

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071823\
 Data File : BF134345.D
 Acq On : 18 Jul 2023 19:11
 Operator : CG\JU
 Sample : 03597-01
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RB-42-(1-3)

Quant Time: Jul 19 01:39:49 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)

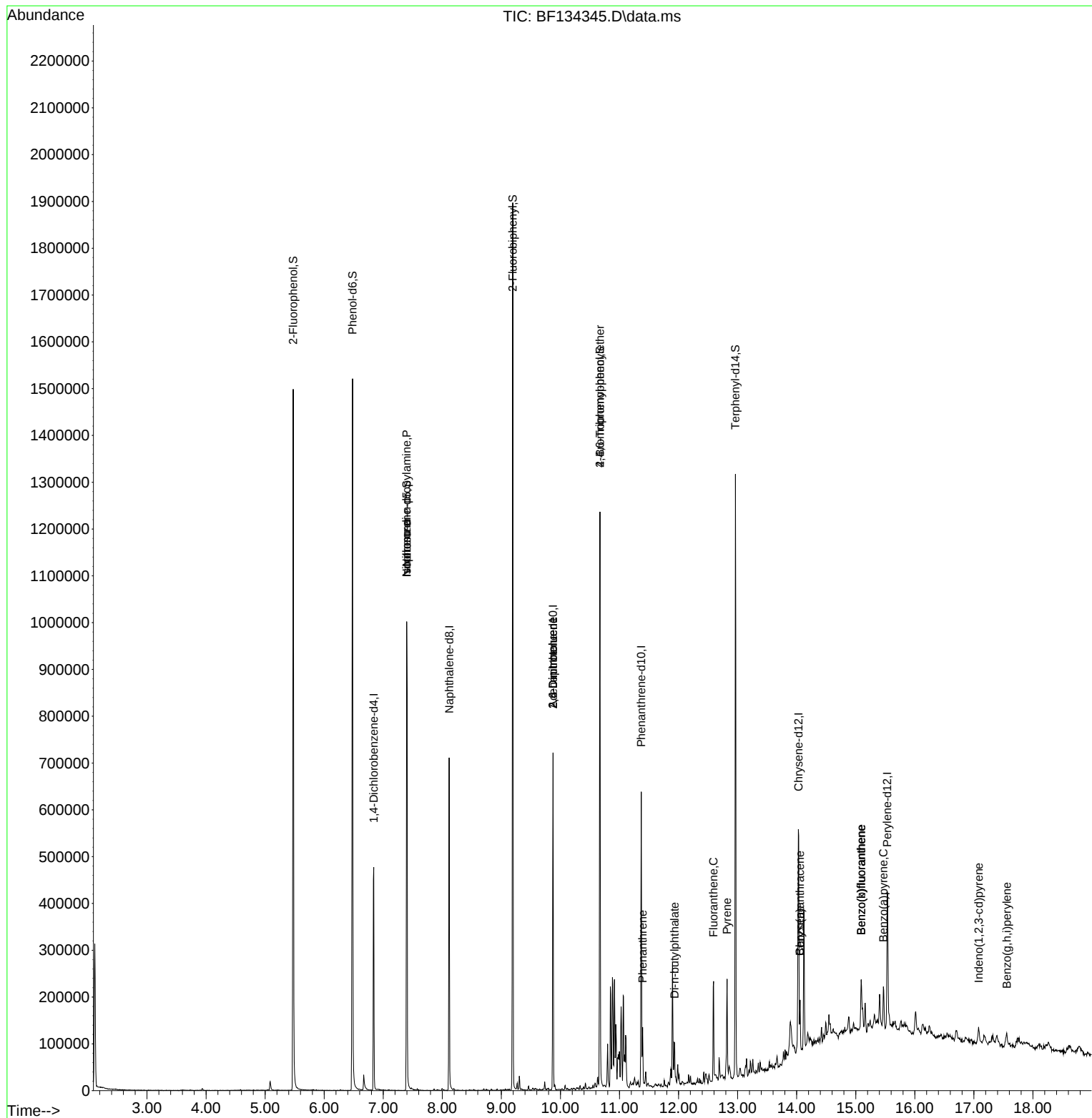
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.839	152	71718	20.000	ng	0.00
21) Naphthalene-d8	8.116	136	269813	20.000	ng	# 0.00
39) Acenaphthene-d10	9.874	164	128666	20.000	ng	0.00
64) Phenanthrene-d10	11.368	188	217728	20.000	ng	0.00
76) Chrysene-d12	14.033	240	157422	20.000	ng	# 0.00
86) Perylene-d12	15.533	264	150656	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.475	112	370531	86.424	ng	0.00
7) Phenol-d6	6.481	99	446695	84.719	ng	0.00
23) Nitrobenzene-d5	7.398	82	311324	62.199	ng	-0.01
42) 2,4,6-Tribromophenol	10.669	330	140150	86.876	ng	-0.01
45) 2-Fluorobiphenyl	9.192	172	505407	57.110	ng	-0.01
79) Terphenyl-d14	12.963	244	423514	43.298	ng	-0.01
Target Compounds						Qvalue
9) Benzaldehyde	6.481	77	846	Below Cal	#	1
19) n-Nitroso-di-n-propyla...	7.398	70	43687	13.065	ng	# 75
25) Isophorone	7.398	82	311320	34.223	ng	# 64
51) 2,6-Dinitrotoluene	9.874	165	16352	8.129	ng	# 24
57) 2,4-Dinitrotoluene	9.874	165	16352	6.155	ng	# 22
67) 4-Bromophenyl-phenylether	10.669	248	8435	3.645	ng	# 1
71) Phenanthrene	11.392	178	38963	3.555	ng	98
74) Di-n-butylphthalate	11.933	149	41604	3.353	ng	99
75) Fluoranthene	12.592	202	87952	7.422	ng	96
78) Pyrene	12.821	202	85380	5.828	ng	98
81) Benzo(a)anthracene	14.057	228	42719	3.913	ng	97
83) Chrysene	14.057	228	42719	4.040	ng	96
87) Indeno(1,2,3-cd)pyrene	17.080	276	24211	2.316	ng	# 89
88) Benzo(b)fluoranthene	15.092	252	76351	8.619	ng	98
89) Benzo(k)fluoranthene	15.092	252	76351	8.465	ng	97
90) Benzo(a)pyrene	15.468	252	41199	4.809	ng	# 93
92) Benzo(g,h,i)perylene	17.556	276	24966	2.835	ng	# 91

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

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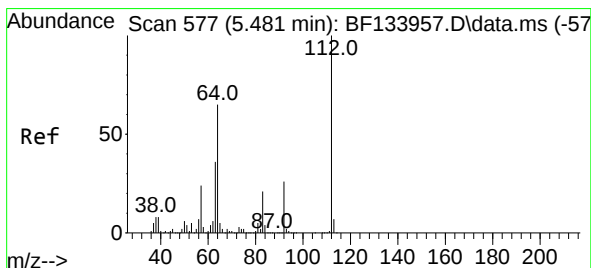
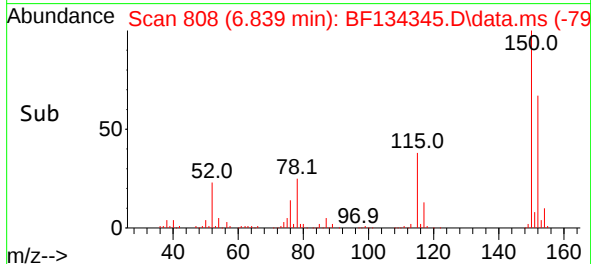
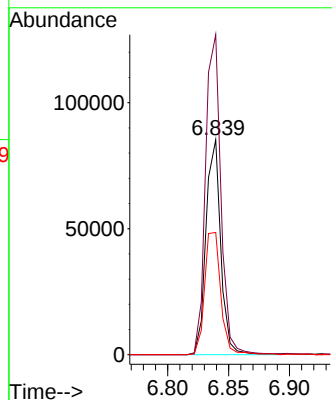
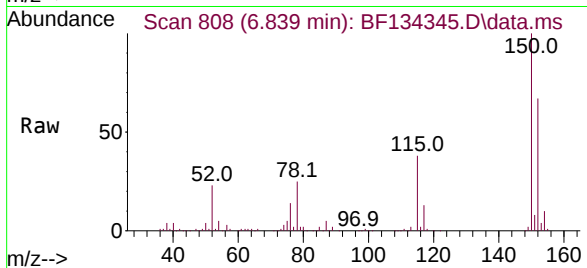




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.839 min Scan# 80
Delta R.T. -0.006 min
Lab File: BF134345.D
Acq: 18 Jul 2023 19:11

