

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022425\
 Data File : BF141750.D
 Acq On : 24 Feb 2025 18:07
 Operator : RC/JU
 Sample : Q1413-01 2X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 BU-2-022125

Quant Time: Feb 25 00:10:38 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 06 16:58:59 2025
 Response via : Initial Calibration

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

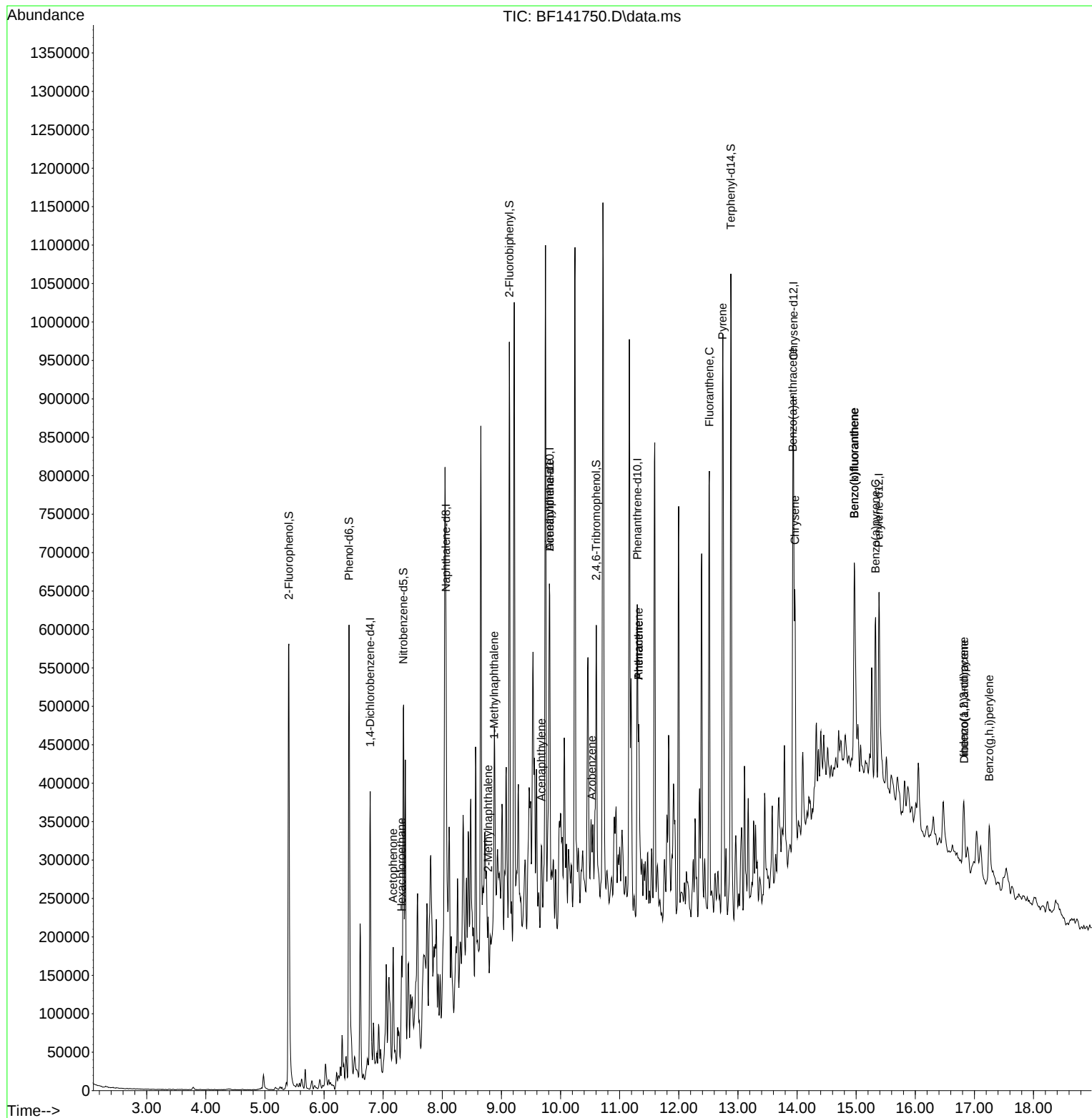
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.781	152	72892	20.000	ng	-0.01
21) Naphthalene-d8	8.063	136	250532	20.000	ng	#-0.01
39) Acenaphthene-d10	9.816	164	116427	20.000	ng	-0.02
64) Phenanthrene-d10	11.298	188	194945	20.000	ng	-0.02
76) Chrysene-d12	13.939	240	169892	20.000	ng	-0.02
86) Perylene-d12	15.386	264	126011	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.404	112	268506	57.750	ng	0.00
7) Phenol-d6	6.422	99	312931	53.251	ng	-0.02
23) Nitrobenzene-d5	7.340	82	194187	40.428	ng	-0.02
42) 2,4,6-Tribromophenol	10.604	330	61180	52.310	ng	-0.02
45) 2-Fluorobiphenyl	9.134	172	339255	44.893	ng	-0.02
79) Terphenyl-d14	12.880	244	406114	40.354	ng	-0.02
Target Compounds						Qvalue
18) Hexachloroethane	7.310	117	9154	4.564	ng	# 1
22) Acetophenone	7.169	105	24317	3.902	ng	# 44
37) 2-Methylnaphthalene	8.775	142	22119	2.606	ng	98
38) 1-Methylnaphthalene	8.875	142	17316	2.107	ng	86
49) Acenaphthylene	9.675	152	35987	3.625	ng	# 93
50) Dimethylphthalate	9.816	163	18849	2.385	ng	# 1
63) Azobenzene	10.528	77	15572	2.014	ng	# 1
71) Phenanthrene	11.322	178	119589	11.144	ng	99
72) Anthracene	11.322	178	119589	11.086	ng	99
75) Fluoranthene	12.516	202	339190	29.814	ng	99
78) Pyrene	12.739	202	395521	27.348	ng	99
81) Benzo(a)anthracene	13.927	228	198301	17.559	ng	94
83) Chrysene	13.963	228	188085	18.037	ng	97
87) Indeno(1,2,3-cd)pyrene	16.821	276	65384	8.398	ng	95
88) Benzo(b)fluoranthene	14.968	252	224241	26.503	ng	# 94
89) Benzo(k)fluoranthene	14.968	252	224241	31.037	ng	# 95
90) Benzo(a)pyrene	15.327	252	120505	17.601	ng	# 95
91) Dibenzo(a,h)anthracene	16.827	278	18585	2.946	ng	# 71
92) Benzo(g,h,i)perylene	17.251	276	67552	10.232	ng	93

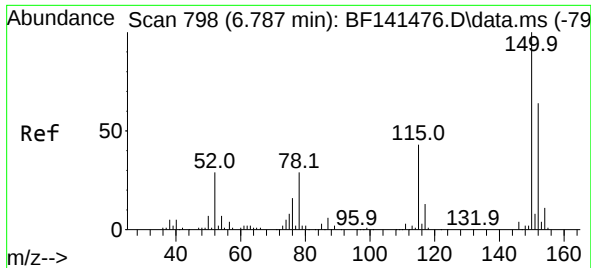
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc :
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Quant Time: Feb 25 00:10:38 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 16:58:59 2025
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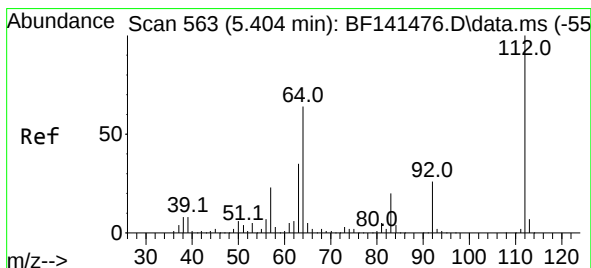
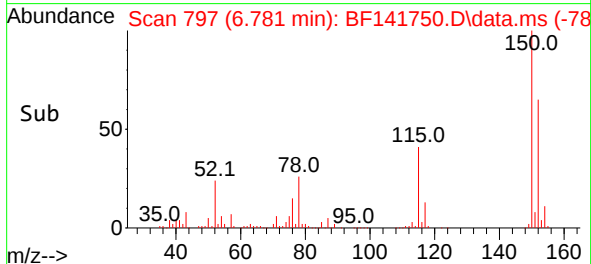
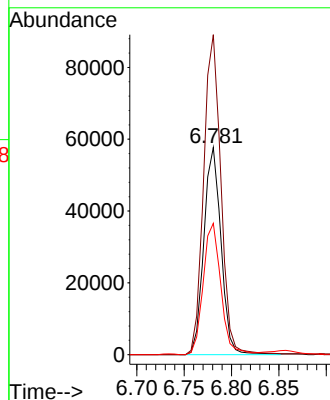
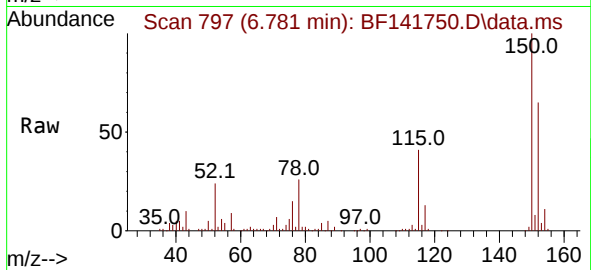




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.781 min Scan# 798
Delta R.T. -0.011 min
Lab File: BF141750.D
Acq: 24 Feb 2025 18:07

