

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)

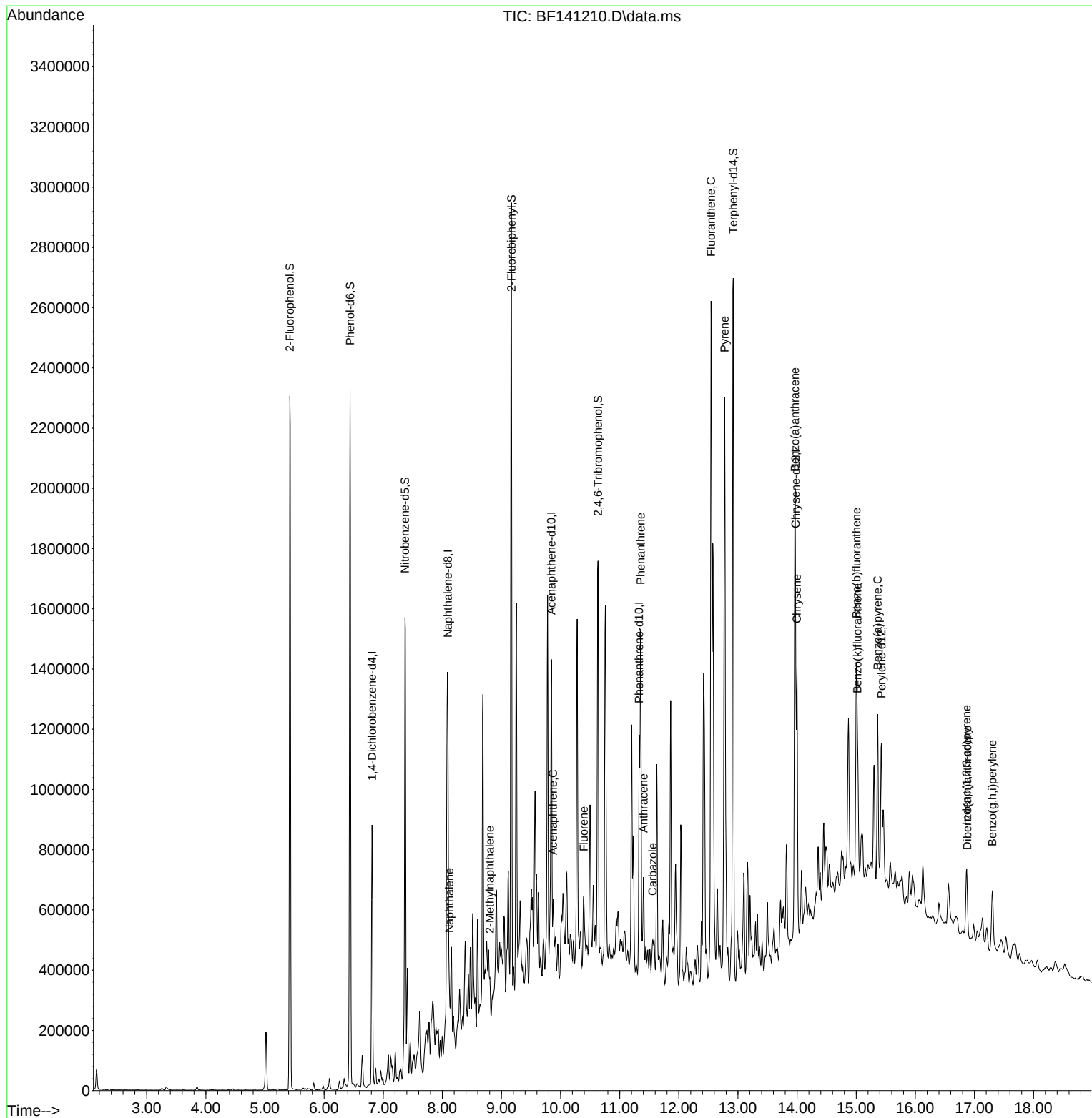
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.810	152	176715	20.000	ng	-0.01
21) Naphthalene-d8	8.092	136	620851	20.000	ng	-0.01
39) Acenaphthene-d10	9.845	164	280009	20.000	ng	-0.02
64) Phenanthrene-d10	11.327	188	400761	20.000	ng	-0.02
76) Chrysene-d12	13.974	240	368120	20.000	ng	-0.01
86) Perylene-d12	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
31) Naphthalene	8.116	128	82219	2.511	ng	# 93
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
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	496151m	27.696	ng	
89) Benzo(k)fluoranthene	15.021	252	145293m	9.597	ng	
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

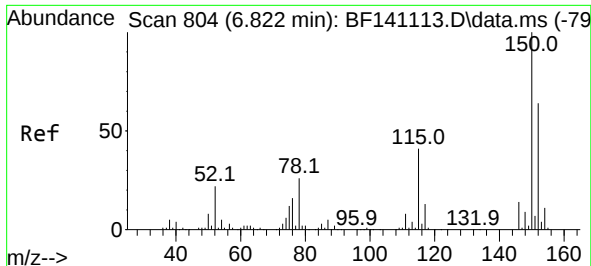
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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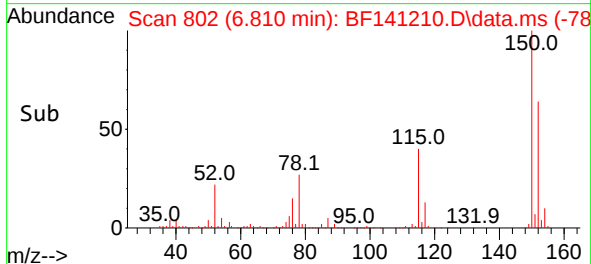
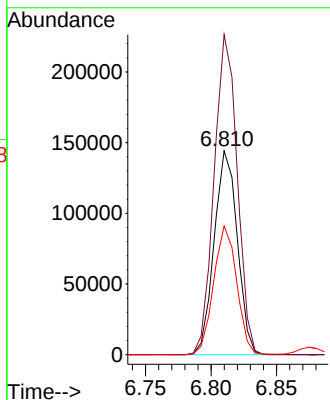
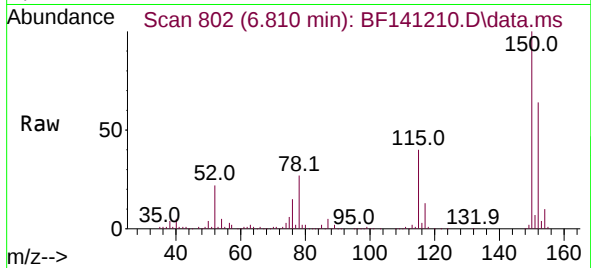




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.810 min Scan# 804
Delta R.T. -0.012 min
Lab File: BF141210.D
Acq: 17 Jan 2025 22:57

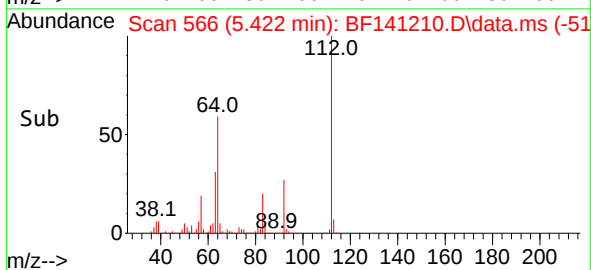
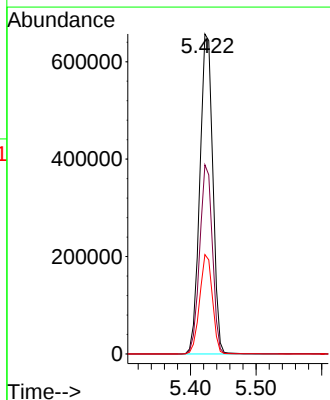
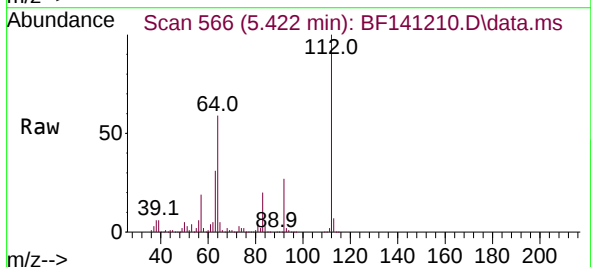
Instrument :
BNA_F
ClientSampleId :
OK-01-1-16-2025

