

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF123024\
 Data File : BF141044.D
 Acq On : 30 Dec 2024 21:11
 Operator : RC/JU
 Sample : P5390-01 2X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EO-01-12272024

Quant Time: Dec 31 00:17:05 2024
 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)

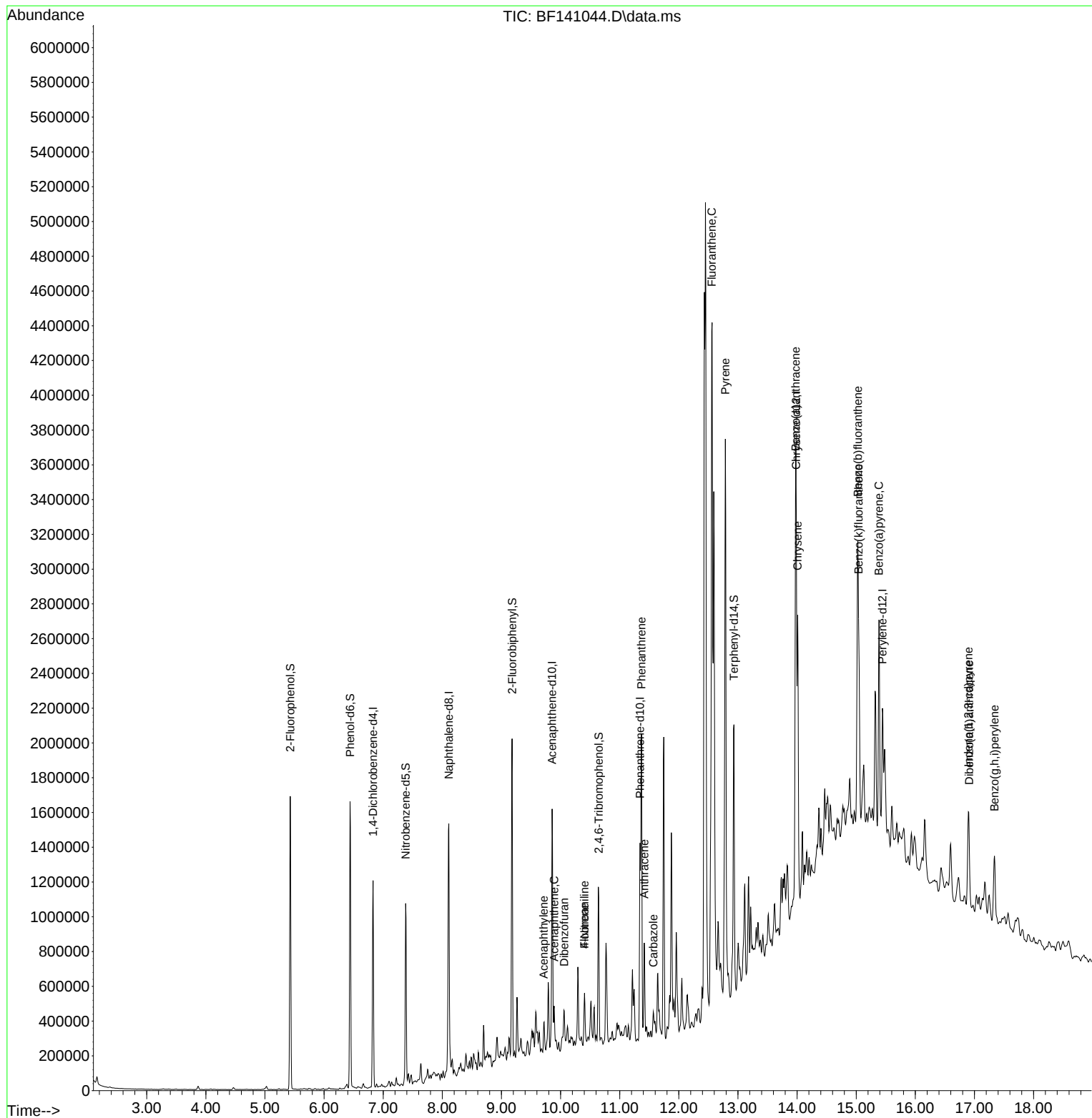
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.828	152	242814	20.000	ng	0.00
21) Naphthalene-d8	8.110	136	870964	20.000	ng	0.00
39) Acenaphthene-d10	9.857	164	383795	20.000	ng	0.00
64) Phenanthrene-d10	11.345	188	558939	20.000	ng	0.00
76) Chrysene-d12	13.986	240	499944	20.000	ng	0.00
86) Perylene-d12	15.445	264	397440	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	623516	38.708	ng	0.00
7) Phenol-d6	6.440	99	759326	36.592	ng	-0.01
23) Nitrobenzene-d5	7.381	82	440297	32.343	ng	-0.01
42) 2,4,6-Tribromophenol	10.645	330	139654	37.447	ng	0.00
45) 2-Fluorobiphenyl	9.181	172	792535	32.900	ng	0.00
79) Terphenyl-d14	12.933	244	758562	25.202	ng	0.00
Target Compounds						Qvalue
49) Acenaphthylene	9.716	152	97528	2.973	ng	100
52) Acenaphthene	9.892	154	71266	3.213	ng	99
55) Dibenzofuran	10.063	168	76465	2.453	ng	95
58) Fluorene	10.404	166	108576	4.492	ng	97
62) 4-Nitroaniline	10.404	138	1545	3.603	ng	93
71) Phenanthrene	11.369	178	923619	31.397	ng	99
72) Anthracene	11.416	178	303413	10.526	ng	99
73) Carbazole	11.569	167	75535	2.726	ng	97
75) Fluoranthene	12.557	202	2048109	64.194	ng	99
78) Pyrene	12.786	202	1796572	41.089	ng	98
81) Benzo(a)anthracene	13.974	228	1106808	31.765	ng	95
83) Chrysene	14.010	228	873978	27.825	ng	98
87) Indeno(1,2,3-cd)pyrene	16.898	276	430342m	17.186	ng	
88) Benzo(b)fluoranthene	15.027	252	1072550m	38.694	ng	
89) Benzo(k)fluoranthene	15.039	252	433411m	19.950	ng	
90) Benzo(a)pyrene	15.386	252	732599	34.051	ng	96
91) Dibenzo(a,h)anthracene	16.909	278	99658	4.910	ng	# 85
92) Benzo(g,h,i)perylene	17.339	276	373770	17.755	ng	98

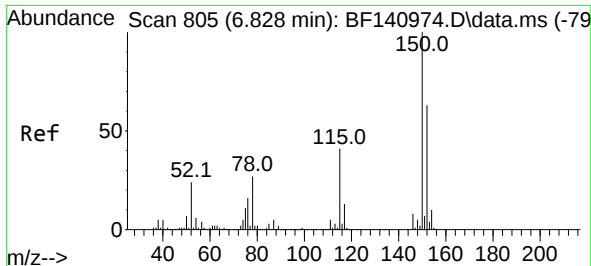
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF123024\
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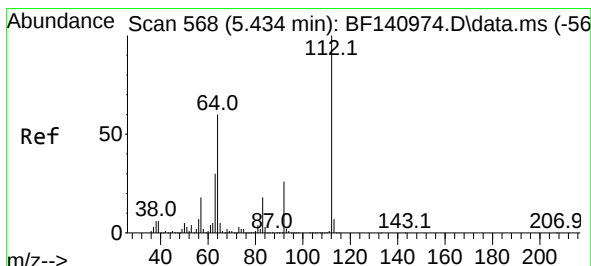
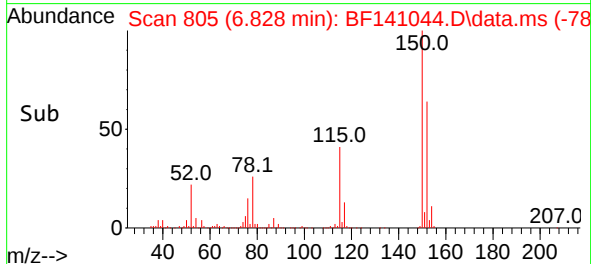
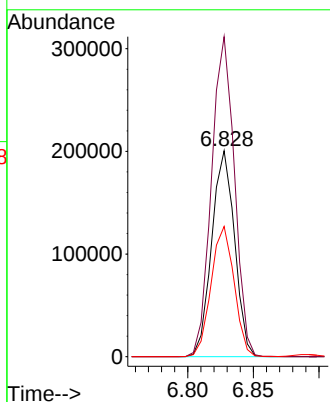
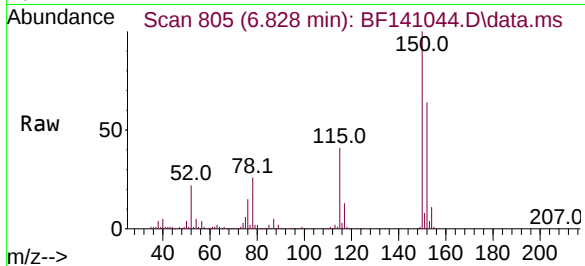




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.828 min Scan# 805
 Delta R.T. -0.000 min
 Lab File: BF141044.D
 Acq: 30 Dec 2024 21:11

