

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071923\
 Data File : BF134362.D
 Acq On : 19 Jul 2023 16:56
 Operator : CG\JU
 Sample : 03597-13
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jul 19 17:43:01 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)

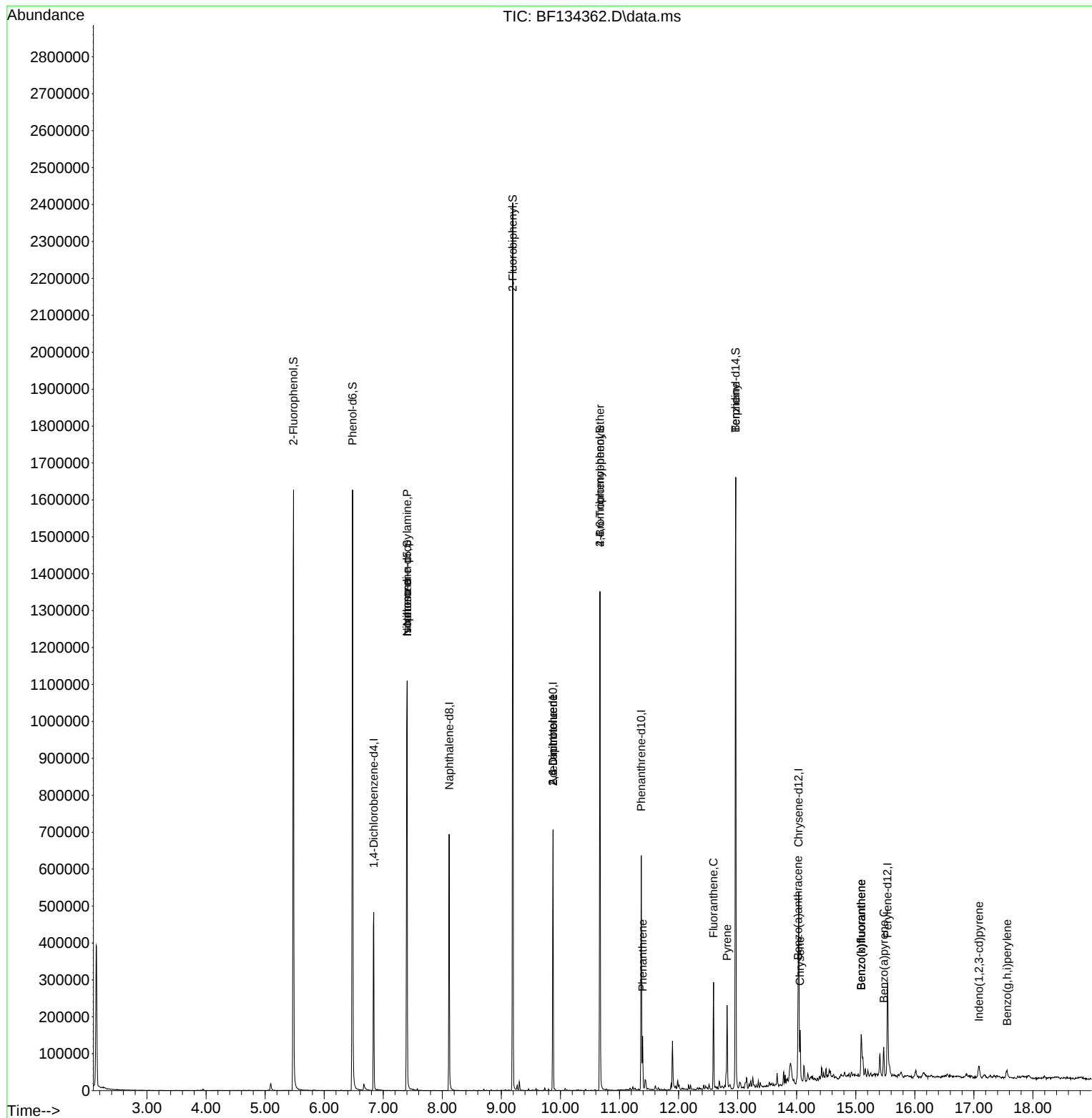
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.839	152	71743	20.000	ng	0.00
21) Naphthalene-d8	8.116	136	271756	20.000	ng	# 0.00
39) Acenaphthene-d10	9.875	164	127409	20.000	ng	0.00
64) Phenanthrene-d10	11.369	188	220067	20.000	ng	0.00
76) Chrysene-d12	14.033	240	143698	20.000	ng	0.00
86) Perylene-d12	15.539	264	121163	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	420117	97.955	ng	0.01
7) Phenol-d6	6.481	99	504267	95.605	ng	0.00
23) Nitrobenzene-d5	7.404	82	344179	68.271	ng	0.00
42) 2,4,6-Tribromophenol	10.669	330	157711	98.726	ng	-0.01
45) 2-Fluorobiphenyl	9.192	172	652162	74.420	ng	-0.01
79) Terphenyl-d14	12.969	244	577506	64.681	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.487	77	902	Below Cal	#	1
19) n-Nitroso-di-n-propyla...	7.404	70	50214	15.012	ng	# 73
25) Isophorone	7.404	82	344174	37.564	ng	# 64
51) 2,6-Dinitrotoluene	9.875	165	16291	8.178	ng	# 24
57) 2,4-Dinitrotoluene	9.875	165	16291	6.193	ng	# 23
67) 4-Bromophenyl-phenylether	10.669	248	9333	3.990	ng	# 1
71) Phenanthrene	11.392	178	44151	3.985	ng	99
75) Fluoranthene	12.592	202	110125	9.195	ng	97
77) Benzidine	12.969	184	8184	2.394	ng	97
78) Pyrene	12.821	202	89276	6.676	ng	98
81) Benzo(a)anthracene	14.021	228	59823	6.003	ng	98
83) Chrysene	14.057	228	53130	5.504	ng	98
87) Indeno(1,2,3-cd)pyrene	17.086	276	21863	2.600	ng	96
88) Benzo(b)fluoranthene	15.092	252	80301	11.271	ng	99
89) Benzo(k)fluoranthene	15.092	252	80301	11.070	ng	98
90) Benzo(a)pyrene	15.474	252	38069	5.526	ng	96
92) Benzo(g,h,i)perylene	17.562	276	19185	2.709	ng	97

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

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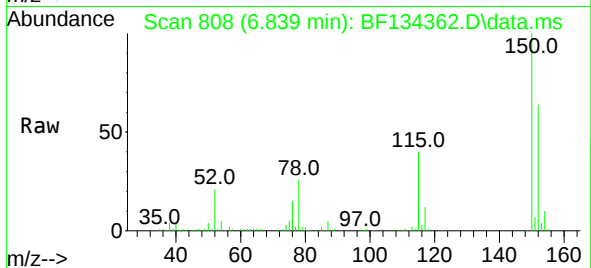
Quant Time: Jul 19 17:43:01 2023
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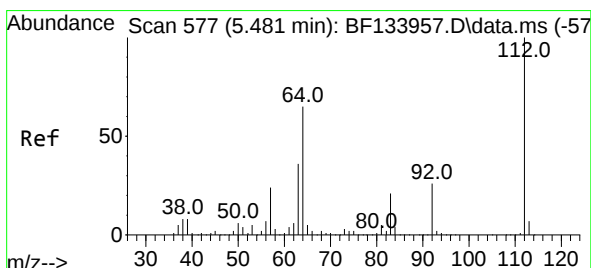
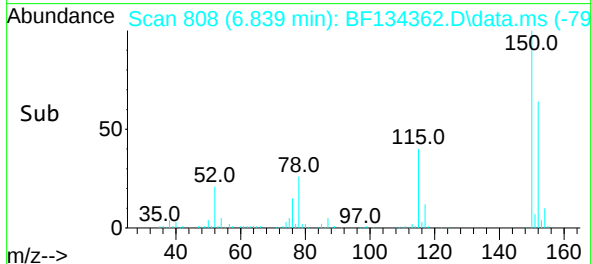
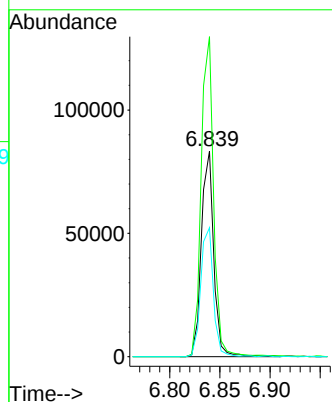


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.839 min Scan# 80
Delta R.T. -0.006 min
Lab File: BF134362.D
Acq: 19 Jul 2023 16:56

Instrument :
BNA_F
ClientSampleId :

