

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011725\
 Data File : BF141205.D
 Acq On : 17 Jan 2025 20:44
 Operator : RC/JU
 Sample : Q1110-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 BIN-1

Quant Time: Jan 17 23:12:18 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

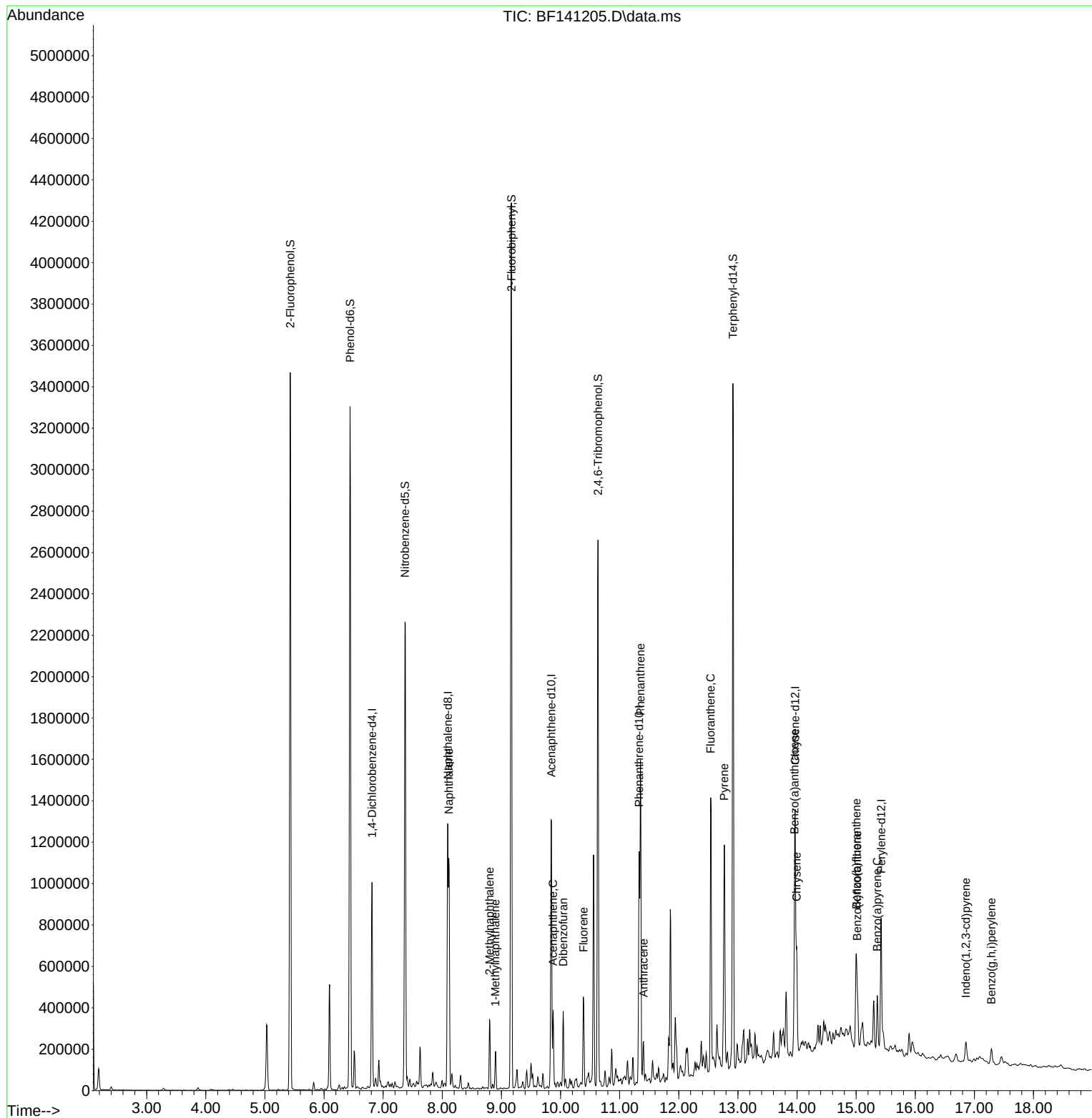
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.810	152	201610	20.000	ng	-0.01
21) Naphthalene-d8	8.092	136	802580	20.000	ng	-0.01
39) Acenaphthene-d10	9.845	164	397983	20.000	ng	-0.02
64) Phenanthrene-d10	11.328	188	560882	20.000	ng	-0.02
76) Chrysene-d12	13.969	240	400195	20.000	ng	-0.02
86) Perylene-d12	15.421	264	361883	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	1391011	106.584	ng	0.00
7) Phenol-d6	6.440	99	1733510	104.860	ng	0.00
23) Nitrobenzene-d5	7.369	82	1121193	74.052	ng	-0.02
42) 2,4,6-Tribromophenol	10.633	330	481587	106.199	ng	-0.02
45) 2-Fluorobiphenyl	9.169	172	1990666	76.381	ng	-0.01
79) Terphenyl-d14	12.916	244	1648318	61.218	ng	-0.02
Target Compounds						
						Qvalue
31) Naphthalene	8.110	128	466919	11.032	ng	100
37) 2-Methylnaphthalene	8.798	142	129387	4.797	ng	98
38) 1-Methylnaphthalene	8.898	142	67542	2.541	ng	100
52) Acenaphthene	9.875	154	111730	4.650	ng	98
55) Dibenzofuran	10.045	168	174095	5.327	ng	99
58) Fluorene	10.386	166	169116	6.660	ng	99
71) Phenanthrene	11.351	178	815781	27.092	ng	99
72) Anthracene	11.404	178	117470	4.012	ng	99
75) Fluoranthene	12.539	202	746744	24.851	ng	99
78) Pyrene	12.769	202	611913	16.009	ng	99
81) Benzo(a)anthracene	13.957	228	258207	9.481	ng	95
83) Chrysene	13.992	228	272275	10.684	ng	98
87) Indeno(1,2,3-cd)pyrene	16.857	276	74943	2.827	ng	95
88) Benzo(b)fluoranthene	15.004	252	294511m	12.621	ng	
89) Benzo(k)fluoranthene	15.016	252	107488m	5.451	ng	
90) Benzo(a)pyrene	15.357	252	156859	8.147	ng	98
92) Benzo(g,h,i)perylene	17.286	276	67428	3.023	ng	99

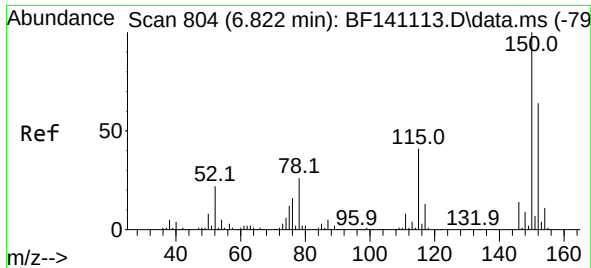
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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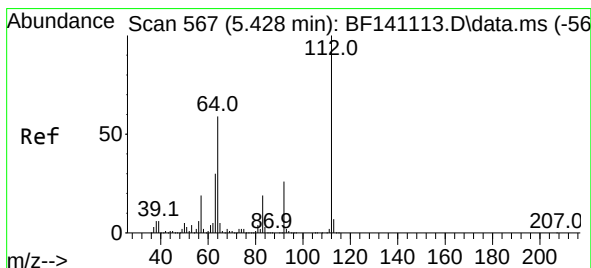
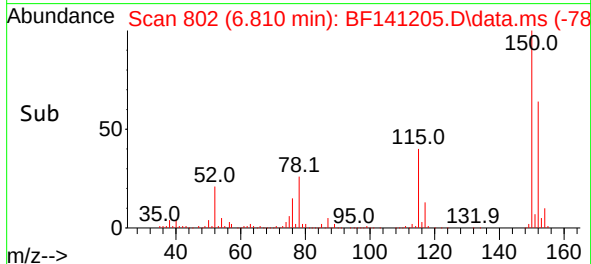
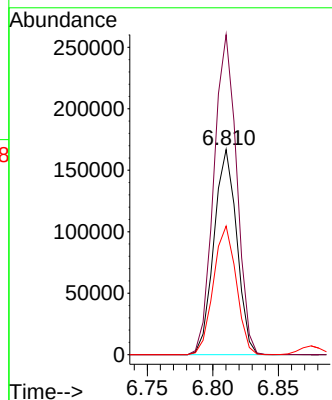
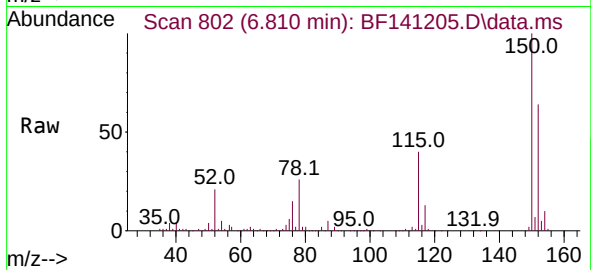




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.810 min Scan# 804
 Delta R.T. -0.012 min
 Lab File: BF141205.D
 Acq: 17 Jan 2025 20:44

