

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080525\
 Data File : BF143312.D
 Acq On : 05 Aug 2025 13:30
 Operator : RC/JU
 Sample : Q2747-09
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OU4-TS-GRILLO-TSCP02-073125

Quant Time: Aug 05 13:54:13 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)

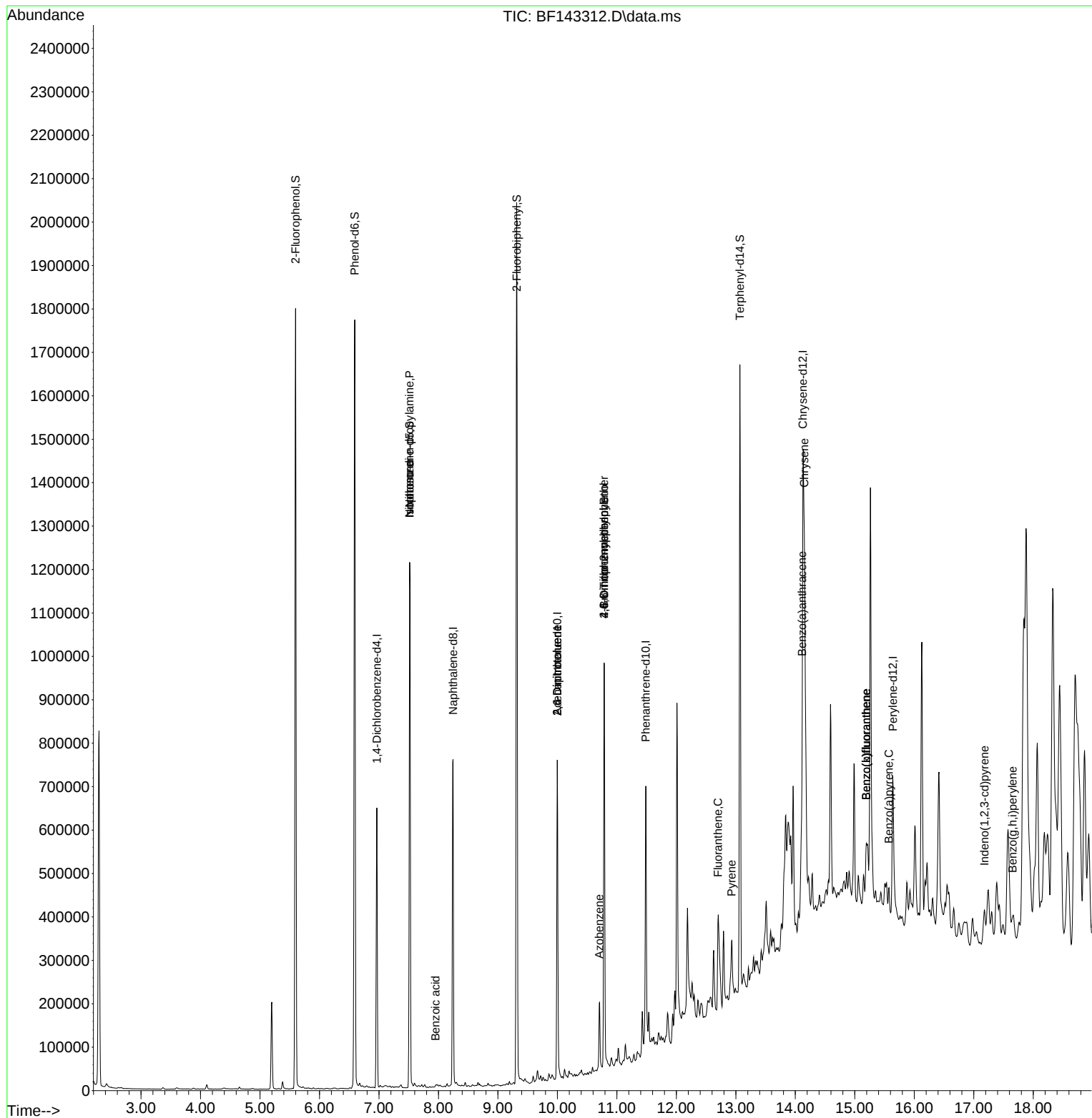
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.963	152	129316	20.000	ng	0.00
21) Naphthalene-d8	8.245	136	477216	20.000	ng	0.00
39) Acenaphthene-d10	9.998	164	212288	20.000	ng	0.00
64) Phenanthrene-d10	11.486	188	302538	20.000	ng	0.00
76) Chrysene-d12	14.127	240	244611	20.000	ng	0.00
86) Perylene-d12	15.639	264	192344	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.598	112	653373	79.954	ng	0.01
7) Phenol-d6	6.593	99	831785	80.868	ng	0.00
23) Nitrobenzene-d5	7.516	82	531378	55.504	ng	0.00
42) 2,4,6-Tribromophenol	10.786	330	158483	72.266	ng	0.00
45) 2-Fluorobiphenyl	9.316	172	890280	57.355	ng	0.00
79) Terphenyl-d14	13.069	244	692861	42.151	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.516	70	71329	10.809	ng	# 81
25) Isophorone	7.516	82	524291	31.022	ng	# 66
32) Benzoic acid	7.951	122	420	5.262	ng	# 66
51) 2,6-Dinitrotoluene	9.998	165	27752	9.859	ng	# 23
57) 2,4-Dinitrotoluene	9.998	165	27937	7.910	ng	# 21
63) Azobenzene	10.704	77	39420	2.765	ng	# 1
65) 4,6-Dinitro-2-methylph...	10.786	198	227	5.539	ng	# 1
67) 4-Bromophenyl-phenylether	10.786	248	9858	2.734	ng	# 1
75) Fluoranthene	12.698	202	80151	5.436	ng	97
78) Pyrene	12.927	202	70286	3.367	ng	97
81) Benzo(a)anthracene	14.116	228	50916	3.109	ng	# 91
83) Chrysene	14.151	228	61539	4.179	ng	# 93
87) Indeno(1,2,3-cd)pyrene	17.180	276	29680	2.188	ng	95
88) Benzo(b)fluoranthene	15.192	252	105580	8.985	ng	# 90
89) Benzo(k)fluoranthene	15.192	252	105580	10.069	ng	# 90
90) Benzo(a)pyrene	15.574	252	41615	3.844	ng	# 88
92) Benzo(g,h,i)perylene	17.651	276	28445	2.664	ng	# 87

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

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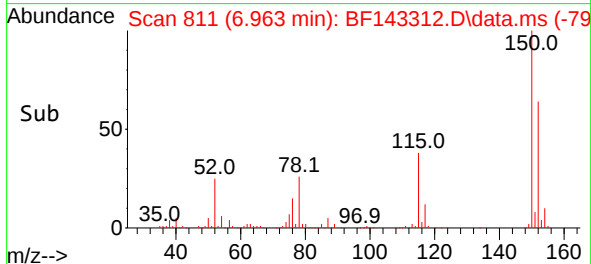
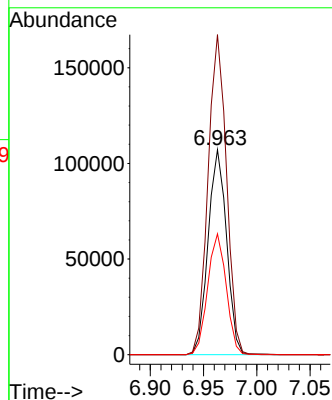
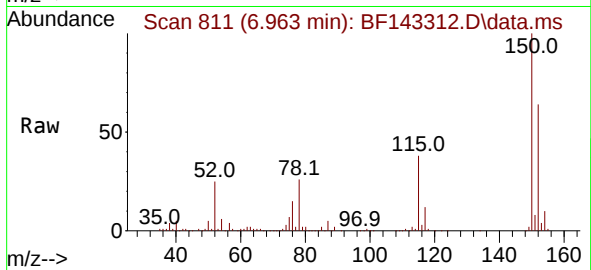




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.963 min Scan# 811
Delta R.T. 0.000 min
Lab File: BF143312.D
Acq: 05 Aug 2025 13:30

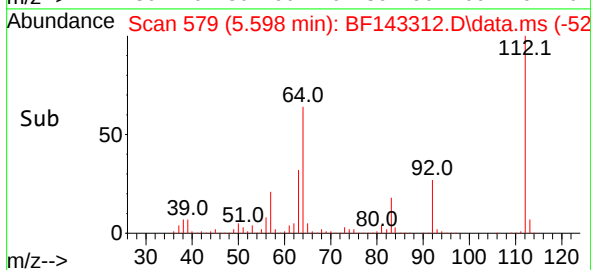
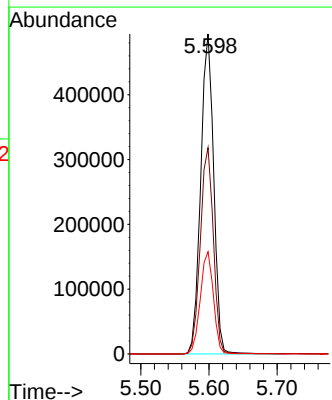
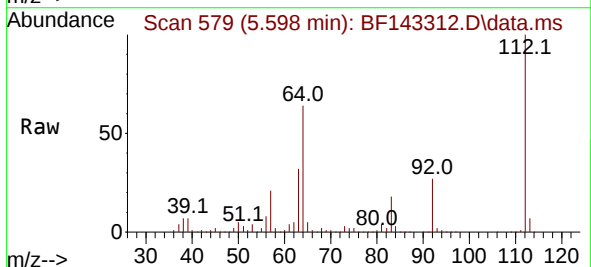
Instrument :
BNA_F
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OU4-TS-GRILLO-TSCP02-073125