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

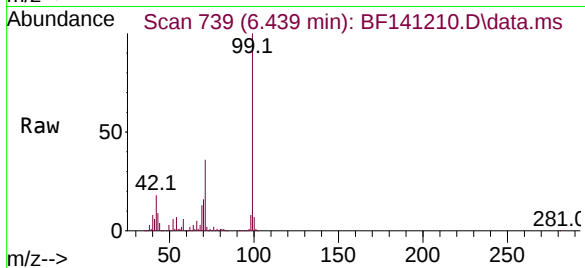
Tgt Ion:112 Resp: 908082
Ion Ratio Lower Upper
112 100
64 59.1 47.3 70.9
63 31.1 24.2 36.2



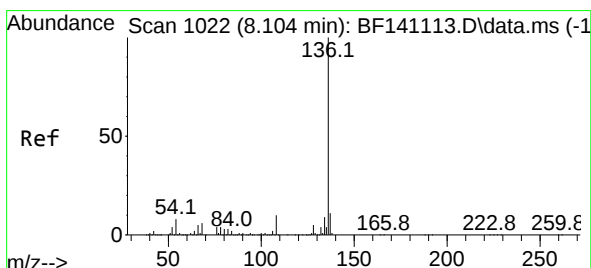
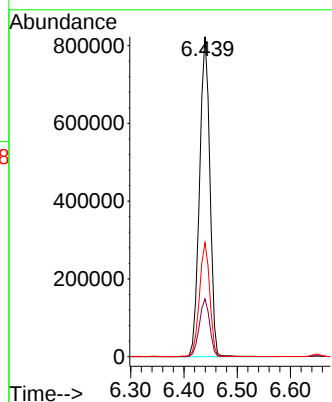
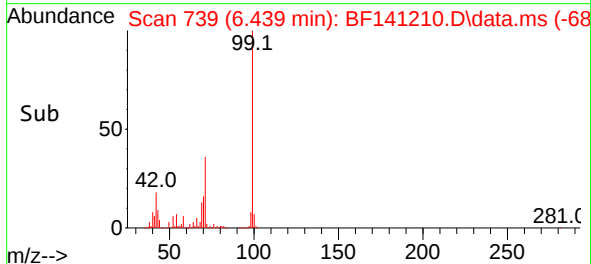


#7
Phenol-d6
Concen: 76.521 ng
RT: 6.439 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF141210.D
Acq: 17 Jan 2025 22:57

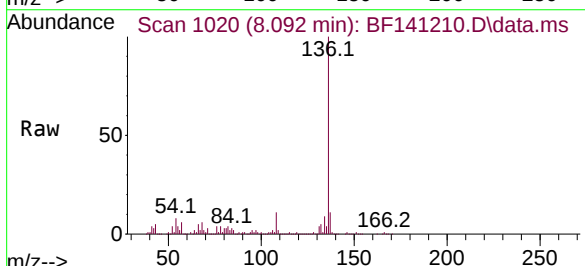
Instrument :
BNA_F
ClientSampleId :
OK-01-1-16-2025



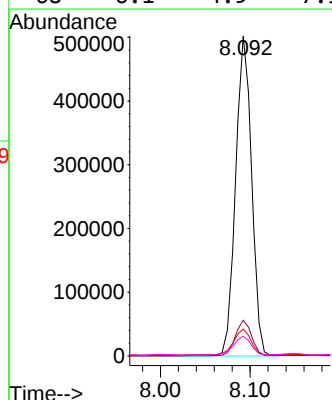
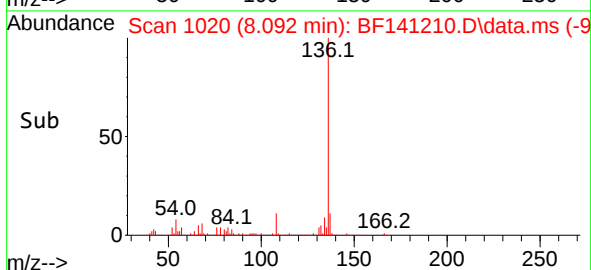
Tgt Ion: 99 Resp: 1108811
Ion Ratio Lower Upper
99 100
42 18.1 15.0 22.4
71 35.6 27.6 41.4

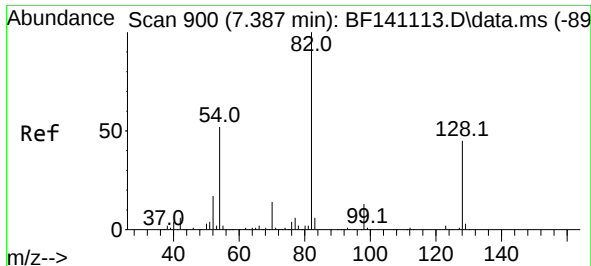


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.092 min Scan# 1020
Delta R.T. -0.012 min
Lab File: BF141210.D
Acq: 17 Jan 2025 22:57



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

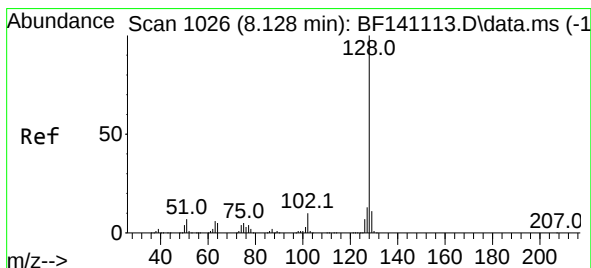
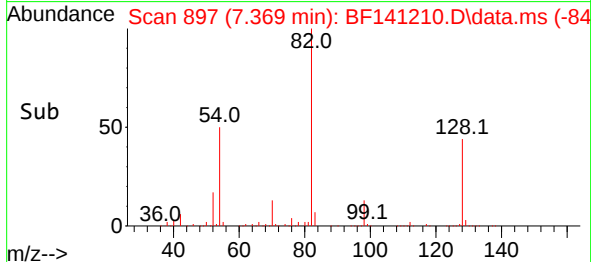
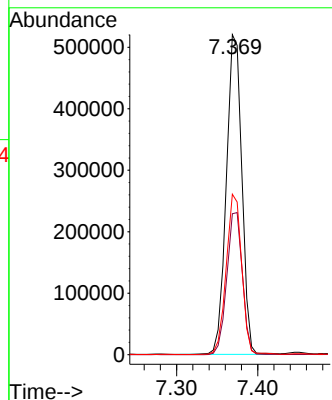
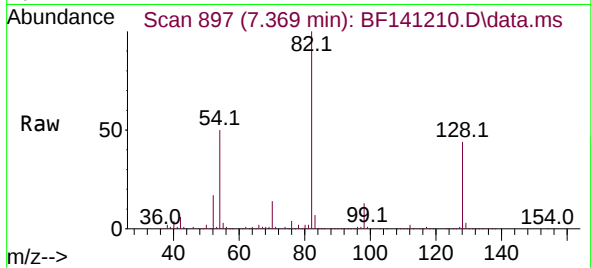




#23
Nitrobenzene-d5
Concen: 59.184 ng
RT: 7.369 min Scan# 89
Delta R.T. -0.018 min
Lab File: BF141210.D
Acq: 17 Jan 2025 22:57

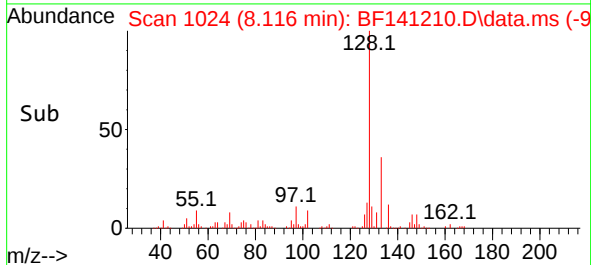
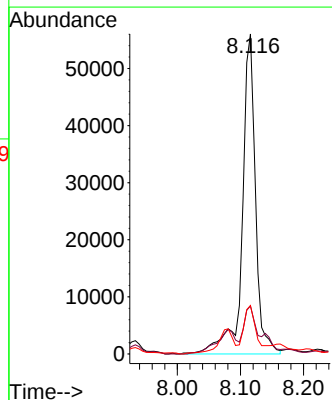
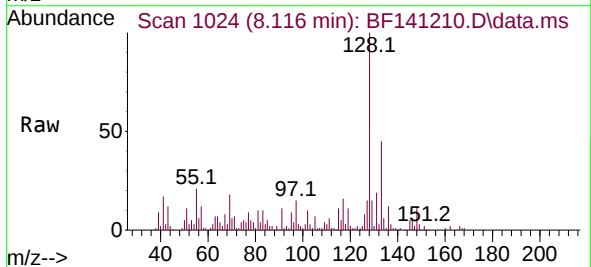
Instrument :
BNA_F
ClientSampleId :
OK-01-1-16-2025

