

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)

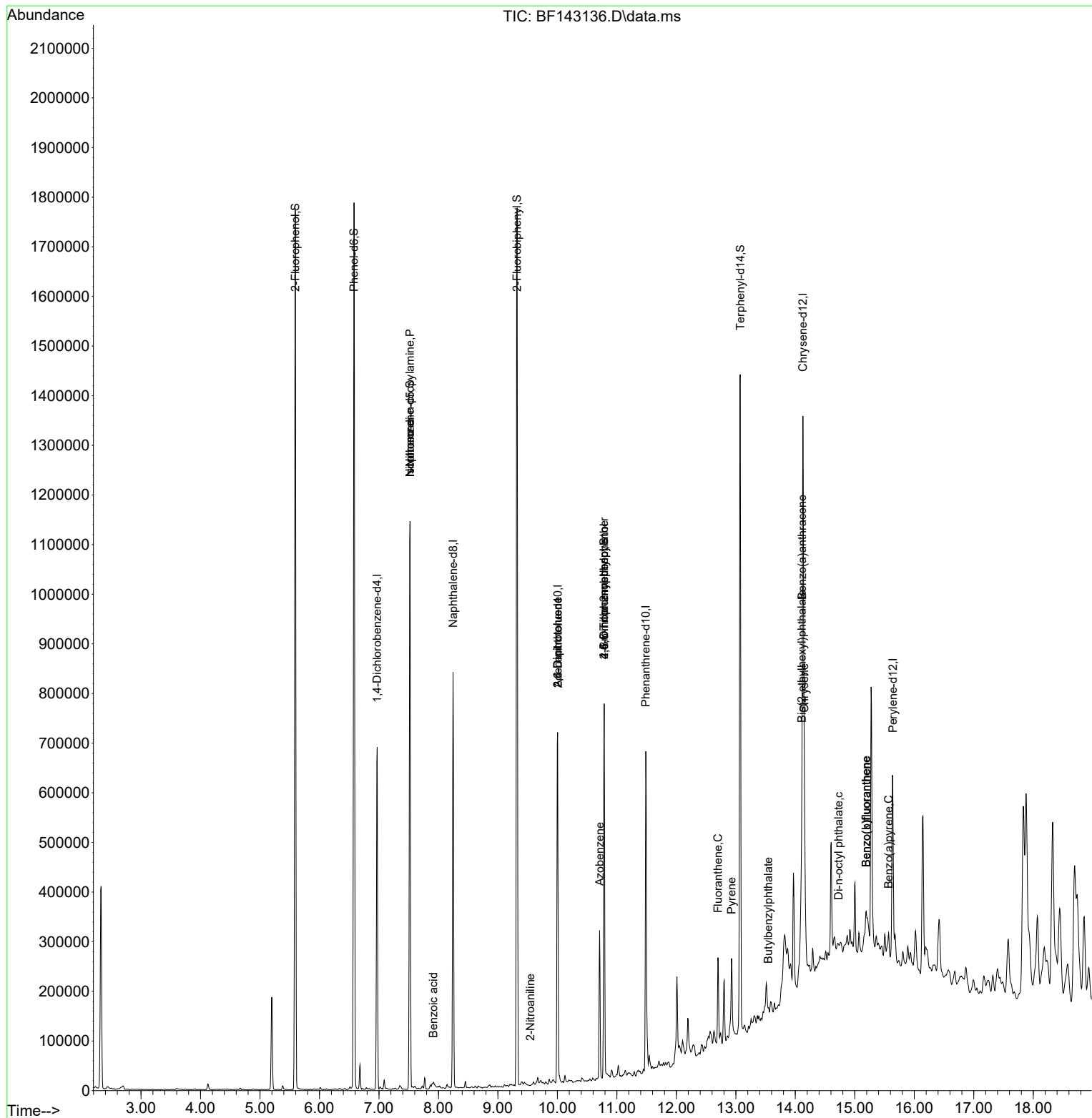
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.969	152	142532	20.000	ng	0.00
21) Naphthalene-d8	8.245	136	490921	20.000	ng	0.00
39) Acenaphthene-d10	10.004	164	206095	20.000	ng	0.00
64) Phenanthrene-d10	11.486	188	317891	20.000	ng	0.00
76) Chrysene-d12	14.127	240	291247	20.000	ng	0.00
86) Perylene-d12	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
19) n-Nitroso-di-n-propyla...	7.522	70	66628	9.590	ng	# 79
25) Isophorone	7.522	82	493343	29.167	ng	# 65
32) Benzoic acid	7.916	122	5024	7.631	ng	89
48) 2-Nitroaniline	9.545	65	248	3.240	ng	# 8
51) 2,6-Dinitrotoluene	10.004	165	27322	12.839	ng	# 17
57) 2,4-Dinitrotoluene	10.004	165	27322	11.334	ng	# 20
63) Azobenzene	10.710	77	72784	5.261	ng	# 1
65) 4,6-Dinitro-2-methylph...	10.786	198	207	5.642	ng	# 1
67) 4-Bromophenyl-phenylether	10.786	248	7847	2.171	ng	# 1
75) Fluoranthene	12.698	202	98156	6.292	ng	100
78) Pyrene	12.928	202	89660	3.318	ng	98
80) Butylbenzylphthalate	13.545	149	1329	3.639	ng	# 52
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
85) Di-n-octyl phthalate	14.727	149	255	6.705	ng	# 46
88) Benzo(b)fluoranthene	15.192	252	67679	5.235	ng	# 86
89) Benzo(k)fluoranthene	15.192	252	67679	5.488	ng	# 85
90) Benzo(a)pyrene	15.569	252	31369	2.566	ng	# 87

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

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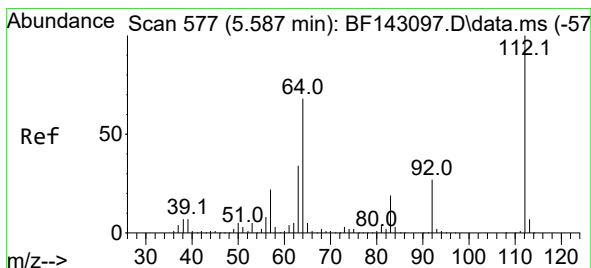
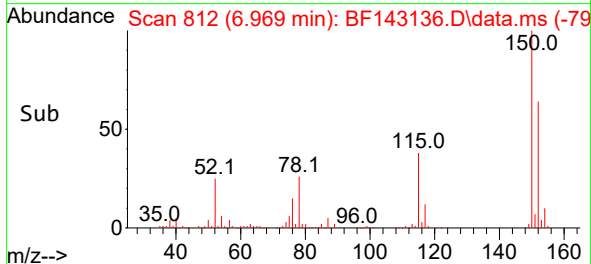
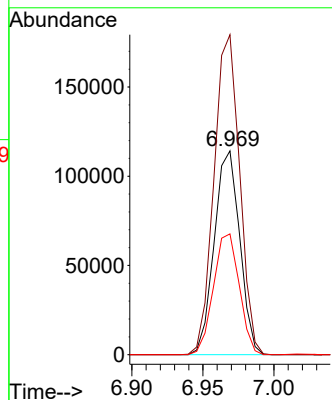
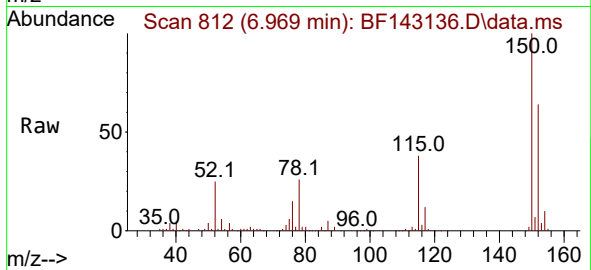




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.969 min Scan# 812
 Delta R.T. 0.000 min
 Lab File: BF143136.D
 Acq: 17 Jul 2025 05:00