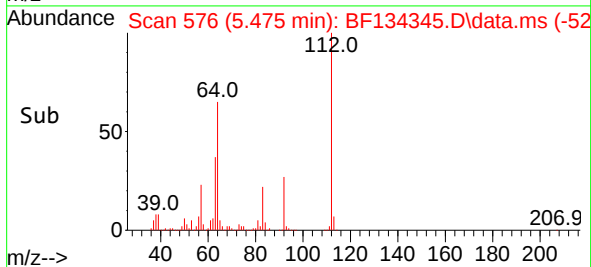
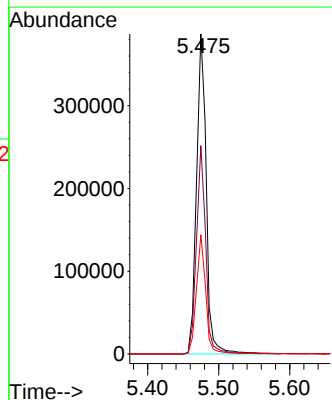
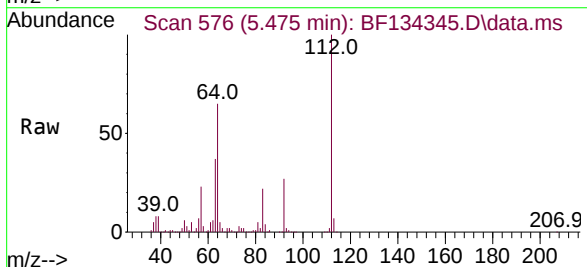
Instrument :
BNA_F
ClientSampleId :
RB-42-(1-3)

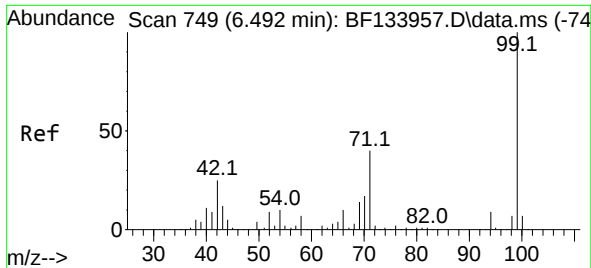
Tgt Ion:152 Resp: 71718
Ion Ratio Lower Upper
152 100
150 148.9 124.5 186.7
115 56.9 50.2 75.2



#5
2-Fluorophenol
Concen: 86.424 ng
RT: 5.475 min Scan# 576
Delta R.T. 0.006 min
Lab File: BF134345.D
Acq: 18 Jul 2023 19:11

Tgt Ion:112 Resp: 370531
Ion Ratio Lower Upper
112 100
64 65.1 52.1 78.1
63 37.2 28.6 42.8

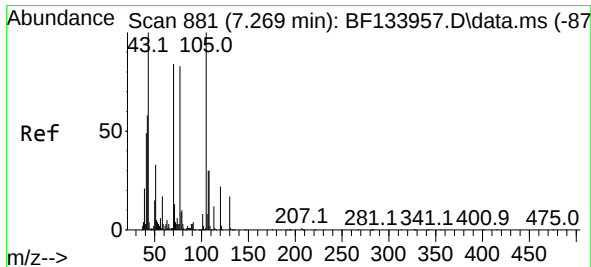
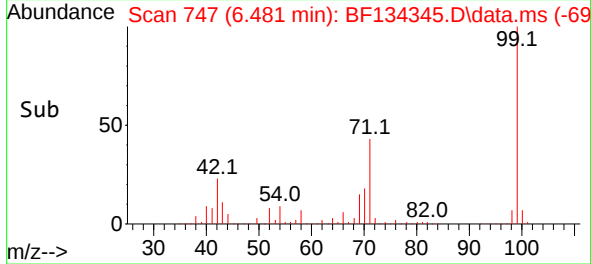
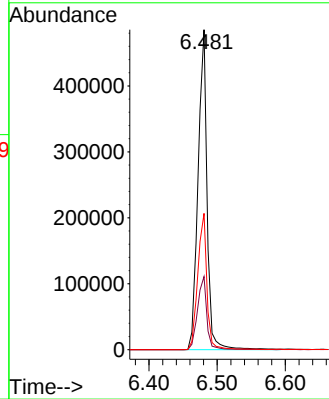
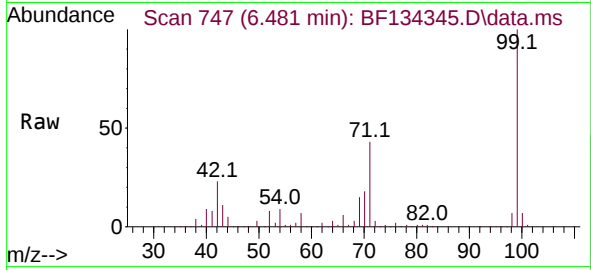




#7
Phenol-d6
Concen: 84.719 ng
RT: 6.481 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF134345.D
Acq: 18 Jul 2023 19:11

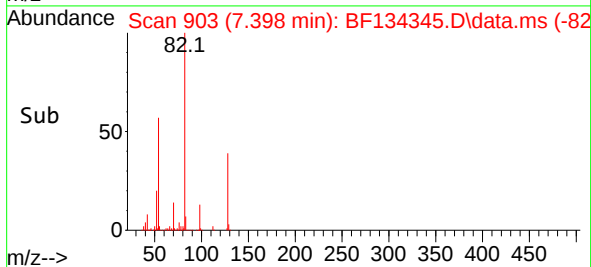
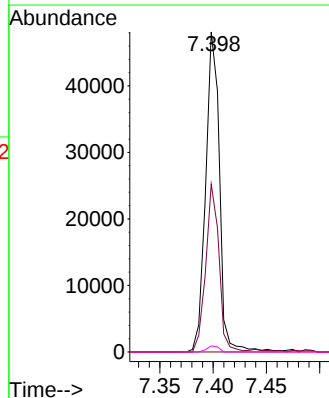
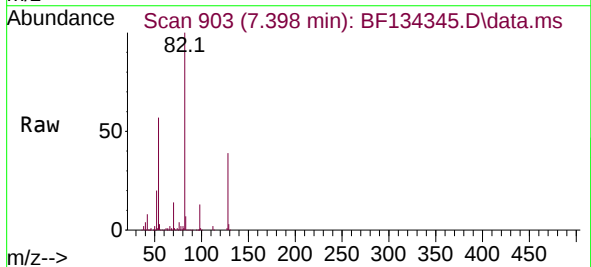
Instrument :
BNA_F
ClientSampleId :
RB-42-(1-3)

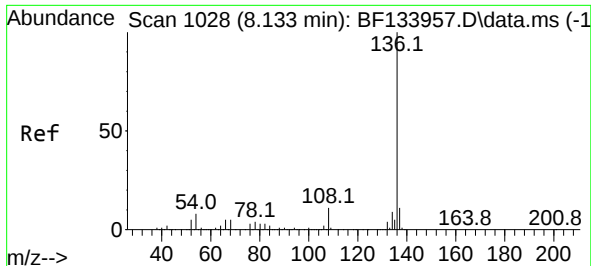
Tgt Ion: 99 Resp: 446695
Ion Ratio Lower Upper
99 100
42 22.9 19.8 29.6
71 42.6 31.9 47.9



#19
n-Nitroso-di-n-propylamine
Concen: 13.065 ng
RT: 7.398 min Scan# 903
Delta R.T. 0.141 min
Lab File: BF134345.D
Acq: 18 Jul 2023 19:11

Tgt Ion: 70 Resp: 43687
Ion Ratio Lower Upper
70 100
42 52.4 54.7 82.1#
101 0.0 7.7 11.5#
130 1.9 16.4 24.6#

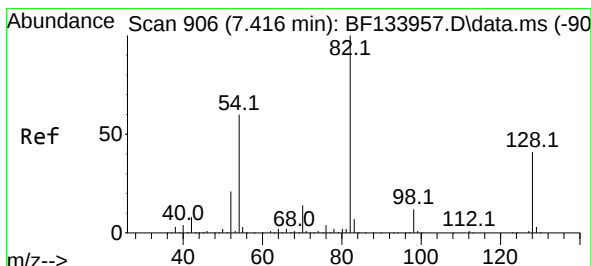
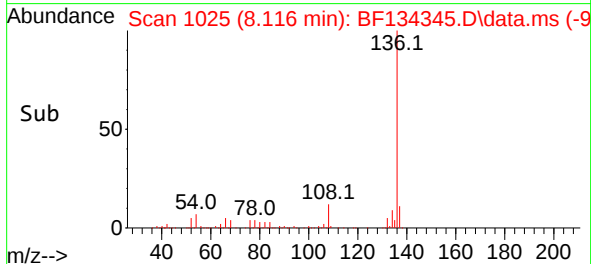
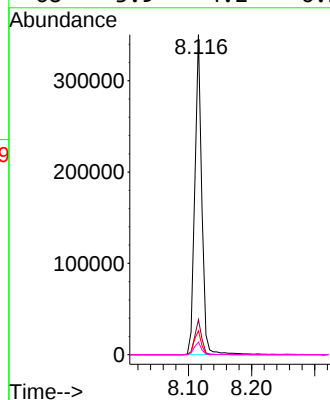
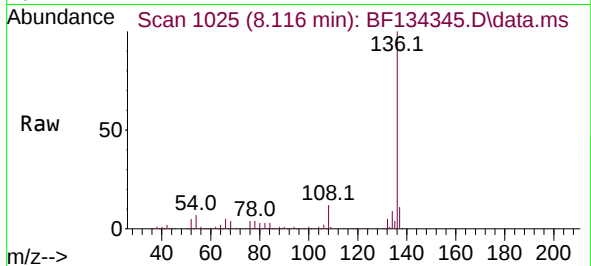




