

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120325\
 Data File : BF144420.D
 Acq On : 03 Dec 2025 15:36
 Operator : RC/JU
 Sample : Q3741-02
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B50-SP13-112025

Quant Time: Dec 03 15:56:36 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 05 18:37:33 2025
 Response via : Initial Calibration

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

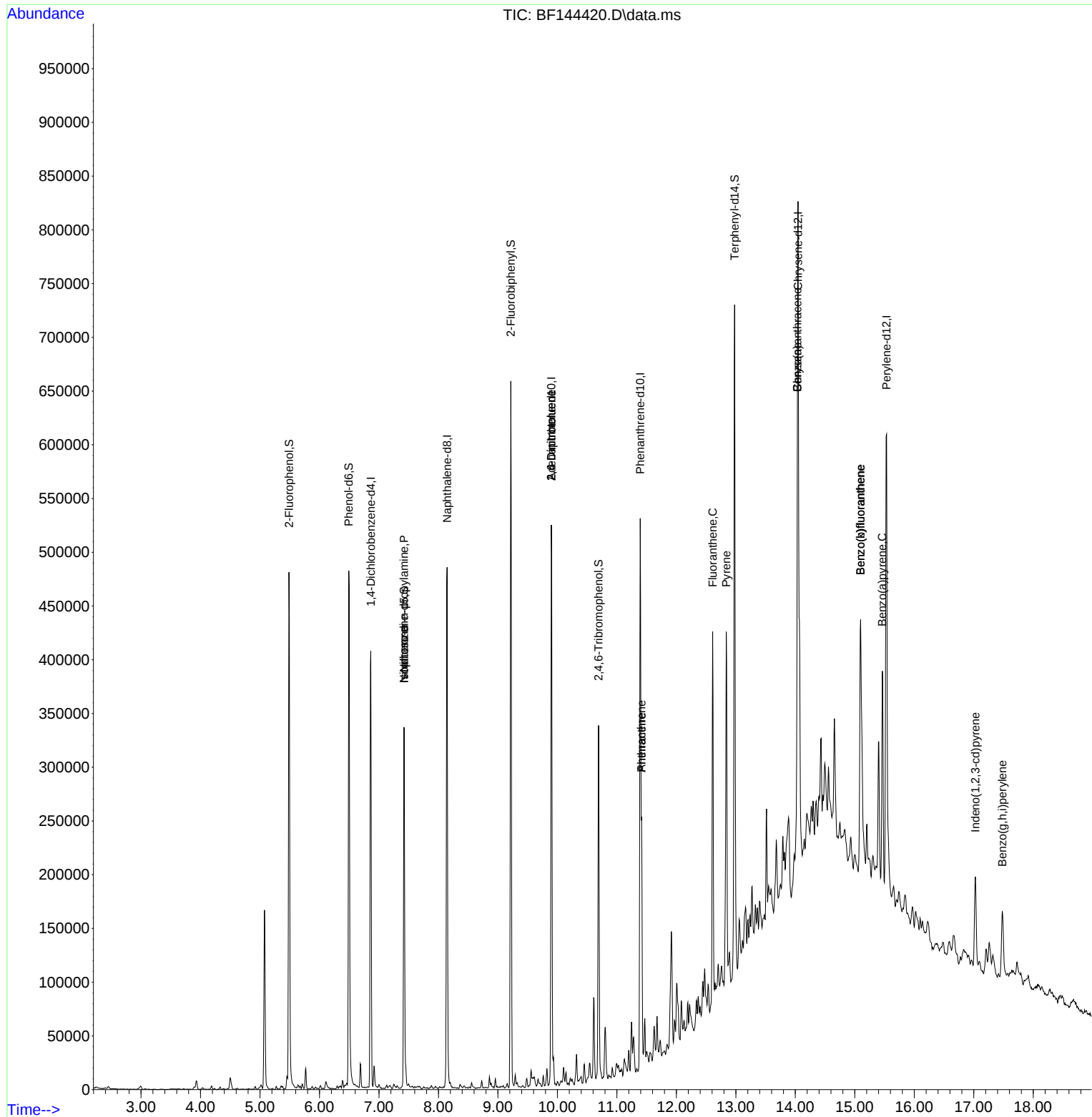
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.863	152	88360	20.000	ng	-0.01
21) Naphthalene-d8	8.145	136	321604	20.000	ng	-0.01
39) Acenaphthene-d10	9.898	164	169125	20.000	ng	-0.02
64) Phenanthrene-d10	11.392	188	275703	20.000	ng	-0.01
76) Chrysene-d12	14.045	240	255767	20.000	ng	0.00
86) Perylene-d12	15.533	264	296885	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	204468	36.212	ng	0.00
7) Phenol-d6	6.493	99	232644	36.363	ng	0.00
23) Nitrobenzene-d5	7.422	82	144028	25.865	ng	-0.01
42) 2,4,6-Tribromophenol	10.692	330	68036	32.057	ng	-0.01
45) 2-Fluorobiphenyl	9.216	172	306402	26.757	ng	-0.01
79) Terphenyl-d14	12.980	244	332358	20.641	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.422	70	20781	4.934	ng	# 77
25) Isophorone	7.422	82	144044	13.676	ng	# 66
51) 2,6-Dinitrotoluene	9.898	165	23152	10.208	ng	# 28
57) 2,4-Dinitrotoluene	9.898	165	23152	7.625	ng	# 28
71) Phenanthrene	11.416	178	122795	8.946	ng	98
72) Anthracene	11.416	178	122795	8.798	ng	98
75) Fluoranthene	12.610	202	201389	14.202	ng	100
78) Pyrene	12.839	202	195470	9.479	ng	98
81) Benzo(a)anthracene	14.033	228	137286	7.745	ng	97
83) Chrysene	14.033	228	137286	8.390	ng	97
87) Indeno(1,2,3-cd)pyrene	17.027	276	62628	2.939	ng	98
88) Benzo(b)fluoranthene	15.098	252	230847	13.677	ng	# 97
89) Benzo(k)fluoranthene	15.098	252	230847	14.612	ng	# 98
90) Benzo(a)pyrene	15.463	252	134237	8.621	ng	# 94
92) Benzo(g,h,i)perylene	17.480	276	58093	3.437	ng	95

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

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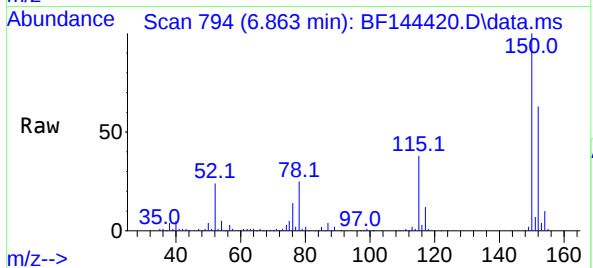
Quant Time: Dec 03 15:56:36 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
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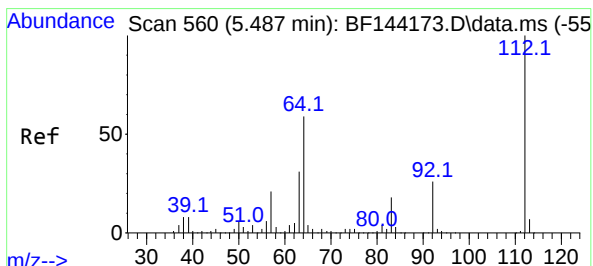
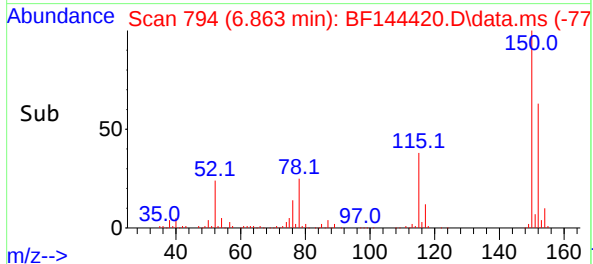
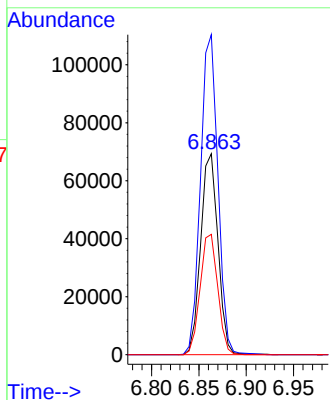


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.863 min Scan# 79
Delta R.T. -0.012 min
Lab File: BF144420.D
Acq: 03 Dec 2025 15:36