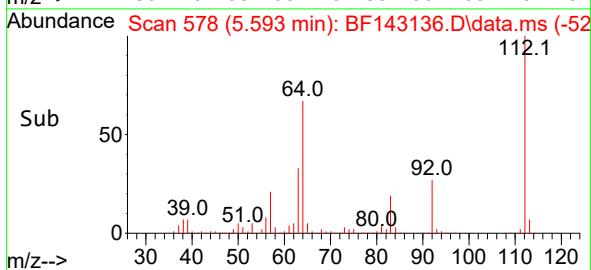
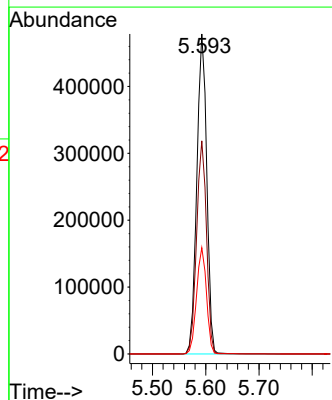
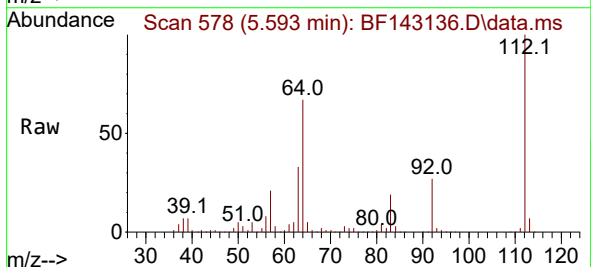
Instrument :
 BNA_F
 ClientSampleId :
 OU4-TS-Grillo-OG-070925

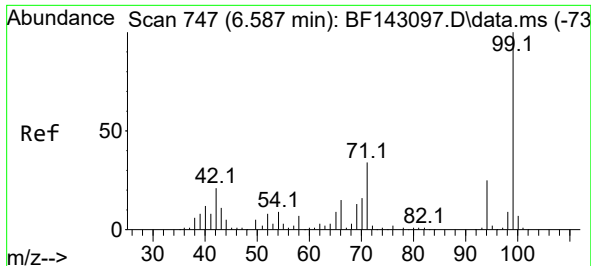
Tgt Ion:152 Resp: 142532
 Ion Ratio Lower Upper
 152 100
 150 157.0 126.5 189.7
 115 59.3 47.0 70.6



#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

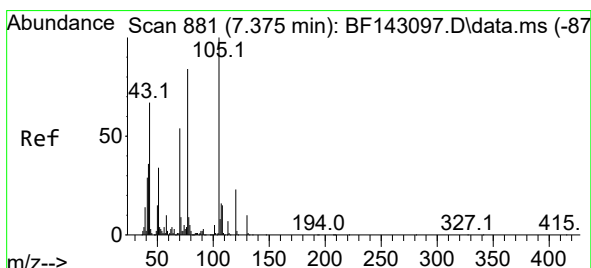
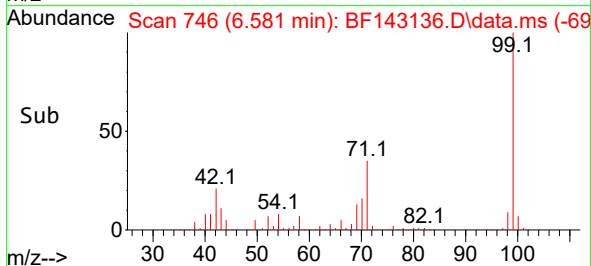
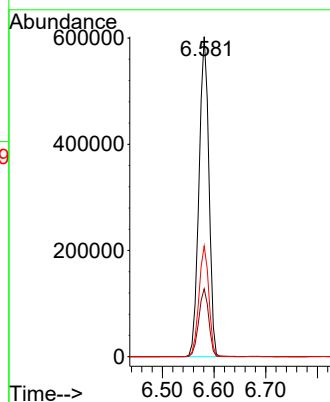
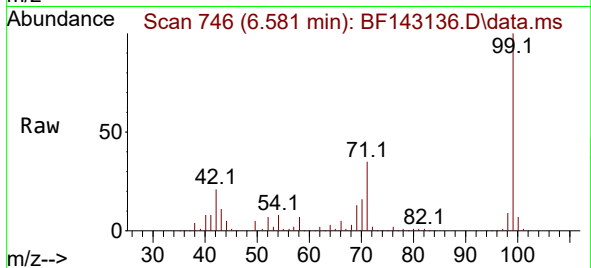




#7
Phenol-d6
Concen: 70.539 ng
RT: 6.581 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF143136.D
Acq: 17 Jul 2025 05:00

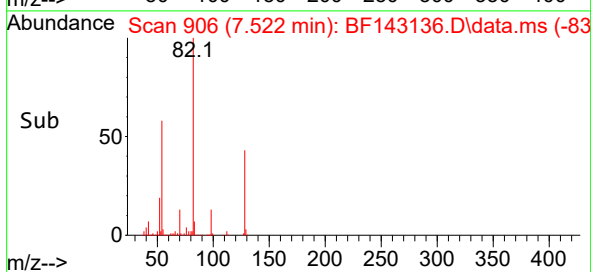
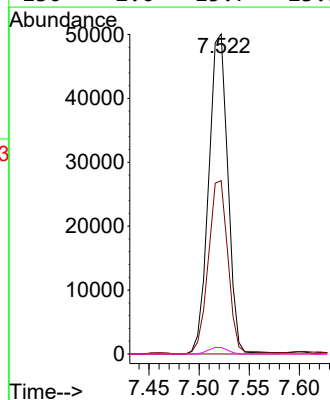
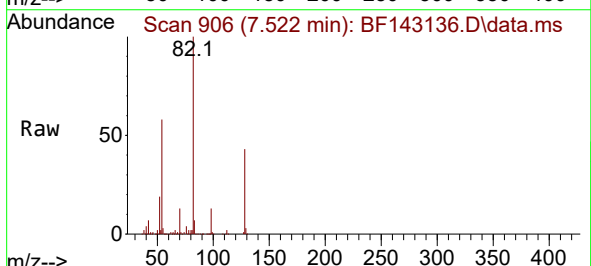
Instrument :
BNA_F
ClientSampleId :
OU4-TS-Grillo-OG-070925

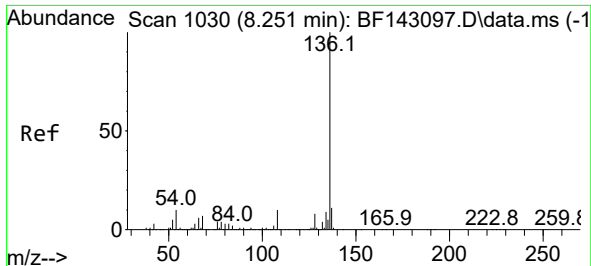
Tgt Ion: 99 Resp: 799908
Ion Ratio Lower Upper
99 100
42 21.2 17.2 25.8
71 34.6 27.4 41.0



#19
n-Nitroso-di-n-propylamine
Concen: 9.590 ng
RT: 7.522 min Scan# 906
Delta R.T. 0.147 min
Lab File: BF143136.D
Acq: 17 Jul 2025 05:00

Tgt Ion: 70 Resp: 66628
Ion Ratio Lower Upper
70 100
42 54.2 53.2 79.8
101 0.0 7.5 11.3#
130 2.0 15.7 23.5#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.245 min Scan# 1029

Delta R.T. -0.006 min

Lab File: BF143136.D

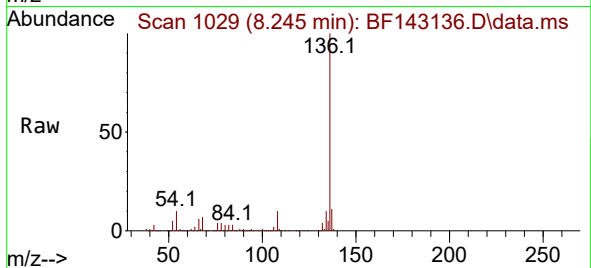
Acq: 17 Jul 2025 05:00

Instrument :