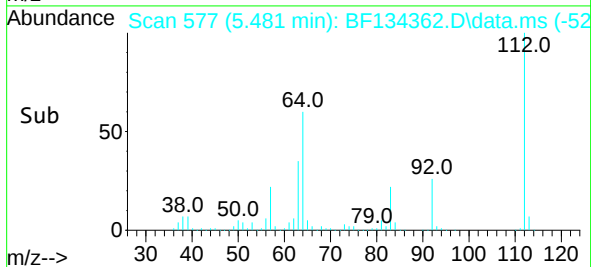
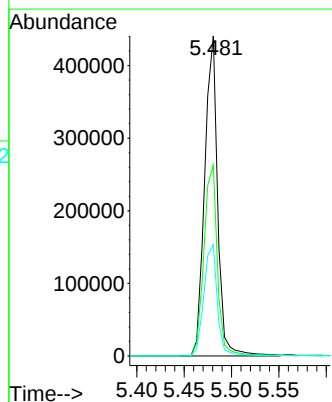
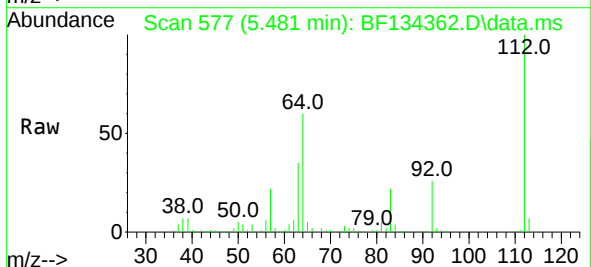


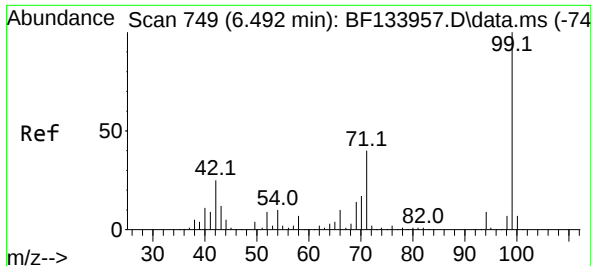
Tgt Ion:152 Resp: 71743
Ion Ratio Lower Upper
152 100
150 155.7 124.5 186.7
115 62.8 50.2 75.2



#5
2-Fluorophenol
Concen: 97.955 ng
RT: 5.481 min Scan# 577
Delta R.T. 0.012 min
Lab File: BF134362.D
Acq: 19 Jul 2023 16:56

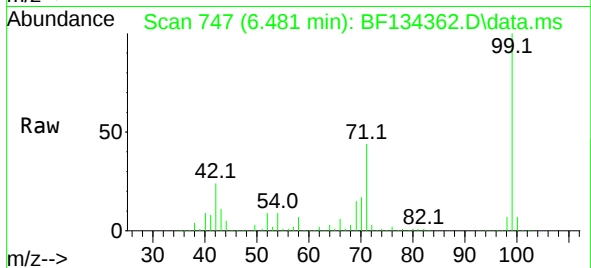
Tgt Ion:112 Resp: 420117
Ion Ratio Lower Upper
112 100
64 59.6 52.1 78.1
63 34.8 28.6 42.8



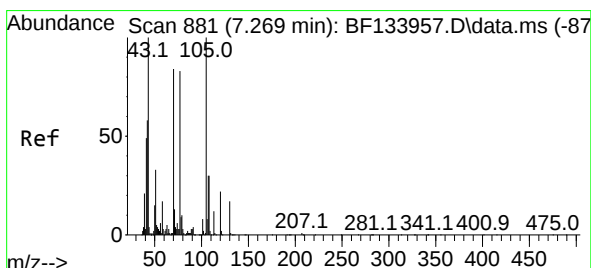
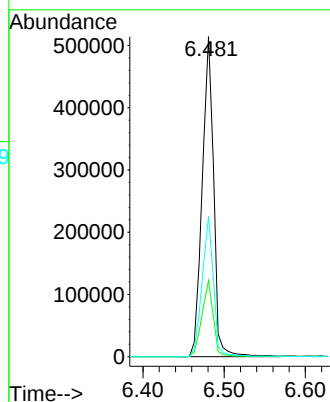
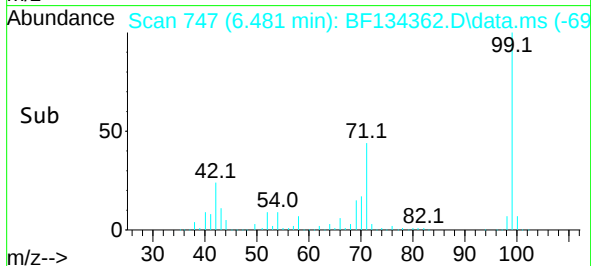


#7
Phenol-d6
Concen: 95.605 ng
RT: 6.481 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF134362.D
Acq: 19 Jul 2023 16:56

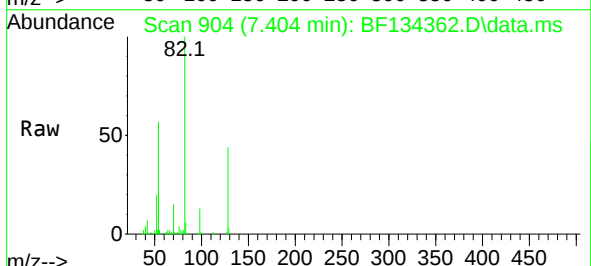
Instrument :
BNA_F
ClientSampleId :



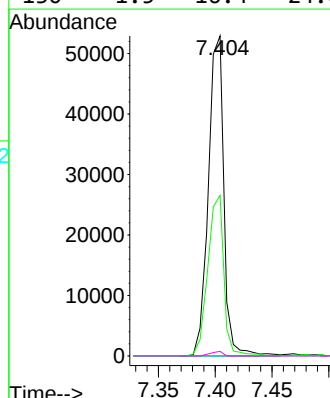
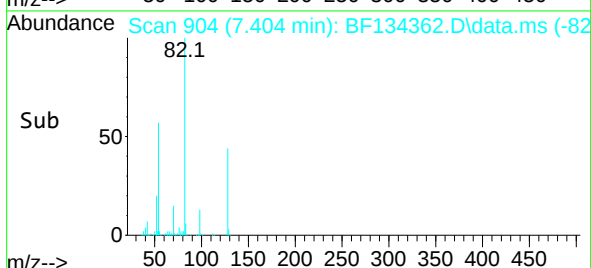
Tgt Ion: 99 Resp: 504267
Ion Ratio Lower Upper
99 100
42 23.8 19.8 29.6
71 43.9 31.9 47.9

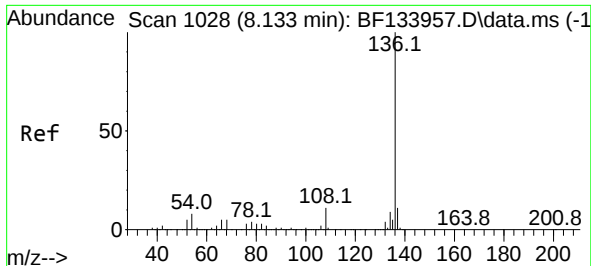


#19
n-Nitroso-di-n-propylamine
Concen: 15.012 ng
RT: 7.404 min Scan# 904
Delta R.T. 0.147 min
Lab File: BF134362.D
Acq: 19 Jul 2023 16:56



Tgt Ion: 70 Resp: 50214
Ion Ratio Lower Upper
70 100
42 50.2 54.7 82.1#
101 0.0 7.7 11.5#
130 1.5 16.4 24.6#

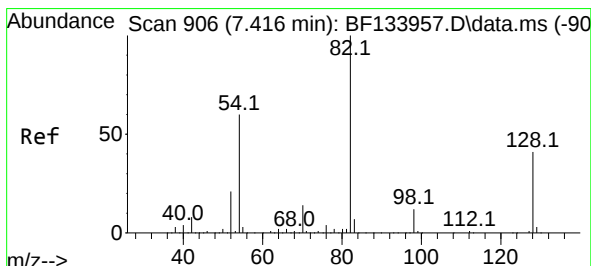
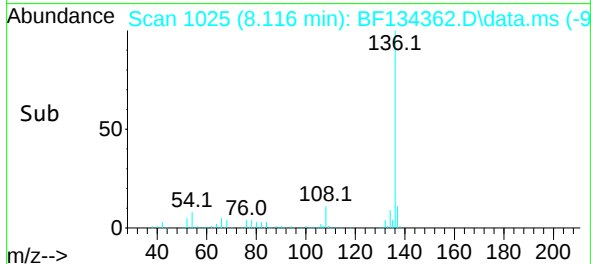
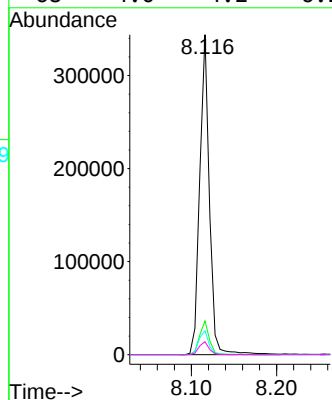
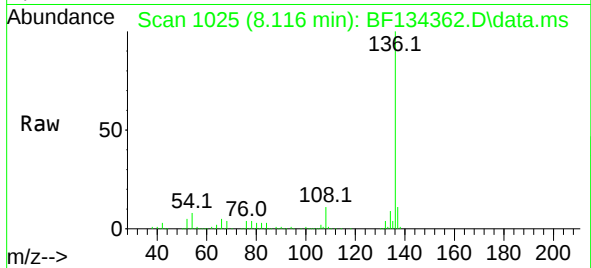




