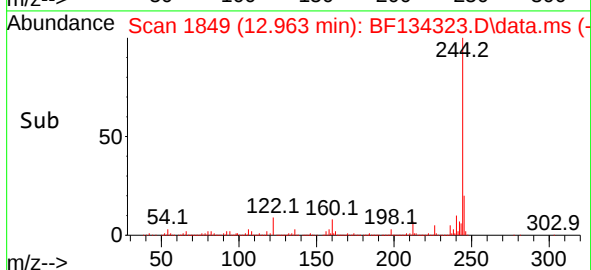
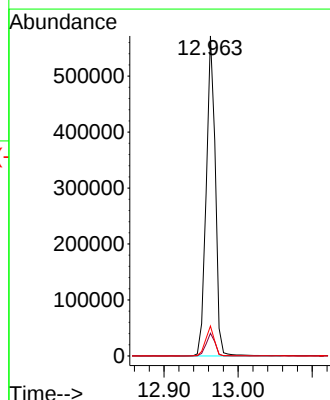
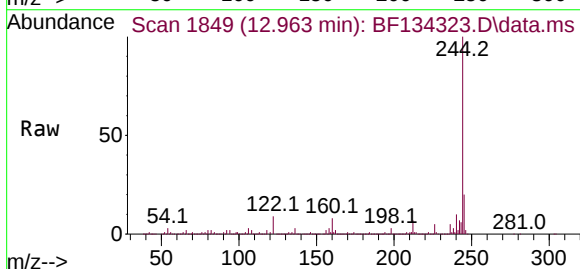
Tgt Ion:244 Resp: 487316

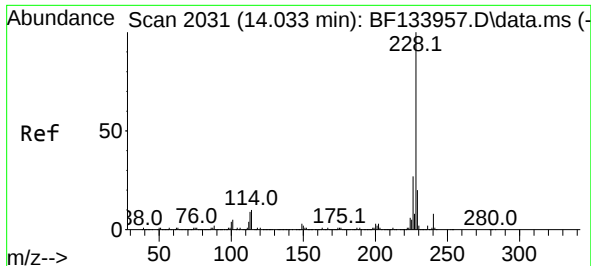
Ion Ratio Lower Upper

244 100

212 7.1 6.0 9.0

122 9.4 8.3 12.5

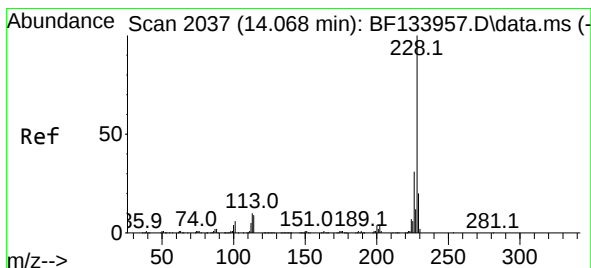
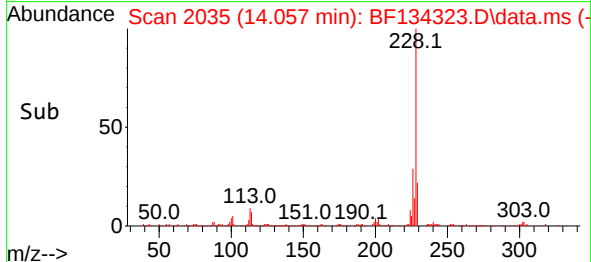
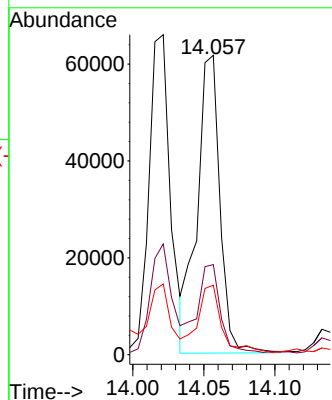
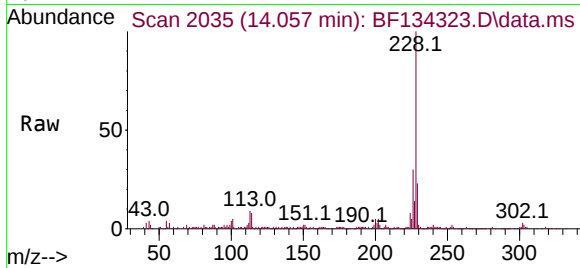




