

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102925\
 Data File : BF144135.D
 Acq On : 29 Oct 2025 18:31
 Operator : RC/JU
 Sample : Q3476-02
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

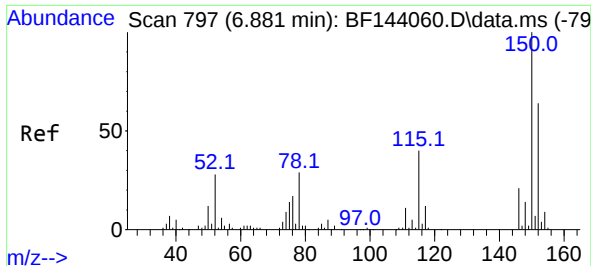
Instrument :
 BNA_F
 ClientSampleId :
 B8-0.0-1.0-20251023

Quant Time: Oct 29 18:51:41 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	58760	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	219394	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	118691	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	197810	20.000	ng	# 0.00
76) Chrysene-d12	14.051	240	171583	20.000	ng	0.00
86) Perylene-d12	15.539	264	188901	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.492	112	296495	79.831	ng	0.00
7) Phenol-d6	6.504	99	338372	82.494	ng	0.00
23) Nitrobenzene-d5	7.439	82	221116	55.217	ng	0.00
42) 2,4,6-Tribromophenol	10.704	330	115793	76.588	ng	0.00
45) 2-Fluorobiphenyl	9.233	172	444581	52.710	ng	0.00
79) Terphenyl-d14	12.992	244	422291	43.026	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.433	70	32245	12.157	ng	# 70
25) Isophorone	7.439	82	221113	31.583	ng	# 66
51) 2,6-Dinitrotoluene	9.916	165	15575	10.127	ng	# 22
57) 2,4-Dinitrotoluene	9.916	165	15575	7.503	ng	# 25
63) Azobenzene	10.627	77	29162	4.211	ng	# 1
67) 4-Bromophenyl-phenylether	10.704	248	6505	2.626	ng	# 1
71) Phenanthrene	11.427	178	43161	4.392	ng	98
72) Anthracene	11.427	178	43161	4.252	ng	98
75) Fluoranthene	12.621	202	69912	6.440	ng	99
78) Pyrene	12.851	202	56918	4.614	ng	97
81) Benzo(a)anthracene	14.074	228	36048	3.109	ng	92
83) Chrysene	14.074	228	36048	3.313	ng	96
84) Bis(2-ethylhexyl)phtha...	14.027	149	36111	5.668	ng	# 97
88) Benzo(b)fluoranthene	15.098	252	64653	6.054	ng	99
89) Benzo(k)fluoranthene	15.098	252	64653	6.562	ng	99
90) Benzo(a)pyrene	15.468	252	30218	3.154	ng	# 98

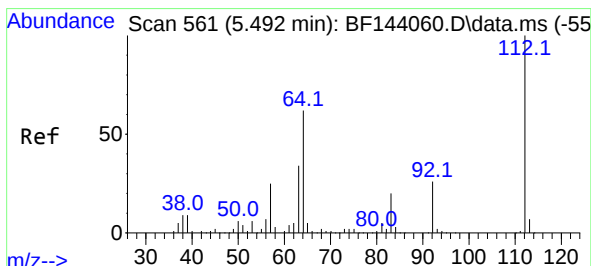
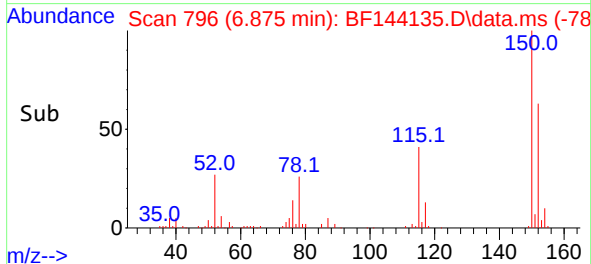
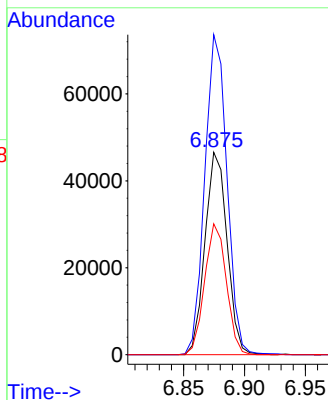
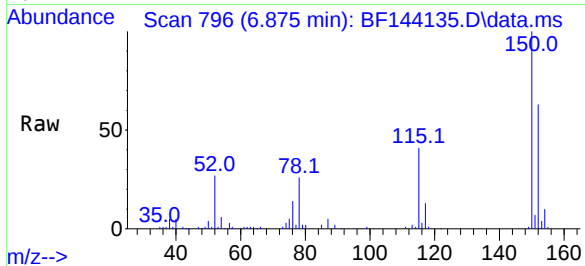
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 797
Delta R.T. -0.006 min
Lab File: BF144135.D
Acq: 29 Oct 2025 18:31

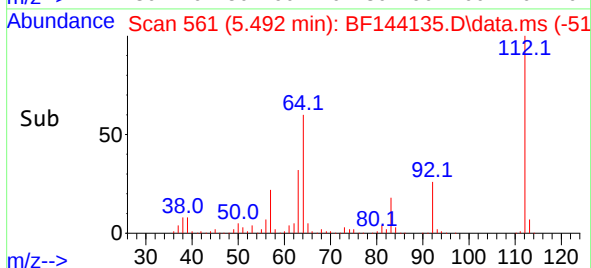
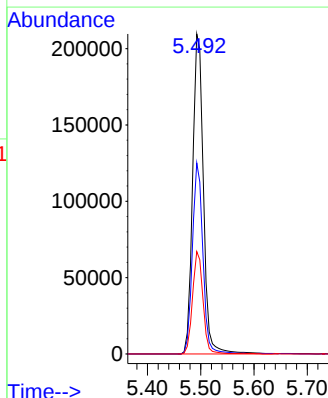
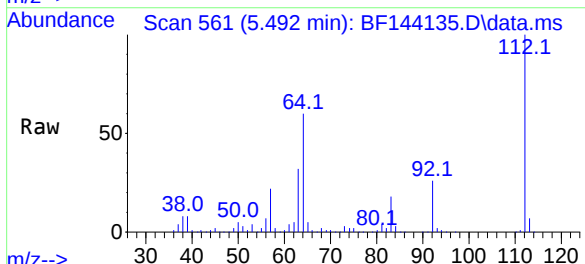
Instrument :
BNA_F
ClientSampleId :
B8-0.0-1.0-20251023

Tgt Ion:152 Resp: 58760
Ion Ratio Lower Upper
152 100
150 158.1 124.4 186.6
115 64.6 49.4 74.0



#5
2-Fluorophenol
Concen: 79.831 ng
RT: 5.492 min Scan# 561
Delta R.T. -0.000 min
Lab File: BF144135.D
Acq: 29 Oct 2025 18:31

Tgt Ion:112 Resp: 296495
Ion Ratio Lower Upper
112 100
64 59.7 49.8 74.8
63 32.0 27.4 41.2

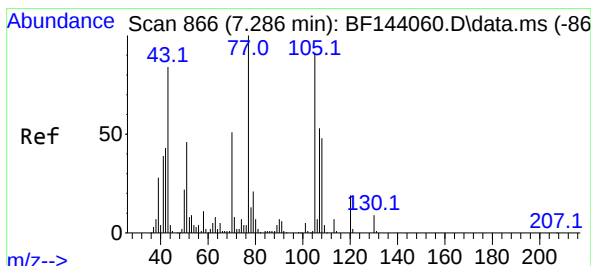
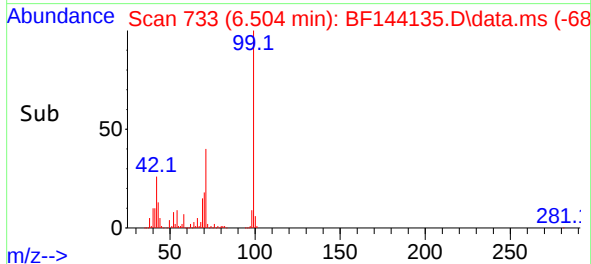
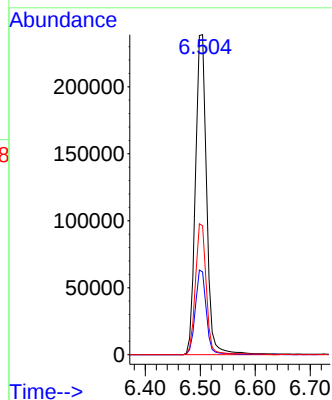
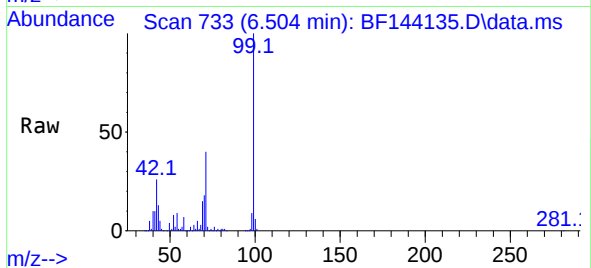




