

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071625\
 Data File : BF143136.D
 Acq On : 17 Jul 2025 05:00
 Operator : RC/JU
 Sample : Q2558-03
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OU4-TS-Grillo-OG-070925

Quant Time: Jul 17 05:17:16 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 15 17:53:25 2025
 Response via : Initial Calibration

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

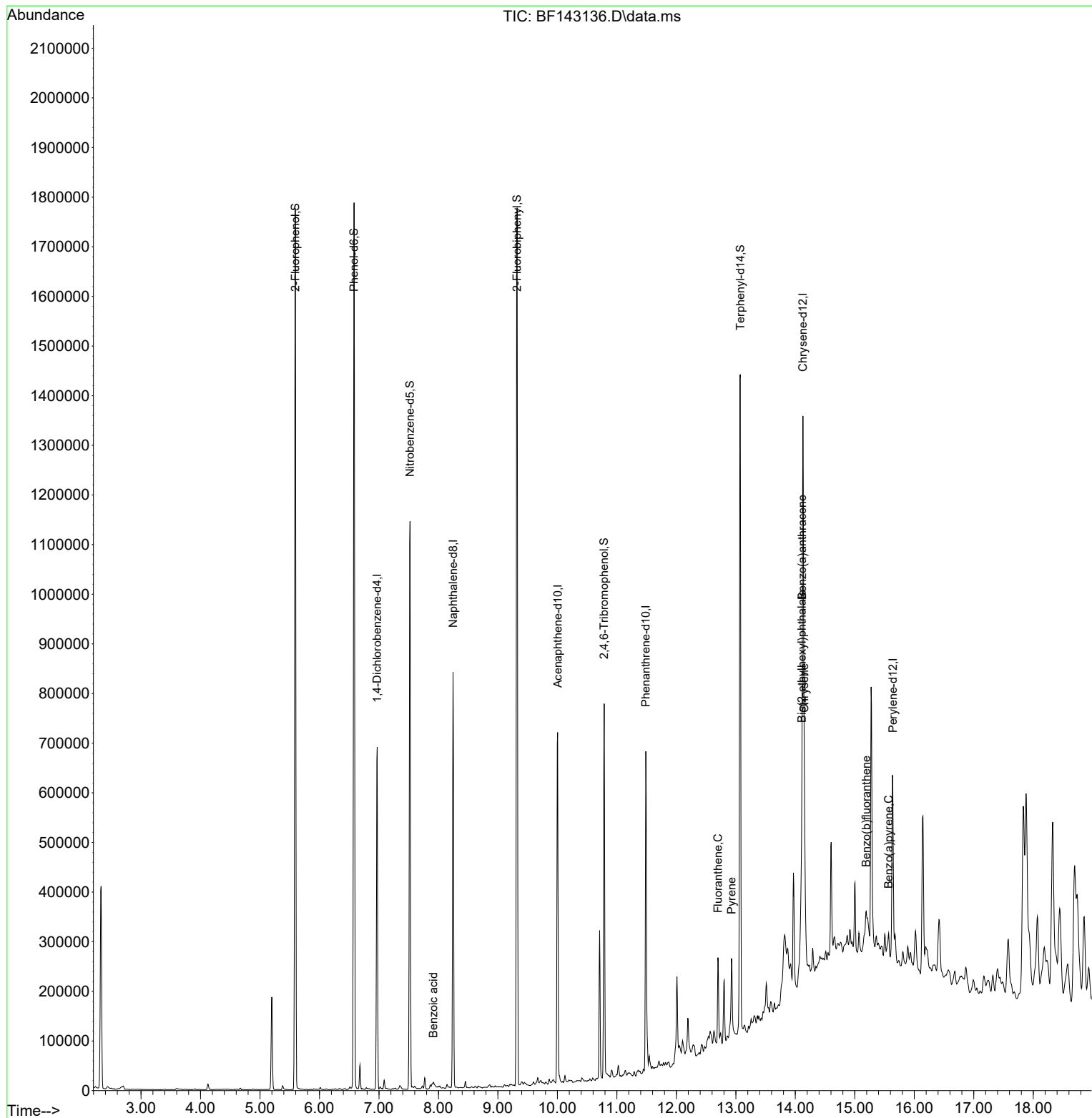
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.969	152	142532	20.000	ng	0.00
21) Naphthalene-d8	8.245	136	490921	20.000	ng	0.00
39) Acenaphthene-d10	10.004	164	206095	20.000	ng	0.00
64) Phenanthrene-d10	11.486	188	317891	20.000	ng	0.00
76) Chrysene-d12	14.127	240	291247	20.000	ng	0.00
86) Perylene-d12	15.639	264	224121	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.593	112	622688	69.024	ng	0.00
7) Phenol-d6	6.581	99	799908	70.539	ng	0.00
23) Nitrobenzene-d5	7.522	82	494539	56.512	ng	0.00
42) 2,4,6-Tribromophenol	10.786	330	121703	66.228	ng	0.00
45) 2-Fluorobiphenyl	9.322	172	769826	49.653	ng	0.00
79) Terphenyl-d14	13.075	244	652972	32.774	ng	0.00
Target Compounds						
						Qvalue
32) Benzoic acid	7.916	122	5024	7.631	ng	89
75) Fluoranthene	12.698	202	98156	6.292	ng	100
78) Pyrene	12.928	202	89660	3.318	ng	98
81) Benzo(a)anthracene	14.116	228	48640	2.506	ng	# 93
83) Chrysene	14.151	228	47737	2.671	ng	# 93
84) Bis(2-ethylhexyl)phtha...	14.110	149	31813	7.020	ng	94
88) Benzo(b)fluoranthene	15.192	252	48558m	3.756	ng	
90) Benzo(a)pyrene	15.569	252	31369	2.566	ng	# 87

