

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012225\
 Data File : BF141242.D
 Acq On : 22 Jan 2025 18:24
 Operator : RC/JU
 Sample : Q1141-01 5X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SU-4-012125

Quant Time: Jan 23 00:08:50 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)

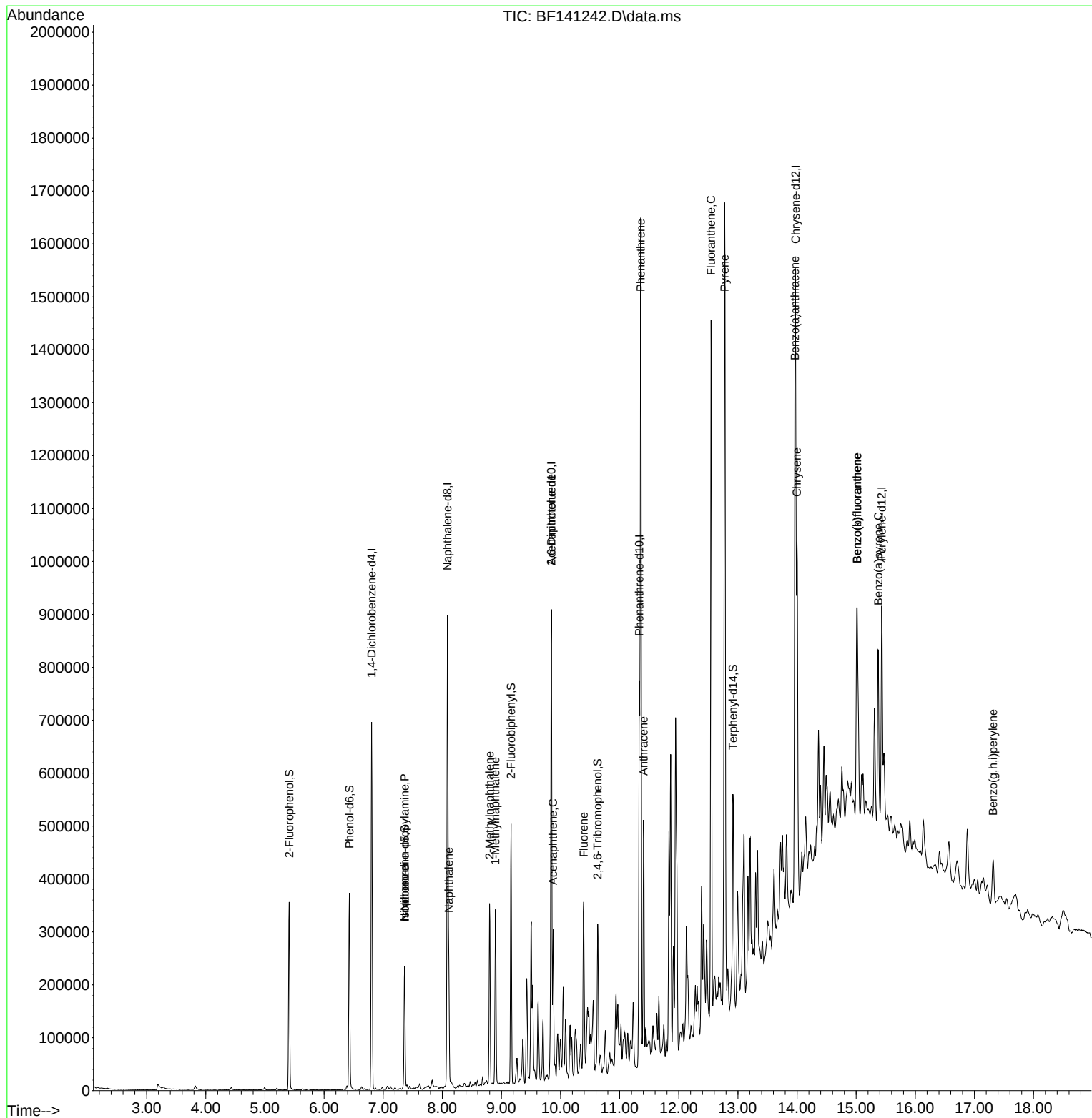
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.804	152	143722	20.000	ng	-0.02
21) Naphthalene-d8	8.087	136	541640	20.000	ng	-0.02
39) Acenaphthene-d10	9.845	164	260163	20.000	ng	-0.02
64) Phenanthrene-d10	11.333	188	360374	20.000	ng	-0.01
76) Chrysene-d12	13.974	240	316463	20.000	ng	-0.01
86) Perylene-d12	15.433	264	247428	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.410	112	138249	14.860	ng	-0.02
7) Phenol-d6	6.428	99	173001	14.680	ng	-0.02
23) Nitrobenzene-d5	7.363	82	100937	9.878	ng	-0.02
42) 2,4,6-Tribromophenol	10.628	330	38747	13.071	ng	-0.02
45) 2-Fluorobiphenyl	9.163	172	208619	12.245	ng	-0.02
79) Terphenyl-d14	12.916	244	186033	8.737	ng	-0.02
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.363	70	14102	2.031	ng	# 75
25) Isophorone	7.363	82	99873	5.719	ng	# 65
31) Naphthalene	8.110	128	142029	4.972	ng	98
37) 2-Methylnaphthalene	8.798	142	130390	7.164	ng	99
38) 1-Methylnaphthalene	8.898	142	119746	6.675	ng	99
51) 2,6-Dinitrotoluene	9.845	165	38548	9.491	ng	# 27
52) Acenaphthene	9.875	154	79315	5.049	ng	99
58) Fluorene	10.392	166	121982	7.349	ng	99
71) Phenanthrene	11.357	178	837002	43.262	ng	100
72) Anthracene	11.404	178	256354	13.627	ng	99
75) Fluoranthene	12.545	202	721066	37.348	ng	99
78) Pyrene	12.774	202	890411	29.458	ng	98
81) Benzo(a)anthracene	13.963	228	455891	21.168	ng	96
83) Chrysene	13.998	228	330737	16.412	ng	97
88) Benzo(b)fluoranthene	15.015	252	364119	22.822	ng	97
89) Benzo(k)fluoranthene	15.015	252	364119	27.005	ng	# 97
90) Benzo(a)pyrene	15.374	252	213778	16.240	ng	98
92) Benzo(g,h,i)perylene	17.315	276	81328	5.333	ng	97

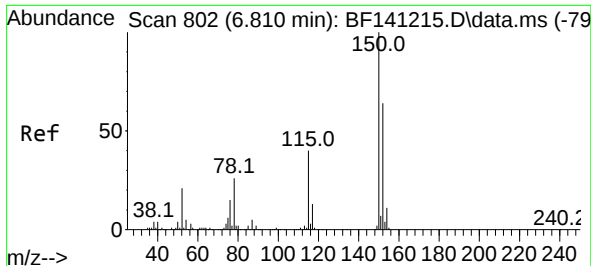
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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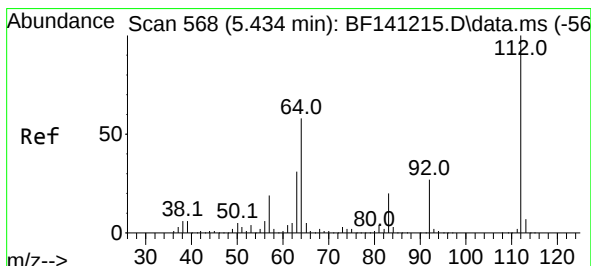
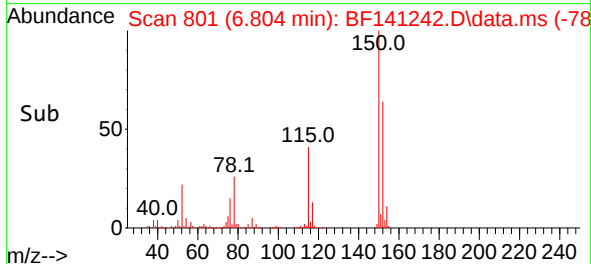
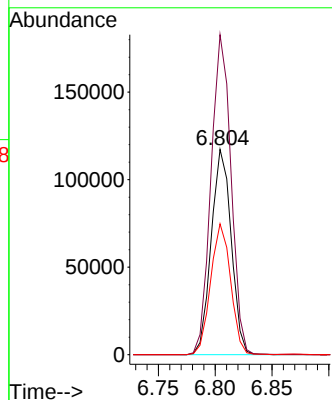
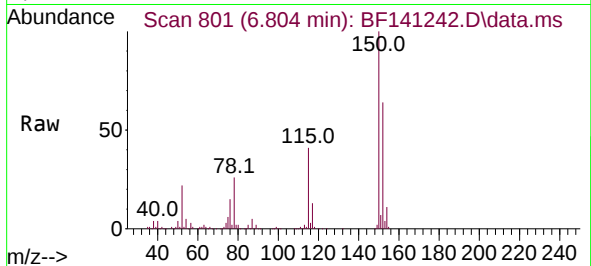




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.804 min Scan# 801
Delta R.T. -0.018 min
Lab File: BF141242.D
Acq: 22 Jan 2025 18:24

