

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102925\
 Data File : BF144125.D
 Acq On : 29 Oct 2025 13:33
 Operator : RC/JU
 Sample : Q3460-17
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-5

Quant Time: Oct 29 13:54:08 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 24 17:30:25 2025
 Response via : Initial Calibration

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

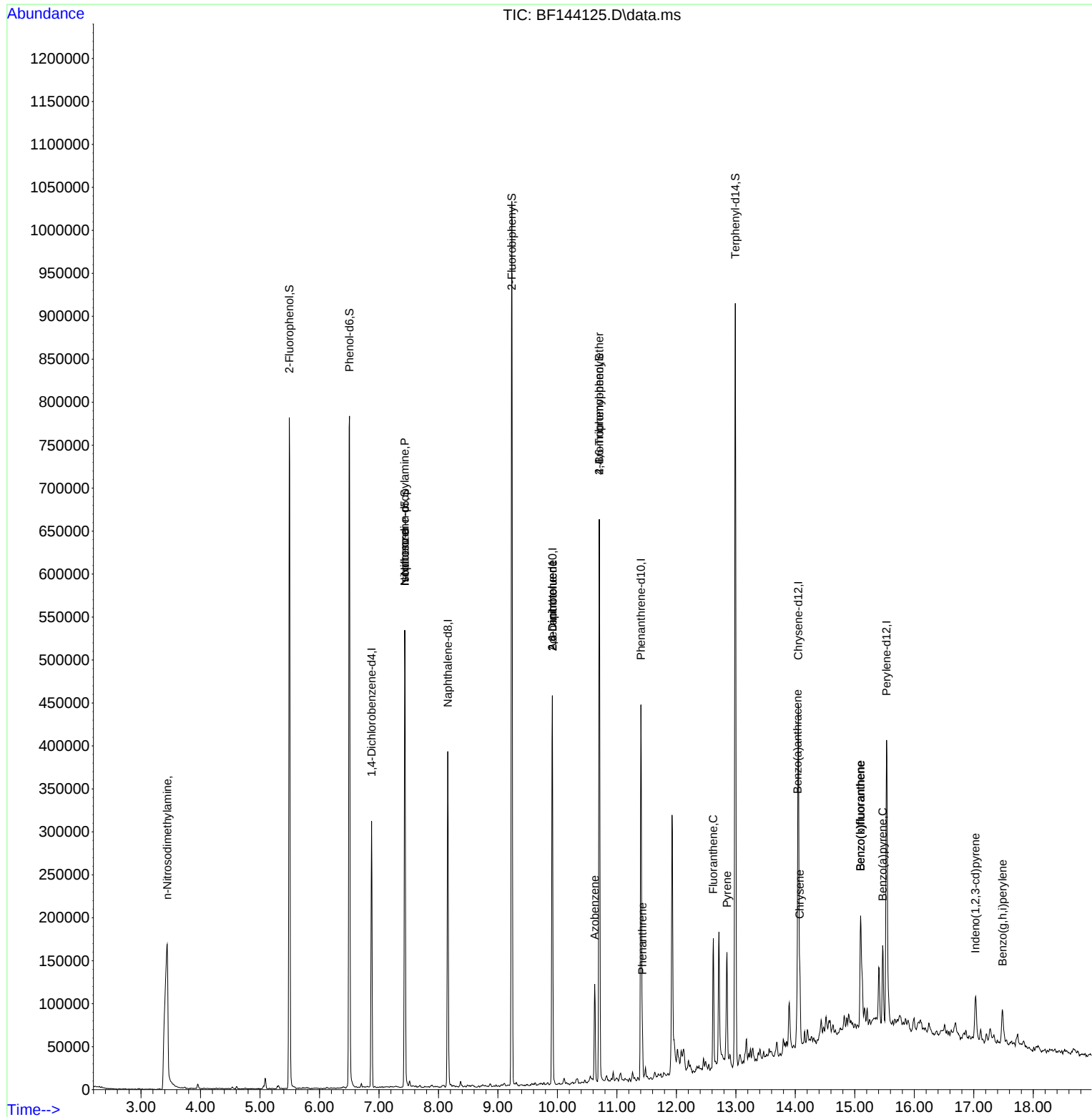
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	62081	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	240921	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	136312	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	231566	20.000	ng	0.00
76) Chrysene-d12	14.051	240	173028	20.000	ng	0.00
86) Perylene-d12	15.533	264	218432	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	291058	74.175	ng	0.00
7) Phenol-d6	6.504	99	334221	77.124	ng	0.00
23) Nitrobenzene-d5	7.434	82	219604	49.939	ng	0.00
42) 2,4,6-Tribromophenol	10.704	330	131365	75.656	ng	0.00
45) 2-Fluorobiphenyl	9.234	172	473924	48.926	ng	0.00
79) Terphenyl-d14	12.992	244	461771	46.656	ng	0.00
Target Compounds						
						Qvalue
4) n-Nitrosodimethylamine	3.440	42	14876	5.333	ng	# 1
19) n-Nitroso-di-n-propyla...	7.434	70	34334	12.252	ng	# 68
25) Isophorone	7.434	82	219602	28.564	ng	# 66
51) 2,6-Dinitrotoluene	9.916	165	17411	9.857	ng	# 24
57) 2,4-Dinitrotoluene	9.916	165	17411	7.303	ng	# 27
63) Azobenzene	10.628	77	26903	3.383	ng	# 1
67) 4-Bromophenyl-phenylether	10.704	248	6703	2.312	ng	# 1
71) Phenanthrene	11.428	178	32512	2.826	ng	99
75) Fluoranthene	12.622	202	87395	6.877	ng	99
78) Pyrene	12.851	202	79122	6.361	ng	97
81) Benzo(a)anthracene	14.039	228	56937	4.869	ng	98
83) Chrysene	14.074	228	51317	4.677	ng	98
87) Indeno(1,2,3-cd)pyrene	17.027	276	38192	2.547	ng	94
88) Benzo(b)fluoranthene	15.098	252	115277	9.335	ng	# 95
89) Benzo(k)fluoranthene	15.098	252	115277	10.118	ng	# 95
90) Benzo(a)pyrene	15.468	252	59568	5.377	ng	96
92) Benzo(g,h,i)perylene	17.486	276	38535	3.229	ng	# 97

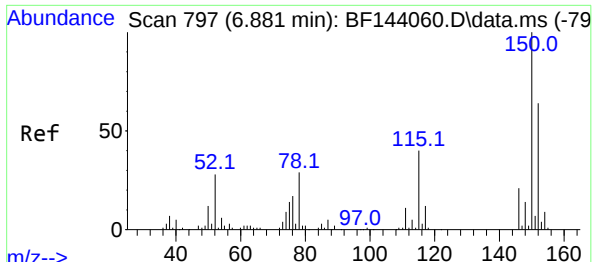
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102925\
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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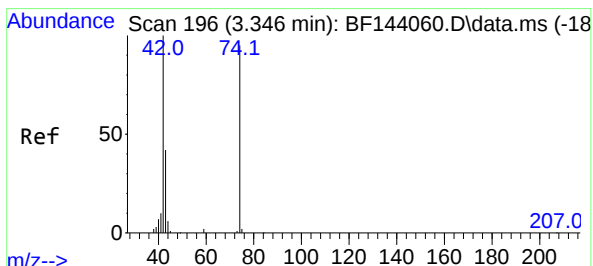
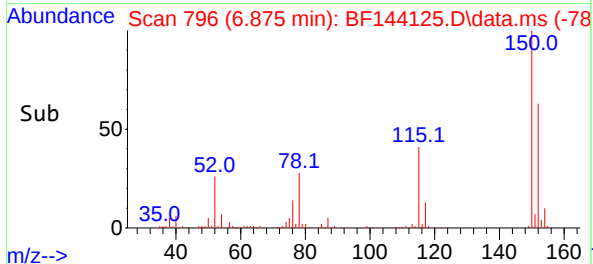
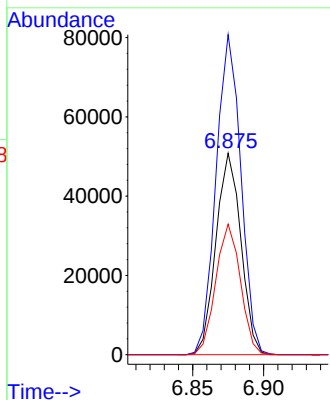
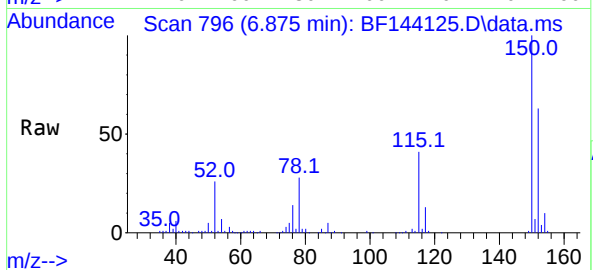




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 79
Delta R.T. -0.006 min
Lab File: BF144125.D
Acq: 29 Oct 2025 13:33