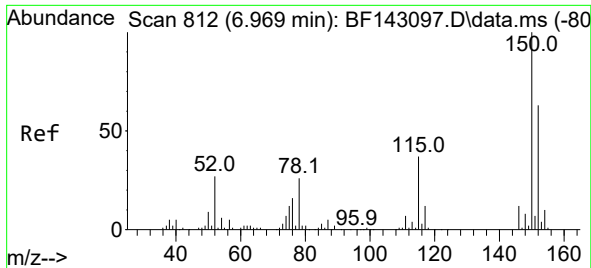
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071625\
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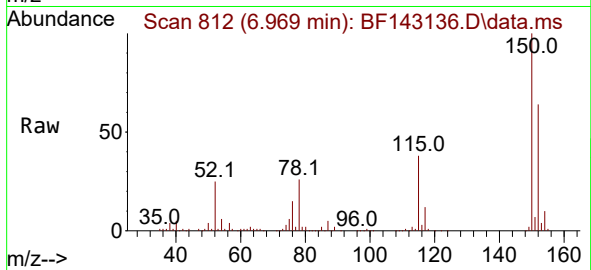
Quant Time: Jul 17 05:17:16 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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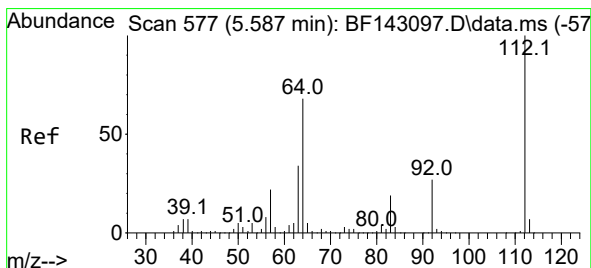
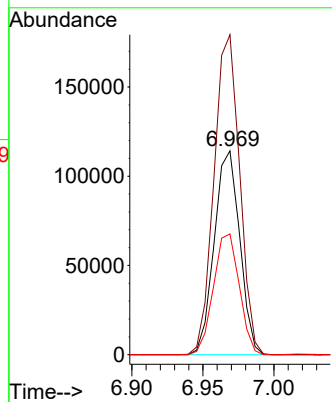
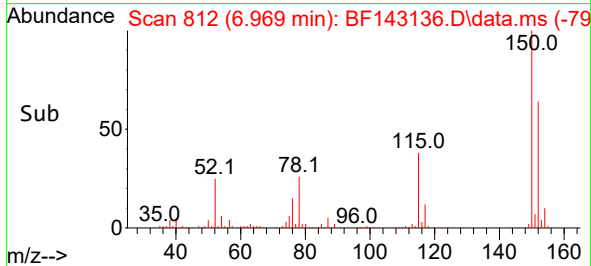


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.969 min Scan# 812
Delta R.T. 0.000 min
Lab File: BF143136.D
Acq: 17 Jul 2025 05:00

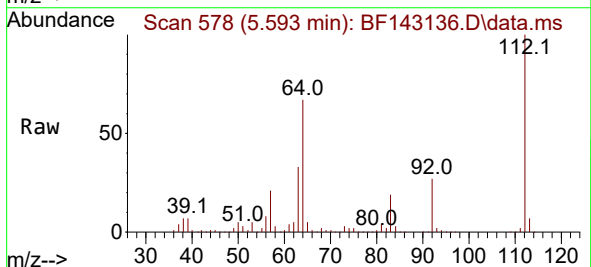
Instrument :
BNA_F
ClientSampleId :
OU4-TS-Grillo-OG-070925



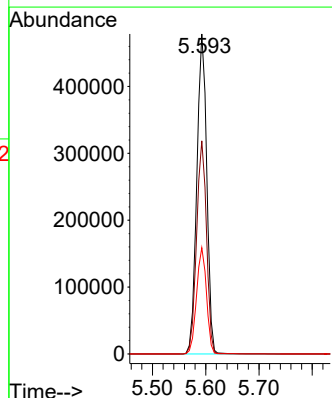
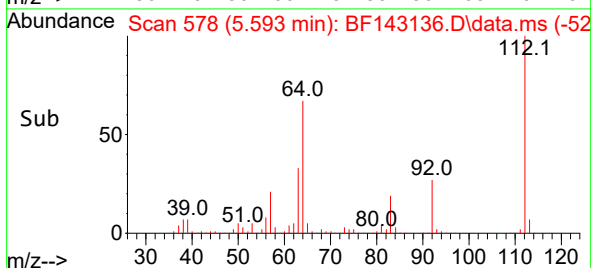
Tgt Ion:152 Resp: 142532
Ion Ratio Lower Upper
152 100
150 157.0 126.5 189.7
115 59.3 47.0 70.6

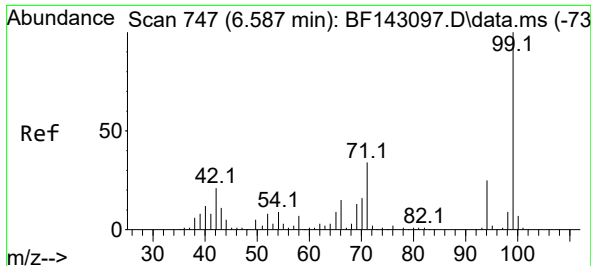


#5
2-Fluorophenol
Concen: 69.024 ng
RT: 5.593 min Scan# 578
Delta R.T. 0.006 min
Lab File: BF143136.D
Acq: 17 Jul 2025 05:00



Tgt Ion:112 Resp: 622688
Ion Ratio Lower Upper
112 100
64 66.6 54.6 82.0
63 33.2 27.3 40.9

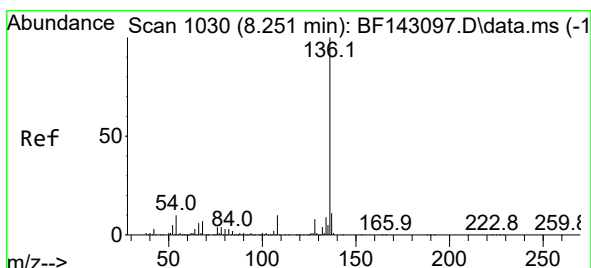
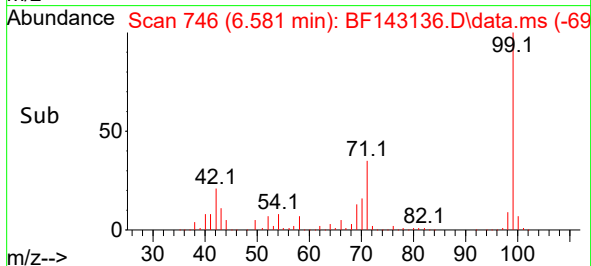
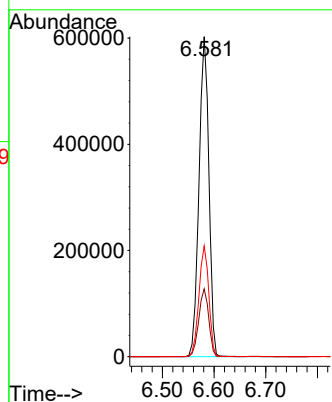
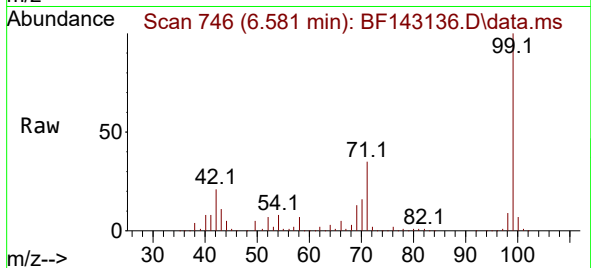




#7
Phenol-d6
Concen: 70.539 ng
RT: 6.581 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF143136.D
Acq: 17 Jul 2025 05:00

