

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF010825\
 Data File : BF141098.D
 Acq On : 08 Jan 2025 21:34
 Operator : RC/JU
 Sample : Q1027-01 5X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EO-03-010725

Quant Time: Jan 09 00:05:39 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)

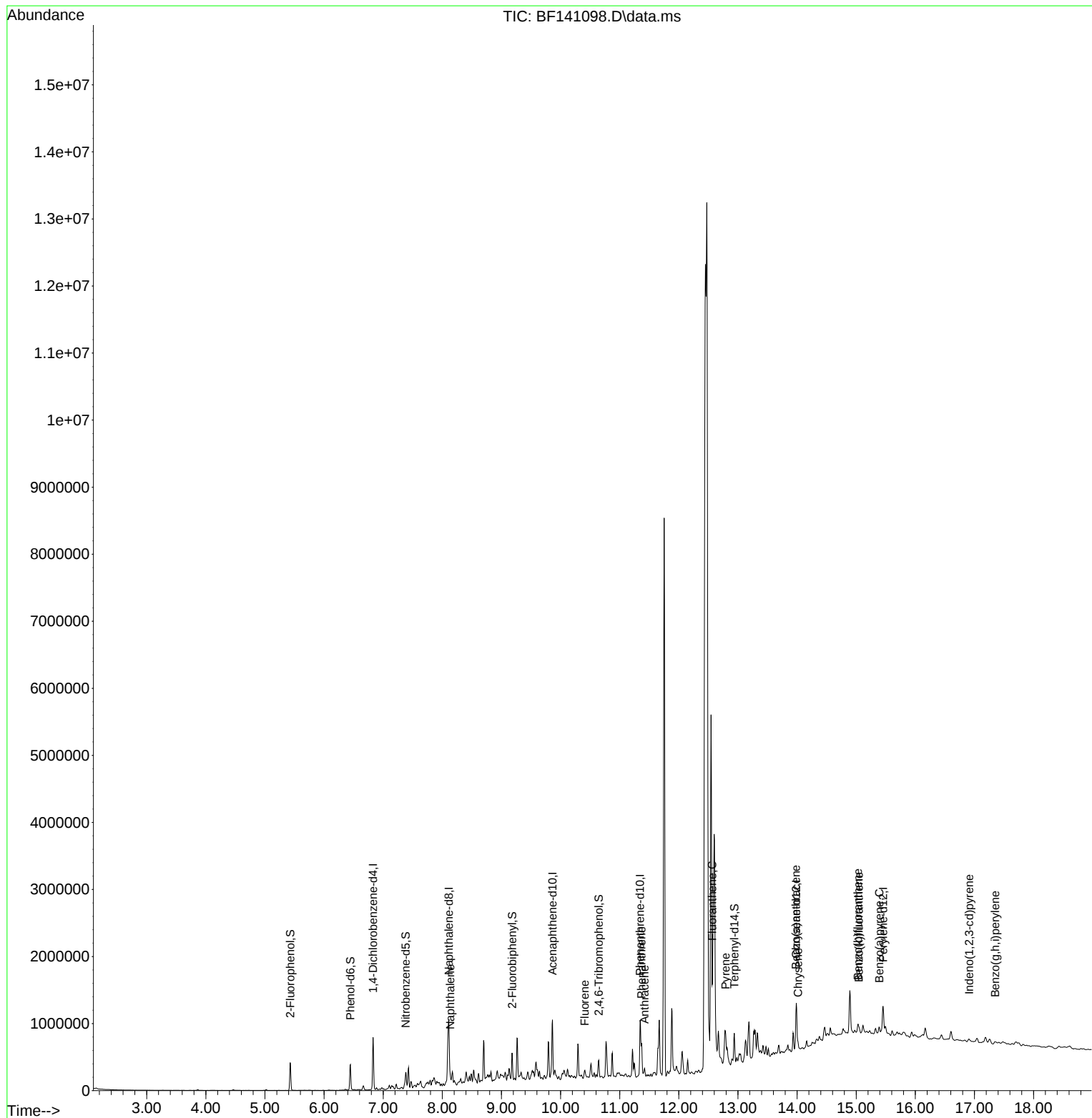
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.828	152	159018	20.000	ng	0.00
21) Naphthalene-d8	8.110	136	536440	20.000	ng	0.00
39) Acenaphthene-d10	9.863	164	247279	20.000	ng	0.00
64) Phenanthrene-d10	11.345	188	431853	20.000	ng	0.00
76) Chrysene-d12	13.986	240	285069	20.000	ng	0.00
86) Perylene-d12	15.457	264	244593	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	156555	14.840	ng	0.00
7) Phenol-d6	6.445	99	184251	13.558	ng	0.00
23) Nitrobenzene-d5	7.381	82	101251	12.076	ng	-0.01
42) 2,4,6-Tribromophenol	10.645	330	38539	16.039	ng	0.00
45) 2-Fluorobiphenyl	9.181	172	177751	11.453	ng	0.00
79) Terphenyl-d14	12.939	244	204652	11.924	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.133	128	59805m	2.116	ng	
58) Fluorene	10.410	166	36930m	2.371	ng	
71) Phenanthrene	11.369	178	253827	11.168	ng	99
72) Anthracene	11.422	178	66478	2.985	ng	98
75) Fluoranthene	12.563	202	247631	10.046	ng	98
78) Pyrene	12.792	202	210714	8.452	ng	98
81) Benzo(a)anthracene	13.980	228	87432	4.401	ng	93
83) Chrysene	14.015	228	62768m	3.505	ng	
87) Indeno(1,2,3-cd)pyrene	16.909	276	31496	2.044	ng	# 93
88) Benzo(b)fluoranthene	15.027	252	77508m	4.544	ng	
89) Benzo(k)fluoranthene	15.045	252	27378m	2.048	ng	
90) Benzo(a)pyrene	15.392	252	57055	4.309	ng	# 79
92) Benzo(g,h,i)perylene	17.351	276	33417	2.579	ng	# 85

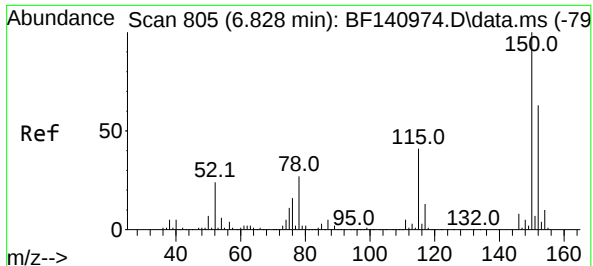
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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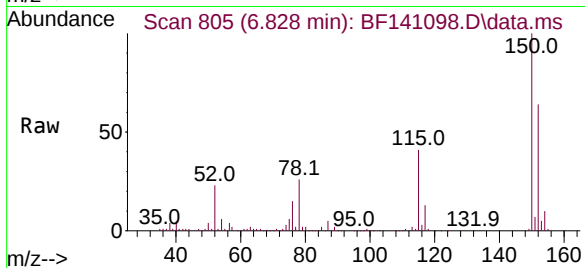
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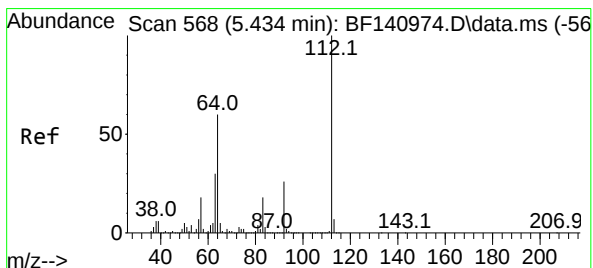
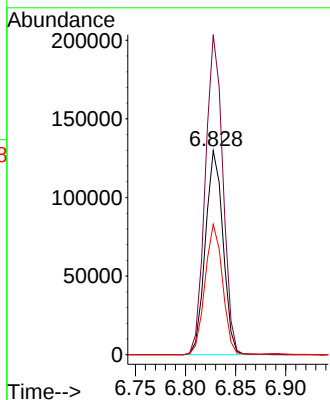
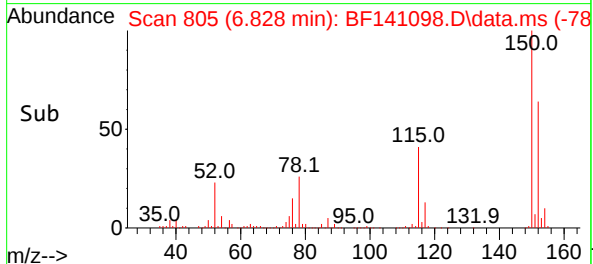