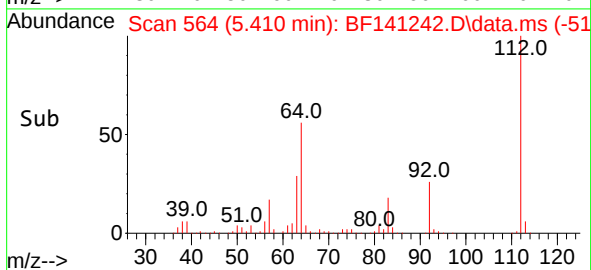
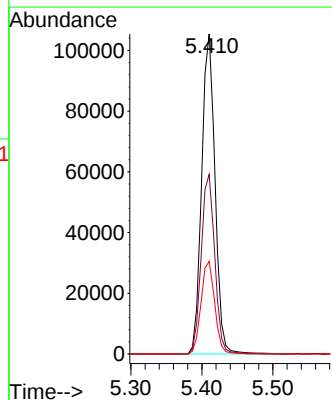
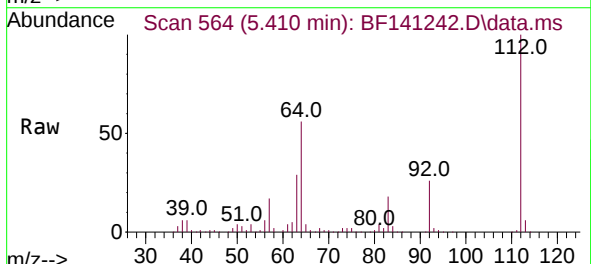
Instrument :
BNA_F
ClientSampleId :
SU-4-012125

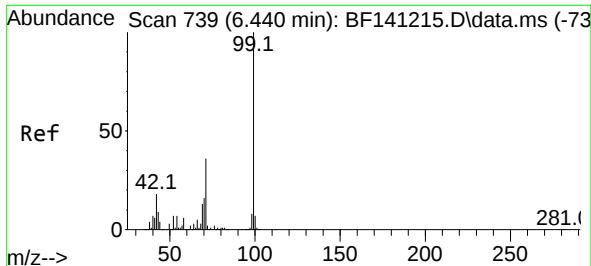
Tgt Ion:152 Resp: 143722
Ion Ratio Lower Upper
152 100
150 155.9 125.8 188.8
115 63.7 51.4 77.2



#5
2-Fluorophenol
Concen: 14.860 ng
RT: 5.410 min Scan# 564
Delta R.T. -0.018 min
Lab File: BF141242.D
Acq: 22 Jan 2025 18:24

Tgt Ion:112 Resp: 138249
Ion Ratio Lower Upper
112 100
64 56.1 47.3 70.9
63 29.0 24.2 36.2

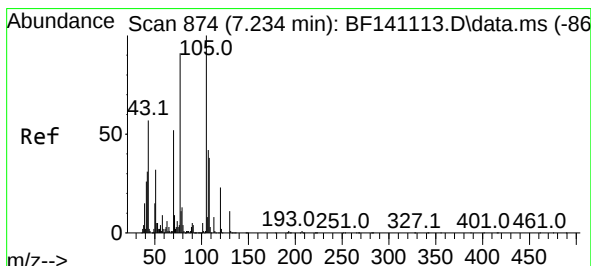
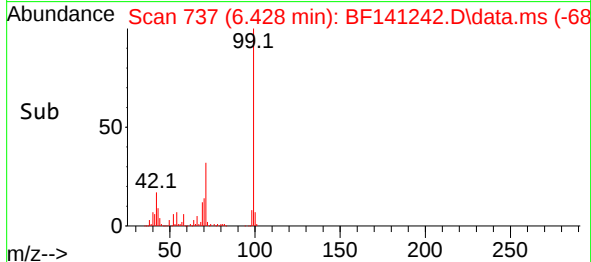
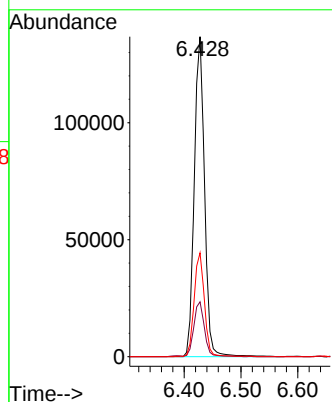
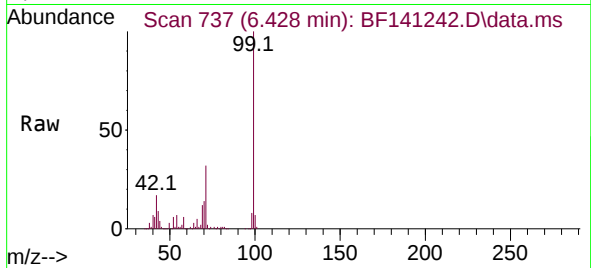




#7
Phenol-d6
Concen: 14.680 ng
RT: 6.428 min Scan# 71
Delta R.T. -0.018 min
Lab File: BF141242.D
Acq: 22 Jan 2025 18:24

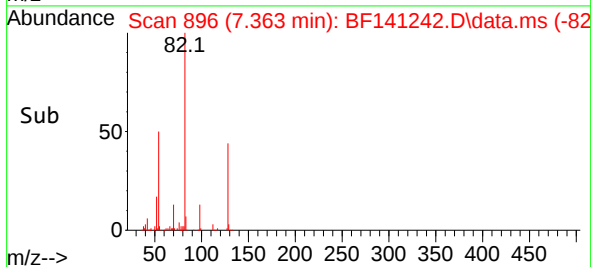
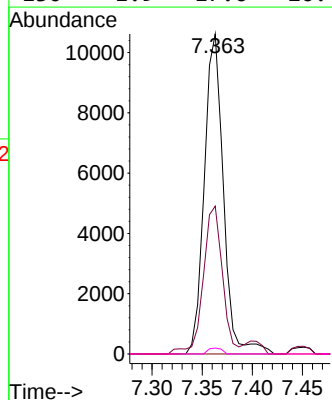
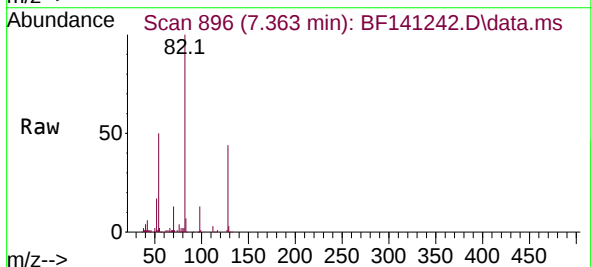
Instrument :
BNA_F
ClientSampleId :
SU-4-012125

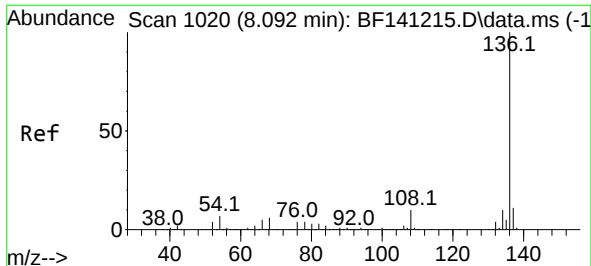
Tgt Ion: 99 Resp: 173001
Ion Ratio Lower Upper
99 100
42 17.2 15.0 22.4
71 32.4 27.6 41.4



#19
n-Nitroso-di-n-propylamine
Concen: 2.031 ng
RT: 7.363 min Scan# 896
Delta R.T. 0.129 min
Lab File: BF141242.D
Acq: 22 Jan 2025 18:24

Tgt Ion: 70 Resp: 14102
Ion Ratio Lower Upper
70 100
42 46.2 47.8 71.6#
101 0.0 7.9 11.9#
130 1.9 17.6 26.4#



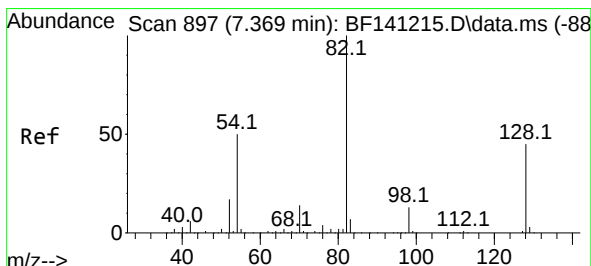
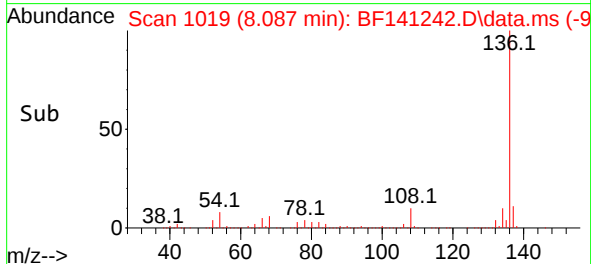
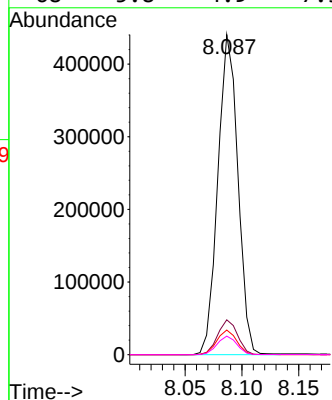
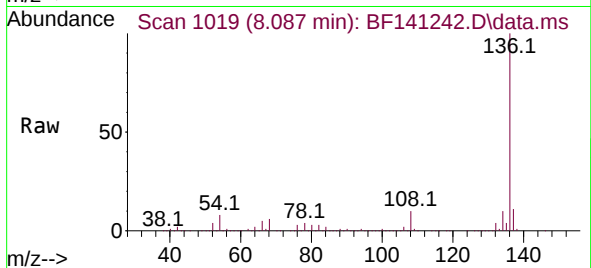


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.087 min Scan# 11
Delta R.T. -0.018 min
Lab File: BF141242.D
Acq: 22 Jan 2025 18:24