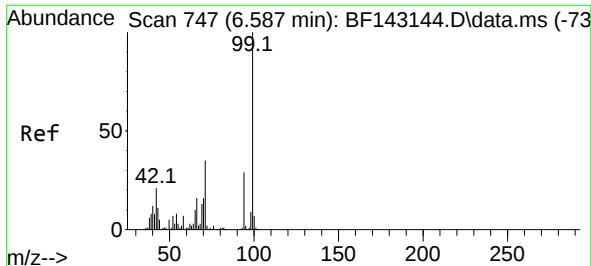
Tgt Ion:152 Resp: 129316
Ion Ratio Lower Upper
152 100
150 156.1 128.2 192.4
115 58.9 47.9 71.9



#5
2-Fluorophenol
Concen: 79.954 ng
RT: 5.598 min Scan# 579
Delta R.T. 0.012 min
Lab File: BF143312.D
Acq: 05 Aug 2025 13:30

Tgt Ion:112 Resp: 653373
Ion Ratio Lower Upper
112 100
64 64.4 53.1 79.7
63 32.0 26.6 40.0

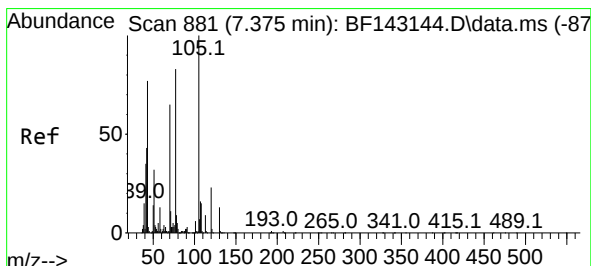
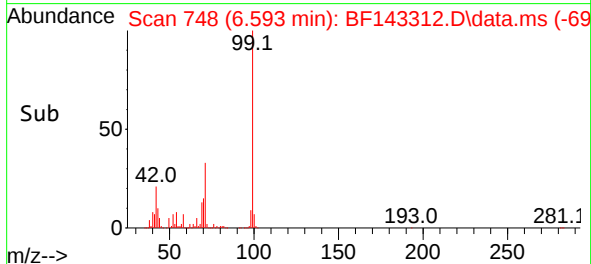
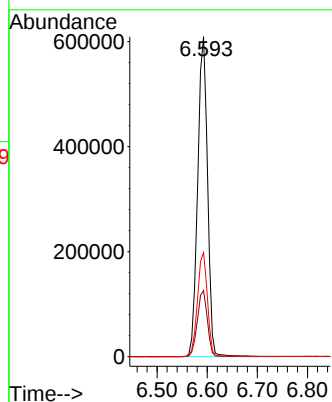
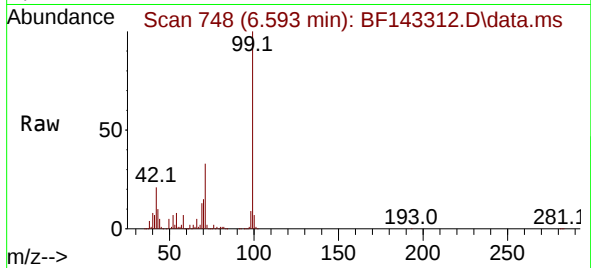




#7
Phenol-d6
Concen: 80.868 ng
RT: 6.593 min Scan# 74
Delta R.T. 0.006 min
Lab File: BF143312.D
Acq: 05 Aug 2025 13:30

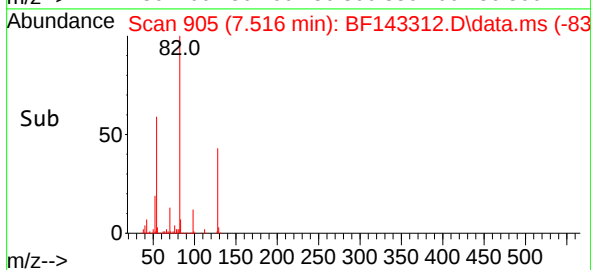
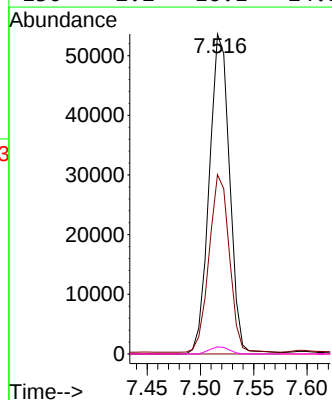
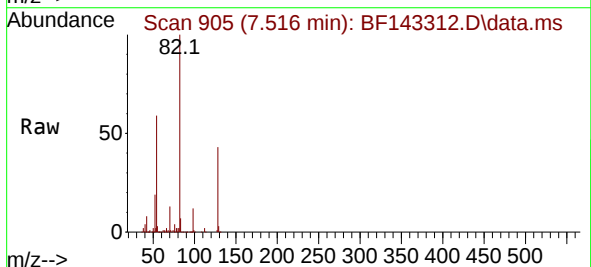
Instrument :
BNA_F
ClientSampleId :
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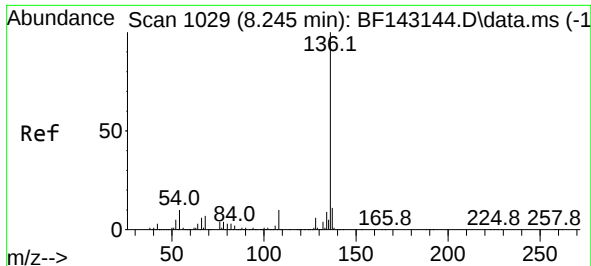
Tgt Ion: 99 Resp: 831785
Ion Ratio Lower Upper
99 100
42 20.6 17.0 25.6
71 32.6 27.7 41.5



#19
n-Nitroso-di-n-propylamine
Concen: 10.809 ng
RT: 7.516 min Scan# 905
Delta R.T. 0.141 min
Lab File: BF143312.D
Acq: 05 Aug 2025 13:30

Tgt Ion: 70 Resp: 71329
Ion Ratio Lower Upper
70 100
42 56.0 52.5 78.7
101 0.0 7.6 11.4#
130 2.2 16.1 24.1#

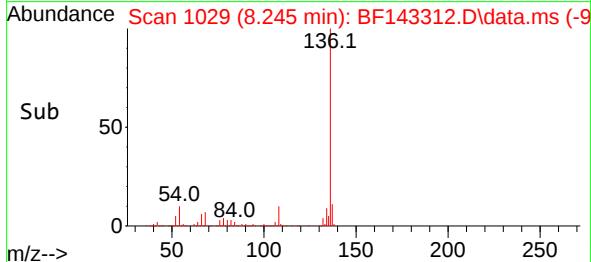
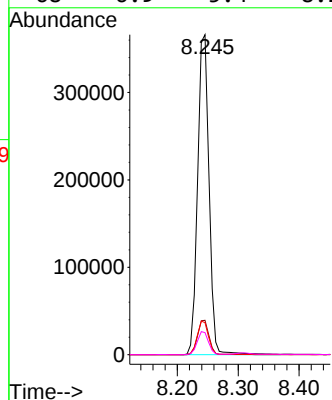
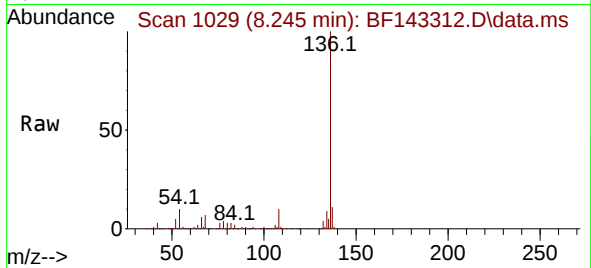




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.245 min Scan# 1029
Delta R.T. 0.000 min
Lab File: BF143312.D
Acq: 05 Aug 2025 13:30

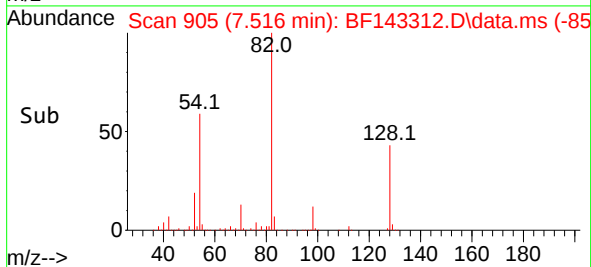
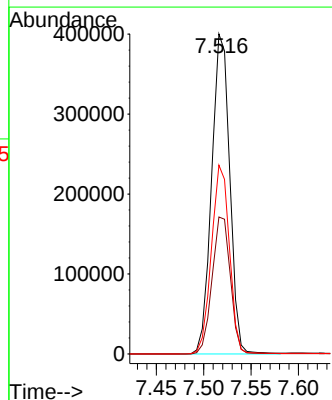
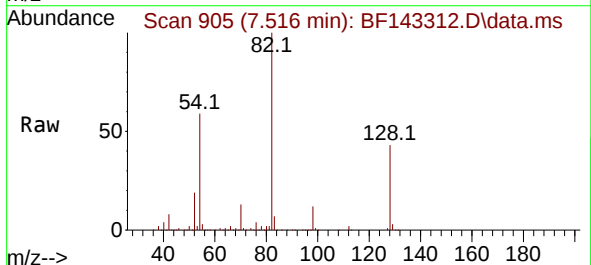
Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP02-073125