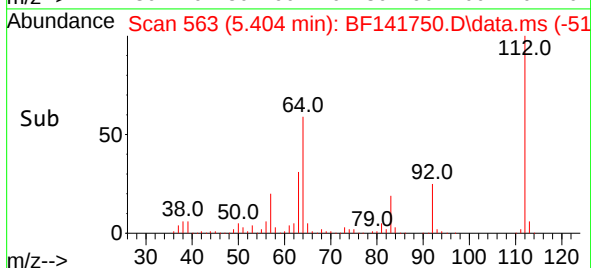
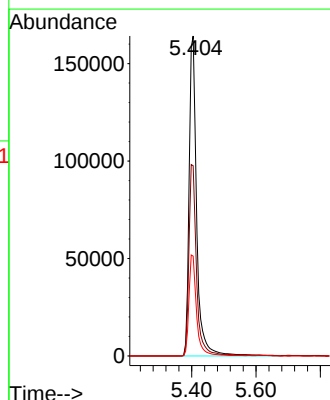
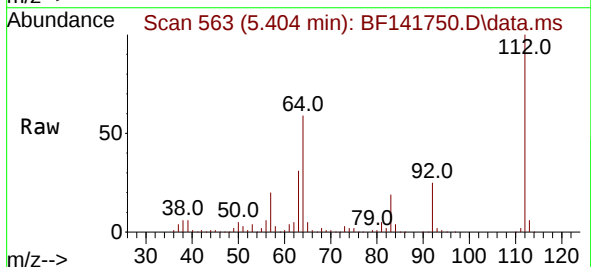
Instrument :
BNA_F
ClientSampleId :
BU-2-022125

Tgt Ion:152 Resp: 72892
Ion Ratio Lower Upper
152 100
150 154.5 125.0 187.4
115 63.4 53.6 80.4



#5
2-Fluorophenol
Concen: 57.750 ng
RT: 5.404 min Scan# 563
Delta R.T. -0.006 min
Lab File: BF141750.D
Acq: 24 Feb 2025 18:07

Tgt Ion:112 Resp: 268506
Ion Ratio Lower Upper
112 100
64 59.5 51.1 76.7
63 31.2 28.4 42.6

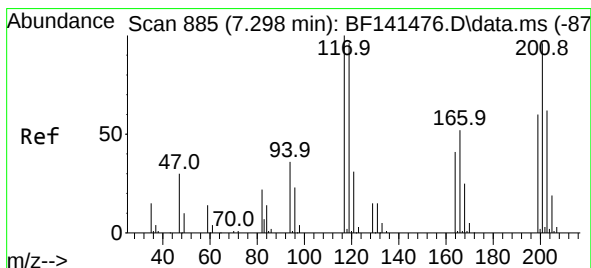
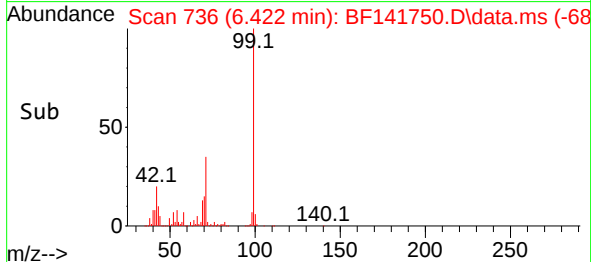
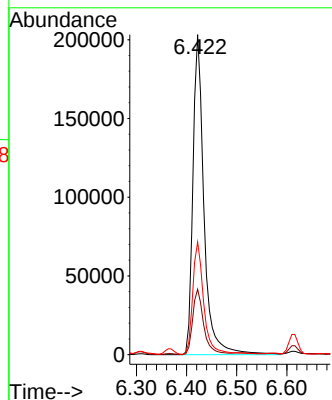
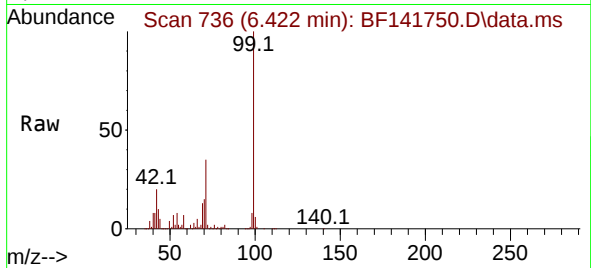




#7
Phenol-d6
Concen: 53.251 ng
RT: 6.422 min Scan# 71
Delta R.T. -0.017 min
Lab File: BF141750.D
Acq: 24 Feb 2025 18:07

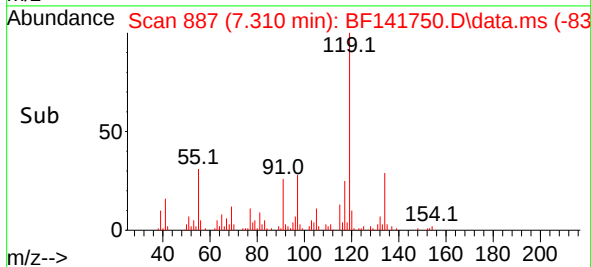
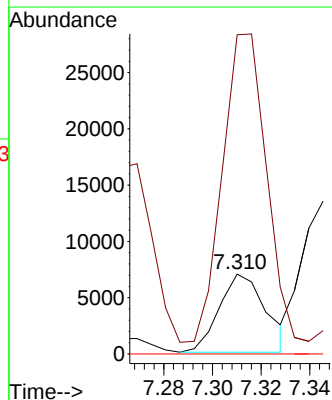
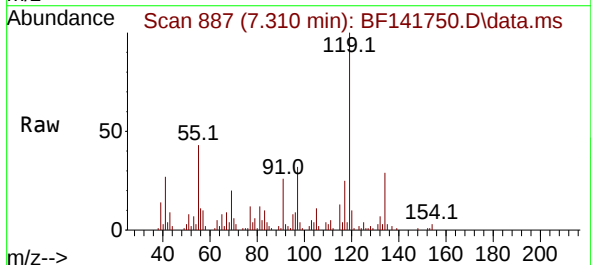
Instrument :
BNA_F
ClientSampleId :
BU-2-022125

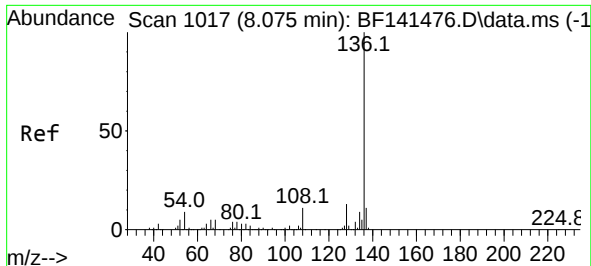
Tgt Ion: 99 Resp: 312931
Ion Ratio Lower Upper
99 100
42 20.5 19.1 28.7
71 35.2 31.1 46.7



#18
Hexachloroethane
Concen: 4.564 ng
RT: 7.310 min Scan# 887
Delta R.T. 0.006 min
Lab File: BF141750.D
Acq: 24 Feb 2025 18:07

Tgt Ion: 117 Resp: 9154
Ion Ratio Lower Upper
117 100
119 399.8 76.5 114.7#
201 0.0 76.7 115.1#

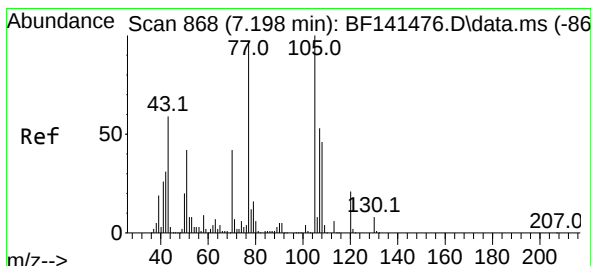
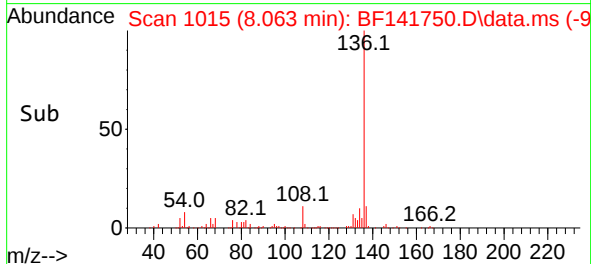
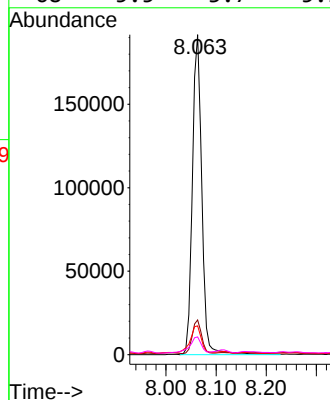
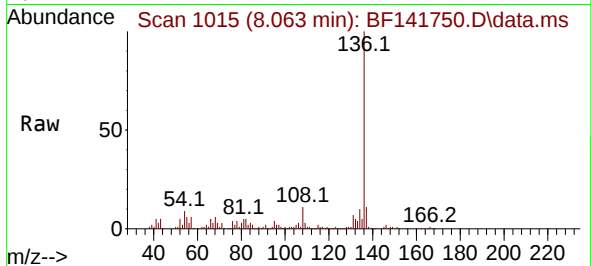




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.063 min Scan# 1015
Delta R.T. -0.012 min
Lab File: BF141750.D
Acq: 24 Feb 2025 18:07

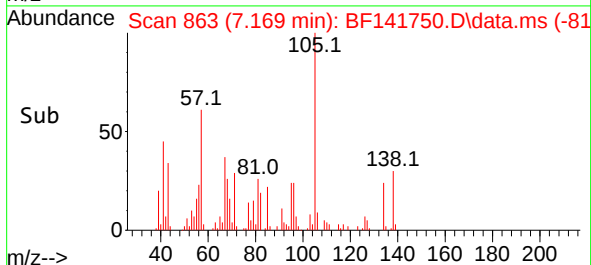
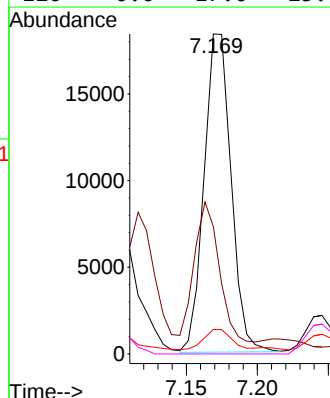
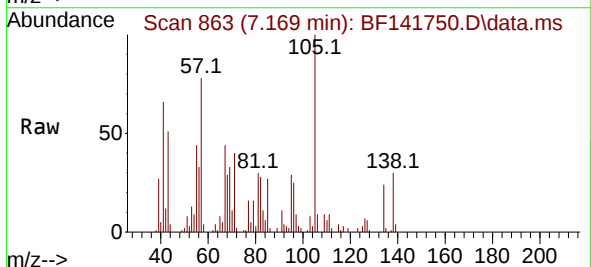
Instrument :
BNA_F
ClientSampleId :
BU-2-022125

