

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112625\
 Data File : BF144371.D
 Acq On : 26 Nov 2025 20:13
 Operator : RC/JU
 Sample : Q3719-09
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-1125-15A

Quant Time: Nov 27 00:52:07 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)

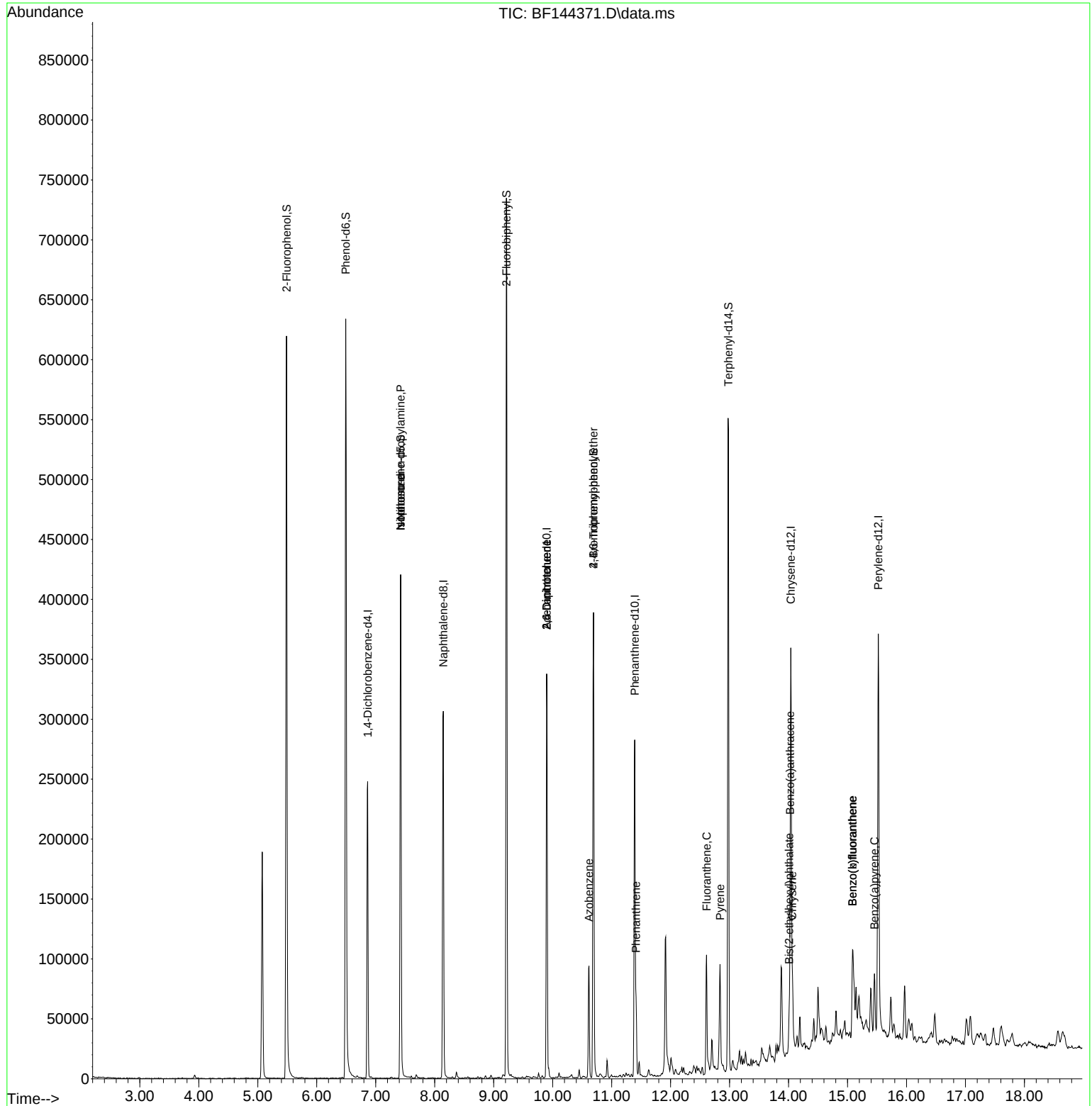
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.863	152	55771	20.000	ng	-0.01
21) Naphthalene-d8	8.145	136	208342	20.000	ng	-0.01
39) Acenaphthene-d10	9.898	164	106207	20.000	ng	-0.02
64) Phenanthrene-d10	11.392	188	155107	20.000	ng	-0.01
76) Chrysene-d12	14.039	240	141509	20.000	ng	-0.01
86) Perylene-d12	15.521	264	167558	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	260191	73.007	ng	0.00
7) Phenol-d6	6.492	99	295569	73.193	ng	0.00
23) Nitrobenzene-d5	7.422	82	179213	49.680	ng	-0.01
42) 2,4,6-Tribromophenol	10.692	330	77179	57.909	ng	-0.01
45) 2-Fluorobiphenyl	9.216	172	349793	48.643	ng	-0.01
79) Terphenyl-d14	12.980	244	294101	33.012	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.422	70	24853	9.349	ng	# 80
25) Isophorone	7.422	82	179211	26.264	ng	# 66
51) 2,6-Dinitrotoluene	9.898	165	13267	9.315	ng	# 28
57) 2,4-Dinitrotoluene	9.898	165	13267	6.958	ng	# 28
63) Azobenzene	10.616	77	24528	4.063	ng	# 1
67) 4-Bromophenyl-phenylether	10.692	248	4846	2.448	ng	# 1
71) Phenanthrene	11.416	178	36002	4.662	ng	98
75) Fluoranthene	12.610	202	56236	7.049	ng	98
78) Pyrene	12.839	202	51777	4.538	ng	98
81) Benzo(a)anthracene	14.027	228	36329	3.704	ng	# 93
83) Chrysene	14.062	228	32683	3.610	ng	# 93
84) Bis(2-ethylhexyl)phtha...	14.010	149	11769	2.174	ng	100
88) Benzo(b)fluoranthene	15.086	252	65837	6.911	ng	# 94
89) Benzo(k)fluoranthene	15.086	252	65837	7.384	ng	# 96
90) Benzo(a)pyrene	15.457	252	30358	3.454	ng	# 97

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

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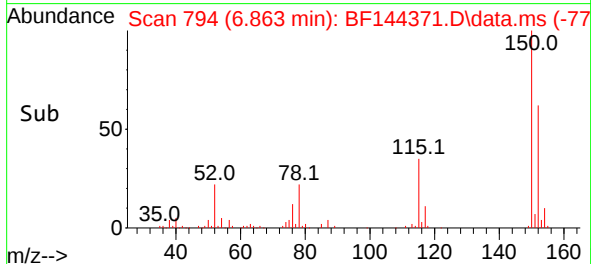
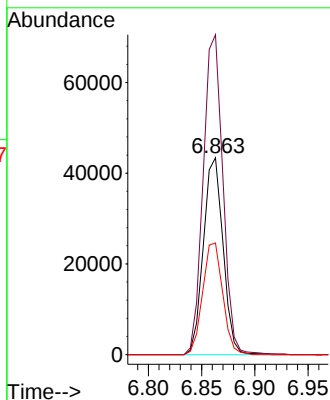
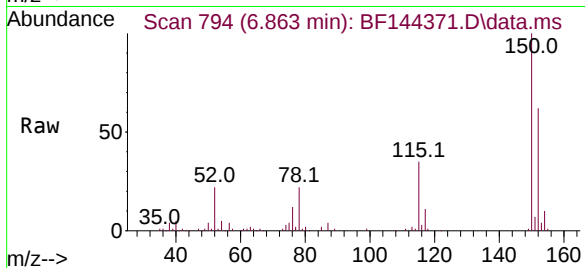




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.863 min Scan# 796
Delta R.T. -0.012 min
Lab File: BF144371.D
Acq: 26 Nov 2025 20:13

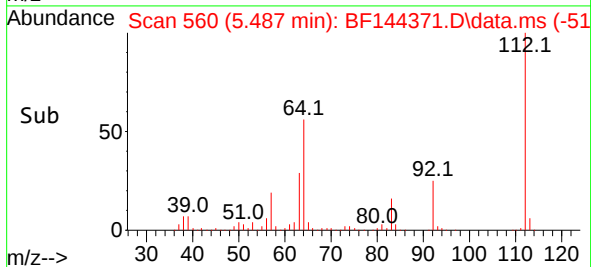
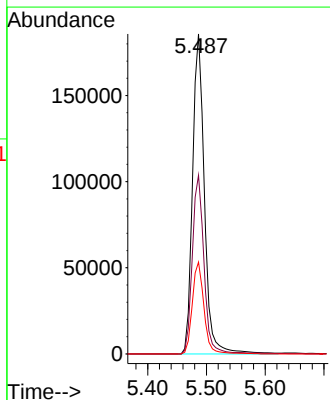
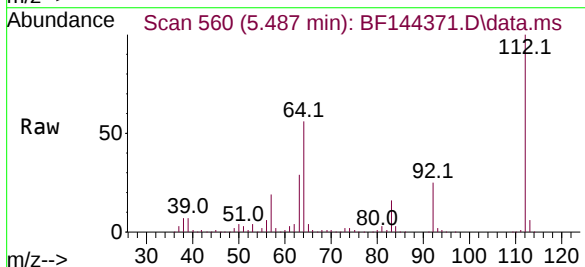
Instrument :
BNA_F
ClientSampleId :
SB-1125-15A