BNA_F

ClientSampleId :

OU4-TS-Grillo-OG-070925



Tgt Ion:136 Resp: 490921

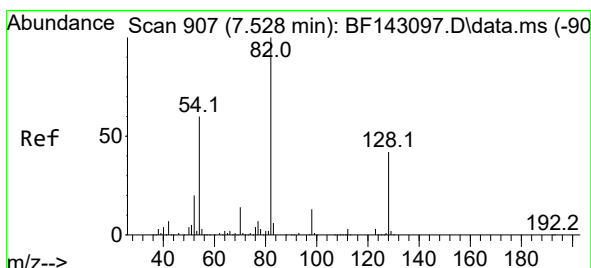
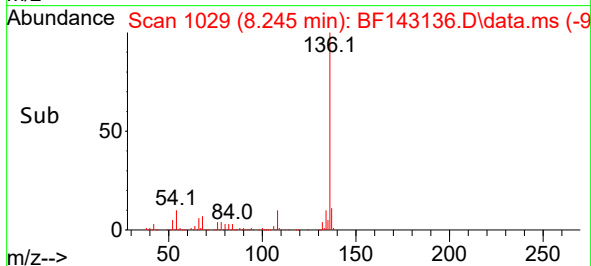
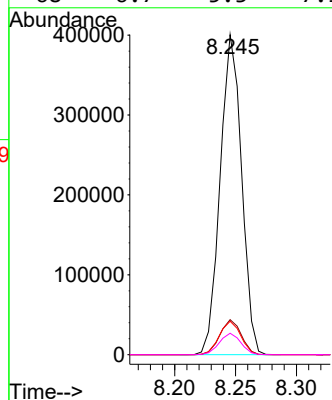
Ion Ratio Lower Upper

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# 906

Delta R.T. -0.006 min

Lab File: BF143136.D

Acq: 17 Jul 2025 05:00

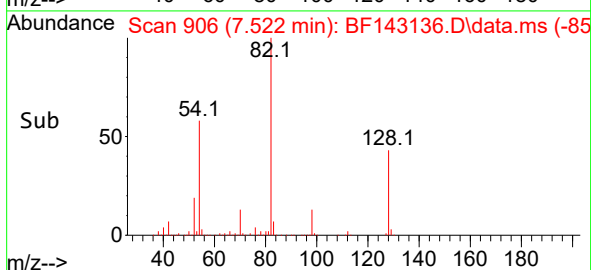
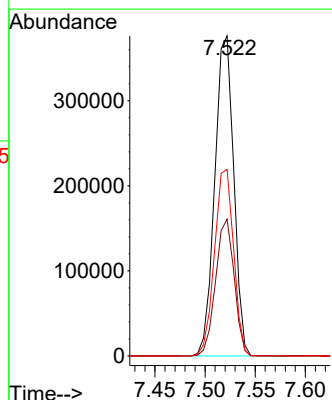
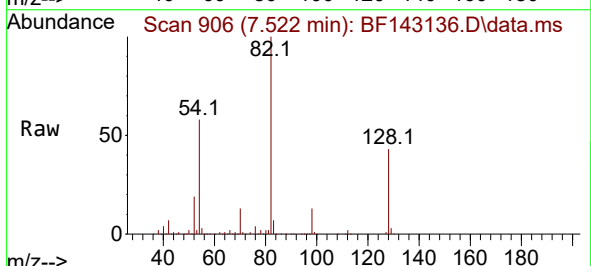
Tgt Ion: 82 Resp: 494539

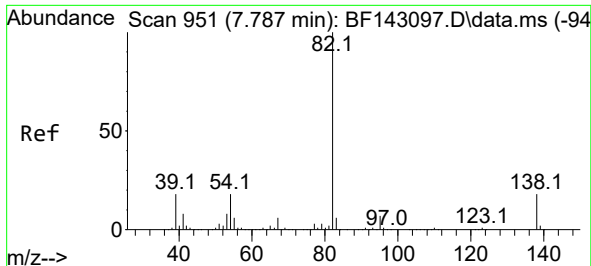
Ion Ratio Lower Upper

82 100

128 42.8 33.3 49.9

54 58.3 47.4 71.2

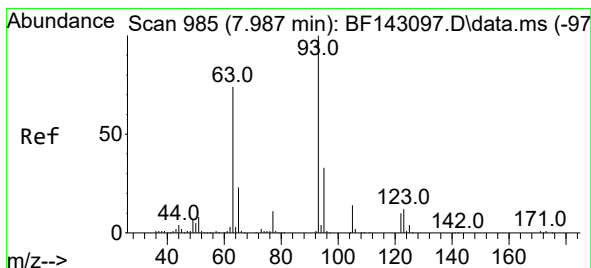
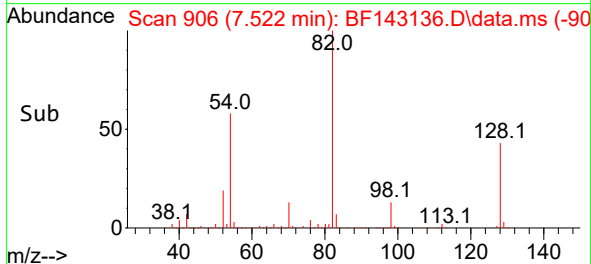
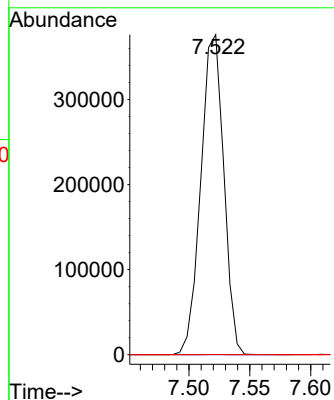
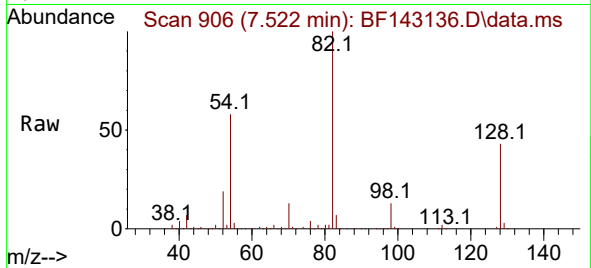




#25
Isophorone
Concen: 29.167 ng
RT: 7.522 min Scan# 906
Delta R.T. -0.265 min
Lab File: BF143136.D
Acq: 17 Jul 2025 05:00

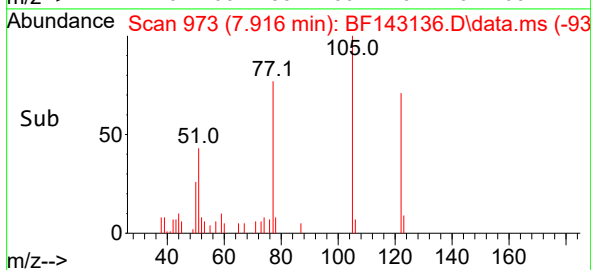
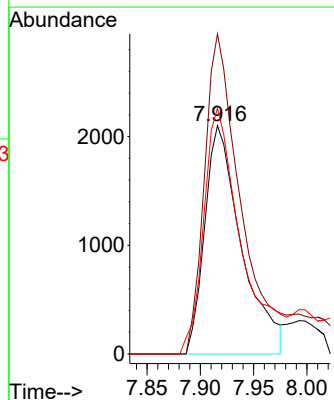
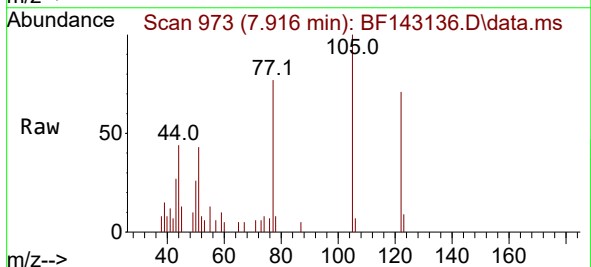
Instrument :
BNA_F
ClientSampleId :
OU4-TS-Grillo-OG-070925

