

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112625\
 Data File : BF144363.D
 Acq On : 26 Nov 2025 16:11
 Operator : RC/JU
 Sample : Q3719-01
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-1125-10A

Quant Time: Nov 26 16:31:20 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)

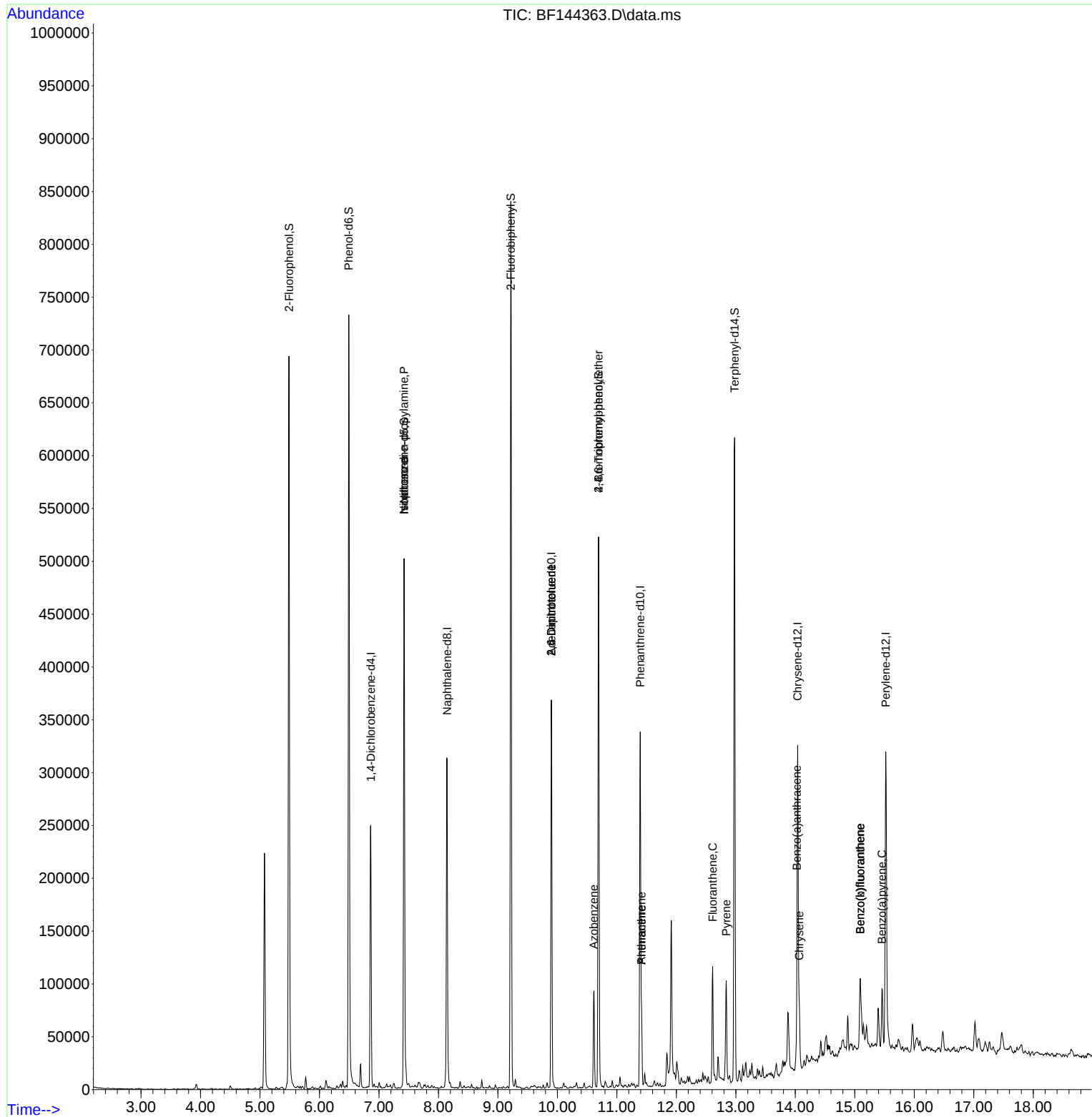
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.863	152	56003	20.000	ng	-0.01
21) Naphthalene-d8	8.145	136	212654	20.000	ng	-0.01
39) Acenaphthene-d10	9.898	164	113982	20.000	ng	-0.02
64) Phenanthrene-d10	11.392	188	182608	20.000	ng	-0.01
76) Chrysene-d12	14.039	240	130422	20.000	ng	#-0.01
86) Perylene-d12	15.521	264	170948	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	287848	80.432	ng	0.00
7) Phenol-d6	6.492	99	331956	81.863	ng	0.00
23) Nitrobenzene-d5	7.422	82	208508	56.629	ng	-0.01
42) 2,4,6-Tribromophenol	10.692	330	103297	72.218	ng	-0.01
45) 2-Fluorobiphenyl	9.216	172	402012	52.091	ng	-0.01
79) Terphenyl-d14	12.980	244	330168	40.211	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.422	70	30832	11.550	ng	# 77
25) Isophorone	7.422	82	208506	29.938	ng	# 66
51) 2,6-Dinitrotoluene	9.898	165	14938	9.772	ng	# 27
57) 2,4-Dinitrotoluene	9.898	165	14938	7.300	ng	# 27
63) Azobenzene	10.610	77	24123	3.724	ng	# 1
67) 4-Bromophenyl-phenylether	10.692	248	5793	2.485	ng	# 1
71) Phenanthrene	11.416	178	38380	4.221	ng	97
72) Anthracene	11.416	178	38380	4.152	ng	96
75) Fluoranthene	12.610	202	62680	6.674	ng	98
78) Pyrene	12.839	202	56946	5.415	ng	98
81) Benzo(a)anthracene	14.027	228	34873	3.858	ng	95
83) Chrysene	14.068	228	33772	4.047	ng	93
88) Benzo(b)fluoranthene	15.092	252	60127	6.187	ng	# 95
89) Benzo(k)fluoranthene	15.092	252	60127	6.610	ng	# 96
90) Benzo(a)pyrene	15.457	252	34099	3.803	ng	# 93

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

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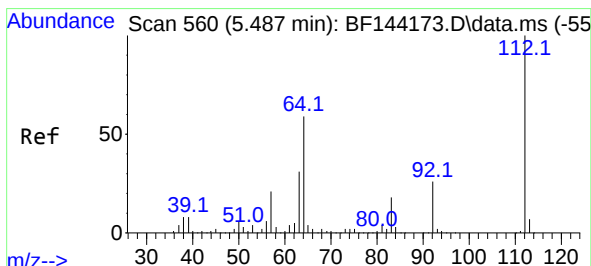
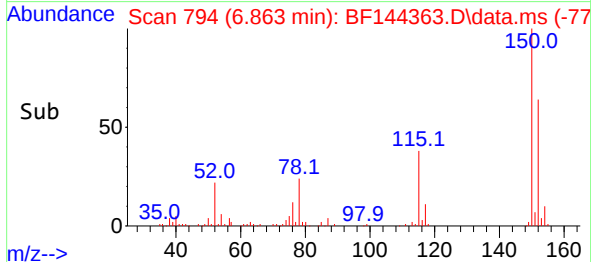
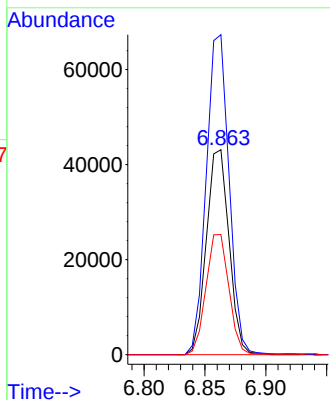
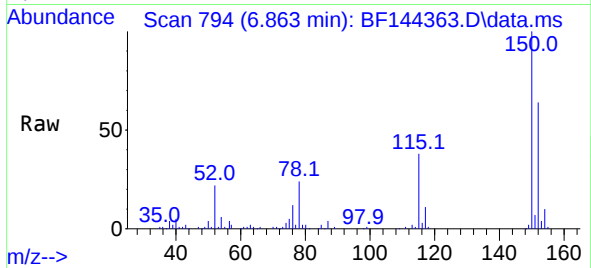




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.863 min Scan# 794
Delta R.T. -0.012 min
Lab File: BF144363.D
Acq: 26 Nov 2025 16:11

