

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101325\
 Data File : BF143938.D
 Acq On : 13 Oct 2025 18:00
 Operator : RC/JU
 Sample : Q3323-02
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SED-02-0-2

Quant Time: Oct 13 18:22:42 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 06 15:29:47 2025
 Response via : Initial Calibration

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

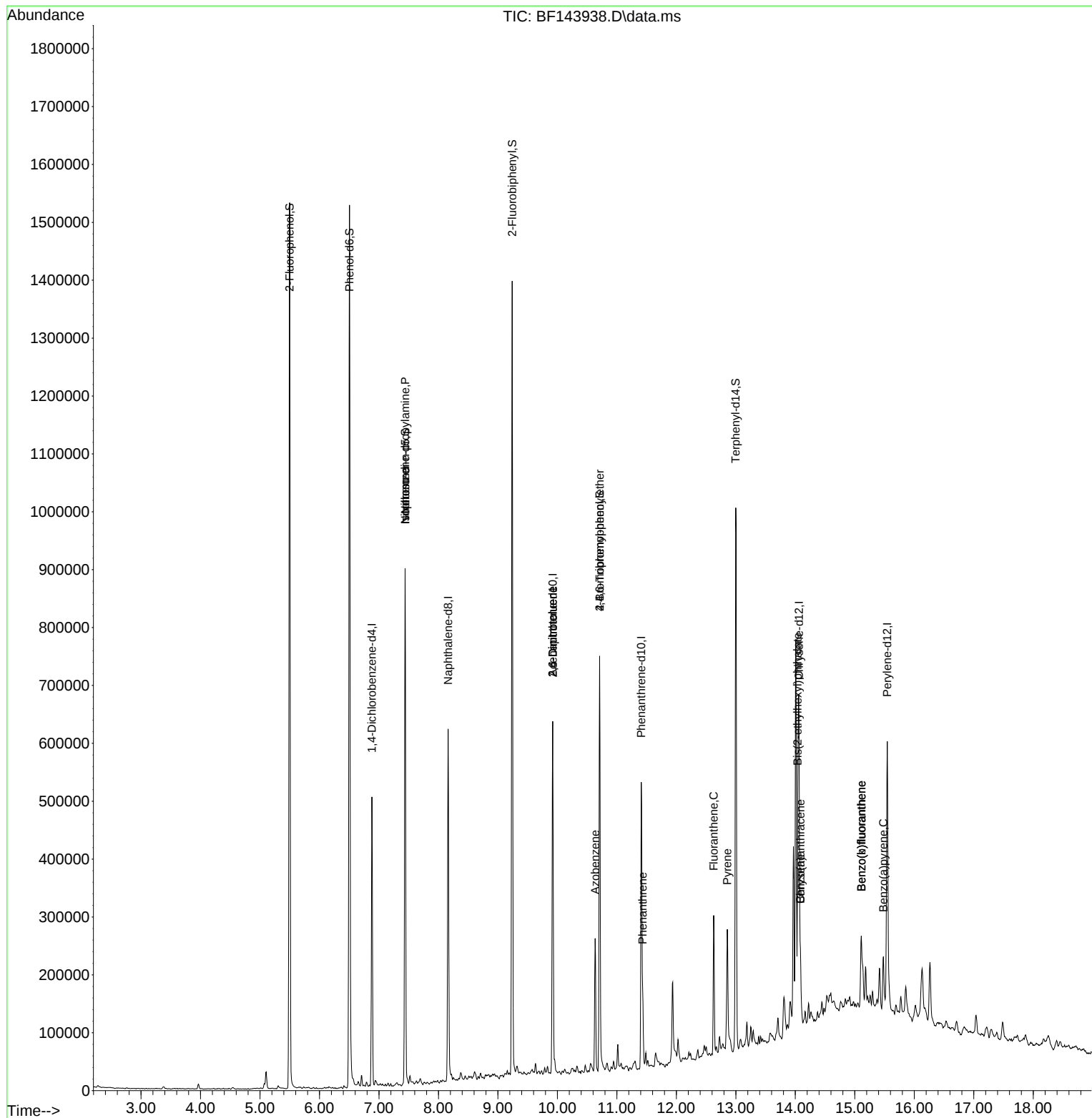
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	101798	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	377694	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	185168	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	262286	20.000	ng	# 0.00
76) Chrysene-d12	14.063	240	224418	20.000	ng	0.00
86) Perylene-d12	15.545	264	290653	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.499	112	583413	91.009	ng	0.00
7) Phenol-d6	6.504	99	687677	89.998	ng	-0.01
23) Nitrobenzene-d5	7.440	82	373027	60.004	ng	-0.02
42) 2,4,6-Tribromophenol	10.710	330	131356	71.222	ng	-0.01
45) 2-Fluorobiphenyl	9.239	172	648068	55.534	ng	-0.01
79) Terphenyl-d14	12.998	244	493407	37.576	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.440	70	51960	9.934	ng	# 76
25) Isophorone	7.440	82	319788	24.396	ng	# 68
51) 2,6-Dinitrotoluene	9.922	165	23786	10.909	ng	# 25
57) 2,4-Dinitrotoluene	9.922	165	23786	8.017	ng	# 26
63) Azobenzene	10.633	77	59086	5.175	ng	# 1
67) 4-Bromophenyl-phenylether	10.710	248	8166	2.817	ng	# 1
71) Phenanthrene	11.433	178	63073	4.960	ng	98
75) Fluoranthene	12.627	202	138552	10.549	ng	98
78) Pyrene	12.857	202	120171	6.423	ng	97
81) Benzo(a)anthracene	14.086	228	65137	4.435	ng	98
83) Chrysene	14.086	228	65137	4.792	ng	98
84) Bis(2-ethylhexyl)phtha...	14.039	149	15404	2.103	ng	# 81
88) Benzo(b)fluoranthene	15.110	252	108824	6.518	ng	# 97
89) Benzo(k)fluoranthene	15.110	252	108824	7.044	ng	# 97
90) Benzo(a)pyrene	15.480	252	55312	3.821	ng	# 94

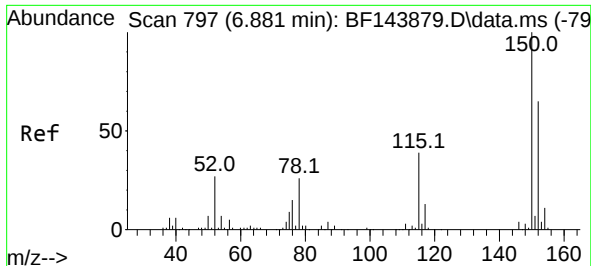
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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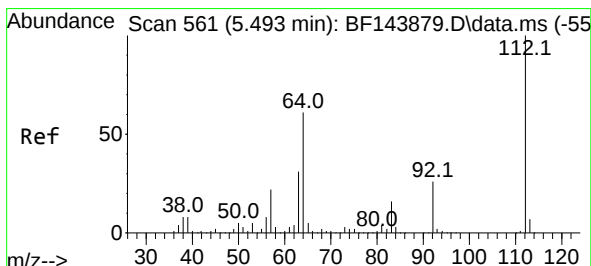
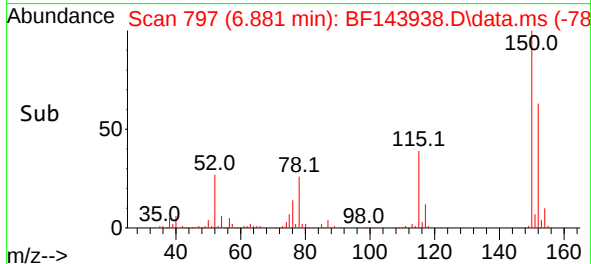
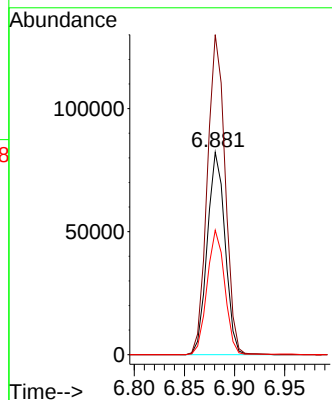
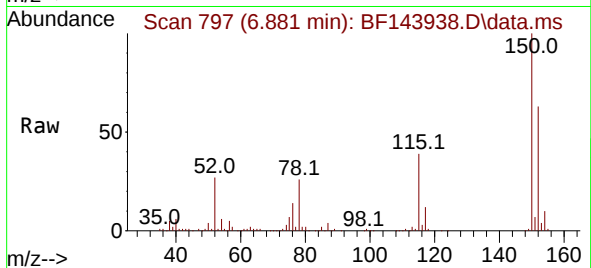




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 79
Delta R.T. -0.005 min
Lab File: BF143938.D
Acq: 13 Oct 2025 18:00