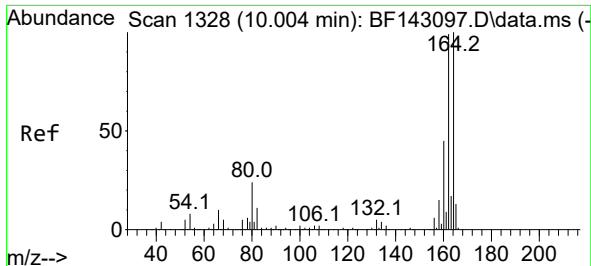
Tgt Ion: 82 Resp: 493343
Ion Ratio Lower Upper
82 100
95 0.0 5.6 8.4#
138 0.0 14.3 21.5#



#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

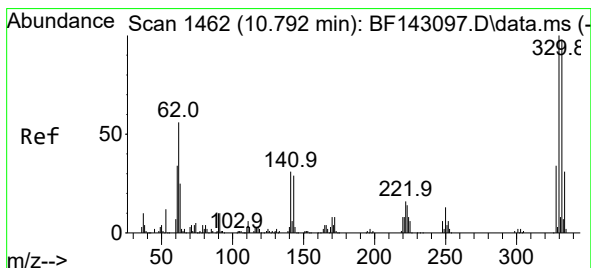
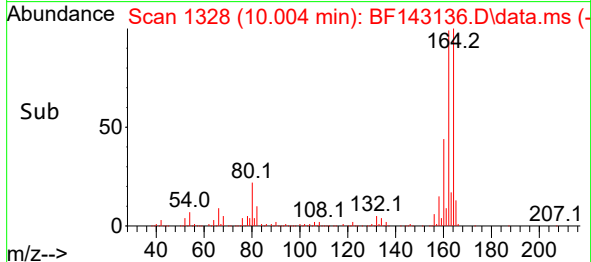
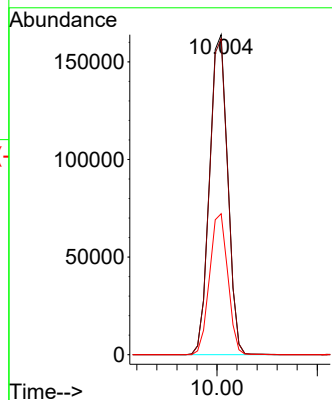
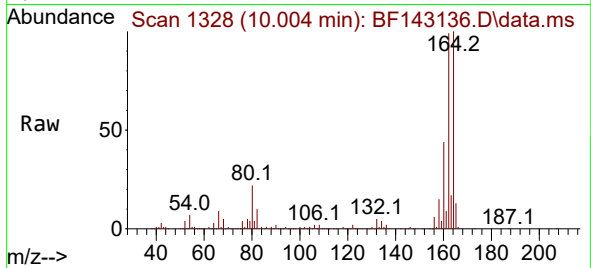




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.004 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143136.D
Acq: 17 Jul 2025 05:00

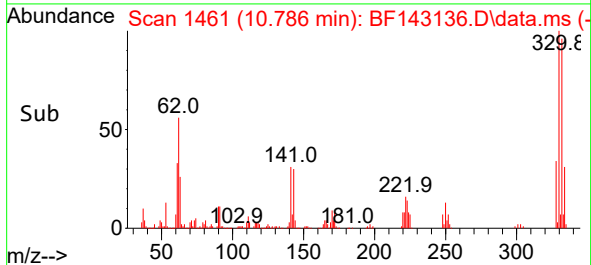
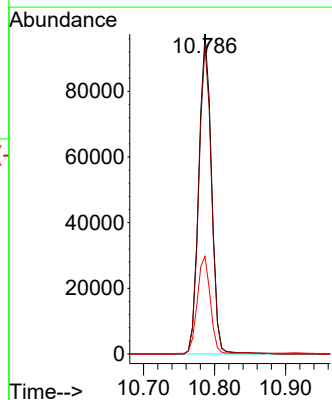
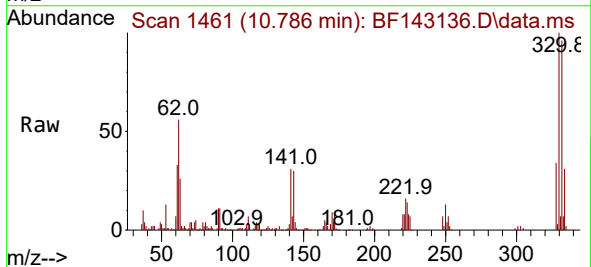
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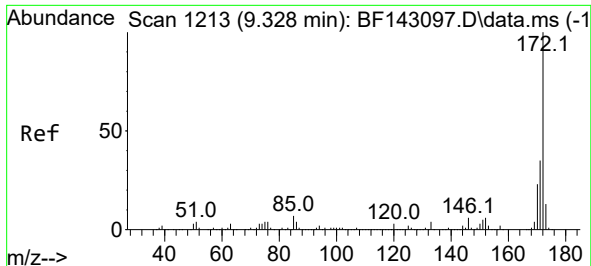
Tgt Ion:164 Resp: 206095
Ion Ratio Lower Upper
164 100
162 98.8 79.0 118.6
160 44.0 35.8 53.6



#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

ClientSampleId :

OU4-TS-Grillo-OG-070925

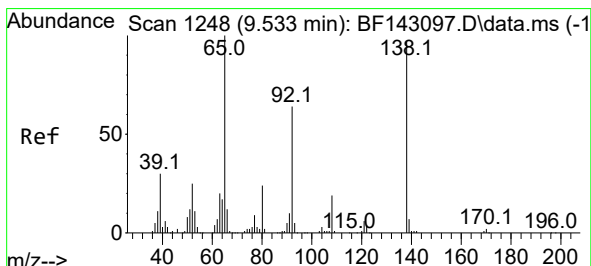
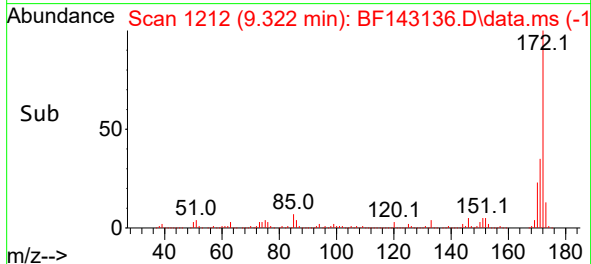
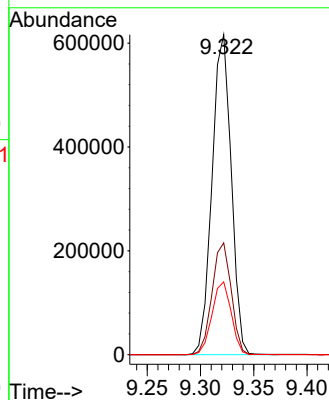
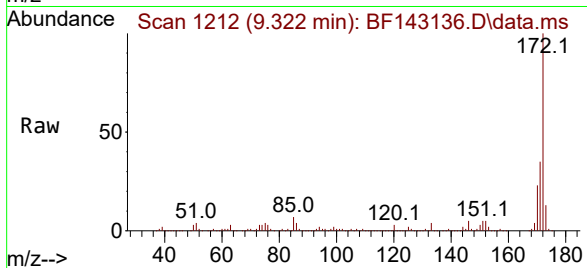
Tgt Ion:172 Resp: 769826

