

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011725\
 Data File : BF141210.D
 Acq On : 17 Jan 2025 22:57
 Operator : RC/JU
 Sample : Q1118-01
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OK-01-1-16-2025

Quant Time: Jan 18 00:38:02 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 10 22:54:19 2025
 Response via : Initial Calibration

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

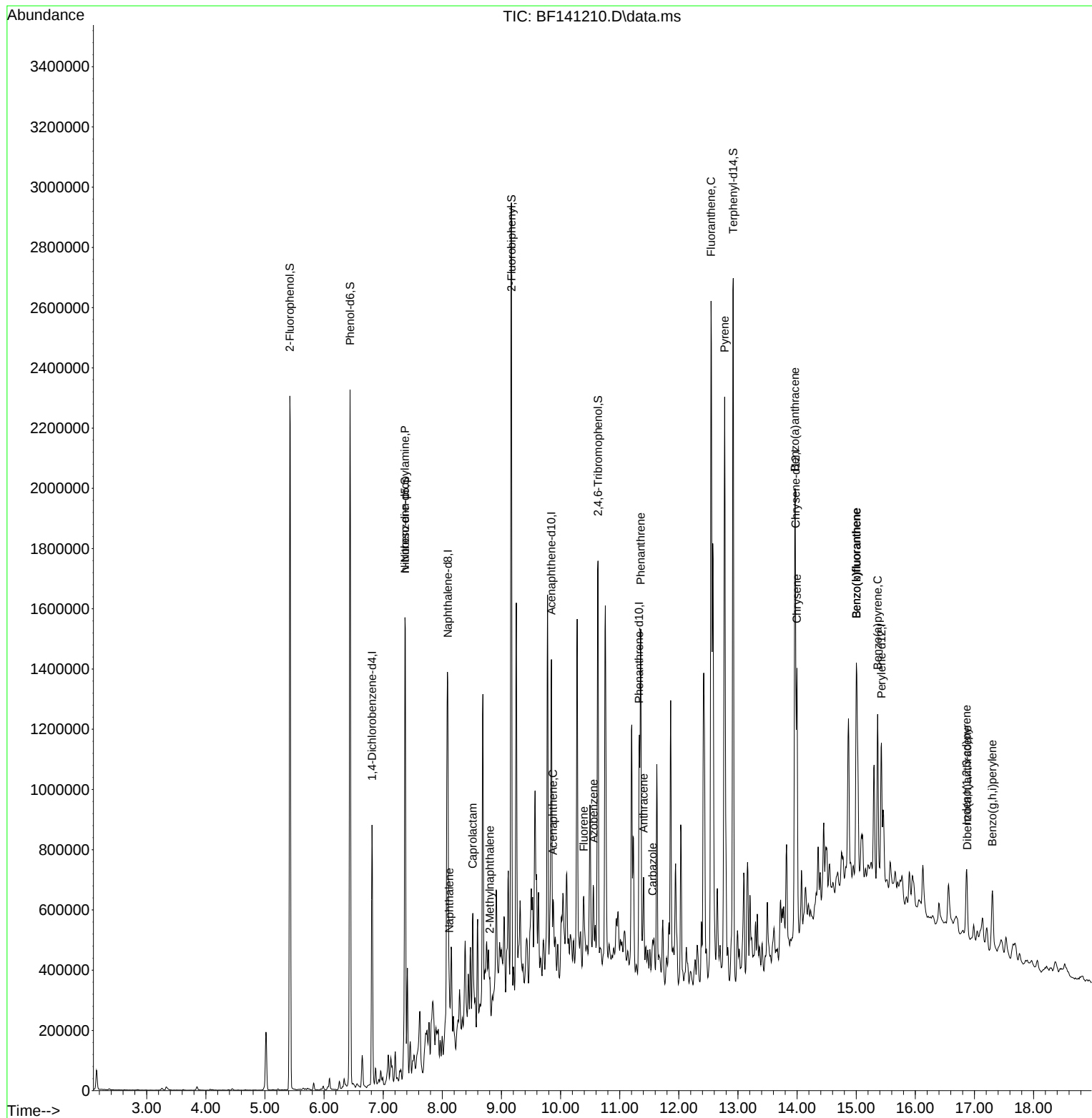
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.810	152	176715	20.000	ng	-0.01
21) Naphthalene-d8	8.092	136	620851	20.000	ng	-0.01
39) Acenaphthene-d10	9.845	164	280009	20.000	ng	-0.02
64) Phenanthrene-d10	11.327	188	400761	20.000	ng	-0.02
76) Chrysene-d12	13.974	240	368120	20.000	ng	-0.01
86) Perylene-d12	15.427	264	277808	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.422	112	908082	79.382	ng	0.00
7) Phenol-d6	6.439	99	1108811	76.521	ng	0.00
23) Nitrobenzene-d5	7.369	82	693178	59.184	ng	-0.02
42) 2,4,6-Tribromophenol	10.633	330	243449	76.304	ng	-0.02
45) 2-Fluorobiphenyl	9.169	172	1161861	63.363	ng	-0.01
79) Terphenyl-d14	12.921	244	1168040	47.160	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.369	70	99364	11.641	ng	# 75
31) Naphthalene	8.116	128	82219	2.511	ng	# 93
35) Caprolactam	8.516	113	12290	4.220	ng	# 1
37) 2-Methylnaphthalene	8.804	142	44662	2.141	ng	97
52) Acenaphthene	9.874	154	58976	3.488	ng	98
58) Fluorene	10.392	166	79588	4.455	ng	# 96
63) Azobenzene	10.557	77	44023	2.431	ng	# 1
71) Phenanthrene	11.357	178	603482	28.049	ng	99
72) Anthracene	11.404	178	165078	7.891	ng	98
73) Carbazole	11.557	167	48108	2.508	ng	# 91
75) Fluoranthene	12.545	202	1121205	52.221	ng	99
78) Pyrene	12.774	202	1103555	31.386	ng	99
81) Benzo(a)anthracene	13.962	228	564435	22.530	ng	96
83) Chrysene	13.998	228	457358	19.511	ng	96
87) Indeno(1,2,3-cd)pyrene	16.868	276	174436	8.571	ng	95
88) Benzo(b)fluoranthene	15.004	252	632915	35.331	ng	# 96
89) Benzo(k)fluoranthene	15.004	252	632915	41.807	ng	# 96
90) Benzo(a)pyrene	15.362	252	338564	22.907	ng	97
91) Dibenzo(a,h)anthracene	16.880	278	42916	2.607	ng	# 80
92) Benzo(g,h,i)perylene	17.303	276	185956	10.860	ng	98

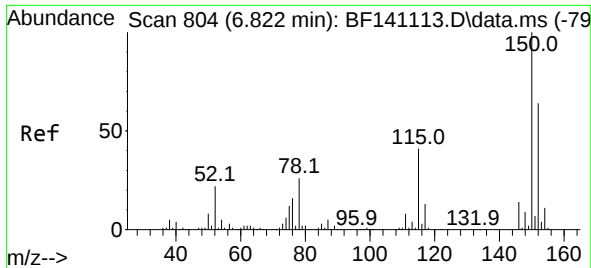
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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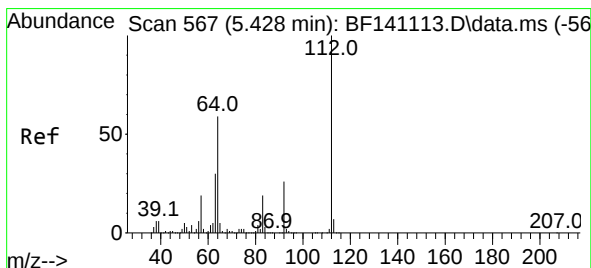
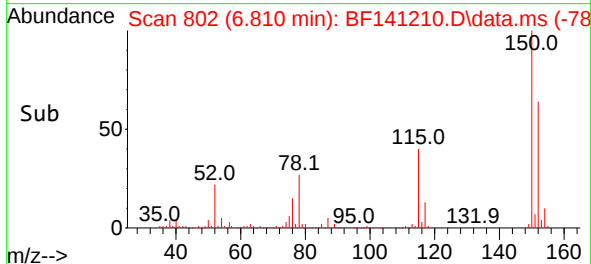
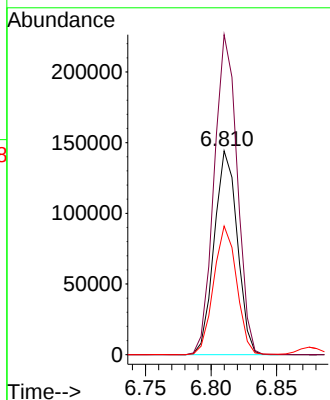
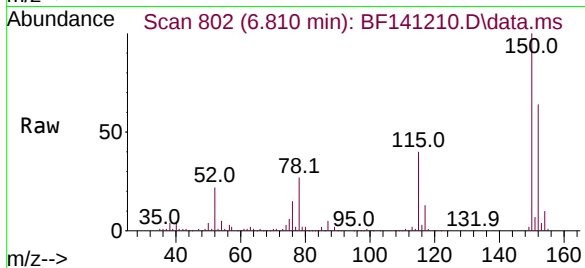




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.810 min Scan# 804
Delta R.T. -0.012 min
Lab File: BF141210.D
Acq: 17 Jan 2025 22:57

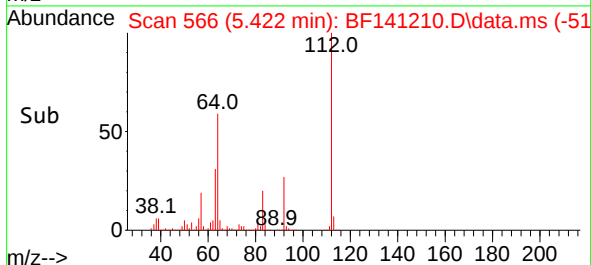
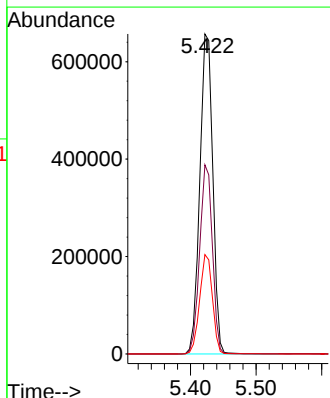
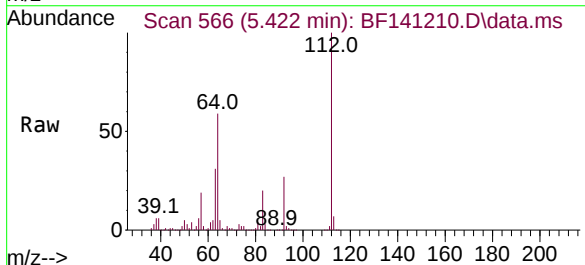
Instrument :
BNA_F
ClientSampleId :
OK-01-1-16-2025