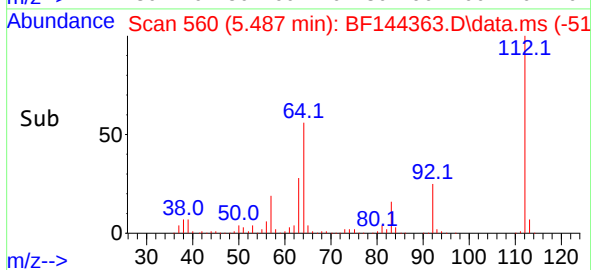
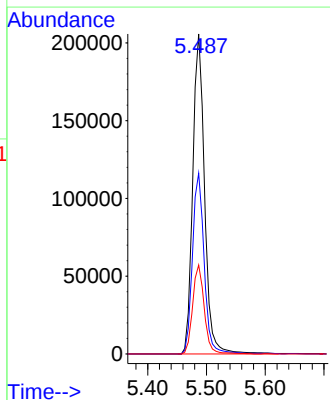
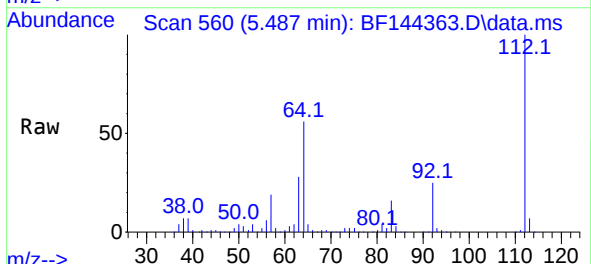
Instrument :
BNA_F
ClientSampleId :
SB-1125-10A

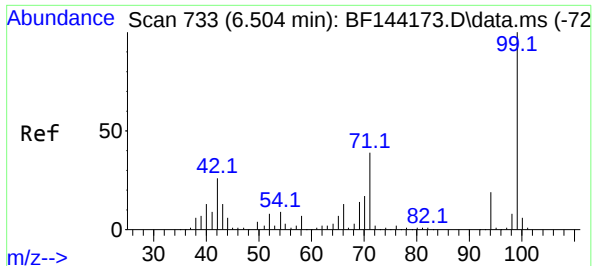
Tgt Ion:152 Resp: 56003
Ion Ratio Lower Upper
152 100
150 156.2 127.4 191.0
115 58.6 49.5 74.3



#5
2-Fluorophenol
Concen: 80.432 ng
RT: 5.487 min Scan# 560
Delta R.T. -0.006 min
Lab File: BF144363.D
Acq: 26 Nov 2025 16:11

Tgt Ion:112 Resp: 287848
Ion Ratio Lower Upper
112 100
64 56.5 47.2 70.8
63 27.8 24.4 36.6

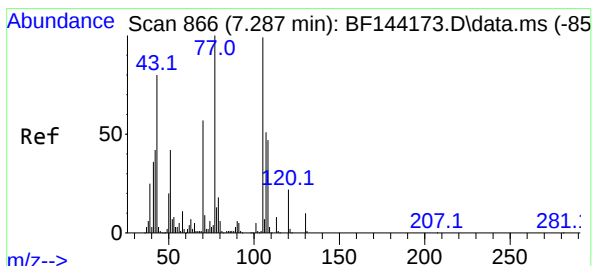
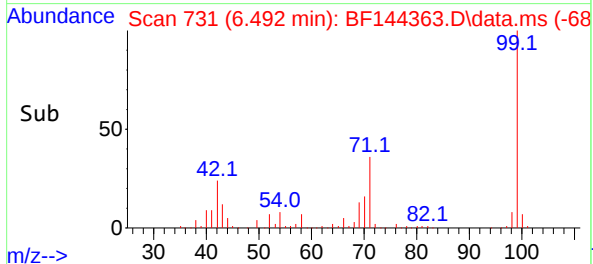
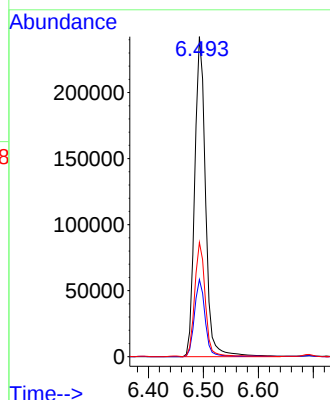
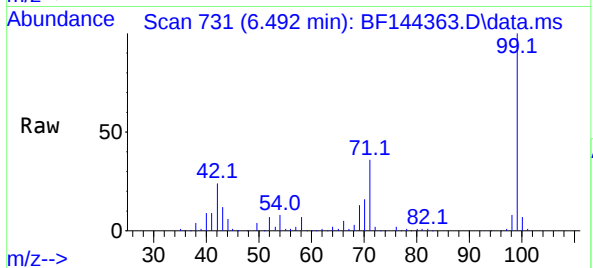




#7
Phenol-d6
Concen: 81.863 ng
RT: 6.492 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF144363.D
Acq: 26 Nov 2025 16:11

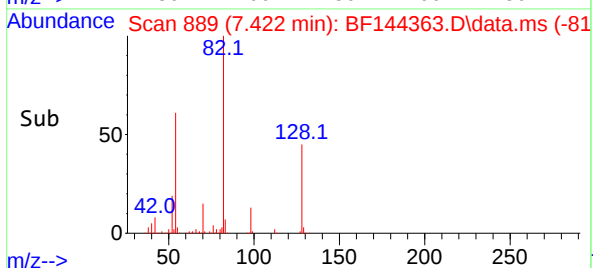
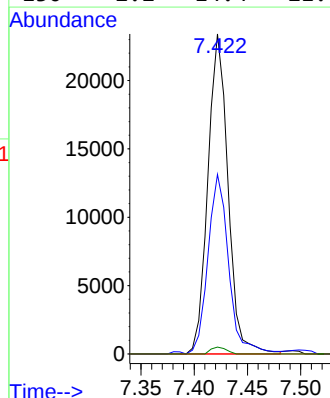
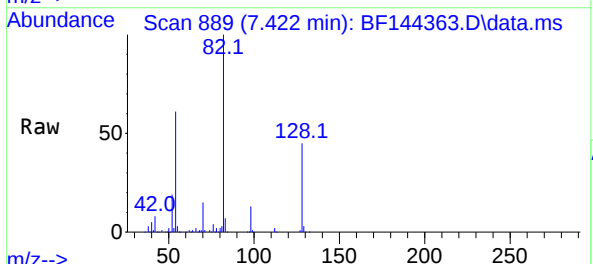
Instrument :
BNA_F
ClientSampleId :
SB-1125-10A

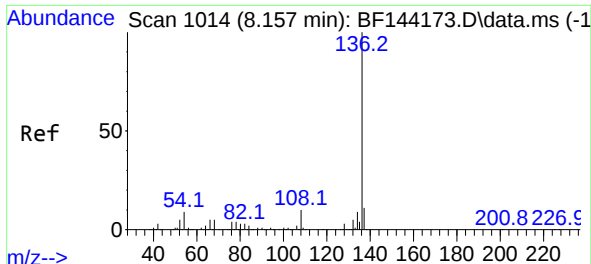
Tgt Ion: 99 Resp: 331956
Ion Ratio Lower Upper
99 100
42 24.1 20.9 31.3
71 35.7 31.4 47.2



#19
n-Nitroso-di-n-propylamine
Concen: 11.550 ng
RT: 7.422 min Scan# 889
Delta R.T. 0.147 min
Lab File: BF144363.D
Acq: 26 Nov 2025 16:11

Tgt Ion: 70 Resp: 30832
Ion Ratio Lower Upper
70 100
42 56.1 58.3 87.5#
101 0.0 7.0 10.6#
130 2.2 14.4 21.6#



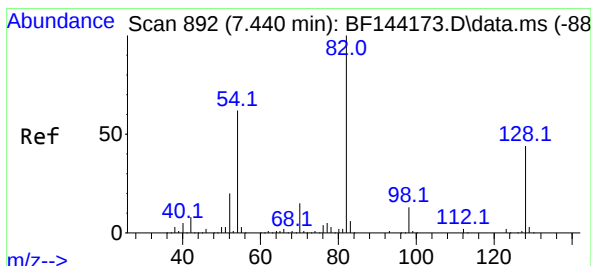
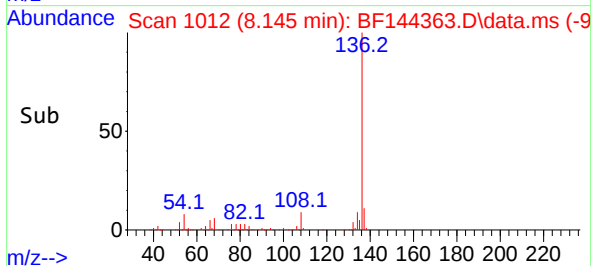
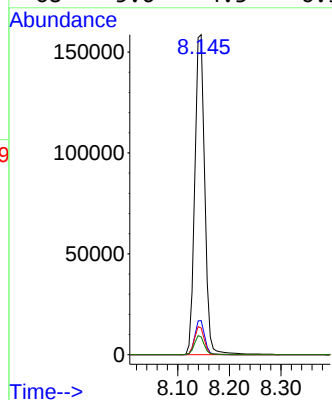
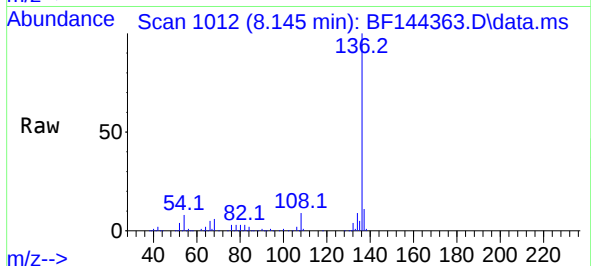