Ion Ratio Lower Upper

172 100

171 34.9 28.2 42.4

170 22.7 18.6 28.0



#48

2-Nitroaniline

Concen: 3.240 ng

RT: 9.545 min Scan# 1250

Delta R.T. 0.012 min

Lab File: BF143136.D

Acq: 17 Jul 2025 05:00

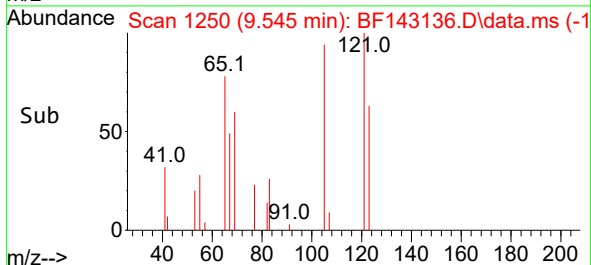
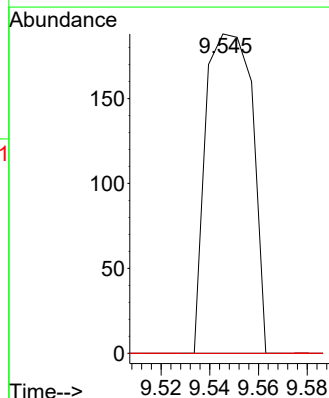
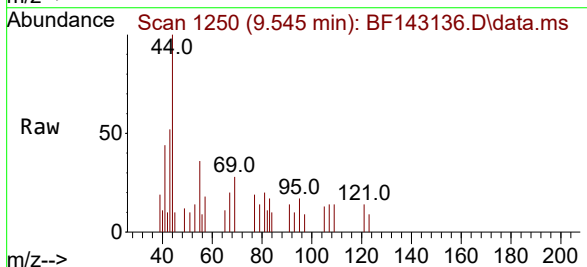
Tgt Ion: 65 Resp: 248

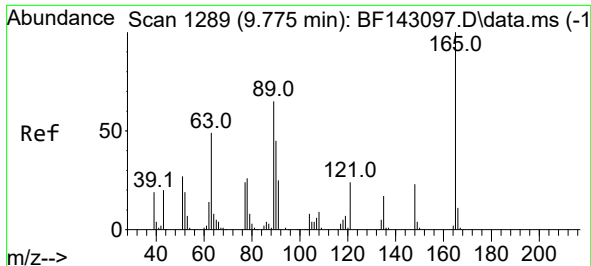
Ion Ratio Lower Upper

65 100

92 0.0 51.3 76.9#

138 0.0 77.8 116.6#

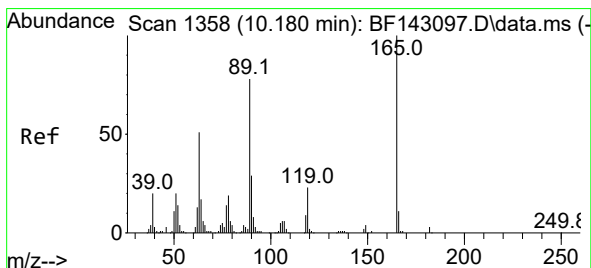
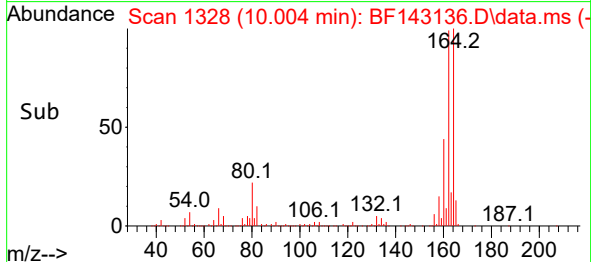
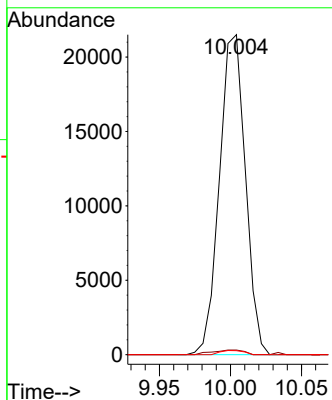
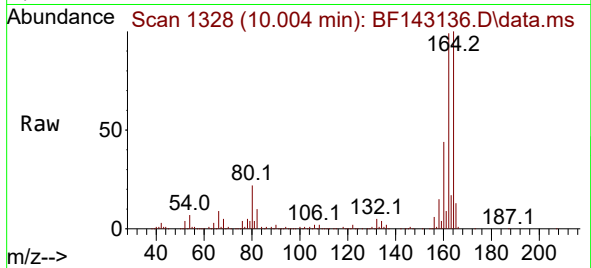




#51
2,6-Dinitrotoluene
Concen: 12.839 ng
RT: 10.004 min Scan# 1328
Delta R.T. 0.229 min
Lab File: BF143136.D
Acq: 17 Jul 2025 05:00

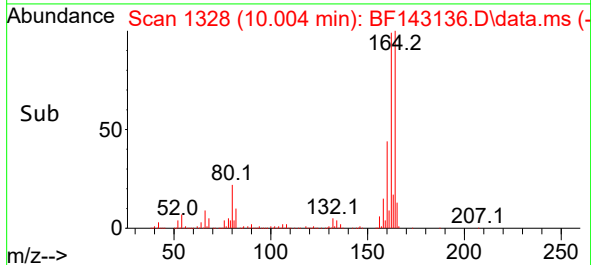
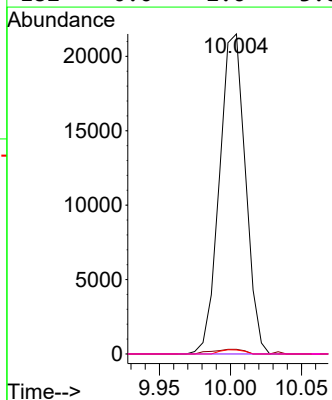
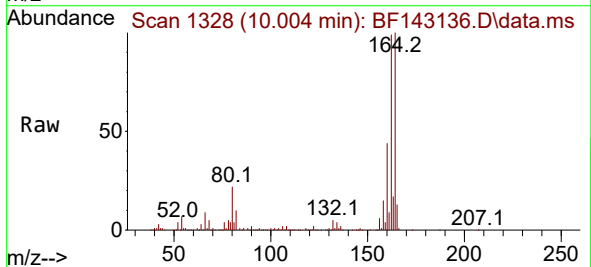
Instrument :
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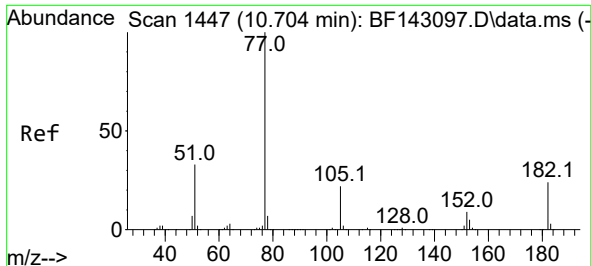
Tgt Ion:165 Resp: 27322
Ion Ratio Lower Upper
165 100
63 1.5 57.4 86.0#
89 1.3 51.8 77.8#



#57
2,4-Dinitrotoluene
Concen: 11.334 ng
RT: 10.004 min Scan# 1328
Delta R.T. -0.176 min
Lab File: BF143136.D
Acq: 17 Jul 2025 05:00

Tgt Ion:165 Resp: 27322
Ion Ratio Lower Upper
165 100
63 1.5 40.6 61.0#
89 1.3 62.3 93.5#
182 0.0 2.6 3.8#