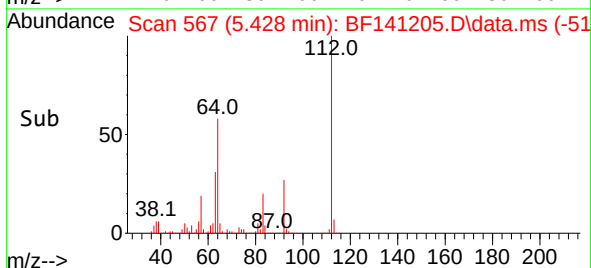
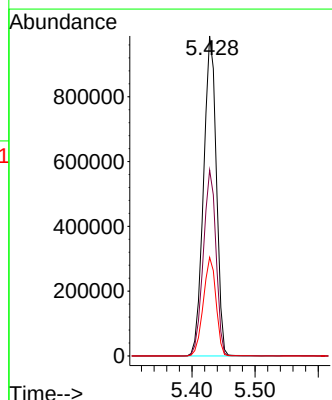
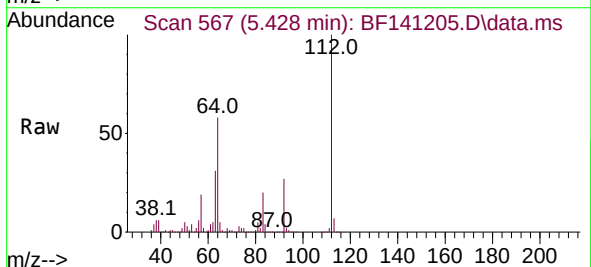
Instrument :
 BNA_F
 ClientSampleId :
 BIN-1

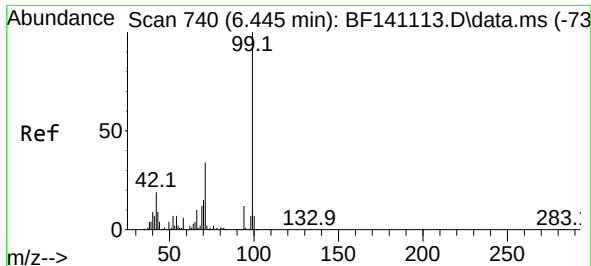
Tgt Ion:152 Resp: 201610
 Ion Ratio Lower Upper
 152 100
 150 156.1 125.8 188.8
 115 62.8 51.4 77.2



#5
 2-Fluorophenol
 Concen: 106.584 ng
 RT: 5.428 min Scan# 567
 Delta R.T. 0.000 min
 Lab File: BF141205.D
 Acq: 17 Jan 2025 20:44

Tgt Ion:112 Resp: 1391011
 Ion Ratio Lower Upper
 112 100
 64 58.1 47.3 70.9
 63 30.8 24.2 36.2

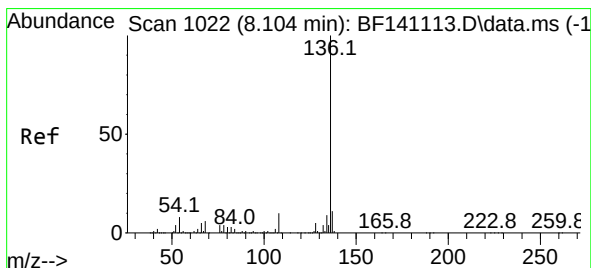
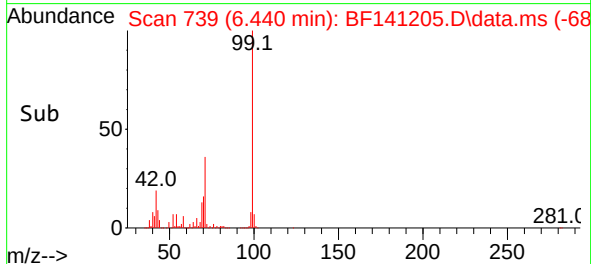
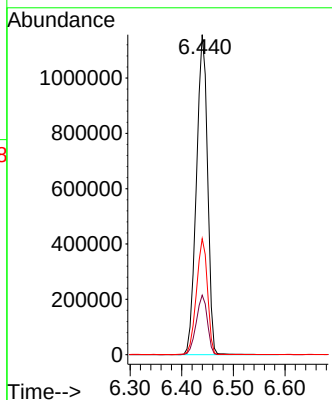
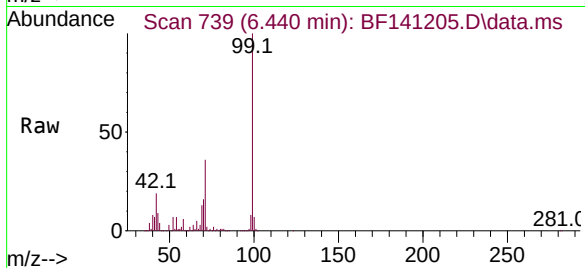




#7
Phenol-d6
Concen: 104.860 ng
RT: 6.440 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF141205.D
Acq: 17 Jan 2025 20:44

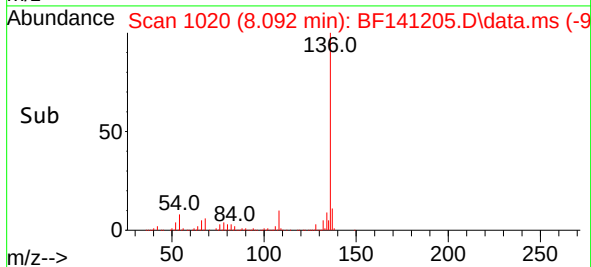
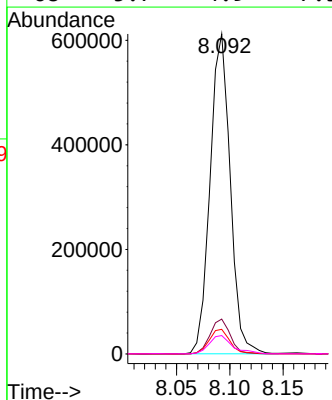
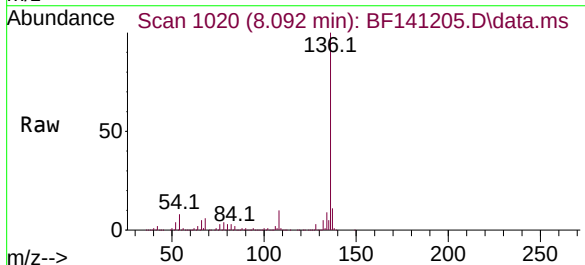
Instrument :
BNA_F
ClientSampleId :
BIN-1

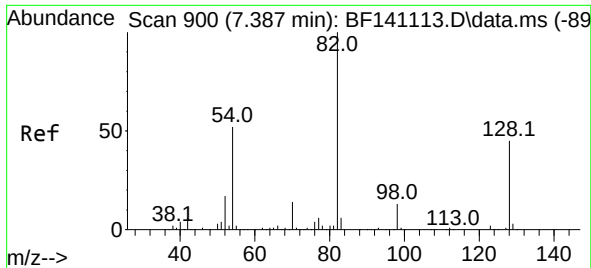
Tgt Ion: 99 Resp: 1733510
Ion Ratio Lower Upper
99 100
42 18.6 15.0 22.4
71 36.2 27.6 41.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.092 min Scan# 1020
Delta R.T. -0.012 min
Lab File: BF141205.D
Acq: 17 Jan 2025 20:44

Tgt Ion:136 Resp: 802580
Ion Ratio Lower Upper
136 100
137 10.9 8.8 13.2
54 7.7 6.3 9.5
68 5.7 4.9 7.3





#23

Nitrobenzene-d5

Concen: 74.052 ng

RT: 7.369 min Scan# 897

Delta R.T. -0.018 min

Lab File: BF141205.D

Acq: 17 Jan 2025 20:44

Instrument :

BNA_F

ClientSampleId :

BIN-1

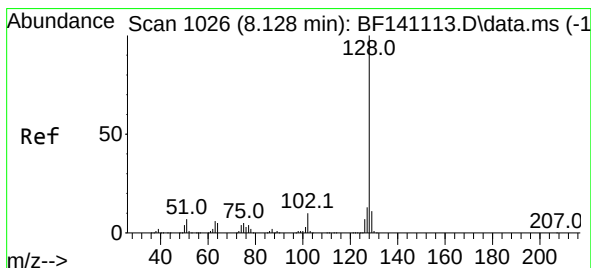
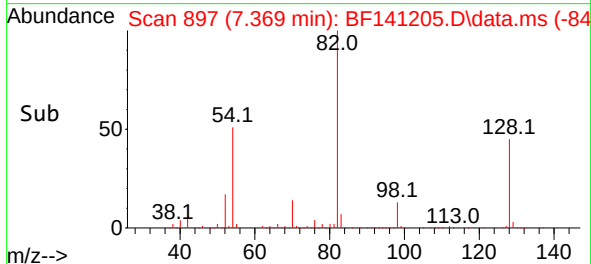
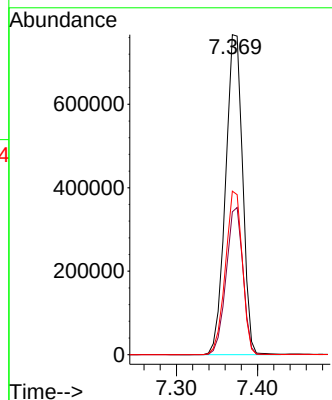
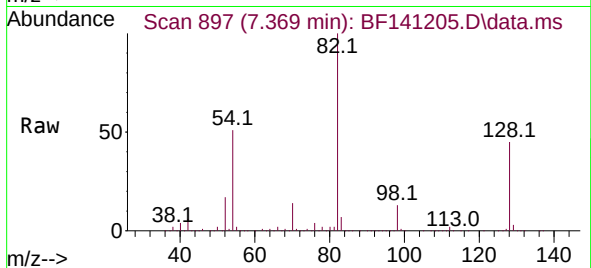
Tgt Ion: 82 Resp: 1121193

