

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012125\
 Data File : BF141231.D
 Acq On : 21 Jan 2025 13:09
 Operator : RC/JU
 Sample : Q1123-01
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 BU-03-1172025

Quant Time: Jan 21 13:37:55 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)

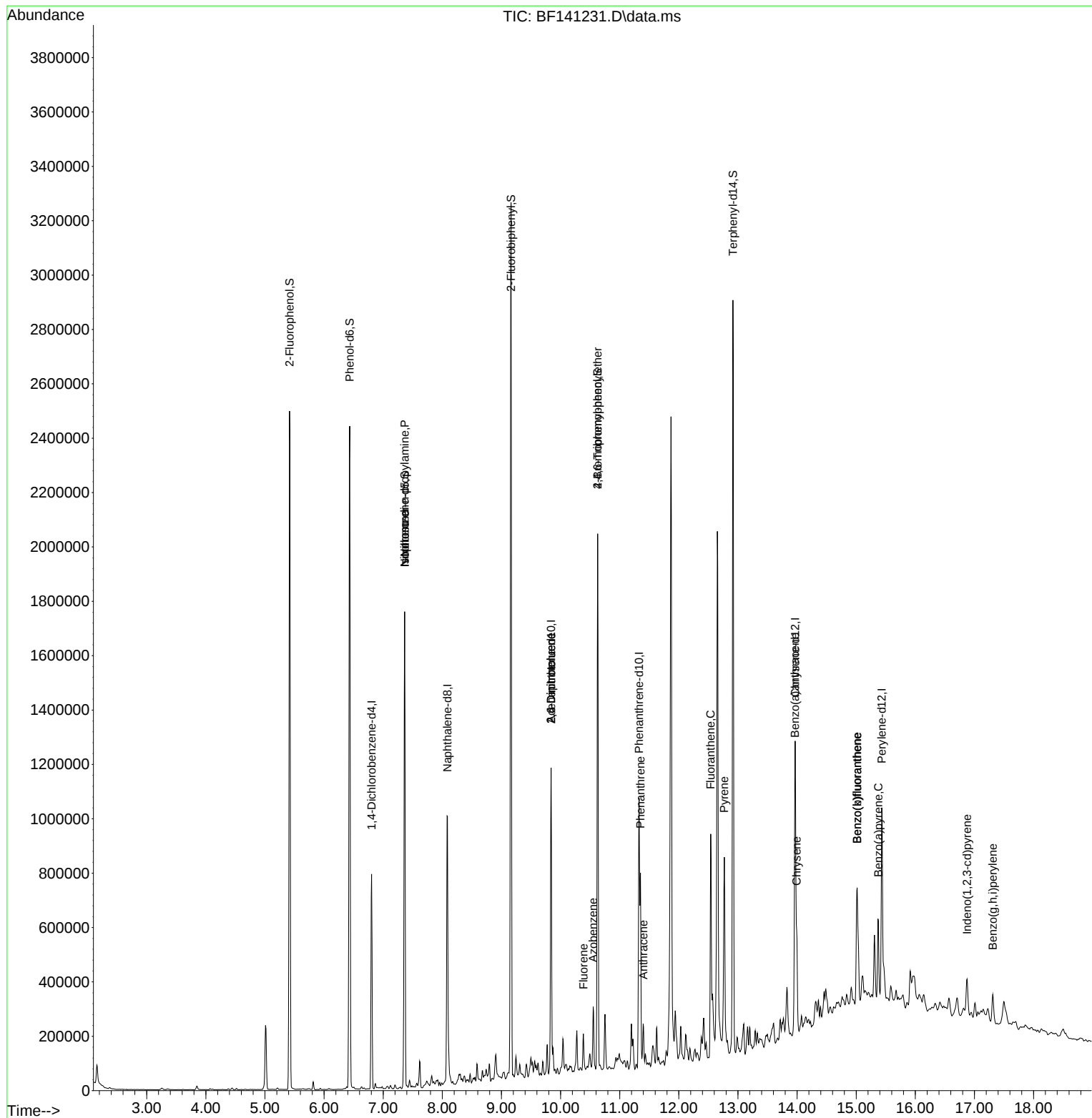
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.804	152	164727	20.000	ng	-0.02
21) Naphthalene-d8	8.086	136	632881	20.000	ng	-0.02
39) Acenaphthene-d10	9.839	164	329701	20.000	ng	-0.02
64) Phenanthrene-d10	11.327	188	496523	20.000	ng	-0.02
76) Chrysene-d12	13.968	240	385189	20.000	ng	-0.02
86) Perylene-d12	15.433	264	418572	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.416	112	986997	92.560	ng	-0.01
7) Phenol-d6	6.434	99	1234594	91.402	ng	-0.01
23) Nitrobenzene-d5	7.363	82	795571	66.635	ng	-0.02
42) 2,4,6-Tribromophenol	10.627	330	351490	93.563	ng	-0.02
45) 2-Fluorobiphenyl	9.163	172	1458550	67.554	ng	-0.02
79) Terphenyl-d14	12.915	244	1364807	52.663	ng	-0.02
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.363	70	107905	13.562	ng	# 76
25) Isophorone	7.363	82	790393	38.738	ng	# 65
51) 2,6-Dinitrotoluene	9.839	165	43306	8.414	ng	# 27
57) 2,4-Dinitrotoluene	9.839	165	43306	6.529	ng	# 25
58) Fluorene	10.386	166	53490	2.543	ng	99
63) Azobenzene	10.551	77	54908	2.575	ng	# 1
67) 4-Bromophenyl-phenylether	10.627	248	21285	3.723	ng	# 1
71) Phenanthrene	11.351	178	374617	14.053	ng	99
72) Anthracene	11.398	178	89990	3.472	ng	98
75) Fluoranthene	12.539	202	435199	16.360	ng	99
78) Pyrene	12.768	202	394849	10.732	ng	99
81) Benzo(a)anthracene	13.962	228	232865	8.883	ng	96
83) Chrysene	13.992	228	178351	7.271	ng	97
87) Indeno(1,2,3-cd)pyrene	16.874	276	103629	3.379	ng	97
88) Benzo(b)fluoranthene	15.015	252	376171	13.937	ng	98
89) Benzo(k)fluoranthene	15.015	252	376171	16.492	ng	97
90) Benzo(a)pyrene	15.374	252	190047	8.534	ng	100
92) Benzo(g,h,i)perylene	17.309	276	97199	3.768	ng	98

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

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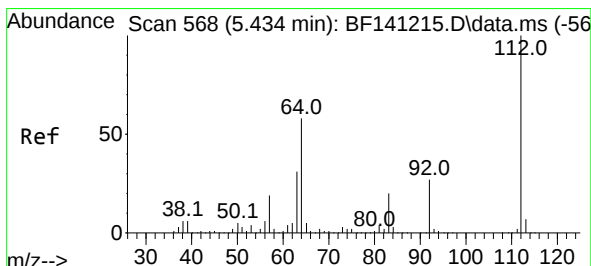
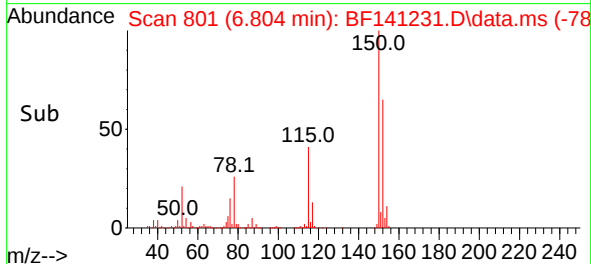
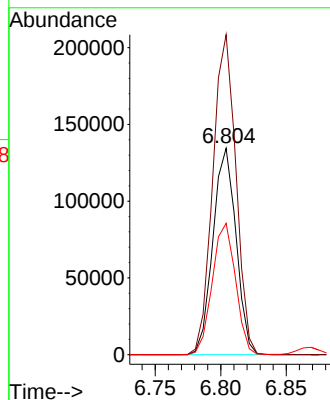
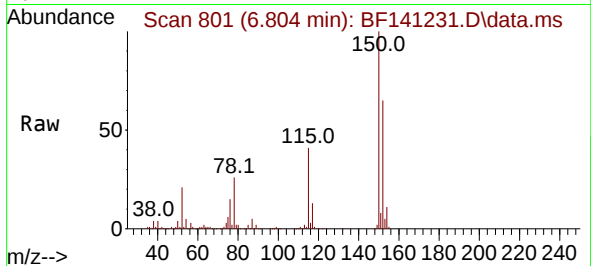




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.804 min Scan# 801
Delta R.T. -0.018 min
Lab File: BF141231.D
Acq: 21 Jan 2025 13:09

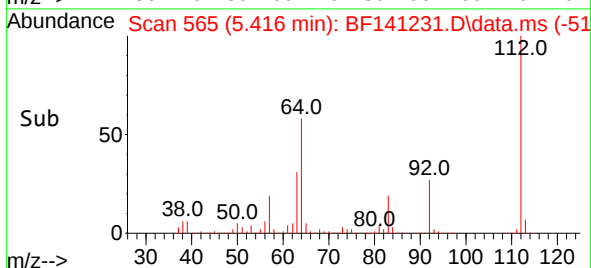
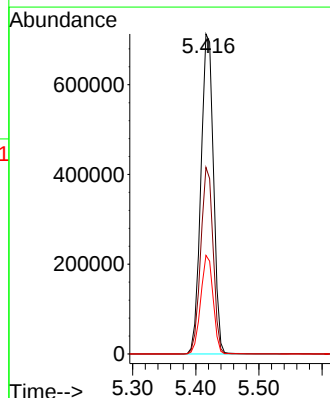
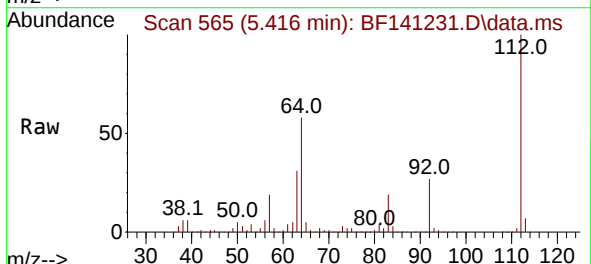
Instrument :
BNA_F
ClientSampleId :
BU-03-1172025