Instrument :
BNA_F
ClientSampleId :
B50-SP13-112025

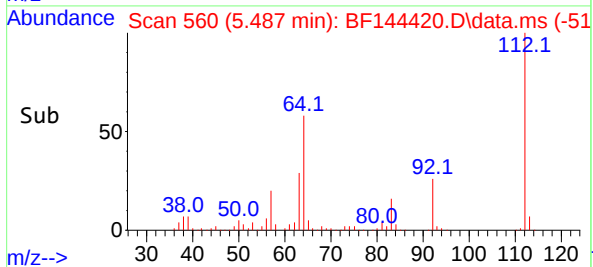
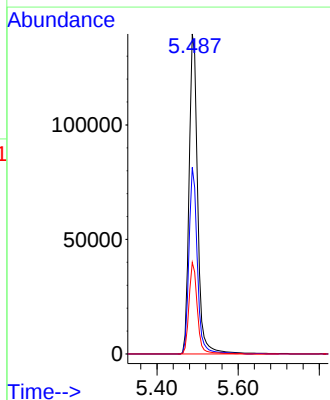
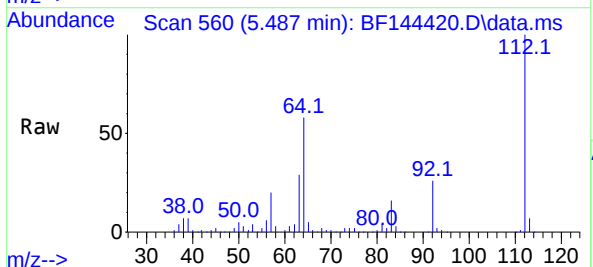


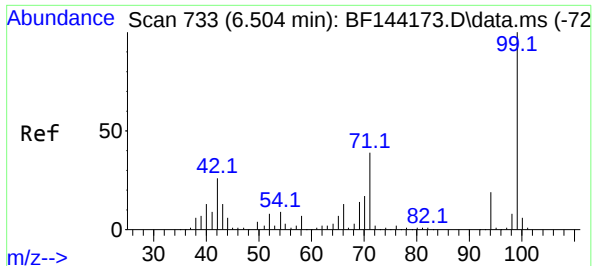
Tgt Ion:152 Resp: 88360
Ion Ratio Lower Upper
152 100
150 159.2 127.4 191.0
115 59.9 49.5 74.3



#5
2-Fluorophenol
Concen: 36.212 ng
RT: 5.487 min Scan# 560
Delta R.T. -0.006 min
Lab File: BF144420.D
Acq: 03 Dec 2025 15:36

Tgt Ion:112 Resp: 204468
Ion Ratio Lower Upper
112 100
64 58.3 47.2 70.8
63 28.6 24.4 36.6

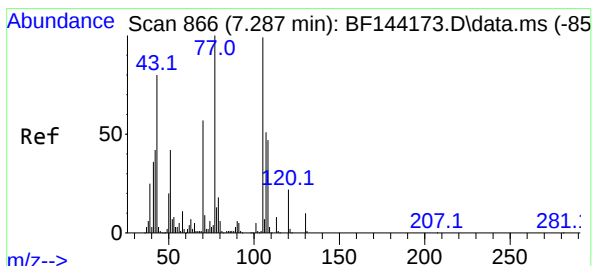
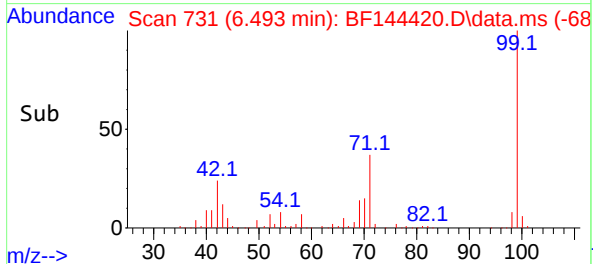
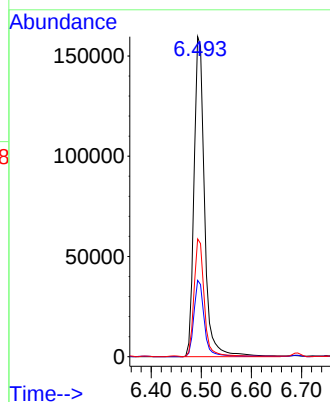
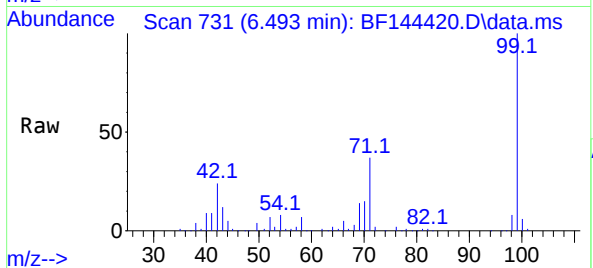




#7
Phenol-d6
Concen: 36.363 ng
RT: 6.493 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF144420.D
Acq: 03 Dec 2025 15:36

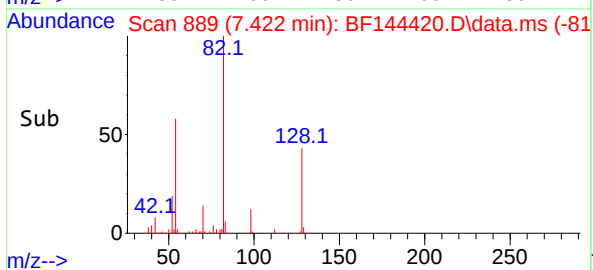
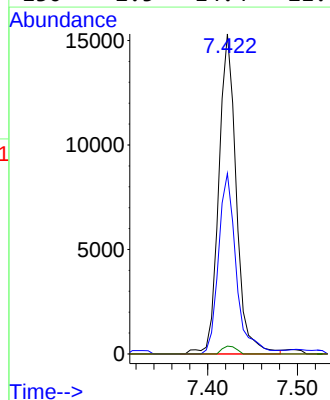
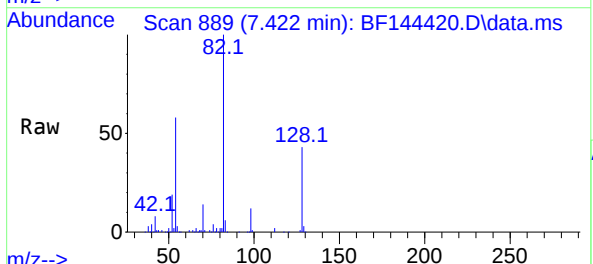
Instrument :
BNA_F
ClientSampleId :
B50-SP13-112025

Tgt Ion: 99 Resp: 232644
Ion Ratio Lower Upper
99 100
42 23.9 20.9 31.3
71 36.8 31.4 47.2



#19
n-Nitroso-di-n-propylamine
Concen: 4.934 ng
RT: 7.422 min Scan# 889
Delta R.T. 0.147 min
Lab File: BF144420.D
Acq: 03 Dec 2025 15:36

Tgt Ion: 70 Resp: 20781
Ion Ratio Lower Upper
70 100
42 56.4 58.3 87.5#
101 0.0 7.0 10.6#
130 2.5 14.4 21.6#



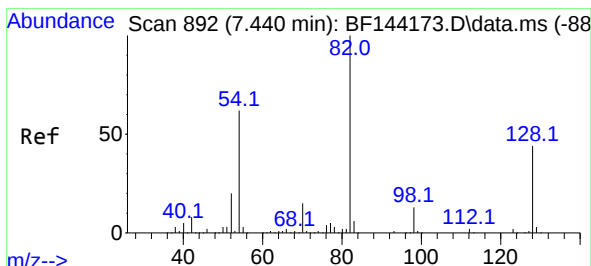
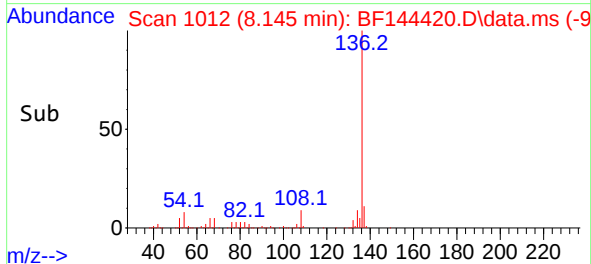
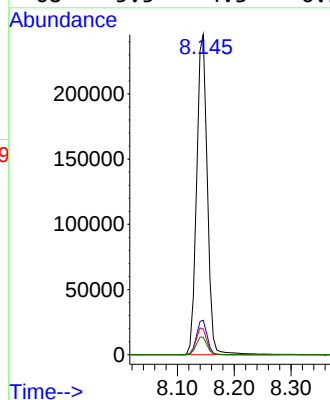
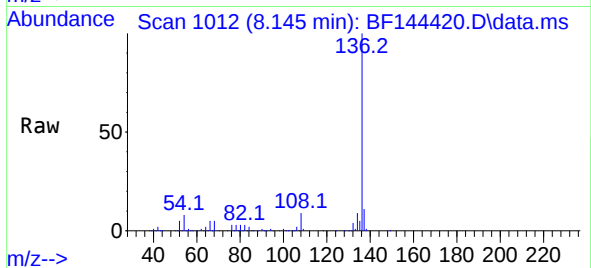