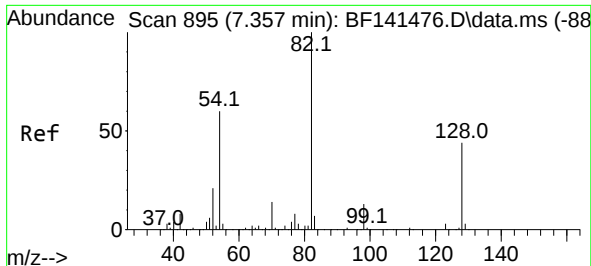
Tgt Ion:136 Resp: 250532
Ion Ratio Lower Upper
136 100
137 10.9 8.6 13.0
54 9.0 7.2 10.8
68 5.5 3.7 5.5#



#22
Acetophenone
Concen: 3.902 ng
RT: 7.169 min Scan# 863
Delta R.T. -0.041 min
Lab File: BF141750.D
Acq: 24 Feb 2025 18:07

Tgt Ion:105 Resp: 24317
Ion Ratio Lower Upper
105 100
71 39.9 5.7 8.5#
51 7.6 33.7 50.5#
120 0.0 17.0 25.6#





#23

Nitrobenzene-d5

Concen: 40.428 ng

RT: 7.340 min Scan# 89

Delta R.T. -0.023 min

Lab File: BF141750.D

Acq: 24 Feb 2025 18:07

Instrument :

BNA_F

ClientSampleId :

BU-2-022125

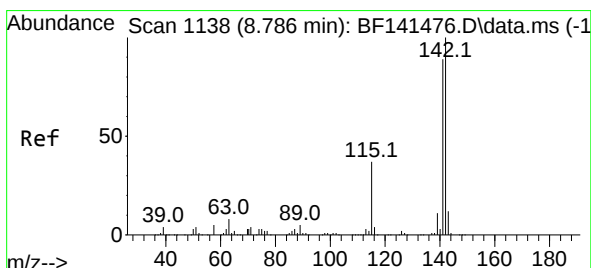
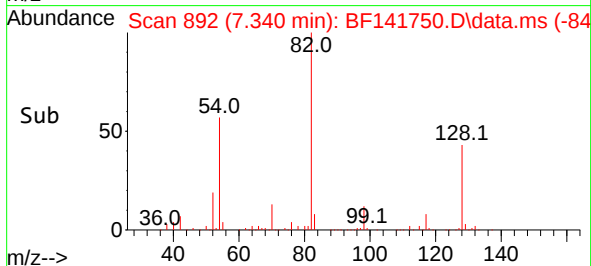
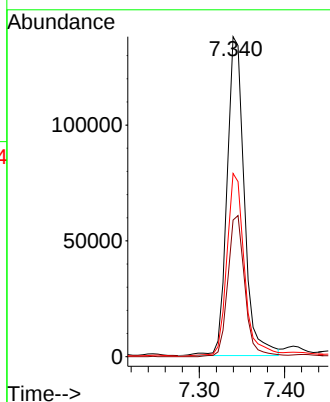
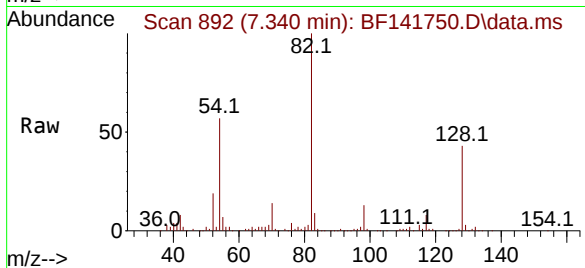
Tgt Ion: 82 Resp: 194187

Ion Ratio Lower Upper

82 100

128 42.7 34.8 52.2

54 57.3 48.2 72.4



#37

2-Methylnaphthalene

Concen: 2.606 ng

RT: 8.775 min Scan# 1136

Delta R.T. -0.012 min

Lab File: BF141750.D

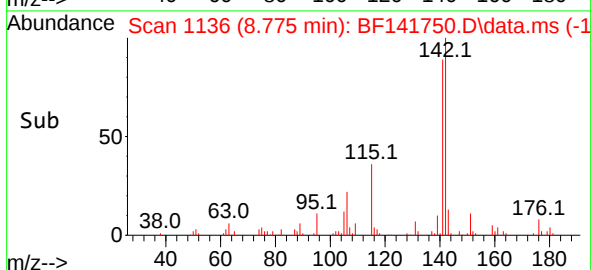
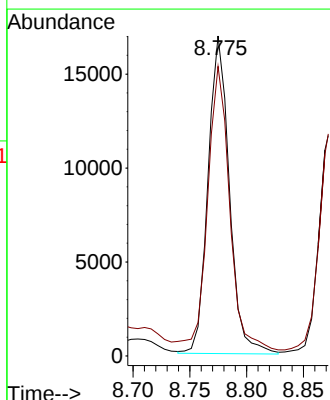
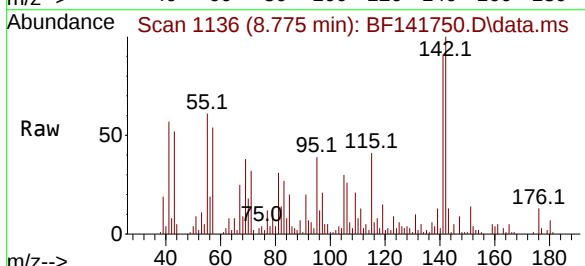
Acq: 24 Feb 2025 18:07

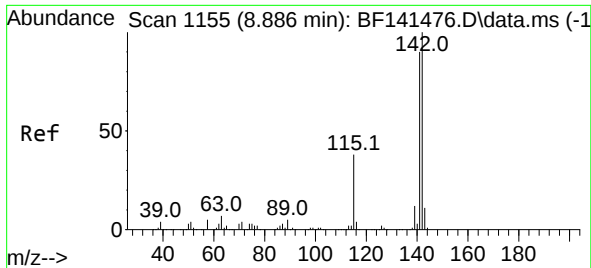
Tgt Ion:142 Resp: 22119

Ion Ratio Lower Upper

142 100

141 90.5 71.2 106.8

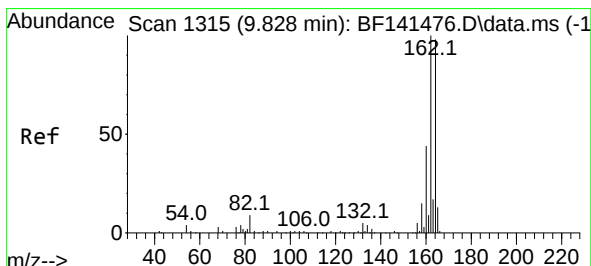
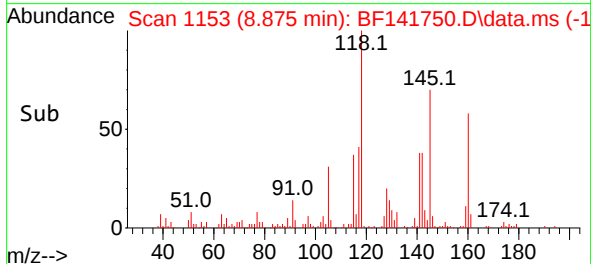
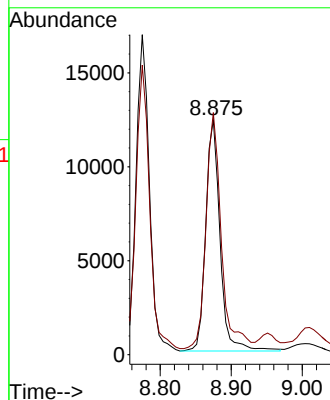
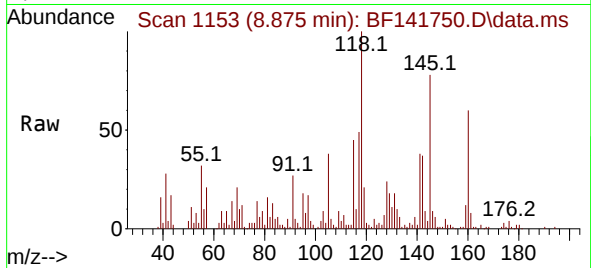




#38
1-Methylnaphthalene
Concen: 2.107 ng
RT: 8.875 min Scan# 1155
Delta R.T. -0.012 min
Lab File: BF141750.D
Acq: 24 Feb 2025 18:07

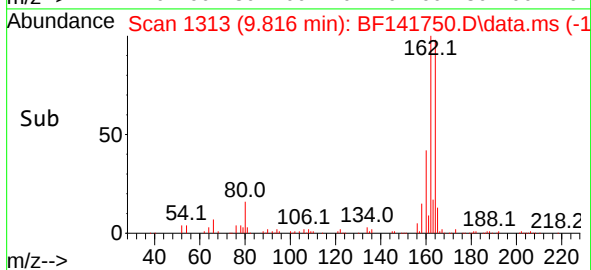
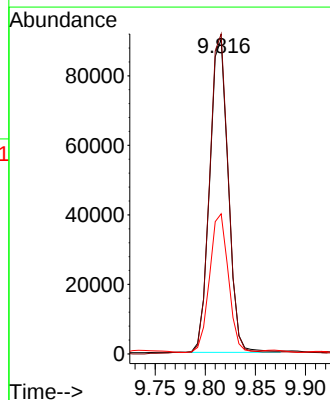
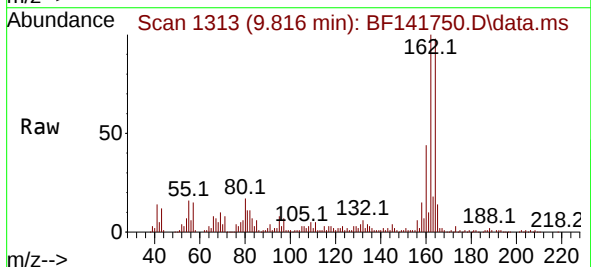
Instrument :
BNA_F
ClientSampleId :
BU-2-022125