Tgt Ion:152 Resp: 55771
Ion Ratio Lower Upper
152 100
150 162.6 127.4 191.0
115 56.7 49.5 74.3



#5
2-Fluorophenol
Concen: 73.007 ng
RT: 5.487 min Scan# 560
Delta R.T. -0.006 min
Lab File: BF144371.D
Acq: 26 Nov 2025 20:13

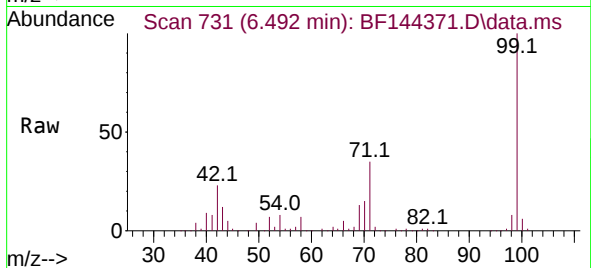
Tgt Ion:112 Resp: 260191
Ion Ratio Lower Upper
112 100
64 55.8 47.2 70.8
63 28.7 24.4 36.6



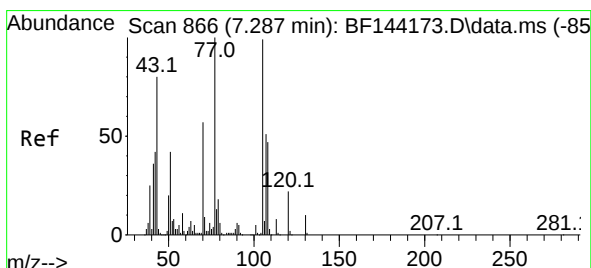
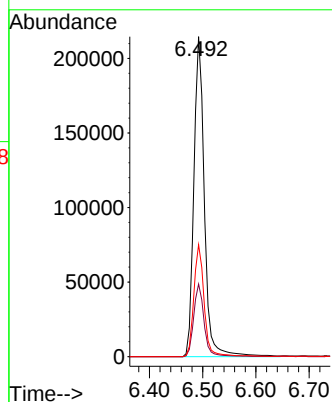
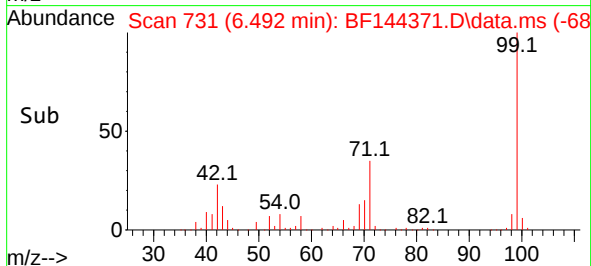


#7
Phenol-d6
Concen: 73.193 ng
RT: 6.492 min Scan# 731
Delta R.T. -0.006 min
Lab File: BF144371.D
Acq: 26 Nov 2025 20:13

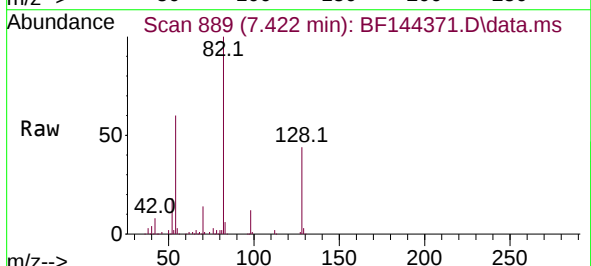
Instrument :
BNA_F
ClientSampleId :
SB-1125-15A



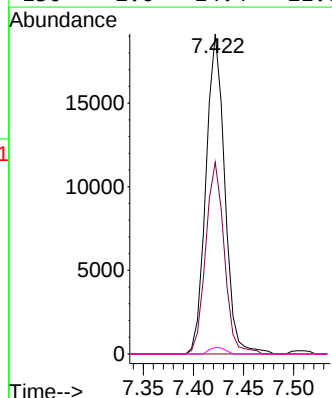
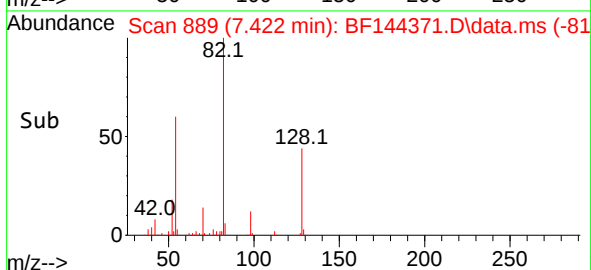
Tgt Ion: 99 Resp: 295569
Ion Ratio Lower Upper
99 100
42 22.7 20.9 31.3
71 35.0 31.4 47.2

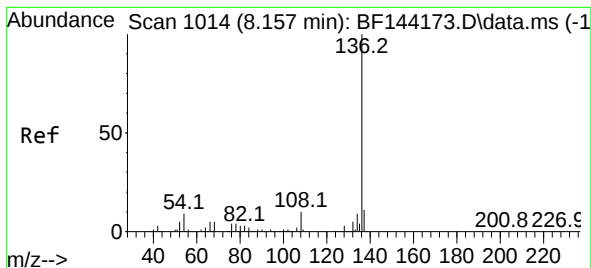


#19
n-Nitroso-di-n-propylamine
Concen: 9.349 ng
RT: 7.422 min Scan# 889
Delta R.T. 0.147 min
Lab File: BF144371.D
Acq: 26 Nov 2025 20:13



Tgt Ion: 70 Resp: 24853
Ion Ratio Lower Upper
70 100
42 59.9 58.3 87.5
101 0.0 7.0 10.6#
130 2.0 14.4 21.6#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.145 min Scan# 10

Delta R.T. -0.012 min

Lab File: BF144371.D

Acq: 26 Nov 2025 20:13

Instrument :

BNA_F

ClientSampleId :

SB-1125-15A

Tgt Ion:136 Resp: 208342

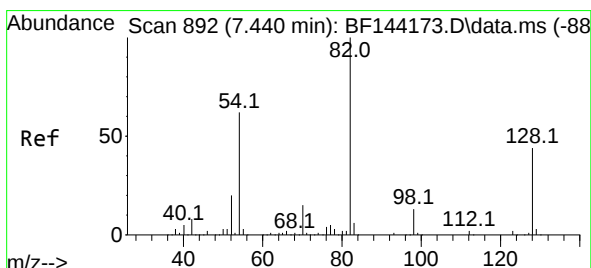
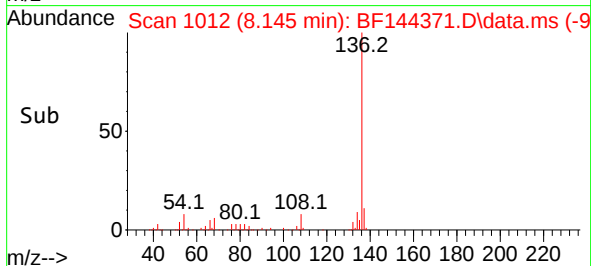
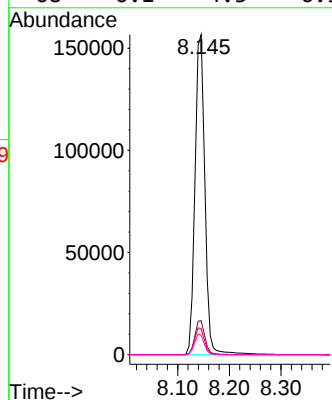
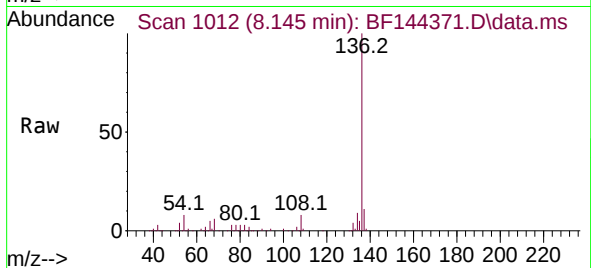
Ion Ratio Lower Upper