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.116 min Scan# 10
Delta R.T. -0.006 min
Lab File: BF134362.D
Acq: 19 Jul 2023 16:56

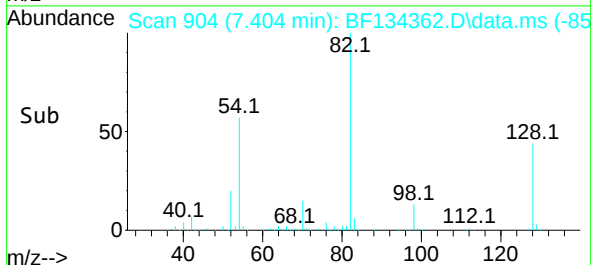
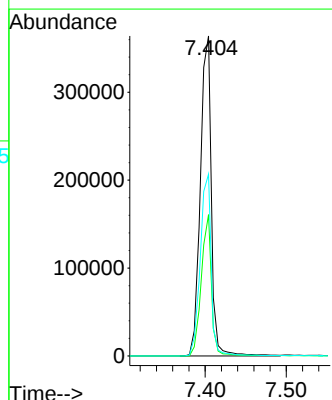
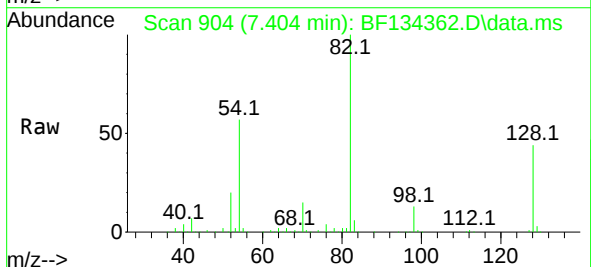
Instrument :
BNA_F
ClientSampleId :

Tgt Ion:136 Resp: 271756
Ion Ratio Lower Upper
136 100
137 10.5 8.6 12.8
54 7.5 6.5 9.7
68 4.0 4.2 6.2#



#23
Nitrobenzene-d5
Concen: 68.271 ng
RT: 7.404 min Scan# 904
Delta R.T. -0.006 min
Lab File: BF134362.D
Acq: 19 Jul 2023 16:56

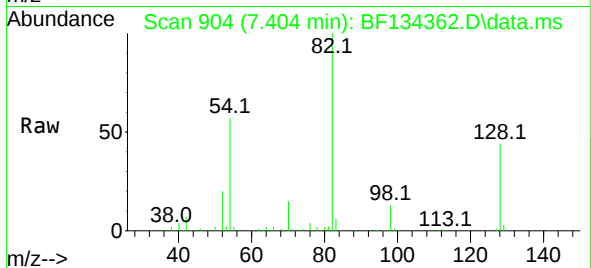
Tgt Ion: 82 Resp: 344179
Ion Ratio Lower Upper
82 100
128 44.1 32.5 48.7
54 56.8 48.2 72.2



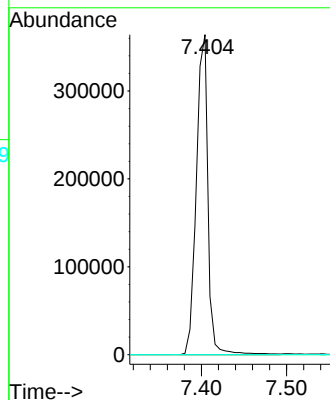
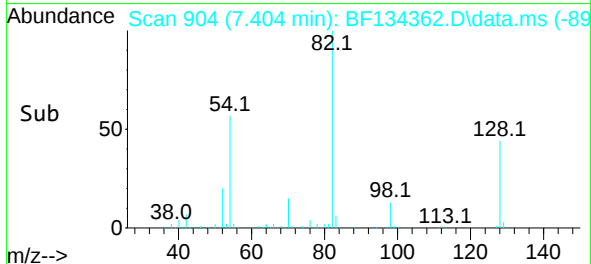


#25
Isophorone
Concen: 37.564 ng
RT: 7.404 min Scan# 90
Delta R.T. -0.259 min
Lab File: BF134362.D
Acq: 19 Jul 2023 16:56

Instrument :
BNA_F
ClientSampleId :

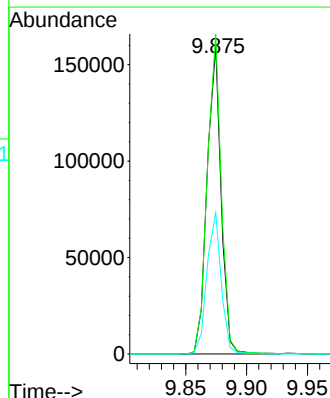
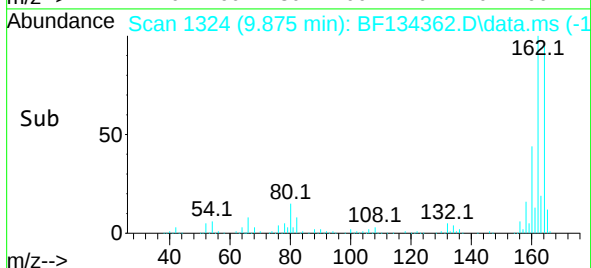
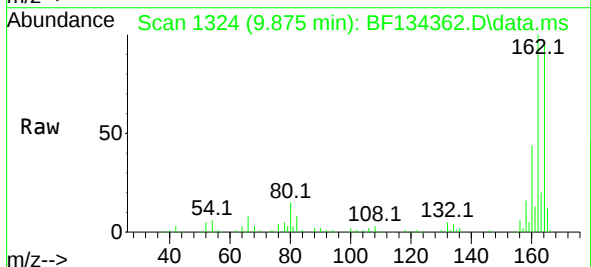


Tgt Ion: 82 Resp: 344174
Ion Ratio Lower Upper
82 100
95 0.0 6.1 9.1#
138 0.0 15.2 22.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.875 min Scan# 1324
Delta R.T. -0.006 min
Lab File: BF134362.D
Acq: 19 Jul 2023 16:56

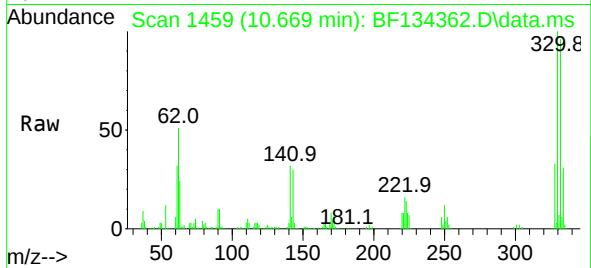
Tgt Ion:164 Resp: 127409
Ion Ratio Lower Upper
164 100
162 104.1 80.0 120.0
160 46.0 35.9 53.9



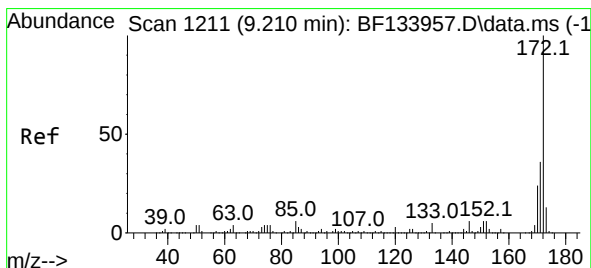
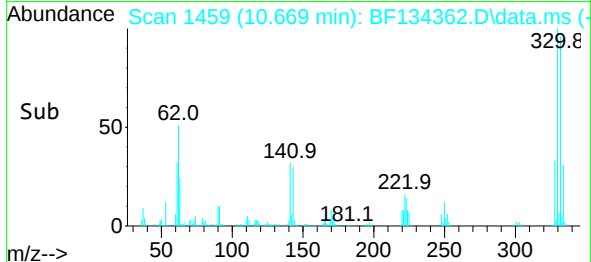
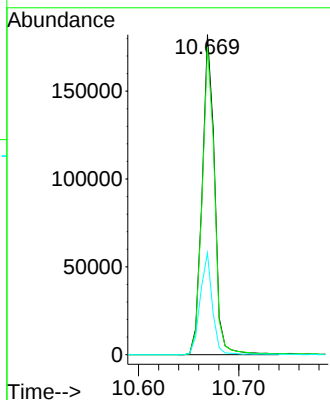


#42
 2,4,6-Tribromophenol
 Concen: 98.726 ng
 RT: 10.669 min Scan# 1462
 Delta R.T. -0.012 min
 Lab File: BF134362.D
 Acq: 19 Jul 2023 16:56