#81
Benzo(a)anthracene
Concen: 6.890 ng
RT: 14.057 min Scan# 2035
Delta R.T. 0.029 min
Lab File: BF134323.D
Acq: 17 Jul 2023 19:15

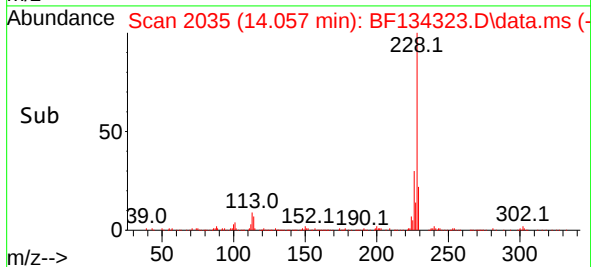
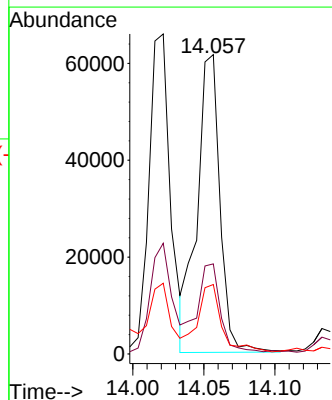
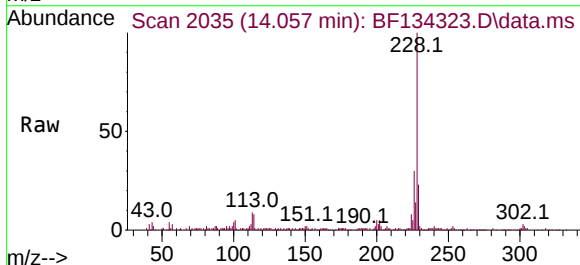
Instrument :
BNA_F
ClientSampleId :
RB-51-(0-2)

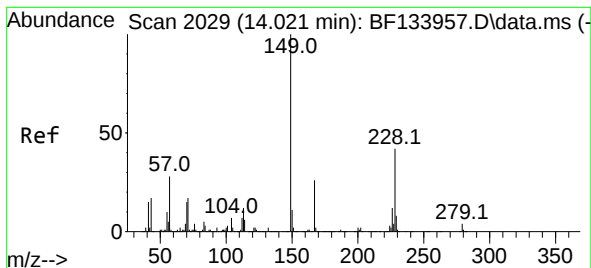
Tgt Ion:228 Resp: 69154
Ion Ratio Lower Upper
228 100
226 30.1 22.0 33.0
229 23.2 16.3 24.5



#83
Chrysene
Concen: 7.114 ng
RT: 14.057 min Scan# 2035
Delta R.T. -0.012 min
Lab File: BF134323.D
Acq: 17 Jul 2023 19:15

Tgt Ion:228 Resp: 69154
Ion Ratio Lower Upper
228 100
226 30.1 24.4 36.6
229 23.2 16.1 24.1