Ion Ratio Lower Upper

82 100

128 44.7 36.1 54.1

54 51.1 41.0 61.4



#31

Naphthalene

Concen: 11.032 ng

RT: 8.110 min Scan# 1023

Delta R.T. -0.018 min

Lab File: BF141205.D

Acq: 17 Jan 2025 20:44

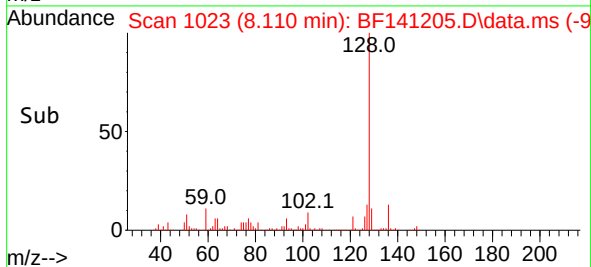
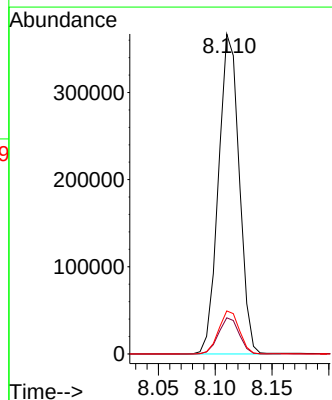
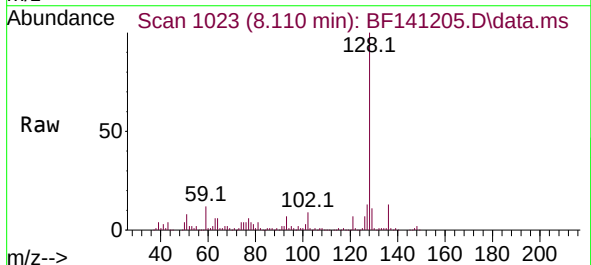
Tgt Ion:128 Resp: 466919

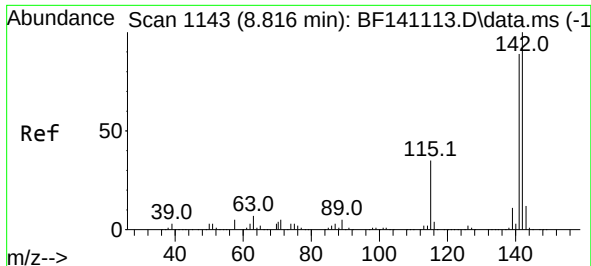
Ion Ratio Lower Upper

128 100

129 11.3 9.0 13.6

127 13.5 10.8 16.2

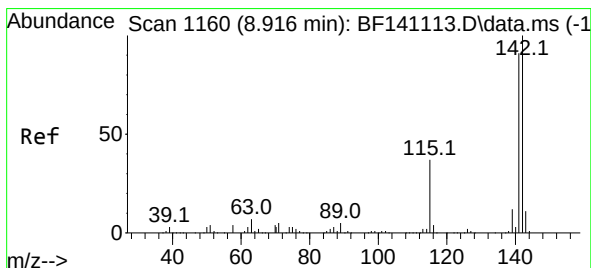
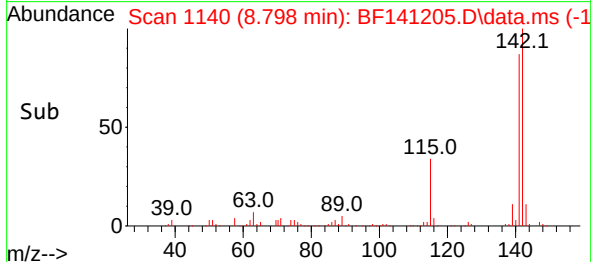
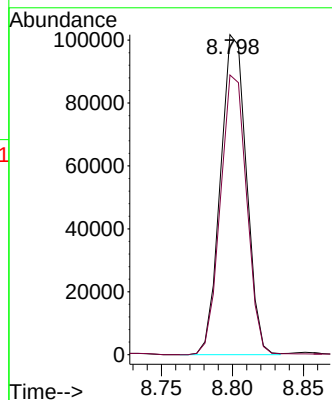
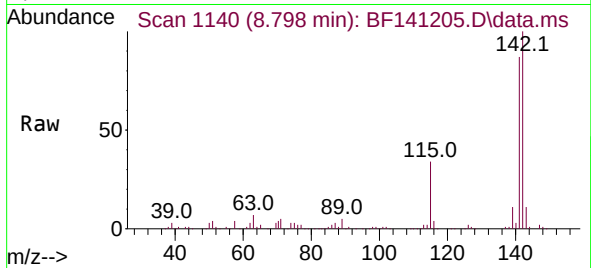




#37
2-Methylnaphthalene
Concen: 4.797 ng
RT: 8.798 min Scan# 1143
Delta R.T. -0.018 min
Lab File: BF141205.D
Acq: 17 Jan 2025 20:44

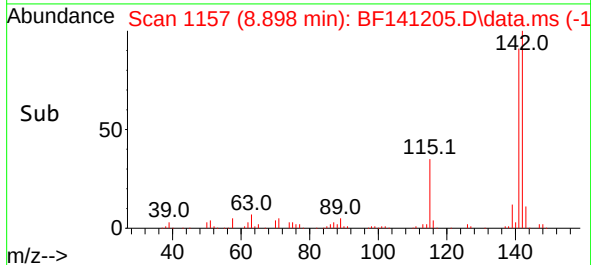
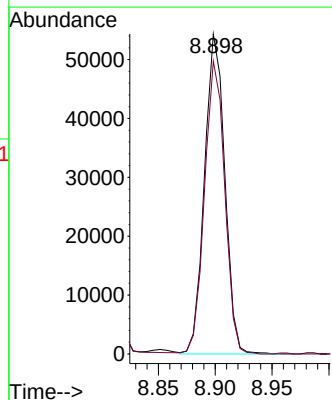
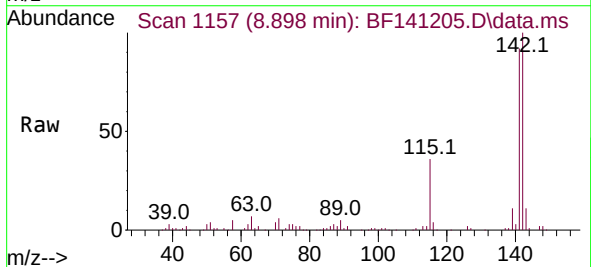
Instrument :
BNA_F
ClientSampleId :
BIN-1

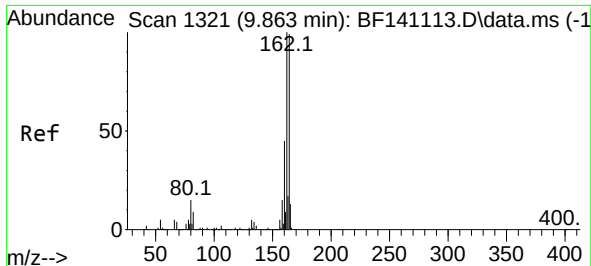
Tgt Ion:142 Resp: 129387
Ion Ratio Lower Upper
142 100
141 87.4 71.3 106.9



#38
1-Methylnaphthalene
Concen: 2.541 ng
RT: 8.898 min Scan# 1157
Delta R.T. -0.018 min
Lab File: BF141205.D
Acq: 17 Jan 2025 20:44

Tgt Ion:142 Resp: 67542
Ion Ratio Lower Upper
142 100
141 91.5 73.1 109.7

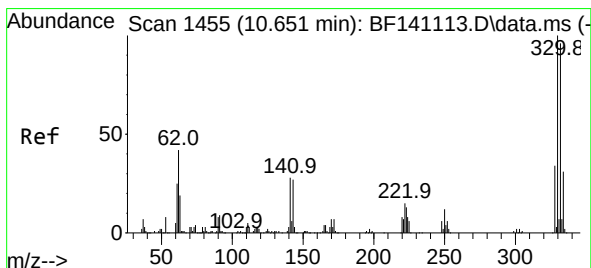
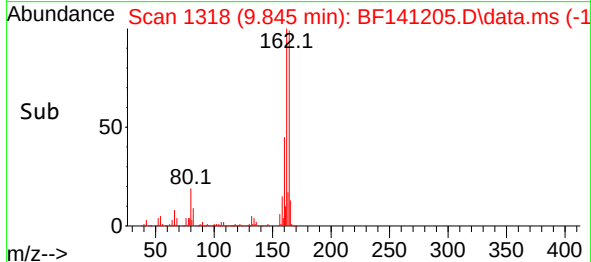
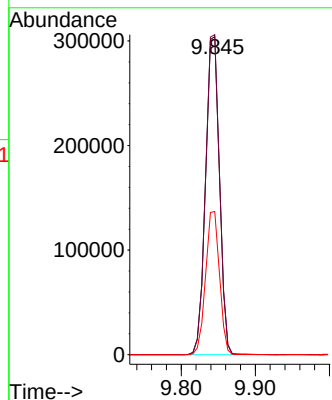
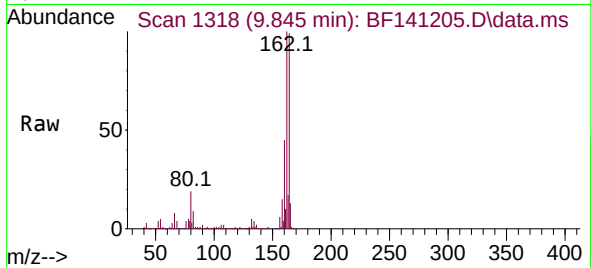




