

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020425\
 Data File : BF141424.D
 Acq On : 04 Feb 2025 22:11
 Operator : RC/JU
 Sample : Q1194-03
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B-113-SB01

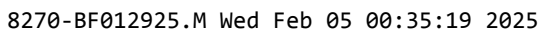
Quant Time: Feb 05 00:35:11 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 29 17:41:25 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.787	152	70324	20.000	ng	-0.02
21) Naphthalene-d8	8.069	136	279899	20.000	ng	#-0.02
39) Acenaphthene-d10	9.822	164	155548	20.000	ng	-0.02
64) Phenanthrene-d10	11.310	188	272951	20.000	ng	-0.02
76) Chrysene-d12	13.951	240	230042	20.000	ng	-0.02
86) Perylene-d12	15.410	264	197101	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.410	112	505129	110.272	ng	0.00
7) Phenol-d6	6.428	99	615541	105.630	ng	-0.01
23) Nitrobenzene-d5	7.351	82	405374	76.349	ng	-0.02
42) 2,4,6-Tribromophenol	10.616	330	152191	106.725	ng	-0.02
45) 2-Fluorobiphenyl	9.145	172	749004	74.116	ng	-0.02
79) Terphenyl-d14	12.904	244	895307	60.021	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.351	70	55626	16.065	ng	# 75
25) Isophorone	7.351	82	401655	43.763	ng	# 64
51) 2,6-Dinitrotoluene	9.822	165	20787	8.522	ng	# 24
52) Acenaphthene	9.857	154	19323	2.044	ng	94
56) 4-Nitrophenol	10.028	139	8787	5.026	ng	# 6
57) 2,4-Dinitrotoluene	9.822	165	20787	6.582	ng	# 23
58) Fluorene	10.375	166	29386	2.993	ng	96
63) Azobenzene	10.539	77	29415	2.885	ng	# 1
67) 4-Bromophenyl-phenylether	10.616	248	10549	3.452	ng	# 1
71) Phenanthrene	11.333	178	314087	21.407	ng	100
72) Anthracene	11.386	178	67226	4.676	ng	99
75) Fluoranthene	12.522	202	228292	15.758	ng	98
78) Pyrene	12.751	202	245180	11.103	ng	98
81) Benzo(a)anthracene	13.945	228	96432	6.075	ng	98
83) Chrysene	13.980	228	76948	5.289	ng	98
88) Benzo(b)fluoranthene	14.992	252	76844	6.198	ng	98
89) Benzo(k)fluoranthene	14.992	252	76844	6.996	ng	98
90) Benzo(a)pyrene	15.345	252	46939	4.480	ng	97
92) Benzo(g,h,i)perylene	17.268	276	22883	2.150	ng	96

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

Quant Time: Feb 05 00:35:11 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration

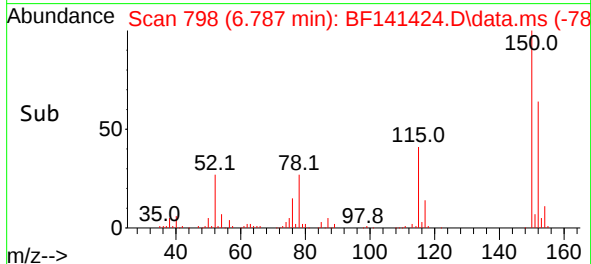
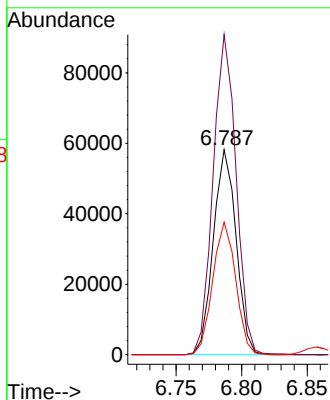
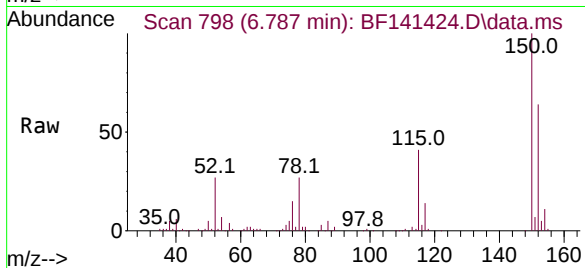




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.787 min Scan# 79
 Delta R.T. -0.017 min
 Lab File: BF141424.D
 Acq: 04 Feb 2025 22:11

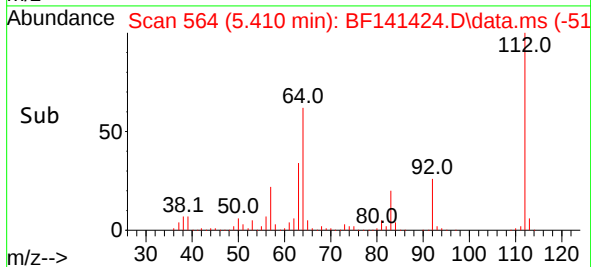
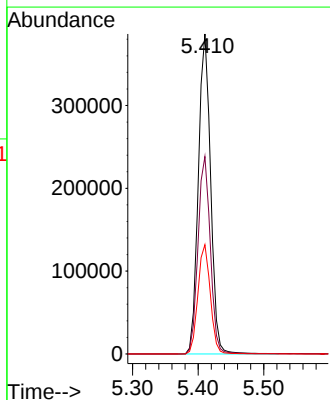
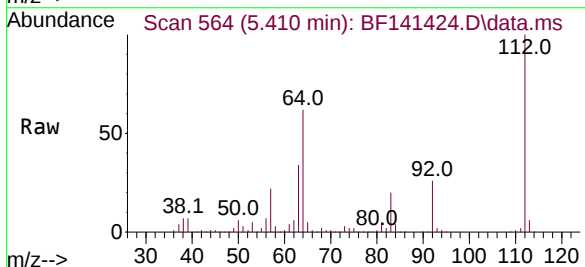
Instrument :
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 B-113-SB01

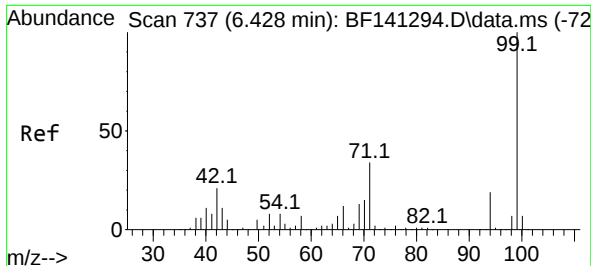
Tgt Ion:152 Resp: 70324
 Ion Ratio Lower Upper
 152 100
 150 156.1 125.9 188.9
 115 64.6 49.7 74.5



#5
 2-Fluorophenol
 Concen: 110.272 ng
 RT: 5.410 min Scan# 564
 Delta R.T. -0.000 min
 Lab File: BF141424.D
 Acq: 04 Feb 2025 22:11

Tgt Ion:112 Resp: 505129
 Ion Ratio Lower Upper
 112 100
 64 61.7 49.8 74.8
 63 34.1 26.1 39.1

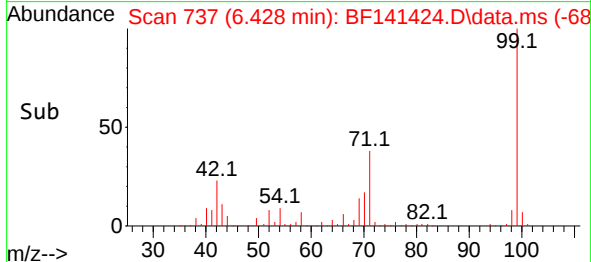
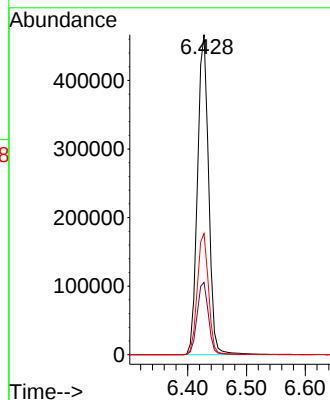
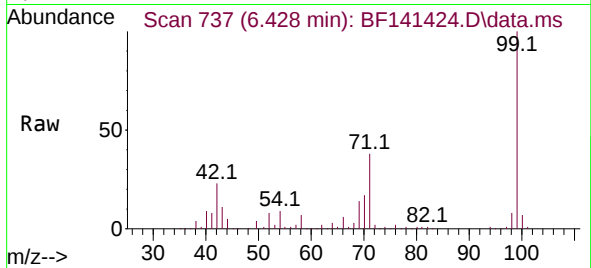




#7
Phenol-d6
Concen: 105.630 ng
RT: 6.428 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF141424.D
Acq: 04 Feb 2025 22:11