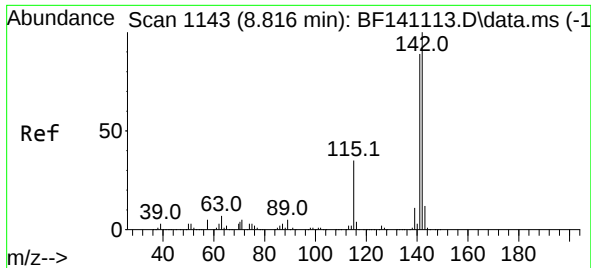
Tgt Ion: 82 Resp: 693178
Ion Ratio Lower Upper
82 100
128 44.0 36.1 54.1
54 50.2 41.0 61.4



#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

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

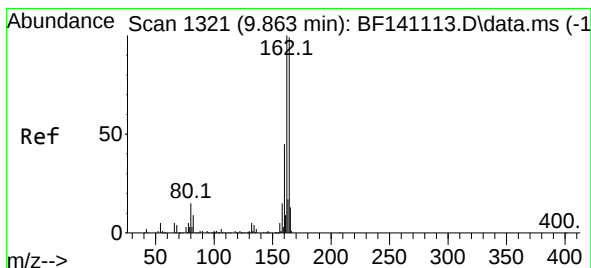
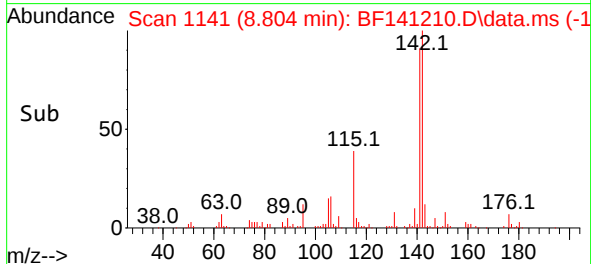
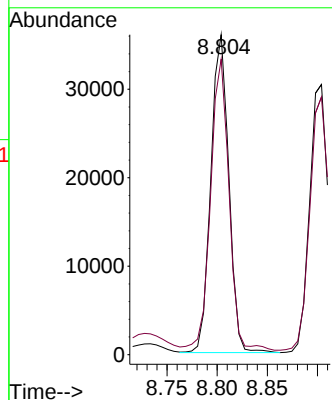
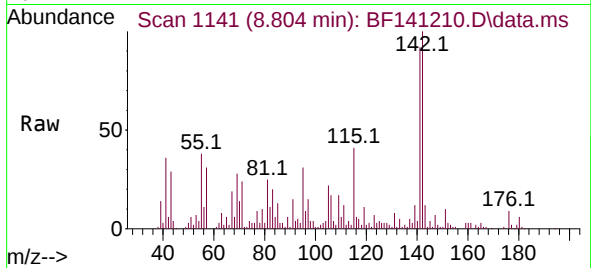




#37
2-Methylnaphthalene
Concen: 2.141 ng
RT: 8.804 min Scan# 1143
Delta R.T. -0.012 min
Lab File: BF141210.D
Acq: 17 Jan 2025 22:57

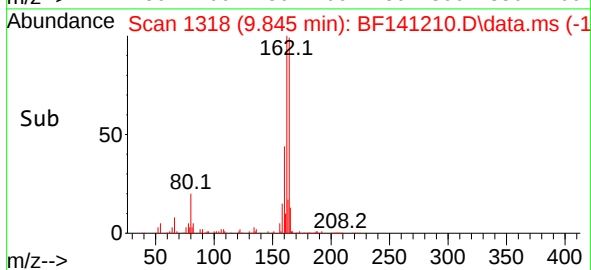
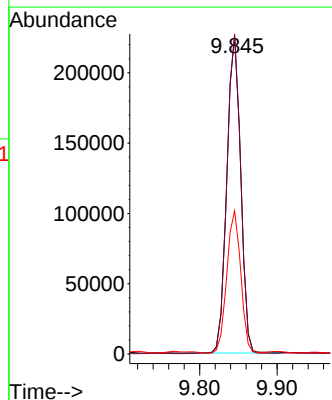
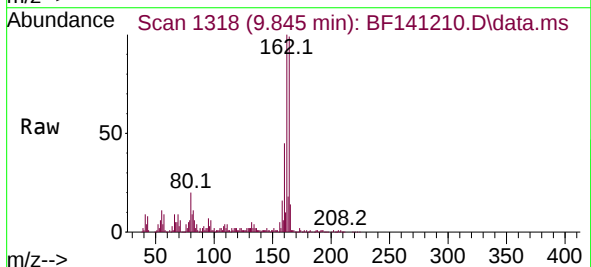
Instrument :
BNA_F
ClientSampleId :
OK-01-1-16-2025

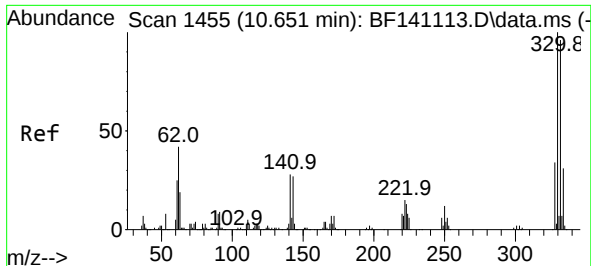
Tgt Ion:142 Resp: 44662
Ion Ratio Lower Upper
142 100
141 92.3 71.3 106.9



#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# 1455

Delta R.T. -0.018 min

Lab File: BF141210.D

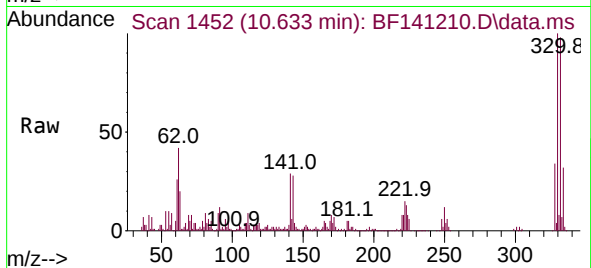
Acq: 17 Jan 2025 22:57

Instrument :

BNA_F

ClientSampleId :

OK-01-1-16-2025



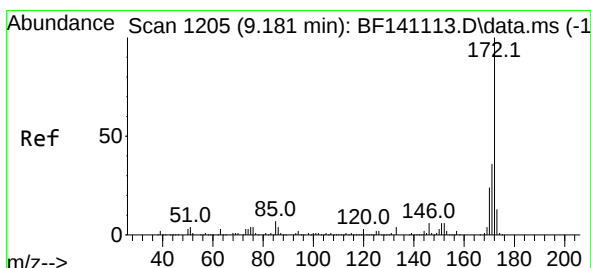
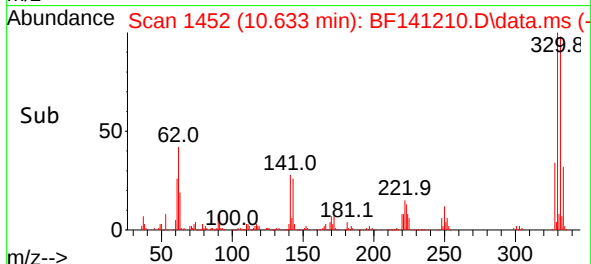
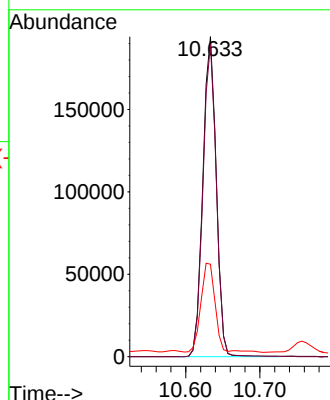
Tgt Ion:330 Resp: 243449

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

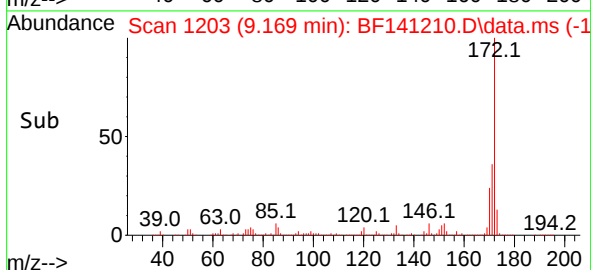
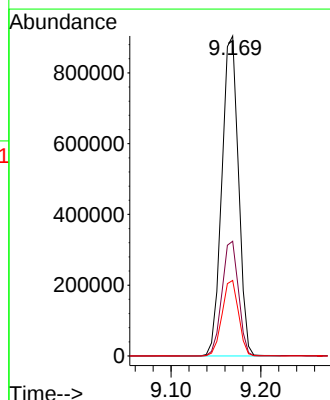
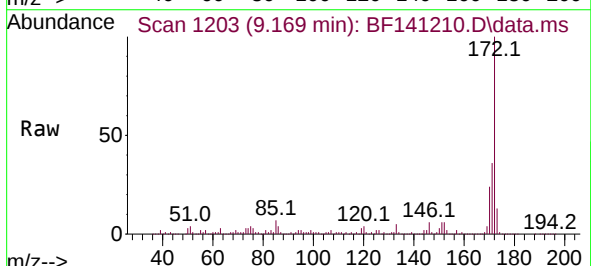
Tgt Ion:172 Resp: 1161861