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.845 min Scan# 11
Delta R.T. -0.018 min
Lab File: BF141205.D
Acq: 17 Jan 2025 20:44

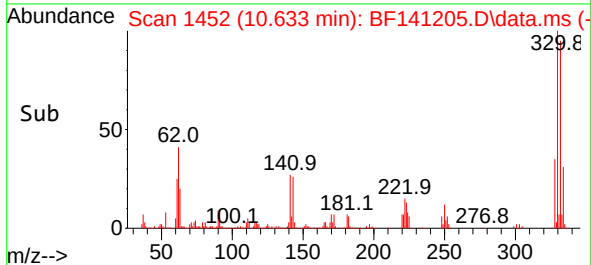
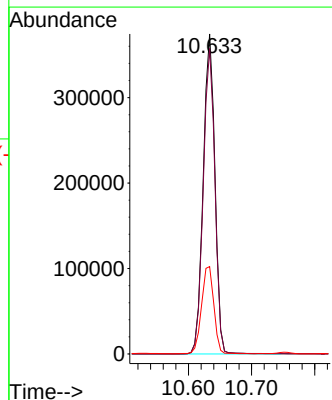
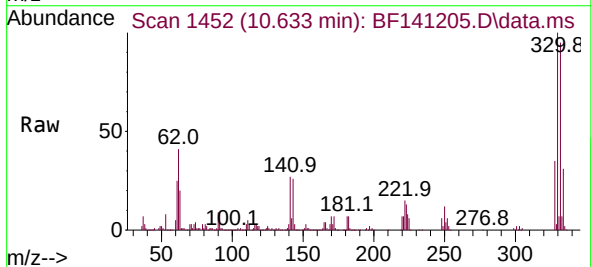
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BNA_F
ClientSampleId :
BIN-1

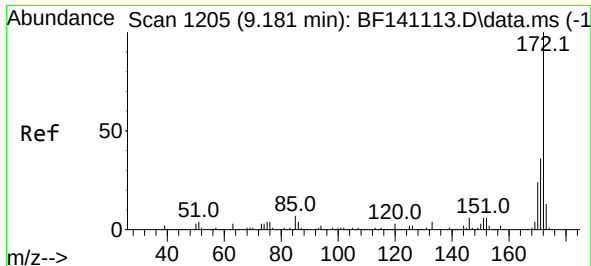
Tgt Ion:164 Resp: 397983
Ion Ratio Lower Upper
164 100
162 100.6 81.0 121.4
160 45.0 36.1 54.1



#42
2,4,6-Tribromophenol
Concen: 106.199 ng
RT: 10.633 min Scan# 1452
Delta R.T. -0.018 min
Lab File: BF141205.D
Acq: 17 Jan 2025 20:44

Tgt Ion:330 Resp: 481587
Ion Ratio Lower Upper
330 100
332 95.3 76.9 115.3
141 28.6 25.2 37.8





#45

2-Fluorobiphenyl

Concen: 76.381 ng

RT: 9.169 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF141205.D

Acq: 17 Jan 2025 20:44

Instrument :

BNA_F

ClientSampleId :

BIN-1

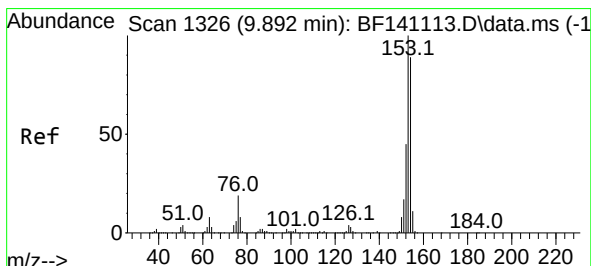
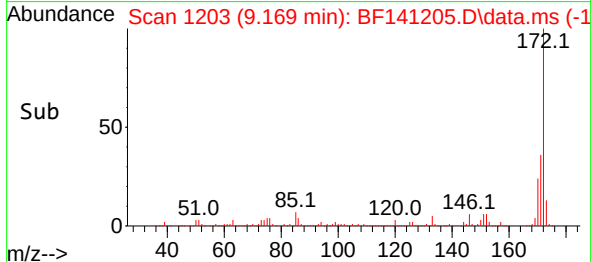
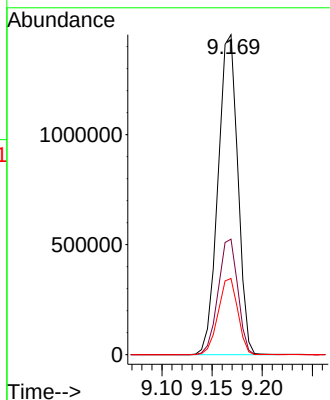
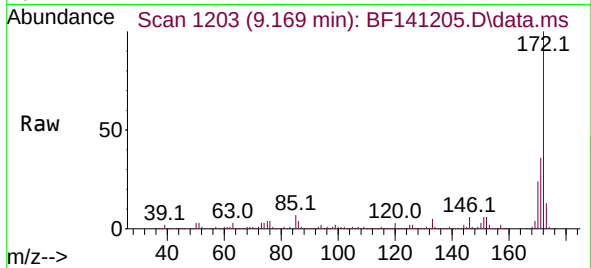
Tgt Ion:172 Resp: 1990666

Ion Ratio Lower Upper

172 100

171 36.1 28.7 43.1

170 23.8 19.0 28.6



#52

Acenaphthene

Concen: 4.650 ng

RT: 9.875 min Scan# 1323

Delta R.T. -0.018 min

Lab File: BF141205.D

Acq: 17 Jan 2025 20:44

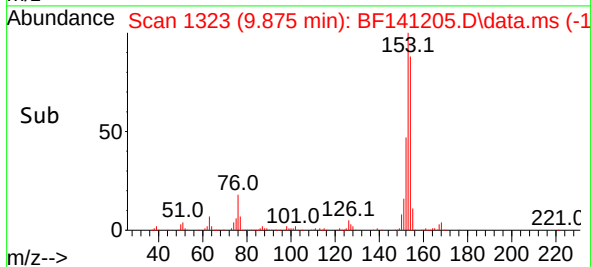
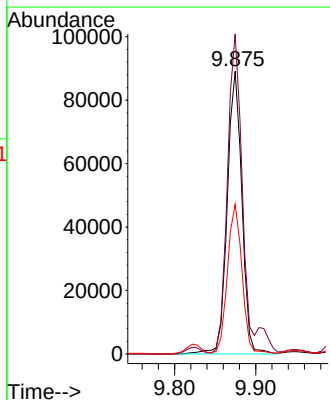
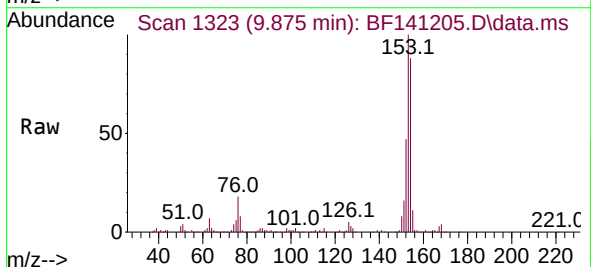
Tgt Ion:154 Resp: 111730

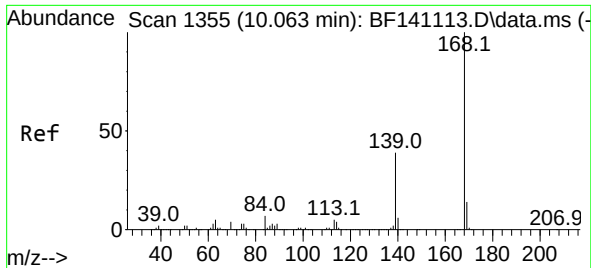
Ion Ratio Lower Upper

154 100

153 113.2 89.8 134.6

152 53.0 40.8 61.2

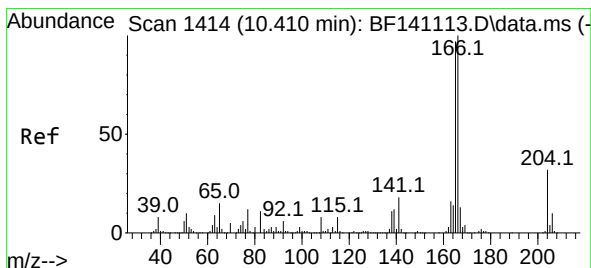
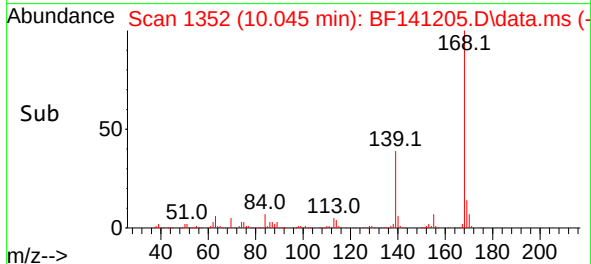
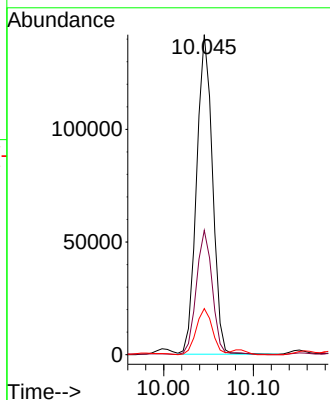
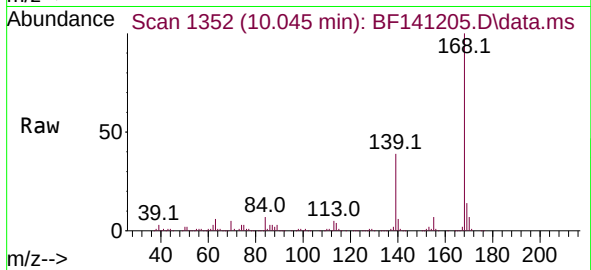