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.145 min Scan# 1012
Delta R.T. -0.012 min
Lab File: BF144420.D
Acq: 03 Dec 2025 15:36

Instrument :
BNA_F
ClientSampleId :
B50-SP13-112025

Tgt Ion:136 Resp: 321604

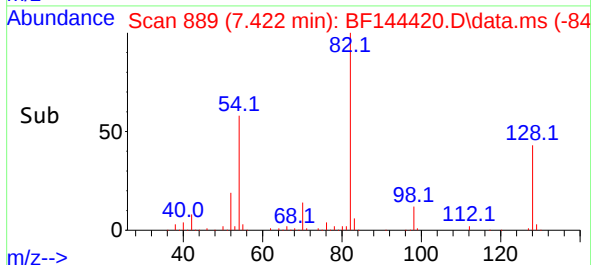
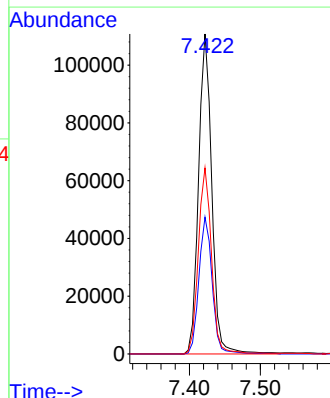
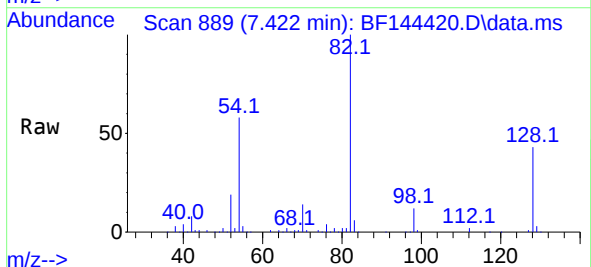
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.6	13.0
54	8.1	7.0	10.6
68	5.5	4.3	6.5

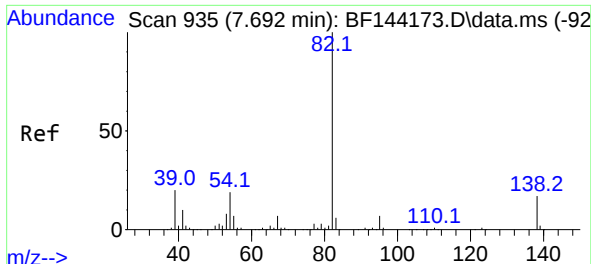


#23
Nitrobenzene-d5
Concen: 25.865 ng
RT: 7.422 min Scan# 889
Delta R.T. -0.012 min
Lab File: BF144420.D
Acq: 03 Dec 2025 15:36

Tgt Ion: 82 Resp: 144028

Ion	Ratio	Lower	Upper
82	100		
128	42.8	34.7	52.1
54	58.2	49.5	74.3

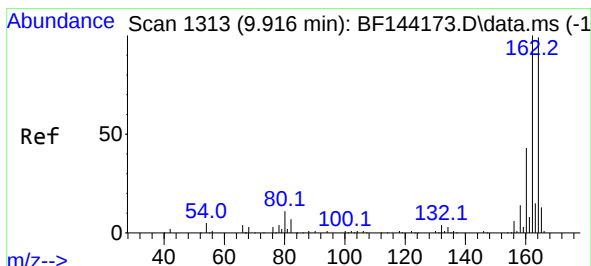
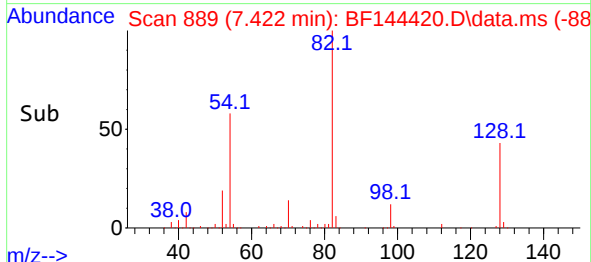
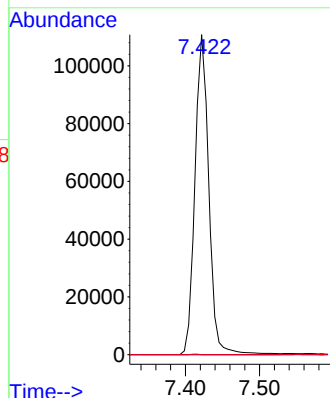
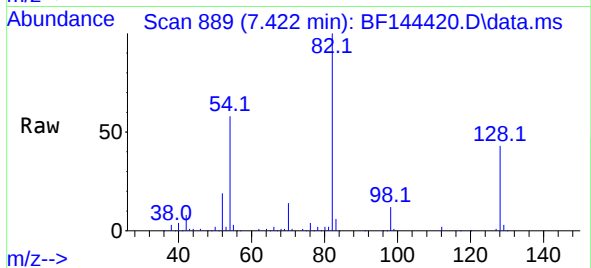




#25
Isophorone
Concen: 13.676 ng
RT: 7.422 min Scan# 81
Delta R.T. -0.265 min
Lab File: BF144420.D
Acq: 03 Dec 2025 15:36

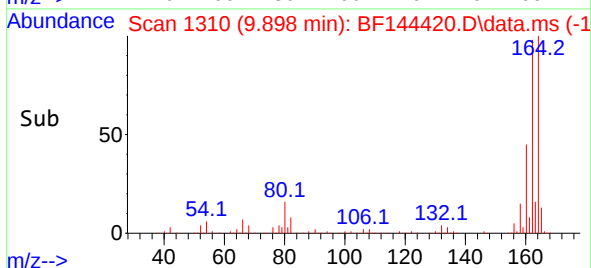
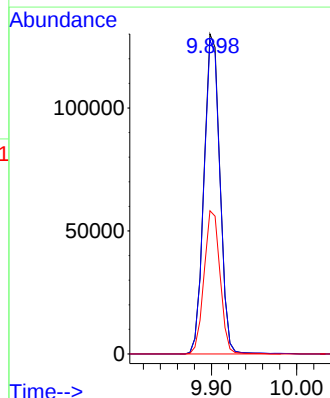
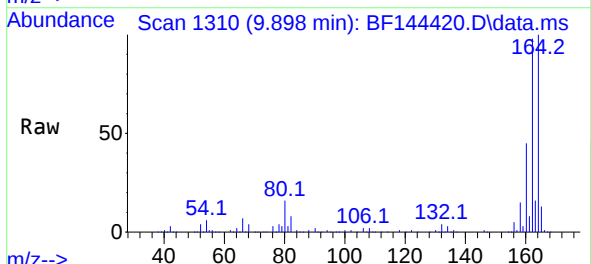
Instrument :
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ClientSampleId :
B50-SP13-112025

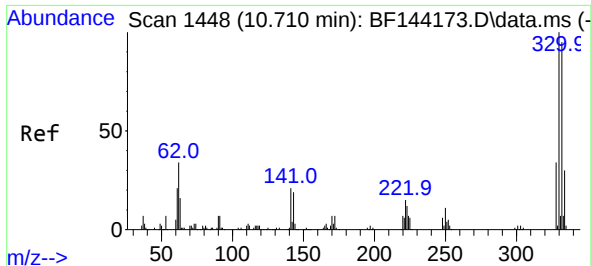
Tgt Ion: 82 Resp: 144044
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 13.7 20.5#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.898 min Scan# 1310
Delta R.T. -0.018 min
Lab File: BF144420.D
Acq: 03 Dec 2025 15:36

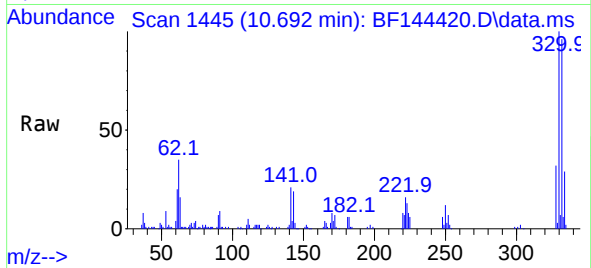
Tgt Ion:164 Resp: 169125
Ion Ratio Lower Upper
164 100
162 98.1 81.1 121.7
160 44.8 34.5 51.7



