

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112625\
 Data File : BF144370.D
 Acq On : 26 Nov 2025 19:43
 Operator : RC/JU
 Sample : Q3719-08
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-1125-14B

Quant Time: Nov 27 00:51:44 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)

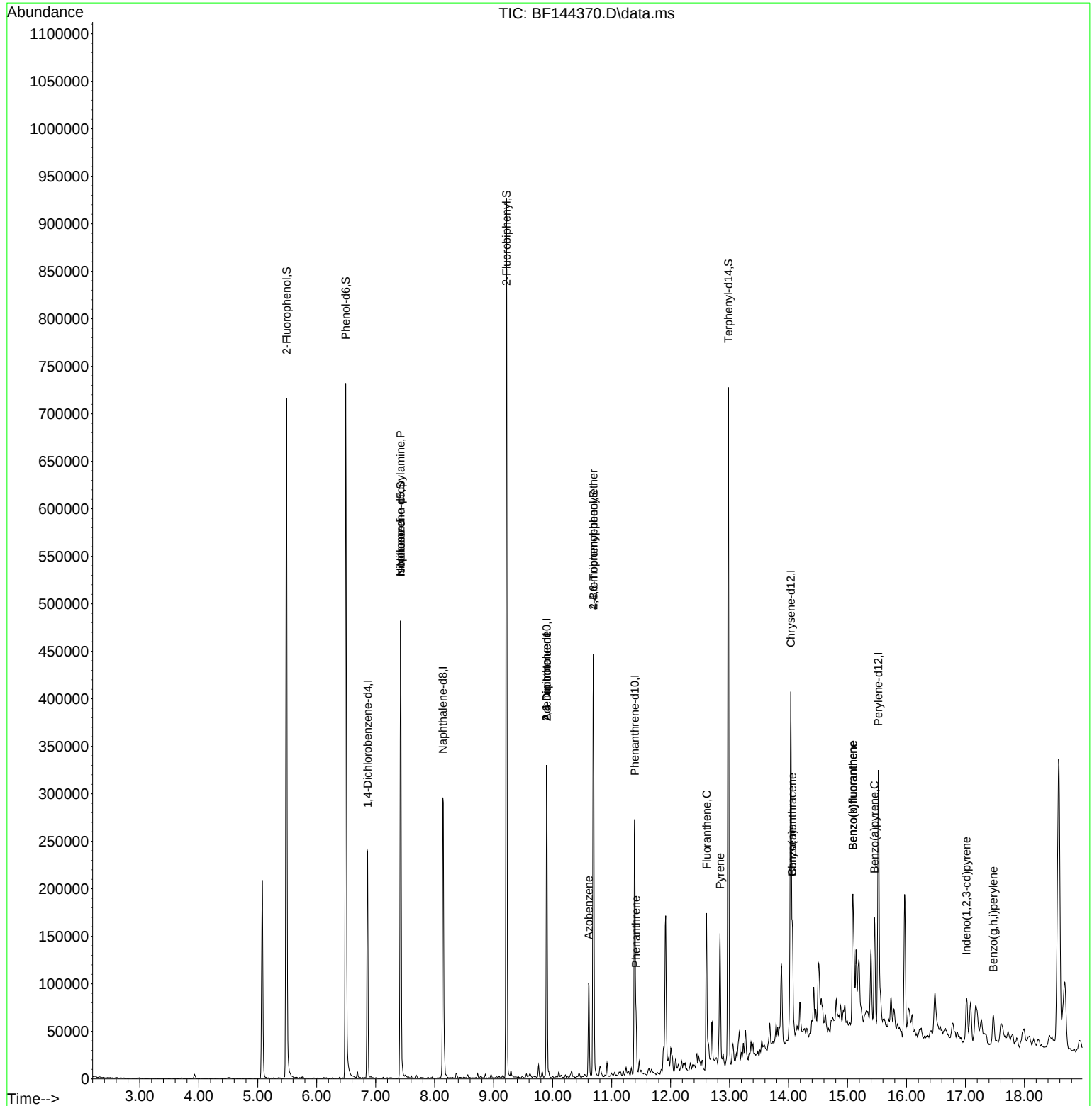
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.863	152	55532	20.000	ng	-0.01
21) Naphthalene-d8	8.139	136	197185	20.000	ng	-0.02
39) Acenaphthene-d10	9.898	164	101598	20.000	ng	-0.02
64) Phenanthrene-d10	11.392	188	149191	20.000	ng	-0.01
76) Chrysene-d12	14.039	240	136224	20.000	ng	-0.01
86) Perylene-d12	15.521	264	168122	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	293859	82.808	ng	0.00
7) Phenol-d6	6.493	99	337512	83.939	ng	0.00
23) Nitrobenzene-d5	7.422	82	201180	58.925	ng	-0.01
42) 2,4,6-Tribromophenol	10.692	330	90150	70.709	ng	-0.01
45) 2-Fluorobiphenyl	9.216	172	437698	63.628	ng	-0.01
79) Terphenyl-d14	12.980	244	384397	44.822	ng	-0.01
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.422	70	29656	11.204	ng	# 76
25) Isophorone	7.422	82	201180	31.152	ng	# 66
51) 2,6-Dinitrotoluene	9.898	165	13227	9.708	ng	# 27
57) 2,4-Dinitrotoluene	9.898	165	13227	7.252	ng	# 27
63) Azobenzene	10.610	77	25015	4.332	ng	# 1
67) 4-Bromophenyl-phenylether	10.692	248	5392	2.832	ng	# 1
71) Phenanthrene	11.416	178	36451	4.907	ng	98
75) Fluoranthene	12.610	202	85666	11.164	ng	98
78) Pyrene	12.839	202	81247	7.397	ng	99
81) Benzo(a)anthracene	14.063	228	67446	7.144	ng	93
83) Chrysene	14.063	228	67446	7.739	ng	94
87) Indeno(1,2,3-cd)pyrene	17.015	276	30089	2.493	ng	# 95
88) Benzo(b)fluoranthene	15.092	252	125778	13.159	ng	# 97
89) Benzo(k)fluoranthene	15.092	252	125778	14.059	ng	# 98
90) Benzo(a)pyrene	15.457	252	68923	7.816	ng	# 95
92) Benzo(g,h,i)perylene	17.474	276	28769	3.006	ng	# 92

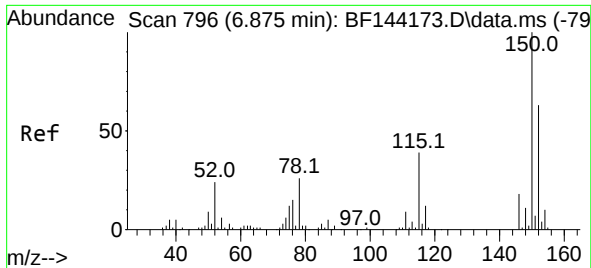
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112625\
Data File : BF144370.D
Acq On : 26 Nov 2025 19:43
Operator : RC/JU
Sample : Q3719-08
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-1125-14B

Quant Time: Nov 27 00:51:44 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

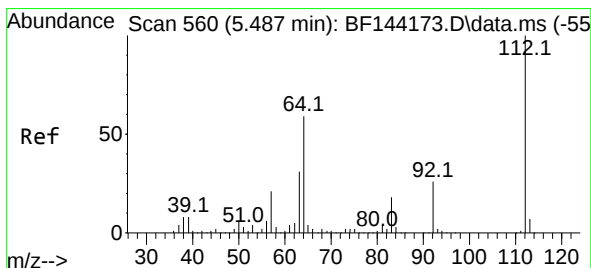
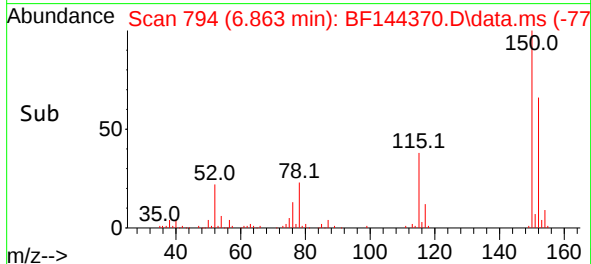
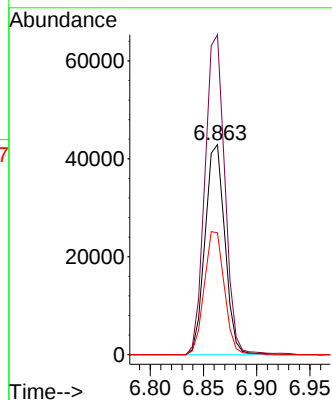
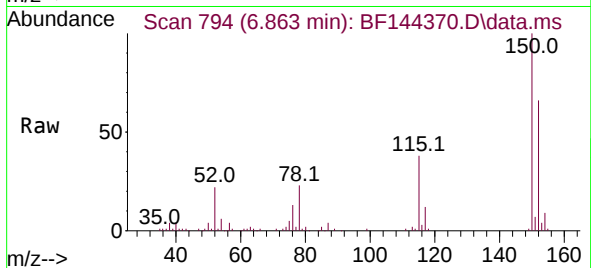




