

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF010625\
 Data File : BF141077.D
 Acq On : 06 Jan 2025 15:45
 Operator : RC/JU
 Sample : Q1010-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TR-04-010325

Quant Time: Jan 06 16:07:42 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 27 00:31:16 2024
 Response via : Initial Calibration

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

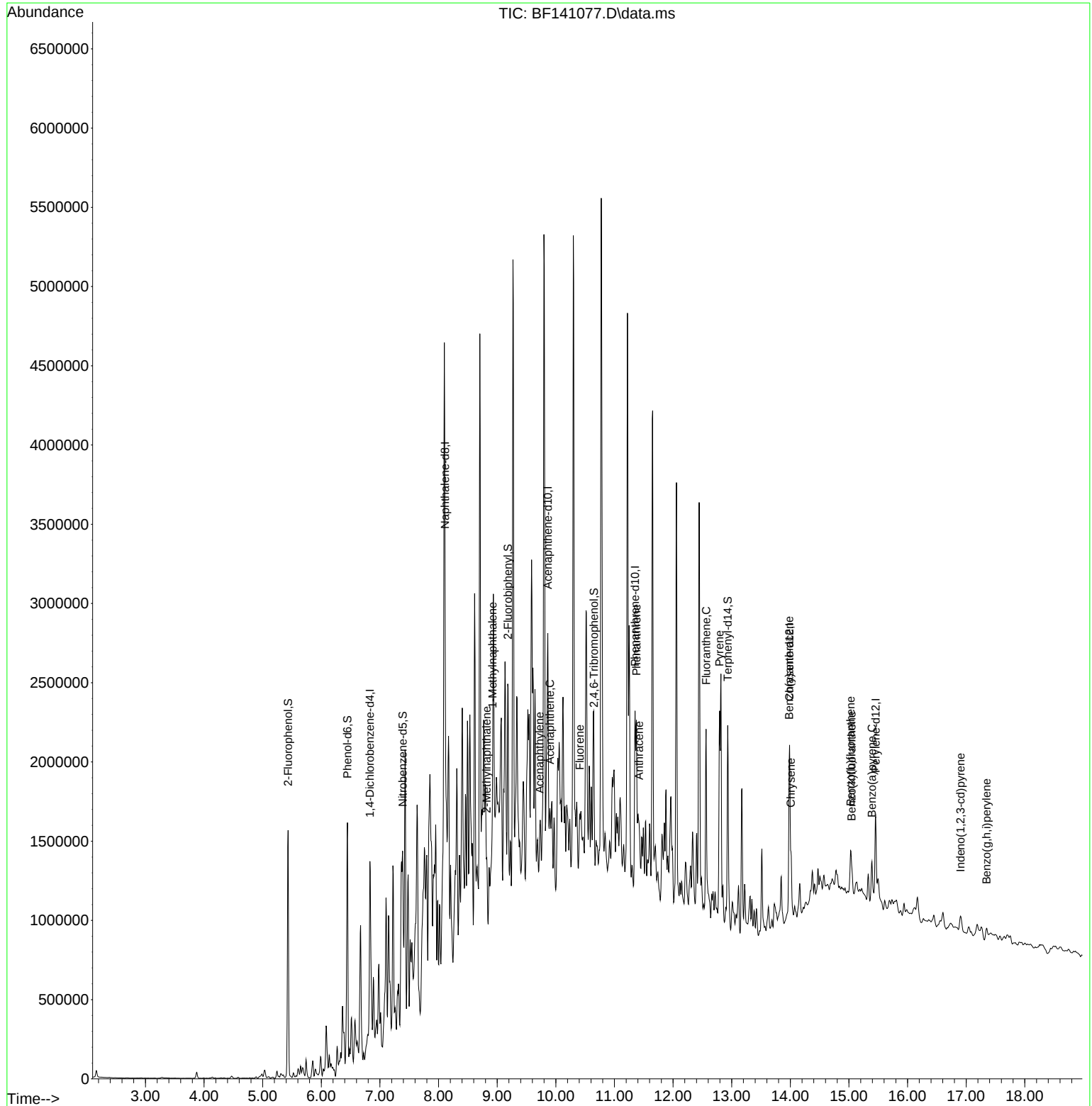
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.828	152	219512	20.000	ng	0.00
21) Naphthalene-d8	8.110	136	722699	20.000	ng	# 0.00
39) Acenaphthene-d10	9.863	164	327345	20.000	ng	0.00
64) Phenanthrene-d10	11.351	188	544550	20.000	ng	0.00
76) Chrysene-d12	13.986	240	377518	20.000	ng	0.00
86) Perylene-d12	15.457	264	312882	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.434	112	579491	39.793	ng	0.00
7) Phenol-d6	6.445	99	680827	36.292	ng	0.00
23) Nitrobenzene-d5	7.387	82	397722	35.209	ng	0.00
42) 2,4,6-Tribromophenol	10.651	330	126454	39.755	ng	0.00
45) 2-Fluorobiphenyl	9.181	172	568074	27.649	ng	0.00
79) Terphenyl-d14	12.933	244	555710	24.450	ng	0.00
Target Compounds						Qvalue
37) 2-Methylnaphthalene	8.822	142	129064	5.298	ng	98
38) 1-Methylnaphthalene	8.922	142	104108	4.348	ng	90
49) Acenaphthylene	9.722	152	72924	2.606	ng	# 83
52) Acenaphthene	9.898	154	42794	2.262	ng	# 81
58) Fluorene	10.410	166	91022	4.415	ng	# 89
71) Phenanthrene	11.375	178	518506	18.092	ng	99
72) Anthracene	11.422	178	134431m	4.787	ng	
75) Fluoranthene	12.563	202	637582	20.512	ng	98
78) Pyrene	12.792	202	744460	22.548	ng	99
81) Benzo(a)anthracene	13.980	228	266522	10.130	ng	# 89
83) Chrysene	14.010	228	213800	9.014	ng	# 94
87) Indeno(1,2,3-cd)pyrene	16.904	276	74443m	3.776	ng	
88) Benzo(b)fluoranthene	15.027	252	192406m	8.817	ng	
89) Benzo(k)fluoranthene	15.045	252	74194m	4.338	ng	
90) Benzo(a)pyrene	15.392	252	157281	9.286	ng	# 91
92) Benzo(g,h,i)perylene	17.345	276	74378	4.488	ng	# 93

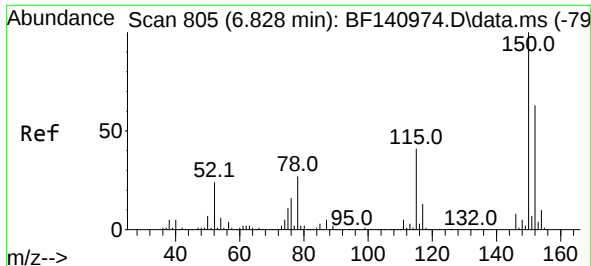
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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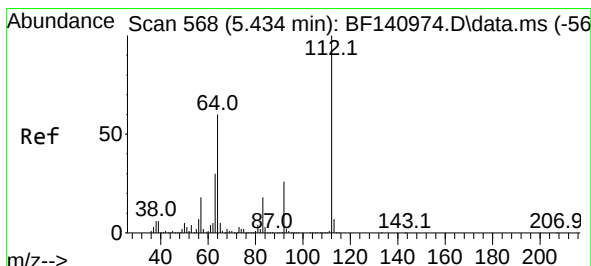
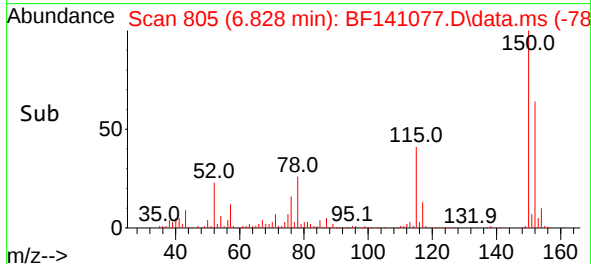
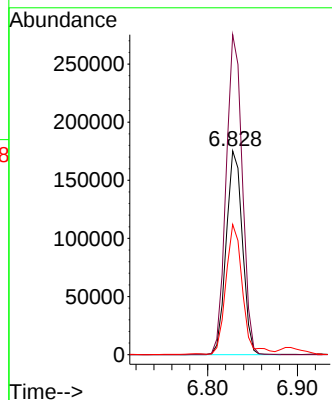
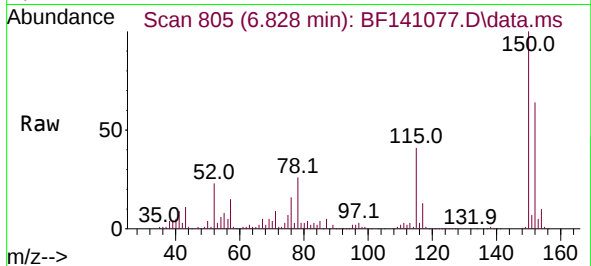




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.828 min Scan# 805
 Delta R.T. -0.000 min
 Lab File: BF141077.D
 Acq: 06 Jan 2025 15:45

