

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)

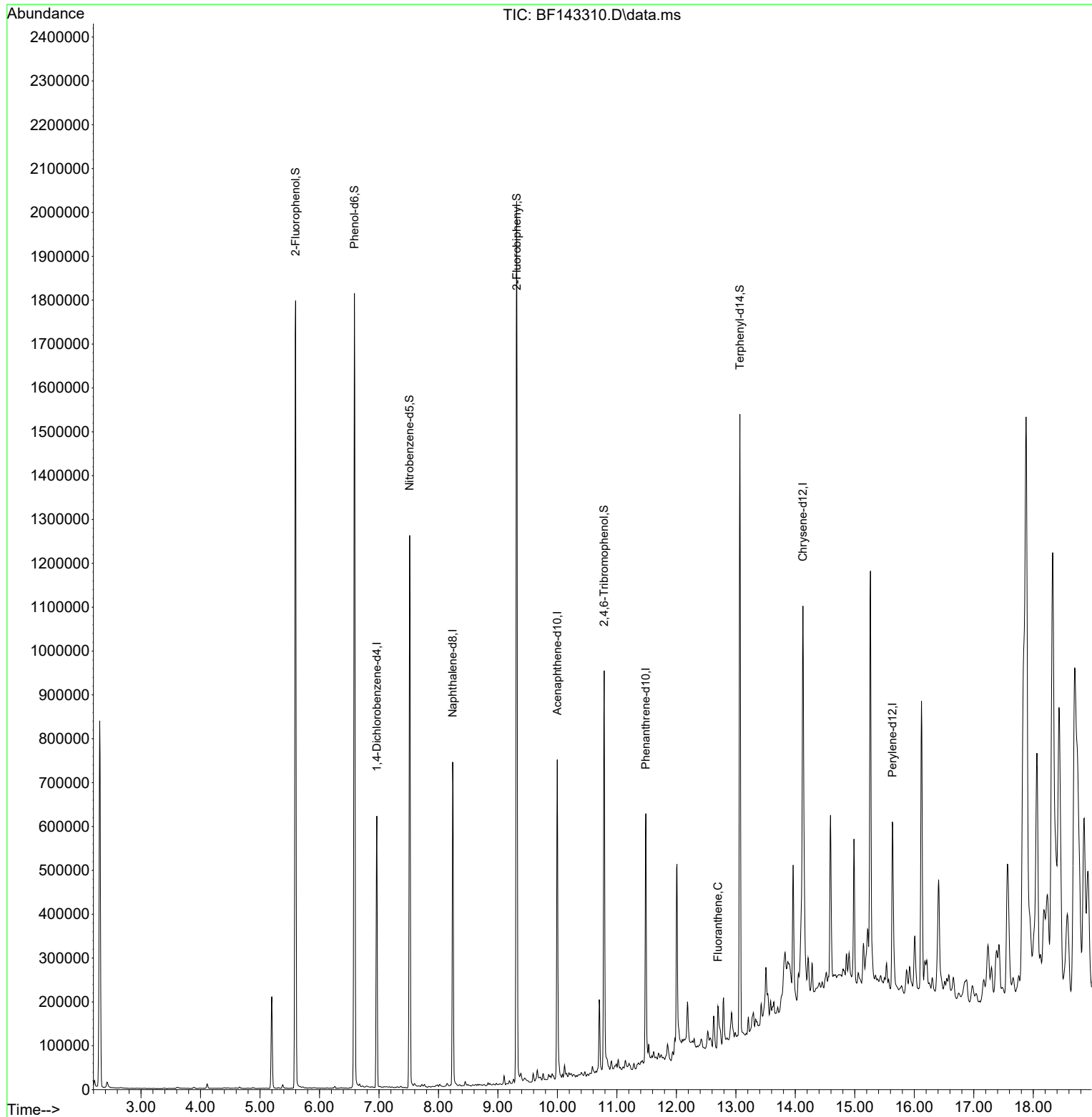
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.963	152	124773	20.000	ng	0.00
21) Naphthalene-d8	8.239	136	460606	20.000	ng	0.00
39) Acenaphthene-d10	9.998	164	207758	20.000	ng	0.00
64) Phenanthrene-d10	11.486	188	287499	20.000	ng	0.00
76) Chrysene-d12	14.127	240	255841	20.000	ng	0.00
86) Perylene-d12	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						
75) Fluoranthene	12.698	202	38376	2.739	ng	Qvalue 96