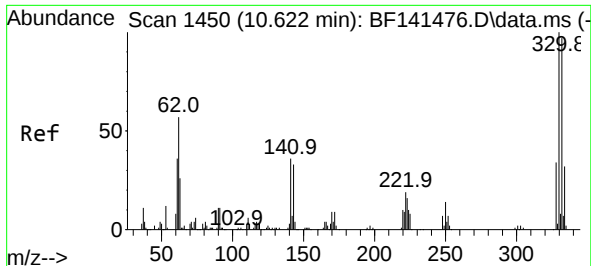
Tgt Ion:142 Resp: 17316
Ion Ratio Lower Upper
142 100
141 103.1 72.1 108.1



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.816 min Scan# 1313
Delta R.T. -0.017 min
Lab File: BF141750.D
Acq: 24 Feb 2025 18:07

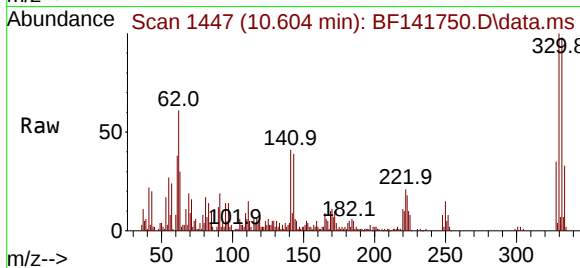
Tgt Ion:164 Resp: 116427
Ion Ratio Lower Upper
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162 101.7 81.3 121.9
160 44.5 35.9 53.9



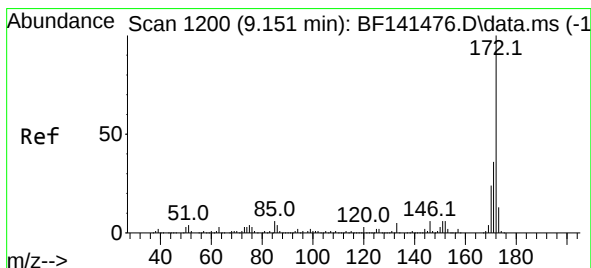
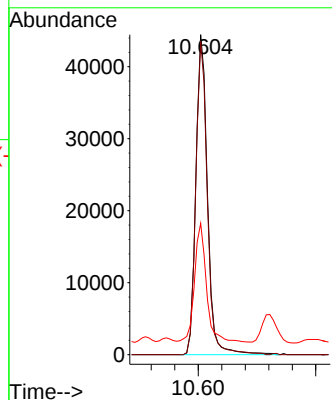
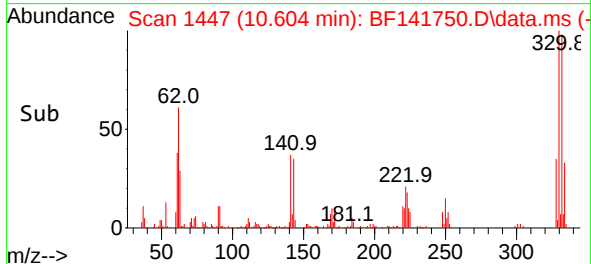


#42
2,4,6-Tribromophenol
Concen: 52.310 ng
RT: 10.604 min Scan# 1447
Delta R.T. -0.023 min
Lab File: BF141750.D
Acq: 24 Feb 2025 18:07

Instrument :
BNA_F
ClientSampleId :
BU-2-022125

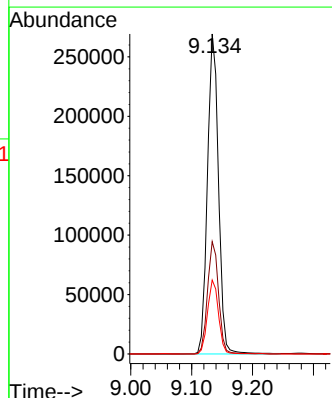
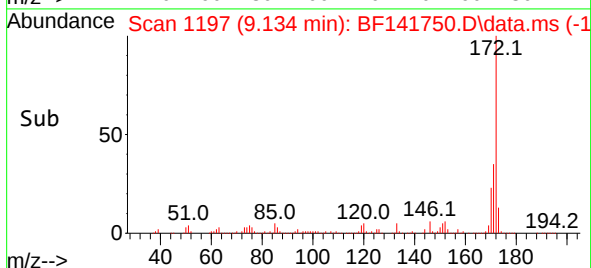
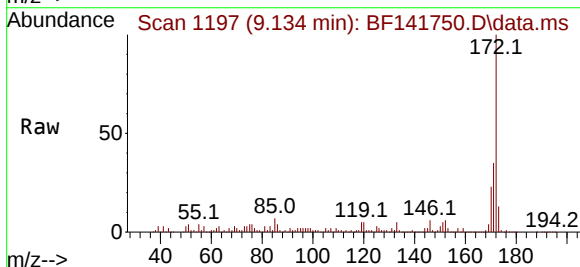


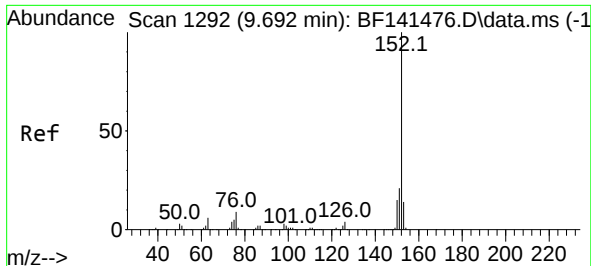
Tgt Ion:330 Resp: 61180
Ion Ratio Lower Upper
330 100
332 96.8 78.5 117.7
141 37.9 31.0 46.4



#45
2-Fluorobiphenyl
Concen: 44.893 ng
RT: 9.134 min Scan# 1197
Delta R.T. -0.017 min
Lab File: BF141750.D
Acq: 24 Feb 2025 18:07

Tgt Ion:172 Resp: 339255
Ion Ratio Lower Upper
172 100
171 35.1 28.7 43.1
170 23.1 18.9 28.3

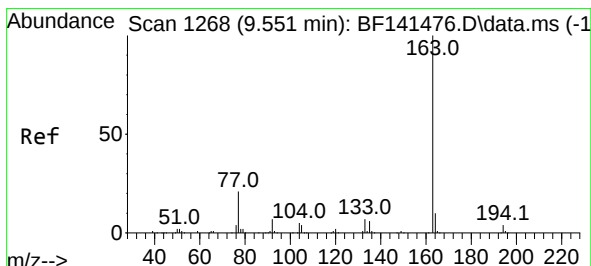
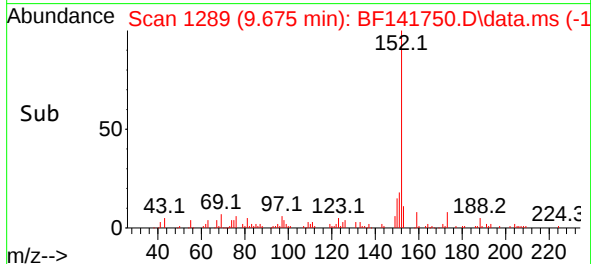
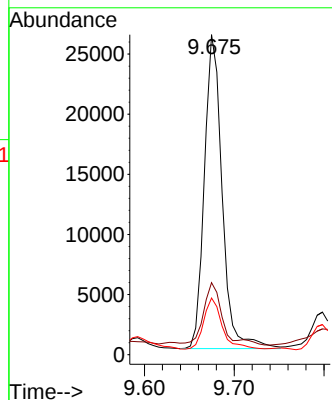
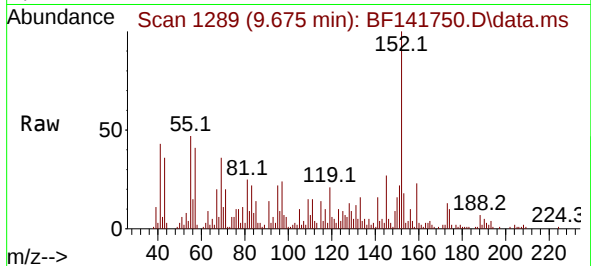




#49
Acenaphthylene
Concen: 3.625 ng
RT: 9.675 min Scan# 11
Delta R.T. -0.017 min
Lab File: BF141750.D
Acq: 24 Feb 2025 18:07

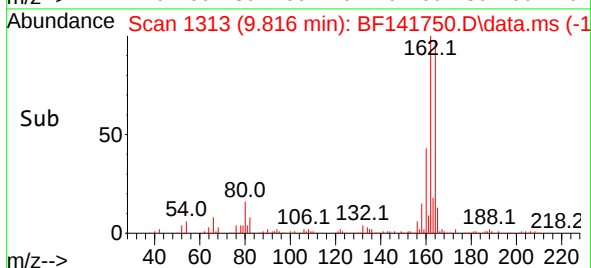
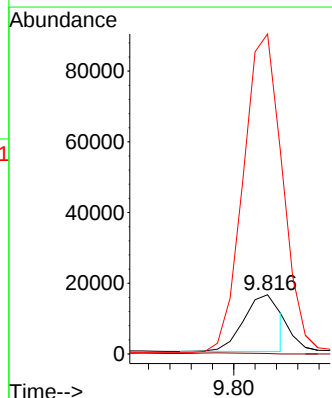
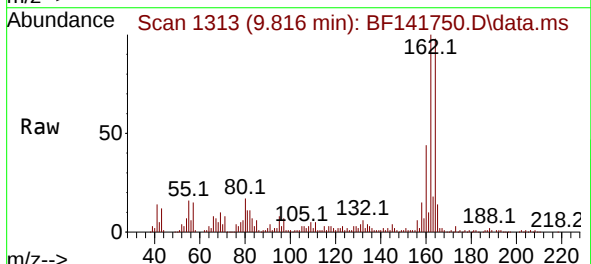
Instrument :
BNA_F
ClientSampleId :
BU-2-022125

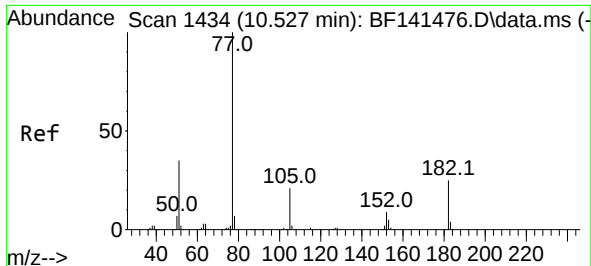
Tgt Ion:152 Resp: 35987
Ion Ratio Lower Upper
152 100
151 22.5 16.4 24.6
153 17.7 10.9 16.3#