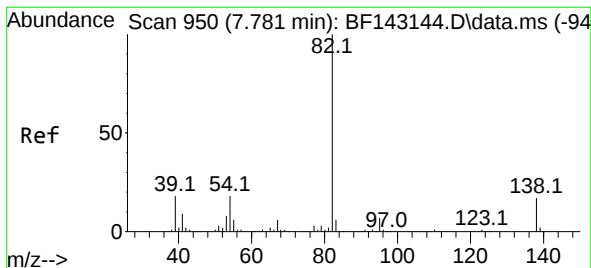
Tgt Ion:	136	Resp:	477216
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.6	13.0
54	10.0	8.2	12.2
68	6.9	5.4	8.2



#23
Nitrobenzene-d5
Concen: 55.504 ng
RT: 7.516 min Scan# 905
Delta R.T. -0.006 min
Lab File: BF143312.D
Acq: 05 Aug 2025 13:30

Tgt Ion:	82	Resp:	531378
Ion	Ratio	Lower	Upper
82	100		
128	42.8	33.6	50.4
54	59.0	47.1	70.7





#25

Isophorone

Concen: 31.022 ng

RT: 7.516 min Scan# 90

Delta R.T. -0.265 min

Lab File: BF143312.D

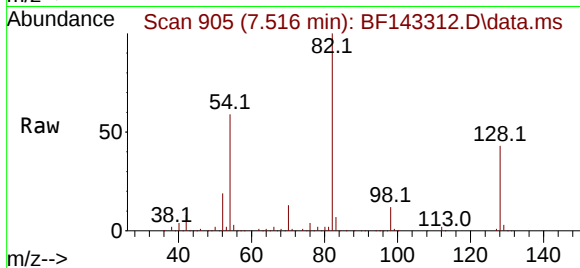
Acq: 05 Aug 2025 13:30

Instrument :

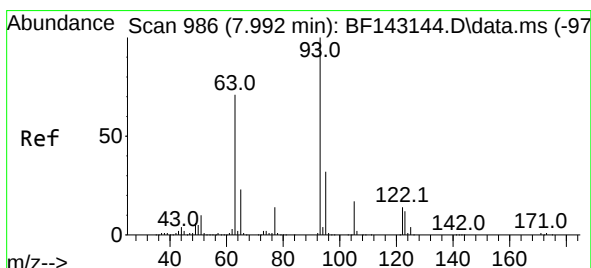
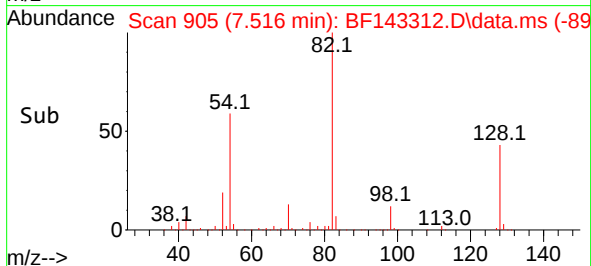
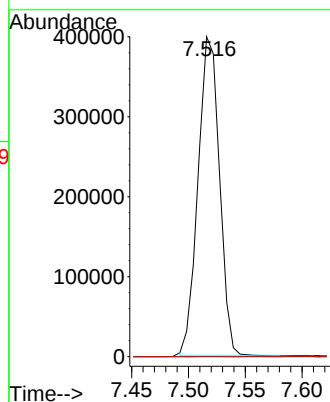
BNA_F

ClientSampleId :

OU4-TS-GRILLO-TSCP02-073125



Tgt Ion:	82	Resp:	524291
Ion Ratio	Lower	Upper	
82	100		
95	0.0	5.5	8.3#
138	0.0	13.8	20.8#



#32

Benzoic acid

Concen: 5.262 ng

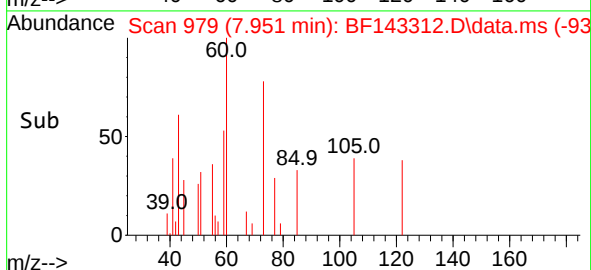
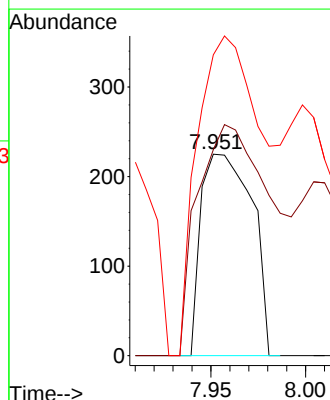
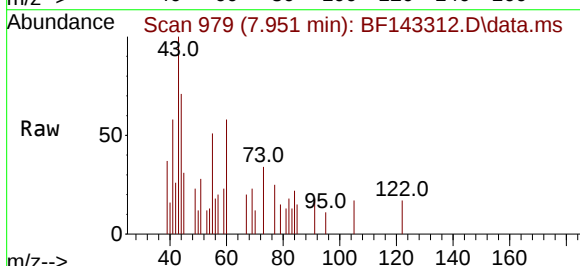
RT: 7.951 min Scan# 979

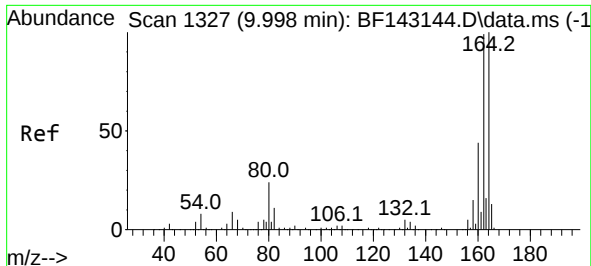
Delta R.T. -0.041 min

Lab File: BF143312.D

Acq: 05 Aug 2025 13:30

Tgt Ion:	122	Resp:	420
Ion Ratio	Lower	Upper	
122	100		
105	102.2	104.8	144.8#
77	149.3	77.6	117.6#

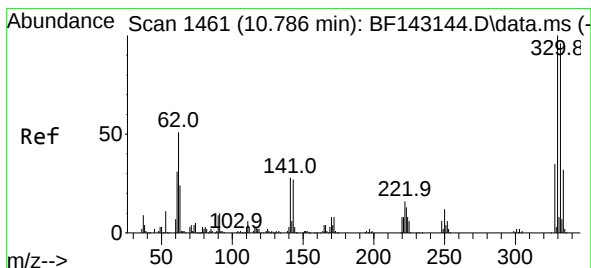
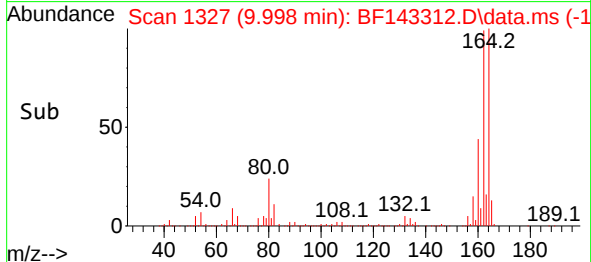
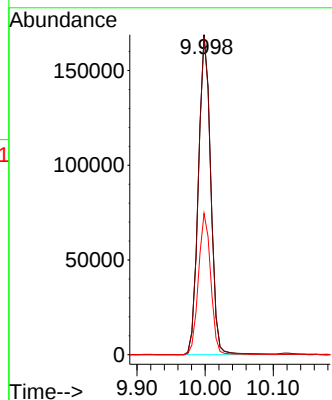
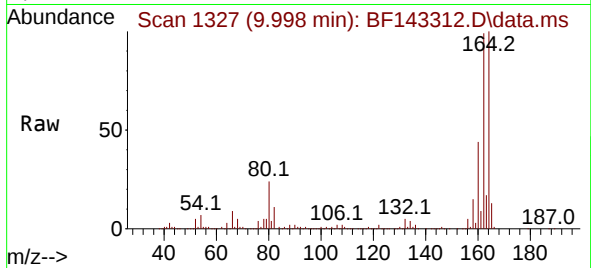




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.998 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF143312.D
Acq: 05 Aug 2025 13:30