Instrument :
BNA_F
ClientSampleId :
SU-4-012125

Tgt Ion:136 Resp: 541640

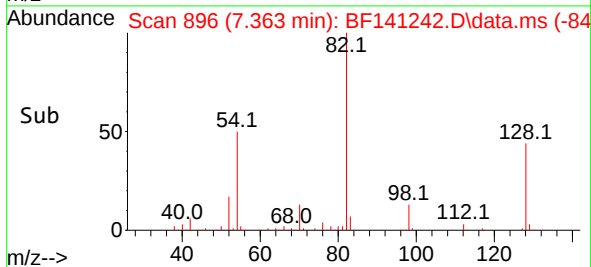
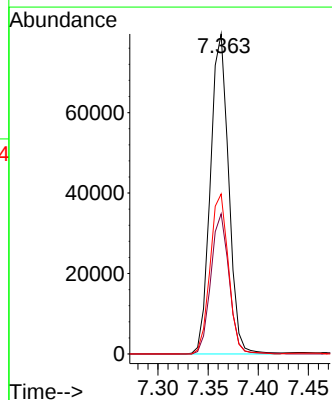
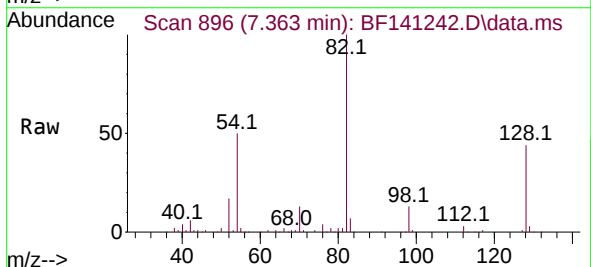
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.8	13.2
54	7.7	6.3	9.5
68	5.8	4.9	7.3

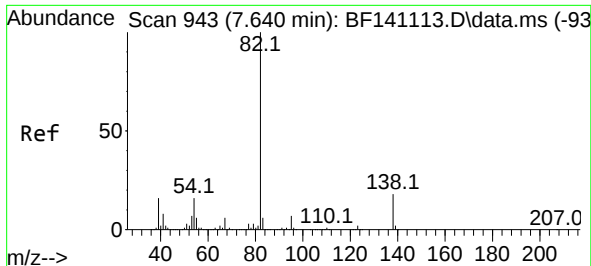


#23
Nitrobenzene-d5
Concen: 9.878 ng
RT: 7.363 min Scan# 896
Delta R.T. -0.024 min
Lab File: BF141242.D
Acq: 22 Jan 2025 18:24

Tgt Ion: 82 Resp: 100937

Ion	Ratio	Lower	Upper
82	100		
128	43.8	36.1	54.1
54	50.0	41.0	61.4

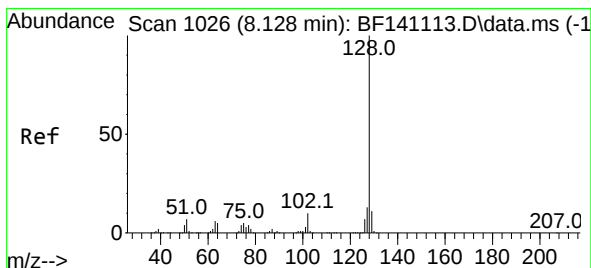
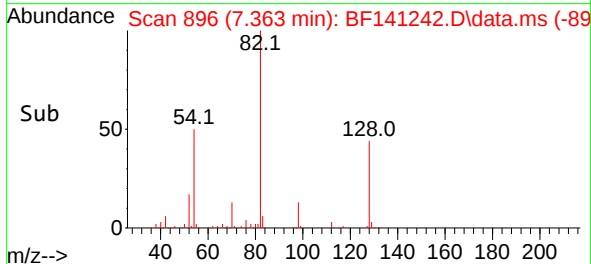
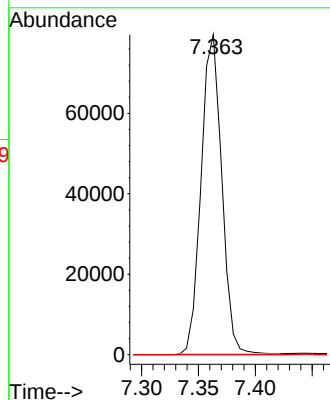
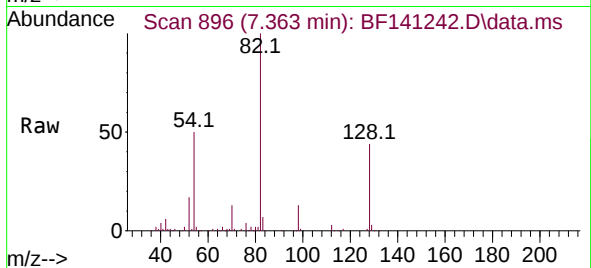




#25
Isophorone
Concen: 5.719 ng
RT: 7.363 min Scan# 896
Delta R.T. -0.276 min
Lab File: BF141242.D
Acq: 22 Jan 2025 18:24

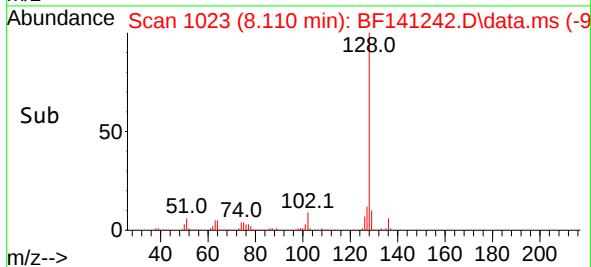
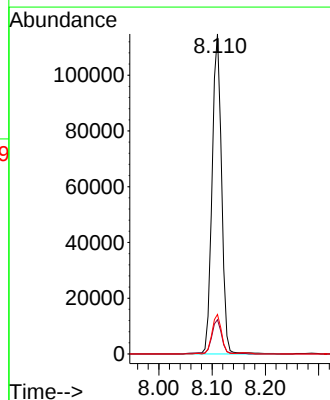
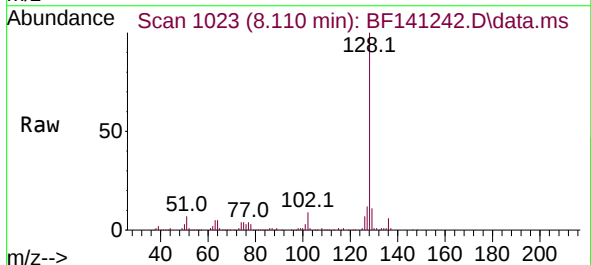
Instrument :
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ClientSampleId :
SU-4-012125

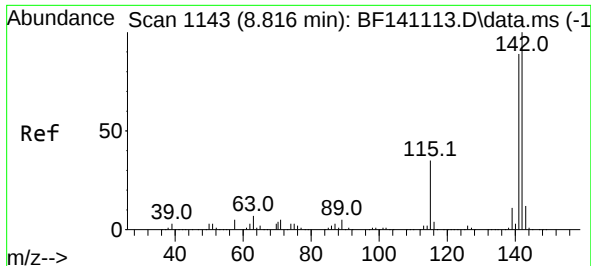
Tgt Ion: 82 Resp: 99873
Ion Ratio Lower Upper
82 100
95 0.0 5.9 8.9#
138 0.0 14.2 21.2#



#31
Naphthalene
Concen: 4.972 ng
RT: 8.110 min Scan# 1023
Delta R.T. -0.018 min
Lab File: BF141242.D
Acq: 22 Jan 2025 18:24

Tgt Ion: 128 Resp: 142029
Ion Ratio Lower Upper
128 100
129 10.7 9.0 13.6
127 12.3 10.8 16.2





#37

2-Methylnaphthalene

Concen: 7.164 ng

RT: 8.798 min Scan# 1143

Delta R.T. -0.018 min

Lab File: BF141242.D

Acq: 22 Jan 2025 18:24

Instrument :

BNA_F

ClientSampleId :

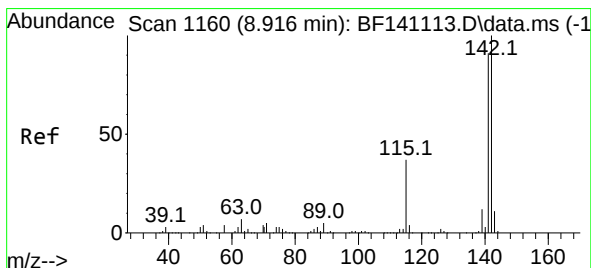
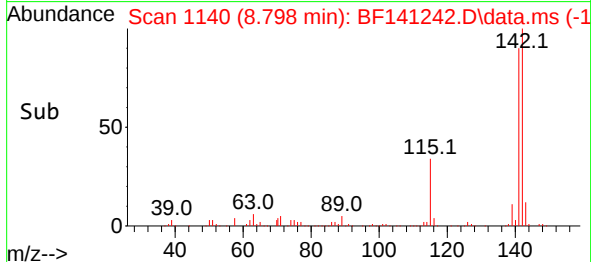
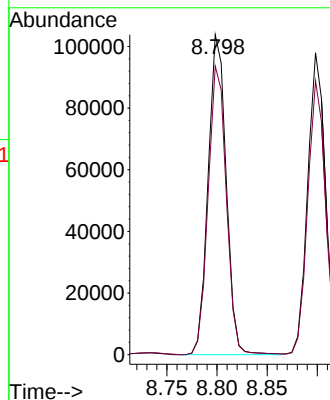
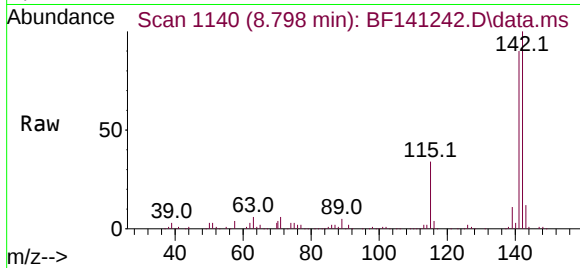
SU-4-012125