136 100

137 10.6 8.6 13.0

54 8.1 7.0 10.6

68 6.1 4.3 6.5



#23

Nitrobenzene-d5

Concen: 49.680 ng

RT: 7.422 min Scan# 889

Delta R.T. -0.012 min

Lab File: BF144371.D

Acq: 26 Nov 2025 20:13

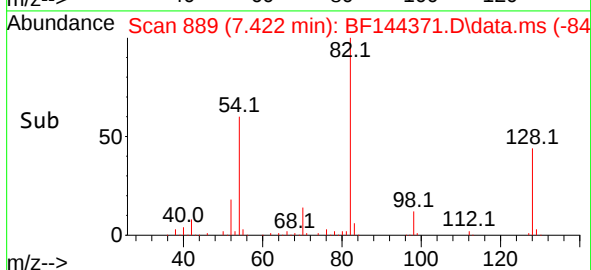
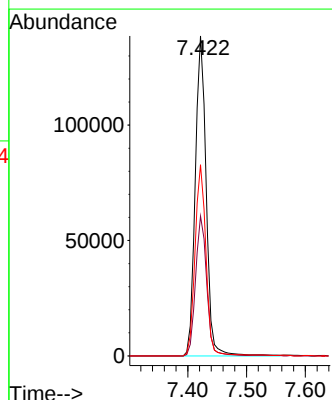
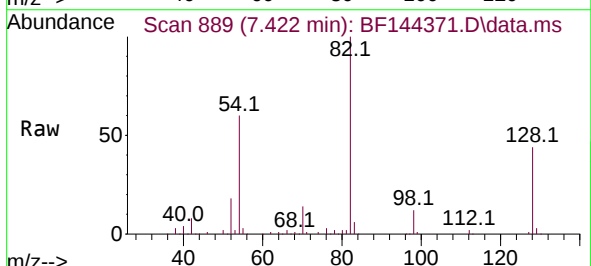
Tgt Ion: 82 Resp: 179213

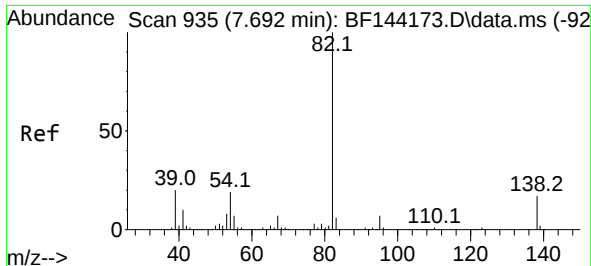
Ion Ratio Lower Upper

82 100

128 43.7 34.7 52.1

54 59.7 49.5 74.3

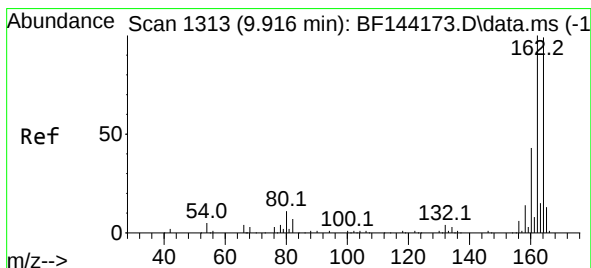
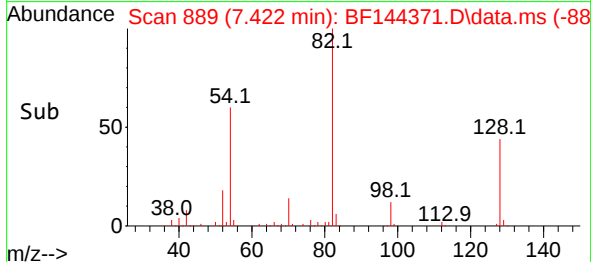
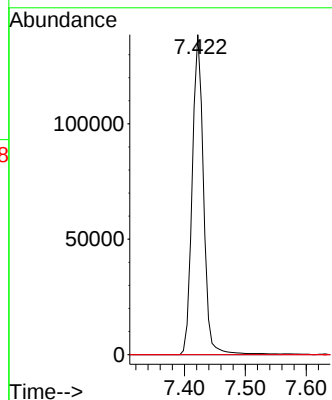
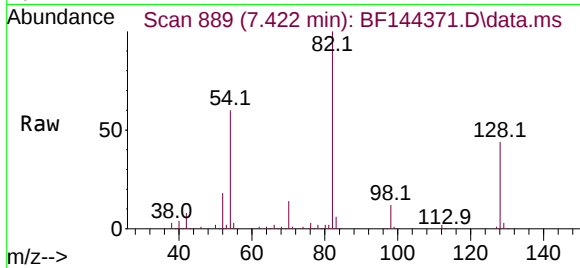




#25
Isophorone
Concen: 26.264 ng
RT: 7.422 min Scan# 88
Delta R.T. -0.265 min
Lab File: BF144371.D
Acq: 26 Nov 2025 20:13

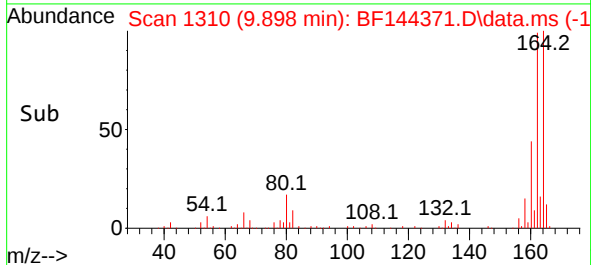
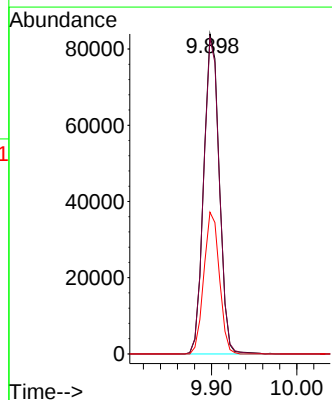
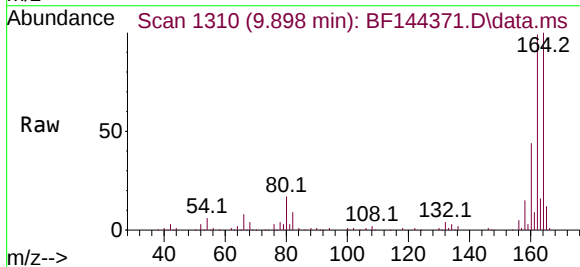
Instrument :
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SB-1125-15A

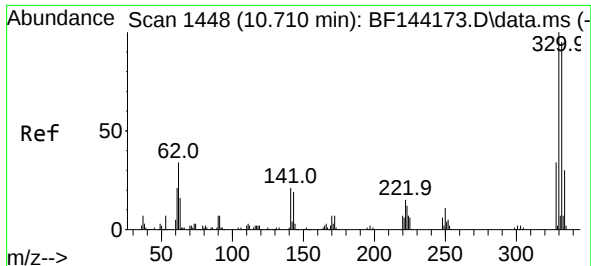
Tgt Ion: 82 Resp: 179211
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 13.7 20.5#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.898 min Scan# 1310
Delta R.T. -0.018 min
Lab File: BF144371.D
Acq: 26 Nov 2025 20:13

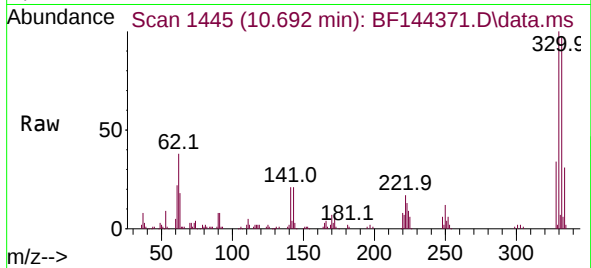
Tgt Ion:164 Resp: 106207
Ion Ratio Lower Upper
164 100
162 98.7 81.1 121.7
160 44.3 34.5 51.7



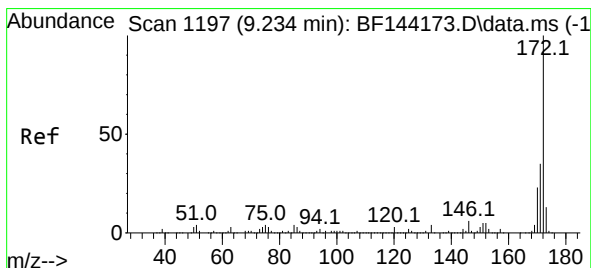
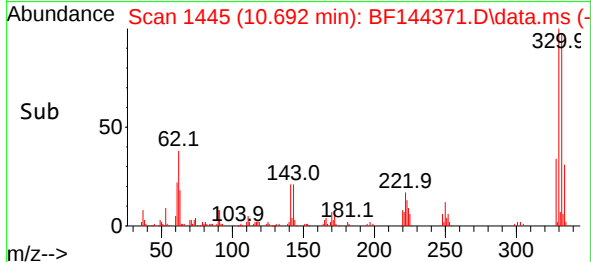
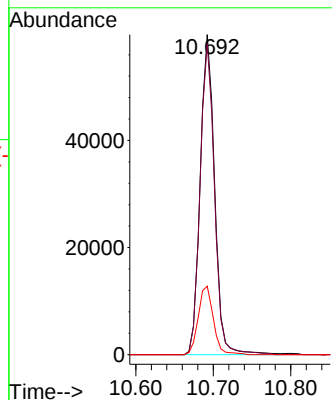