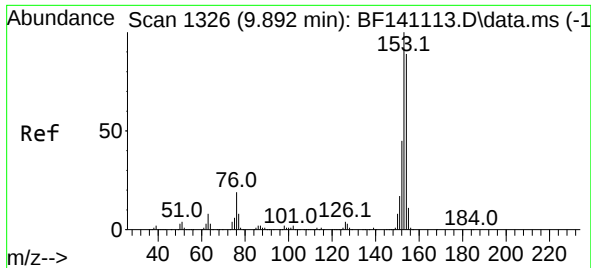
Ion Ratio Lower Upper

172 100

171 35.8 28.7 43.1

170 23.6 19.0 28.6

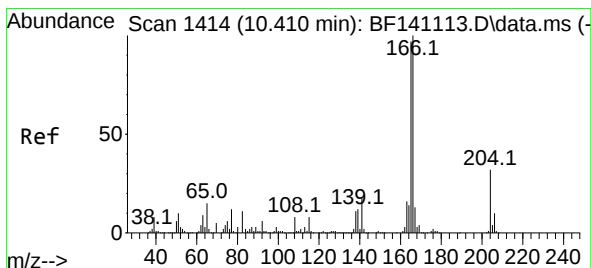
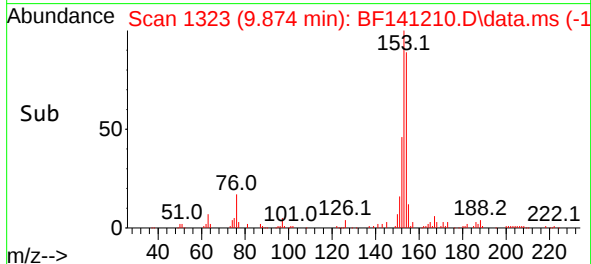
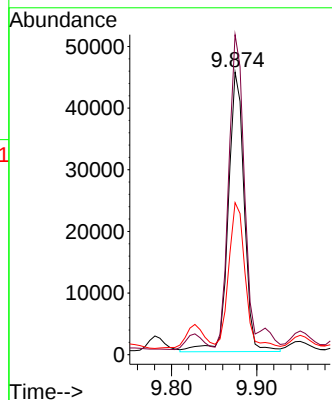
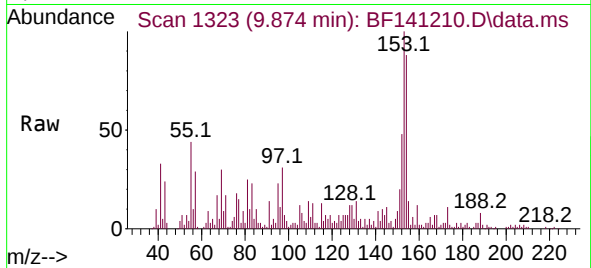




#52
Acenaphthene
Concen: 3.488 ng
RT: 9.874 min Scan# 11
Delta R.T. -0.018 min
Lab File: BF141210.D
Acq: 17 Jan 2025 22:57

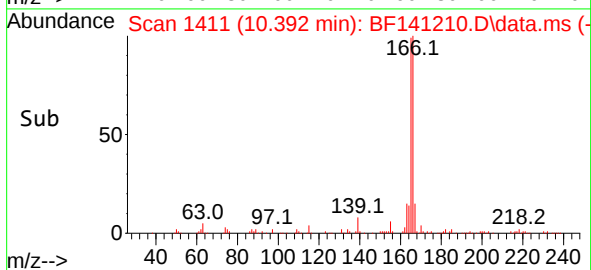
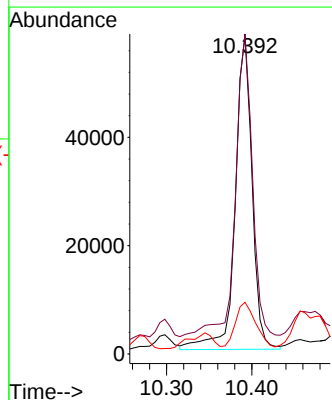
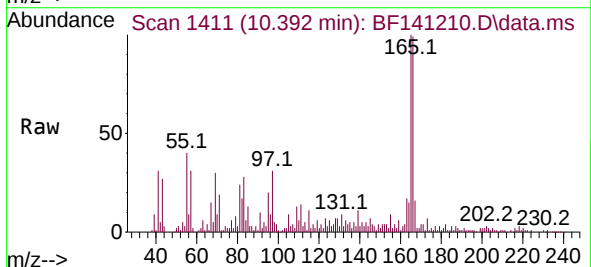
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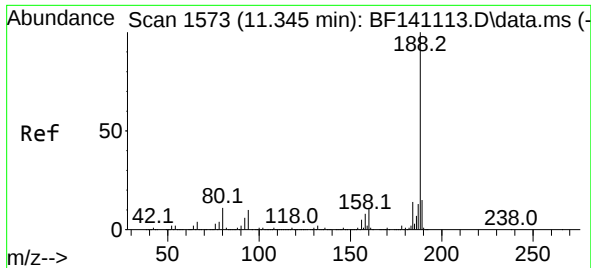
Tgt Ion:154 Resp: 58976
Ion Ratio Lower Upper
154 100
153 113.2 89.8 134.6
152 53.8 40.8 61.2



#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#

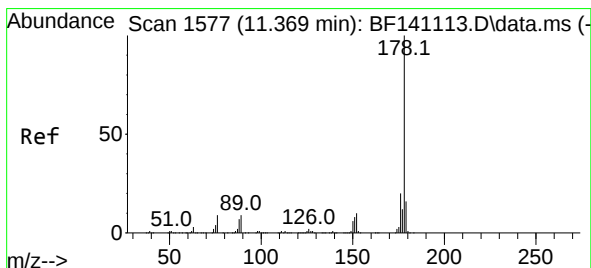
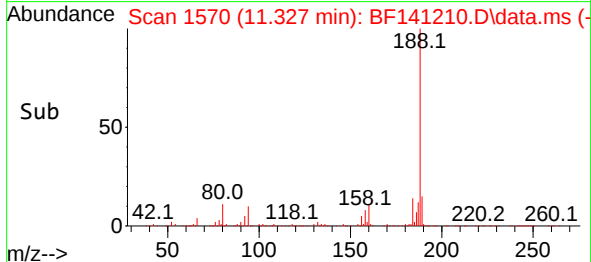
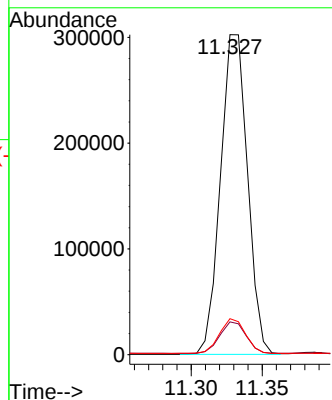
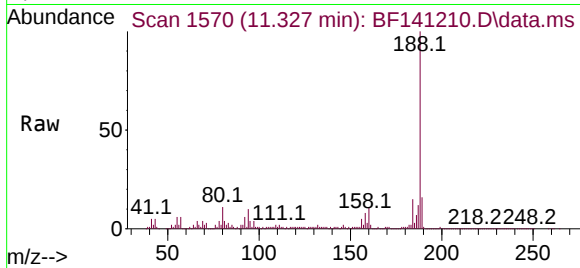




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.327 min Scan# 11
Delta R.T. -0.018 min
Lab File: BF141210.D
Acq: 17 Jan 2025 22:57