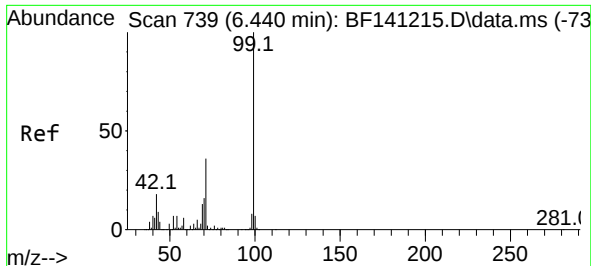
Tgt Ion:152 Resp: 164727
Ion Ratio Lower Upper
152 100
150 155.0 125.8 188.8
115 63.7 51.4 77.2



#5
2-Fluorophenol
Concen: 92.560 ng
RT: 5.416 min Scan# 565
Delta R.T. -0.012 min
Lab File: BF141231.D
Acq: 21 Jan 2025 13:09

Tgt Ion:112 Resp: 986997
Ion Ratio Lower Upper
112 100
64 58.3 47.3 70.9
63 30.8 24.2 36.2





#7
Phenol-d6
Concen: 91.402 ng
RT: 6.434 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF141231.D
Acq: 21 Jan 2025 13:09

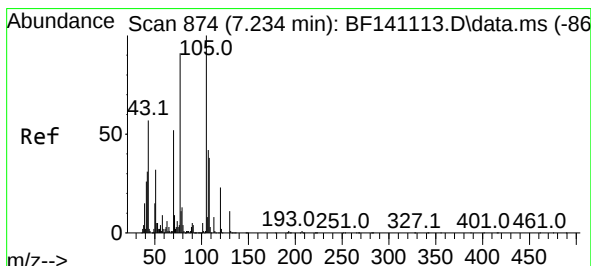
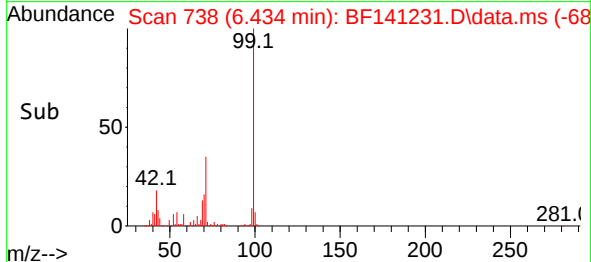
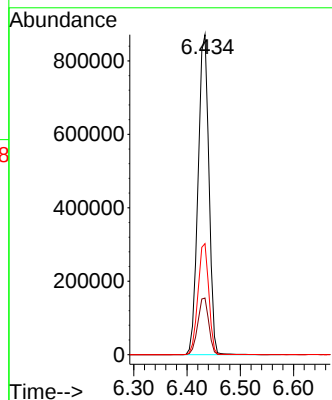
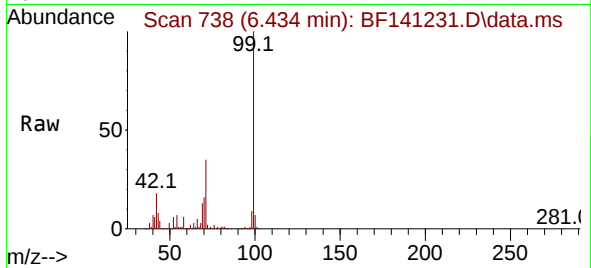
Instrument :

BNA_F

ClientSampleId :

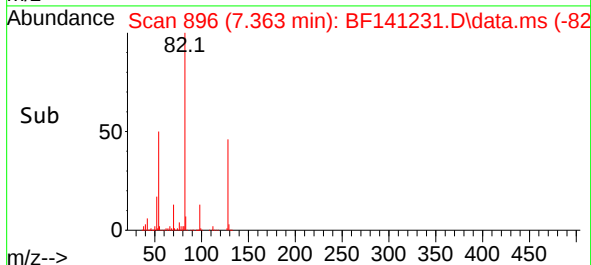
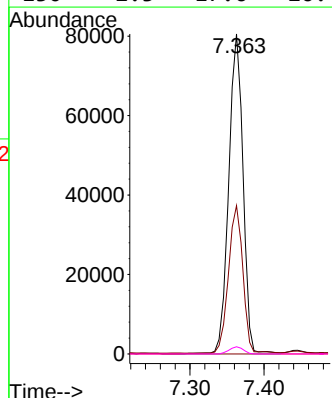
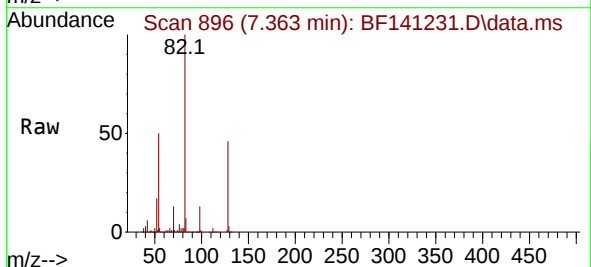
BU-03-1172025

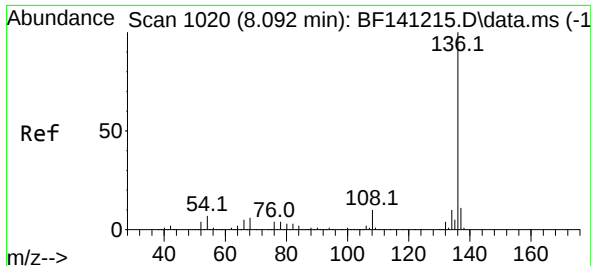
Tgt Ion: 99 Resp: 1234594
Ion Ratio Lower Upper
99 100
42 17.7 15.0 22.4
71 34.7 27.6 41.4



#19
n-Nitroso-di-n-propylamine
Concen: 13.562 ng
RT: 7.363 min Scan# 896
Delta R.T. 0.129 min
Lab File: BF141231.D
Acq: 21 Jan 2025 13:09

Tgt Ion: 70 Resp: 107905
Ion Ratio Lower Upper
70 100
42 46.4 47.8 71.6#
101 0.0 7.9 11.9#
130 2.3 17.6 26.4#



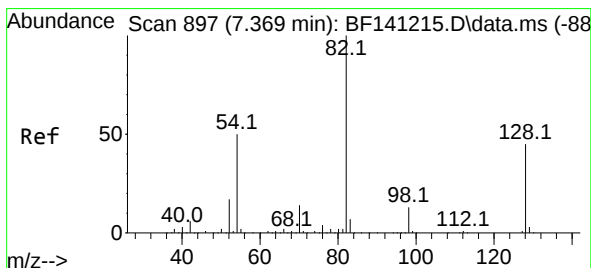
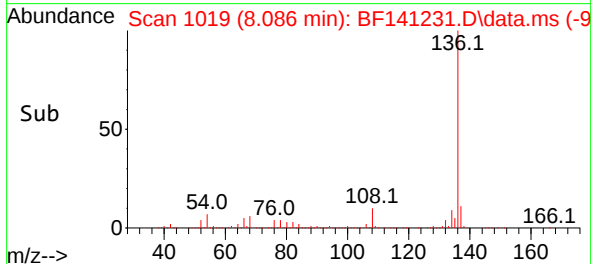
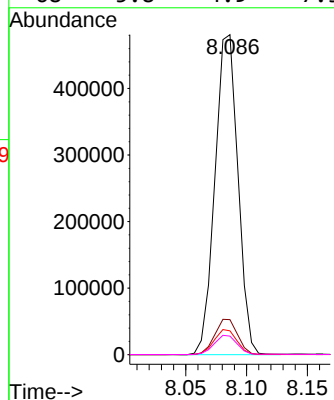
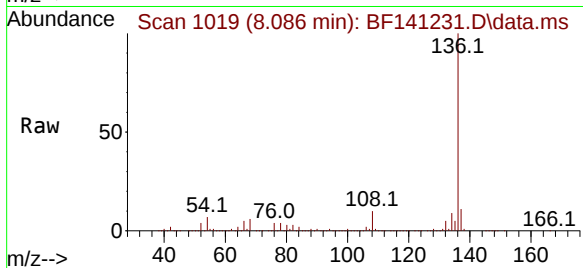


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.086 min Scan# 1019
Delta R.T. -0.018 min
Lab File: BF141231.D
Acq: 21 Jan 2025 13:09

Instrument :
BNA_F
ClientSampleId :
BU-03-1172025

Tgt Ion:136 Resp: 632881

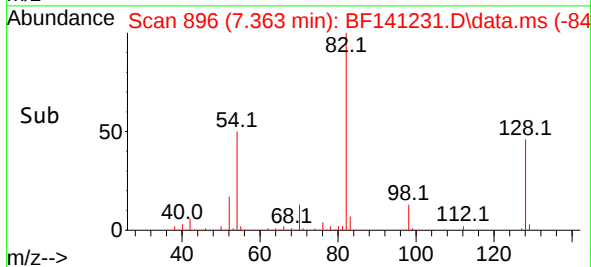
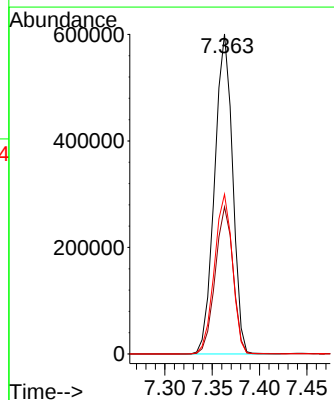
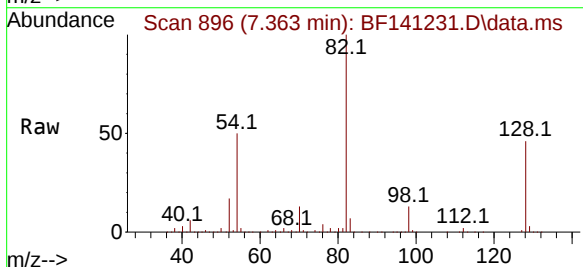
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.8	13.2
54	7.4	6.3	9.5
68	5.8	4.9	7.3