#42
2,4,6-Tribromophenol
Concen: 57.909 ng
RT: 10.692 min Scan# 1445
Delta R.T. -0.012 min
Lab File: BF144371.D
Acq: 26 Nov 2025 20:13

Instrument :
BNA_F
ClientSampleId :
SB-1125-15A

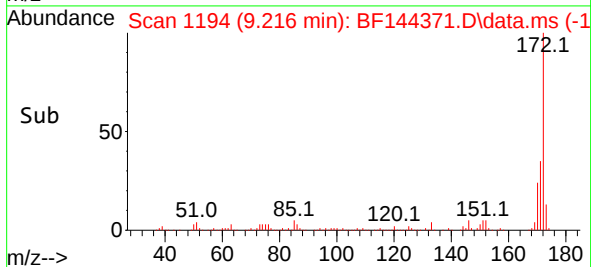
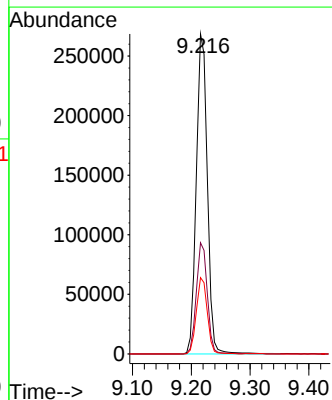
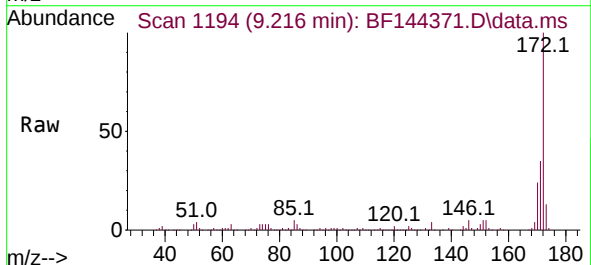


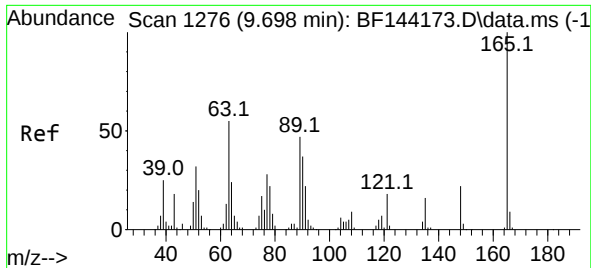
Tgt Ion: 330 Resp: 77179
Ion Ratio Lower Upper
330 100
332 96.9 76.7 115.1
141 22.3 17.8 26.8



#45
2-Fluorobiphenyl
Concen: 48.643 ng
RT: 9.216 min Scan# 1194
Delta R.T. -0.012 min
Lab File: BF144371.D
Acq: 26 Nov 2025 20:13

Tgt Ion: 172 Resp: 349793
Ion Ratio Lower Upper
172 100
171 34.7 28.1 42.1
170 23.8 18.6 28.0

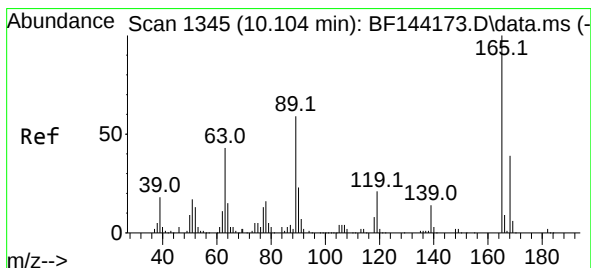
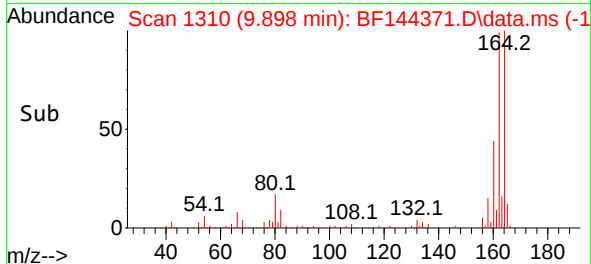
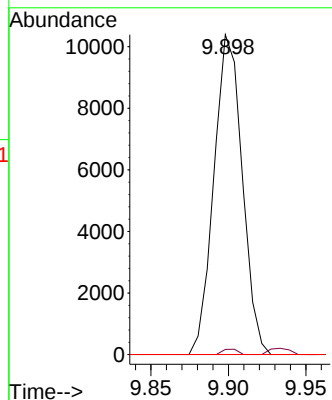
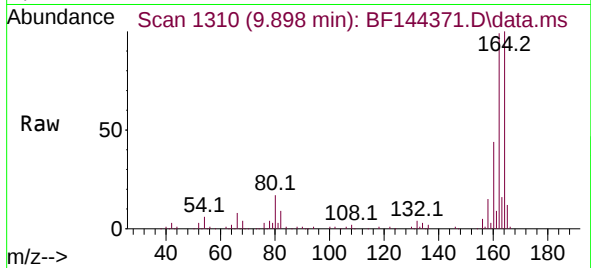




#51
2,6-Dinitrotoluene
Concen: 9.315 ng
RT: 9.898 min Scan# 1310
Delta R.T. 0.206 min
Lab File: BF144371.D
Acq: 26 Nov 2025 20:13

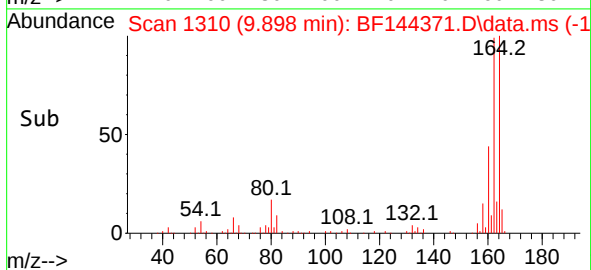
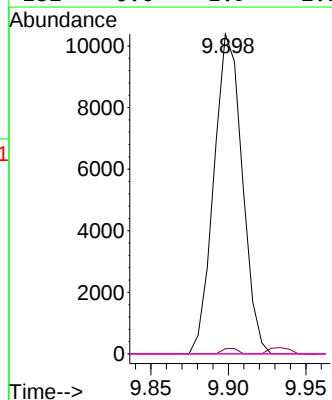
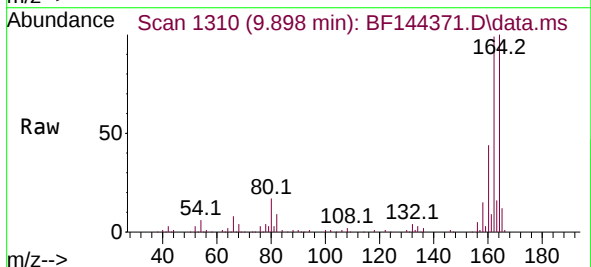
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SB-1125-15A

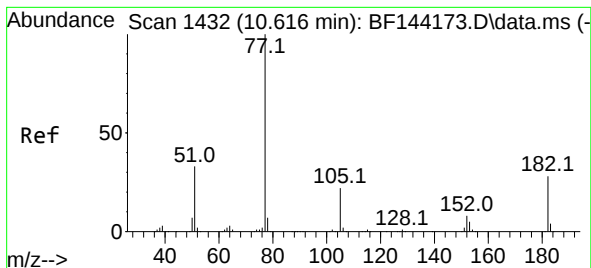
Tgt Ion:165 Resp: 13267
Ion Ratio Lower Upper
165 100
63 1.6 43.8 65.8#
89 0.0 37.5 56.3#



#57
2,4-Dinitrotoluene
Concen: 6.958 ng
RT: 9.898 min Scan# 1310
Delta R.T. -0.200 min
Lab File: BF144371.D
Acq: 26 Nov 2025 20:13

Tgt Ion:165 Resp: 13267
Ion Ratio Lower Upper
165 100
63 1.6 35.5 53.3#
89 0.0 47.4 71.2#
182 0.0 1.9 2.9#





#63

Azobenzene

Concen: 4.063 ng

RT: 10.616 min Scan# 14

Delta R.T. -0.000 min

Lab File: BF144371.D

Acq: 26 Nov 2025 20:13

Instrument :

BNA_F

ClientSampleId :