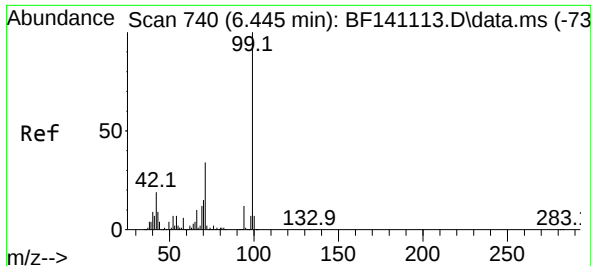
Tgt Ion:152 Resp: 176715
Ion Ratio Lower Upper
152 100
150 157.0 125.8 188.8
115 63.1 51.4 77.2



#5
2-Fluorophenol
Concen: 79.382 ng
RT: 5.422 min Scan# 566
Delta R.T. -0.006 min
Lab File: BF141210.D
Acq: 17 Jan 2025 22:57

Tgt Ion:112 Resp: 908082
Ion Ratio Lower Upper
112 100
64 59.1 47.3 70.9
63 31.1 24.2 36.2

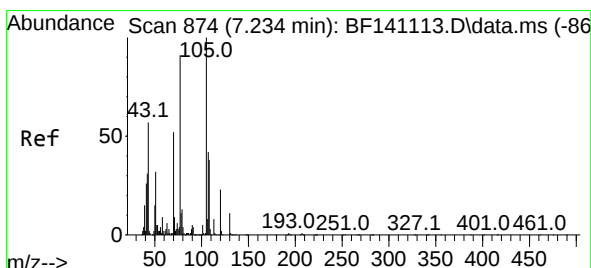
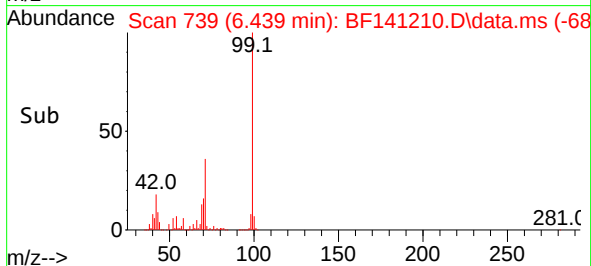
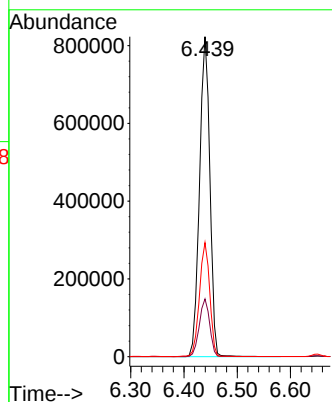
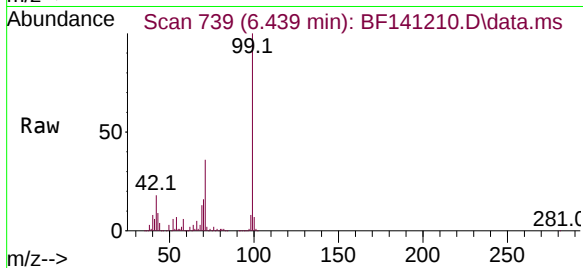




#7
Phenol-d6
Concen: 76.521 ng
RT: 6.439 min Scan# 714
Delta R.T. -0.006 min
Lab File: BF141210.D
Acq: 17 Jan 2025 22:57

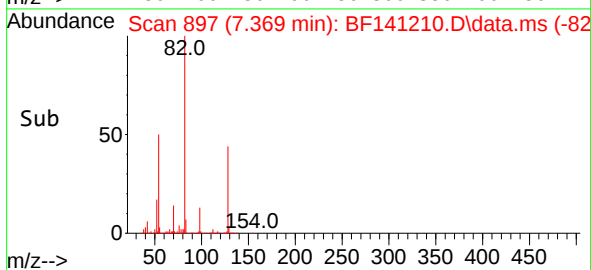
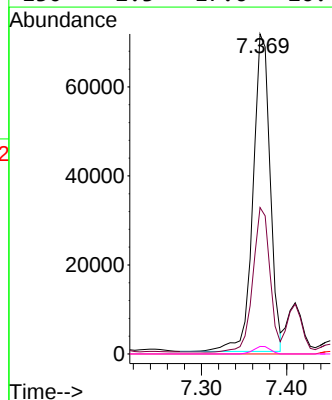
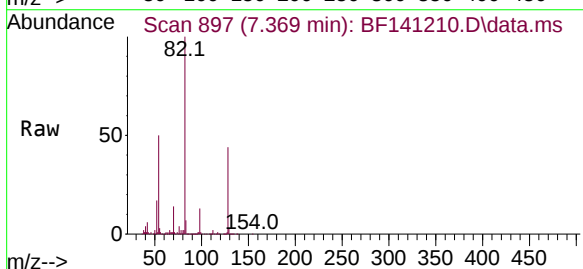
Instrument :
BNA_F
ClientSampleId :
OK-01-1-16-2025

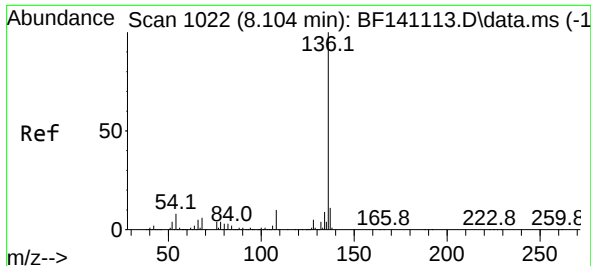
Tgt Ion: 99 Resp: 1108811
Ion Ratio Lower Upper
99 100
42 18.1 15.0 22.4
71 35.6 27.6 41.4



#19
n-Nitroso-di-n-propylamine
Concen: 11.641 ng
RT: 7.369 min Scan# 897
Delta R.T. 0.135 min
Lab File: BF141210.D
Acq: 17 Jan 2025 22:57

Tgt Ion: 70 Resp: 99364
Ion Ratio Lower Upper
70 100
42 45.7 47.8 71.6#
101 0.0 7.9 11.9#
130 2.3 17.6 26.4#



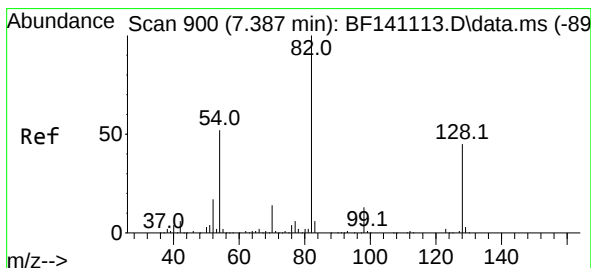
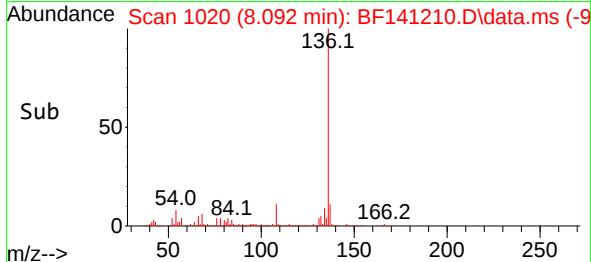
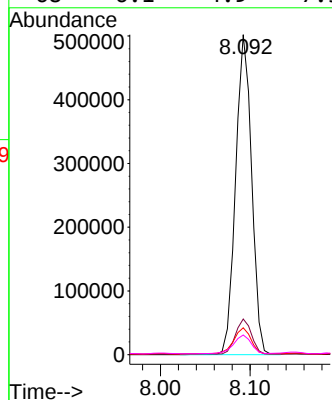
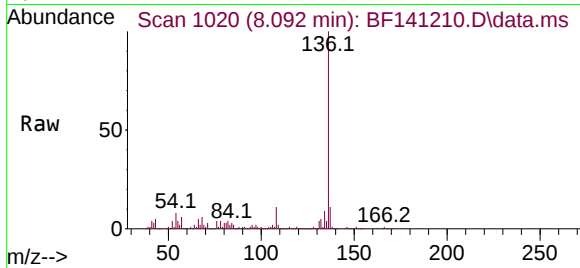


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.092 min Scan# 1020
Delta R.T. -0.012 min
Lab File: BF141210.D
Acq: 17 Jan 2025 22:57

Instrument :
BNA_F
ClientSampleId :
OK-01-1-16-2025

Tgt Ion:136 Resp: 620851

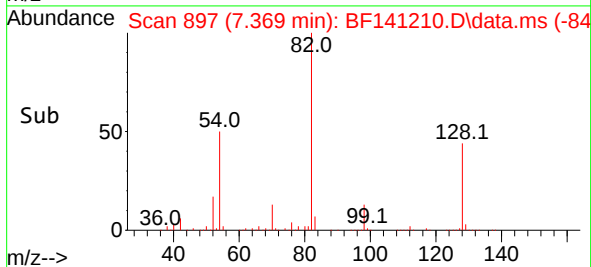
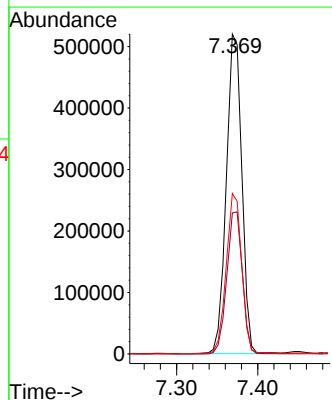
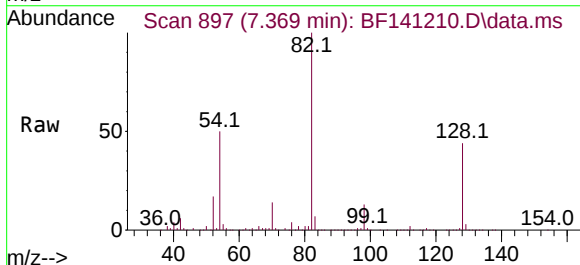
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.8	13.2
54	8.4	6.3	9.5
68	6.1	4.9	7.3