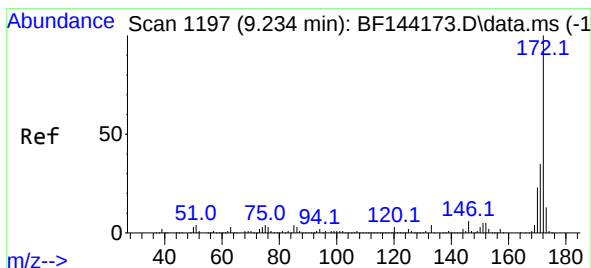
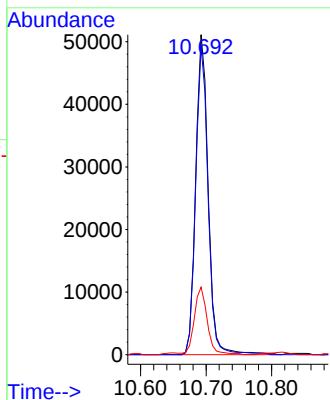
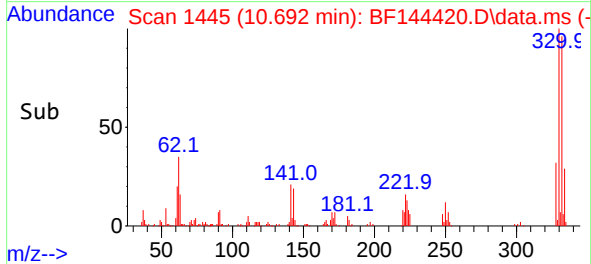


#42
2,4,6-Tribromophenol
Concen: 32.057 ng
RT: 10.692 min Scan# 1445
Delta R.T. -0.012 min
Lab File: BF144420.D
Acq: 03 Dec 2025 15:36

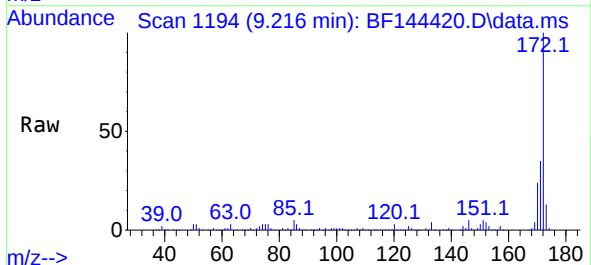
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ClientSampleId :
B50-SP13-112025



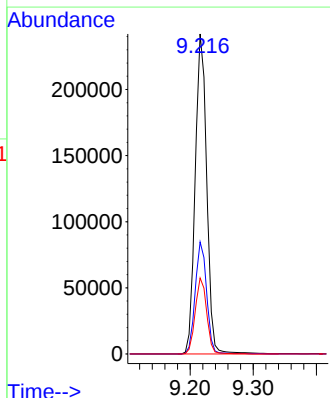
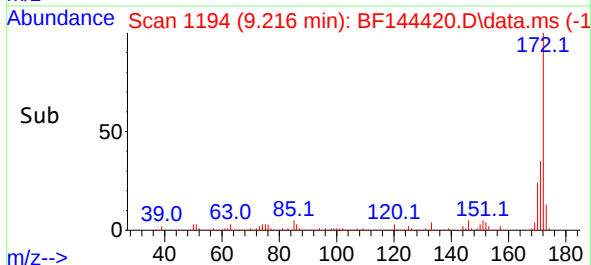
Tgt Ion:330 Resp: 68036
Ion Ratio Lower Upper
330 100
332 94.8 76.7 115.1
141 21.8 17.8 26.8



#45
2-Fluorobiphenyl
Concen: 26.757 ng
RT: 9.216 min Scan# 1194
Delta R.T. -0.012 min
Lab File: BF144420.D
Acq: 03 Dec 2025 15:36



Tgt Ion:172 Resp: 306402
Ion Ratio Lower Upper
172 100
171 35.0 28.1 42.1
170 23.7 18.6 28.0

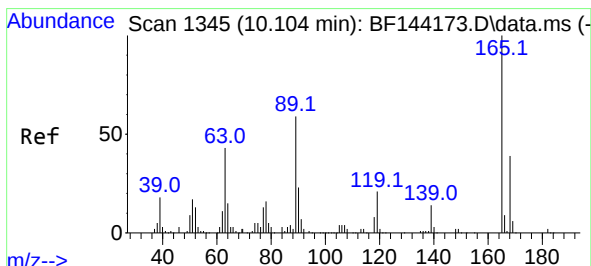
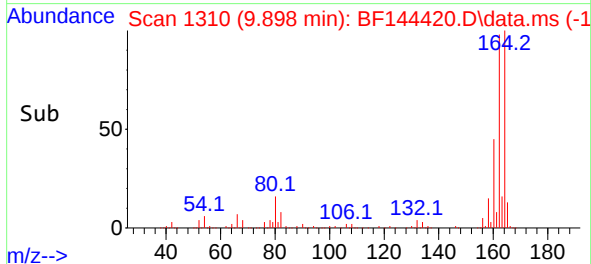
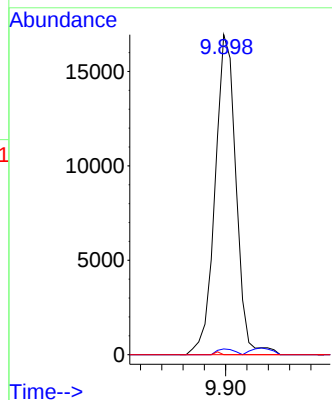
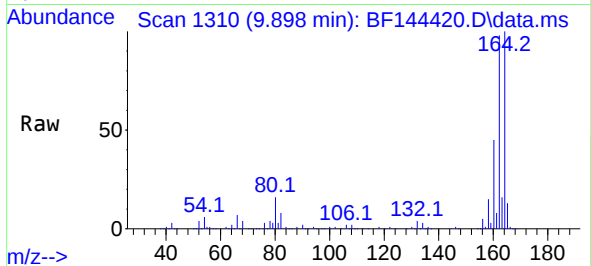




#51
2,6-Dinitrotoluene
Concen: 10.208 ng
RT: 9.898 min Scan# 11
Delta R.T. 0.206 min
Lab File: BF144420.D
Acq: 03 Dec 2025 15:36

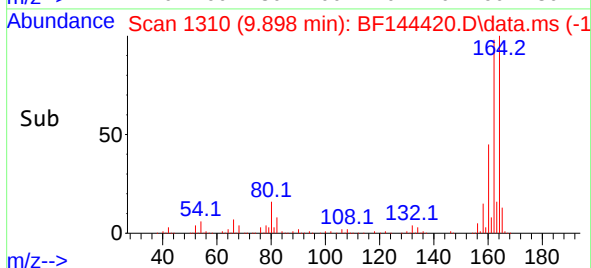
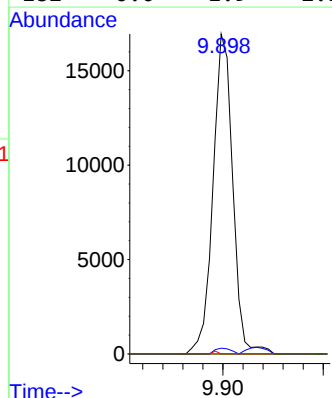
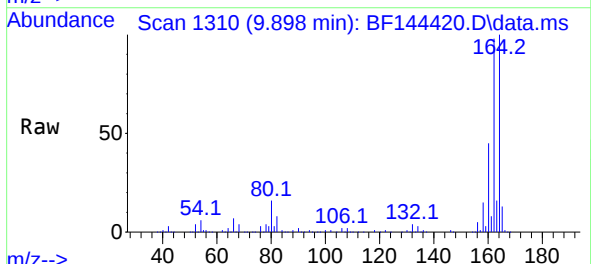
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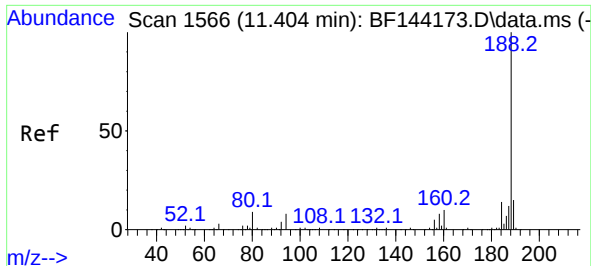
Tgt Ion:165 Resp: 23152
Ion Ratio Lower Upper
165 100
63 1.8 43.8 65.8#
89 0.0 37.5 56.3#



#57
2,4-Dinitrotoluene
Concen: 7.625 ng
RT: 9.898 min Scan# 1310
Delta R.T. -0.200 min
Lab File: BF144420.D
Acq: 03 Dec 2025 15:36

Tgt Ion:165 Resp: 23152
Ion Ratio Lower Upper
165 100
63 1.8 35.5 53.3#
89 0.0 47.4 71.2#
182 0.0 1.9 2.9#