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.145 min Scan# 1014
Delta R.T. -0.012 min
Lab File: BF144363.D
Acq: 26 Nov 2025 16:11

Instrument :
BNA_F
ClientSampleId :
SB-1125-10A

Tgt Ion:136 Resp: 212654

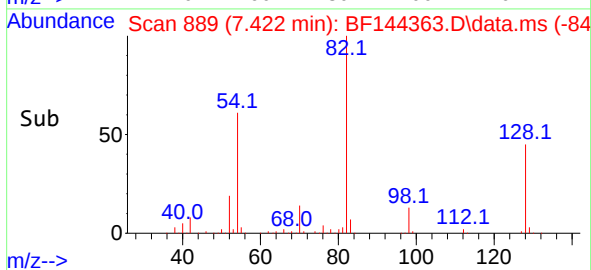
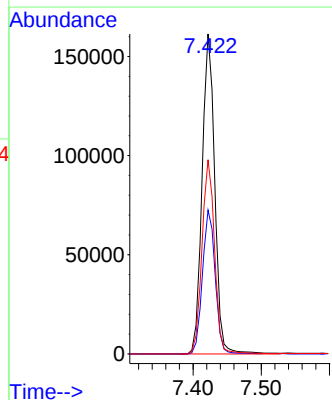
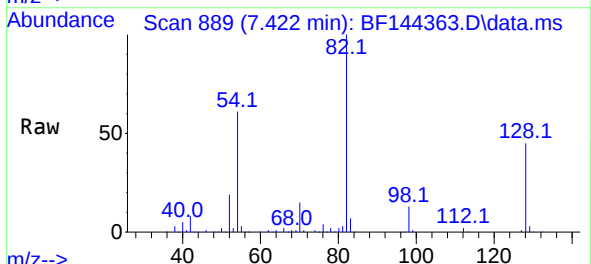
Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.6	13.0
54	8.3	7.0	10.6
68	5.6	4.3	6.5

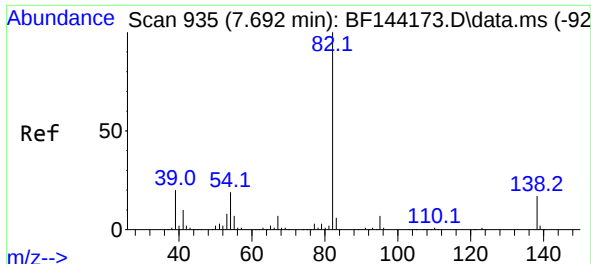


#23
Nitrobenzene-d5
Concen: 56.629 ng
RT: 7.422 min Scan# 889
Delta R.T. -0.012 min
Lab File: BF144363.D
Acq: 26 Nov 2025 16:11

Tgt Ion: 82 Resp: 208508

Ion	Ratio	Lower	Upper
82	100		
128	45.0	34.7	52.1
54	60.7	49.5	74.3

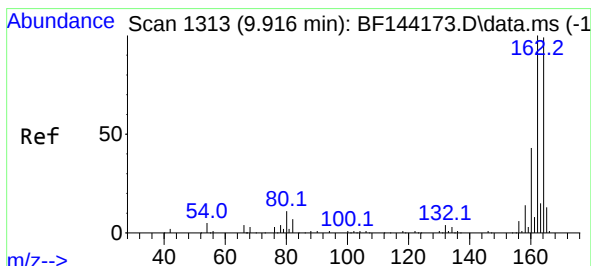
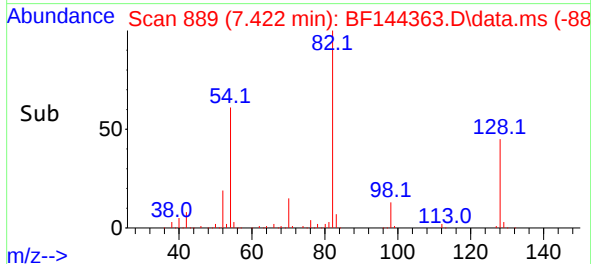
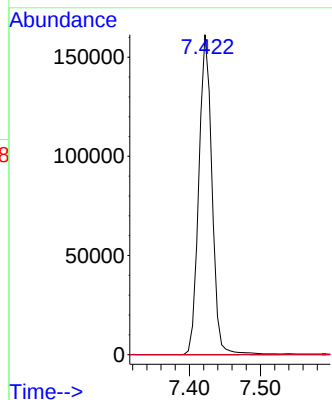
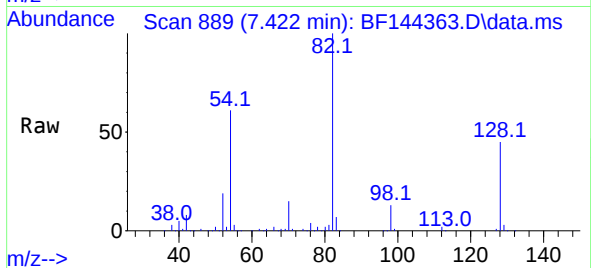




#25
Isophorone
Concen: 29.938 ng
RT: 7.422 min Scan# 81
Delta R.T. -0.265 min
Lab File: BF144363.D
Acq: 26 Nov 2025 16:11

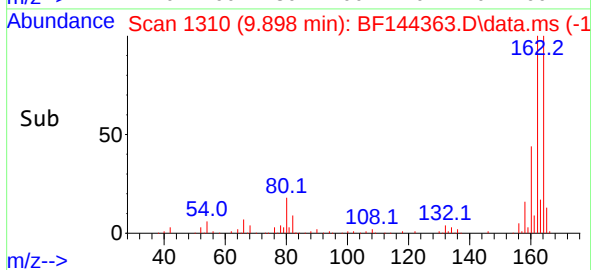
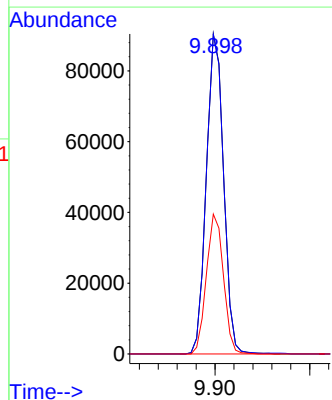
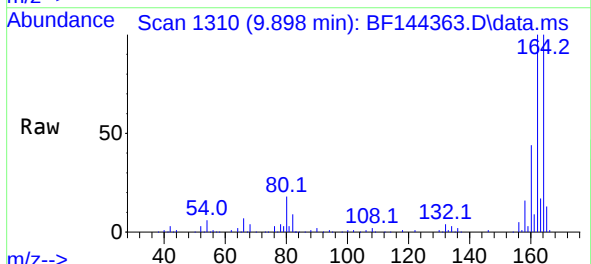
Instrument :
BNA_F
ClientSampleId :
SB-1125-10A

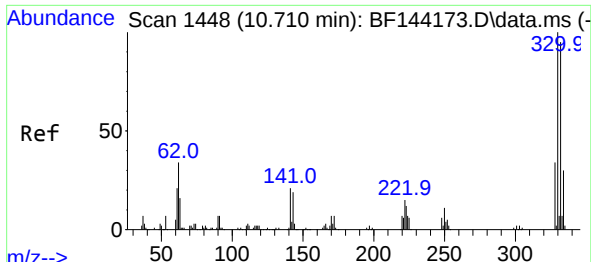
Tgt Ion: 82 Resp: 208506
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 13.7 20.5#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.898 min Scan# 1310
Delta R.T. -0.018 min
Lab File: BF144363.D
Acq: 26 Nov 2025 16:11

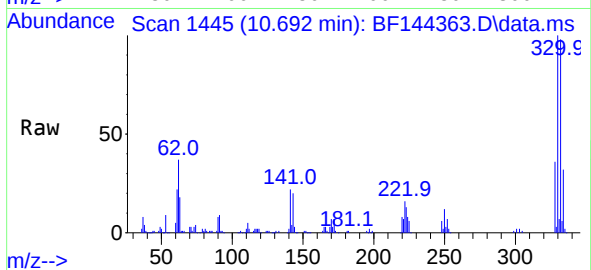
Tgt Ion:164 Resp: 113982
Ion Ratio Lower Upper
164 100
162 99.8 81.1 121.7
160 43.7 34.5 51.7



