

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080525\
 Data File : BF143308.D
 Acq On : 05 Aug 2025 11:34
 Operator : RC/JU
 Sample : Q2747-01
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OU4-TS-GRILLO-OG2-073125

Quant Time: Aug 05 12:12:36 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 17 15:14:05 2025
 Response via : Initial Calibration

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

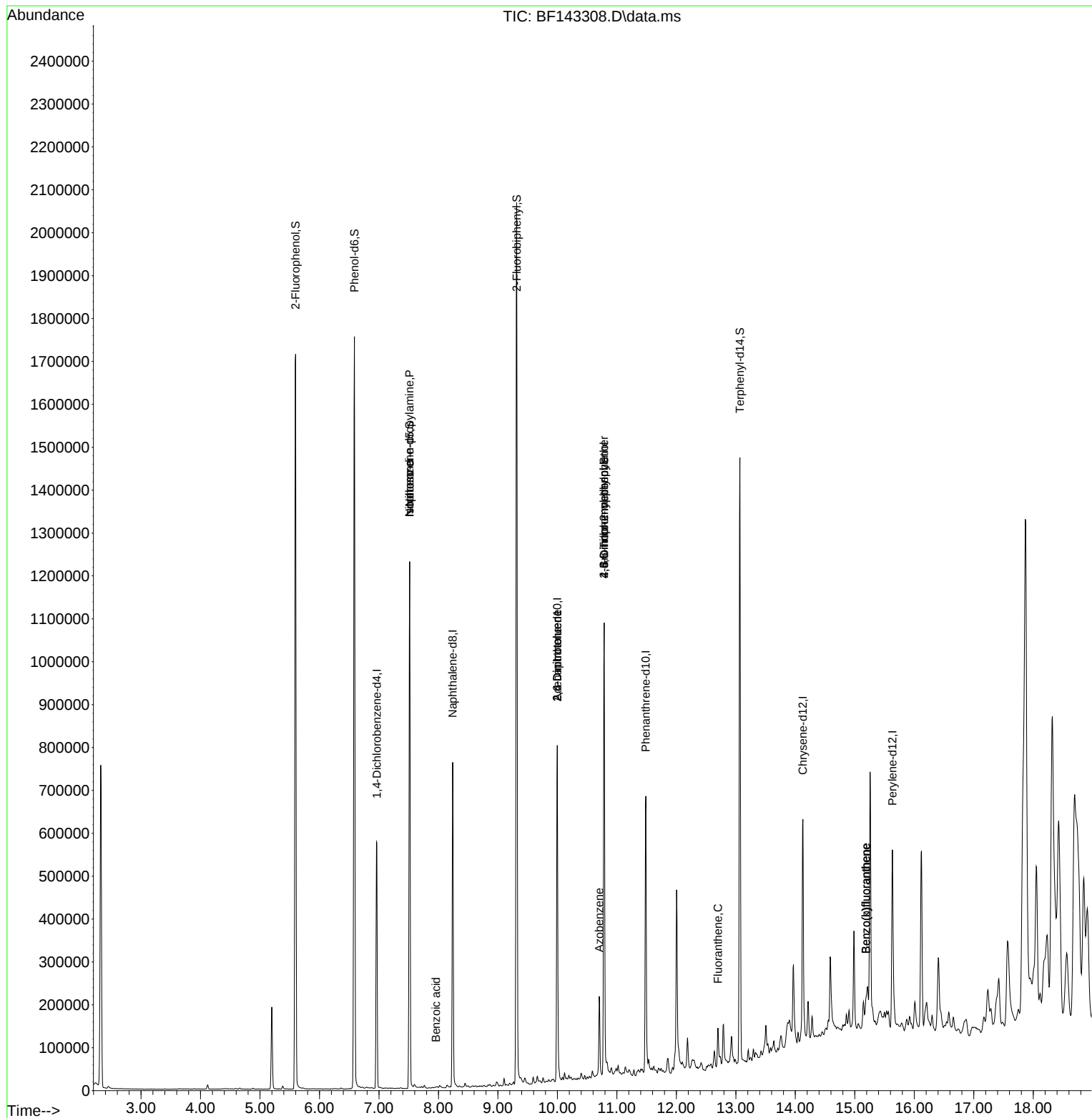
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.963	152	122190	20.000	ng	0.00
21) Naphthalene-d8	8.239	136	464994	20.000	ng	0.00
39) Acenaphthene-d10	9.998	164	232438	20.000	ng	0.00
64) Phenanthrene-d10	11.486	188	332107	20.000	ng	0.00
76) Chrysene-d12	14.127	240	244179	20.000	ng	0.00
86) Perylene-d12	15.633	264	241354	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.598	112	651808	84.415	ng	0.01
7) Phenol-d6	6.587	99	836401	86.059	ng	0.00
23) Nitrobenzene-d5	7.516	82	532727	57.108	ng	0.00
42) 2,4,6-Tribromophenol	10.786	330	189142	78.769	ng	0.00
45) 2-Fluorobiphenyl	9.316	172	946808	55.708	ng	0.00
79) Terphenyl-d14	13.069	244	685634	41.785	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.516	70	72297	11.595	ng	# 79
25) Isophorone	7.516	82	526066	31.945	ng	# 66
32) Benzoic acid	7.957	122	339	5.248	ng	# 80
51) 2,6-Dinitrotoluene	9.998	165	29551	9.588	ng	# 23
57) 2,4-Dinitrotoluene	9.998	165	29727	7.688	ng	# 21
63) Azobenzene	10.704	77	44760	2.868	ng	# 1
65) 4,6-Dinitro-2-methylph...	10.786	198	388	5.610	ng	# 1
67) 4-Bromophenyl-phenylether	10.786	248	11632	2.939	ng	# 1
75) Fluoranthene	12.698	202	42459	2.623	ng	98
88) Benzo(b)fluoranthene	15.186	252	44762	3.036	ng	# 90
89) Benzo(k)fluoranthene	15.186	252	44762	3.402	ng	# 91

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

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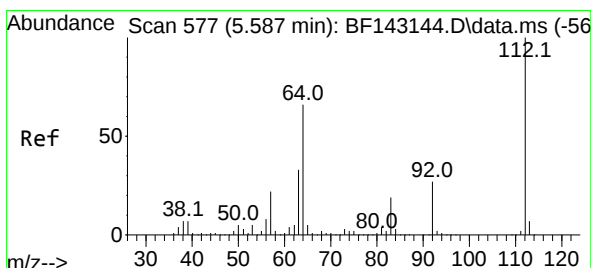
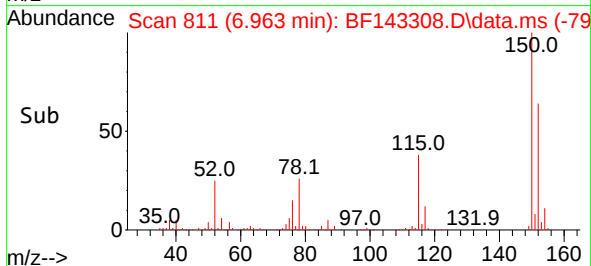
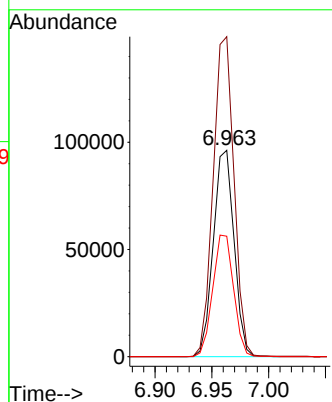
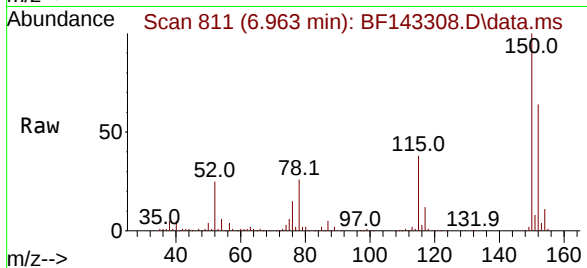