#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.828 min Scan# 805
 Delta R.T. -0.000 min
 Lab File: BF141098.D
 Acq: 08 Jan 2025 21:34

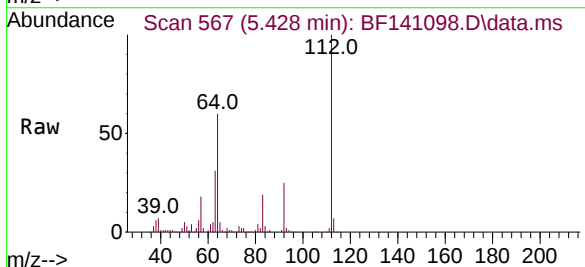
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 BNA_F
 ClientSampleId :
 EO-03-010725



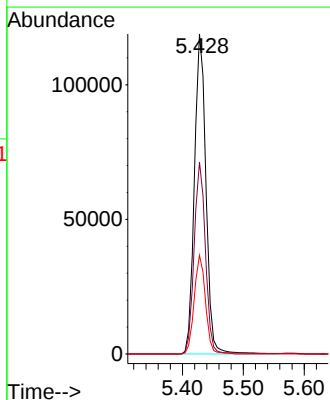
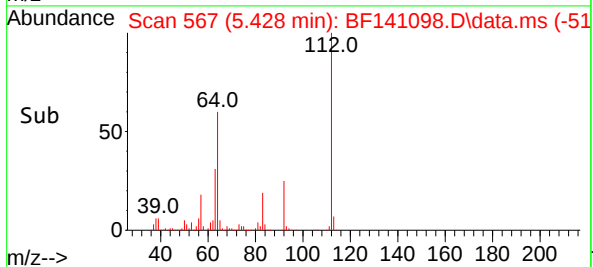
Tgt Ion:152 Resp: 159018
 Ion Ratio Lower Upper
 152 100
 150 156.9 127.0 190.6
 115 63.9 51.7 77.5

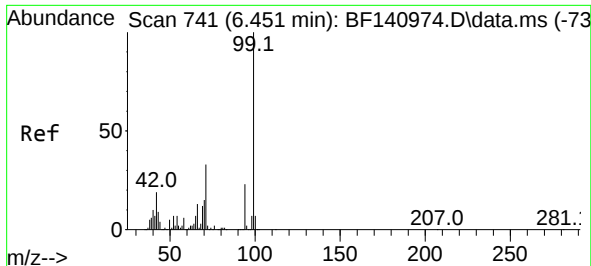


#5
 2-Fluorophenol
 Concen: 14.840 ng
 RT: 5.428 min Scan# 567
 Delta R.T. -0.006 min
 Lab File: BF141098.D
 Acq: 08 Jan 2025 21:34



Tgt Ion:112 Resp: 156555
 Ion Ratio Lower Upper
 112 100
 64 60.0 47.7 71.5
 63 30.9 24.2 36.2

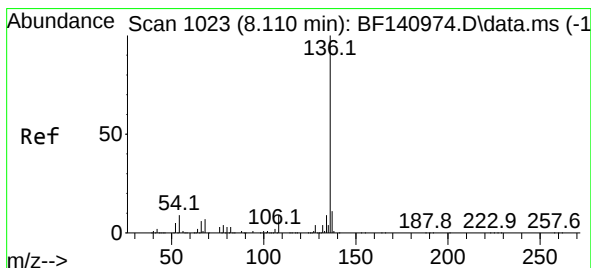
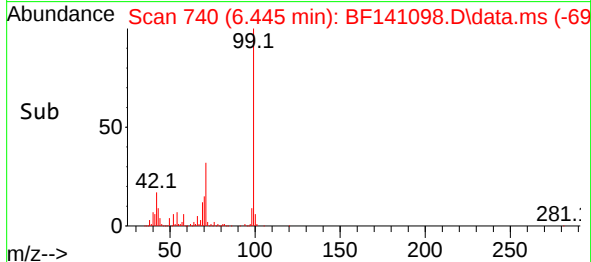
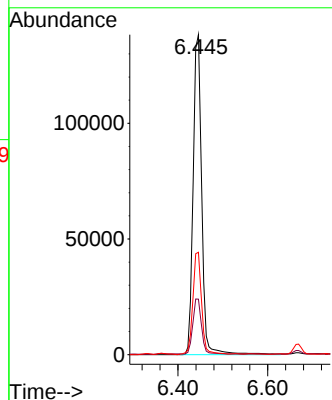
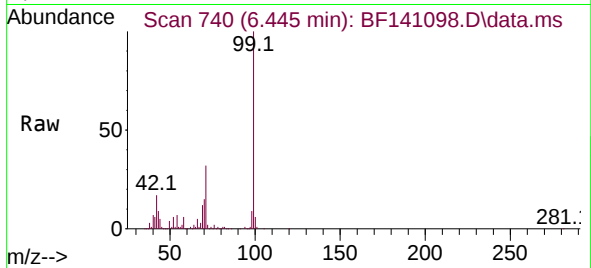




#7
Phenol-d6
Concen: 13.558 ng
RT: 6.445 min Scan# 741
Delta R.T. -0.006 min
Lab File: BF141098.D
Acq: 08 Jan 2025 21:34

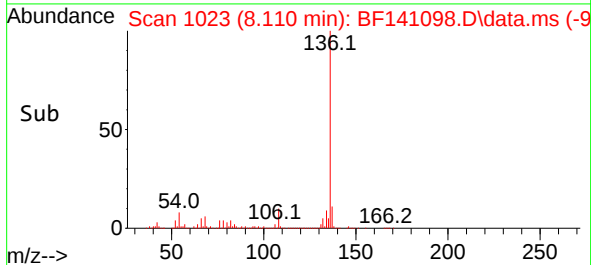
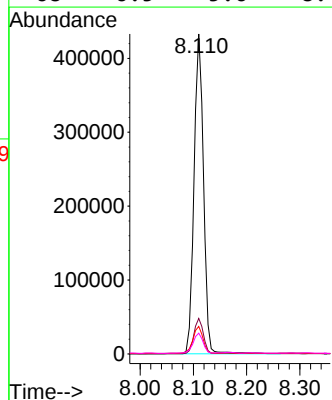
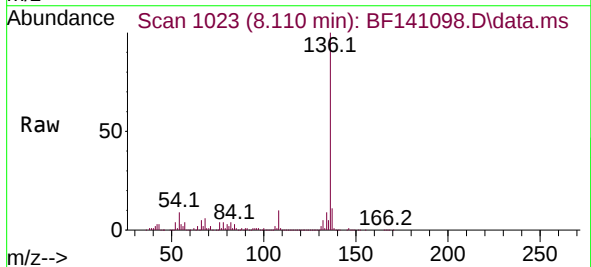
Instrument :
BNA_F
ClientSampleId :
EO-03-010725

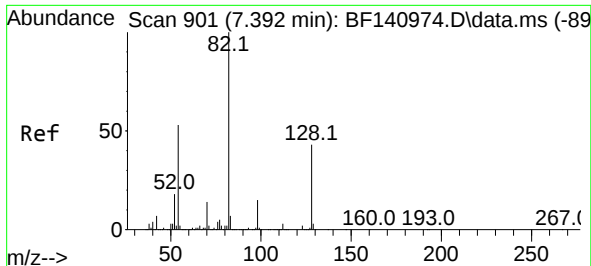
Tgt Ion: 99 Resp: 184251
Ion Ratio Lower Upper
99 100
42 17.3 15.0 22.4
71 32.0 26.2 39.2



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.110 min Scan# 1023
Delta R.T. -0.000 min
Lab File: BF141098.D
Acq: 08 Jan 2025 21:34

Tgt Ion: 136 Resp: 536440
Ion Ratio Lower Upper
136 100
137 11.1 9.0 13.4
54 8.6 7.6 11.4
68 6.5 5.6 8.4