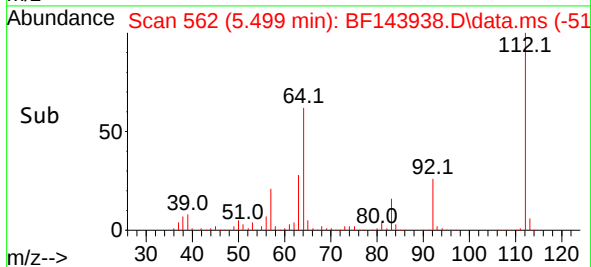
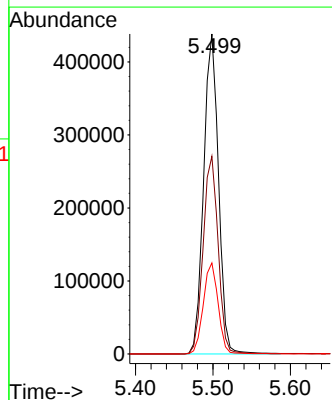
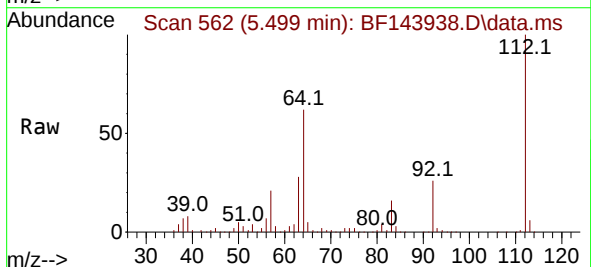
Instrument :
BNA_F
ClientSampleId :
SED-02-0-2

Tgt Ion:152 Resp: 101798
Ion Ratio Lower Upper
152 100
150 158.0 124.4 186.6
115 61.5 48.1 72.1



#5
2-Fluorophenol
Concen: 91.009 ng
RT: 5.499 min Scan# 562
Delta R.T. 0.000 min
Lab File: BF143938.D
Acq: 13 Oct 2025 18:00

Tgt Ion:112 Resp: 583413
Ion Ratio Lower Upper
112 100
64 61.8 49.1 73.7
63 28.4 24.5 36.7

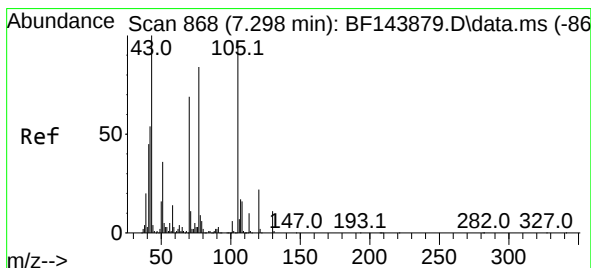
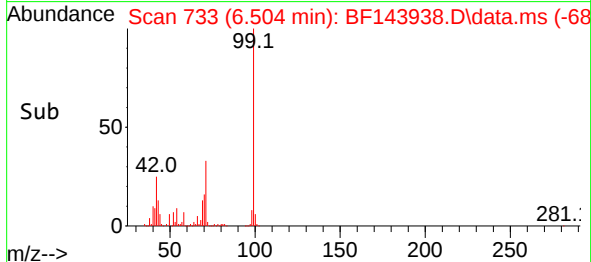
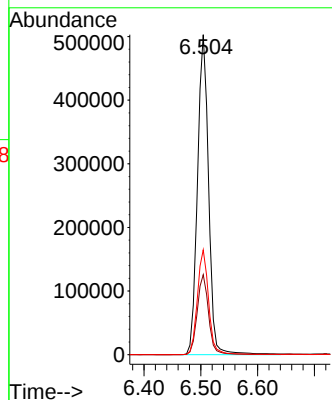
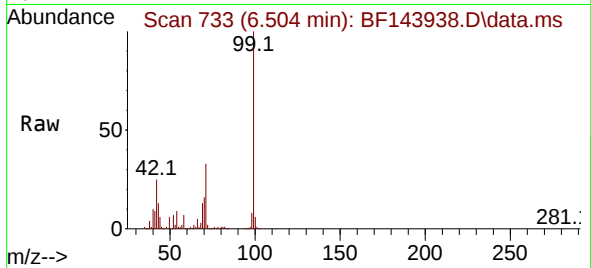




#7
Phenol-d6
Concen: 89.998 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF143938.D
Acq: 13 Oct 2025 18:00

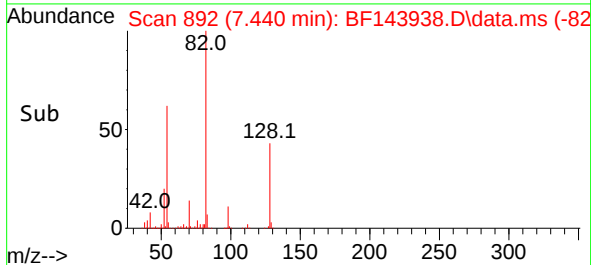
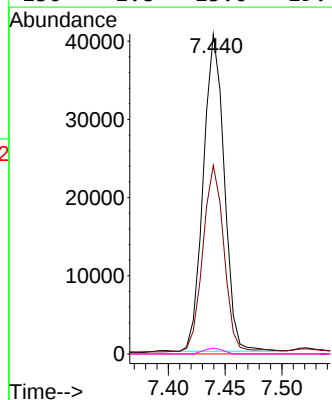
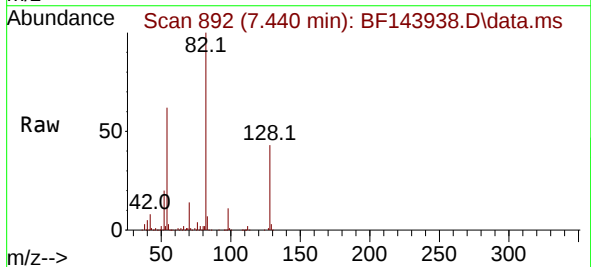
Instrument :
BNA_F
ClientSampleId :
SED-02-0-2

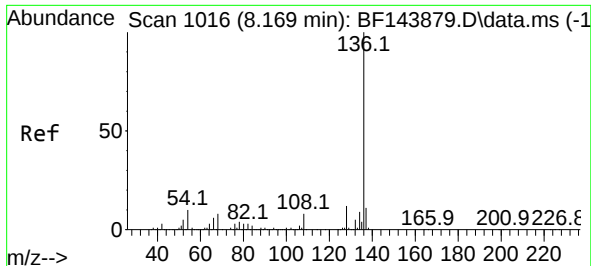
Tgt Ion: 99 Resp: 687677
Ion Ratio Lower Upper
99 100
42 25.0 21.0 31.4
71 32.7 27.8 41.8



#19
n-Nitroso-di-n-propylamine
Concen: 9.934 ng
RT: 7.440 min Scan# 892
Delta R.T. 0.124 min
Lab File: BF143938.D
Acq: 13 Oct 2025 18:00

Tgt Ion: 70 Resp: 51960
Ion Ratio Lower Upper
70 100
42 59.0 62.8 94.2#
101 0.0 6.7 10.1#
130 1.8 13.0 19.4#



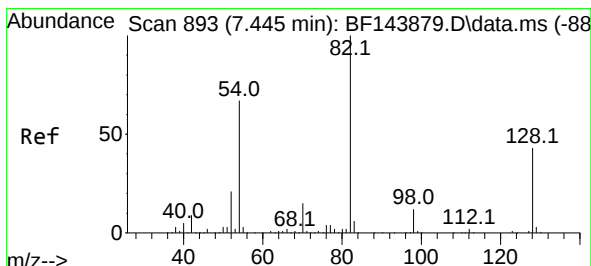
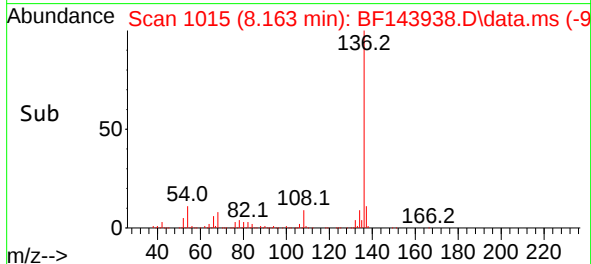
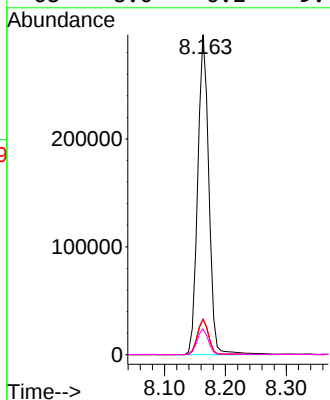
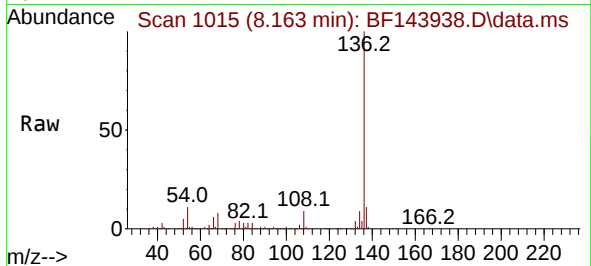