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.963 min Scan# 811
Delta R.T. 0.000 min
Lab File: BF143308.D
Acq: 05 Aug 2025 11:34

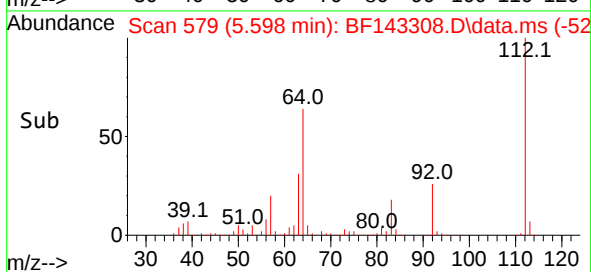
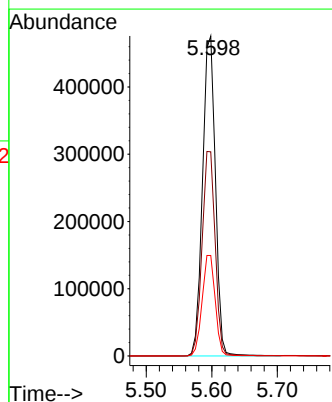
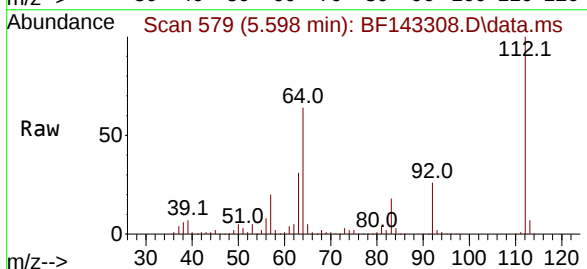
Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-OG2-073125

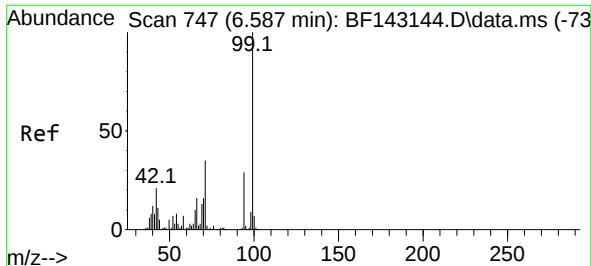
Tgt Ion:152 Resp: 122190
Ion Ratio Lower Upper
152 100
150 155.1 128.2 192.4
115 58.4 47.9 71.9



#5
2-Fluorophenol
Concen: 84.415 ng
RT: 5.598 min Scan# 579
Delta R.T. 0.012 min
Lab File: BF143308.D
Acq: 05 Aug 2025 11:34

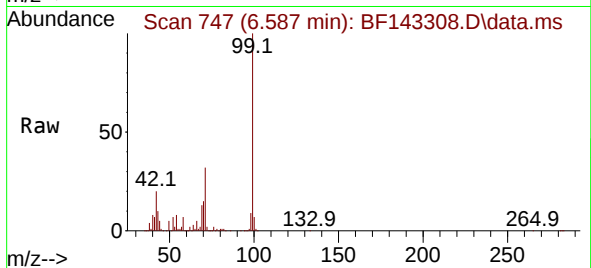
Tgt Ion:112 Resp: 651808
Ion Ratio Lower Upper
112 100
64 63.8 53.1 79.7
63 31.4 26.6 40.0



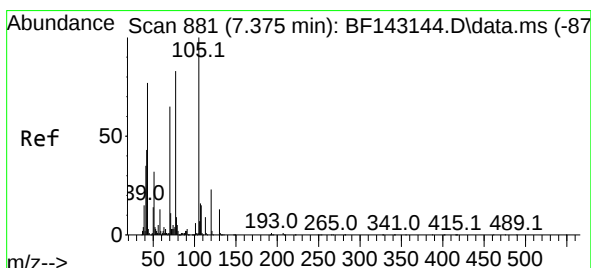
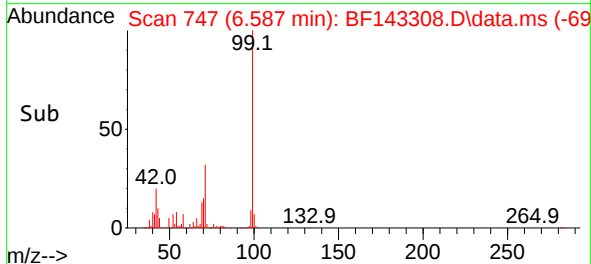
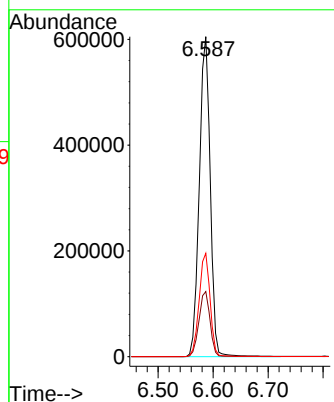


#7
Phenol-d6
Concen: 86.059 ng
RT: 6.587 min Scan# 747
Delta R.T. 0.000 min
Lab File: BF143308.D
Acq: 05 Aug 2025 11:34

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-OG2-073125

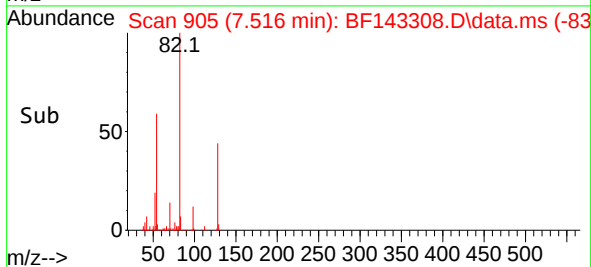
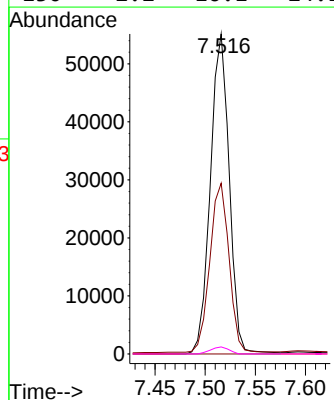
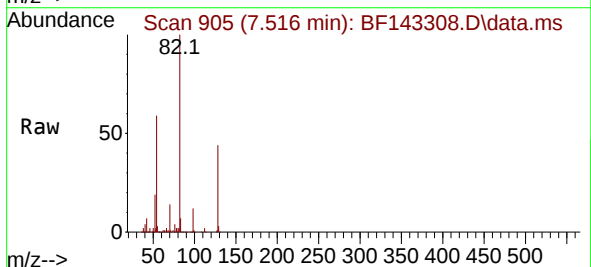