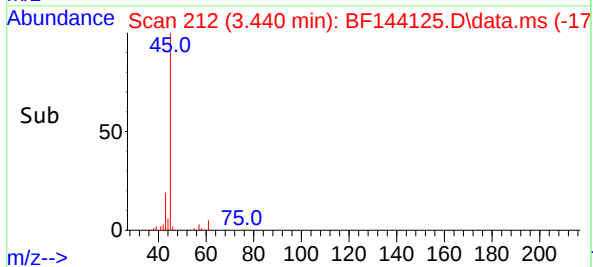
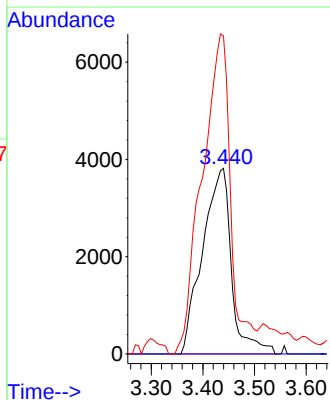
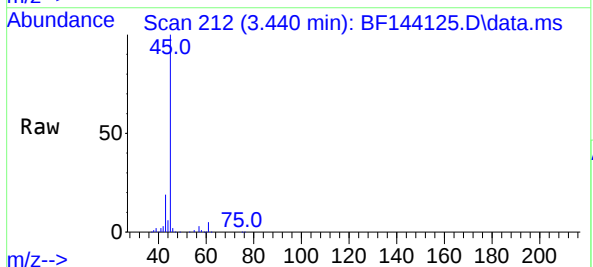
Instrument :
BNA_F
ClientSampleId :
WC-5

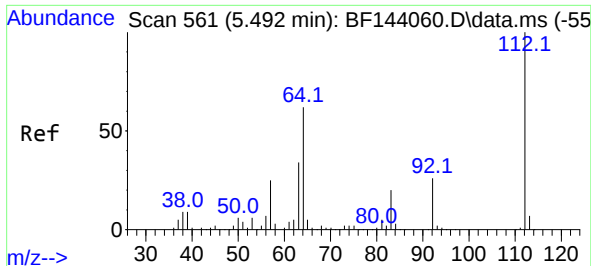
Tgt Ion:152 Resp: 62081
Ion Ratio Lower Upper
152 100
150 158.9 124.4 186.6
115 64.8 49.4 74.0



#4
n-Nitrosodimethylamine
Concen: 5.333 ng
RT: 3.440 min Scan# 212
Delta R.T. 0.094 min
Lab File: BF144125.D
Acq: 29 Oct 2025 13:33

Tgt Ion: 42 Resp: 14876
Ion Ratio Lower Upper
42 100
74 0.0 76.4 114.6#
44 171.4 5.2 7.8#

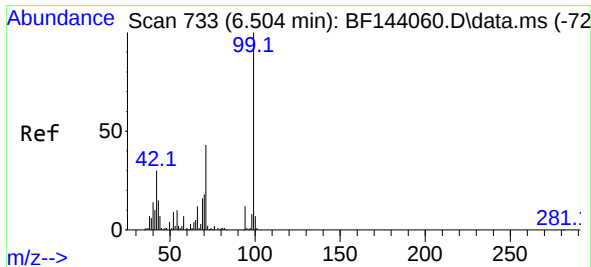
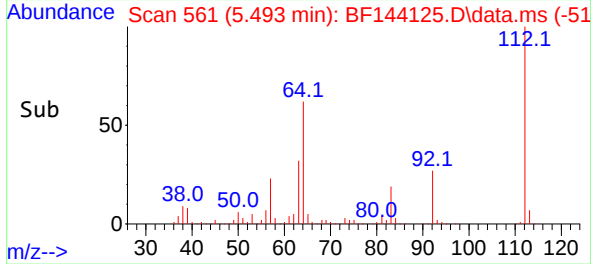
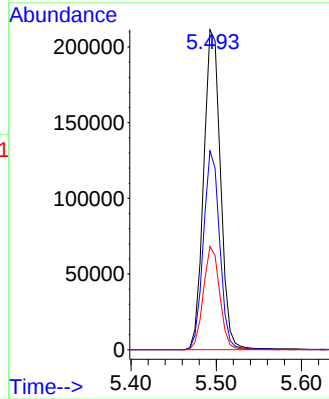
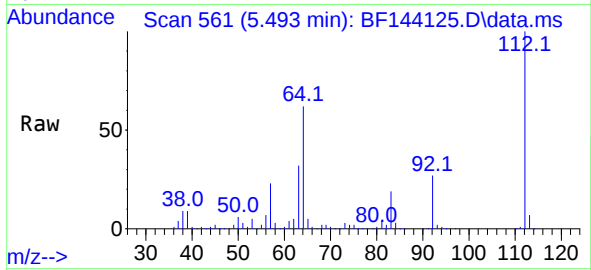




#5
2-Fluorophenol
Concen: 74.175 ng
RT: 5.493 min Scan# 501
Delta R.T. 0.000 min
Lab File: BF144125.D
Acq: 29 Oct 2025 13:33

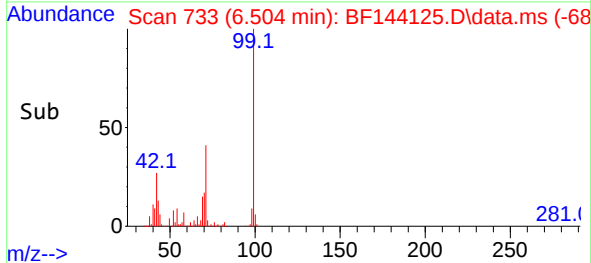
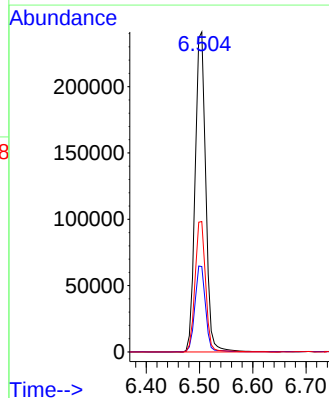
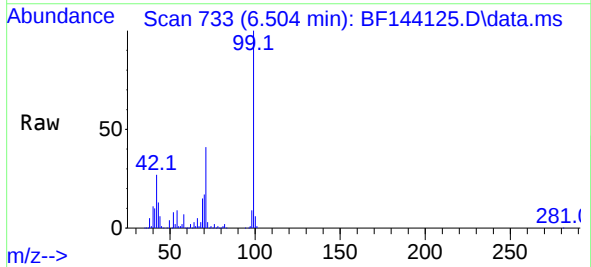
Instrument :
BNA_F
ClientSampleId :
WC-5

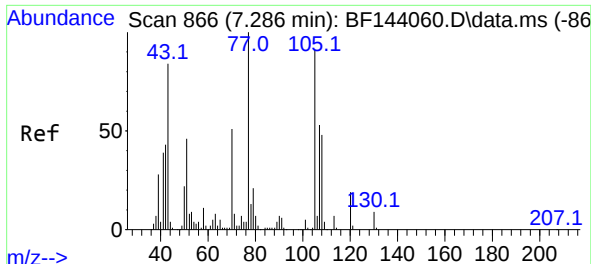
Tgt Ion:112 Resp: 291058
Ion Ratio Lower Upper
112 100
64 62.1 49.8 74.8
63 32.3 27.4 41.2



#7
Phenol-d6
Concen: 77.124 ng
RT: 6.504 min Scan# 733
Delta R.T. 0.000 min
Lab File: BF144125.D
Acq: 29 Oct 2025 13:33

Tgt Ion: 99 Resp: 334221
Ion Ratio Lower Upper
99 100
42 26.7 23.9 35.9
71 40.8 34.4 51.6

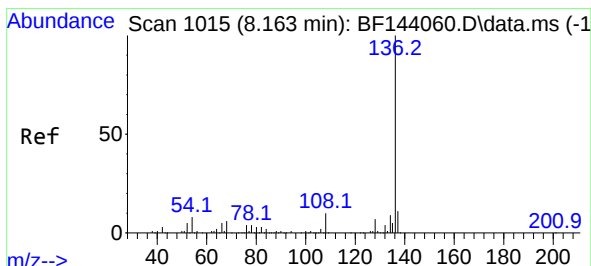
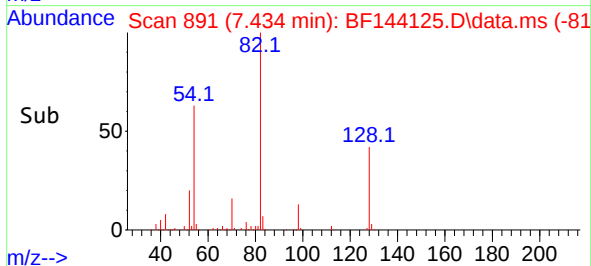
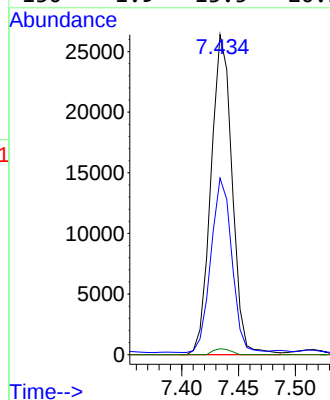
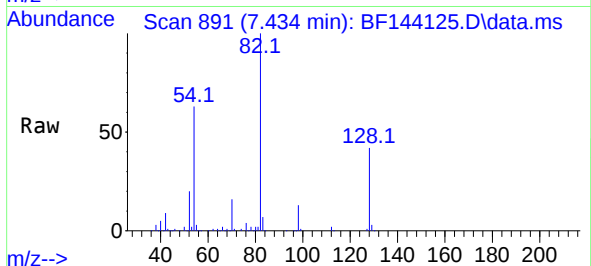




#19
n-Nitroso-di-n-propylamine
Concen: 12.252 ng
RT: 7.434 min Scan# 891
Delta R.T. 0.147 min
Lab File: BF144125.D
Acq: 29 Oct 2025 13:33