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

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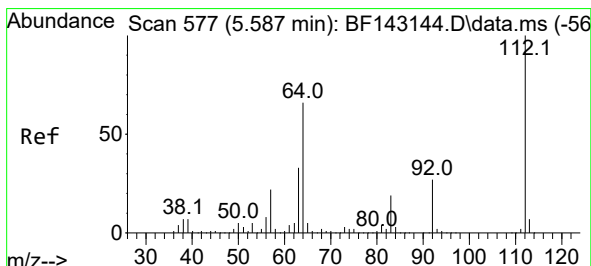
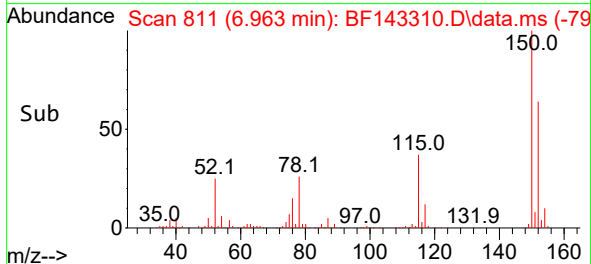
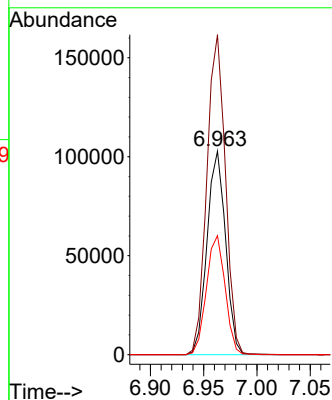
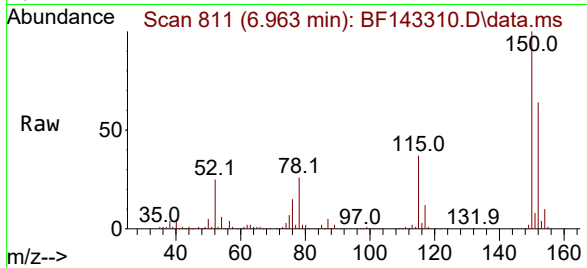




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.963 min Scan# 811
Delta R.T. -0.000 min
Lab File: BF143310.D
Acq: 05 Aug 2025 12:32

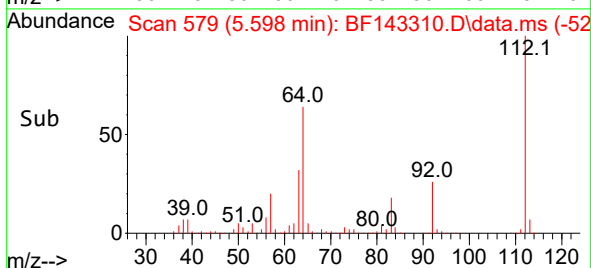
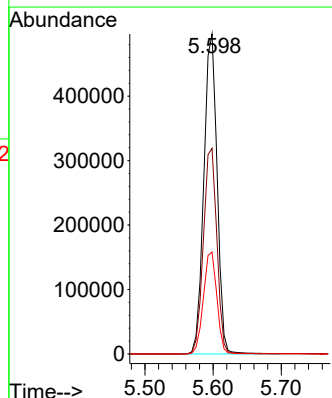
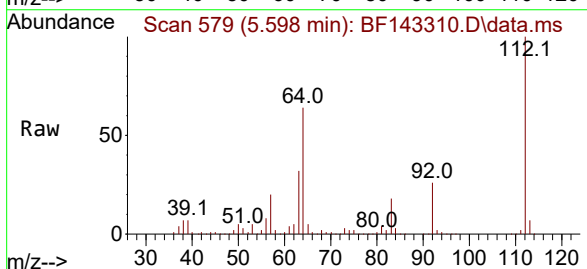
Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-OG4-073125