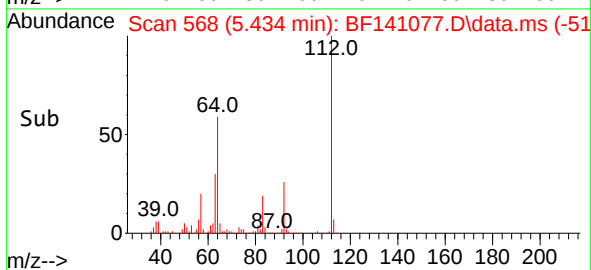
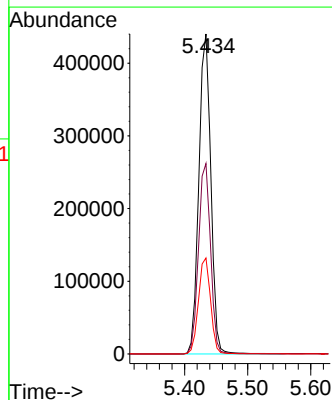
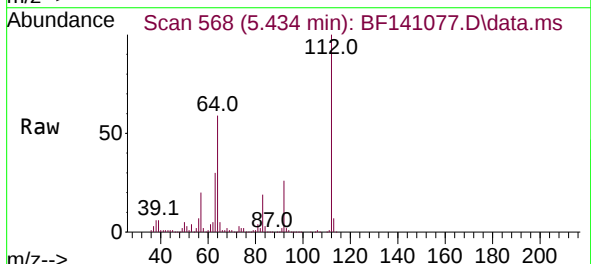
Instrument :
 BNA_F
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 TR-04-010325

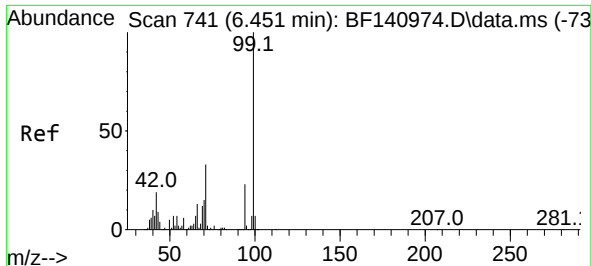
Tgt Ion:152 Resp: 219512
 Ion Ratio Lower Upper
 152 100
 150 157.0 127.0 190.6
 115 63.9 51.7 77.5



#5
 2-Fluorophenol
 Concen: 39.793 ng
 RT: 5.434 min Scan# 568
 Delta R.T. 0.000 min
 Lab File: BF141077.D
 Acq: 06 Jan 2025 15:45

Tgt Ion:112 Resp: 579491
 Ion Ratio Lower Upper
 112 100
 64 59.5 47.7 71.5
 63 30.0 24.2 36.2

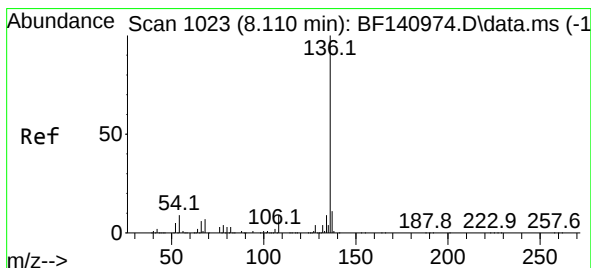
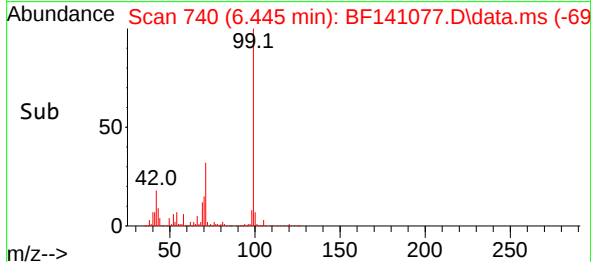
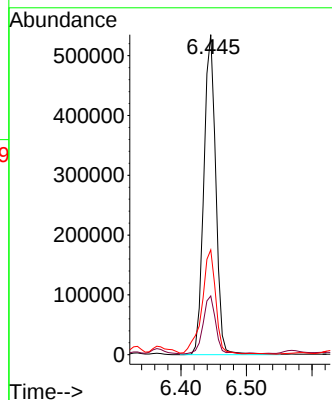
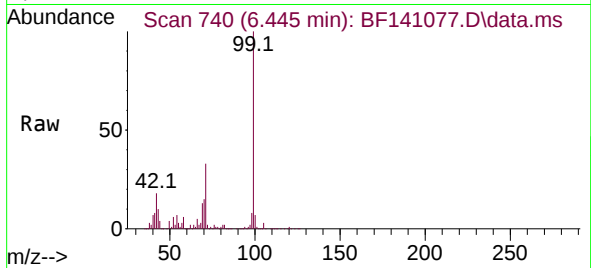




#7
Phenol-d6
Concen: 36.292 ng
RT: 6.445 min Scan# 741
Delta R.T. -0.006 min
Lab File: BF141077.D
Acq: 06 Jan 2025 15:45

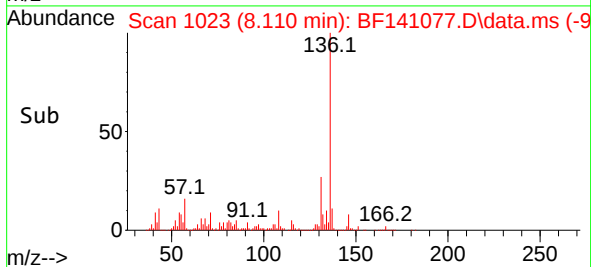
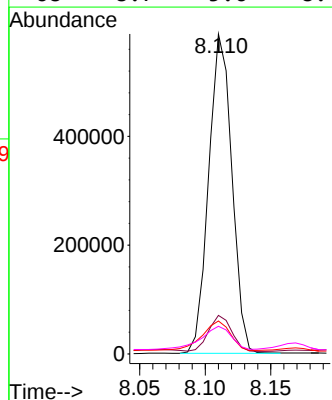
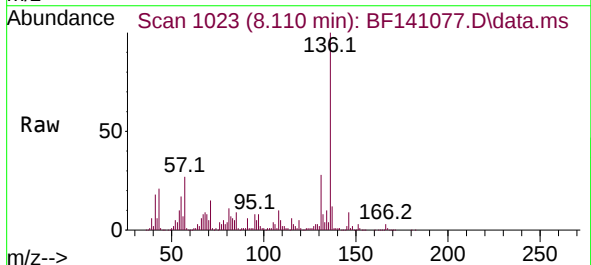
Instrument :
BNA_F
ClientSampleId :
TR-04-010325

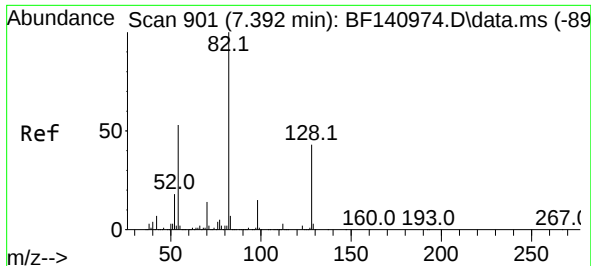
Tgt Ion: 99 Resp: 680827
Ion Ratio Lower Upper
99 100
42 18.4 15.0 22.4
71 32.8 26.2 39.2



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.110 min Scan# 1023
Delta R.T. 0.000 min
Lab File: BF141077.D
Acq: 06 Jan 2025 15:45

Tgt Ion: 136 Resp: 722699
Ion Ratio Lower Upper
136 100
137 12.1 9.0 13.4
54 10.3 7.6 11.4
68 8.7 5.6 8.4#





#23

Nitrobenzene-d5

Concen: 35.209 ng

RT: 7.387 min Scan# 901

Delta R.T. -0.006 min

Lab File: BF141077.D

Acq: 06 Jan 2025 15:45

Instrument :

BNA_F

ClientSampleId :

TR-04-010325

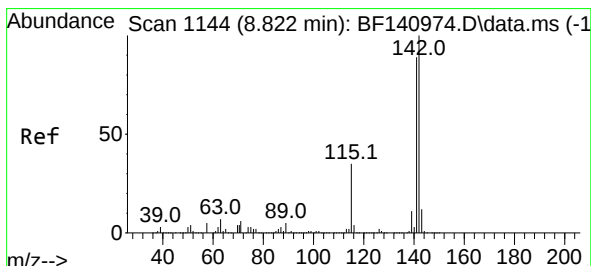
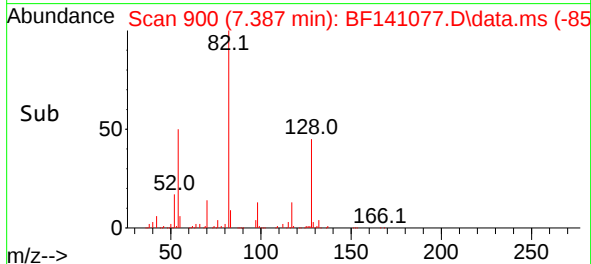
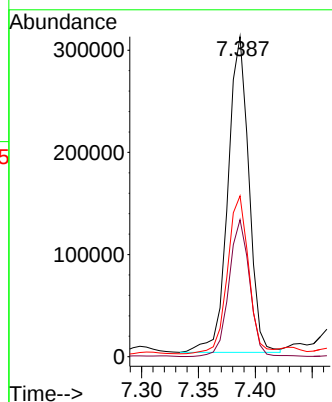
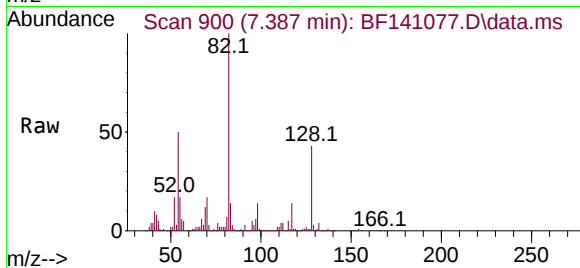
Tgt Ion: 82 Resp: 397722