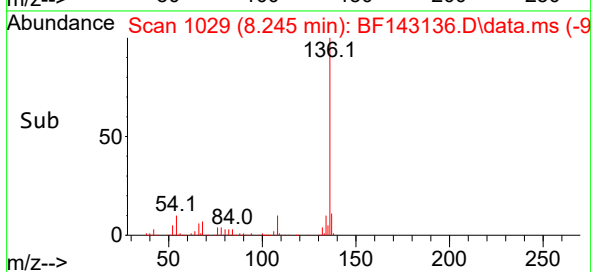
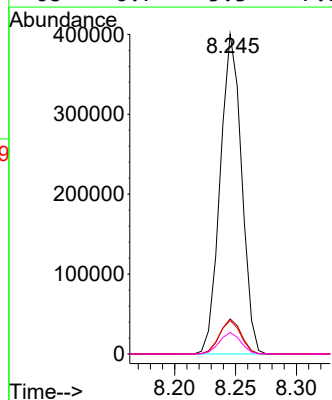
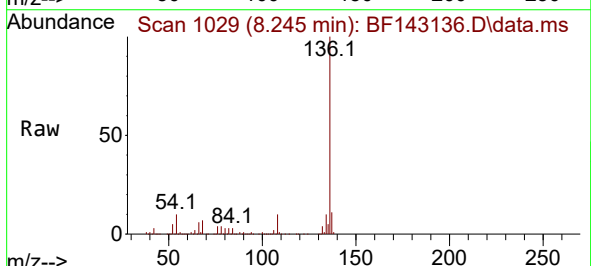
Instrument :
BNA_F
ClientSampleId :
OU4-TS-Grillo-OG-070925

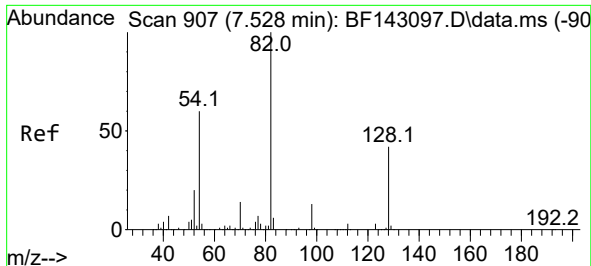
Tgt Ion: 99 Resp: 799908
Ion Ratio Lower Upper
99 100
42 21.2 17.2 25.8
71 34.6 27.4 41.0



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.245 min Scan# 1029
Delta R.T. -0.006 min
Lab File: BF143136.D
Acq: 17 Jul 2025 05:00

Tgt Ion: 136 Resp: 490921
Ion Ratio Lower Upper
136 100
137 10.9 8.9 13.3
54 10.5 8.3 12.5
68 6.7 5.3 7.9





#23

Nitrobenzene-d5

Concen: 56.512 ng

RT: 7.522 min Scan# 907

Delta R.T. -0.006 min

Lab File: BF143136.D

Acq: 17 Jul 2025 05:00

Instrument :

BNA_F

ClientSampleId :

OU4-TS-Grillo-OG-070925

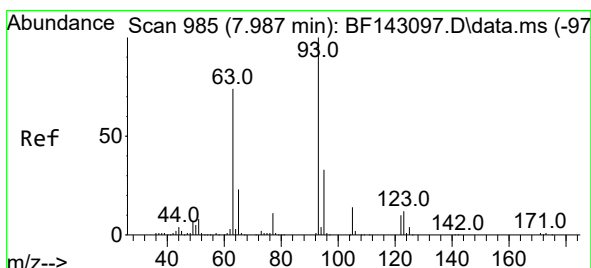
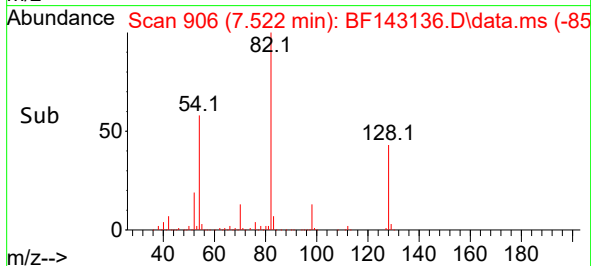
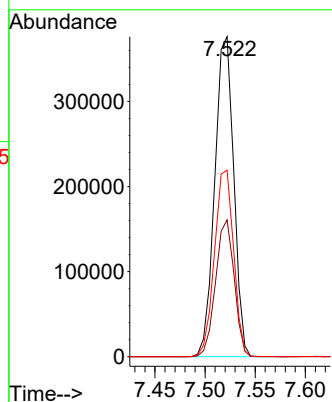
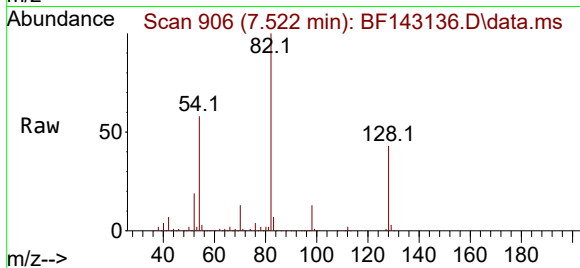
Tgt Ion: 82 Resp: 494539

Ion Ratio Lower Upper

82 100

128 42.8 33.3 49.9

54 58.3 47.4 71.2



#32

Benzoic acid

Concen: 7.631 ng

RT: 7.916 min Scan# 973

Delta R.T. -0.071 min

Lab File: BF143136.D

Acq: 17 Jul 2025 05:00

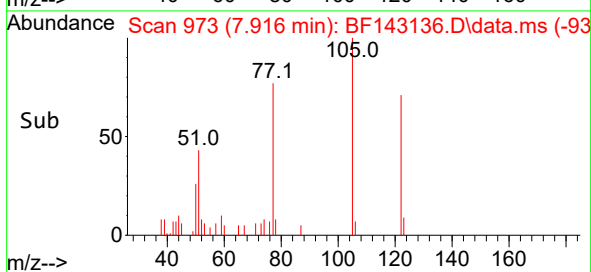
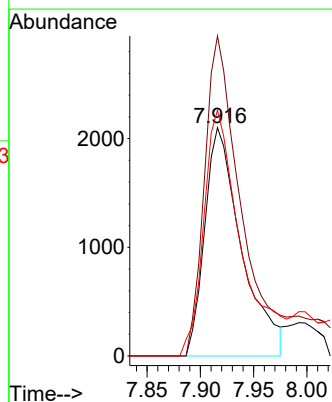
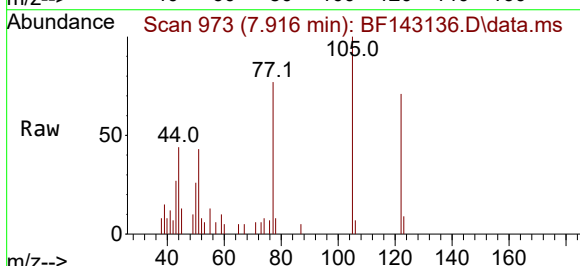
Tgt Ion:122 Resp: 5024

