

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080525\
 Data File : BF143310.D
 Acq On : 05 Aug 2025 12:32
 Operator : RC/JU
 Sample : Q2747-05
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OU4-TS-GRILLO-OG4-073125

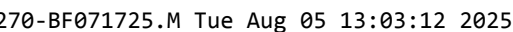
Quant Time: Aug 05 13:02:19 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 17 15:14:05 2025
 Response via : Initial Calibration

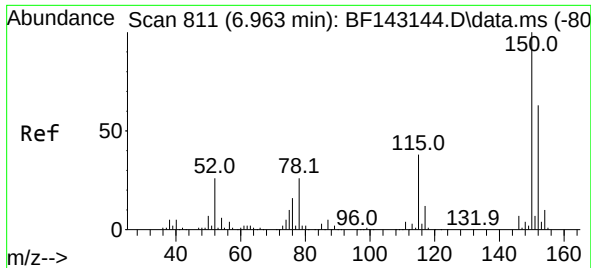
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.963	152	124773	20.000	ng	0.00
21) Naphthalene-d8	8.239	136	460606	20.000	ng	0.00
39) Acenaphthene-d10	9.998	164	207758	20.000	ng	0.00
64) Phenanthrene-d10	11.486	188	287499	20.000	ng	0.00
76) Chrysene-d12	14.127	240	255841	20.000	ng	0.00
86) Perylene-d12	15.633	264	223867	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.598	112	673630	85.435	ng	0.01
7) Phenol-d6	6.587	99	854416	86.093	ng	0.00
23) Nitrobenzene-d5	7.516	82	544747	58.953	ng	0.00
42) 2,4,6-Tribromophenol	10.786	330	160898	74.967	ng	0.00
45) 2-Fluorobiphenyl	9.316	172	896404	59.008	ng	0.00
79) Terphenyl-d14	13.068	244	677203	39.390	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.516	70	73535	11.549	ng	# 79
25) Isophorone	7.516	82	538385	33.005	ng	# 66
51) 2,6-Dinitrotoluene	9.998	165	26387	9.578	ng	# 23
57) 2,4-Dinitrotoluene	9.998	165	26491	7.665	ng	# 21
63) Azobenzene	10.704	77	39877	2.858	ng	# 1
65) 4,6-Dinitro-2-methylph...	10.786	198	249	5.559	ng	# 1
67) 4-Bromophenyl-phenylether	10.786	248	10010	2.922	ng	# 1
75) Fluoranthene	12.698	202	38376	2.739	ng	96
88) Benzo(b)fluoranthene	15.186	252	34526	2.525	ng	# 85
89) Benzo(k)fluoranthene	15.186	252	34526	2.829	ng	# 86

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

Quant Time: Aug 05 13:02:19 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

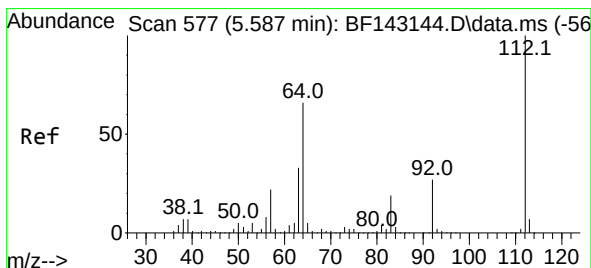
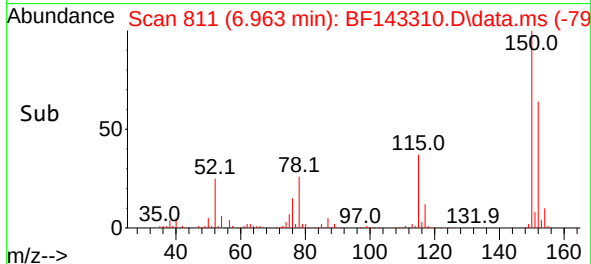
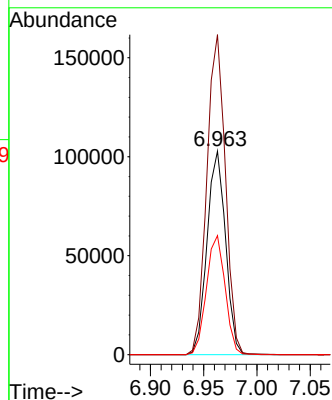
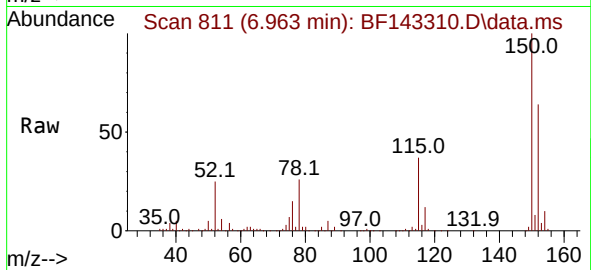




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.963 min Scan# 811
Delta R.T. -0.000 min
Lab File: BF143310.D
Acq: 05 Aug 2025 12:32

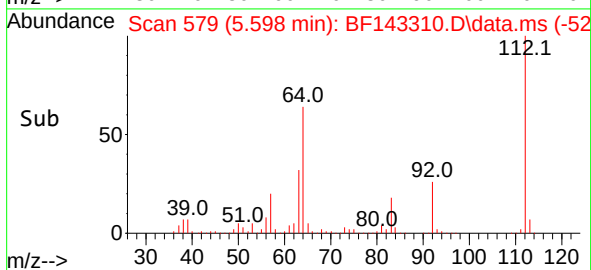
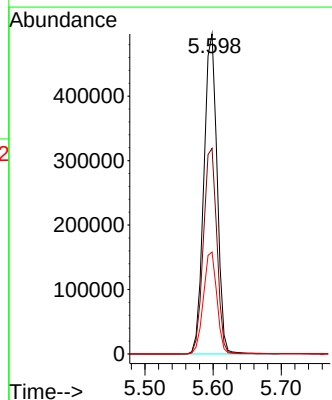
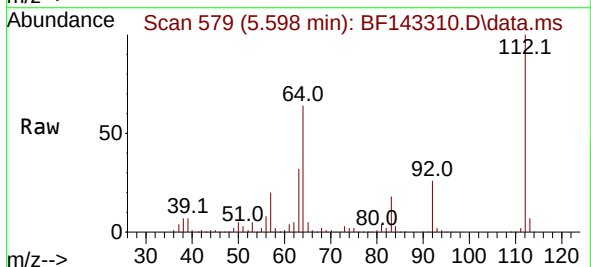
Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-OG4-073125

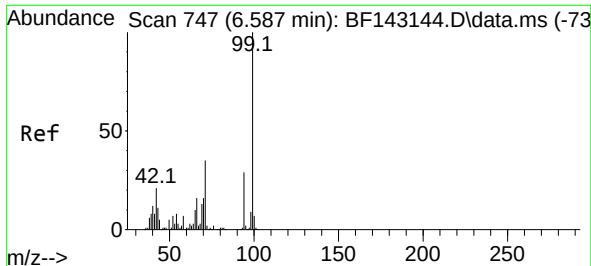
Tgt Ion:152 Resp: 124773
Ion Ratio Lower Upper
152 100
150 157.2 128.2 192.4
115 58.5 47.9 71.9