Ion Ratio Lower Upper

82 100

128 42.8 34.4 51.6

54 50.3 42.4 63.6



#37

2-Methylnaphthalene

Concen: 5.298 ng

RT: 8.822 min Scan# 1144

Delta R.T. 0.000 min

Lab File: BF141077.D

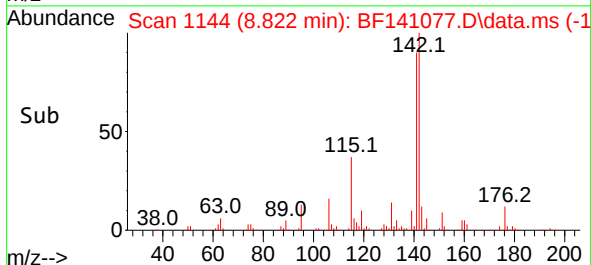
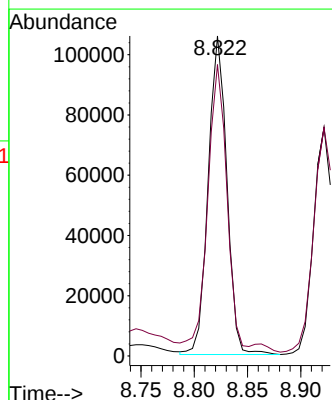
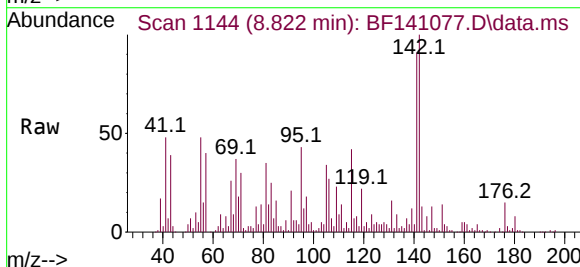
Acq: 06 Jan 2025 15:45

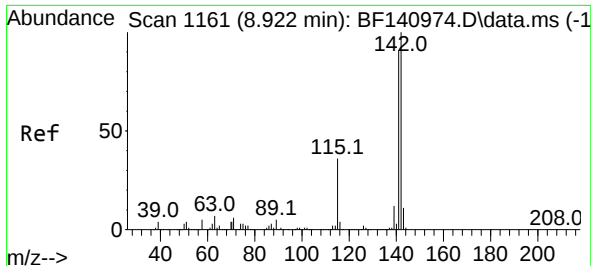
Tgt Ion: 142 Resp: 129064

Ion Ratio Lower Upper

142 100

141 91.0 71.1 106.7

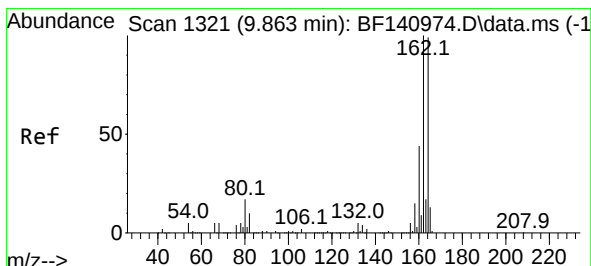
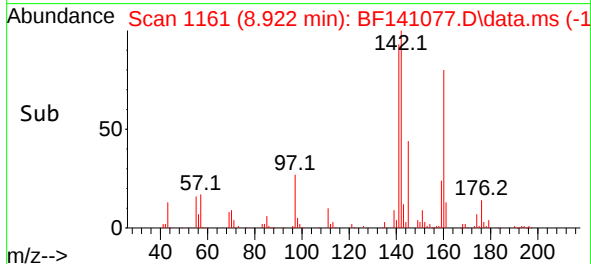
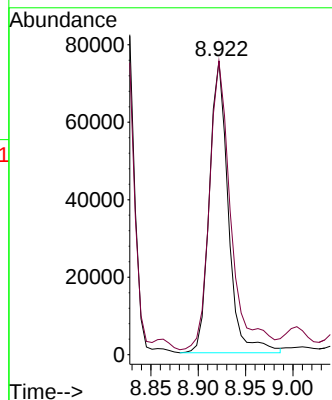
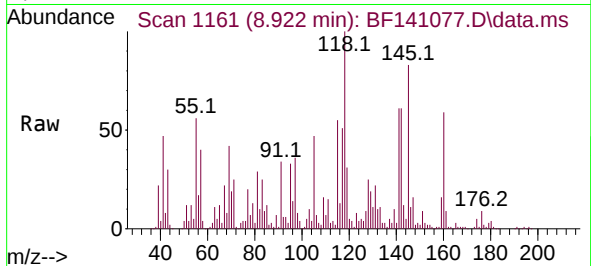




#38
1-Methylnaphthalene
Concen: 4.348 ng
RT: 8.922 min Scan# 1161
Delta R.T. 0.000 min
Lab File: BF141077.D
Acq: 06 Jan 2025 15:45

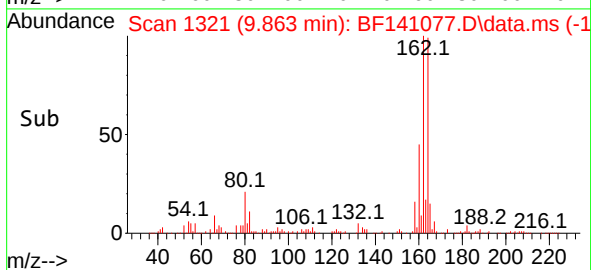
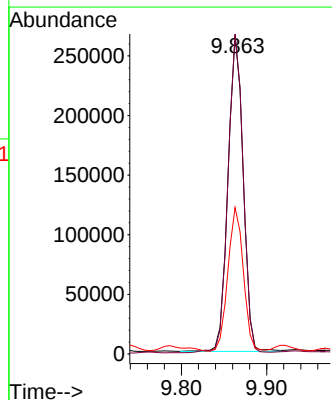
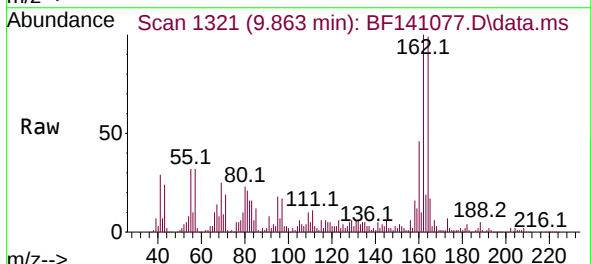
Instrument :
BNA_F
ClientSampleId :
TR-04-010325

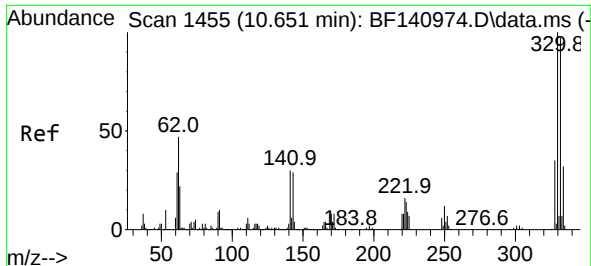
Tgt Ion:142 Resp: 104108
Ion Ratio Lower Upper
142 100
141 99.9 72.7 109.1



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.863 min Scan# 1321
Delta R.T. 0.000 min
Lab File: BF141077.D
Acq: 06 Jan 2025 15:45

Tgt Ion:164 Resp: 327345
Ion Ratio Lower Upper
164 100
162 100.5 80.6 120.8
160 46.0 35.7 53.5





#42

2,4,6-Tribromophenol

Concen: 39.755 ng

RT: 10.651 min Scan# 1455

Delta R.T. 0.000 min

Lab File: BF141077.D

Acq: 06 Jan 2025 15:45

Instrument :

BNA_F

ClientSampleId :