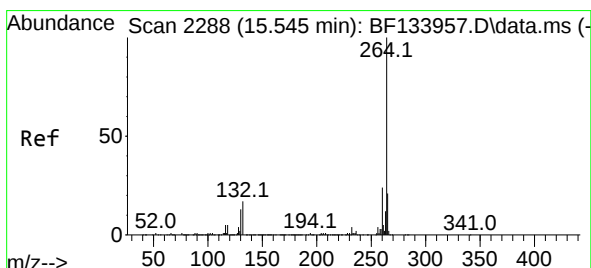
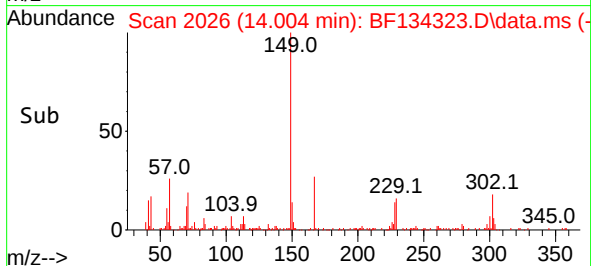
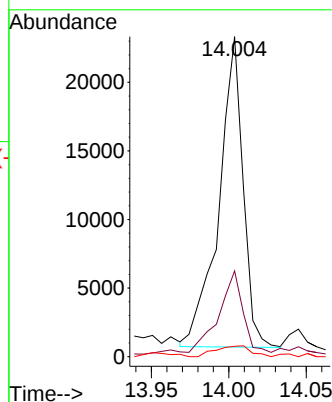
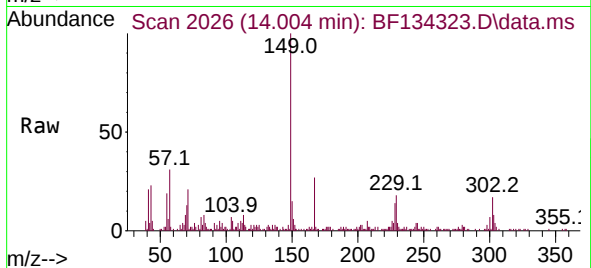




#84
Bis(2-ethylhexyl)phthalate
Concen: 4.239 ng
RT: 14.004 min Scan# 2029
Delta R.T. -0.012 min
Lab File: BF134323.D
Acq: 17 Jul 2023 19:15

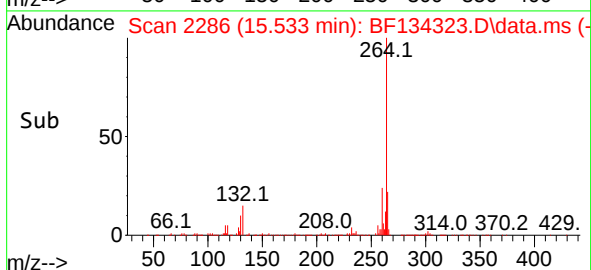
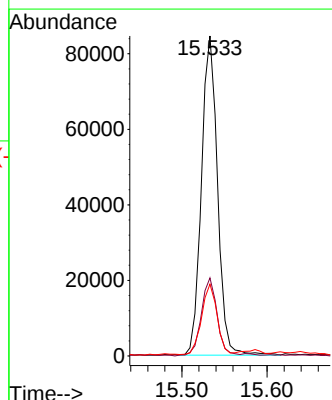
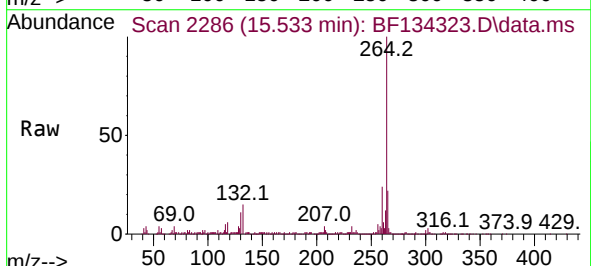
Instrument :
BNA_F
ClientSampleId :
RB-51-(0-2)

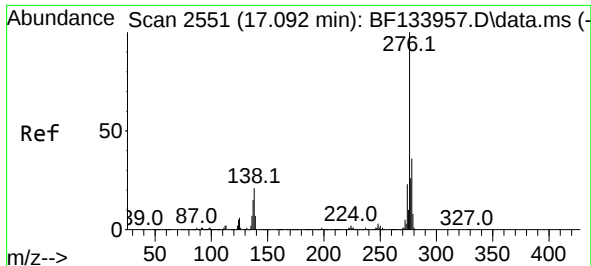
Tgt Ion:149 Resp: 24605
Ion Ratio Lower Upper
149 100
167 26.8 21.0 31.4
279 3.3 3.3 4.9#