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1016
Delta R.T. -0.006 min
Lab File: BF143938.D
Acq: 13 Oct 2025 18:00

Instrument :
BNA_F
ClientSampleId :
SED-02-0-2

Tgt Ion:136 Resp: 377694

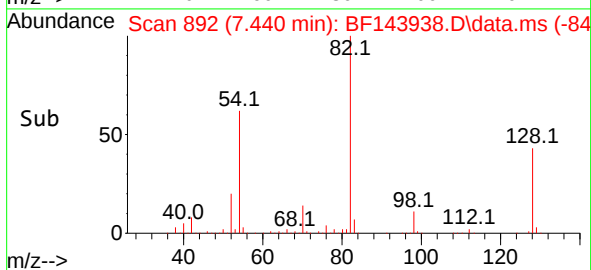
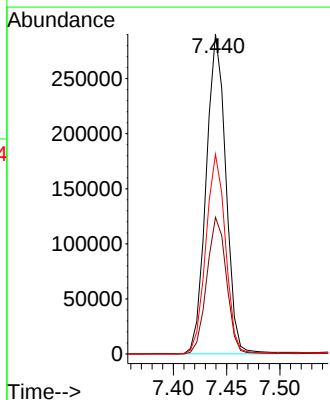
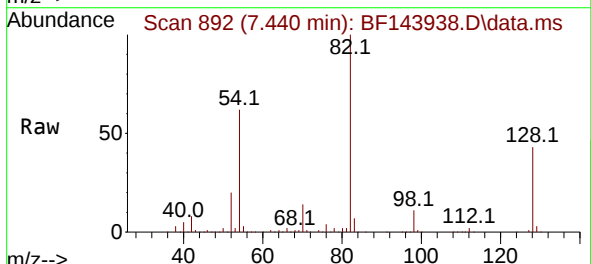
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.5	12.7
54	11.1	8.2	12.4
68	8.0	6.2	9.4

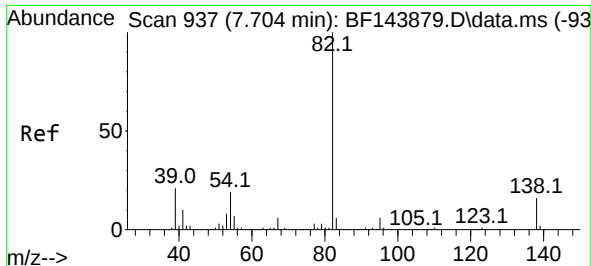


#23
Nitrobenzene-d5
Concen: 60.004 ng
RT: 7.440 min Scan# 892
Delta R.T. -0.017 min
Lab File: BF143938.D
Acq: 13 Oct 2025 18:00

Tgt Ion: 82 Resp: 373027

Ion	Ratio	Lower	Upper
82	100		
128	42.7	34.0	51.0
54	62.4	53.2	79.8

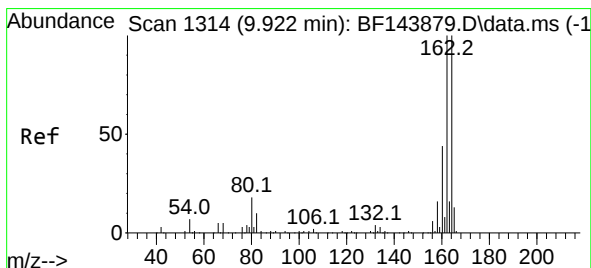
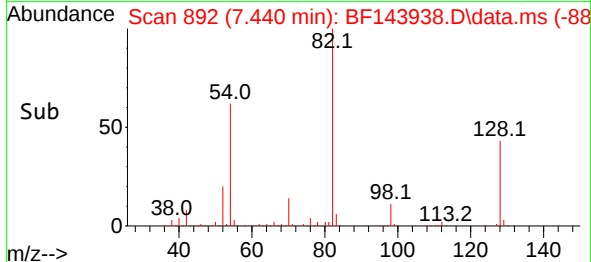
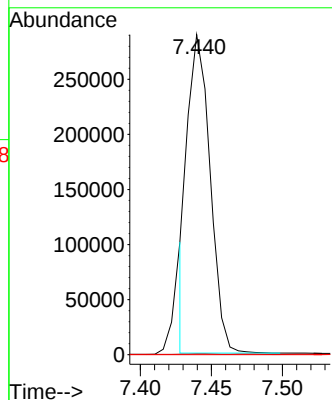
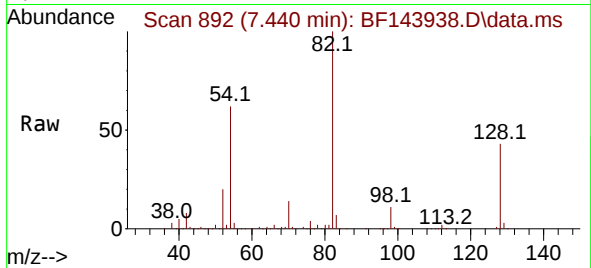




#25
Isophorone
Concen: 24.396 ng
RT: 7.440 min Scan# 89
Delta R.T. -0.282 min
Lab File: BF143938.D
Acq: 13 Oct 2025 18:00

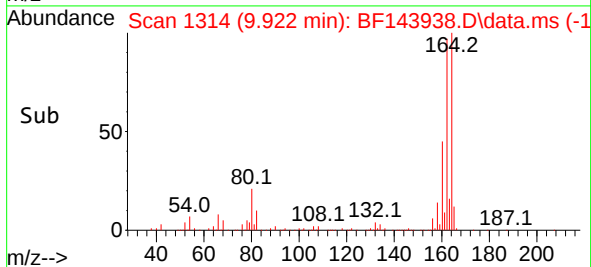
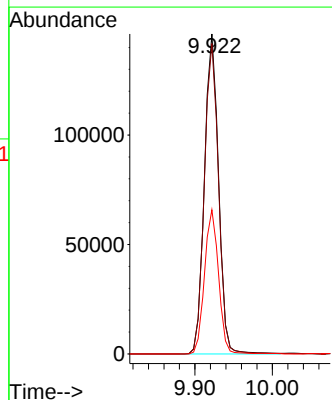
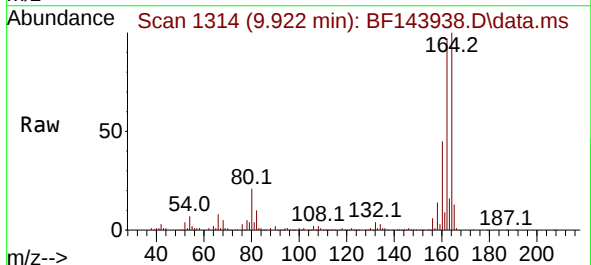
Instrument :
BNA_F
ClientSampleId :
SED-02-0-2

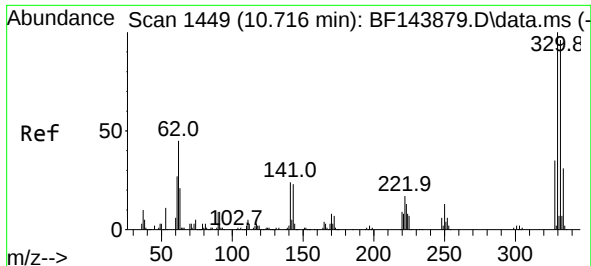
Tgt Ion: 82 Resp: 319788
Ion Ratio Lower Upper
82 100
95 0.2 5.1 7.7#
138 0.0 12.9 19.3#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1314
Delta R.T. -0.005 min
Lab File: BF143938.D
Acq: 13 Oct 2025 18:00

Tgt Ion:164 Resp: 185168
Ion Ratio Lower Upper
164 100
162 97.0 80.2 120.2
160 45.0 35.4 53.0





#42

2,4,6-Tribromophenol

Concen: 71.222 ng

RT: 10.710 min Scan# 1448

Delta R.T. -0.012 min

Lab File: BF143938.D

Acq: 13 Oct 2025 18:00

Instrument :

BNA_F

ClientSampleId :