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.863 min Scan# 796
 Delta R.T. -0.012 min
 Lab File: BF144370.D
 Acq: 26 Nov 2025 19:43

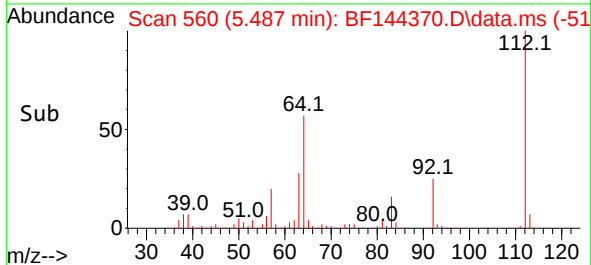
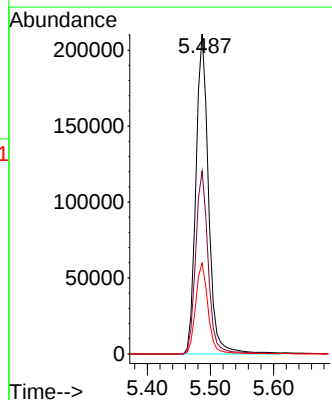
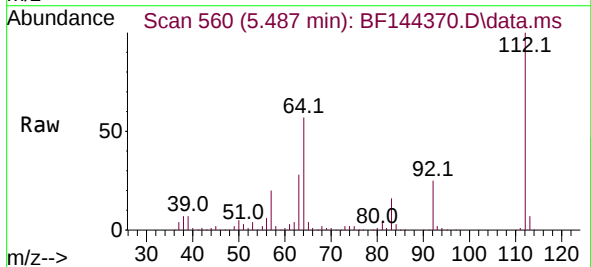
Instrument :
 BNA_F
 ClientSampleId :
 SB-1125-14B

Tgt Ion:152 Resp: 55532
 Ion Ratio Lower Upper
 152 100
 150 152.4 127.4 191.0
 115 58.0 49.5 74.3



#5
 2-Fluorophenol
 Concen: 82.808 ng
 RT: 5.487 min Scan# 560
 Delta R.T. -0.006 min
 Lab File: BF144370.D
 Acq: 26 Nov 2025 19:43

Tgt Ion:112 Resp: 293859
 Ion Ratio Lower Upper
 112 100
 64 57.1 47.2 70.8
 63 28.4 24.4 36.6

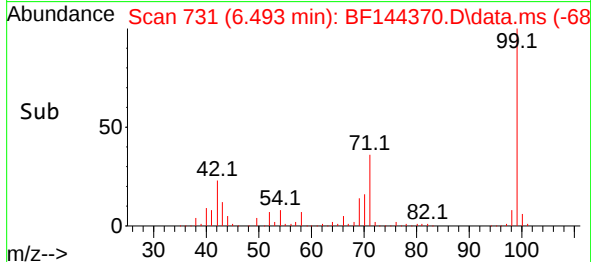
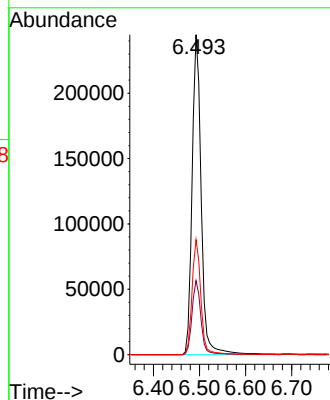
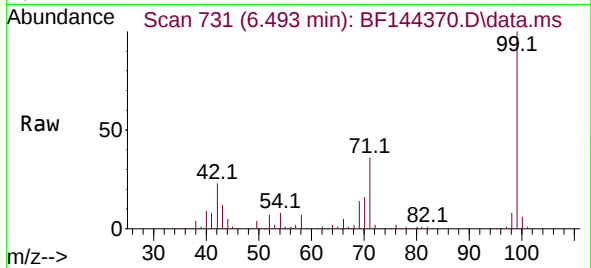




#7
Phenol-d6
Concen: 83.939 ng
RT: 6.493 min Scan# 731
Delta R.T. -0.006 min
Lab File: BF144370.D
Acq: 26 Nov 2025 19:43

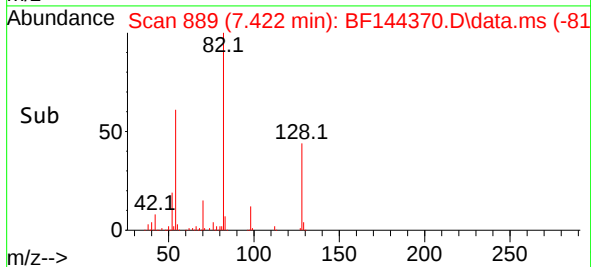
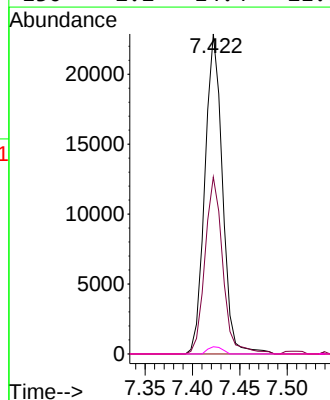
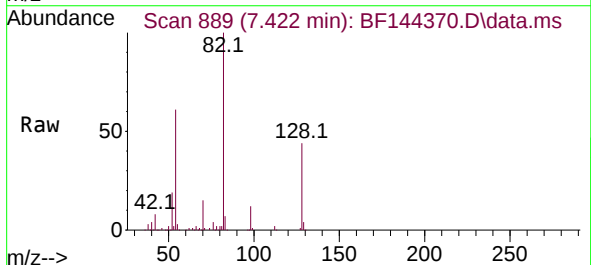
Instrument :
BNA_F
ClientSampleId :
SB-1125-14B

Tgt Ion: 99 Resp: 337512
Ion Ratio Lower Upper
99 100
42 23.1 20.9 31.3
71 35.9 31.4 47.2



#19
n-Nitroso-di-n-propylamine
Concen: 11.204 ng
RT: 7.422 min Scan# 889
Delta R.T. 0.147 min
Lab File: BF144370.D
Acq: 26 Nov 2025 19:43

Tgt Ion: 70 Resp: 29656
Ion Ratio Lower Upper
70 100
42 55.3 58.3 87.5#
101 0.0 7.0 10.6#
130 2.2 14.4 21.6#



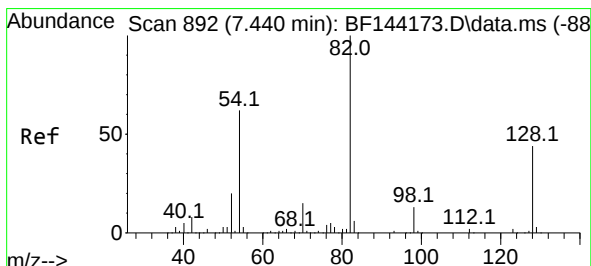
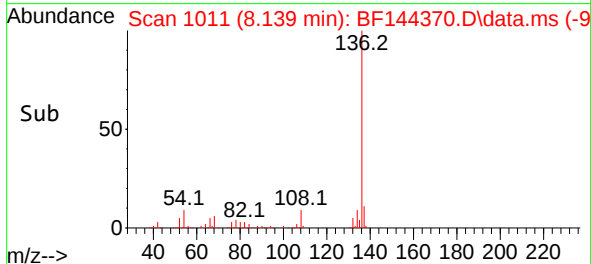
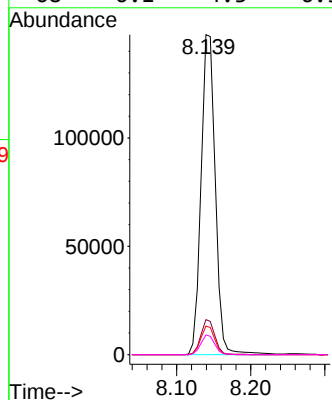
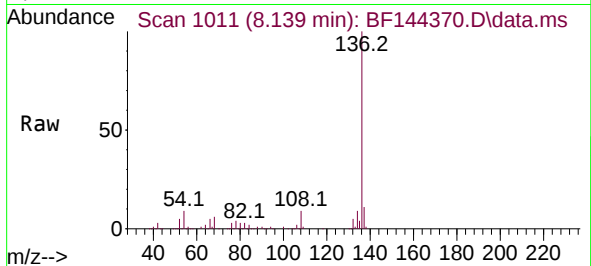


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.139 min Scan# 1011
Delta R.T. -0.018 min
Lab File: BF144370.D
Acq: 26 Nov 2025 19:43