#50
Dimethylphthalate
Concen: 2.385 ng
RT: 9.816 min Scan# 1313
Delta R.T. 0.253 min
Lab File: BF141750.D
Acq: 24 Feb 2025 18:07

Tgt Ion:163 Resp: 18849
Ion Ratio Lower Upper
163 100
194 0.9 3.0 4.4#
164 540.1 7.9 11.9#

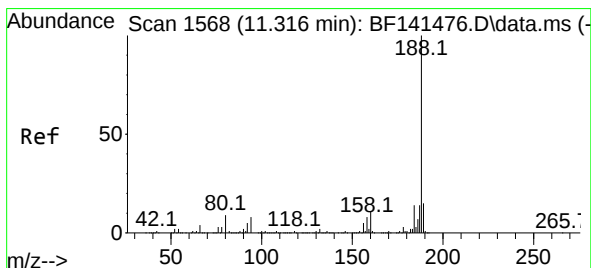
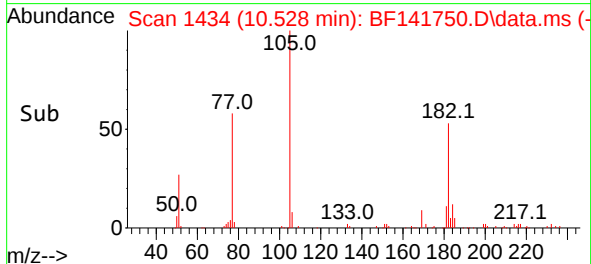
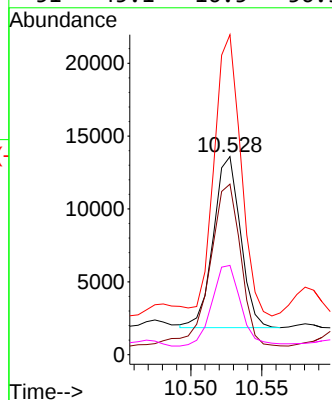
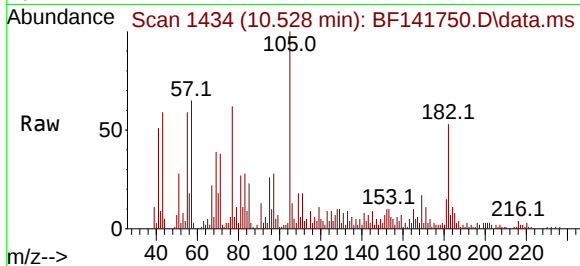




#63
Azobenzene
Concen: 2.014 ng
RT: 10.528 min Scan# 1434
Delta R.T. -0.006 min
Lab File: BF141750.D
Acq: 24 Feb 2025 18:07

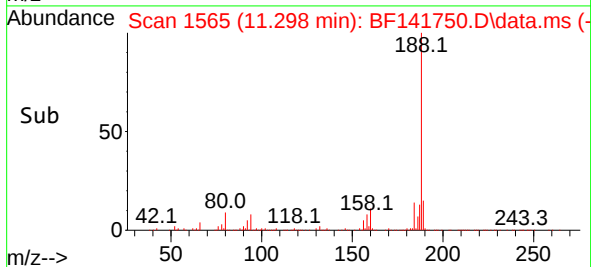
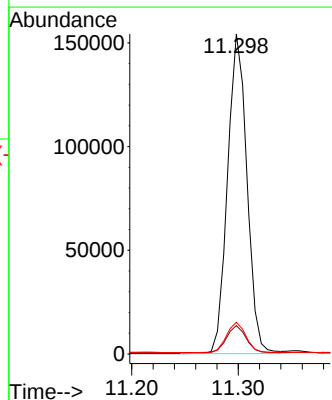
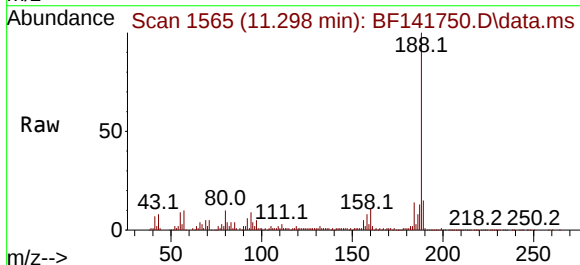
Instrument :
BNA_F
ClientSampleId :
BU-2-022125

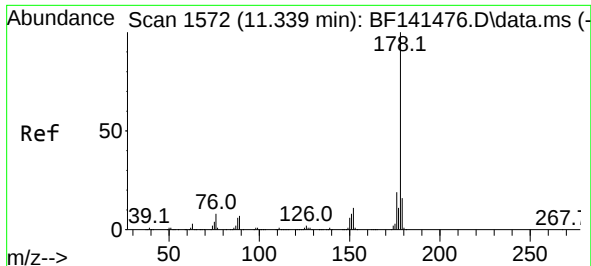
Tgt Ion: 77	Resp: 15572
Ion Ratio	Lower Upper
77 100	
182 86.1	4.7 44.7#
105 161.5	0.4 40.4#
51 45.1	16.5 56.5



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.298 min Scan# 1565
Delta R.T. -0.017 min
Lab File: BF141750.D
Acq: 24 Feb 2025 18:07

Tgt Ion: 188	Resp: 194945
Ion Ratio	Lower Upper
188 100	
94 8.8	6.6 10.0
80 9.9	7.3 10.9

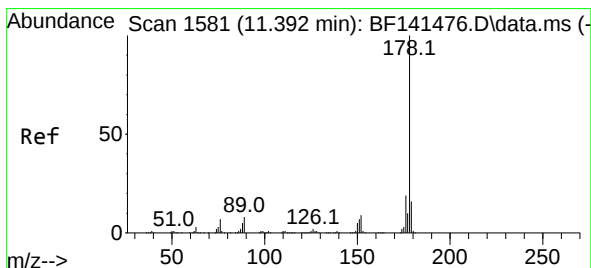
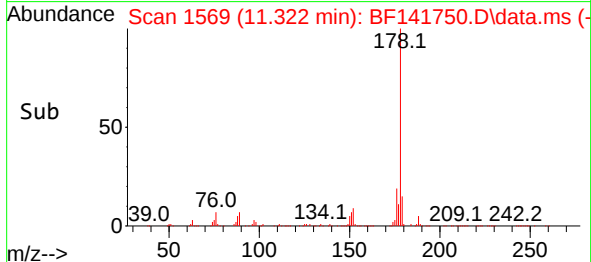
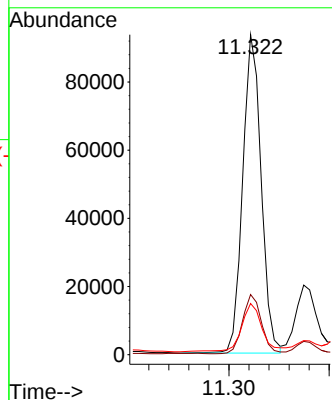
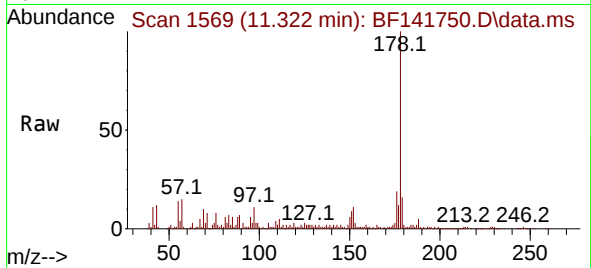




#71
Phenanthrene
Concen: 11.144 ng
RT: 11.322 min Scan# 1569
Delta R.T. -0.023 min
Lab File: BF141750.D
Acq: 24 Feb 2025 18:07

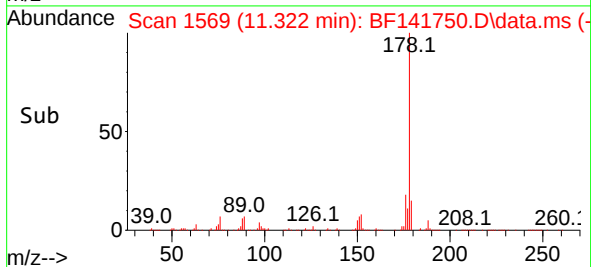
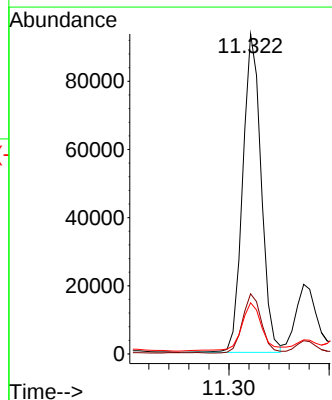
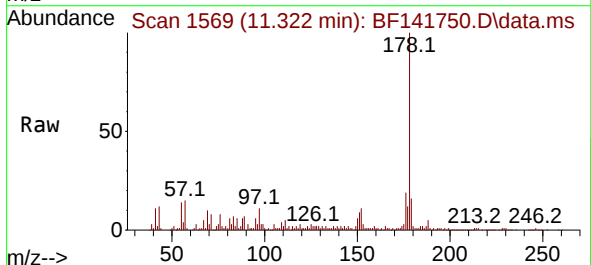
Instrument :
BNA_F
ClientSampleId :
BU-2-022125

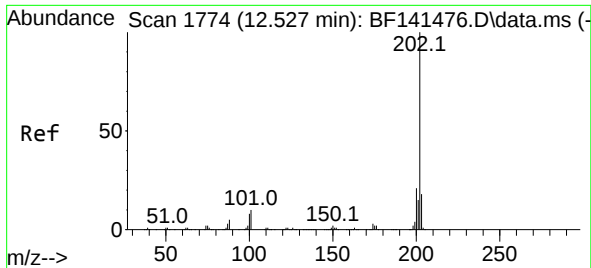
Tgt Ion:178 Resp: 119589
Ion Ratio Lower Upper
178 100
176 18.8 15.4 23.0
179 16.0 12.4 18.6



#72
Anthracene
Concen: 11.086 ng
RT: 11.322 min Scan# 1569
Delta R.T. -0.076 min
Lab File: BF141750.D
Acq: 24 Feb 2025 18:07

Tgt Ion:178 Resp: 119589
Ion Ratio Lower Upper
178 100
176 18.8 14.8 22.2
179 16.0 12.4 18.6