SED-02-0-2

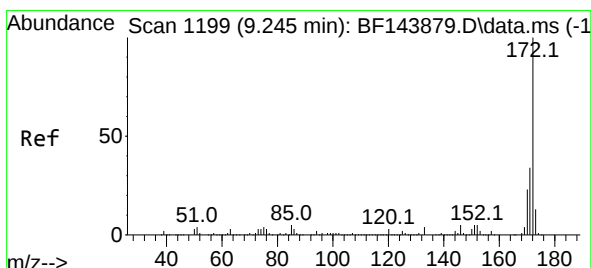
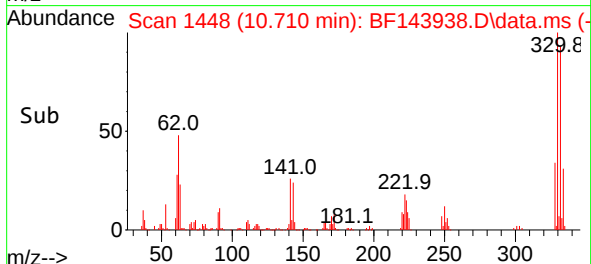
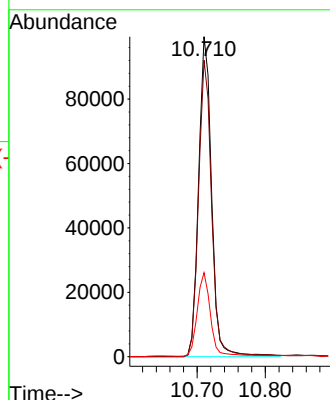
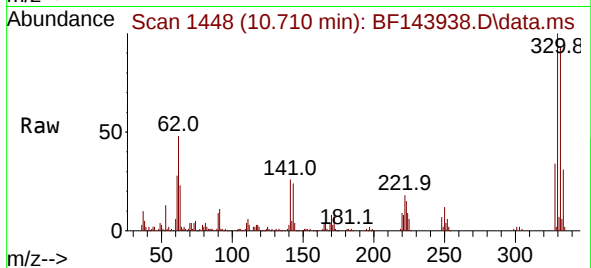
Tgt Ion:330 Resp: 131356

Ion Ratio Lower Upper

330 100

332 92.7 76.9 115.3

141 26.4 20.2 30.4



#45

2-Fluorobiphenyl

Concen: 55.534 ng

RT: 9.239 min Scan# 1198

Delta R.T. -0.012 min

Lab File: BF143938.D

Acq: 13 Oct 2025 18:00

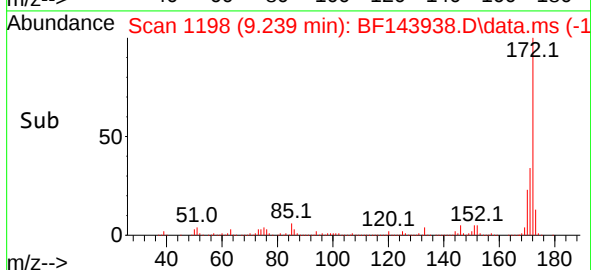
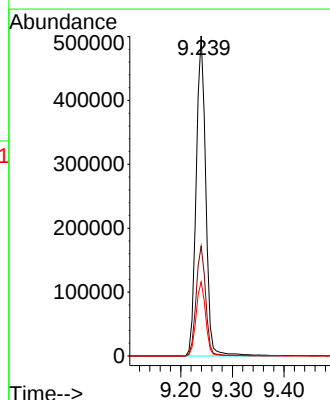
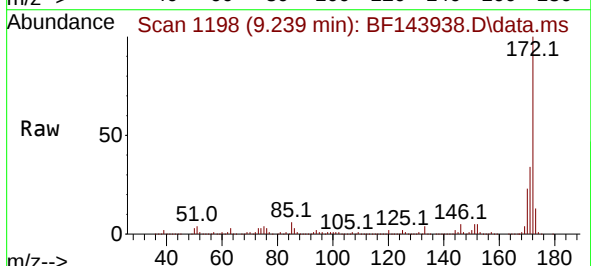
Tgt Ion:172 Resp: 648068

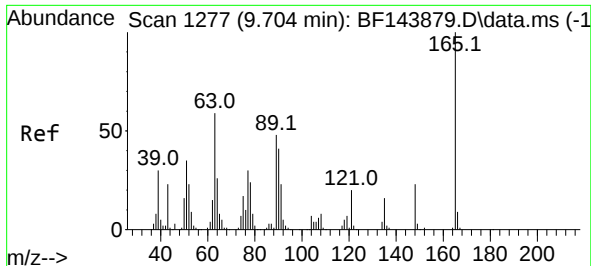
Ion Ratio Lower Upper

172 100

171 34.3 27.4 41.0

170 23.2 18.6 28.0

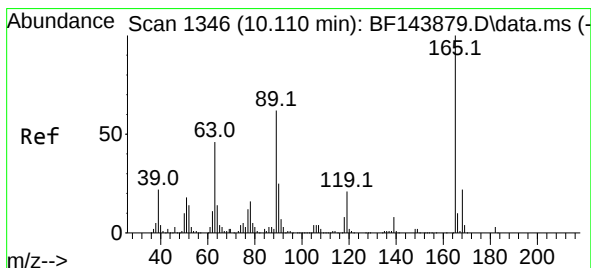
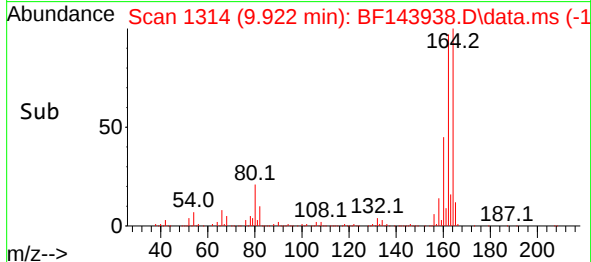
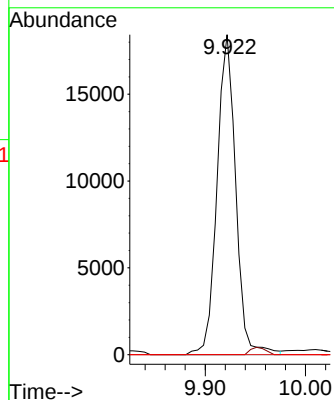
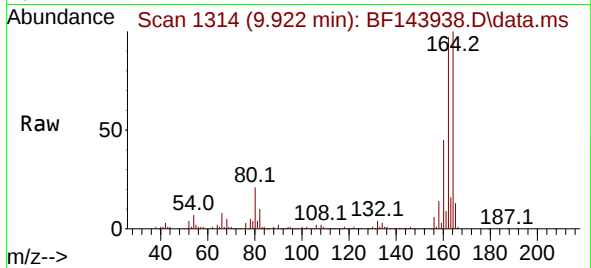




#51
2,6-Dinitrotoluene
Concen: 10.909 ng
RT: 9.922 min Scan# 1314
Delta R.T. 0.206 min
Lab File: BF143938.D
Acq: 13 Oct 2025 18:00

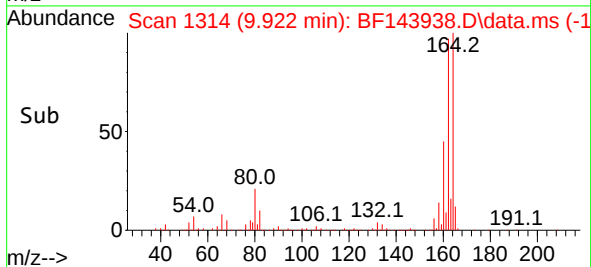
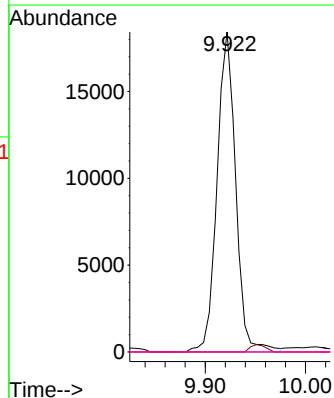
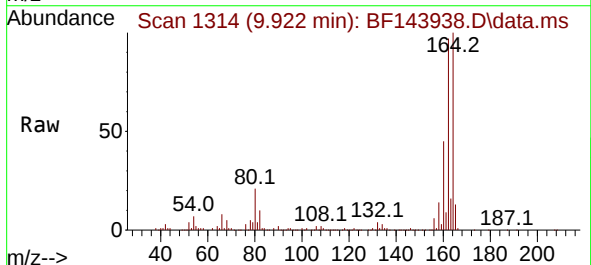
Instrument :
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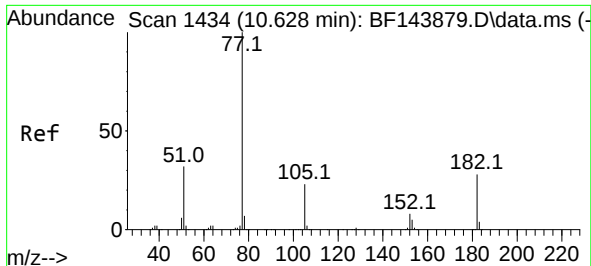
Tgt Ion:165 Resp: 23786
Ion Ratio Lower Upper
165 100
63 0.0 47.3 70.9#
89 0.0 38.2 57.4#



#57
2,4-Dinitrotoluene
Concen: 8.017 ng
RT: 9.922 min Scan# 1314
Delta R.T. -0.194 min
Lab File: BF143938.D
Acq: 13 Oct 2025 18:00