Tgt Ion:142 Resp: 130390

Ion Ratio Lower Upper

142 100

141 90.2 71.3 106.9



#38

1-Methylnaphthalene

Concen: 6.675 ng

RT: 8.898 min Scan# 1157

Delta R.T. -0.018 min

Lab File: BF141242.D

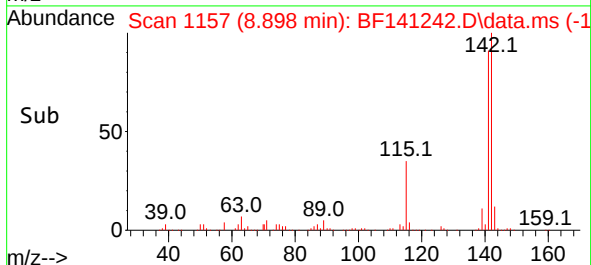
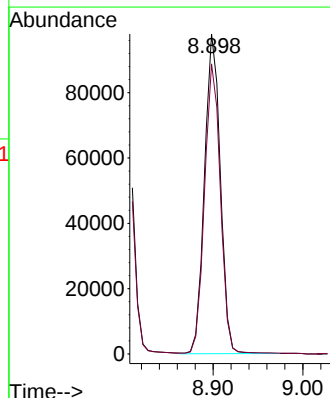
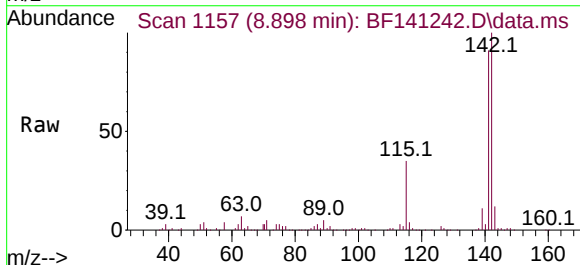
Acq: 22 Jan 2025 18:24

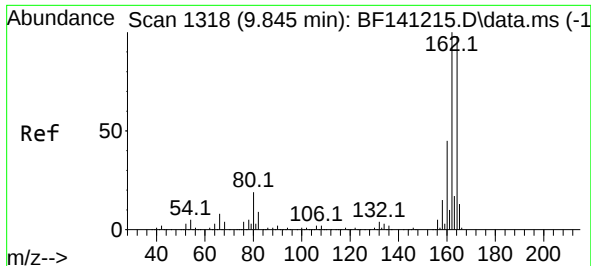
Tgt Ion:142 Resp: 119746

Ion Ratio Lower Upper

142 100

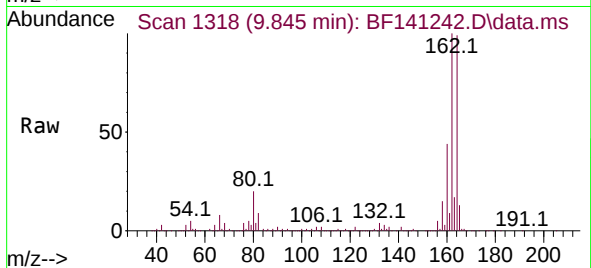
141 90.6 73.1 109.7



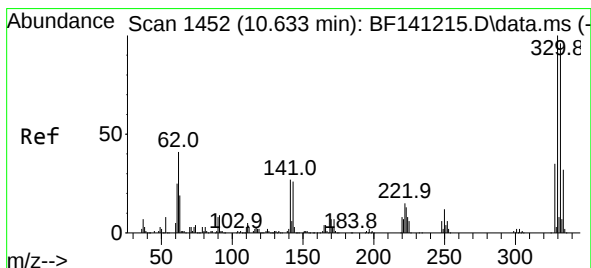
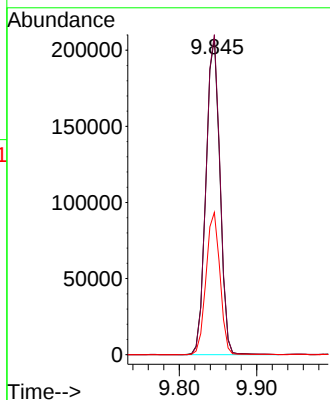
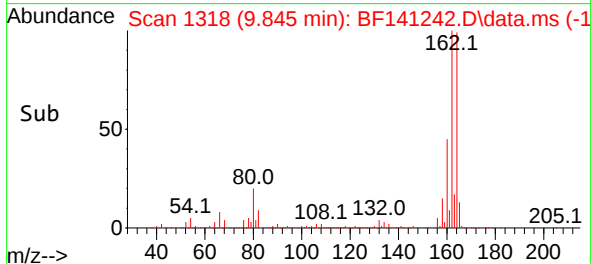


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.845 min Scan# 11
Delta R.T. -0.018 min
Lab File: BF141242.D
Acq: 22 Jan 2025 18:24

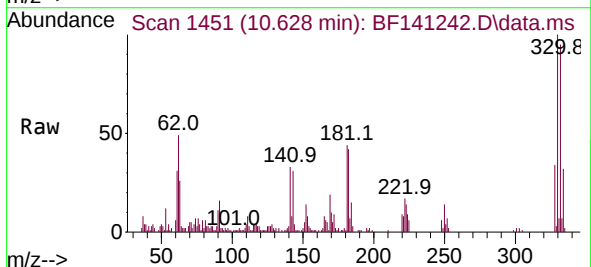
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BNA_F
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SU-4-012125



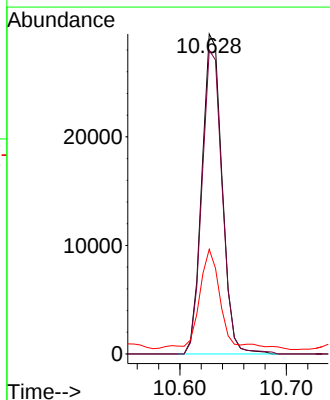
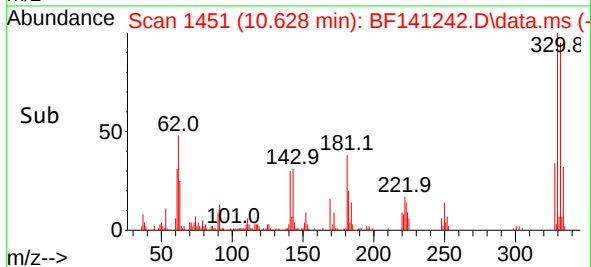
Tgt Ion:164 Resp: 260163
Ion Ratio Lower Upper
164 100
162 101.2 81.0 121.4
160 45.0 36.1 54.1

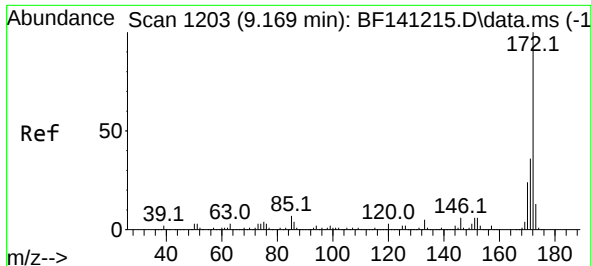


#42
2,4,6-Tribromophenol
Concen: 13.071 ng
RT: 10.628 min Scan# 1451
Delta R.T. -0.024 min
Lab File: BF141242.D
Acq: 22 Jan 2025 18:24



Tgt Ion:330 Resp: 38747
Ion Ratio Lower Upper
330 100
332 95.6 76.9 115.3
141 31.0 25.2 37.8





#45

2-Fluorobiphenyl

Concen: 12.245 ng

RT: 9.163 min Scan# 11

Delta R.T. -0.018 min

Lab File: BF141242.D

Acq: 22 Jan 2025 18:24

Instrument :

BNA_F

ClientSampleId :

SU-4-012125

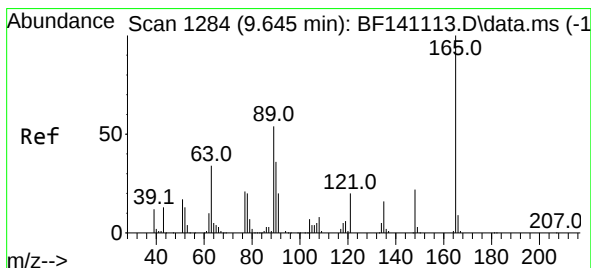
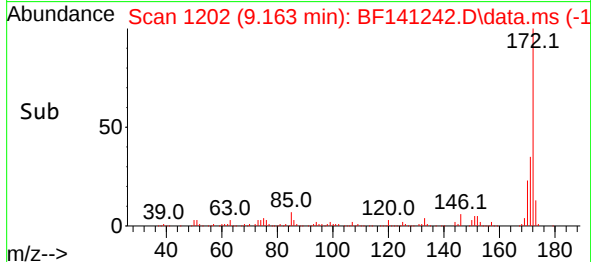
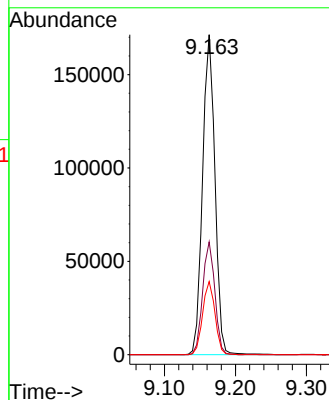
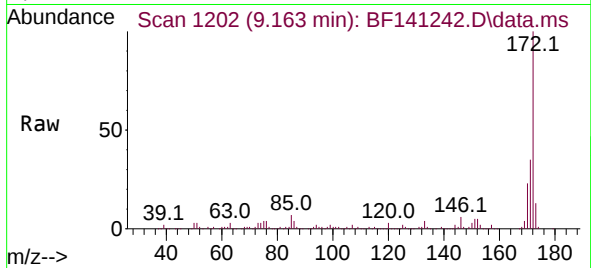
Tgt Ion:172 Resp: 208619