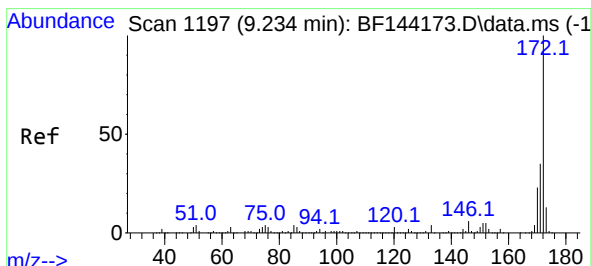
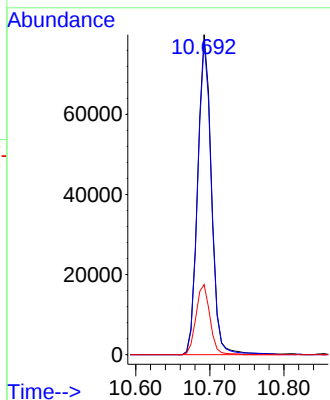
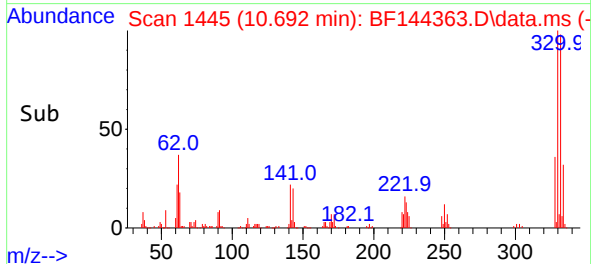


#42
2,4,6-Tribromophenol
Concen: 72.218 ng
RT: 10.692 min Scan# 1445
Delta R.T. -0.012 min
Lab File: BF144363.D
Acq: 26 Nov 2025 16:11

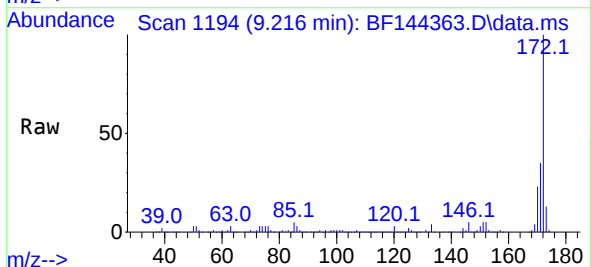
Instrument :
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ClientSampleId :
SB-1125-10A



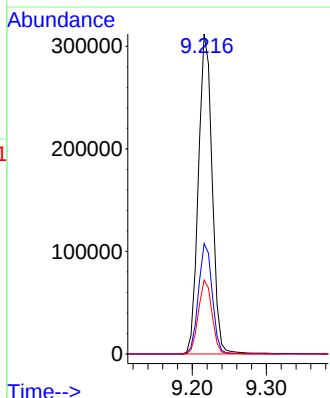
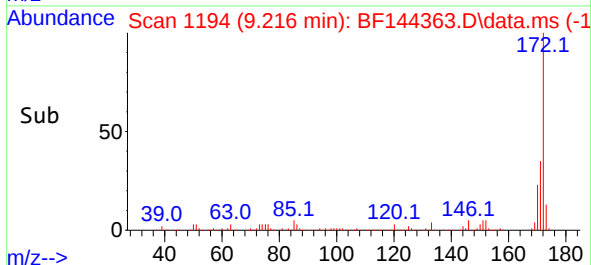
Tgt Ion:330 Resp: 103297
Ion Ratio Lower Upper
330 100
332 96.8 76.7 115.1
141 22.1 17.8 26.8



#45
2-Fluorobiphenyl
Concen: 52.091 ng
RT: 9.216 min Scan# 1194
Delta R.T. -0.012 min
Lab File: BF144363.D
Acq: 26 Nov 2025 16:11



Tgt Ion:172 Resp: 402012
Ion Ratio Lower Upper
172 100
171 34.5 28.1 42.1
170 23.1 18.6 28.0





#51

2,6-Dinitrotoluene

Concen: 9.772 ng

RT: 9.898 min Scan# 11

Delta R.T. 0.206 min

Lab File: BF144363.D

Acq: 26 Nov 2025 16:11

Instrument :

BNA_F

ClientSampleId :

SB-1125-10A

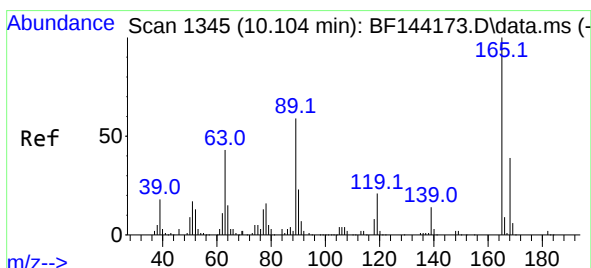
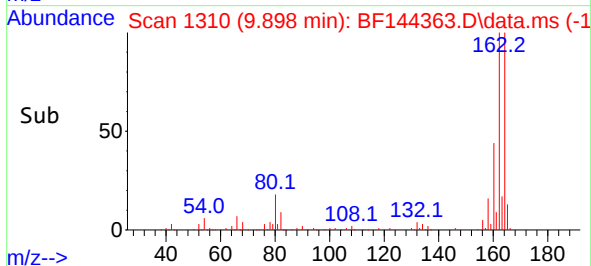
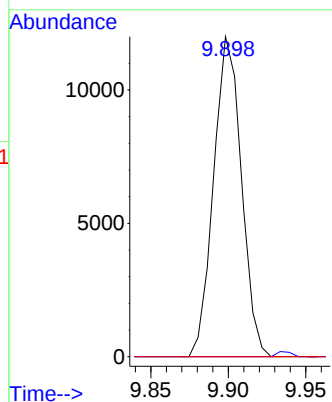
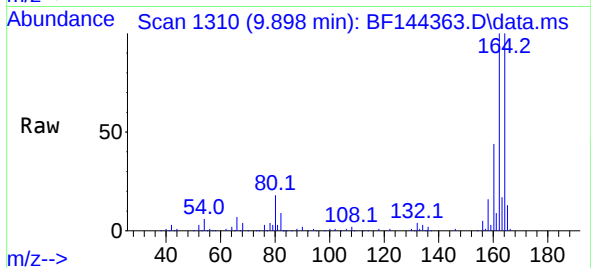
Tgt Ion:165 Resp: 14938

Ion Ratio Lower Upper

165 100

63 0.0 43.8 65.8#

89 0.0 37.5 56.3#



#57

2,4-Dinitrotoluene

Concen: 7.300 ng

RT: 9.898 min Scan# 1310

Delta R.T. -0.200 min

Lab File: BF144363.D

Acq: 26 Nov 2025 16:11

Tgt Ion:165 Resp: 14938

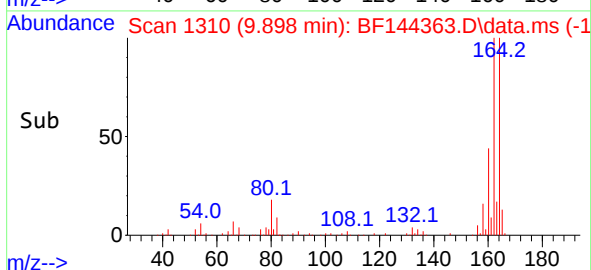
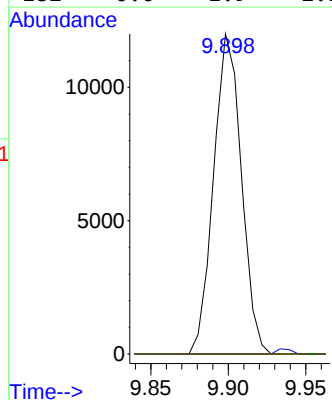
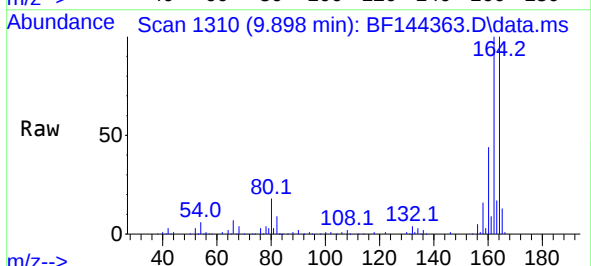
Ion Ratio Lower Upper