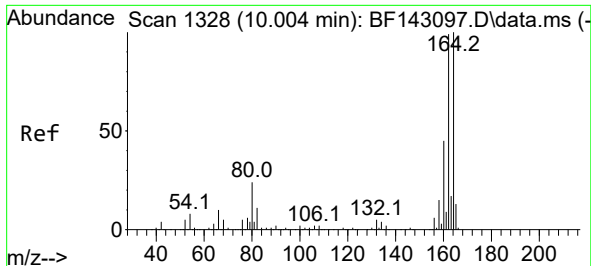
Ion Ratio Lower Upper

122 100

105 140.1 105.4 145.4

77 107.7 78.6 118.6

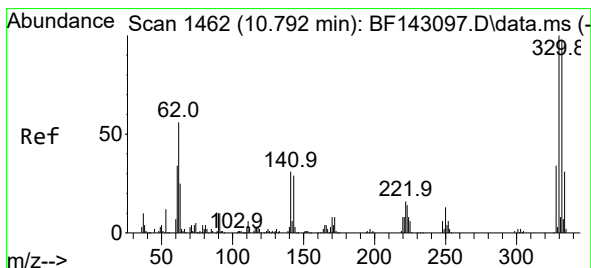
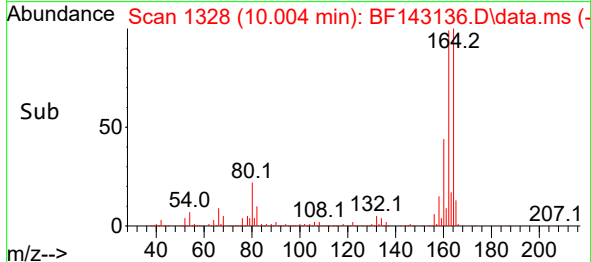
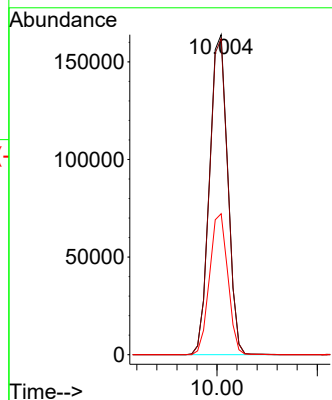
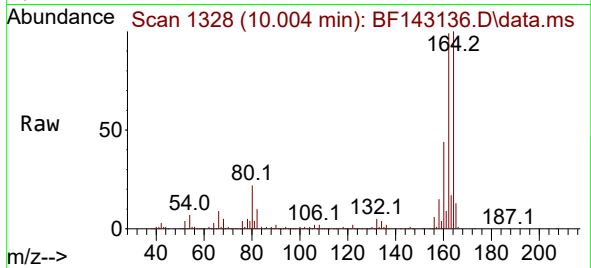




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.004 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF143136.D
Acq: 17 Jul 2025 05:00

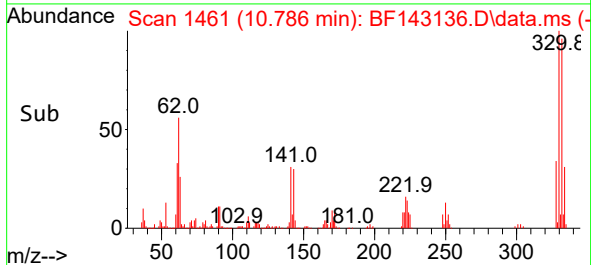
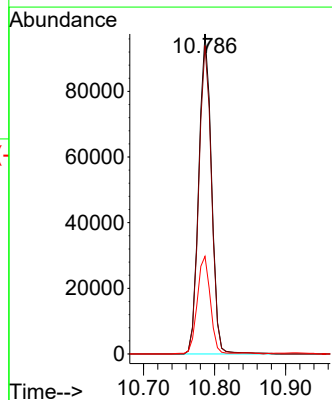
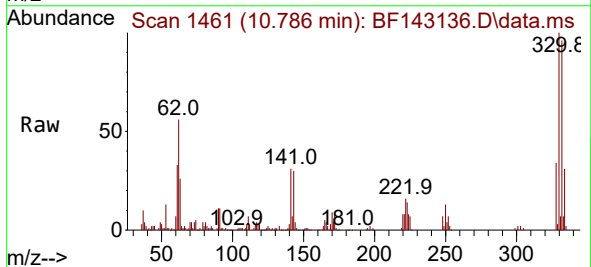
Instrument :
BNA_F
ClientSampleId :
OU4-TS-Grillo-OG-070925

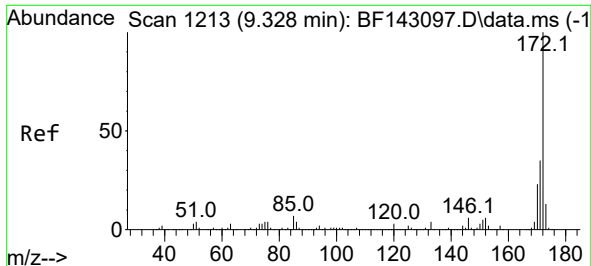
Tgt Ion:164 Resp: 206095
Ion Ratio Lower Upper
164 100
162 98.8 79.0 118.6
160 44.0 35.8 53.6



#42
2,4,6-Tribromophenol
Concen: 66.228 ng
RT: 10.786 min Scan# 1461
Delta R.T. -0.006 min
Lab File: BF143136.D
Acq: 17 Jul 2025 05:00

Tgt Ion:330 Resp: 121703
Ion Ratio Lower Upper
330 100
332 96.1 77.9 116.9
141 31.4 25.9 38.9