Ion Ratio Lower Upper

172 100

171 35.2 28.7 43.1

170 22.9 19.0 28.6



#51

2,6-Dinitrotoluene

Concen: 9.491 ng

RT: 9.845 min Scan# 1318

Delta R.T. 0.200 min

Lab File: BF141242.D

Acq: 22 Jan 2025 18:24

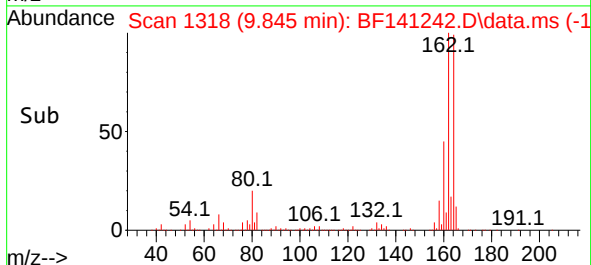
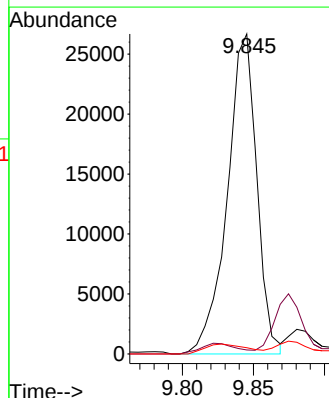
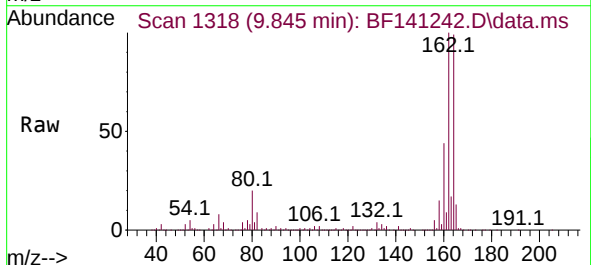
Tgt Ion:165 Resp: 38548

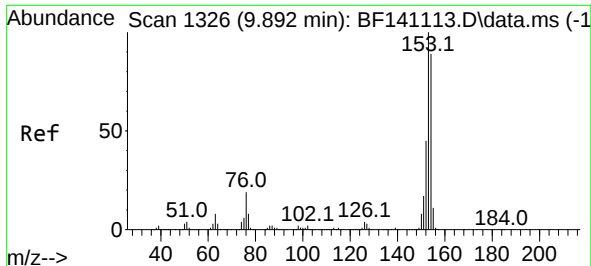
Ion Ratio Lower Upper

165 100

63 1.3 42.3 63.5#

89 2.0 43.1 64.7#

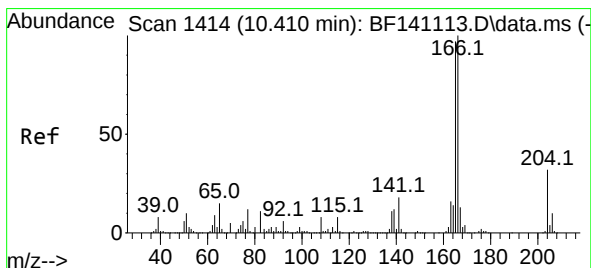
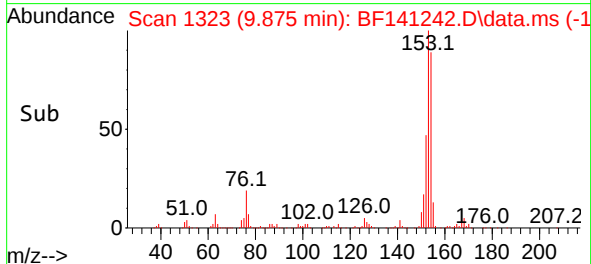
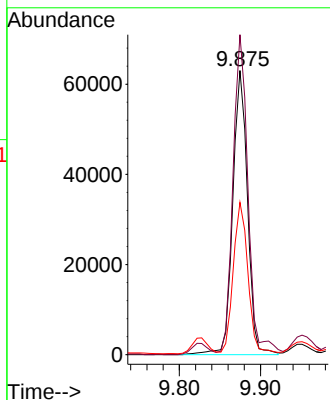
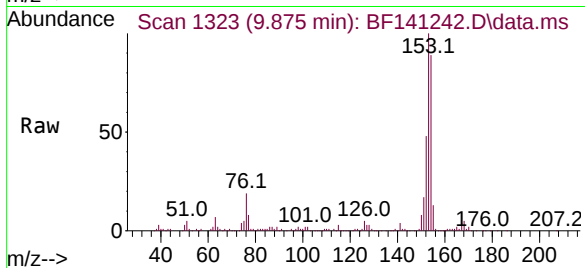




#52
Acenaphthene
Concen: 5.049 ng
RT: 9.875 min Scan# 11
Delta R.T. -0.018 min
Lab File: BF141242.D
Acq: 22 Jan 2025 18:24

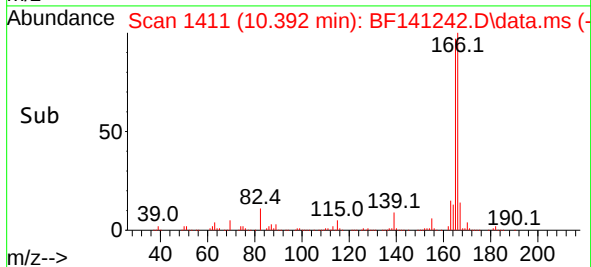
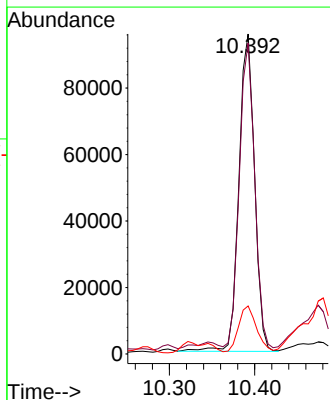
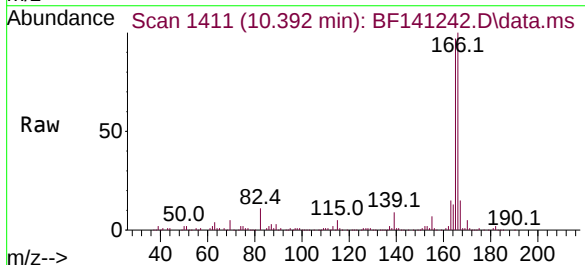
Instrument :
BNA_F
ClientSampleId :
SU-4-012125

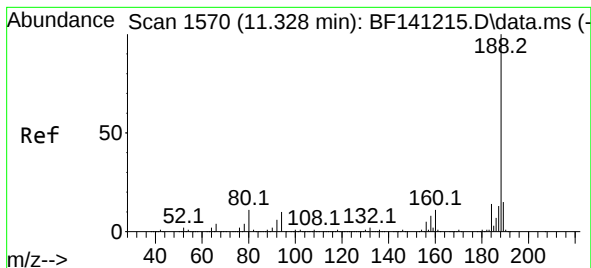
Tgt Ion:154 Resp: 79315
Ion Ratio Lower Upper
154 100
153 112.6 89.8 134.6
152 53.6 40.8 61.2



#58
Fluorene
Concen: 7.349 ng
RT: 10.392 min Scan# 1411
Delta R.T. -0.018 min
Lab File: BF141242.D
Acq: 22 Jan 2025 18:24

Tgt Ion:166 Resp: 121982
Ion Ratio Lower Upper
166 100
165 97.2 77.8 116.8
167 15.0 10.8 16.2





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.333 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF141242.D

Acq: 22 Jan 2025 18:24

Instrument :

BNA_F

ClientSampleId :

SU-4-012125

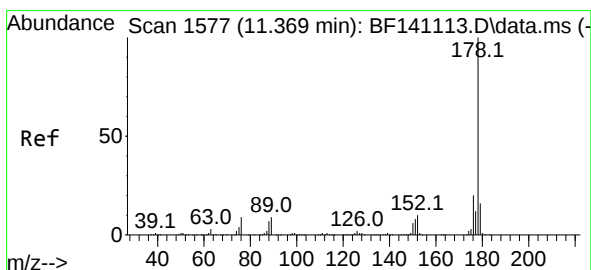
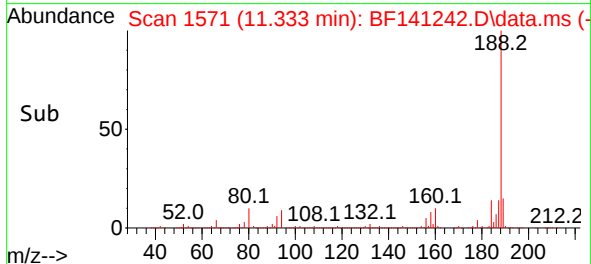
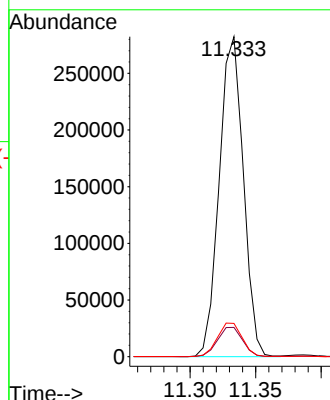
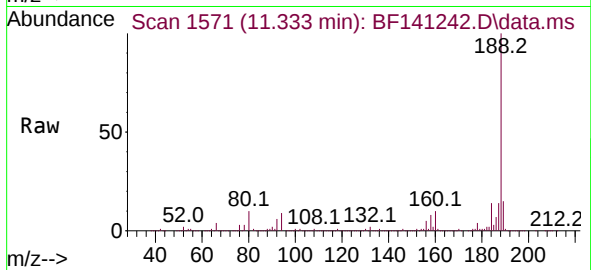
Tgt Ion:188 Resp: 360374