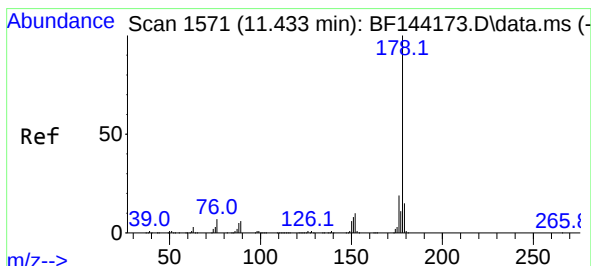
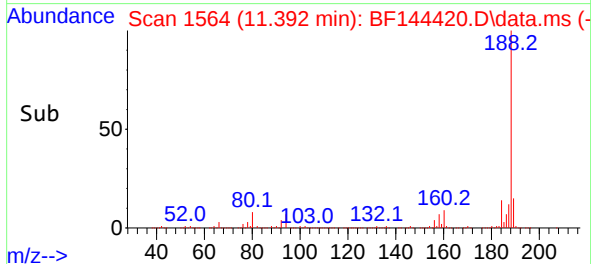
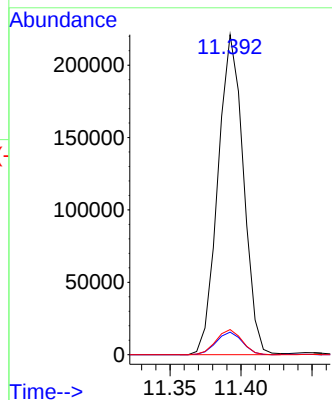
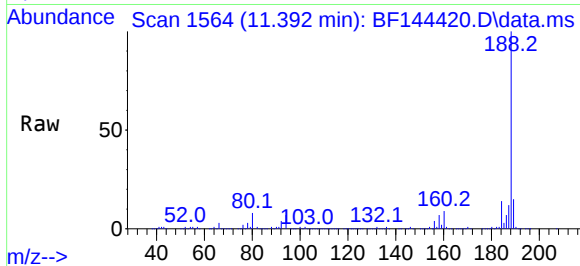




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.392 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF144420.D
Acq: 03 Dec 2025 15:36

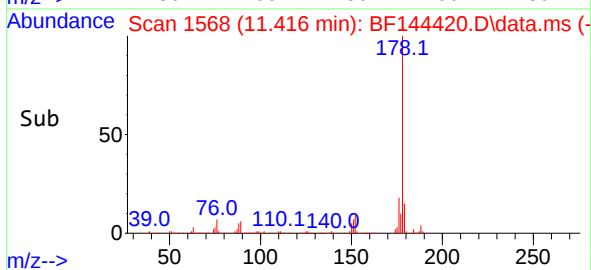
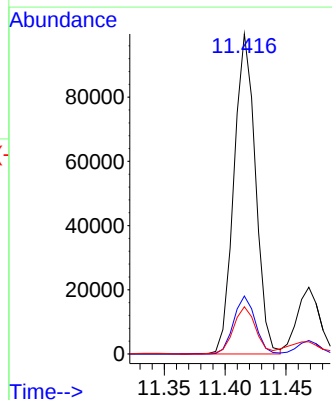
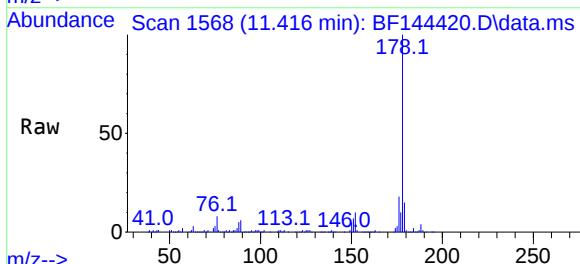
Instrument :
BNA_F
ClientSampleId :
B50-SP13-112025

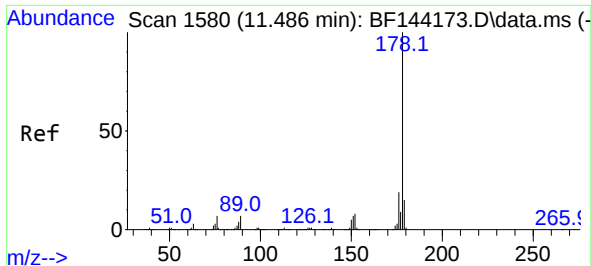
Tgt Ion:188 Resp: 275703
Ion Ratio Lower Upper
188 100
94 7.1 6.2 9.2
80 7.9 6.9 10.3



#71
Phenanthrene
Concen: 8.946 ng
RT: 11.416 min Scan# 1568
Delta R.T. -0.012 min
Lab File: BF144420.D
Acq: 03 Dec 2025 15:36

Tgt Ion:178 Resp: 122795
Ion Ratio Lower Upper
178 100
176 18.1 15.5 23.3
179 14.8 12.2 18.4

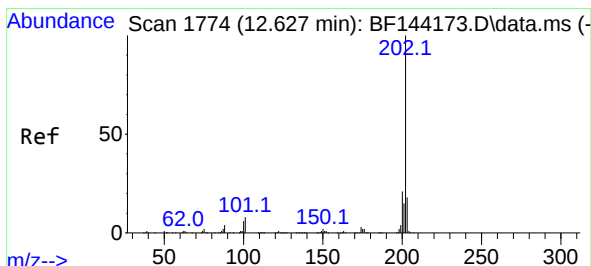
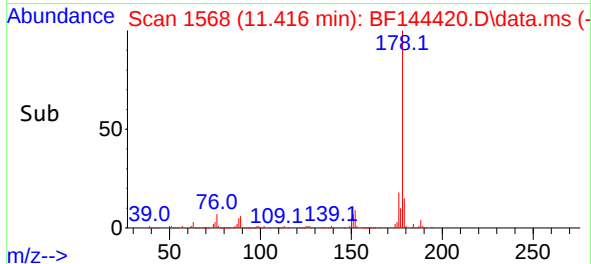
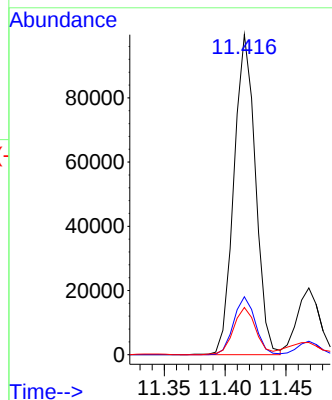
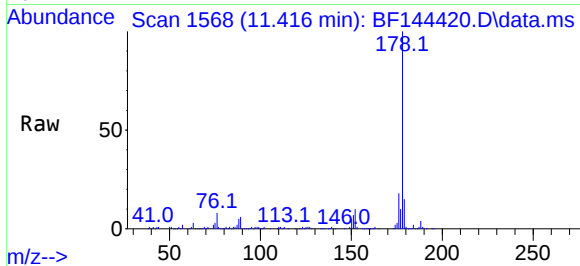




#72
 Anthracene
 Concen: 8.798 ng
 RT: 11.416 min Scan# 11
 Delta R.T. -0.065 min
 Lab File: BF144420.D
 Acq: 03 Dec 2025 15:36

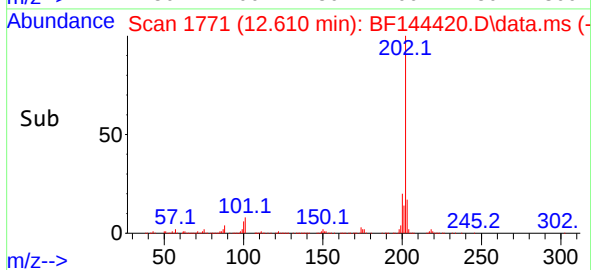
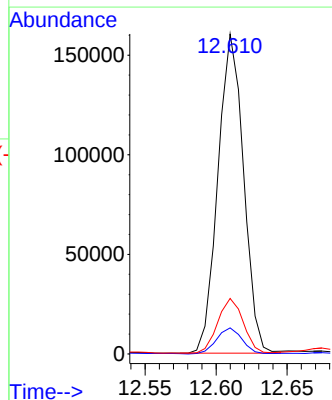
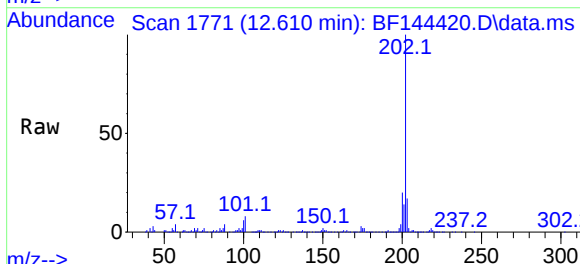
Instrument :
 BNA_F
 ClientSampleId :
 B50-SP13-112025

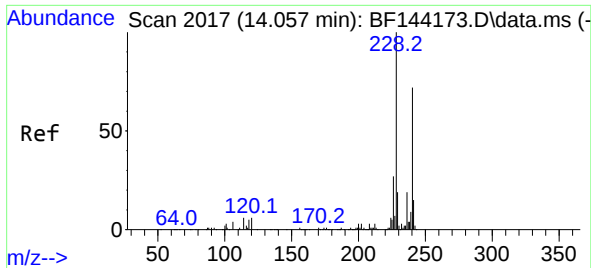
Tgt Ion:178 Resp: 122795
 Ion Ratio Lower Upper
 178 100
 176 18.1 15.3 22.9
 179 14.8 12.0 18.0