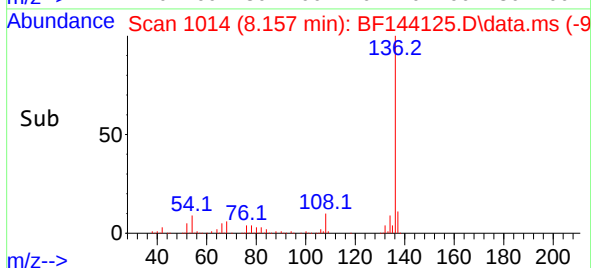
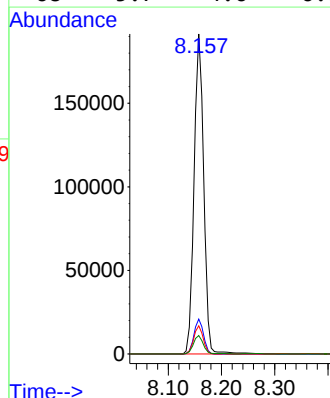
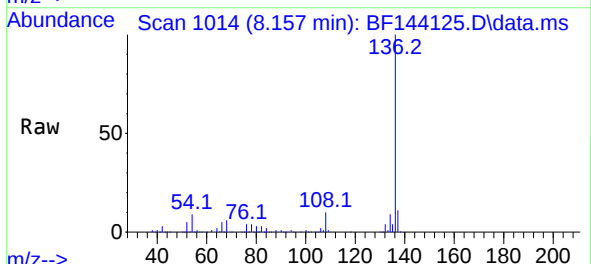
Instrument :
BNA_F
ClientSampleId :
WC-5

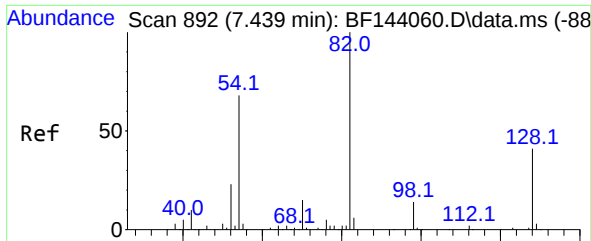
Tgt Ion: 70 Resp: 34334
Ion Ratio Lower Upper
70 100
42 55.1 67.4 101.0#
101 0.0 7.1 10.7#
130 1.9 13.5 20.3#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1014
Delta R.T. -0.006 min
Lab File: BF144125.D
Acq: 29 Oct 2025 13:33

Tgt Ion:136 Resp: 240921
Ion Ratio Lower Upper
136 100
137 10.9 8.6 13.0
54 8.8 6.6 9.8
68 5.7 4.6 6.8

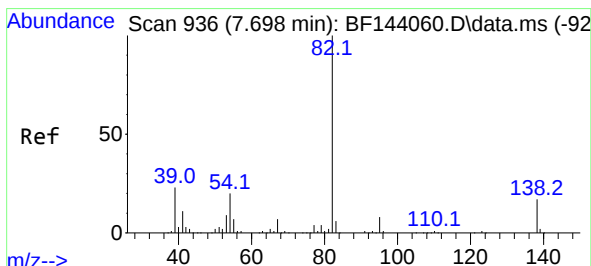
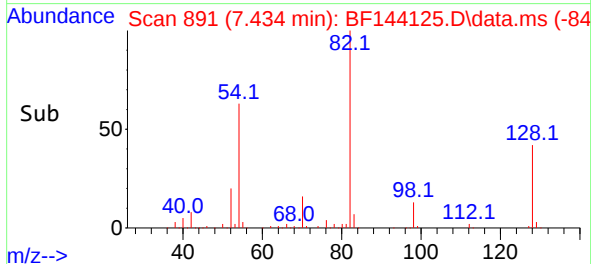
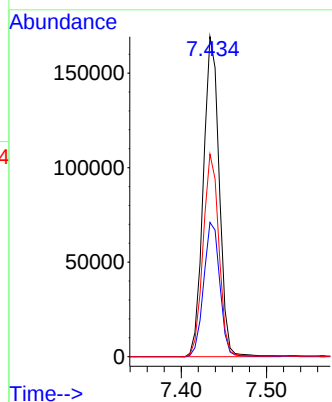
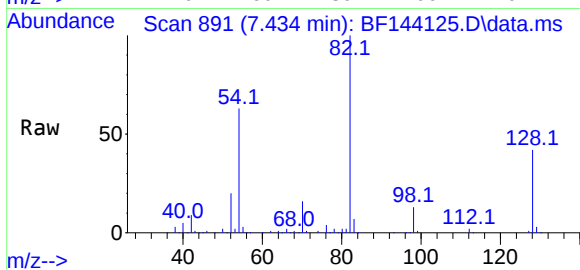




#23
Nitrobenzene-d5
Concen: 49.939 ng
RT: 7.434 min Scan# 891
Delta R.T. -0.006 min
Lab File: BF144125.D
Acq: 29 Oct 2025 13:33

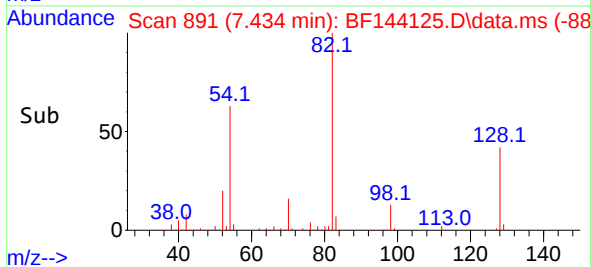
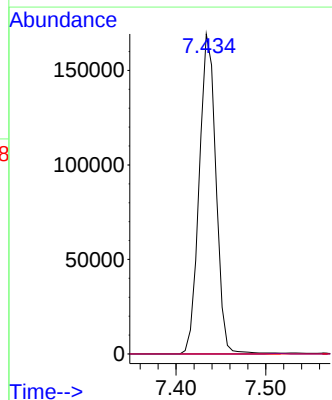
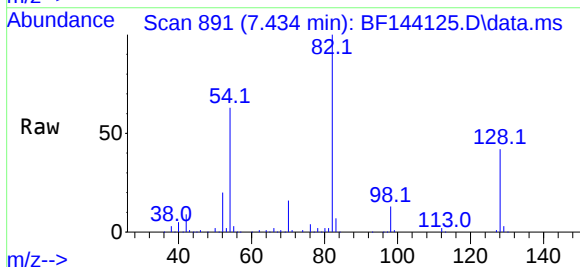
Instrument :
BNA_F
ClientSampleId :
WC-5

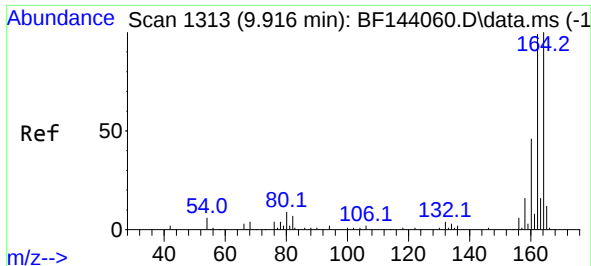
Tgt Ion: 82 Resp: 219604
Ion Ratio Lower Upper
82 100
128 42.0 32.4 48.6
54 63.3 54.0 81.0



#25
Isophorone
Concen: 28.564 ng
RT: 7.434 min Scan# 891
Delta R.T. -0.265 min
Lab File: BF144125.D
Acq: 29 Oct 2025 13:33

Tgt Ion: 82 Resp: 219602
Ion Ratio Lower Upper
82 100
95 0.0 6.6 9.8#
138 0.0 13.8 20.8#

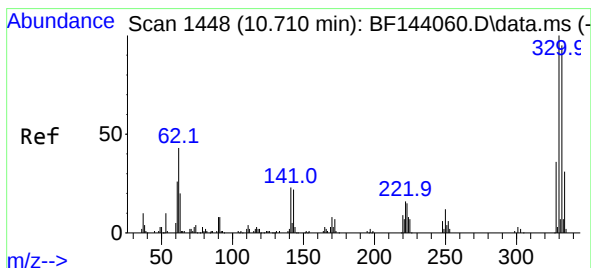
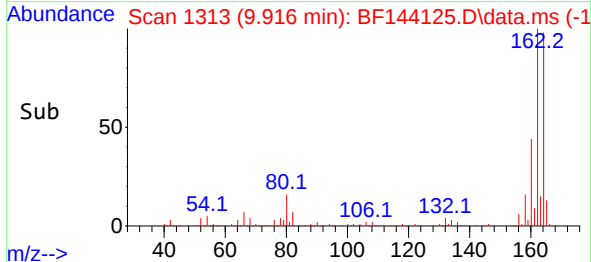
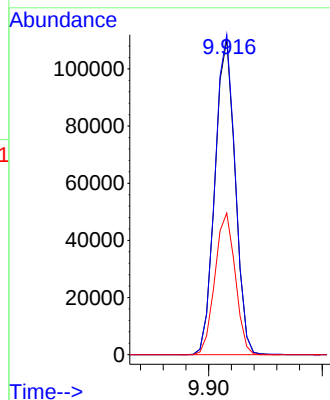
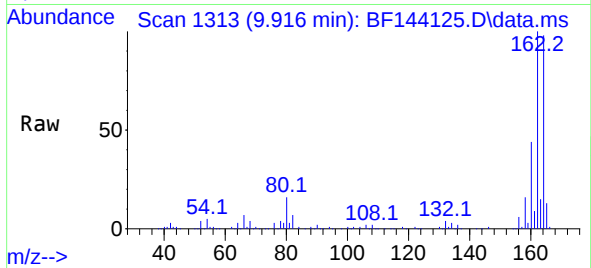