Instrument :
BNA_F
ClientSampleId :
SB-1125-14B

Tgt Ion:136 Resp: 197185

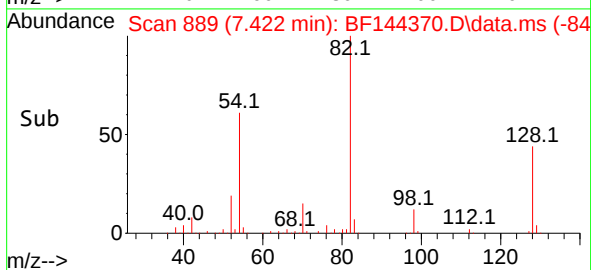
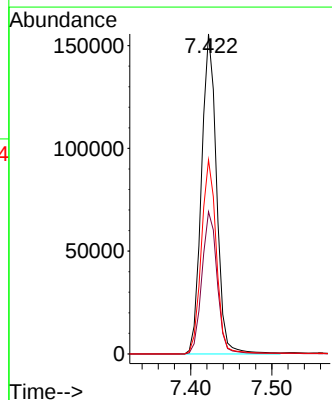
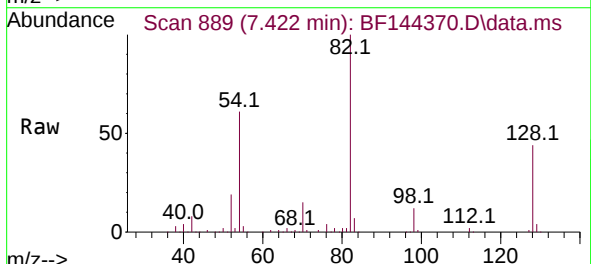
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.6	13.0
54	8.9	7.0	10.6
68	6.1	4.3	6.5

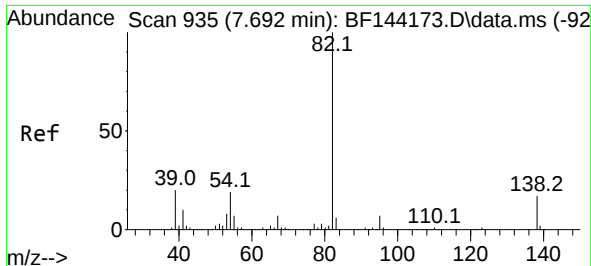


#23
Nitrobenzene-d5
Concen: 58.925 ng
RT: 7.422 min Scan# 889
Delta R.T. -0.012 min
Lab File: BF144370.D
Acq: 26 Nov 2025 19:43

Tgt Ion: 82 Resp: 201180

Ion	Ratio	Lower	Upper
82	100		
128	44.4	34.7	52.1
54	60.6	49.5	74.3

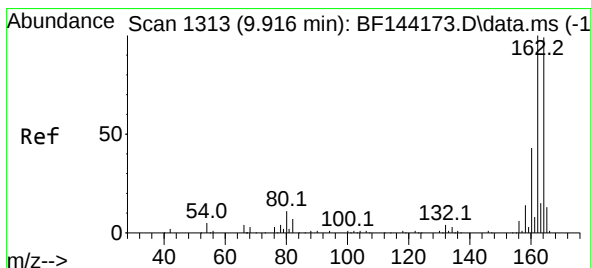
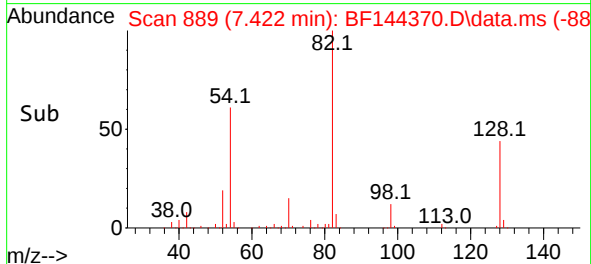
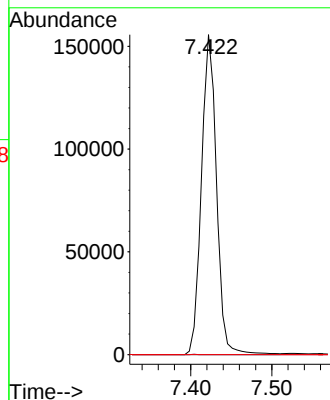
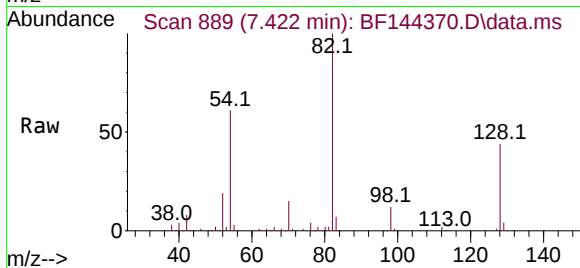




#25
Isophorone
Concen: 31.152 ng
RT: 7.422 min Scan# 88
Delta R.T. -0.265 min
Lab File: BF144370.D
Acq: 26 Nov 2025 19:43

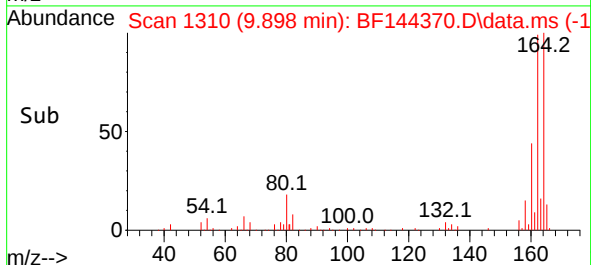
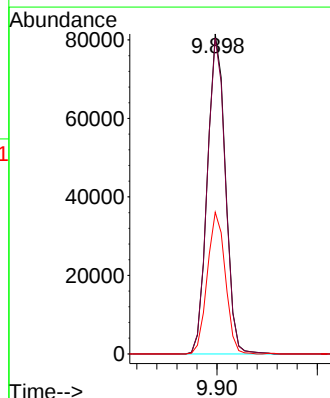
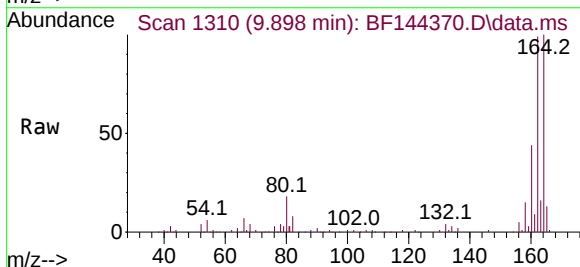
Instrument :
BNA_F
ClientSampleId :
SB-1125-14B

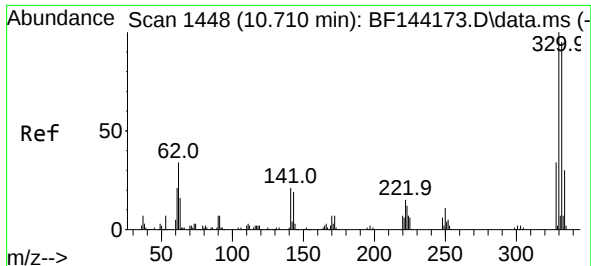
Tgt Ion: 82 Resp: 201180
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 13.7 20.5#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.898 min Scan# 1310
Delta R.T. -0.018 min
Lab File: BF144370.D
Acq: 26 Nov 2025 19:43

Tgt Ion:164 Resp: 101598
Ion Ratio Lower Upper
164 100
162 98.7 81.1 121.7
160 44.3 34.5 51.7

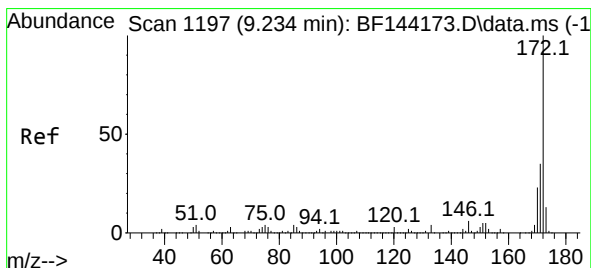
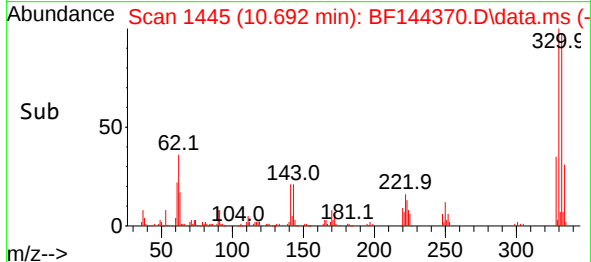
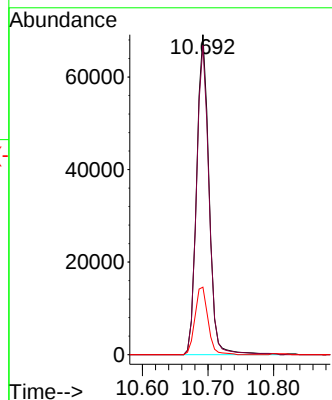
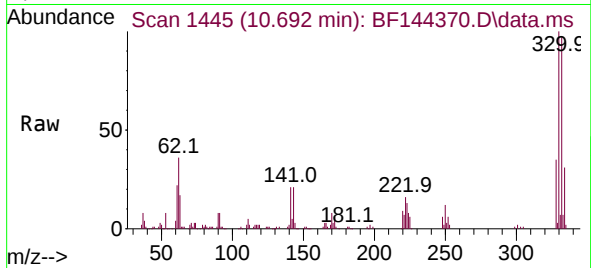