#5
2-Fluorophenol
Concen: 85.435 ng
RT: 5.598 min Scan# 579
Delta R.T. 0.012 min
Lab File: BF143310.D
Acq: 05 Aug 2025 12:32

Tgt Ion:112 Resp: 673630
Ion Ratio Lower Upper
112 100
64 64.2 53.1 79.7
63 31.9 26.6 40.0

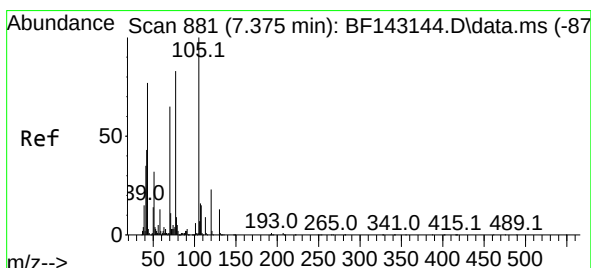
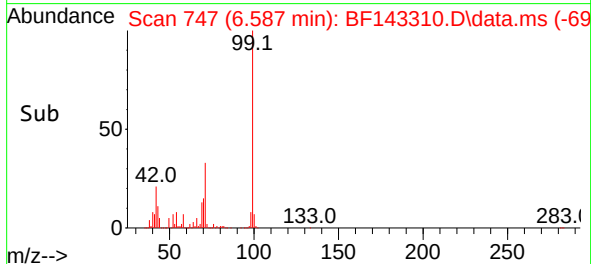
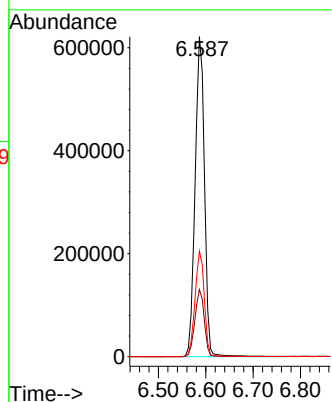
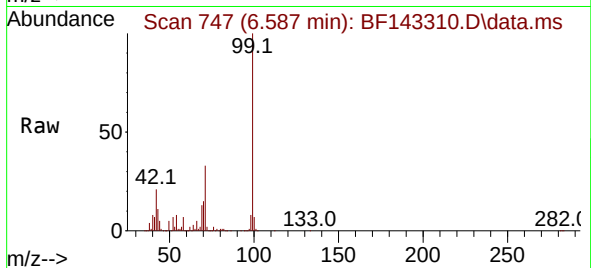




#7
Phenol-d6
Concen: 86.093 ng
RT: 6.587 min Scan# 747
Delta R.T. -0.000 min
Lab File: BF143310.D
Acq: 05 Aug 2025 12:32

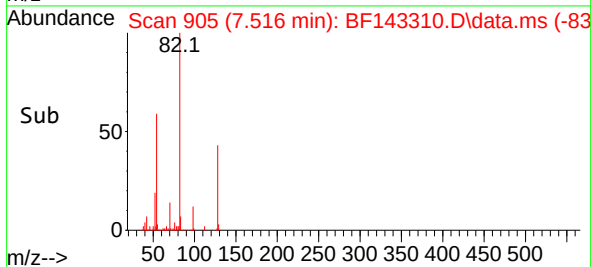
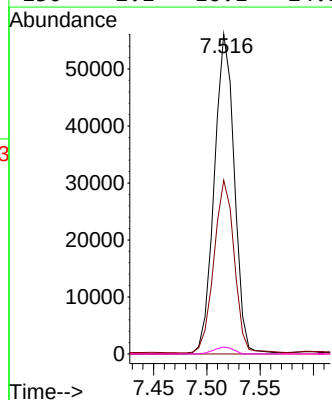
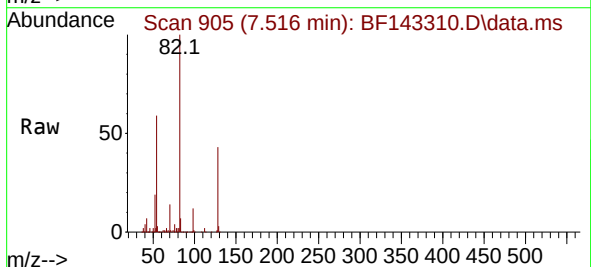
Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-OG4-073125

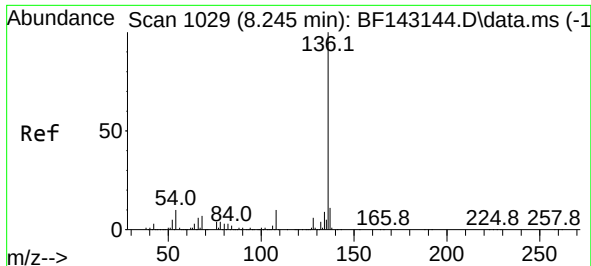
Tgt Ion: 99 Resp: 854416
Ion Ratio Lower Upper
99 100
42 21.0 17.0 25.6
71 33.0 27.7 41.5



#19
n-Nitroso-di-n-propylamine
Concen: 11.549 ng
RT: 7.516 min Scan# 905
Delta R.T. 0.141 min
Lab File: BF143310.D
Acq: 05 Aug 2025 12:32

Tgt Ion: 70 Resp: 73535
Ion Ratio Lower Upper
70 100
42 54.3 52.5 78.7
101 0.0 7.6 11.4#
130 2.1 16.1 24.1#

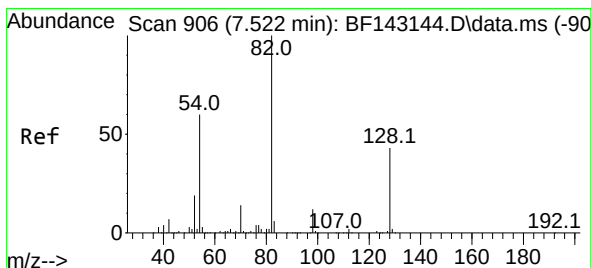
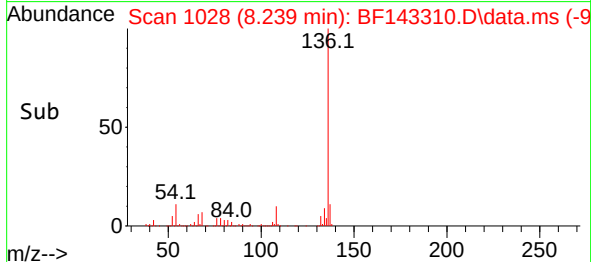
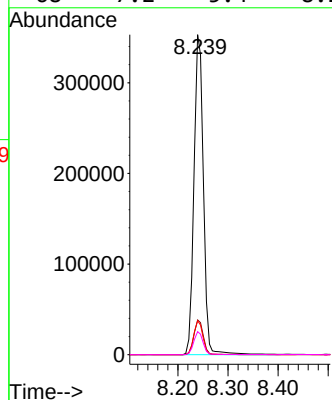
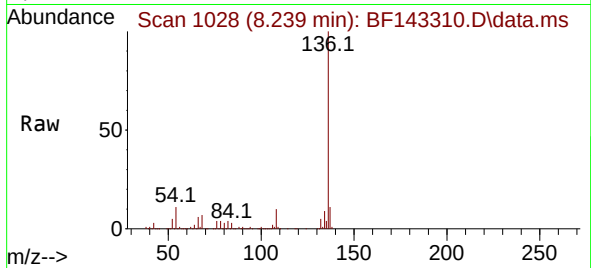