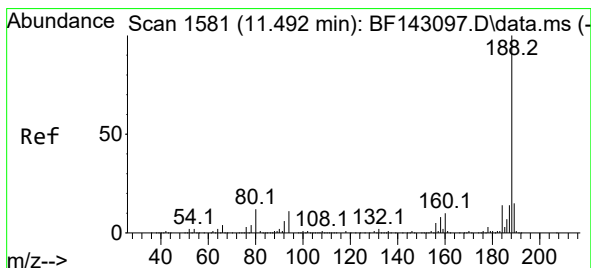
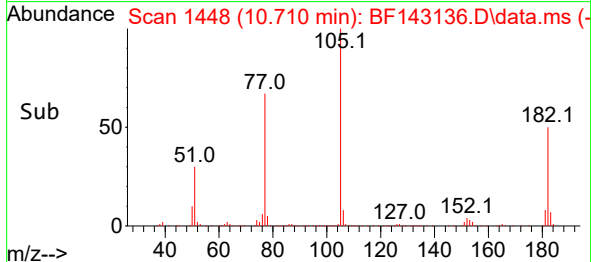
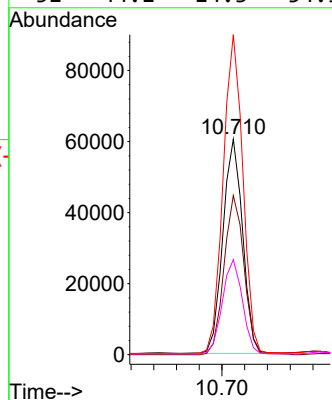
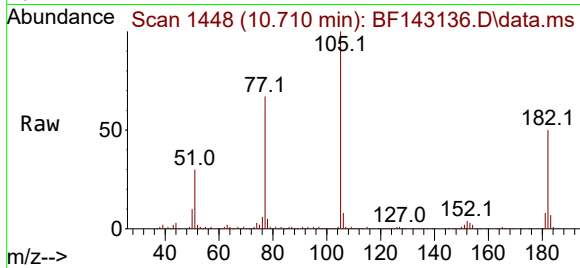




#63
Azobenzene
Concen: 5.261 ng
RT: 10.710 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF143136.D
Acq: 17 Jul 2025 05:00

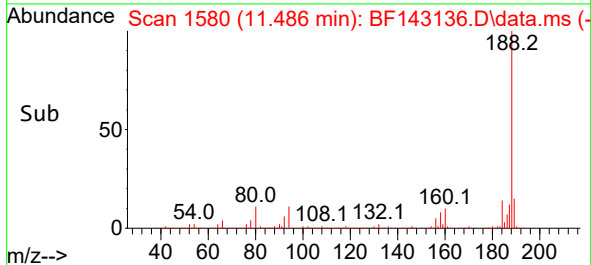
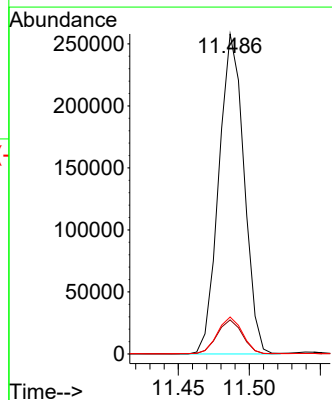
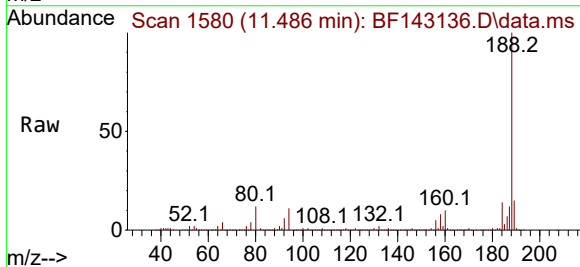
Instrument :
BNA_F
ClientSampleId :
OU4-TS-Grillo-OG-070925

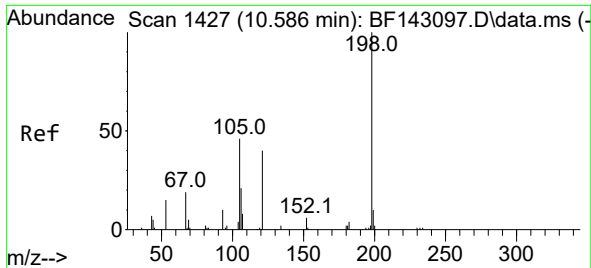
Tgt Ion: 77 Resp: 72784
Ion Ratio Lower Upper
77 100
182 73.9 4.0 44.0#
105 148.5 1.4 41.4#
51 44.1 14.3 54.3



#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

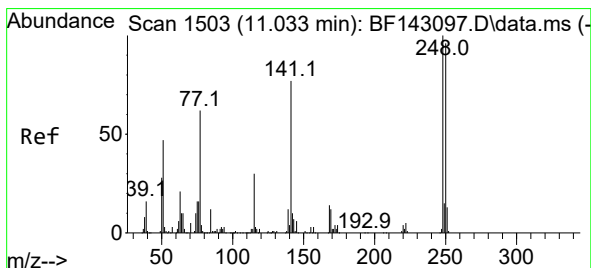
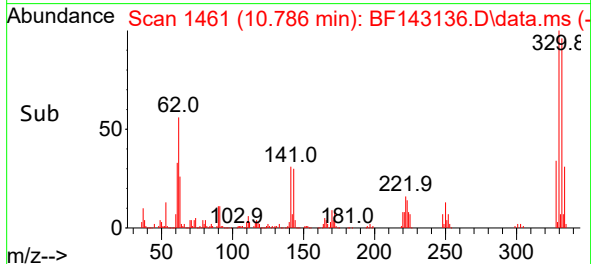
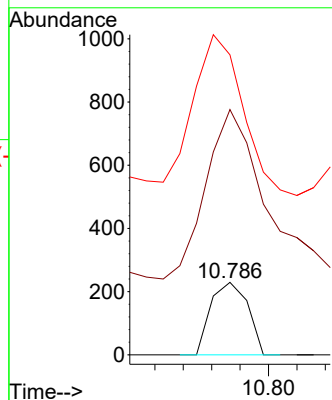
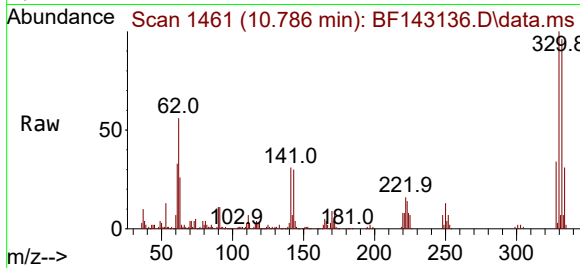




#65
4,6-Dinitro-2-methylphenol
Concen: 5.642 ng
RT: 10.786 min Scan# 1461
Delta R.T. 0.200 min
Lab File: BF143136.D
Acq: 17 Jul 2025 05:00

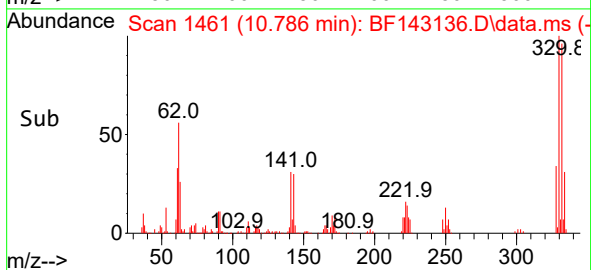
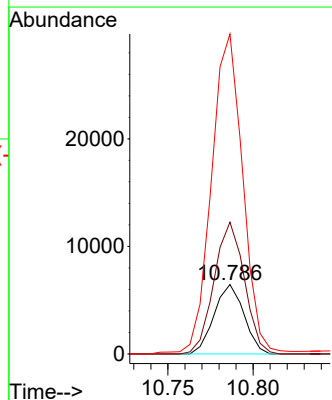
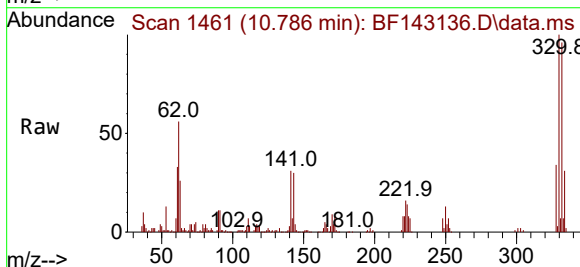
Instrument :
BNA_F
ClientSampleId :
OU4-TS-Grillo-OG-070925