TR-04-010325

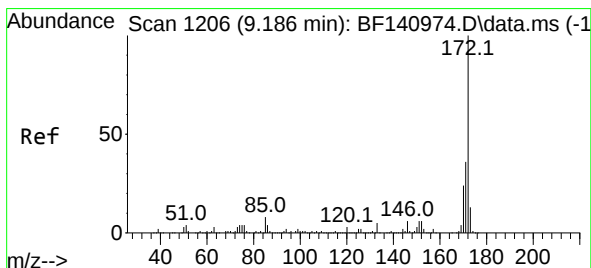
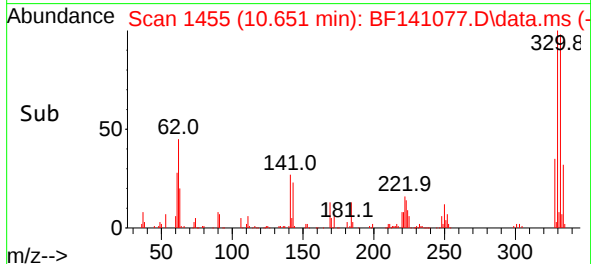
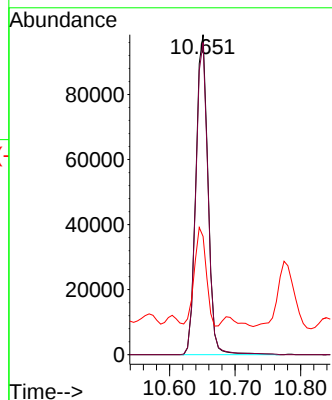
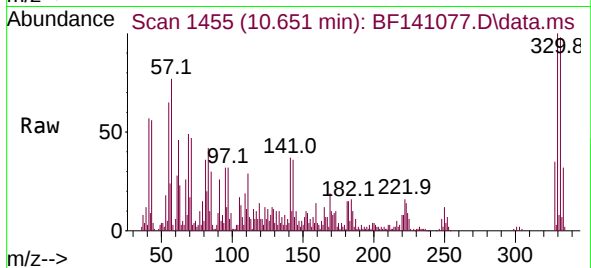
Tgt Ion:330 Resp: 126454

Ion Ratio Lower Upper

330 100

332 98.1 78.0 117.0

141 29.7 26.4 39.6



#45

2-Fluorobiphenyl

Concen: 27.649 ng

RT: 9.181 min Scan# 1205

Delta R.T. -0.006 min

Lab File: BF141077.D

Acq: 06 Jan 2025 15:45

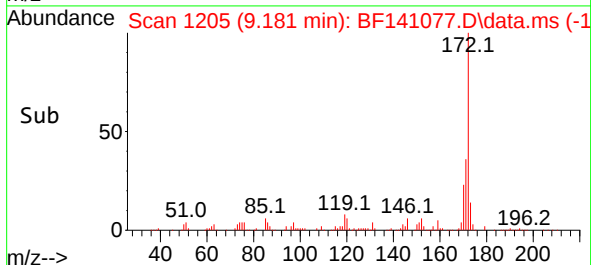
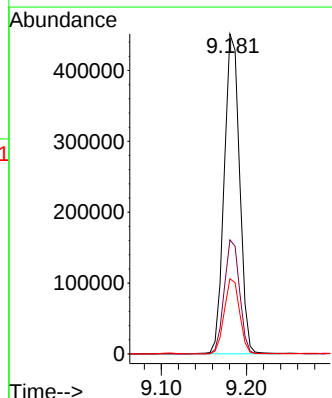
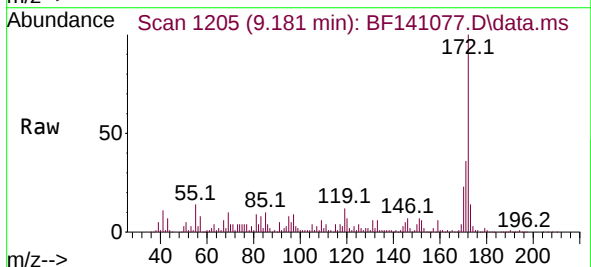
Tgt Ion:172 Resp: 568074

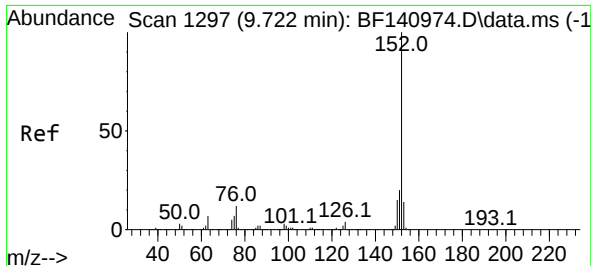
Ion Ratio Lower Upper

172 100

171 35.7 29.0 43.4

170 23.5 19.6 29.4

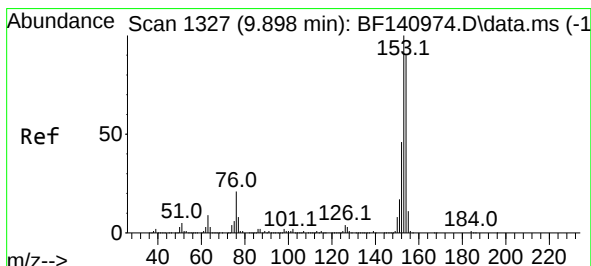
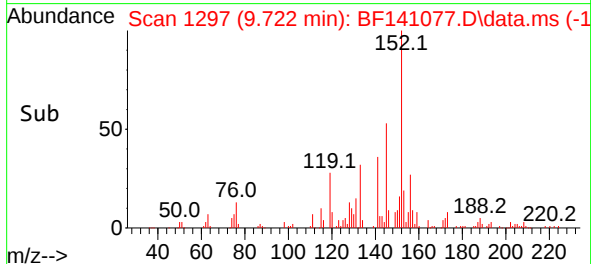
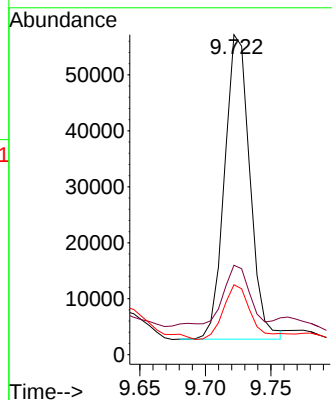
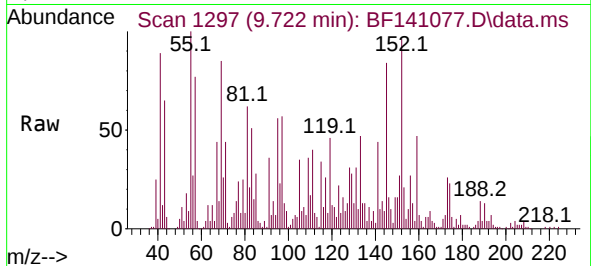




#49
Acenaphthylene
Concen: 2.606 ng
RT: 9.722 min Scan# 1297
Delta R.T. -0.000 min
Lab File: BF141077.D
Acq: 06 Jan 2025 15:45

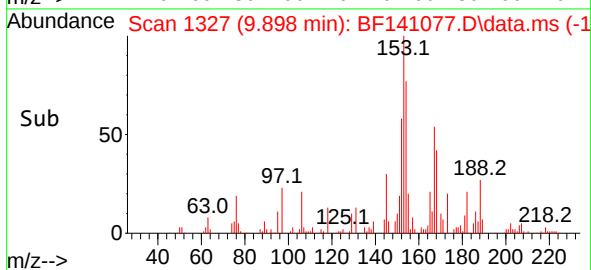
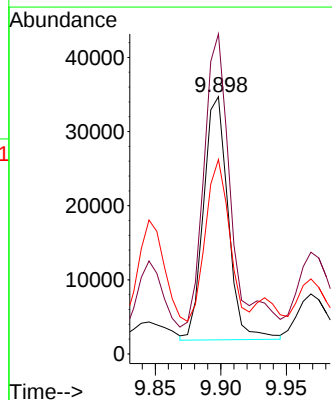
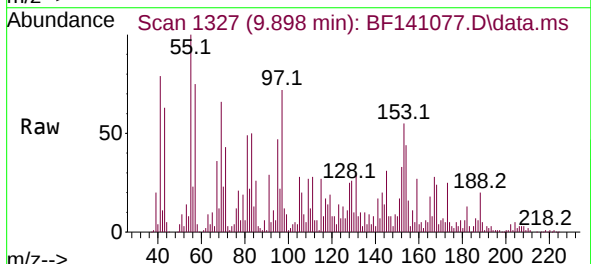
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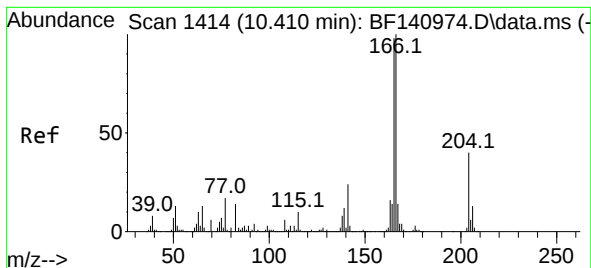
Tgt Ion:152 Resp: 72924
Ion Ratio Lower Upper
152 100
151 28.0 16.2 24.4#
153 21.9 11.4 17.0#



#52
Acenaphthene
Concen: 2.262 ng
RT: 9.898 min Scan# 1327
Delta R.T. 0.000 min
Lab File: BF141077.D
Acq: 06 Jan 2025 15:45

Tgt Ion:154 Resp: 42794
Ion Ratio Lower Upper
154 100
153 124.4 89.2 133.8
152 75.6 40.9 61.3#





#58

Fluorene

Concen: 4.415 ng

RT: 10.410 min Scan# 1414

Delta R.T. 0.000 min

Lab File: BF141077.D

Acq: 06 Jan 2025 15:45

Instrument :

BNA_F

ClientSampleId :