#55
Dibenzenofuran
Concen: 5.327 ng
RT: 10.045 min Scan# 11
Delta R.T. -0.018 min
Lab File: BF141205.D
Acq: 17 Jan 2025 20:44

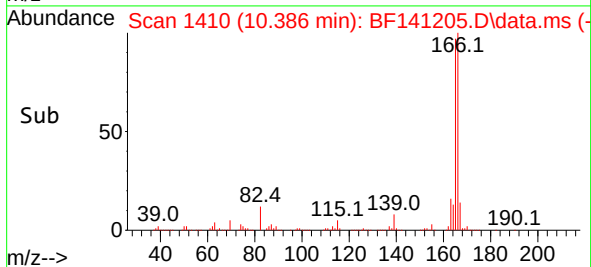
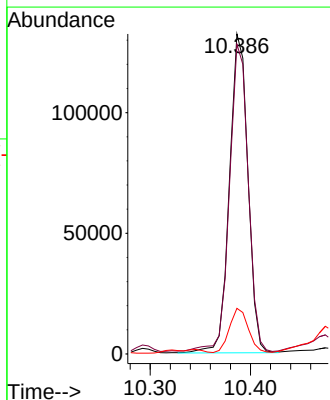
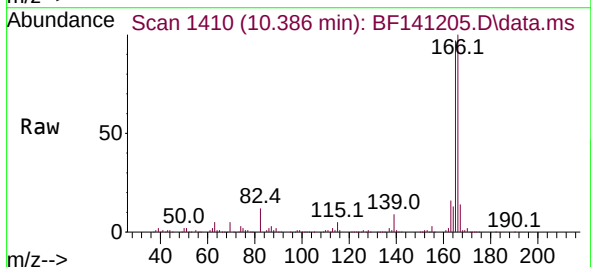
Instrument :
BNA_F
ClientSampleId :
BIN-1

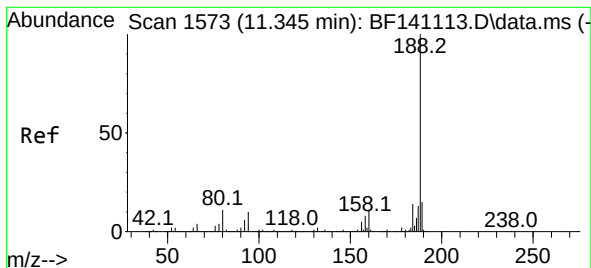
Tgt Ion:168 Resp: 174095
Ion Ratio Lower Upper
168 100
139 38.9 31.4 47.0
169 14.4 10.9 16.3



#58
Fluorene
Concen: 6.660 ng
RT: 10.386 min Scan# 1410
Delta R.T. -0.024 min
Lab File: BF141205.D
Acq: 17 Jan 2025 20:44

Tgt Ion:166 Resp: 169116
Ion Ratio Lower Upper
166 100
165 96.8 77.8 116.8
167 14.2 10.8 16.2





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.328 min Scan# 1

Delta R.T. -0.018 min

Lab File: BF141205.D

Acq: 17 Jan 2025 20:44

Instrument :

BNA_F

ClientSampleId :

BIN-1

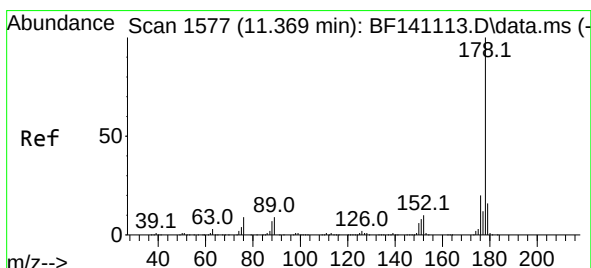
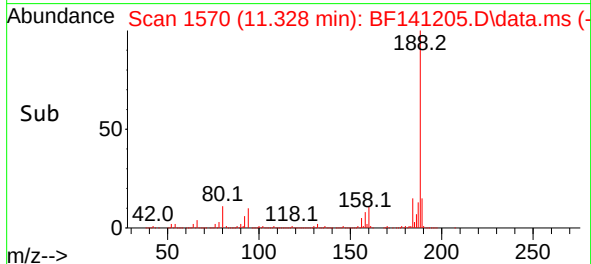
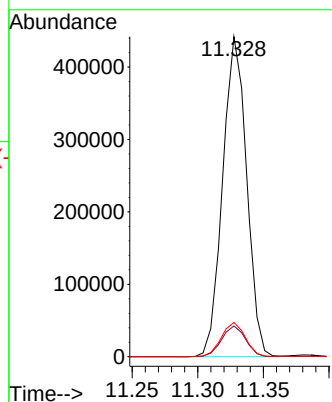
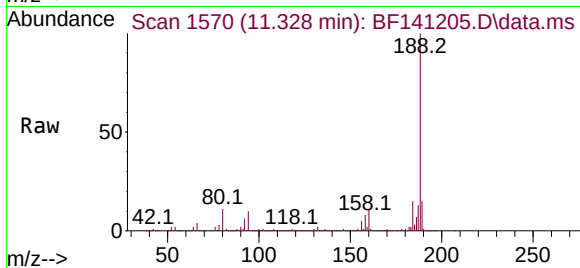
Tgt Ion:188 Resp: 560882

Ion Ratio Lower Upper

188 100

94 9.6 8.3 12.5

80 10.7 9.0 13.4



#71

Phenanthrene

Concen: 27.092 ng

RT: 11.351 min Scan# 1574

Delta R.T. -0.018 min

Lab File: BF141205.D

Acq: 17 Jan 2025 20:44

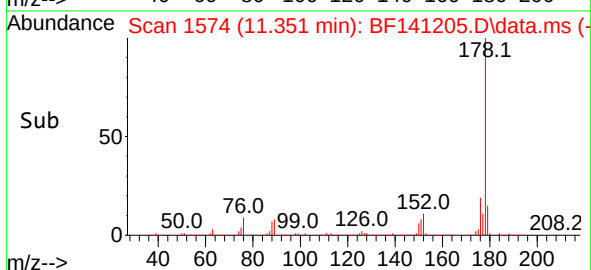
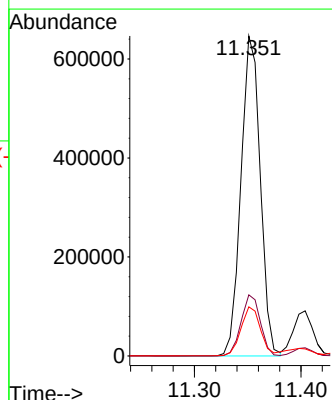
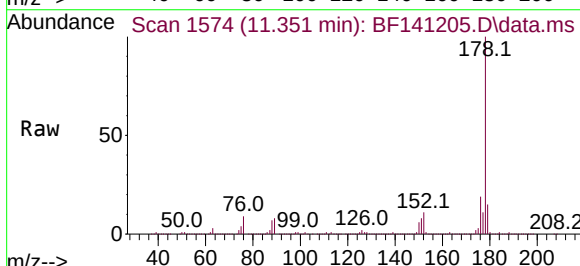
Tgt Ion:178 Resp: 815781

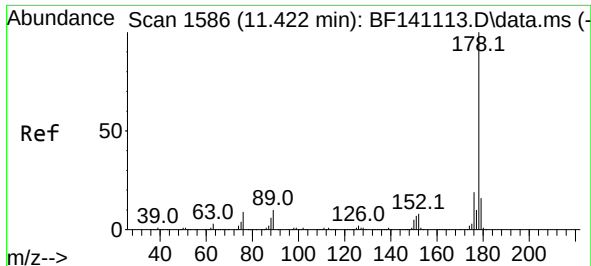
Ion Ratio Lower Upper

178 100

176 19.1 15.7 23.5

179 15.3 12.6 19.0

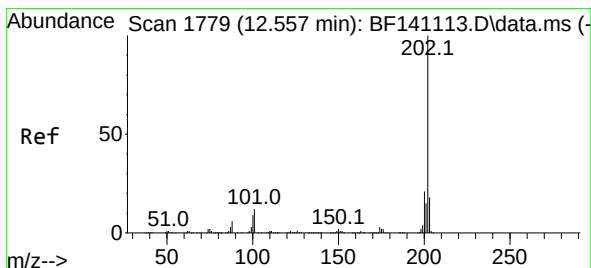
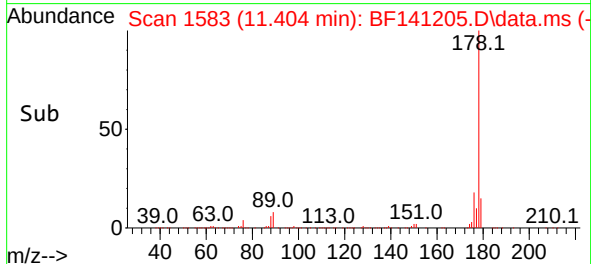
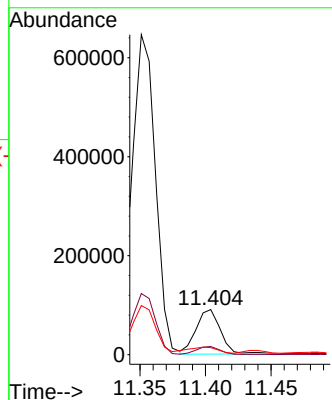
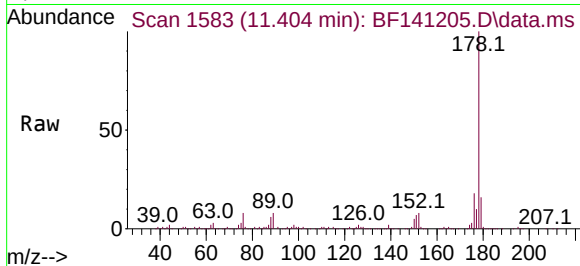