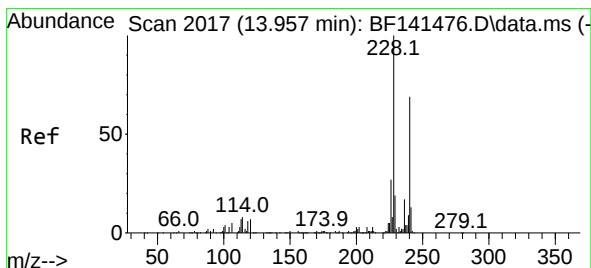
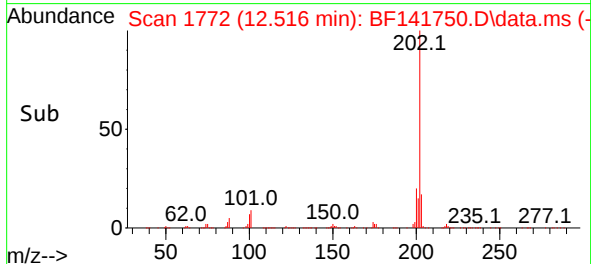
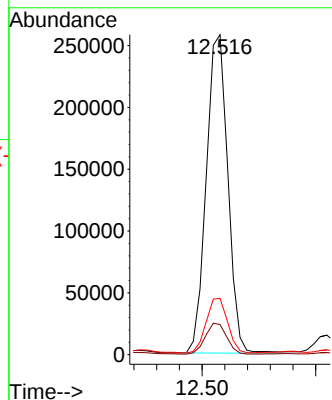
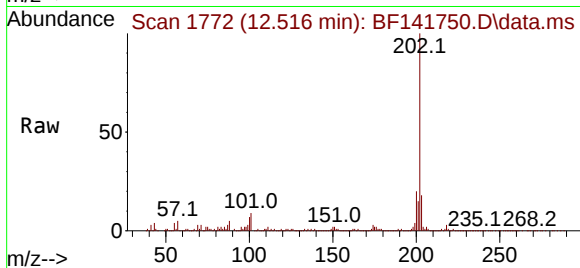




#75
Fluoranthene
Concen: 29.814 ng
RT: 12.516 min Scan# 1
Delta R.T. -0.017 min
Lab File: BF141750.D
Acq: 24 Feb 2025 18:07

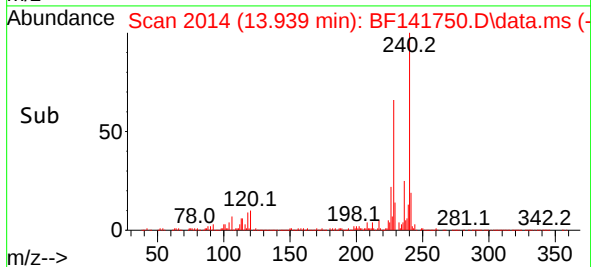
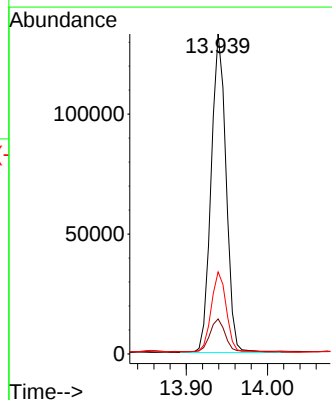
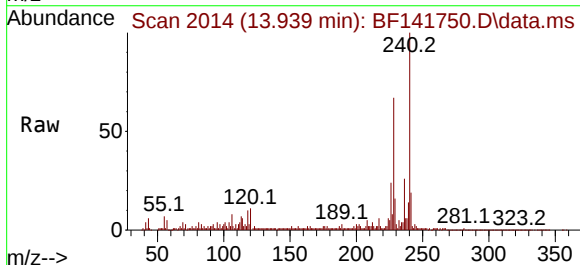
Instrument :
BNA_F
ClientSampleId :
BU-2-022125

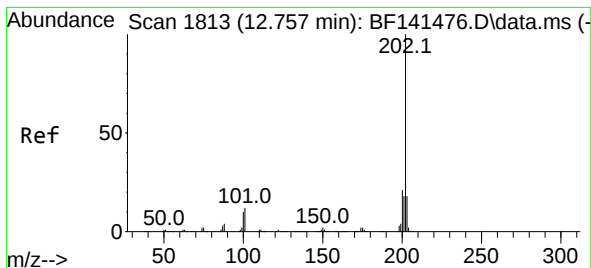
Tgt Ion:202 Resp: 339190
Ion Ratio Lower Upper
202 100
101 9.4 0.0 30.2
203 17.6 0.0 37.6



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.939 min Scan# 2014
Delta R.T. -0.023 min
Lab File: BF141750.D
Acq: 24 Feb 2025 18:07

Tgt Ion:240 Resp: 169892
Ion Ratio Lower Upper
240 100
120 11.0 8.0 12.0
236 25.6 19.8 29.8





#78

Pyrene

Concen: 27.348 ng

RT: 12.739 min Scan# 1810

Delta R.T. -0.023 min

Lab File: BF141750.D

Acq: 24 Feb 2025 18:07

Instrument :

BNA_F

ClientSampleId :

BU-2-022125

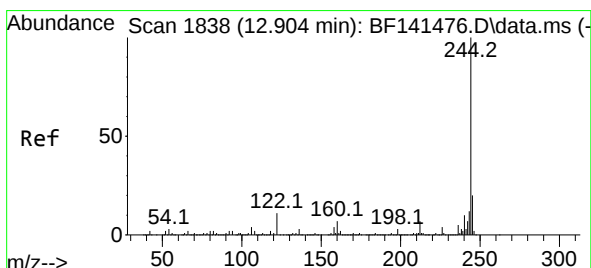
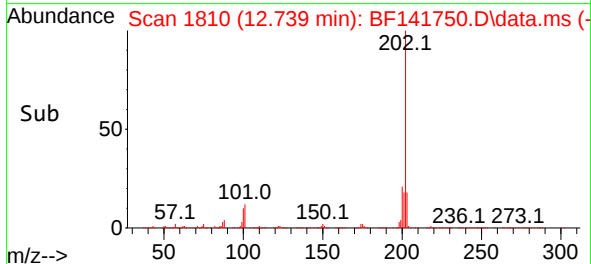
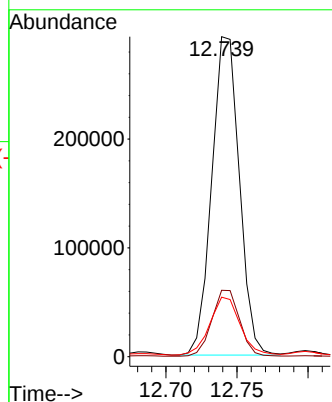
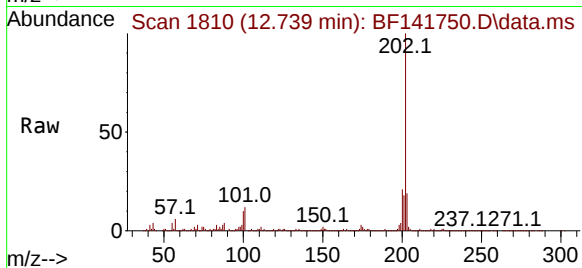
Tgt Ion:202 Resp: 395521

Ion Ratio Lower Upper

202 100

200 20.8 17.0 25.4

203 18.6 14.3 21.5



#79

Terphenyl-d14

Concen: 40.354 ng

RT: 12.880 min Scan# 1834

Delta R.T. -0.023 min

Lab File: BF141750.D

Acq: 24 Feb 2025 18:07

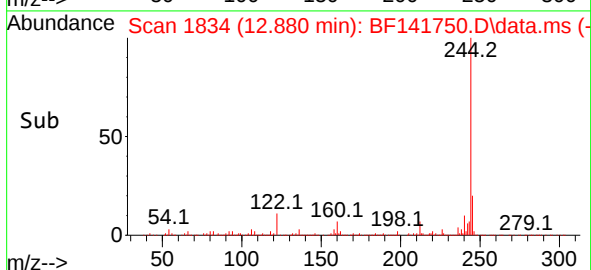
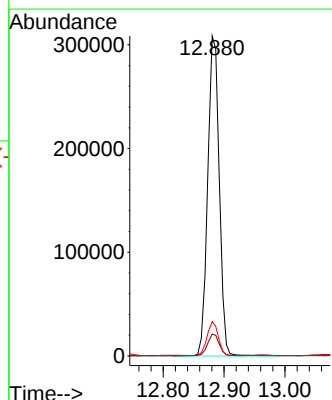
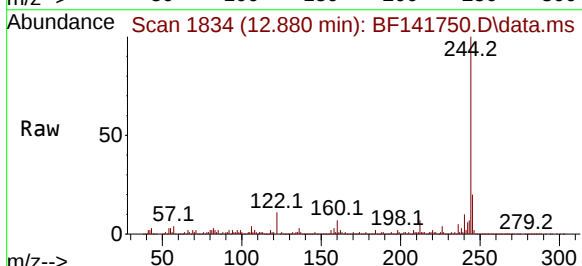
Tgt Ion:244 Resp: 406114