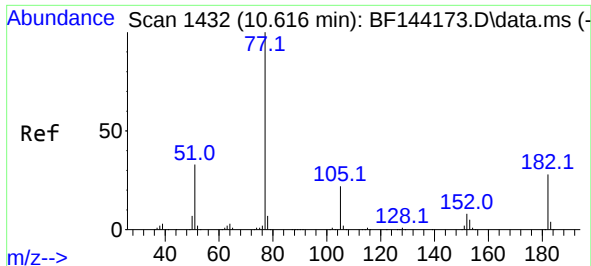
165 100

63 0.0 35.5 53.3#

89 0.0 47.4 71.2#

182 0.0 1.9 2.9#

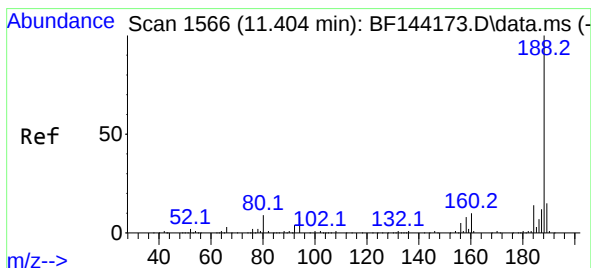
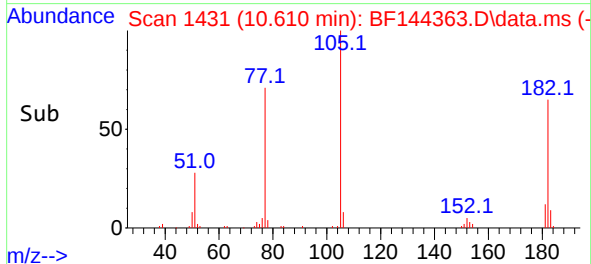
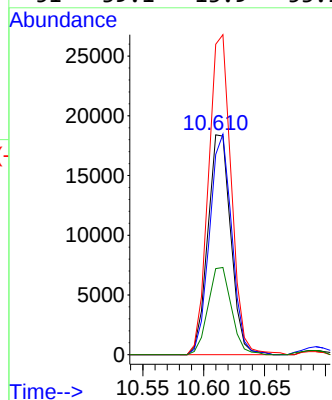
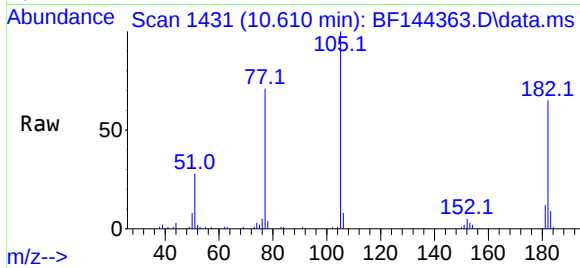




#63
Azobenzene
Concen: 3.724 ng
RT: 10.610 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF144363.D
Acq: 26 Nov 2025 16:11

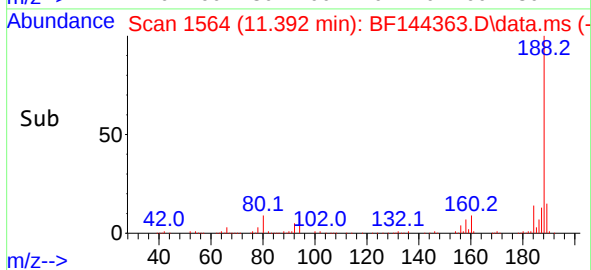
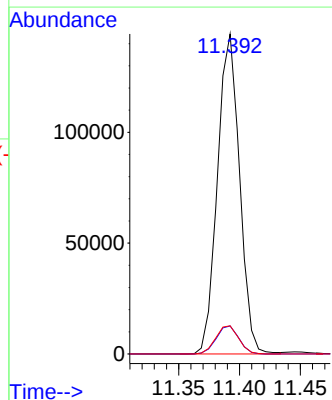
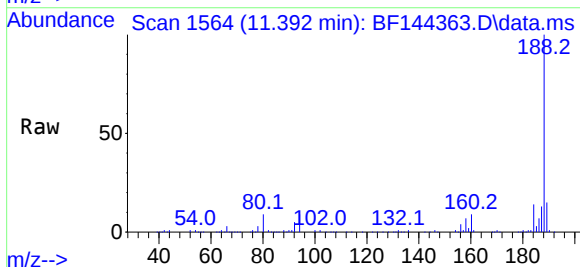
Instrument :
BNA_F
ClientSampleId :
SB-1125-10A

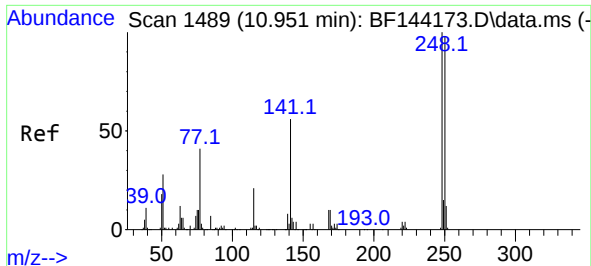
Tgt Ion: 77 Resp: 24123
Ion Ratio Lower Upper
77 100
182 91.0 8.1 48.1#
105 141.2 2.0 42.0#
51 39.1 13.9 53.9



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.392 min Scan# 1564
Delta R.T. -0.012 min
Lab File: BF144363.D
Acq: 26 Nov 2025 16:11

Tgt Ion:188 Resp: 182608
Ion Ratio Lower Upper
188 100
94 8.8 6.2 9.2
80 8.8 6.9 10.3

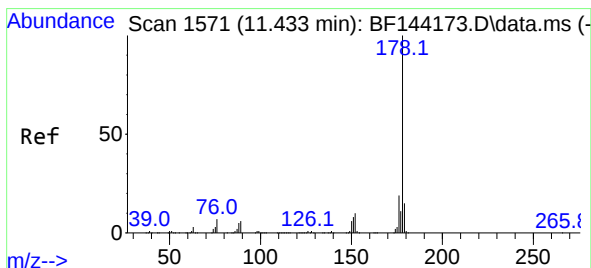
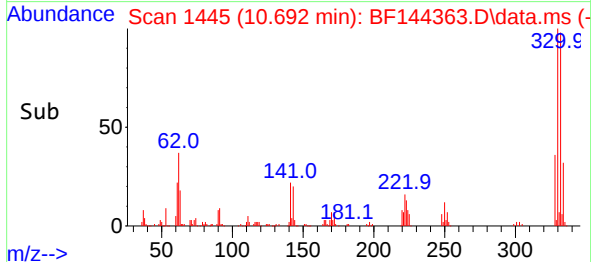
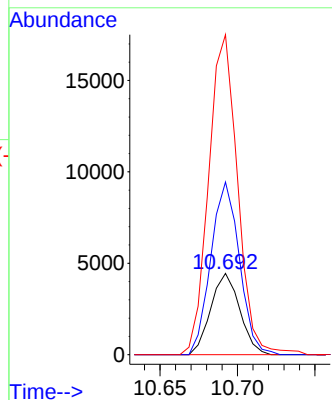
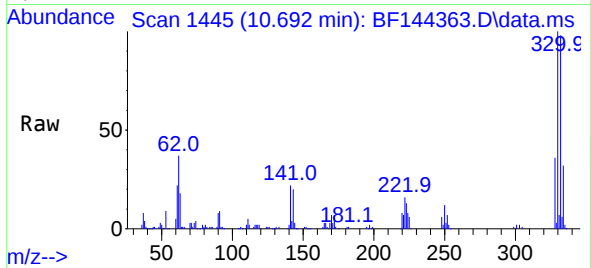




#67
4-Bromophenyl-phenylether
Concen: 2.485 ng
RT: 10.692 min Scan# 1489
Delta R.T. -0.253 min
Lab File: BF144363.D
Acq: 26 Nov 2025 16:11

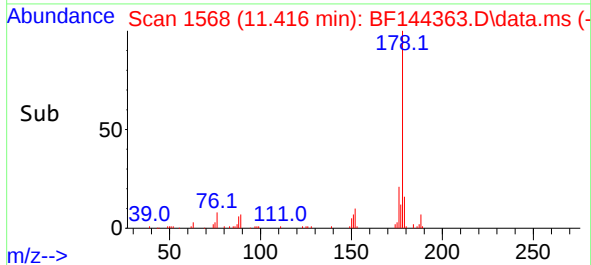
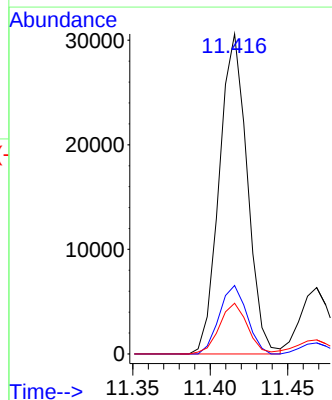
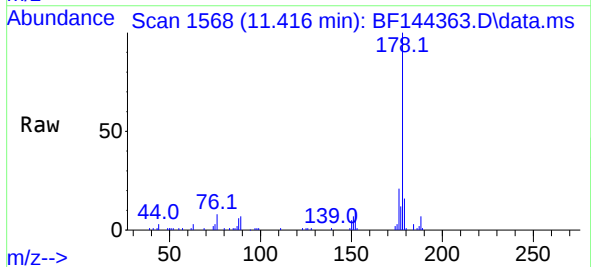
Instrument :
BNA_F
ClientSampleId :
SB-1125-10A