#42
2,4,6-Tribromophenol
Concen: 70.709 ng
RT: 10.692 min Scan# 1445
Delta R.T. -0.012 min
Lab File: BF144370.D
Acq: 26 Nov 2025 19:43

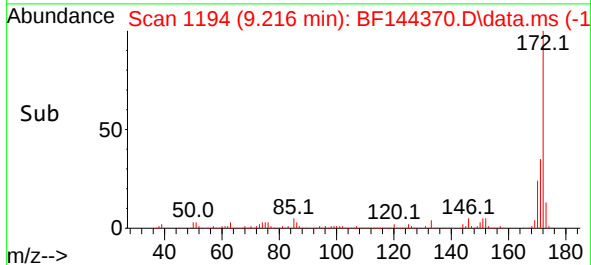
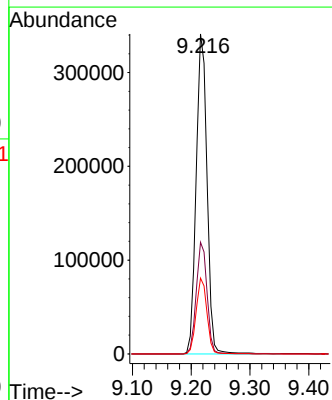
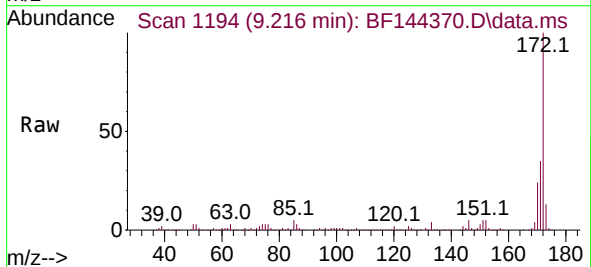
Instrument :
BNA_F
ClientSampleId :
SB-1125-14B

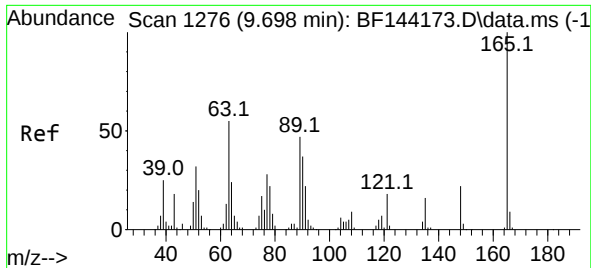
Tgt Ion:330 Resp: 90150
Ion Ratio Lower Upper
330 100
332 97.0 76.7 115.1
141 22.2 17.8 26.8



#45
2-Fluorobiphenyl
Concen: 63.628 ng
RT: 9.216 min Scan# 1194
Delta R.T. -0.012 min
Lab File: BF144370.D
Acq: 26 Nov 2025 19:43

Tgt Ion:172 Resp: 437698
Ion Ratio Lower Upper
172 100
171 34.9 28.1 42.1
170 23.7 18.6 28.0

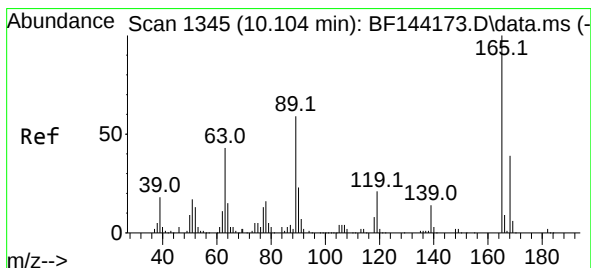
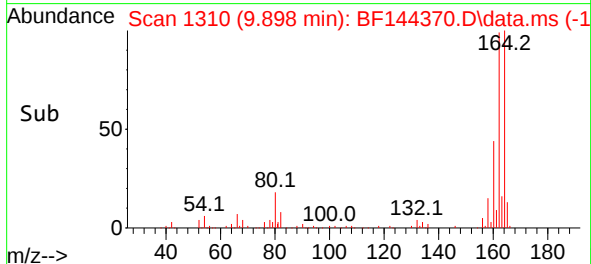
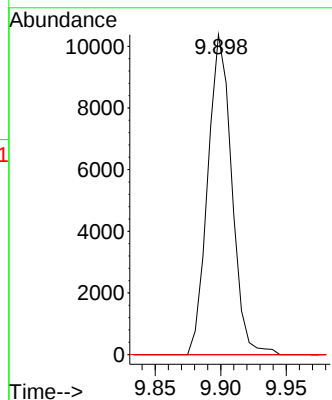
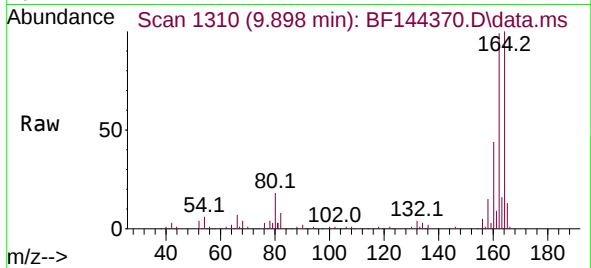




#51
2,6-Dinitrotoluene
Concen: 9.708 ng
RT: 9.898 min Scan# 1310
Delta R.T. 0.206 min
Lab File: BF144370.D
Acq: 26 Nov 2025 19:43

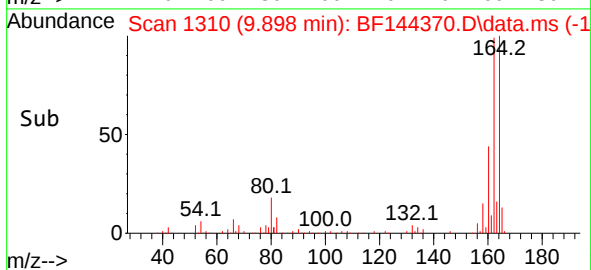
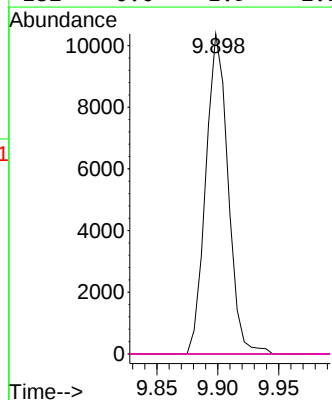
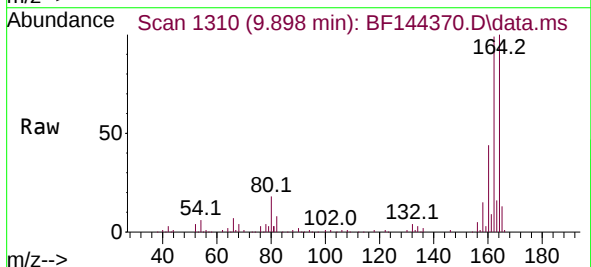
Instrument :
BNA_F
ClientSampleId :
SB-1125-14B

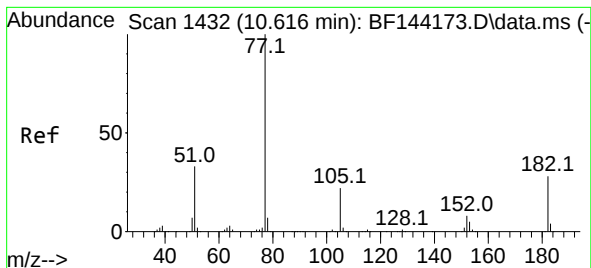
Tgt Ion:165 Resp: 13227
Ion Ratio Lower Upper
165 100
63 0.0 43.8 65.8#
89 0.0 37.5 56.3#



#57
2,4-Dinitrotoluene
Concen: 7.252 ng
RT: 9.898 min Scan# 1310
Delta R.T. -0.200 min
Lab File: BF144370.D
Acq: 26 Nov 2025 19:43

Tgt Ion:165 Resp: 13227
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: 4.332 ng

RT: 10.610 min Scan# 14

Delta R.T. -0.006 min

Lab File: BF144370.D

Acq: 26 Nov 2025 19:43

Instrument :

BNA_F

ClientSampleId :