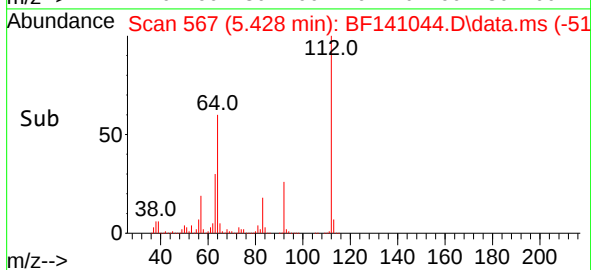
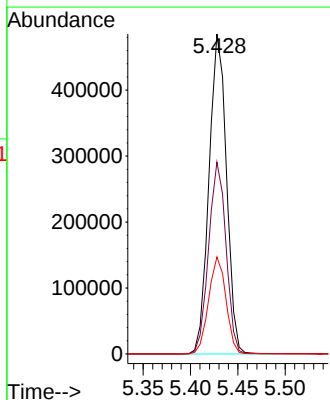
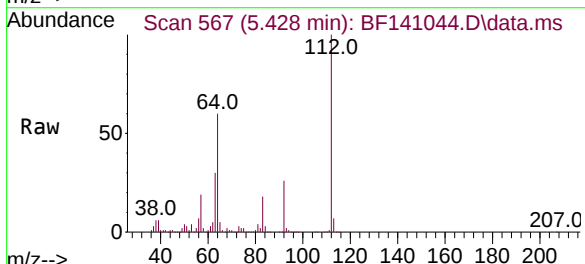
Instrument :
 BNA_F
 ClientSampleId :
 EO-01-12272024

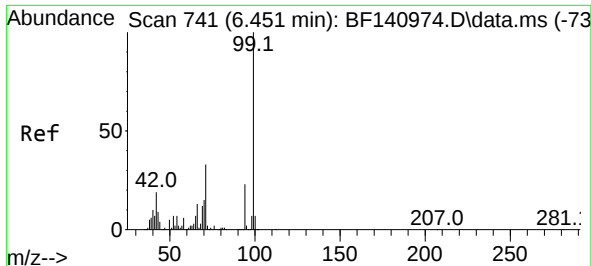
Tgt Ion:152 Resp: 242814
 Ion Ratio Lower Upper
 152 100
 150 155.4 127.0 190.6
 115 63.2 51.7 77.5



#5
 2-Fluorophenol
 Concen: 38.708 ng
 RT: 5.428 min Scan# 567
 Delta R.T. -0.006 min
 Lab File: BF141044.D
 Acq: 30 Dec 2024 21:11

Tgt Ion:112 Resp: 623516
 Ion Ratio Lower Upper
 112 100
 64 60.0 47.7 71.5
 63 30.3 24.2 36.2

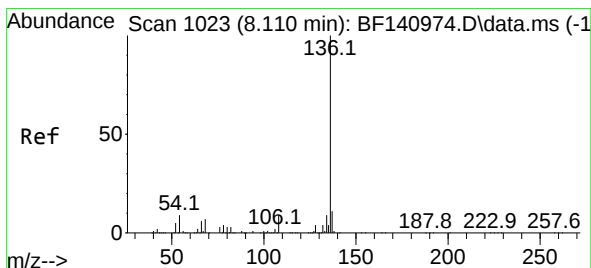
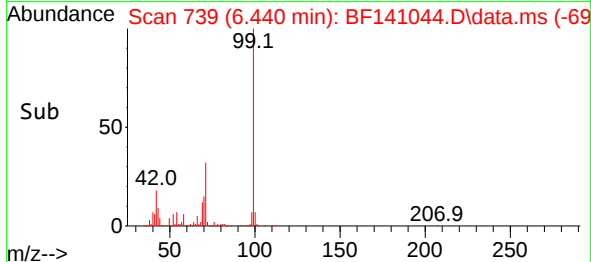
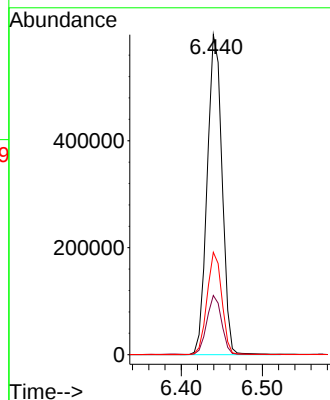
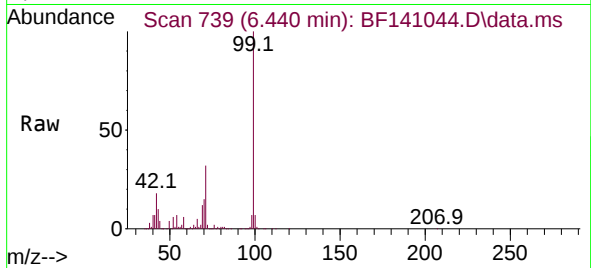




#7
Phenol-d6
Concen: 36.592 ng
RT: 6.440 min Scan# 741
Delta R.T. -0.012 min
Lab File: BF141044.D
Acq: 30 Dec 2024 21:11

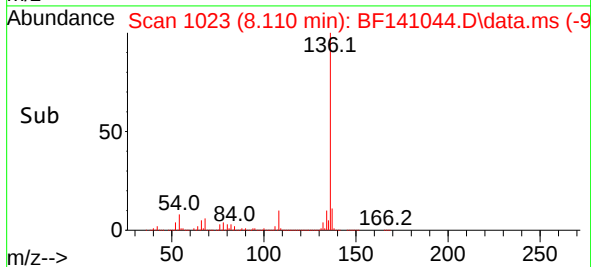
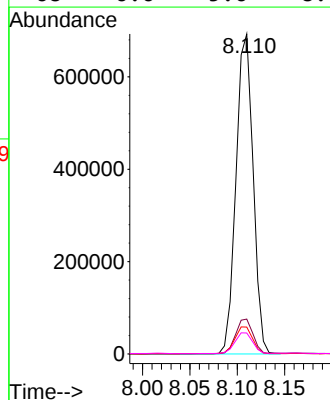
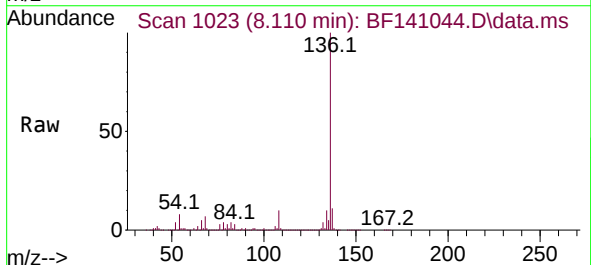
Instrument :
BNA_F
ClientSampleId :
EO-01-12272024

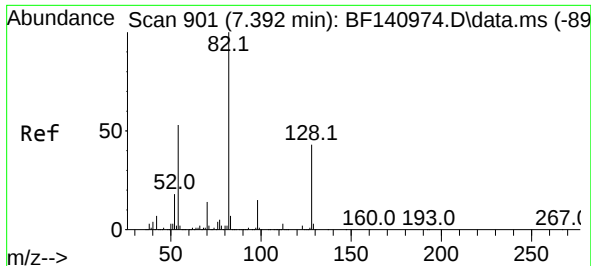
Tgt Ion: 99 Resp: 759326
Ion Ratio Lower Upper
99 100
42 18.5 15.0 22.4
71 32.0 26.2 39.2



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.110 min Scan# 1023
Delta R.T. -0.000 min
Lab File: BF141044.D
Acq: 30 Dec 2024 21:11

Tgt Ion: 136 Resp: 870964
Ion Ratio Lower Upper
136 100
137 10.9 9.0 13.4
54 8.4 7.6 11.4
68 6.6 5.6 8.4





#23

Nitrobenzene-d5

Concen: 32.343 ng

RT: 7.381 min Scan# 89

Delta R.T. -0.012 min

Lab File: BF141044.D

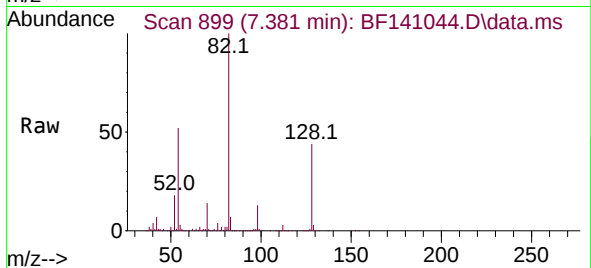
Acq: 30 Dec 2024 21:11

Instrument :

BNA_F

ClientSampleId :

EO-01-12272024



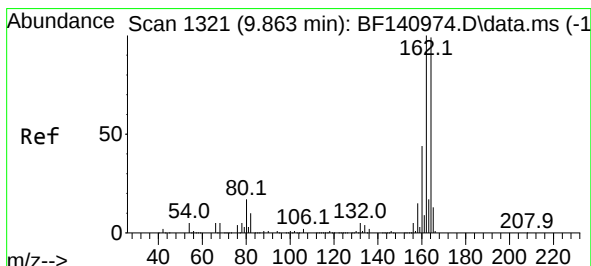
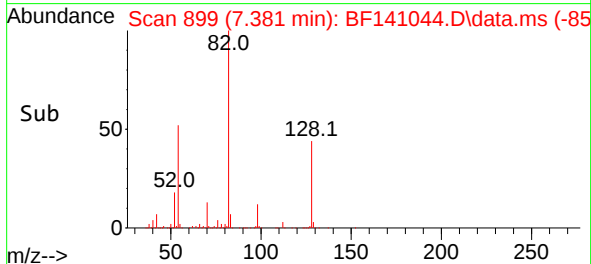
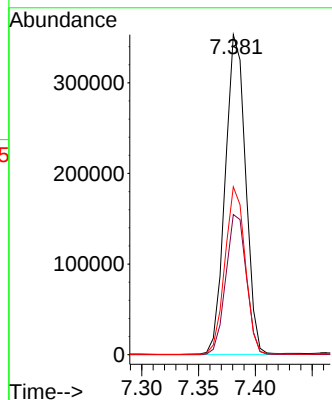
Tgt Ion: 82 Resp: 440297