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1313
Delta R.T. 0.000 min
Lab File: BF144125.D
Acq: 29 Oct 2025 13:33

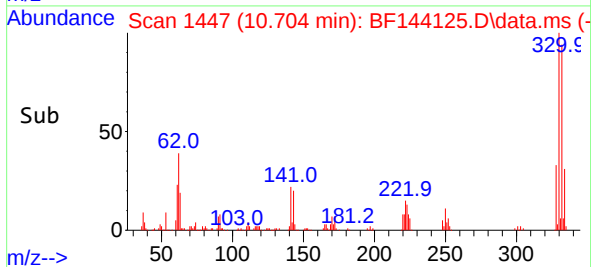
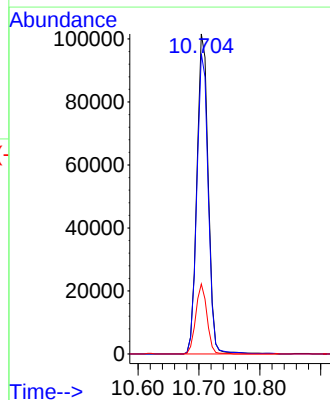
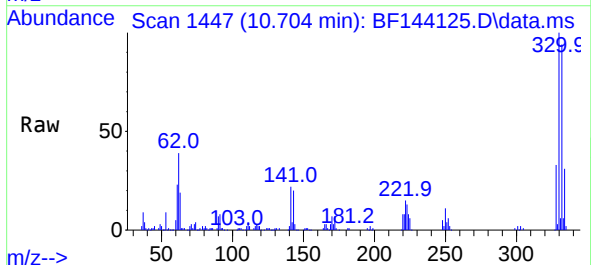
Instrument :
BNA_F
ClientSampleId :
WC-5

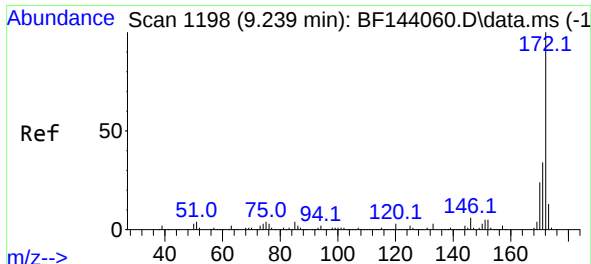
Tgt Ion:164 Resp: 136312
Ion Ratio Lower Upper
164 100
162 101.6 79.4 119.2
160 45.0 36.7 55.1



#42
2,4,6-Tribromophenol
Concen: 75.656 ng
RT: 10.704 min Scan# 1447
Delta R.T. -0.006 min
Lab File: BF144125.D
Acq: 29 Oct 2025 13:33

Tgt Ion:330 Resp: 131365
Ion Ratio Lower Upper
330 100
332 94.1 77.0 115.6
141 21.6 19.4 29.0





#45

2-Fluorobiphenyl

Concen: 48.926 ng

RT: 9.234 min Scan# 1198

Delta R.T. -0.006 min

Lab File: BF144125.D

Acq: 29 Oct 2025 13:33

Instrument :

BNA_F

ClientSampleId :

WC-5

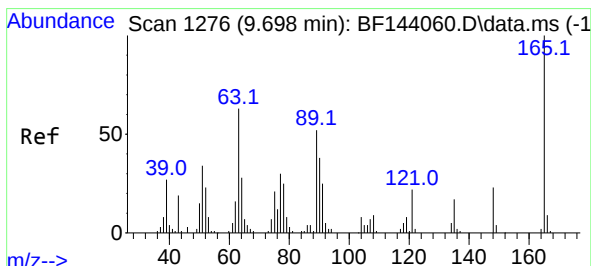
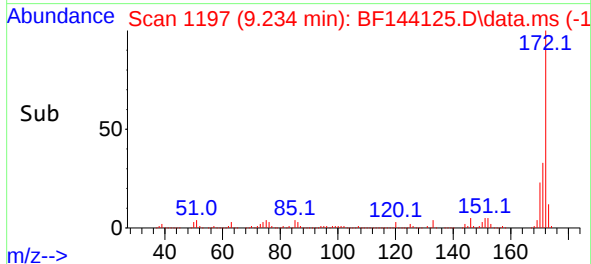
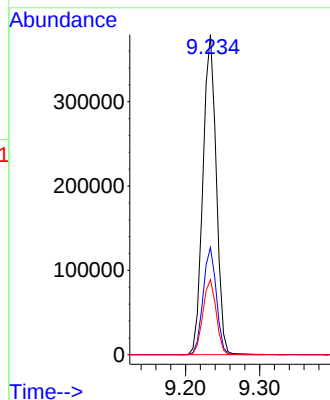
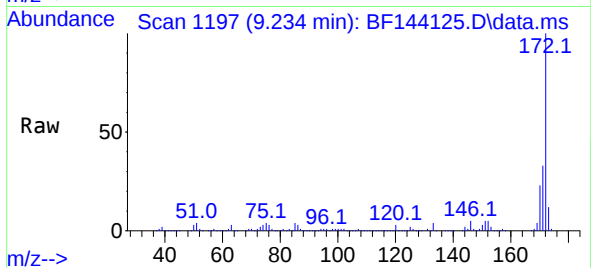
Tgt Ion:172 Resp: 473924

Ion Ratio Lower Upper

172 100

171 33.5 27.5 41.3

170 23.4 19.0 28.6



#51

2,6-Dinitrotoluene

Concen: 9.857 ng

RT: 9.916 min Scan# 1313

Delta R.T. 0.218 min

Lab File: BF144125.D

Acq: 29 Oct 2025 13:33

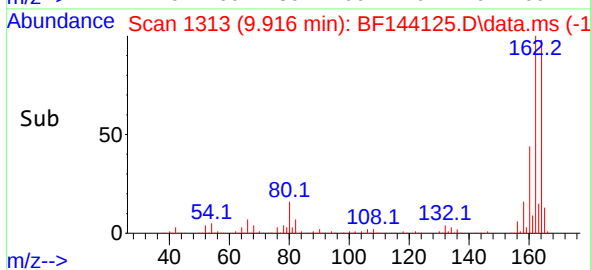
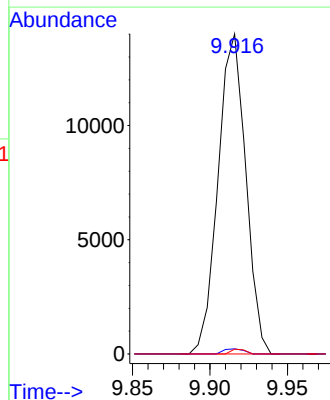
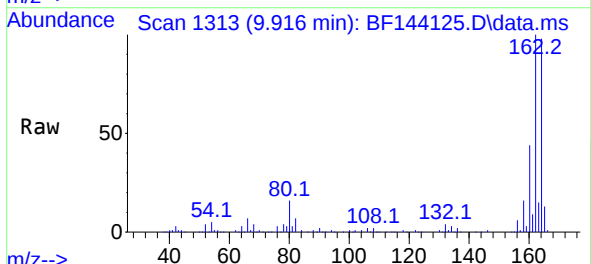
Tgt Ion:165 Resp: 17411

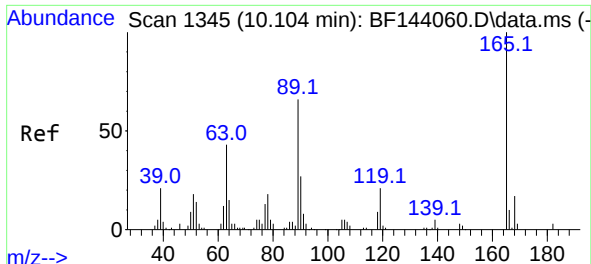
Ion Ratio Lower Upper

165 100

63 1.6 50.4 75.6#

89 1.5 41.4 62.2#

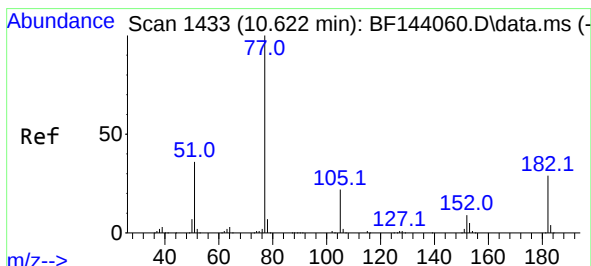
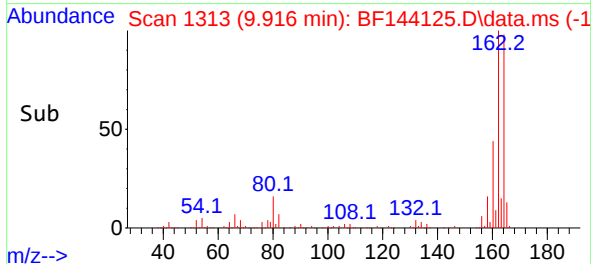
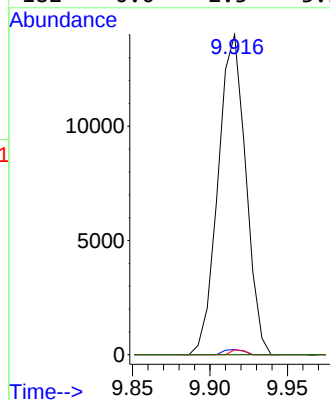
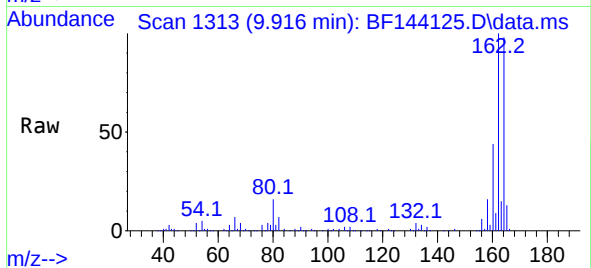