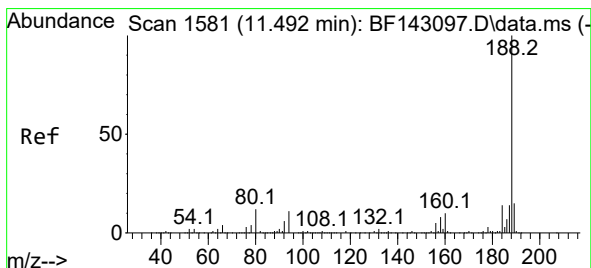
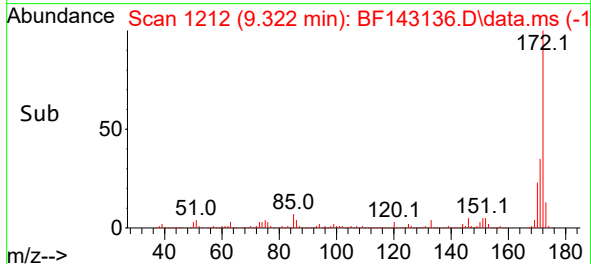
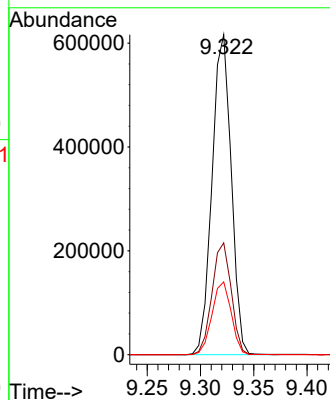
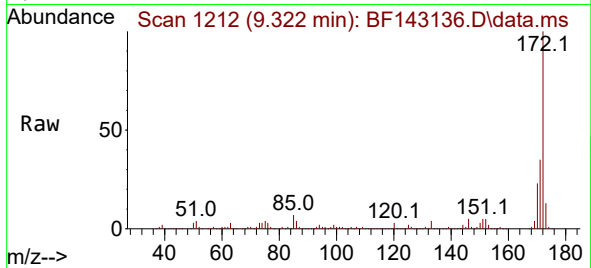




#45
2-Fluorobiphenyl
Concen: 49.653 ng
RT: 9.322 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143136.D
Acq: 17 Jul 2025 05:00

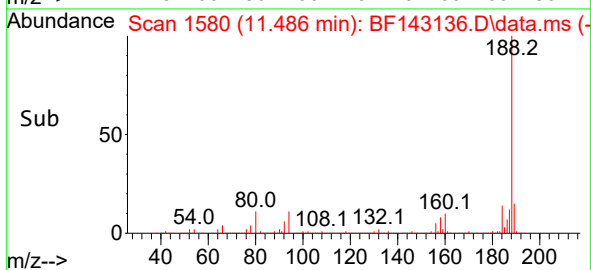
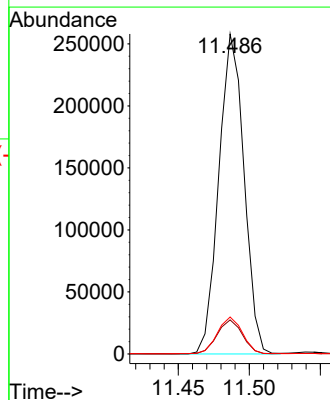
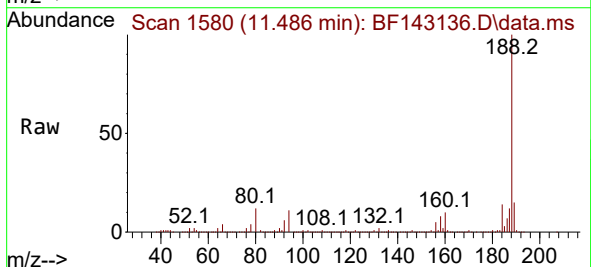
Instrument :
BNA_F
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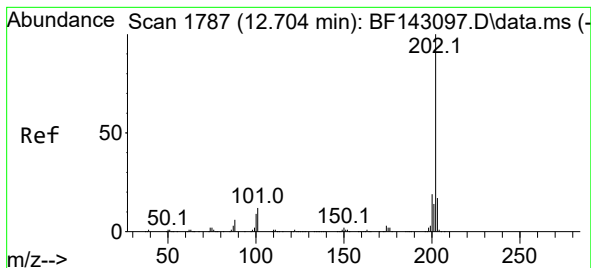
Tgt Ion:172 Resp: 769826
Ion Ratio Lower Upper
172 100
171 34.9 28.2 42.4
170 22.7 18.6 28.0



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.486 min Scan# 1580
Delta R.T. -0.006 min
Lab File: BF143136.D
Acq: 17 Jul 2025 05:00

Tgt Ion:188 Resp: 317891
Ion Ratio Lower Upper
188 100
94 10.6 8.6 13.0
80 11.5 9.3 13.9





#75

Fluoranthene

Concen: 6.292 ng

RT: 12.698 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF143136.D

Acq: 17 Jul 2025 05:00

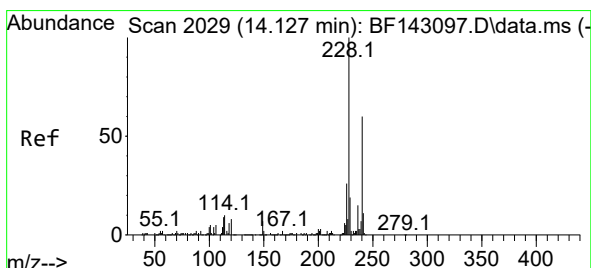
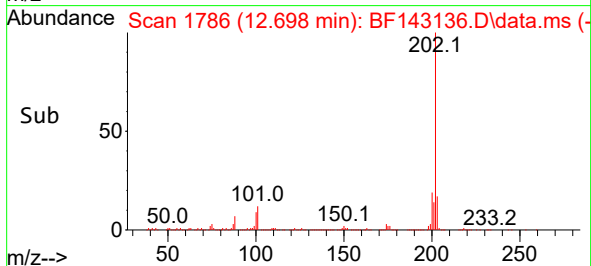
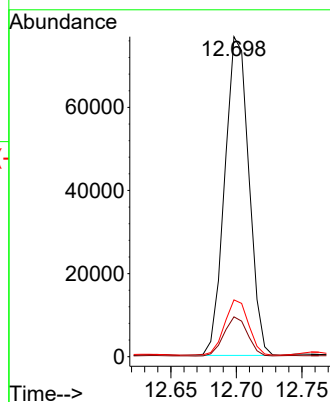
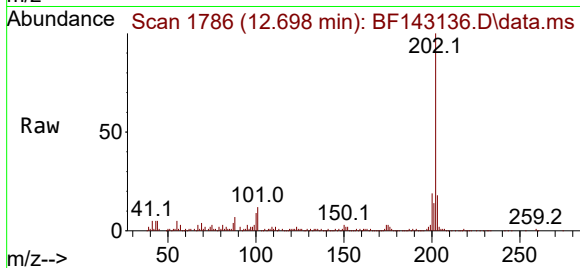
Instrument :

BNA_F

ClientSampleId :

OU4-TS-Grillo-OG-070925

Tgt Ion:	202	Resp:	98156
Ion Ratio	Lower	Upper	
202	100		
101	12.4	0.0	32.4
203	17.7	0.0	37.4