Ion Ratio Lower Upper

82 100

128 43.8 34.4 51.6

54 52.4 42.4 63.6



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.857 min Scan# 1320

Delta R.T. -0.006 min

Lab File: BF141044.D

Acq: 30 Dec 2024 21:11

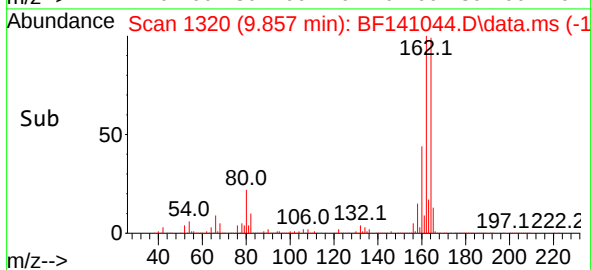
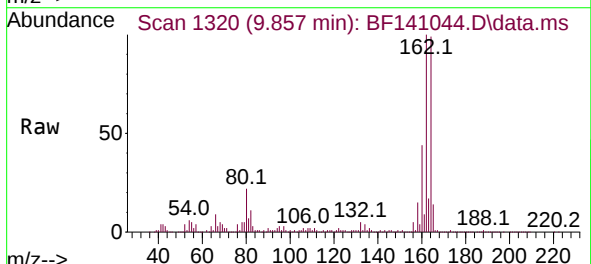
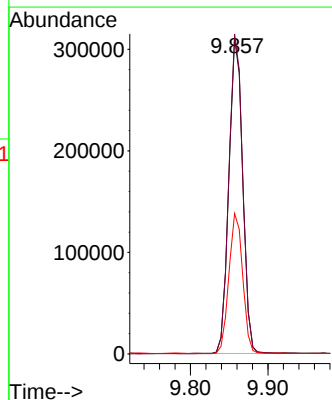
Tgt Ion: 164 Resp: 383795

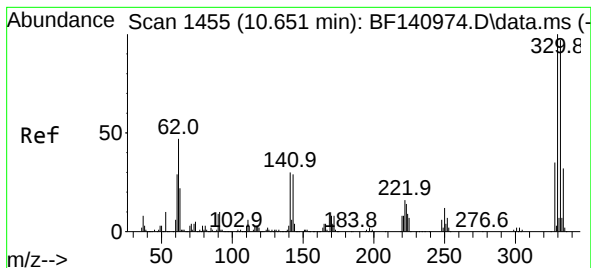
Ion Ratio Lower Upper

164 100

162 101.4 80.6 120.8

160 44.6 35.7 53.5

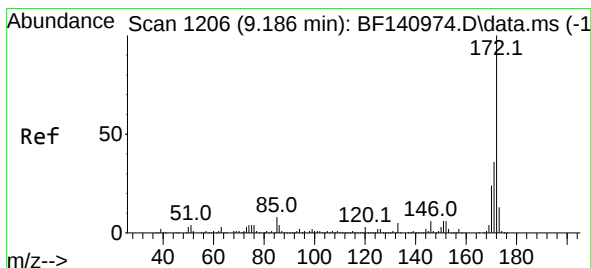
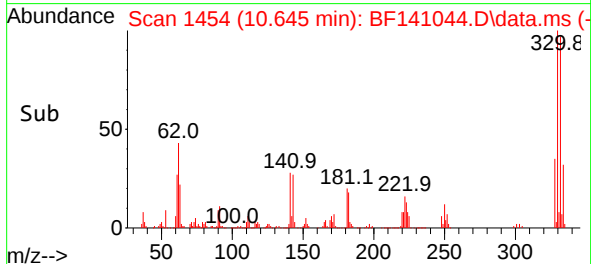
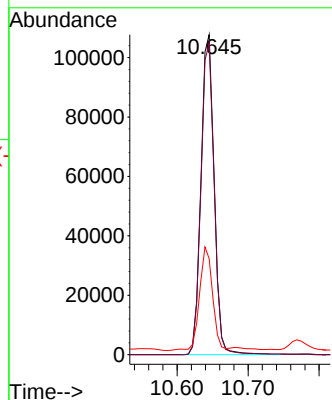
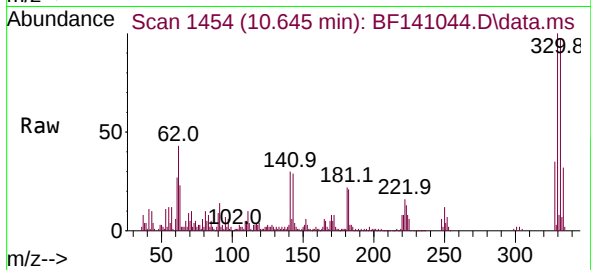




#42
2,4,6-Tribromophenol
Concen: 37.447 ng
RT: 10.645 min Scan# 1455
Delta R.T. -0.006 min
Lab File: BF141044.D
Acq: 30 Dec 2024 21:11

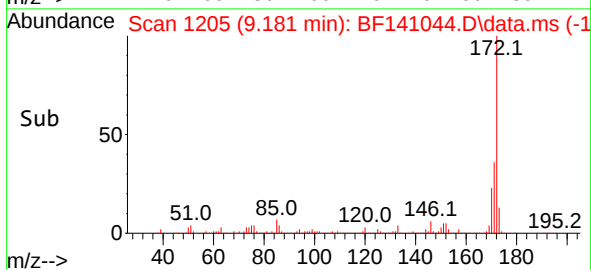
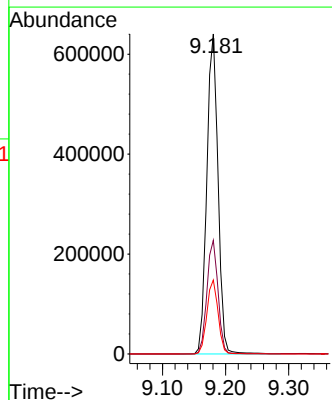
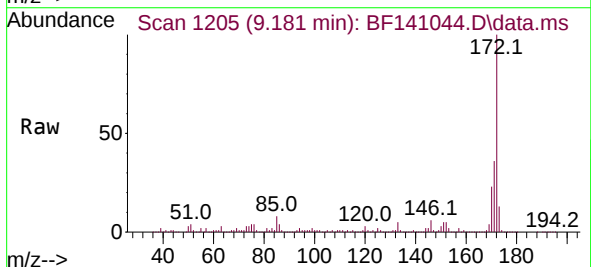
Instrument :
BNA_F
ClientSampleId :
EO-01-12272024

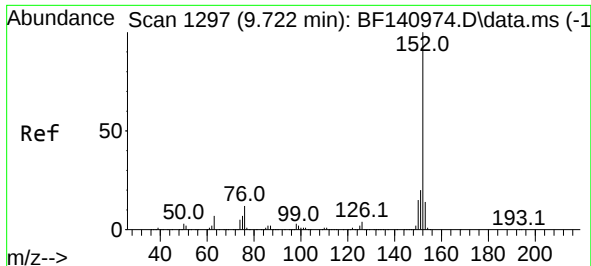
Tgt Ion:330 Resp: 139654
Ion Ratio Lower Upper
330 100
332 97.1 78.0 117.0
141 31.8 26.4 39.6



#45
2-Fluorobiphenyl
Concen: 32.900 ng
RT: 9.181 min Scan# 1205
Delta R.T. -0.006 min
Lab File: BF141044.D
Acq: 30 Dec 2024 21:11

Tgt Ion:172 Resp: 792535
Ion Ratio Lower Upper
172 100
171 35.5 29.0 43.4
170 23.1 19.6 29.4





#49

Acenaphthylene

Concen: 2.973 ng

RT: 9.716 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF141044.D

Acq: 30 Dec 2024 21:11

Instrument :

BNA_F

ClientSampleId :

EO-01-12272024

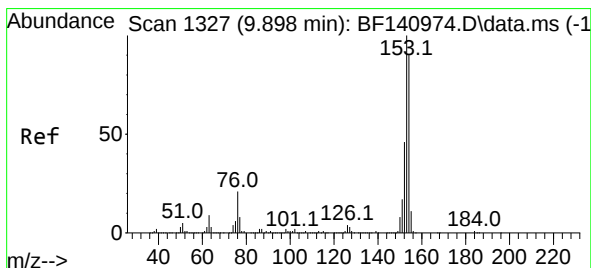
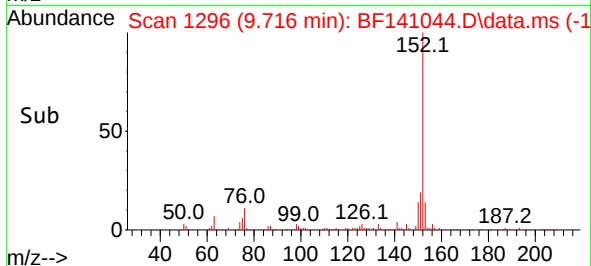
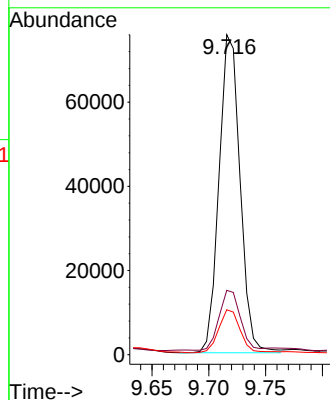
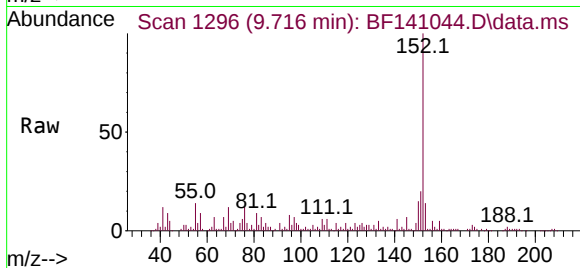
Tgt Ion:152 Resp: 97528