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.533 min Scan# 2286
Delta R.T. -0.012 min
Lab File: BF134323.D
Acq: 17 Jul 2023 19:15

Tgt Ion:264 Resp: 111063
Ion Ratio Lower Upper
264 100
260 24.4 19.5 29.3
265 22.4 16.6 25.0

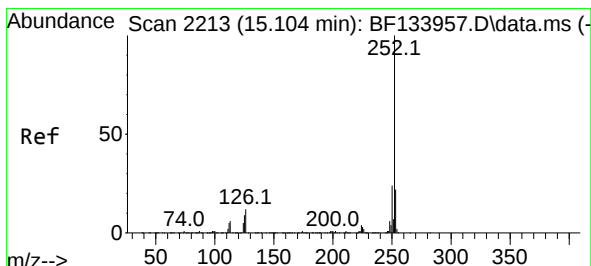
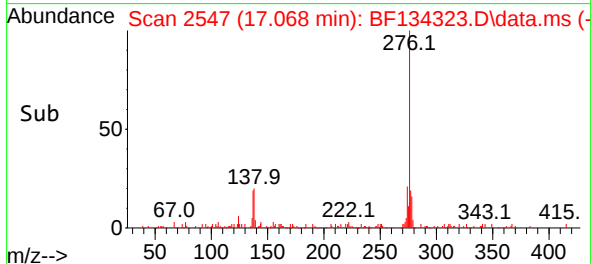
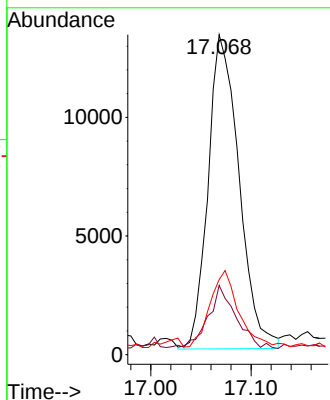
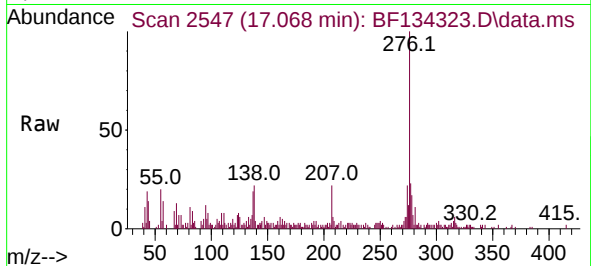




#87
Indeno(1,2,3-cd)pyrene
Concen: 3.684 ng
RT: 17.068 min Scan# 2110
Delta R.T. -0.029 min
Lab File: BF134323.D
Acq: 17 Jul 2023 19:15

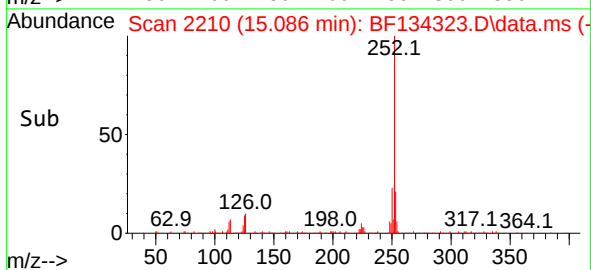
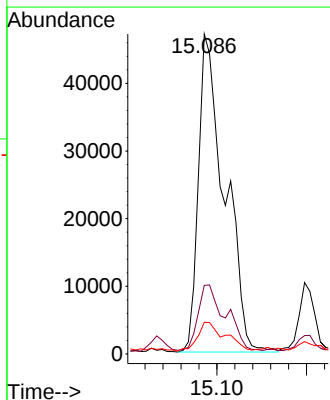
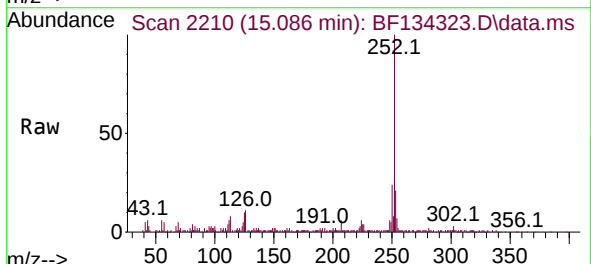
Instrument :
BNA_F
ClientSampleId :
RB-51-(0-2)