#57
2,4-Dinitrotoluene
Concen: 7.303 ng
RT: 9.916 min Scan# 11
Delta R.T. -0.188 min
Lab File: BF144125.D
Acq: 29 Oct 2025 13:33

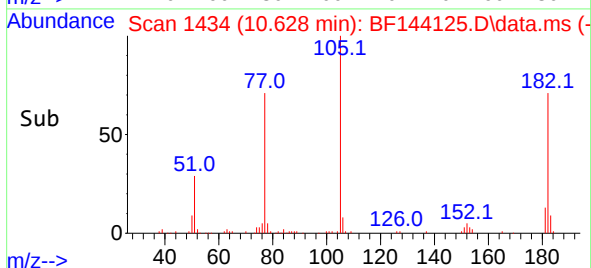
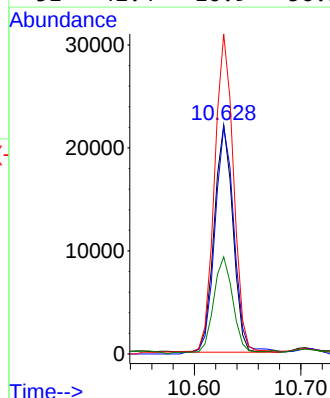
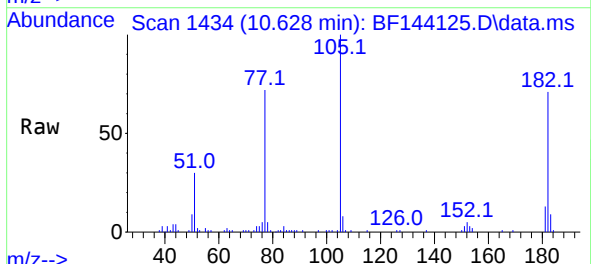
Instrument :
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ClientSampleId :
WC-5

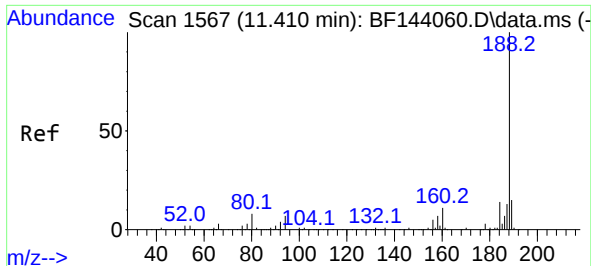
Tgt Ion:165 Resp: 17411
Ion Ratio Lower Upper
165 100
63 1.6 35.4 53.2#
89 1.5 52.7 79.1#
182 0.0 2.3 3.5#



#63
Azobenzene
Concen: 3.383 ng
RT: 10.628 min Scan# 1434
Delta R.T. 0.006 min
Lab File: BF144125.D
Acq: 29 Oct 2025 13:33

Tgt Ion: 77 Resp: 26903
Ion Ratio Lower Upper
77 100
182 99.2 9.0 49.0#
105 139.7 1.4 41.4#
51 42.4 16.9 56.9

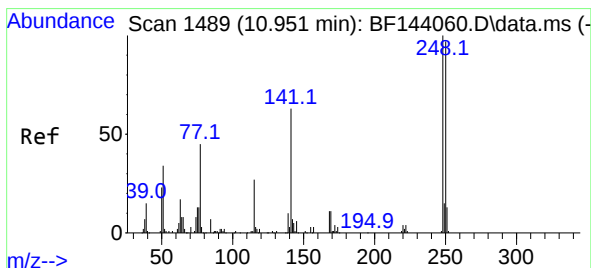
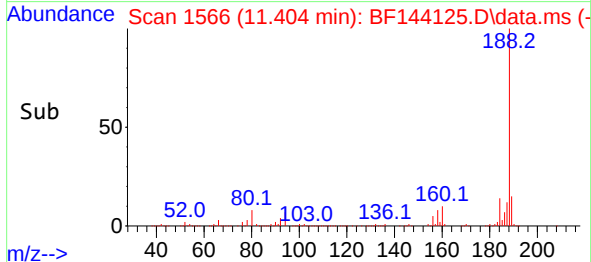
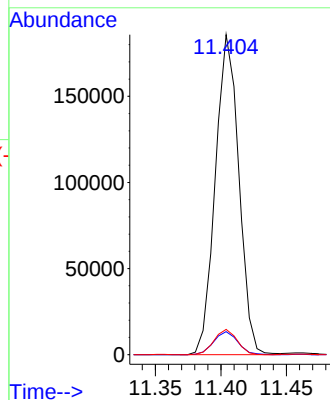
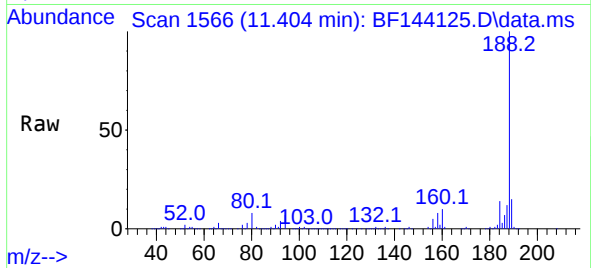




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF144125.D
Acq: 29 Oct 2025 13:33

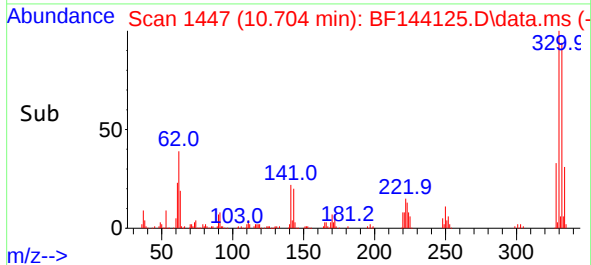
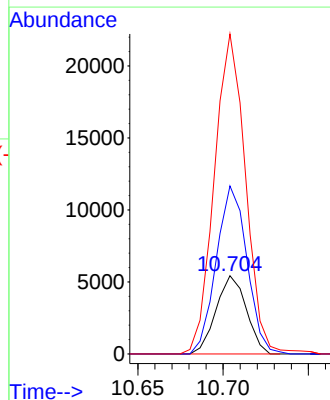
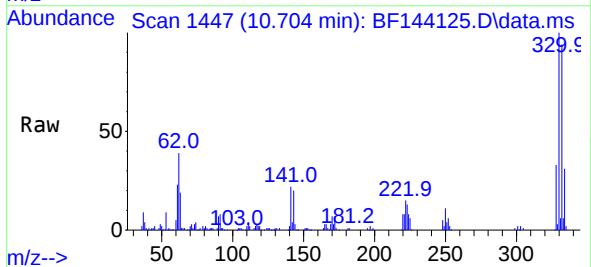
Instrument :
BNA_F
ClientSampleId :
WC-5

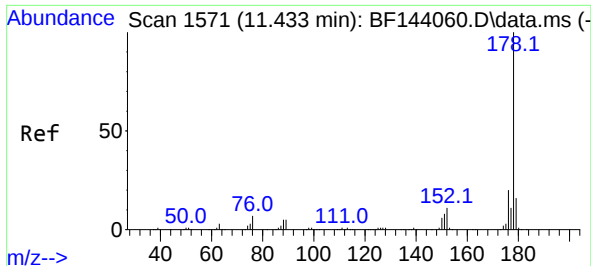
Tgt Ion:188 Resp: 231566
Ion Ratio Lower Upper
188 100
94 7.2 5.4 8.0
80 7.9 6.0 9.0



#67
4-Bromophenyl-phenylether
Concen: 2.312 ng
RT: 10.704 min Scan# 1447
Delta R.T. -0.247 min
Lab File: BF144125.D
Acq: 29 Oct 2025 13:33

Tgt Ion:248 Resp: 6703
Ion Ratio Lower Upper
248 100
250 215.0 77.8 116.6#
141 409.4 50.5 75.7#

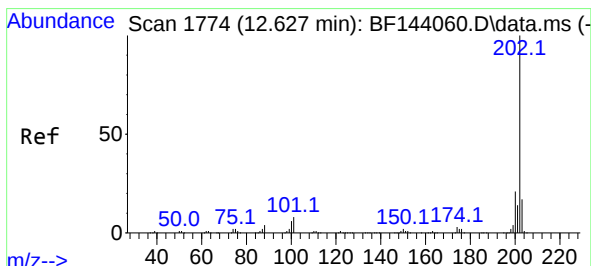
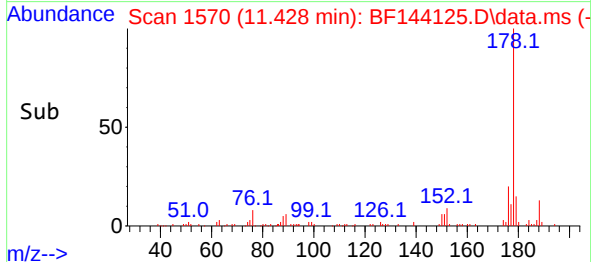
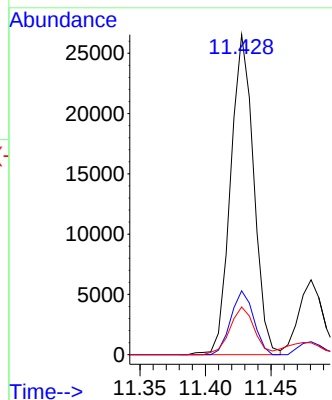
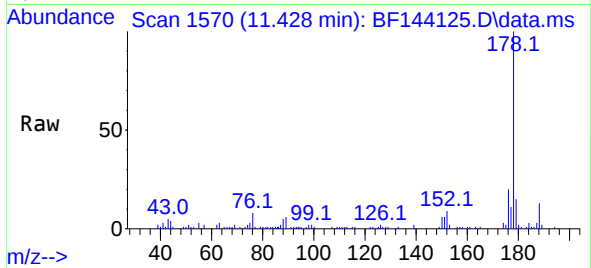