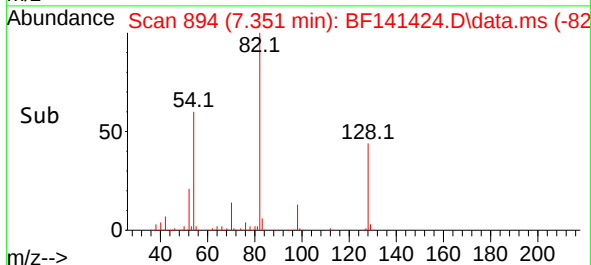
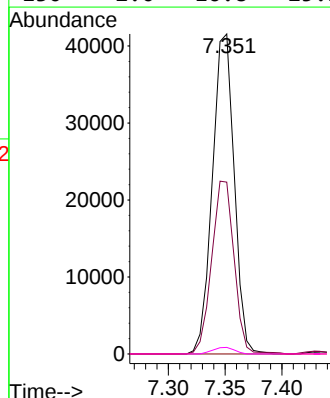
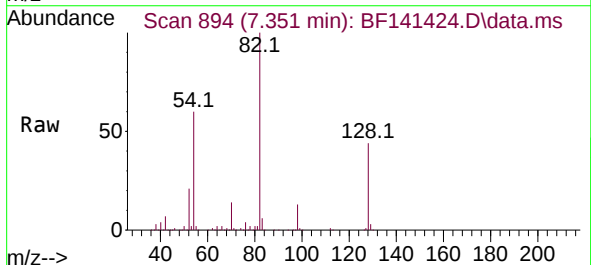
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ClientSampleId :
B-113-SB01

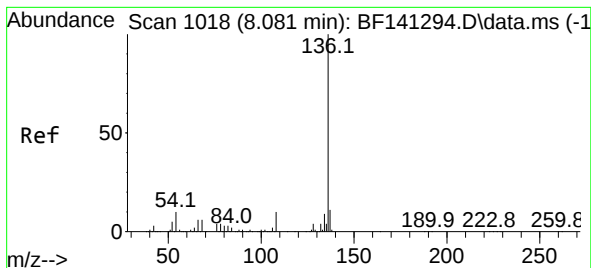
Tgt Ion: 99 Resp: 615541
Ion Ratio Lower Upper
99 100
42 22.6 17.1 25.7
71 37.9 26.9 40.3



#19
n-Nitroso-di-n-propylamine
Concen: 16.065 ng
RT: 7.351 min Scan# 894
Delta R.T. 0.123 min
Lab File: BF141424.D
Acq: 04 Feb 2025 22:11

Tgt Ion: 70 Resp: 55626
Ion Ratio Lower Upper
70 100
42 53.7 56.8 85.2#
101 0.0 7.7 11.5#
130 2.0 16.8 25.2#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.069 min Scan# 1

Delta R.T. -0.018 min

Lab File: BF141424.D

Acq: 04 Feb 2025 22:11

Instrument :

BNA_F

ClientSampleId :

B-113-SB01

Tgt Ion:136 Resp: 279899

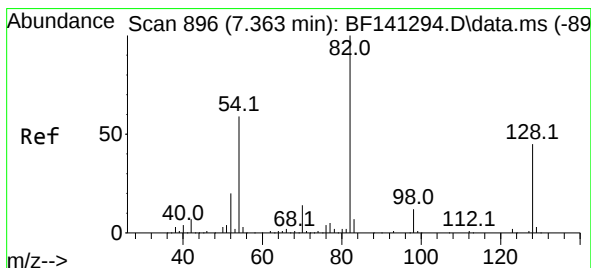
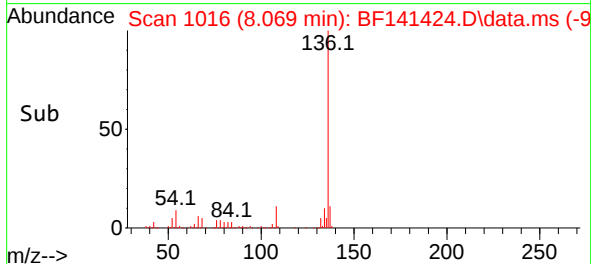
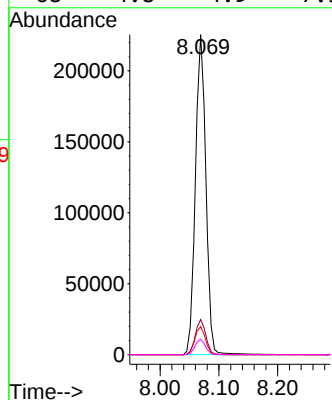
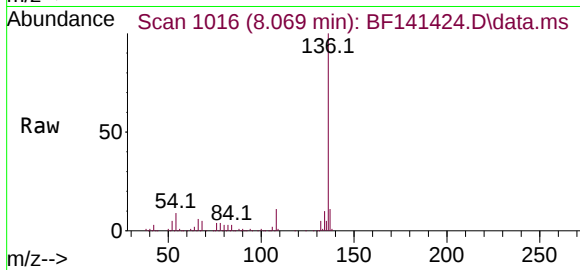
Ion Ratio Lower Upper

136 100

137 11.0 8.6 13.0

54 8.8 7.8 11.8

68 4.8 4.9 7.3#



#23

Nitrobenzene-d5

Concen: 76.349 ng

RT: 7.351 min Scan# 894

Delta R.T. -0.018 min

Lab File: BF141424.D

Acq: 04 Feb 2025 22:11

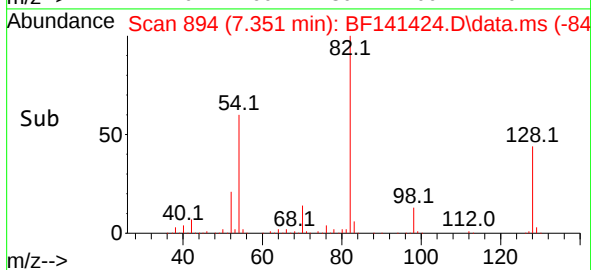
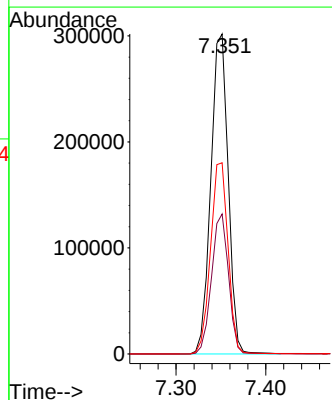
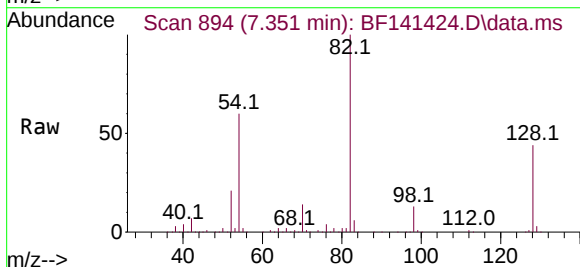
Tgt Ion: 82 Resp: 405374

Ion Ratio Lower Upper

82 100

128 43.8 35.7 53.5

54 59.8 47.1 70.7

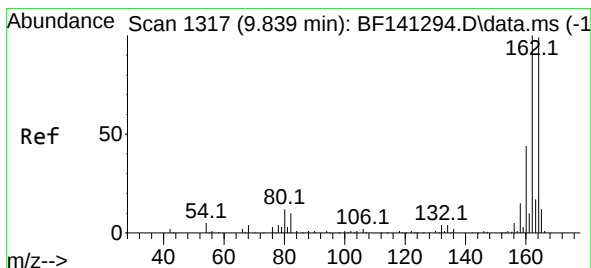
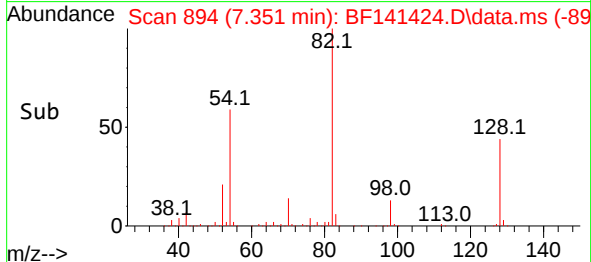
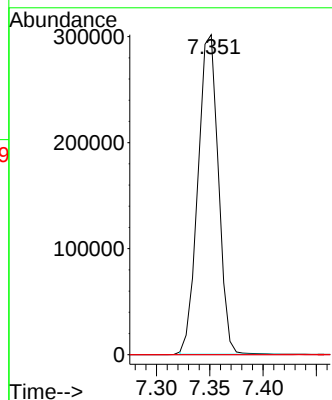
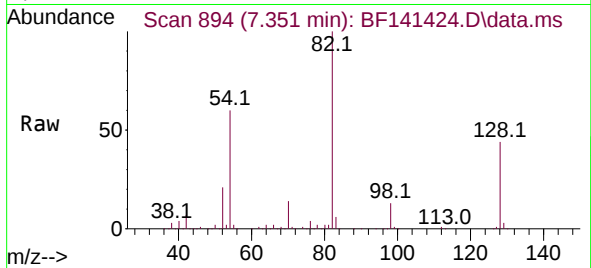




#25
Isophorone
Concen: 43.763 ng
RT: 7.351 min Scan# 89
Delta R.T. -0.277 min
Lab File: BF141424.D
Acq: 04 Feb 2025 22:11