#7
Phenol-d6
Concen: 82.494 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF144135.D
Acq: 29 Oct 2025 18:31

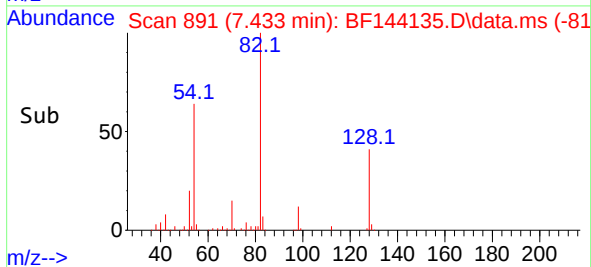
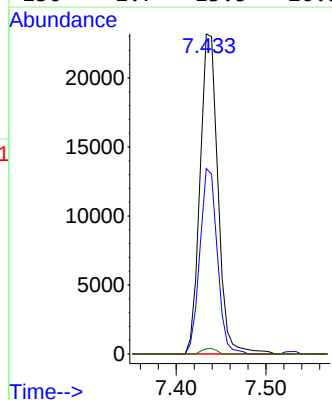
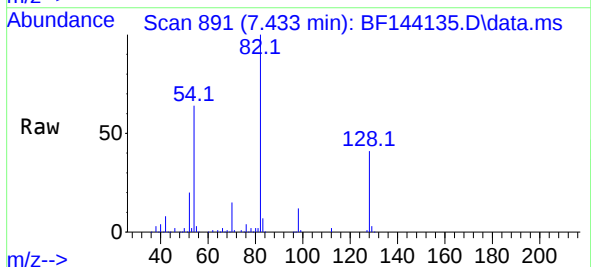
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ClientSampleId :
B8-0.0-1.0-20251023

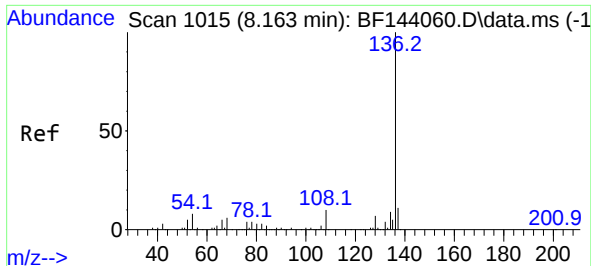
Tgt Ion: 99 Resp: 338372
Ion Ratio Lower Upper
99 100
42 25.9 23.9 35.9
71 40.2 34.4 51.6



#19
n-Nitroso-di-n-propylamine
Concen: 12.157 ng
RT: 7.433 min Scan# 891
Delta R.T. 0.147 min
Lab File: BF144135.D
Acq: 29 Oct 2025 18:31

Tgt Ion: 70 Resp: 32245
Ion Ratio Lower Upper
70 100
42 58.0 67.4 101.0#
101 0.0 7.1 10.7#
130 1.7 13.5 20.3#



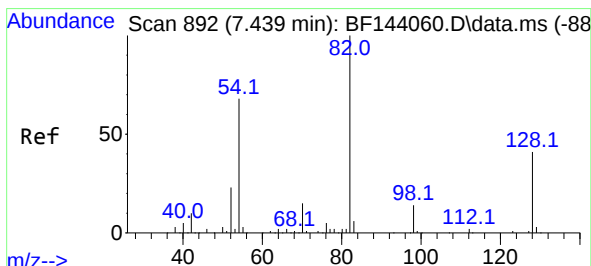
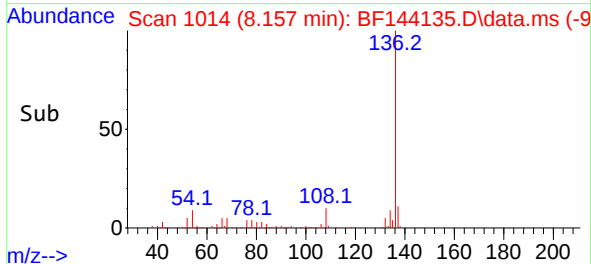
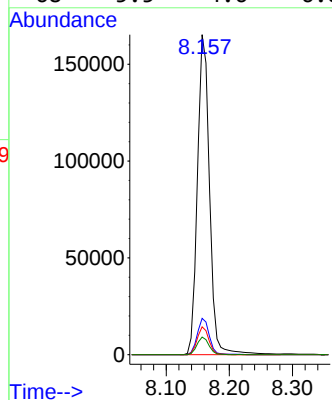
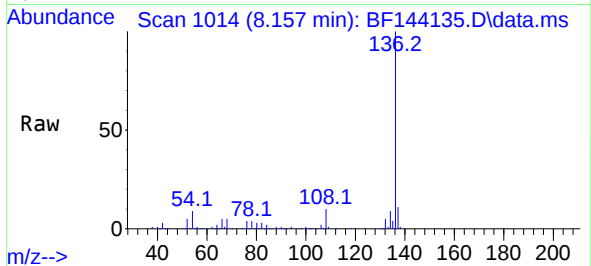


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1014
Delta R.T. -0.006 min
Lab File: BF144135.D
Acq: 29 Oct 2025 18:31

Instrument :
BNA_F
ClientSampleId :
B8-0.0-1.0-20251023

Tgt Ion:136 Resp: 219394

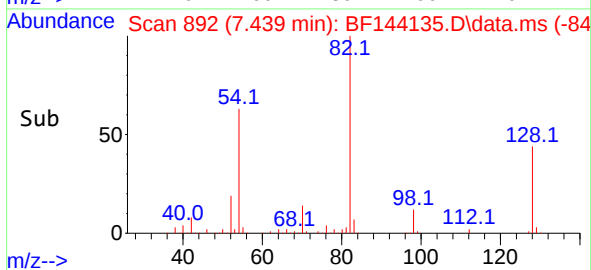
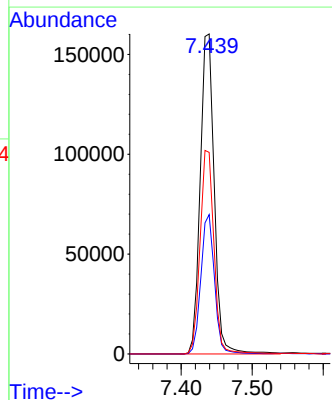
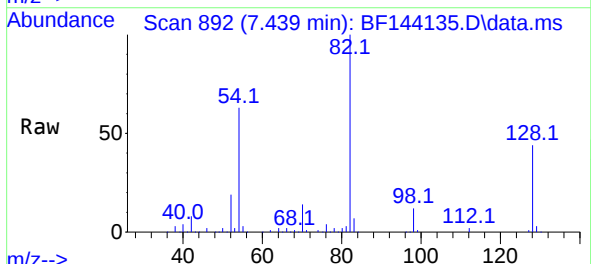
Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.6	13.0
54	8.7	6.6	9.8
68	5.5	4.6	6.8

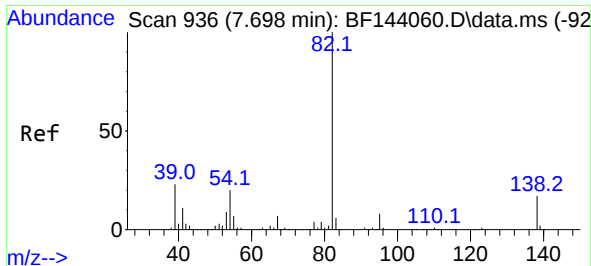


#23
Nitrobenzene-d5
Concen: 55.217 ng
RT: 7.439 min Scan# 892
Delta R.T. -0.000 min
Lab File: BF144135.D
Acq: 29 Oct 2025 18:31

Tgt Ion: 82 Resp: 221116

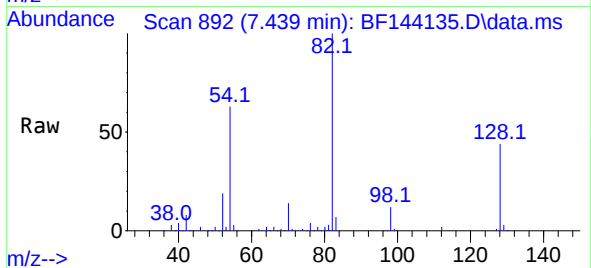
Ion	Ratio	Lower	Upper
82	100		
128	43.5	32.4	48.6
54	63.0	54.0	81.0