SB-1125-15A

Tgt Ion: 77 Resp: 24528

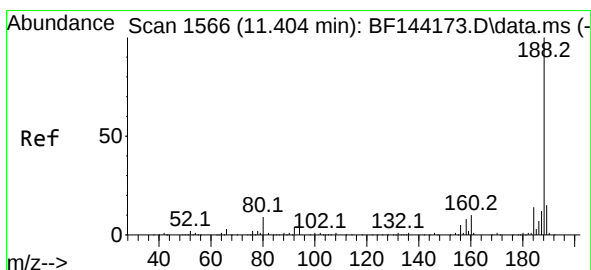
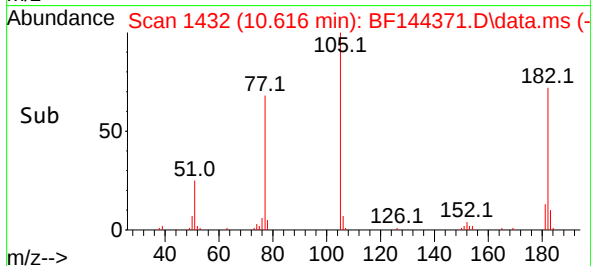
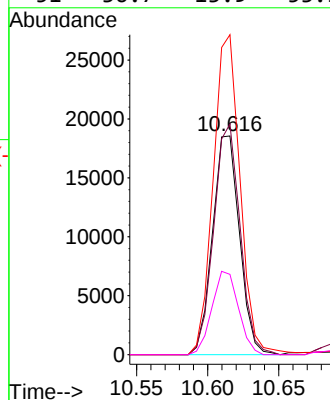
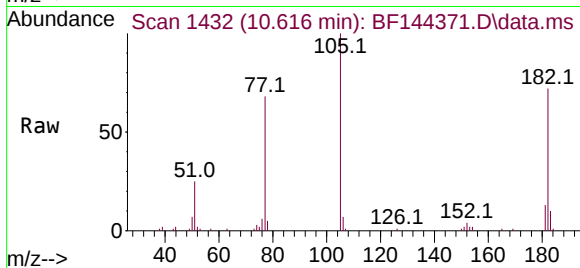
Ion Ratio Lower Upper

77 100

182 105.5 8.1 48.1#

105 146.3 2.0 42.0#

51 36.7 13.9 53.9



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.392 min Scan# 1564

Delta R.T. -0.012 min

Lab File: BF144371.D

Acq: 26 Nov 2025 20:13

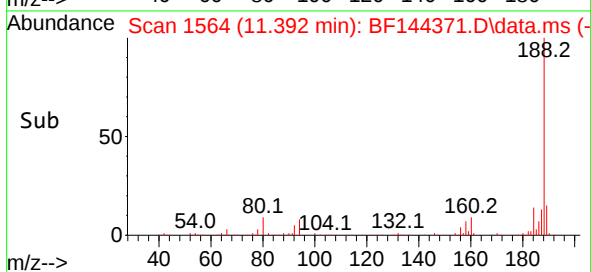
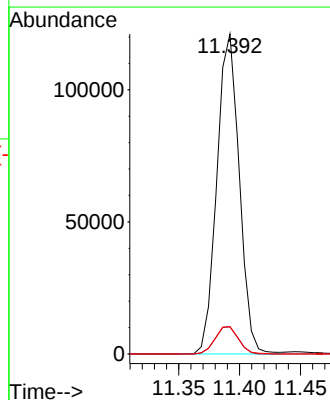
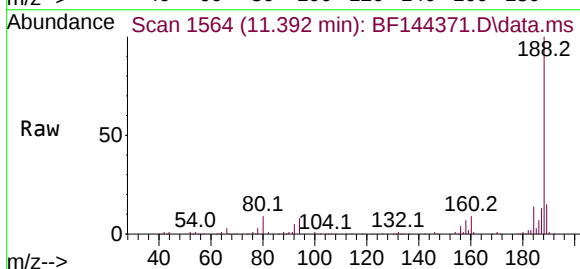
Tgt Ion: 188 Resp: 155107

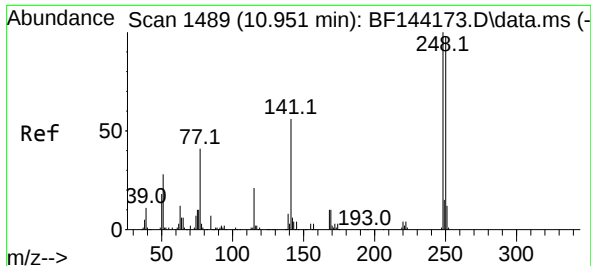
Ion Ratio Lower Upper

188 100

94 8.5 6.2 9.2

80 8.5 6.9 10.3

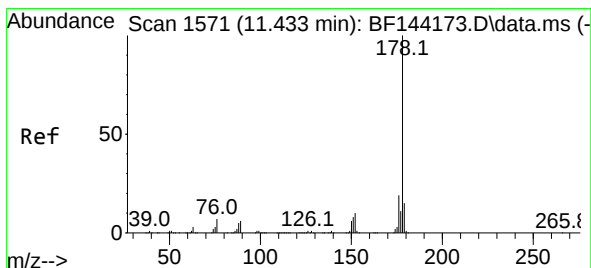
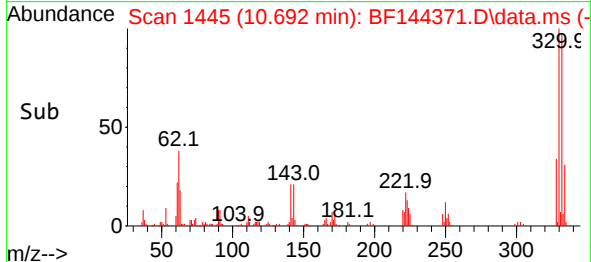
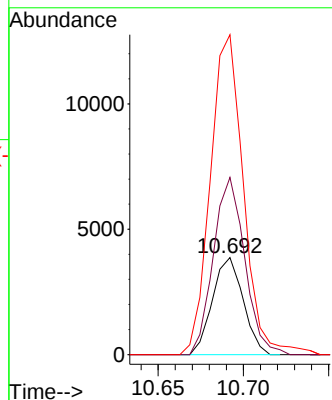
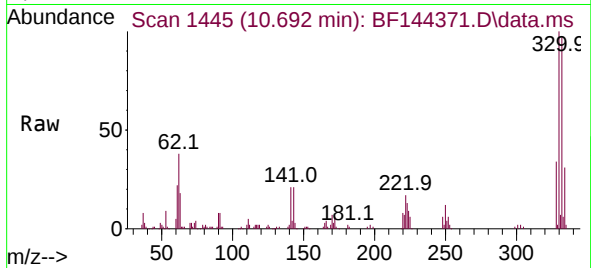




#67
4-Bromophenyl-phenylether
Concen: 2.448 ng
RT: 10.692 min Scan# 1489
Delta R.T. -0.253 min
Lab File: BF144371.D
Acq: 26 Nov 2025 20:13

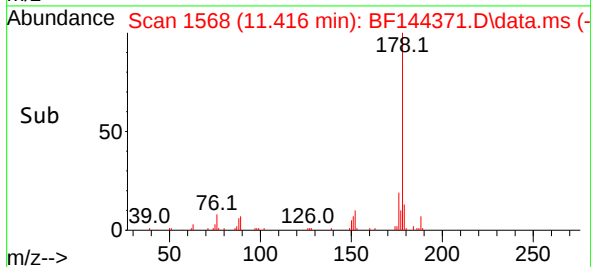
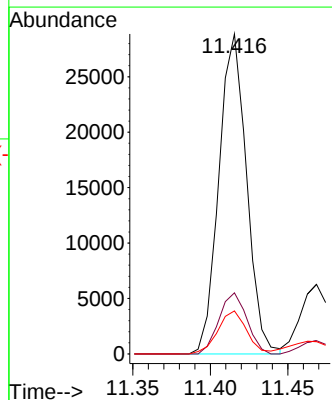
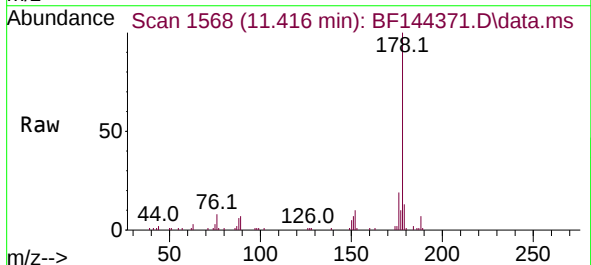
Instrument :
BNA_F
ClientSampleId :
SB-1125-15A

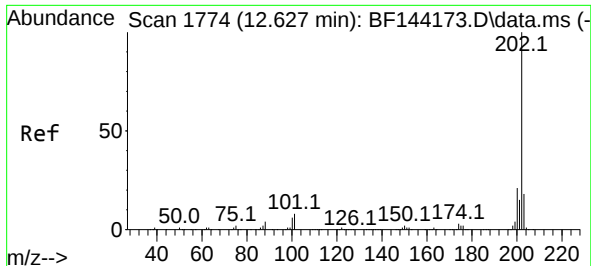
Tgt Ion:248 Resp: 4846
Ion Ratio Lower Upper
248 100
250 182.7 78.4 117.6#
141 329.8 45.1 67.7#