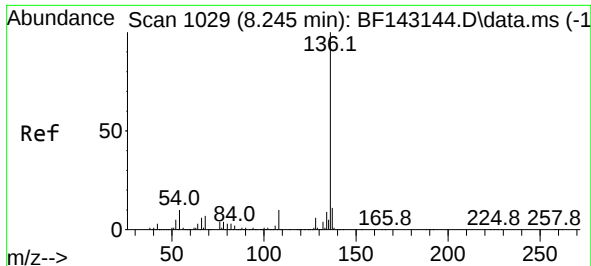
Tgt Ion: 99 Resp: 836401
Ion Ratio Lower Upper
99 100
42 20.4 17.0 25.6
71 32.3 27.7 41.5



#19
n-Nitroso-di-n-propylamine
Concen: 11.595 ng
RT: 7.516 min Scan# 905
Delta R.T. 0.141 min
Lab File: BF143308.D
Acq: 05 Aug 2025 11:34

Tgt Ion: 70 Resp: 72297
Ion Ratio Lower Upper
70 100
42 53.4 52.5 78.7
101 0.0 7.6 11.4#
130 2.2 16.1 24.1#

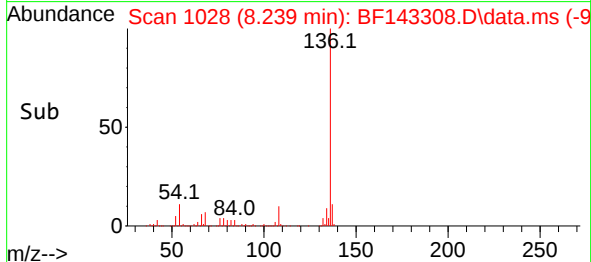
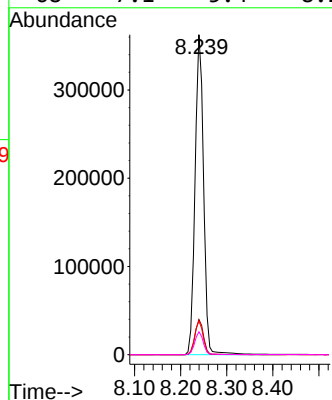
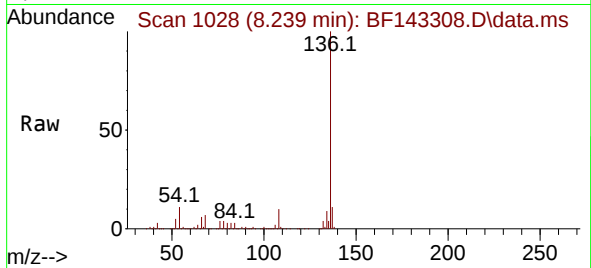




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.239 min Scan# 1028
Delta R.T. -0.006 min
Lab File: BF143308.D
Acq: 05 Aug 2025 11:34

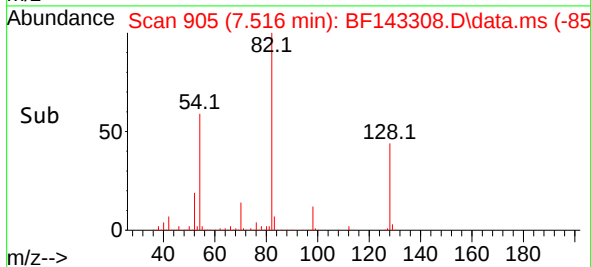
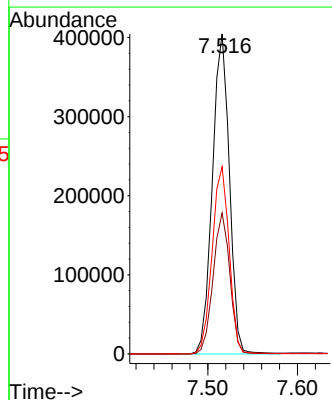
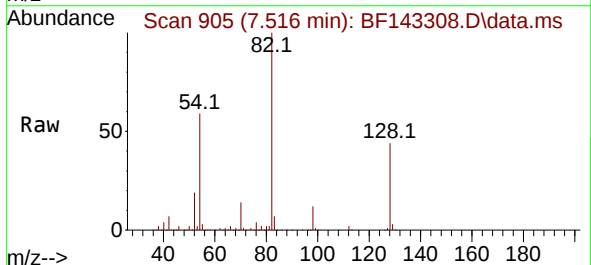
Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-OG2-073125

Tgt Ion:	136	Resp:	464994
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.6	13.0
54	10.5	8.2	12.2
68	7.1	5.4	8.2



#23
Nitrobenzene-d5
Concen: 57.108 ng
RT: 7.516 min Scan# 905
Delta R.T. -0.006 min
Lab File: BF143308.D
Acq: 05 Aug 2025 11:34

Tgt Ion:	82	Resp:	532727
Ion	Ratio	Lower	Upper
82	100		
128	44.0	33.6	50.4
54	58.5	47.1	70.7

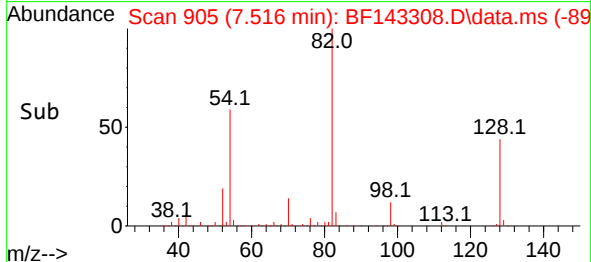
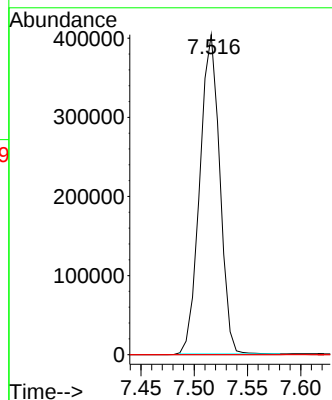
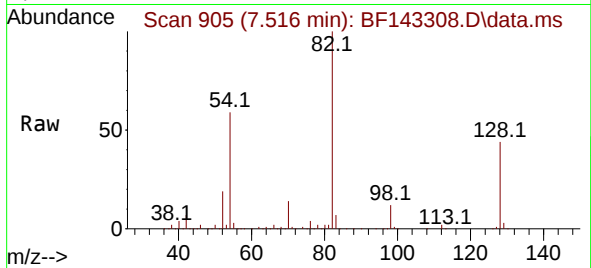




#25
Isophorone
Concen: 31.945 ng
RT: 7.516 min Scan# 90
Delta R.T. -0.265 min
Lab File: BF143308.D
Acq: 05 Aug 2025 11:34

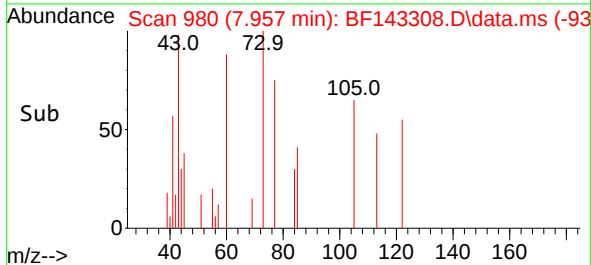
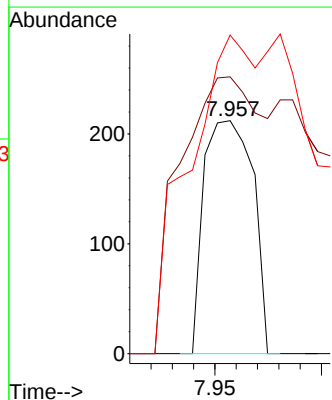
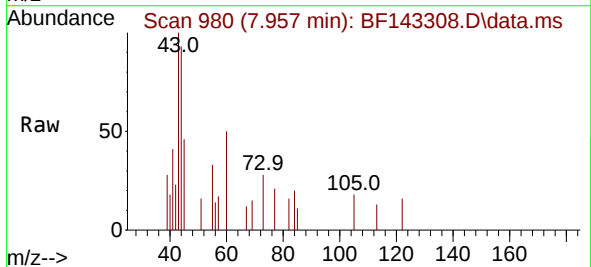
Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-OG2-073125