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.116 min Scan# 1025
Delta R.T. -0.006 min
Lab File: BF134345.D
Acq: 18 Jul 2023 19:11

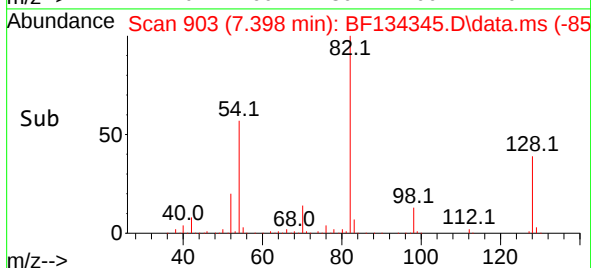
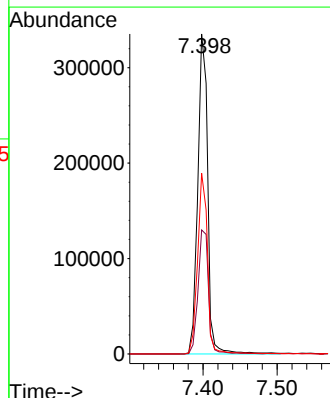
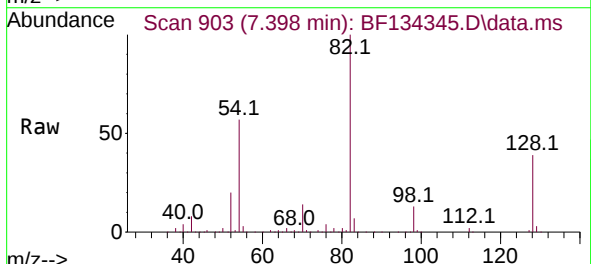
Instrument :
BNA_F
ClientSampleId :
RB-42-(1-3)

Tgt Ion:136 Resp: 269813
Ion Ratio Lower Upper
136 100
137 11.0 8.6 12.8
54 7.4 6.5 9.7
68 3.9 4.2 6.2#



#23
Nitrobenzene-d5
Concen: 62.199 ng
RT: 7.398 min Scan# 903
Delta R.T. -0.012 min
Lab File: BF134345.D
Acq: 18 Jul 2023 19:11

Tgt Ion: 82 Resp: 311324
Ion Ratio Lower Upper
82 100
128 38.8 32.5 48.7
54 56.5 48.2 72.2

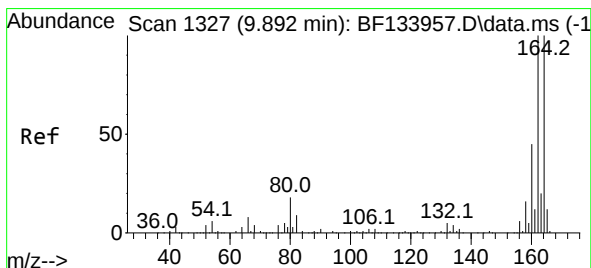
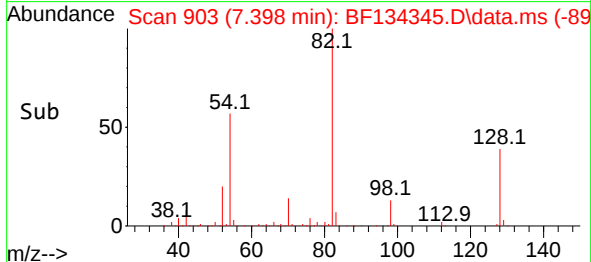
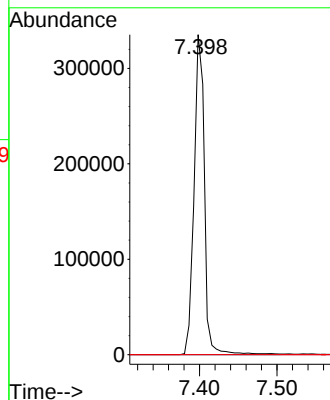
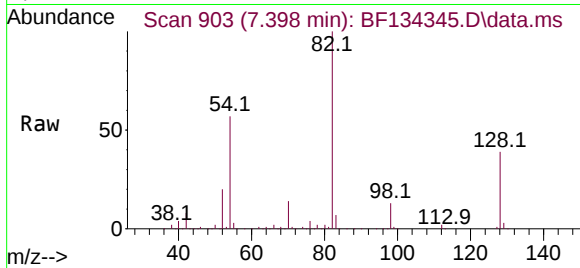




#25
Isophorone
Concen: 34.223 ng
RT: 7.398 min Scan# 90
Delta R.T. -0.265 min
Lab File: BF134345.D
Acq: 18 Jul 2023 19:11

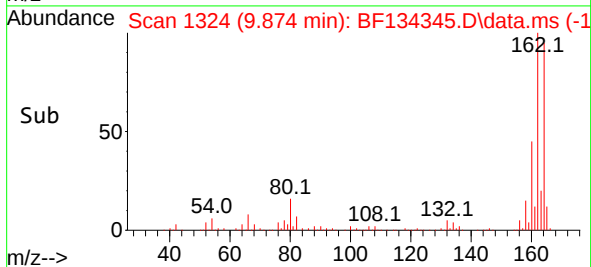
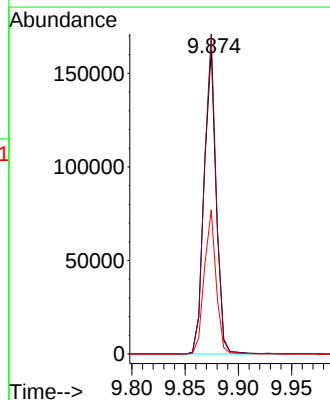
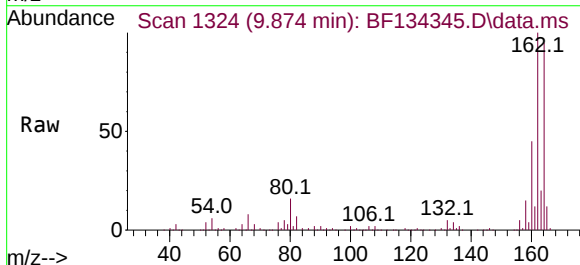
Instrument :
BNA_F
ClientSampleId :
RB-42-(1-3)

Tgt Ion: 82 Resp: 311320
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: 9.874 min Scan# 1324
Delta R.T. -0.006 min
Lab File: BF134345.D
Acq: 18 Jul 2023 19:11

Tgt Ion:164 Resp: 128666
Ion Ratio Lower Upper
164 100
162 105.2 80.0 120.0
160 47.4 35.9 53.9





#42

2,4,6-Tribromophenol

Concen: 86.876 ng

RT: 10.669 min Scan# 1462

Delta R.T. -0.012 min

Lab File: BF134345.D

Acq: 18 Jul 2023 19:11

Instrument :

BNA_F

ClientSampleId :

RB-42-(1-3)

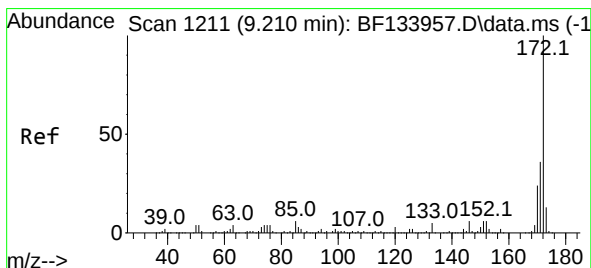
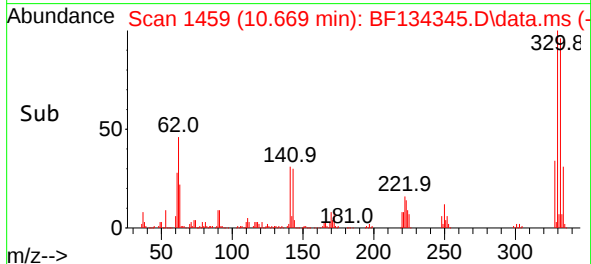
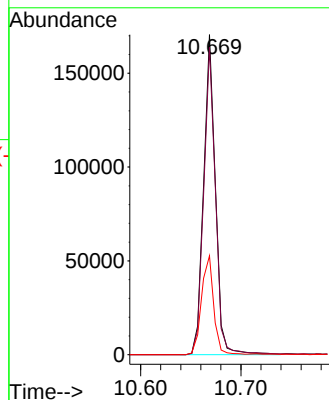
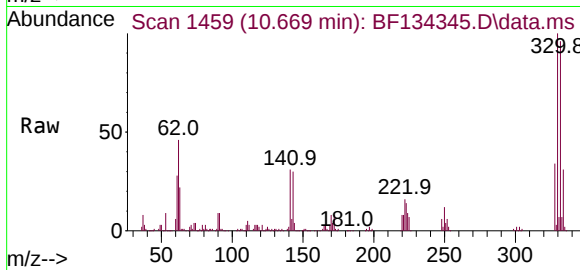
Tgt Ion:330 Resp: 140150