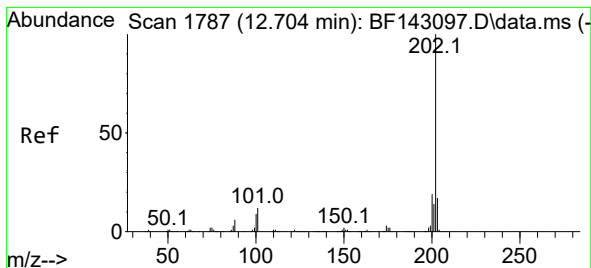
Tgt Ion:198 Resp: 207
Ion Ratio Lower Upper
198 100
51 338.9 44.6 84.6#
105 414.4 29.3 69.3#



#67
4-Bromophenyl-phenylether
Concen: 2.171 ng
RT: 10.786 min Scan# 1461
Delta R.T. -0.247 min
Lab File: BF143136.D
Acq: 17 Jul 2025 05:00

Tgt Ion:248 Resp: 7847
Ion Ratio Lower Upper
248 100
250 189.8 76.7 115.1#
141 460.5 61.7 92.5#





#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

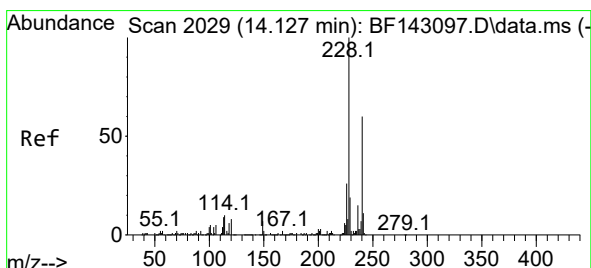
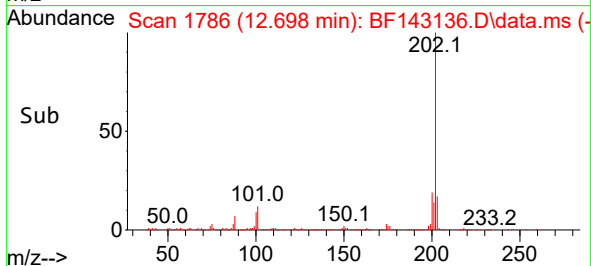
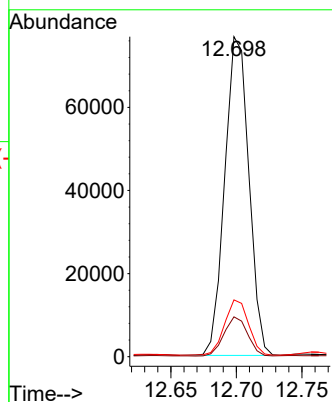
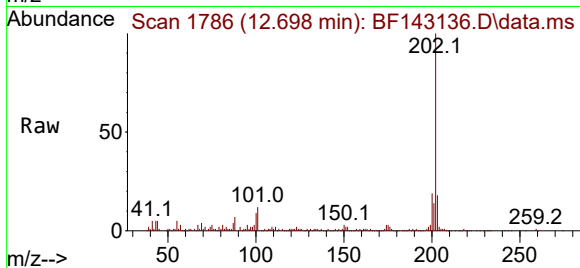
Tgt Ion:202 Resp: 98156

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

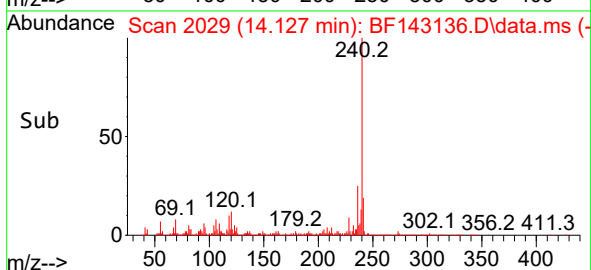
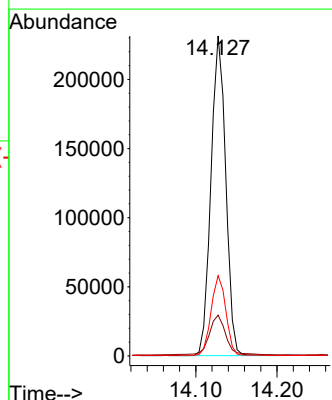
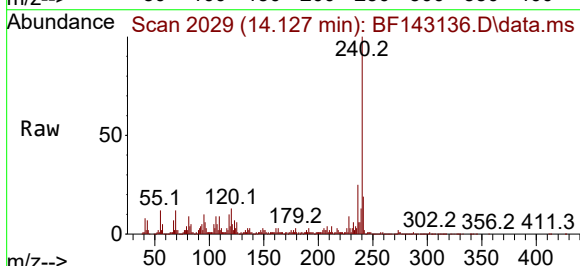
Tgt Ion:240 Resp: 291247

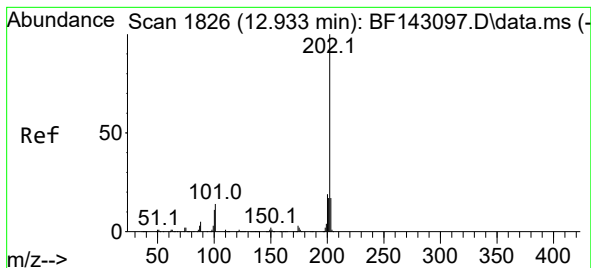
Ion Ratio Lower Upper

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

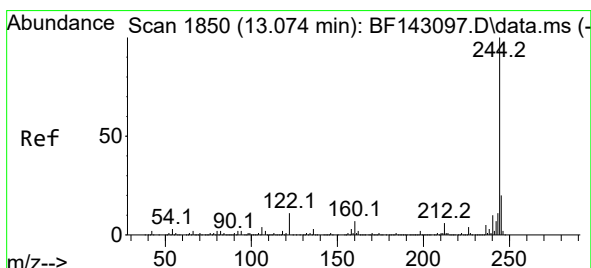
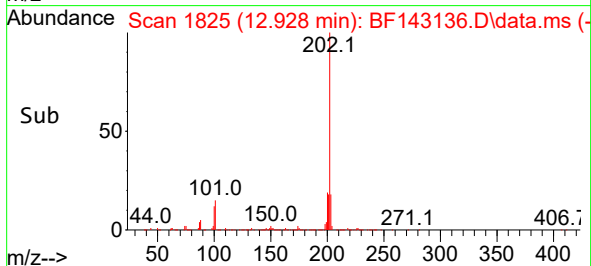
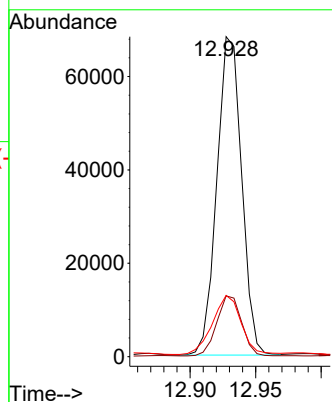
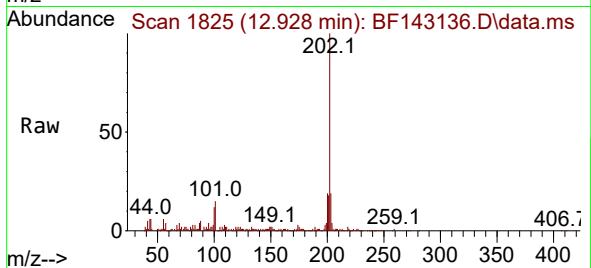
Tgt Ion:202 Resp: 89660