#71
Phenanthrene
Concen: 2.826 ng
RT: 11.428 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF144125.D
Acq: 29 Oct 2025 13:33

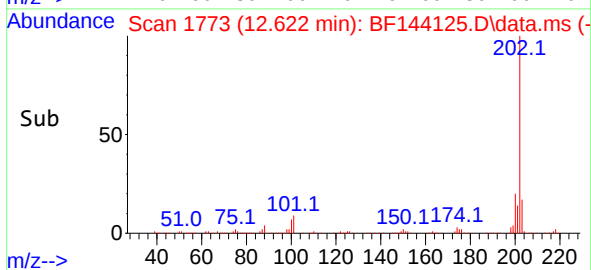
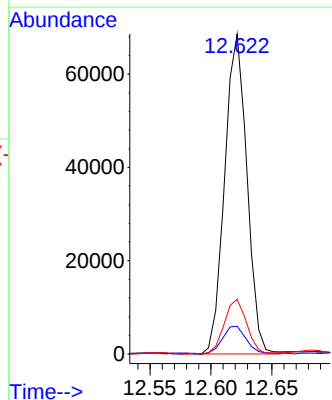
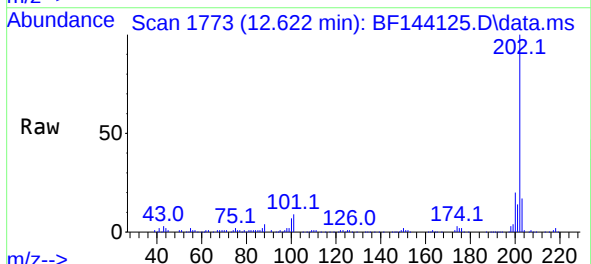
Instrument :
BNA_F
ClientSampleId :
WC-5

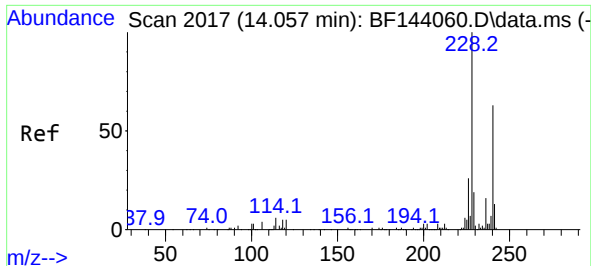
Tgt Ion:178 Resp: 32512
Ion Ratio Lower Upper
178 100
176 20.0 16.3 24.5
179 14.9 12.6 18.8



#75
Fluoranthene
Concen: 6.877 ng
RT: 12.622 min Scan# 1773
Delta R.T. -0.006 min
Lab File: BF144125.D
Acq: 29 Oct 2025 13:33

Tgt Ion:202 Resp: 87395
Ion Ratio Lower Upper
202 100
101 8.7 0.0 27.7
203 17.1 0.0 37.3

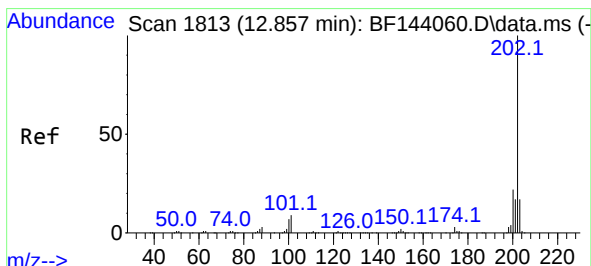
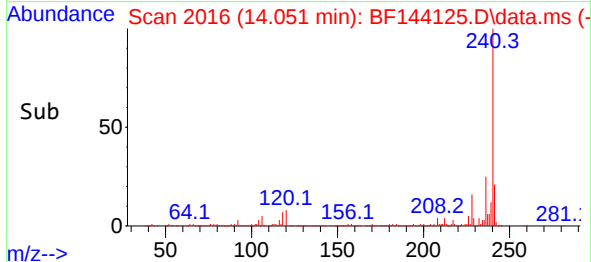
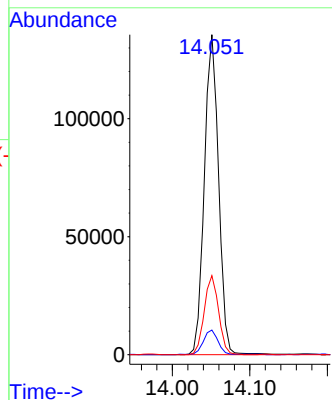
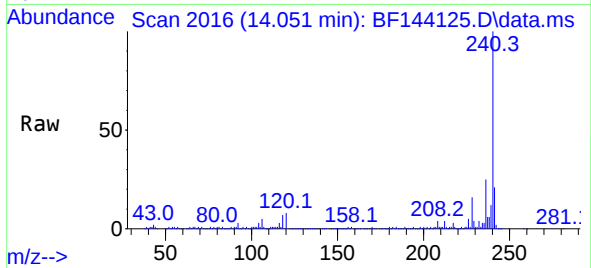




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF144125.D
Acq: 29 Oct 2025 13:33

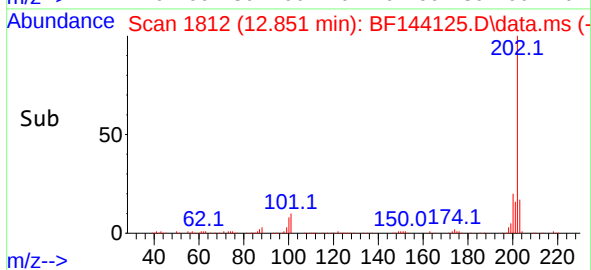
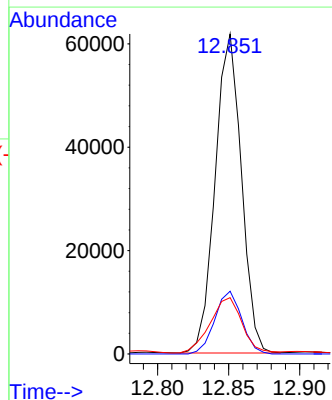
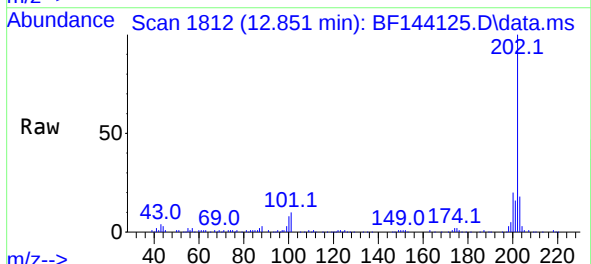
Instrument :
BNA_F
ClientSampleId :
WC-5

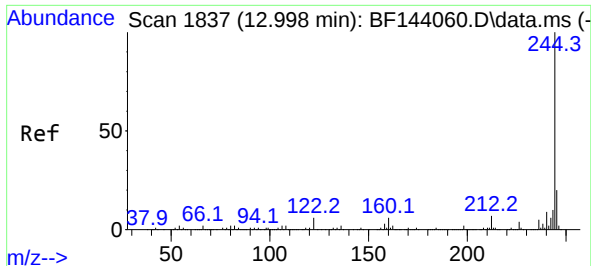
Tgt Ion:240 Resp: 173028
Ion Ratio Lower Upper
240 100
120 7.7 6.5 9.7
236 24.7 20.1 30.1



#78
Pyrene
Concen: 6.361 ng
RT: 12.851 min Scan# 1812
Delta R.T. -0.006 min
Lab File: BF144125.D
Acq: 29 Oct 2025 13:33

Tgt Ion:202 Resp: 79122
Ion Ratio Lower Upper
202 100
200 19.6 17.2 25.8
203 17.6 13.5 20.3

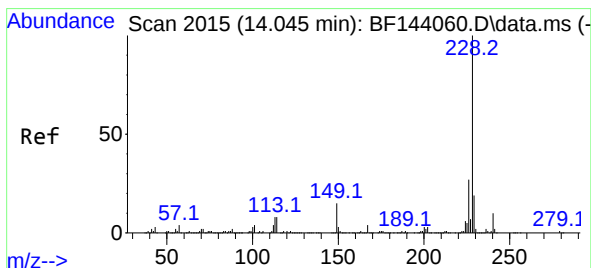
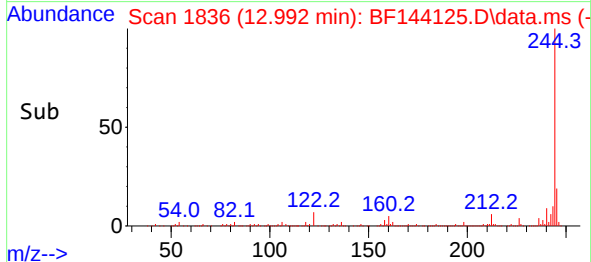
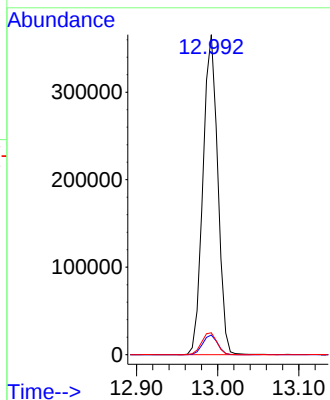
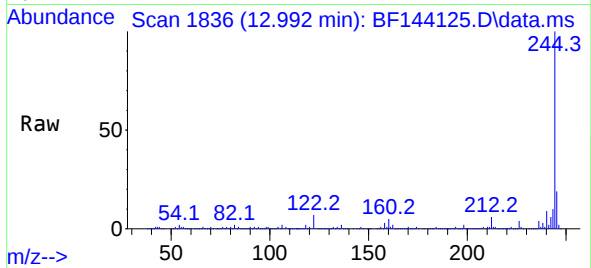