#75
 Fluoranthene
 Concen: 14.202 ng
 RT: 12.610 min Scan# 1771
 Delta R.T. -0.012 min
 Lab File: BF144420.D
 Acq: 03 Dec 2025 15:36

Tgt Ion:202 Resp: 201389
 Ion Ratio Lower Upper
 202 100
 101 8.2 0.0 27.9
 203 17.4 0.0 37.5

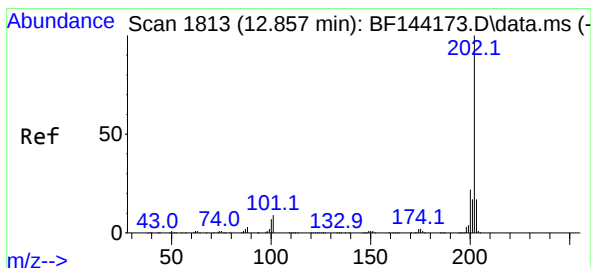
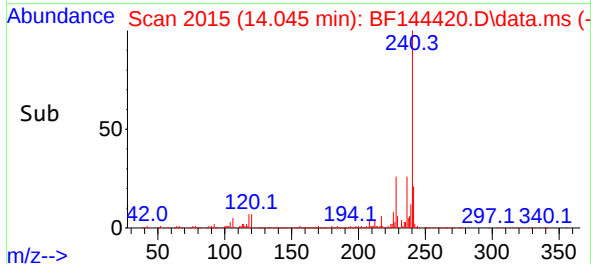
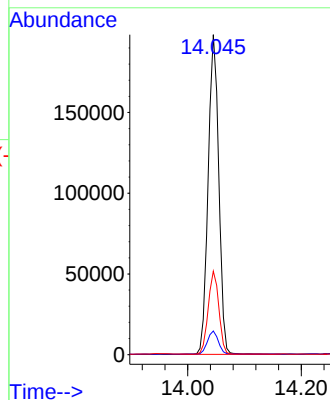
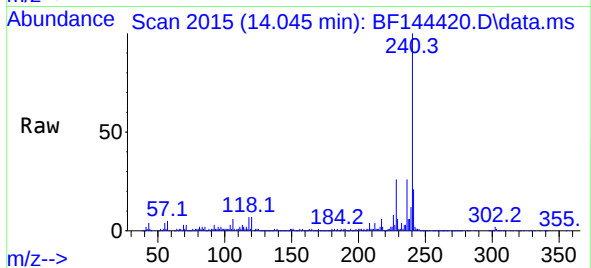




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF144420.D
Acq: 03 Dec 2025 15:36

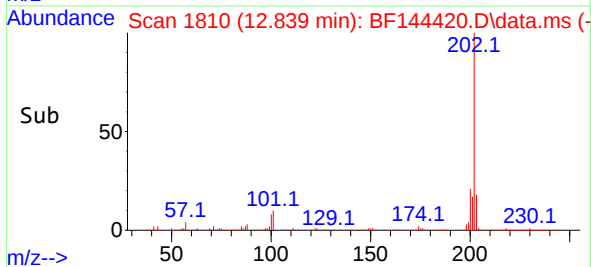
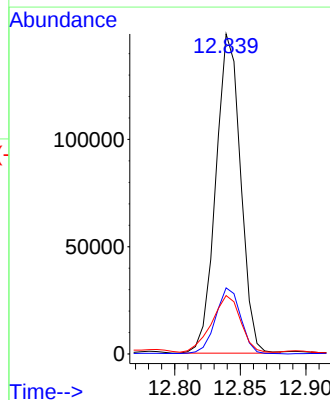
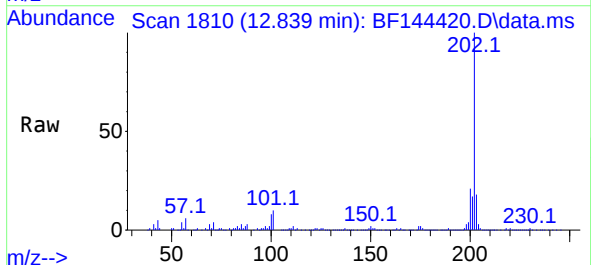
Instrument :
BNA_F
ClientSampleId :
B50-SP13-112025

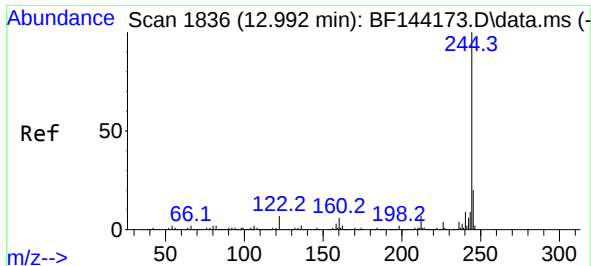
Tgt Ion:240 Resp: 255767
Ion Ratio Lower Upper
240 100
120 7.4 6.6 10.0
236 26.1 21.4 32.2



#78
Pyrene
Concen: 9.479 ng
RT: 12.839 min Scan# 1810
Delta R.T. -0.012 min
Lab File: BF144420.D
Acq: 03 Dec 2025 15:36

Tgt Ion:202 Resp: 195470
Ion Ratio Lower Upper
202 100
200 20.6 17.2 25.8
203 18.2 13.7 20.5

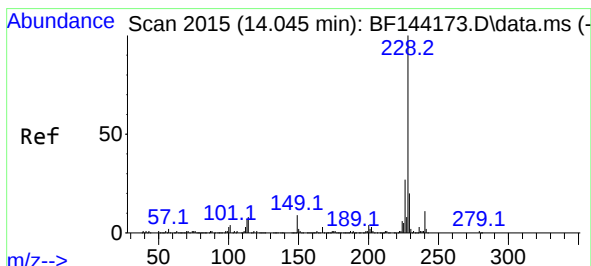
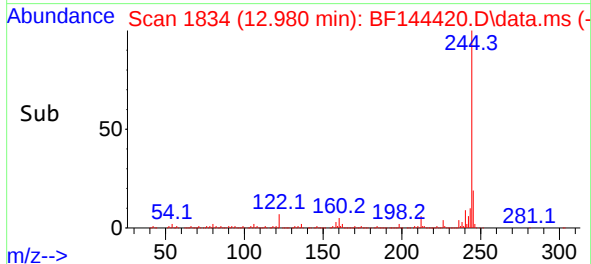
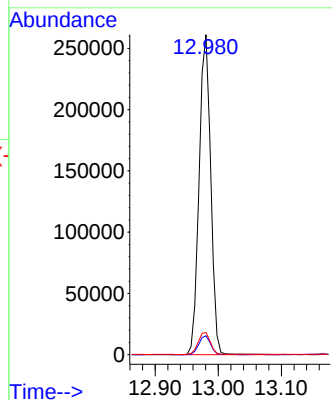
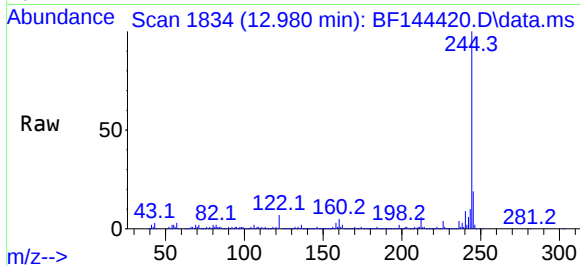




#79
Terphenyl-d14
Concen: 20.641 ng
RT: 12.980 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF144420.D
Acq: 03 Dec 2025 15:36

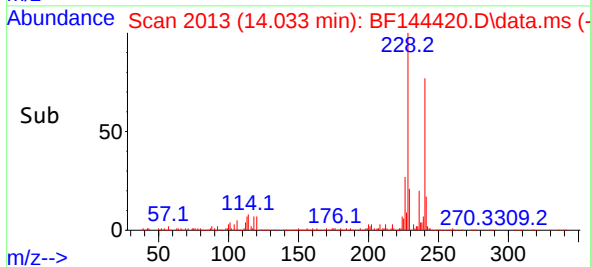
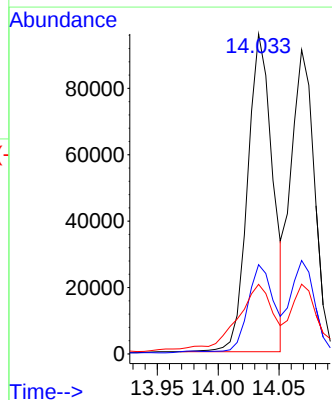
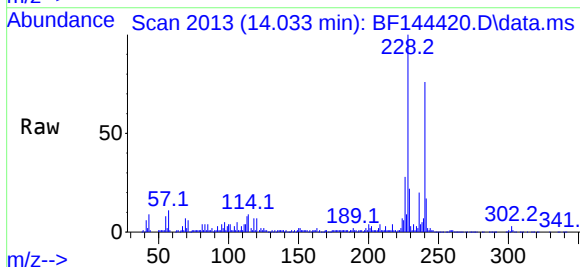
Instrument :
BNA_F
ClientSampleId :
B50-SP13-112025