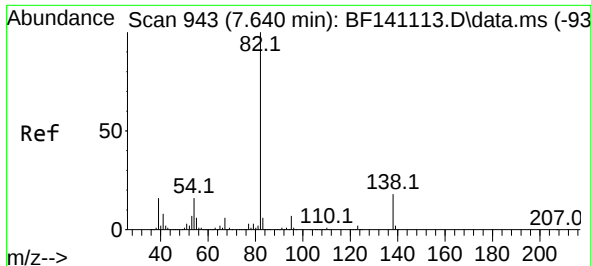


#23
Nitrobenzene-d5
Concen: 66.635 ng
RT: 7.363 min Scan# 896
Delta R.T. -0.024 min
Lab File: BF141231.D
Acq: 21 Jan 2025 13:09

Tgt Ion: 82 Resp: 795571

Ion	Ratio	Lower	Upper
82	100		
128	45.9	36.1	54.1
54	49.9	41.0	61.4

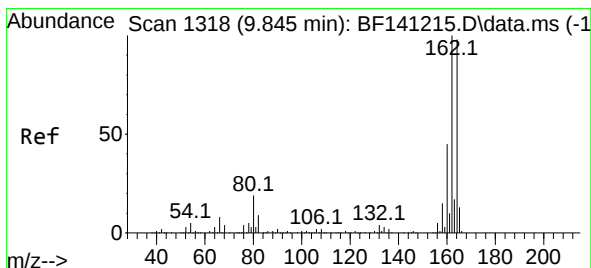
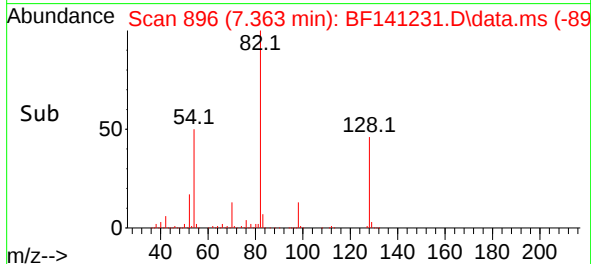
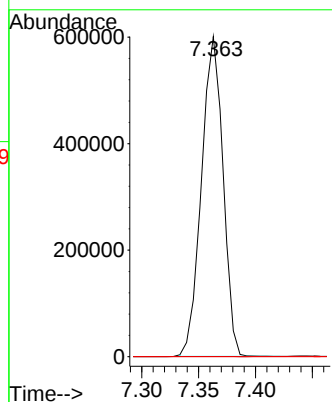
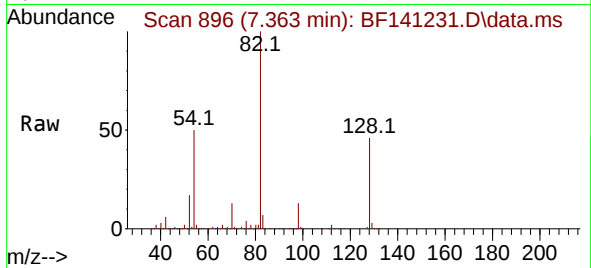




#25
Isophorone
Concen: 38.738 ng
RT: 7.363 min Scan# 896
Delta R.T. -0.277 min
Lab File: BF141231.D
Acq: 21 Jan 2025 13:09

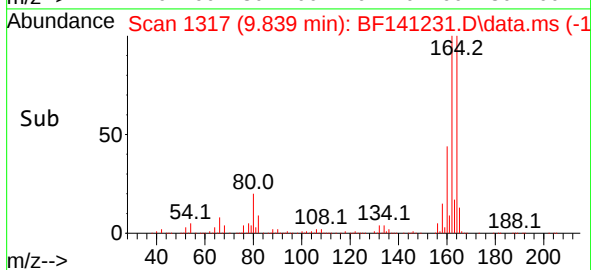
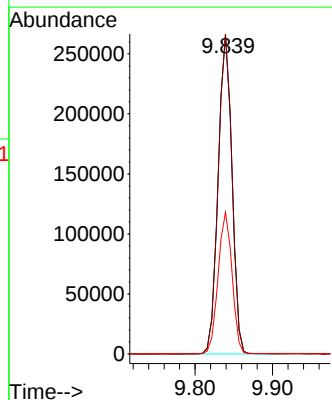
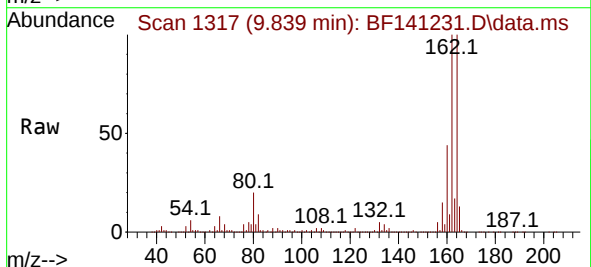
Instrument :
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ClientSampleId :
BU-03-1172025

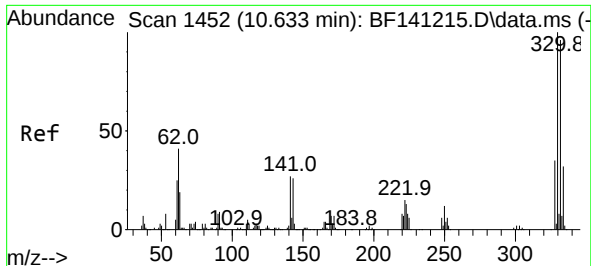
Tgt Ion: 82 Resp: 790393
Ion Ratio Lower Upper
82 100
95 0.1 5.9 8.9#
138 0.0 14.2 21.2#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.839 min Scan# 1317
Delta R.T. -0.024 min
Lab File: BF141231.D
Acq: 21 Jan 2025 13:09

Tgt Ion:164 Resp: 329701
Ion Ratio Lower Upper
164 100
162 100.1 81.0 121.4
160 44.3 36.1 54.1





#42

2,4,6-Tribromophenol

Concen: 93.563 ng

RT: 10.627 min Scan# 1451

Delta R.T. -0.024 min

Lab File: BF141231.D

Acq: 21 Jan 2025 13:09

Instrument :

BNA_F

ClientSampleId :

BU-03-1172025

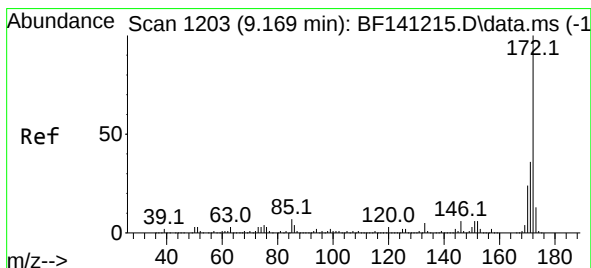
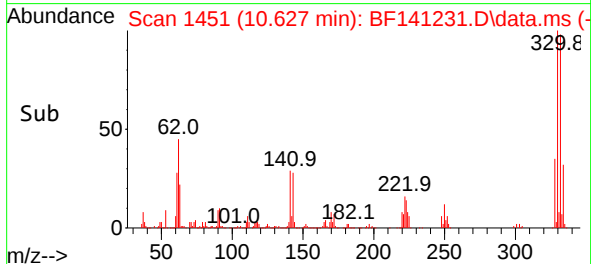
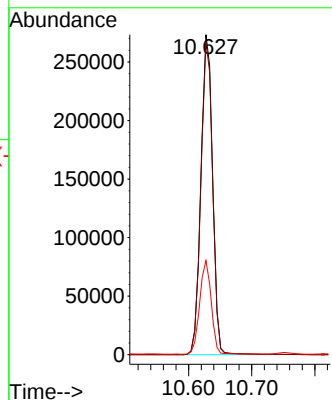
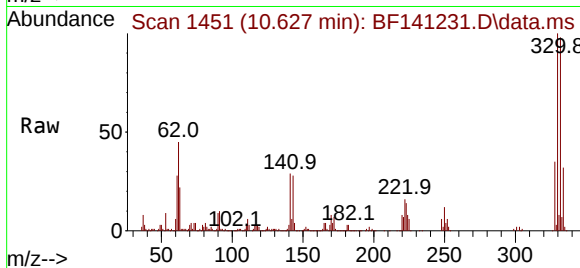
Tgt Ion:330 Resp: 351490