#79
 Terphenyl-d14
 Concen: 46.656 ng
 RT: 12.992 min Scan# 1
 Delta R.T. -0.006 min
 Lab File: BF144125.D
 Acq: 29 Oct 2025 13:33

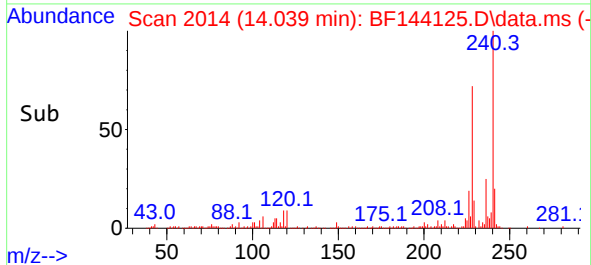
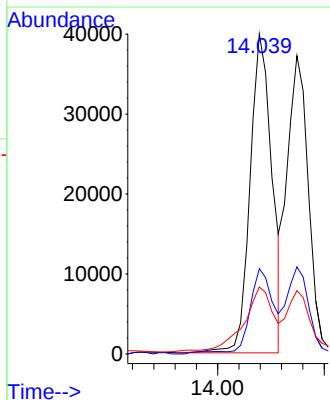
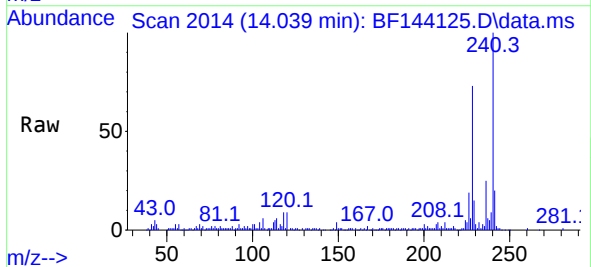
Instrument :
 BNA_F
 ClientSampleId :
 WC-5

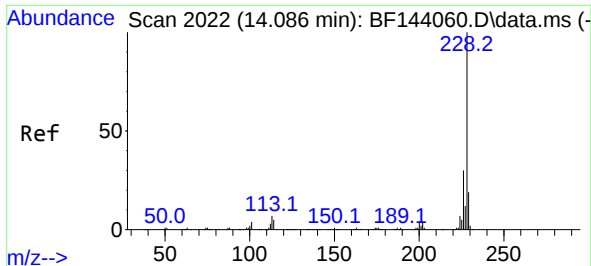
Tgt Ion:244 Resp: 461771
 Ion Ratio Lower Upper
 244 100
 212 6.1 5.8 8.6
 122 6.9 4.9 7.3



#81
 Benzo(a)anthracene
 Concen: 4.869 ng
 RT: 14.039 min Scan# 2014
 Delta R.T. -0.006 min
 Lab File: BF144125.D
 Acq: 29 Oct 2025 13:33

Tgt Ion:228 Resp: 56937
 Ion Ratio Lower Upper
 228 100
 226 26.7 21.4 32.2
 229 21.0 15.3 22.9

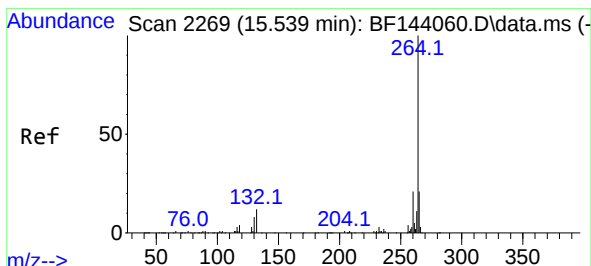
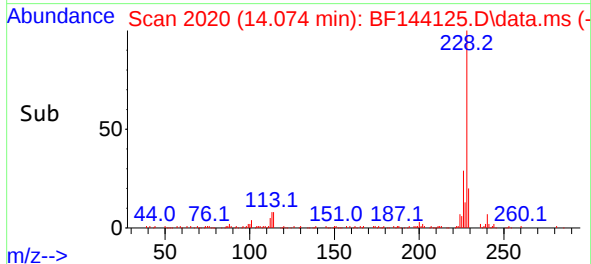
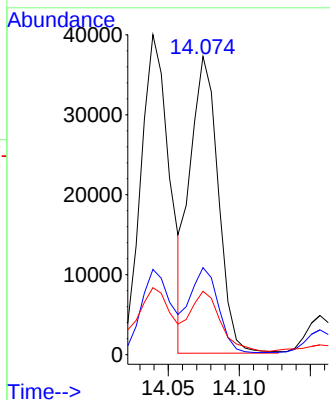
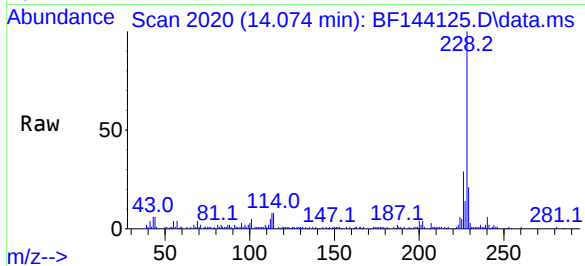




#83
Chrysene
Concen: 4.677 ng
RT: 14.074 min Scan# 20
Delta R.T. -0.012 min
Lab File: BF144125.D
Acq: 29 Oct 2025 13:33

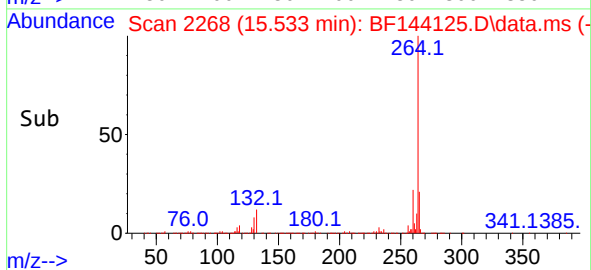
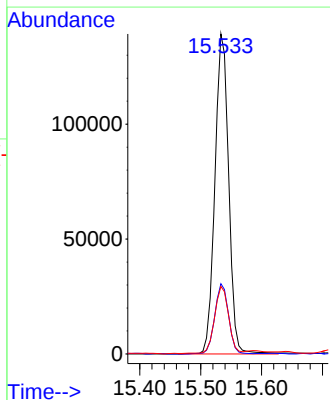
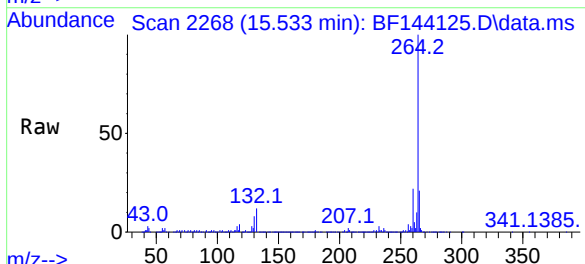
Instrument :
BNA_F
ClientSampleId :
WC-5

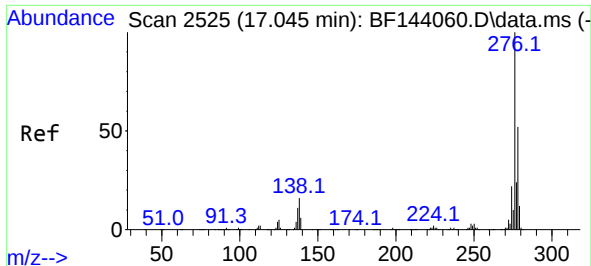
Tgt Ion:	228	Resp:	51317
Ion	Ratio	Lower	Upper
228	100		
226	29.2	23.8	35.6
229	21.3	15.6	23.4



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.533 min Scan# 2268
Delta R.T. -0.006 min
Lab File: BF144125.D
Acq: 29 Oct 2025 13:33

Tgt Ion:	264	Resp:	218432
Ion	Ratio	Lower	Upper
264	100		
260	22.0	17.0	25.4
265	21.1	16.6	24.8