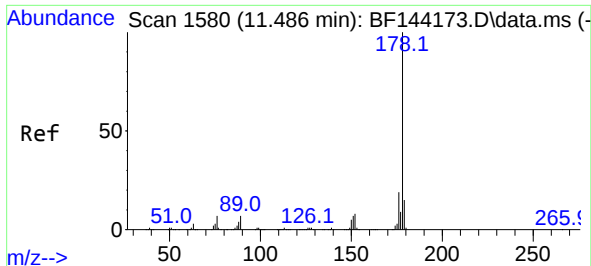
Tgt Ion:248 Resp: 5793
Ion Ratio Lower Upper
248 100
250 212.4 78.4 117.6#
141 393.8 45.1 67.7#



#71
Phenanthrene
Concen: 4.221 ng
RT: 11.416 min Scan# 1568
Delta R.T. -0.012 min
Lab File: BF144363.D
Acq: 26 Nov 2025 16:11

Tgt Ion:178 Resp: 38380
Ion Ratio Lower Upper
178 100
176 21.4 15.5 23.3
179 15.8 12.2 18.4

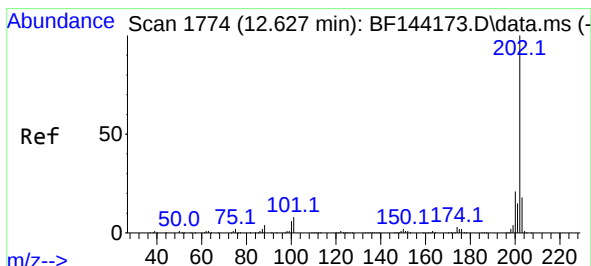
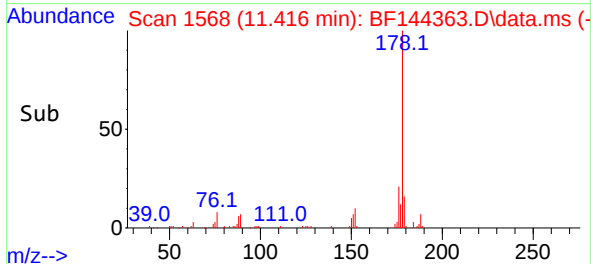
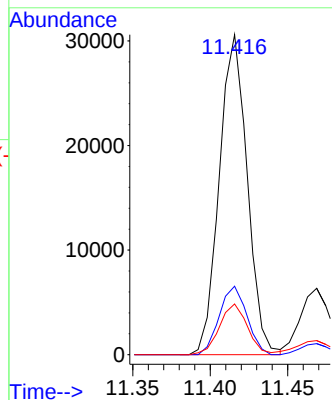
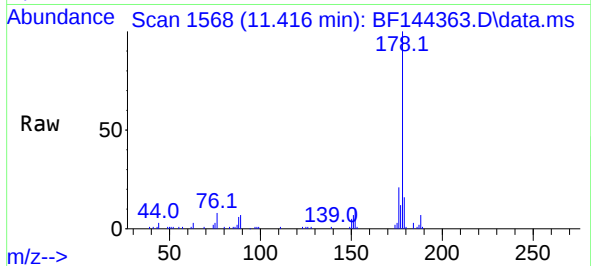




#72
Anthracene
Concen: 4.152 ng
RT: 11.416 min Scan# 11
Delta R.T. -0.065 min
Lab File: BF144363.D
Acq: 26 Nov 2025 16:11

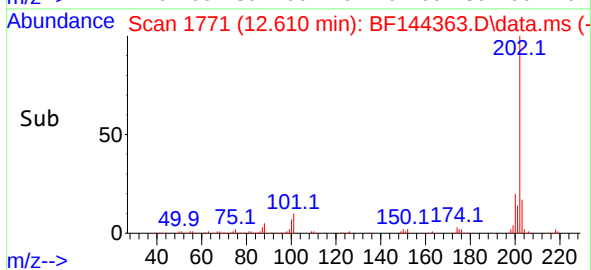
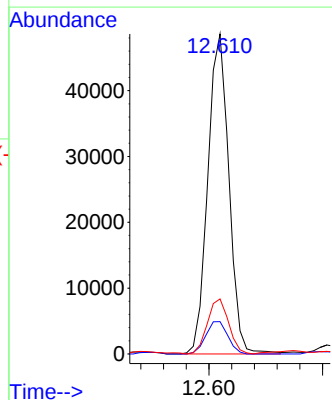
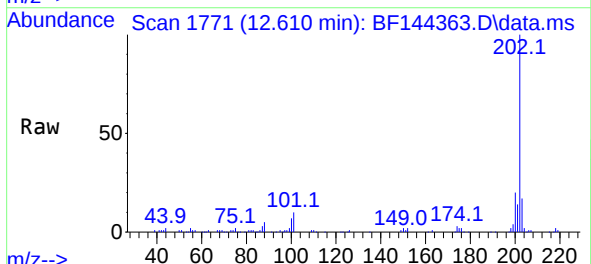
Instrument :
BNA_F
ClientSampleId :
SB-1125-10A

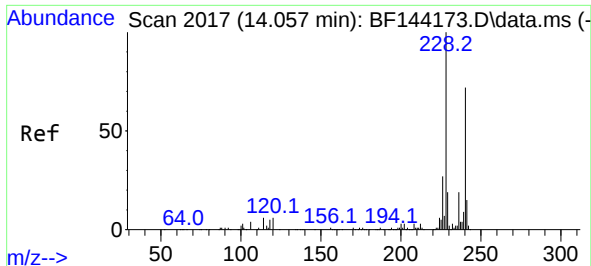
Tgt Ion:178 Resp: 38380
Ion Ratio Lower Upper
178 100
176 21.4 15.3 22.9
179 15.8 12.0 18.0



#75
Fluoranthene
Concen: 6.674 ng
RT: 12.610 min Scan# 1771
Delta R.T. -0.012 min
Lab File: BF144363.D
Acq: 26 Nov 2025 16:11

Tgt Ion:202 Resp: 62680
Ion Ratio Lower Upper
202 100
101 10.1 0.0 27.9
203 17.2 0.0 37.5

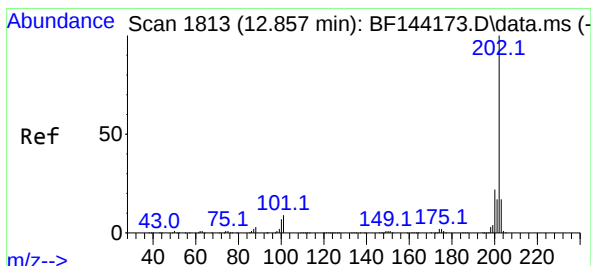
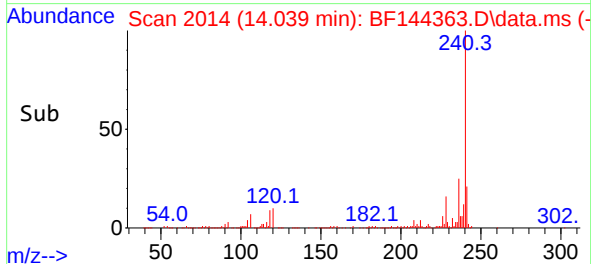
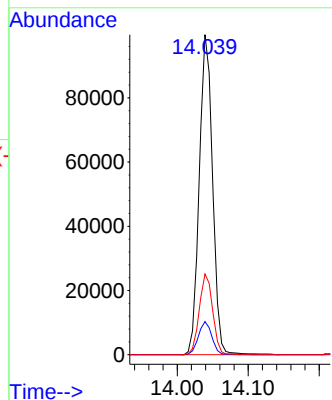
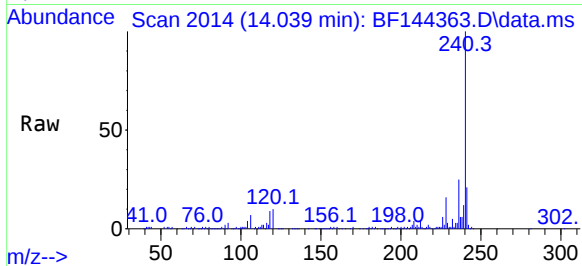




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.039 min Scan# 20
Delta R.T. -0.012 min
Lab File: BF144363.D
Acq: 26 Nov 2025 16:11

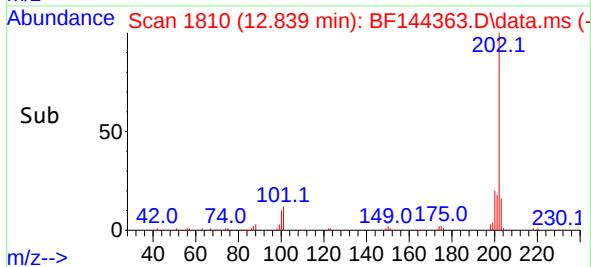
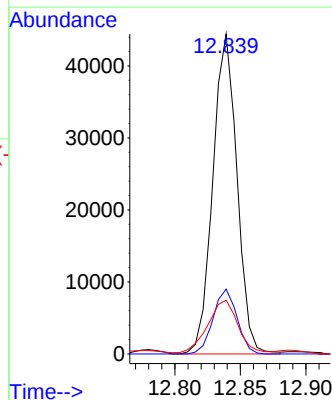
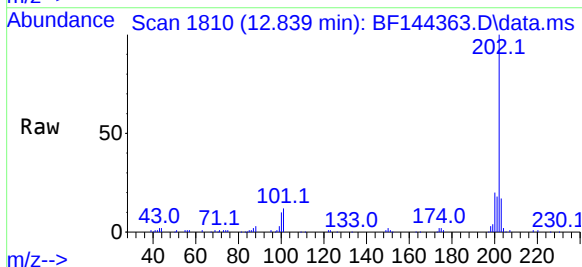
Instrument :
BNA_F
ClientSampleId :
SB-1125-10A