#71
Phenanthrene
Concen: 4.662 ng
RT: 11.416 min Scan# 1568
Delta R.T. -0.012 min
Lab File: BF144371.D
Acq: 26 Nov 2025 20:13

Tgt Ion:178 Resp: 36002
Ion Ratio Lower Upper
178 100
176 19.1 15.5 23.3
179 13.4 12.2 18.4

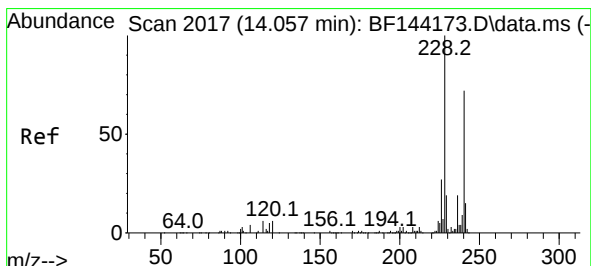
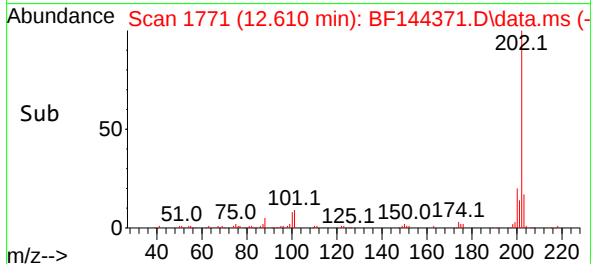
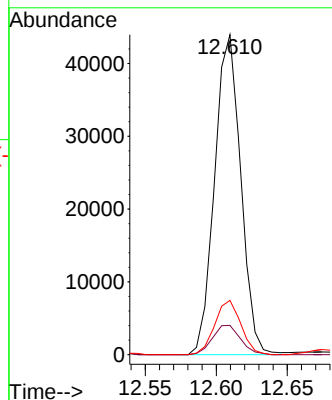
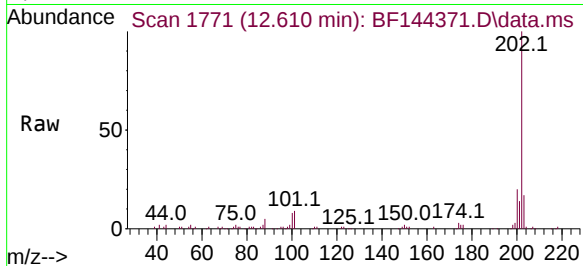




#75
Fluoranthene
Concen: 7.049 ng
RT: 12.610 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF144371.D
Acq: 26 Nov 2025 20:13

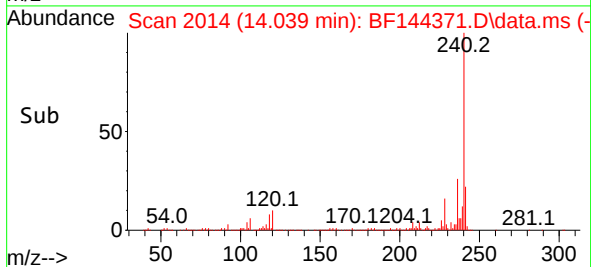
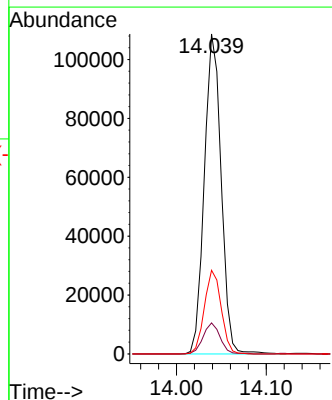
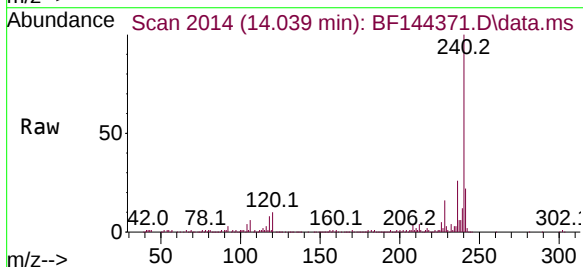
Instrument :
BNA_F
ClientSampleId :
SB-1125-15A

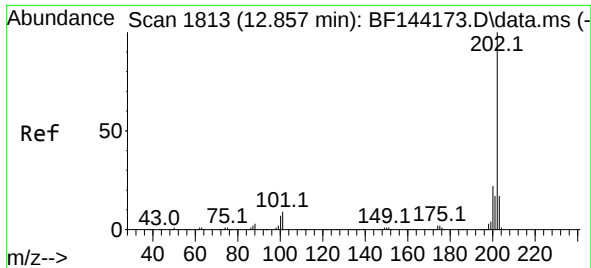
Tgt Ion:202 Resp: 56236
Ion Ratio Lower Upper
202 100
101 9.1 0.0 27.9
203 16.9 0.0 37.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.039 min Scan# 2014
Delta R.T. -0.012 min
Lab File: BF144371.D
Acq: 26 Nov 2025 20:13

Tgt Ion:240 Resp: 141509
Ion Ratio Lower Upper
240 100
120 9.7 6.6 10.0
236 26.1 21.4 32.2

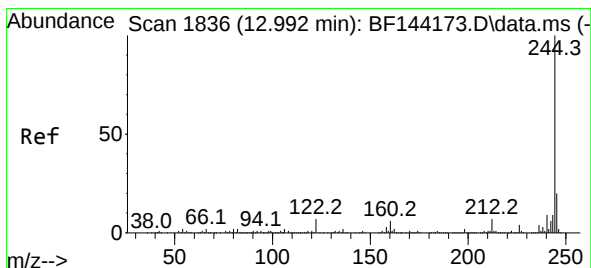
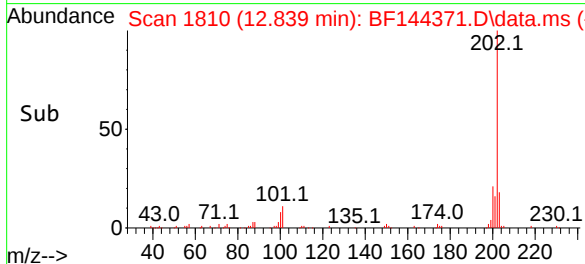
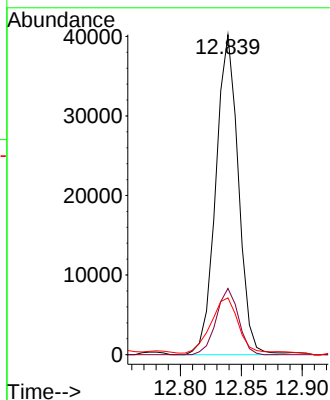
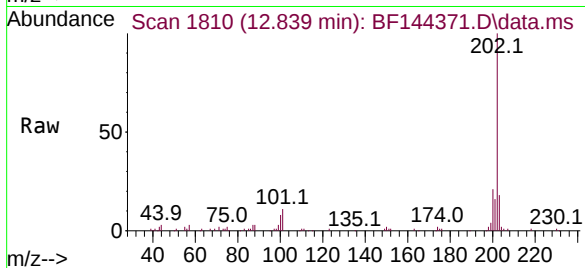




#78
Pyrene
Concen: 4.538 ng
RT: 12.839 min Scan# 1810
Delta R.T. -0.012 min
Lab File: BF144371.D
Acq: 26 Nov 2025 20:13

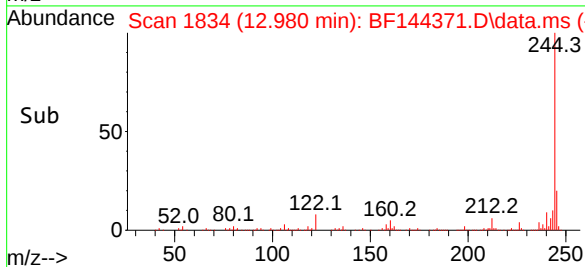
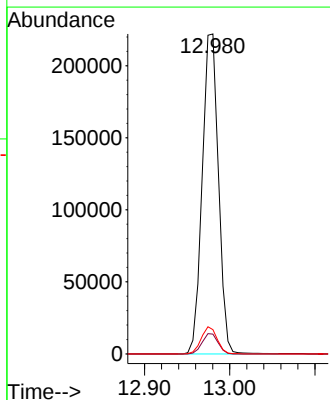
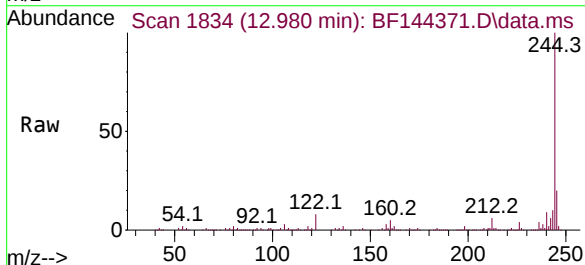
Instrument :
BNA_F
ClientSampleId :
SB-1125-15A