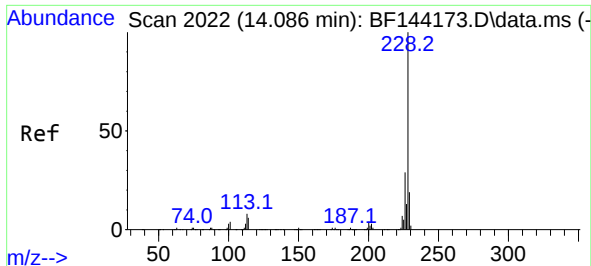
Tgt Ion:244 Resp: 332358
Ion Ratio Lower Upper
244 100
212 5.9 5.3 7.9
122 7.0 5.6 8.4



#81
Benzo(a)anthracene
Concen: 7.745 ng
RT: 14.033 min Scan# 2013
Delta R.T. -0.012 min
Lab File: BF144420.D
Acq: 03 Dec 2025 15:36

Tgt Ion:228 Resp: 137286
Ion Ratio Lower Upper
228 100
226 27.9 21.8 32.8
229 21.7 15.8 23.6

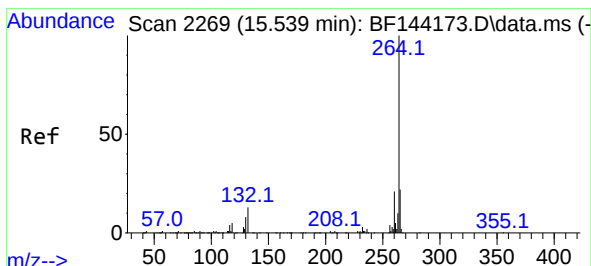
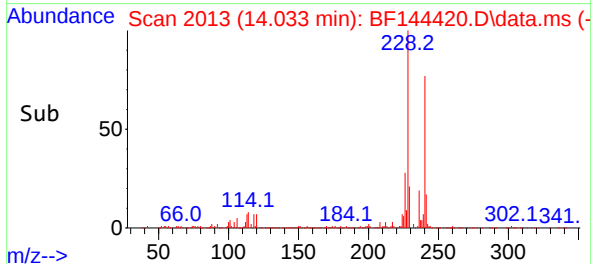
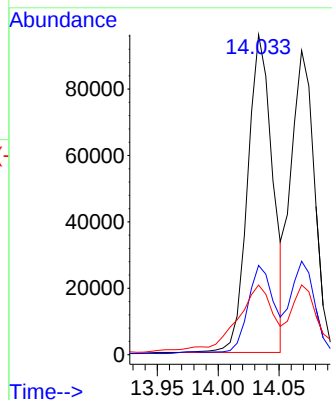
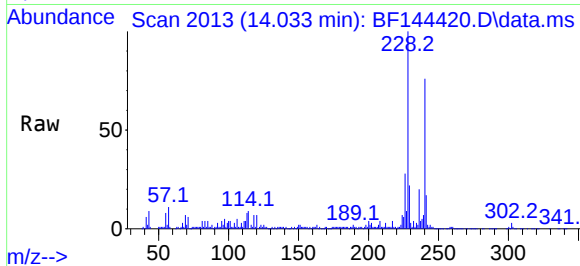




#83
Chrysene
Concen: 8.390 ng
RT: 14.033 min Scan# 20
Delta R.T. -0.047 min
Lab File: BF144420.D
Acq: 03 Dec 2025 15:36

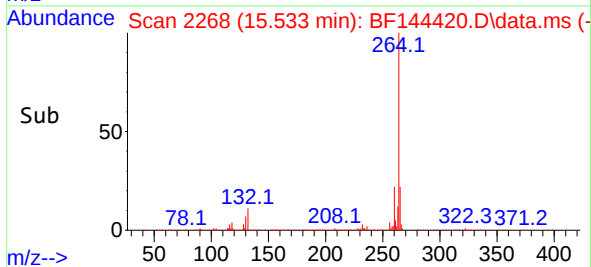
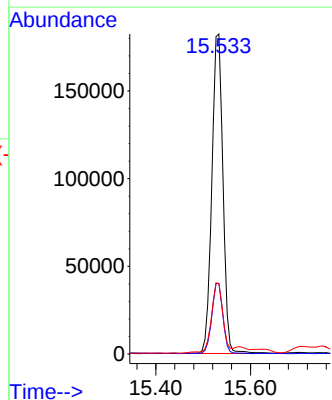
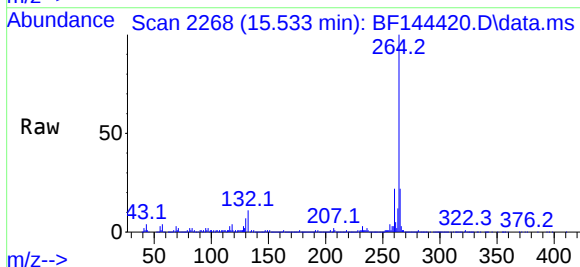
Instrument :
BNA_F
ClientSampleId :
B50-SP13-112025

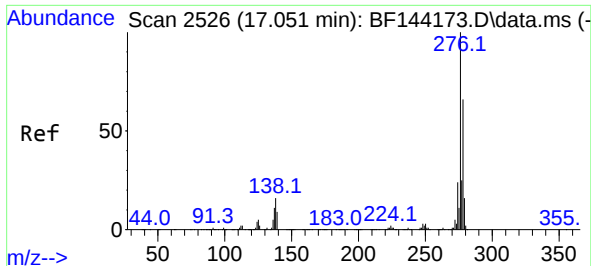
Tgt Ion:228 Resp: 137286
Ion Ratio Lower Upper
228 100
226 27.9 22.9 34.3
229 21.7 15.0 22.6



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.533 min Scan# 2268
Delta R.T. -0.006 min
Lab File: BF144420.D
Acq: 03 Dec 2025 15:36

Tgt Ion:264 Resp: 296885
Ion Ratio Lower Upper
264 100
260 22.0 17.1 25.7
265 22.1 17.4 26.0

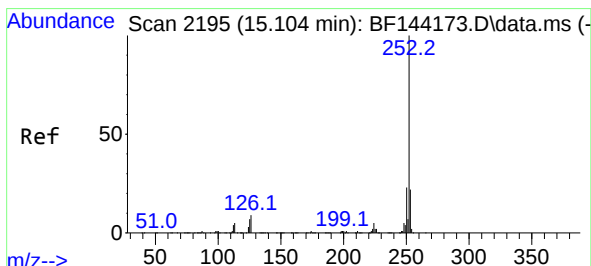
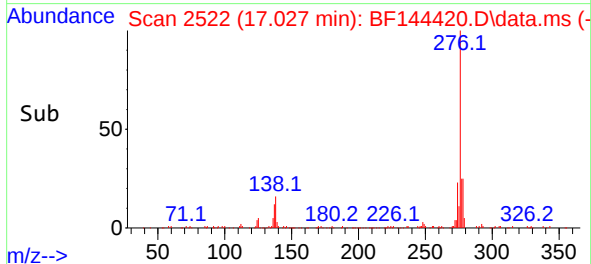
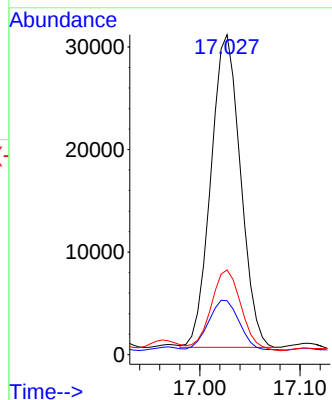
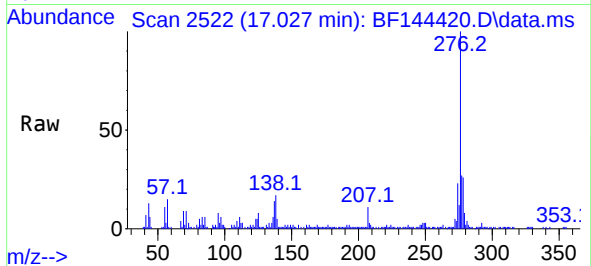




#87
Indeno(1,2,3-cd)pyrene
Concen: 2.939 ng
RT: 17.027 min Scan# 2194
Delta R.T. -0.006 min
Lab File: BF144420.D
Acq: 03 Dec 2025 15:36