Ion Ratio Lower Upper

330 100

332 96.3 77.0 115.6

141 32.0 26.3 39.5



#45

2-Fluorobiphenyl

Concen: 57.110 ng

RT: 9.192 min Scan# 1208

Delta R.T. -0.012 min

Lab File: BF134345.D

Acq: 18 Jul 2023 19:11

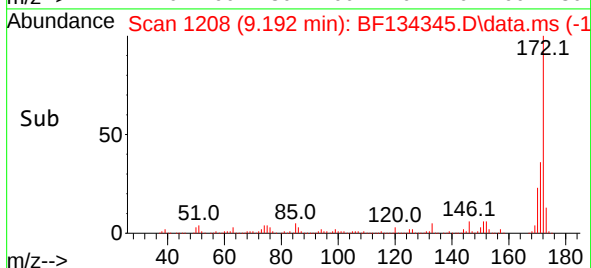
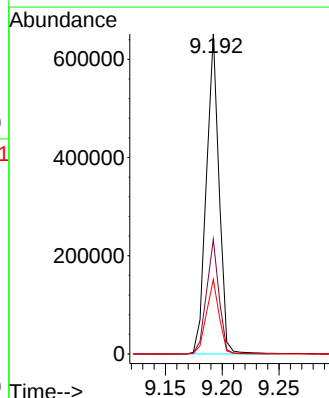
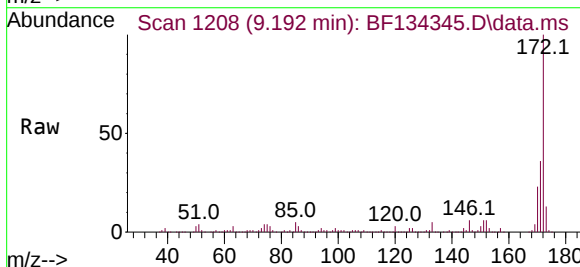
Tgt Ion:172 Resp: 505407

Ion Ratio Lower Upper

172 100

171 35.8 28.6 43.0

170 23.3 19.4 29.0





#51

2,6-Dinitrotoluene

Concen: 8.129 ng

RT: 9.874 min Scan# 11

Delta R.T. 0.200 min

Lab File: BF134345.D

Acq: 18 Jul 2023 19:11

Instrument :

BNA_F

ClientSampleId :

RB-42-(1-3)

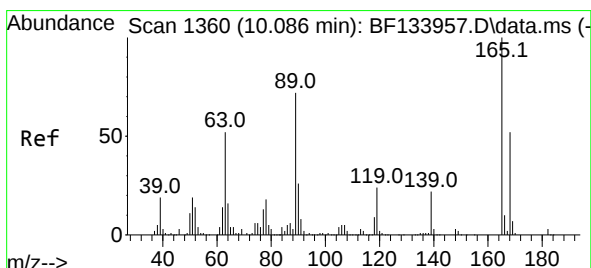
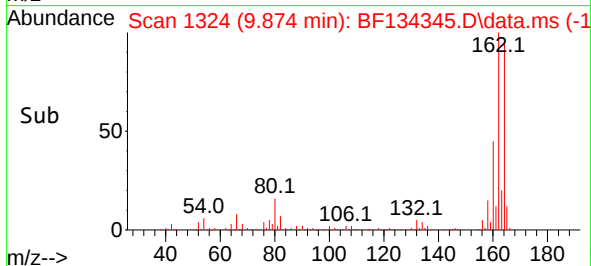
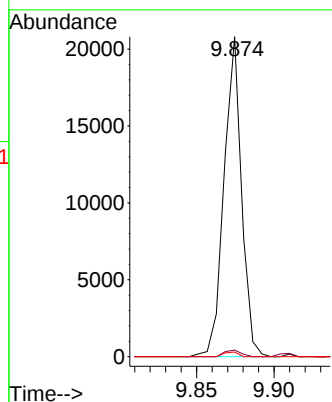
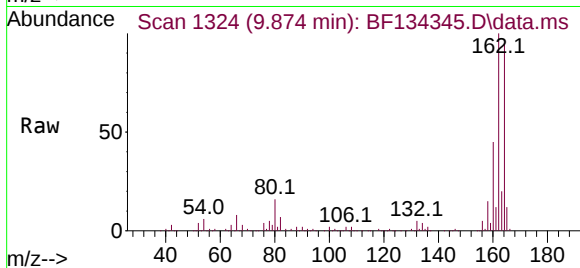
Tgt Ion:165 Resp: 16352

Ion Ratio Lower Upper

165 100

63 2.1 48.5 72.7#

89 1.5 45.5 68.3#



#57

2,4-Dinitrotoluene

Concen: 6.155 ng

RT: 9.874 min Scan# 1324

Delta R.T. -0.206 min

Lab File: BF134345.D

Acq: 18 Jul 2023 19:11

Tgt Ion:165 Resp: 16352

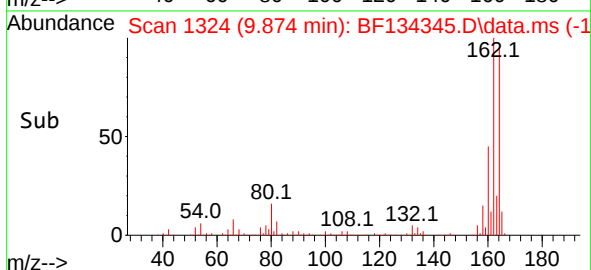
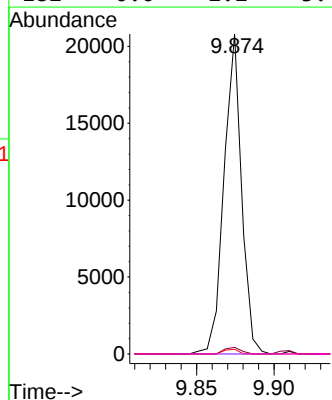
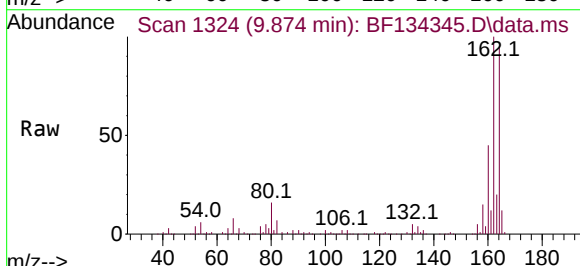
Ion Ratio Lower Upper

165 100

63 2.1 42.2 63.2#

89 1.5 57.4 86.2#

182 0.0 2.2 3.4#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.368 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF134345.D

Acq: 18 Jul 2023 19:11

Instrument :

BNA_F

ClientSampleId :

RB-42-(1-3)

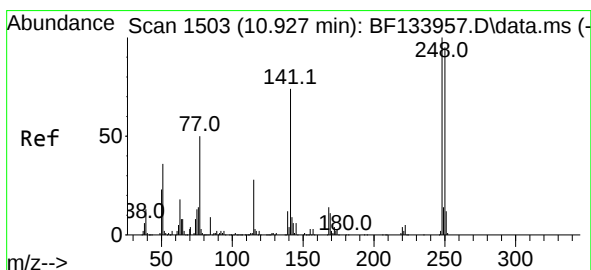
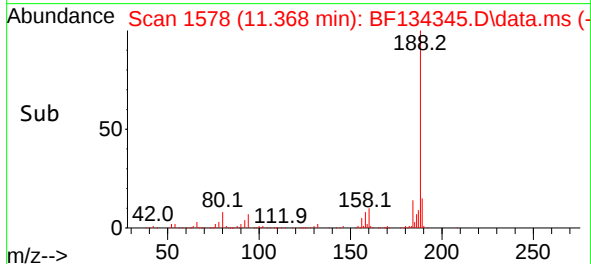
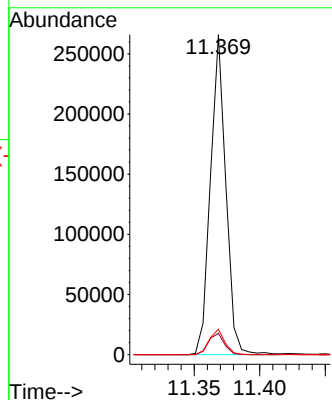
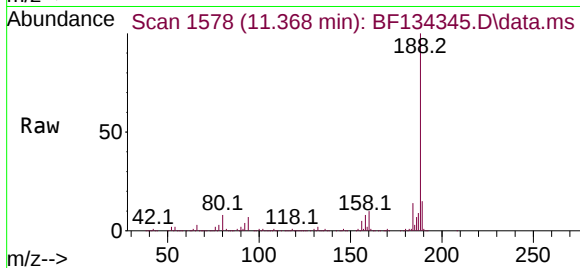
Tgt Ion:188 Resp: 217728