Ion Ratio Lower Upper

330 100

332 97.6 76.9 115.3

141 28.9 25.2 37.8



#45

2-Fluorobiphenyl

Concen: 67.554 ng

RT: 9.163 min Scan# 1202

Delta R.T. -0.018 min

Lab File: BF141231.D

Acq: 21 Jan 2025 13:09

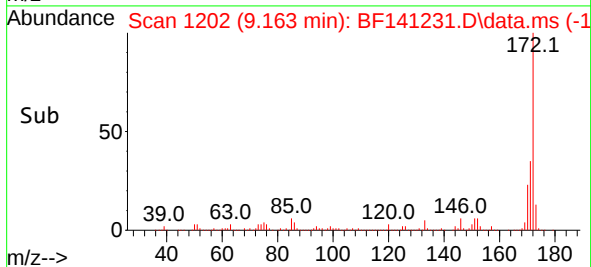
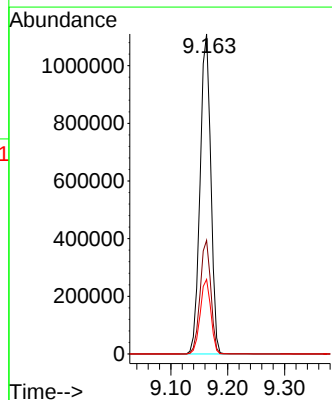
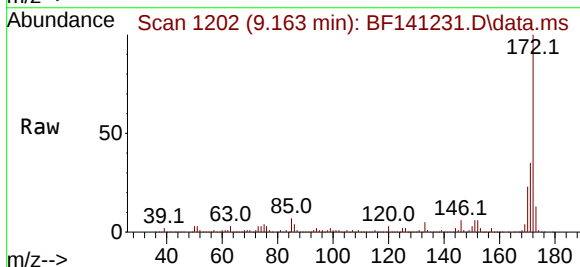
Tgt Ion:172 Resp: 1458550

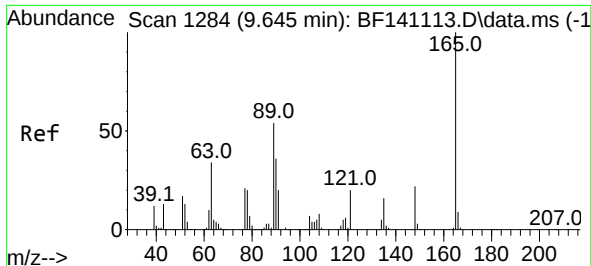
Ion Ratio Lower Upper

172 100

171 35.5 28.7 43.1

170 23.3 19.0 28.6

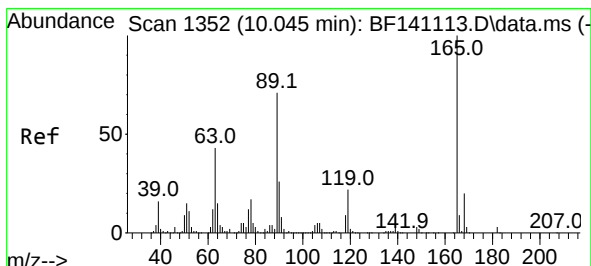
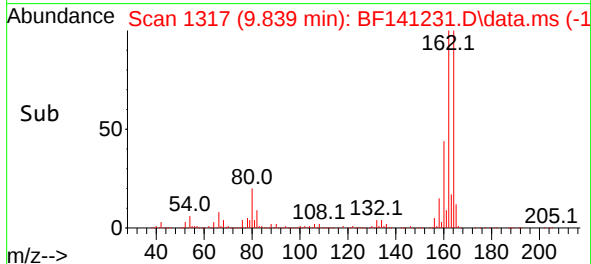
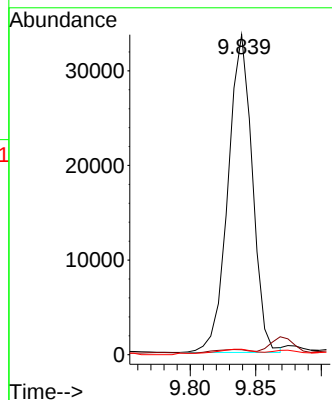
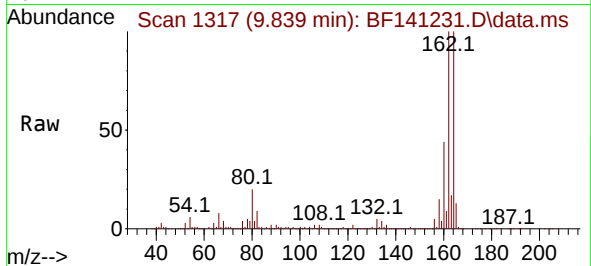




#51
2,6-Dinitrotoluene
Concen: 8.414 ng
RT: 9.839 min Scan# 11
Delta R.T. 0.194 min
Lab File: BF141231.D
Acq: 21 Jan 2025 13:09

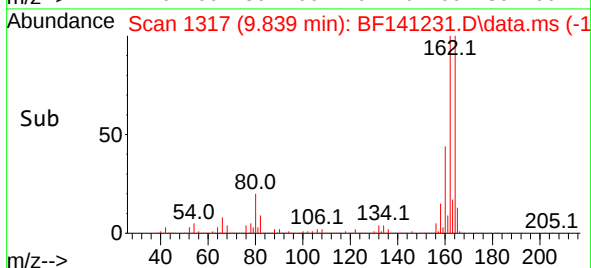
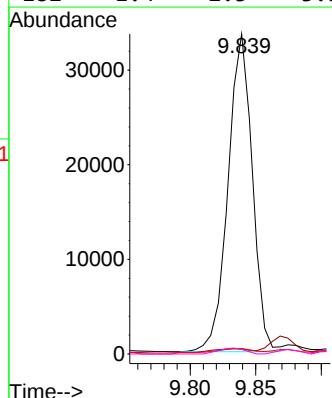
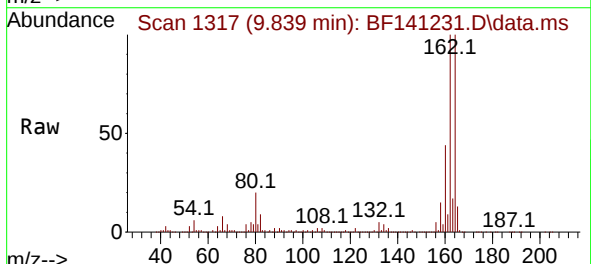
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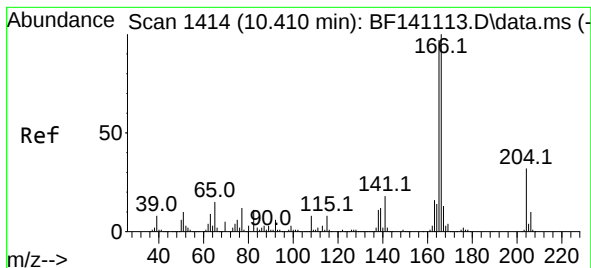
Tgt Ion:165 Resp: 43306
Ion Ratio Lower Upper
165 100
63 1.5 42.3 63.5#
89 1.7 43.1 64.7#



#57
2,4-Dinitrotoluene
Concen: 6.529 ng
RT: 9.839 min Scan# 1317
Delta R.T. -0.206 min
Lab File: BF141231.D
Acq: 21 Jan 2025 13:09

Tgt Ion:165 Resp: 43306
Ion Ratio Lower Upper
165 100
63 1.5 35.0 52.4#
89 1.7 56.7 85.1#
182 1.4 2.3 3.5#





#58

Fluorene

Concen: 2.543 ng

RT: 10.386 min Scan# 1410

Delta R.T. -0.024 min

Lab File: BF141231.D

Acq: 21 Jan 2025 13:09

Instrument :

BNA_F

ClientSampleId :

BU-03-1172025

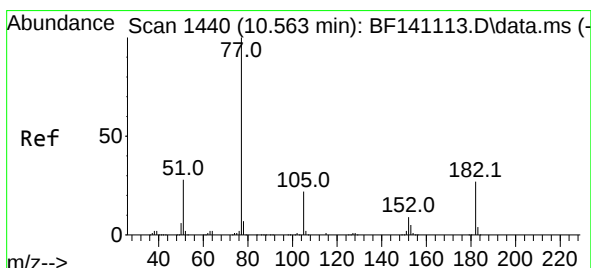
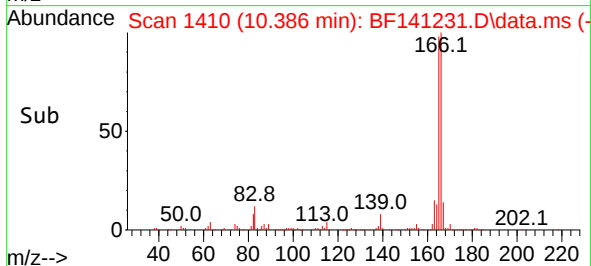
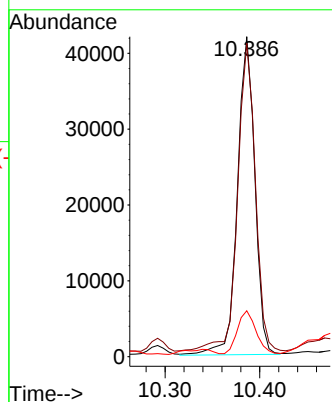
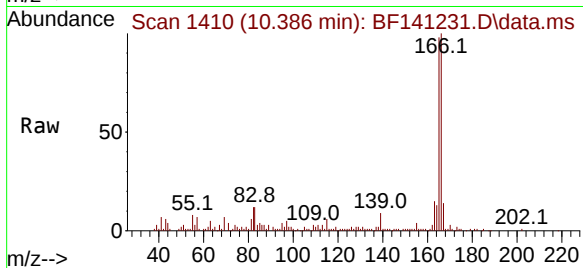
Tgt Ion:166 Resp: 53490