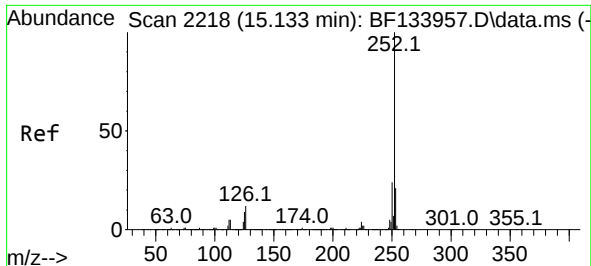
Tgt Ion:276 Resp: 28390
Ion Ratio Lower Upper
276 100
138 19.6 18.7 28.1
277 22.6 19.9 29.9



#88
Benzo(b)fluoranthene
Concen: 14.592 ng
RT: 15.086 min Scan# 2210
Delta R.T. -0.018 min
Lab File: BF134323.D
Acq: 17 Jul 2023 19:15

Tgt Ion:252 Resp: 95296
Ion Ratio Lower Upper
252 100
253 21.5 17.4 26.0
125 9.9 7.1 10.7

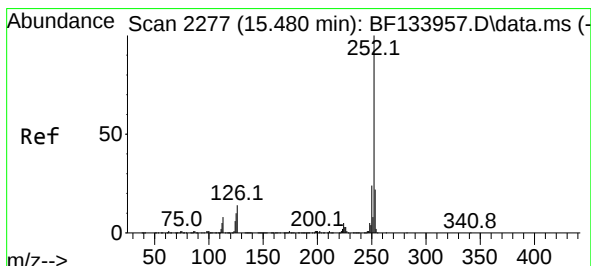
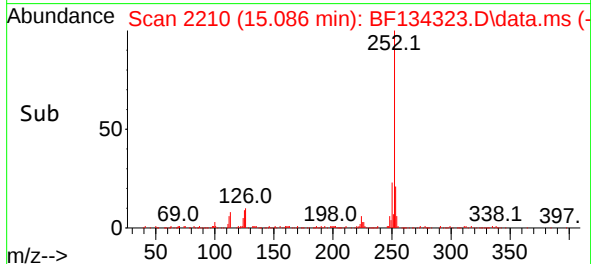
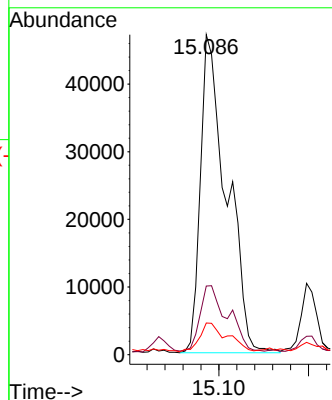
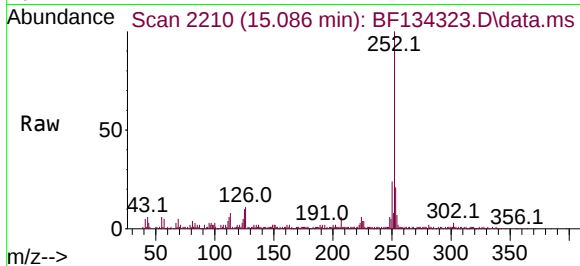