Ion Ratio Lower Upper

188 100

94 6.7 6.4 9.6

80 8.0 7.3 10.9



#67

4-Bromophenyl-phenylether

Concen: 3.645 ng

RT: 10.669 min Scan# 1459

Delta R.T. -0.247 min

Lab File: BF134345.D

Acq: 18 Jul 2023 19:11

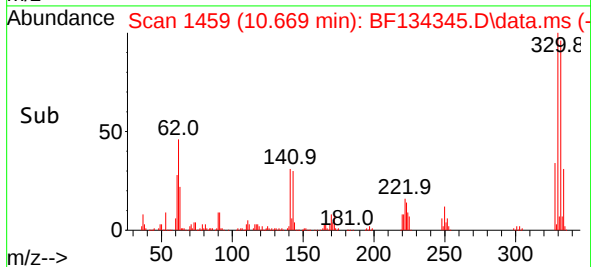
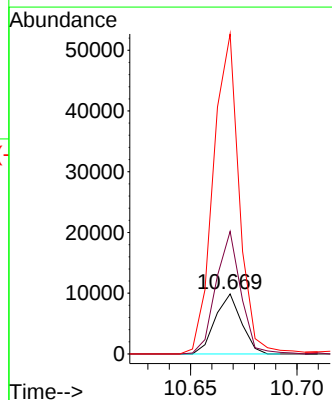
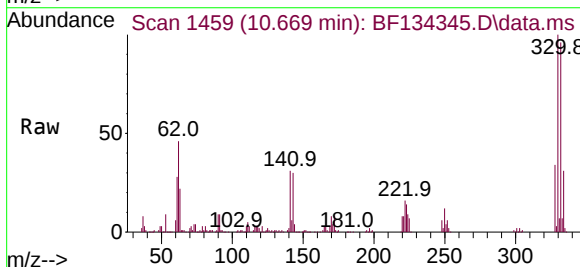
Tgt Ion:248 Resp: 8435

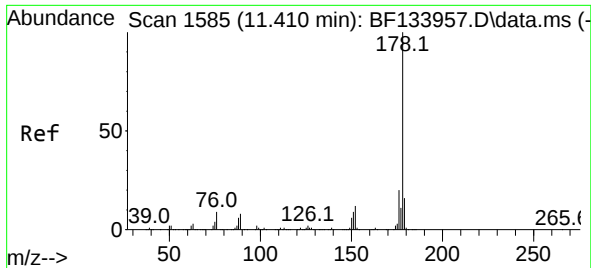
Ion Ratio Lower Upper

248 100

250 204.3 76.2 114.4#

141 533.6 59.0 88.4#

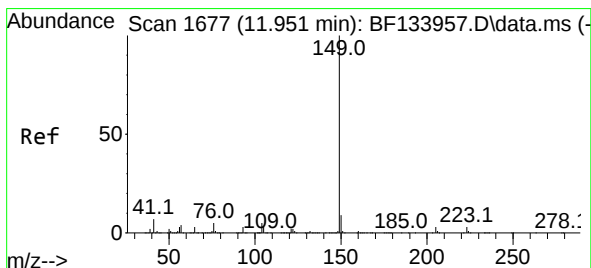
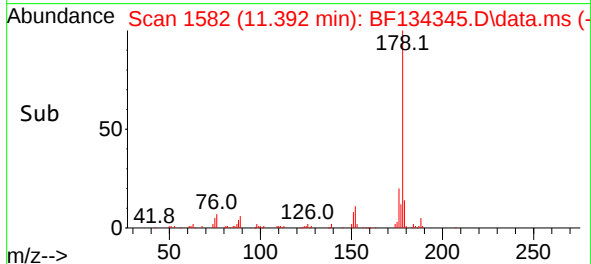
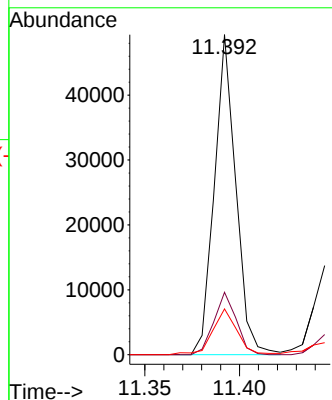
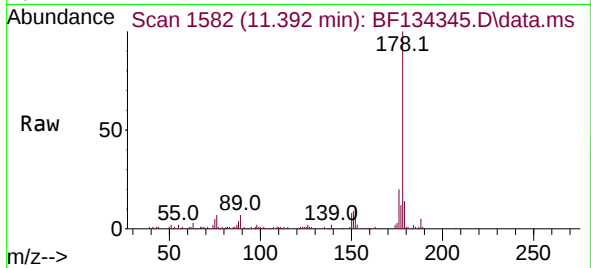




#71
Phenanthrene
Concen: 3.555 ng
RT: 11.392 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF134345.D
Acq: 18 Jul 2023 19:11

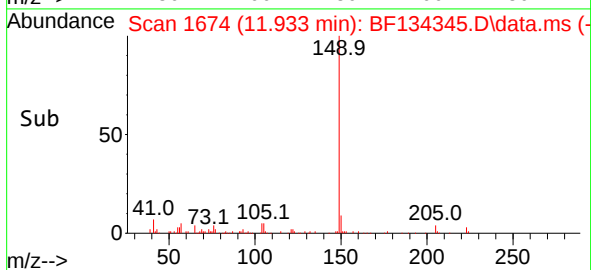
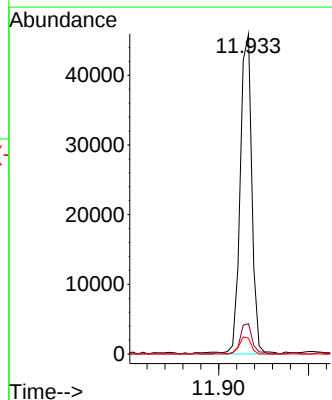
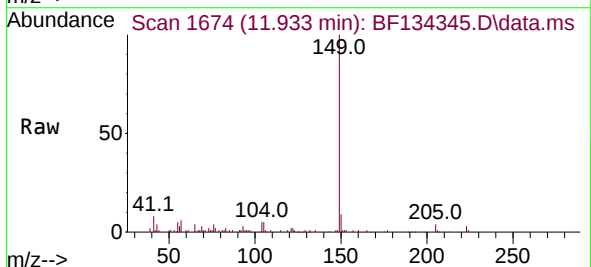
Instrument :
BNA_F
ClientSampleId :
RB-42-(1-3)

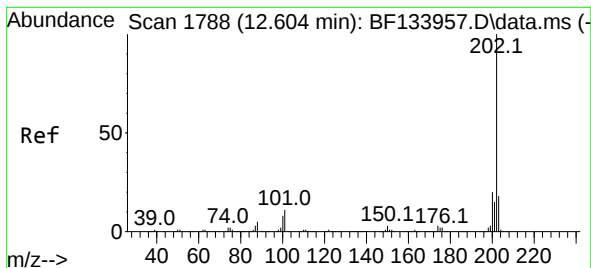
Tgt Ion:178 Resp: 38963
Ion Ratio Lower Upper
178 100
176 19.5 16.0 24.0
179 14.3 12.4 18.6



#74
Di-n-butylphthalate
Concen: 3.353 ng
RT: 11.933 min Scan# 1674
Delta R.T. -0.006 min
Lab File: BF134345.D
Acq: 18 Jul 2023 19:11

Tgt Ion:149 Resp: 41604
Ion Ratio Lower Upper
149 100
150 9.5 7.1 10.7
104 5.0 4.0 6.0





#75

Fluoranthene

Concen: 7.422 ng

RT: 12.592 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF134345.D

Acq: 18 Jul 2023 19:11

Instrument :

BNA_F

ClientSampleId :

RB-42-(1-3)