Instrument :
 BNA_F
 ClientSampleId :

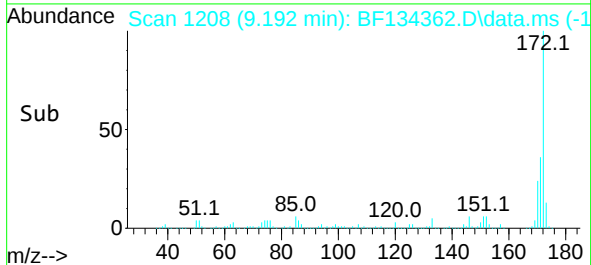
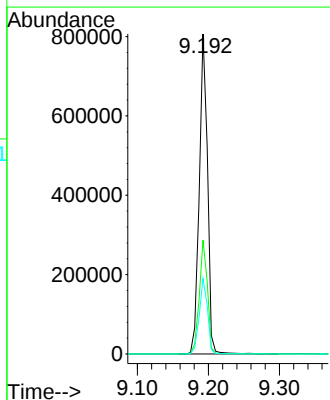
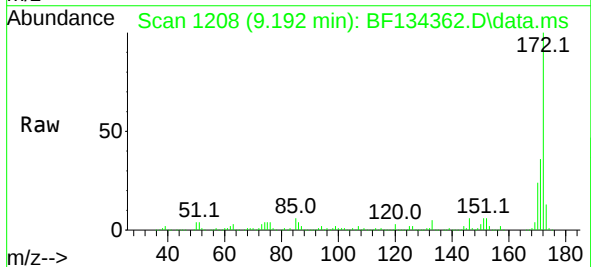


Tgt Ion:330 Resp: 157711
 Ion Ratio Lower Upper
 330 100
 332 96.0 77.0 115.6
 141 31.3 26.3 39.5



#45
 2-Fluorobiphenyl
 Concen: 74.420 ng
 RT: 9.192 min Scan# 1208
 Delta R.T. -0.012 min
 Lab File: BF134362.D
 Acq: 19 Jul 2023 16:56

Tgt Ion:172 Resp: 652162
 Ion Ratio Lower Upper
 172 100
 171 35.6 28.6 43.0
 170 23.6 19.4 29.0





#51

2,6-Dinitrotoluene

Concen: 8.178 ng

RT: 9.875 min Scan# 11

Delta R.T. 0.200 min

Lab File: BF134362.D

Acq: 19 Jul 2023 16:56

Instrument :

BNA_F

ClientSampleId :

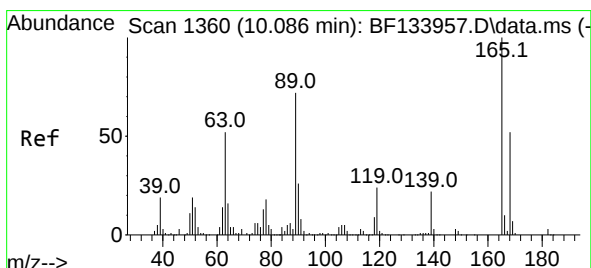
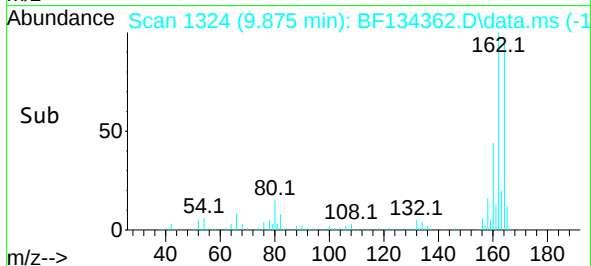
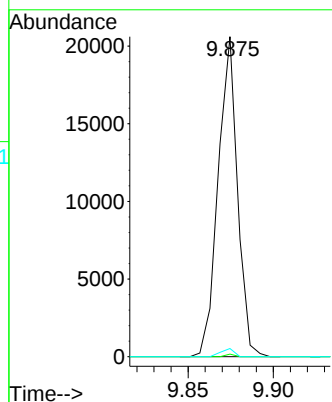
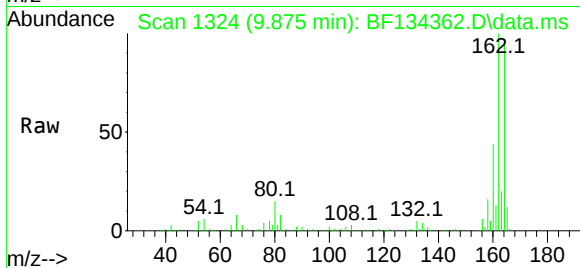
Tgt Ion:165 Resp: 16291

Ion Ratio Lower Upper

165 100

63 0.8 48.5 72.7#

89 2.6 45.5 68.3#



#57

2,4-Dinitrotoluene

Concen: 6.193 ng

RT: 9.875 min Scan# 1324

Delta R.T. -0.206 min

Lab File: BF134362.D

Acq: 19 Jul 2023 16:56

Tgt Ion:165 Resp: 16291

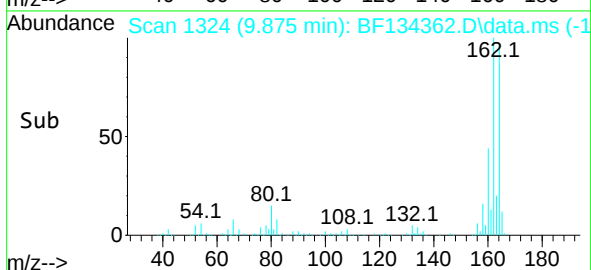
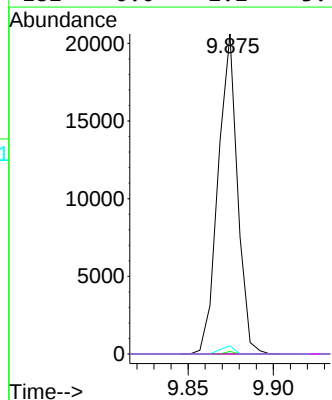
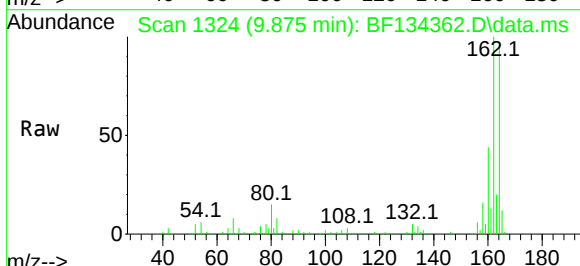
Ion Ratio Lower Upper

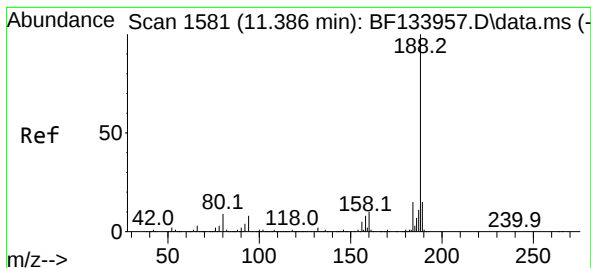
165 100

63 0.8 42.2 63.2#

89 2.6 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: BF134362.D

Acq: 19 Jul 2023 16:56

Instrument :

BNA_F

ClientSampleId :

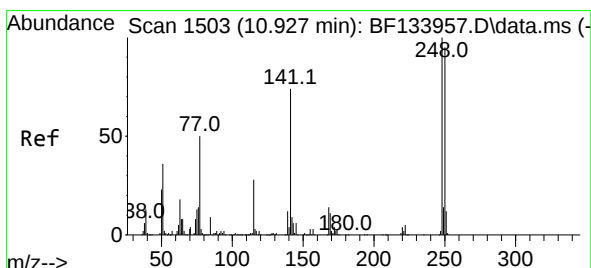
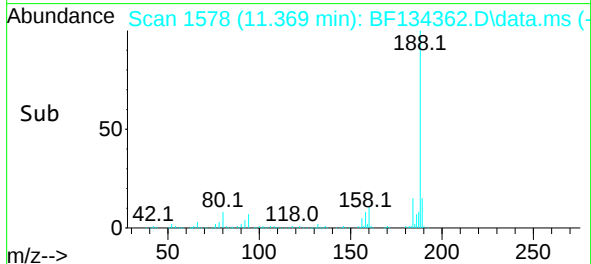
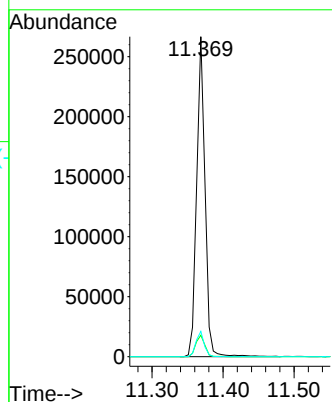
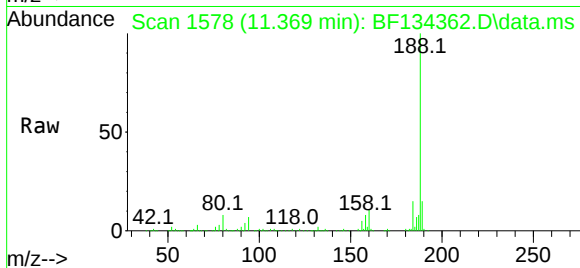
Tgt Ion:188 Resp: 220067