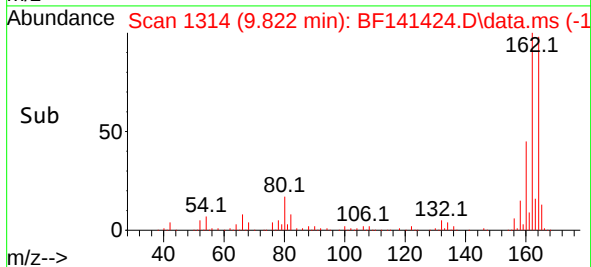
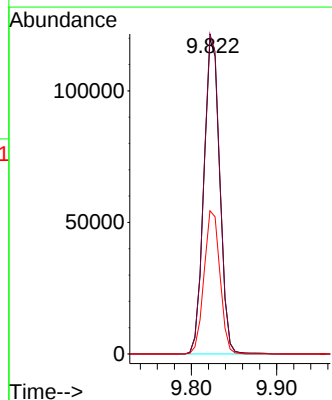
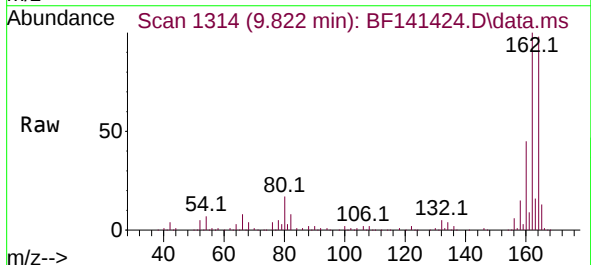
Instrument :
BNA_F
ClientSampleId :
B-113-SB01

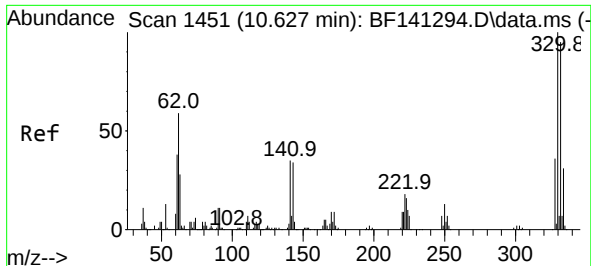
Tgt Ion: 82 Resp: 401655
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.6#
138 0.0 14.7 22.1#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.822 min Scan# 1314
Delta R.T. -0.018 min
Lab File: BF141424.D
Acq: 04 Feb 2025 22:11

Tgt Ion:164 Resp: 155548
Ion Ratio Lower Upper
164 100
162 101.6 80.6 121.0
160 45.5 35.8 53.6





#42

2,4,6-Tribromophenol

Concen: 106.725 ng

RT: 10.616 min Scan# 1449

Delta R.T. -0.018 min

Lab File: BF141424.D

Acq: 04 Feb 2025 22:11

Instrument :

BNA_F

ClientSampleId :

B-113-SB01

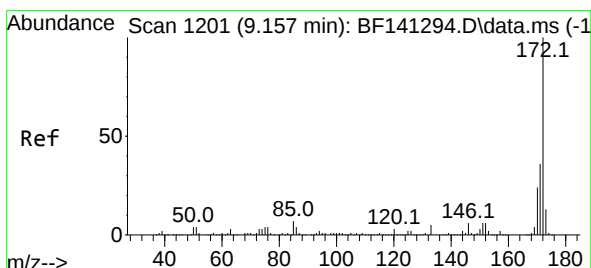
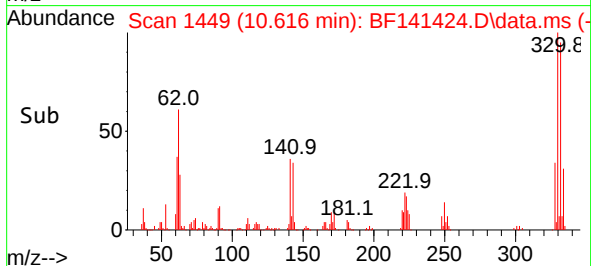
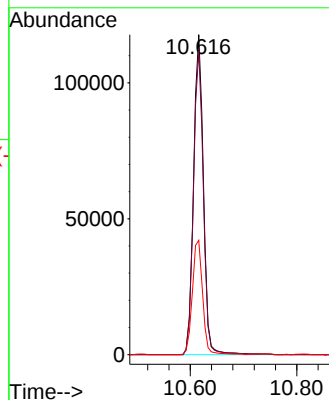
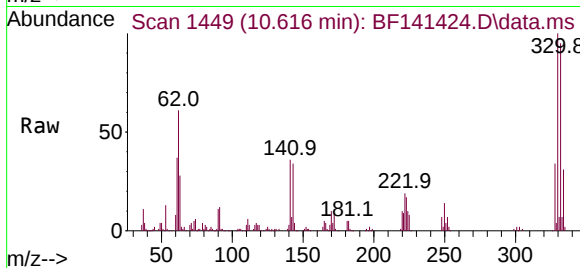
Tgt Ion:330 Resp: 152191

Ion Ratio Lower Upper

330 100

332 94.7 76.1 114.1

141 37.3 28.8 43.2



#45

2-Fluorobiphenyl

Concen: 74.116 ng

RT: 9.145 min Scan# 1199

Delta R.T. -0.018 min

Lab File: BF141424.D

Acq: 04 Feb 2025 22:11

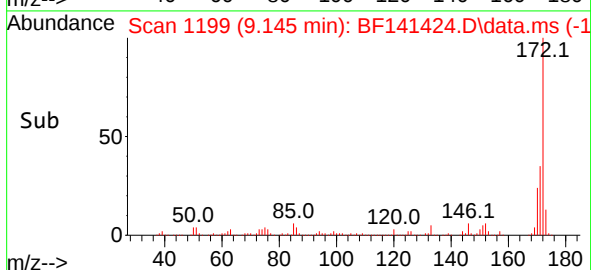
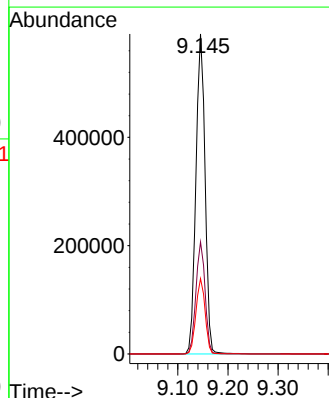
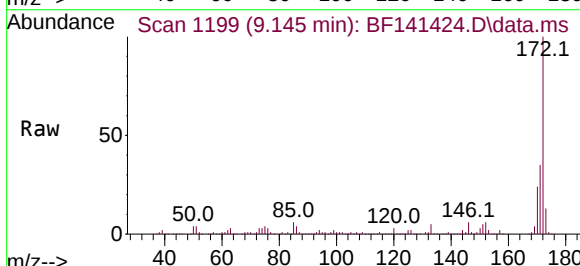
Tgt Ion:172 Resp: 749004

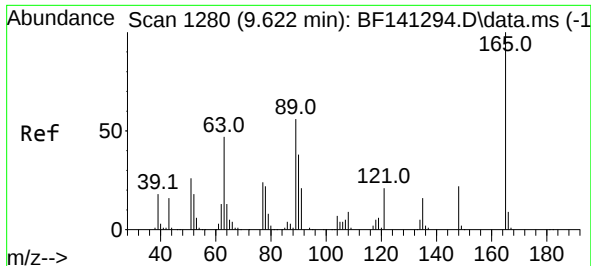
Ion Ratio Lower Upper

172 100

171 35.0 28.8 43.2

170 23.5 19.0 28.6

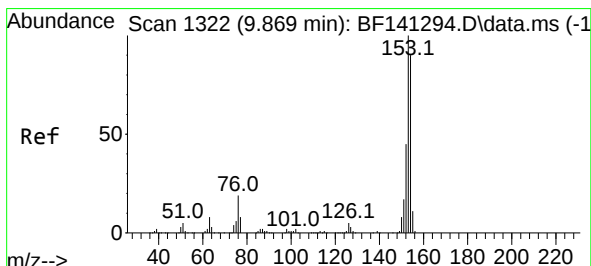
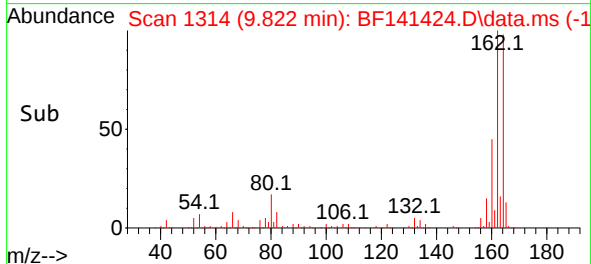
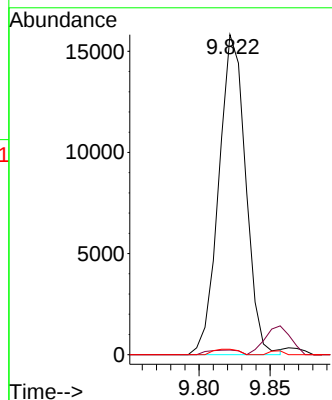
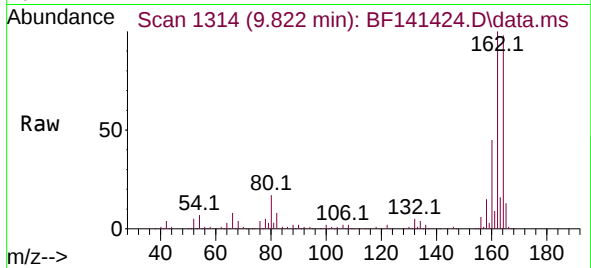




#51
2,6-Dinitrotoluene
Concen: 8.522 ng
RT: 9.822 min Scan# 11
Delta R.T. 0.194 min
Lab File: BF141424.D
Acq: 04 Feb 2025 22:11