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.239 min Scan# 1028
Delta R.T. -0.006 min
Lab File: BF143310.D
Acq: 05 Aug 2025 12:32

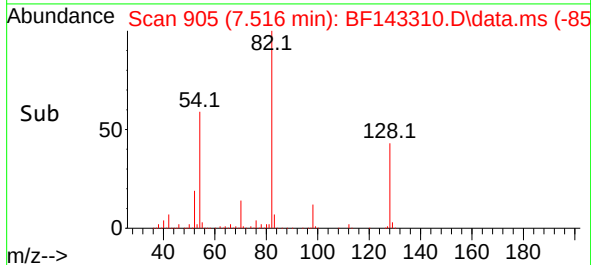
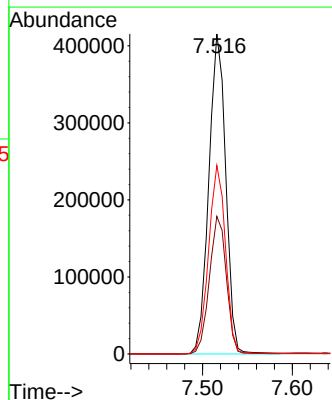
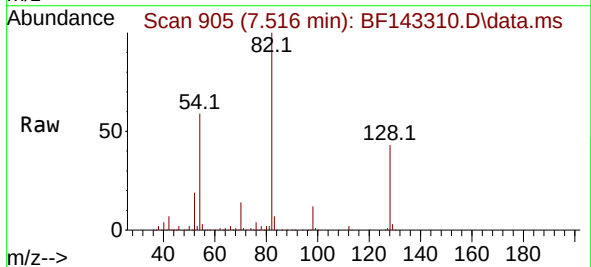
Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-OG4-073125

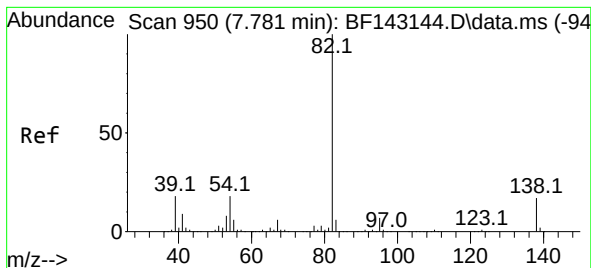
Tgt Ion:	136	Resp:	460606
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.6	13.0
54	10.6	8.2	12.2
68	7.2	5.4	8.2



#23
Nitrobenzene-d5
Concen: 58.953 ng
RT: 7.516 min Scan# 905
Delta R.T. -0.006 min
Lab File: BF143310.D
Acq: 05 Aug 2025 12:32

Tgt Ion:	82	Resp:	544747
Ion	Ratio	Lower	Upper
82	100		
128	43.0	33.6	50.4
54	58.9	47.1	70.7





#25

Isophorone

Concen: 33.005 ng

RT: 7.516 min Scan# 90

Delta R.T. -0.265 min

Lab File: BF143310.D

Acq: 05 Aug 2025 12:32

Instrument :

BNA_F

ClientSampleId :

OU4-TS-GRILLO-OG4-073125

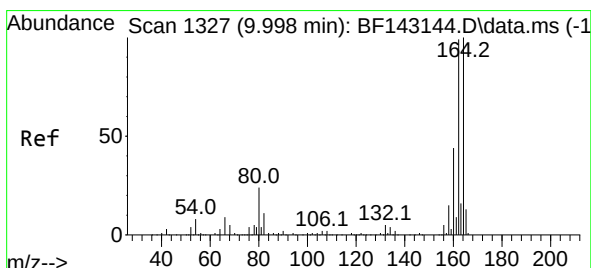
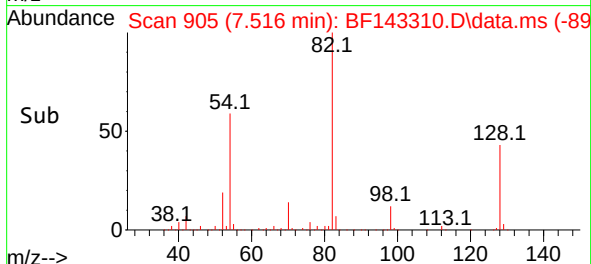
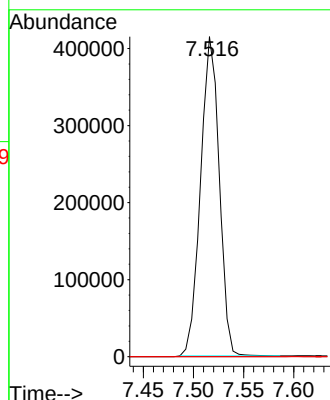
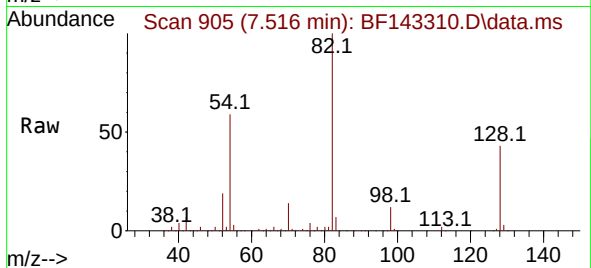
Tgt Ion: 82 Resp: 538385