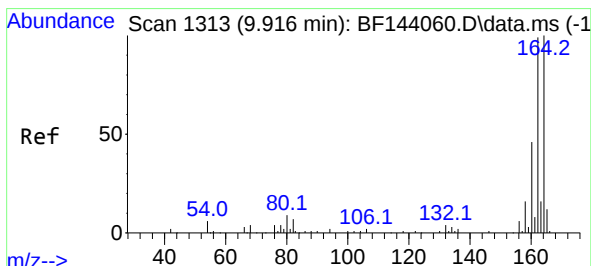
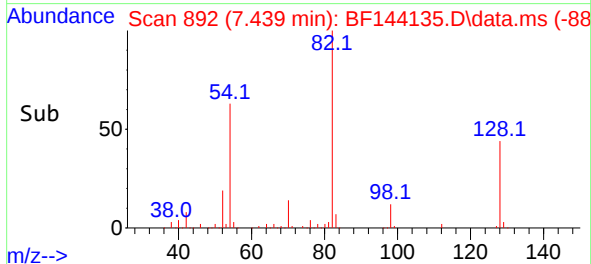
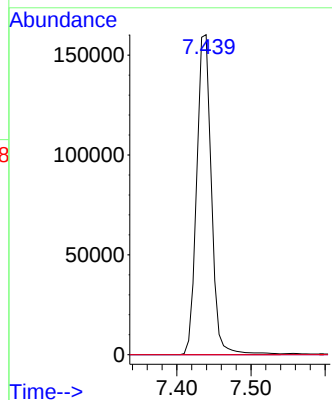


#25
Isophorone
Concen: 31.583 ng
RT: 7.439 min Scan# 892
Delta R.T. -0.259 min
Lab File: BF144135.D
Acq: 29 Oct 2025 18:31

Instrument :
BNA_F
ClientSampleId :
B8-0.0-1.0-20251023

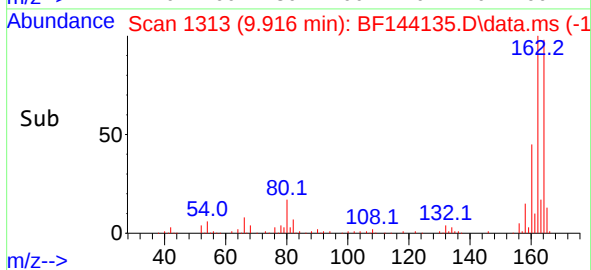
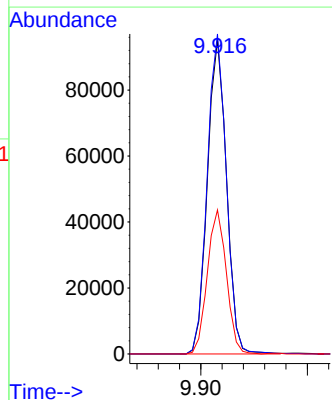
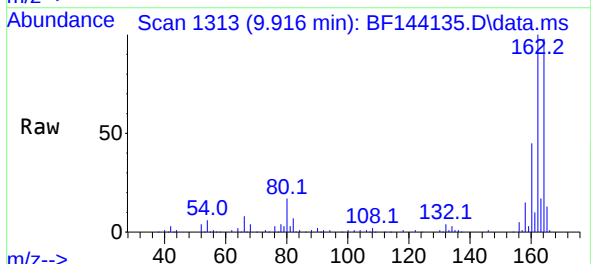


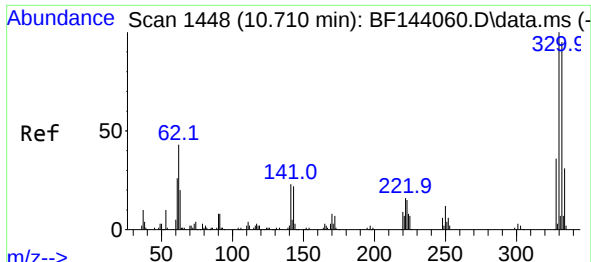
Tgt Ion: 82 Resp: 221113
Ion Ratio Lower Upper
82 100
95 0.0 6.6 9.8#
138 0.0 13.8 20.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1313
Delta R.T. -0.000 min
Lab File: BF144135.D
Acq: 29 Oct 2025 18:31

Tgt Ion:164 Resp: 118691
Ion Ratio Lower Upper
164 100
162 101.9 79.4 119.2
160 45.9 36.7 55.1





#42

2,4,6-Tribromophenol

Concen: 76.588 ng

RT: 10.704 min Scan# 1447

Delta R.T. -0.006 min

Lab File: BF144135.D

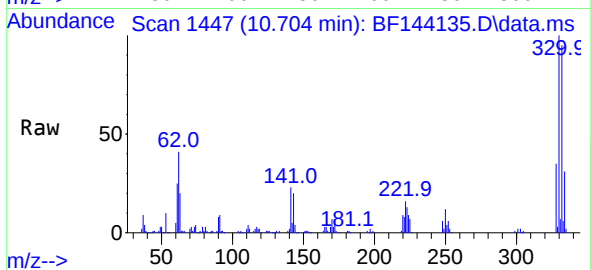
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Instrument :

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ClientSampleId :

B8-0.0-1.0-20251023



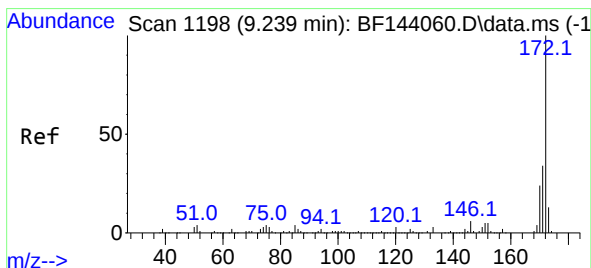
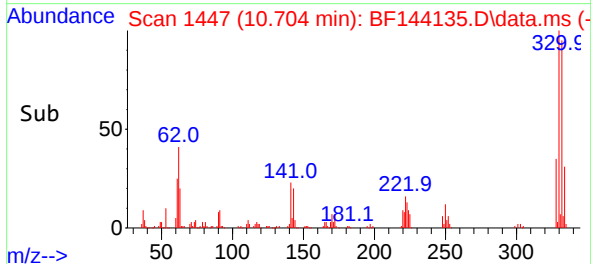
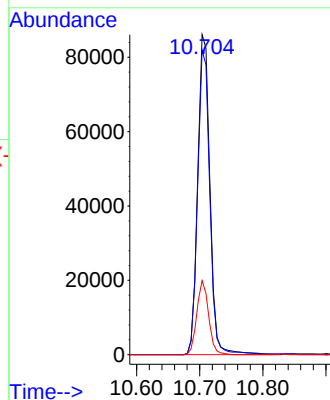
Tgt Ion:330 Resp: 115793

Ion Ratio Lower Upper

330 100

332 94.3 77.0 115.6

141 22.3 19.4 29.0



#45

2-Fluorobiphenyl

Concen: 52.710 ng

RT: 9.233 min Scan# 1197

Delta R.T. -0.006 min

Lab File: BF144135.D

Acq: 29 Oct 2025 18:31

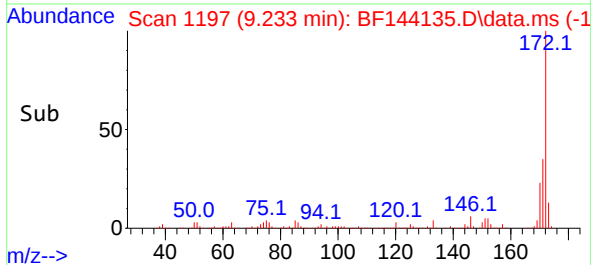
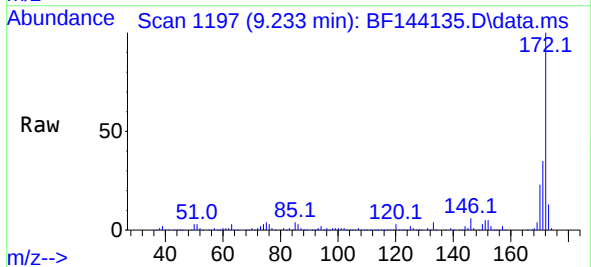
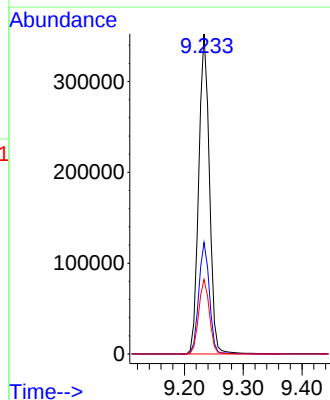
Tgt Ion:172 Resp: 444581