SB-1125-14B

Tgt Ion: 77 Resp: 25015

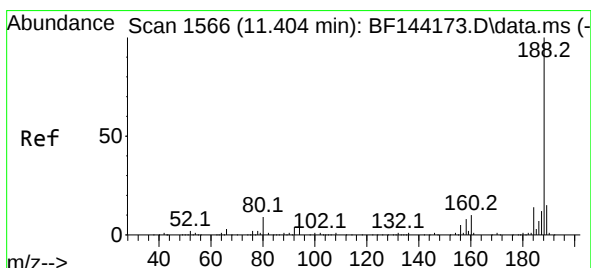
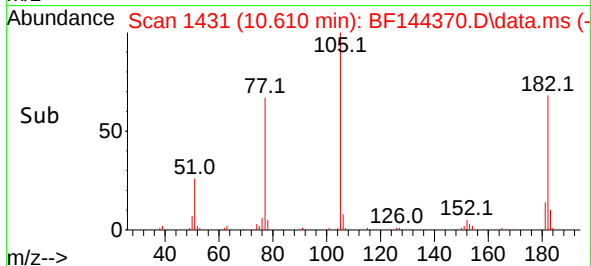
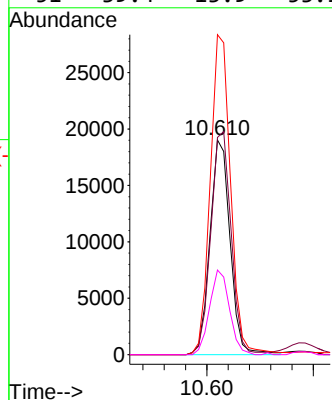
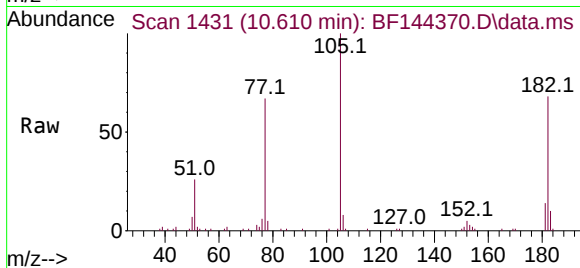
Ion Ratio Lower Upper

77 100

182 101.2 8.1 48.1#

105 149.0 2.0 42.0#

51 39.4 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: BF144370.D

Acq: 26 Nov 2025 19:43

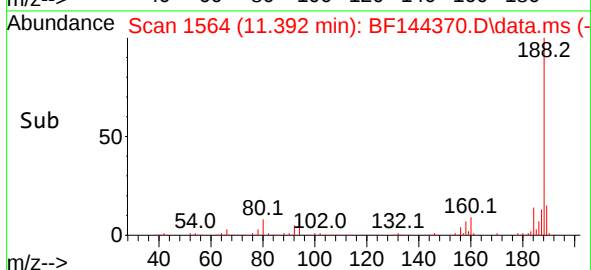
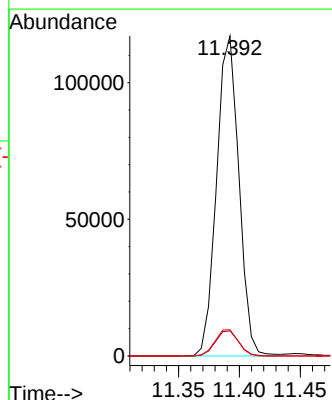
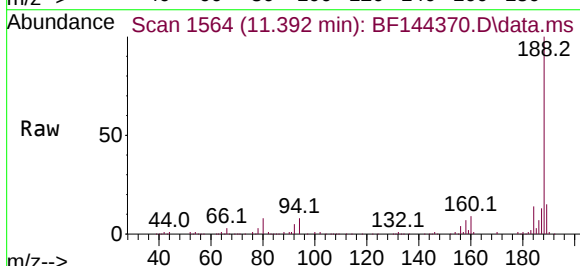
Tgt Ion: 188 Resp: 149191

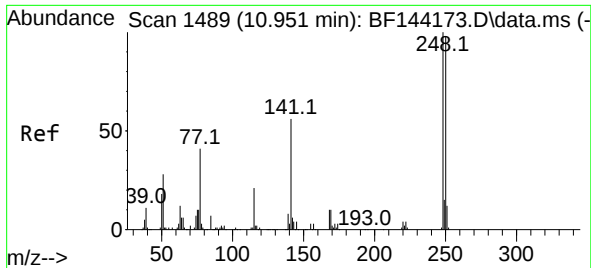
Ion Ratio Lower Upper

188 100

94 7.8 6.2 9.2

80 8.2 6.9 10.3

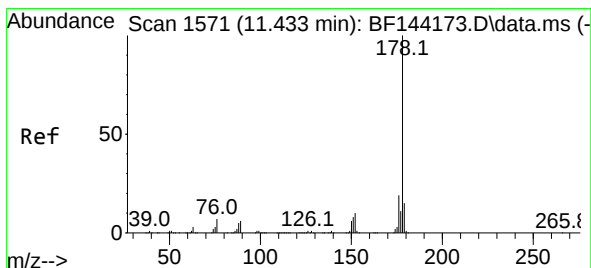
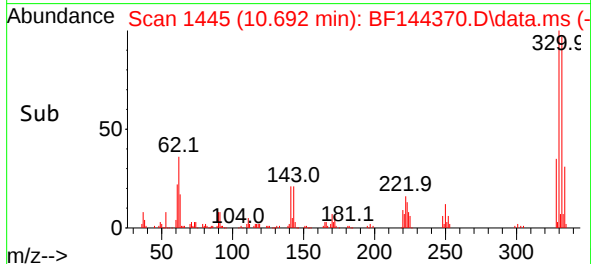
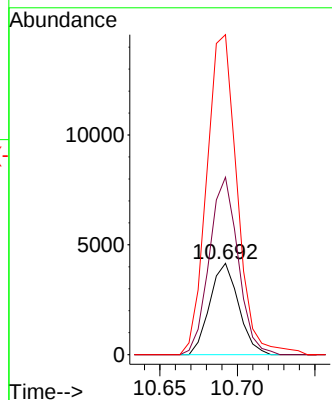
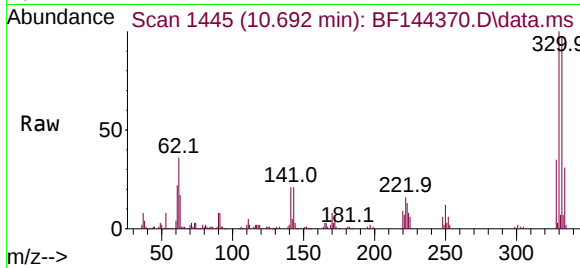




#67
4-Bromophenyl-phenylether
Concen: 2.832 ng
RT: 10.692 min Scan# 1489
Delta R.T. -0.253 min
Lab File: BF144370.D
Acq: 26 Nov 2025 19:43

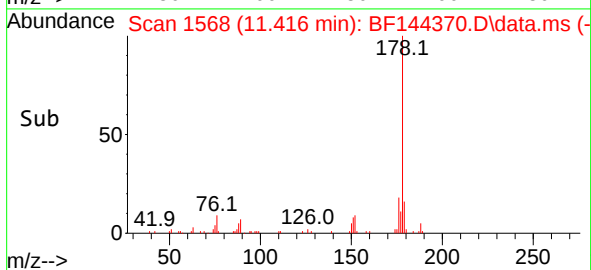
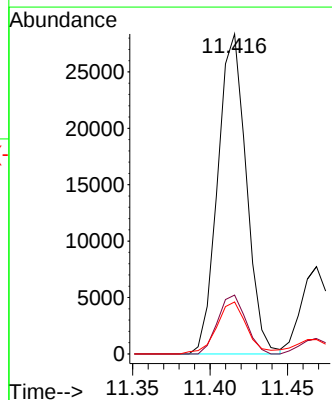
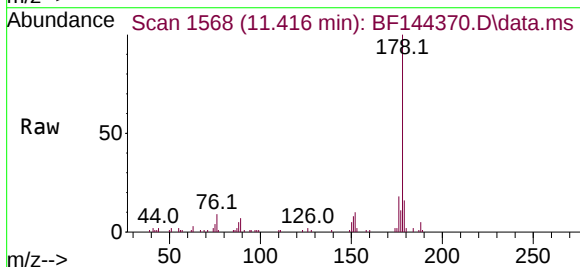
Instrument :
BNA_F
ClientSampleId :
SB-1125-14B

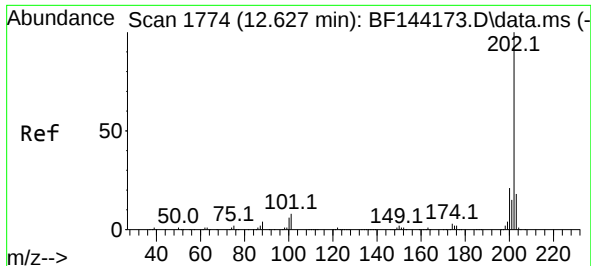
Tgt Ion:248 Resp: 5392
Ion Ratio Lower Upper
248 100
250 194.5 78.4 117.6#
141 350.8 45.1 67.7#



#71
Phenanthrene
Concen: 4.907 ng
RT: 11.416 min Scan# 1568
Delta R.T. -0.012 min
Lab File: BF144370.D
Acq: 26 Nov 2025 19:43

Tgt Ion:178 Resp: 36451
Ion Ratio Lower Upper
178 100
176 18.4 15.5 23.3
179 16.2 12.2 18.4