Ion Ratio Lower Upper

82 100

95 0.0 5.5 8.3#

138 0.0 13.8 20.8#



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.998 min Scan# 1327

Delta R.T. 0.000 min

Lab File: BF143310.D

Acq: 05 Aug 2025 12:32

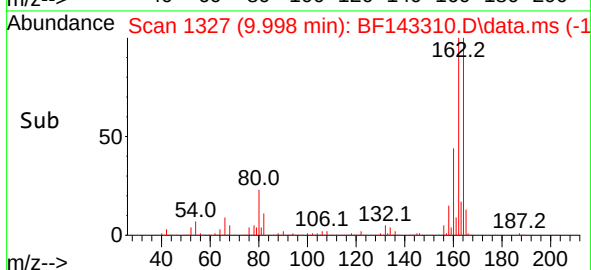
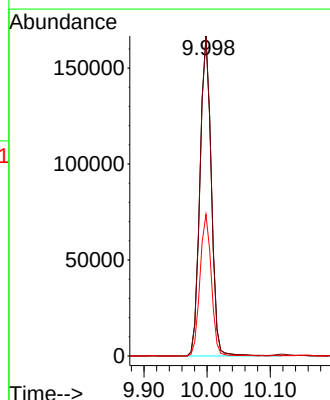
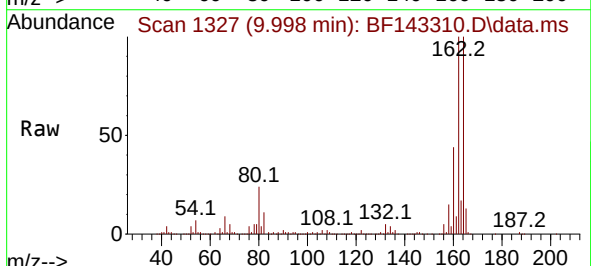
Tgt Ion:164 Resp: 207758

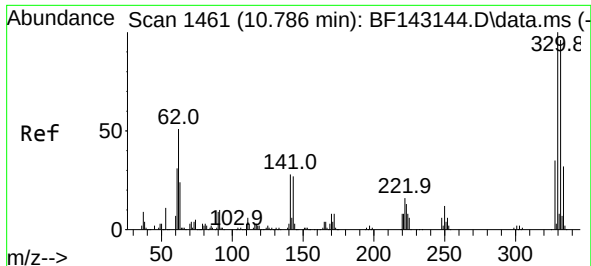
Ion Ratio Lower Upper

164 100

162 99.7 79.0 118.6

160 44.2 35.1 52.7





#42

2,4,6-Tribromophenol

Concen: 74.967 ng

RT: 10.786 min Scan# 1461

Delta R.T. -0.000 min

Lab File: BF143310.D

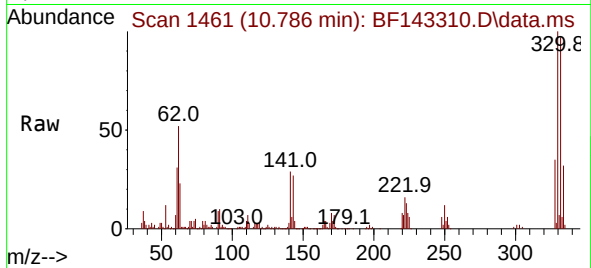
Acq: 05 Aug 2025 12:32

Instrument :

BNA_F

ClientSampleId :

OU4-TS-GRILLO-OG4-073125



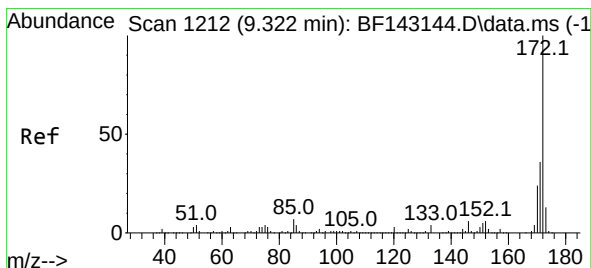
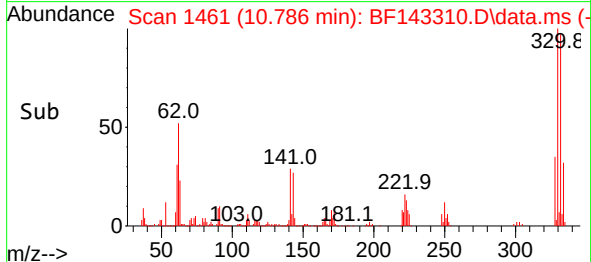
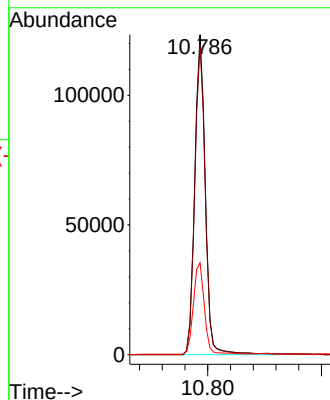
Tgt Ion:330 Resp: 160898

Ion Ratio Lower Upper

330 100

332 96.6 76.7 115.1

141 29.5 23.3 34.9



#45

2-Fluorobiphenyl

Concen: 59.008 ng

RT: 9.316 min Scan# 1211

Delta R.T. -0.006 min

Lab File: BF143310.D

Acq: 05 Aug 2025 12:32

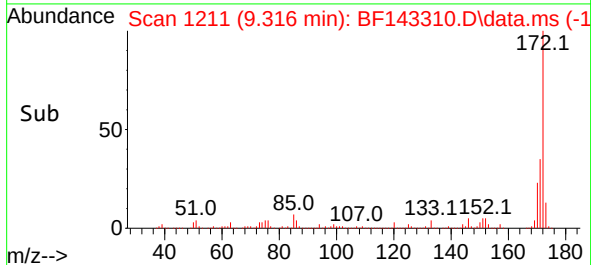
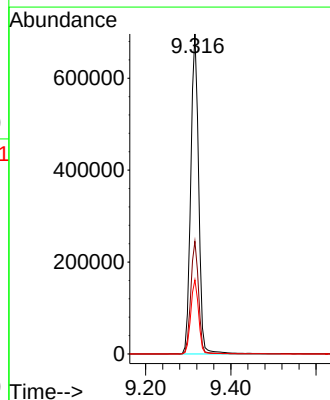
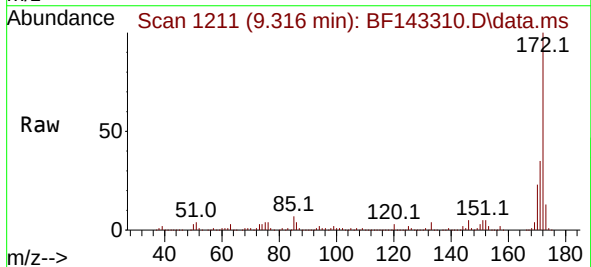
Tgt Ion:172 Resp: 896404