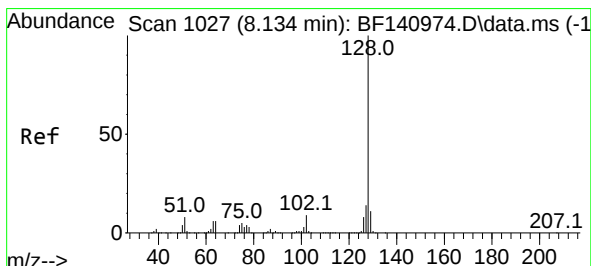
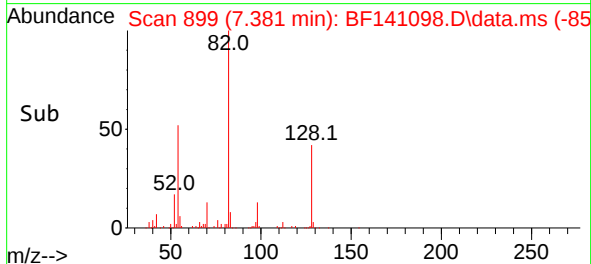
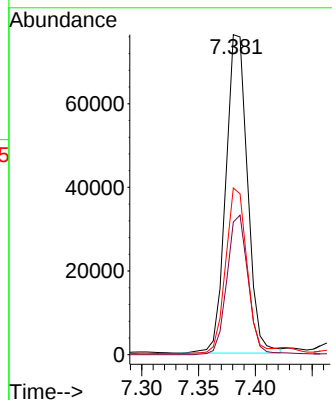
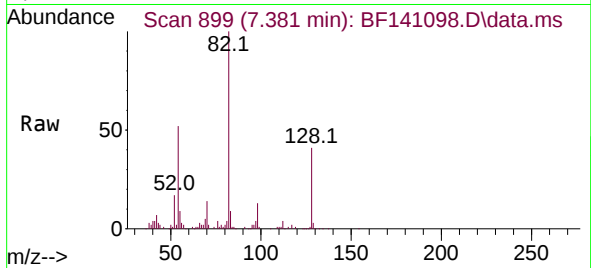




#23
Nitrobenzene-d5
Concen: 12.076 ng
RT: 7.381 min Scan# 899
Delta R.T. -0.012 min
Lab File: BF141098.D
Acq: 08 Jan 2025 21:34

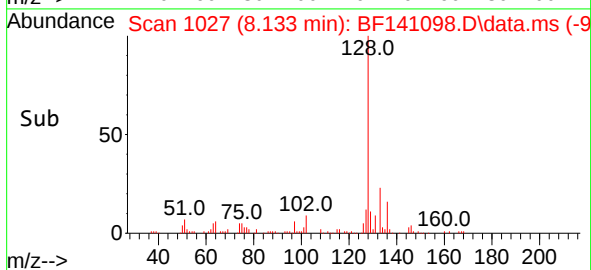
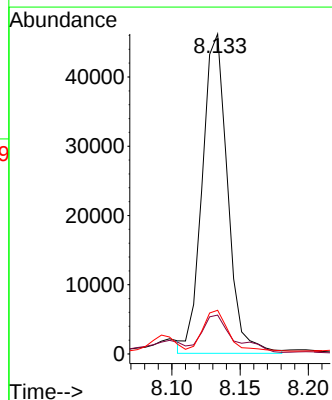
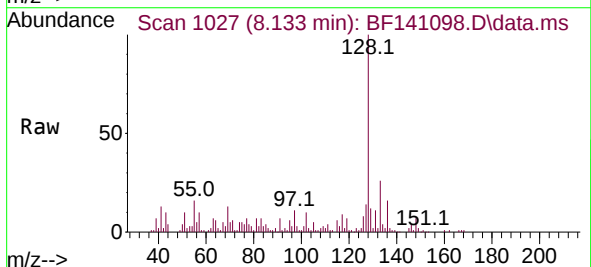
Instrument :
BNA_F
ClientSampleId :
EO-03-010725

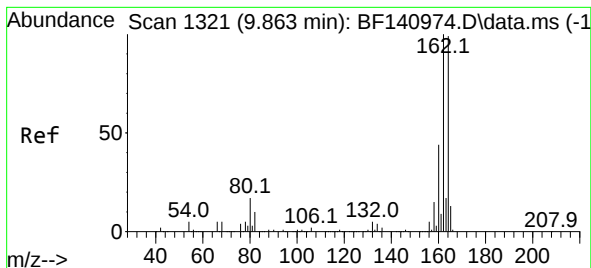
Tgt Ion: 82 Resp: 101251
Ion Ratio Lower Upper
82 100
128 41.5 34.4 51.6
54 52.1 42.4 63.6



#31
Naphthalene
Concen: 2.116 ng m
RT: 8.133 min Scan# 1027
Delta R.T. -0.000 min
Lab File: BF141098.D
Acq: 08 Jan 2025 21:34

Tgt Ion:128 Resp: 59805
Ion Ratio Lower Upper
128 100
129 12.1 9.2 13.8
127 13.7 11.0 16.4





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.863 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF141098.D

Acq: 08 Jan 2025 21:34

Instrument :

BNA_F

ClientSampleId :

EO-03-010725

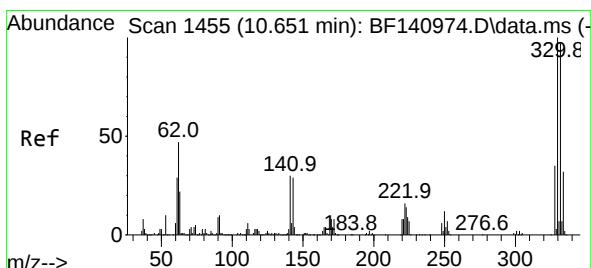
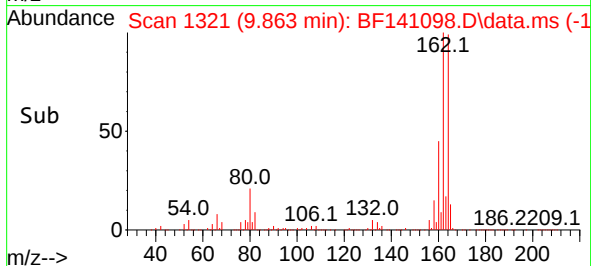
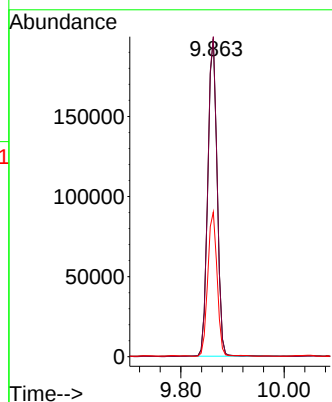
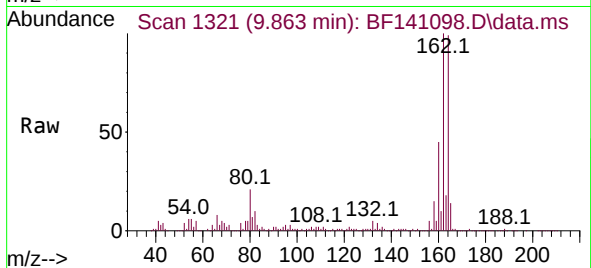
Tgt Ion:164 Resp: 247279

Ion Ratio Lower Upper

164 100

162 100.6 80.6 120.8

160 45.5 35.7 53.5



#42

2,4,6-Tribromophenol

Concen: 16.039 ng

RT: 10.645 min Scan# 1454

Delta R.T. -0.006 min

Lab File: BF141098.D

Acq: 08 Jan 2025 21:34

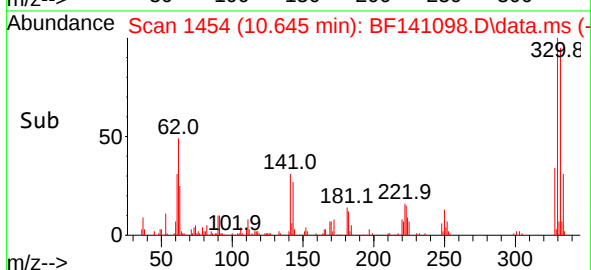
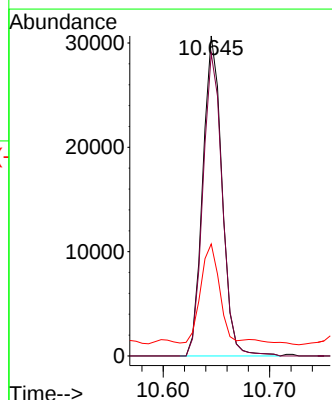
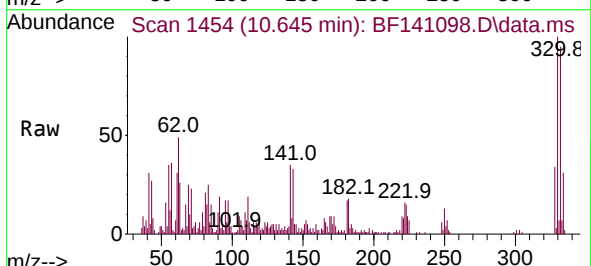
Tgt Ion:330 Resp: 38539