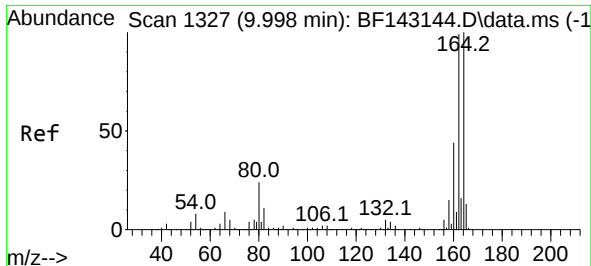
Tgt Ion: 82 Resp: 526066
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 13.8 20.8#



#32
Benzoic acid
Concen: 5.248 ng
RT: 7.957 min Scan# 980
Delta R.T. -0.035 min
Lab File: BF143308.D
Acq: 05 Aug 2025 11:34

Tgt Ion:122 Resp: 339
Ion Ratio Lower Upper
122 100
105 118.9 104.8 144.8
77 136.8 77.6 117.6#

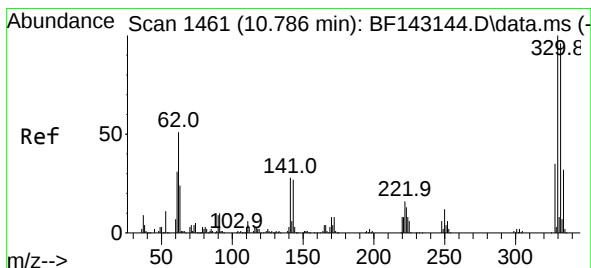
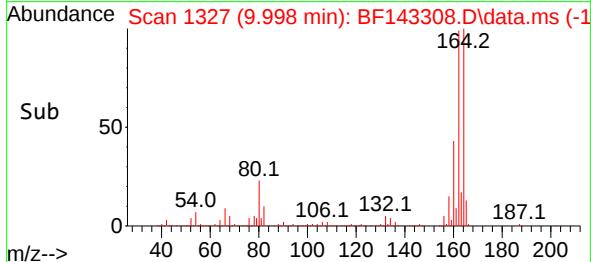
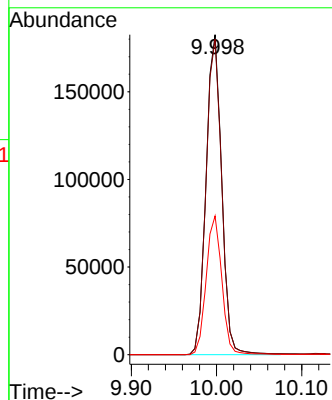
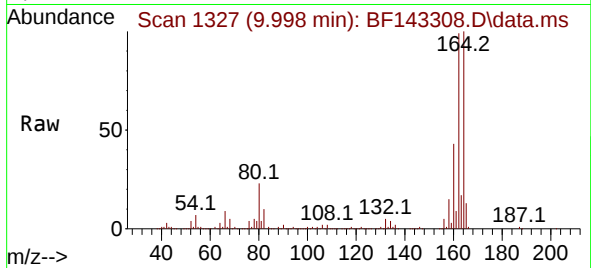




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.998 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF143308.D
Acq: 05 Aug 2025 11:34

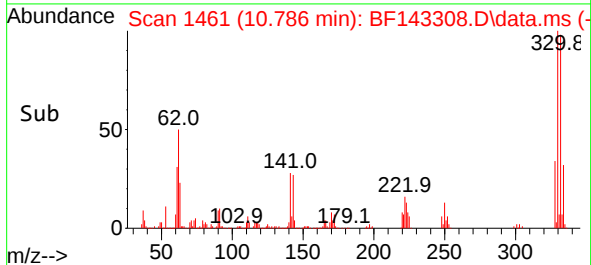
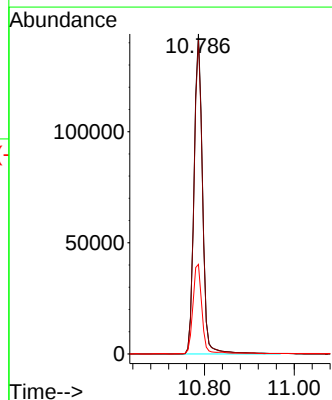
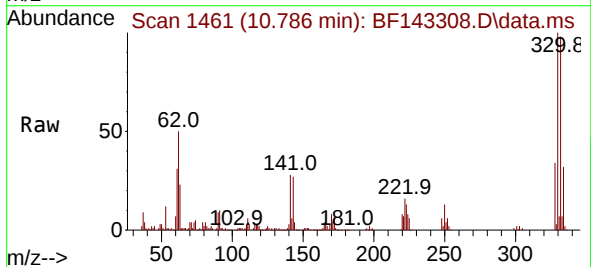
Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-OG2-073125

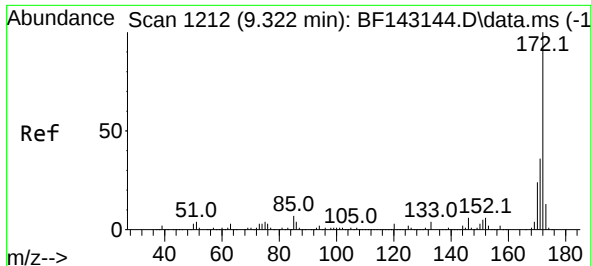
Tgt Ion:164 Resp: 232438
Ion Ratio Lower Upper
164 100
162 98.6 79.0 118.6
160 43.4 35.1 52.7



#42
2,4,6-Tribromophenol
Concen: 78.769 ng
RT: 10.786 min Scan# 1461
Delta R.T. 0.000 min
Lab File: BF143308.D
Acq: 05 Aug 2025 11:34

Tgt Ion:330 Resp: 189142
Ion Ratio Lower Upper
330 100
332 98.4 76.7 115.1
141 30.2 23.3 34.9





#45

2-Fluorobiphenyl

Concen: 55.708 ng

RT: 9.316 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF143308.D

Acq: 05 Aug 2025 11:34

Instrument :

BNA_F

ClientSampleId :