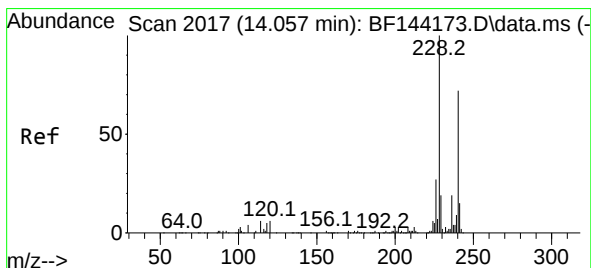
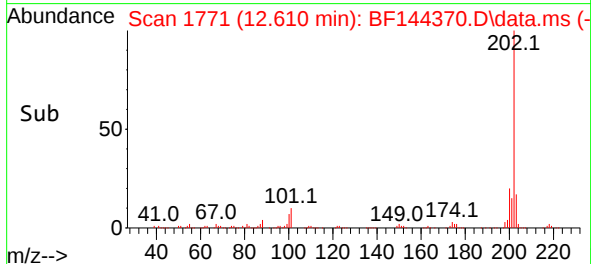
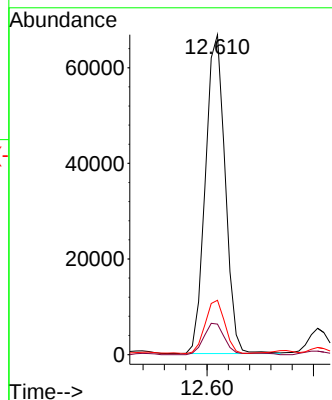
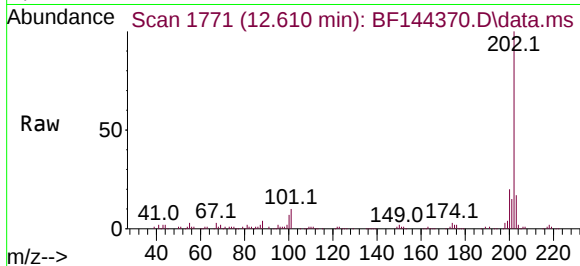




#75
Fluoranthene
Concen: 11.164 ng
RT: 12.610 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF144370.D
Acq: 26 Nov 2025 19:43

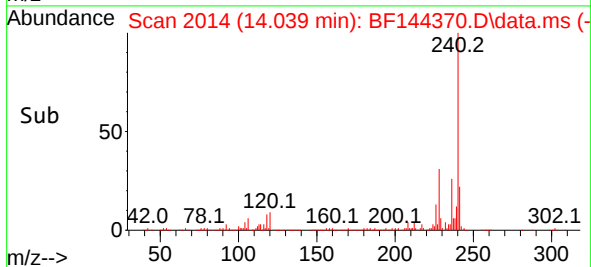
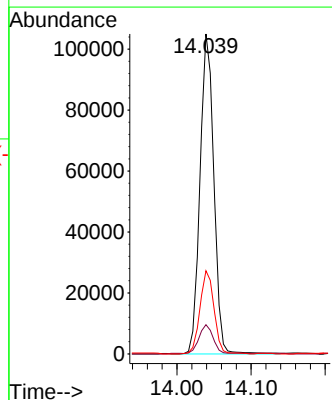
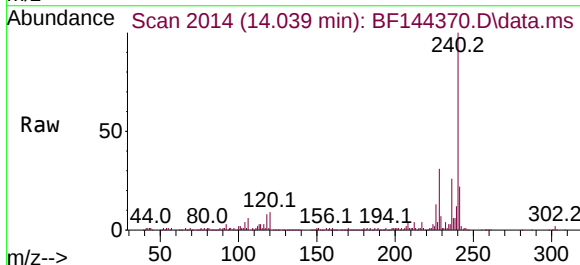
Instrument :
BNA_F
ClientSampleId :
SB-1125-14B

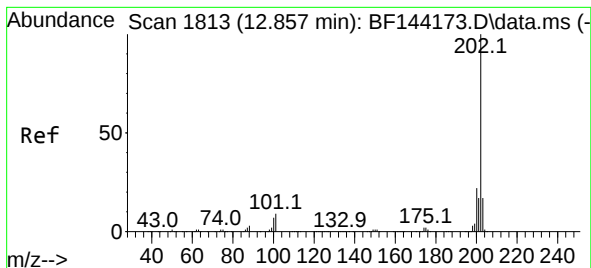
Tgt Ion:202 Resp: 85666
Ion Ratio Lower Upper
202 100
101 9.5 0.0 27.9
203 17.0 0.0 37.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.039 min Scan# 2014
Delta R.T. -0.012 min
Lab File: BF144370.D
Acq: 26 Nov 2025 19:43

Tgt Ion:240 Resp: 136224
Ion Ratio Lower Upper
240 100
120 9.1 6.6 10.0
236 26.0 21.4 32.2





#78

Pyrene

Concen: 7.397 ng

RT: 12.839 min Scan# 1810

Delta R.T. -0.012 min

Lab File: BF144370.D

Acq: 26 Nov 2025 19:43

Instrument :

BNA_F

ClientSampleId :

SB-1125-14B

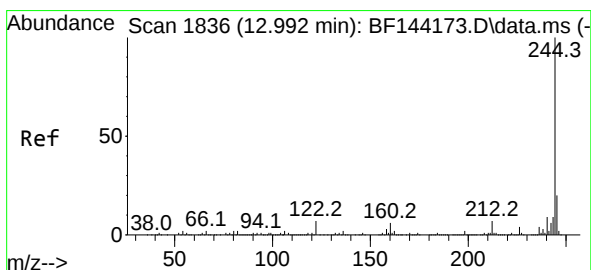
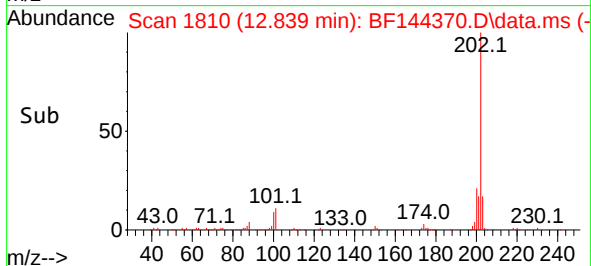
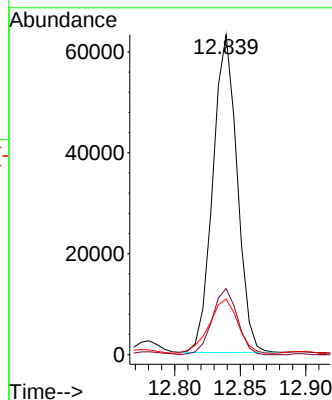
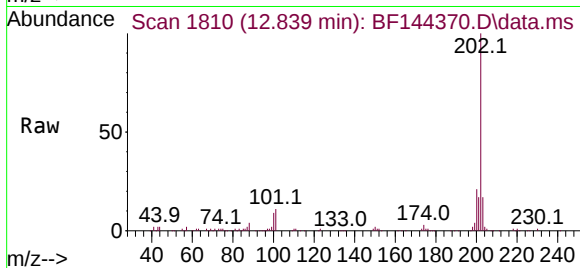
Tgt Ion:202 Resp: 81247

Ion Ratio Lower Upper

202 100

200 20.6 17.2 25.8

203 17.4 13.7 20.5



#79

Terphenyl-d14

Concen: 44.822 ng

RT: 12.980 min Scan# 1834

Delta R.T. -0.012 min

Lab File: BF144370.D

Acq: 26 Nov 2025 19:43

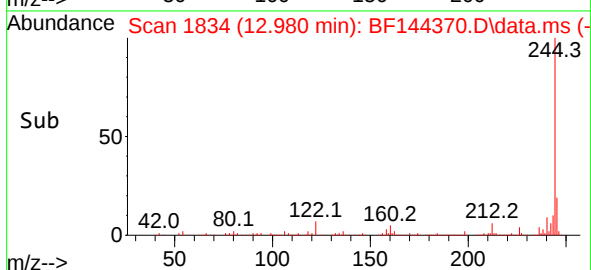
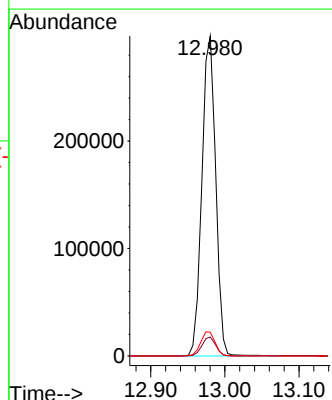
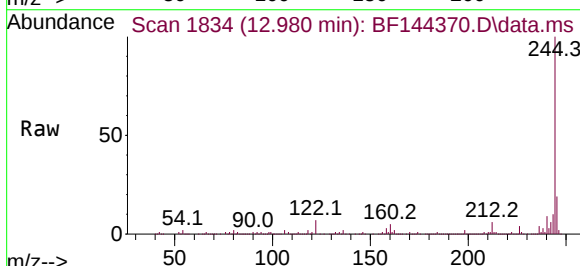
Tgt Ion:244 Resp: 384397