Ion Ratio Lower Upper

188 100

94 9.2 8.3 12.5

80 10.4 9.0 13.4



#71

Phenanthrene

Concen: 43.262 ng

RT: 11.357 min Scan# 1575

Delta R.T. -0.012 min

Lab File: BF141242.D

Acq: 22 Jan 2025 18:24

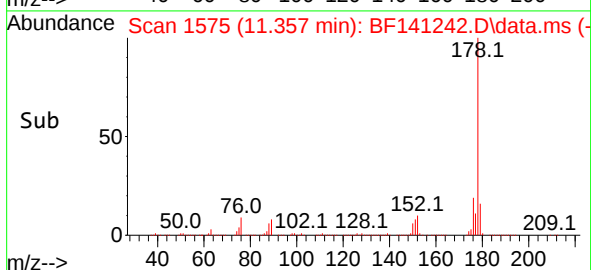
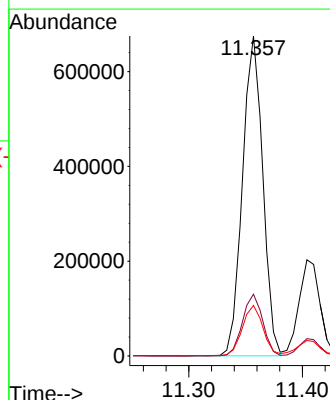
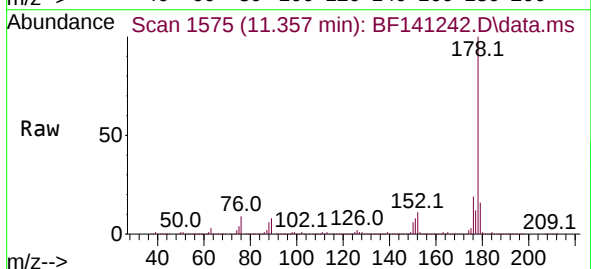
Tgt Ion:178 Resp: 837002

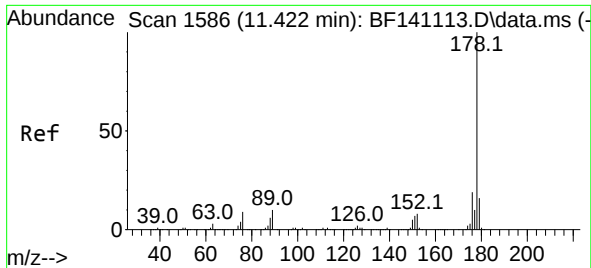
Ion Ratio Lower Upper

178 100

176 19.3 15.7 23.5

179 15.8 12.6 19.0

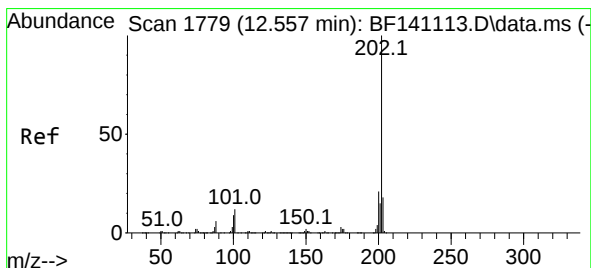
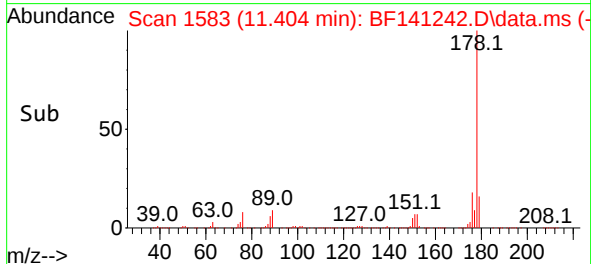
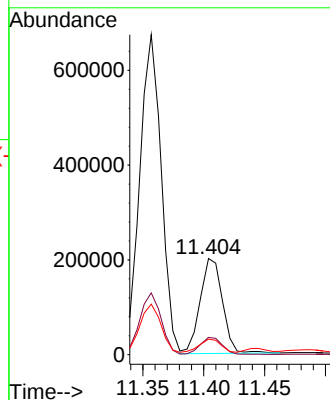
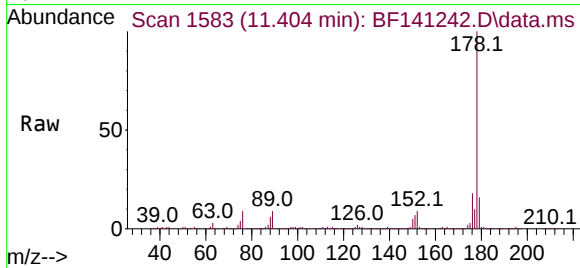




#72
 Anthracene
 Concen: 13.627 ng
 RT: 11.404 min Scan# 1583
 Delta R.T. -0.018 min
 Lab File: BF141242.D
 Acq: 22 Jan 2025 18:24

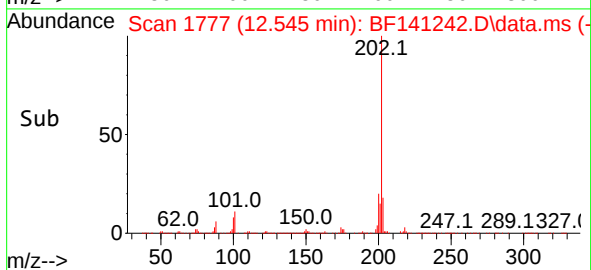
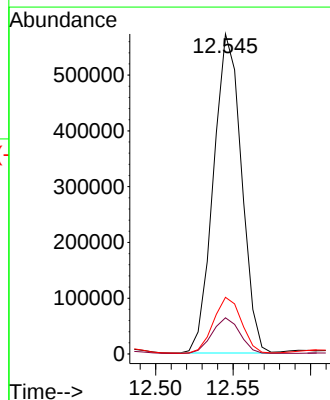
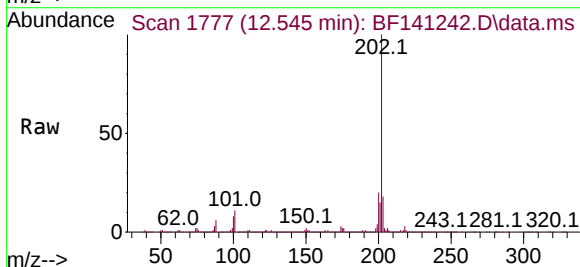
Instrument :
 BNA_F
 ClientSampleId :
 SU-4-012125

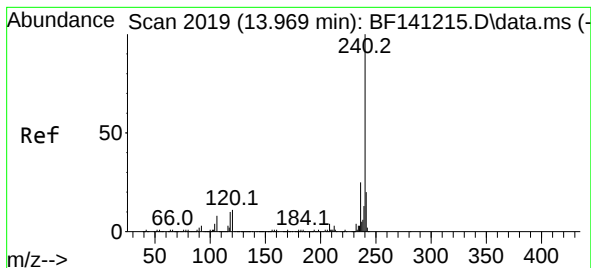
Tgt Ion:178 Resp: 256354
 Ion Ratio Lower Upper
 178 100
 176 18.0 14.9 22.3
 179 16.1 12.6 19.0



#75
 Fluoranthene
 Concen: 37.348 ng
 RT: 12.545 min Scan# 1777
 Delta R.T. -0.012 min
 Lab File: BF141242.D
 Acq: 22 Jan 2025 18:24

Tgt Ion:202 Resp: 721066
 Ion Ratio Lower Upper
 202 100
 101 11.3 0.0 32.3
 203 17.7 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: BF141242.D

Acq: 22 Jan 2025 18:24

Instrument :

BNA_F

ClientSampleId :

SU-4-012125

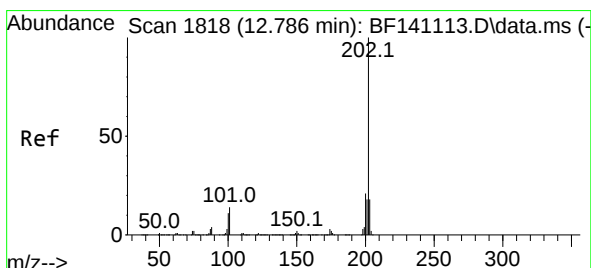
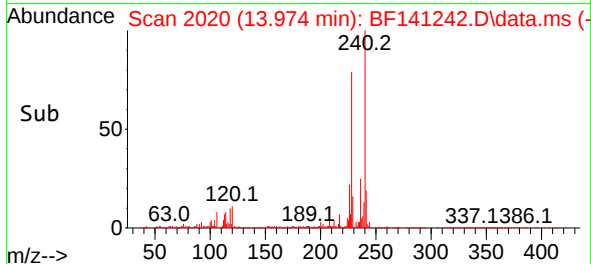
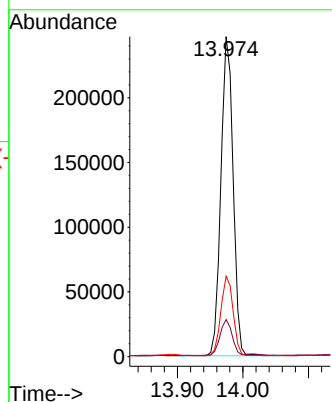
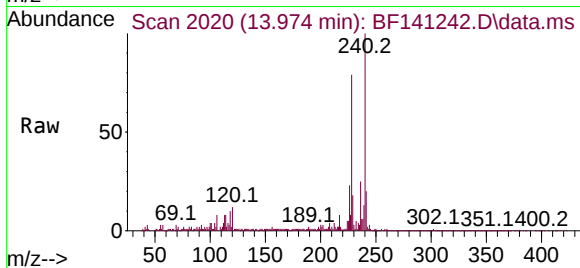
Tgt Ion:240 Resp: 316463