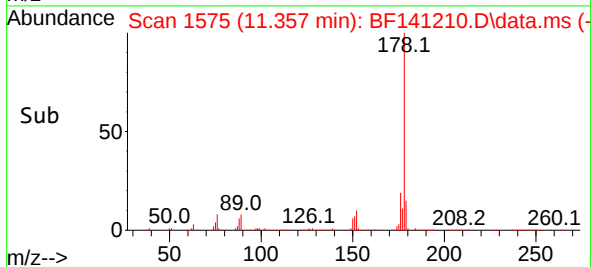
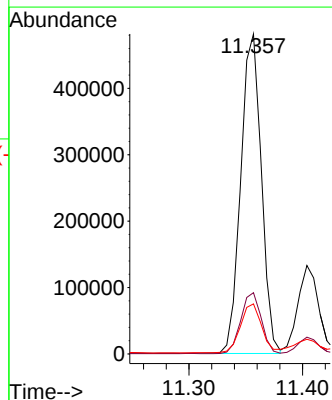
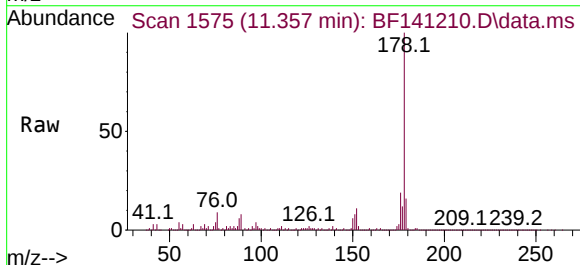
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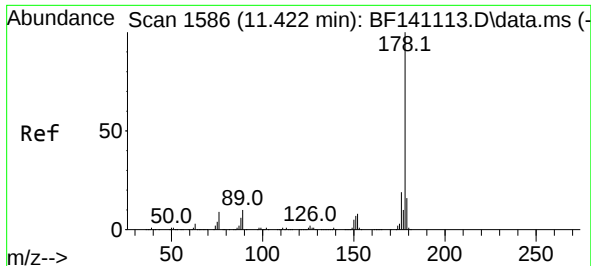
Tgt Ion:188 Resp: 400761
Ion Ratio Lower Upper
188 100
94 10.3 8.3 12.5
80 11.3 9.0 13.4



#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

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

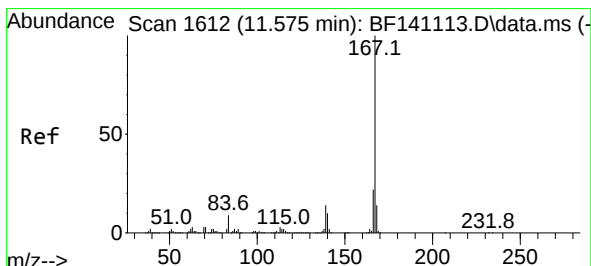
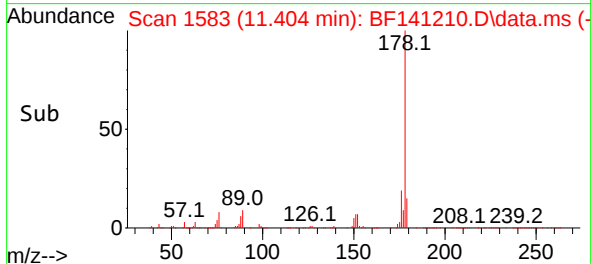
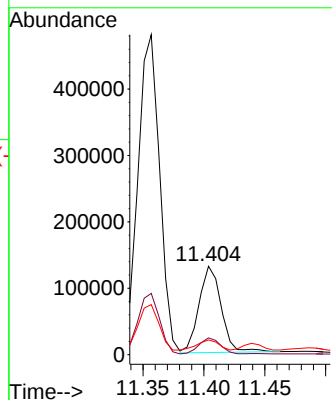
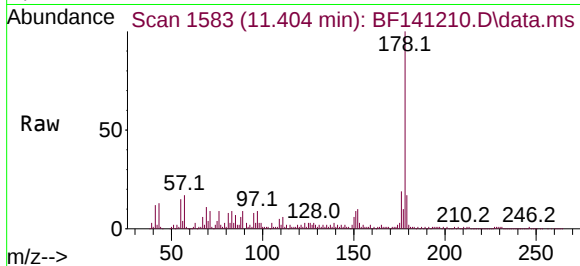




#72
 Anthracene
 Concen: 7.891 ng
 RT: 11.404 min Scan# 11
 Delta R.T. -0.018 min
 Lab File: BF141210.D
 Acq: 17 Jan 2025 22:57

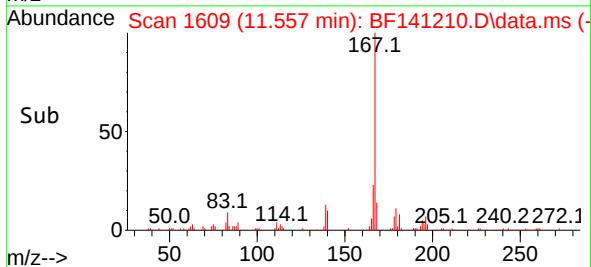
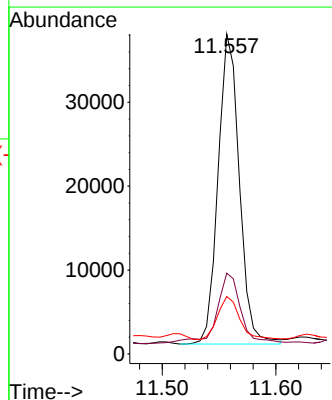
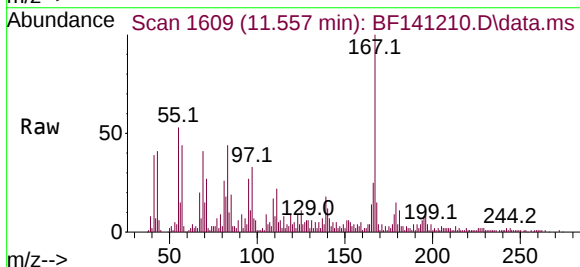
Instrument :
 BNA_F
 ClientSampleId :
 OK-01-1-16-2025

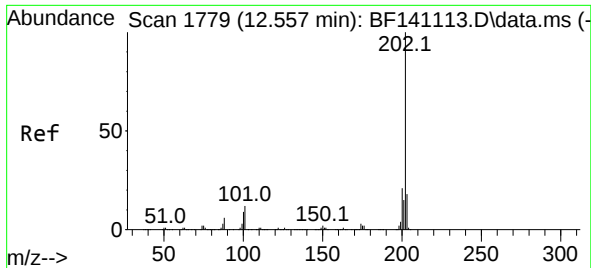
Tgt Ion:178 Resp: 165078
 Ion Ratio Lower Upper
 178 100
 176 19.0 14.9 22.3
 179 16.7 12.6 19.0



#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

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#

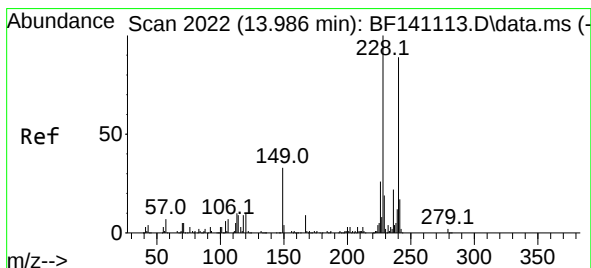
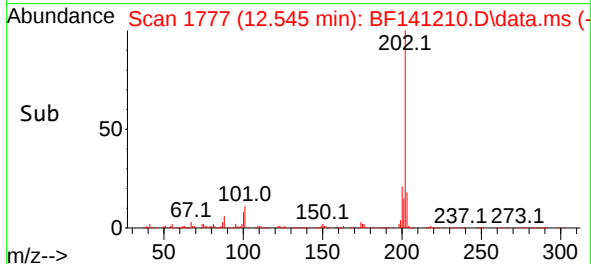
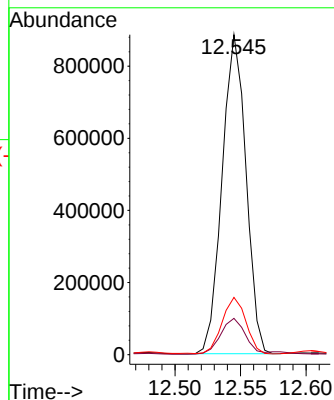
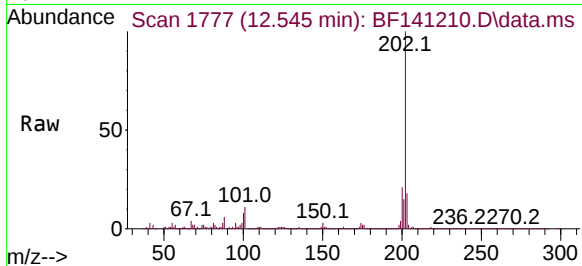




#75
Fluoranthene
Concen: 52.221 ng
RT: 12.545 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF141210.D
Acq: 17 Jan 2025 22:57