Ion Ratio Lower Upper

152 100

151 20.1 16.2 24.4

153 14.1 11.4 17.0



#52

Acenaphthene

Concen: 3.213 ng

RT: 9.892 min Scan# 1326

Delta R.T. -0.006 min

Lab File: BF141044.D

Acq: 30 Dec 2024 21:11

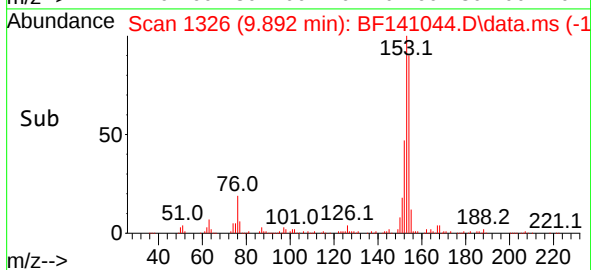
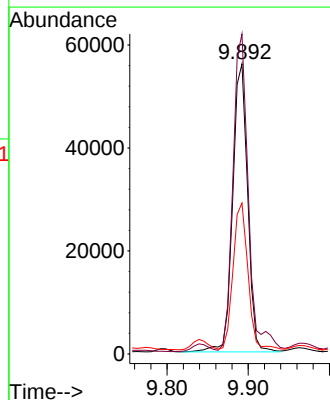
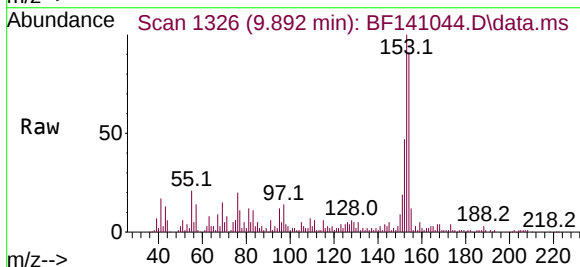
Tgt Ion:154 Resp: 71266

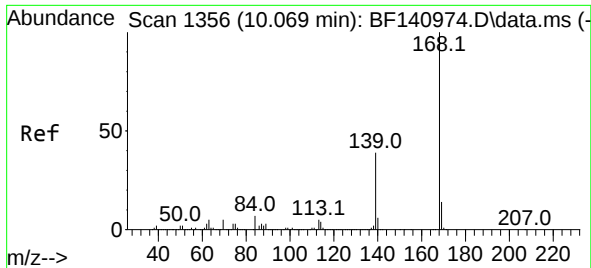
Ion Ratio Lower Upper

154 100

153 110.3 89.2 133.8

152 52.0 40.9 61.3

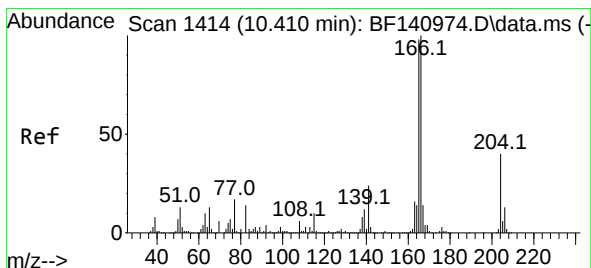
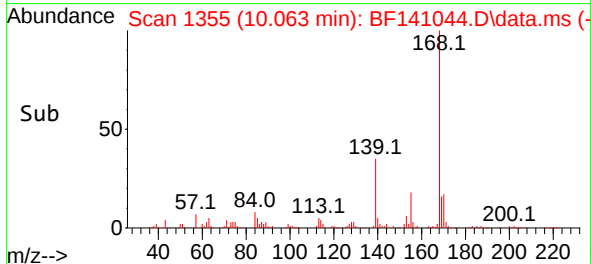
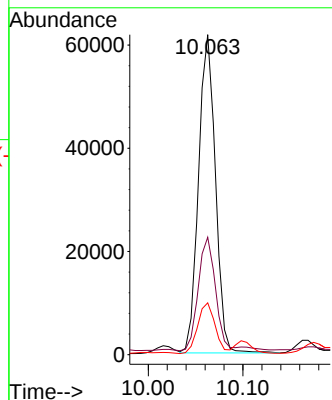
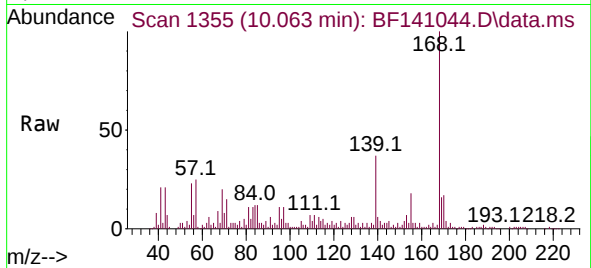




#55
Dibenzenofuran
Concen: 2.453 ng
RT: 10.063 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141044.D
Acq: 30 Dec 2024 21:11

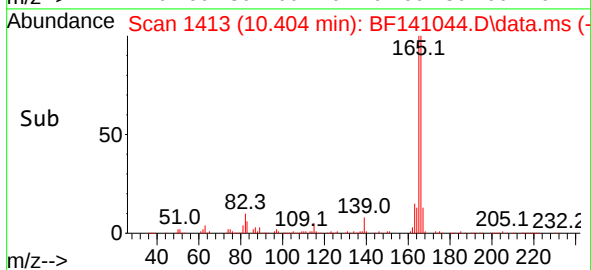
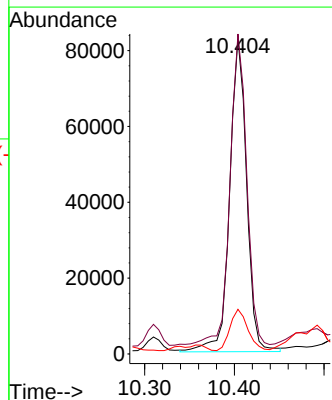
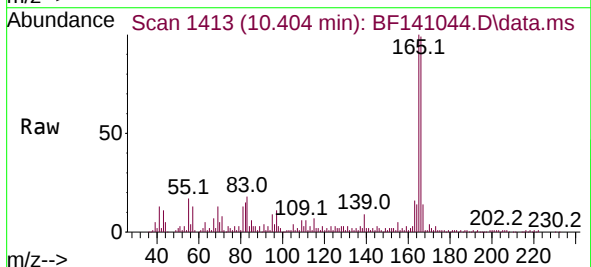
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EO-01-12272024

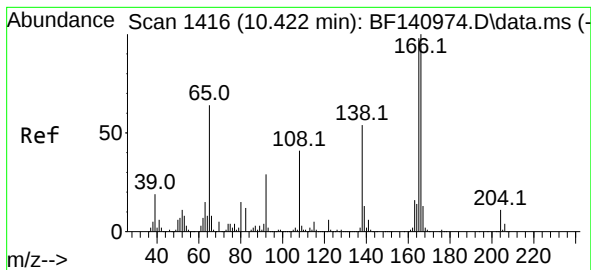
Tgt Ion:168 Resp: 76465
Ion Ratio Lower Upper
168 100
139 36.7 31.6 47.4
169 16.2 11.0 16.6



#58
Fluorene
Concen: 4.492 ng
RT: 10.404 min Scan# 1413
Delta R.T. -0.006 min
Lab File: BF141044.D
Acq: 30 Dec 2024 21:11

Tgt Ion:166 Resp: 108576
Ion Ratio Lower Upper
166 100
165 101.4 78.3 117.5
167 14.1 10.9 16.3

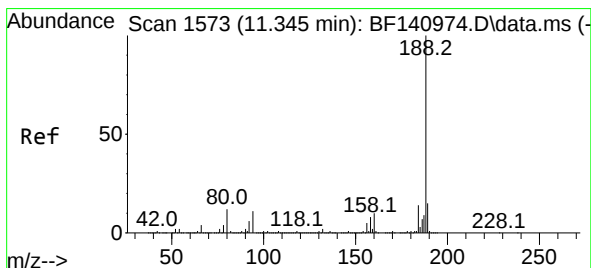
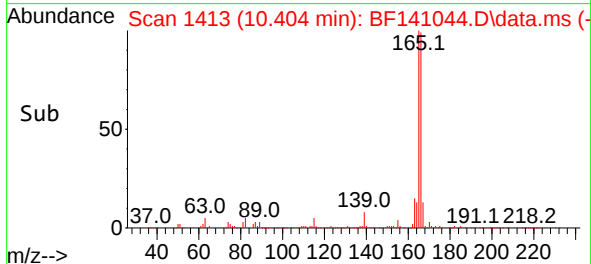
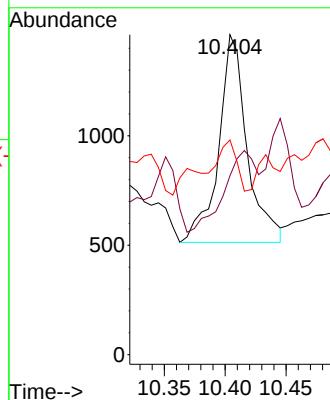
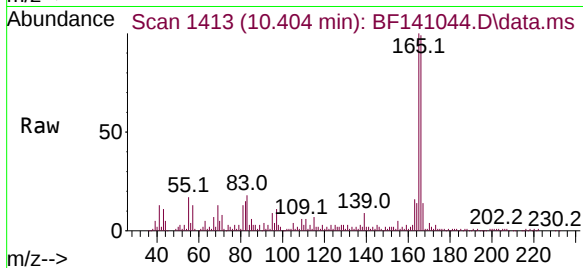




#62
4-Nitroaniline
Concen: 3.603 ng
RT: 10.404 min Scan# 1416
Delta R.T. -0.018 min
Lab File: BF141044.D
Acq: 30 Dec 2024 21:11