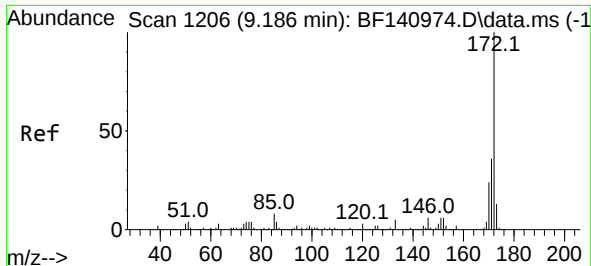
Ion Ratio Lower Upper

330 100

332 95.4 78.0 117.0

141 30.2 26.4 39.6

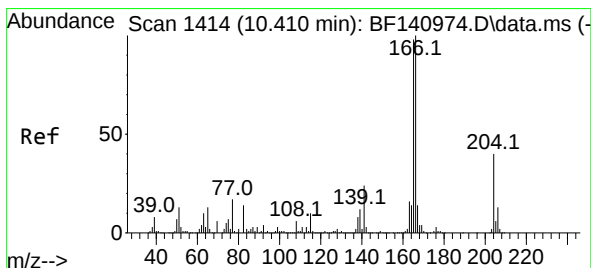
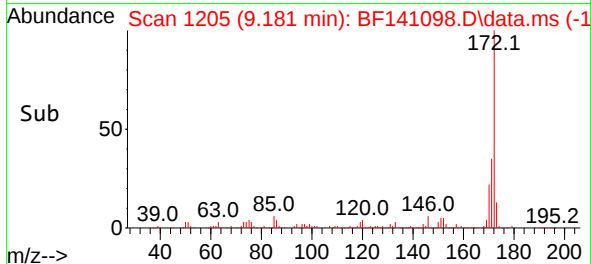
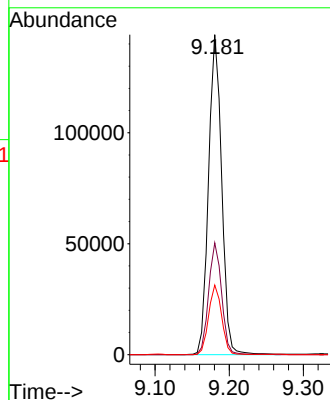
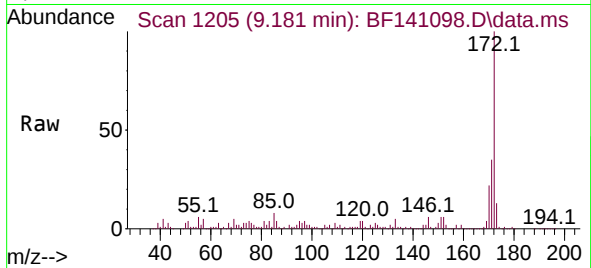




#45
2-Fluorobiphenyl
Concen: 11.453 ng
RT: 9.181 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141098.D
Acq: 08 Jan 2025 21:34

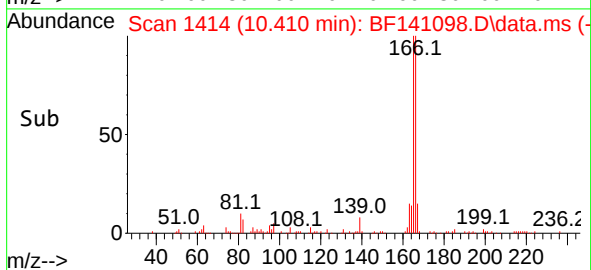
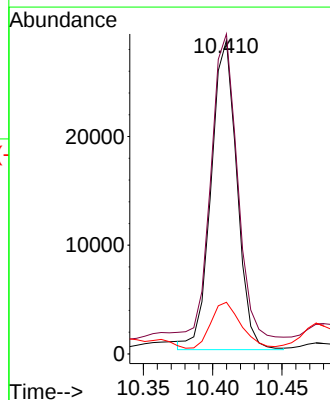
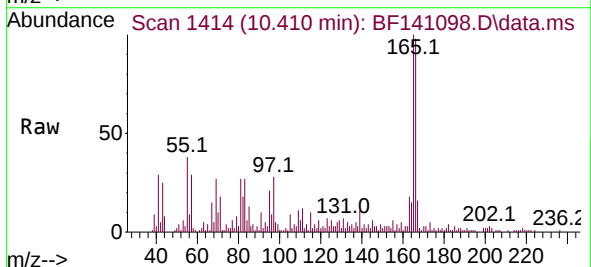
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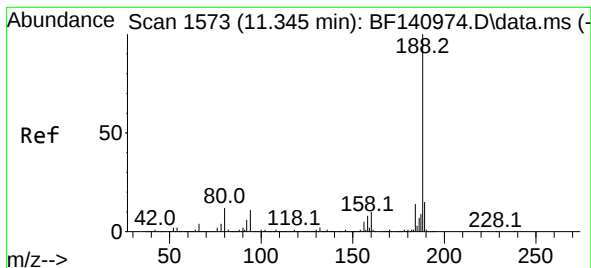
Tgt Ion:172 Resp: 177751
Ion Ratio Lower Upper
172 100
171 35.0 29.0 43.4
170 21.7 19.6 29.4



#58
Fluorene
Concen: 2.371 ng m
RT: 10.410 min Scan# 1414
Delta R.T. -0.000 min
Lab File: BF141098.D
Acq: 08 Jan 2025 21:34

Tgt Ion:166 Resp: 36930
Ion Ratio Lower Upper
166 100
165 102.1 78.3 117.5
167 16.5 10.9 16.3#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.345 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF141098.D

Acq: 08 Jan 2025 21:34

Instrument :

BNA_F

ClientSampleId :

EO-03-010725

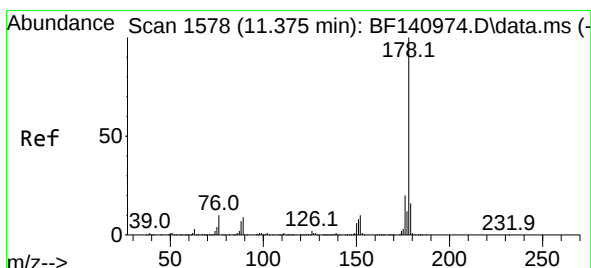
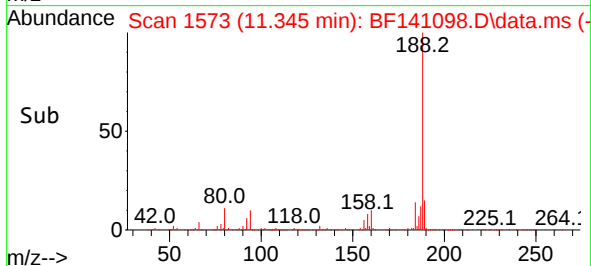
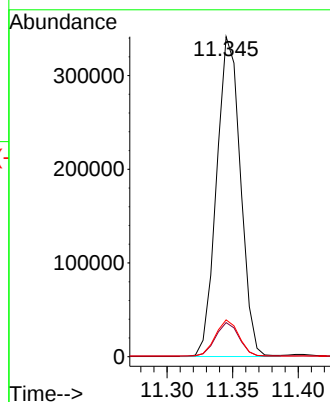
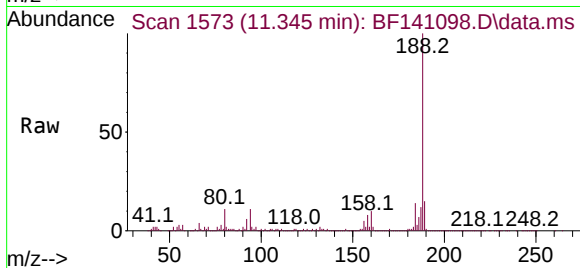
Tgt Ion:188 Resp: 431853