Tgt Ion:165 Resp: 23786
Ion Ratio Lower Upper
165 100
63 0.0 37.2 55.8#
89 0.0 49.4 74.2#
182 0.0 2.1 3.1#

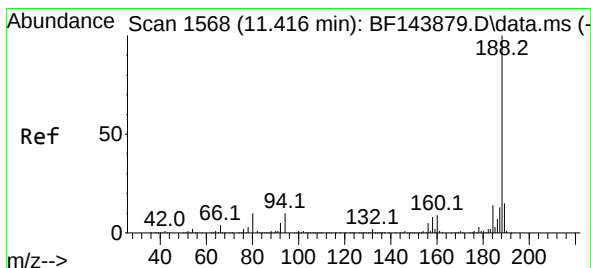
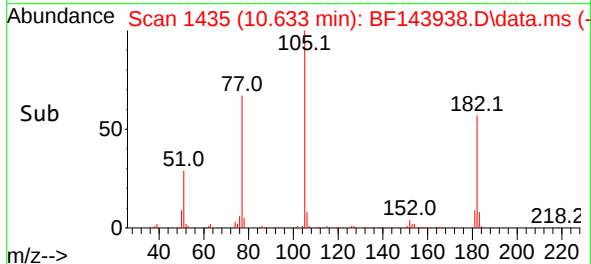
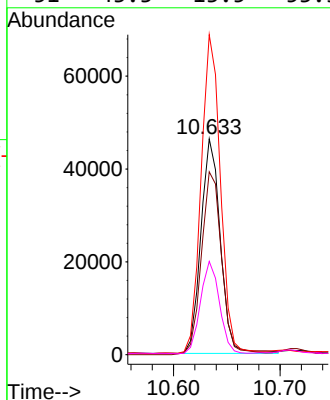
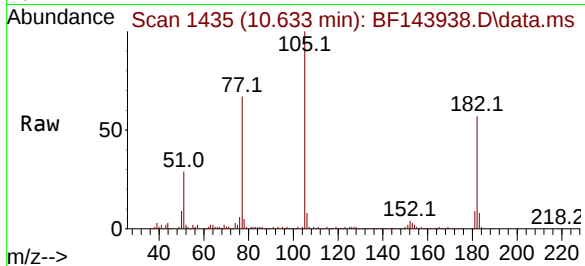




#63
Azobenzene
Concen: 5.175 ng
RT: 10.633 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF143938.D
Acq: 13 Oct 2025 18:00

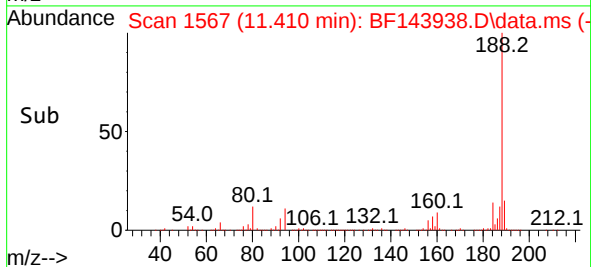
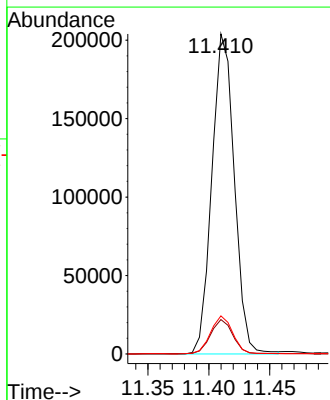
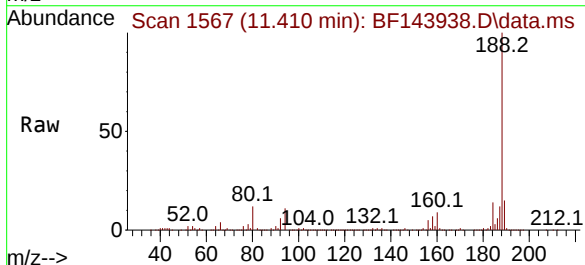
Instrument :
BNA_F
ClientSampleId :
SED-02-0-2

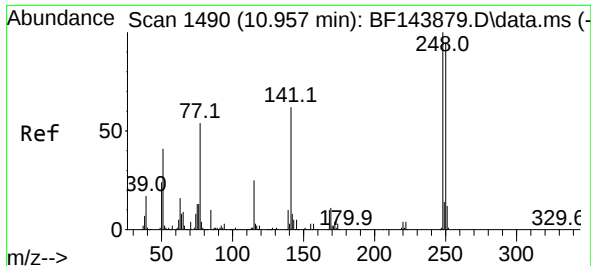
Tgt Ion: 77	Resp: 59086
Ion Ratio	Lower Upper
77 100	
182 84.7	7.3 47.3#
105 148.3	3.0 43.0#
51 43.3	13.5 53.5



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1567
Delta R.T. -0.006 min
Lab File: BF143938.D
Acq: 13 Oct 2025 18:00

Tgt Ion: 188	Resp: 262286
Ion Ratio	Lower Upper
188 100	
94 10.8	7.8 11.6
80 11.9	7.9 11.9#

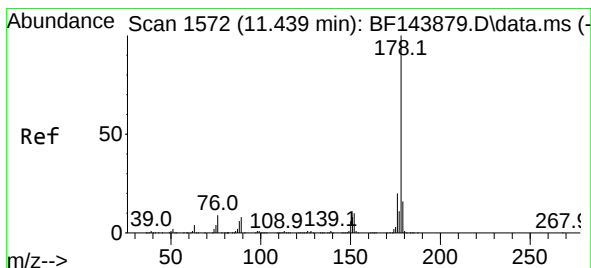
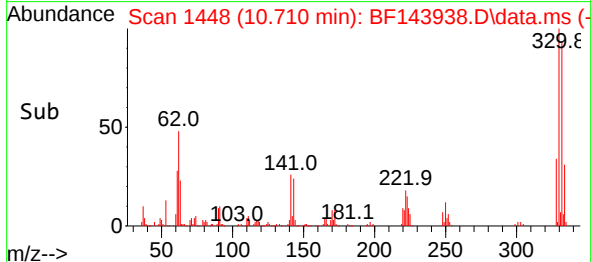
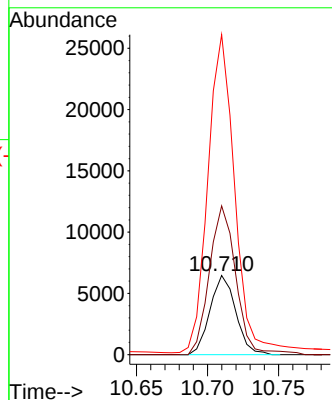
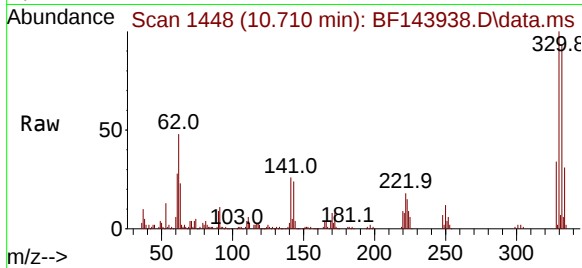




#67
4-Bromophenyl-phenylether
Concen: 2.817 ng
RT: 10.710 min Scan# 1490
Delta R.T. -0.253 min
Lab File: BF143938.D
Acq: 13 Oct 2025 18:00

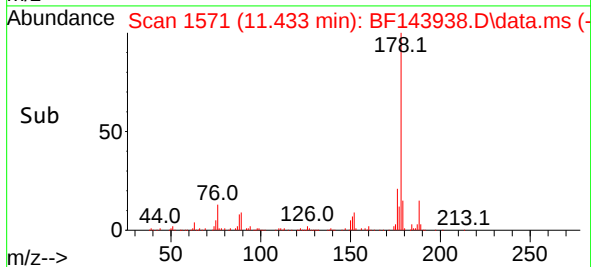
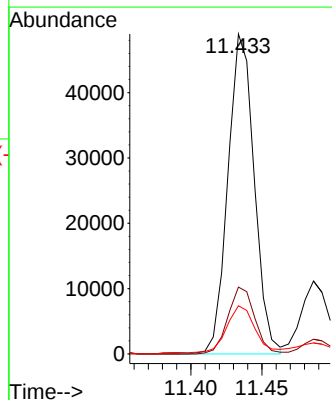
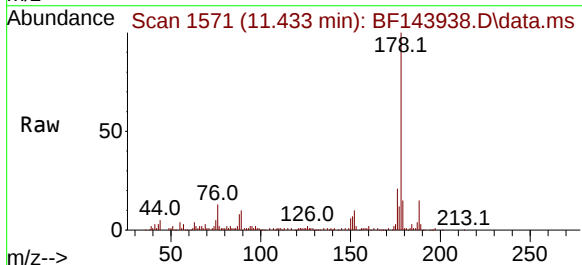
Instrument :
BNA_F
ClientSampleId :
SED-02-0-2