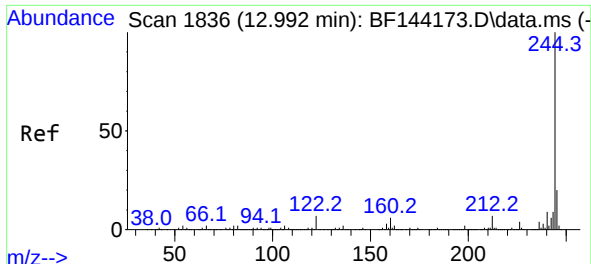
Tgt Ion:240 Resp: 130422
Ion Ratio Lower Upper
240 100
120 10.4 6.6 10.0#
236 25.2 21.4 32.2



#78
Pyrene
Concen: 5.415 ng
RT: 12.839 min Scan# 1810
Delta R.T. -0.012 min
Lab File: BF144363.D
Acq: 26 Nov 2025 16:11

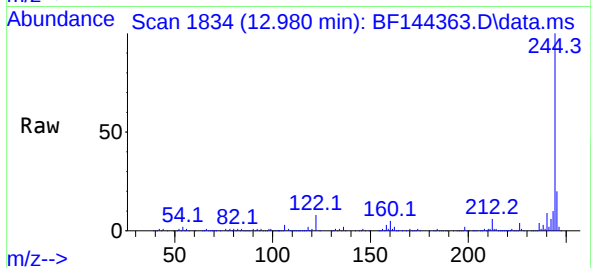
Tgt Ion:202 Resp: 56946
Ion Ratio Lower Upper
202 100
200 20.2 17.2 25.8
203 16.8 13.7 20.5



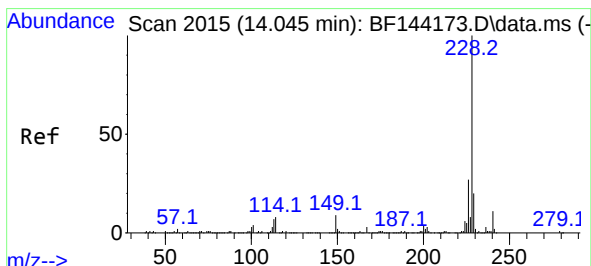
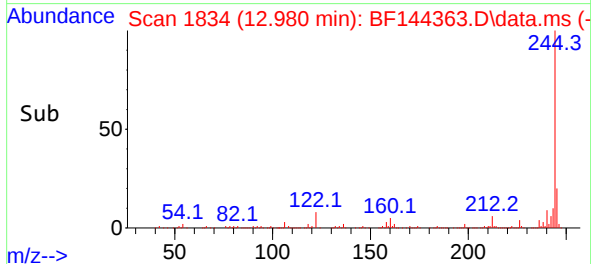
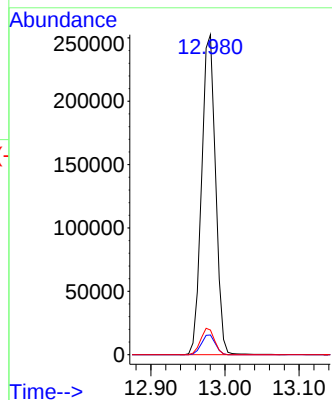


#79
 Terphenyl-d14
 Concen: 40.211 ng
 RT: 12.980 min Scan# 11
 Delta R.T. -0.012 min
 Lab File: BF144363.D
 Acq: 26 Nov 2025 16:11

Instrument :
 BNA_F
 ClientSampleId :
 SB-1125-10A

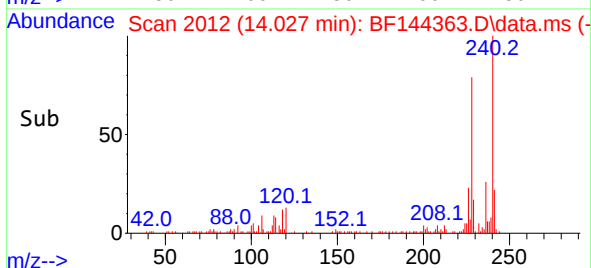
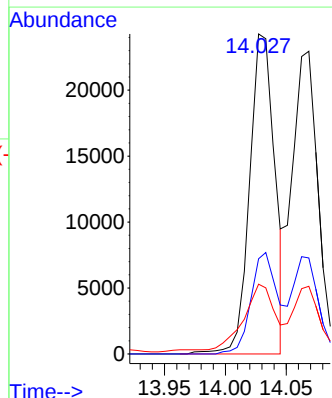
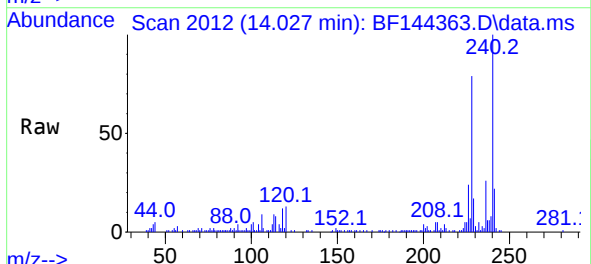


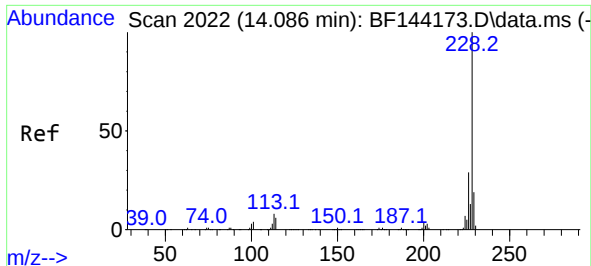
Tgt Ion:244 Resp: 330168
 Ion Ratio Lower Upper
 244 100
 212 6.2 5.3 7.9
 122 7.7 5.6 8.4



#81
 Benzo(a)anthracene
 Concen: 3.858 ng
 RT: 14.027 min Scan# 2012
 Delta R.T. -0.018 min
 Lab File: BF144363.D
 Acq: 26 Nov 2025 16:11

Tgt Ion:228 Resp: 34873
 Ion Ratio Lower Upper
 228 100
 226 29.7 21.8 32.8
 229 21.8 15.8 23.6



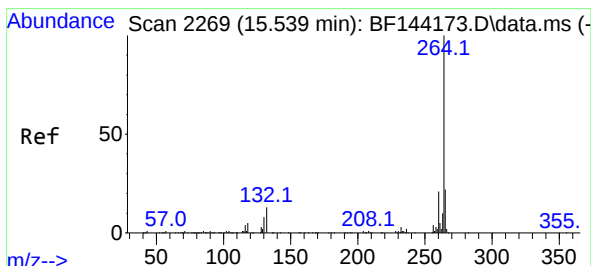
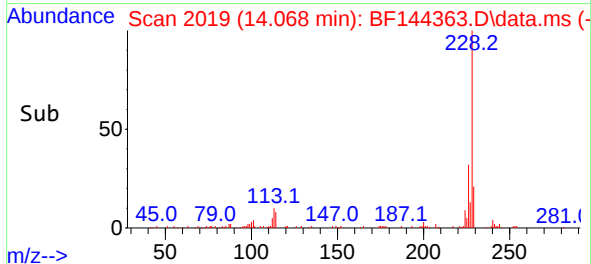
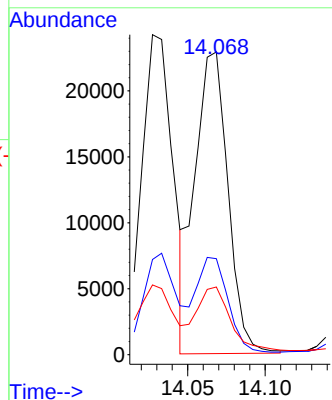
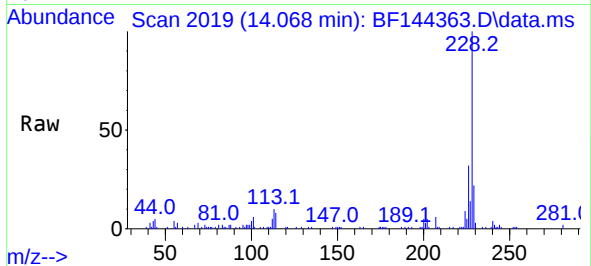