#76

Chrysene-d12

Concen: 20.000 ng

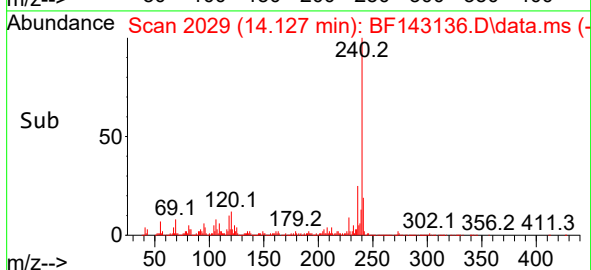
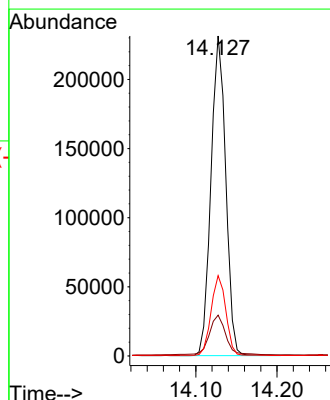
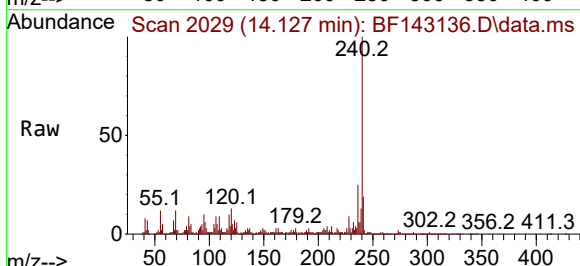
RT: 14.127 min Scan# 2029

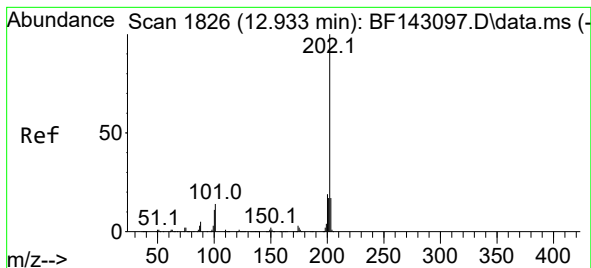
Delta R.T. 0.000 min

Lab File: BF143136.D

Acq: 17 Jul 2025 05:00

Tgt Ion:	240	Resp:	291247
Ion Ratio	Lower	Upper	
240	100		
120	12.7	10.0	15.0
236	25.1	20.0	30.0





#78

Pyrene

Concen: 3.318 ng

RT: 12.928 min Scan# 1825

Delta R.T. -0.006 min

Lab File: BF143136.D

Acq: 17 Jul 2025 05:00

Instrument :

BNA_F

ClientSampleId :

OU4-TS-Grillo-OG-070925

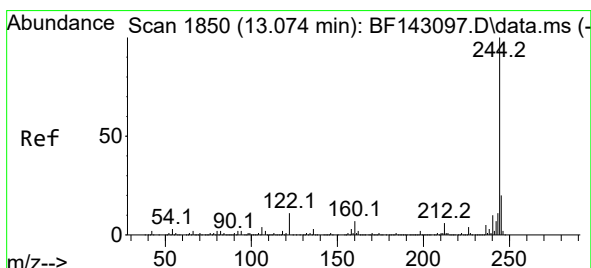
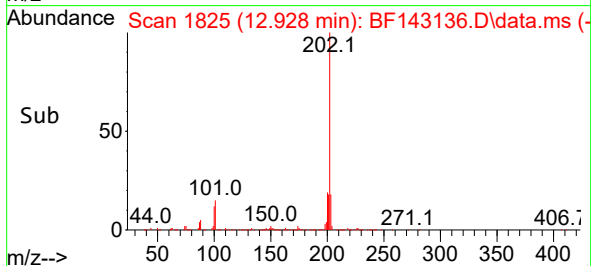
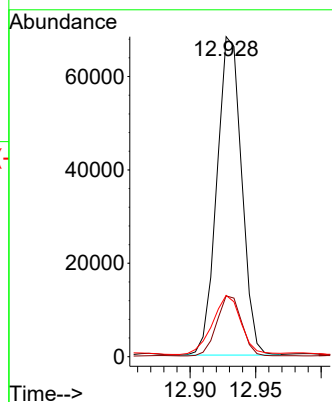
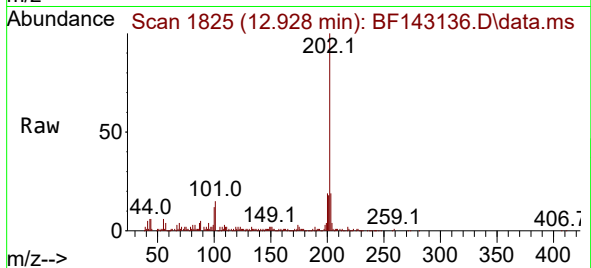
Tgt Ion:202 Resp: 89660

Ion Ratio Lower Upper

202 100

200 19.0 15.5 23.3

203 19.2 14.0 21.0



#79

Terphenyl-d14

Concen: 32.774 ng

RT: 13.075 min Scan# 1850

Delta R.T. 0.000 min

Lab File: BF143136.D

Acq: 17 Jul 2025 05:00

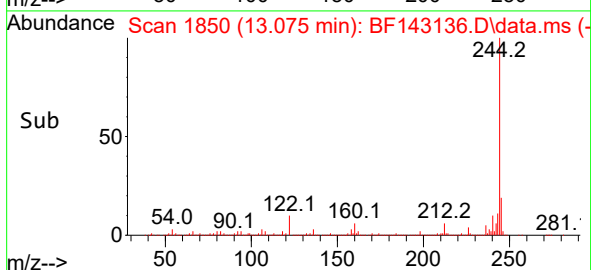
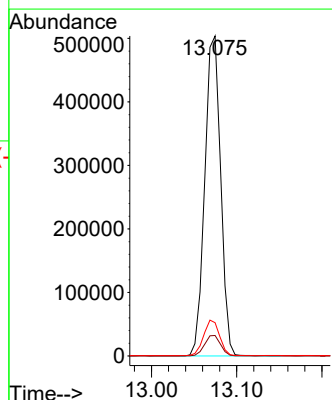
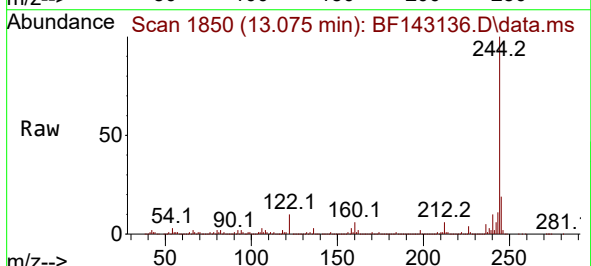
Tgt Ion:244 Resp: 652972