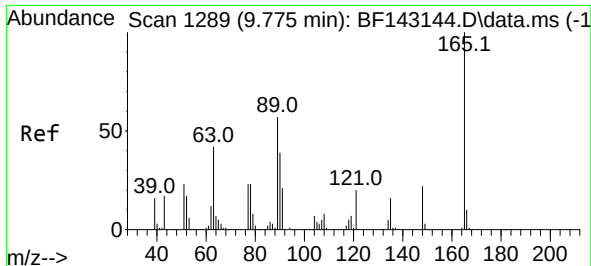
Ion Ratio Lower Upper

172 100

171 35.2 28.6 42.8

170 23.2 18.8 28.2

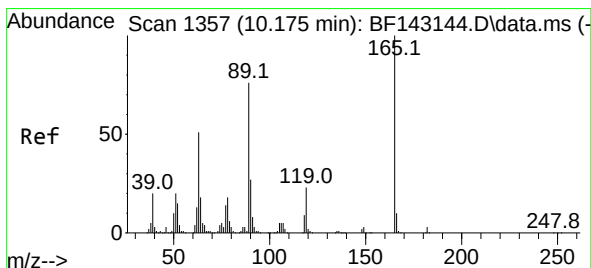
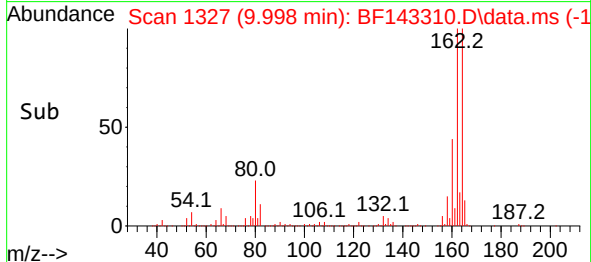
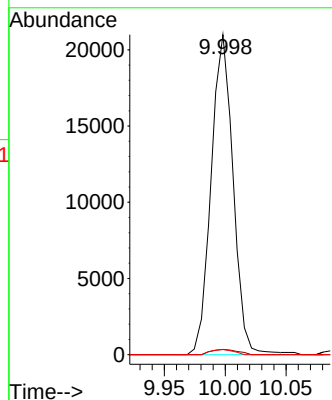
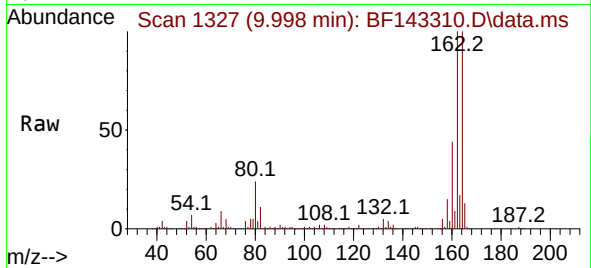




#51
2,6-Dinitrotoluene
Concen: 9.578 ng
RT: 9.998 min Scan# 11
Delta R.T. 0.223 min
Lab File: BF143310.D
Acq: 05 Aug 2025 12:32

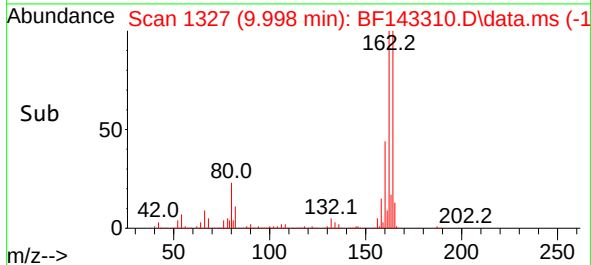
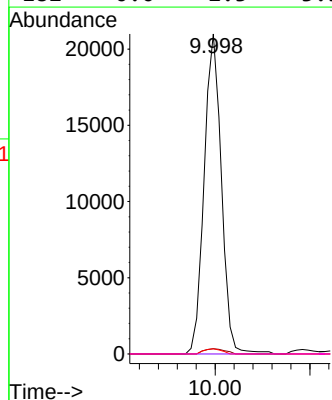
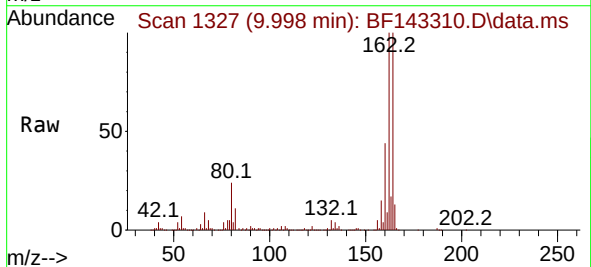
Instrument :
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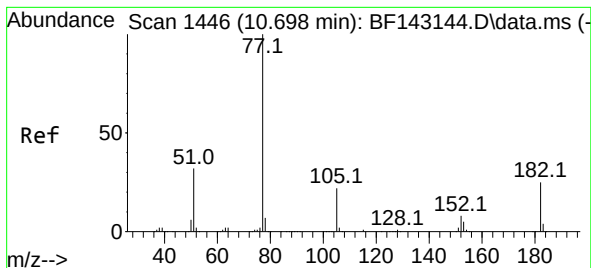
Tgt Ion:165 Resp: 26387
Ion Ratio Lower Upper
165 100
63 1.6 49.4 74.2#
89 1.6 46.2 69.2#



#57
2,4-Dinitrotoluene
Concen: 7.665 ng
RT: 9.998 min Scan# 1327
Delta R.T. -0.177 min
Lab File: BF143310.D
Acq: 05 Aug 2025 12:32

Tgt Ion:165 Resp: 26491
Ion Ratio Lower Upper
165 100
63 1.6 41.0 61.4#
89 1.6 61.1 91.7#
182 0.0 2.3 3.5#





#63

Azobenzene

Concen: 2.858 ng

RT: 10.704 min Scan# 1446

Delta R.T. 0.006 min

Lab File: BF143310.D

Acq: 05 Aug 2025 12:32

Instrument :

BNA_F

ClientSampleId :

OU4-TS-GRILLO-OG4-073125

Tgt Ion: 77 Resp: 39877

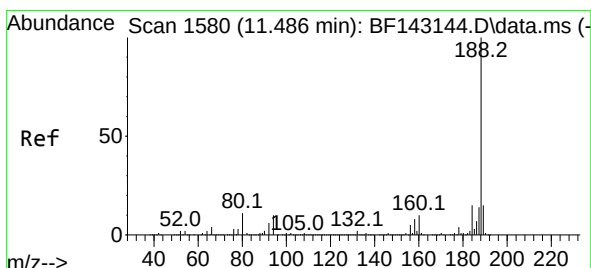
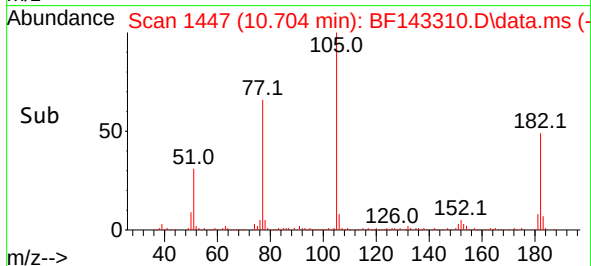
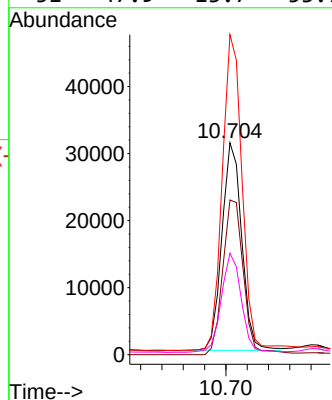
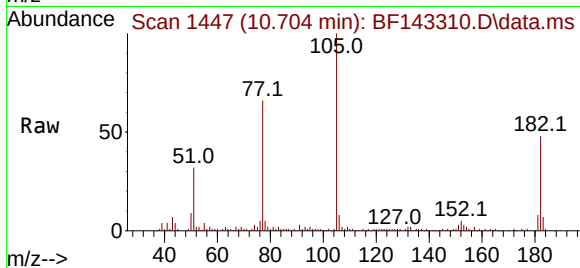
Ion Ratio Lower Upper