Ion Ratio Lower Upper

240 100

120 11.6 9.1 13.7

236 25.1 19.8 29.6



#78

Pyrene

Concen: 29.458 ng

RT: 12.774 min Scan# 1816

Delta R.T. -0.012 min

Lab File: BF141242.D

Acq: 22 Jan 2025 18:24

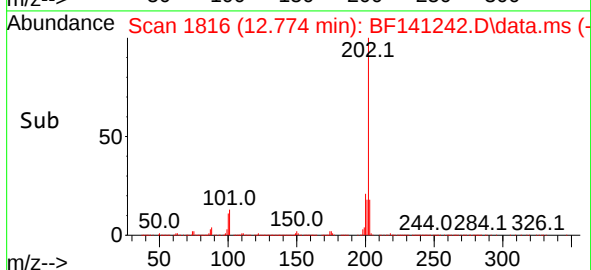
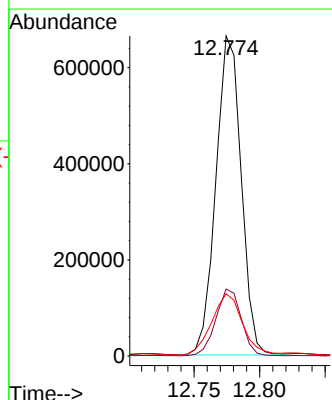
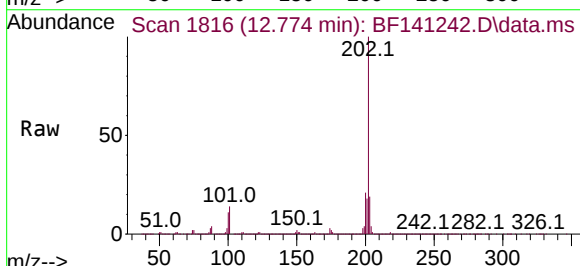
Tgt Ion:202 Resp: 890411

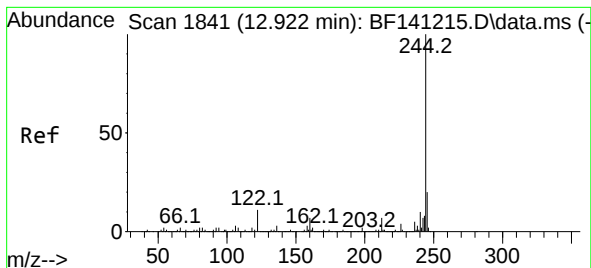
Ion Ratio Lower Upper

202 100

200 20.9 16.8 25.2

203 19.4 14.3 21.5





#79

Terphenyl-d14

Concen: 8.737 ng

RT: 12.916 min Scan# 1

Delta R.T. -0.018 min

Lab File: BF141242.D

Acq: 22 Jan 2025 18:24

Instrument :

BNA_F

ClientSampleId :

SU-4-012125

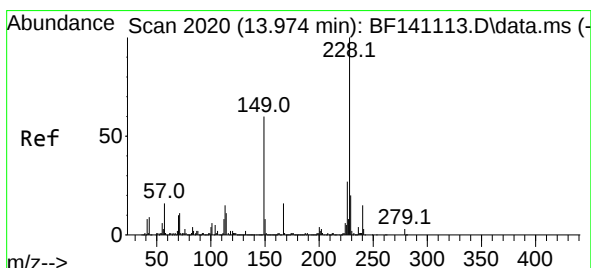
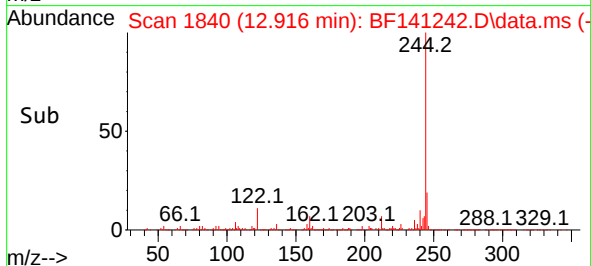
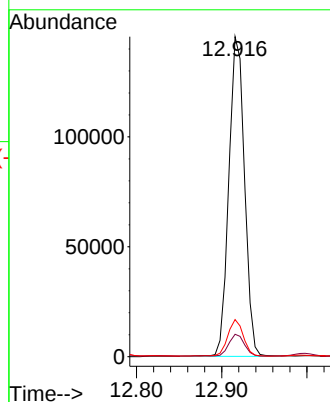
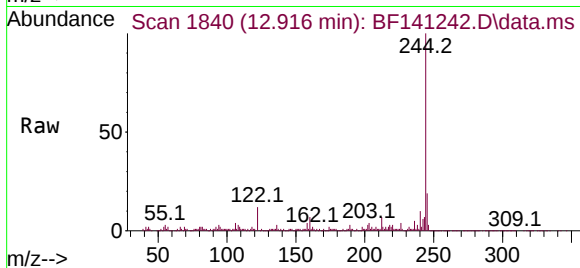
Tgt Ion:244 Resp: 186033

Ion Ratio Lower Upper

244 100

212 7.0 5.4 8.2

122 11.6 8.8 13.2



#81

Benzo(a)anthracene

Concen: 21.168 ng

RT: 13.963 min Scan# 2018

Delta R.T. -0.012 min

Lab File: BF141242.D

Acq: 22 Jan 2025 18:24

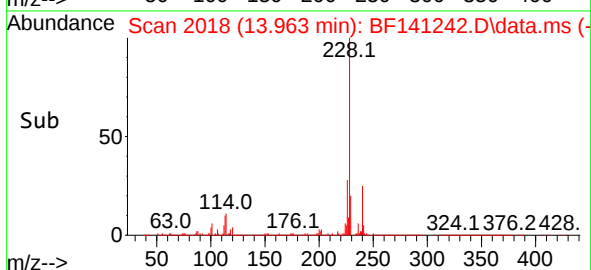
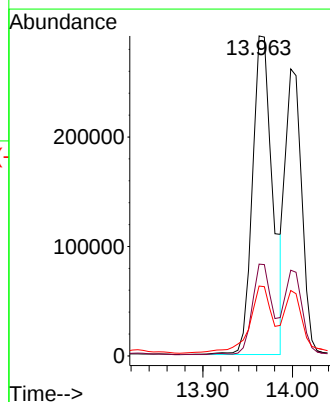
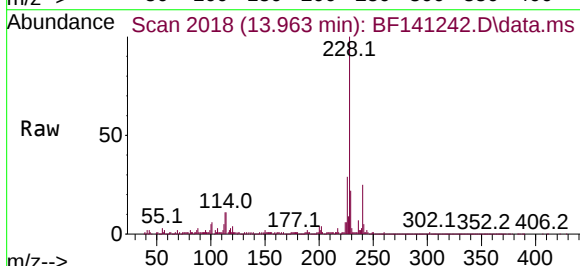
Tgt Ion:228 Resp: 455891

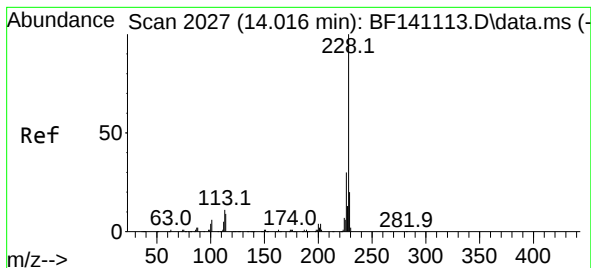
Ion Ratio Lower Upper

228 100

226 28.7 21.7 32.5

229 21.9 15.7 23.5





#83

Chrysene

Concen: 16.412 ng

RT: 13.998 min Scan# 20

Delta R.T. -0.018 min

Lab File: BF141242.D

Acq: 22 Jan 2025 18:24

Instrument :

BNA_F

ClientSampleId :

SU-4-012125

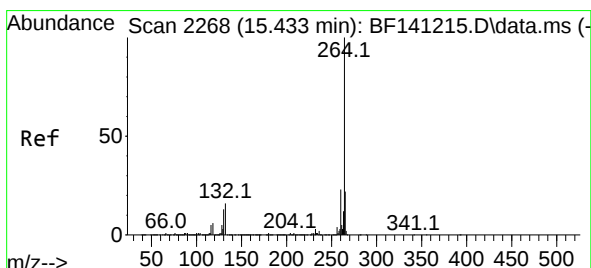
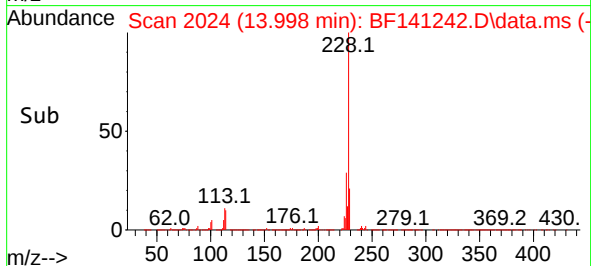
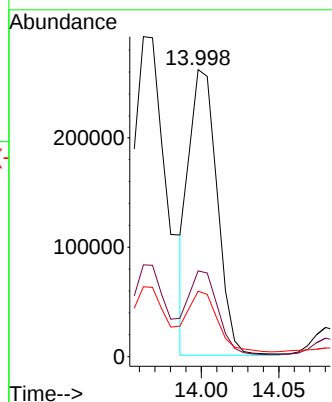
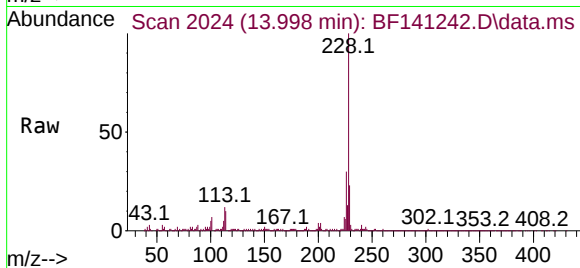
Tgt Ion:228 Resp: 330737