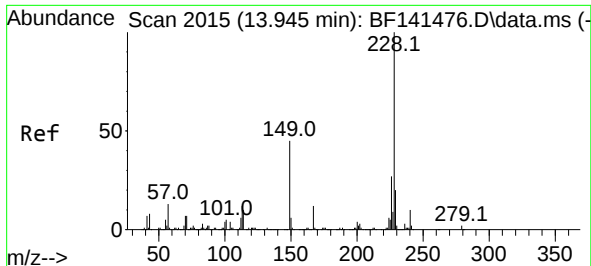
Ion Ratio Lower Upper

244 100

212 6.8 5.6 8.4

122 10.8 8.4 12.6

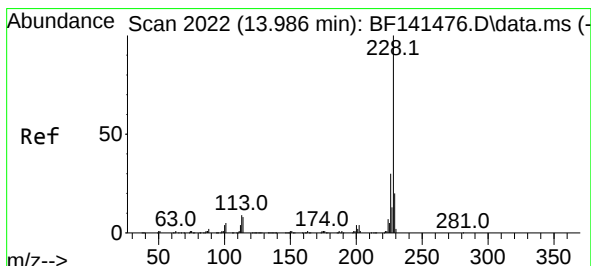
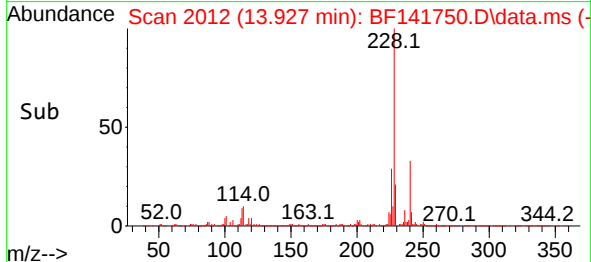
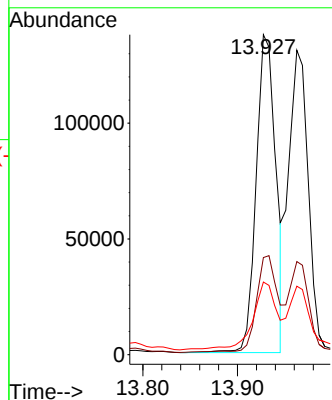
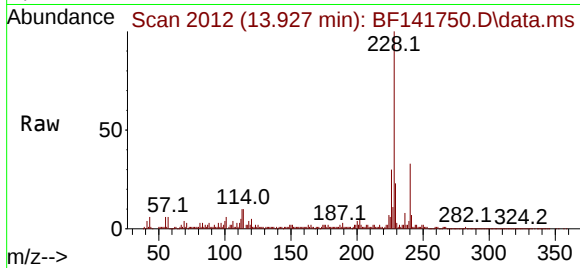




#81
Benzo(a)anthracene
Concen: 17.559 ng
RT: 13.927 min Scan# 2018
Delta R.T. -0.023 min
Lab File: BF141750.D
Acq: 24 Feb 2025 18:07

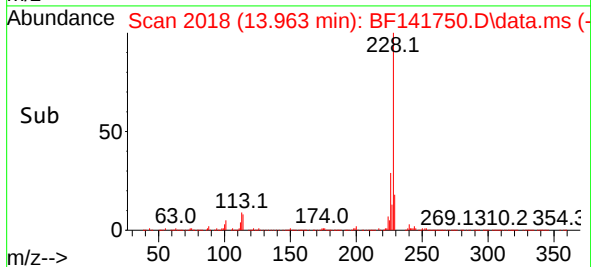
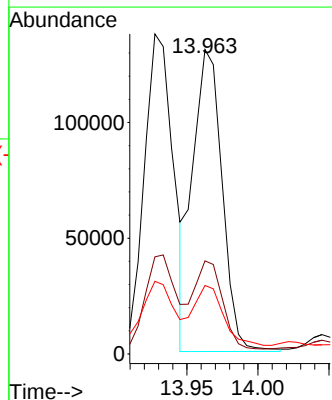
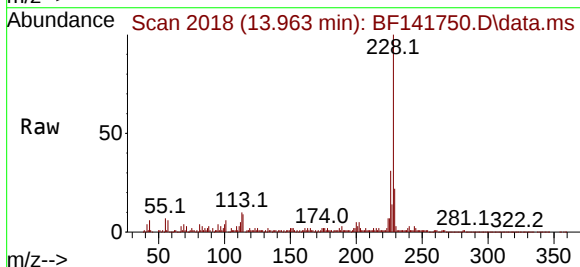
Instrument :
BNA_F
ClientSampleId :
BU-2-022125

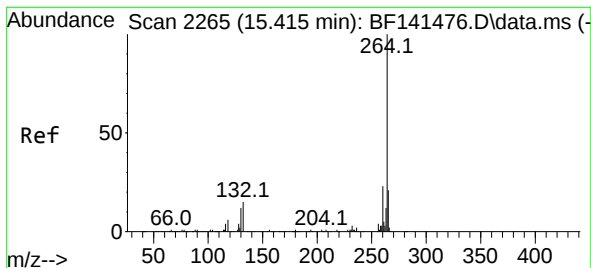
Tgt Ion:228 Resp: 198301
Ion Ratio Lower Upper
228 100
226 30.3 21.8 32.8
229 22.7 15.8 23.6



#83
Chrysene
Concen: 18.037 ng
RT: 13.963 min Scan# 2018
Delta R.T. -0.029 min
Lab File: BF141750.D
Acq: 24 Feb 2025 18:07

Tgt Ion:228 Resp: 188085
Ion Ratio Lower Upper
228 100
226 30.6 24.0 36.0
229 22.5 15.7 23.5





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.386 min Scan# 21

Delta R.T. -0.029 min

Lab File: BF141750.D

Acq: 24 Feb 2025 18:07

Instrument :

BNA_F

ClientSampleId :

BU-2-022125

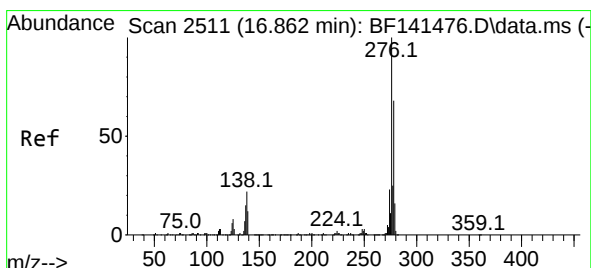
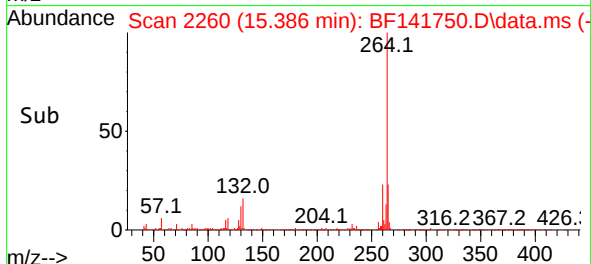
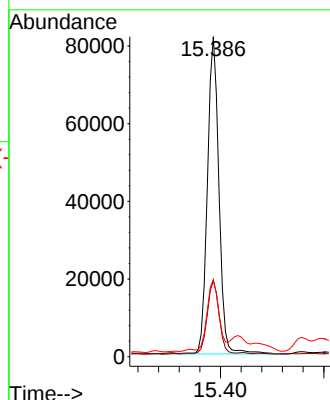
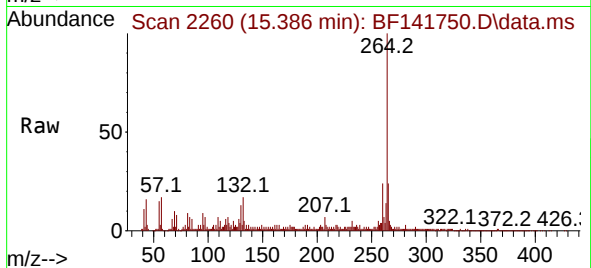
Tgt Ion:264 Resp: 126011

Ion Ratio Lower Upper

264 100

260 23.7 18.6 28.0

265 24.1 17.0 25.4



#87

Indeno(1,2,3-cd)pyrene

Concen: 8.398 ng

RT: 16.821 min Scan# 2504

Delta R.T. -0.053 min

Lab File: BF141750.D

Acq: 24 Feb 2025 18:07

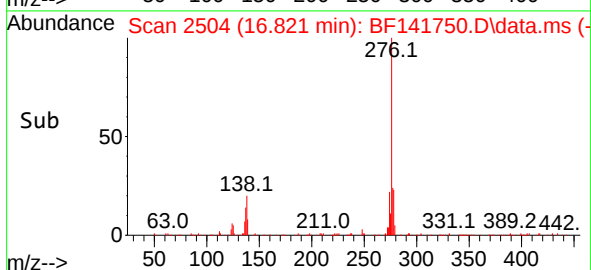
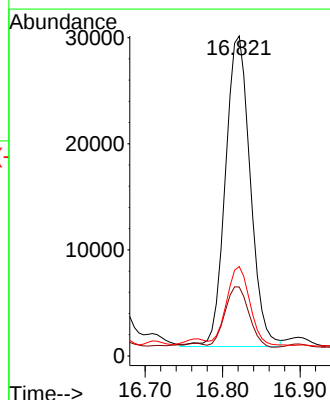
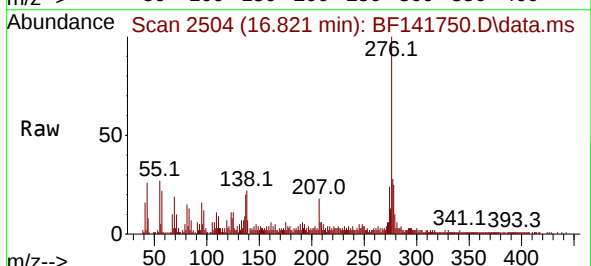
Tgt Ion:276 Resp: 65384

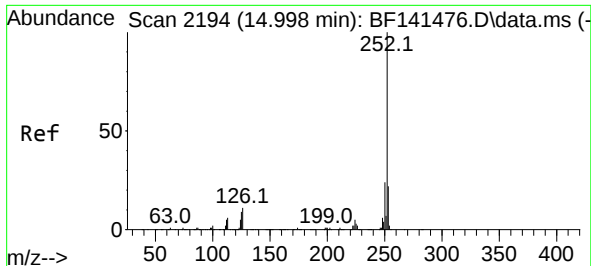
Ion Ratio Lower Upper

276 100

138 18.9 18.0 27.0

277 24.0 20.4 30.6

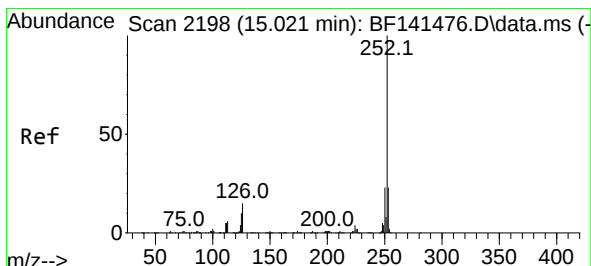
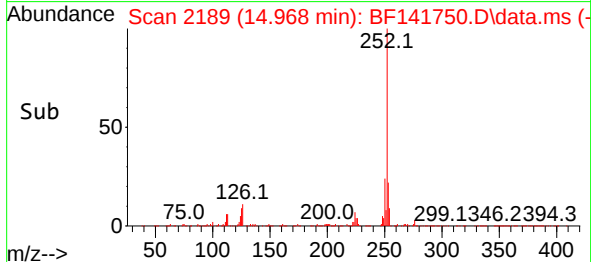
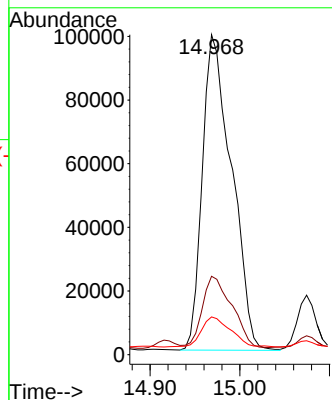
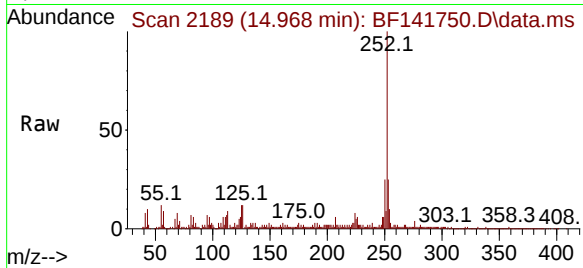