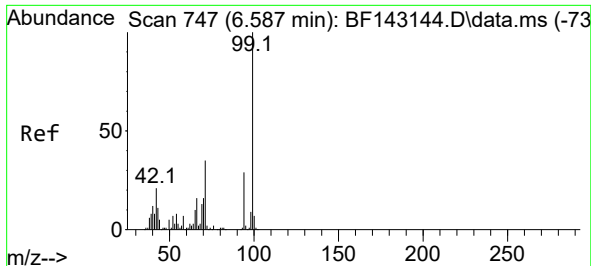
Tgt Ion:152 Resp: 124773
Ion Ratio Lower Upper
152 100
150 157.2 128.2 192.4
115 58.5 47.9 71.9



#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

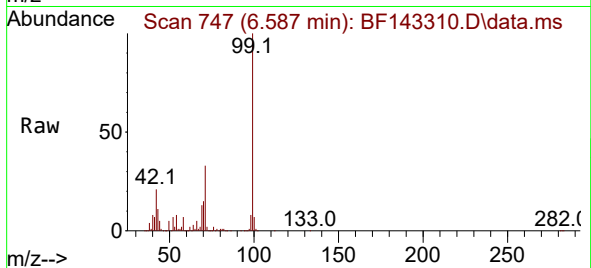
Tgt Ion:112 Resp: 673630
Ion Ratio Lower Upper
112 100
64 64.2 53.1 79.7
63 31.9 26.6 40.0



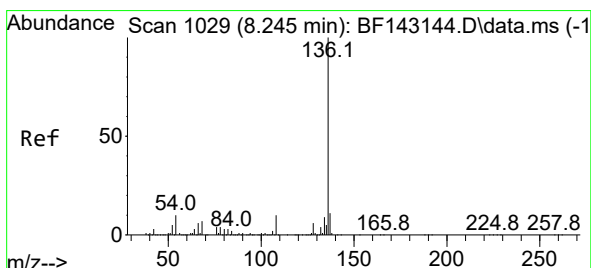
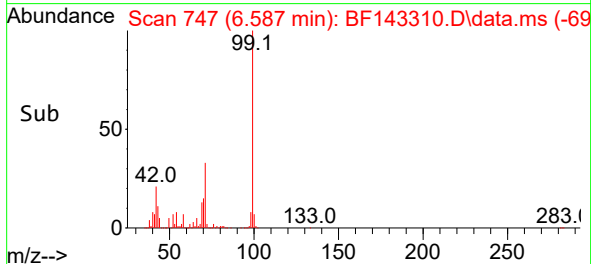
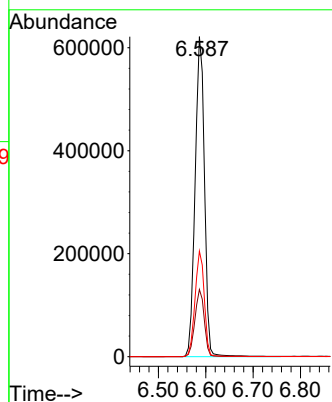


#7
Phenol-d6
Concen: 86.093 ng
RT: 6.587 min Scan# 747
Delta R.T. -0.000 min
Lab File: BF143310.D
Acq: 05 Aug 2025 12:32