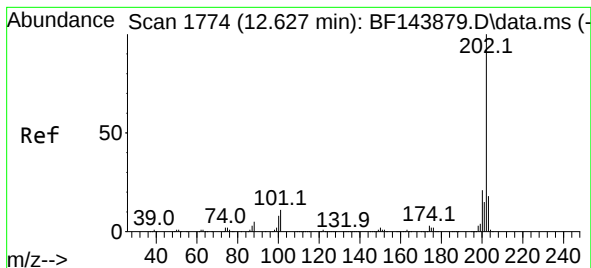
Tgt Ion:248 Resp: 8166
Ion Ratio Lower Upper
248 100
250 187.7 76.3 114.5#
141 403.7 49.7 74.5#



#71
Phenanthrene
Concen: 4.960 ng
RT: 11.433 min Scan# 1571
Delta R.T. -0.012 min
Lab File: BF143938.D
Acq: 13 Oct 2025 18:00

Tgt Ion:178 Resp: 63073
Ion Ratio Lower Upper
178 100
176 20.9 15.9 23.9
179 15.1 12.4 18.6





#75

Fluoranthene

Concen: 10.549 ng

RT: 12.627 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF143938.D

Acq: 13 Oct 2025 18:00

Instrument :

BNA_F

ClientSampleId :

SED-02-0-2

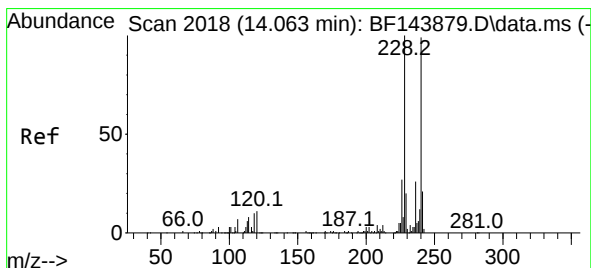
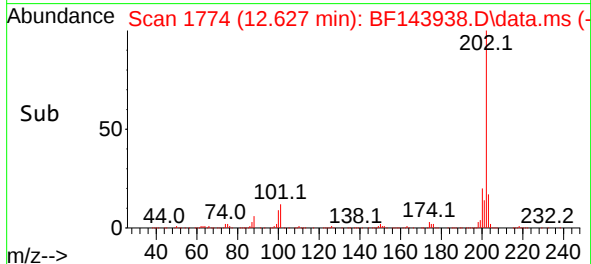
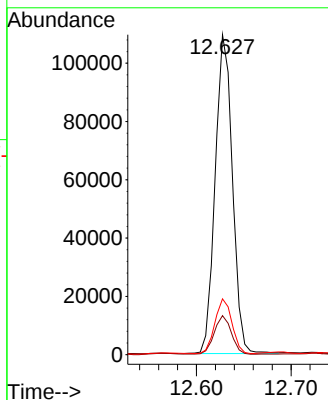
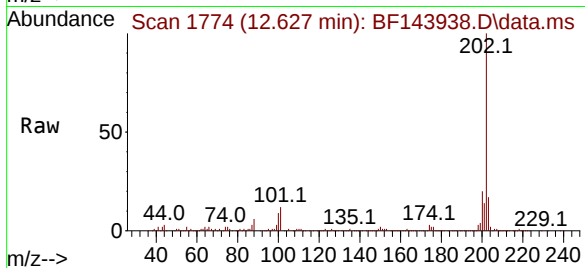
Tgt Ion:202 Resp: 138552

Ion Ratio Lower Upper

202 100

101 12.2 0.0 30.7

203 17.4 0.0 37.8



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.063 min Scan# 2018

Delta R.T. -0.005 min

Lab File: BF143938.D

Acq: 13 Oct 2025 18:00

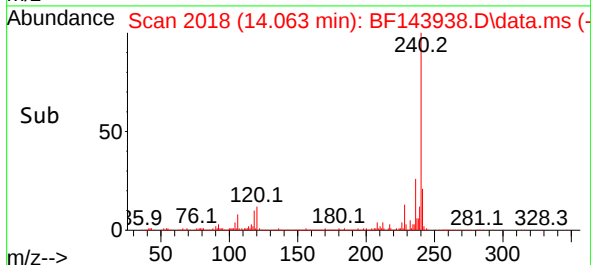
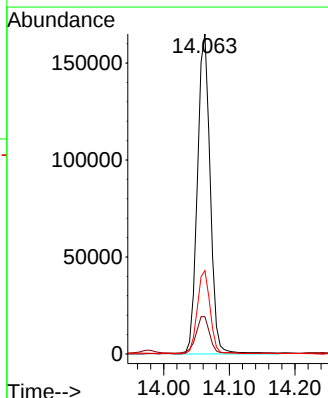
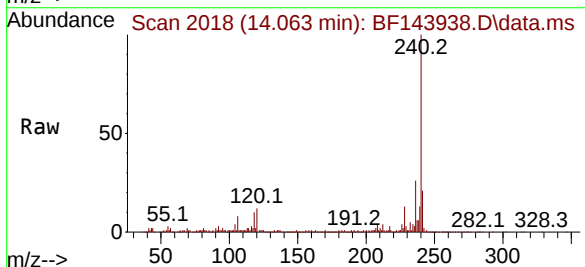
Tgt Ion:240 Resp: 224418

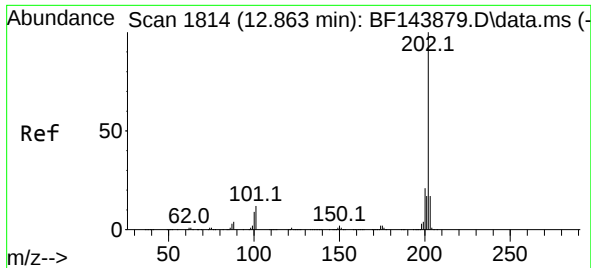
Ion Ratio Lower Upper

240 100

120 11.6 8.6 13.0

236 26.1 21.1 31.7

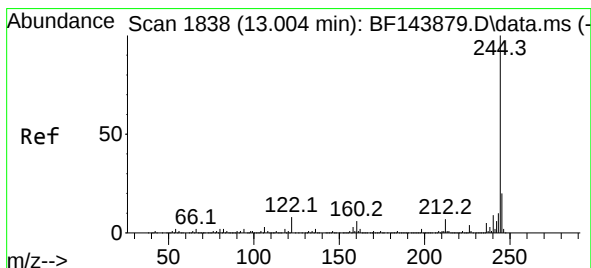
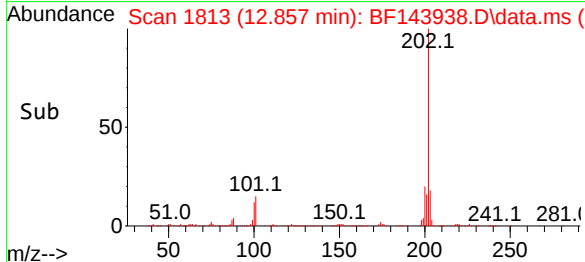
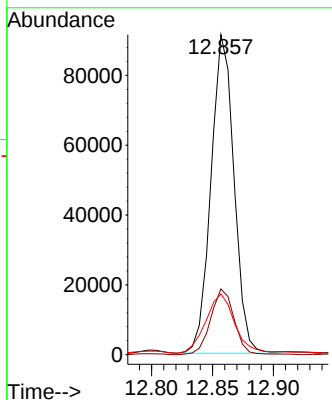
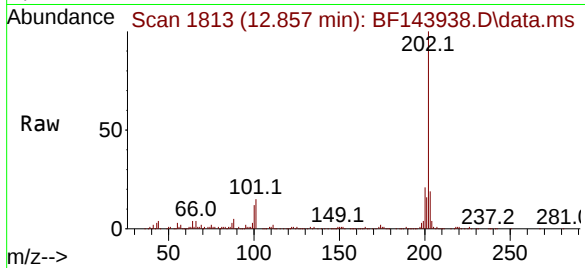




#78
 Pyrene
 Concen: 6.423 ng
 RT: 12.857 min Scan# 1814
 Delta R.T. -0.006 min
 Lab File: BF143938.D
 Acq: 13 Oct 2025 18:00

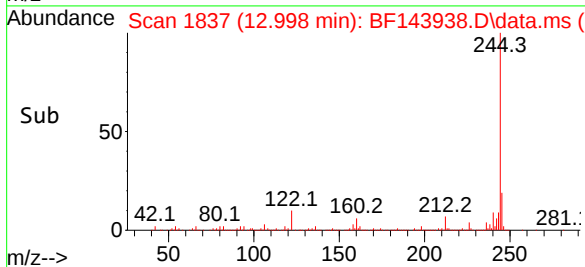
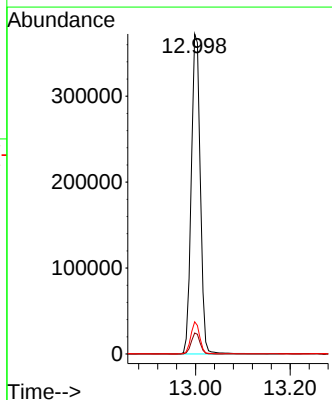
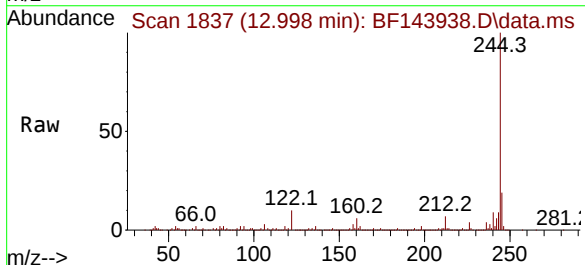
Instrument :
 BNA_F
 ClientSampleId :
 SED-02-0-2