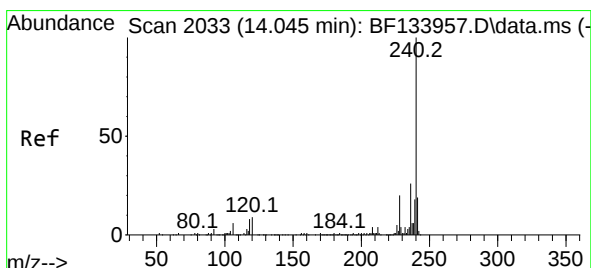
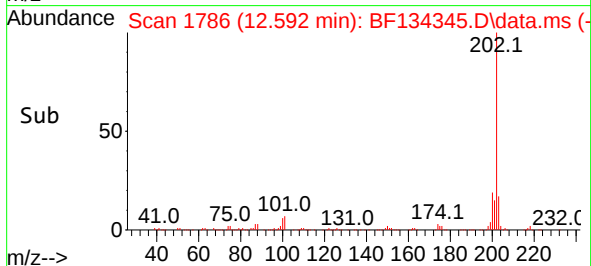
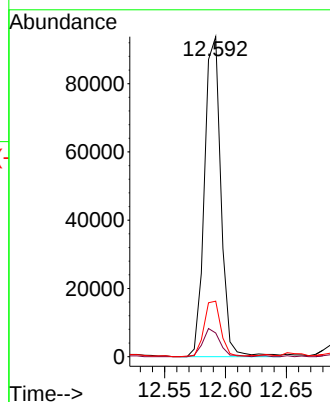
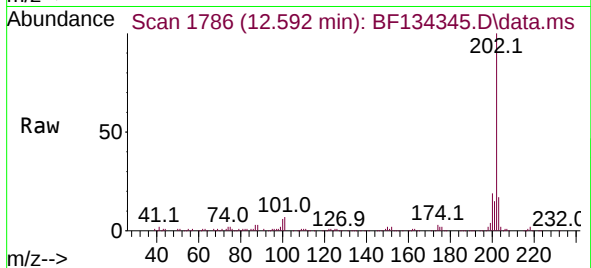
Tgt Ion:202 Resp: 87952

Ion Ratio Lower Upper

202 100

101 7.4 0.0 31.0

203 17.3 0.0 37.6



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.033 min Scan# 2031

Delta R.T. -0.006 min

Lab File: BF134345.D

Acq: 18 Jul 2023 19:11

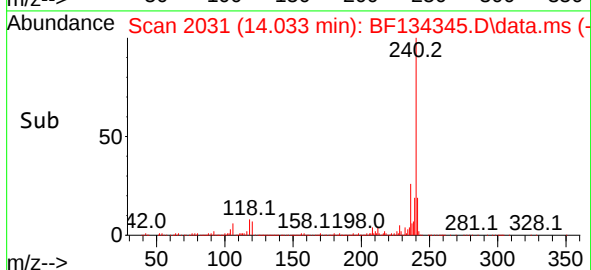
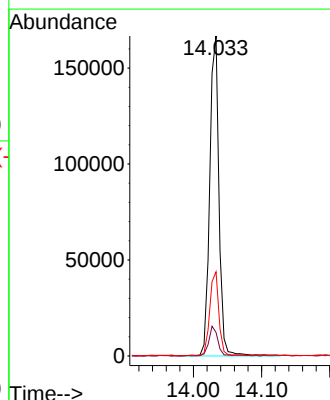
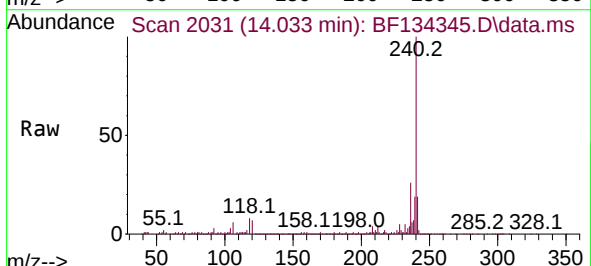
Tgt Ion:240 Resp: 157422

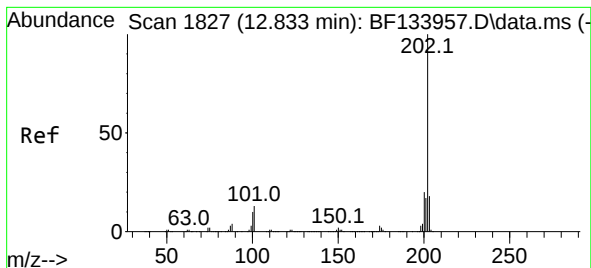
Ion Ratio Lower Upper

240 100

120 7.3 7.4 11.0#

236 26.3 21.0 31.6





#78

Pyrene

Concen: 5.828 ng

RT: 12.821 min Scan# 1825

Delta R.T. -0.012 min

Lab File: BF134345.D

Acq: 18 Jul 2023 19:11

Instrument :

BNA_F

ClientSampleId :

RB-42-(1-3)

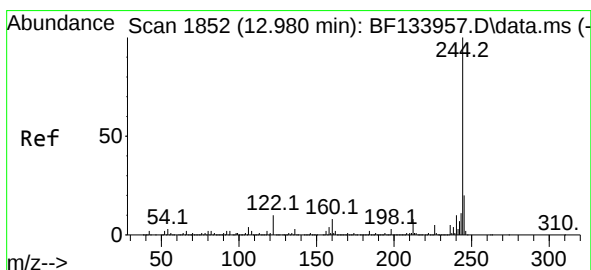
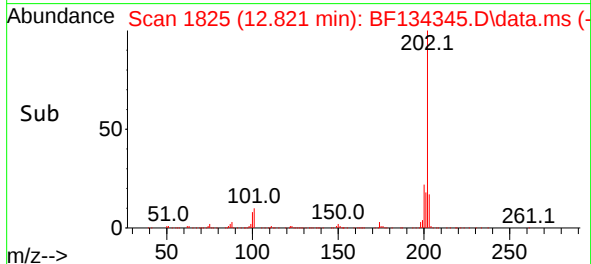
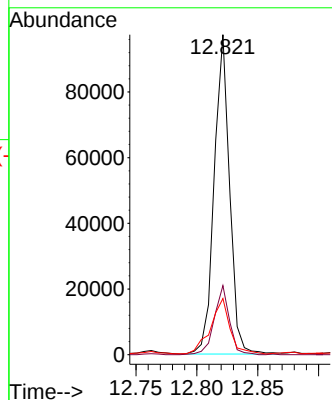
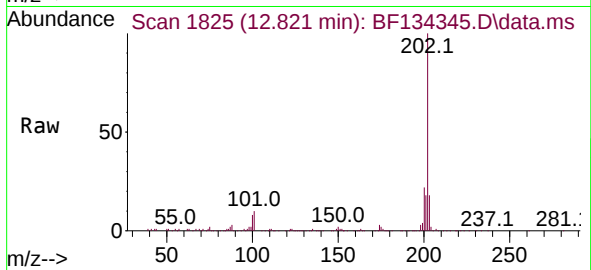
Tgt Ion:202 Resp: 85380

Ion Ratio Lower Upper

202 100

200 21.6 16.1 24.1

203 17.6 14.3 21.5



#79

Terphenyl-d14

Concen: 43.298 ng

RT: 12.963 min Scan# 1849

Delta R.T. -0.012 min

Lab File: BF134345.D

Acq: 18 Jul 2023 19:11

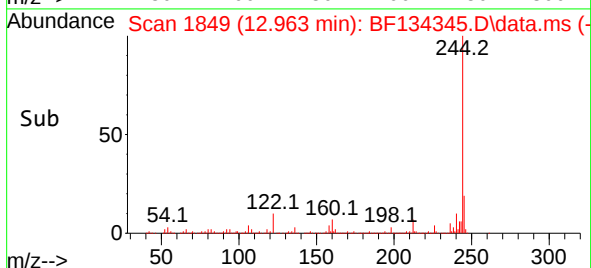
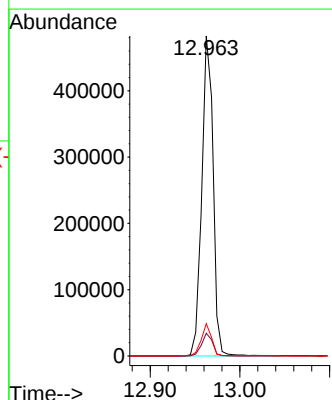
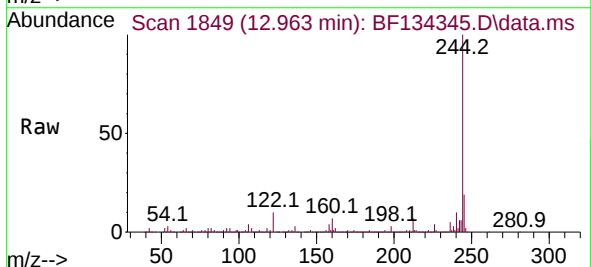
Tgt Ion:244 Resp: 423514

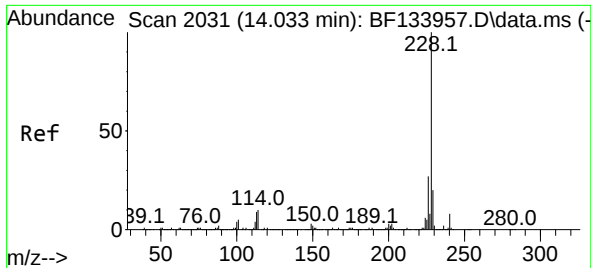
Ion Ratio Lower Upper

244 100

212 7.1 6.0 9.0

122 10.1 8.3 12.5





#81

Benzo(a)anthracene

Concen: 3.913 ng

RT: 14.057 min Scan# 2035

Delta R.T. 0.029 min

Lab File: BF134345.D

Acq: 18 Jul 2023 19:11

Instrument :