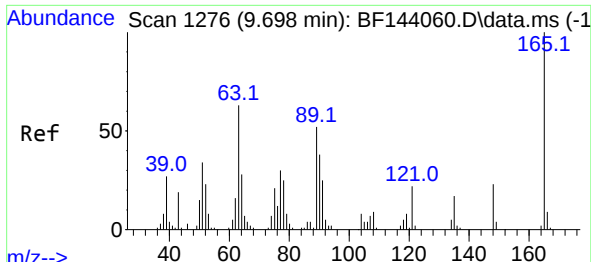
Ion Ratio Lower Upper

172 100

171 34.9 27.5 41.3

170 23.3 19.0 28.6





#51

2,6-Dinitrotoluene

Concen: 10.127 ng

RT: 9.916 min Scan# 11

Delta R.T. 0.218 min

Lab File: BF144135.D

Acq: 29 Oct 2025 18:31

Instrument :

BNA_F

ClientSampleId :

B8-0.0-1.0-20251023

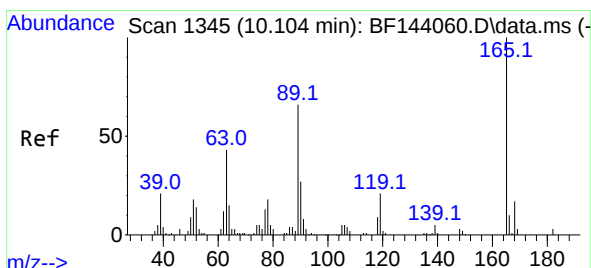
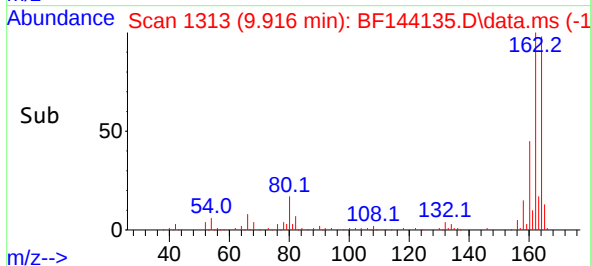
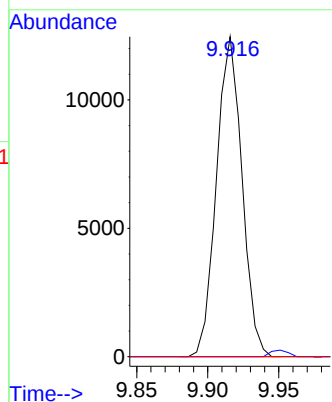
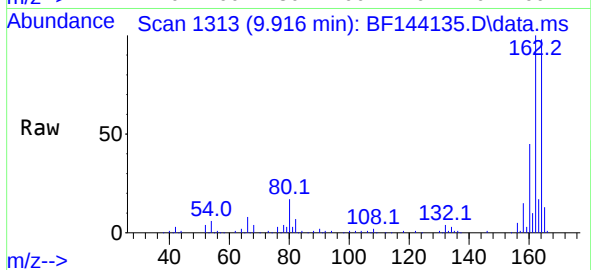
Tgt Ion:165 Resp: 15575

Ion Ratio Lower Upper

165 100

63 0.0 50.4 75.6#

89 0.0 41.4 62.2#



#57

2,4-Dinitrotoluene

Concen: 7.503 ng

RT: 9.916 min Scan# 1313

Delta R.T. -0.188 min

Lab File: BF144135.D

Acq: 29 Oct 2025 18:31

Tgt Ion:165 Resp: 15575

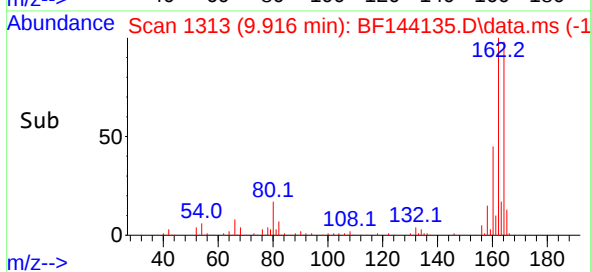
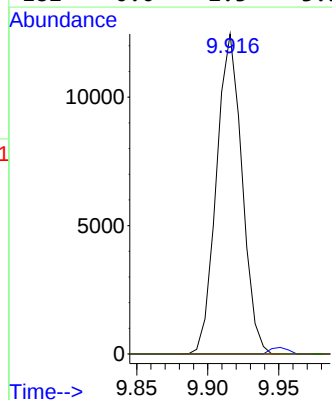
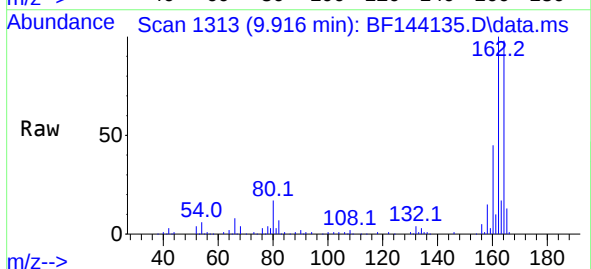
Ion Ratio Lower Upper

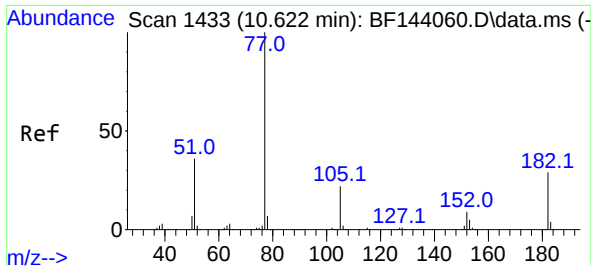
165 100

63 0.0 35.4 53.2#

89 0.0 52.7 79.1#

182 0.0 2.3 3.5#

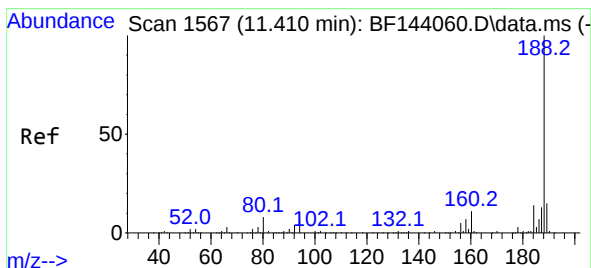
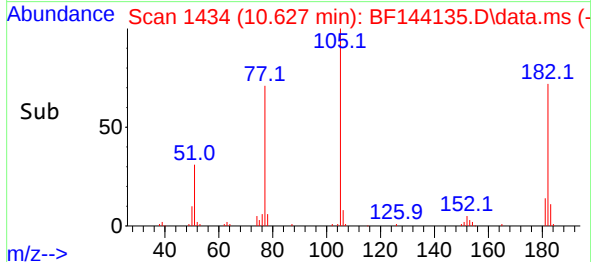
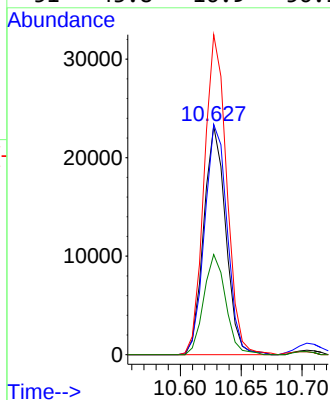
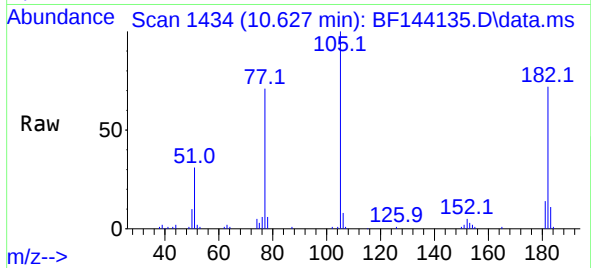




#63
Azobenzene
Concen: 4.211 ng
RT: 10.627 min Scan# 1433
Delta R.T. 0.006 min
Lab File: BF144135.D
Acq: 29 Oct 2025 18:31