OU4-TS-GRILLO-OG2-073125

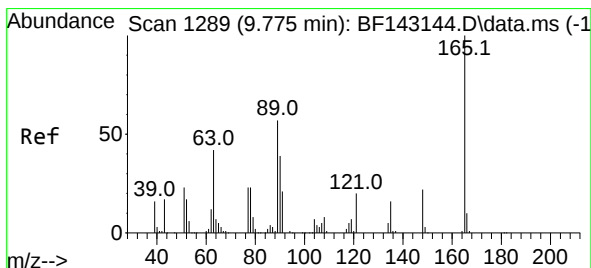
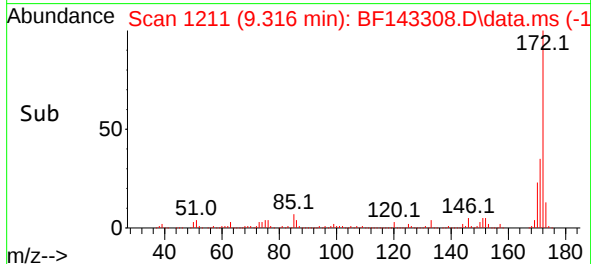
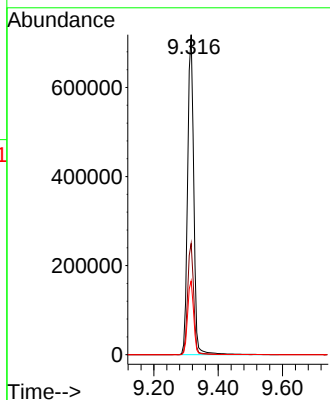
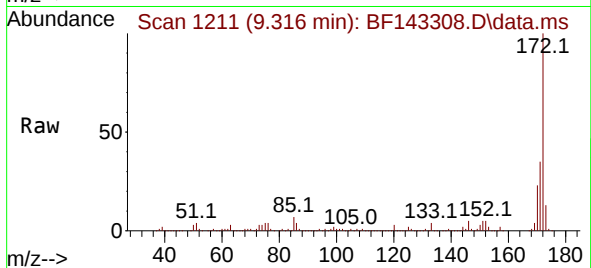
Tgt Ion:172 Resp: 946808

Ion Ratio Lower Upper

172 100

171 34.7 28.6 42.8

170 23.0 18.8 28.2



#51

2,6-Dinitrotoluene

Concen: 9.588 ng

RT: 9.998 min Scan# 1327

Delta R.T. 0.224 min

Lab File: BF143308.D

Acq: 05 Aug 2025 11:34

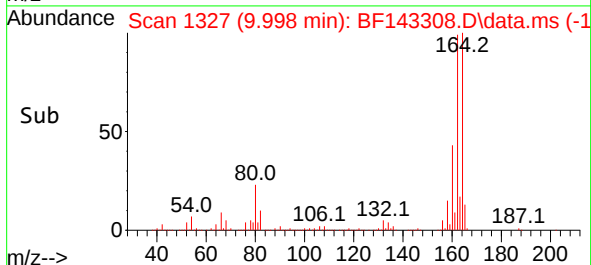
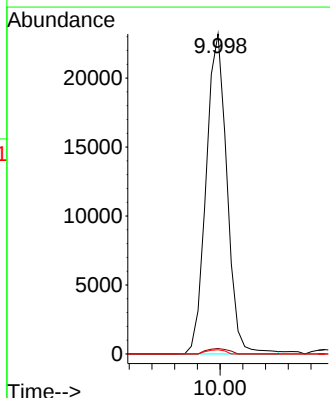
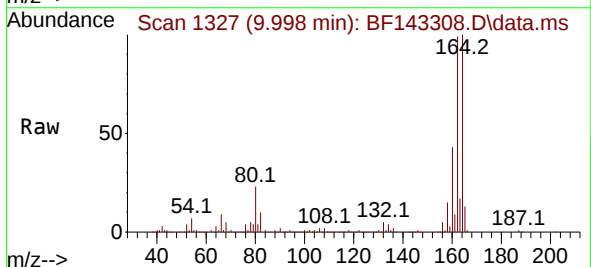
Tgt Ion:165 Resp: 29551

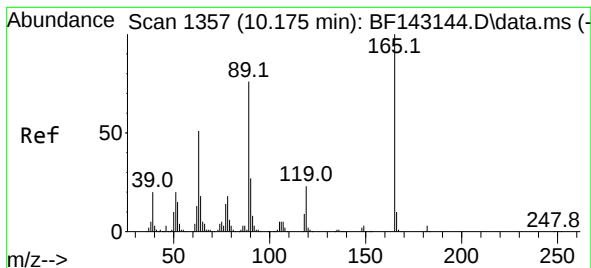
Ion Ratio Lower Upper

165 100

63 1.7 49.4 74.2#

89 1.3 46.2 69.2#

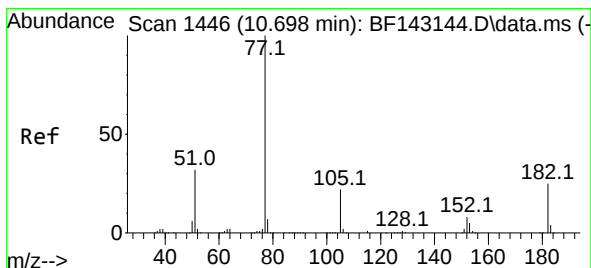
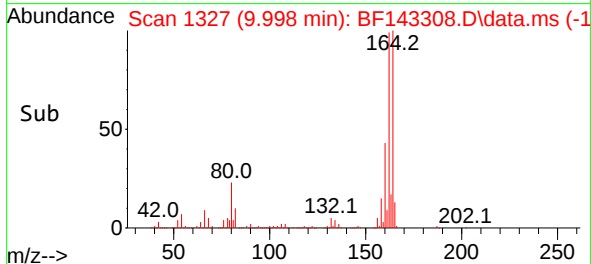
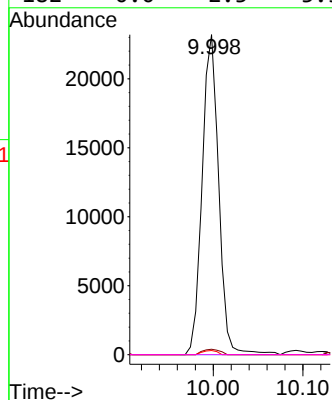
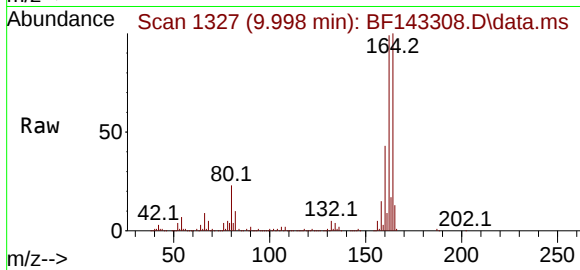




#57
2,4-Dinitrotoluene
Concen: 7.688 ng
RT: 9.998 min Scan# 11
Delta R.T. -0.176 min
Lab File: BF143308.D
Acq: 05 Aug 2025 11:34

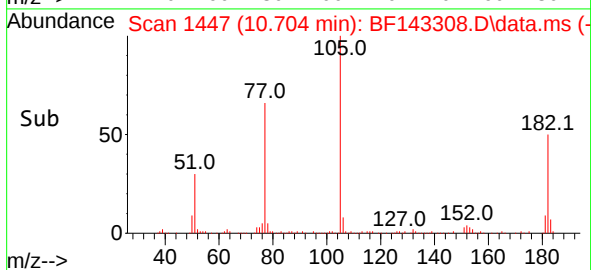
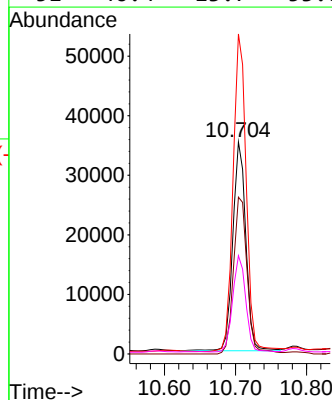
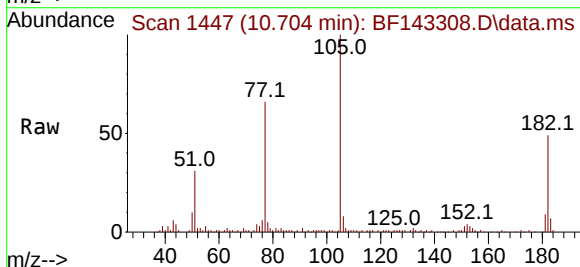
Instrument :
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OU4-TS-GRILLO-OG2-073125