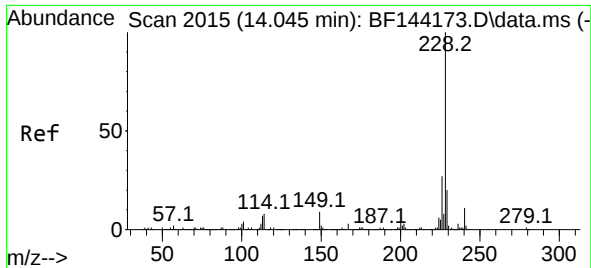
Tgt Ion:202 Resp: 51777
Ion Ratio Lower Upper
202 100
200 20.7 17.2 25.8
203 17.7 13.7 20.5



#79
Terphenyl-d14
Concen: 33.012 ng
RT: 12.980 min Scan# 1834
Delta R.T. -0.012 min
Lab File: BF144371.D
Acq: 26 Nov 2025 20:13

Tgt Ion:244 Resp: 294101
Ion Ratio Lower Upper
244 100
212 6.2 5.3 7.9
122 7.6 5.6 8.4

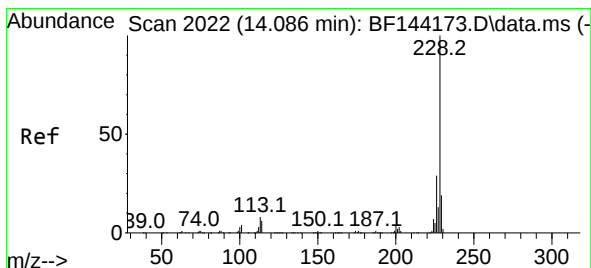
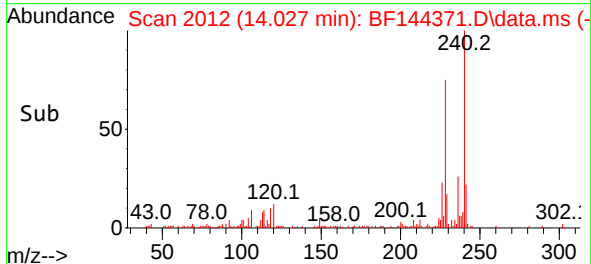
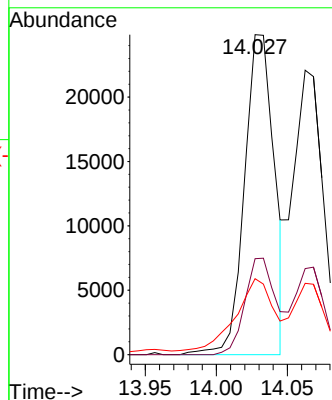
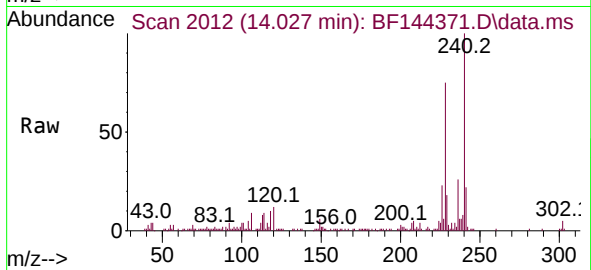




#81
Benzo(a)anthracene
Concen: 3.704 ng
RT: 14.027 min Scan# 2018
Delta R.T. -0.018 min
Lab File: BF144371.D
Acq: 26 Nov 2025 20:13

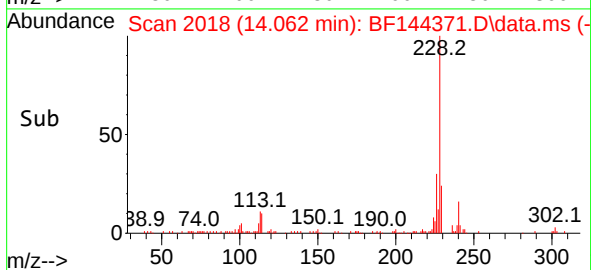
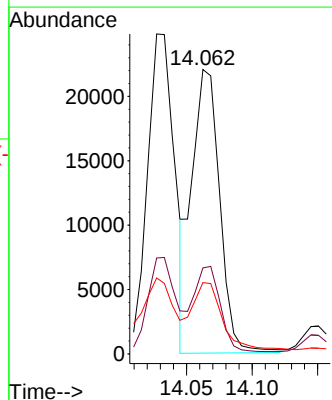
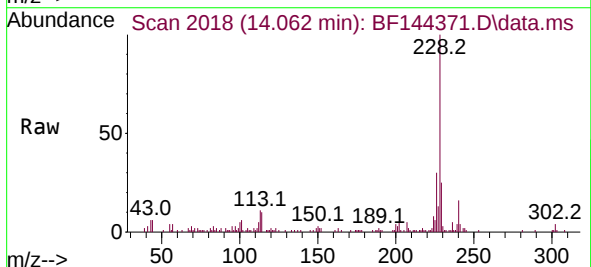
Instrument :
BNA_F
ClientSampleId :
SB-1125-15A

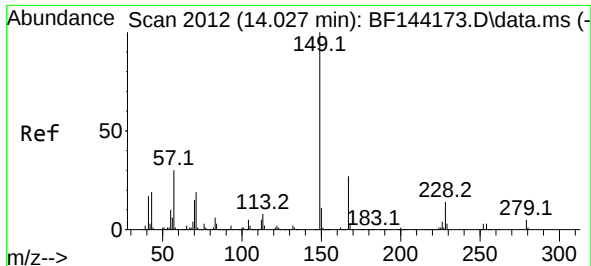
Tgt Ion:228 Resp: 36329
Ion Ratio Lower Upper
228 100
226 30.0 21.8 32.8
229 23.7 15.8 23.6#



#83
Chrysene
Concen: 3.610 ng
RT: 14.062 min Scan# 2018
Delta R.T. -0.018 min
Lab File: BF144371.D
Acq: 26 Nov 2025 20:13

Tgt Ion:228 Resp: 32683
Ion Ratio Lower Upper
228 100
226 30.2 22.9 34.3
229 25.1 15.0 22.6#





#84
Bis(2-ethylhexyl)phthalate
Concen: 2.174 ng
RT: 14.010 min Scan# 2012
Delta R.T. -0.018 min
Lab File: BF144371.D
Acq: 26 Nov 2025 20:13

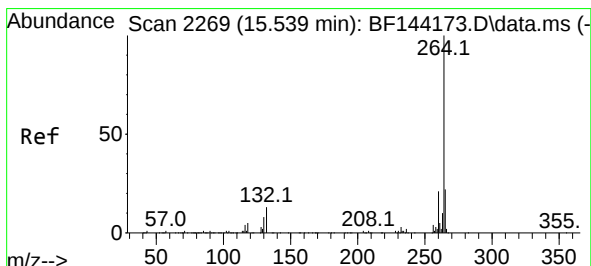
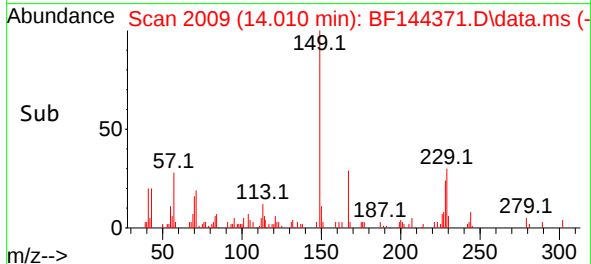
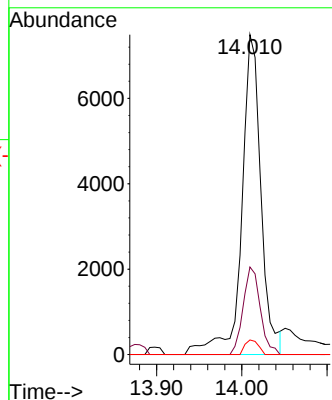
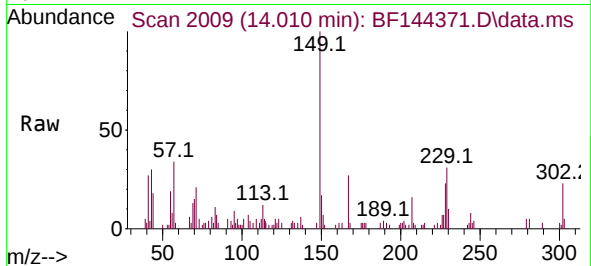
Instrument :