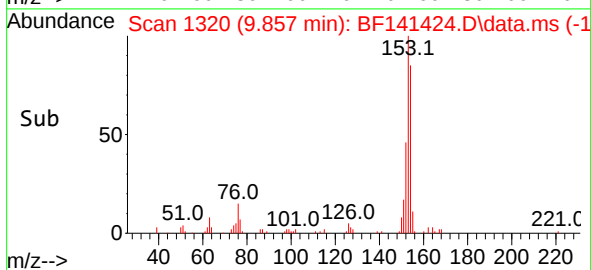
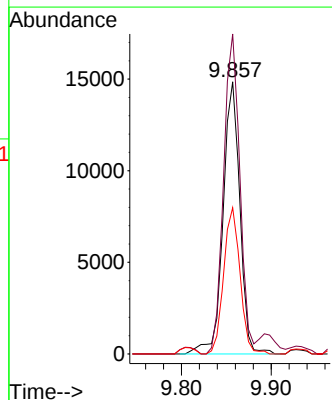
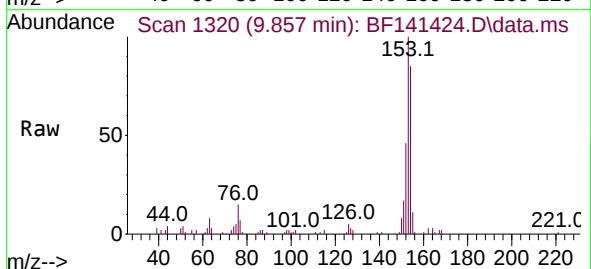
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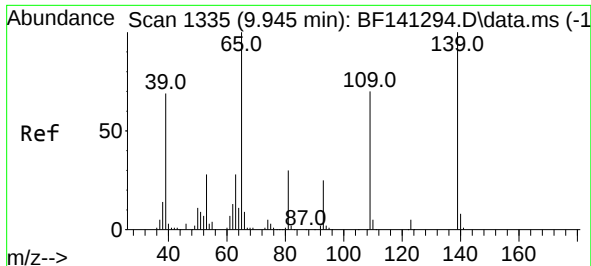
Tgt Ion:165 Resp: 20787
Ion Ratio Lower Upper
165 100
63 1.4 48.1 72.1#
89 1.7 44.9 67.3#



#52
Acenaphthene
Concen: 2.044 ng
RT: 9.857 min Scan# 1320
Delta R.T. -0.018 min
Lab File: BF141424.D
Acq: 04 Feb 2025 22:11

Tgt Ion:154 Resp: 19323
Ion Ratio Lower Upper
154 100
153 117.6 89.0 133.4
152 53.7 40.2 60.4

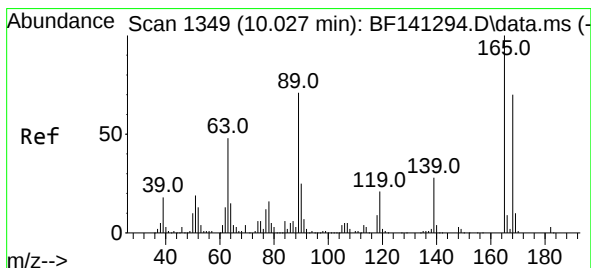
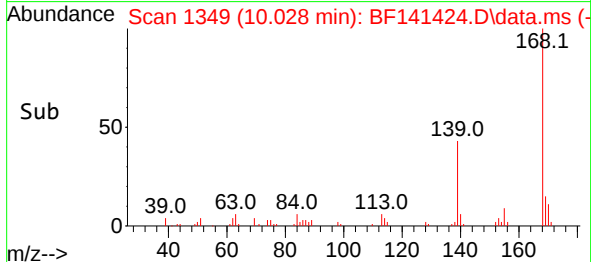
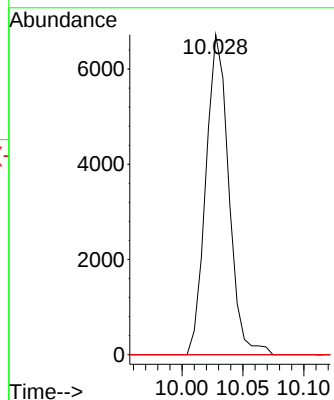
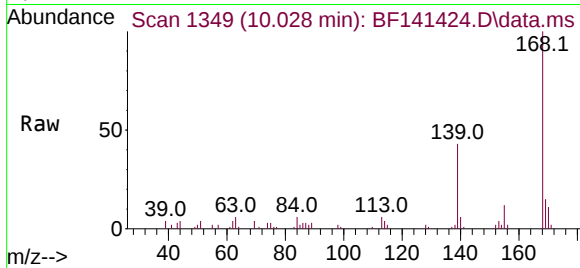




#56
4-Nitrophenol
Concen: 5.026 ng
RT: 10.028 min Scan# 11
Delta R.T. 0.071 min
Lab File: BF141424.D
Acq: 04 Feb 2025 22:11

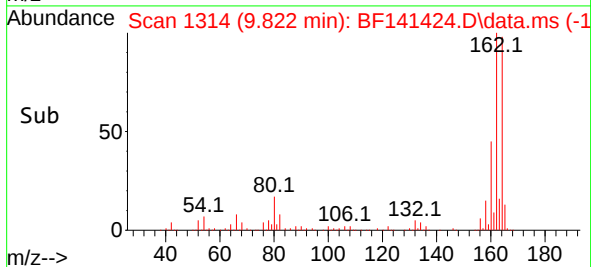
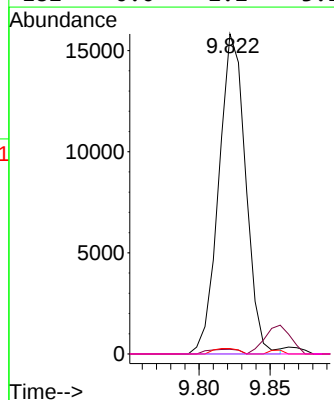
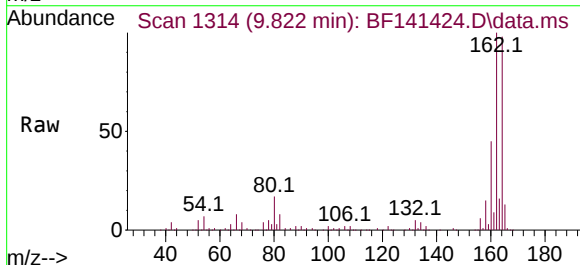
Instrument :
BNA_F
ClientSampleId :
B-113-SB01

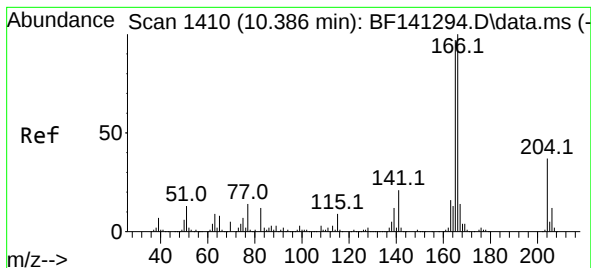
Tgt Ion:139 Resp: 8787
Ion Ratio Lower Upper
139 100
109 0.0 50.2 90.2#
65 0.0 80.6 120.6#



#57
2,4-Dinitrotoluene
Concen: 6.582 ng
RT: 9.822 min Scan# 1314
Delta R.T. -0.212 min
Lab File: BF141424.D
Acq: 04 Feb 2025 22:11

Tgt Ion:165 Resp: 20787
Ion Ratio Lower Upper
165 100
63 1.4 39.2 58.8#
89 1.7 56.9 85.3#
182 0.0 2.2 3.2#





#58

Fluorene

Concen: 2.993 ng

RT: 10.375 min Scan# 1410

Delta R.T. -0.018 min

Lab File: BF141424.D

Acq: 04 Feb 2025 22:11

Instrument :

BNA_F

ClientSampleId :

B-113-SB01

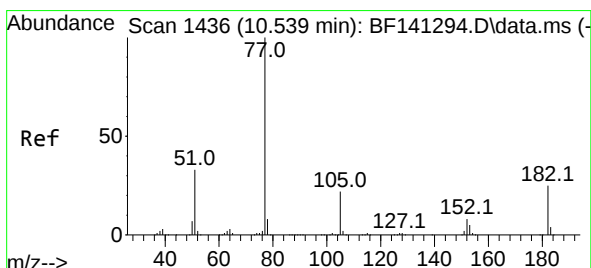
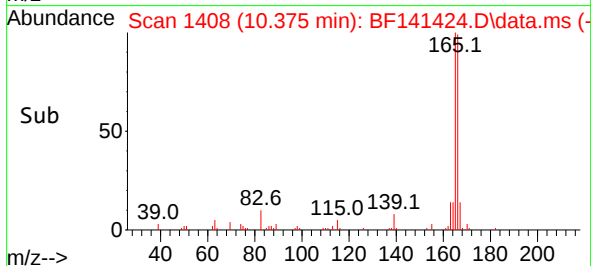
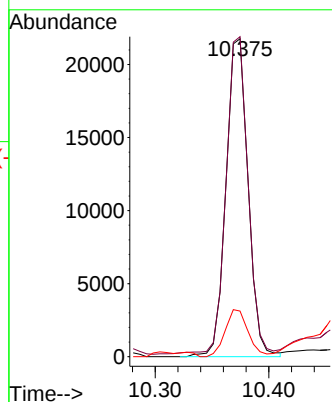
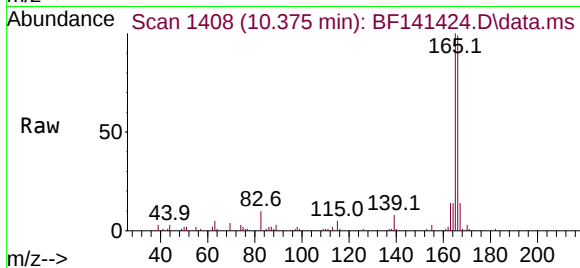
Tgt Ion:166 Resp: 29386