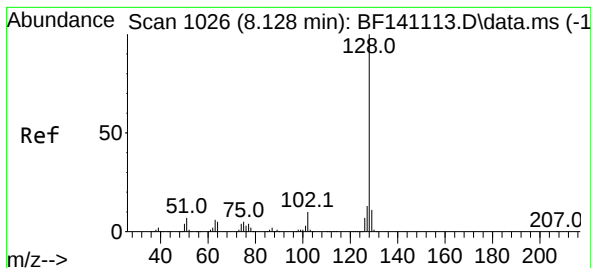


#23
Nitrobenzene-d5
Concen: 59.184 ng
RT: 7.369 min Scan# 897
Delta R.T. -0.018 min
Lab File: BF141210.D
Acq: 17 Jan 2025 22:57

Tgt Ion: 82 Resp: 693178

Ion	Ratio	Lower	Upper
82	100		
128	44.0	36.1	54.1
54	50.2	41.0	61.4





#31

Naphthalene

Concen: 2.511 ng

RT: 8.116 min Scan# 1024

Delta R.T. -0.012 min

Lab File: BF141210.D

Acq: 17 Jan 2025 22:57

Instrument :

BNA_F

ClientSampleId :

OK-01-1-16-2025

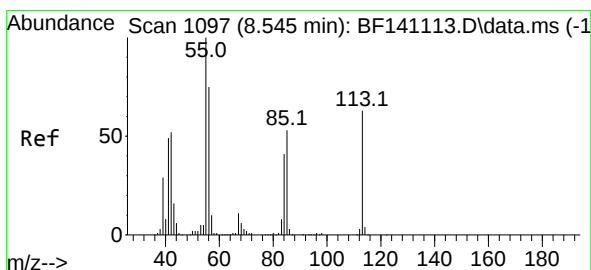
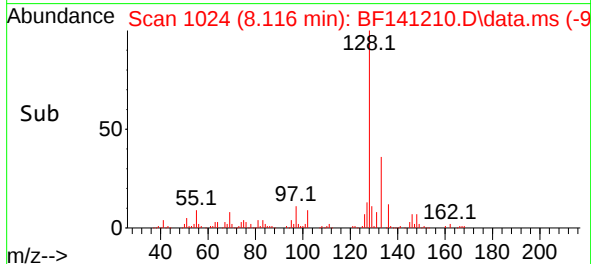
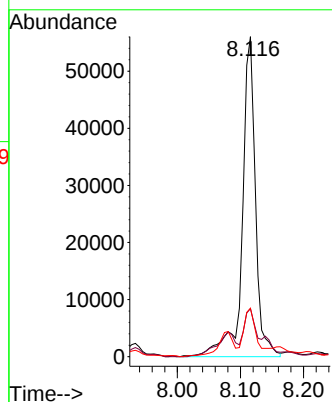
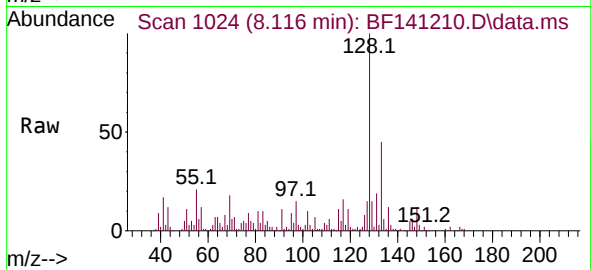
Tgt Ion:128 Resp: 82219

Ion Ratio Lower Upper

128 100

129 15.0 9.0 13.6#

127 15.1 10.8 16.2



#35

Caprolactam

Concen: 4.220 ng

RT: 8.516 min Scan# 1092

Delta R.T. -0.030 min

Lab File: BF141210.D

Acq: 17 Jan 2025 22:57

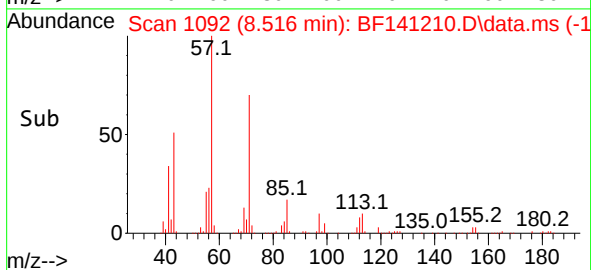
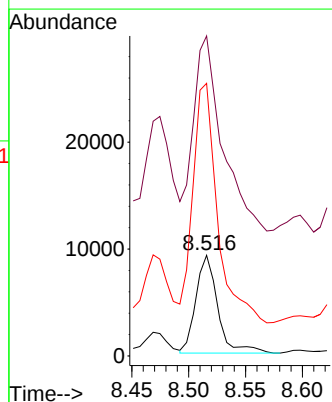
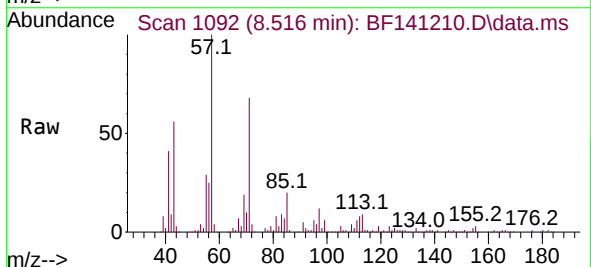
Tgt Ion:113 Resp: 12290

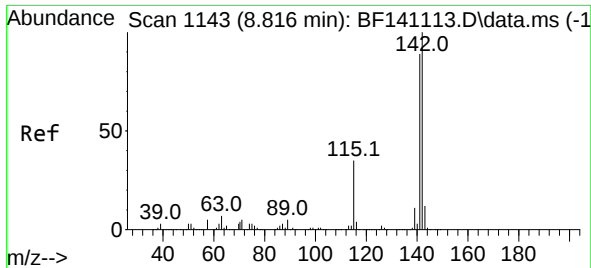
Ion Ratio Lower Upper

113 100

55 317.8 139.7 179.7#

56 270.7 99.4 139.4#

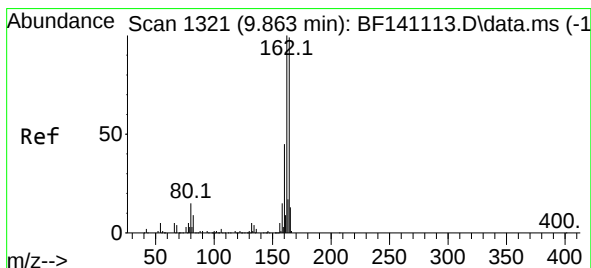
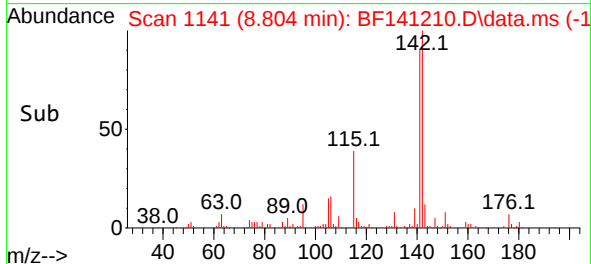
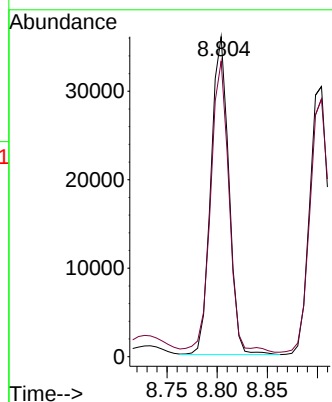
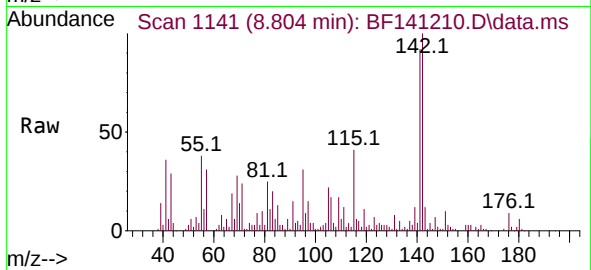




#37
2-Methylnaphthalene
Concen: 2.141 ng
RT: 8.804 min Scan# 1143
Delta R.T. -0.012 min
Lab File: BF141210.D
Acq: 17 Jan 2025 22:57

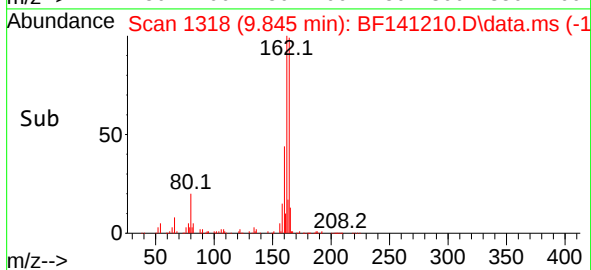
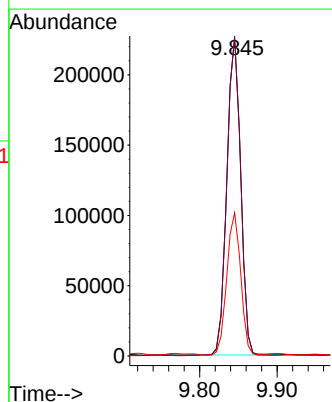
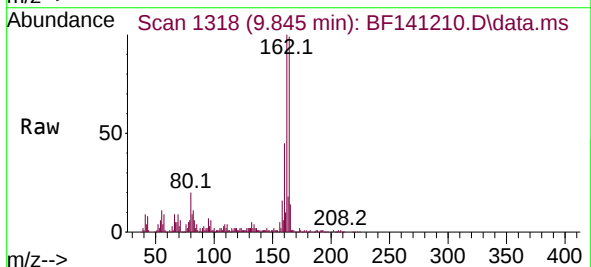
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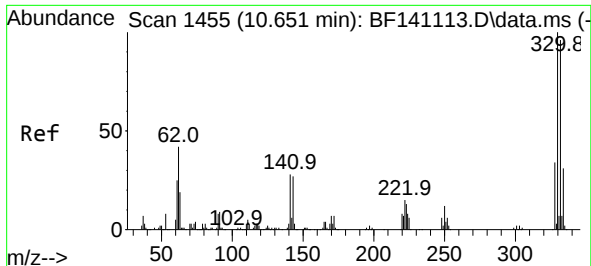
Tgt Ion:142 Resp: 44662
Ion Ratio Lower Upper
142 100
141 92.3 71.3 106.9



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.845 min Scan# 1318
Delta R.T. -0.018 min
Lab File: BF141210.D
Acq: 17 Jan 2025 22:57