BNA_F

ClientSampleId :

RB-42-(1-3)

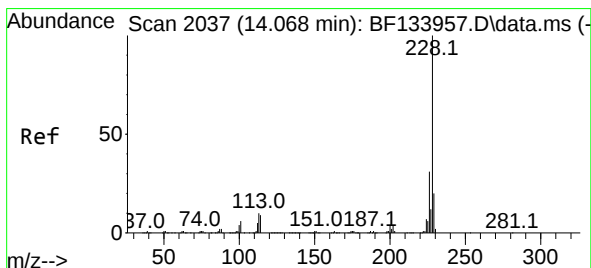
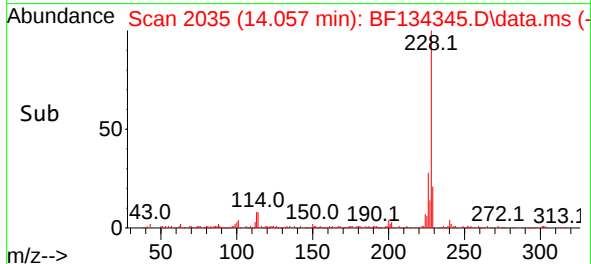
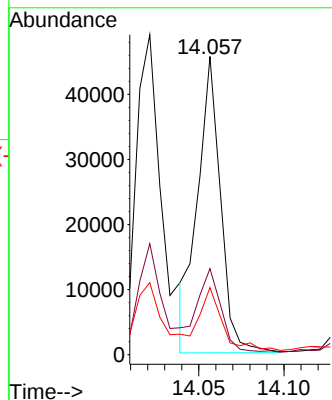
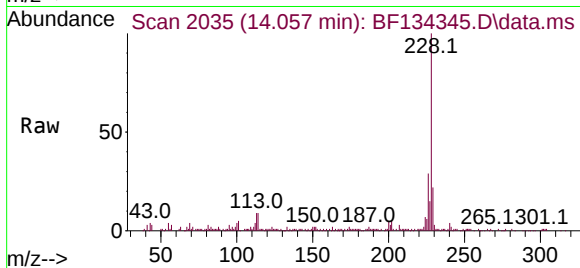
Tgt Ion:228 Resp: 42719

Ion Ratio Lower Upper

228 100

226 28.9 22.0 33.0

229 22.5 16.3 24.5



#83

Chrysene

Concen: 4.040 ng

RT: 14.057 min Scan# 2035

Delta R.T. -0.012 min

Lab File: BF134345.D

Acq: 18 Jul 2023 19:11

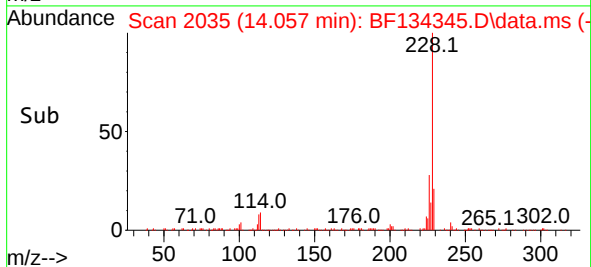
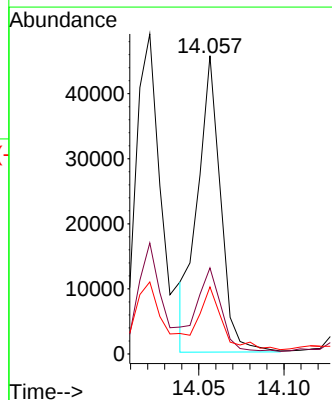
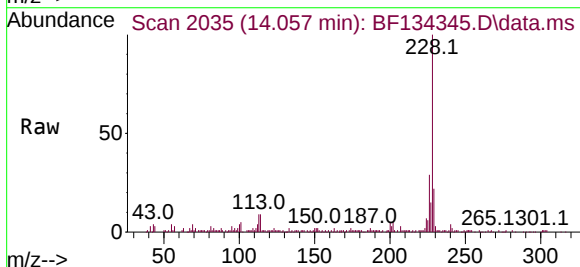
Tgt Ion:228 Resp: 42719

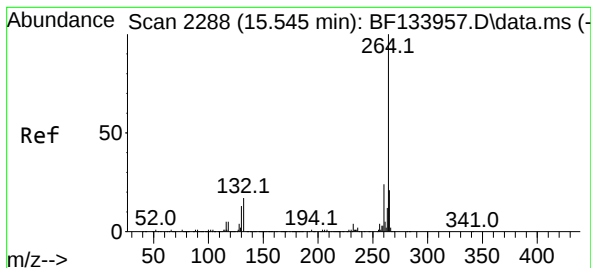
Ion Ratio Lower Upper

228 100

226 28.9 24.4 36.6

229 22.5 16.1 24.1





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.533 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF134345.D

Acq: 18 Jul 2023 19:11

Instrument :

BNA_F

ClientSampleId :

RB-42-(1-3)

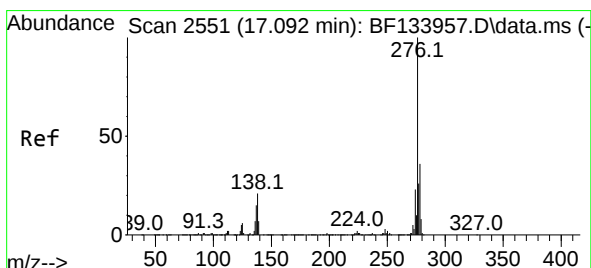
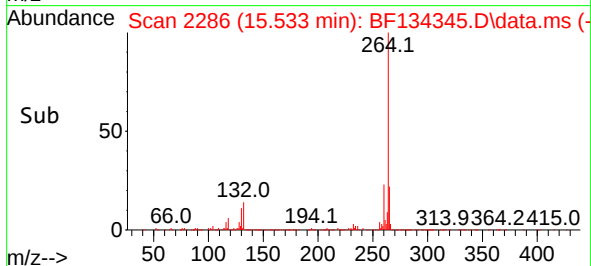
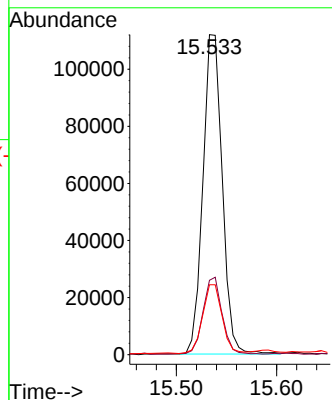
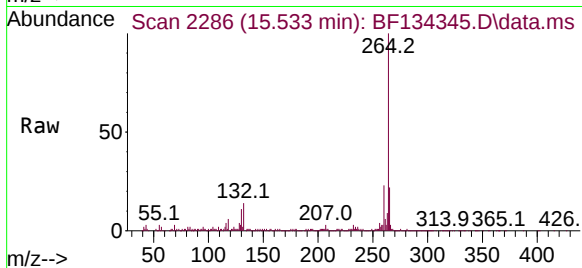
Tgt Ion:264 Resp: 150656

Ion Ratio Lower Upper

264 100

260 23.3 19.5 29.3

265 21.9 16.6 25.0



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.316 ng

RT: 17.080 min Scan# 2549

Delta R.T. -0.018 min

Lab File: BF134345.D

Acq: 18 Jul 2023 19:11

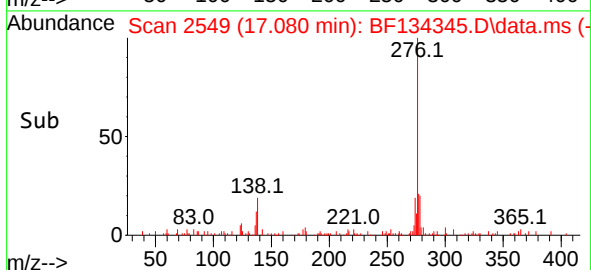
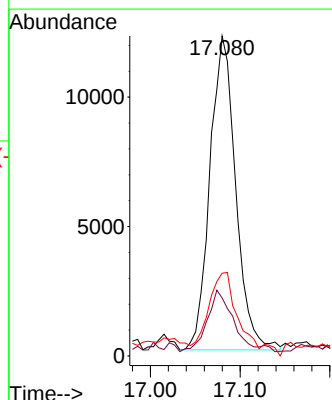
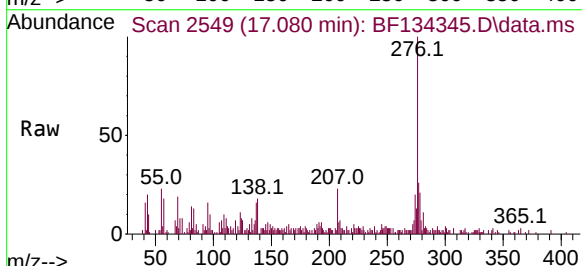
Tgt Ion:276 Resp: 24211