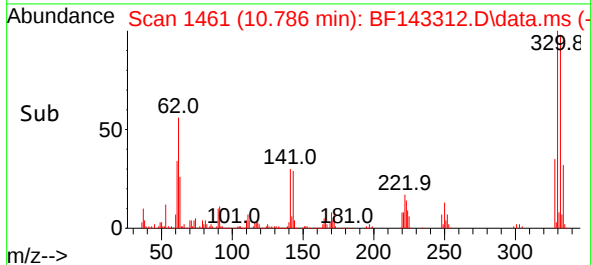
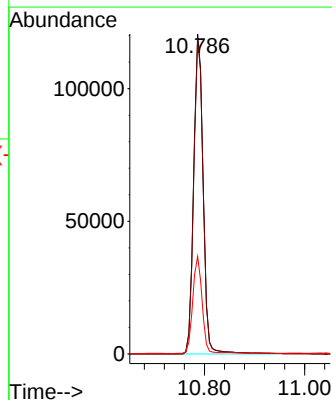
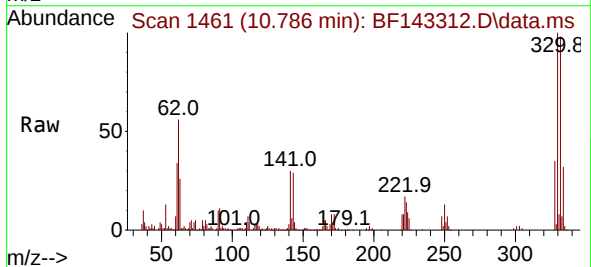
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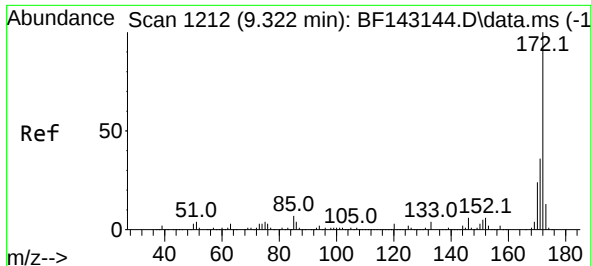
Tgt Ion:164 Resp: 212288
Ion Ratio Lower Upper
164 100
162 99.5 79.0 118.6
160 44.1 35.1 52.7



#42
2,4,6-Tribromophenol
Concen: 72.266 ng
RT: 10.786 min Scan# 1461
Delta R.T. 0.000 min
Lab File: BF143312.D
Acq: 05 Aug 2025 13:30

Tgt Ion:330 Resp: 158483
Ion Ratio Lower Upper
330 100
332 98.1 76.7 115.1
141 29.7 23.3 34.9

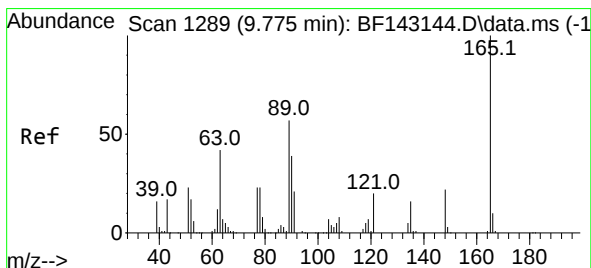
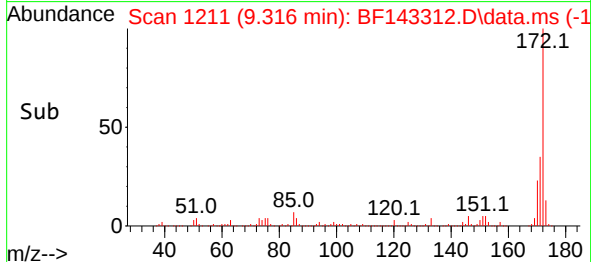
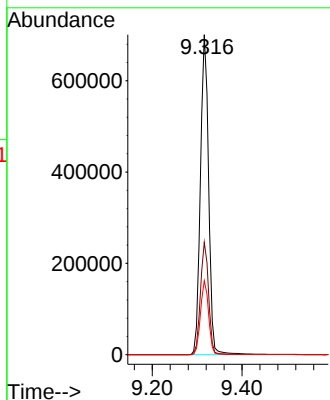
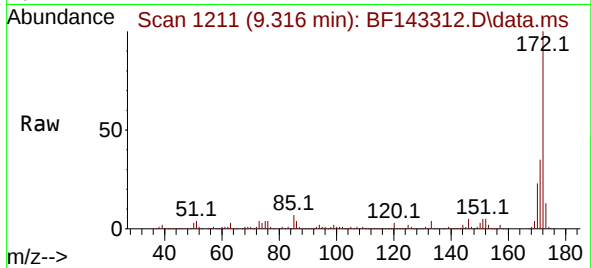




#45
2-Fluorobiphenyl
Concen: 57.355 ng
RT: 9.316 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143312.D
Acq: 05 Aug 2025 13:30

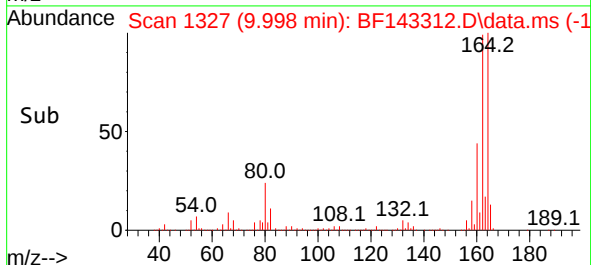
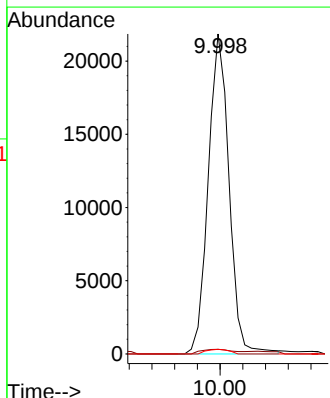
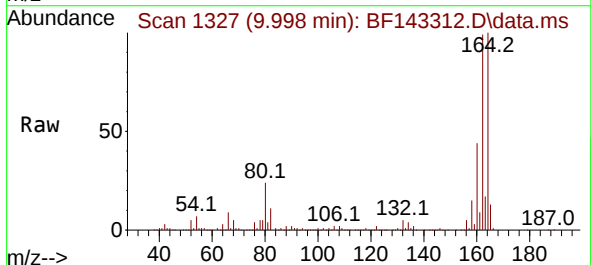
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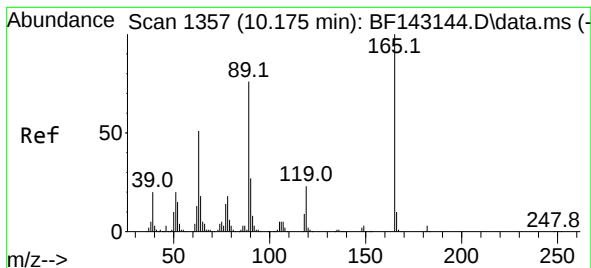
Tgt Ion:172 Resp: 890280
Ion Ratio Lower Upper
172 100
171 35.2 28.6 42.8
170 23.1 18.8 28.2



#51
2,6-Dinitrotoluene
Concen: 9.859 ng
RT: 9.998 min Scan# 1327
Delta R.T. 0.224 min
Lab File: BF143312.D
Acq: 05 Aug 2025 13:30

Tgt Ion:165 Resp: 27752
Ion Ratio Lower Upper
165 100
63 1.5 49.4 74.2#
89 1.5 46.2 69.2#

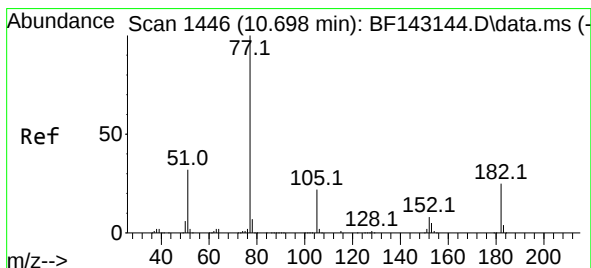
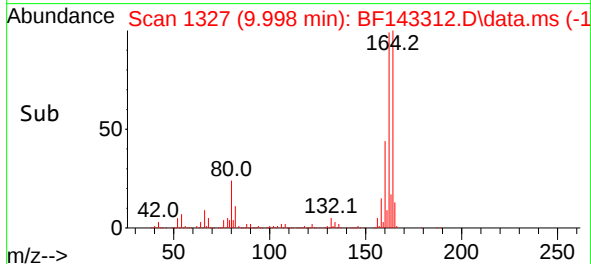
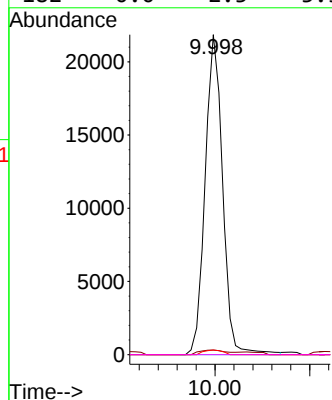
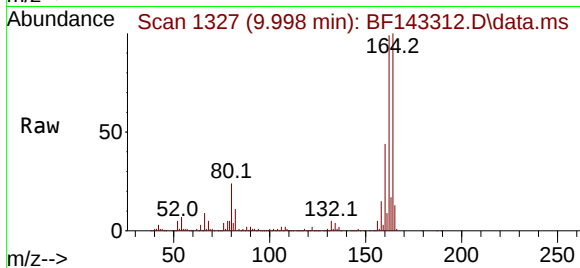




#57
2,4-Dinitrotoluene
Concen: 7.910 ng
RT: 9.998 min Scan# 11
Delta R.T. -0.176 min
Lab File: BF143312.D
Acq: 05 Aug 2025 13:30