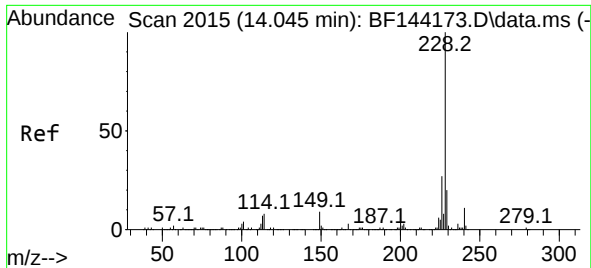
Ion Ratio Lower Upper

244 100

212 5.9 5.3 7.9

122 7.4 5.6 8.4

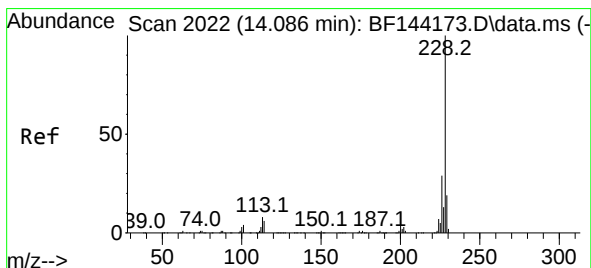
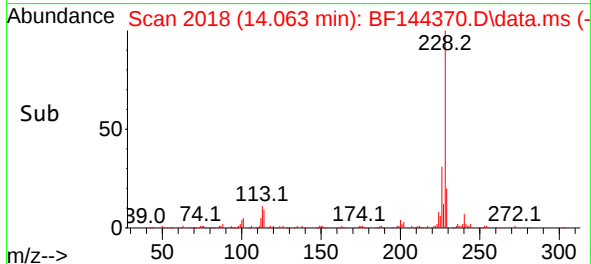
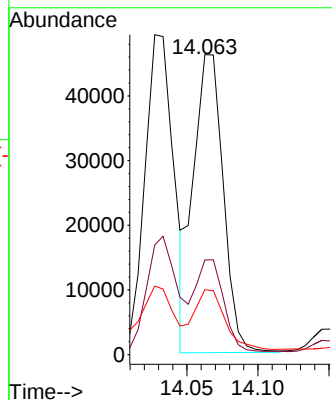
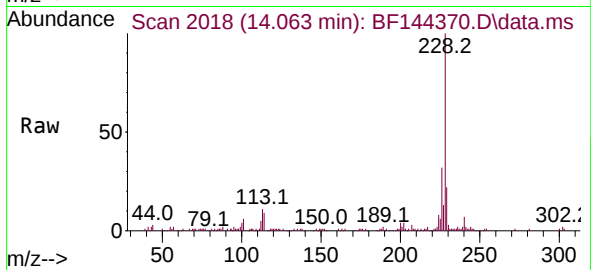




#81
Benzo(a)anthracene
Concen: 7.144 ng
RT: 14.063 min Scan# 2018
Delta R.T. 0.018 min
Lab File: BF144370.D
Acq: 26 Nov 2025 19:43

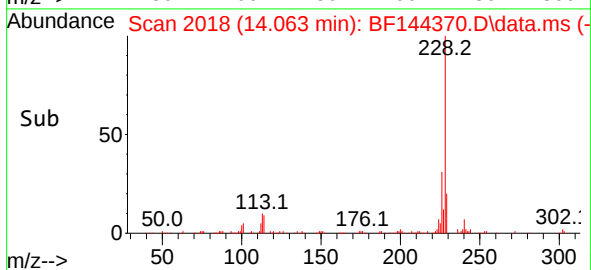
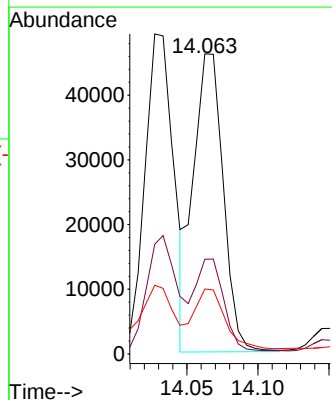
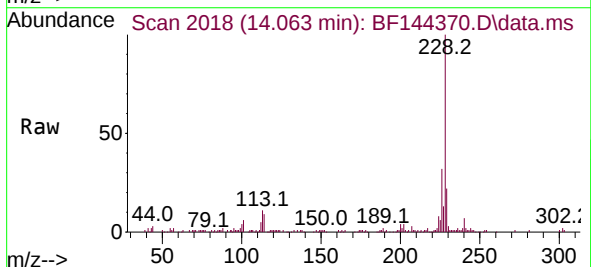
Instrument :
BNA_F
ClientSampleId :
SB-1125-14B

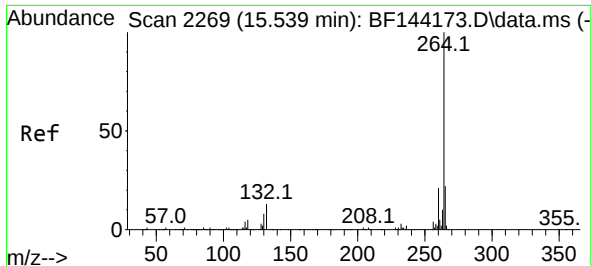
Tgt Ion:228 Resp: 67446
Ion Ratio Lower Upper
228 100
226 31.6 21.8 32.8
229 21.6 15.8 23.6



#83
Chrysene
Concen: 7.739 ng
RT: 14.063 min Scan# 2018
Delta R.T. -0.018 min
Lab File: BF144370.D
Acq: 26 Nov 2025 19:43

Tgt Ion:228 Resp: 67446
Ion Ratio Lower Upper
228 100
226 31.6 22.9 34.3
229 21.6 15.0 22.6

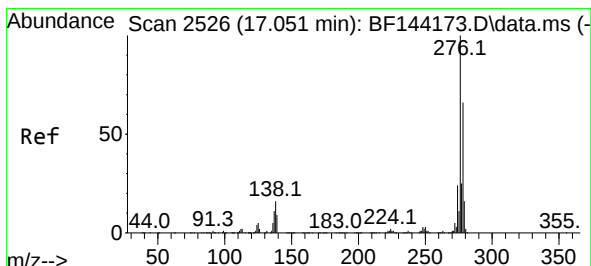
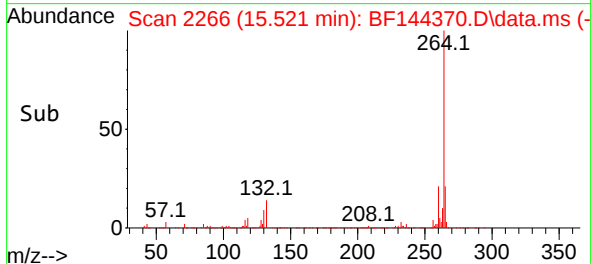
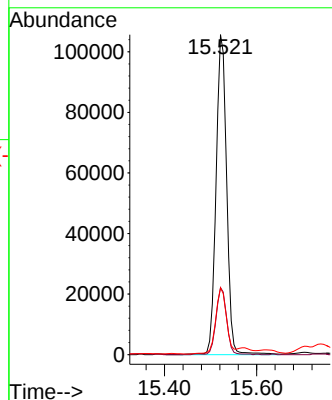
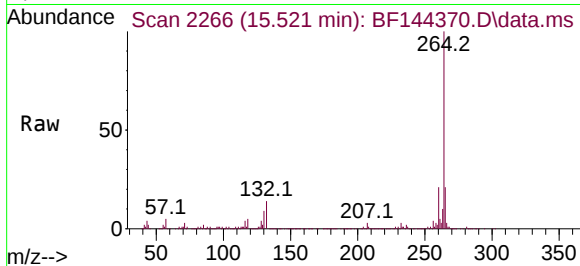




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.521 min Scan# 21
Delta R.T. -0.018 min
Lab File: BF144370.D
Acq: 26 Nov 2025 19:43

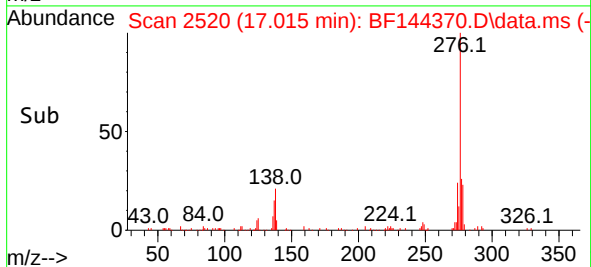
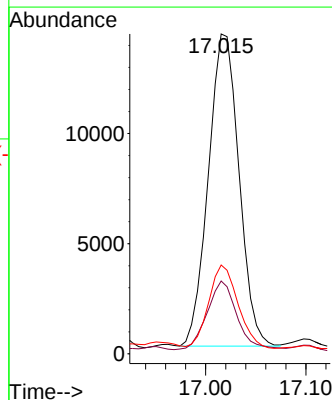
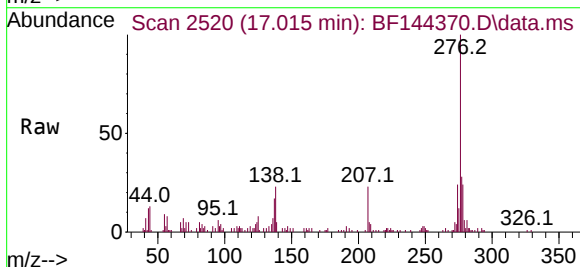
Instrument :
BNA_F
ClientSampleId :
SB-1125-14B