Ion Ratio Lower Upper

166 100

165 97.9 77.8 116.8

167 14.4 10.8 16.2



#63

Azobenzene

Concen: 2.575 ng

RT: 10.551 min Scan# 1438

Delta R.T. -0.012 min

Lab File: BF141231.D

Acq: 21 Jan 2025 13:09

Tgt Ion: 77 Resp: 54908

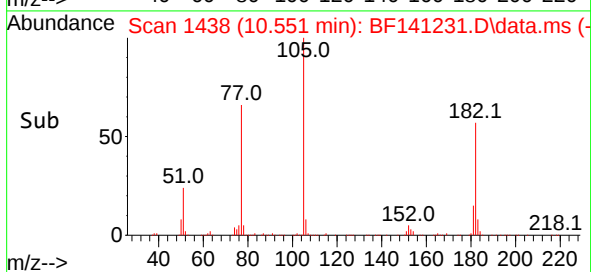
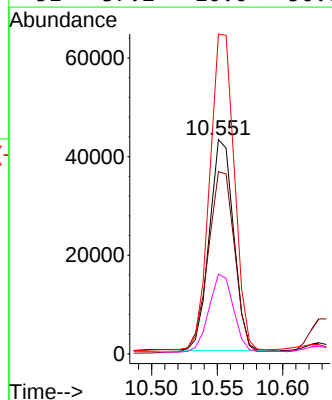
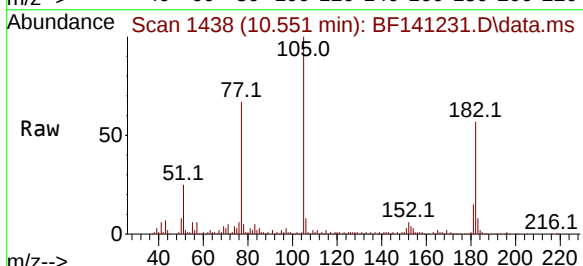
Ion Ratio Lower Upper

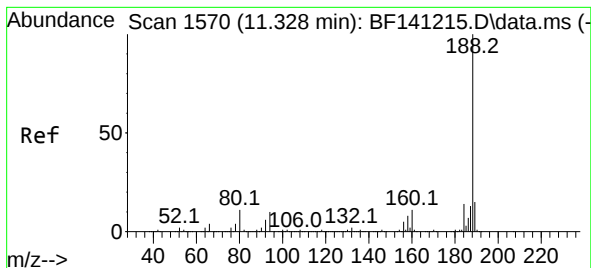
77 100

182 85.0 6.1 46.1#

105 149.3 2.1 42.1#

51 37.2 10.0 50.0





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.327 min Scan# 1

Delta R.T. -0.018 min

Lab File: BF141231.D

Acq: 21 Jan 2025 13:09

Instrument :

BNA_F

ClientSampleId :

BU-03-1172025

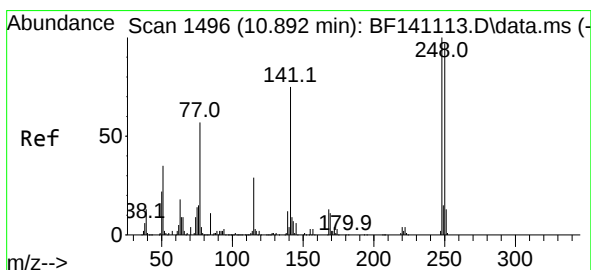
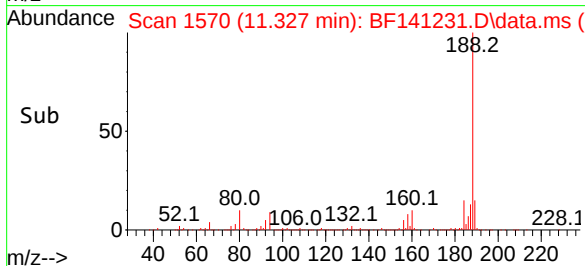
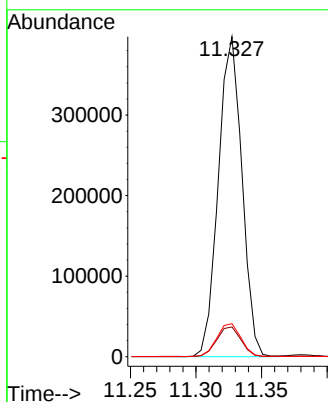
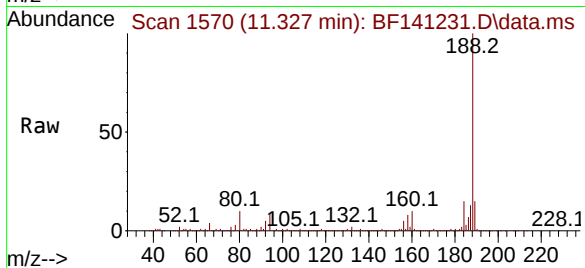
Tgt Ion:188 Resp: 496523

Ion Ratio Lower Upper

188 100

94 9.3 8.3 12.5

80 10.3 9.0 13.4



#67

4-Bromophenyl-phenylether

Concen: 3.723 ng

RT: 10.627 min Scan# 1451

Delta R.T. -0.265 min

Lab File: BF141231.D

Acq: 21 Jan 2025 13:09

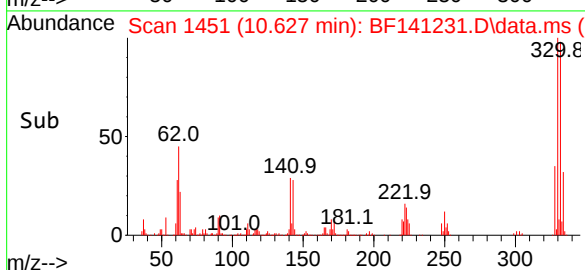
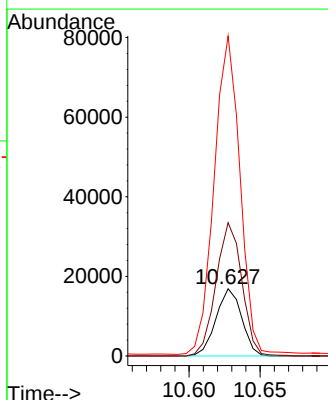
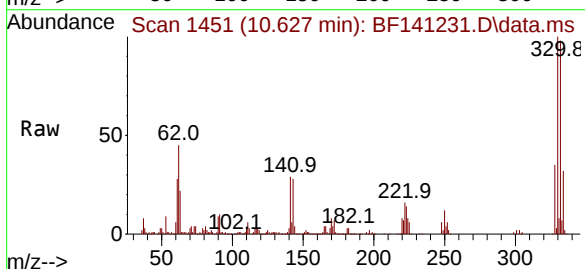
Tgt Ion:248 Resp: 21285

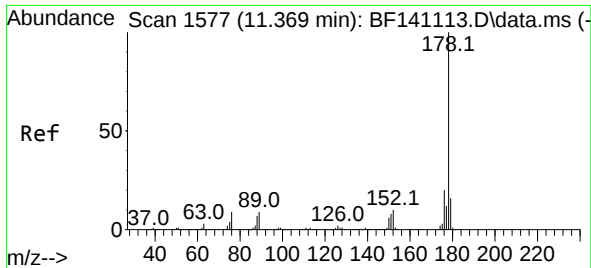
Ion Ratio Lower Upper

248 100

250 198.4 77.9 116.9#

141 476.4 59.9 89.9#

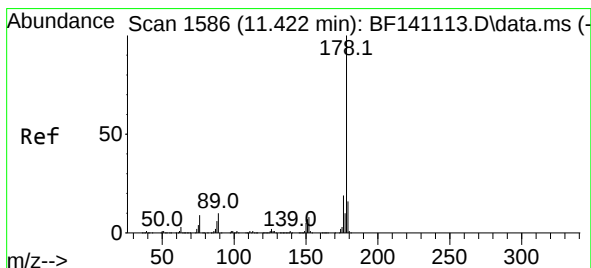
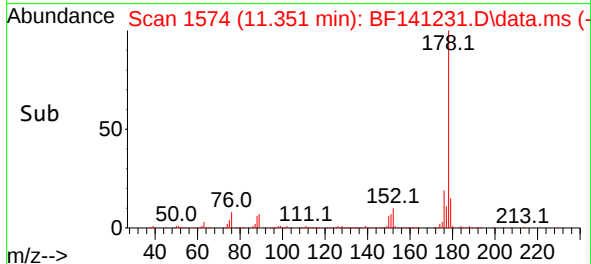
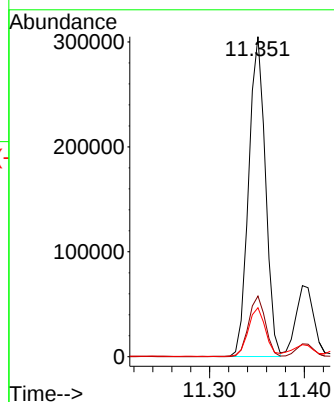
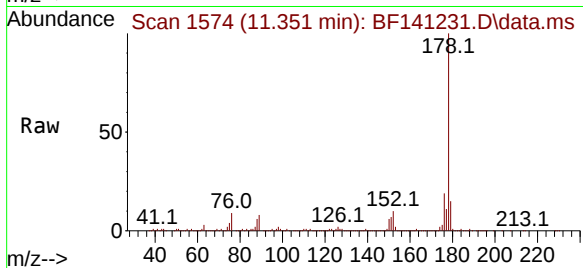




#71
Phenanthrene
Concen: 14.053 ng
RT: 11.351 min Scan# 11
Delta R.T. -0.018 min
Lab File: BF141231.D
Acq: 21 Jan 2025 13:09