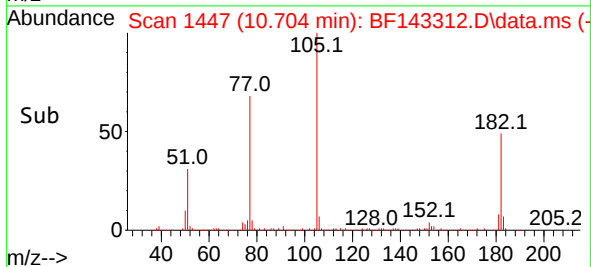
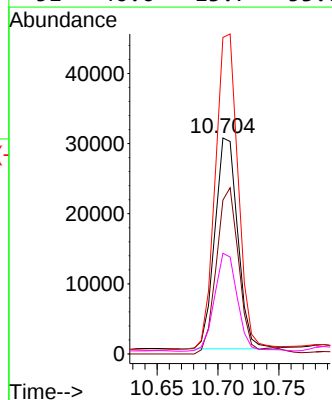
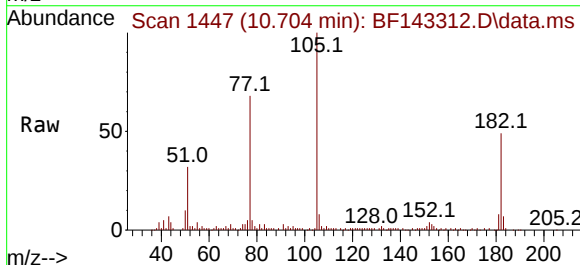
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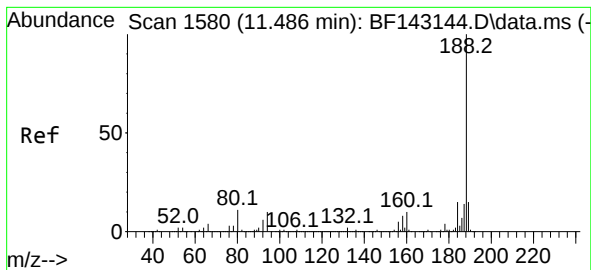
Tgt Ion:165 Resp: 27937
Ion Ratio Lower Upper
165 100
63 1.5 41.0 61.4#
89 1.5 61.1 91.7#
182 0.0 2.3 3.5#



#63
Azobenzene
Concen: 2.765 ng
RT: 10.704 min Scan# 1447
Delta R.T. 0.006 min
Lab File: BF143312.D
Acq: 05 Aug 2025 13:30

Tgt Ion: 77 Resp: 39420
Ion Ratio Lower Upper
77 100
182 71.3 4.6 44.6#
105 146.5 1.4 41.4#
51 46.6 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: BF143312.D

Acq: 05 Aug 2025 13:30

Instrument :

BNA_F

ClientSampleId :

OU4-TS-GRILLO-TSCP02-073125

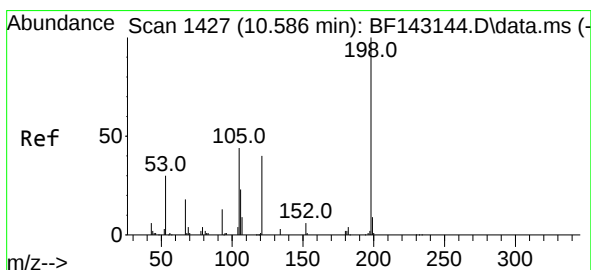
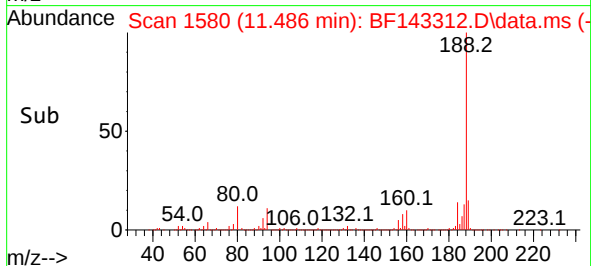
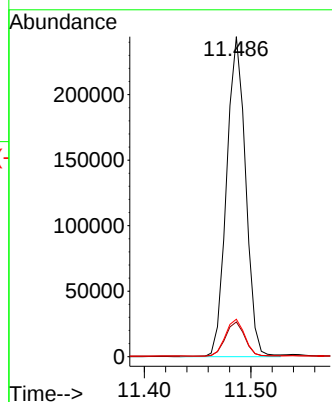
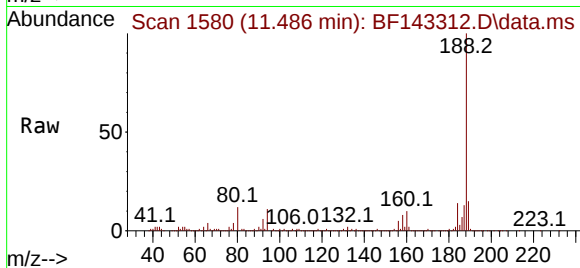
Tgt Ion:188 Resp: 302538

Ion Ratio Lower Upper

188 100

94 10.9 8.3 12.5

80 11.7 9.0 13.6



#65

4,6-Dinitro-2-methylphenol

Concen: 5.539 ng

RT: 10.786 min Scan# 1461

Delta R.T. 0.200 min

Lab File: BF143312.D

Acq: 05 Aug 2025 13:30

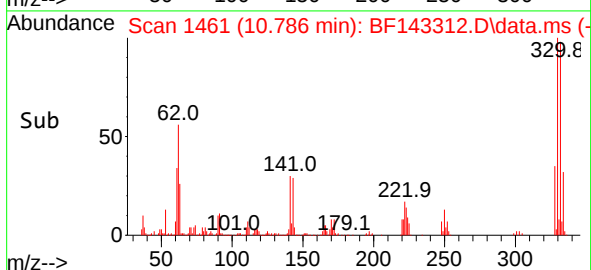
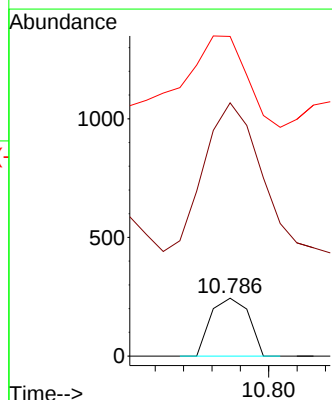
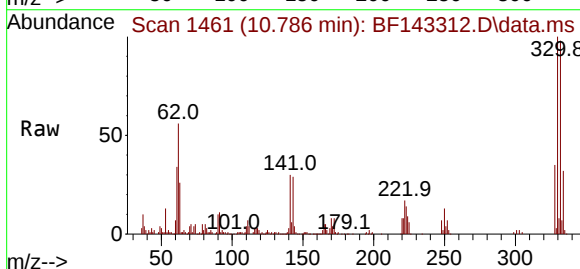
Tgt Ion:198 Resp: 227

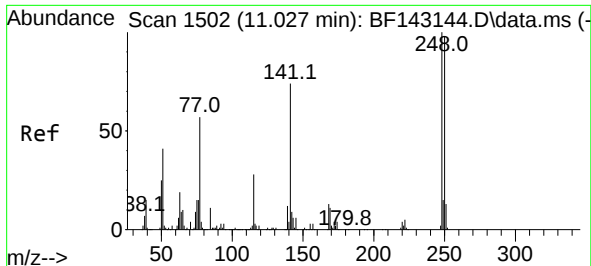
Ion Ratio Lower Upper

198 100

51 437.3 37.2 77.2#

105 552.0 24.8 64.8#

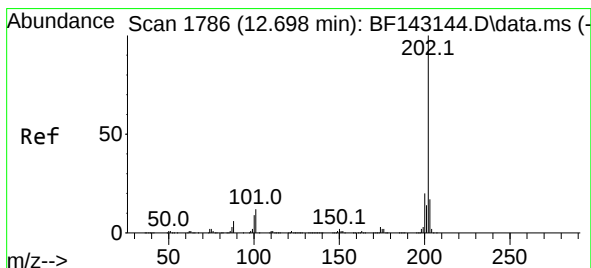
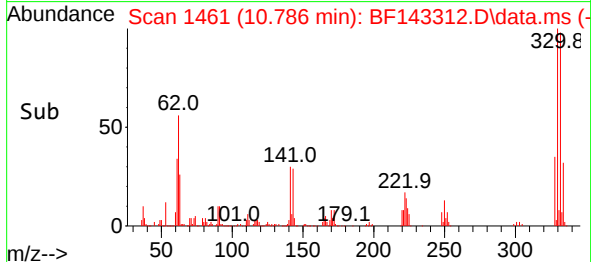
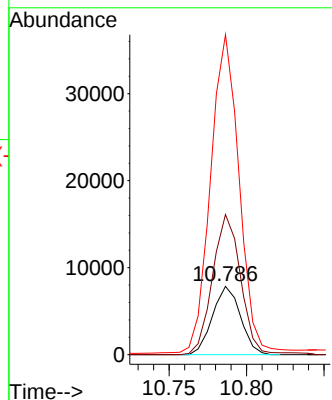
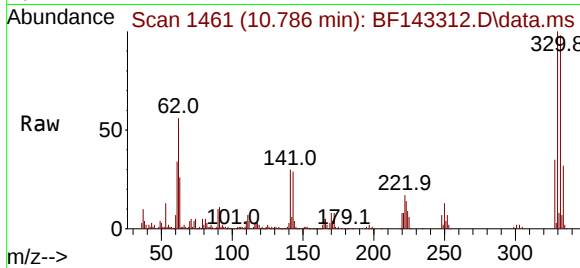




#67
4-Bromophenyl-phenylether
Concen: 2.734 ng
RT: 10.786 min Scan# 1461
Delta R.T. -0.241 min
Lab File: BF143312.D
Acq: 05 Aug 2025 13:30