#88
Benzo(b)fluoranthene
Concen: 26.503 ng
RT: 14.968 min Scan# 2189
Delta R.T. -0.035 min
Lab File: BF141750.D
Acq: 24 Feb 2025 18:07

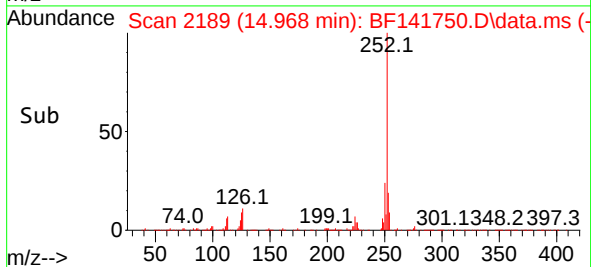
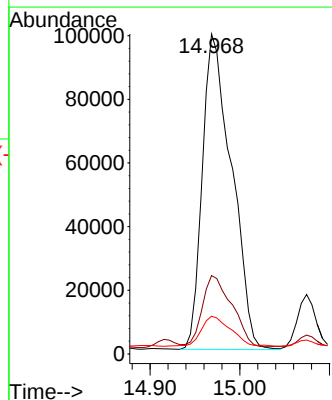
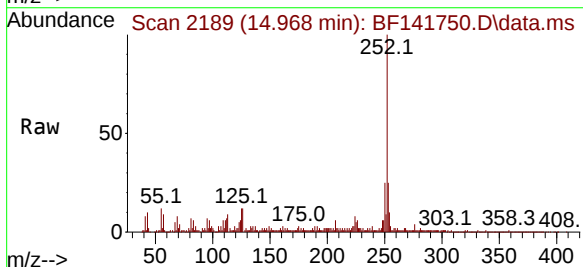
Instrument :
BNA_F
ClientSampleId :
BU-2-022125

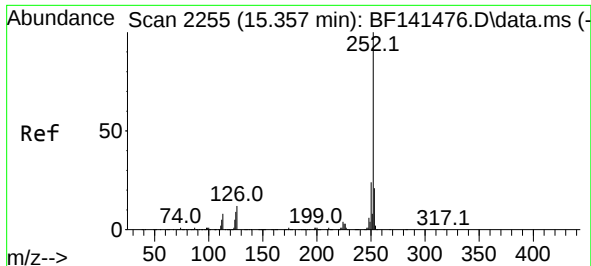
Tgt Ion:252 Resp: 224241
Ion Ratio Lower Upper
252 100
253 24.5 17.5 26.3
125 11.8 7.0 10.6#



#89
Benzo(k)fluoranthene
Concen: 31.037 ng
RT: 14.968 min Scan# 2189
Delta R.T. -0.065 min
Lab File: BF141750.D
Acq: 24 Feb 2025 18:07

Tgt Ion:252 Resp: 224241
Ion Ratio Lower Upper
252 100
253 24.5 18.0 27.0
125 11.8 7.4 11.0#

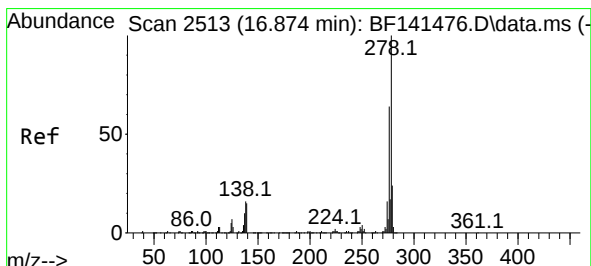
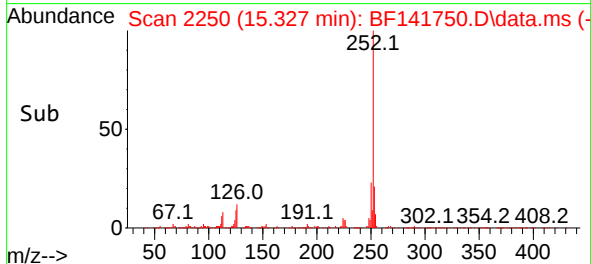
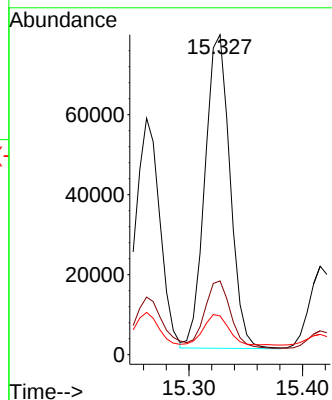
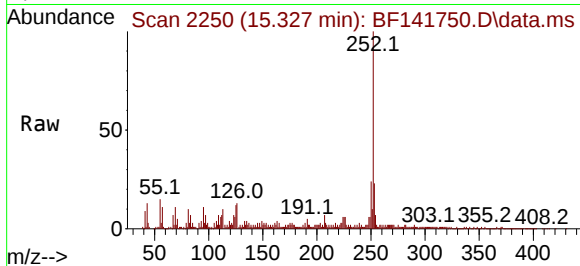




#90
Benzo(a)pyrene
Concen: 17.601 ng
RT: 15.327 min Scan# 21
Delta R.T. -0.035 min
Lab File: BF141750.D
Acq: 24 Feb 2025 18:07

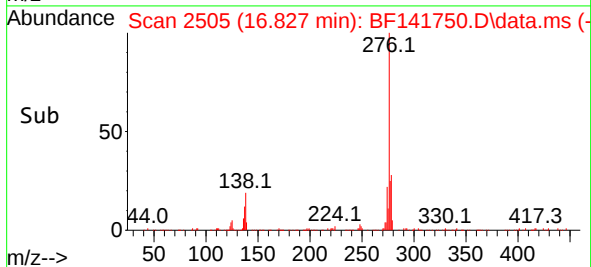
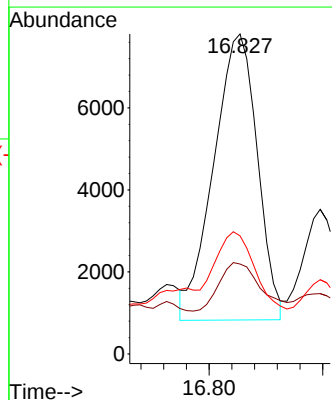
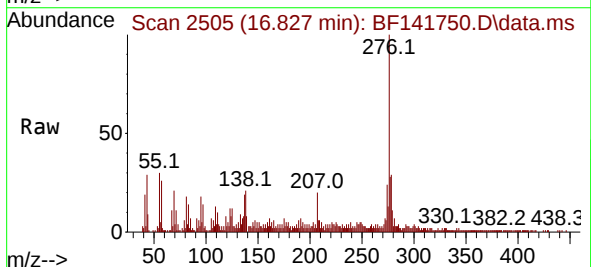
Instrument :
BNA_F
ClientSampleId :
BU-2-022125

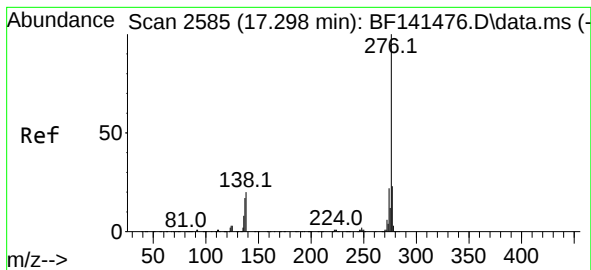
Tgt Ion:252 Resp: 120505
Ion Ratio Lower Upper
252 100
253 23.1 17.1 25.7
125 12.1 7.4 11.2#



#91
Dibenzo(a,h)anthracene
Concen: 2.946 ng
RT: 16.827 min Scan# 2505
Delta R.T. -0.064 min
Lab File: BF141750.D
Acq: 24 Feb 2025 18:07

Tgt Ion:278 Resp: 18585
Ion Ratio Lower Upper
278 100
139 28.1 11.8 17.6#
279 36.9 19.1 28.7#





#92

Benzo(g,h,i)perylene

Concen: 10.232 ng

RT: 17.251 min Scan# 2

Delta R.T. -0.064 min

Lab File: BF141750.D

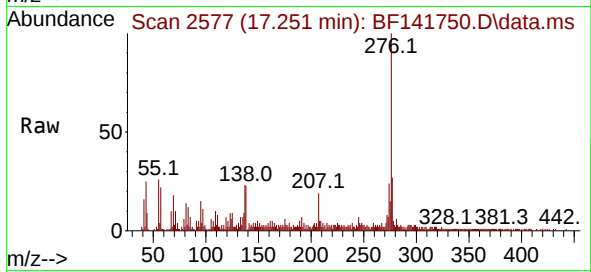
Acq: 24 Feb 2025 18:07

Instrument :

BNA_F

ClientSampleId :

BU-2-022125



Tgt Ion:276 Resp: 67552

Ion Ratio Lower Upper

276 100

277 26.6 18.6 28.0

138 23.1 15.9 23.9