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

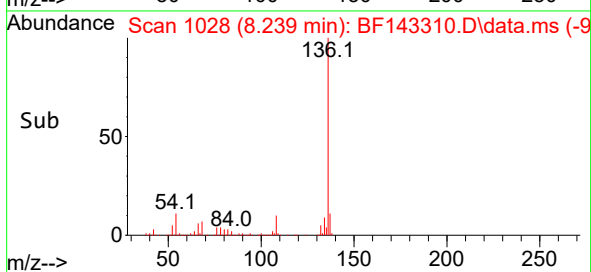
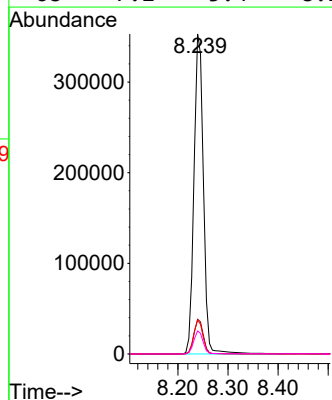
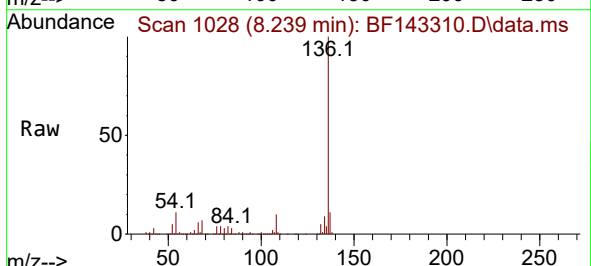


Tgt Ion: 99 Resp: 854416
Ion Ratio Lower Upper
99 100
42 21.0 17.0 25.6
71 33.0 27.7 41.5



#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

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# 906

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

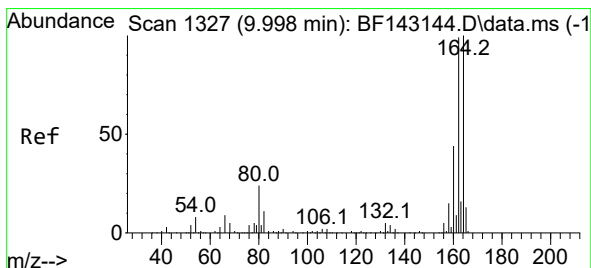
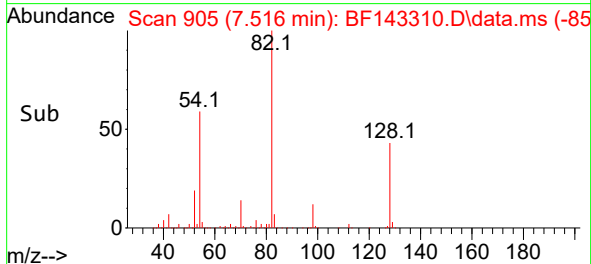
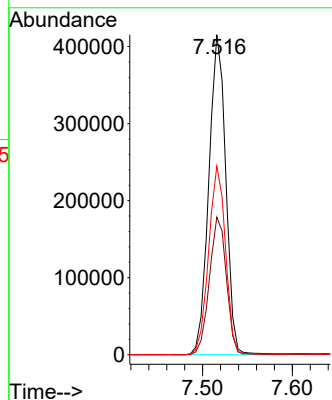
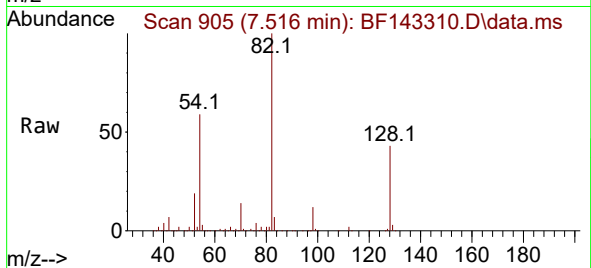
Tgt Ion: 82 Resp: 544747