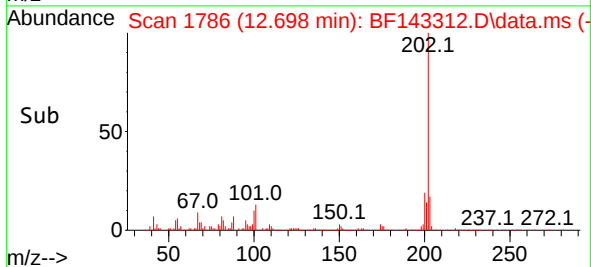
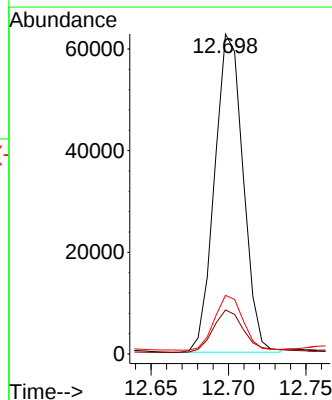
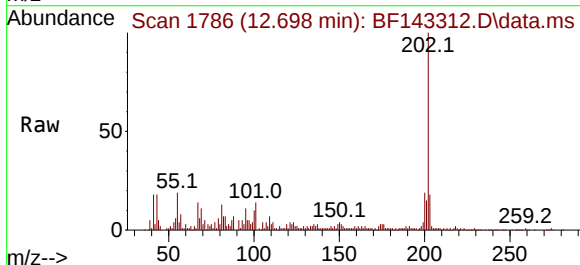
Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP02-073125

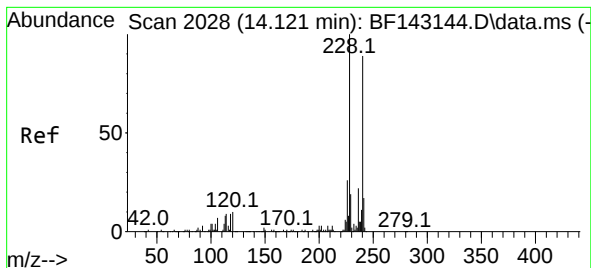
Tgt Ion:248 Resp: 9858
Ion Ratio Lower Upper
248 100
250 204.9 78.3 117.5#
141 467.9 59.2 88.8#



#75
Fluoranthene
Concen: 5.436 ng
RT: 12.698 min Scan# 1786
Delta R.T. 0.000 min
Lab File: BF143312.D
Acq: 05 Aug 2025 13:30

Tgt Ion:202 Resp: 80151
Ion Ratio Lower Upper
202 100
101 13.7 0.0 31.7
203 18.3 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: BF143312.D

Acq: 05 Aug 2025 13:30

Instrument :

BNA_F

ClientSampleId :

OU4-TS-GRILLO-TSCP02-073125

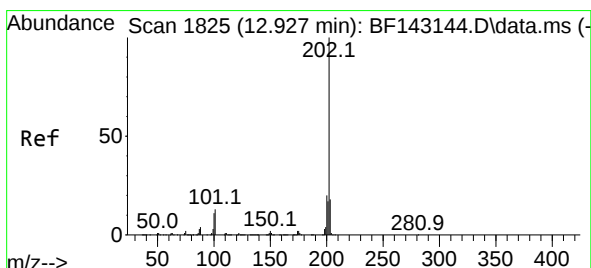
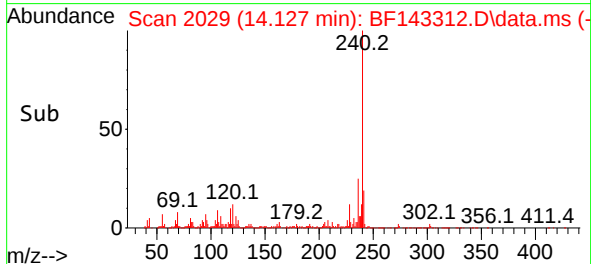
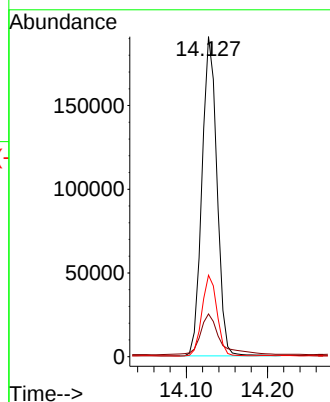
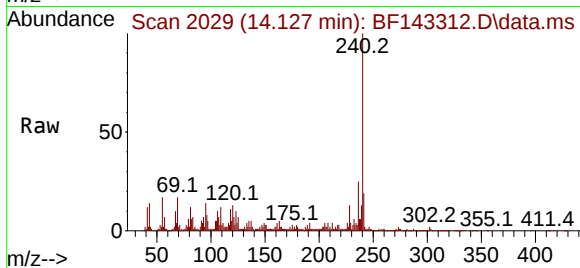
Tgt Ion:240 Resp: 244611

Ion Ratio Lower Upper

240 100

120 13.4 9.4 14.2

236 25.5 20.2 30.4



#78

Pyrene

Concen: 3.367 ng

RT: 12.927 min Scan# 1825

Delta R.T. 0.000 min

Lab File: BF143312.D

Acq: 05 Aug 2025 13:30

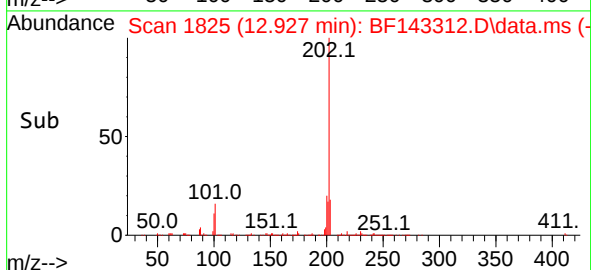
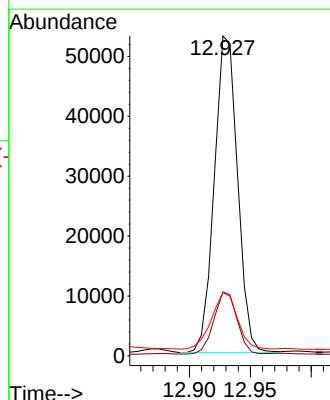
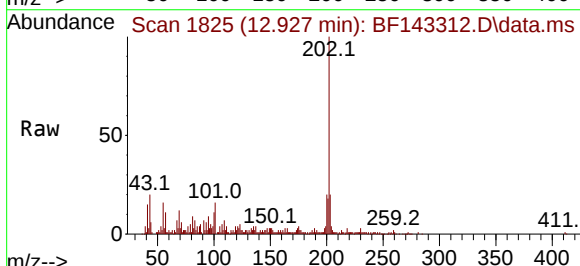
Tgt Ion:202 Resp: 70286

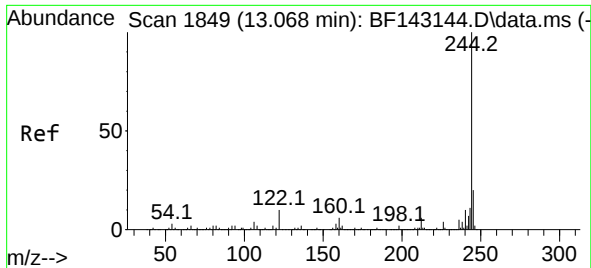
Ion Ratio Lower Upper

202 100

200 20.0 15.7 23.5

203 19.9 14.2 21.2

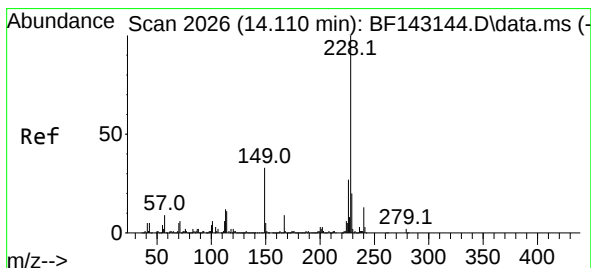
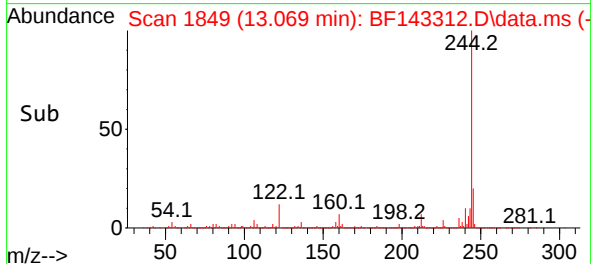
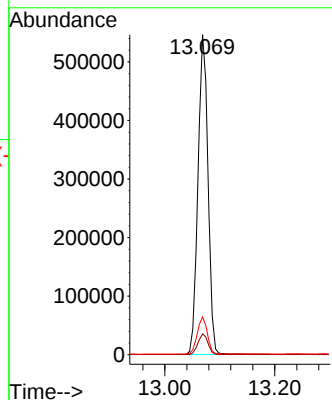
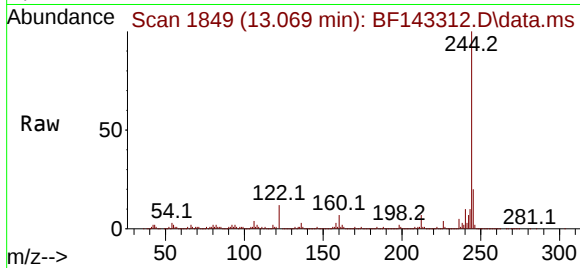