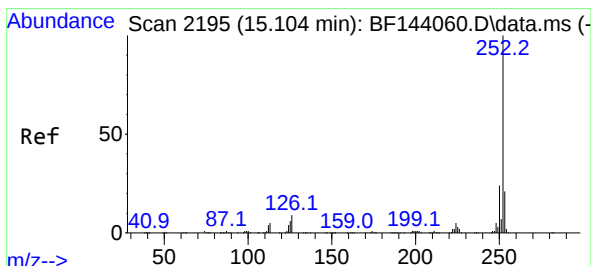
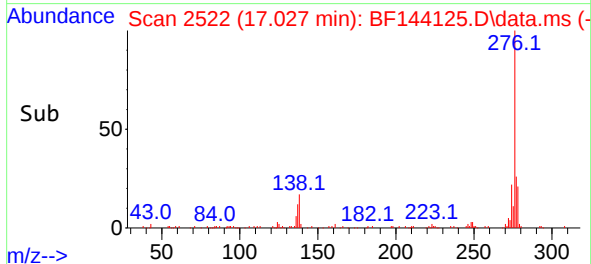
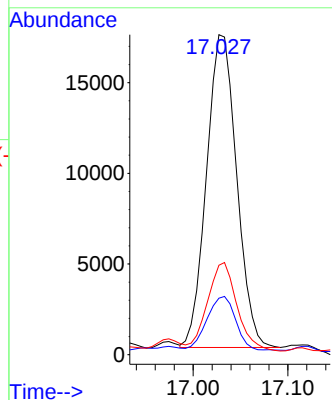
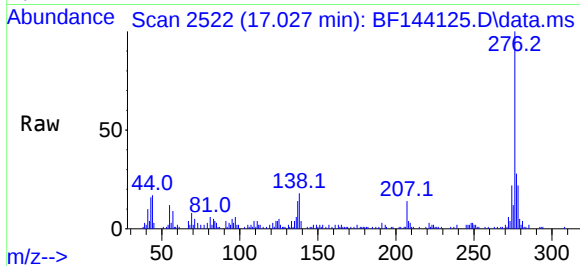




#87
Indeno(1,2,3-cd)pyrene
Concen: 2.547 ng
RT: 17.027 min Scan# 2192
Delta R.T. -0.018 min
Lab File: BF144125.D
Acq: 29 Oct 2025 13:33

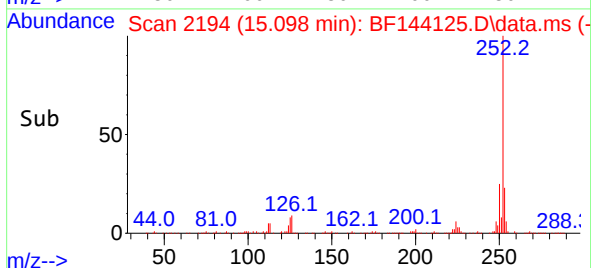
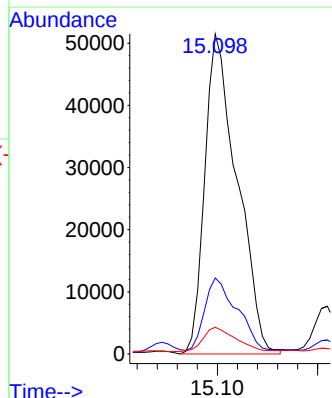
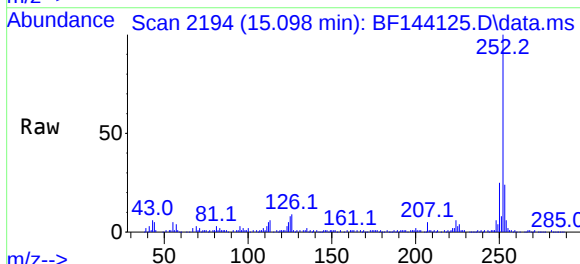
Instrument :
BNA_F
ClientSampleId :
WC-5

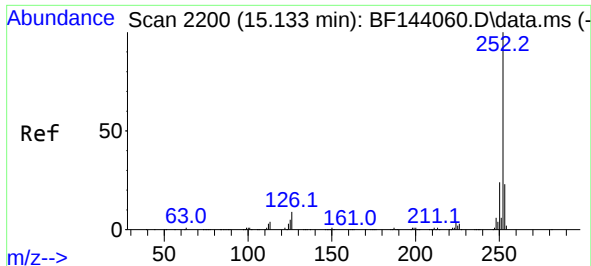
Tgt Ion:	276	Resp:	38192
Ion Ratio	Lower	Upper	
276	100		
138	17.4	13.0	19.6
277	28.1	19.4	29.0



#88
Benzo(b)fluoranthene
Concen: 9.335 ng
RT: 15.098 min Scan# 2194
Delta R.T. -0.006 min
Lab File: BF144125.D
Acq: 29 Oct 2025 13:33

Tgt Ion:	252	Resp:	115277
Ion Ratio	Lower	Upper	
252	100		
253	23.8	17.2	25.8
125	8.3	5.0	7.6#





#89

Benzo(k)fluoranthene

Concen: 10.118 ng

RT: 15.098 min Scan# 2194

Delta R.T. -0.035 min

Lab File: BF144125.D

Acq: 29 Oct 2025 13:33

Instrument :

BNA_F

ClientSampleId :

WC-5

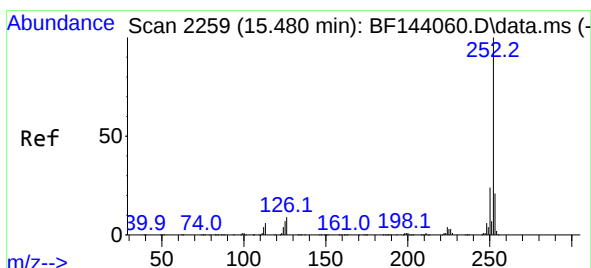
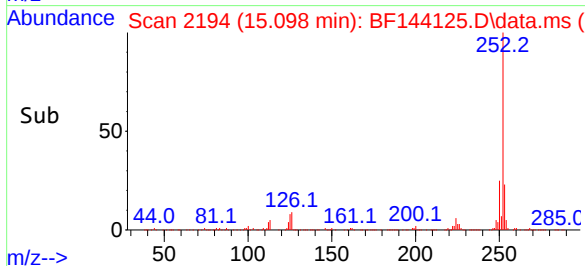
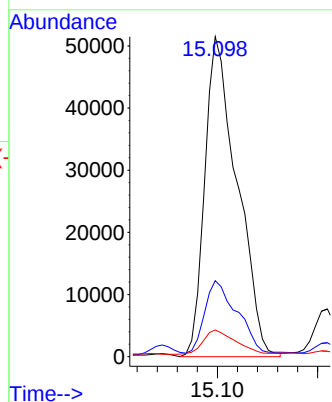
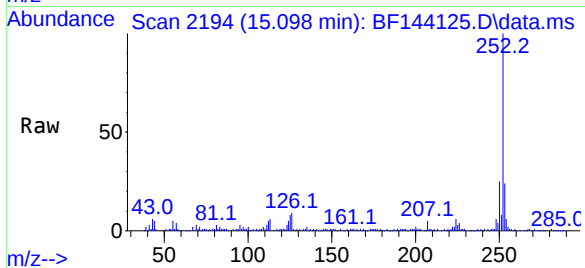
Tgt Ion:252 Resp: 115277

Ion Ratio Lower Upper

252 100

253 23.8 17.4 26.2

125 8.3 4.9 7.3#



#90

Benzo(a)pyrene

Concen: 5.377 ng

RT: 15.468 min Scan# 2257

Delta R.T. -0.012 min

Lab File: BF144125.D

Acq: 29 Oct 2025 13:33

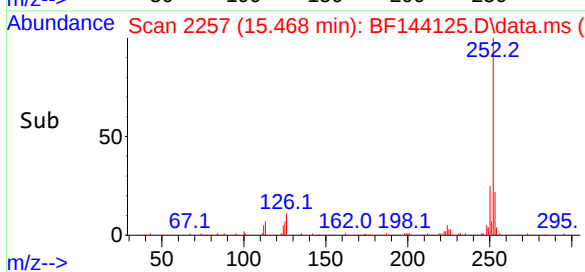
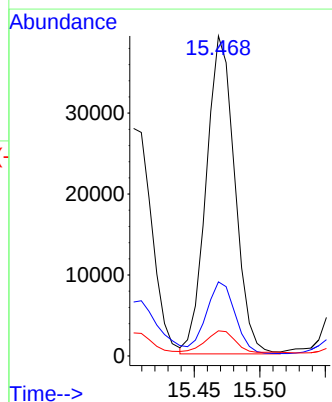
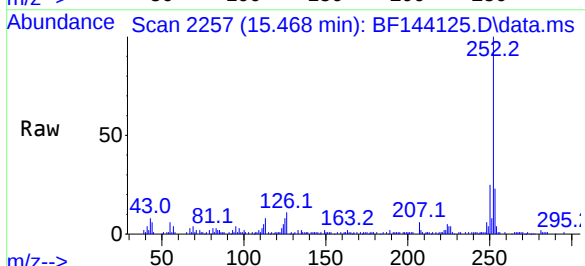
Tgt Ion:252 Resp: 59568

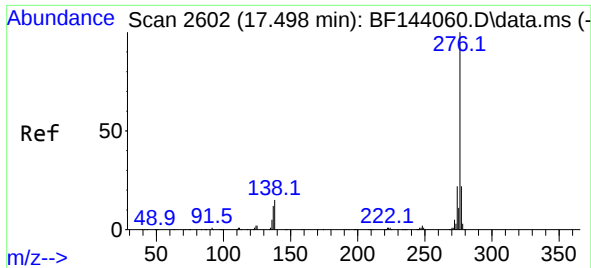
Ion Ratio Lower Upper

252 100

253 23.1 17.1 25.7

125 7.9 5.4 8.2





#92
Benzo(g,h,i)perylene
Concen: 3.229 ng
RT: 17.486 min Scan# 20
Delta R.T. -0.012 min
Lab File: BF144125.D
Acq: 29 Oct 2025 13:33

Instrument :
BNA_F
ClientSampleId :
WC-5

Tgt Ion:276 Resp: 38535
Ion Ratio Lower Upper
276 100
277 22.2 17.9 26.9
138 18.2 12.0 18.0#