#72
Anthracene
Concen: 4.012 ng
RT: 11.404 min Scan# 117470
Delta R.T. -0.018 min
Lab File: BF141205.D
Acq: 17 Jan 2025 20:44

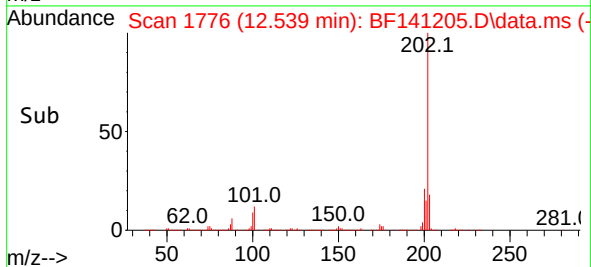
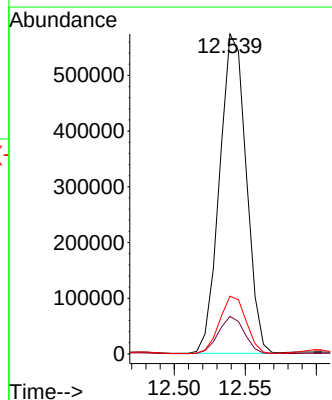
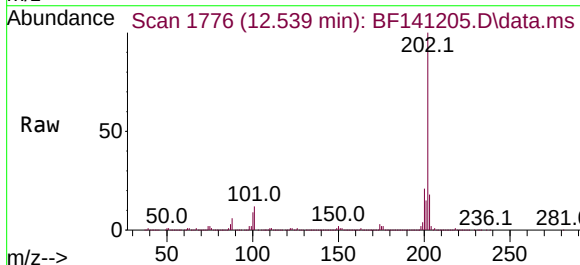
Instrument :
BNA_F
ClientSampleId :
BIN-1

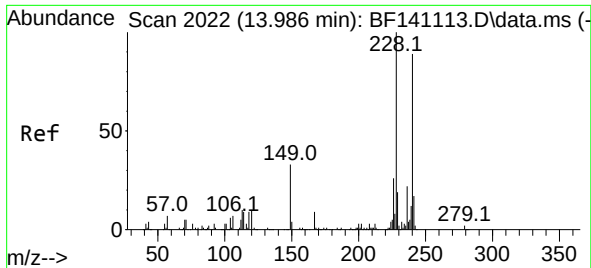
Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.1	14.9	22.3
179	15.6	12.6	19.0



#75
Fluoranthene
Concen: 24.851 ng
RT: 12.539 min Scan# 1776
Delta R.T. -0.018 min
Lab File: BF141205.D
Acq: 17 Jan 2025 20:44

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.7	0.0	32.3
203	18.0	0.0	37.7

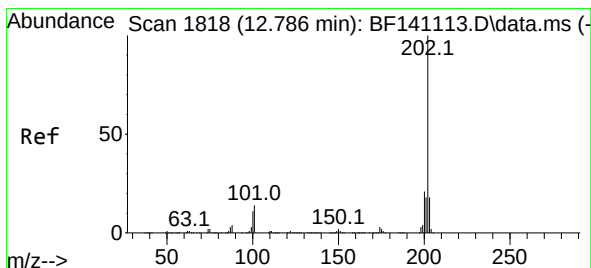
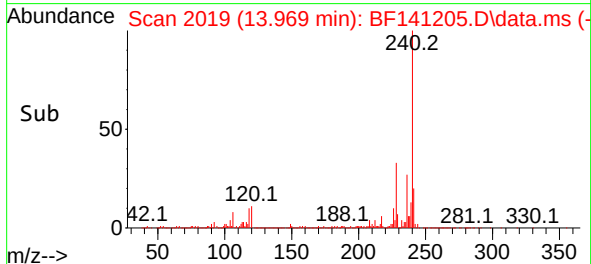
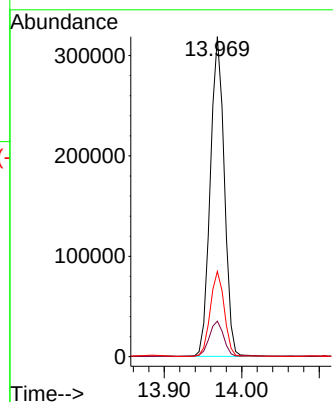
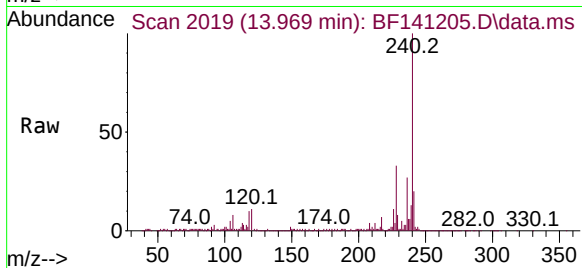




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.969 min Scan# 20
Delta R.T. -0.018 min
Lab File: BF141205.D
Acq: 17 Jan 2025 20:44

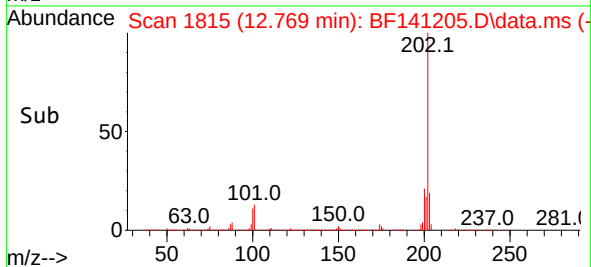
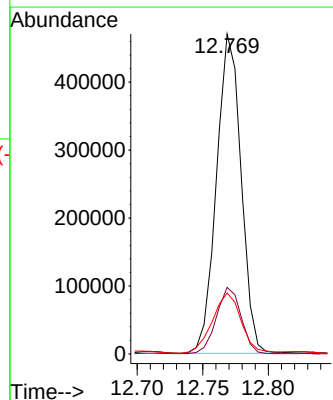
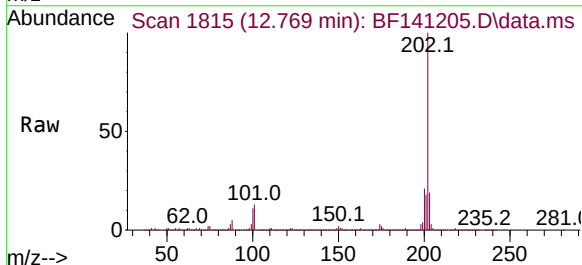
Instrument :
BNA_F
ClientSampleId :
BIN-1

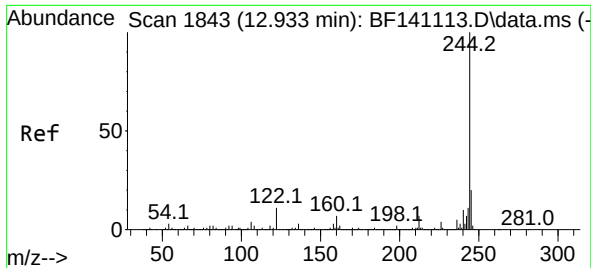
Tgt Ion:240 Resp: 400195
Ion Ratio Lower Upper
240 100
120 11.1 9.1 13.7
236 26.7 19.8 29.6



#78
Pyrene
Concen: 16.009 ng
RT: 12.769 min Scan# 1815
Delta R.T. -0.018 min
Lab File: BF141205.D
Acq: 17 Jan 2025 20:44

Tgt Ion:202 Resp: 611913
Ion Ratio Lower Upper
202 100
200 20.8 16.8 25.2
203 19.1 14.3 21.5





#79

Terphenyl-d14

Concen: 61.218 ng

RT: 12.916 min Scan# 1

Delta R.T. -0.018 min

Lab File: BF141205.D

Acq: 17 Jan 2025 20:44

Instrument :

BNA_F

ClientSampleId :

BIN-1

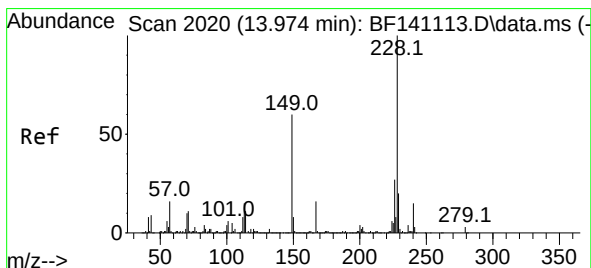
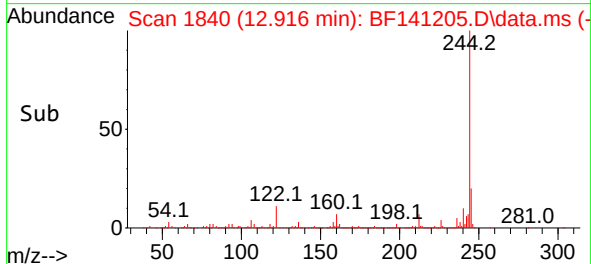
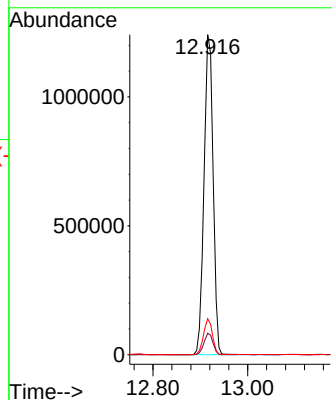
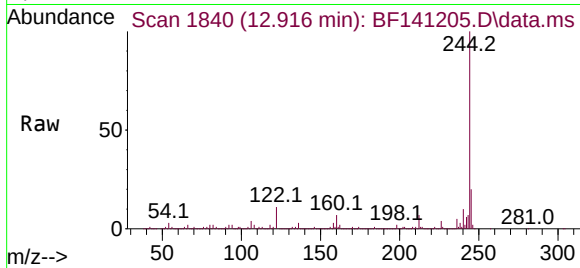
Tgt Ion:244 Resp: 1648318