Tgt Ion:164 Resp: 280009
Ion Ratio Lower Upper
164 100
162 100.6 81.0 121.4
160 45.0 36.1 54.1





#42

2,4,6-Tribromophenol

Concen: 76.304 ng

RT: 10.633 min Scan# 1452

Delta R.T. -0.018 min

Lab File: BF141210.D

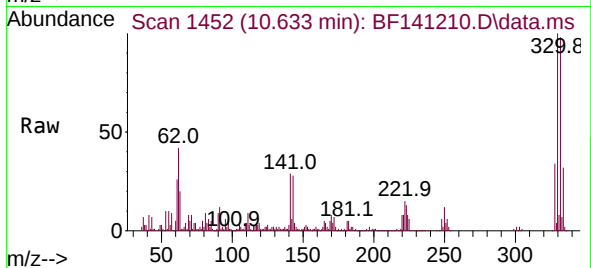
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Instrument :

BNA_F

ClientSampleId :

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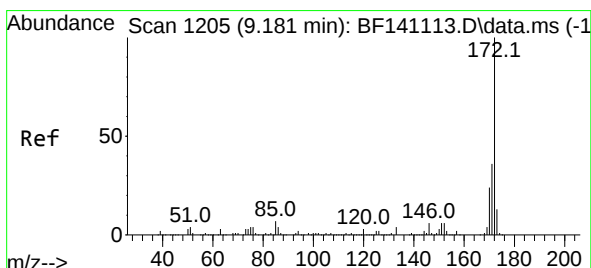
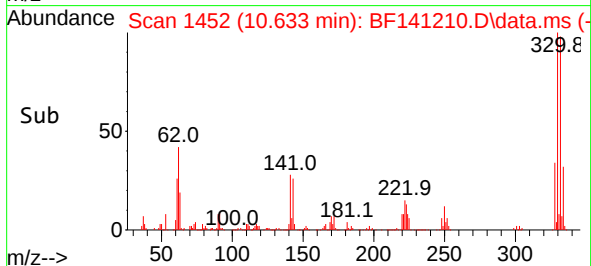
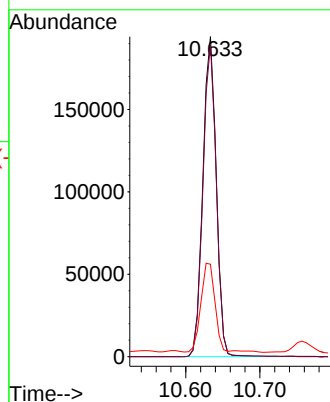
Tgt Ion:330 Resp: 243449

Ion Ratio Lower Upper

330 100

332 97.1 76.9 115.3

141 29.1 25.2 37.8



#45

2-Fluorobiphenyl

Concen: 63.363 ng

RT: 9.169 min Scan# 1203

Delta R.T. -0.012 min

Lab File: BF141210.D

Acq: 17 Jan 2025 22:57

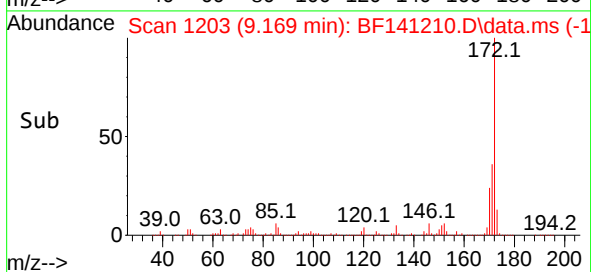
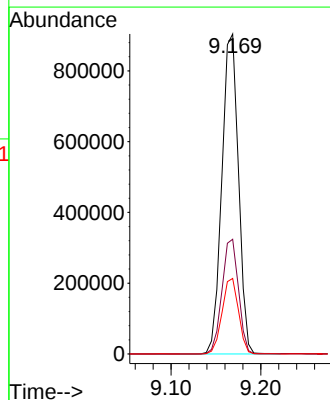
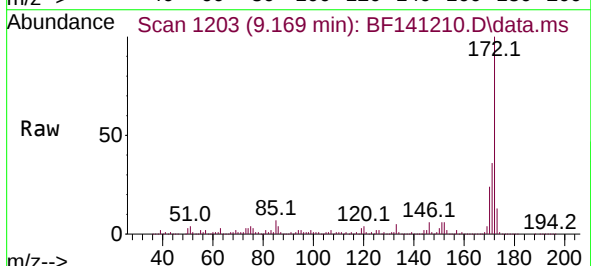
Tgt Ion:172 Resp: 1161861

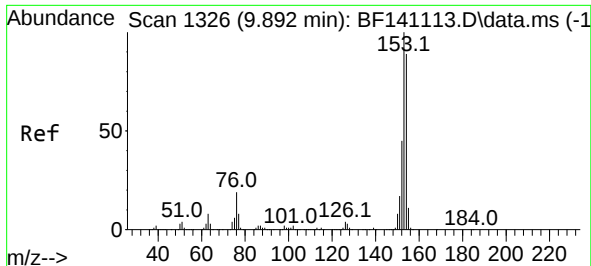
Ion Ratio Lower Upper

172 100

171 35.8 28.7 43.1

170 23.6 19.0 28.6

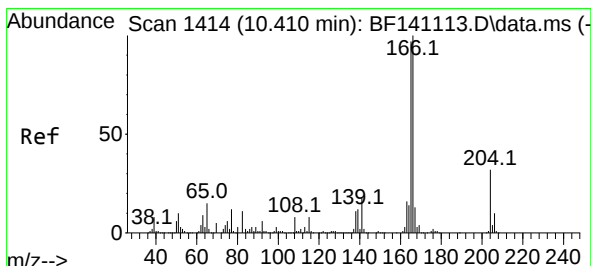
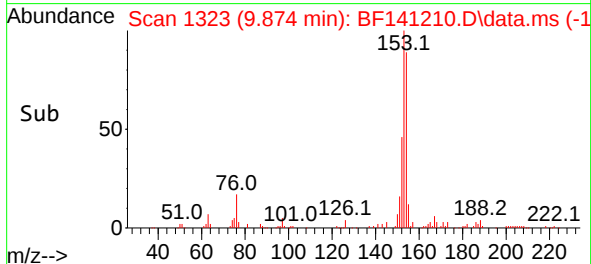
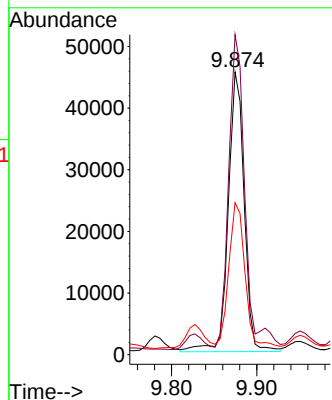
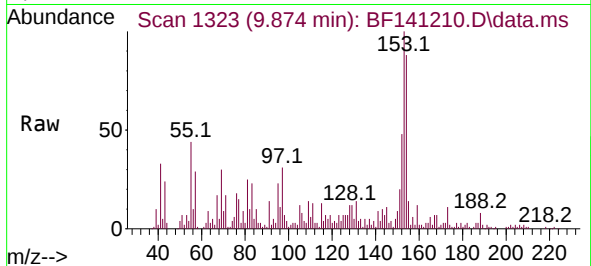




#52
Acenaphthene
Concen: 3.488 ng
RT: 9.874 min Scan# 11
Delta R.T. -0.018 min
Lab File: BF141210.D
Acq: 17 Jan 2025 22:57

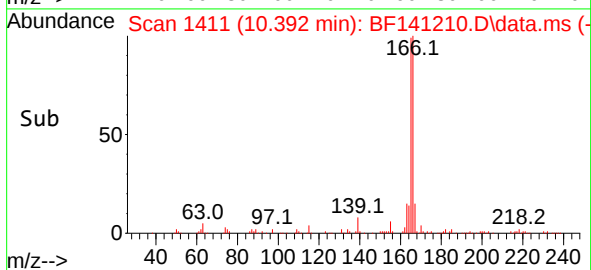
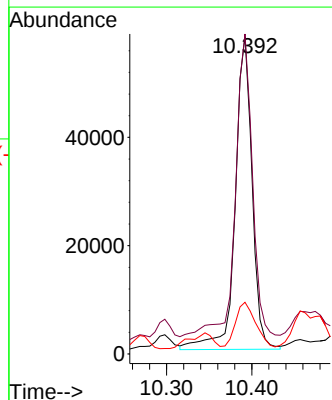
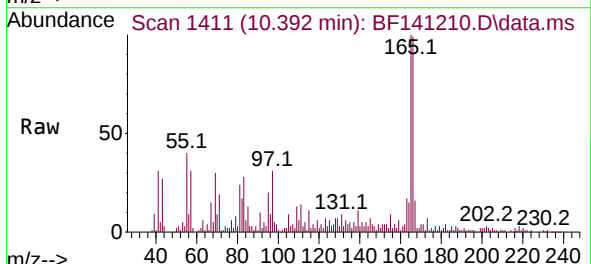
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OK-01-1-16-2025

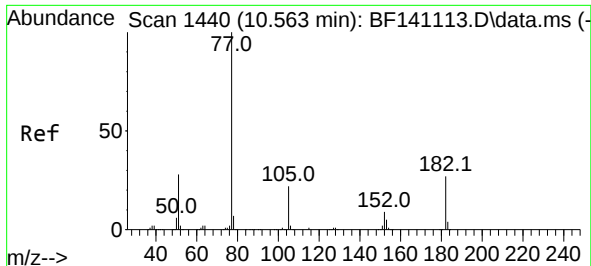
Tgt Ion:154 Resp: 58976
Ion Ratio Lower Upper
154 100
153 113.2 89.8 134.6
152 53.8 40.8 61.2



#58
Fluorene
Concen: 4.455 ng
RT: 10.392 min Scan# 1411
Delta R.T. -0.018 min
Lab File: BF141210.D
Acq: 17 Jan 2025 22:57

Tgt Ion:166 Resp: 79588
Ion Ratio Lower Upper
166 100
165 100.8 77.8 116.8
167 16.3 10.8 16.2#