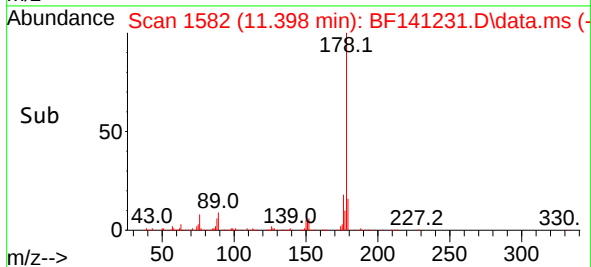
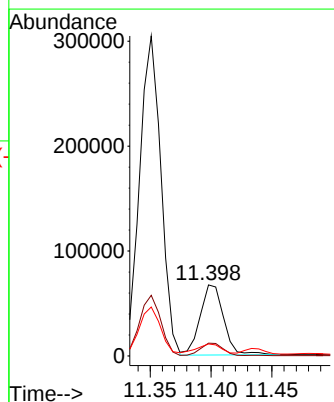
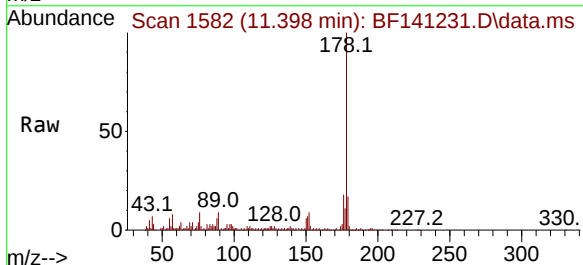
Instrument :
BNA_F
ClientSampleId :
BU-03-1172025

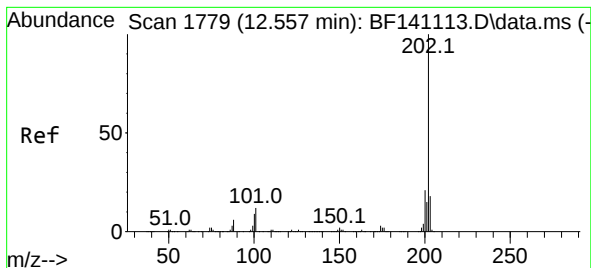
Tgt Ion:178 Resp: 374617
Ion Ratio Lower Upper
178 100
176 19.0 15.7 23.5
179 15.3 12.6 19.0



#72
Anthracene
Concen: 3.472 ng
RT: 11.398 min Scan# 1582
Delta R.T. -0.024 min
Lab File: BF141231.D
Acq: 21 Jan 2025 13:09

Tgt Ion:178 Resp: 89990
Ion Ratio Lower Upper
178 100
176 18.0 14.9 22.3
179 16.9 12.6 19.0





#75

Fluoranthene

Concen: 16.360 ng

RT: 12.539 min Scan# 1776

Delta R.T. -0.018 min

Lab File: BF141231.D

Acq: 21 Jan 2025 13:09

Instrument :

BNA_F

ClientSampleId :

BU-03-1172025

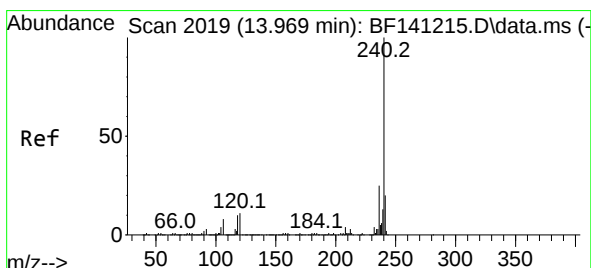
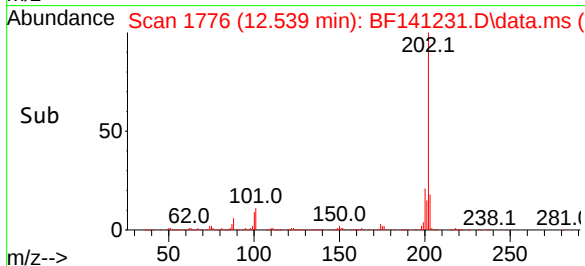
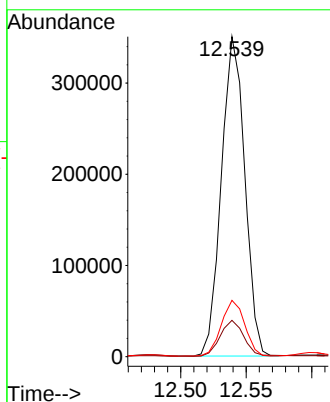
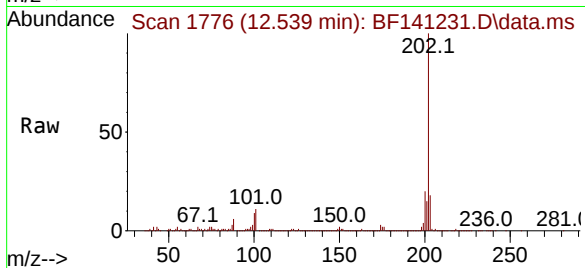
Tgt Ion:202 Resp: 435199

Ion Ratio Lower Upper

202 100

101 11.4 0.0 32.3

203 17.6 0.0 37.7



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.968 min Scan# 2019

Delta R.T. -0.018 min

Lab File: BF141231.D

Acq: 21 Jan 2025 13:09

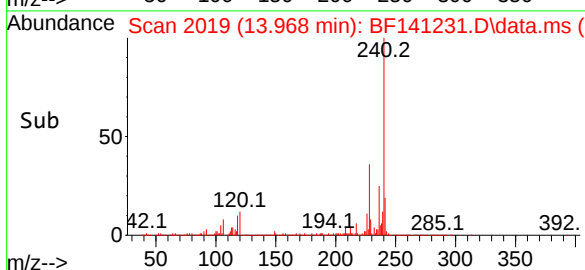
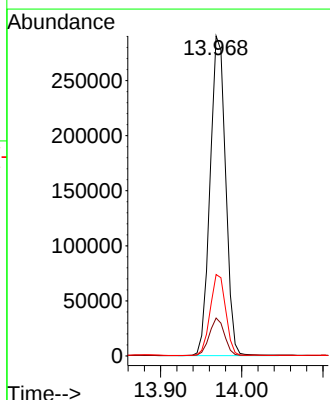
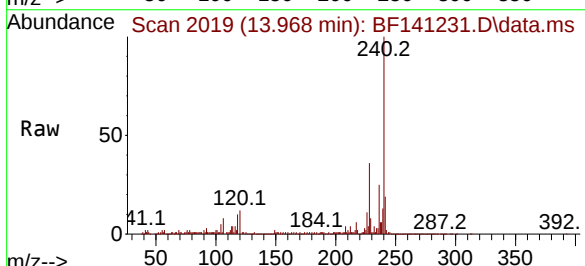
Tgt Ion:240 Resp: 385189

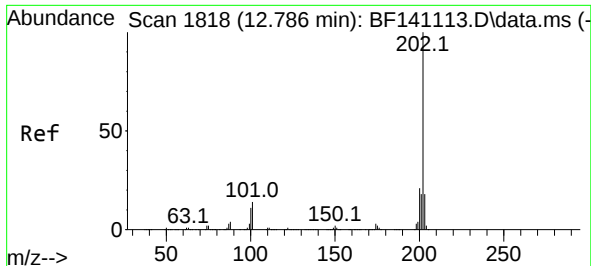
Ion Ratio Lower Upper

240 100

120 11.8 9.1 13.7

236 25.5 19.8 29.6

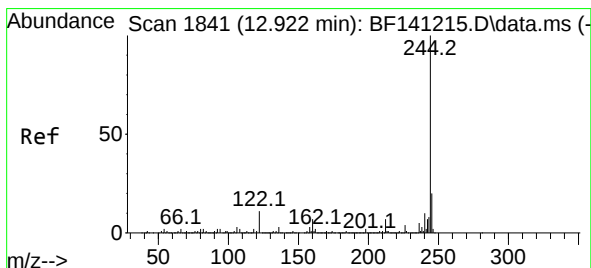
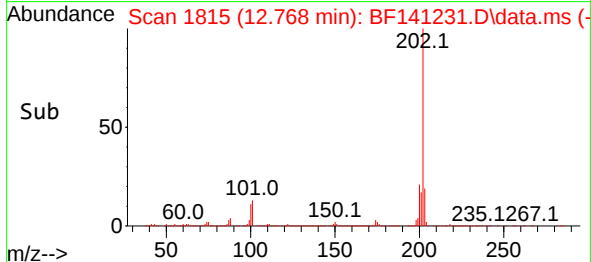
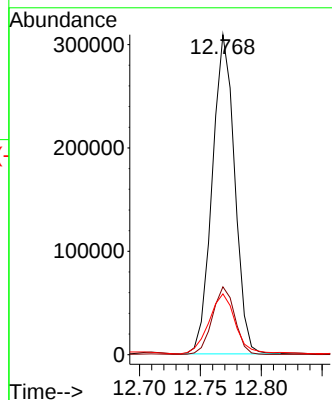
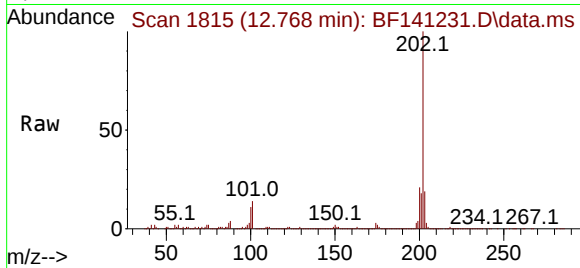




#78
 Pyrene
 Concen: 10.732 ng
 RT: 12.768 min Scan# 1815
 Delta R.T. -0.018 min
 Lab File: BF141231.D
 Acq: 21 Jan 2025 13:09