Ion Ratio Lower Upper

166 100

165 100.7 77.5 116.3

167 14.4 10.9 16.3



#63

Azobenzene

Concen: 2.885 ng

RT: 10.539 min Scan# 1436

Delta R.T. -0.006 min

Lab File: BF141424.D

Acq: 04 Feb 2025 22:11

Tgt Ion: 77 Resp: 29415

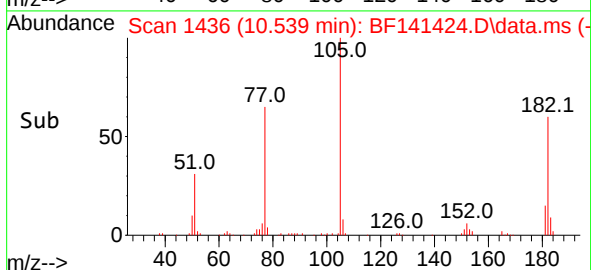
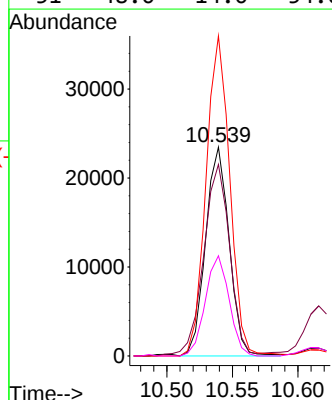
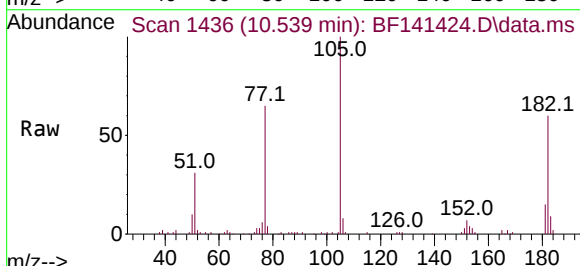
Ion Ratio Lower Upper

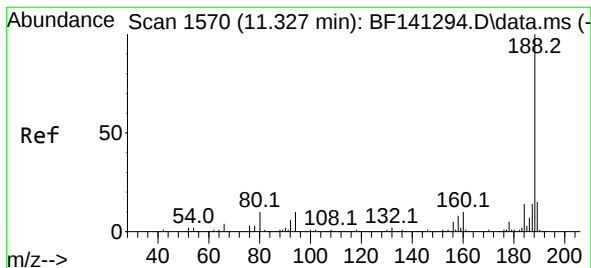
77 100

182 91.8 5.1 45.1#

105 153.3 1.8 41.8#

51 48.0 14.0 54.0





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.310 min Scan# 1

Delta R.T. -0.018 min

Lab File: BF141424.D

Acq: 04 Feb 2025 22:11

Instrument :

BNA_F

ClientSampleId :

B-113-SB01

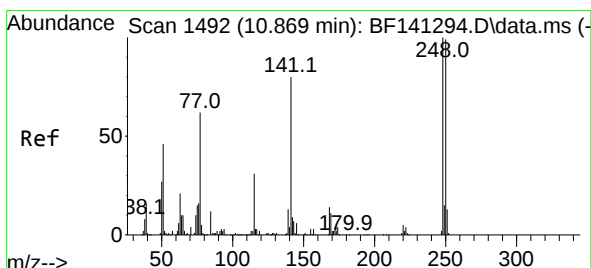
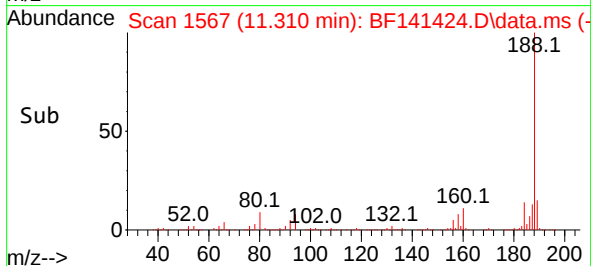
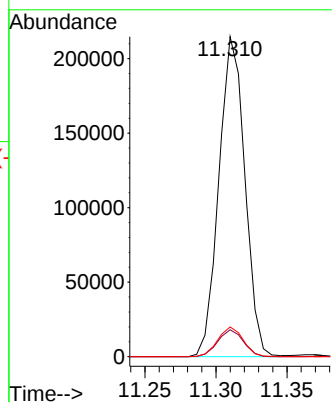
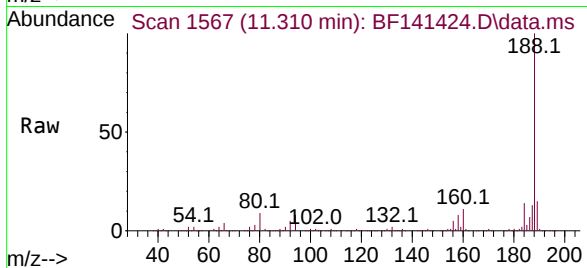
Tgt Ion:188 Resp: 272951

Ion Ratio Lower Upper

188 100

94 8.4 7.8 11.6

80 9.3 8.2 12.4



#67

4-Bromophenyl-phenylether

Concen: 3.452 ng

RT: 10.616 min Scan# 1449

Delta R.T. -0.259 min

Lab File: BF141424.D

Acq: 04 Feb 2025 22:11

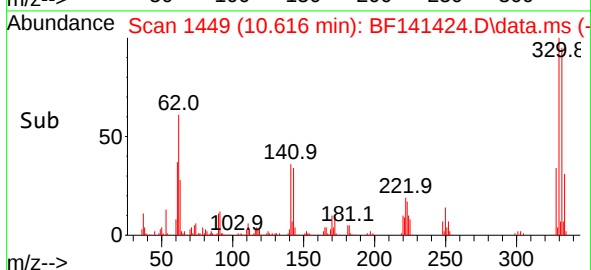
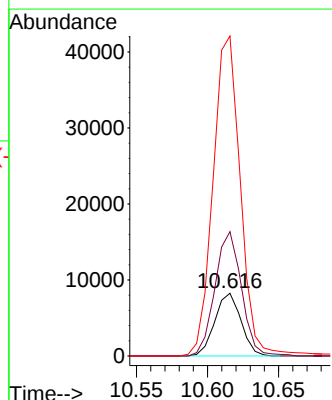
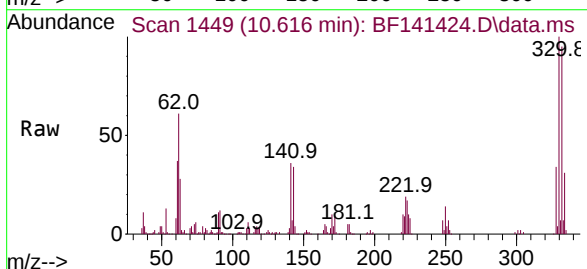
Tgt Ion:248 Resp: 10549

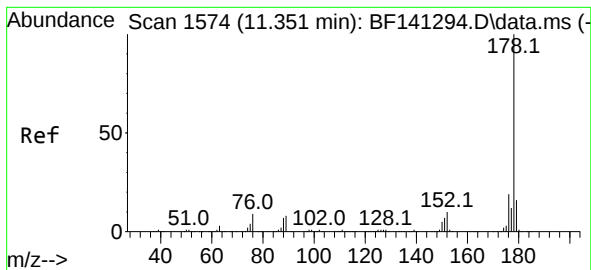
Ion Ratio Lower Upper

248 100

250 198.2 79.0 118.4#

141 510.3 63.7 95.5#





#71

Phenanthrene

Concen: 21.407 ng

RT: 11.333 min Scan# 1

Delta R.T. -0.018 min

Lab File: BF141424.D

Acq: 04 Feb 2025 22:11

Instrument :

BNA_F

ClientSampleId :

B-113-SB01

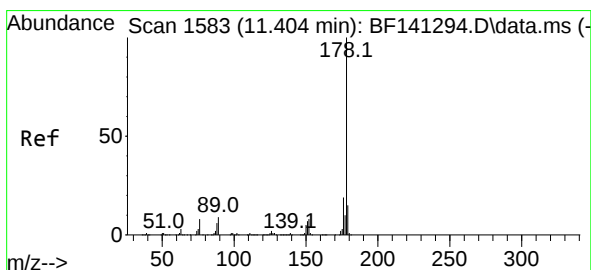
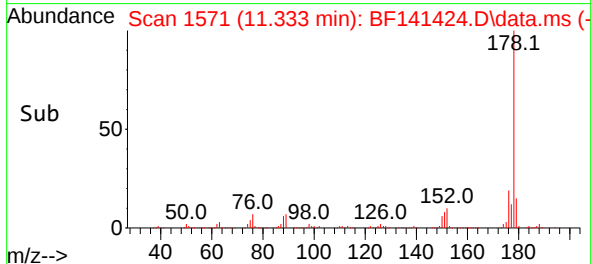
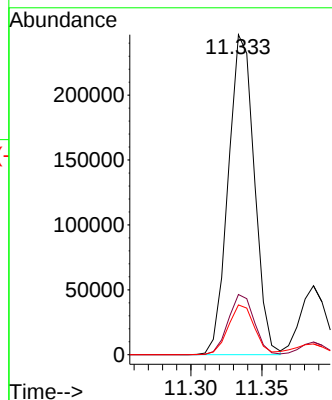
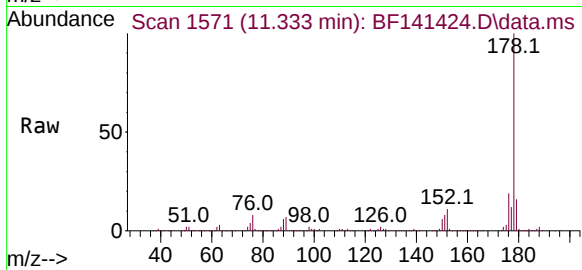
Tgt Ion:178 Resp: 314087