Ion Ratio Lower Upper

82 100

128 43.0 33.6 50.4

54 58.9 47.1 70.7



#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

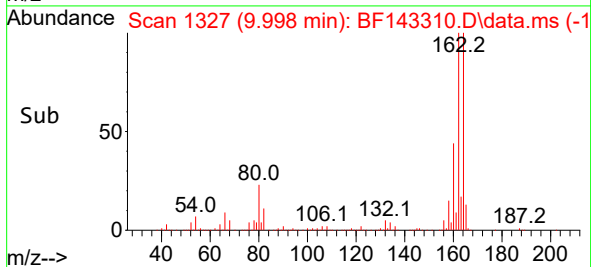
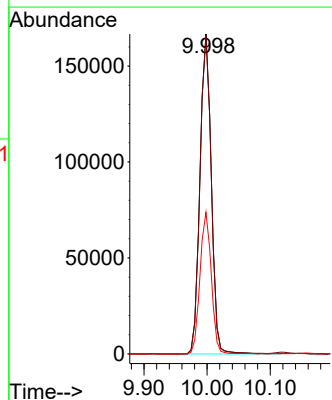
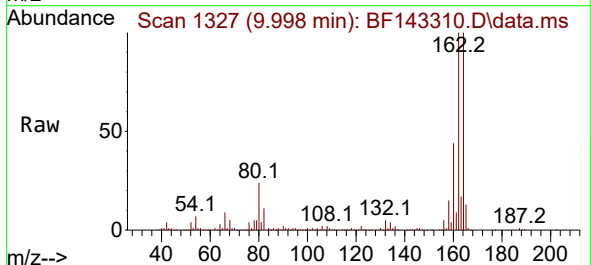
Tgt Ion:164 Resp: 207758

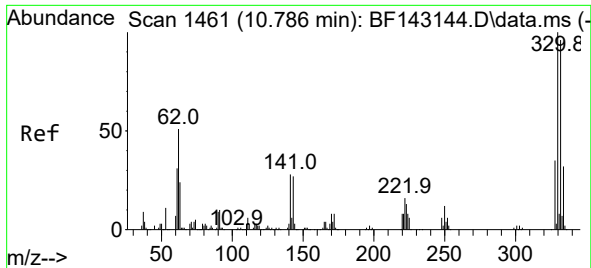
Ion Ratio Lower Upper

164 100

162 99.7 79.0 118.6

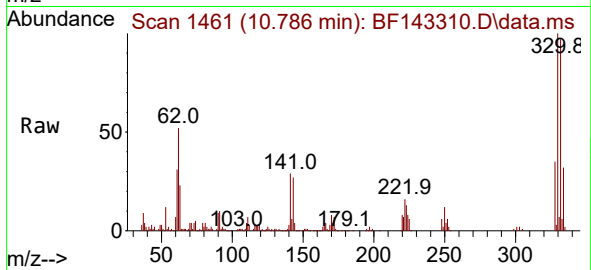
160 44.2 35.1 52.7



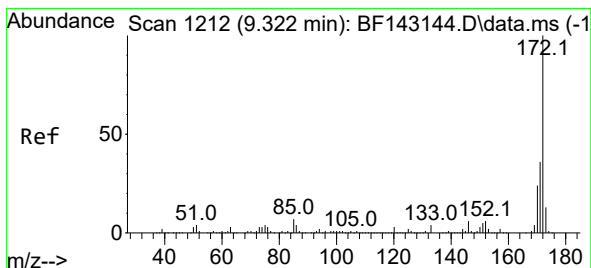
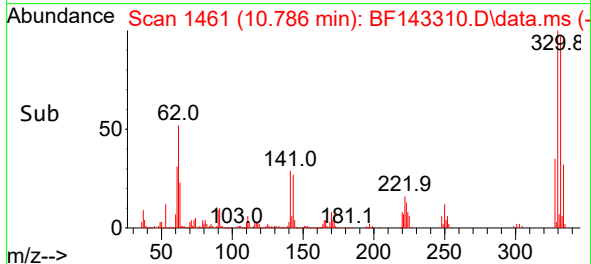
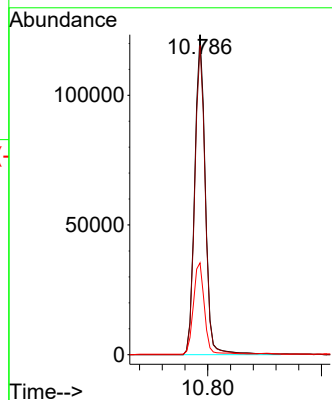


#42
2,4,6-Tribromophenol
Concen: 74.967 ng
RT: 10.786 min Scan# 1461
Delta R.T. -0.000 min
Lab File: BF143310.D
Acq: 05 Aug 2025 12:32