TR-04-010325

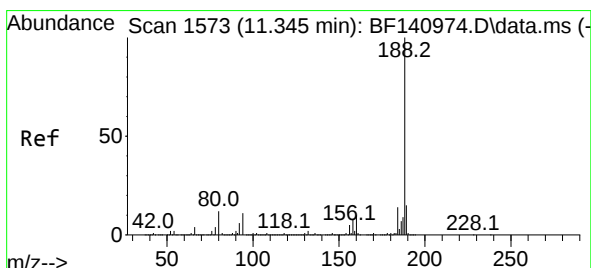
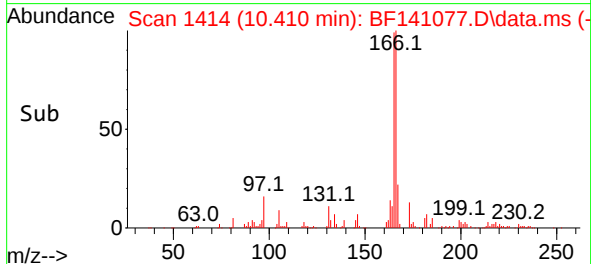
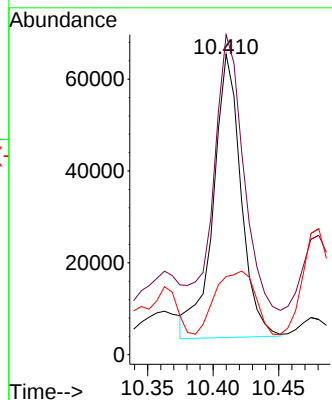
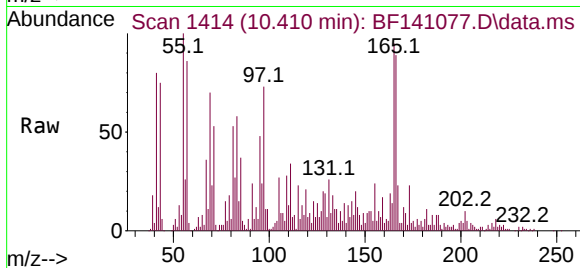
Tgt Ion:166 Resp: 91022

Ion Ratio Lower Upper

166 100

165 106.5 78.3 117.5

167 26.0 10.9 16.3#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.351 min Scan# 1574

Delta R.T. 0.006 min

Lab File: BF141077.D

Acq: 06 Jan 2025 15:45

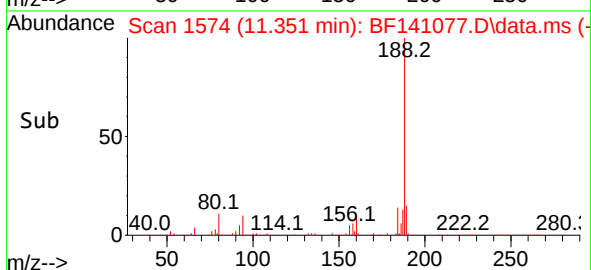
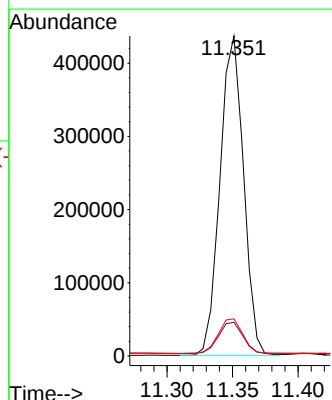
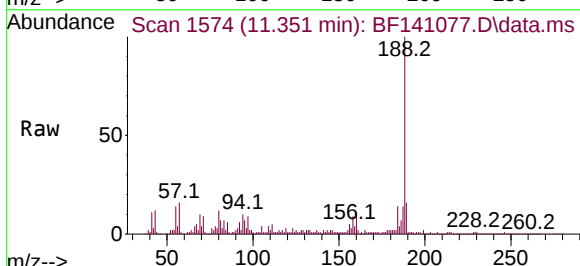
Tgt Ion:188 Resp: 544550

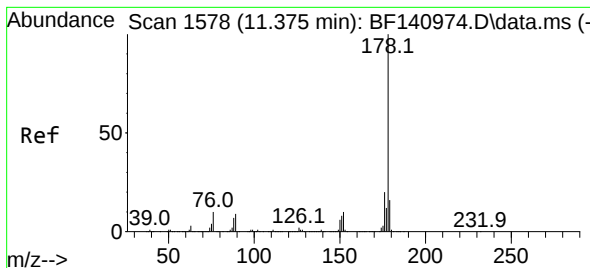
Ion Ratio Lower Upper

188 100

94 10.5 9.0 13.6

80 11.6 9.8 14.6





#71

Phenanthrene

Concen: 18.092 ng

RT: 11.375 min Scan# 1578

Delta R.T. 0.000 min

Lab File: BF141077.D

Acq: 06 Jan 2025 15:45

Instrument :

BNA_F

ClientSampleId :

TR-04-010325

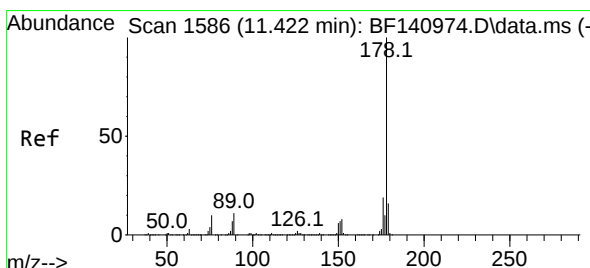
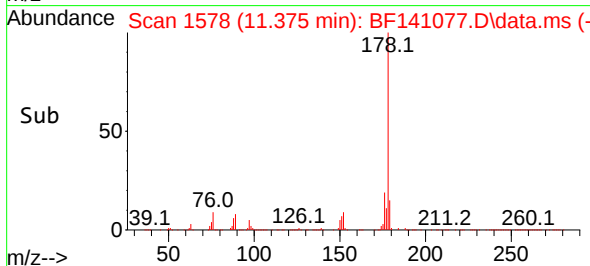
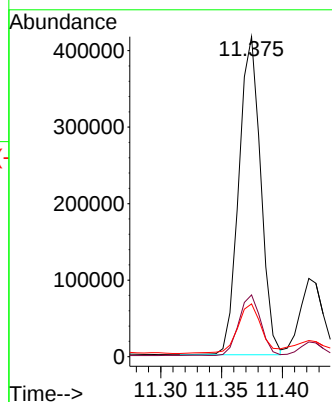
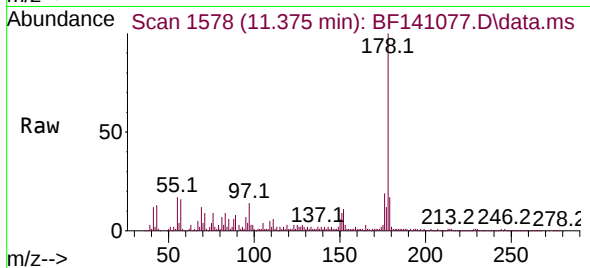
Tgt Ion:178 Resp: 518506

Ion Ratio Lower Upper

178 100

176 19.3 15.8 23.6

179 16.5 12.6 19.0



#72

Anthracene

Concen: 4.787 ng m

RT: 11.422 min Scan# 1586

Delta R.T. 0.000 min

Lab File: BF141077.D

Acq: 06 Jan 2025 15:45

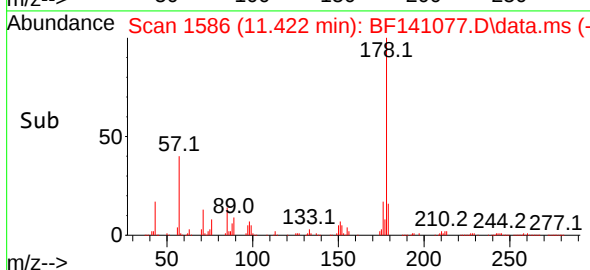
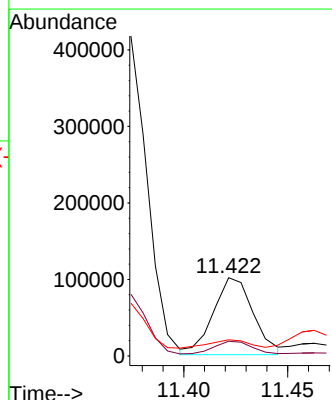
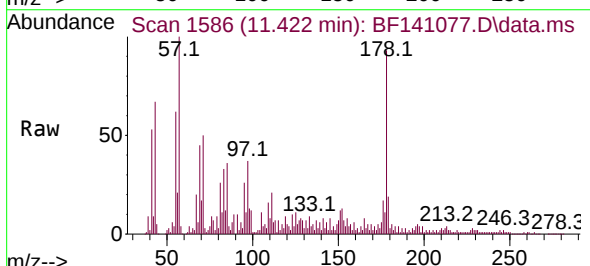
Tgt Ion:178 Resp: 134431