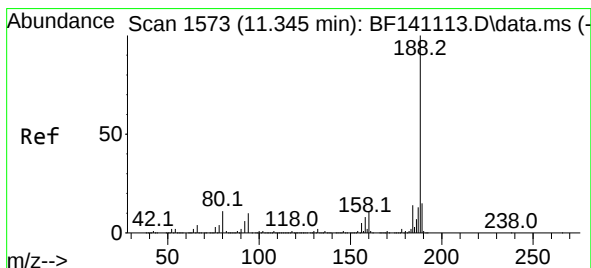
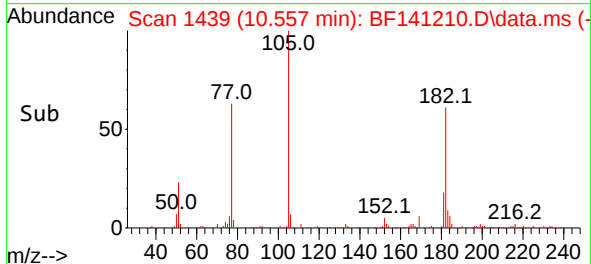
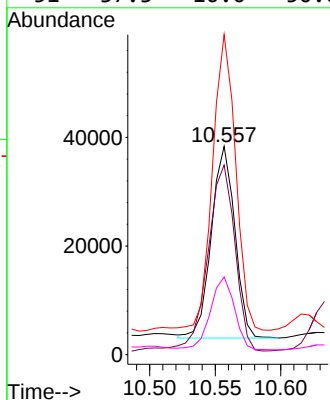
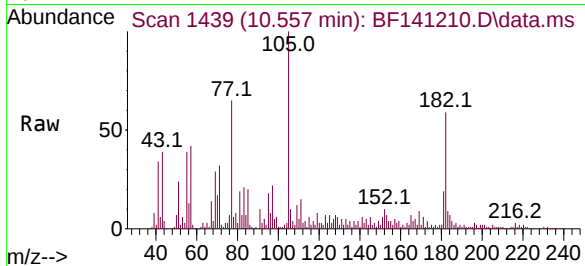




#63
Azobenzene
Concen: 2.431 ng
RT: 10.557 min Scan# 1440
Delta R.T. -0.006 min
Lab File: BF141210.D
Acq: 17 Jan 2025 22:57

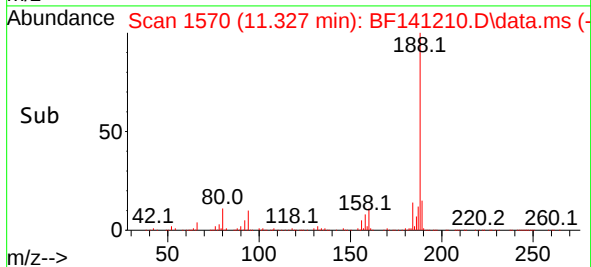
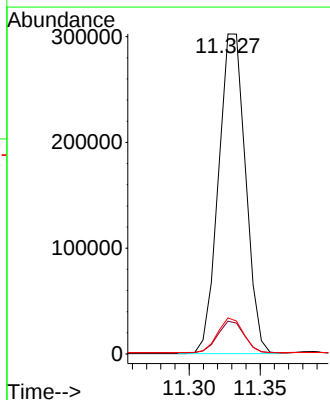
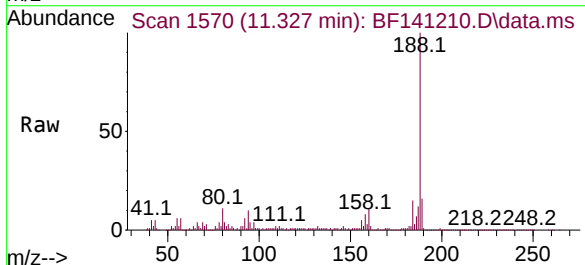
Instrument :
BNA_F
ClientSampleId :
OK-01-1-16-2025

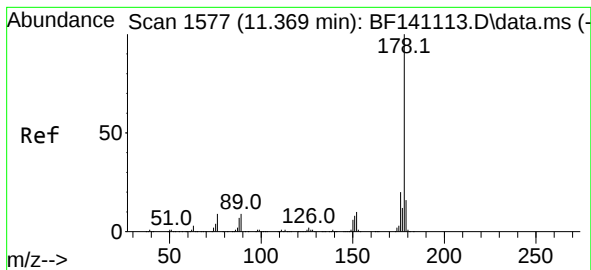
Tgt Ion: 77 Resp: 44023
Ion Ratio Lower Upper
77 100
182 91.0 6.1 46.1#
105 153.7 2.1 42.1#
51 37.3 10.0 50.0



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.327 min Scan# 1570
Delta R.T. -0.018 min
Lab File: BF141210.D
Acq: 17 Jan 2025 22:57

Tgt Ion: 188 Resp: 400761
Ion Ratio Lower Upper
188 100
94 10.3 8.3 12.5
80 11.3 9.0 13.4

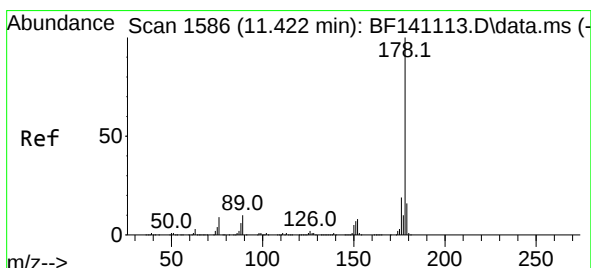
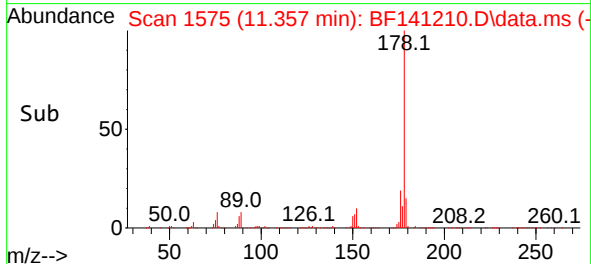
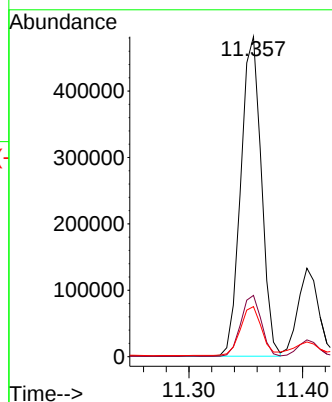
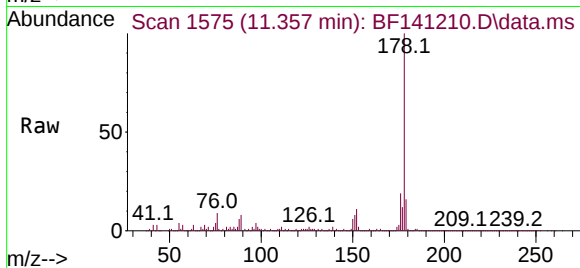




#71
Phenanthrene
Concen: 28.049 ng
RT: 11.357 min Scan# 1575
Delta R.T. -0.012 min
Lab File: BF141210.D
Acq: 17 Jan 2025 22:57

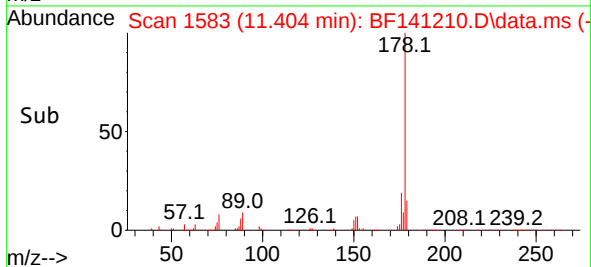
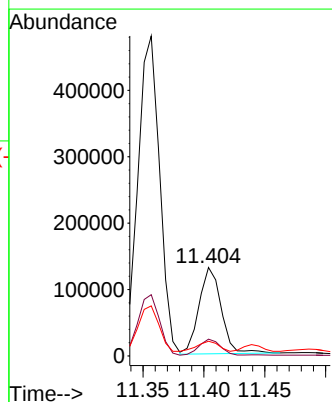
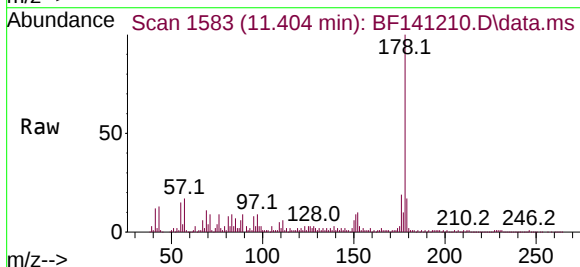
Instrument :
BNA_F
ClientSampleId :
OK-01-1-16-2025

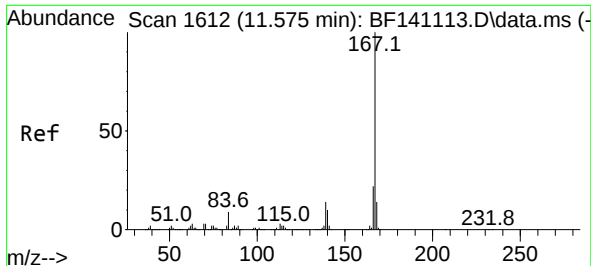
Tgt Ion:178 Resp: 603482
Ion Ratio Lower Upper
178 100
176 19.2 15.7 23.5
179 15.6 12.6 19.0



#72
Anthracene
Concen: 7.891 ng
RT: 11.404 min Scan# 1583
Delta R.T. -0.018 min
Lab File: BF141210.D
Acq: 17 Jan 2025 22:57

Tgt Ion:178 Resp: 165078
Ion Ratio Lower Upper
178 100
176 19.0 14.9 22.3
179 16.7 12.6 19.0