77 100

182 73.0 4.6 44.6#

105 151.1 1.4 41.4#

51 47.9 13.7 53.7



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.486 min Scan# 1580

Delta R.T. -0.000 min

Lab File: BF143310.D

Acq: 05 Aug 2025 12:32

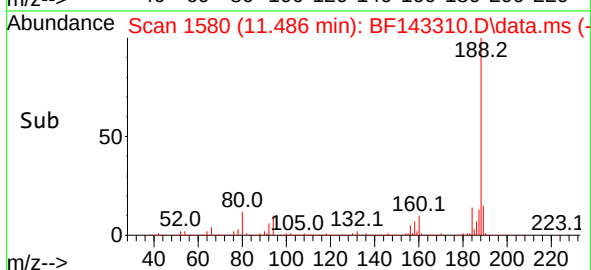
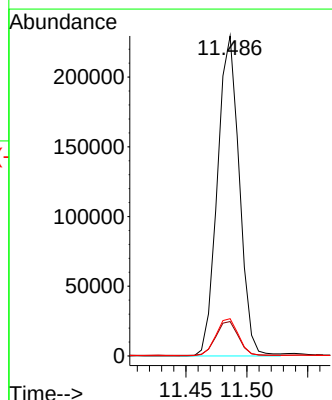
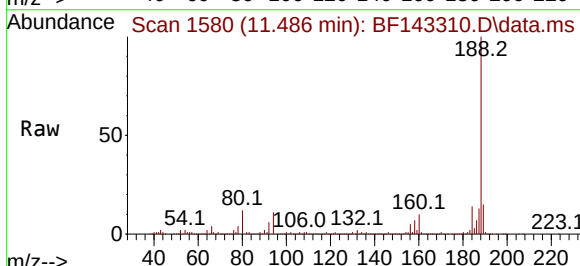
Tgt Ion:188 Resp: 287499

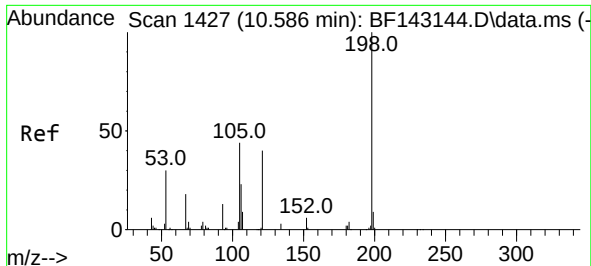
Ion Ratio Lower Upper

188 100

94 10.7 8.3 12.5

80 11.6 9.0 13.6





#65

4,6-Dinitro-2-methylphenol

Concen: 5.559 ng

RT: 10.786 min Scan# 1461

Delta R.T. 0.200 min

Lab File: BF143310.D

Acq: 05 Aug 2025 12:32

Instrument :

BNA_F

ClientSampleId :

OU4-TS-GRILLO-OG4-073125

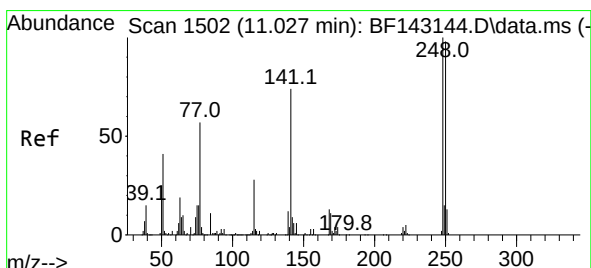
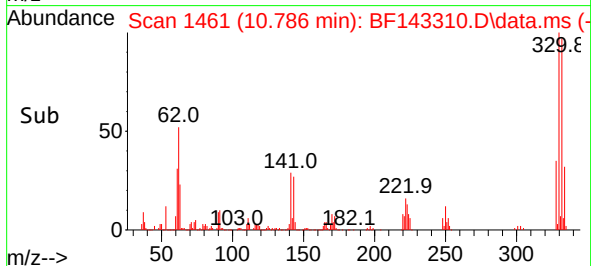
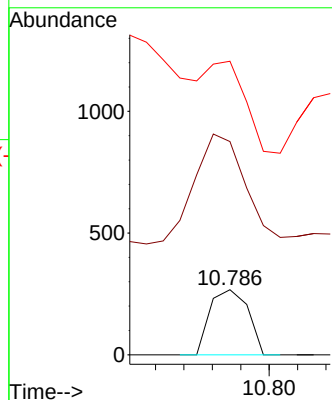
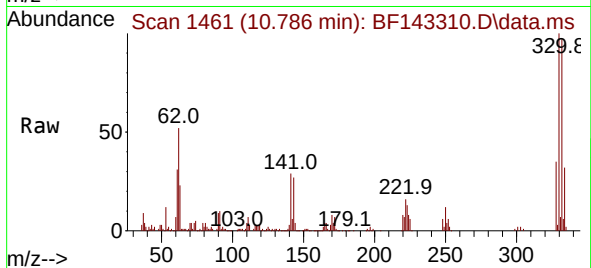
Tgt Ion:198 Resp: 249

Ion Ratio Lower Upper

198 100

51 328.1 37.2 77.2#

105 451.7 24.8 64.8#



#67

4-Bromophenyl-phenylether

Concen: 2.922 ng

RT: 10.786 min Scan# 1461

Delta R.T. -0.241 min

Lab File: BF143310.D

Acq: 05 Aug 2025 12:32

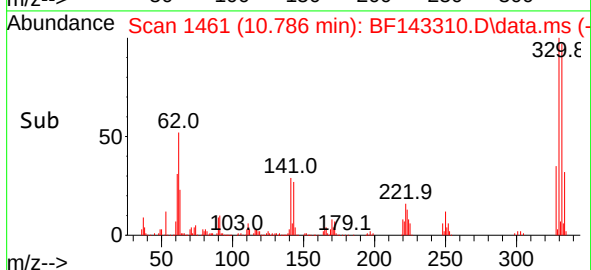
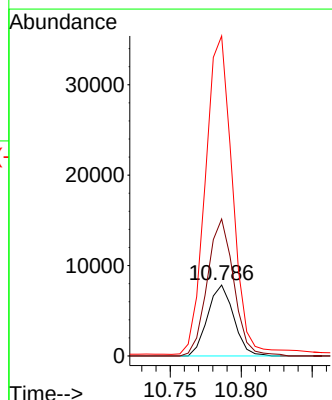
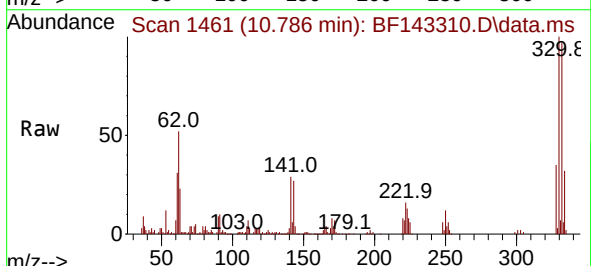
Tgt Ion:248 Resp: 10010