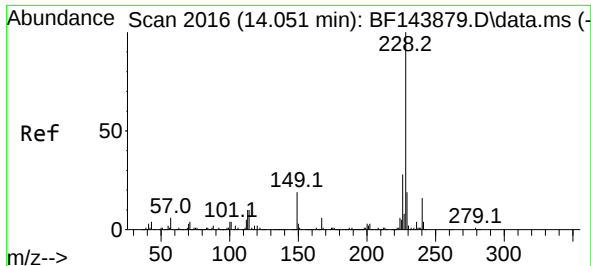
Tgt Ion:202	Resp:	120171
Ion Ratio	Lower	Upper
202	100	
200	20.6	17.0 25.6
203	19.0	13.8 20.6



#79
 Terphenyl-d14
 Concen: 37.576 ng
 RT: 12.998 min Scan# 1837
 Delta R.T. -0.012 min
 Lab File: BF143938.D
 Acq: 13 Oct 2025 18:00

Tgt Ion:244	Resp:	493407
Ion Ratio	Lower	Upper
244	100	
212	6.5	5.4 8.0
122	10.0	6.4 9.6

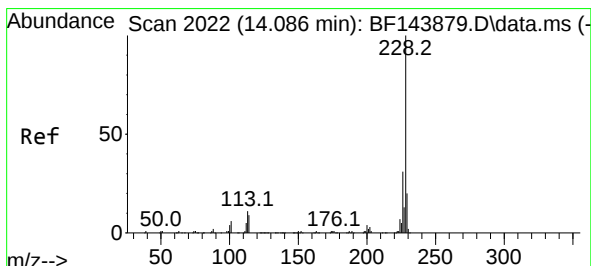
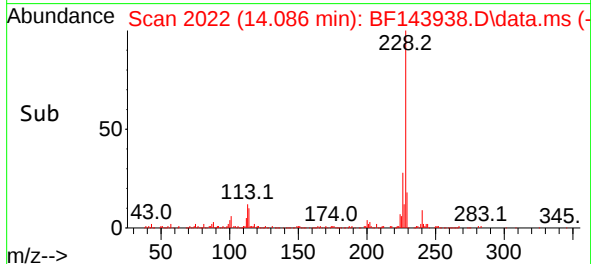
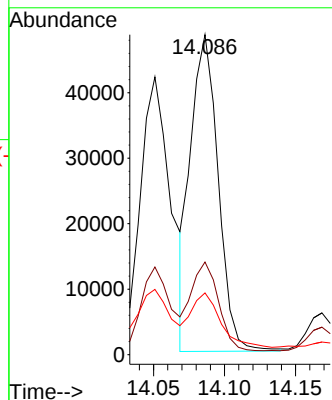
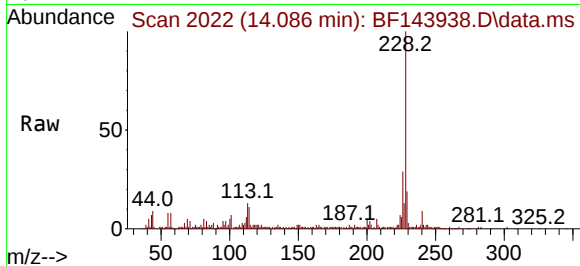




#81
Benzo(a)anthracene
Concen: 4.435 ng
RT: 14.086 min Scan# 2022
Delta R.T. 0.030 min
Lab File: BF143938.D
Acq: 13 Oct 2025 18:00

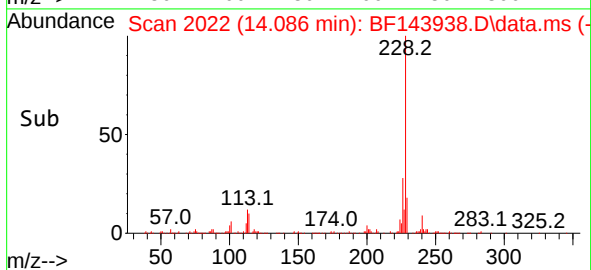
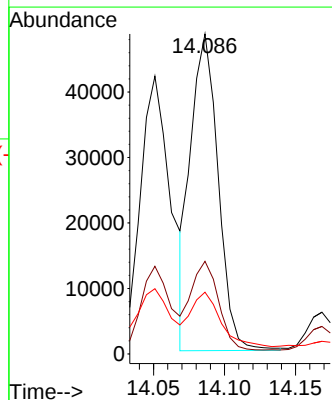
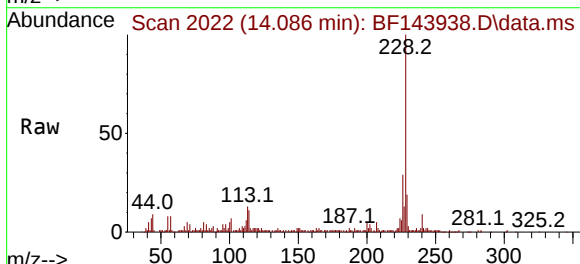
Instrument :
BNA_F
ClientSampleId :
SED-02-0-2

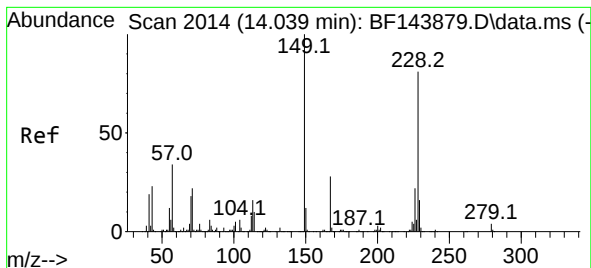
Tgt Ion:228 Resp: 65137
Ion Ratio Lower Upper
228 100
226 28.9 22.2 33.2
229 19.3 15.6 23.4



#83
Chrysene
Concen: 4.792 ng
RT: 14.086 min Scan# 2022
Delta R.T. -0.006 min
Lab File: BF143938.D
Acq: 13 Oct 2025 18:00

Tgt Ion:228 Resp: 65137
Ion Ratio Lower Upper
228 100
226 28.9 24.4 36.6
229 19.3 15.9 23.9

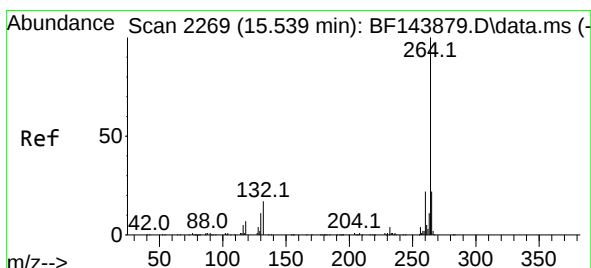
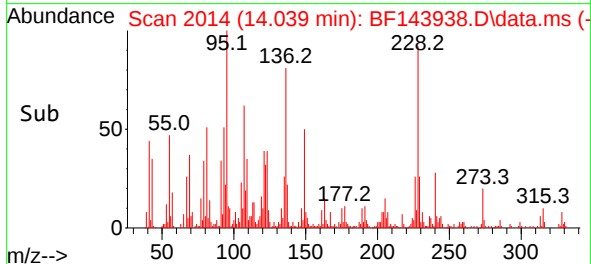
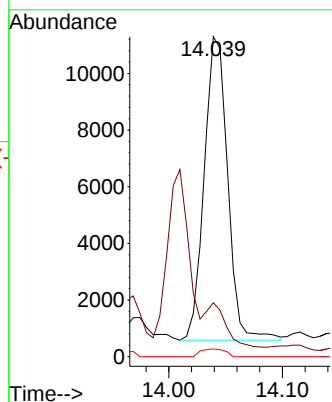
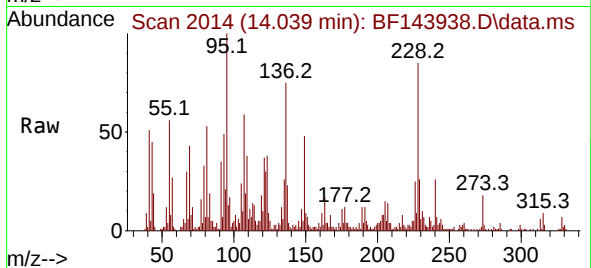