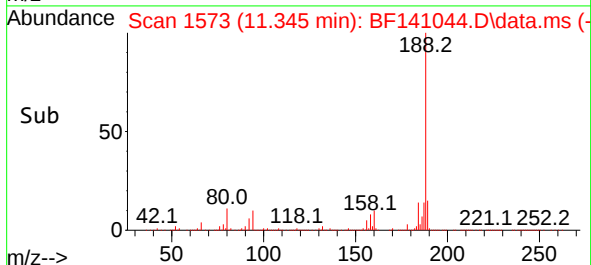
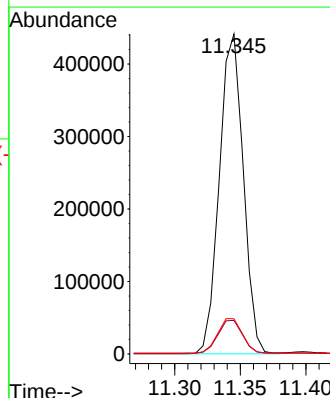
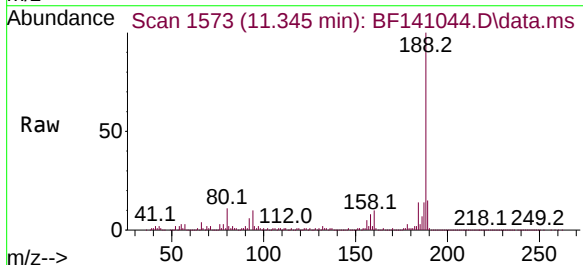
Instrument :
BNA_F
ClientSampleId :
EO-01-12272024

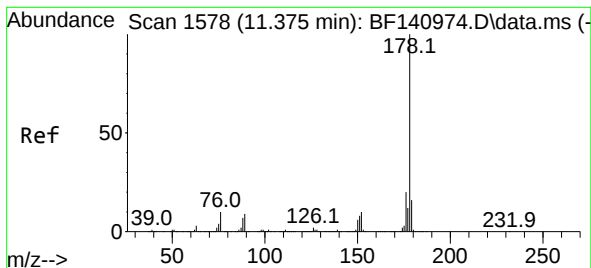
Tgt Ion:138 Resp: 1545
Ion Ratio Lower Upper
138 100
92 55.9 34.8 74.8
108 67.1 55.9 95.9



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.345 min Scan# 1573
Delta R.T. -0.000 min
Lab File: BF141044.D
Acq: 30 Dec 2024 21:11

Tgt Ion:188 Resp: 558939
Ion Ratio Lower Upper
188 100
94 10.5 9.0 13.6
80 11.0 9.8 14.6





#71

Phenanthrene

Concen: 31.397 ng

RT: 11.369 min Scan# 1577

Delta R.T. -0.006 min

Lab File: BF141044.D

Acq: 30 Dec 2024 21:11

Instrument :

BNA_F

ClientSampleId :

EO-01-12272024

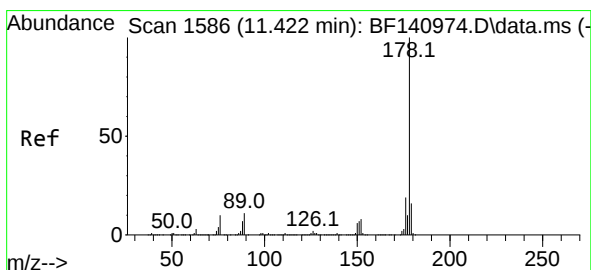
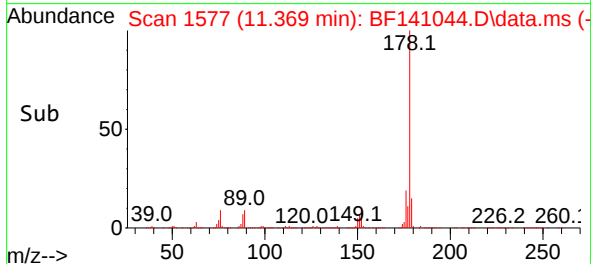
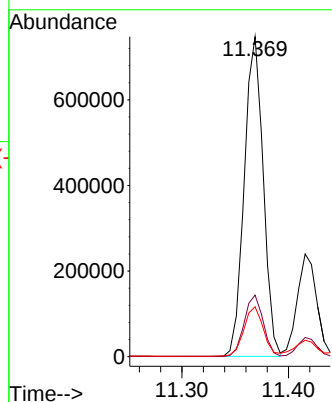
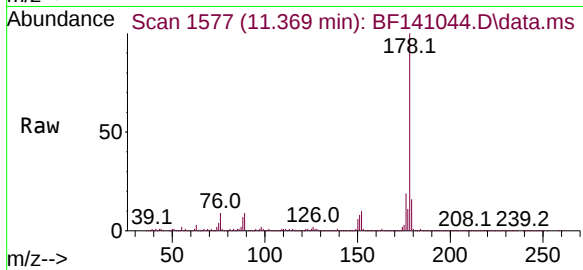
Tgt Ion:178 Resp: 923619

Ion Ratio Lower Upper

178 100

176 19.3 15.8 23.6

179 15.6 12.6 19.0



#72

Anthracene

Concen: 10.526 ng

RT: 11.416 min Scan# 1585

Delta R.T. -0.006 min

Lab File: BF141044.D

Acq: 30 Dec 2024 21:11

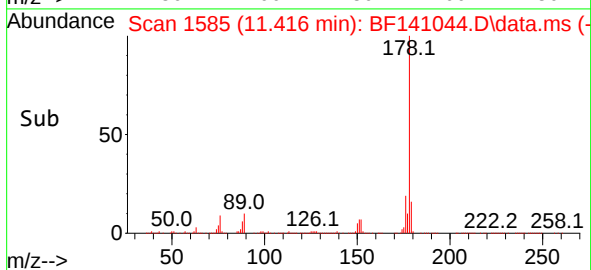
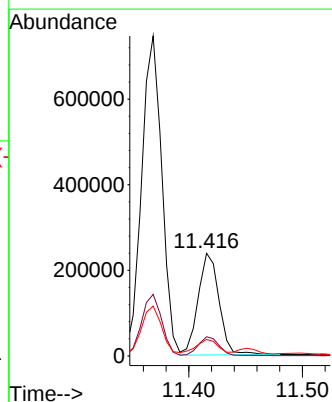
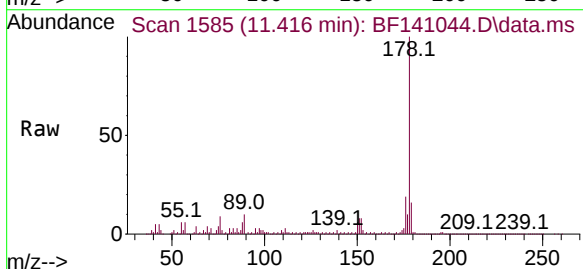
Tgt Ion:178 Resp: 303413

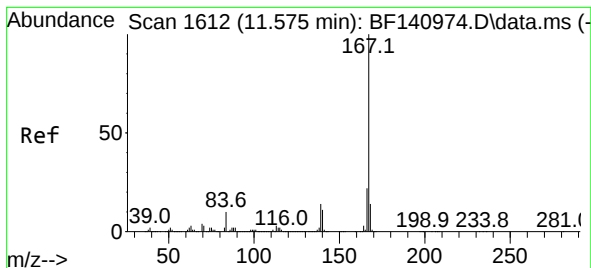
Ion Ratio Lower Upper

178 100

176 18.7 15.3 22.9

179 16.1 12.9 19.3





#73

Carbazole

Concen: 2.726 ng

RT: 11.569 min Scan# 1611

Delta R.T. -0.006 min

Lab File: BF141044.D

Acq: 30 Dec 2024 21:11

Instrument :

BNA_F

ClientSampleId :

EO-01-12272024

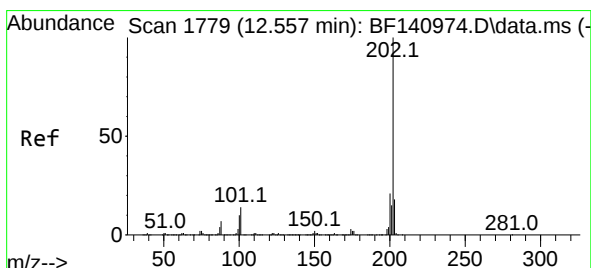
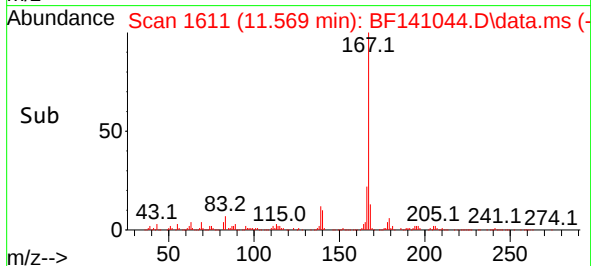
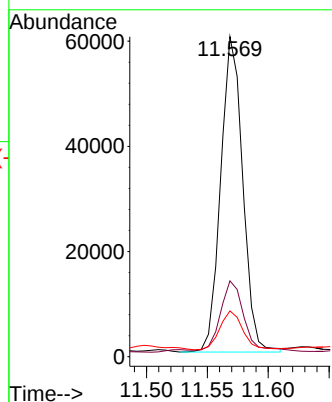
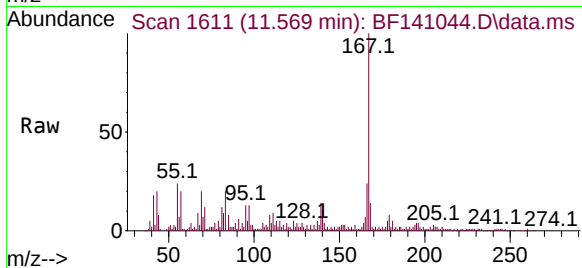
Tgt Ion:167 Resp: 75535