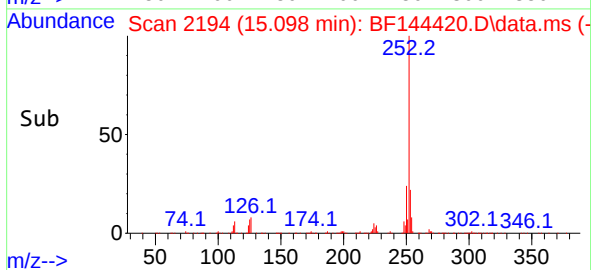
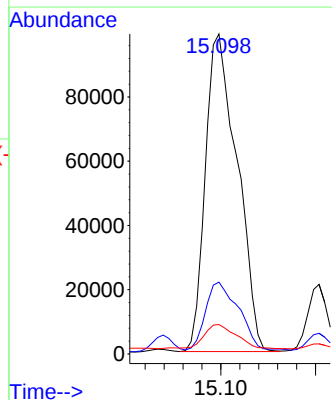
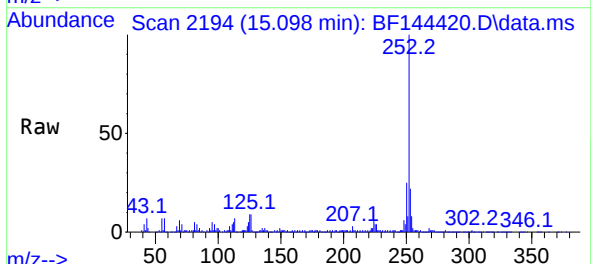
Instrument :
BNA_F
ClientSampleId :
B50-SP13-112025

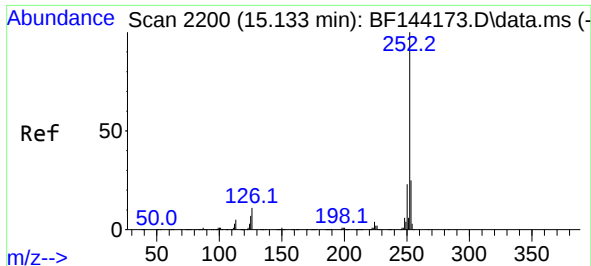
Tgt Ion:	276	Resp:	62628
Ion Ratio	Lower	Upper	
276	100		
138	16.9	13.9	20.9
277	26.4	19.8	29.6



#88
Benzo(b)fluoranthene
Concen: 13.677 ng
RT: 15.098 min Scan# 2194
Delta R.T. -0.000 min
Lab File: BF144420.D
Acq: 03 Dec 2025 15:36

Tgt Ion:	252	Resp:	230847
Ion Ratio	Lower	Upper	
252	100		
253	22.5	17.4	26.2
125	9.2	5.3	7.9





#89

Benzo(k)fluoranthene

Concen: 14.612 ng

RT: 15.098 min Scan# 21

Delta R.T. -0.029 min

Lab File: BF144420.D

Acq: 03 Dec 2025 15:36

Instrument :

BNA_F

ClientSampleId :

B50-SP13-112025

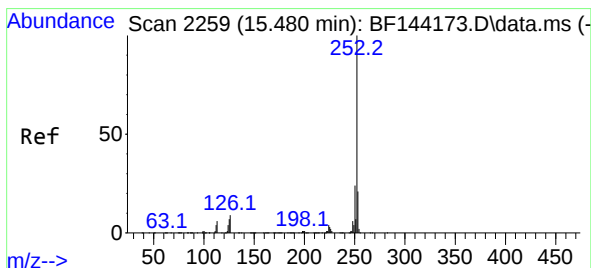
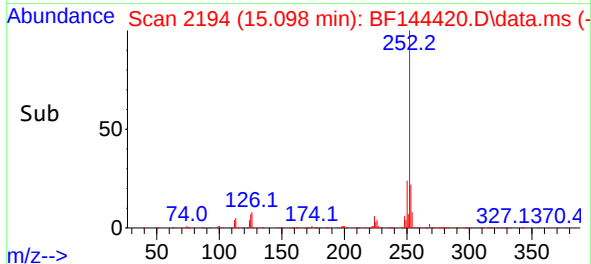
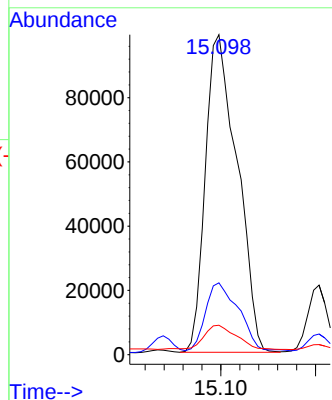
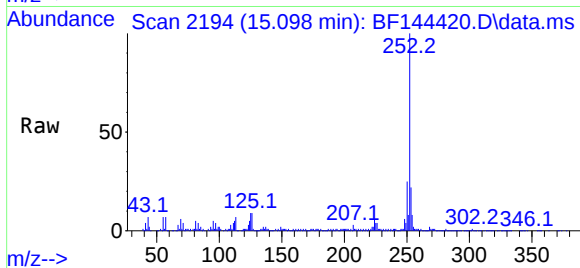
Tgt Ion:252 Resp: 230847

Ion Ratio Lower Upper

252 100

253 22.5 18.0 27.0

125 9.2 5.4 8.2#



#90

Benzo(a)pyrene

Concen: 8.621 ng

RT: 15.463 min Scan# 2256

Delta R.T. -0.012 min

Lab File: BF144420.D

Acq: 03 Dec 2025 15:36

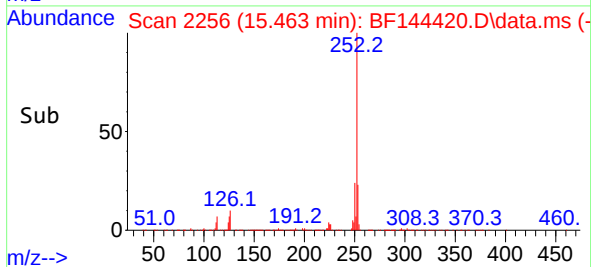
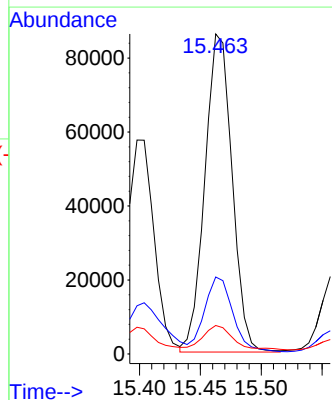
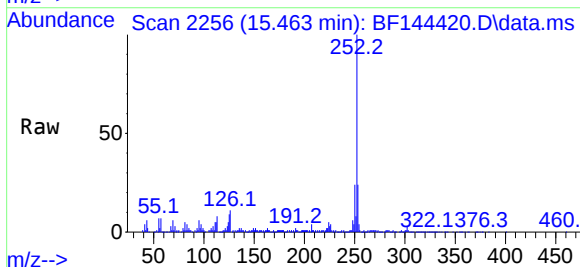
Tgt Ion:252 Resp: 134237

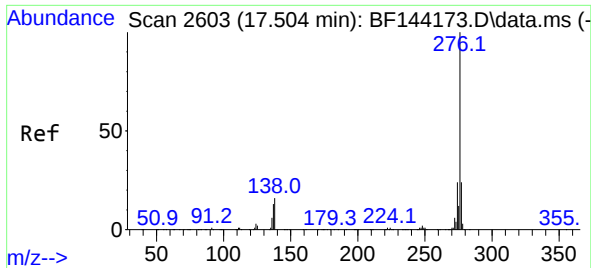
Ion Ratio Lower Upper

252 100

253 24.0 16.7 25.1

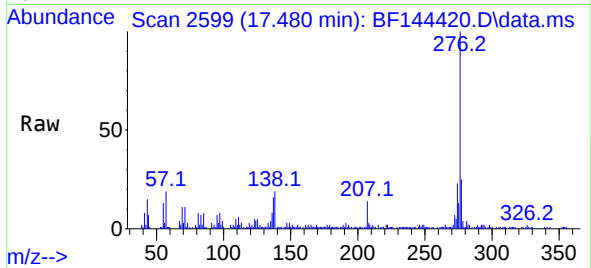
125 8.9 5.7 8.5#





#92
 Benzo(g,h,i)perylene
 Concen: 3.437 ng
 RT: 17.480 min Scan# 21
 Delta R.T. -0.012 min
 Lab File: BF144420.D
 Acq: 03 Dec 2025 15:36

Instrument :
 BNA_F
 ClientSampleId :
 B50-SP13-112025



Tgt Ion:	276	Resp:	58093
Ion	Ratio	Lower	Upper
276	100		
277	25.4	19.0	28.4
138	19.3	12.9	19.3