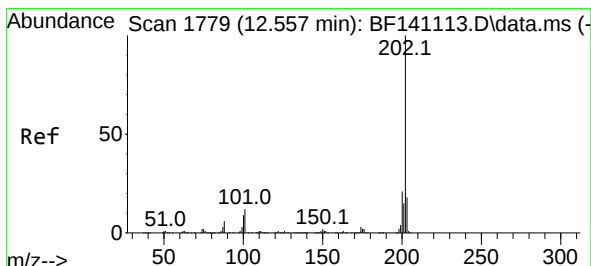
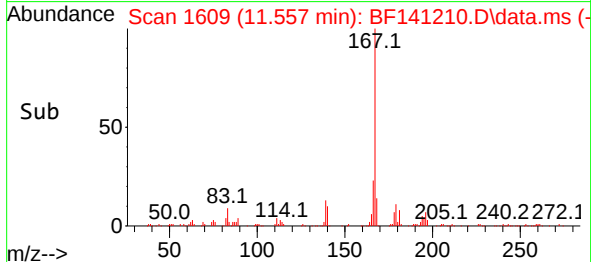
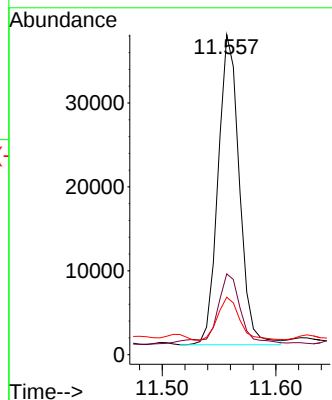
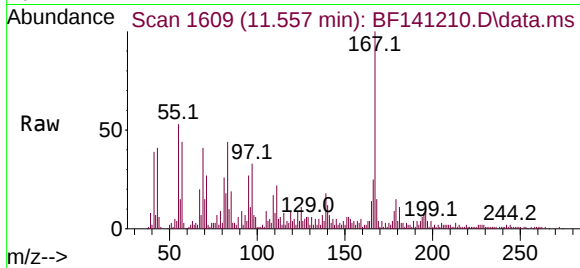




#73
 Carbazole
 Concen: 2.508 ng
 RT: 11.557 min Scan# 1609
 Delta R.T. -0.018 min
 Lab File: BF141210.D
 Acq: 17 Jan 2025 22:57

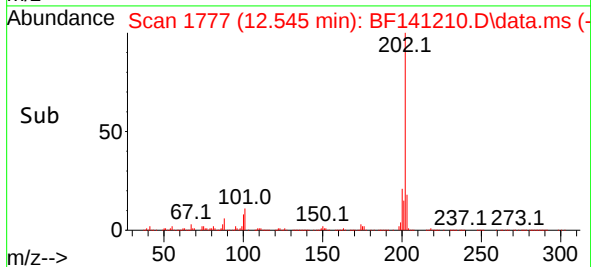
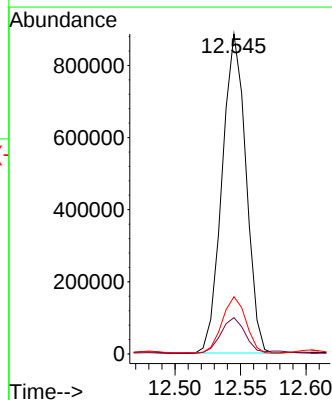
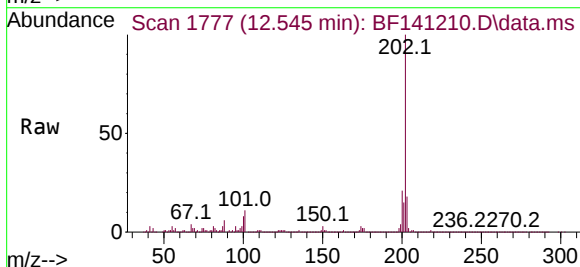
Instrument :
 BNA_F
 ClientSampleId :
 OK-01-1-16-2025

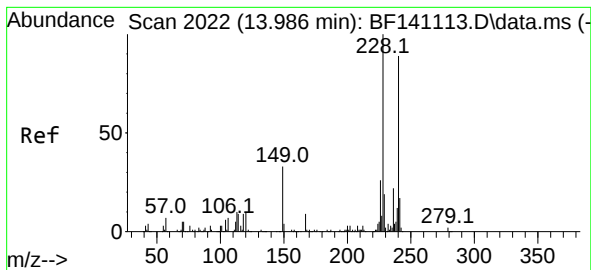
Tgt Ion:167 Resp: 48108
 Ion Ratio Lower Upper
 167 100
 166 25.2 17.4 26.2
 139 18.0 10.9 16.3#



#75
 Fluoranthene
 Concen: 52.221 ng
 RT: 12.545 min Scan# 1777
 Delta R.T. -0.012 min
 Lab File: BF141210.D
 Acq: 17 Jan 2025 22:57

Tgt Ion:202 Resp: 1121205
 Ion Ratio Lower Upper
 202 100
 101 11.4 0.0 32.3
 203 17.9 0.0 37.7





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.974 min Scan# 20

Delta R.T. -0.012 min

Lab File: BF141210.D

Acq: 17 Jan 2025 22:57

Instrument :

BNA_F

ClientSampleId :

OK-01-1-16-2025

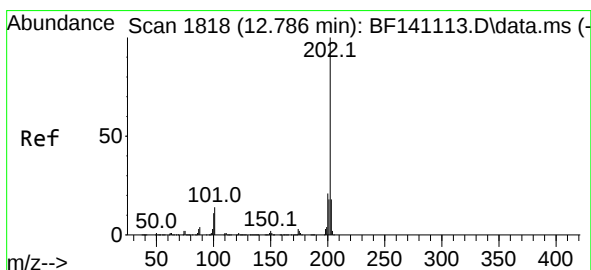
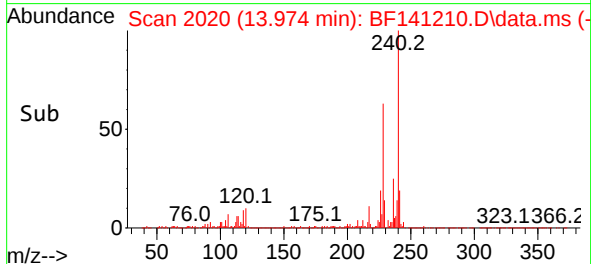
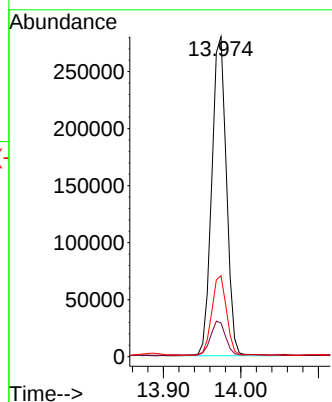
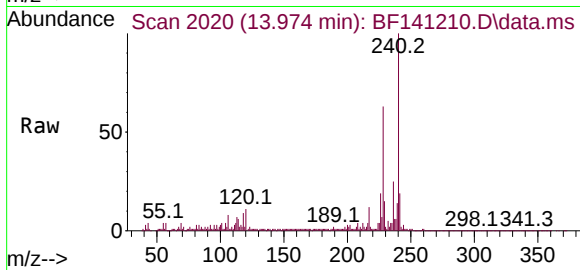
Tgt Ion:240 Resp: 368120

Ion Ratio Lower Upper

240 100

120 10.5 9.1 13.7

236 25.3 19.8 29.6



#78

Pyrene

Concen: 31.386 ng

RT: 12.774 min Scan# 1816

Delta R.T. -0.012 min

Lab File: BF141210.D

Acq: 17 Jan 2025 22:57

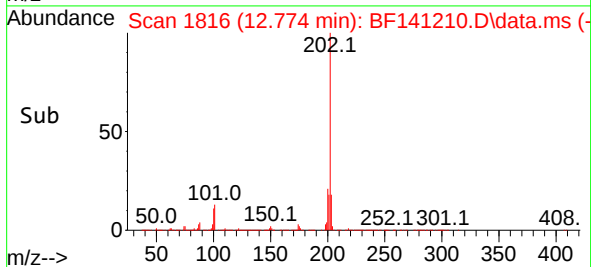
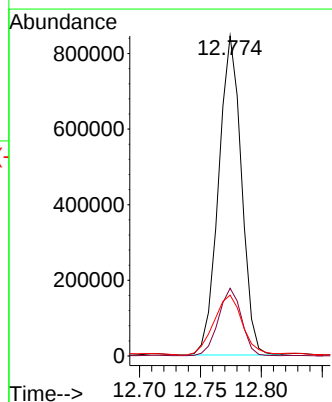
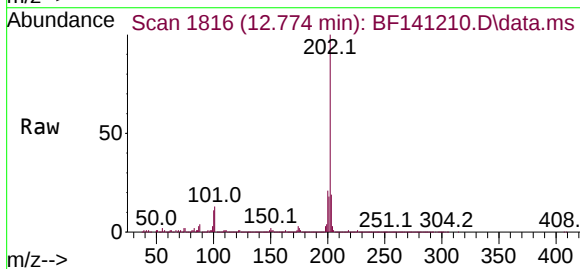
Tgt Ion:202 Resp: 1103555

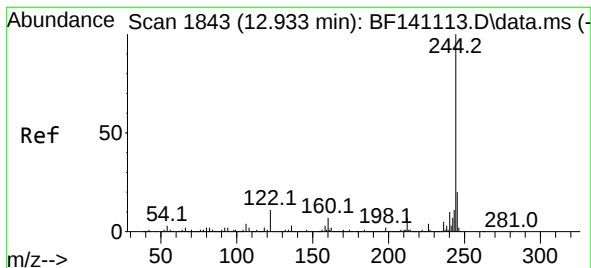
Ion Ratio Lower Upper

202 100

200 21.2 16.8 25.2

203 19.0 14.3 21.5





#79

Terphenyl-d14

Concen: 47.160 ng

RT: 12.921 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF141210.D

Acq: 17 Jan 2025 22:57

Instrument :

BNA_F

ClientSampleId :

OK-01-1-16-2025

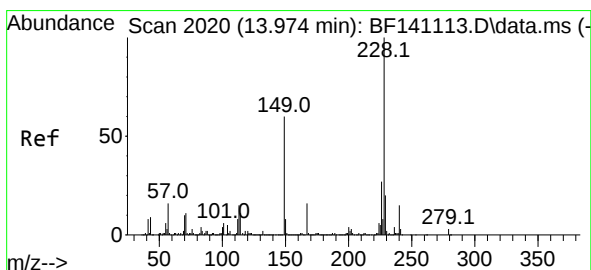
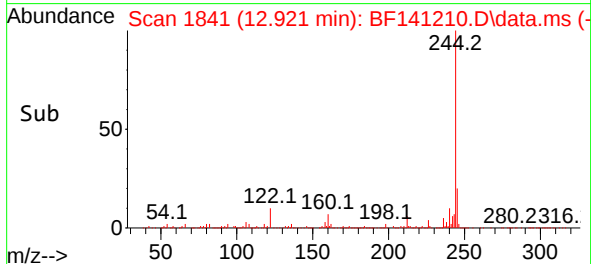
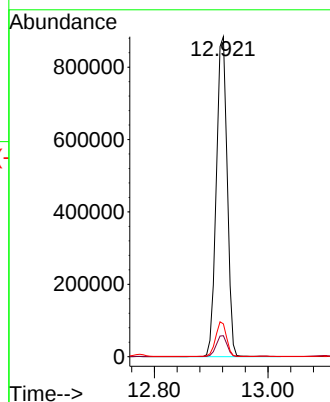
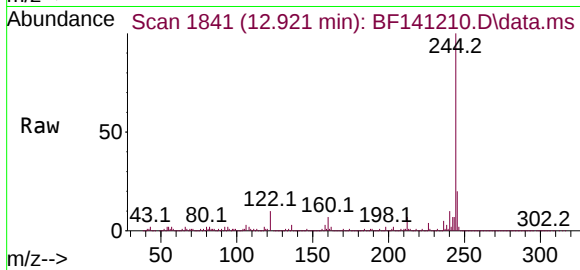
Tgt Ion:244 Resp: 1168040