Ion Ratio Lower Upper

167 100

166 23.7 17.5 26.3

139 14.3 11.0 16.4



#75

Fluoranthene

Concen: 64.194 ng

RT: 12.557 min Scan# 1779

Delta R.T. -0.000 min

Lab File: BF141044.D

Acq: 30 Dec 2024 21:11

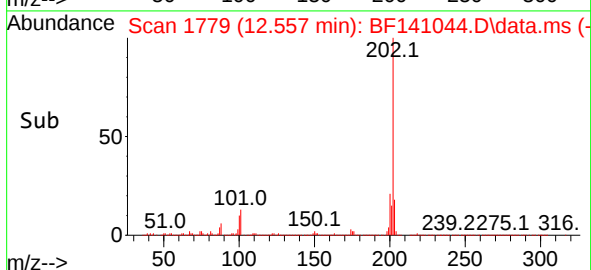
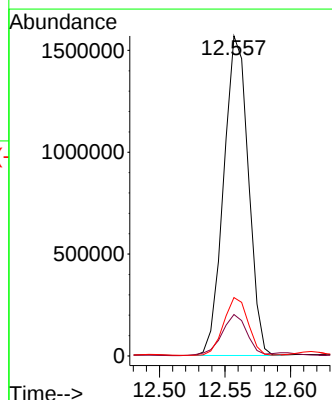
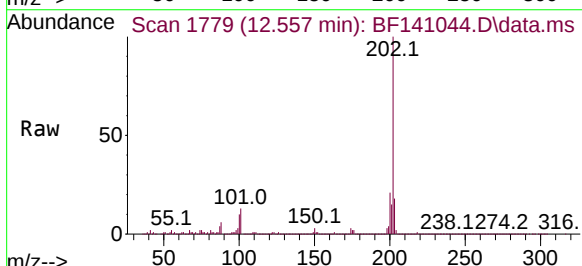
Tgt Ion:202 Resp: 2048109

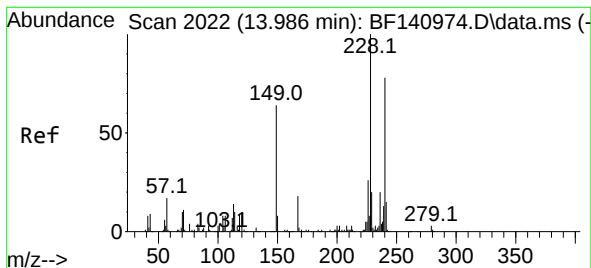
Ion Ratio Lower Upper

202 100

101 13.0 0.0 33.7

203 18.3 0.0 38.1





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.986 min Scan# 20

Delta R.T. -0.000 min

Lab File: BF141044.D

Acq: 30 Dec 2024 21:11

Instrument :

BNA_F

ClientSampleId :

EO-01-12272024

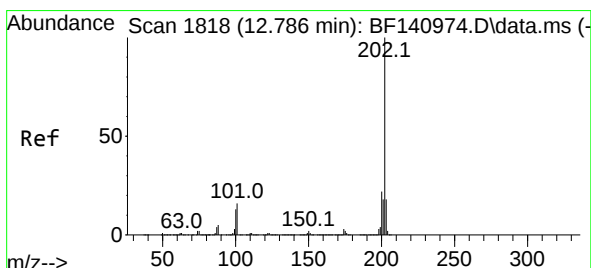
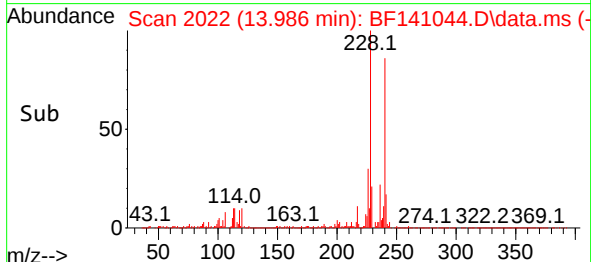
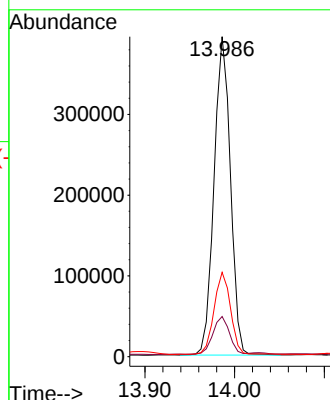
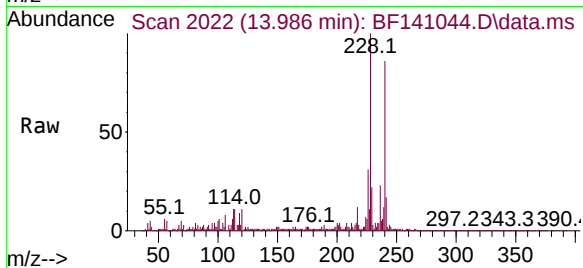
Tgt Ion:240 Resp: 499944

Ion Ratio Lower Upper

240 100

120 12.5 10.7 16.1

236 26.3 20.6 31.0



#78

Pyrene

Concen: 41.089 ng

RT: 12.786 min Scan# 1818

Delta R.T. -0.000 min

Lab File: BF141044.D

Acq: 30 Dec 2024 21:11

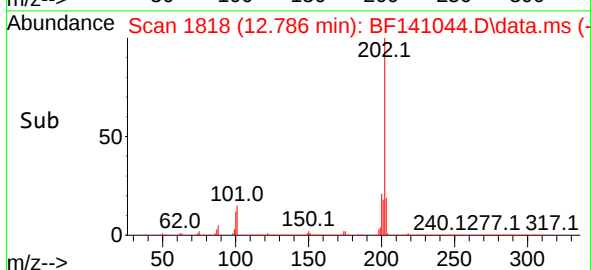
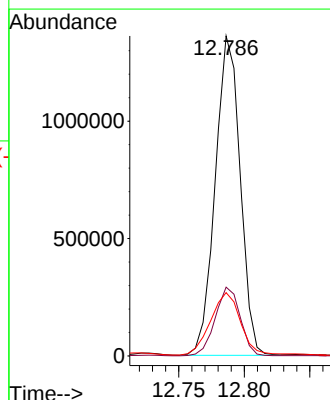
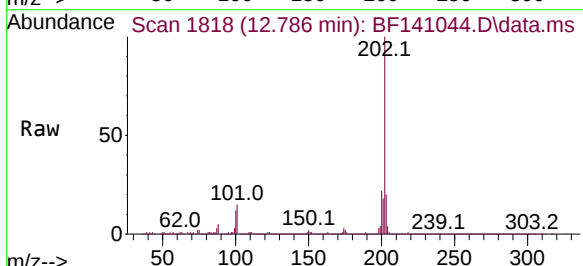
Tgt Ion:202 Resp: 1796572

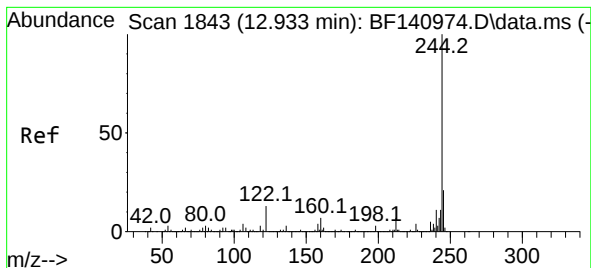
Ion Ratio Lower Upper

202 100

200 21.5 17.3 25.9

203 19.8 14.6 21.8





#79

Terphenyl-d14

Concen: 25.202 ng

RT: 12.933 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF141044.D

Acq: 30 Dec 2024 21:11

Instrument :

BNA_F

ClientSampleId :

EO-01-12272024

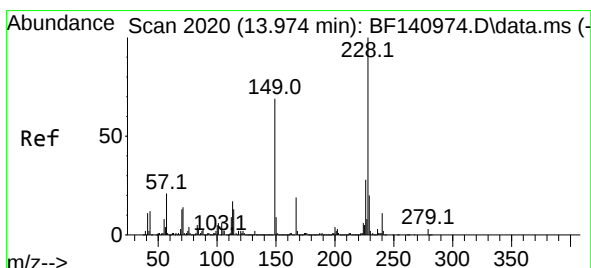
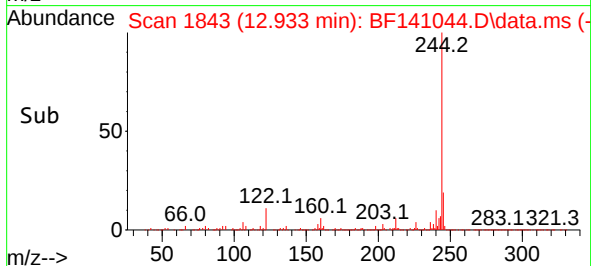
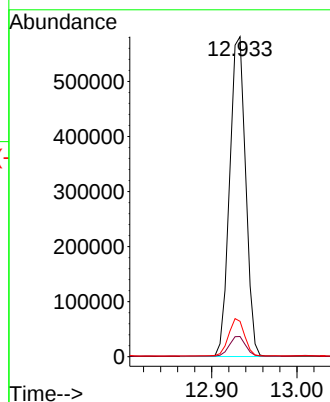
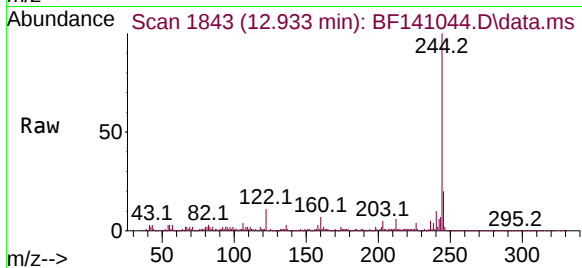
Tgt Ion:244 Resp: 758562