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

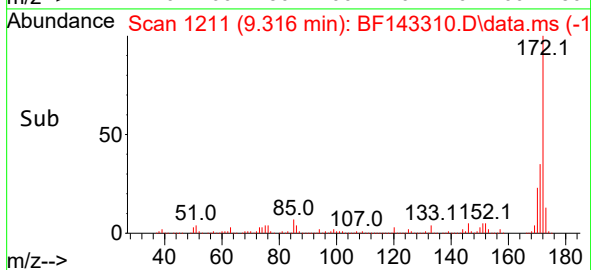
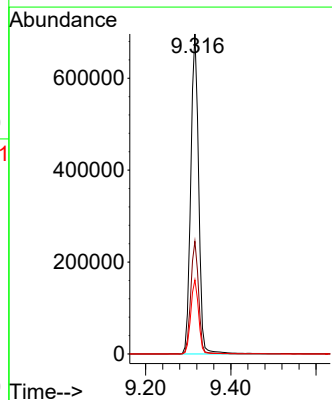
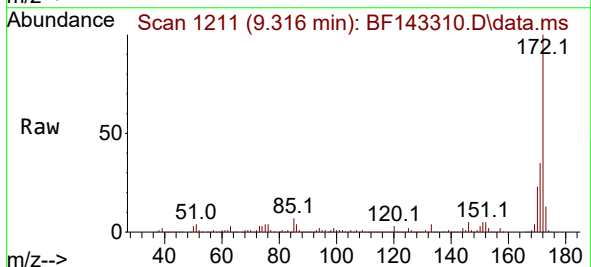


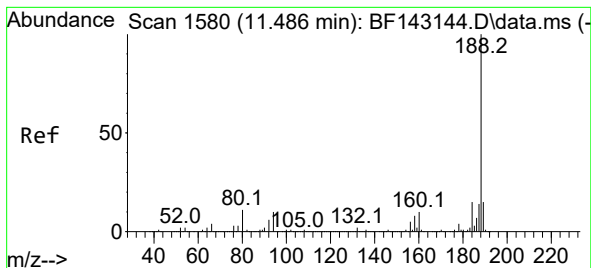
Tgt Ion:330 Resp: 160898
Ion Ratio Lower Upper
330 100
332 96.6 76.7 115.1
141 29.5 23.3 34.9



#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





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.486 min Scan# 1

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

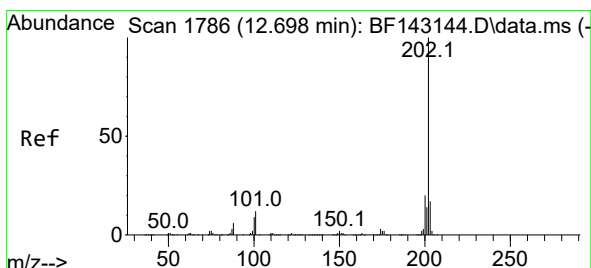
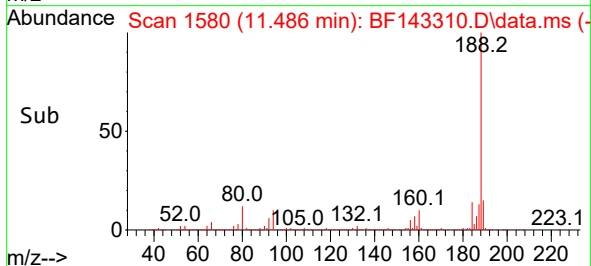
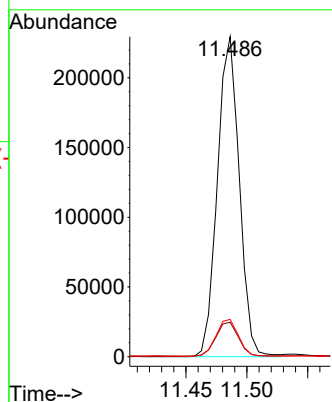
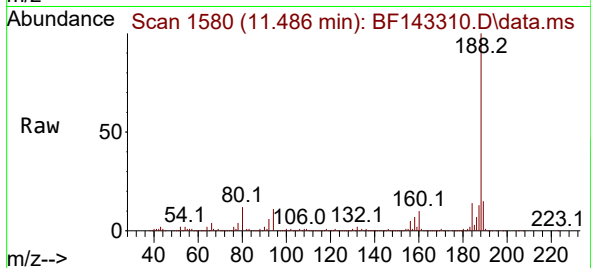
Tgt Ion:188 Resp: 287499