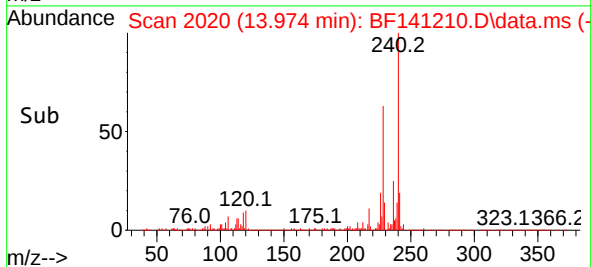
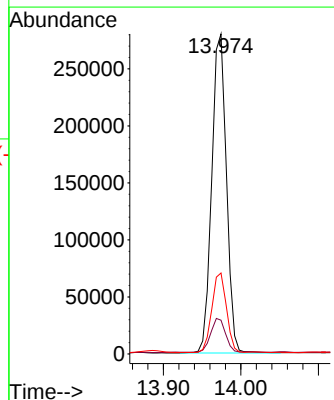
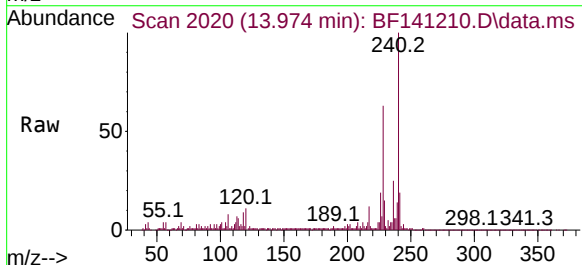
Instrument :
BNA_F
ClientSampleId :
OK-01-1-16-2025

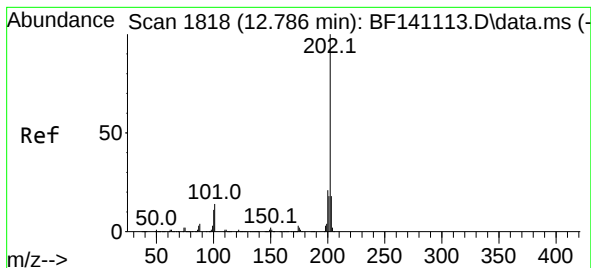
Tgt Ion:202 Resp: 1121205
Ion Ratio Lower Upper
202 100
101 11.4 0.0 32.3
203 17.9 0.0 37.7



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.974 min Scan# 2020
Delta R.T. -0.012 min
Lab File: BF141210.D
Acq: 17 Jan 2025 22:57

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# 1818

Delta R.T. -0.012 min

Lab File: BF141210.D

Acq: 17 Jan 2025 22:57

Instrument :

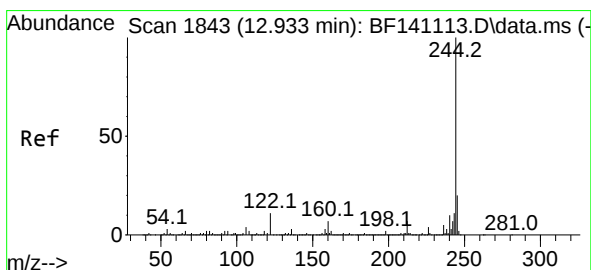
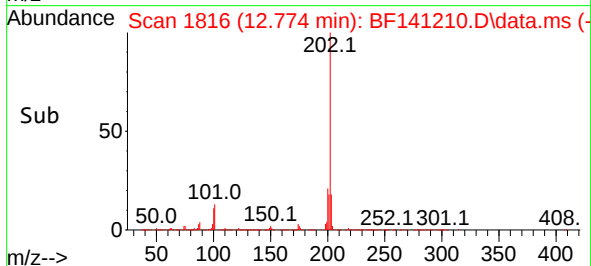
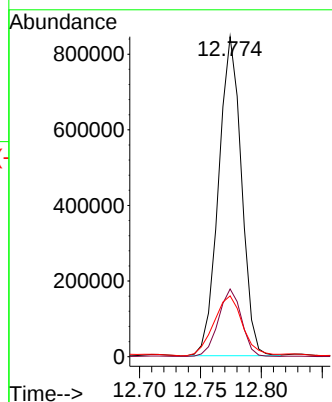
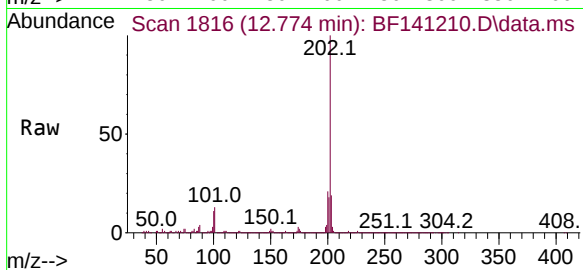
BNA_F

ClientSampleId :

OK-01-1-16-2025

Tgt Ion: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# 1841

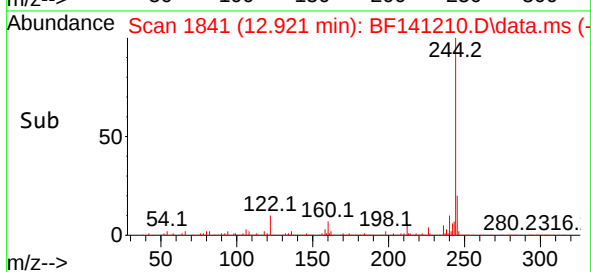
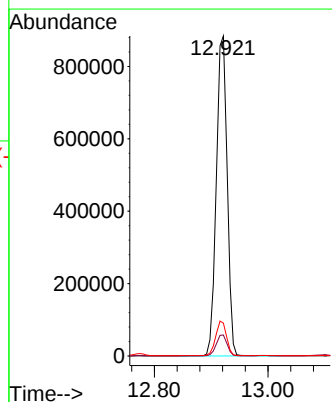
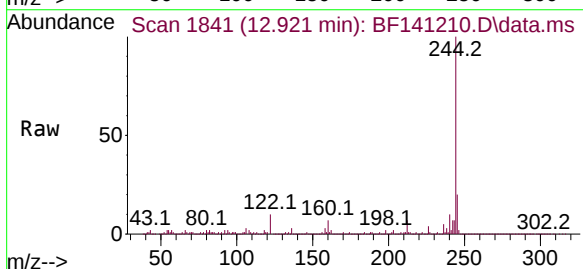
Delta R.T. -0.012 min

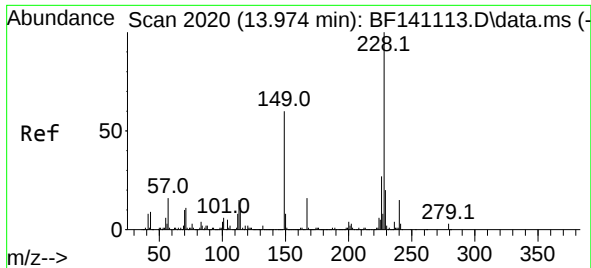
Lab File: BF141210.D

Acq: 17 Jan 2025 22:57

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

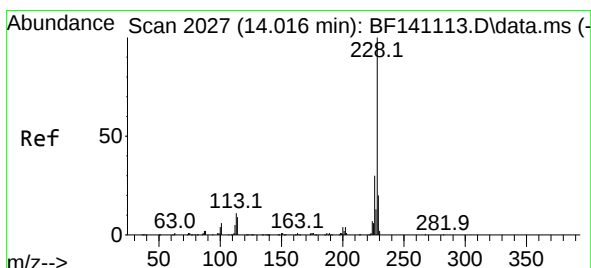
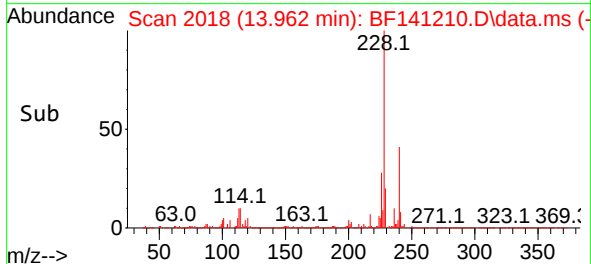
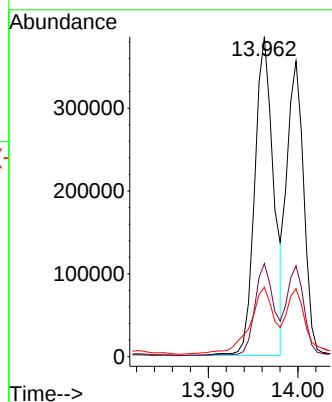
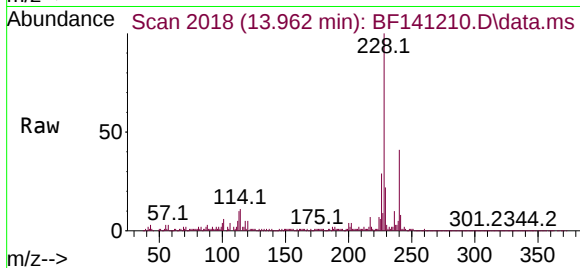