Ion Ratio Lower Upper

244 100

212 6.5 5.4 8.2

122 10.2 8.8 13.2



#81

Benzo(a)anthracene

Concen: 22.530 ng

RT: 13.962 min Scan# 2018

Delta R.T. -0.012 min

Lab File: BF141210.D

Acq: 17 Jan 2025 22:57

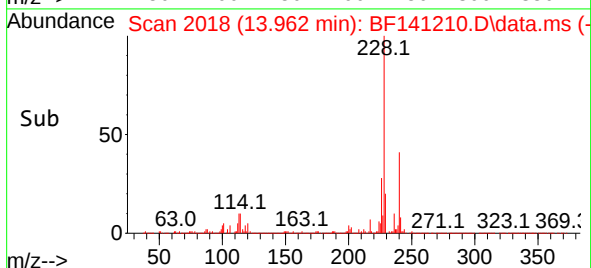
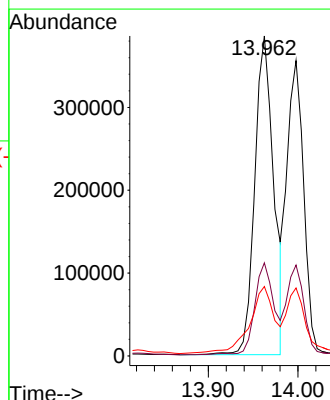
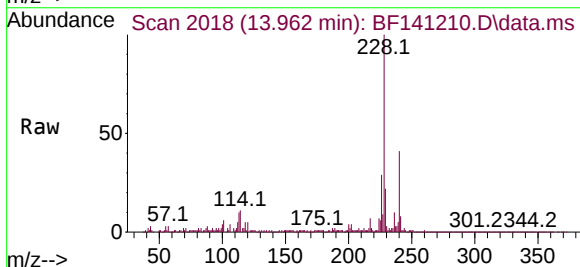
Tgt Ion:228 Resp: 564435

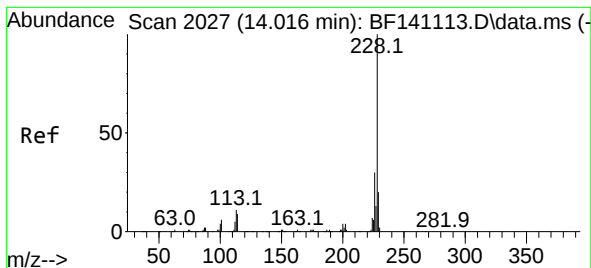
Ion Ratio Lower Upper

228 100

226 29.1 21.7 32.5

229 21.7 15.7 23.5





#83

Chrysene

Concen: 19.511 ng

RT: 13.998 min Scan# 20

Delta R.T. -0.018 min

Lab File: BF141210.D

Acq: 17 Jan 2025 22:57

Instrument :

BNA_F

ClientSampleId :

OK-01-1-16-2025

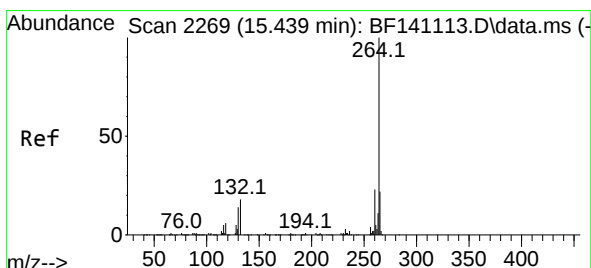
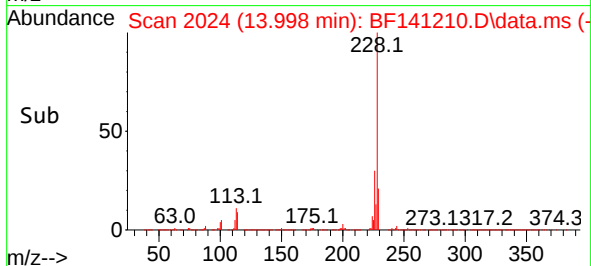
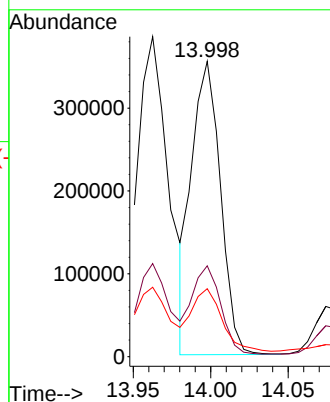
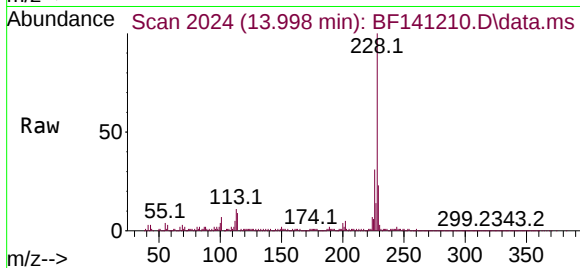
Tgt Ion:228 Resp: 457358

Ion Ratio Lower Upper

228 100

226 30.8 23.8 35.8

229 23.0 15.8 23.8



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.427 min Scan# 2267

Delta R.T. -0.012 min

Lab File: BF141210.D

Acq: 17 Jan 2025 22:57

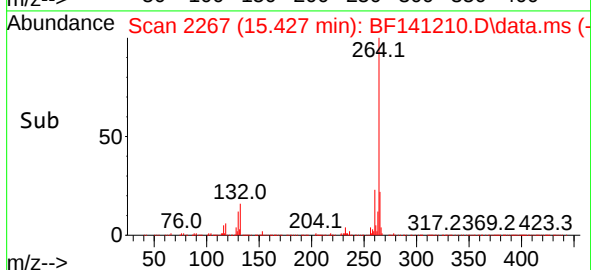
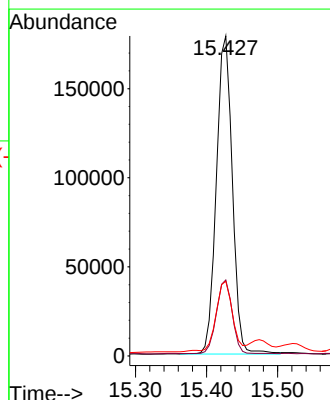
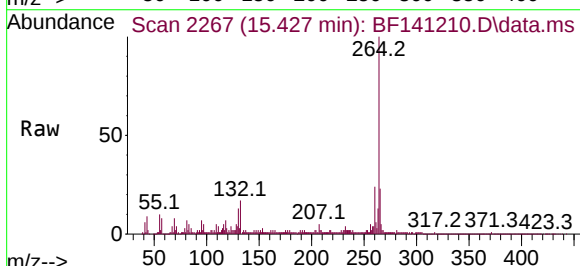
Tgt Ion:264 Resp: 277808

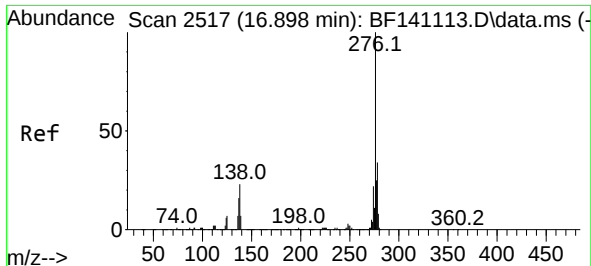
Ion Ratio Lower Upper

264 100

260 23.8 18.6 28.0

265 23.3 17.4 26.0

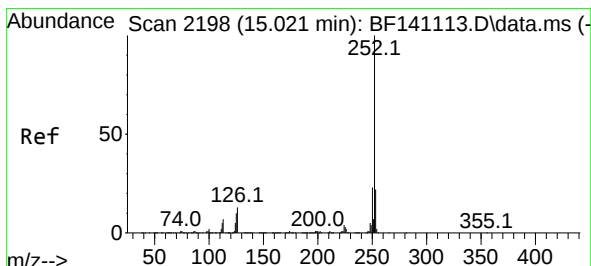
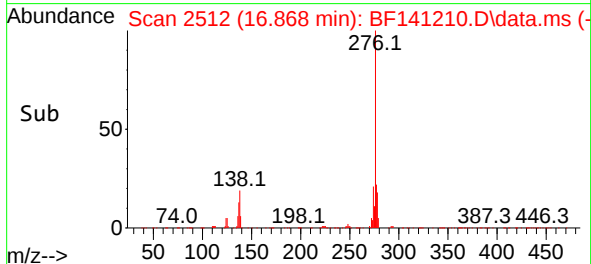
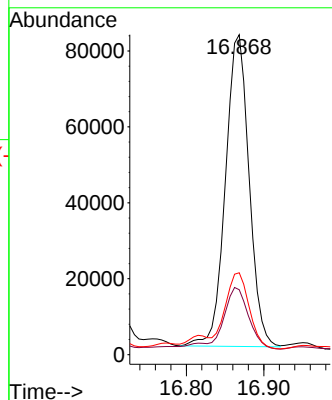
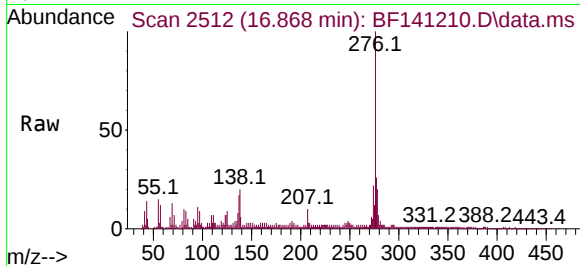




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 8.571 ng
 RT: 16.868 min Scan# 2195
 Delta R.T. -0.030 min
 Lab File: BF141210.D
 Acq: 17 Jan 2025 22:57