Ion Ratio Lower Upper

188 100

94 10.7 8.3 12.5

80 11.6 9.0 13.6



#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

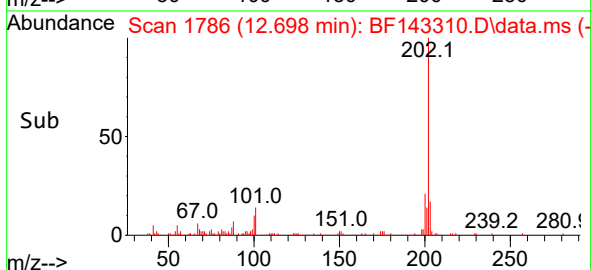
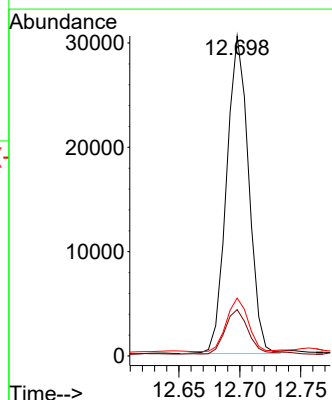
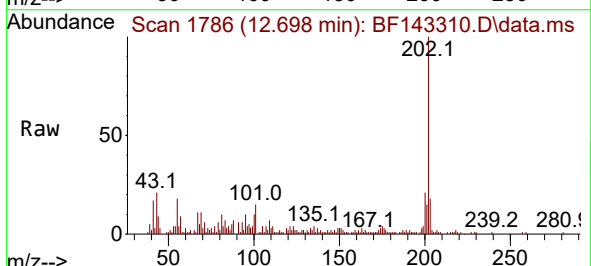
Tgt Ion:202 Resp: 38376

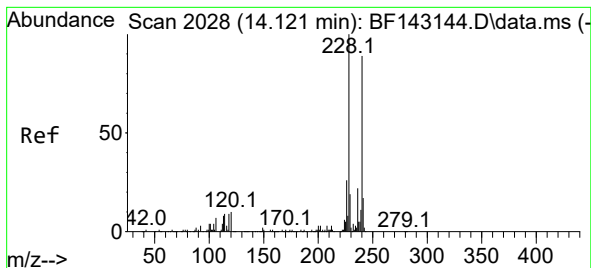
Ion Ratio Lower Upper

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# 2028

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

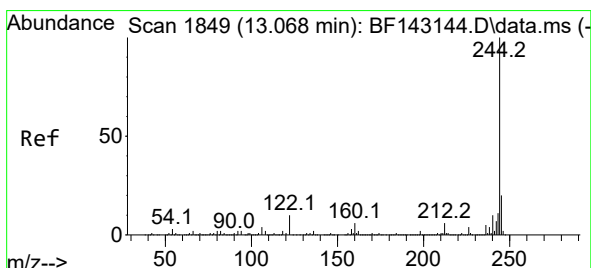
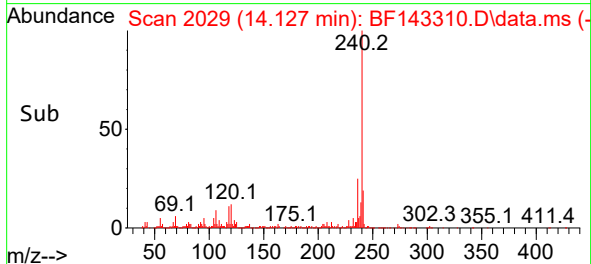
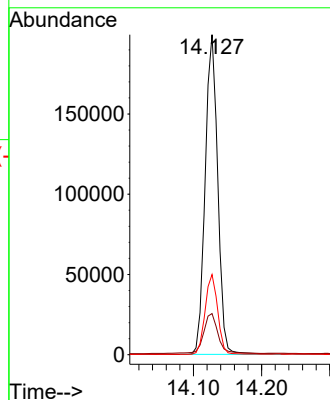
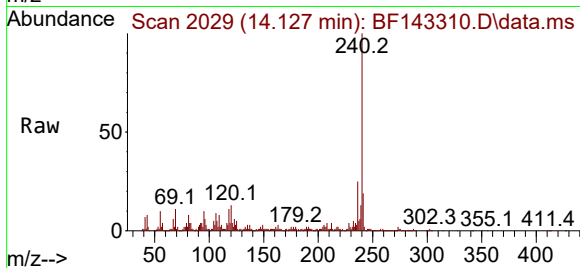
Tgt Ion:240 Resp: 255841