Ion Ratio Lower Upper

228 100

226 29.9 23.8 35.8

229 22.8 15.8 23.8



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.433 min Scan# 2268

Delta R.T. -0.006 min

Lab File: BF141242.D

Acq: 22 Jan 2025 18:24

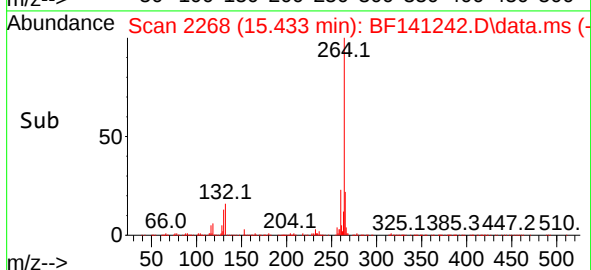
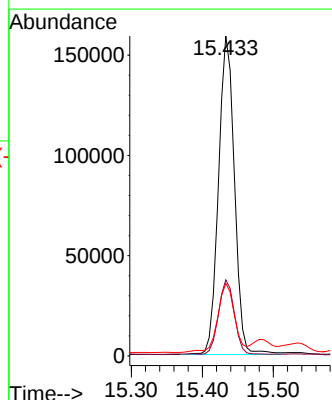
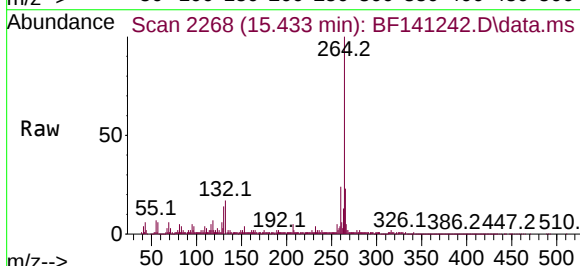
Tgt Ion:264 Resp: 247428

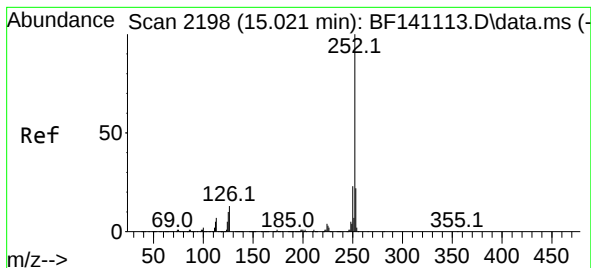
Ion Ratio Lower Upper

264 100

260 23.8 18.6 28.0

265 22.7 17.4 26.0





#88

Benzo(b)fluoranthene

Concen: 22.822 ng

RT: 15.015 min Scan# 2197

Delta R.T. -0.006 min

Lab File: BF141242.D

Acq: 22 Jan 2025 18:24

Instrument :

BNA_F

ClientSampleId :

SU-4-012125

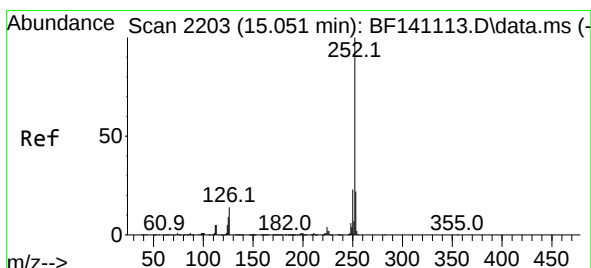
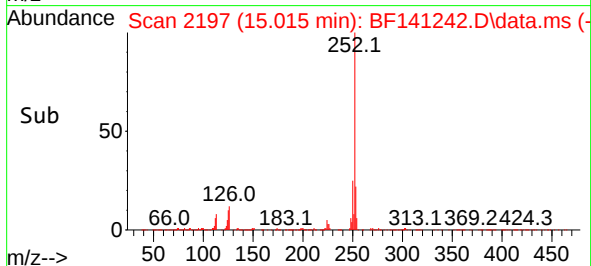
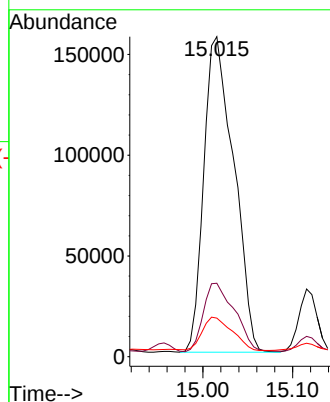
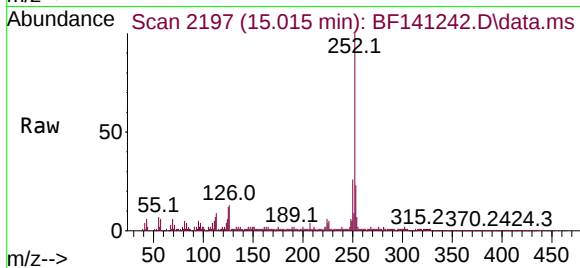
Tgt Ion:252 Resp: 364119

Ion Ratio Lower Upper

252 100

253 22.9 17.8 26.6

125 12.1 8.1 12.1



#89

Benzo(k)fluoranthene

Concen: 27.005 ng

RT: 15.015 min Scan# 2197

Delta R.T. -0.035 min

Lab File: BF141242.D

Acq: 22 Jan 2025 18:24

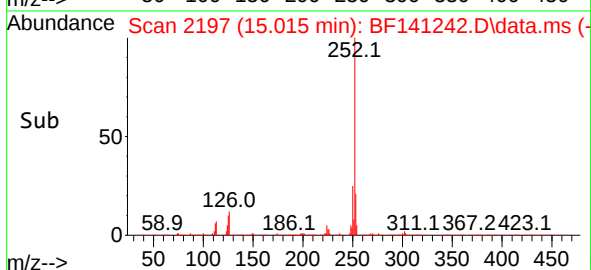
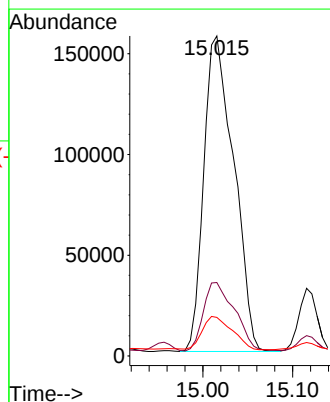
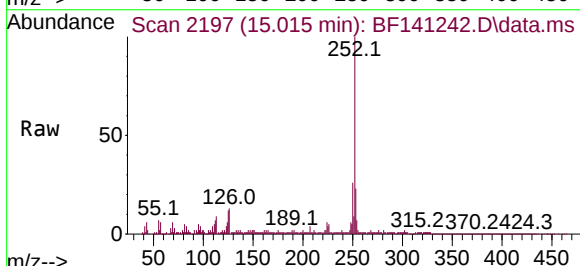
Tgt Ion:252 Resp: 364119

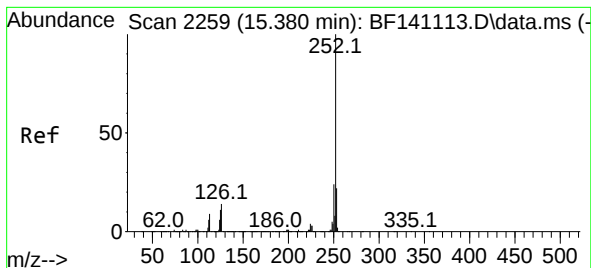
Ion Ratio Lower Upper

252 100

253 22.9 17.8 26.8

125 12.1 7.9 11.9#





#90

Benzo(a)pyrene

Concen: 16.240 ng

RT: 15.374 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF141242.D

Acq: 22 Jan 2025 18:24

Instrument :

BNA_F

ClientSampleId :

SU-4-012125

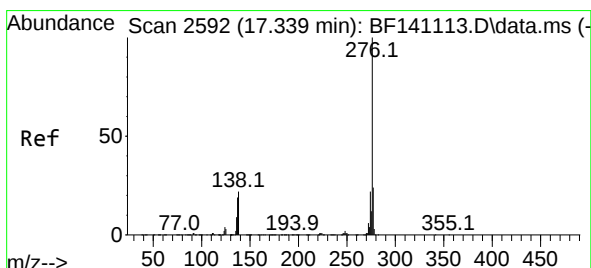
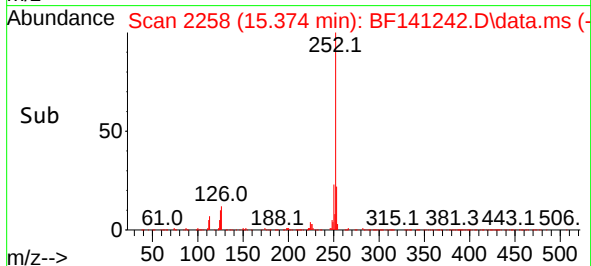
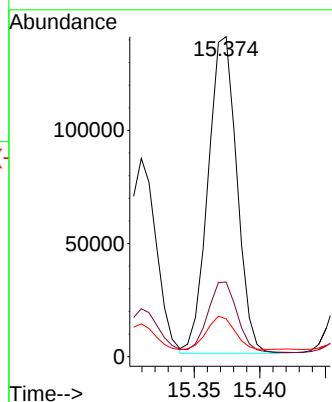
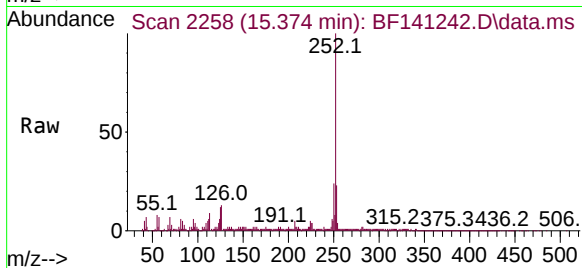
Tgt Ion:252 Resp: 213778

Ion Ratio Lower Upper

252 100

253 23.3 17.7 26.5

125 11.9 9.1 13.7



#92

Benzo(g,h,i)perylene

Concen: 5.333 ng

RT: 17.315 min Scan# 2588

Delta R.T. -0.024 min

Lab File: BF141242.D

Acq: 22 Jan 2025 18:24

Tgt Ion:276 Resp: 81328

Ion Ratio Lower Upper

276 100

277 25.3 19.0 28.4

138 22.8 17.4 26.2