Ion Ratio Lower Upper

188 100

94 6.7 6.4 9.6

80 7.9 7.3 10.9



#67

4-Bromophenyl-phenylether

Concen: 3.990 ng

RT: 10.669 min Scan# 1459

Delta R.T. -0.247 min

Lab File: BF134362.D

Acq: 19 Jul 2023 16:56

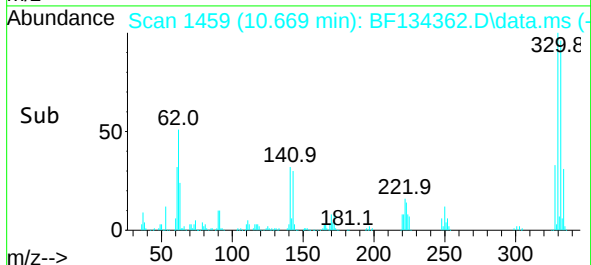
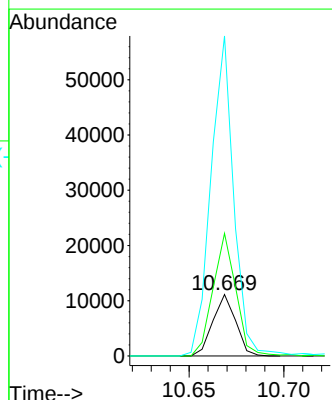
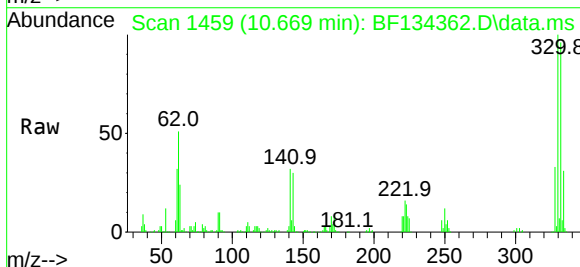
Tgt Ion:248 Resp: 9333

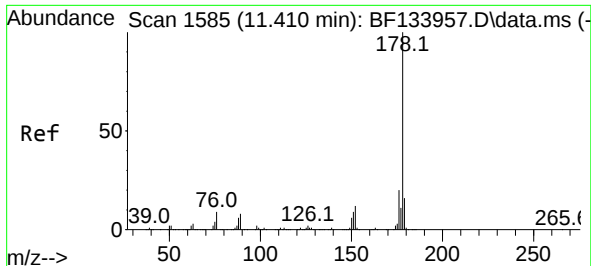
Ion Ratio Lower Upper

248 100

250 199.3 76.2 114.4#

141 520.2 59.0 88.4#

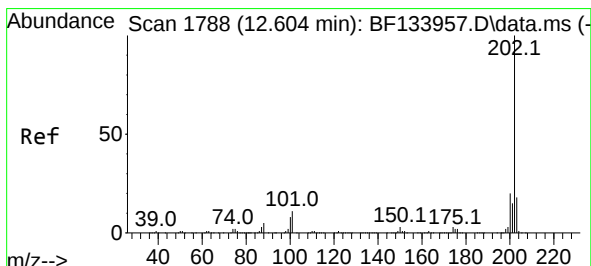
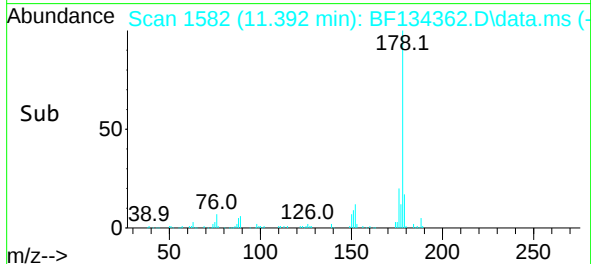
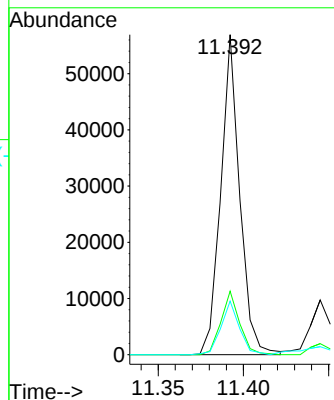
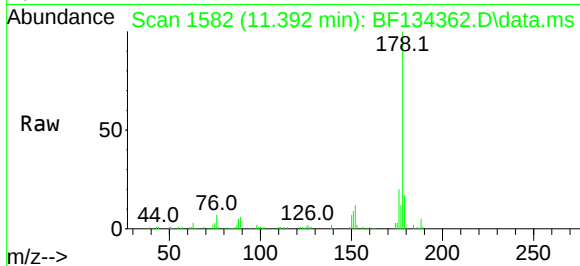




#71
Phenanthrene
Concen: 3.985 ng
RT: 11.392 min Scan# 11392
Delta R.T. -0.012 min
Lab File: BF134362.D
Acq: 19 Jul 2023 16:56

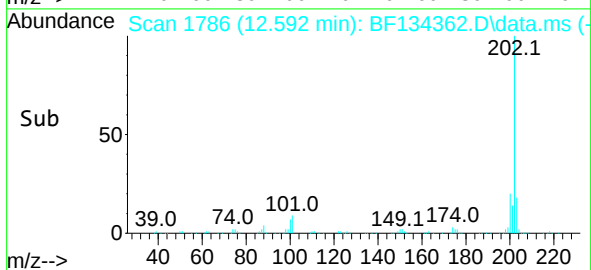
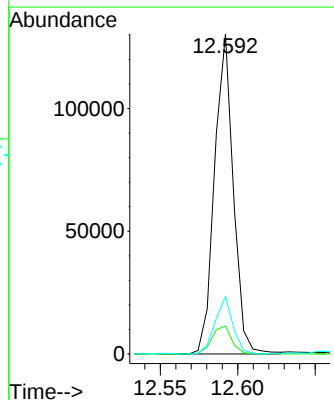
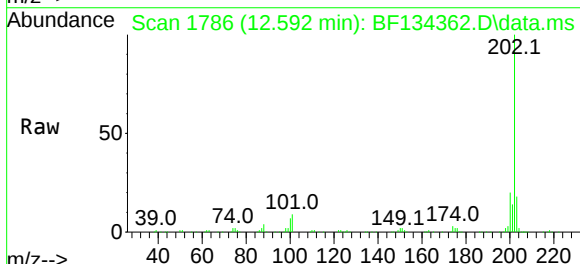
Instrument :
BNA_F
ClientSampleId :

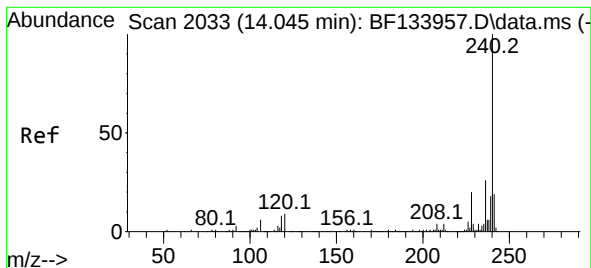
Tgt Ion:178 Resp: 44151
Ion Ratio Lower Upper
178 100
176 19.9 16.0 24.0
179 16.7 12.4 18.6



#75
Fluoranthene
Concen: 9.195 ng
RT: 12.592 min Scan# 1786
Delta R.T. -0.006 min
Lab File: BF134362.D
Acq: 19 Jul 2023 16:56

Tgt Ion:202 Resp: 110125
Ion Ratio Lower Upper
202 100
101 8.7 0.0 31.0
203 17.8 0.0 37.6





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.033 min Scan# 2033

Delta R.T. -0.006 min

Lab File: BF134362.D

Acq: 19 Jul 2023 16:56

Instrument :

BNA_F

ClientSampleId :