#81
Benzo(a)anthracene
Concen: 22.530 ng
RT: 13.962 min Scan# 20
Delta R.T. -0.012 min
Lab File: BF141210.D
Acq: 17 Jan 2025 22:57

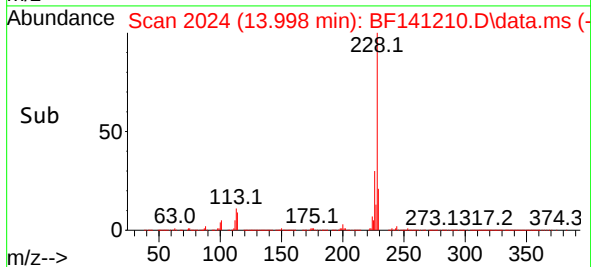
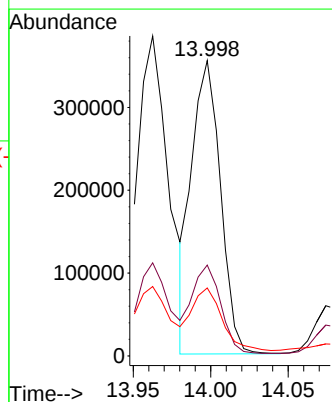
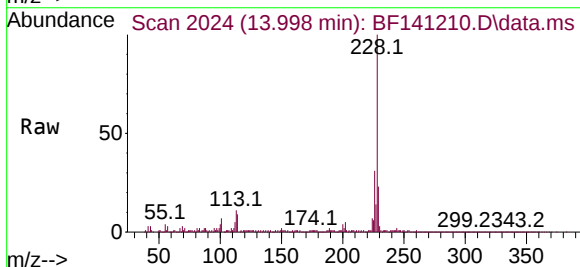
Instrument :
BNA_F
ClientSampleId :
OK-01-1-16-2025

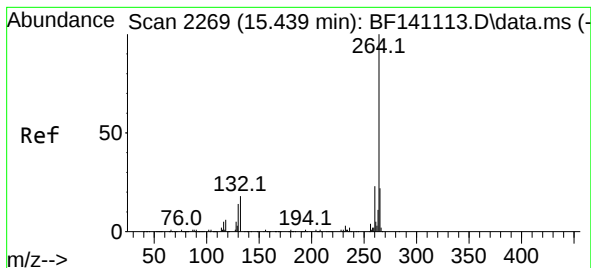
Tgt Ion:228 Resp: 564435
Ion Ratio Lower Upper
228 100
226 29.1 21.7 32.5
229 21.7 15.7 23.5



#83
Chrysene
Concen: 19.511 ng
RT: 13.998 min Scan# 2024
Delta R.T. -0.018 min
Lab File: BF141210.D
Acq: 17 Jan 2025 22:57

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# 21

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

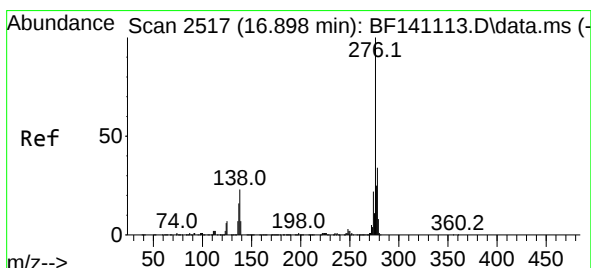
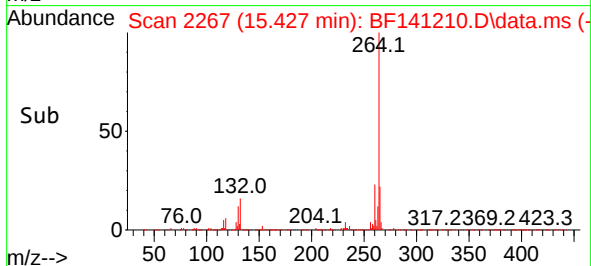
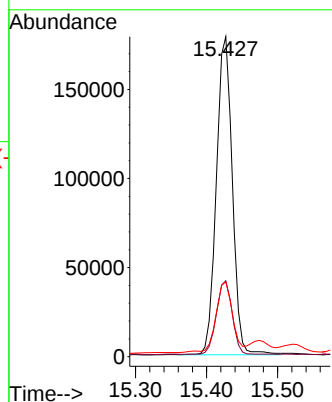
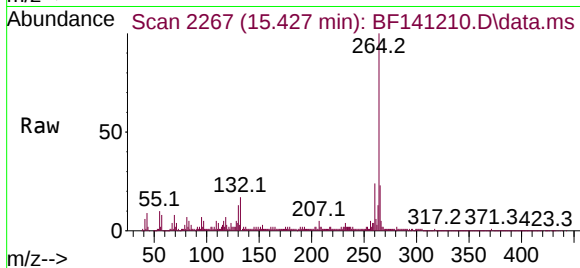
Tgt Ion:264 Resp: 277808

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# 2512

Delta R.T. -0.030 min

Lab File: BF141210.D

Acq: 17 Jan 2025 22:57

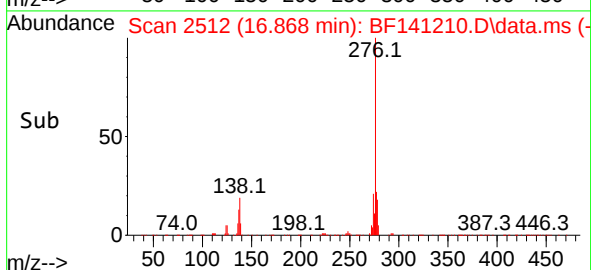
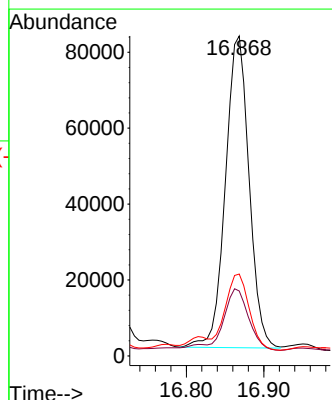
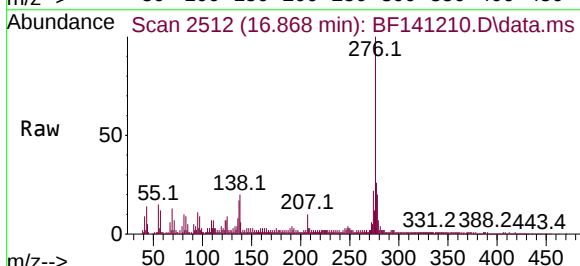
Tgt Ion:276 Resp: 174436

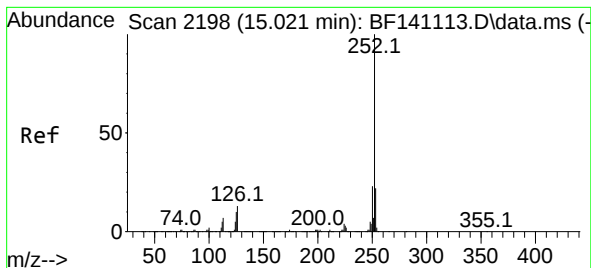
Ion Ratio Lower Upper

276 100

138 21.7 20.7 31.1

277 24.6 20.6 30.8





#88

Benzo(b)fluoranthene

Concen: 27.696 ng m

RT: 15.004 min Scan# 2195

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

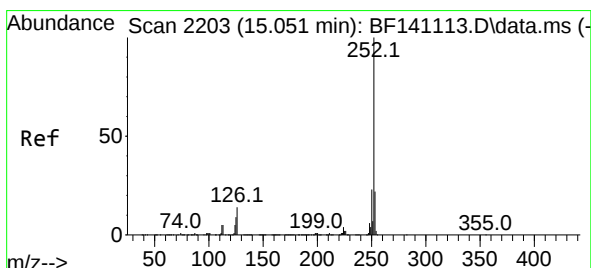
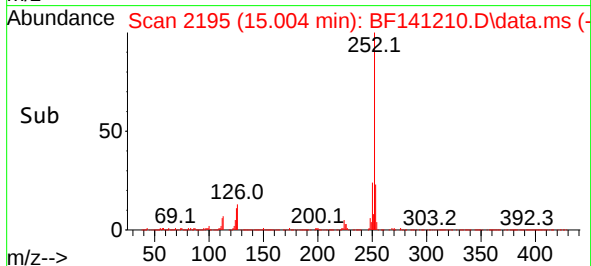
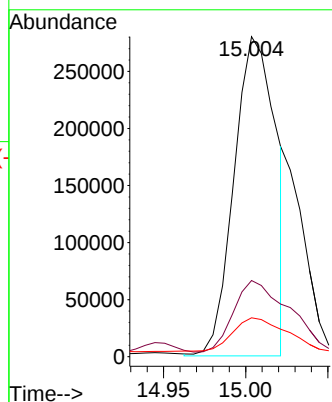
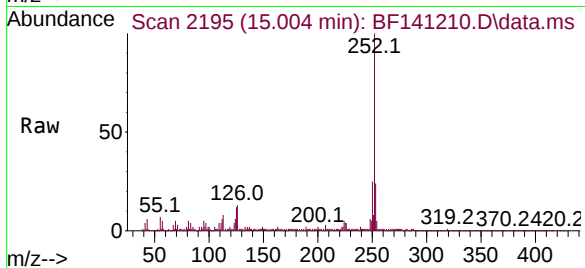
Tgt Ion:252 Resp: 496151