Ion Ratio Lower Upper

188 100

94 10.7 9.0 13.6

80 11.5 9.8 14.6



#71

Phenanthrene

Concen: 11.168 ng

RT: 11.369 min Scan# 1577

Delta R.T. -0.006 min

Lab File: BF141098.D

Acq: 08 Jan 2025 21:34

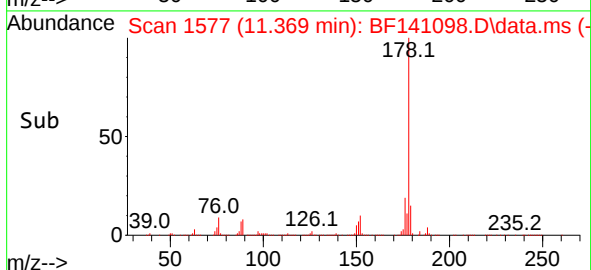
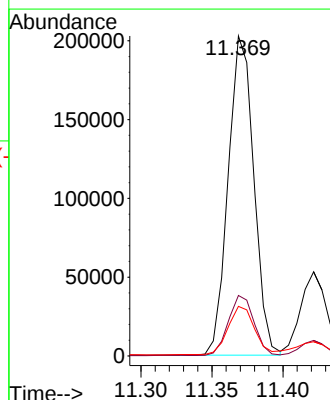
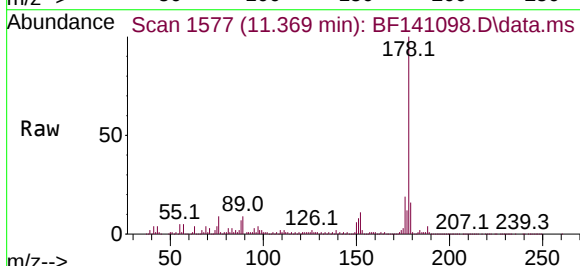
Tgt Ion:178 Resp: 253827

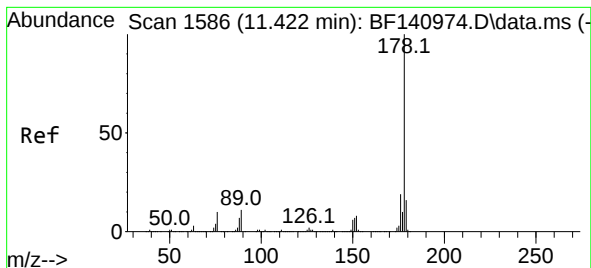
Ion Ratio Lower Upper

178 100

176 18.9 15.8 23.6

179 15.5 12.6 19.0

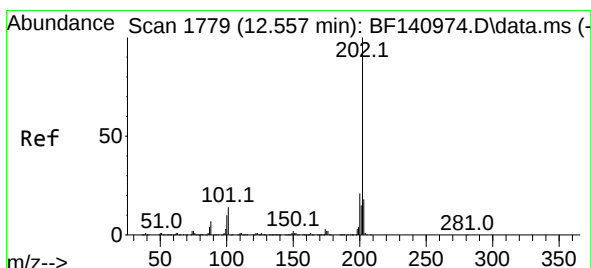
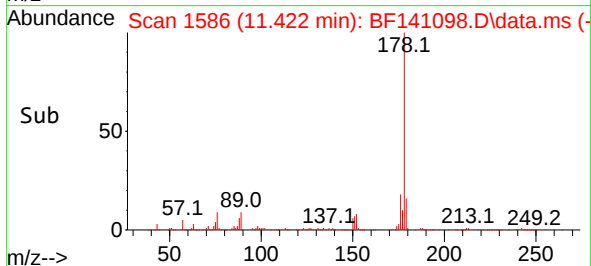
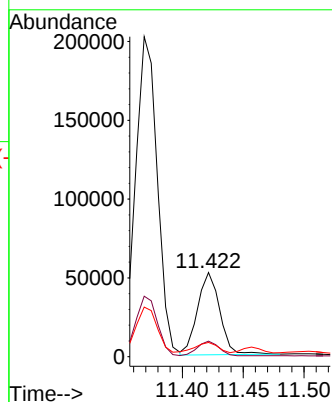
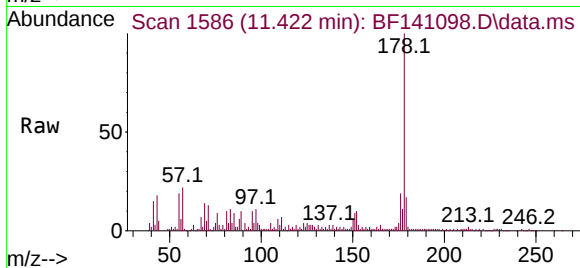




#72
 Anthracene
 Concen: 2.985 ng
 RT: 11.422 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: BF141098.D
 Acq: 08 Jan 2025 21:34

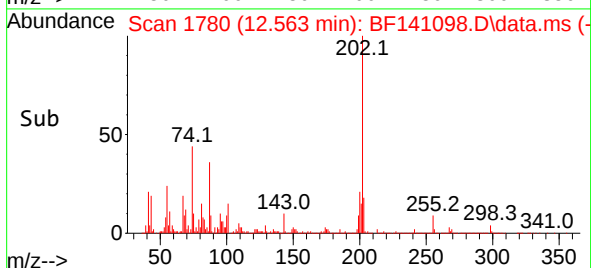
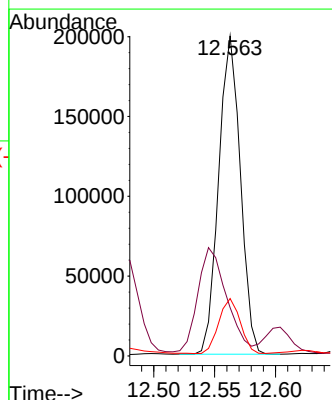
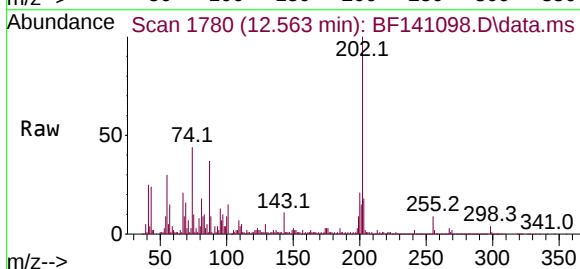
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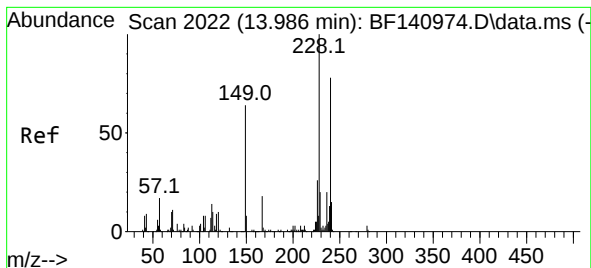
Tgt Ion:	178	Resp:	66478
Ion Ratio	Lower	Upper	
178	100		
176	18.5	15.3	22.9
179	17.0	12.9	19.3



#75
 Fluoranthene
 Concen: 10.046 ng
 RT: 12.563 min Scan# 1780
 Delta R.T. 0.006 min
 Lab File: BF141098.D
 Acq: 08 Jan 2025 21:34

Tgt Ion:	202	Resp:	247631
Ion Ratio	Lower	Upper	
202	100		
101	15.1	0.0	33.7
203	18.0	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: BF141098.D

Acq: 08 Jan 2025 21:34

Instrument :

BNA_F

ClientSampleId :