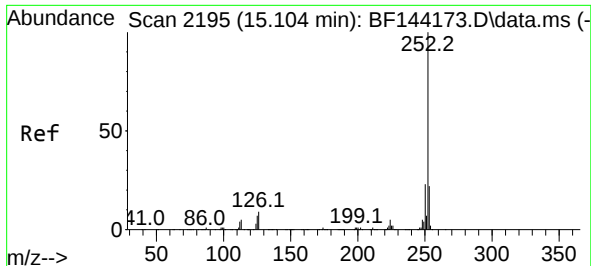
Tgt Ion:264 Resp: 168122
Ion Ratio Lower Upper
264 100
260 20.9 17.1 25.7
265 20.9 17.4 26.0



#87
Indeno(1,2,3-cd)pyrene
Concen: 2.493 ng
RT: 17.015 min Scan# 2520
Delta R.T. -0.018 min
Lab File: BF144370.D
Acq: 26 Nov 2025 19:43

Tgt Ion:276 Resp: 30089
Ion Ratio Lower Upper
276 100
138 21.1 13.9 20.9#
277 25.9 19.8 29.6

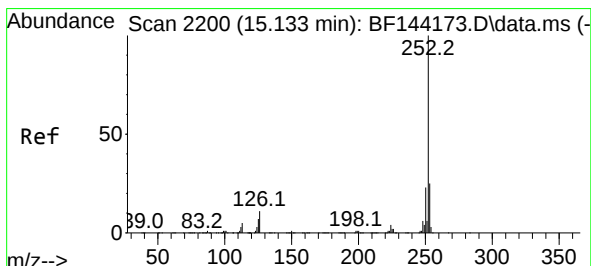
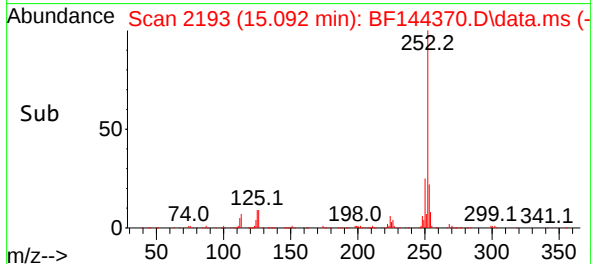
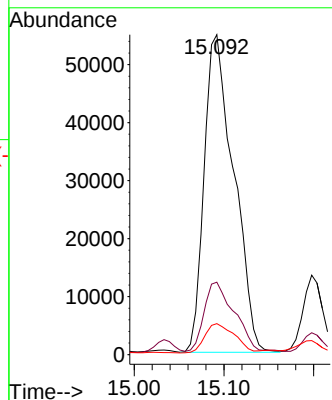
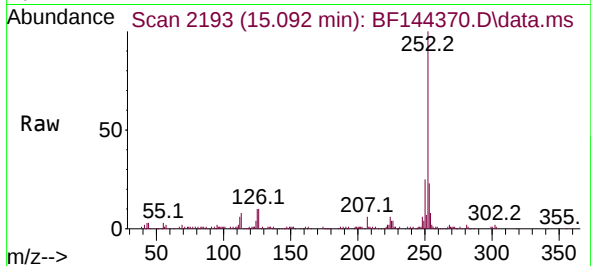




#88
Benzo(b)fluoranthene
Concen: 13.159 ng
RT: 15.092 min Scan# 2195
Delta R.T. -0.006 min
Lab File: BF144370.D
Acq: 26 Nov 2025 19:43

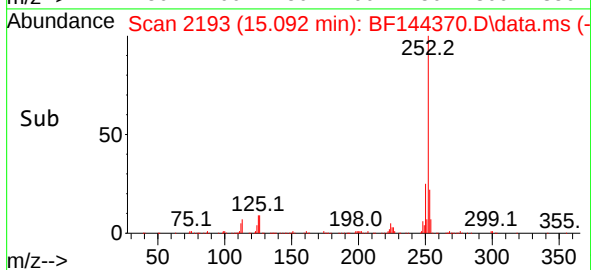
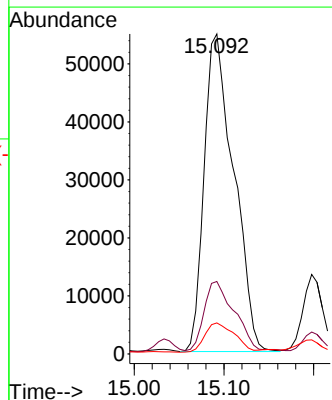
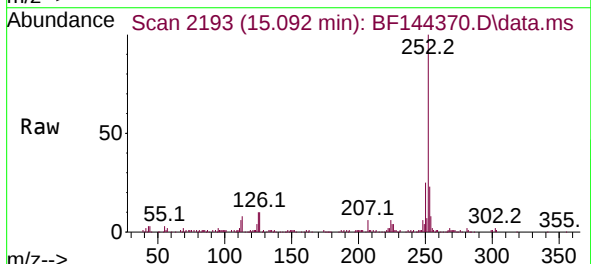
Instrument :
BNA_F
ClientSampleId :
SB-1125-14B

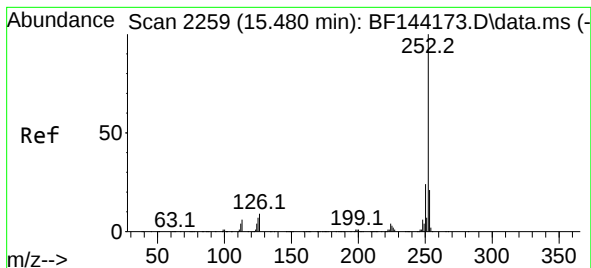
Tgt Ion:252 Resp: 125778
Ion Ratio Lower Upper
252 100
253 22.6 17.4 26.2
125 9.7 5.3 7.9#



#89
Benzo(k)fluoranthene
Concen: 14.059 ng
RT: 15.092 min Scan# 2193
Delta R.T. -0.035 min
Lab File: BF144370.D
Acq: 26 Nov 2025 19:43

Tgt Ion:252 Resp: 125778
Ion Ratio Lower Upper
252 100
253 22.6 18.0 27.0
125 9.7 5.4 8.2#





#90

Benzo(a)pyrene

Concen: 7.816 ng

RT: 15.457 min Scan# 21

Delta R.T. -0.018 min

Lab File: BF144370.D

Acq: 26 Nov 2025 19:43

Instrument :

BNA_F

ClientSampleId :

SB-1125-14B

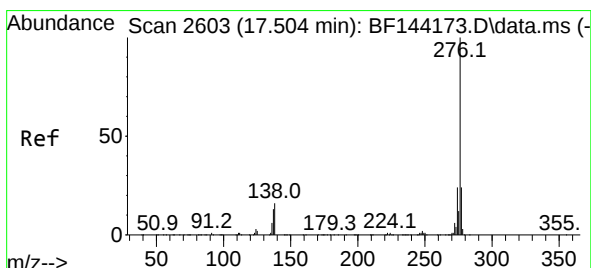
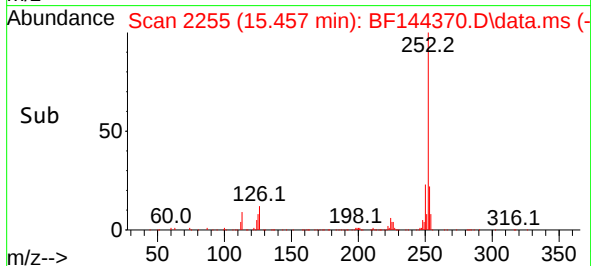
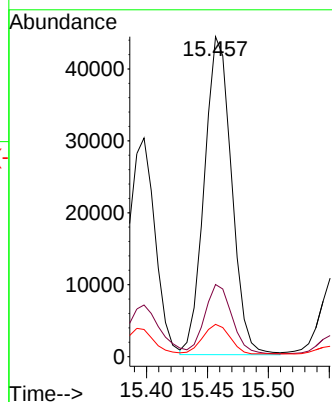
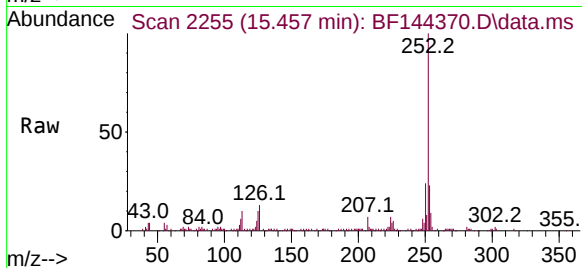
Tgt Ion:252 Resp: 68923

Ion Ratio Lower Upper

252 100

253 22.5 16.7 25.1

125 10.1 5.7 8.5#



#92

Benzo(g,h,i)perylene

Concen: 3.006 ng

RT: 17.474 min Scan# 2598

Delta R.T. -0.018 min

Lab File: BF144370.D

Acq: 26 Nov 2025 19:43

Tgt Ion:276 Resp: 28769

Ion Ratio Lower Upper

276 100

277 26.0 19.0 28.4

138 22.0 12.9 19.3#