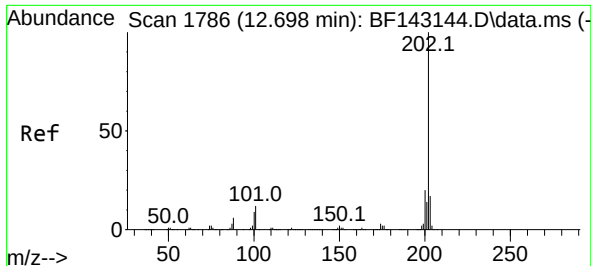
Ion Ratio Lower Upper

248 100

250 193.1 78.3 117.5#

141 451.0 59.2 88.8#

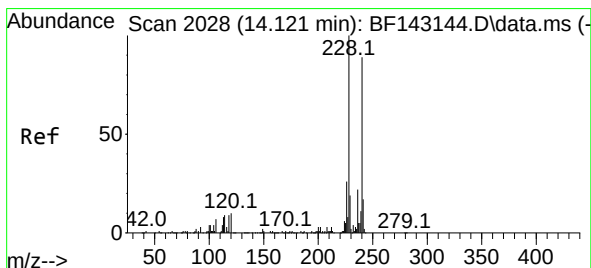
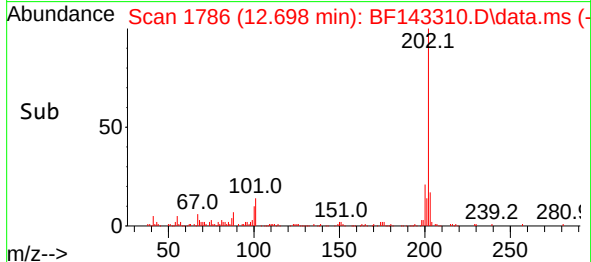
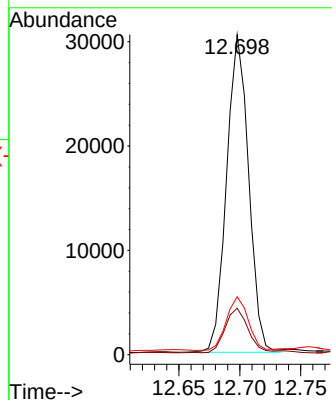
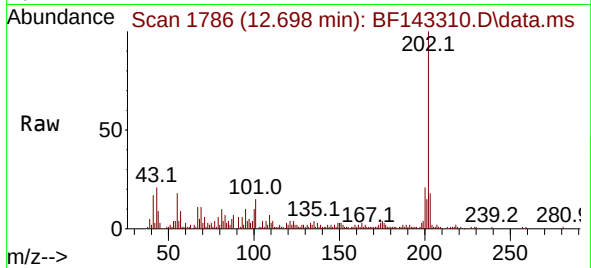




#75
Fluoranthene
Concen: 2.739 ng
RT: 12.698 min Scan# 1786
Delta R.T. -0.000 min
Lab File: BF143310.D
Acq: 05 Aug 2025 12:32

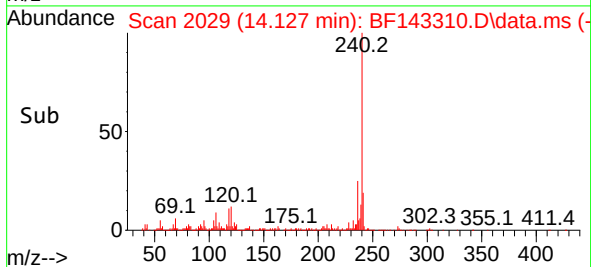
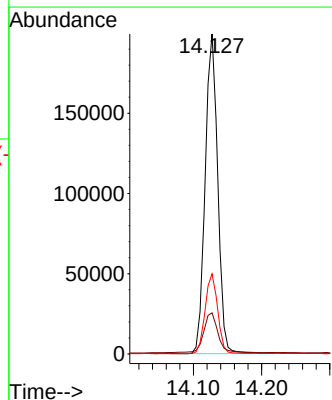
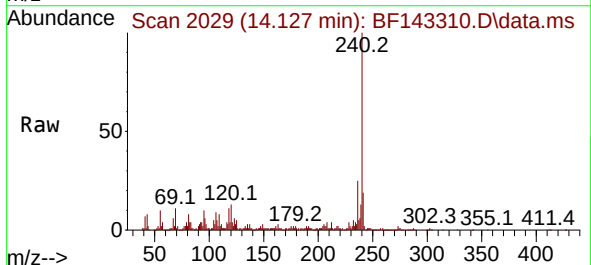
Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-OG4-073125

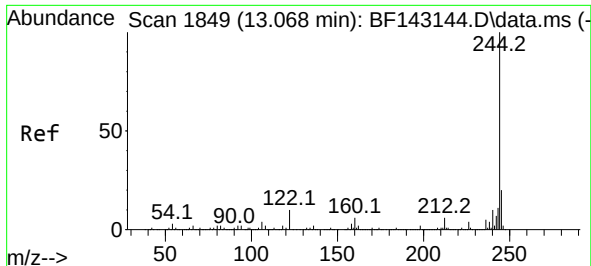
Tgt Ion:	202	Resp:	38376
Ion Ratio	Lower	Upper	
202	100		
101	14.5	0.0	31.7
203	18.1	0.0	37.4



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.127 min Scan# 2029
Delta R.T. 0.006 min
Lab File: BF143310.D
Acq: 05 Aug 2025 12:32

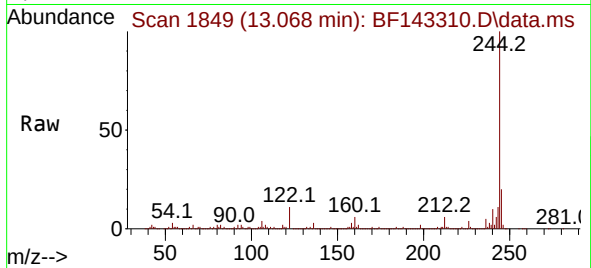
Tgt Ion:	240	Resp:	255841
Ion Ratio	Lower	Upper	
240	100		
120	12.8	9.4	14.2
236	25.0	20.2	30.4