#79
 Terphenyl-d14
 Concen: 42.151 ng
 RT: 13.069 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: BF143312.D
 Acq: 05 Aug 2025 13:30

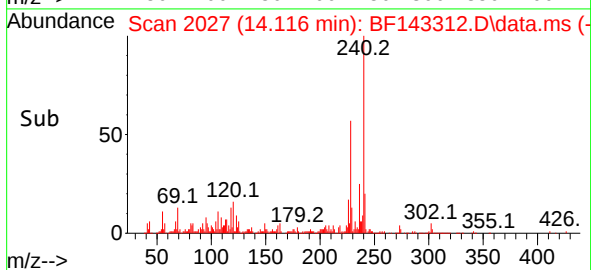
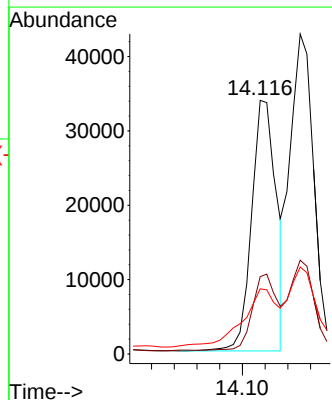
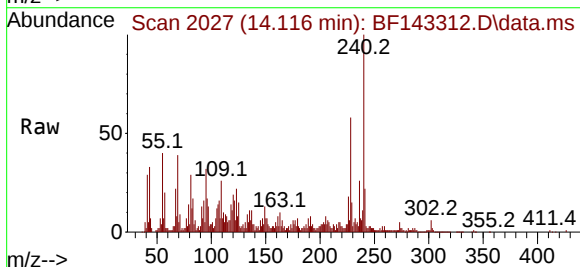
Instrument :
 BNA_F
 ClientSampleId :
 OU4-TS-GRILLO-TSCP02-073125

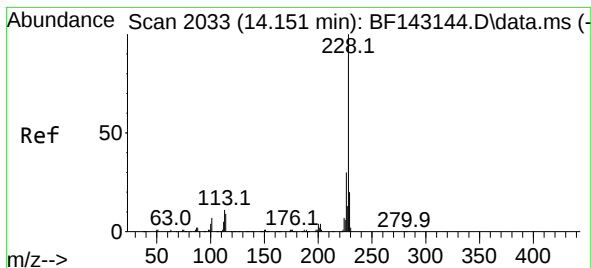
Tgt Ion:244 Resp: 692861
 Ion Ratio Lower Upper
 244 100
 212 6.5 5.2 7.8
 122 11.8 8.2 12.2



#81
 Benzo(a)anthracene
 Concen: 3.109 ng
 RT: 14.116 min Scan# 2027
 Delta R.T. 0.006 min
 Lab File: BF143312.D
 Acq: 05 Aug 2025 13:30

Tgt Ion:228 Resp: 50916
 Ion Ratio Lower Upper
 228 100
 226 30.5 21.7 32.5
 229 25.7 15.8 23.6#





#83

Chrysene

Concen: 4.179 ng

RT: 14.151 min Scan# 2033

Delta R.T. 0.000 min

Lab File: BF143312.D

Acq: 05 Aug 2025 13:30

Instrument :

BNA_F

ClientSampleId :

OU4-TS-GRILLO-TSCP02-073125

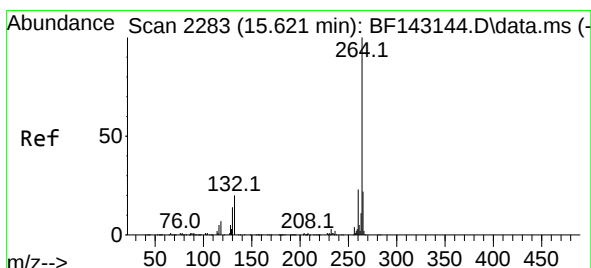
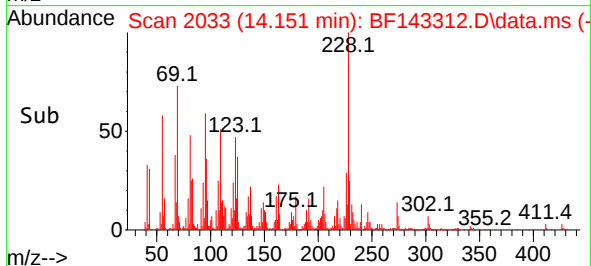
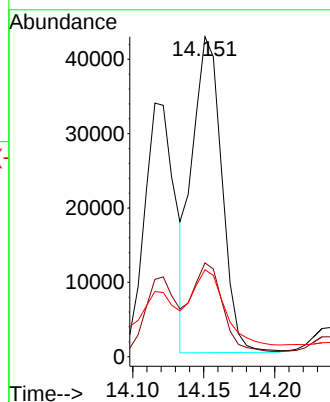
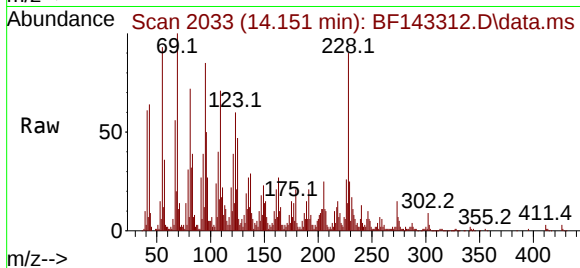
Tgt Ion:228 Resp: 61539

Ion Ratio Lower Upper

228 100

226 29.3 23.8 35.8

229 27.2 15.6 23.4#



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.639 min Scan# 2286

Delta R.T. 0.018 min

Lab File: BF143312.D

Acq: 05 Aug 2025 13:30

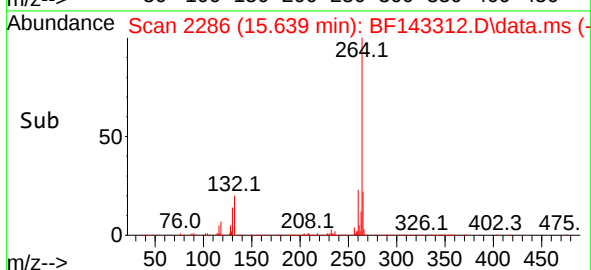
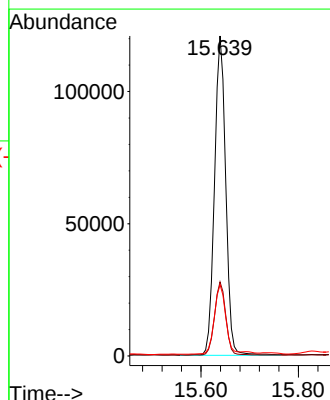
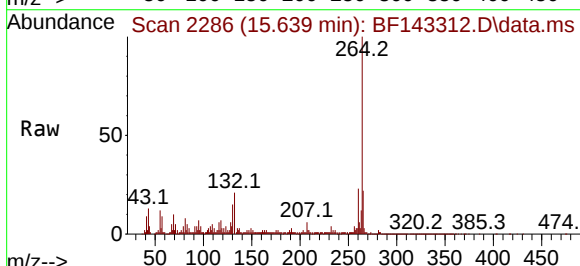
Tgt Ion:264 Resp: 192344

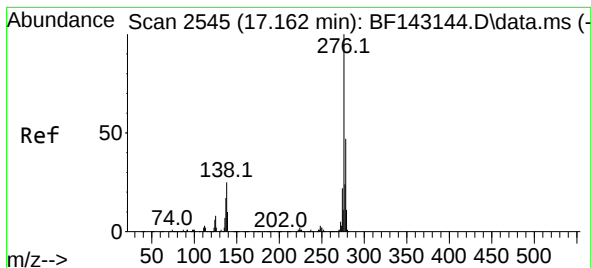
Ion Ratio Lower Upper

264 100

260 23.2 18.5 27.7

265 22.2 17.4 26.2





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.188 ng

RT: 17.180 min Scan# 21

Delta R.T. 0.018 min

Lab File: BF143312.D

Acq: 05 Aug 2025 13:30

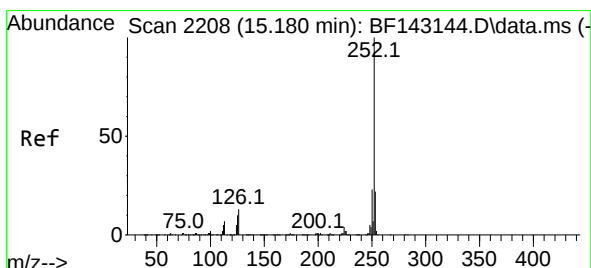
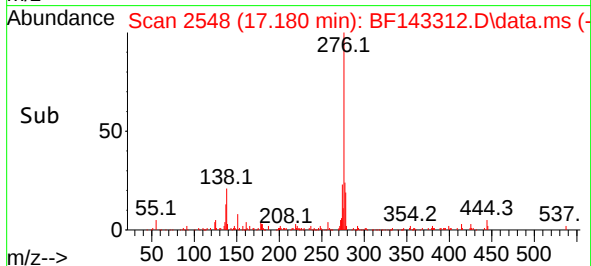
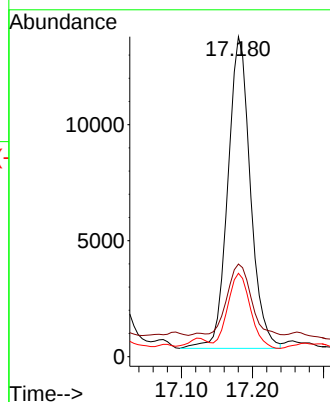
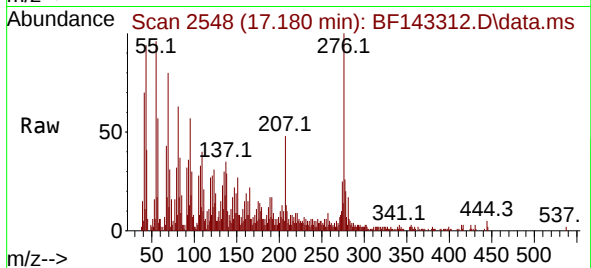
Instrument :