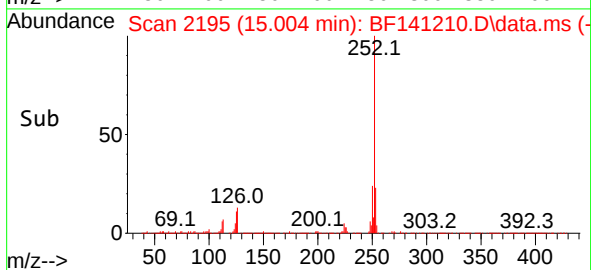
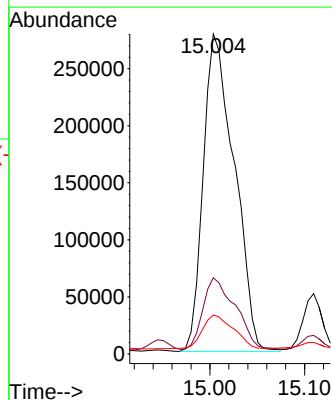
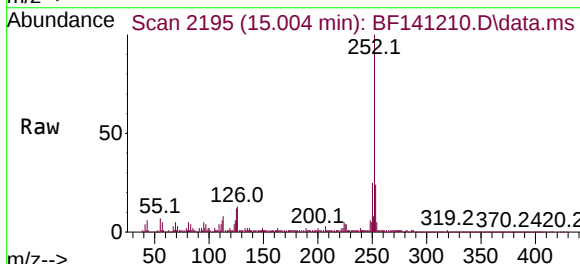
Instrument :
 BNA_F
 ClientSampleId :
 OK-01-1-16-2025

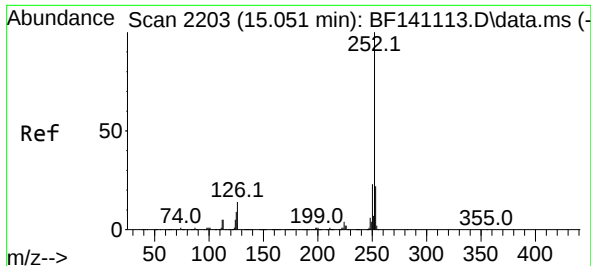
Tgt Ion:276 Resp: 174436
 Ion Ratio Lower Upper
 276 100
 138 21.7 20.7 31.1
 277 24.6 20.6 30.8



#88
 Benzo(b)fluoranthene
 Concen: 35.331 ng
 RT: 15.004 min Scan# 2195
 Delta R.T. -0.018 min
 Lab File: BF141210.D
 Acq: 17 Jan 2025 22:57

Tgt Ion:252 Resp: 632915
 Ion Ratio Lower Upper
 252 100
 253 23.8 17.8 26.6
 125 12.2 8.1 12.1#





#89

Benzo(k)fluoranthene

Concen: 41.807 ng

RT: 15.004 min Scan# 2119

Delta R.T. -0.047 min

Lab File: BF141210.D

Acq: 17 Jan 2025 22:57

Instrument :

BNA_F

ClientSampleId :

OK-01-1-16-2025

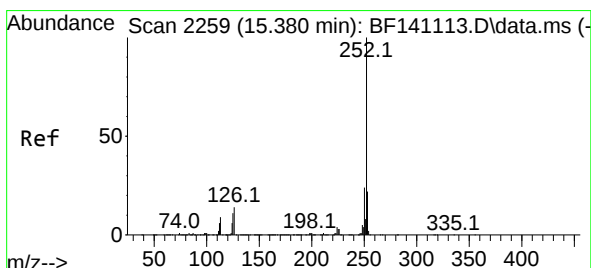
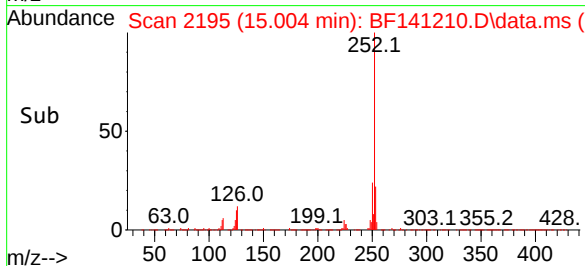
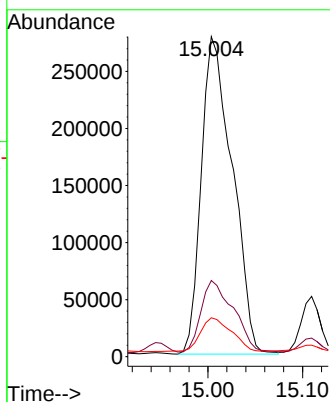
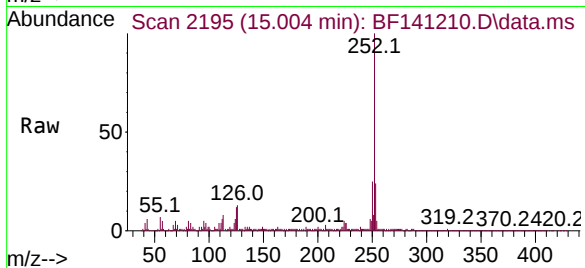
Tgt Ion:252 Resp: 632915

Ion Ratio Lower Upper

252 100

253 23.8 17.8 26.8

125 12.2 7.9 11.9#



#90

Benzo(a)pyrene

Concen: 22.907 ng

RT: 15.362 min Scan# 2256

Delta R.T. -0.018 min

Lab File: BF141210.D

Acq: 17 Jan 2025 22:57

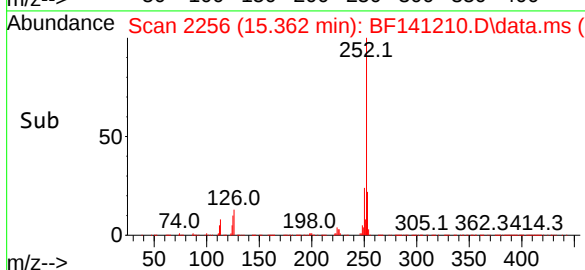
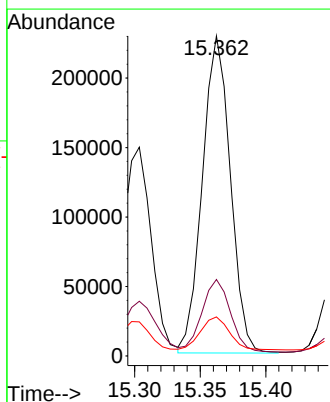
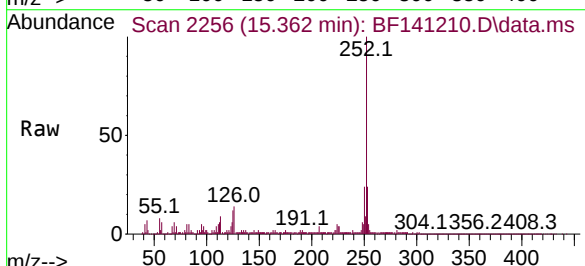
Tgt Ion:252 Resp: 338564

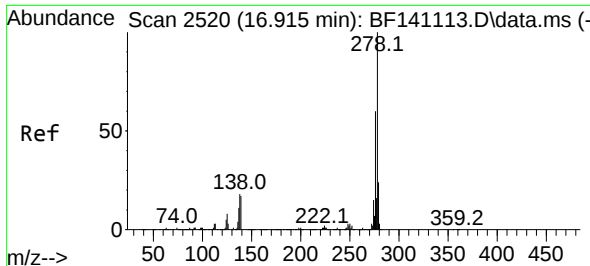
Ion Ratio Lower Upper

252 100

253 23.9 17.7 26.5

125 12.2 9.1 13.7

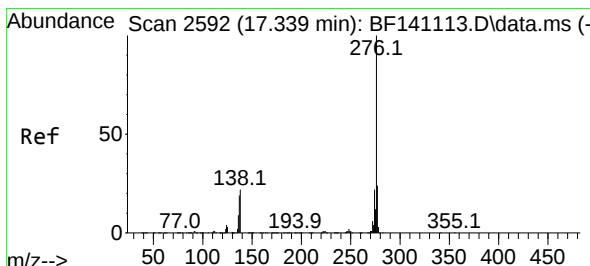
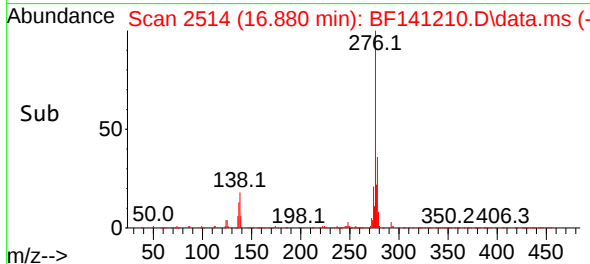
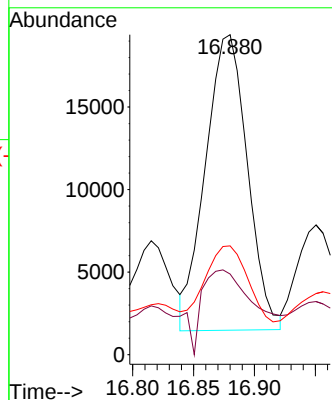
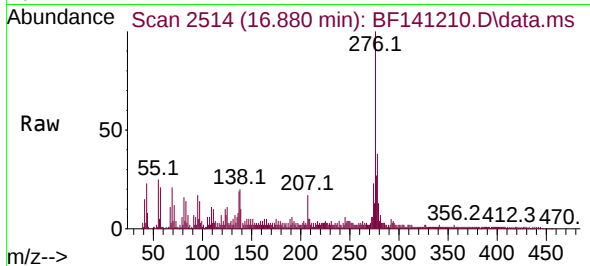




#91
Dibenzo(a,h)anthracene
Concen: 2.607 ng
RT: 16.880 min Scan# 21
Delta R.T. -0.035 min
Lab File: BF141210.D
Acq: 17 Jan 2025 22:57

Instrument :
BNA_F
ClientSampleId :
OK-01-1-16-2025

Tgt Ion:278 Resp: 42916
Ion Ratio Lower Upper
278 100
139 25.2 13.8 20.6#
279 34.0 19.1 28.7#



#92
Benzo(g,h,i)perylene
Concen: 10.860 ng
RT: 17.303 min Scan# 2586
Delta R.T. -0.035 min
Lab File: BF141210.D
Acq: 17 Jan 2025 22:57

Tgt Ion:276 Resp: 185956
Ion Ratio Lower Upper
276 100
277 25.4 19.0 28.4
138 21.9 17.4 26.2