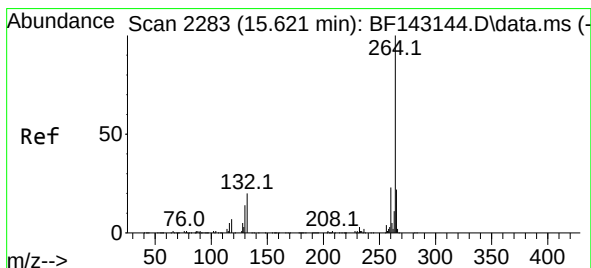
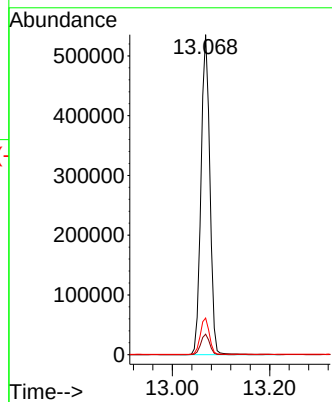
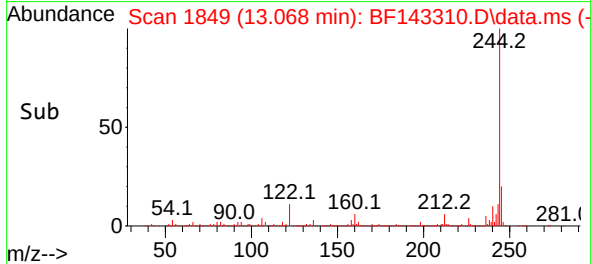


#79
 Terphenyl-d14
 Concen: 39.390 ng
 RT: 13.068 min Scan# 1849
 Delta R.T. -0.000 min
 Lab File: BF143310.D
 Acq: 05 Aug 2025 12:32

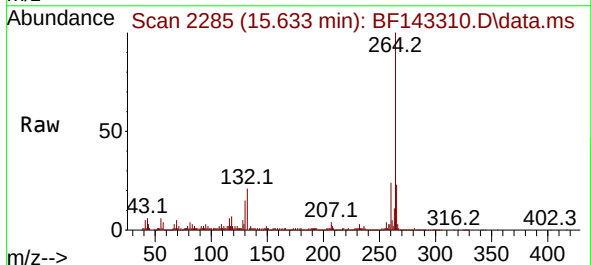
Instrument :
 BNA_F
 ClientSampleId :
 OU4-TS-GRILLO-OG4-073125



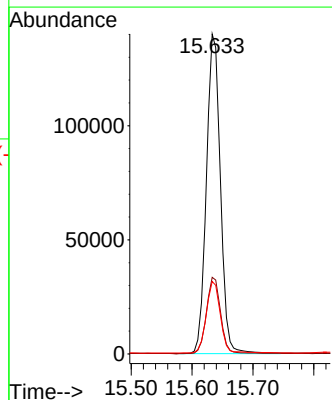
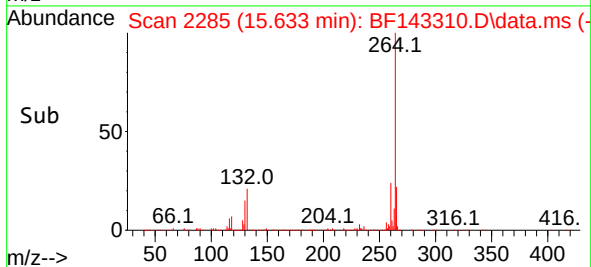
Tgt Ion:244 Resp: 677203
 Ion Ratio Lower Upper
 244 100
 212 6.4 5.2 7.8
 122 11.5 8.2 12.2

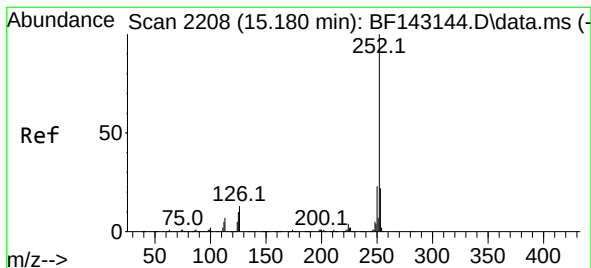


#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.633 min Scan# 2285
 Delta R.T. 0.012 min
 Lab File: BF143310.D
 Acq: 05 Aug 2025 12:32



Tgt Ion:264 Resp: 223867
 Ion Ratio Lower Upper
 264 100
 260 24.0 18.5 27.7
 265 22.7 17.4 26.2





#88

Benzo(b)fluoranthene

Concen: 2.525 ng

RT: 15.186 min Scan# 2209

Delta R.T. 0.006 min

Lab File: BF143310.D

Acq: 05 Aug 2025 12:32

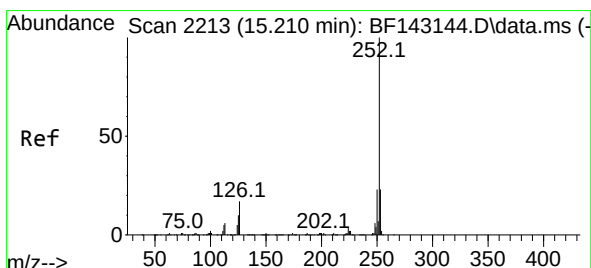
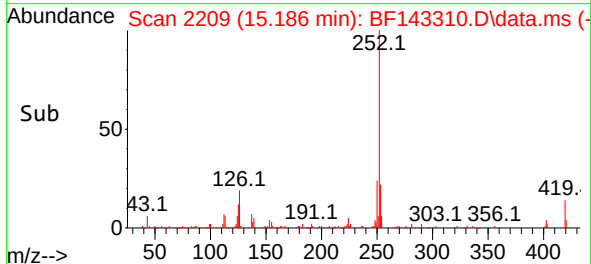
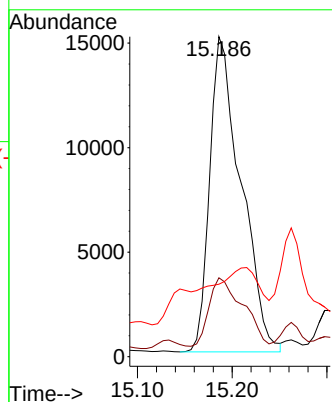
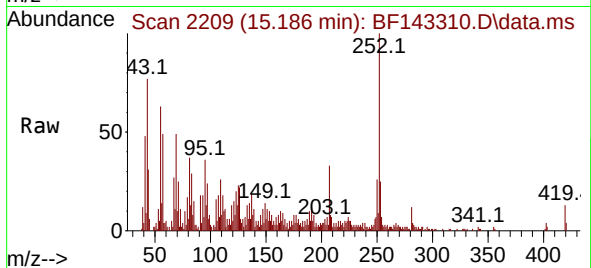
Instrument :

BNA_F

ClientSampleId :

OU4-TS-GRILLO-OG4-073125

Tgt Ion:252	Resp:	34526
Ion Ratio	Lower	Upper
252	100	
253	24.6	17.5 26.3
125	22.6	8.0 12.0#



#89

Benzo(k)fluoranthene

Concen: 2.829 ng

RT: 15.186 min Scan# 2209

Delta R.T. -0.024 min

Lab File: BF143310.D

Acq: 05 Aug 2025 12:32

Tgt Ion:252	Resp:	34526
Ion Ratio	Lower	Upper
252	100	
253	24.6	17.8 26.6
125	22.6	8.1 12.1#