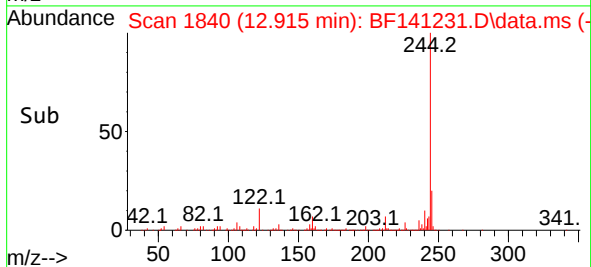
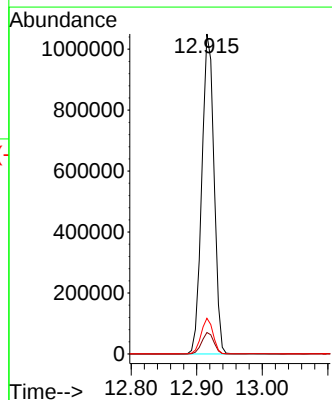
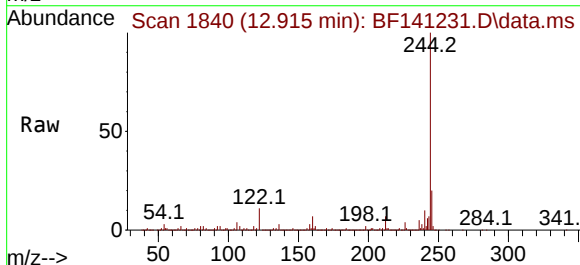
Instrument :
 BNA_F
 ClientSampleId :
 BU-03-1172025

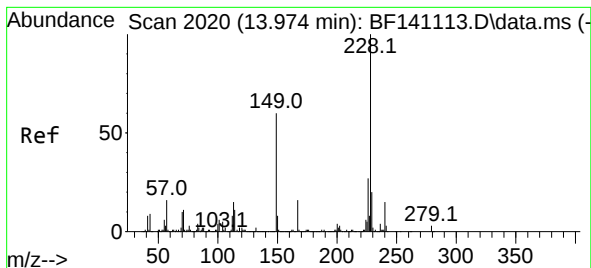
Tgt Ion:202 Resp: 394849
 Ion Ratio Lower Upper
 202 100
 200 21.2 16.8 25.2
 203 19.0 14.3 21.5



#79
 Terphenyl-d14
 Concen: 52.663 ng
 RT: 12.915 min Scan# 1840
 Delta R.T. -0.018 min
 Lab File: BF141231.D
 Acq: 21 Jan 2025 13:09

Tgt Ion:244 Resp: 1364807
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.4 8.2
 122 11.1 8.8 13.2





#81

Benzo(a)anthracene

Concen: 8.883 ng

RT: 13.962 min Scan# 20

Delta R.T. -0.012 min

Lab File: BF141231.D

Acq: 21 Jan 2025 13:09

Instrument :

BNA_F

ClientSampleId :

BU-03-1172025

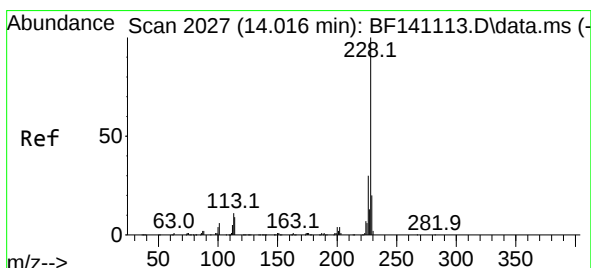
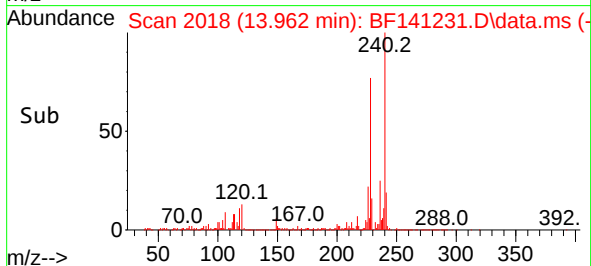
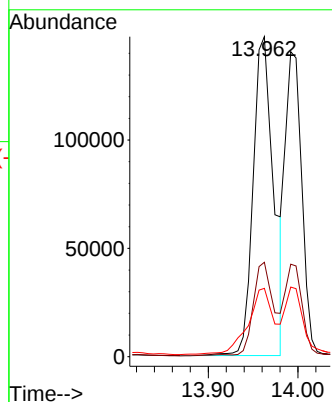
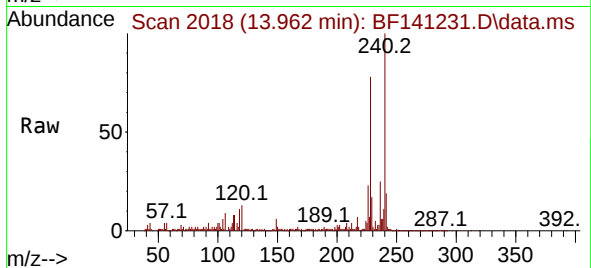
Tgt Ion:228 Resp: 232865

Ion Ratio Lower Upper

228 100

226 29.5 21.7 32.5

229 21.3 15.7 23.5



#83

Chrysene

Concen: 7.271 ng

RT: 13.992 min Scan# 2023

Delta R.T. -0.024 min

Lab File: BF141231.D

Acq: 21 Jan 2025 13:09

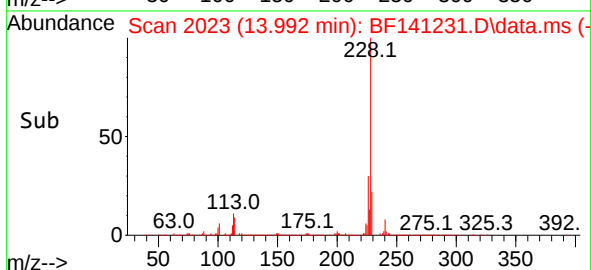
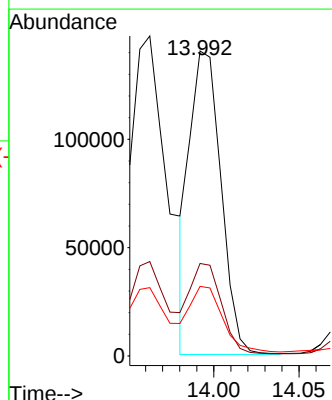
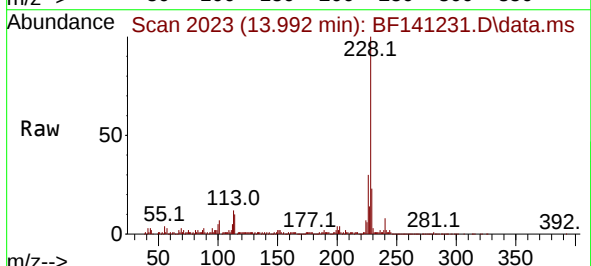
Tgt Ion:228 Resp: 178351

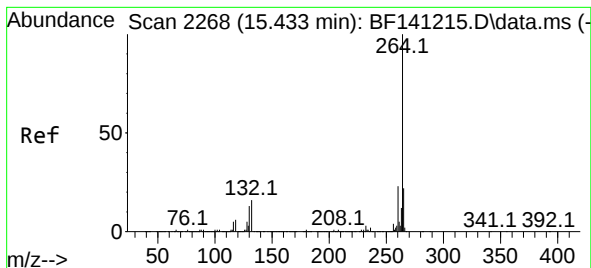
Ion Ratio Lower Upper

228 100

226 30.4 23.8 35.8

229 22.8 15.8 23.8





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.433 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF141231.D

Acq: 21 Jan 2025 13:09

Instrument :

BNA_F

ClientSampleId :

BU-03-1172025

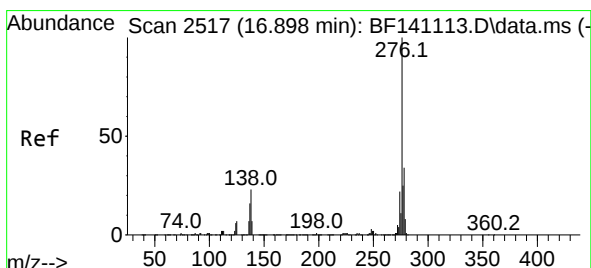
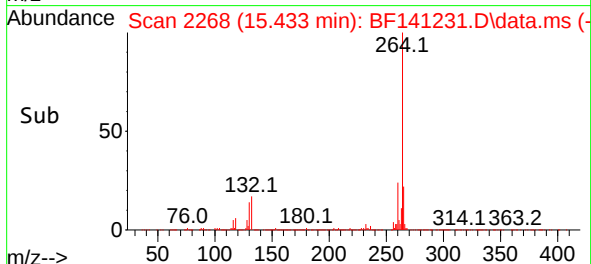
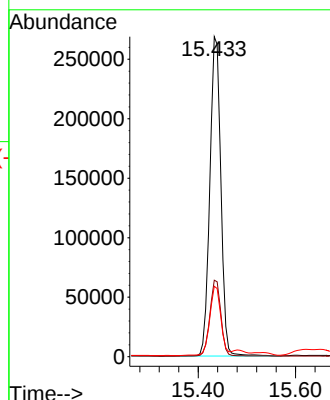
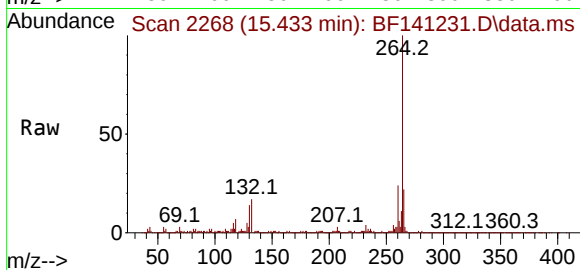
Tgt Ion:264 Resp: 418572