Ion Ratio Lower Upper

178 100

176 18.8 15.3 22.9

179 15.5 12.5 18.7



#72

Anthracene

Concen: 4.676 ng

RT: 11.386 min Scan# 1580

Delta R.T. -0.018 min

Lab File: BF141424.D

Acq: 04 Feb 2025 22:11

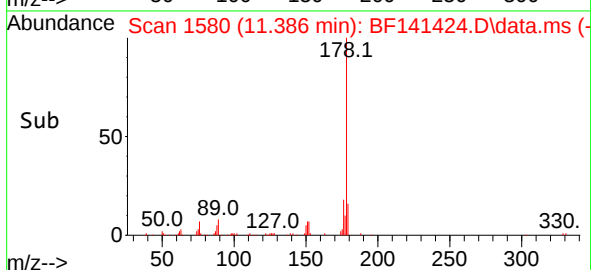
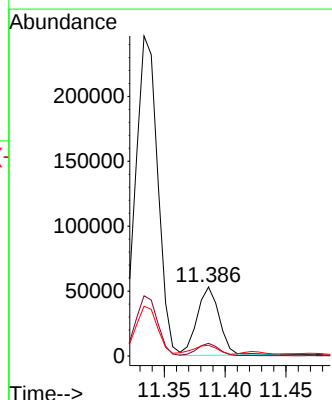
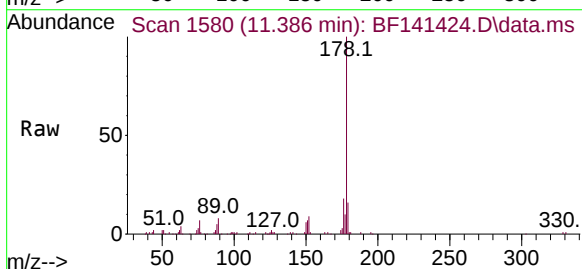
Tgt Ion:178 Resp: 67226

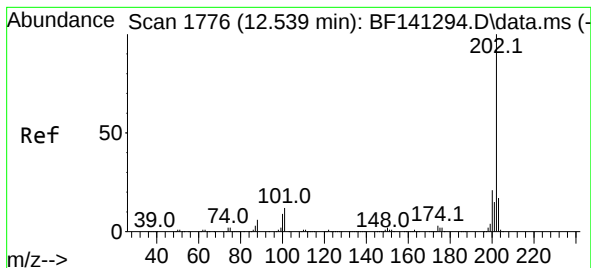
Ion Ratio Lower Upper

178 100

176 18.2 15.0 22.6

179 15.6 12.3 18.5





#75

Fluoranthene

Concen: 15.758 ng

RT: 12.522 min Scan# 1

Delta R.T. -0.018 min

Lab File: BF141424.D

Acq: 04 Feb 2025 22:11

Instrument :

BNA_F

ClientSampleId :

B-113-SB01

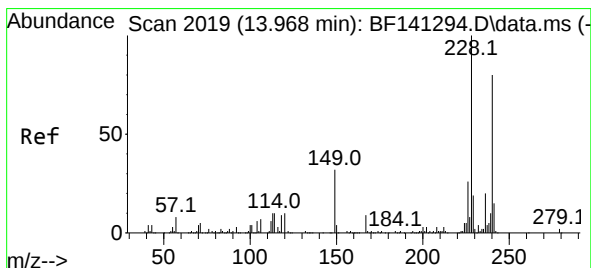
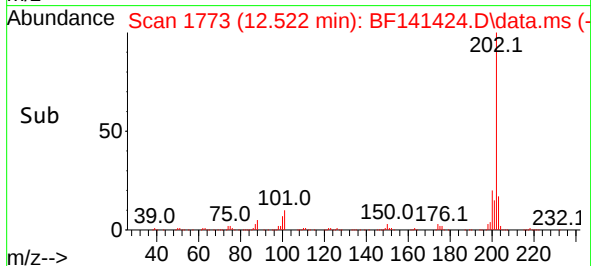
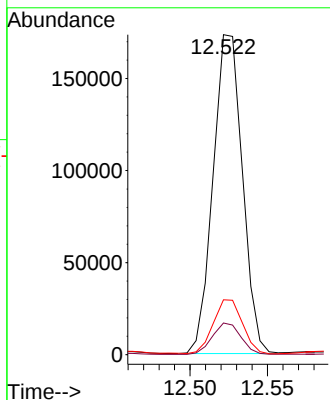
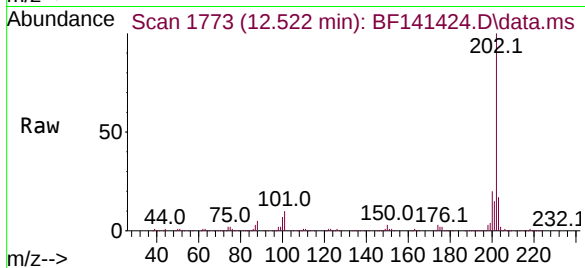
Tgt Ion:202 Resp: 228292

Ion Ratio Lower Upper

202 100

101 9.9 0.0 31.7

203 17.1 0.0 37.5



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.951 min Scan# 2016

Delta R.T. -0.024 min

Lab File: BF141424.D

Acq: 04 Feb 2025 22:11

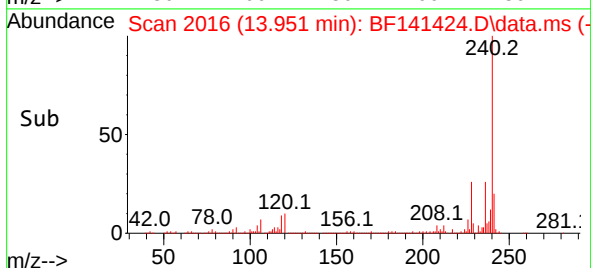
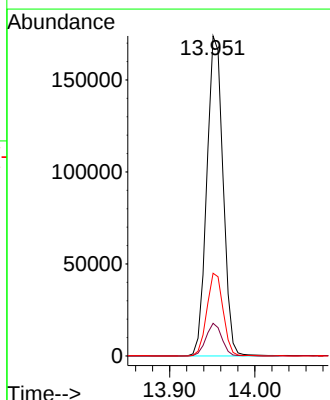
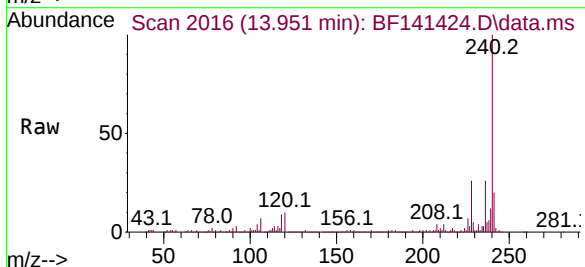
Tgt Ion:240 Resp: 230042

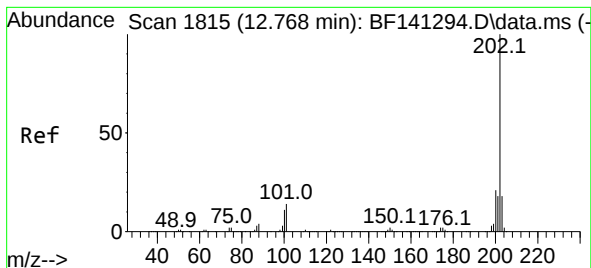
Ion Ratio Lower Upper

240 100

120 10.2 10.0 15.0

236 25.8 19.7 29.5





#78

Pyrene

Concen: 11.103 ng

RT: 12.751 min Scan# 1812

Delta R.T. -0.018 min

Lab File: BF141424.D

Acq: 04 Feb 2025 22:11

Instrument :

BNA_F

ClientSampleId :