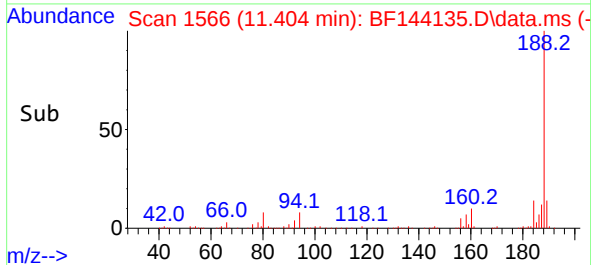
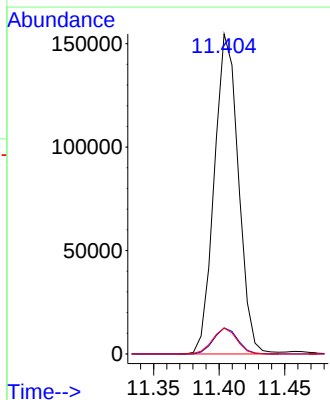
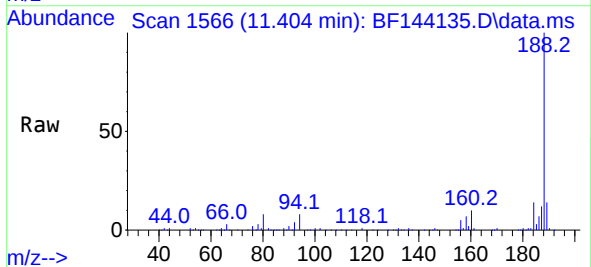
Instrument :
BNA_F
ClientSampleId :
B8-0.0-1.0-20251023

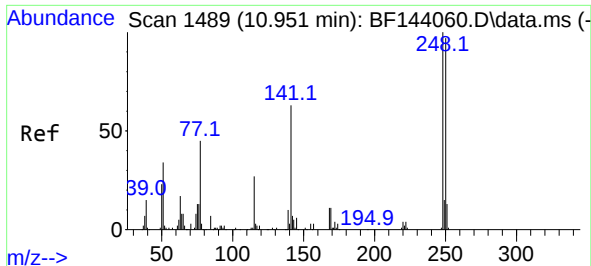
Tgt Ion:	77	Resp:	29162
Ion	Ratio	Lower	Upper
77	100		
182	100.7	9.0	49.0#
105	139.9	1.4	41.4#
51	43.8	16.9	56.9



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1566
Delta R.T. -0.006 min
Lab File: BF144135.D
Acq: 29 Oct 2025 18:31

Tgt Ion:	188	Resp:	197810
Ion	Ratio	Lower	Upper
188	100		
94	8.1	5.4	8.0#
80	8.1	6.0	9.0

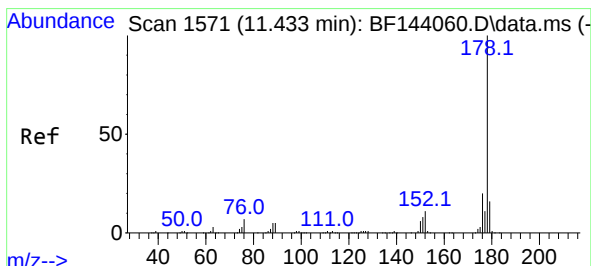
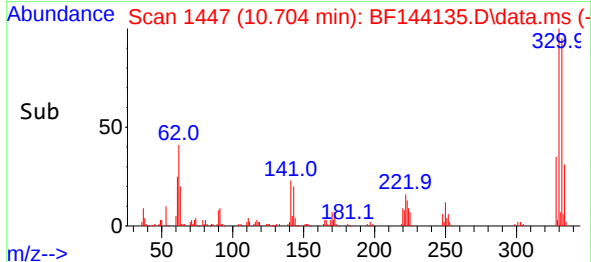
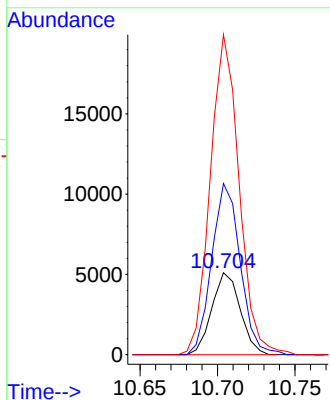
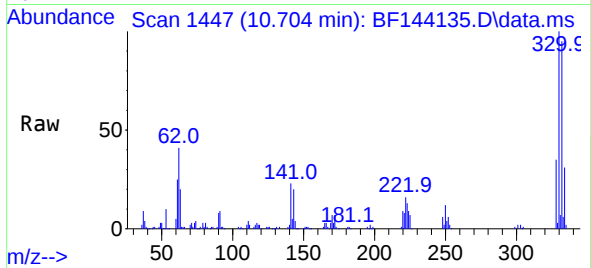




#67
4-Bromophenyl-phenylether
Concen: 2.626 ng
RT: 10.704 min Scan# 1489
Delta R.T. -0.247 min
Lab File: BF144135.D
Acq: 29 Oct 2025 18:31

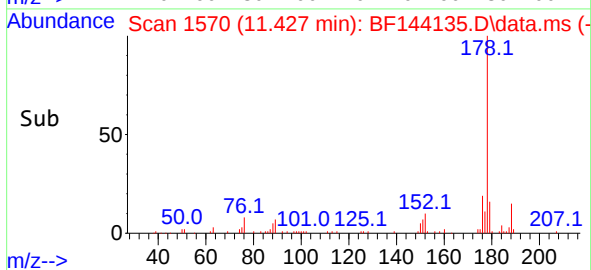
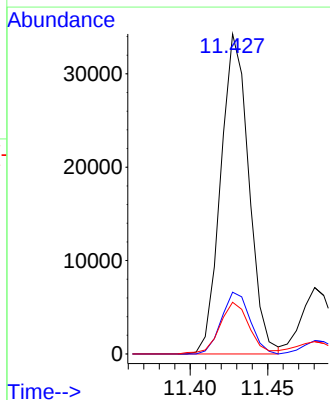
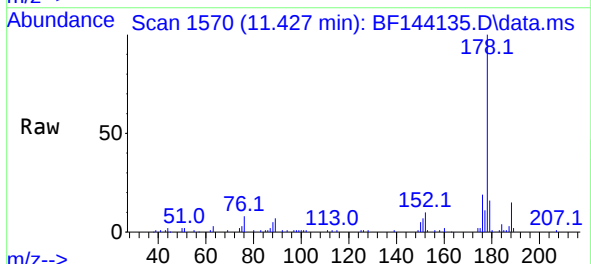
Instrument :
BNA_F
ClientSampleId :
B8-0.0-1.0-20251023

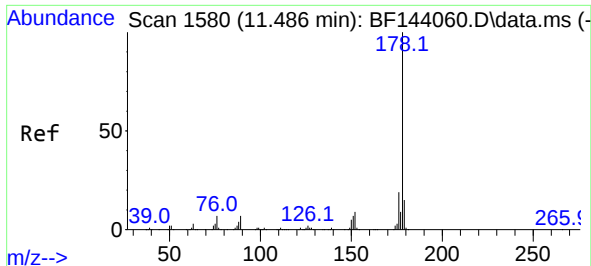
Tgt Ion:248 Resp: 6505
Ion Ratio Lower Upper
248 100
250 208.9 77.8 116.6#
141 390.4 50.5 75.7#



#71
Phenanthrene
Concen: 4.392 ng
RT: 11.427 min Scan# 1570
Delta R.T. -0.006 min
Lab File: BF144135.D
Acq: 29 Oct 2025 18:31

Tgt Ion:178 Resp: 43161
Ion Ratio Lower Upper
178 100
176 19.3 16.3 24.5
179 16.2 12.6 18.8

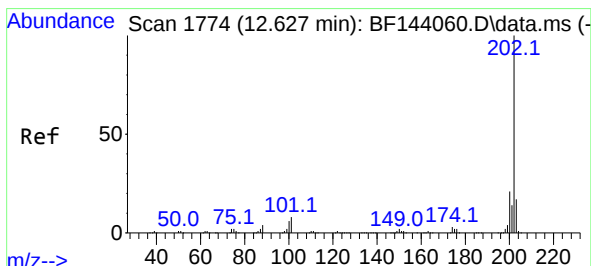
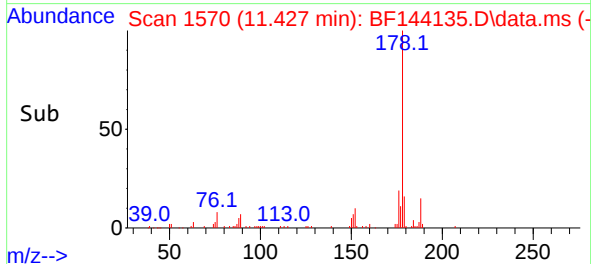
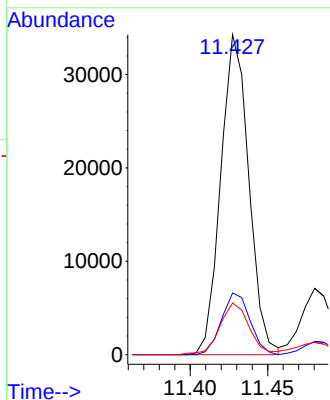
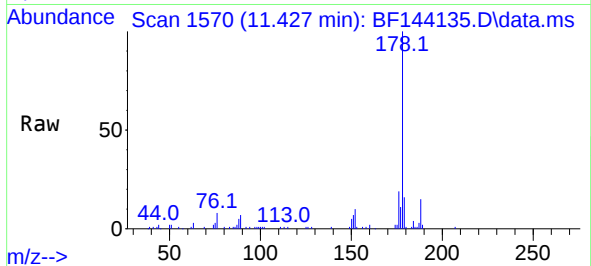