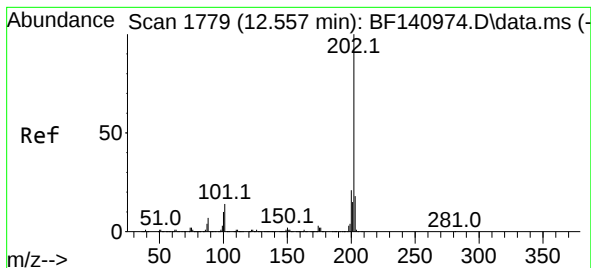
Ion Ratio Lower Upper

178 100

176 18.8 15.3 22.9

179 20.6 12.9 19.3#





#75

Fluoranthene

Concen: 20.512 ng

RT: 12.563 min Scan# 11

Delta R.T. 0.006 min

Lab File: BF141077.D

Acq: 06 Jan 2025 15:45

Instrument :

BNA_F

ClientSampleId :

TR-04-010325

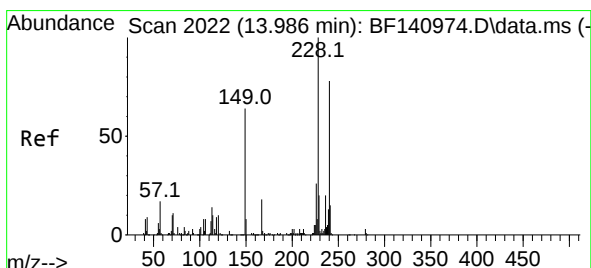
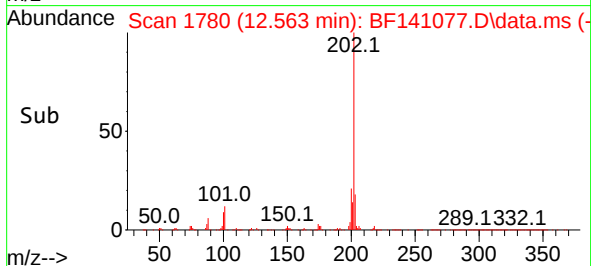
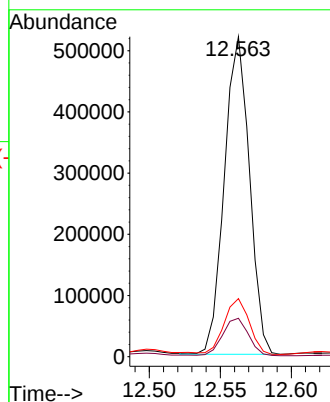
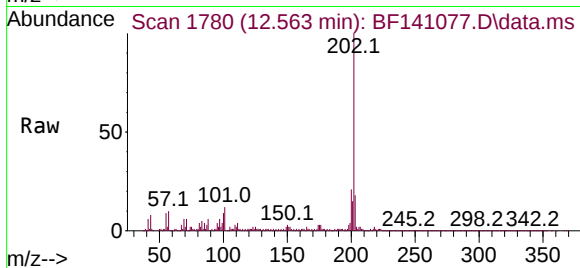
Tgt Ion:202 Resp: 637582

Ion Ratio Lower Upper

202 100

101 12.0 0.0 33.7

203 18.2 0.0 38.1



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.986 min Scan# 2022

Delta R.T. 0.000 min

Lab File: BF141077.D

Acq: 06 Jan 2025 15:45

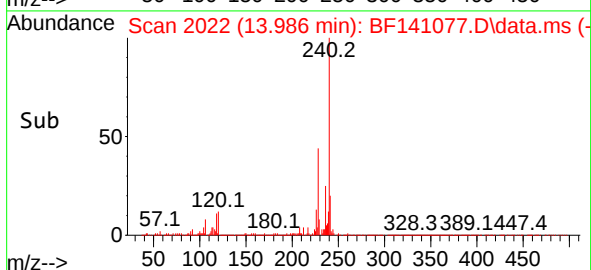
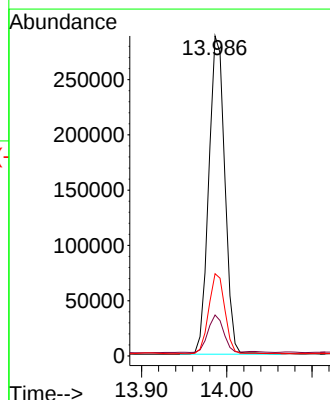
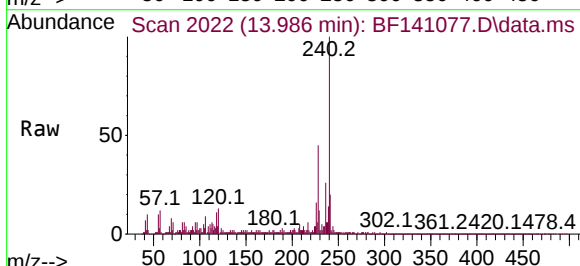
Tgt Ion:240 Resp: 377518

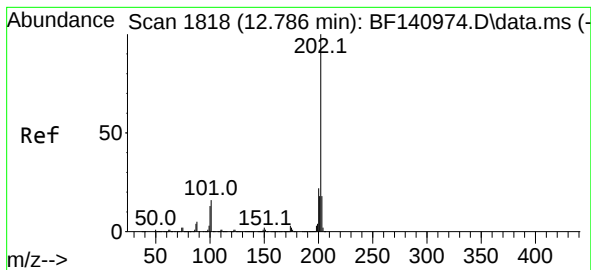
Ion Ratio Lower Upper

240 100

120 12.8 10.7 16.1

236 25.7 20.6 31.0





#78

Pyrene

Concen: 22.548 ng

RT: 12.792 min Scan# 1818

Delta R.T. 0.006 min

Lab File: BF141077.D

Acq: 06 Jan 2025 15:45

Instrument :

BNA_F

ClientSampleId :

TR-04-010325

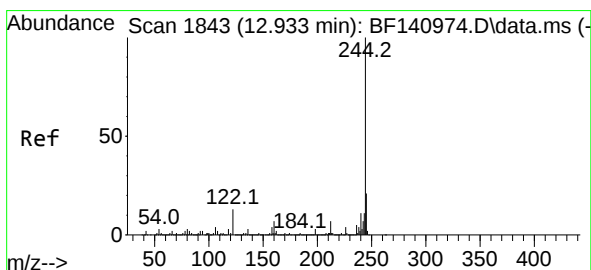
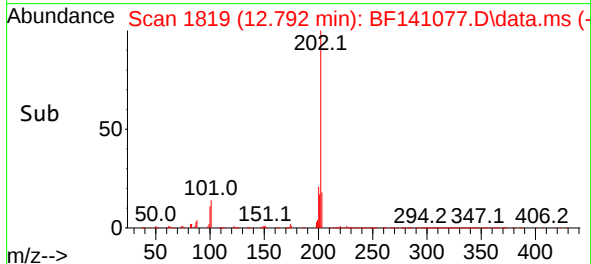
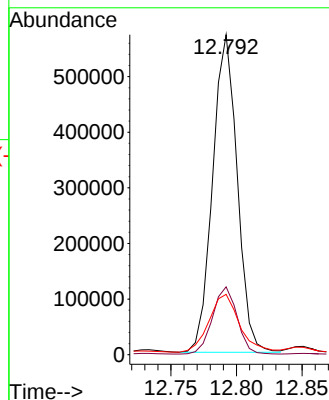
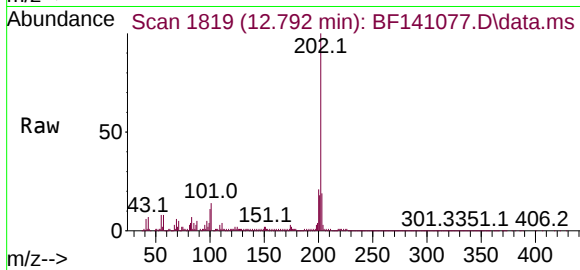
Tgt Ion:202 Resp: 744460

Ion Ratio Lower Upper

202 100

200 21.2 17.3 25.9

203 18.9 14.6 21.8



#79

Terphenyl-d14

Concen: 24.450 ng

RT: 12.933 min Scan# 1843

Delta R.T. 0.000 min

Lab File: BF141077.D

Acq: 06 Jan 2025 15:45

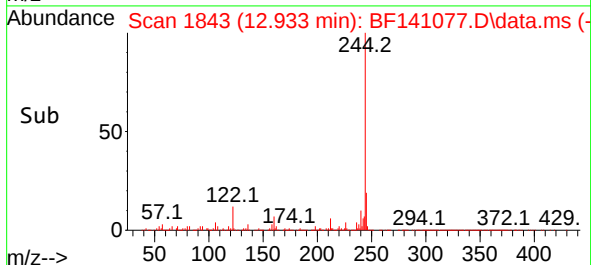
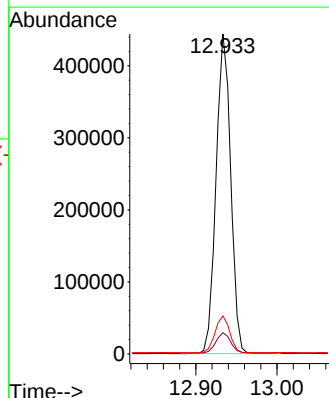
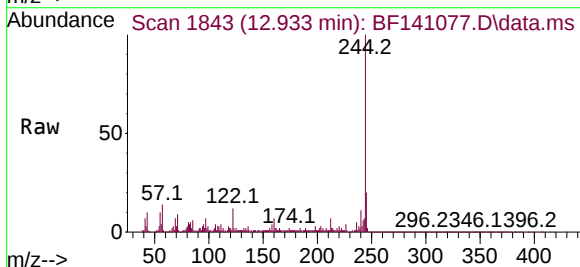
Tgt Ion:244 Resp: 555710