Ion Ratio Lower Upper

264 100

260 23.9 18.6 28.0

265 22.0 17.4 26.0



#87

Indeno(1,2,3-cd)pyrene

Concen: 3.379 ng

RT: 16.874 min Scan# 2513

Delta R.T. -0.024 min

Lab File: BF141231.D

Acq: 21 Jan 2025 13:09

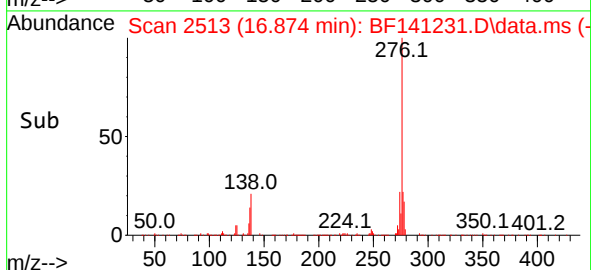
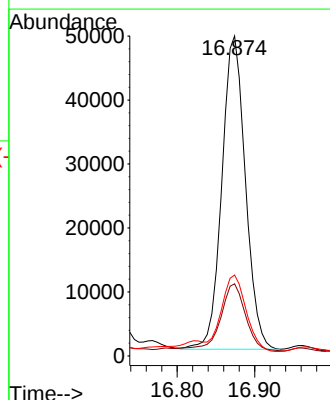
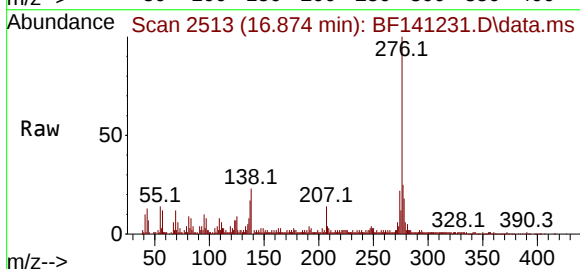
Tgt Ion:276 Resp: 103629

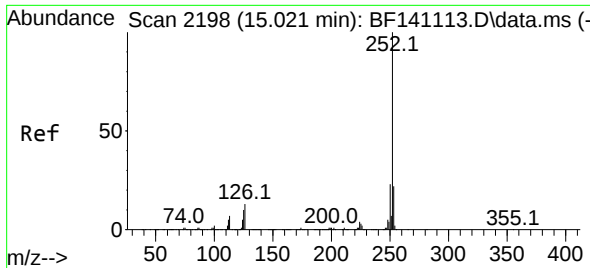
Ion Ratio Lower Upper

276 100

138 22.6 20.7 31.1

277 25.9 20.6 30.8

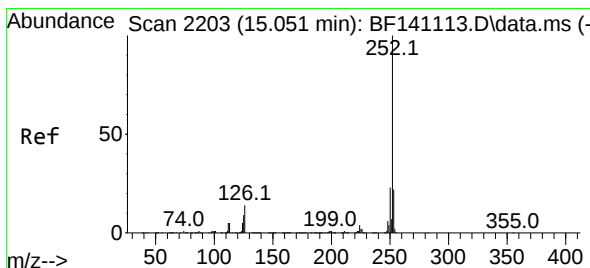
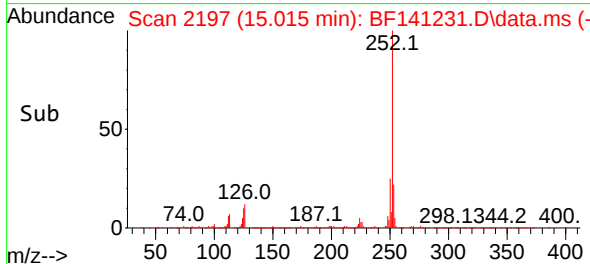
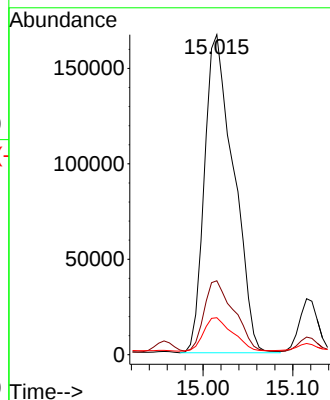
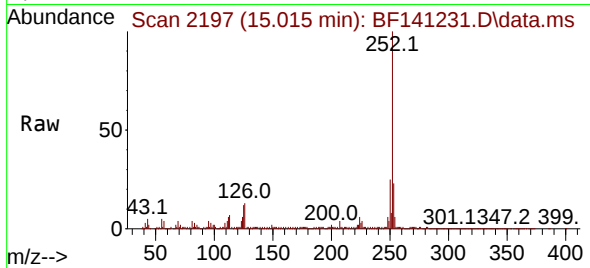




#88
Benzo(b)fluoranthene
Concen: 13.937 ng
RT: 15.015 min Scan# 2197
Delta R.T. -0.006 min
Lab File: BF141231.D
Acq: 21 Jan 2025 13:09

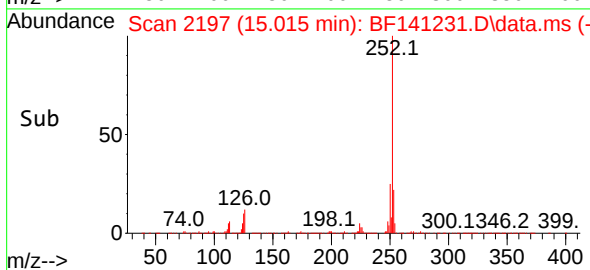
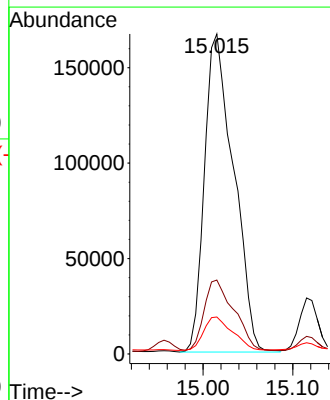
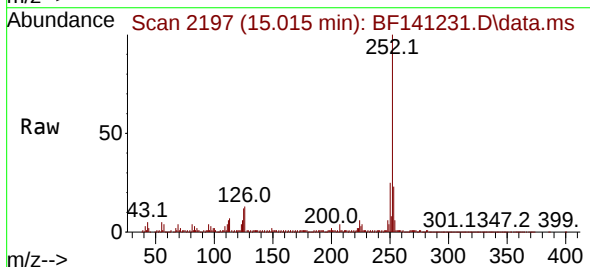
Instrument :
BNA_F
ClientSampleId :
BU-03-1172025

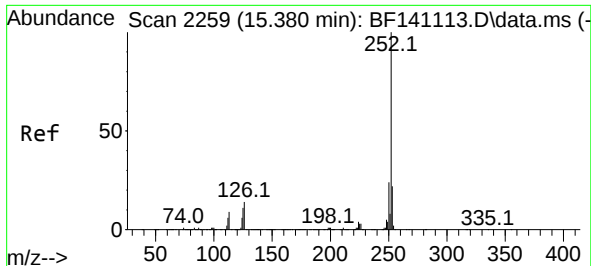
Tgt Ion:252 Resp: 376171
Ion Ratio Lower Upper
252 100
253 23.1 17.8 26.6
125 11.5 8.1 12.1



#89
Benzo(k)fluoranthene
Concen: 16.492 ng
RT: 15.015 min Scan# 2197
Delta R.T. -0.035 min
Lab File: BF141231.D
Acq: 21 Jan 2025 13:09

Tgt Ion:252 Resp: 376171
Ion Ratio Lower Upper
252 100
253 23.1 17.8 26.8
125 11.5 7.9 11.9

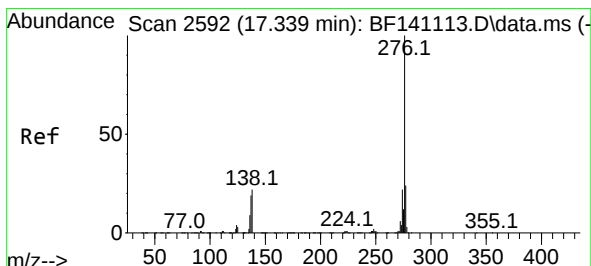
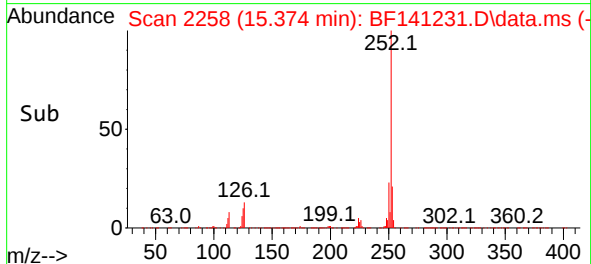
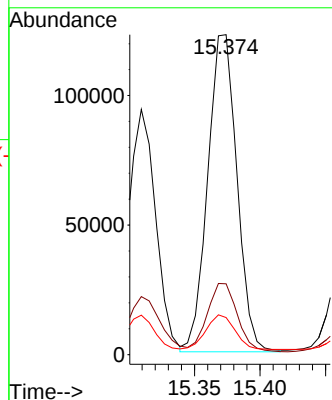
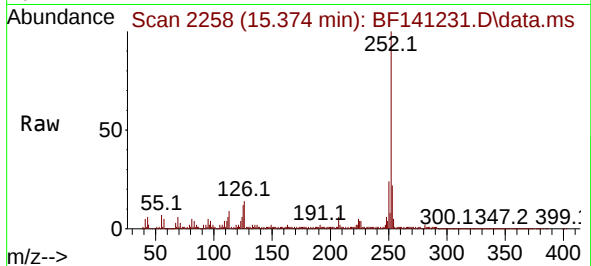




#90
Benzo(a)pyrene
Concen: 8.534 ng
RT: 15.374 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF141231.D
Acq: 21 Jan 2025 13:09

Instrument :
BNA_F
ClientSampleId :
BU-03-1172025

Tgt Ion:252 Resp: 190047
Ion Ratio Lower Upper
252 100
253 22.2 17.7 26.5
125 11.6 9.1 13.7



#92
Benzo(g,h,i)perylene
Concen: 3.768 ng
RT: 17.309 min Scan# 2587
Delta R.T. -0.030 min
Lab File: BF141231.D
Acq: 21 Jan 2025 13:09

Tgt Ion:276 Resp: 97199
Ion Ratio Lower Upper
276 100
277 25.0 19.0 28.4
138 21.1 17.4 26.2