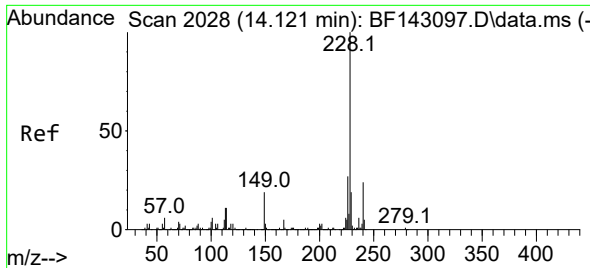
Ion Ratio Lower Upper

244 100

212 6.4 5.2 7.8

122 10.4 8.8 13.2

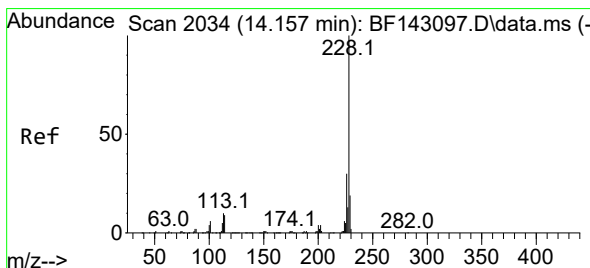
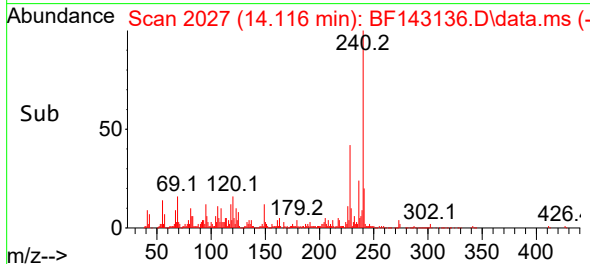
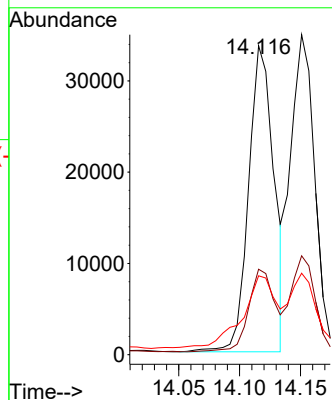
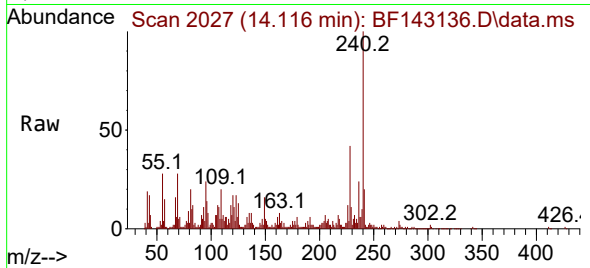




#81
Benzo(a)anthracene
Concen: 2.506 ng
RT: 14.116 min Scan# 2028
Delta R.T. -0.006 min
Lab File: BF143136.D
Acq: 17 Jul 2025 05:00

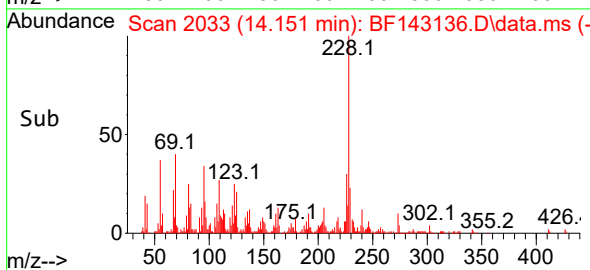
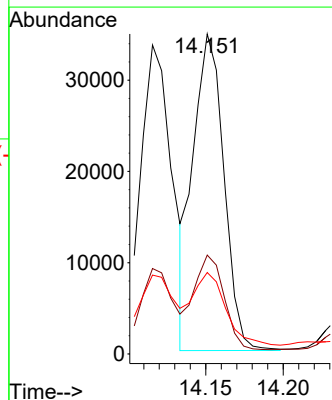
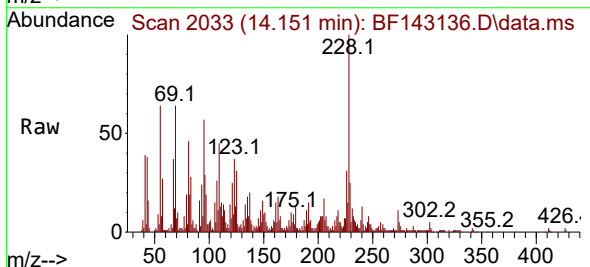
Instrument :
BNA_F
ClientSampleId :
OU4-TS-Grillo-OG-070925

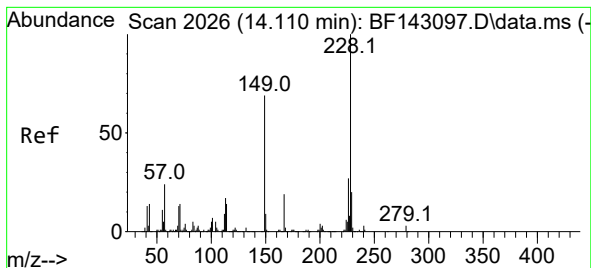
Tgt Ion:228 Resp: 48640
Ion Ratio Lower Upper
228 100
226 27.7 21.3 31.9
229 25.5 15.5 23.3#



#83
Chrysene
Concen: 2.671 ng
RT: 14.151 min Scan# 2033
Delta R.T. -0.006 min
Lab File: BF143136.D
Acq: 17 Jul 2025 05:00

Tgt Ion:228 Resp: 47737
Ion Ratio Lower Upper
228 100
226 30.9 23.4 35.2
229 25.5 15.3 22.9#





#84

Bis(2-ethylhexyl)phthalate

Concen: 7.020 ng

RT: 14.110 min Scan# 2026

Delta R.T. -0.000 min

Lab File: BF143136.D

Acq: 17 Jul 2025 05:00

Instrument :

BNA_F

ClientSampleId :