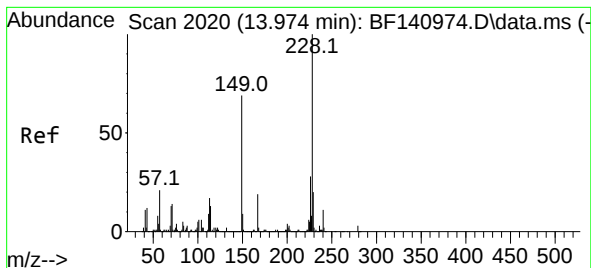
Ion Ratio Lower Upper

244 100

212 6.6 5.7 8.5

122 11.9 10.2 15.2





#81

Benzo(a)anthracene

Concen: 10.130 ng

RT: 13.980 min Scan# 20

Delta R.T. 0.006 min

Lab File: BF141077.D

Acq: 06 Jan 2025 15:45

Instrument :

BNA_F

ClientSampleId :

TR-04-010325

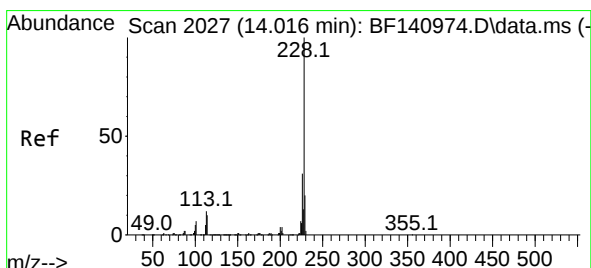
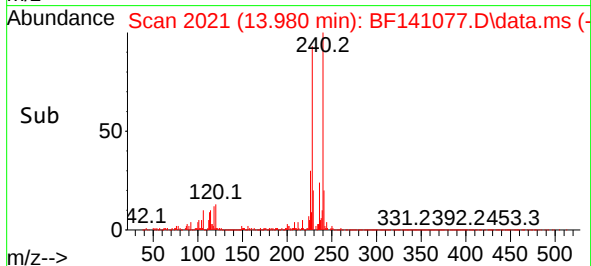
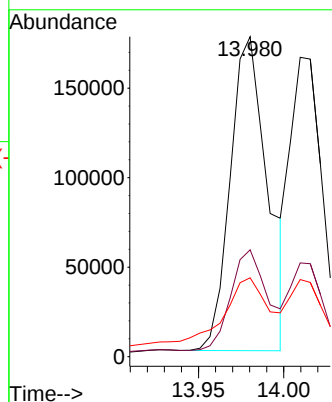
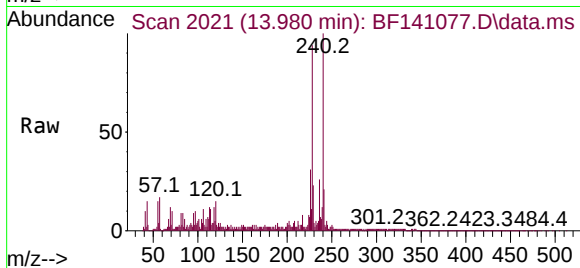
Tgt Ion:228 Resp: 266522

Ion Ratio Lower Upper

228 100

226 33.4 22.1 33.1#

229 24.7 16.2 24.2#



#83

Chrysene

Concen: 9.014 ng

RT: 14.010 min Scan# 2026

Delta R.T. -0.006 min

Lab File: BF141077.D

Acq: 06 Jan 2025 15:45

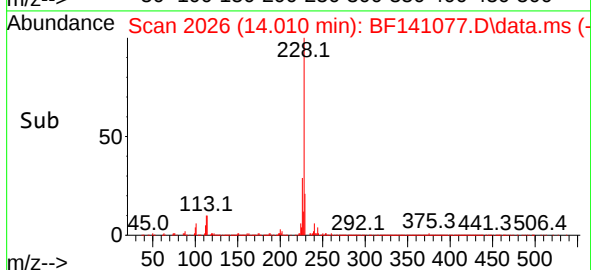
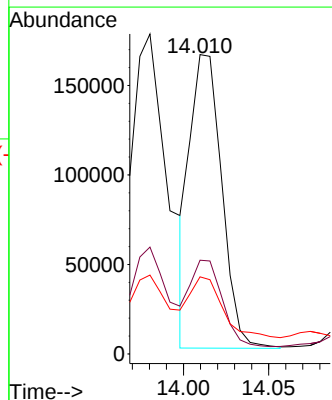
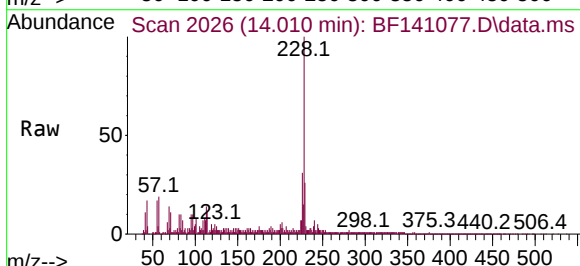
Tgt Ion:228 Resp: 213800

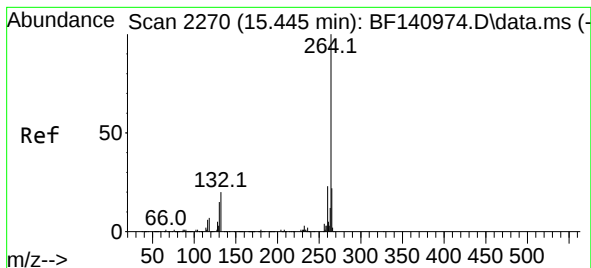
Ion Ratio Lower Upper

228 100

226 31.3 24.5 36.7

229 25.8 16.2 24.4#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.457 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF141077.D

Acq: 06 Jan 2025 15:45

Instrument :

BNA_F

ClientSampleId :

TR-04-010325

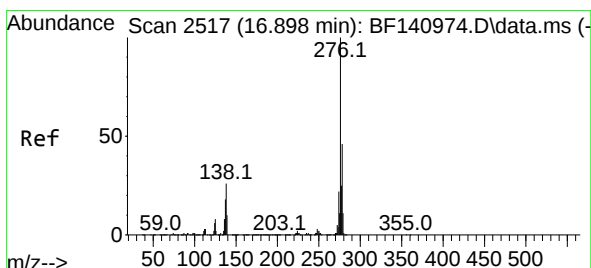
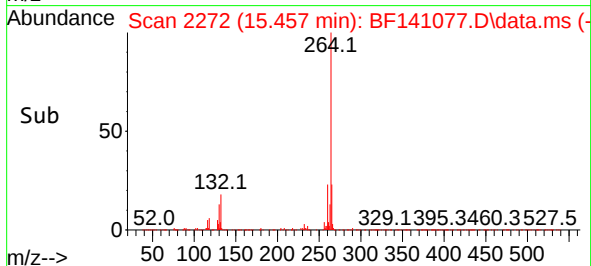
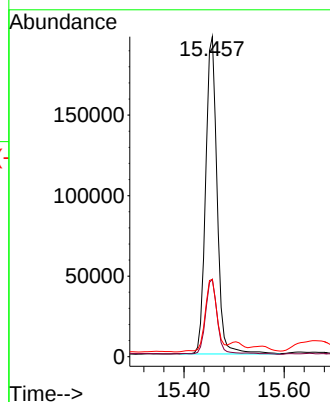
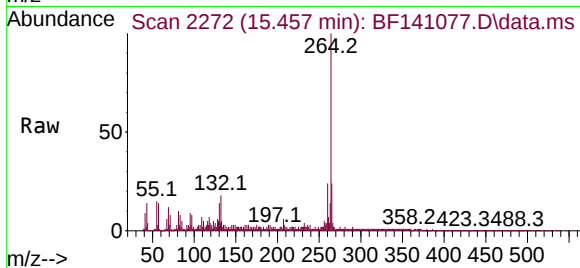
Tgt Ion:264 Resp: 312882

Ion Ratio Lower Upper

264 100

260 24.2 18.7 28.1

265 24.2 17.4 26.2



#87

Indeno(1,2,3-cd)pyrene

Concen: 3.776 ng m

RT: 16.904 min Scan# 2518

Delta R.T. 0.006 min

Lab File: BF141077.D

Acq: 06 Jan 2025 15:45

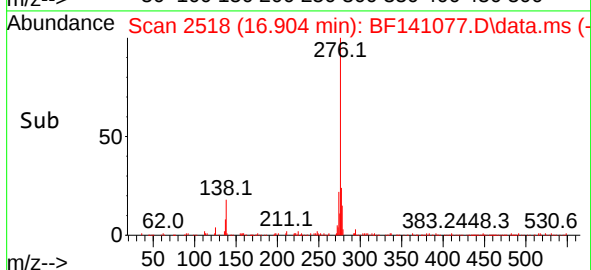
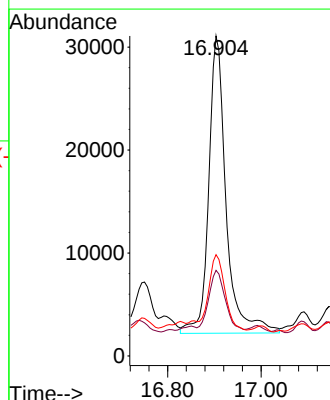
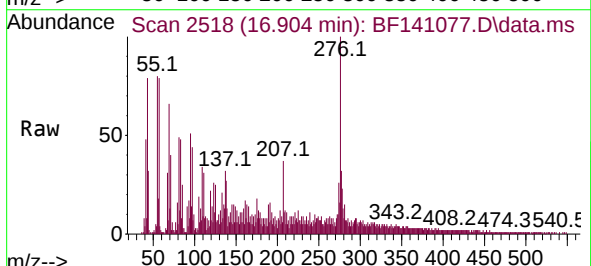
Tgt Ion:276 Resp: 74443