#72
 Anthracene
 Concen: 4.252 ng
 RT: 11.427 min Scan# 11
 Delta R.T. -0.059 min
 Lab File: BF144135.D
 Acq: 29 Oct 2025 18:31

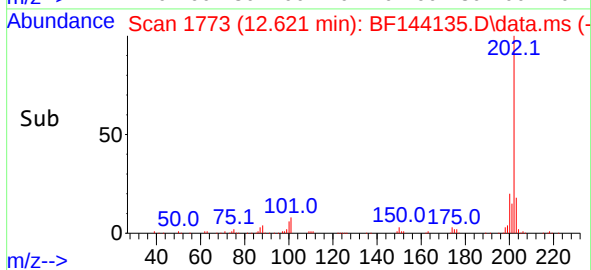
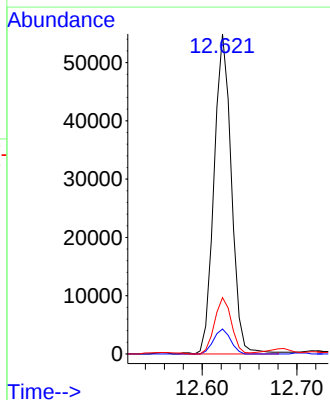
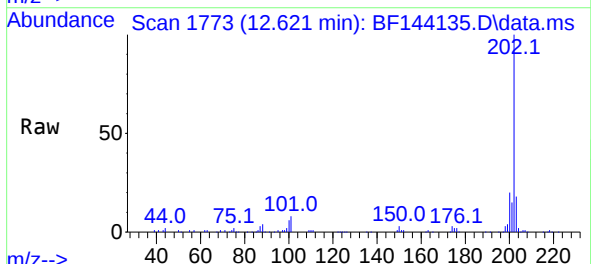
Instrument :
 BNA_F
 ClientSampleId :
 B8-0.0-1.0-20251023

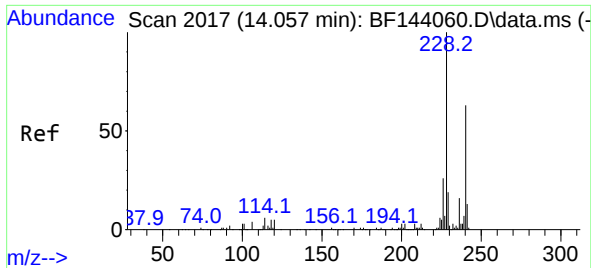
Tgt Ion:	178	Resp:	43161
Ion Ratio	Lower	Upper	
178	100		
176	19.3	15.0	22.4
179	16.2	11.8	17.6



#75
 Fluoranthene
 Concen: 6.440 ng
 RT: 12.621 min Scan# 1773
 Delta R.T. -0.006 min
 Lab File: BF144135.D
 Acq: 29 Oct 2025 18:31

Tgt Ion:	202	Resp:	69912
Ion Ratio	Lower	Upper	
202	100		
101	7.8	0.0	27.7
203	17.6	0.0	37.3

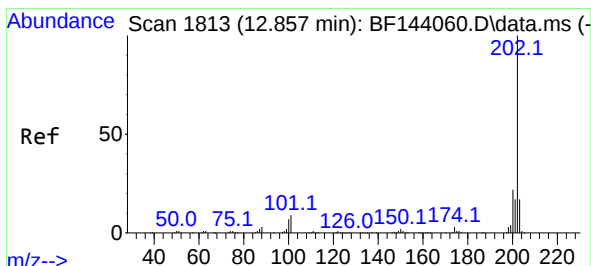
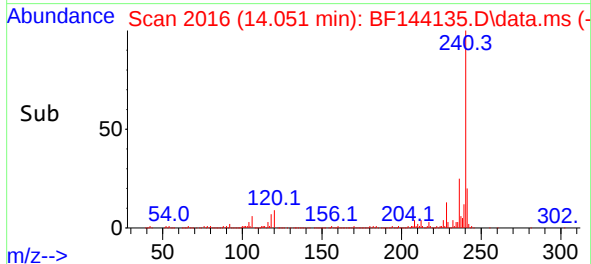
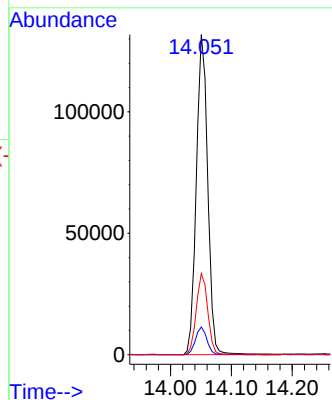
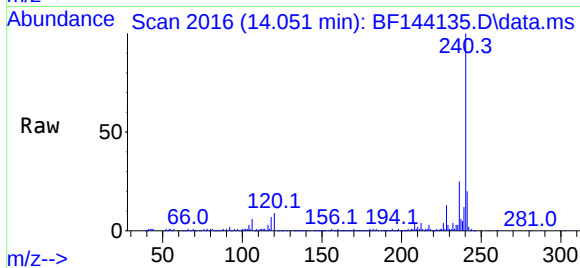




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF144135.D
Acq: 29 Oct 2025 18:31

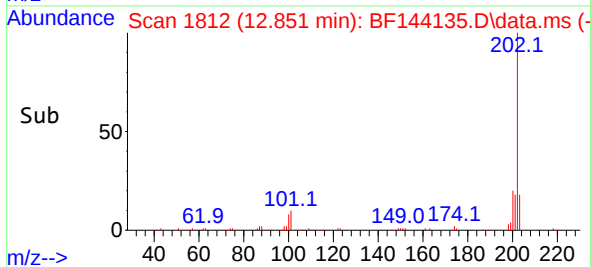
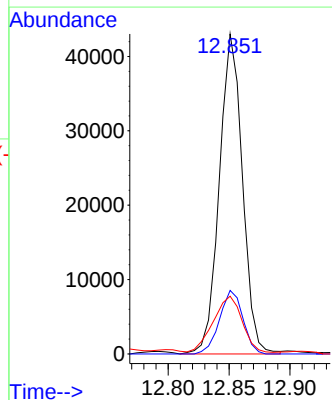
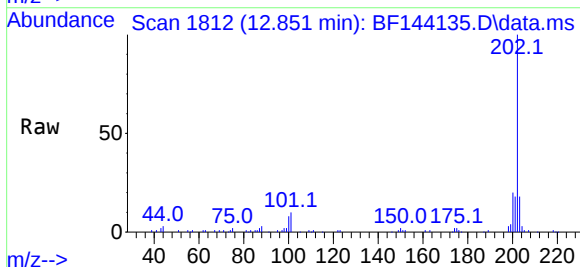
Instrument :
BNA_F
ClientSampleId :
B8-0.0-1.0-20251023

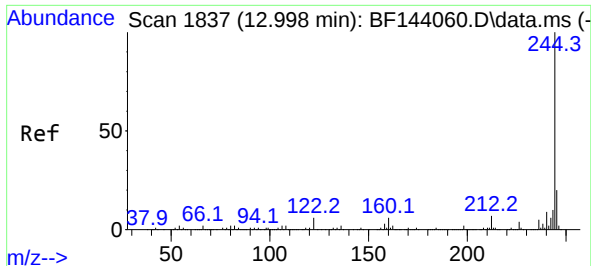
Tgt Ion:240 Resp: 171583
Ion Ratio Lower Upper
240 100
120 8.7 6.5 9.7
236 25.4 20.1 30.1



#78
Pyrene
Concen: 4.614 ng
RT: 12.851 min Scan# 1812
Delta R.T. -0.006 min
Lab File: BF144135.D
Acq: 29 Oct 2025 18:31

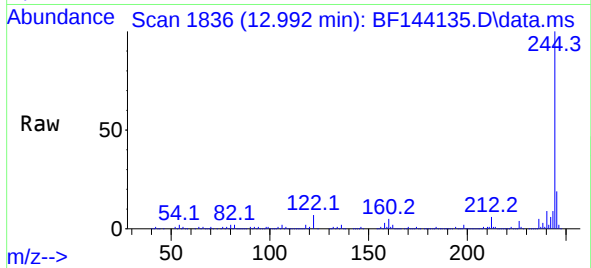
Tgt Ion:202 Resp: 56918
Ion Ratio Lower Upper
202 100
200 19.9 17.2 25.8
203 18.0 13.5 20.3