EO-03-010725

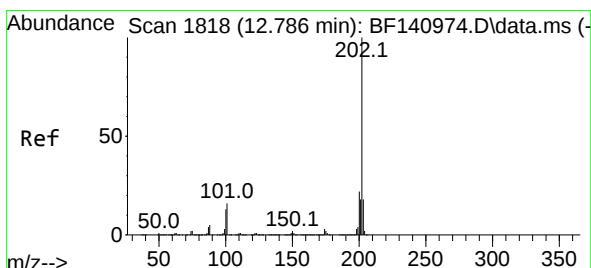
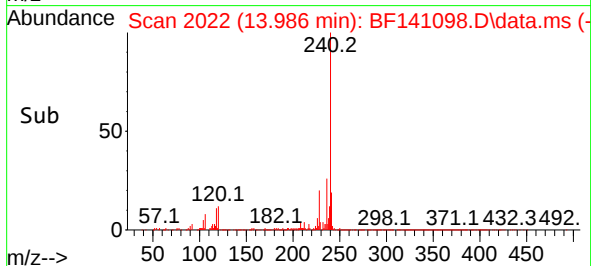
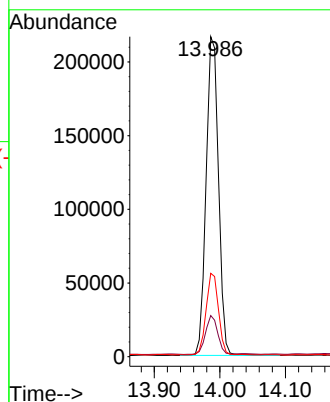
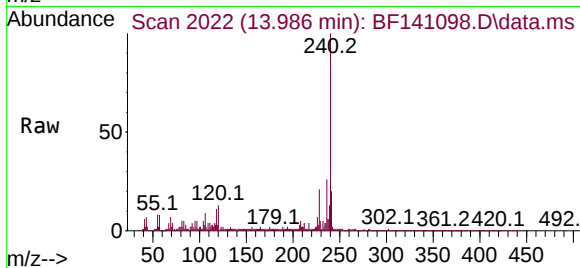
Tgt Ion:240 Resp: 285069

Ion Ratio Lower Upper

240 100

120 12.9 10.7 16.1

236 26.0 20.6 31.0



#78

Pyrene

Concen: 8.452 ng

RT: 12.792 min Scan# 1819

Delta R.T. 0.006 min

Lab File: BF141098.D

Acq: 08 Jan 2025 21:34

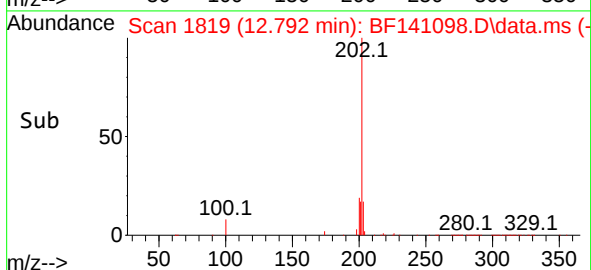
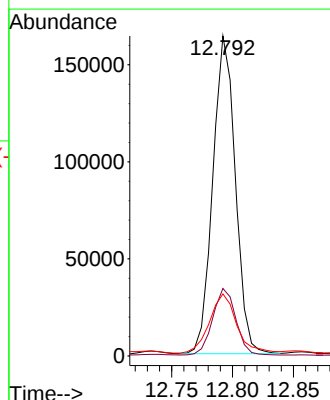
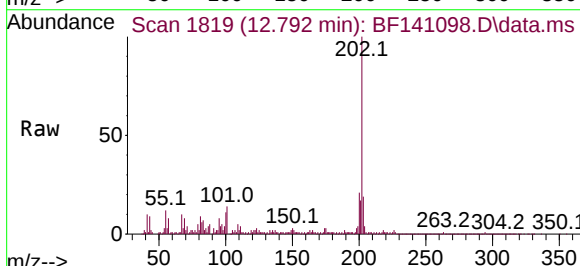
Tgt Ion:202 Resp: 210714

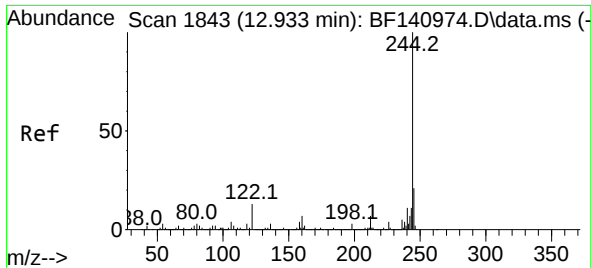
Ion Ratio Lower Upper

202 100

200 21.1 17.3 25.9

203 19.4 14.6 21.8

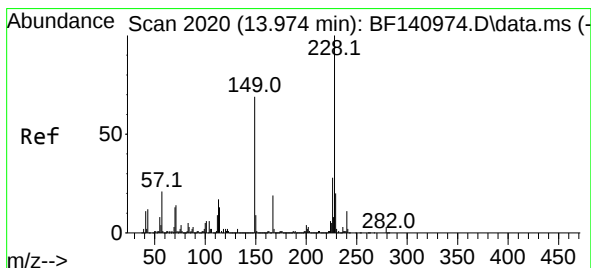
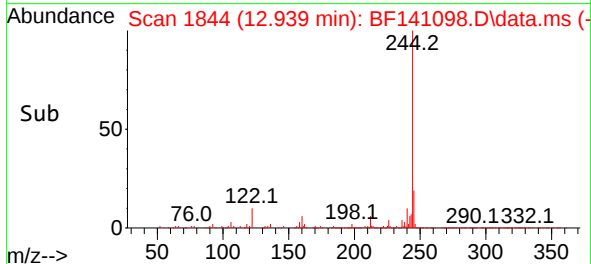
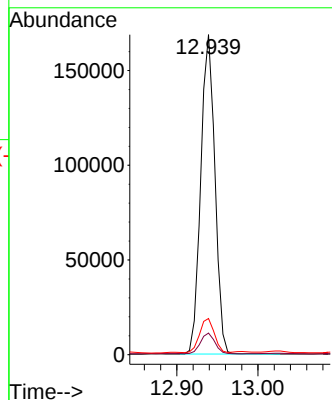
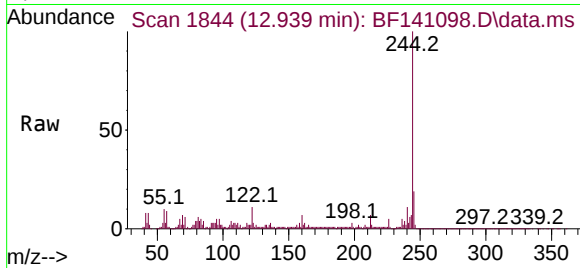




#79
 Terphenyl-d14
 Concen: 11.924 ng
 RT: 12.939 min Scan# 1844
 Delta R.T. 0.006 min
 Lab File: BF141098.D
 Acq: 08 Jan 2025 21:34

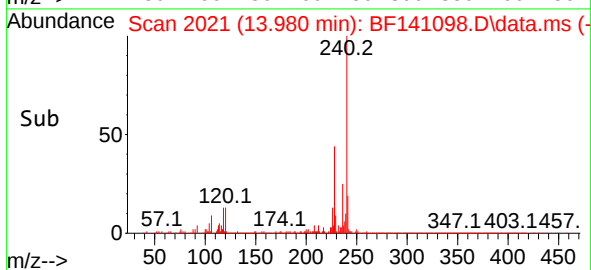
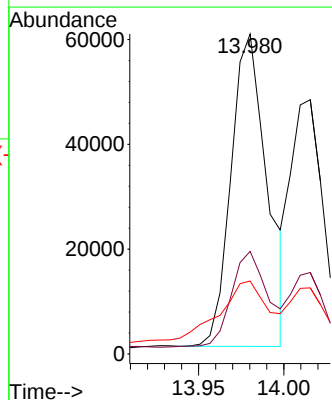
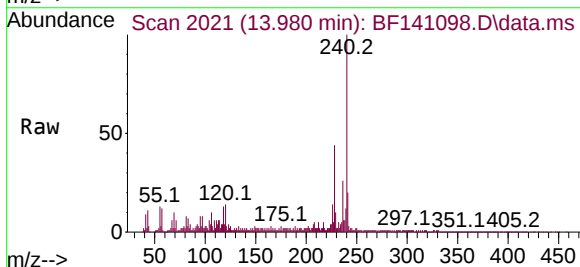
Instrument :
 BNA_F
 ClientSampleId :
 EO-03-010725