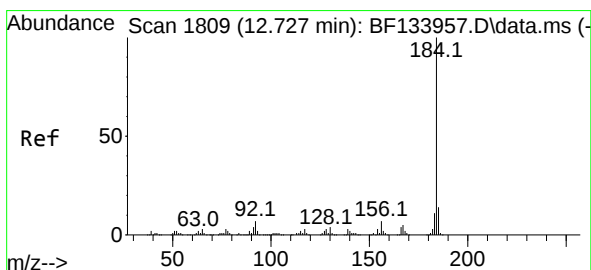
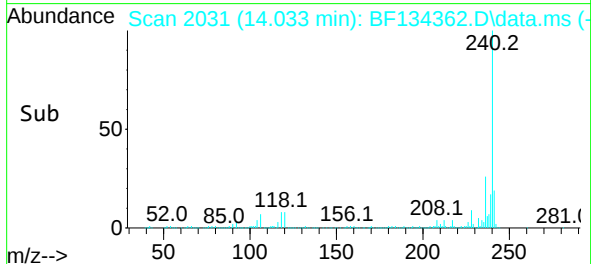
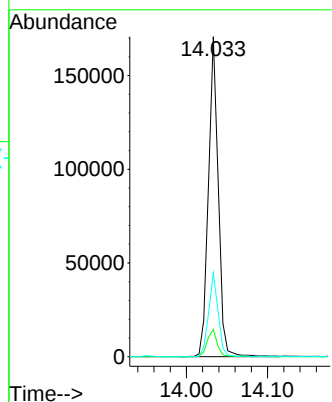
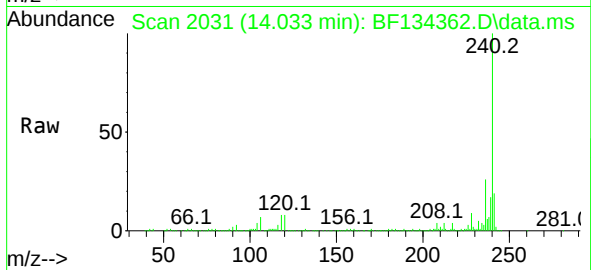
Tgt Ion:240 Resp: 143698

Ion Ratio Lower Upper

240 100

120 8.5 7.4 11.0

236 26.2 21.0 31.6



#77

Benzidine

Concen: 2.394 ng

RT: 12.969 min Scan# 1850

Delta R.T. 0.241 min

Lab File: BF134362.D

Acq: 19 Jul 2023 16:56

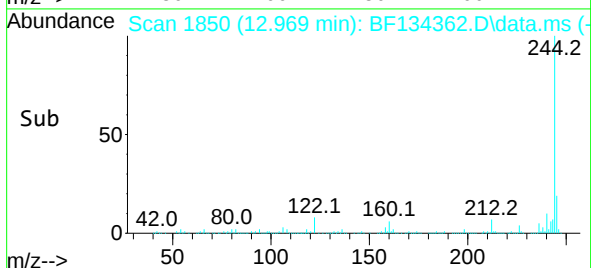
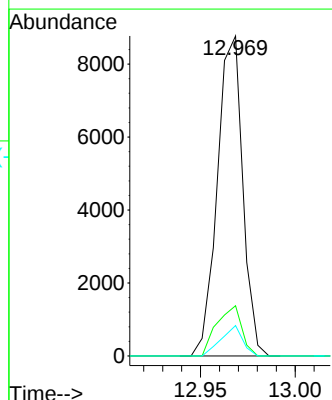
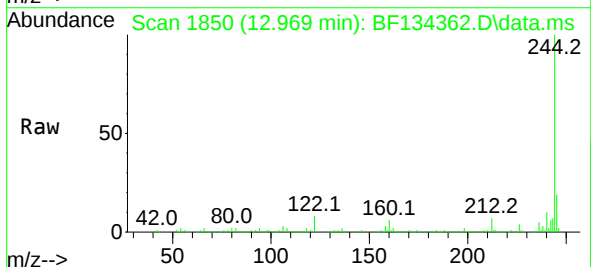
Tgt Ion:184 Resp: 8184

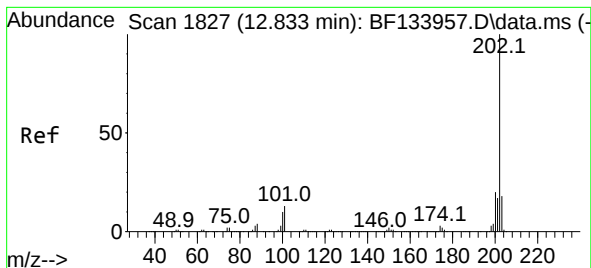
Ion Ratio Lower Upper

184 100

185 15.7 11.6 17.4

183 9.5 8.8 13.2





#78

Pyrene

Concen: 6.676 ng

RT: 12.821 min Scan# 1825

Delta R.T. -0.012 min

Lab File: BF134362.D

Acq: 19 Jul 2023 16:56

Instrument :

BNA_F

ClientSampleId :

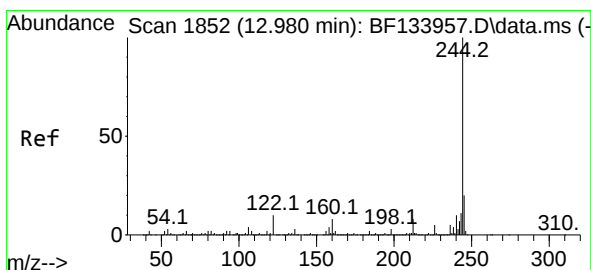
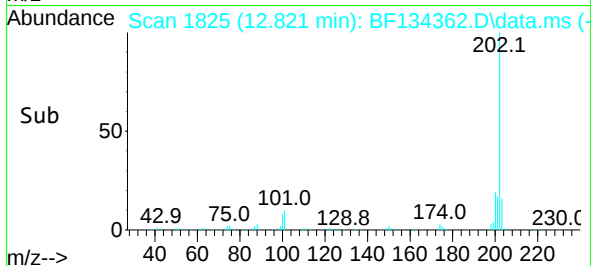
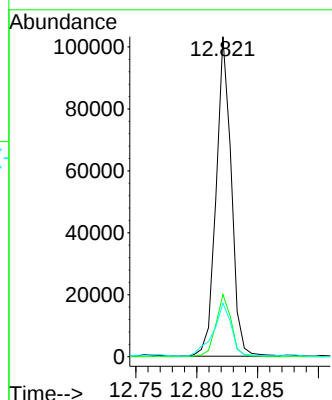
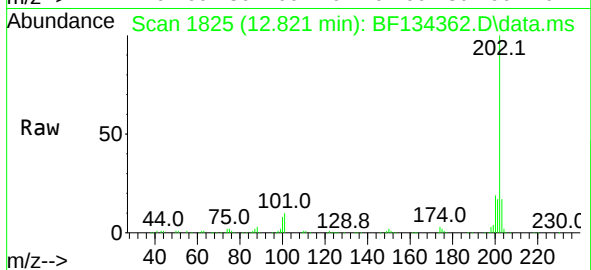
Tgt Ion:202 Resp: 89276

Ion Ratio Lower Upper

202 100

200 19.4 16.1 24.1

203 16.7 14.3 21.5



#79

Terphenyl-d14

Concen: 64.681 ng

RT: 12.969 min Scan# 1850

Delta R.T. -0.006 min

Lab File: BF134362.D

Acq: 19 Jul 2023 16:56

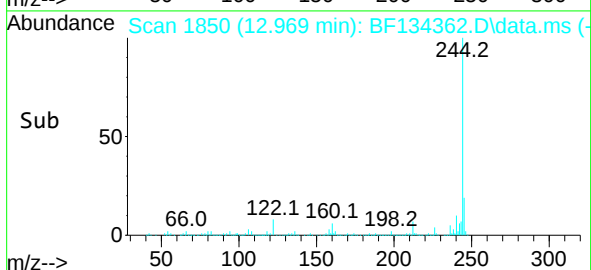
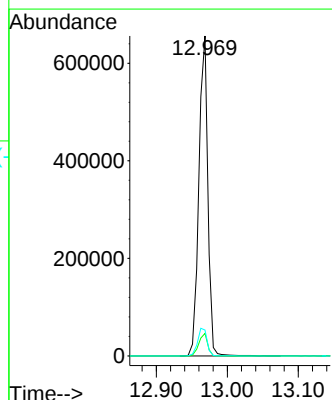
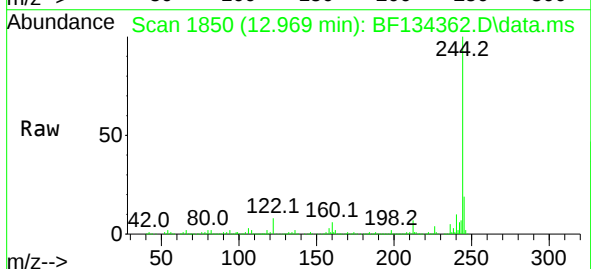
Tgt Ion:244 Resp: 577506