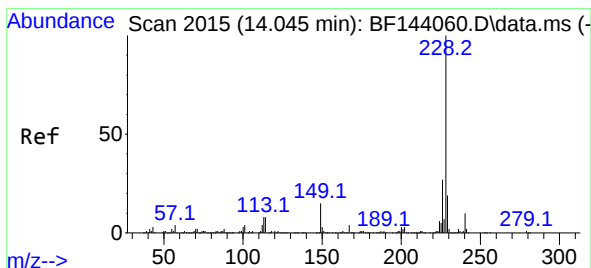
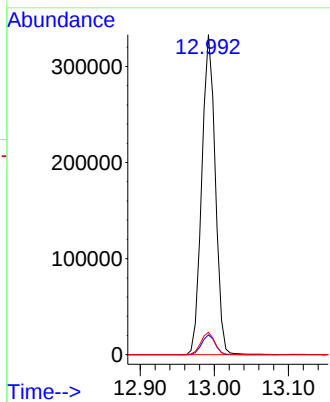
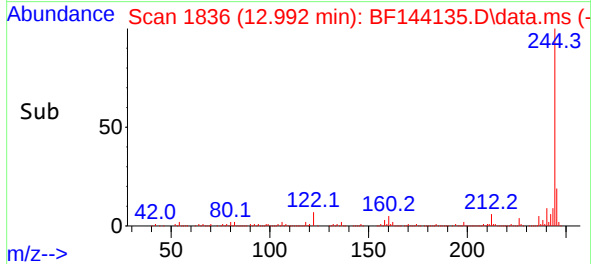


#79
Terphenyl-d14
Concen: 43.026 ng
RT: 12.992 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF144135.D
Acq: 29 Oct 2025 18:31

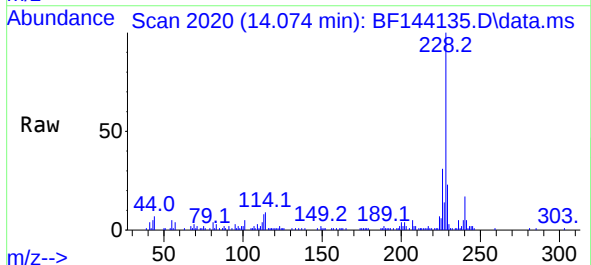
Instrument :
BNA_F
ClientSampleId :
B8-0.0-1.0-20251023



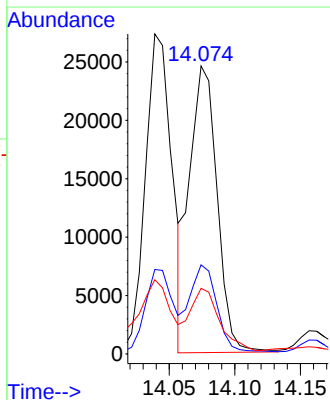
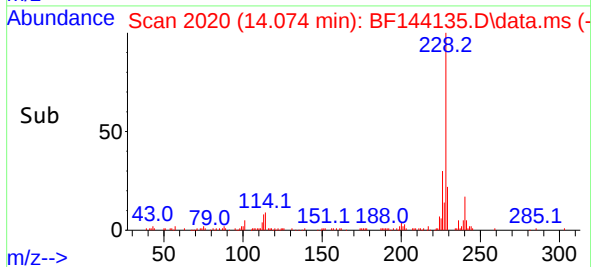
Tgt Ion:244 Resp: 422291
Ion Ratio Lower Upper
244 100
212 6.2 5.8 8.6
122 7.0 4.9 7.3

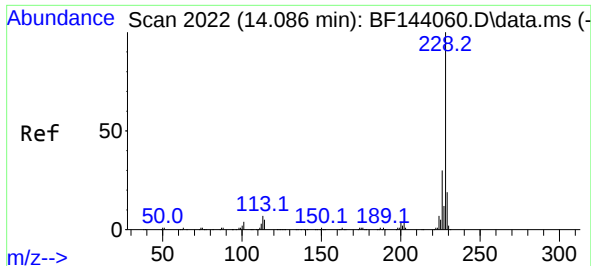


#81
Benzo(a)anthracene
Concen: 3.109 ng
RT: 14.074 min Scan# 2020
Delta R.T. 0.029 min
Lab File: BF144135.D
Acq: 29 Oct 2025 18:31



Tgt Ion:228 Resp: 36048
Ion Ratio Lower Upper
228 100
226 31.0 21.4 32.2
229 22.8 15.3 22.9

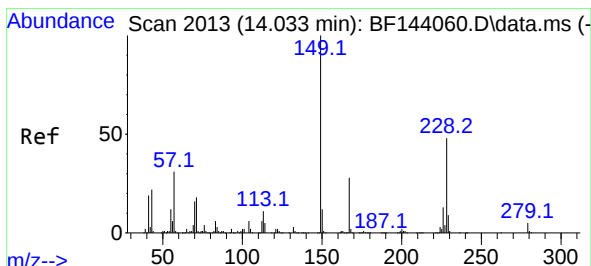
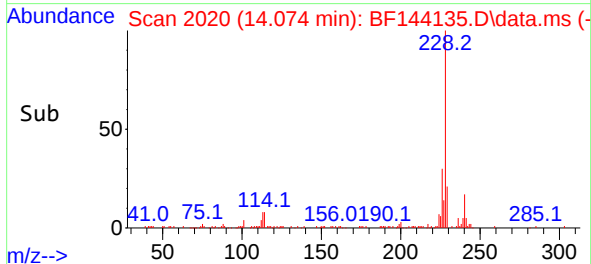
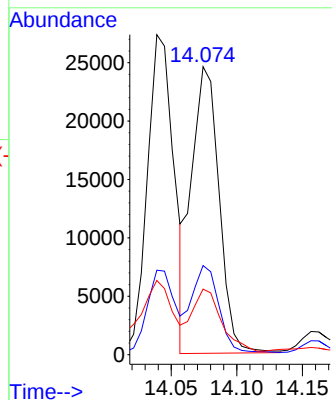
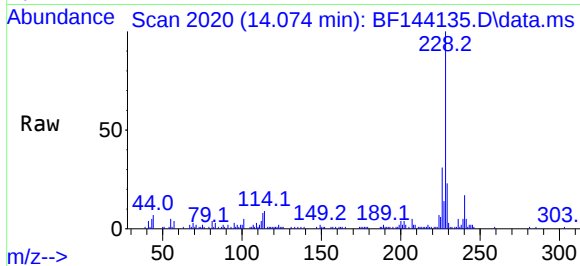




#83
Chrysene
Concen: 3.313 ng
RT: 14.074 min Scan# 2012
Delta R.T. -0.012 min
Lab File: BF144135.D
Acq: 29 Oct 2025 18:31

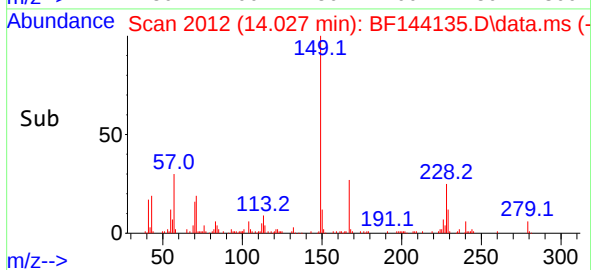
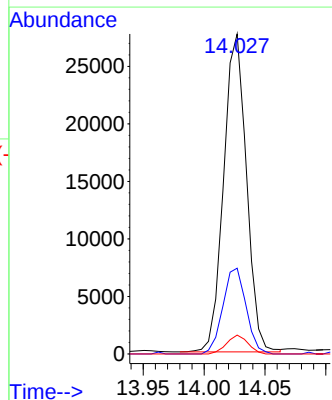
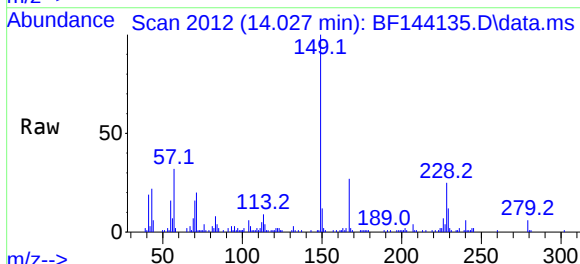
Instrument :
BNA_F
ClientSampleId :
B8-0.0-1.0-20251023