Ion Ratio Lower Upper

244 100

212 6.3 5.7 8.5

122 11.0 10.2 15.2



#81

Benzo(a)anthracene

Concen: 31.765 ng

RT: 13.974 min Scan# 2020

Delta R.T. -0.000 min

Lab File: BF141044.D

Acq: 30 Dec 2024 21:11

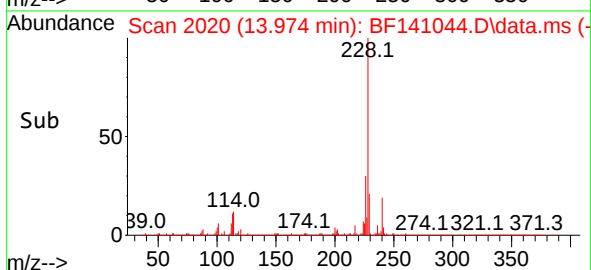
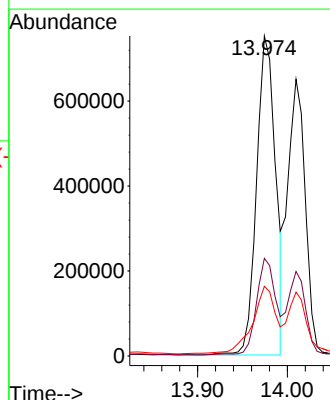
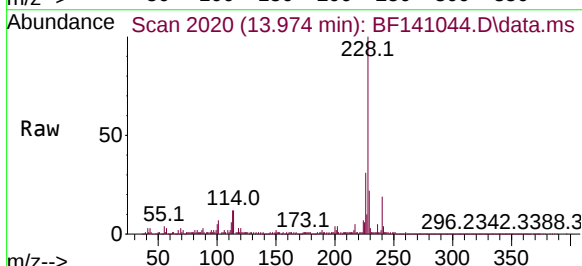
Tgt Ion:228 Resp: 1106808

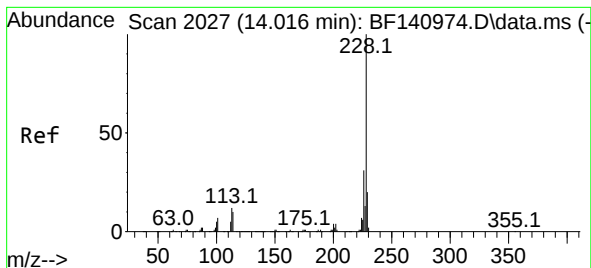
Ion Ratio Lower Upper

228 100

226 30.5 22.1 33.1

229 21.8 16.2 24.2





#83

Chrysene

Concen: 27.825 ng

RT: 14.010 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF141044.D

Acq: 30 Dec 2024 21:11

Instrument :

BNA_F

ClientSampleId :

EO-01-12272024

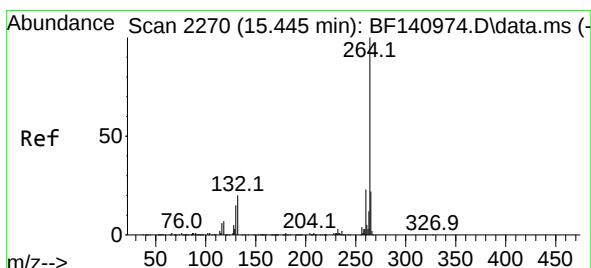
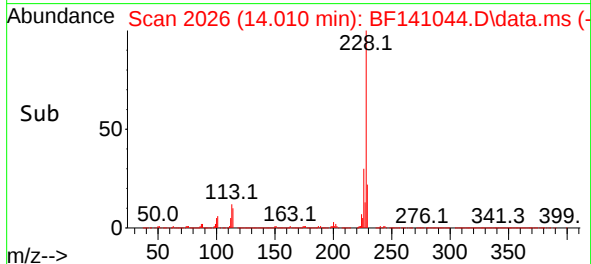
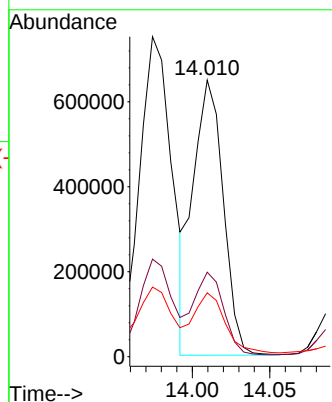
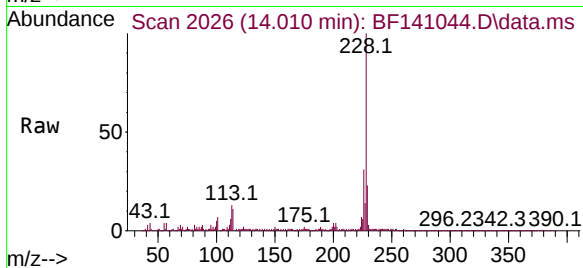
Tgt Ion:228 Resp: 873978

Ion Ratio Lower Upper

228 100

226 30.5 24.5 36.7

229 23.0 16.2 24.4



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.445 min Scan# 2270

Delta R.T. -0.000 min

Lab File: BF141044.D

Acq: 30 Dec 2024 21:11

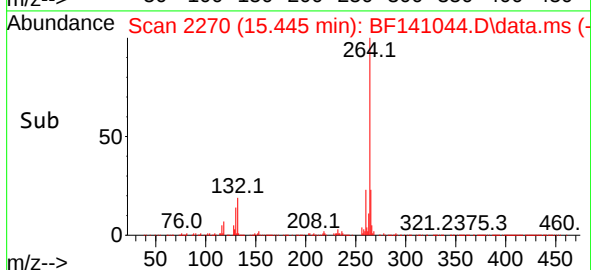
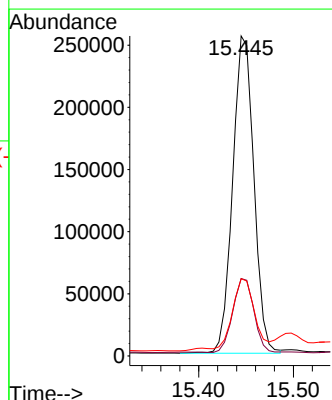
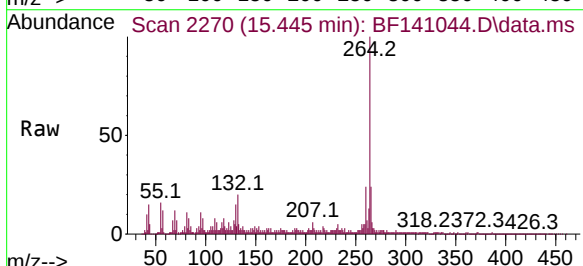
Tgt Ion:264 Resp: 397440

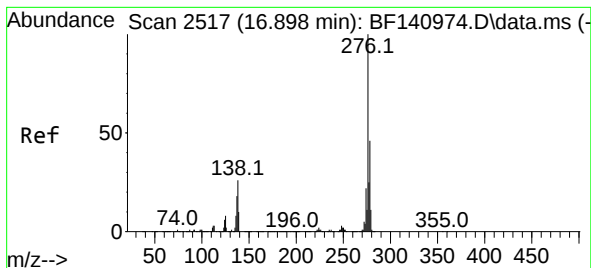
Ion Ratio Lower Upper

264 100

260 24.2 18.7 28.1

265 24.2 17.4 26.2





#87

Indeno(1,2,3-cd)pyrene

Concen: 17.186 ng m

RT: 16.898 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF141044.D

Acq: 30 Dec 2024 21:11

Instrument :

BNA_F

ClientSampleId :

EO-01-12272024

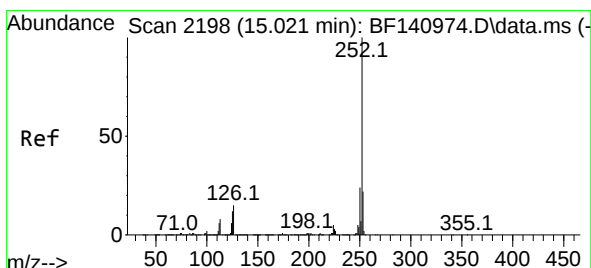
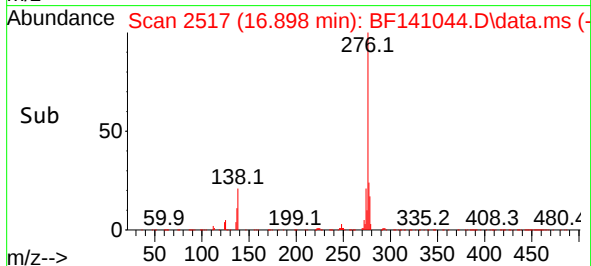
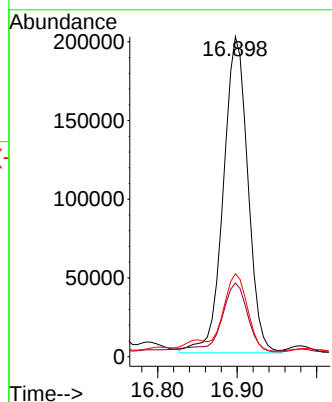
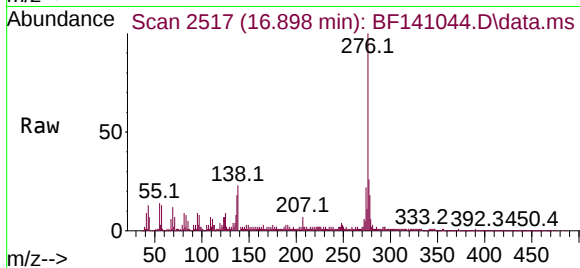
Tgt Ion:276 Resp: 430342