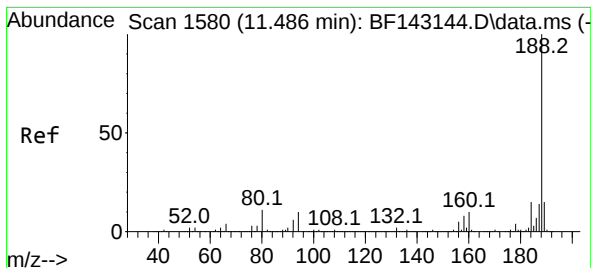
Tgt Ion:165 Resp: 29727
Ion Ratio Lower Upper
165 100
63 1.7 41.0 61.4#
89 1.3 61.1 91.7#
182 0.0 2.3 3.5#



#63
Azobenzene
Concen: 2.868 ng
RT: 10.704 min Scan# 1447
Delta R.T. 0.006 min
Lab File: BF143308.D
Acq: 05 Aug 2025 11:34

Tgt Ion: 77 Resp: 44760
Ion Ratio Lower Upper
77 100
182 74.0 4.6 44.6#
105 150.9 1.4 41.4#
51 46.4 13.7 53.7





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.486 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF143308.D

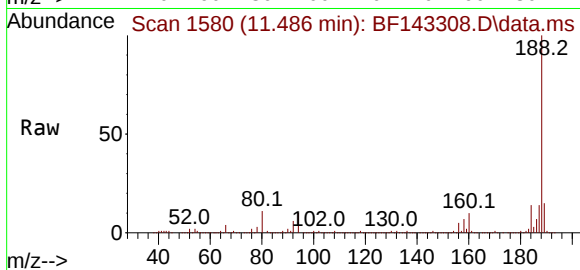
Acq: 05 Aug 2025 11:34

Instrument :

BNA_F

ClientSampleId :

OU4-TS-GRILLO-OG2-073125



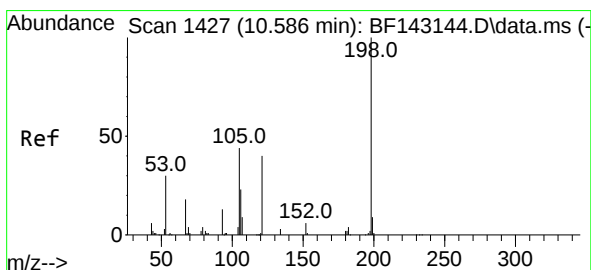
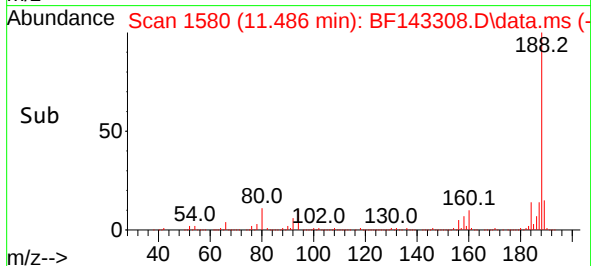
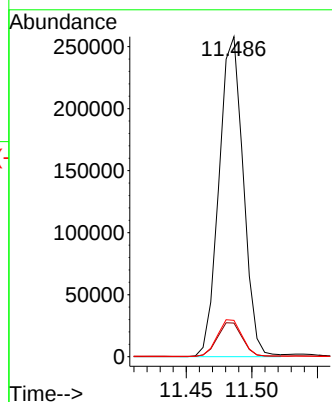
Tgt Ion:188 Resp: 332107

Ion Ratio Lower Upper

188 100

94 10.5 8.3 12.5

80 11.3 9.0 13.6



#65

4,6-Dinitro-2-methylphenol

Concen: 5.610 ng

RT: 10.786 min Scan# 1461

Delta R.T. 0.200 min

Lab File: BF143308.D

Acq: 05 Aug 2025 11:34

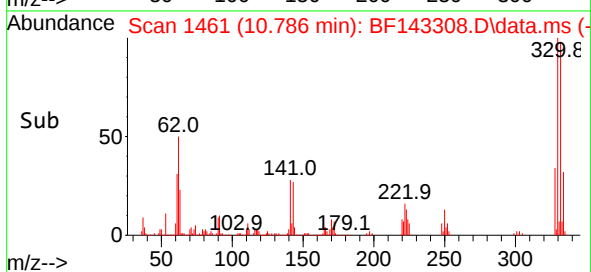
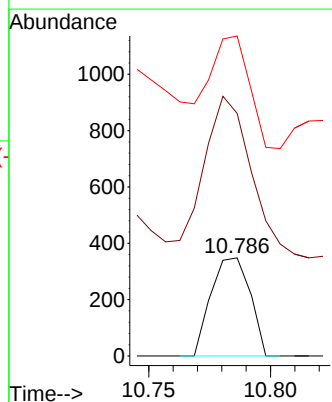
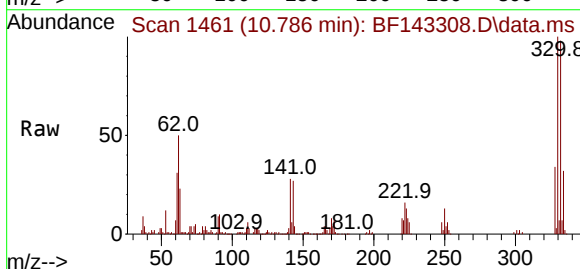
Tgt Ion:198 Resp: 388