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: 9.597 ng m

RT: 15.021 min Scan# 2198

Delta R.T. -0.030 min

Lab File: BF141210.D

Acq: 17 Jan 2025 22:57

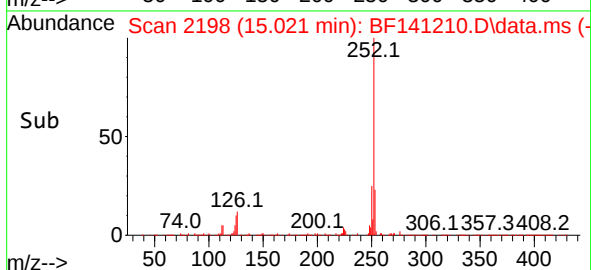
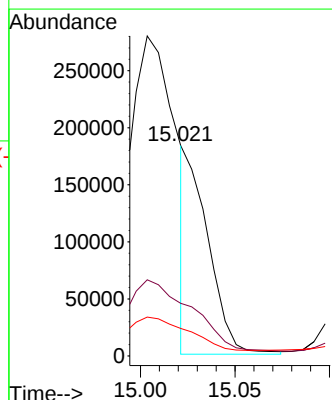
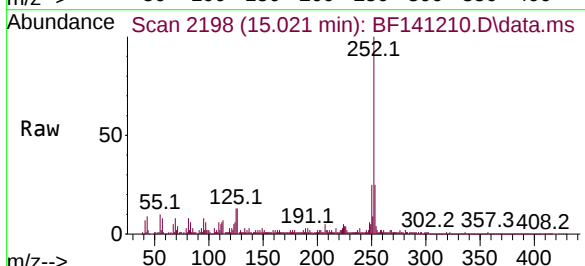
Tgt Ion:252 Resp: 145293

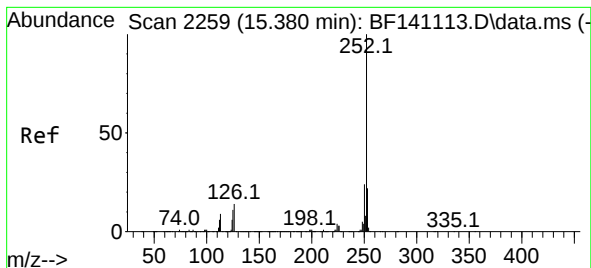
Ion Ratio Lower Upper

252 100

253 25.0 17.8 26.8

125 13.1 7.9 11.9#





#90

Benzo(a)pyrene

Concen: 22.907 ng

RT: 15.362 min Scan# 21

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

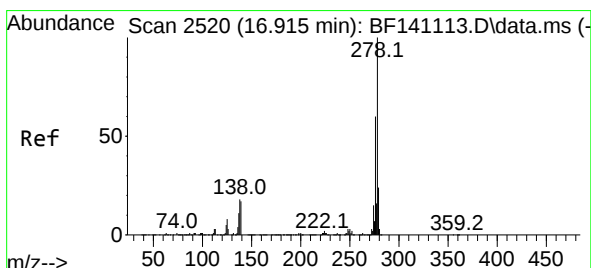
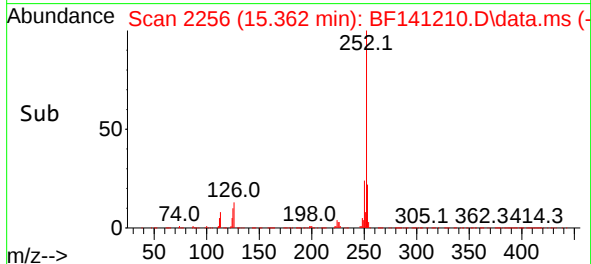
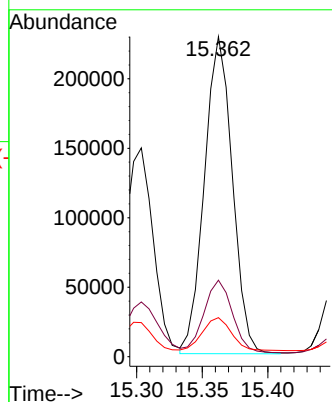
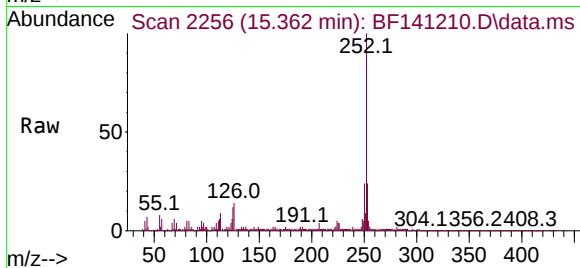
Tgt Ion:252 Resp: 338564

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# 2514

Delta R.T. -0.035 min

Lab File: BF141210.D

Acq: 17 Jan 2025 22:57

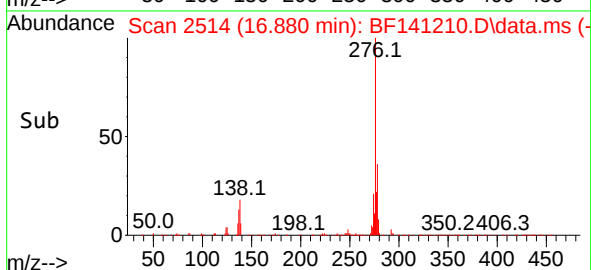
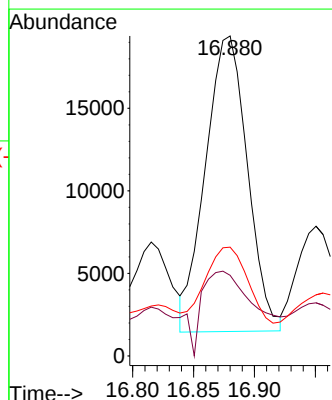
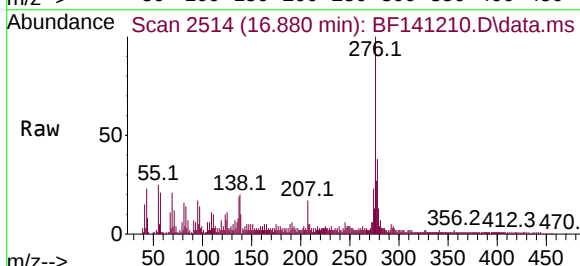
Tgt Ion:278 Resp: 42916

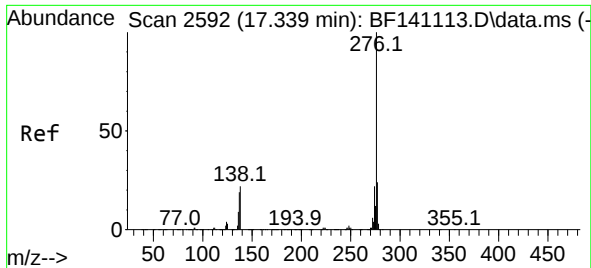
Ion Ratio Lower Upper

278 100

139 25.2 13.8 20.6#

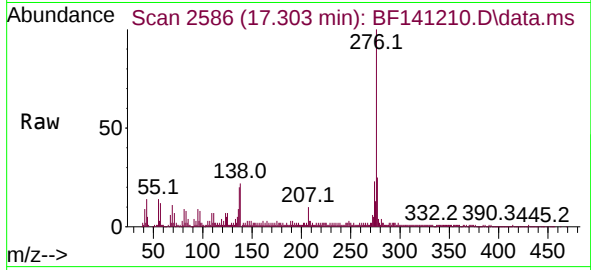
279 34.0 19.1 28.7#





#92
Benzo(g,h,i)perylene
Concen: 10.860 ng
RT: 17.303 min Scan# 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:276 Resp: 185956
Ion Ratio Lower Upper
276 100
277 25.4 19.0 28.4
138 21.9 17.4 26.2