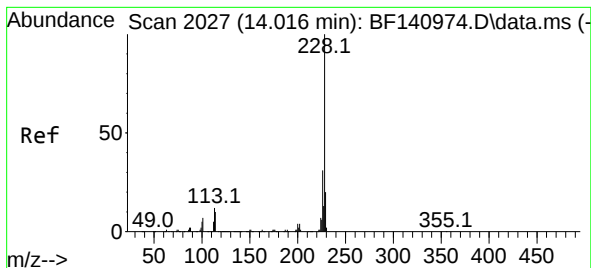
Tgt Ion:244 Resp: 204652
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.7 8.5
 122 11.3 10.2 15.2



#81
 Benzo(a)anthracene
 Concen: 4.401 ng
 RT: 13.980 min Scan# 2021
 Delta R.T. 0.006 min
 Lab File: BF141098.D
 Acq: 08 Jan 2025 21:34

Tgt Ion:228 Resp: 87432
 Ion Ratio Lower Upper
 228 100
 226 32.0 22.1 33.1
 229 22.8 16.2 24.2





#83

Chrysene

Concen: 3.505 ng m

RT: 14.015 min Scan# 20

Delta R.T. -0.000 min

Lab File: BF141098.D

Acq: 08 Jan 2025 21:34

Instrument :

BNA_F

ClientSampleId :

EO-03-010725

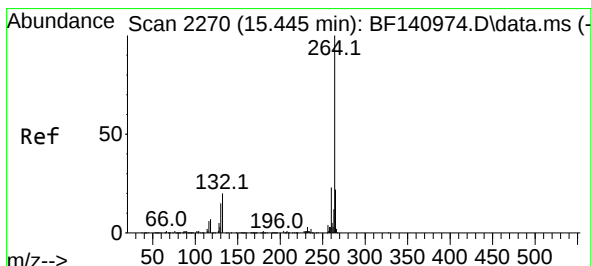
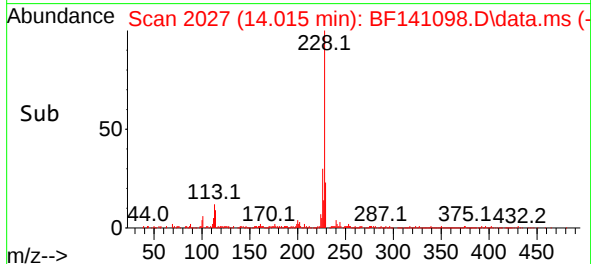
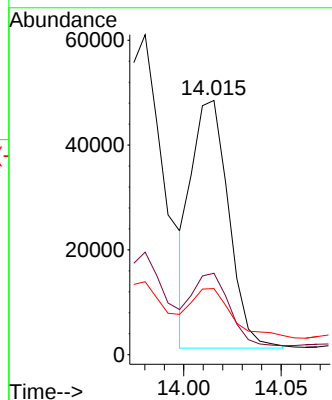
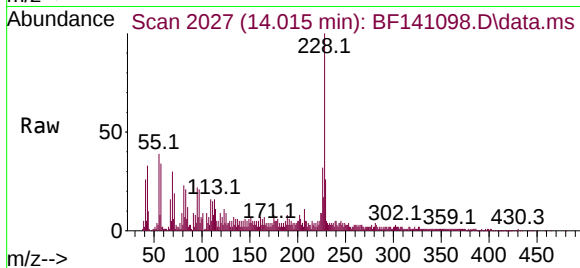
Tgt Ion:228 Resp: 62768

Ion Ratio Lower Upper

228 100

226 32.0 24.5 36.7

229 26.0 16.2 24.4#



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.457 min Scan# 2272

Delta R.T. 0.012 min

Lab File: BF141098.D

Acq: 08 Jan 2025 21:34

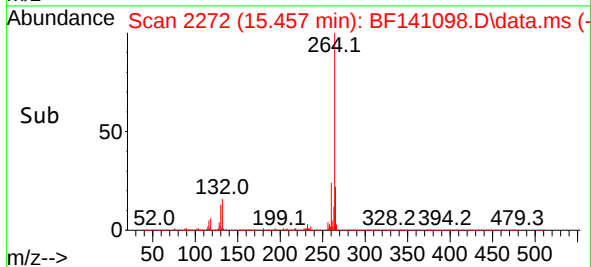
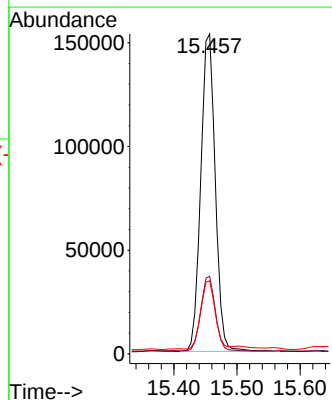
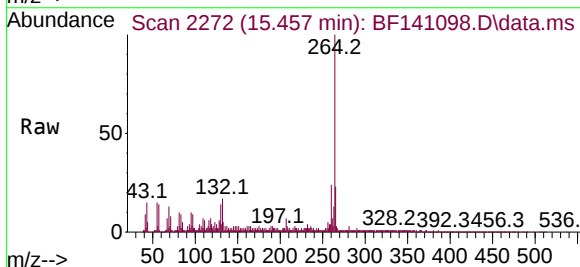
Tgt Ion:264 Resp: 244593

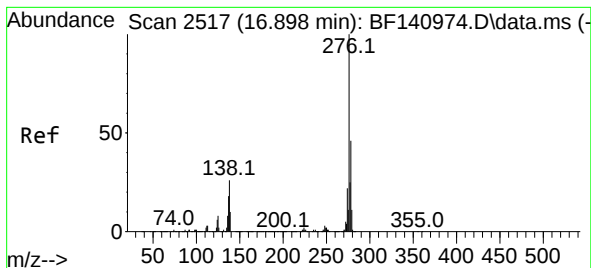
Ion Ratio Lower Upper

264 100

260 24.2 18.7 28.1

265 22.8 17.4 26.2





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.044 ng

RT: 16.909 min Scan# 2199

Delta R.T. 0.012 min

Lab File: BF141098.D

Acq: 08 Jan 2025 21:34

Instrument :

BNA_F

ClientSampleId :

EO-03-010725

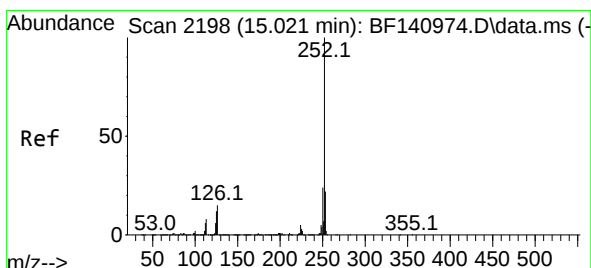
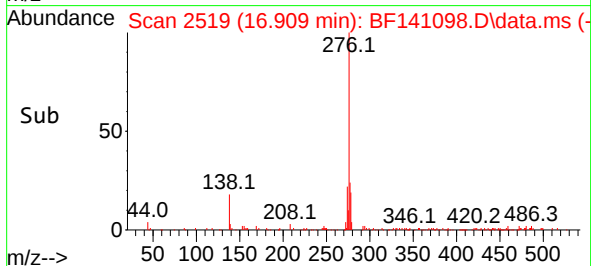
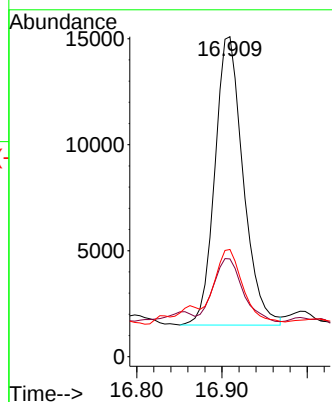
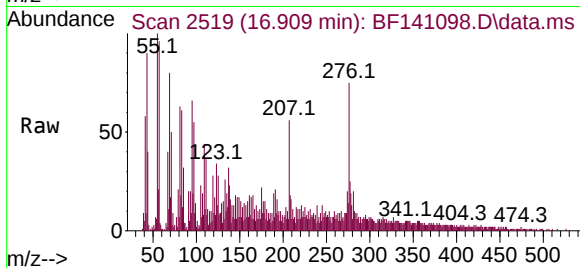
Tgt Ion:276 Resp: 31496