Ion Ratio Lower Upper

244 100

212 6.7 5.4 8.2

122 11.3 8.8 13.2



#81

Benzo(a)anthracene

Concen: 9.481 ng

RT: 13.957 min Scan# 2017

Delta R.T. -0.018 min

Lab File: BF141205.D

Acq: 17 Jan 2025 20:44

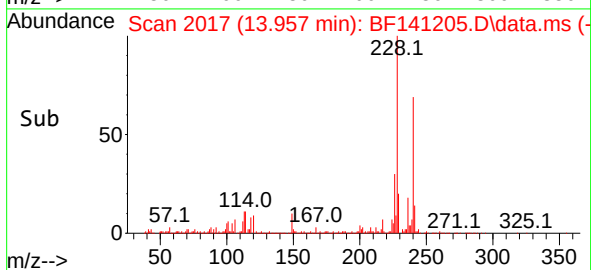
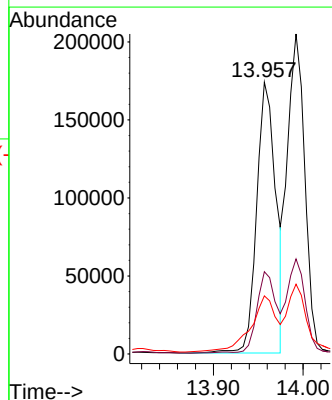
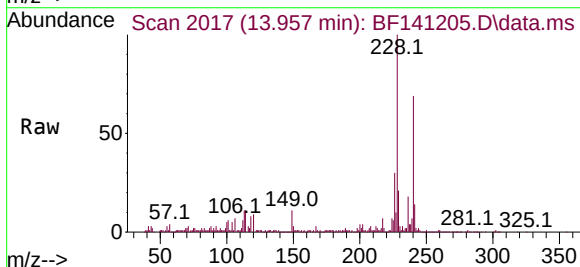
Tgt Ion:228 Resp: 258207

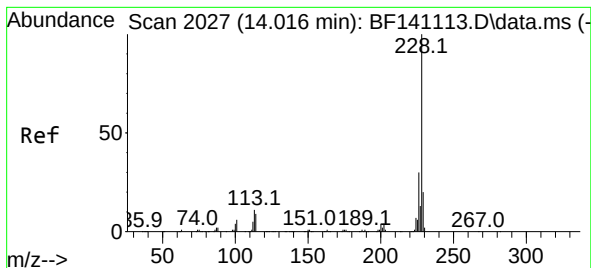
Ion Ratio Lower Upper

228 100

226 30.2 21.7 32.5

229 21.4 15.7 23.5





#83

Chrysene

Concen: 10.684 ng

RT: 13.992 min Scan# 20

Delta R.T. -0.023 min

Lab File: BF141205.D

Acq: 17 Jan 2025 20:44

Instrument :

BNA_F

ClientSampleId :

BIN-1

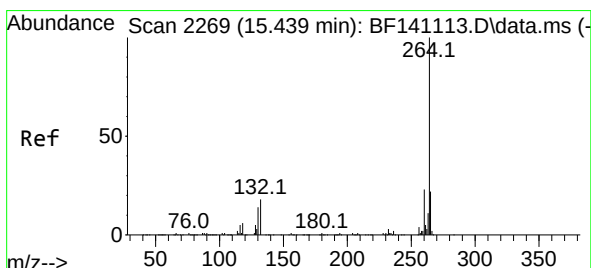
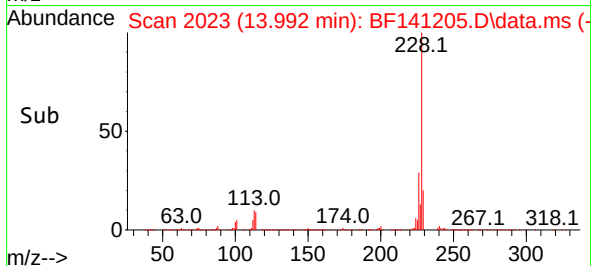
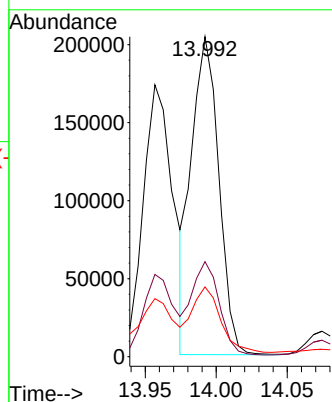
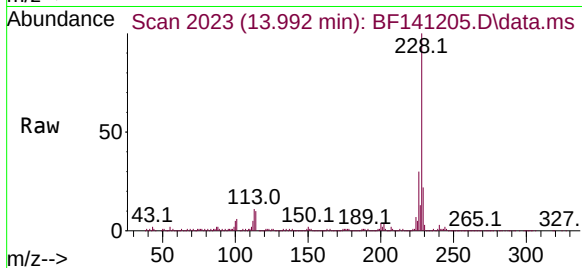
Tgt Ion:228 Resp: 272275

Ion Ratio Lower Upper

228 100

226 29.7 23.8 35.8

229 21.8 15.8 23.8



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.421 min Scan# 2266

Delta R.T. -0.018 min

Lab File: BF141205.D

Acq: 17 Jan 2025 20:44

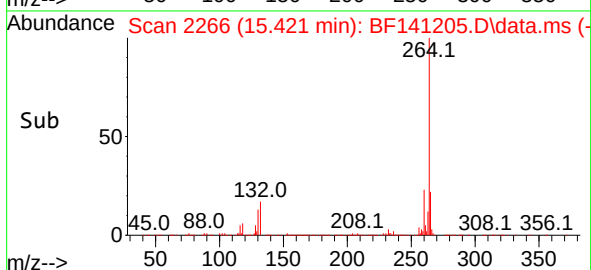
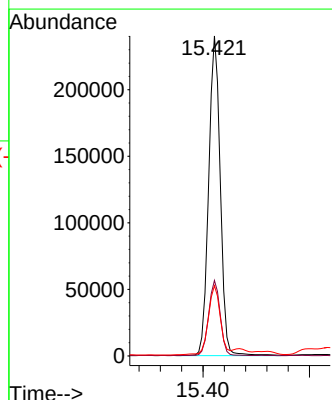
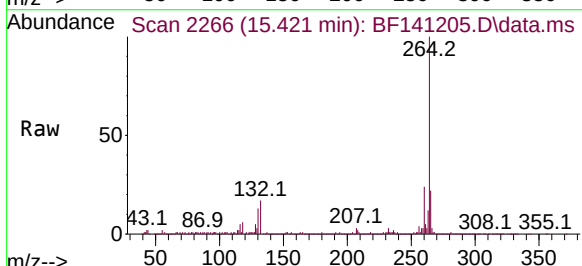
Tgt Ion:264 Resp: 361883

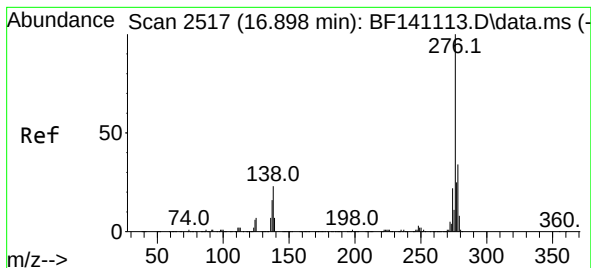
Ion Ratio Lower Upper

264 100

260 23.6 18.6 28.0

265 21.9 17.4 26.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.827 ng

RT: 16.857 min Scan# 2195

Delta R.T. -0.041 min

Lab File: BF141205.D

Acq: 17 Jan 2025 20:44

Instrument :

BNA_F

ClientSampleId :

BIN-1

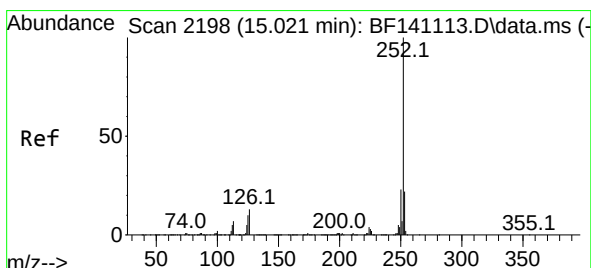
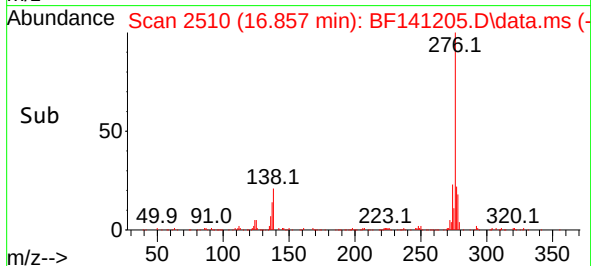
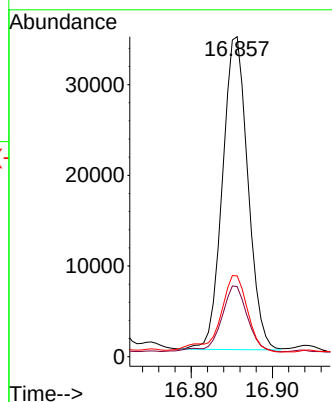
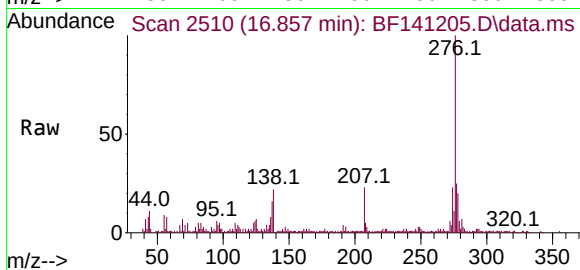
Tgt Ion:276 Resp: 74943