B-113-SB01

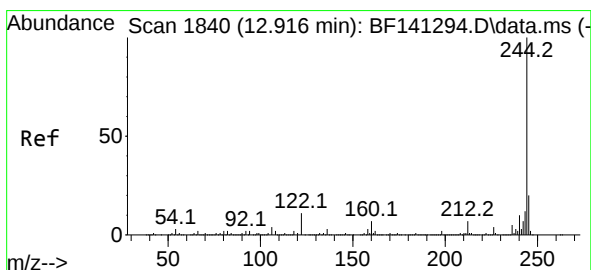
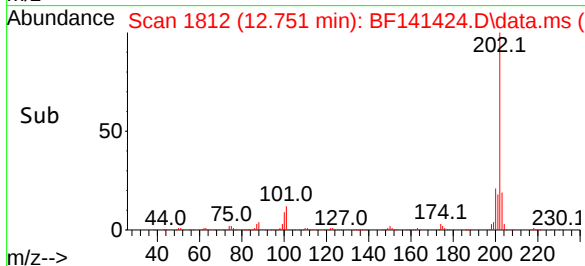
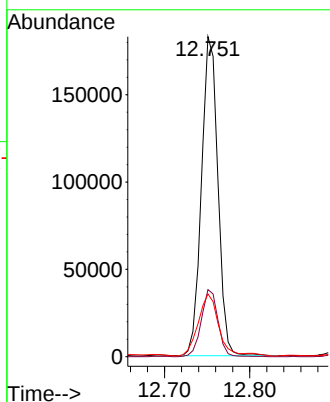
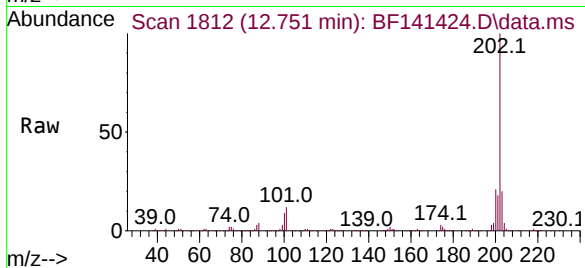
Tgt Ion:202 Resp: 245180

Ion Ratio Lower Upper

202 100

200 21.0 17.0 25.4

203 19.6 14.3 21.5



#79

Terphenyl-d14

Concen: 60.021 ng

RT: 12.904 min Scan# 1838

Delta R.T. -0.012 min

Lab File: BF141424.D

Acq: 04 Feb 2025 22:11

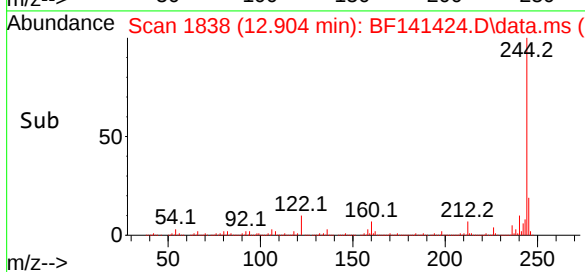
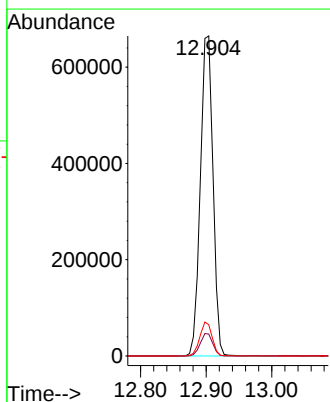
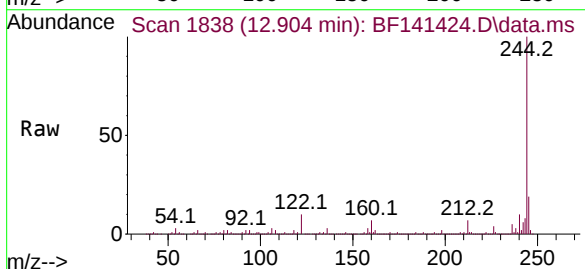
Tgt Ion:244 Resp: 895307

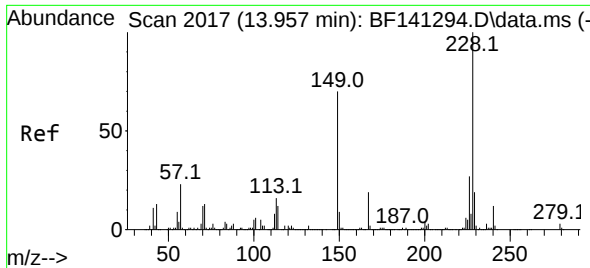
Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.0

122 9.8 8.8 13.2

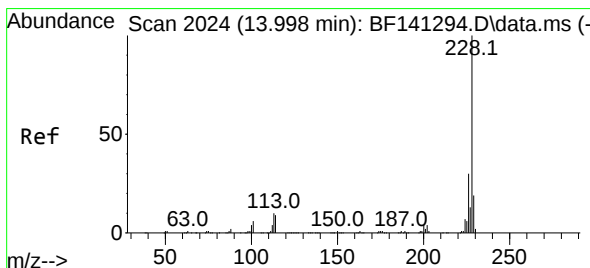
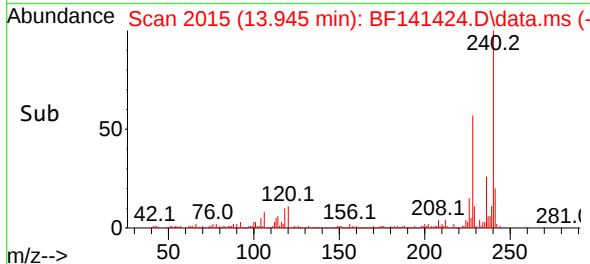
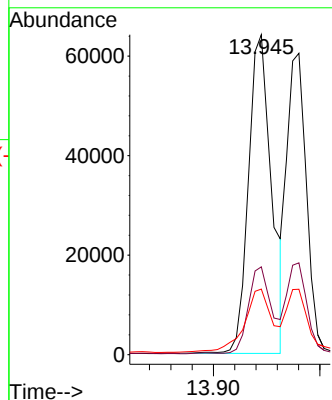
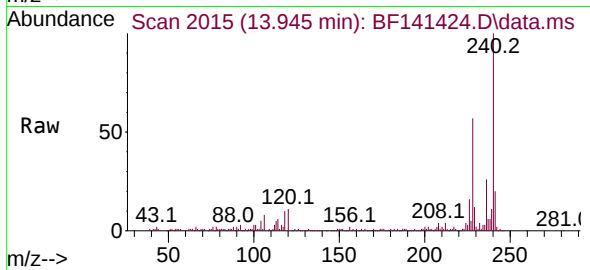




#81
Benzo(a)anthracene
Concen: 6.075 ng
RT: 13.945 min Scan# 2021
Delta R.T. -0.018 min
Lab File: BF141424.D
Acq: 04 Feb 2025 22:11

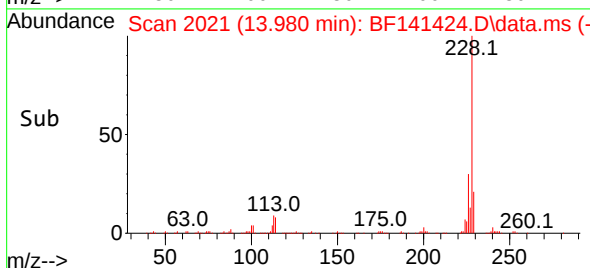
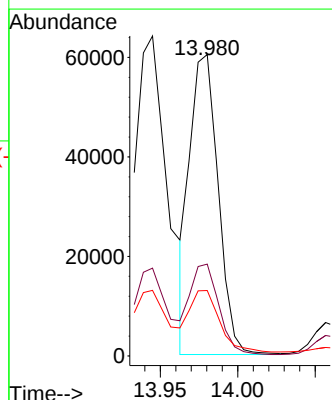
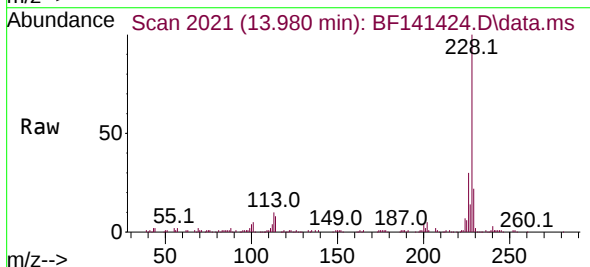
Instrument :
BNA_F
ClientSampleId :
B-113-SB01

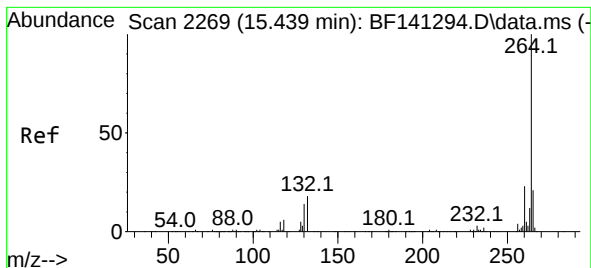
Tgt Ion:228 Resp: 96432
Ion Ratio Lower Upper
228 100
226 27.4 21.4 32.2
229 20.5 15.5 23.3



#83
Chrysene
Concen: 5.289 ng
RT: 13.980 min Scan# 2021
Delta R.T. -0.018 min
Lab File: BF141424.D
Acq: 04 Feb 2025 22:11

Tgt Ion:228 Resp: 76948
Ion Ratio Lower Upper
228 100
226 30.5 24.1 36.1
229 21.7 15.6 23.4





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.410 min Scan# 2193

Delta R.T. -0.029 min

Lab File: BF141424.D

Acq: 04 Feb 2025 22:11

Instrument :

BNA_F

ClientSampleId :