Ion Ratio Lower Upper

276 100

138 22.7 23.1 34.7#

277 24.5 20.4 30.6



#88

Benzo(b)fluoranthene

Concen: 4.544 ng m

RT: 15.027 min Scan# 2199

Delta R.T. 0.006 min

Lab File: BF141098.D

Acq: 08 Jan 2025 21:34

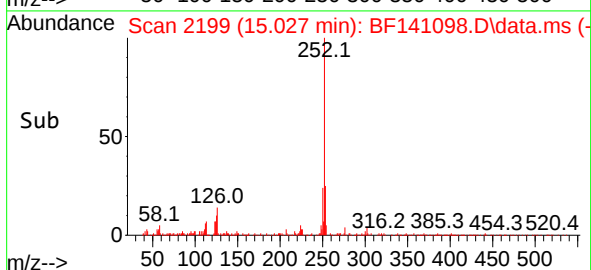
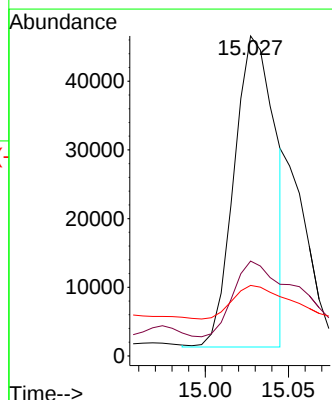
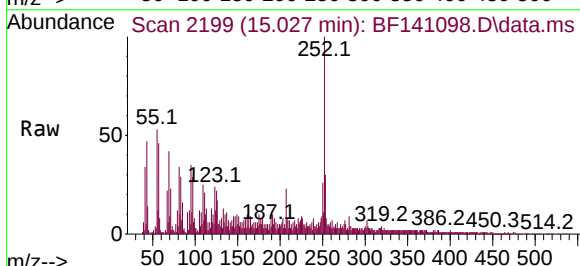
Tgt Ion:252 Resp: 77508

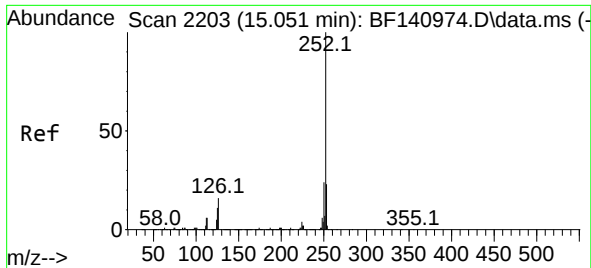
Ion Ratio Lower Upper

252 100

253 29.6 17.7 26.5#

125 22.0 9.3 13.9#





#89

Benzo(k)fluoranthene

Concen: 2.048 ng m

RT: 15.045 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF141098.D

Acq: 08 Jan 2025 21:34

Instrument :

BNA_F

ClientSampleId :

EO-03-010725

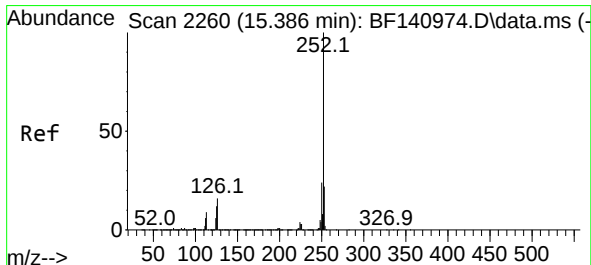
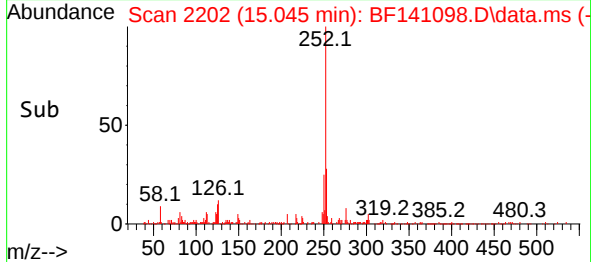
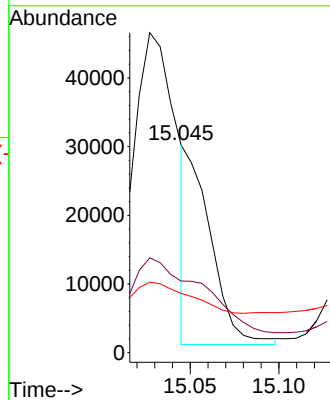
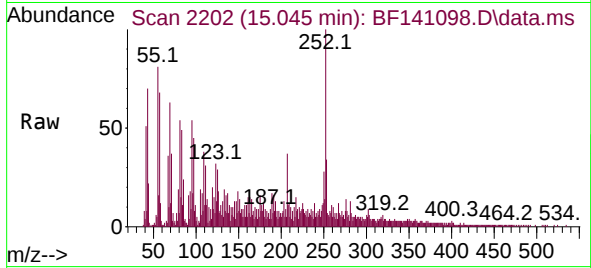
Tgt Ion:252 Resp: 27378

Ion Ratio Lower Upper

252 100

253 34.5 17.8 26.8#

125 28.6 9.4 14.0#



#90

Benzo(a)pyrene

Concen: 4.309 ng

RT: 15.392 min Scan# 2261

Delta R.T. 0.006 min

Lab File: BF141098.D

Acq: 08 Jan 2025 21:34

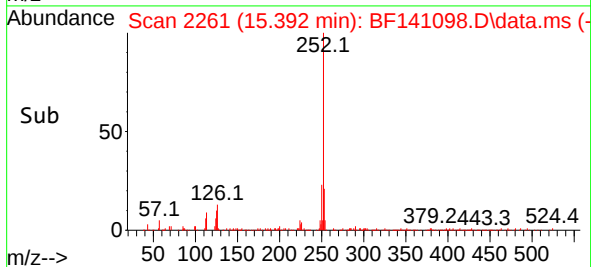
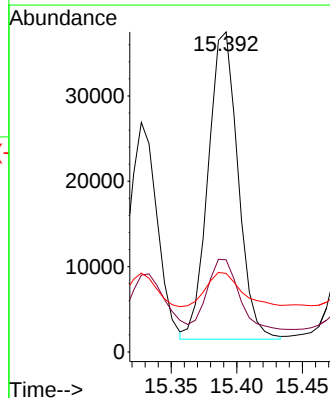
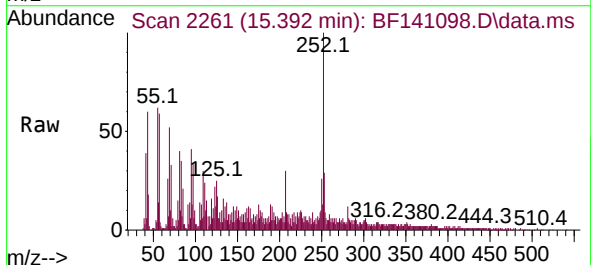
Tgt Ion:252 Resp: 57055

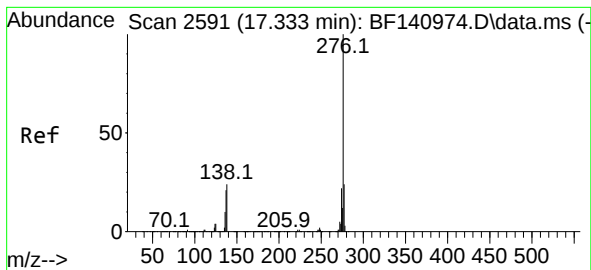
Ion Ratio Lower Upper

252 100

253 28.8 17.2 25.8#

125 24.5 9.8 14.8#





#92

Benzo(g,h,i)perylene

Concen: 2.579 ng

RT: 17.351 min Scan# 21

Delta R.T. 0.018 min

Lab File: BF141098.D

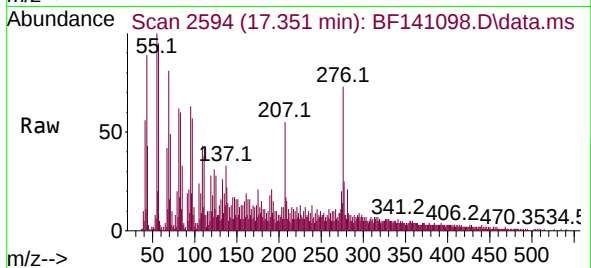
Acq: 08 Jan 2025 21:34

Instrument :

BNA_F

ClientSampleId :

EO-03-010725



Tgt Ion:276 Resp: 33417

Ion Ratio Lower Upper

276 100

277 33.9 19.0 28.4#

138 29.3 19.4 29.2#