Ion Ratio Lower Upper

276 100

138 4.2 23.1 34.7#

277 4.2 20.4 30.6#



#88

Benzo(b)fluoranthene

Concen: 38.694 ng m

RT: 15.027 min Scan# 2199

Delta R.T. 0.006 min

Lab File: BF141044.D

Acq: 30 Dec 2024 21:11

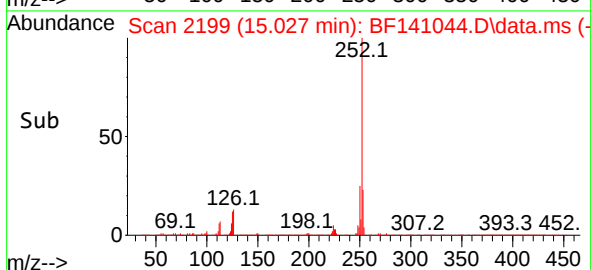
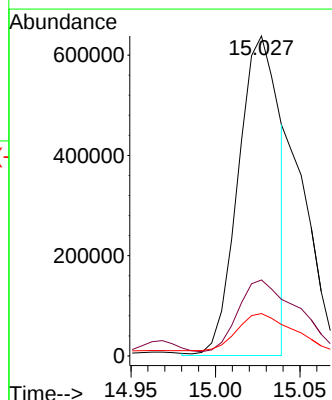
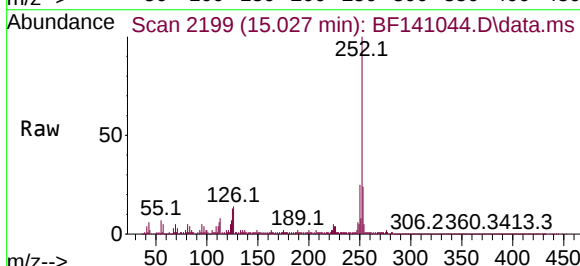
Tgt Ion:252 Resp: 1072550

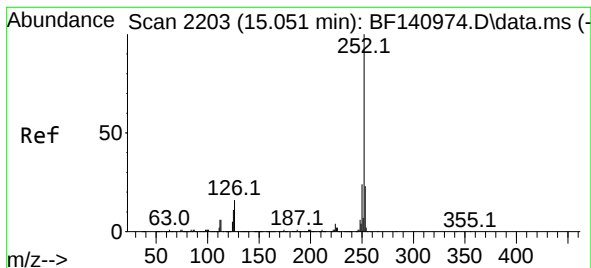
Ion Ratio Lower Upper

252 100

253 23.8 17.7 26.5

125 13.2 9.3 13.9





#89

Benzo(k)fluoranthene

Concen: 19.950 ng m

RT: 15.039 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF141044.D

Acq: 30 Dec 2024 21:11

Instrument :

BNA_F

ClientSampleId :

EO-01-12272024

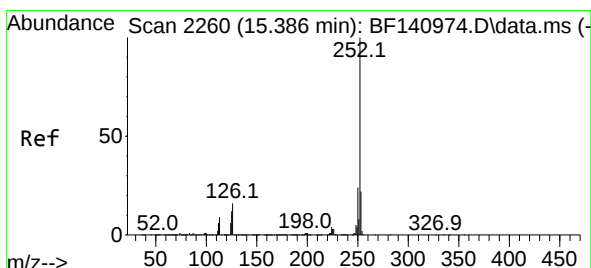
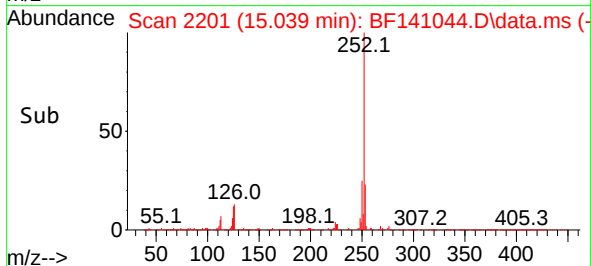
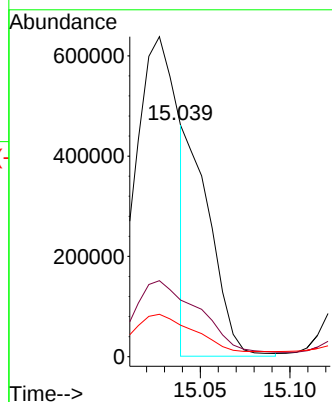
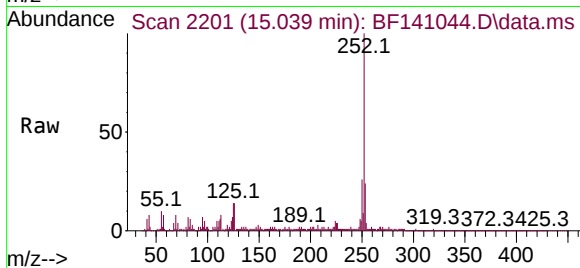
Tgt Ion:252 Resp: 433411

Ion Ratio Lower Upper

252 100

253 24.5 17.8 26.8

125 13.6 9.4 14.0



#90

Benzo(a)pyrene

Concen: 34.051 ng

RT: 15.386 min Scan# 2260

Delta R.T. -0.000 min

Lab File: BF141044.D

Acq: 30 Dec 2024 21:11

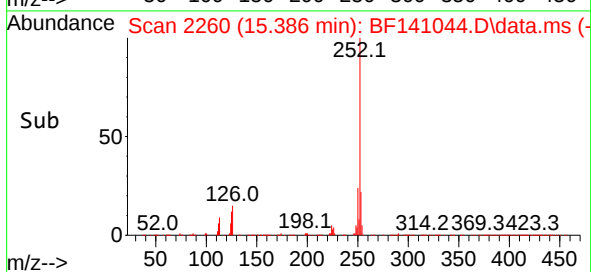
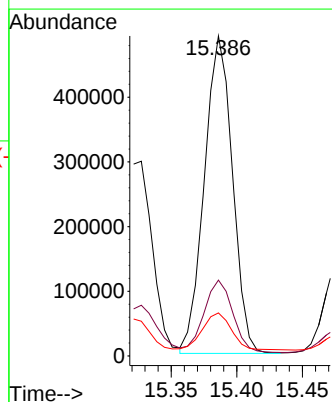
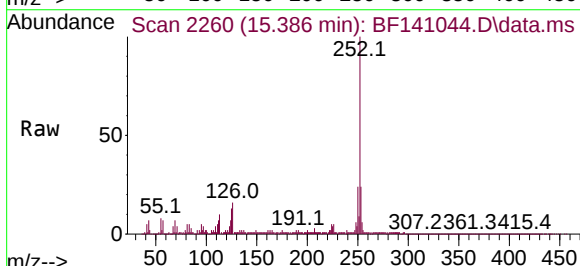
Tgt Ion:252 Resp: 732599

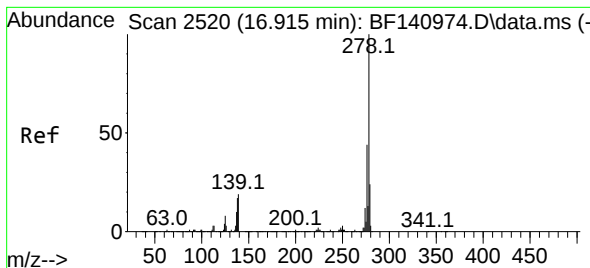
Ion Ratio Lower Upper

252 100

253 23.7 17.2 25.8

125 13.5 9.8 14.8





#91

Dibenzo(a,h)anthracene

Concen: 4.910 ng

RT: 16.909 min Scan# 2519

Delta R.T. -0.006 min

Lab File: BF141044.D

Acq: 30 Dec 2024 21:11

Instrument :

BNA_F

ClientSampleId :

EO-01-12272024

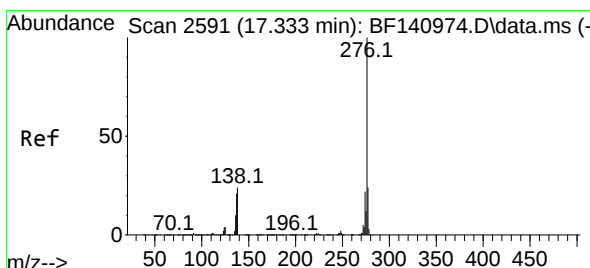
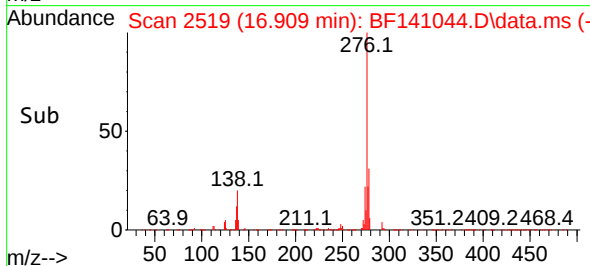
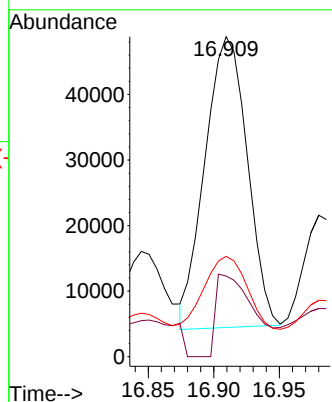
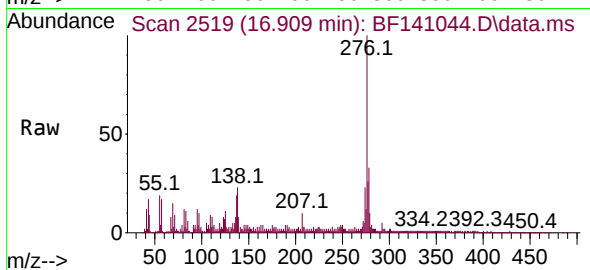
Tgt Ion:278 Resp: 99658

Ion Ratio Lower Upper

278 100

139 25.2 14.9 22.3#

279 31.3 19.0 28.6#



#92

Benzo(g,h,i)perylene

Concen: 17.755 ng

RT: 17.339 min Scan# 2592

Delta R.T. 0.006 min

Lab File: BF141044.D

Acq: 30 Dec 2024 21:11

Tgt Ion:276 Resp: 373770

Ion Ratio Lower Upper

276 100

277 25.0 19.0 28.4

138 23.6 19.4 29.2