#89
Benzo(k)fluoranthene
Concen: 14.332 ng
RT: 15.086 min Scan# 21
Delta R.T. -0.047 min
Lab File: BF134323.D
Acq: 17 Jul 2023 19:15

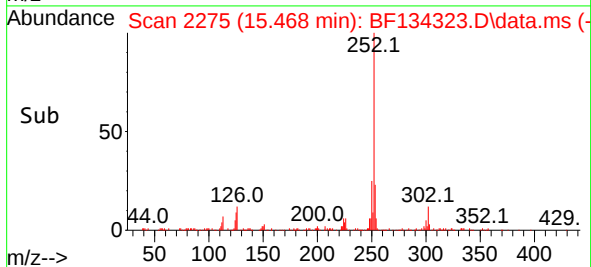
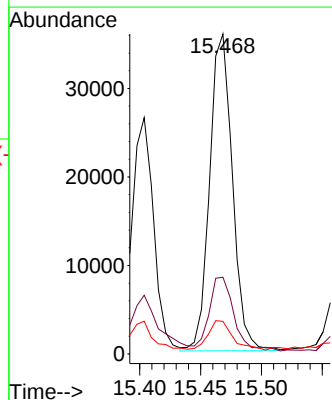
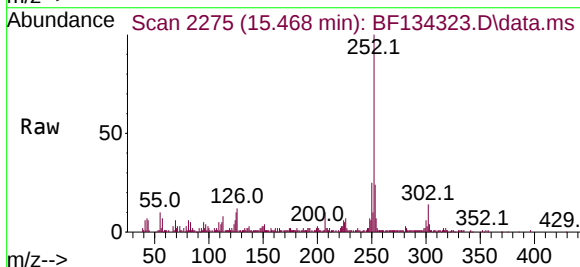
Instrument :
BNA_F
ClientSampleId :
RB-51-(0-2)

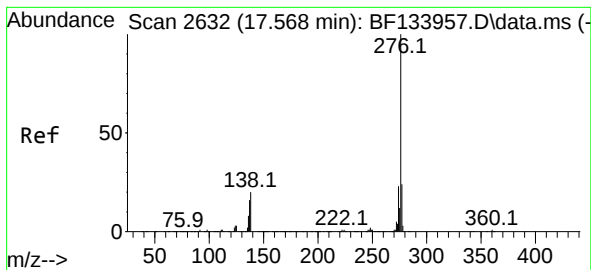
Tgt Ion:252 Resp: 95296
Ion Ratio Lower Upper
252 100
253 21.5 16.9 25.3
125 9.9 7.4 11.2



#90
Benzo(a)pyrene
Concen: 7.393 ng
RT: 15.468 min Scan# 2275
Delta R.T. -0.012 min
Lab File: BF134323.D
Acq: 17 Jul 2023 19:15

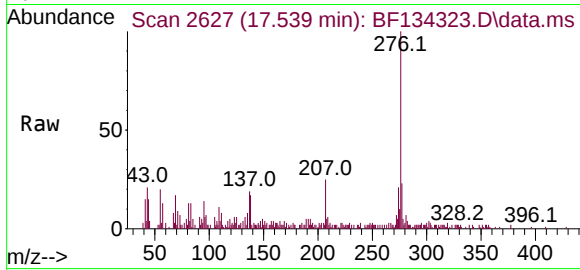
Tgt Ion:252 Resp: 46690
Ion Ratio Lower Upper
252 100
253 24.0 17.4 26.0
125 10.2 8.4 12.6





#92
 Benzo(g,h,i)perylene
 Concen: 4.337 ng
 RT: 17.539 min Scan# 20
 Delta R.T. -0.029 min
 Lab File: BF134323.D
 Acq: 17 Jul 2023 19:15

Instrument :
 BNA_F
 ClientSampleId :
 RB-51-(0-2)



Tgt Ion:276 Resp: 28156
 Ion Ratio Lower Upper
 276 100
 277 22.6 19.0 28.6
 138 17.1 16.2 24.2