B-113-SB01

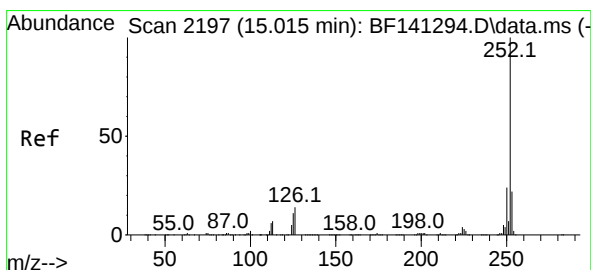
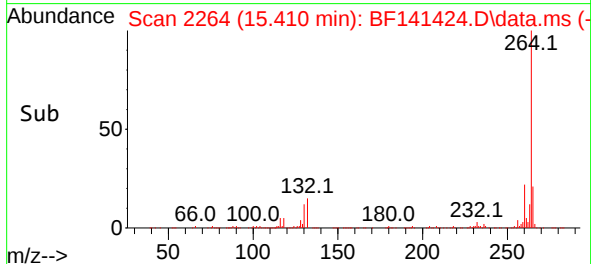
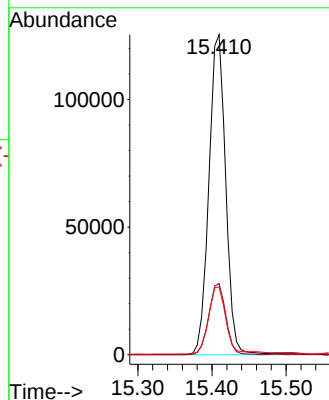
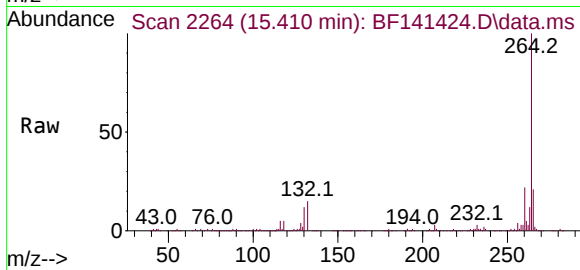
Tgt Ion:264 Resp: 197101

Ion Ratio Lower Upper

264 100

260 22.2 18.6 27.8

265 21.2 16.7 25.1



#88

Benzo(b)fluoranthene

Concen: 6.198 ng

RT: 14.992 min Scan# 2193

Delta R.T. -0.029 min

Lab File: BF141424.D

Acq: 04 Feb 2025 22:11

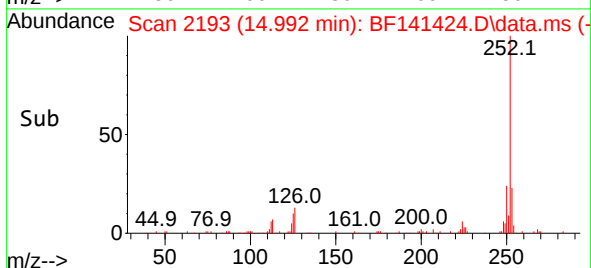
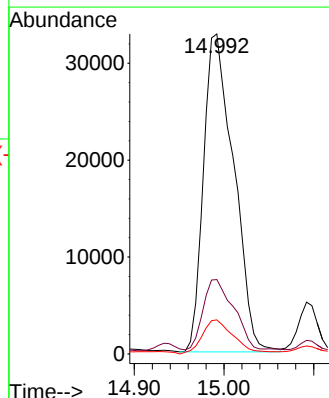
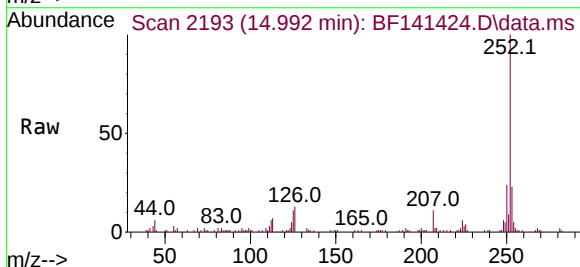
Tgt Ion:252 Resp: 76844

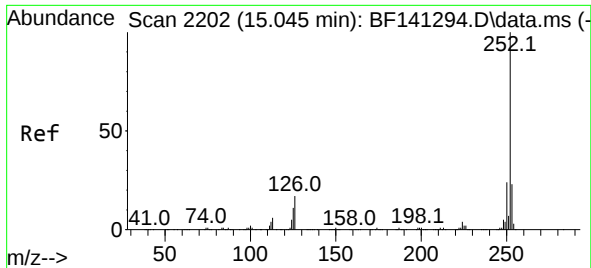
Ion Ratio Lower Upper

252 100

253 23.2 17.4 26.2

125 10.6 8.6 12.8

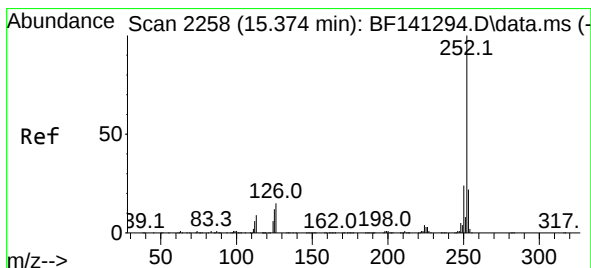
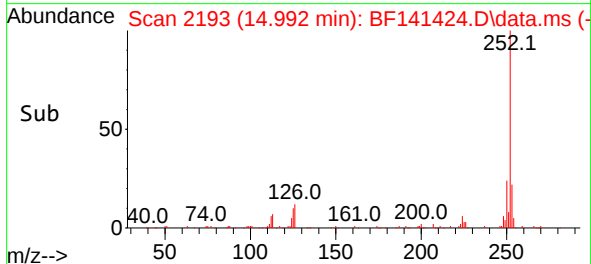
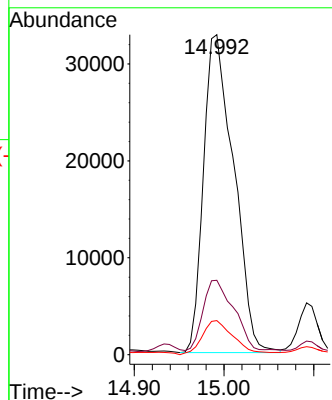
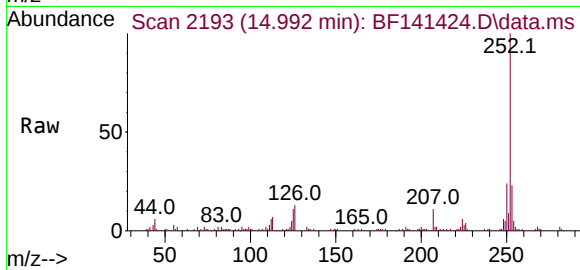




#89
Benzo(k)fluoranthene
Concen: 6.996 ng
RT: 14.992 min Scan# 2193
Delta R.T. -0.059 min
Lab File: BF141424.D
Acq: 04 Feb 2025 22:11

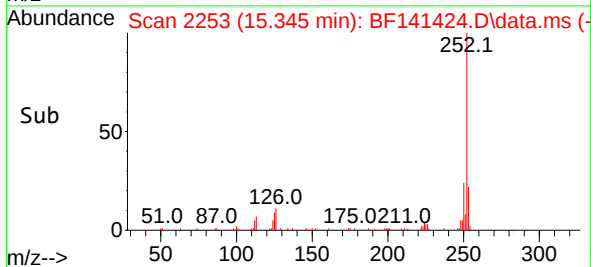
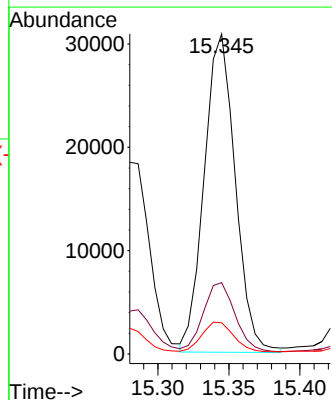
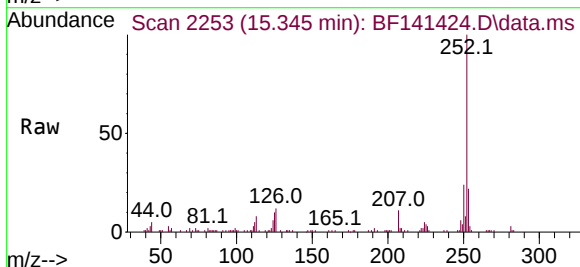
Instrument :
BNA_F
ClientSampleId :
B-113-SB01

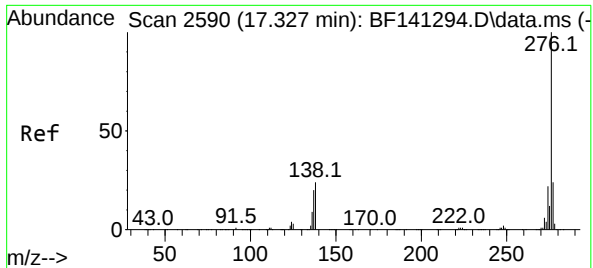
Tgt Ion:252 Resp: 76844
Ion Ratio Lower Upper
252 100
253 23.2 17.6 26.4
125 10.6 8.4 12.6



#90
Benzo(a)pyrene
Concen: 4.480 ng
RT: 15.345 min Scan# 2253
Delta R.T. -0.035 min
Lab File: BF141424.D
Acq: 04 Feb 2025 22:11

Tgt Ion:252 Resp: 46939
Ion Ratio Lower Upper
252 100
253 22.3 17.2 25.8
125 9.8 9.4 14.2





#92
 Benzo(g,h,i)perylene
 Concen: 2.150 ng
 RT: 17.268 min Scan# 21
 Delta R.T. -0.077 min
 Lab File: BF141424.D
 Acq: 04 Feb 2025 22:11

Instrument :
 BNA_F
 ClientSampleId :
 B-113-SB01

Tgt Ion:	276	Resp:	22883
Ion	Ratio	Lower	Upper
276	100		
277	26.3	19.2	28.8
138	22.2	19.0	28.4