Ion Ratio Lower Upper

276 100

138 21.7 20.7 31.1

277 27.0 20.6 30.8



#88

Benzo(b)fluoranthene

Concen: 12.621 ng m

RT: 15.004 min Scan# 2195

Delta R.T. -0.018 min

Lab File: BF141205.D

Acq: 17 Jan 2025 20:44

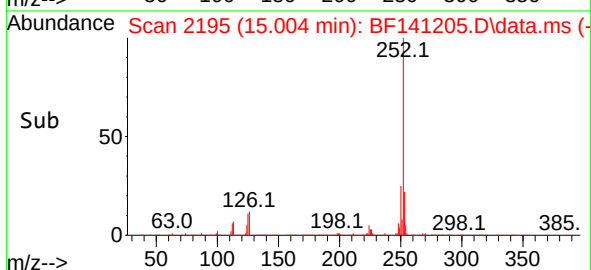
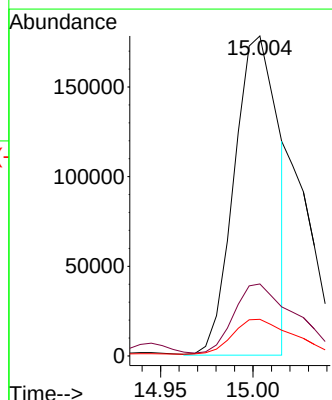
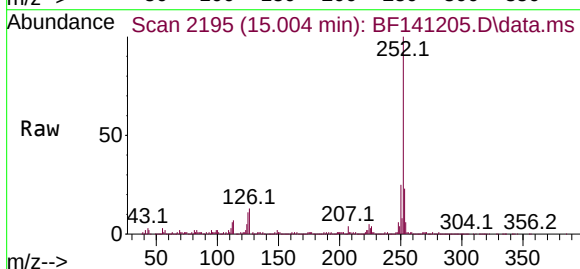
Tgt Ion:252 Resp: 294511

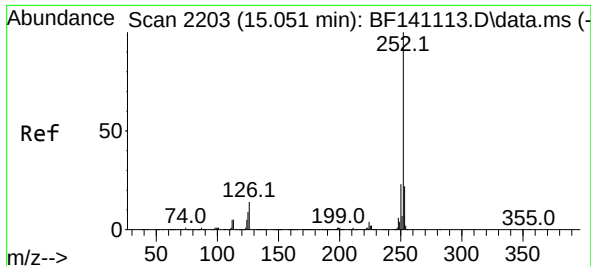
Ion Ratio Lower Upper

252 100

253 22.5 17.8 26.6

125 11.5 8.1 12.1





#89

Benzo(k)fluoranthene

Concen: 5.451 ng m

RT: 15.016 min Scan# 2197

Delta R.T. -0.035 min

Lab File: BF141205.D

Acq: 17 Jan 2025 20:44

Instrument :

BNA_F

ClientSampleId :

BIN-1

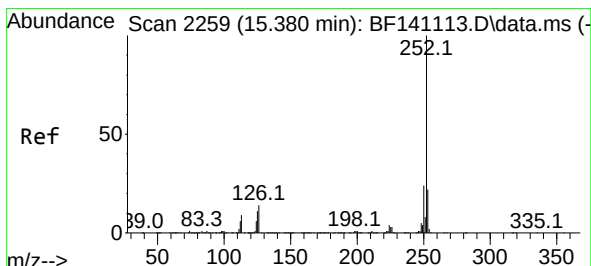
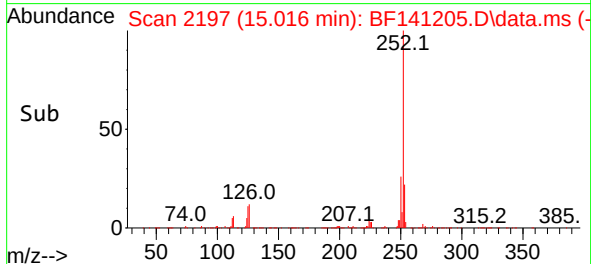
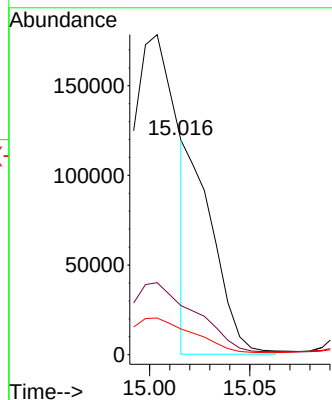
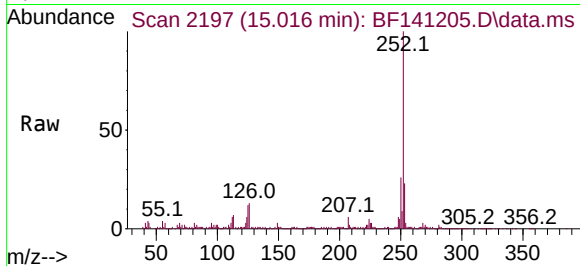
Tgt Ion:252 Resp: 107488

Ion Ratio Lower Upper

252 100

253 22.9 17.8 26.8

125 12.0 7.9 11.9#



#90

Benzo(a)pyrene

Concen: 8.147 ng

RT: 15.357 min Scan# 2255

Delta R.T. -0.023 min

Lab File: BF141205.D

Acq: 17 Jan 2025 20:44

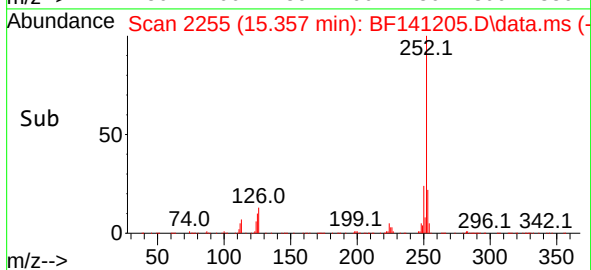
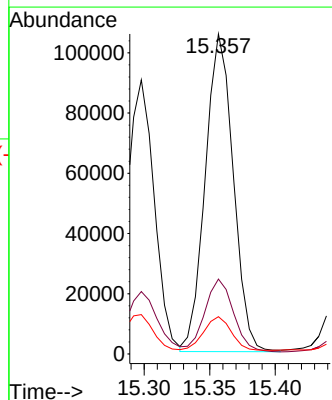
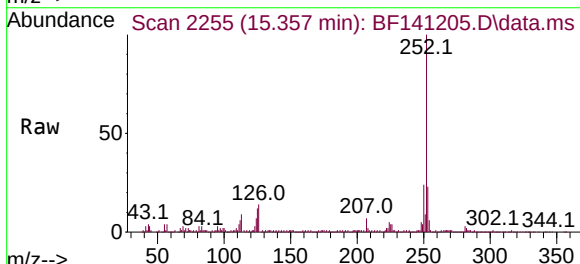
Tgt Ion:252 Resp: 156859

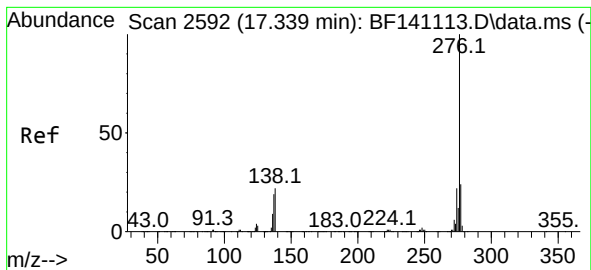
Ion Ratio Lower Upper

252 100

253 23.4 17.7 26.5

125 11.6 9.1 13.7





#92

Benzo(g,h,i)perylene

Concen: 3.023 ng

RT: 17.286 min Scan# 2

Delta R.T. -0.053 min

Lab File: BF141205.D

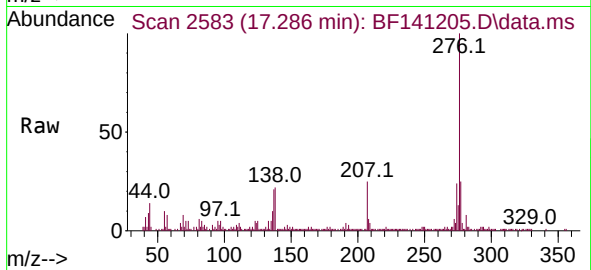
Acq: 17 Jan 2025 20:44

Instrument :

BNA_F

ClientSampleId :

BIN-1



Tgt Ion:276 Resp: 67428

Ion Ratio Lower Upper

276 100

277 24.5 19.0 28.4

138 21.7 17.4 26.2