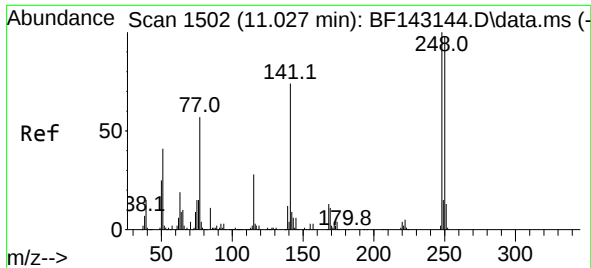
Ion Ratio Lower Upper

198 100

51 247.4 37.2 77.2#

105 326.4 24.8 64.8#

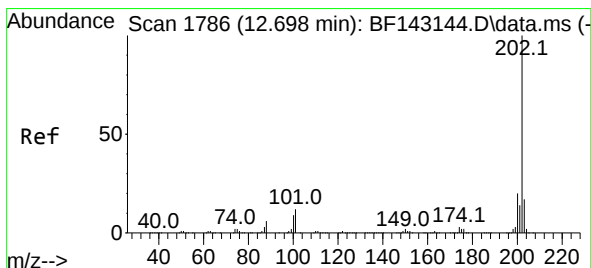
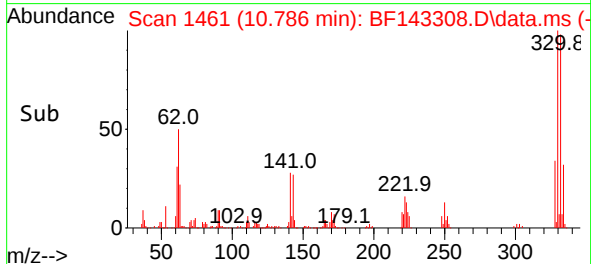
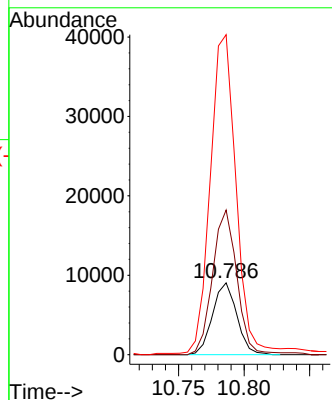
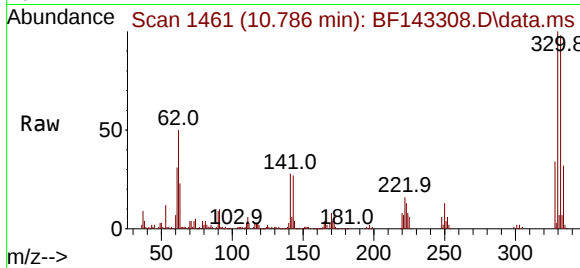




#67
4-Bromophenyl-phenylether
Concen: 2.939 ng
RT: 10.786 min Scan# 1461
Delta R.T. -0.241 min
Lab File: BF143308.D
Acq: 05 Aug 2025 11:34

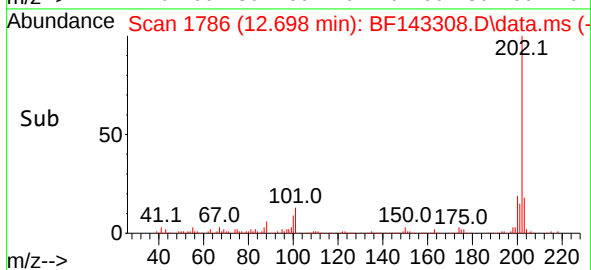
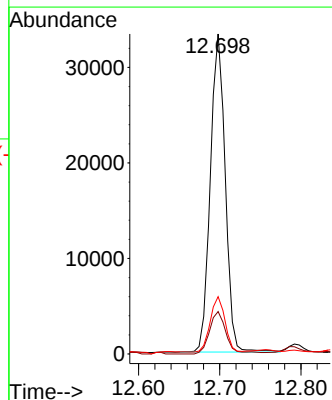
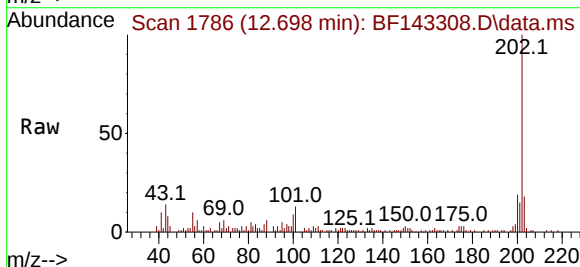
Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-OG2-073125

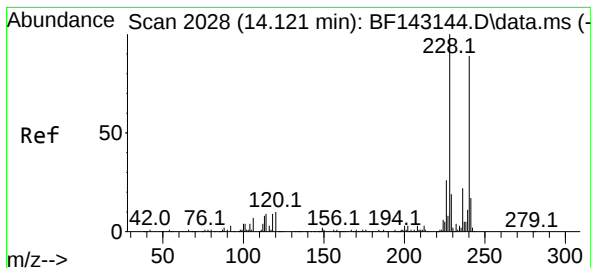
Tgt Ion:248 Resp: 11632
Ion Ratio Lower Upper
248 100
250 201.5 78.3 117.5#
141 445.7 59.2 88.8#



#75
Fluoranthene
Concen: 2.623 ng
RT: 12.698 min Scan# 1786
Delta R.T. 0.000 min
Lab File: BF143308.D
Acq: 05 Aug 2025 11:34

Tgt Ion:202 Resp: 42459
Ion Ratio Lower Upper
202 100
101 13.3 0.0 31.7
203 17.9 0.0 37.4





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.127 min Scan# 2028

Delta R.T. 0.006 min

Lab File: BF143308.D

Acq: 05 Aug 2025 11:34

Instrument :

BNA_F

ClientSampleId :

OU4-TS-GRILLO-OG2-073125

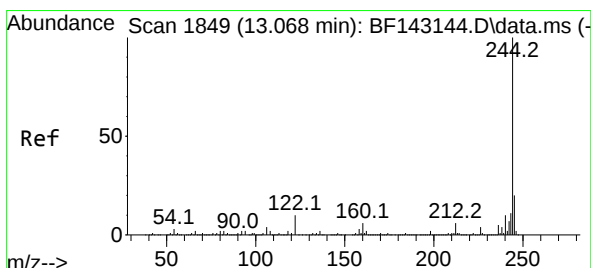
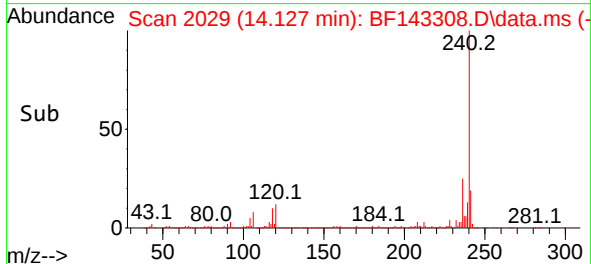
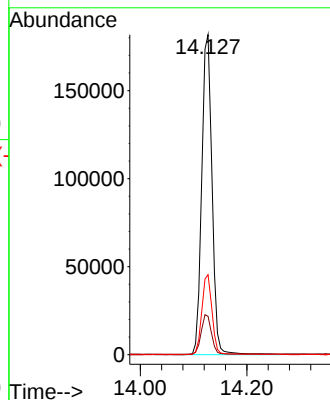
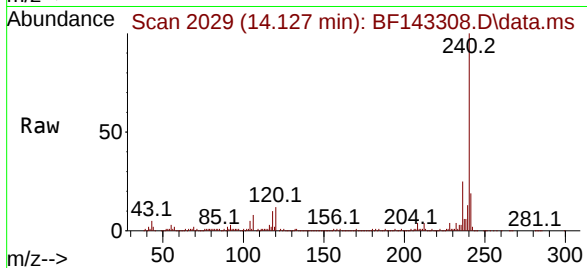
Tgt Ion:240 Resp: 244179

Ion Ratio Lower Upper

240 100

120 12.0 9.4 14.2

236 25.0 20.2 30.4



#79

Terphenyl-d14

Concen: 41.785 ng

RT: 13.069 min Scan# 1849

Delta R.T. 0.000 min

Lab File: BF143308.D

Acq: 05 Aug 2025 11:34

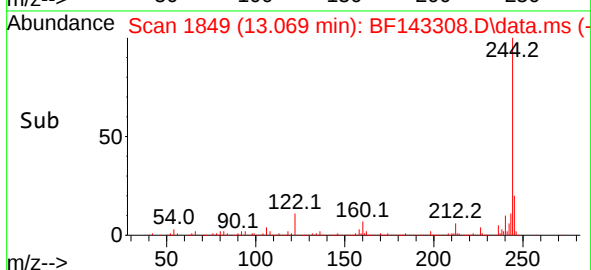
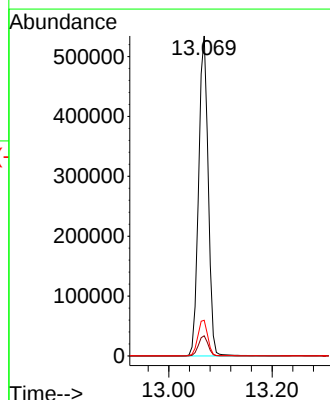
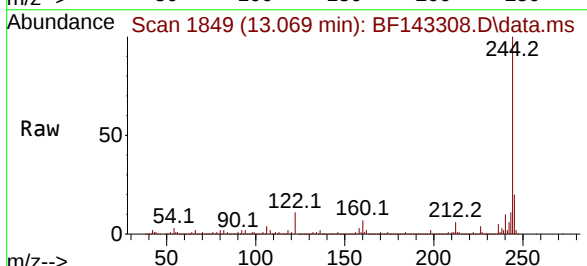
Tgt Ion:244 Resp: 685634