BNA_F

ClientSampleId :

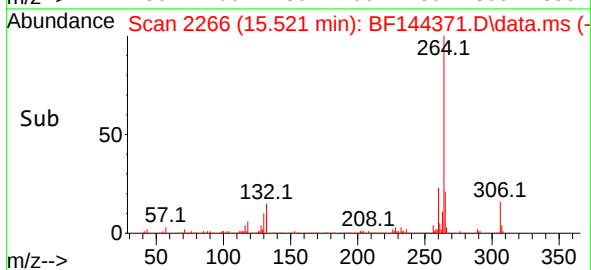
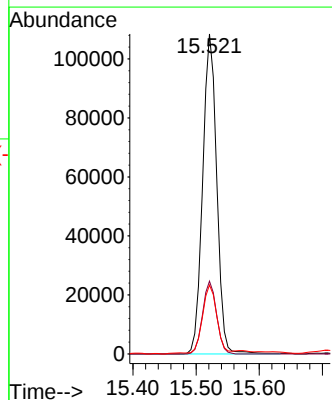
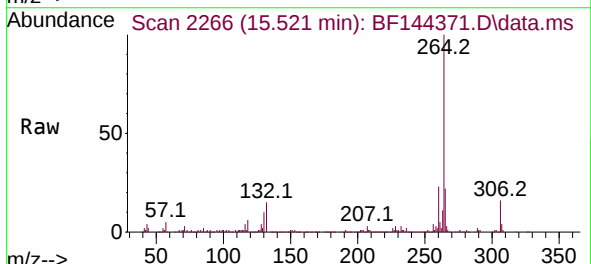
SB-1125-15A

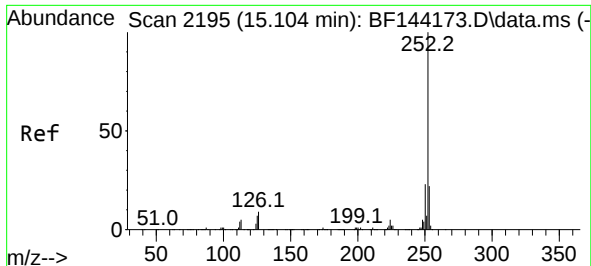
Tgt Ion:149 Resp: 11769
Ion Ratio Lower Upper
149 100
167 27.4 21.8 32.8
279 4.6 3.7 5.5



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.521 min Scan# 2266
Delta R.T. -0.018 min
Lab File: BF144371.D
Acq: 26 Nov 2025 20:13

Tgt Ion:264 Resp: 167558
Ion Ratio Lower Upper
264 100
260 22.7 17.1 25.7
265 21.5 17.4 26.0

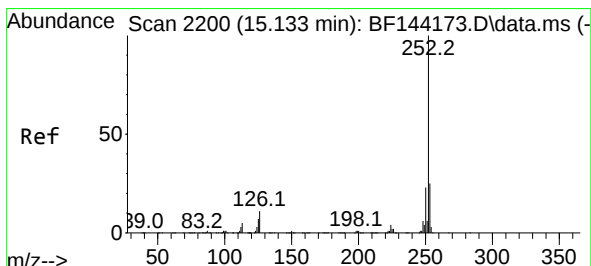
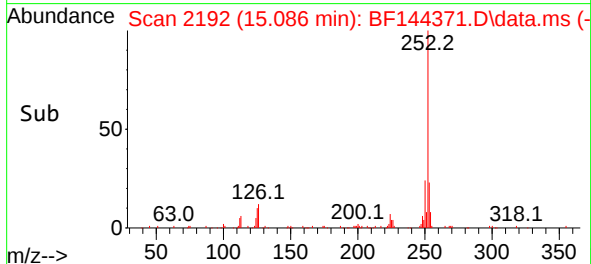
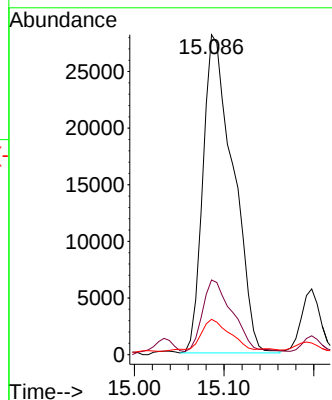
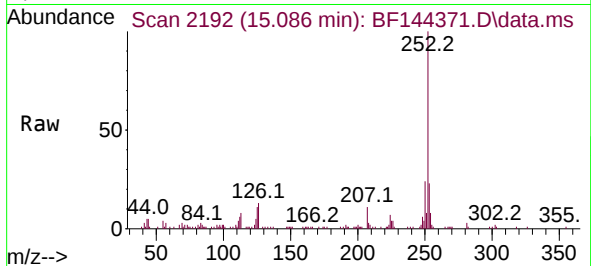




#88
Benzo(b)fluoranthene
Concen: 6.911 ng
RT: 15.086 min Scan# 2192
Delta R.T. -0.012 min
Lab File: BF144371.D
Acq: 26 Nov 2025 20:13

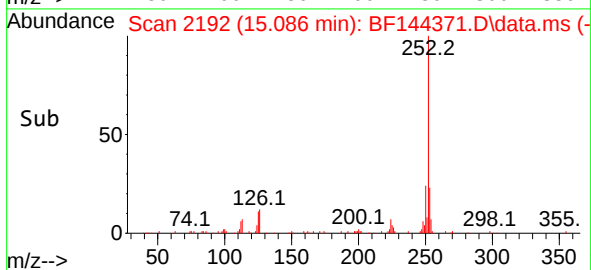
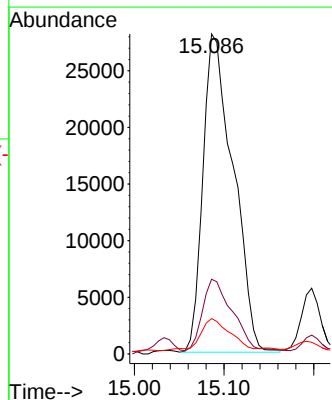
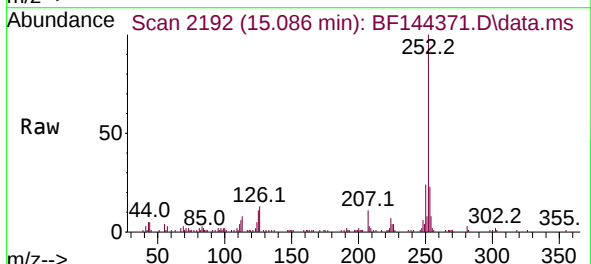
Instrument :
BNA_F
ClientSampleId :
SB-1125-15A

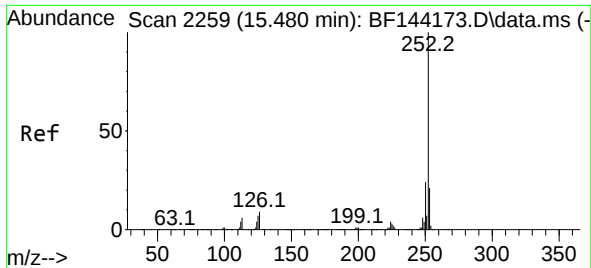
Tgt Ion:252 Resp: 65837
Ion Ratio Lower Upper
252 100
253 23.3 17.4 26.2
125 11.0 5.3 7.9#



#89
Benzo(k)fluoranthene
Concen: 7.384 ng
RT: 15.086 min Scan# 2192
Delta R.T. -0.041 min
Lab File: BF144371.D
Acq: 26 Nov 2025 20:13

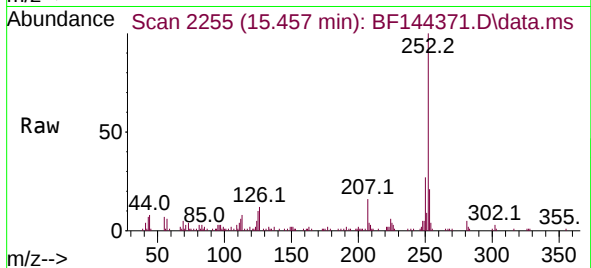
Tgt Ion:252 Resp: 65837
Ion Ratio Lower Upper
252 100
253 23.3 18.0 27.0
125 11.0 5.4 8.2#





#90
 Benzo(a)pyrene
 Concen: 3.454 ng
 RT: 15.457 min Scan# 21
 Delta R.T. -0.018 min
 Lab File: BF144371.D
 Acq: 26 Nov 2025 20:13

Instrument :
 BNA_F
 ClientSampleId :
 SB-1125-15A



Tgt Ion:252 Resp: 30358
 Ion Ratio Lower Upper
 252 100
 253 21.4 16.7 25.1
 125 10.0 5.7 8.5#