OU4-TS-Grillo-OG-070925

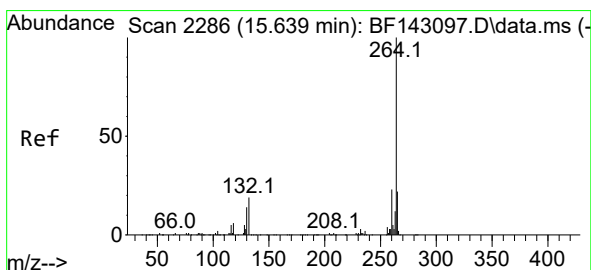
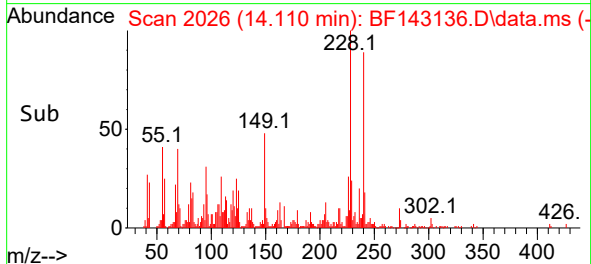
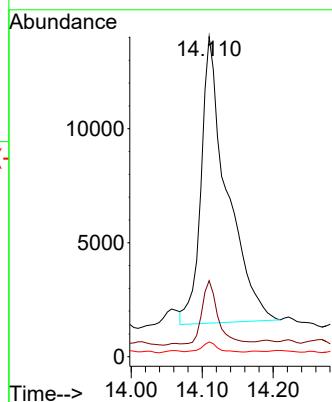
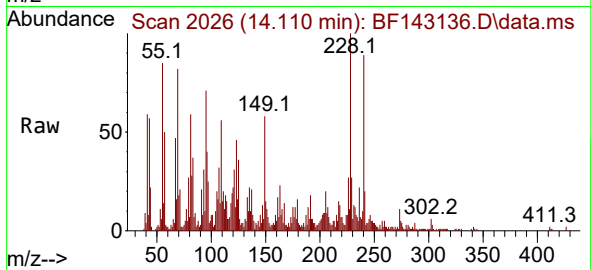
Tgt Ion:149 Resp: 31813

Ion Ratio Lower Upper

149 100

167 23.8 21.9 32.9

279 4.6 3.4 5.0



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.639 min Scan# 2286

Delta R.T. 0.000 min

Lab File: BF143136.D

Acq: 17 Jul 2025 05:00

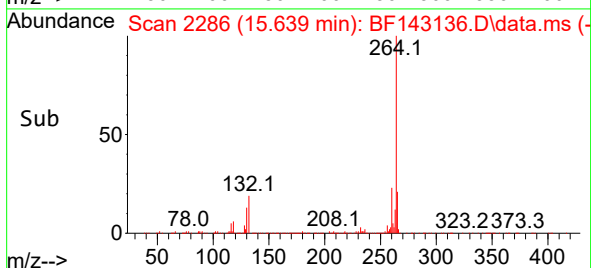
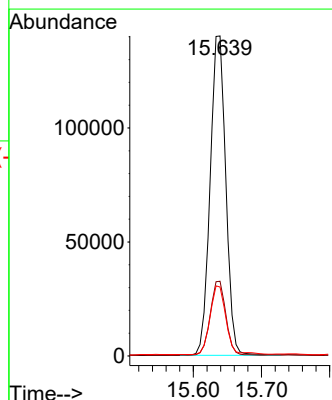
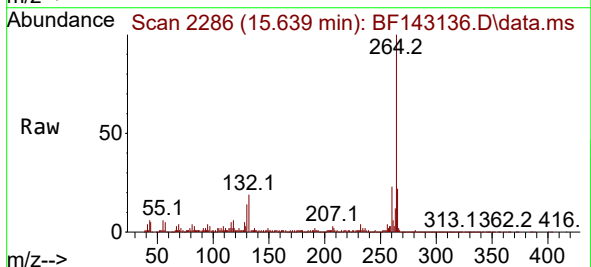
Tgt Ion:264 Resp: 224121

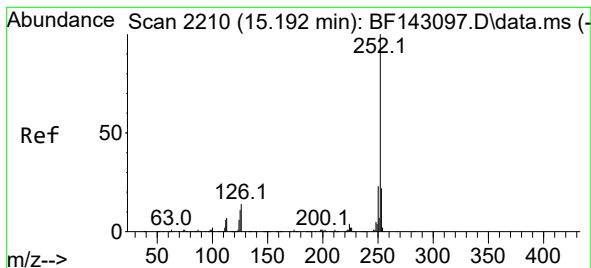
Ion Ratio Lower Upper

264 100

260 23.3 18.5 27.7

265 21.5 17.5 26.3





#88

Benzo(b)fluoranthene

Concen: 3.756 ng m

RT: 15.192 min Scan# 2210

Delta R.T. 0.000 min

Lab File: BF143136.D

Acq: 17 Jul 2025 05:00

Instrument :

BNA_F

ClientSampleId :

OU4-TS-Grillo-OG-070925

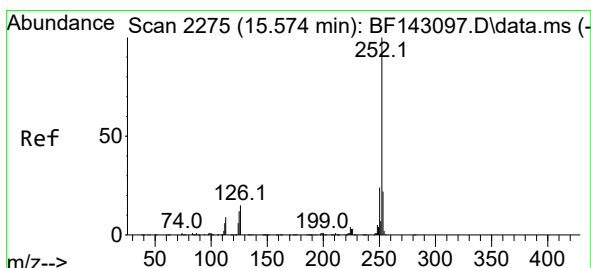
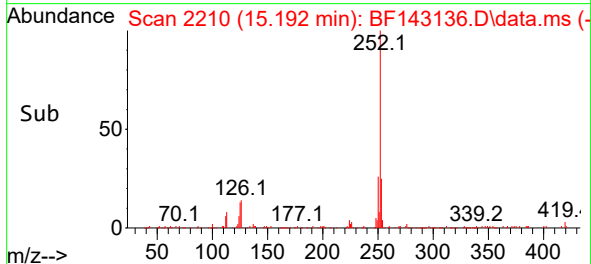
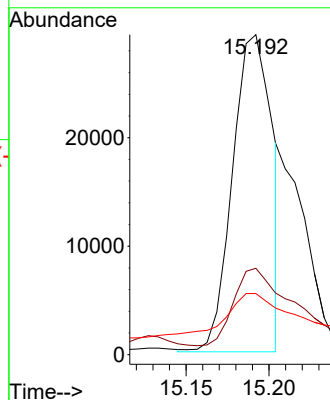
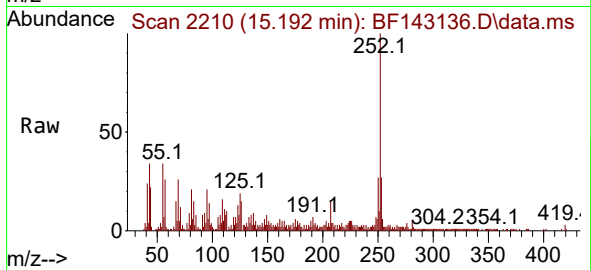
Tgt Ion:252 Resp: 48558

Ion Ratio Lower Upper

252 100

253 27.0 17.5 26.3#

125 19.1 8.6 13.0#



#90

Benzo(a)pyrene

Concen: 2.566 ng

RT: 15.569 min Scan# 2274

Delta R.T. -0.006 min

Lab File: BF143136.D

Acq: 17 Jul 2025 05:00

Tgt Ion:252 Resp: 31369

Ion Ratio Lower Upper

252 100

253 26.7 17.5 26.3#

125 18.4 9.4 14.0#