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

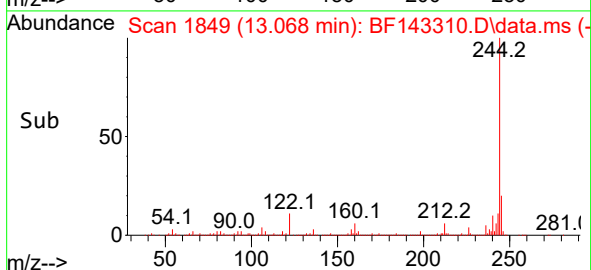
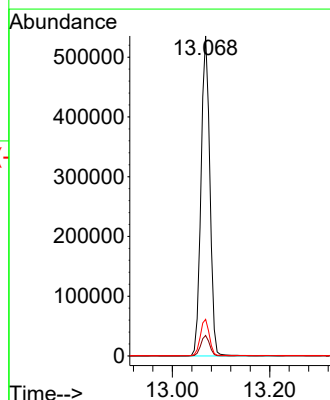
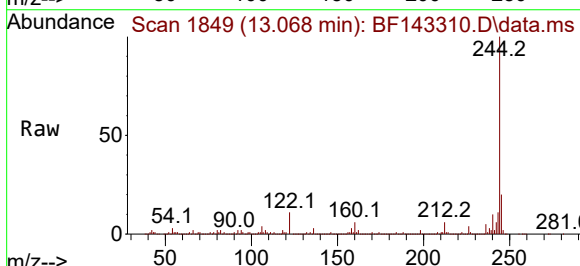
Tgt Ion:244 Resp: 677203

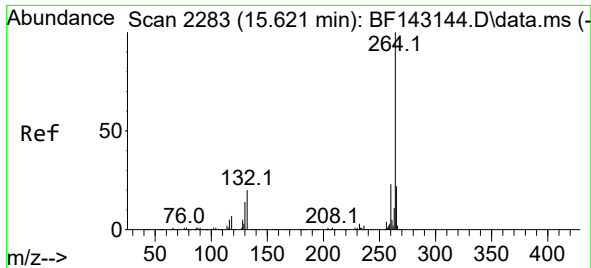
Ion Ratio Lower Upper

244 100

212 6.4 5.2 7.8

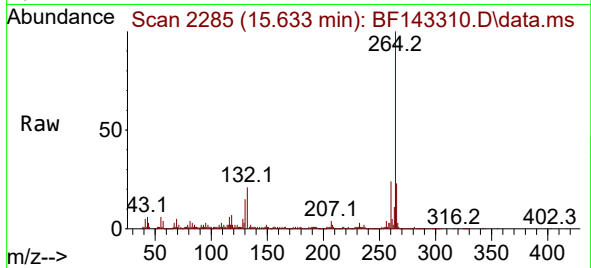
122 11.5 8.2 12.2





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.633 min Scan# 21
 Delta R.T. 0.012 min
 Lab File: BF143310.D
 Acq: 05 Aug 2025 12:32

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



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