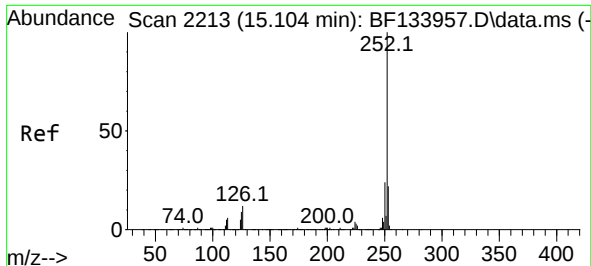
Ion Ratio Lower Upper

276 100

138 19.9 18.7 28.1

277 32.0 19.9 29.9#

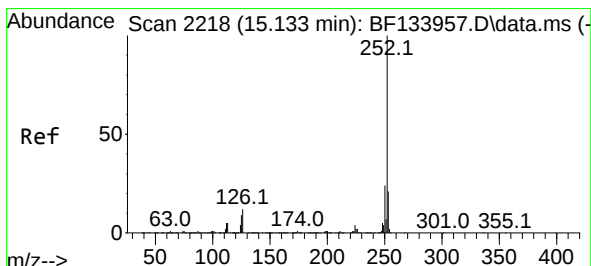
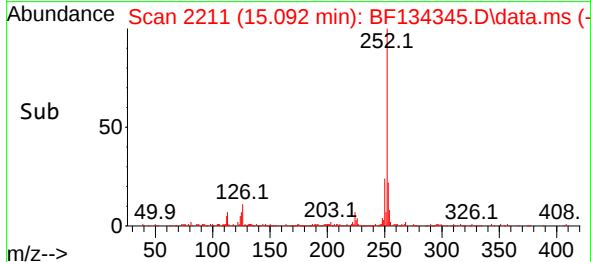
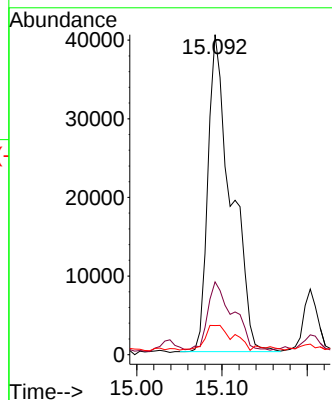
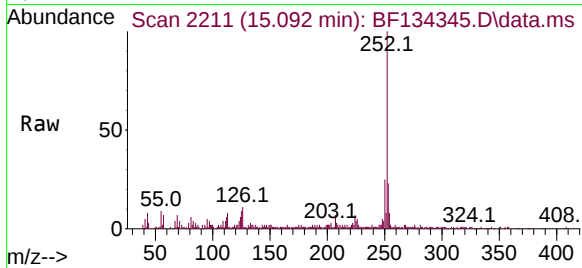




#88
Benzo(b)fluoranthene
Concen: 8.619 ng
RT: 15.092 min Scan# 2211
Delta R.T. -0.012 min
Lab File: BF134345.D
Acq: 18 Jul 2023 19:11

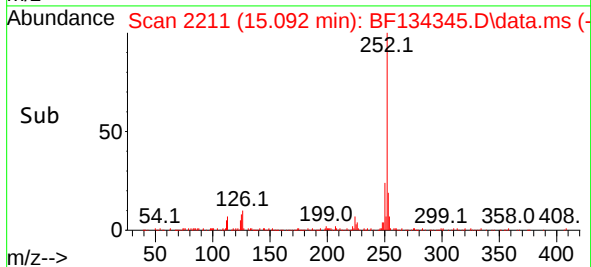
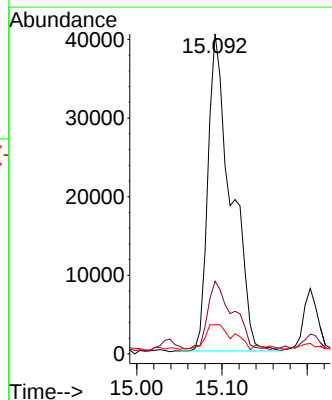
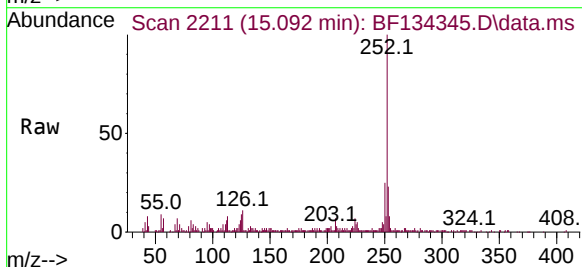
Instrument :
BNA_F
ClientSampleId :
RB-42-(1-3)

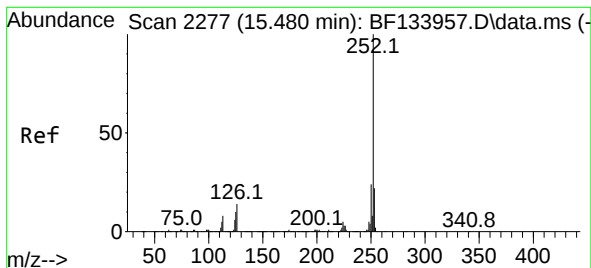
Tgt Ion:252 Resp: 76351
Ion Ratio Lower Upper
252 100
253 22.7 17.4 26.0
125 9.1 7.1 10.7



#89
Benzo(k)fluoranthene
Concen: 8.465 ng
RT: 15.092 min Scan# 2211
Delta R.T. -0.041 min
Lab File: BF134345.D
Acq: 18 Jul 2023 19:11

Tgt Ion:252 Resp: 76351
Ion Ratio Lower Upper
252 100
253 22.7 16.9 25.3
125 9.1 7.4 11.2





#90

Benzo(a)pyrene

Concen: 4.809 ng

RT: 15.468 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF134345.D

Acq: 18 Jul 2023 19:11

Instrument :

BNA_F

ClientSampleId :

RB-42-(1-3)

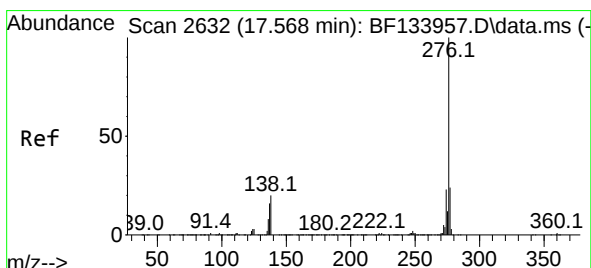
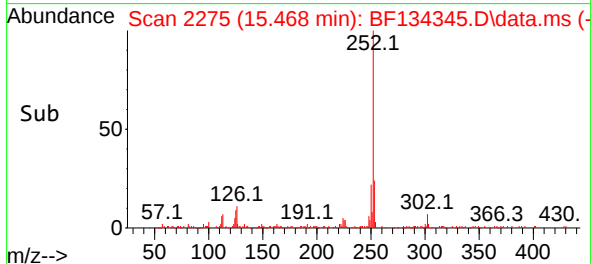
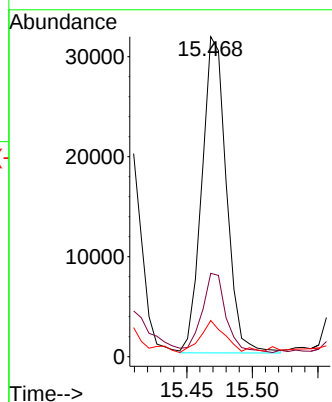
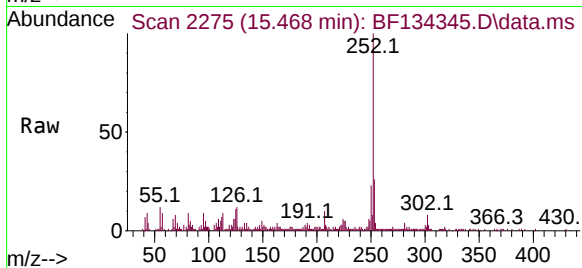
Tgt Ion:252 Resp: 41199

Ion Ratio Lower Upper

252 100

253 26.1 17.4 26.0#

125 11.3 8.4 12.6



#92

Benzo(g,h,i)perylene

Concen: 2.835 ng

RT: 17.556 min Scan# 2630

Delta R.T. -0.012 min

Lab File: BF134345.D

Acq: 18 Jul 2023 19:11

Tgt Ion:276 Resp: 24966

Ion Ratio Lower Upper

276 100

277 23.3 19.0 28.6

138 11.7 16.2 24.2#