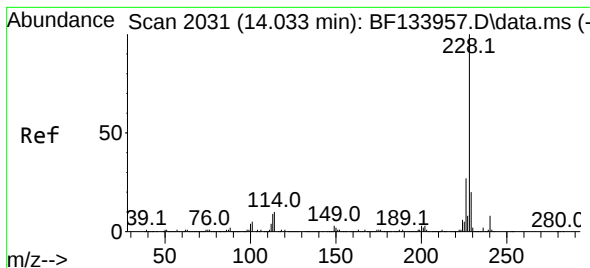
Ion Ratio Lower Upper

244 100

212 7.1 6.0 9.0

122 8.1 8.3 12.5#





#81

Benzo(a)anthracene

Concen: 6.003 ng

RT: 14.021 min Scan# 2031

Delta R.T. -0.006 min

Lab File: BF134362.D

Acq: 19 Jul 2023 16:56

Instrument :

BNA_F

ClientSampleId :

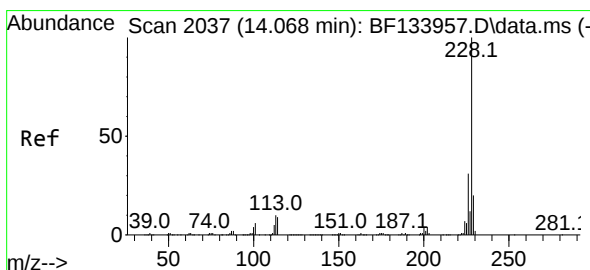
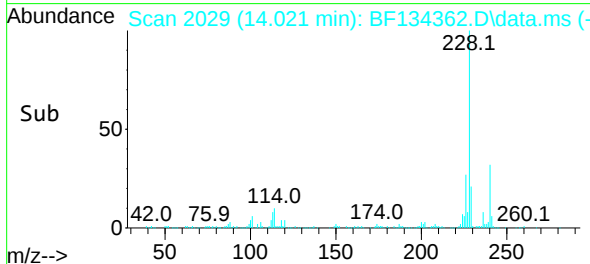
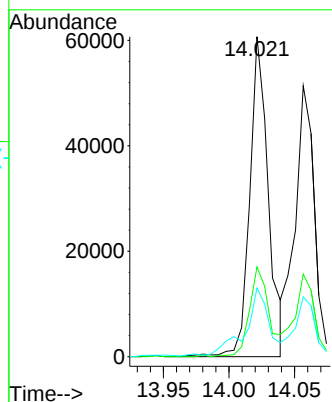
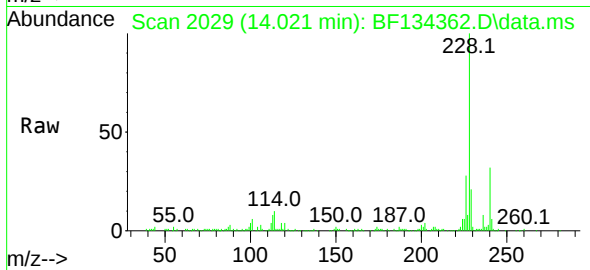
Tgt Ion:228 Resp: 59823

Ion Ratio Lower Upper

228 100

226 28.0 22.0 33.0

229 21.4 16.3 24.5



#83

Chrysene

Concen: 5.504 ng

RT: 14.057 min Scan# 2035

Delta R.T. -0.012 min

Lab File: BF134362.D

Acq: 19 Jul 2023 16:56

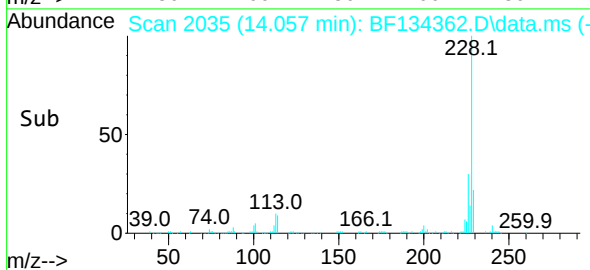
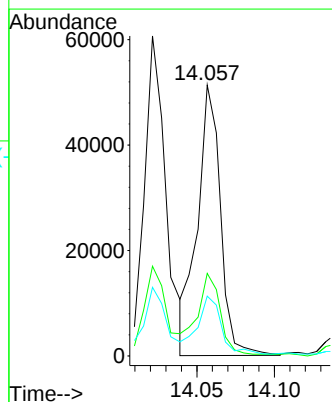
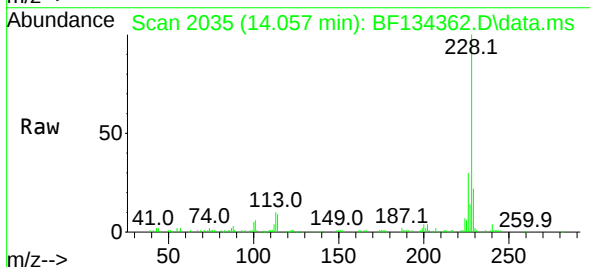
Tgt Ion:228 Resp: 53130

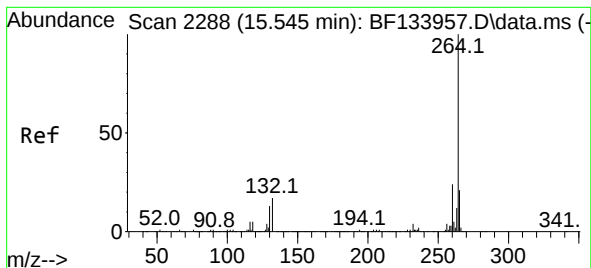
Ion Ratio Lower Upper

228 100

226 30.5 24.4 36.6

229 22.1 16.1 24.1





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.539 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF134362.D

Acq: 19 Jul 2023 16:56

Instrument :

BNA_F

ClientSampleId :

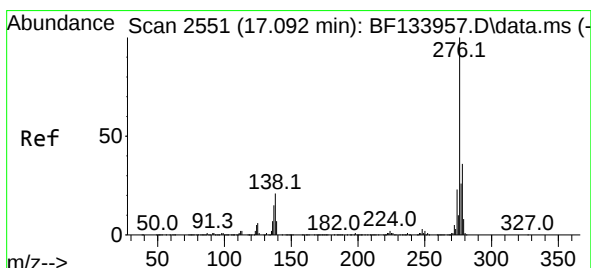
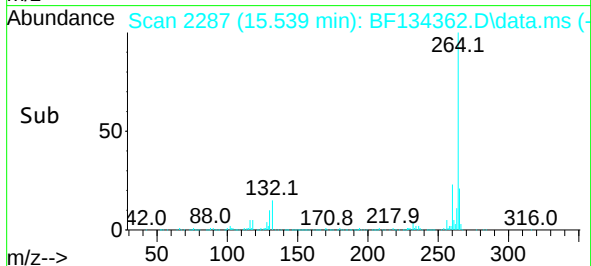
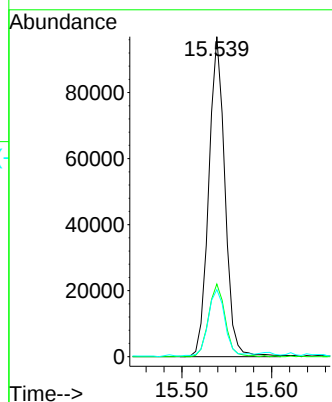
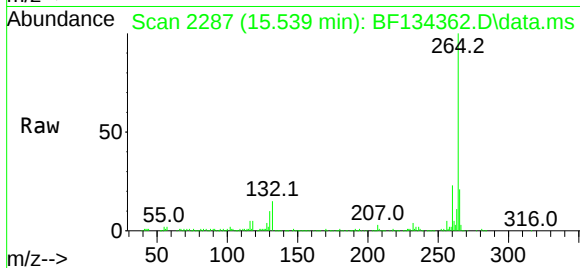
Tgt Ion:264 Resp: 121163

Ion Ratio Lower Upper

264 100

260 22.7 19.5 29.3

265 20.9 16.6 25.0



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.600 ng

RT: 17.086 min Scan# 2550

Delta R.T. -0.012 min

Lab File: BF134362.D

Acq: 19 Jul 2023 16:56

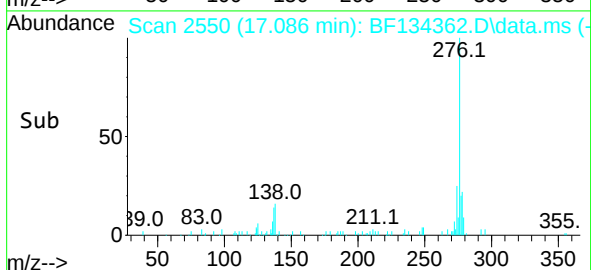
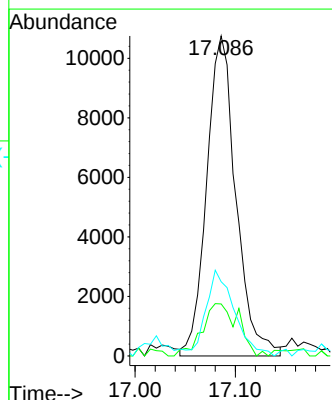
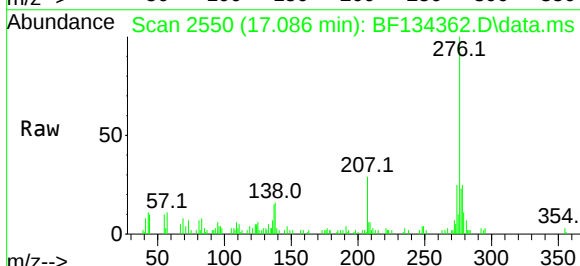
Tgt Ion:276 Resp: 21863