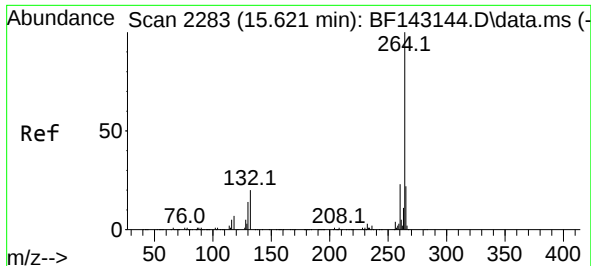
Ion Ratio Lower Upper

244 100

212 6.3 5.2 7.8

122 11.2 8.2 12.2

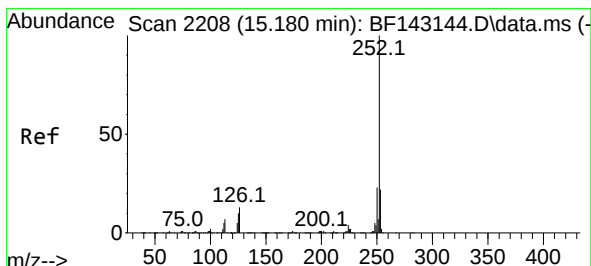
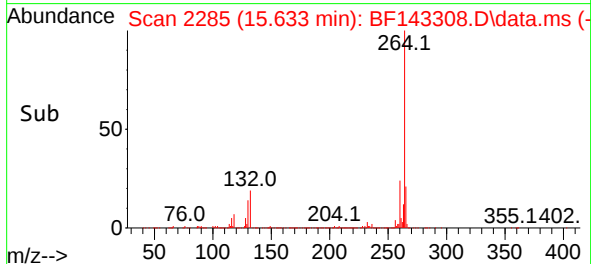
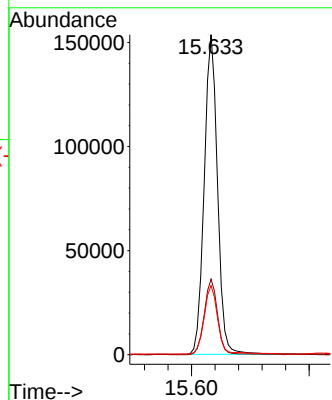
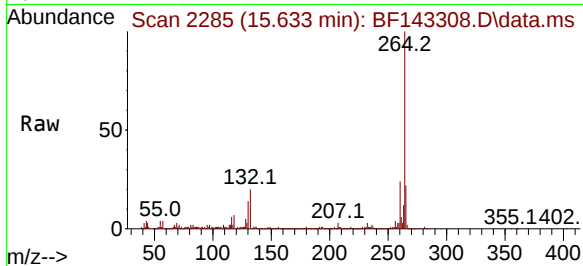




#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.633 min Scan# 21
 Delta R.T. 0.012 min
 Lab File: BF143308.D
 Acq: 05 Aug 2025 11:34

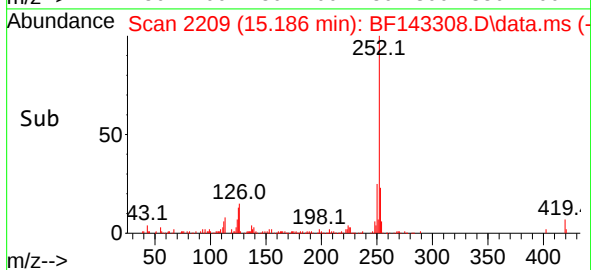
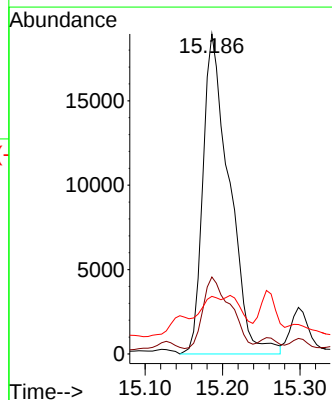
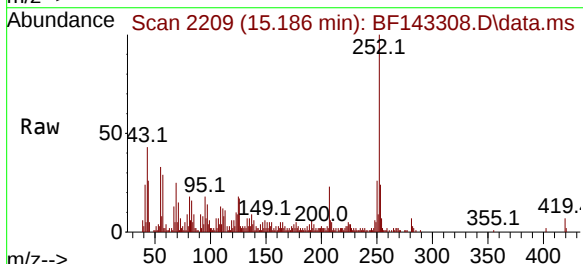
Instrument :
 BNA_F
 ClientSampleId :
 OU4-TS-GRILLO-OG2-073125

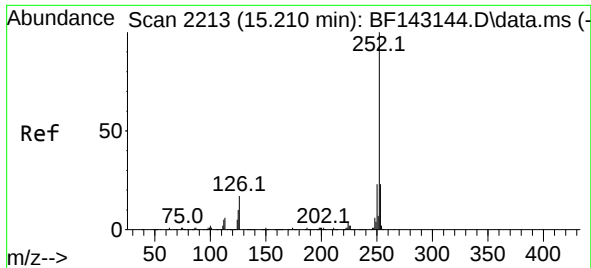
Tgt Ion:264 Resp: 241354
 Ion Ratio Lower Upper
 264 100
 260 23.6 18.5 27.7
 265 21.6 17.4 26.2



#88
 Benzo(b)fluoranthene
 Concen: 3.036 ng
 RT: 15.186 min Scan# 2209
 Delta R.T. 0.006 min
 Lab File: BF143308.D
 Acq: 05 Aug 2025 11:34

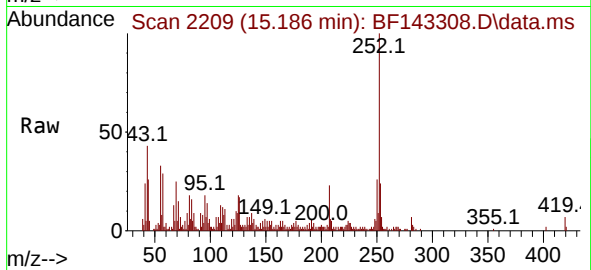
Tgt Ion:252 Resp: 44762
 Ion Ratio Lower Upper
 252 100
 253 24.1 17.5 26.3
 125 18.0 8.0 12.0#





#89
Benzo(k)fluoranthene
Concen: 3.402 ng
RT: 15.186 min Scan# 21
Delta R.T. -0.023 min
Lab File: BF143308.D
Acq: 05 Aug 2025 11:34

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-OG2-073125



Tgt Ion:	252	Resp:	44762
Ion Ratio	Lower	Upper	
252	100		
253	24.1	17.8	26.6
125	18.0	8.1	12.1#