#84
Bis(2-ethylhexyl)phthalate
Concen: 2.103 ng
RT: 14.039 min Scan# 2014
Delta R.T. 0.000 min
Lab File: BF143938.D
Acq: 13 Oct 2025 18:00

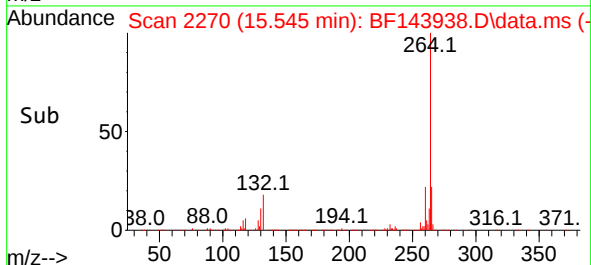
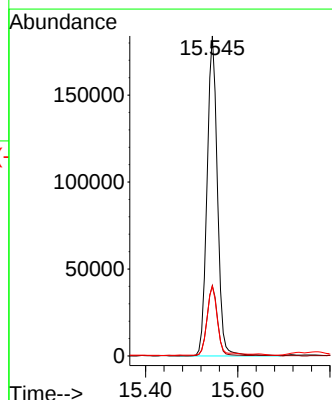
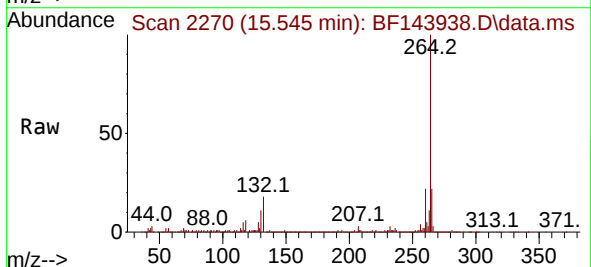
Instrument :
BNA_F
ClientSampleId :
SED-02-0-2

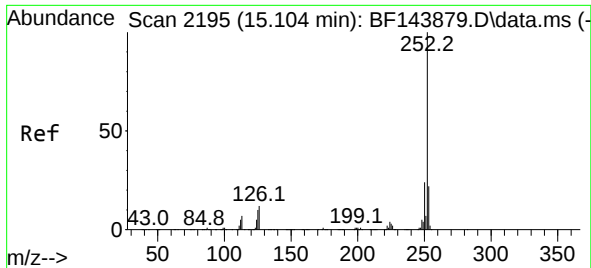
Tgt Ion:149 Resp: 15404
Ion Ratio Lower Upper
149 100
167 16.8 22.2 33.4#
279 2.4 3.1 4.7#



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.545 min Scan# 2270
Delta R.T. 0.000 min
Lab File: BF143938.D
Acq: 13 Oct 2025 18:00

Tgt Ion:264 Resp: 290653
Ion Ratio Lower Upper
264 100
260 22.0 17.8 26.8
265 21.8 17.5 26.3

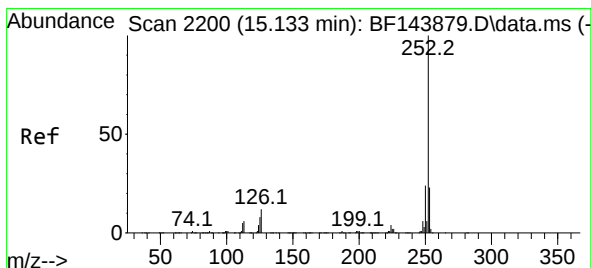
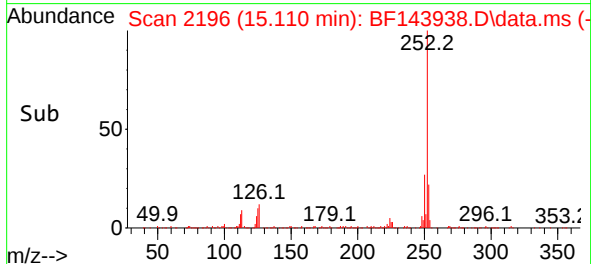
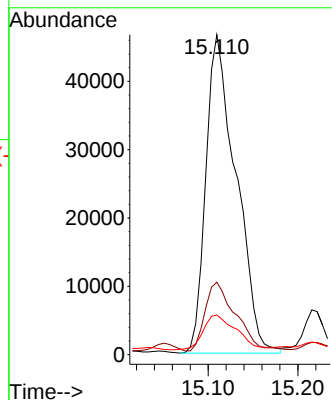
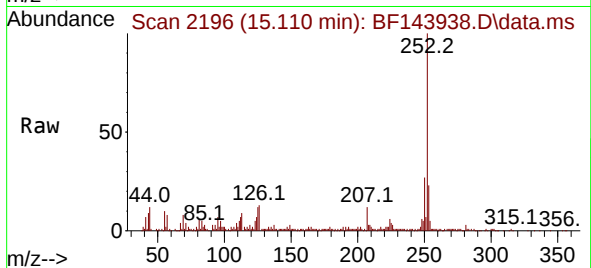




#88
Benzo(b)fluoranthene
Concen: 6.518 ng
RT: 15.110 min Scan# 2195
Delta R.T. -0.006 min
Lab File: BF143938.D
Acq: 13 Oct 2025 18:00

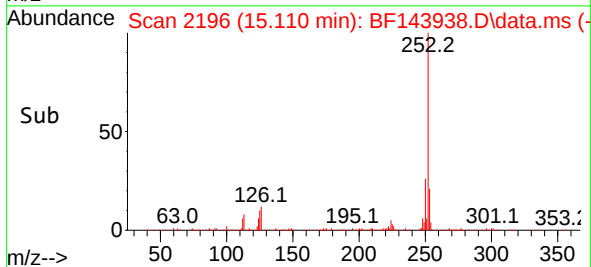
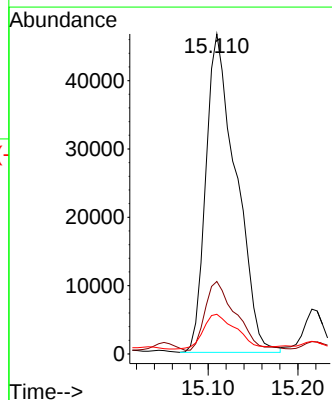
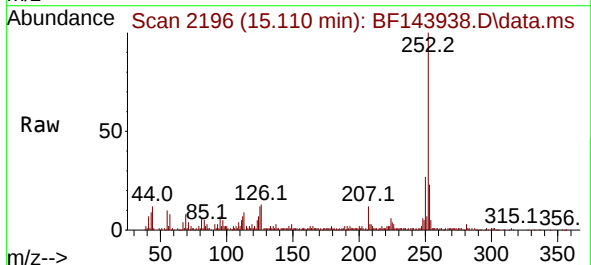
Instrument :
BNA_F
ClientSampleId :
SED-02-0-2

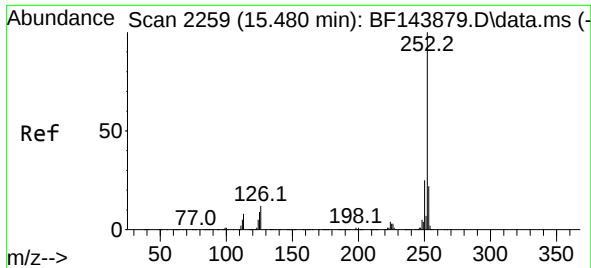
Tgt Ion:252 Resp: 108824
Ion Ratio Lower Upper
252 100
253 22.6 17.4 26.2
125 12.4 7.8 11.6#



#89
Benzo(k)fluoranthene
Concen: 7.044 ng
RT: 15.110 min Scan# 2196
Delta R.T. -0.035 min
Lab File: BF143938.D
Acq: 13 Oct 2025 18:00

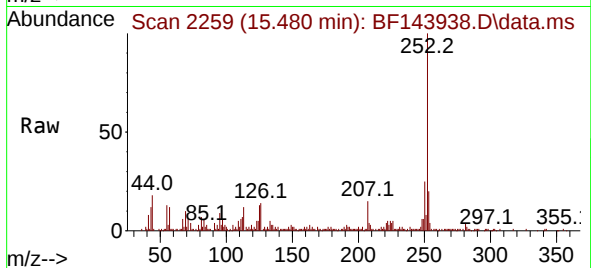
Tgt Ion:252 Resp: 108824
Ion Ratio Lower Upper
252 100
253 22.6 17.8 26.8
125 12.4 7.4 11.2#





#90
 Benzo(a)pyrene
 Concen: 3.821 ng
 RT: 15.480 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BF143938.D
 Acq: 13 Oct 2025 18:00

Instrument :
 BNA_F
 ClientSampleId :
 SED-02-0-2



Tgt Ion:252 Resp: 55312
 Ion Ratio Lower Upper
 252 100
 253 20.1 17.3 25.9
 125 13.0 7.0 10.4#