#83
Chrysene
Concen: 4.047 ng
RT: 14.068 min Scan# 20
Delta R.T. -0.012 min
Lab File: BF144363.D
Acq: 26 Nov 2025 16:11

Instrument :
BNA_F
ClientSampleId :
SB-1125-10A

Tgt Ion:228 Resp: 33772

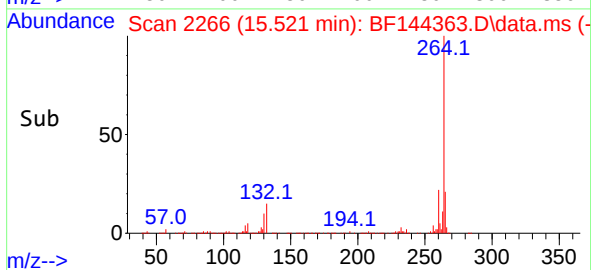
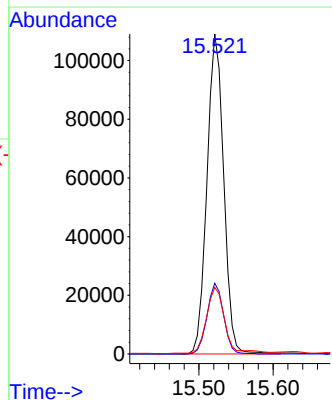
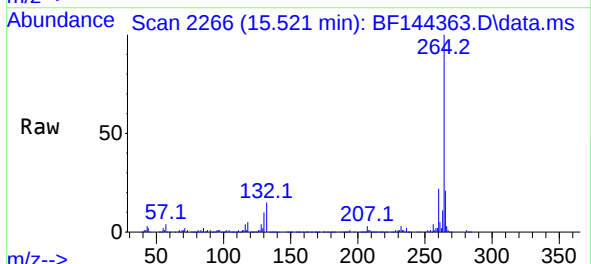
Ion	Ratio	Lower	Upper
228	100		
226	31.7	22.9	34.3
229	22.4	15.0	22.6

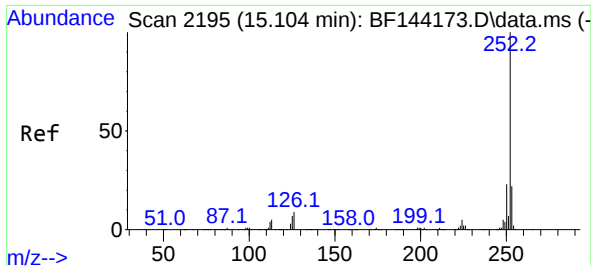


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.521 min Scan# 2266
Delta R.T. -0.018 min
Lab File: BF144363.D
Acq: 26 Nov 2025 16:11

Tgt Ion:264 Resp: 170948

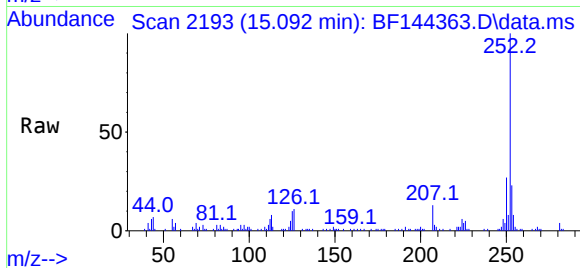
Ion	Ratio	Lower	Upper
264	100		
260	22.1	17.1	25.7
265	20.8	17.4	26.0



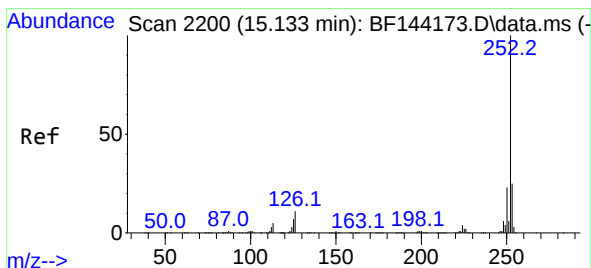
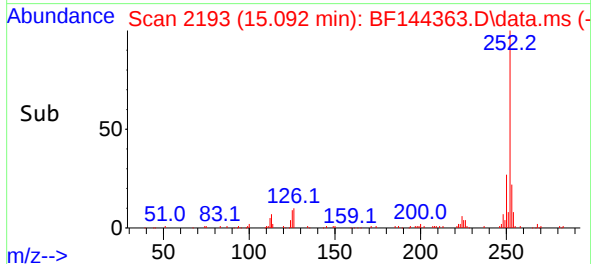
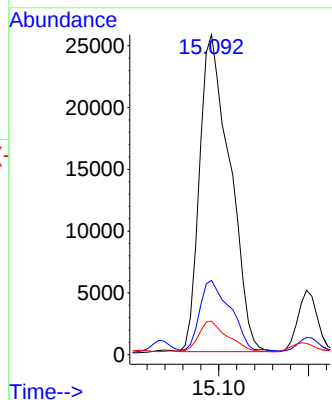


#88
Benzo(b)fluoranthene
Concen: 6.187 ng
RT: 15.092 min Scan# 2193
Delta R.T. -0.006 min
Lab File: BF144363.D
Acq: 26 Nov 2025 16:11

Instrument :
BNA_F
ClientSampleId :
SB-1125-10A

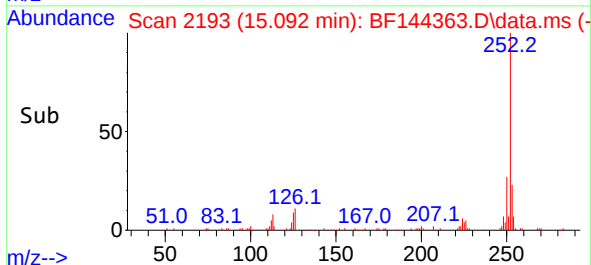
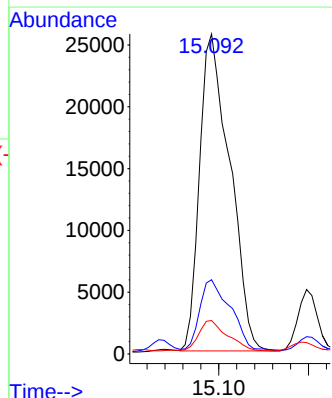
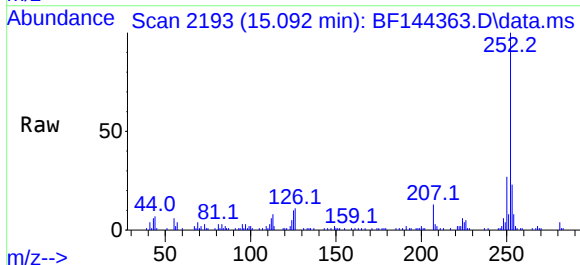


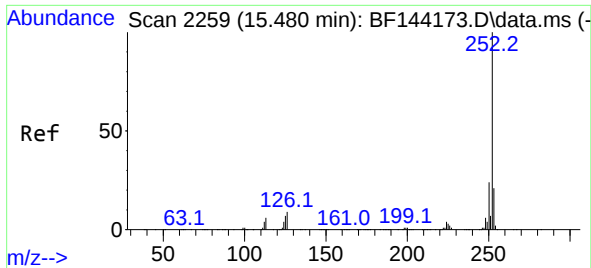
Tgt Ion:252 Resp: 60127
Ion Ratio Lower Upper
252 100
253 23.2 17.4 26.2
125 10.4 5.3 7.9#



#89
Benzo(k)fluoranthene
Concen: 6.610 ng
RT: 15.092 min Scan# 2193
Delta R.T. -0.035 min
Lab File: BF144363.D
Acq: 26 Nov 2025 16:11

Tgt Ion:252 Resp: 60127
Ion Ratio Lower Upper
252 100
253 23.2 18.0 27.0
125 10.4 5.4 8.2#





#90

Benzo(a)pyrene

Concen: 3.803 ng

RT: 15.457 min Scan# 21

Delta R.T. -0.018 min

Lab File: BF144363.D

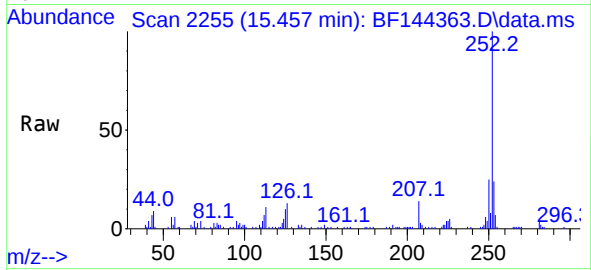
Acq: 26 Nov 2025 16:11

Instrument :

BNA_F

ClientSampleId :

SB-1125-10A



Tgt Ion:252 Resp: 34099

Ion Ratio Lower Upper

252 100

253 23.6 16.7 25.1

125 10.3 5.7 8.5#