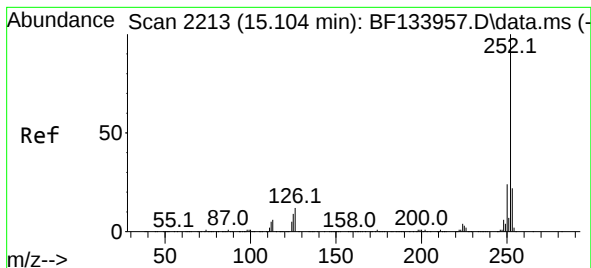
Ion Ratio Lower Upper

276 100

138 20.1 18.7 28.1

277 26.0 19.9 29.9





#88

Benzo(b)fluoranthene

Concen: 11.271 ng

RT: 15.092 min Scan# 2211

Delta R.T. -0.012 min

Lab File: BF134362.D

Acq: 19 Jul 2023 16:56

Instrument :

BNA_F

ClientSampleId :

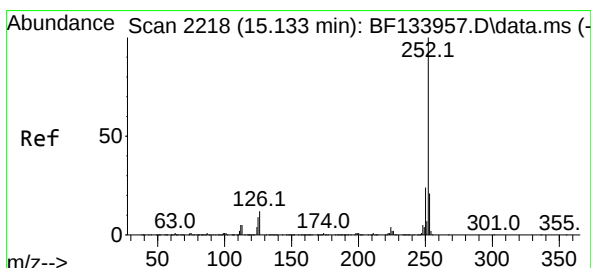
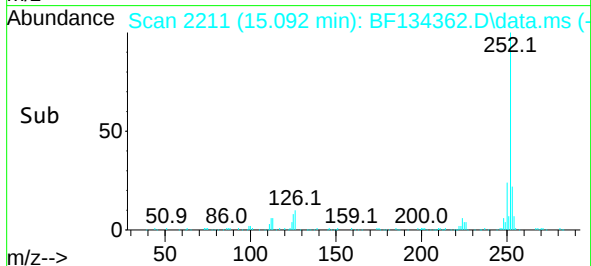
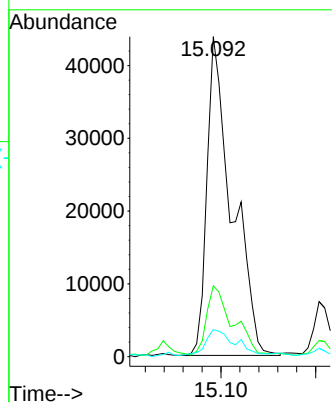
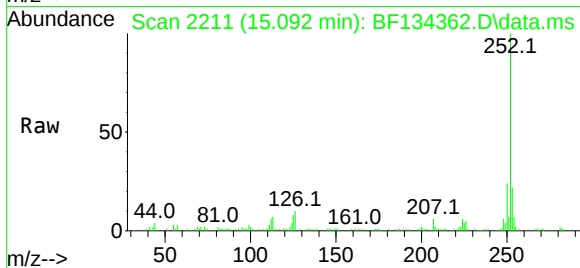
Tgt Ion:252 Resp: 80301

Ion Ratio Lower Upper

252 100

253 22.2 17.4 26.0

125 8.5 7.1 10.7



#89

Benzo(k)fluoranthene

Concen: 11.070 ng

RT: 15.092 min Scan# 2211

Delta R.T. -0.041 min

Lab File: BF134362.D

Acq: 19 Jul 2023 16:56

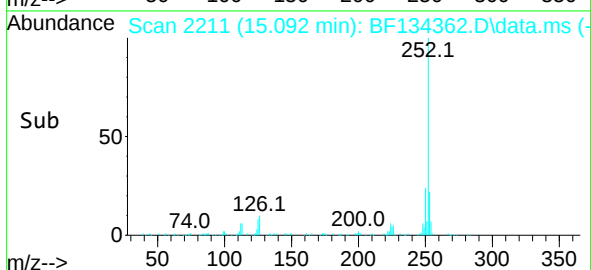
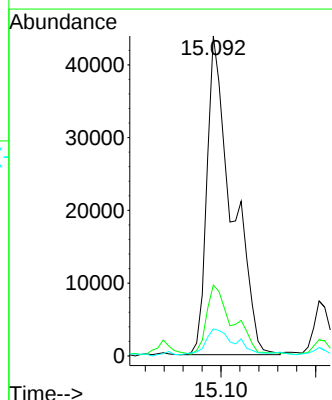
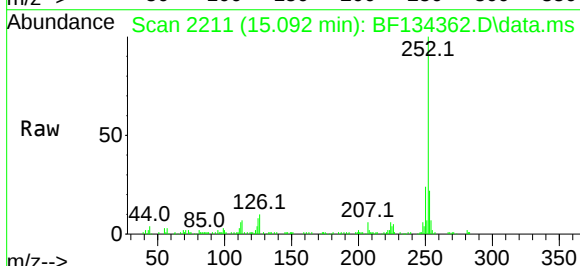
Tgt Ion:252 Resp: 80301

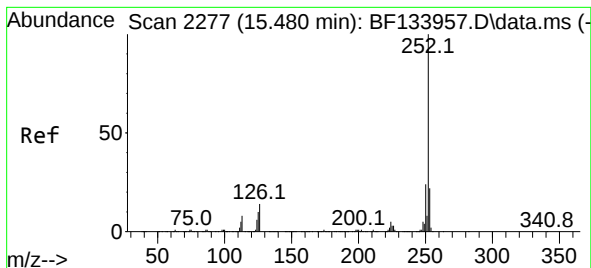
Ion Ratio Lower Upper

252 100

253 22.2 16.9 25.3

125 8.5 7.4 11.2





#90

Benzo(a)pyrene

Concen: 5.526 ng

RT: 15.474 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF134362.D

Acq: 19 Jul 2023 16:56

Instrument :

BNA_F

ClientSampleId :

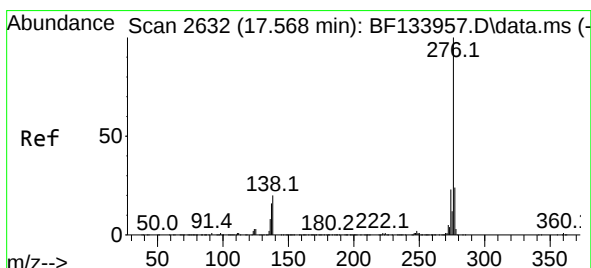
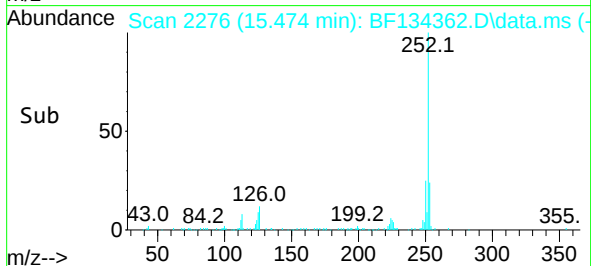
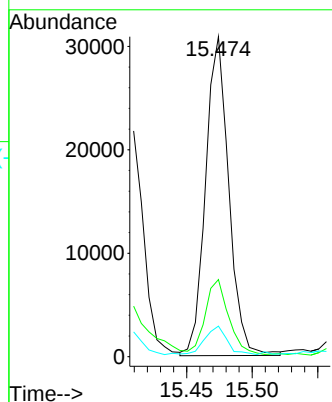
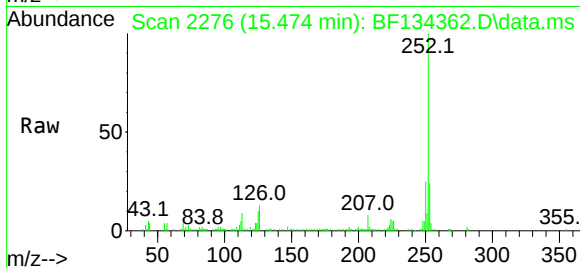
Tgt Ion:252 Resp: 38069

Ion Ratio Lower Upper

252 100

253 24.1 17.4 26.0

125 9.6 8.4 12.6



#92

Benzo(g,h,i)perylene

Concen: 2.709 ng

RT: 17.562 min Scan# 2631

Delta R.T. -0.006 min

Lab File: BF134362.D

Acq: 19 Jul 2023 16:56

Tgt Ion:276 Resp: 19185

Ion Ratio Lower Upper

276 100

277 23.1 19.0 28.6

138 17.6 16.2 24.2