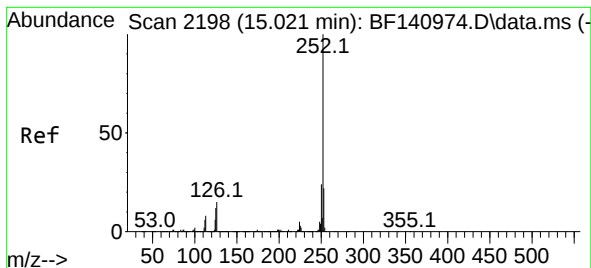
Ion Ratio Lower Upper

276 100

138 4.6 23.1 34.7#

277 4.2 20.4 30.6#





#88

Benzo(b)fluoranthene

Concen: 8.817 ng m

RT: 15.027 min Scan# 2198

Delta R.T. 0.006 min

Lab File: BF141077.D

Acq: 06 Jan 2025 15:45

Instrument :

BNA_F

ClientSampleId :

TR-04-010325

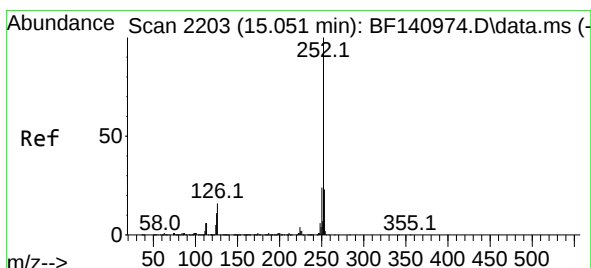
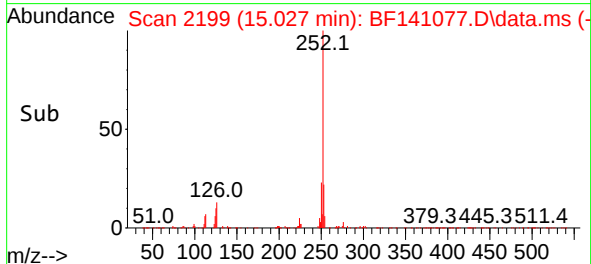
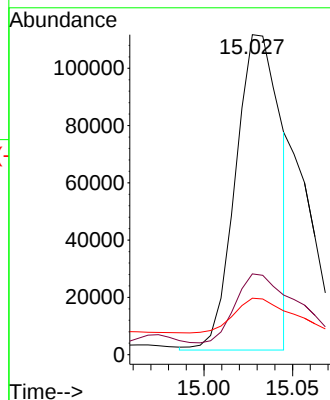
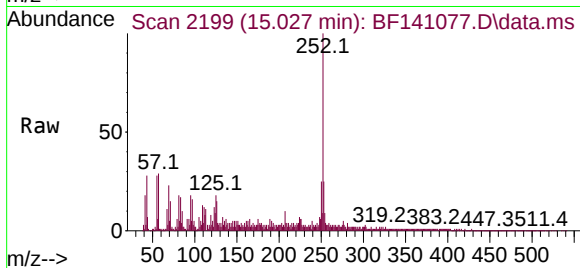
Tgt Ion:252 Resp: 192406

Ion Ratio Lower Upper

252 100

253 25.3 17.7 26.5

125 17.6 9.3 13.9#



#89

Benzo(k)fluoranthene

Concen: 4.338 ng m

RT: 15.045 min Scan# 2202

Delta R.T. -0.006 min

Lab File: BF141077.D

Acq: 06 Jan 2025 15:45

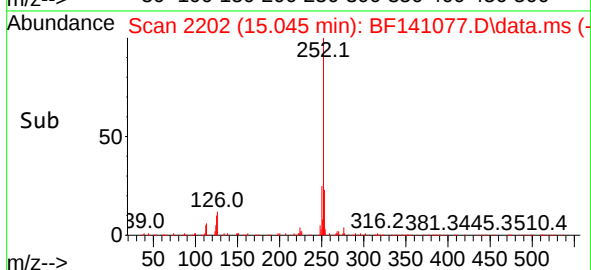
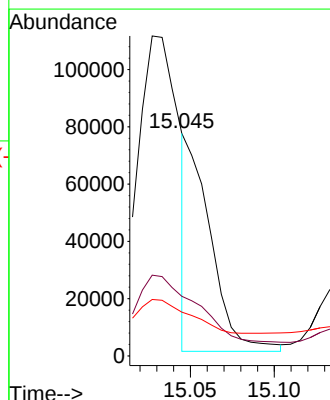
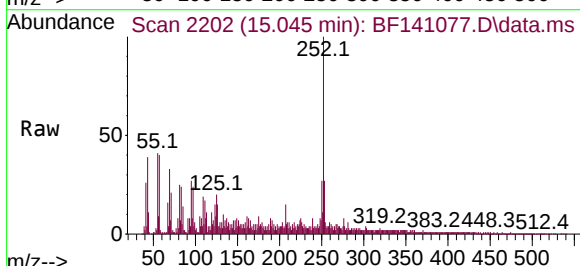
Tgt Ion:252 Resp: 74194

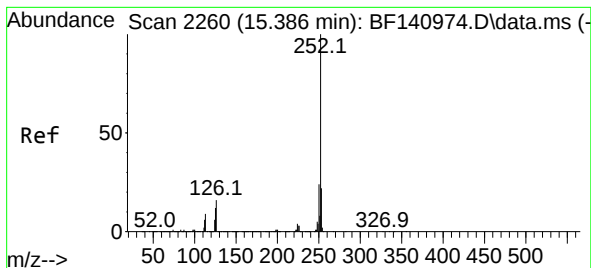
Ion Ratio Lower Upper

252 100

253 26.8 17.8 26.8#

125 19.7 9.4 14.0#





#90

Benzo(a)pyrene

Concen: 9.286 ng

RT: 15.392 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF141077.D

Acq: 06 Jan 2025 15:45

Instrument :

BNA_F

ClientSampleId :

TR-04-010325

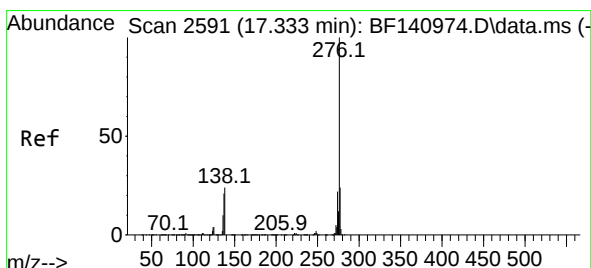
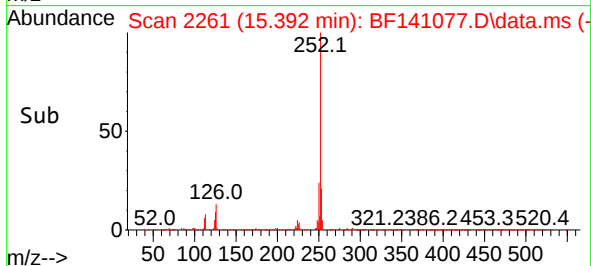
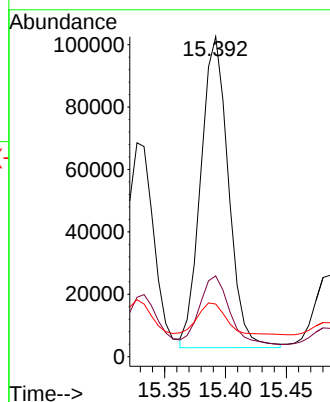
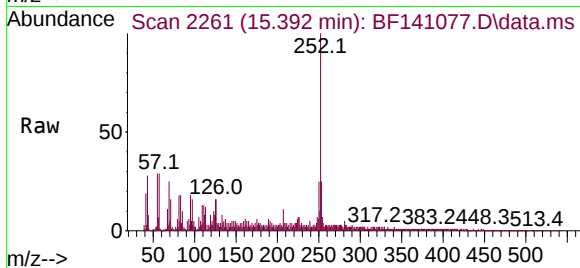
Tgt Ion:252 Resp: 157281

Ion Ratio Lower Upper

252 100

253 25.2 17.2 25.8

125 16.5 9.8 14.8#



#92

Benzo(g,h,i)perylene

Concen: 4.488 ng

RT: 17.345 min Scan# 2593

Delta R.T. 0.012 min

Lab File: BF141077.D

Acq: 06 Jan 2025 15:45

Tgt Ion:276 Resp: 74378

Ion Ratio Lower Upper

276 100

277 28.8 19.0 28.4#

138 26.2 19.4 29.2