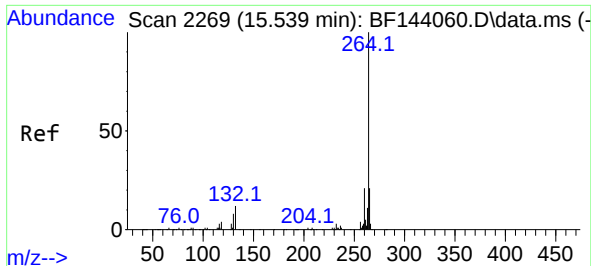
Tgt Ion:228	Resp:	36048
Ion Ratio	Lower	Upper
228	100	
226	31.0	23.8 35.6
229	22.8	15.6 23.4



#84
Bis(2-ethylhexyl)phthalate
Concen: 5.668 ng
RT: 14.027 min Scan# 2012
Delta R.T. -0.006 min
Lab File: BF144135.D
Acq: 29 Oct 2025 18:31

Tgt Ion:149	Resp:	36111
Ion Ratio	Lower	Upper
149	100	
167	26.8	22.5 33.7
279	5.9	3.6 5.4

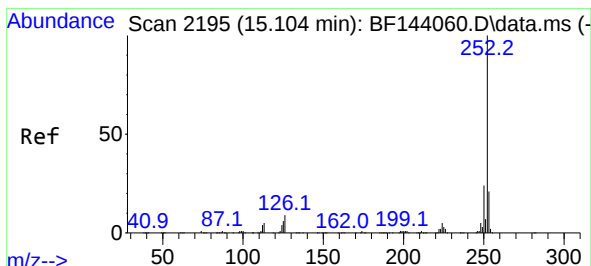
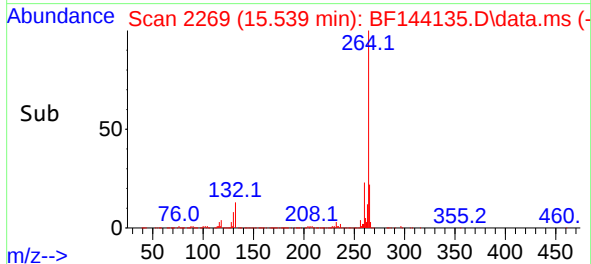
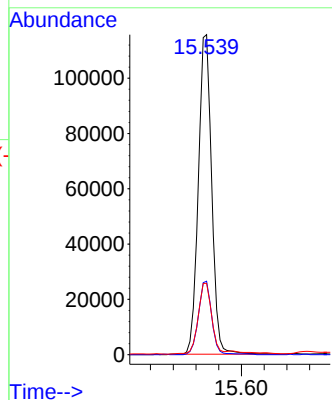
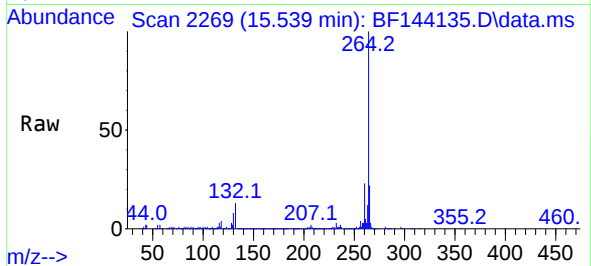




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.539 min Scan# 2194
Delta R.T. -0.000 min
Lab File: BF144135.D
Acq: 29 Oct 2025 18:31

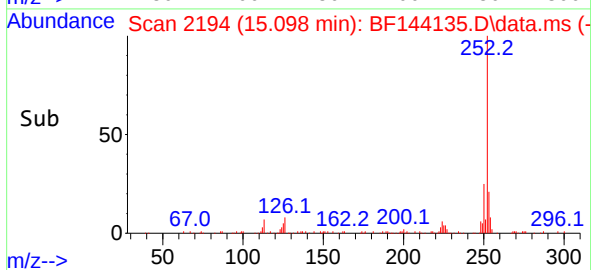
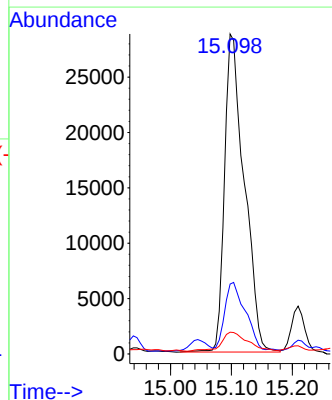
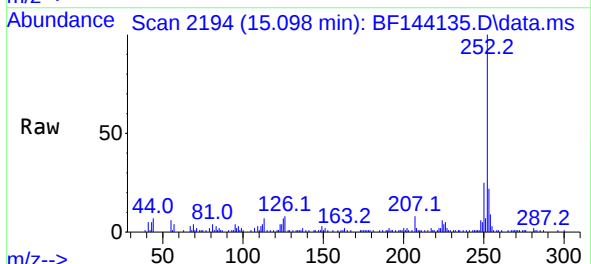
Instrument :
BNA_F
ClientSampleId :
B8-0.0-1.0-20251023

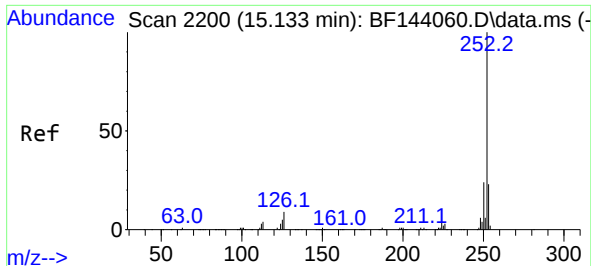
Tgt Ion:264 Resp: 188901
Ion Ratio Lower Upper
264 100
260 22.9 17.0 25.4
265 22.3 16.6 24.8



#88
Benzo(b)fluoranthene
Concen: 6.054 ng
RT: 15.098 min Scan# 2194
Delta R.T. -0.006 min
Lab File: BF144135.D
Acq: 29 Oct 2025 18:31

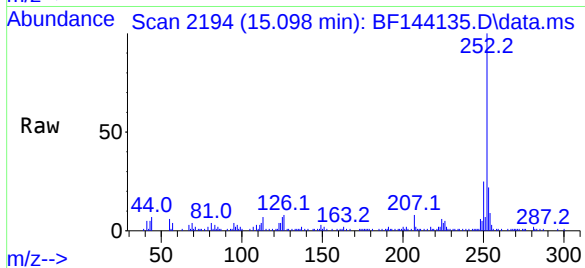
Tgt Ion:252 Resp: 64653
Ion Ratio Lower Upper
252 100
253 21.9 17.2 25.8
125 6.8 5.0 7.6



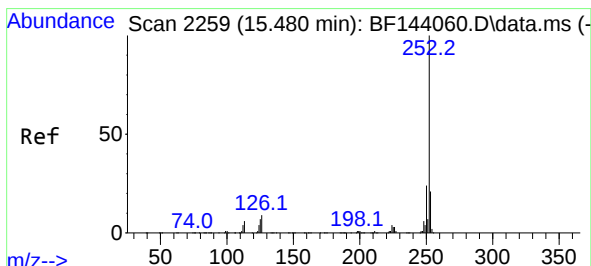
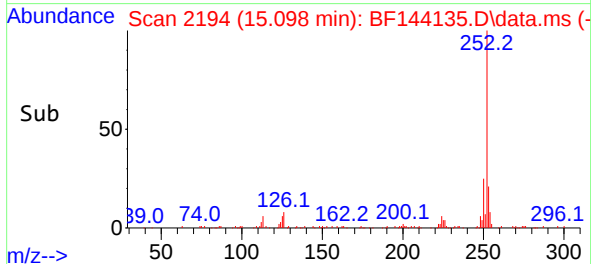
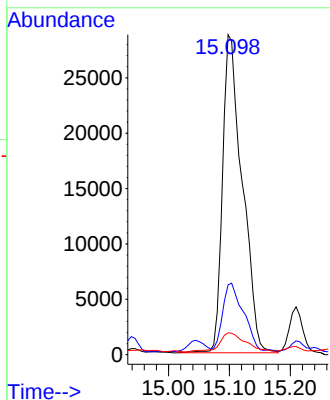


#89
Benzo(k)fluoranthene
Concen: 6.562 ng
RT: 15.098 min Scan# 2194
Delta R.T. -0.035 min
Lab File: BF144135.D
Acq: 29 Oct 2025 18:31

Instrument :
BNA_F
ClientSampleId :
B8-0.0-1.0-20251023



Tgt Ion:252 Resp: 64653
Ion Ratio Lower Upper
252 100
253 21.9 17.4 26.2
125 6.8 4.9 7.3



#90
Benzo(a)pyrene
Concen: 3.154 ng
RT: 15.468 min Scan# 2257
Delta R.T. -0.012 min
Lab File: BF144135.D
Acq: 29 Oct 2025 18:31

Tgt Ion:252 Resp: 30218
Ion Ratio Lower Upper
252 100
253 21.6 17.1 25.7
125 8.8 5.4 8.2#