BNA_F

ClientSampleId :

OU4-TS-GRILLO-TSCP02-073125

Tgt Ion:	276	Resp:	29680
Ion Ratio	Lower	Upper	
276	100		
138	23.5	21.8	32.6
277	24.1	20.0	30.0



#88

Benzo(b)fluoranthene

Concen: 8.985 ng

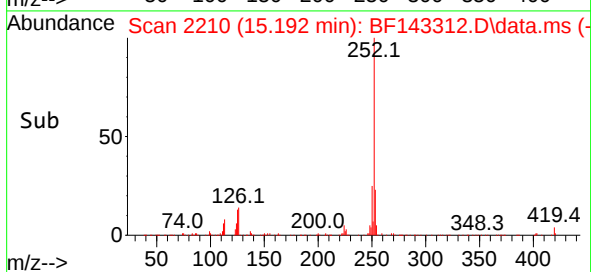
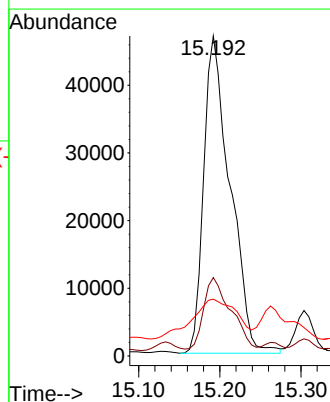
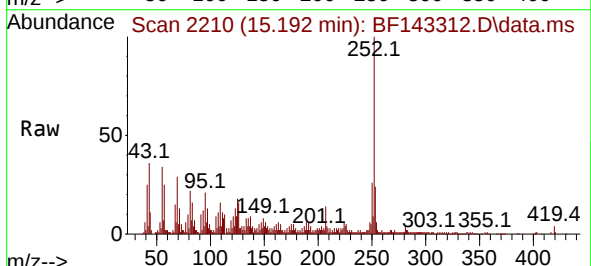
RT: 15.192 min Scan# 2210

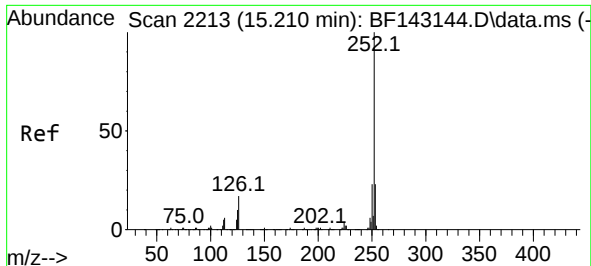
Delta R.T. 0.012 min

Lab File: BF143312.D

Acq: 05 Aug 2025 13:30

Tgt Ion:	252	Resp:	105580
Ion Ratio	Lower	Upper	
252	100		
253	24.5	17.5	26.3
125	17.8	8.0	12.0

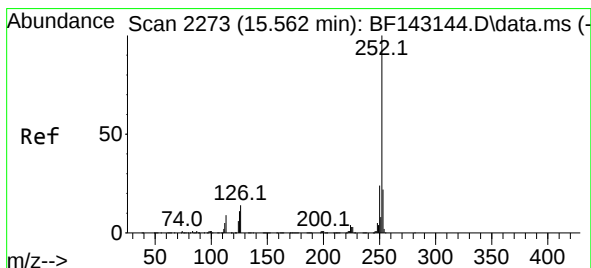
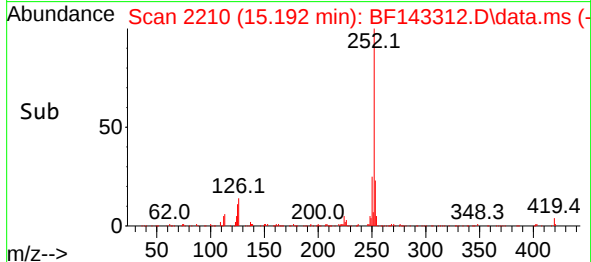
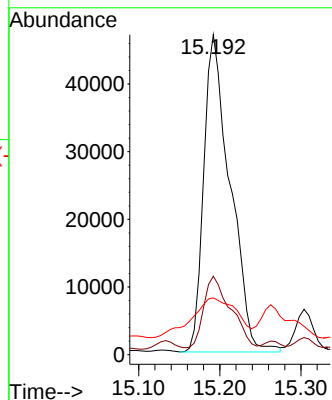
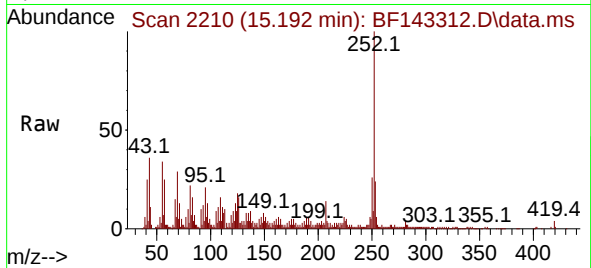




#89
Benzo(k)fluoranthene
Concen: 10.069 ng
RT: 15.192 min Scan# 21
Delta R.T. -0.018 min
Lab File: BF143312.D
Acq: 05 Aug 2025 13:30

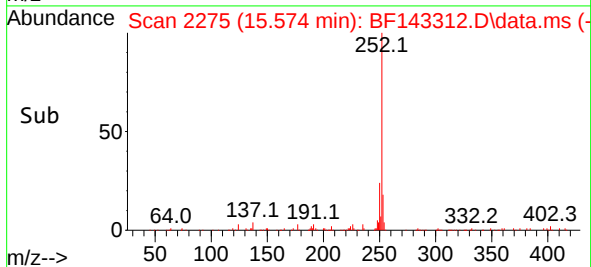
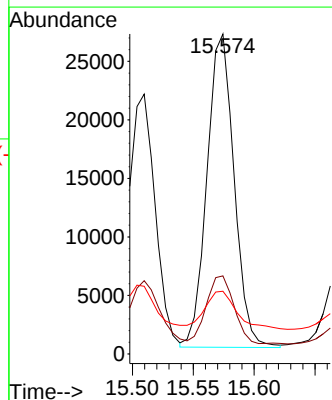
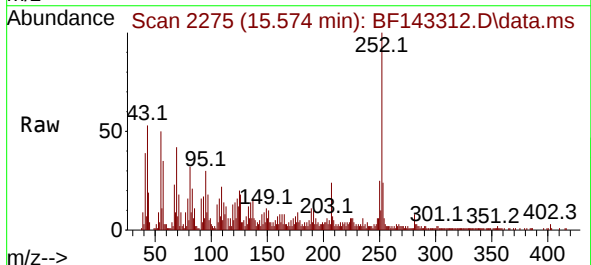
Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP02-073125

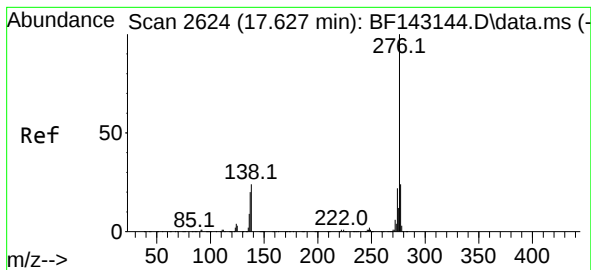
Tgt Ion:252 Resp: 105580
Ion Ratio Lower Upper
252 100
253 24.5 17.8 26.6
125 17.8 8.1 12.1#



#90
Benzo(a)pyrene
Concen: 3.844 ng
RT: 15.574 min Scan# 2275
Delta R.T. 0.012 min
Lab File: BF143312.D
Acq: 05 Aug 2025 13:30

Tgt Ion:252 Resp: 41615
Ion Ratio Lower Upper
252 100
253 24.4 17.3 25.9
125 19.6 8.6 13.0#





#92

Benzo(g,h,i)perylene

Concen: 2.664 ng

RT: 17.651 min Scan# 20

Delta R.T. 0.024 min

Lab File: BF143312.D

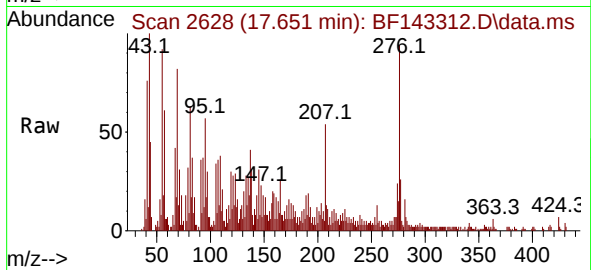
Acq: 05 Aug 2025 13:30

Instrument :

BNA_F

ClientSampleId :

OU4-TS-GRILLO-TSCP02-073125



Tgt Ion:276 Resp: 28445

Ion Ratio Lower Upper

276 100

277 27.7 19.1 28.7

138 32.8 18.9 28.3#