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

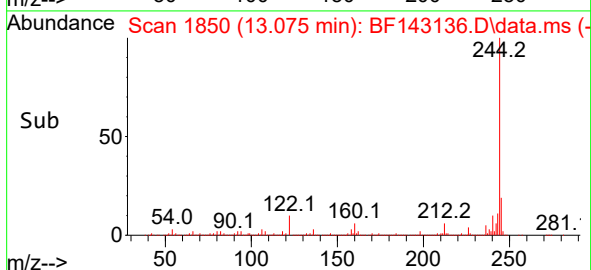
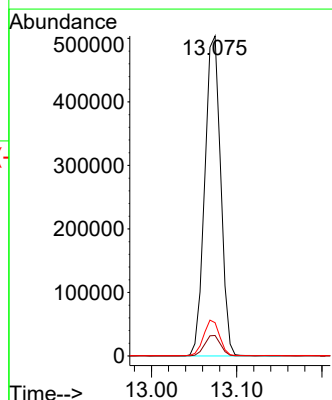
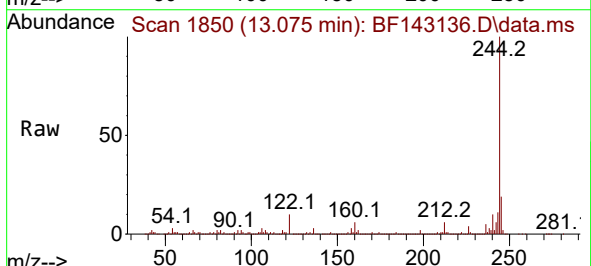
Tgt Ion:244 Resp: 652972

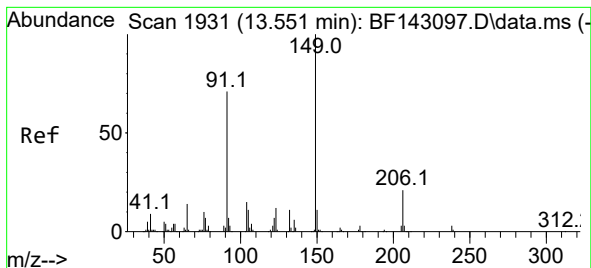
Ion Ratio Lower Upper

244 100

212 6.4 5.2 7.8

122 10.4 8.8 13.2





#80

Butylbenzylphthalate

Concen: 3.639 ng

RT: 13.545 min Scan# 1931

Delta R.T. -0.006 min

Lab File: BF143136.D

Acq: 17 Jul 2025 05:00

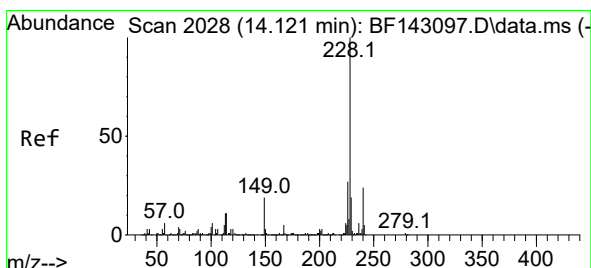
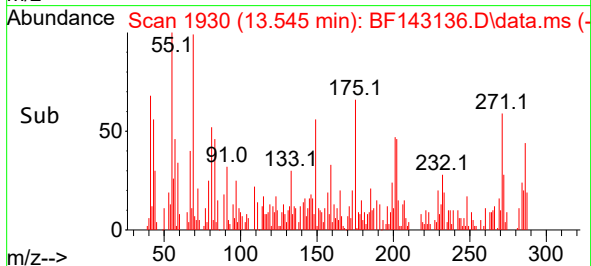
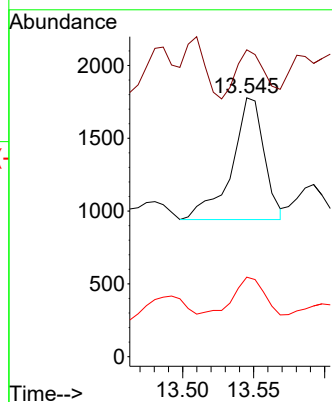
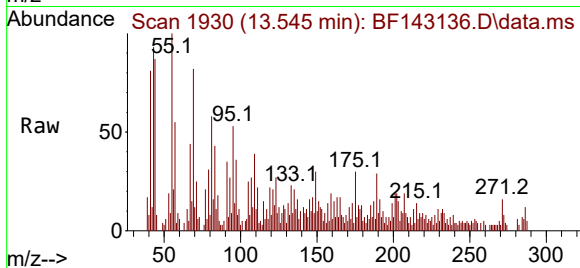
Instrument :

BNA_F

ClientSampleId :

OU4-TS-Grillo-OG-070925

Tgt Ion:	149	Resp:	1329
Ion	Ratio	Lower	Upper
149	100		
91	118.6	57.0	85.4#
206	30.7	17.2	25.8#



#81

Benzo(a)anthracene

Concen: 2.506 ng

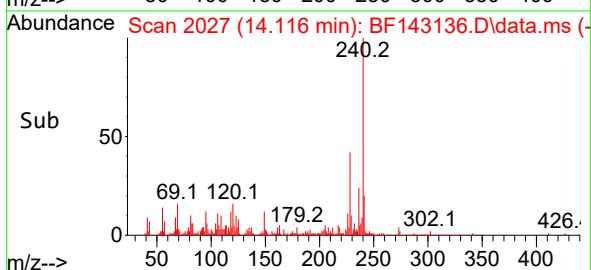
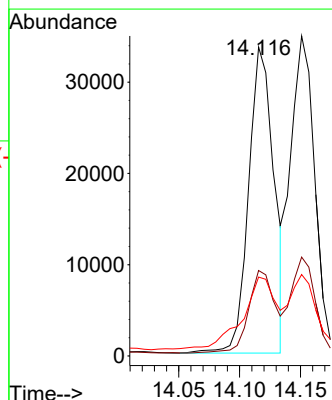
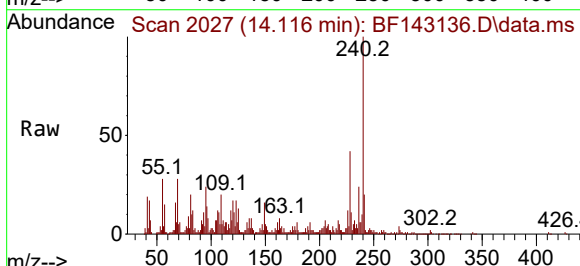
RT: 14.116 min Scan# 2027

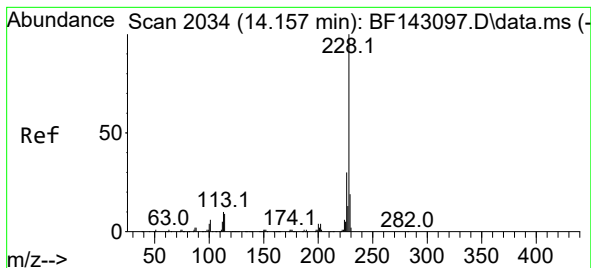
Delta R.T. -0.006 min

Lab File: BF143136.D

Acq: 17 Jul 2025 05:00

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

Instrument :

BNA_F

ClientSampleId :

OU4-TS-Grillo-OG-070925

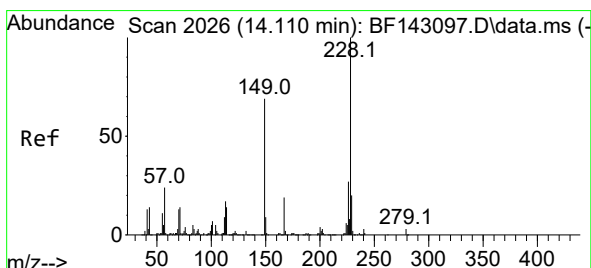
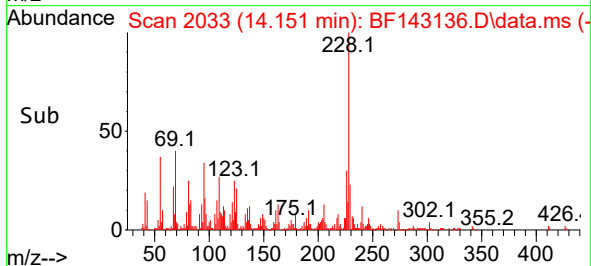
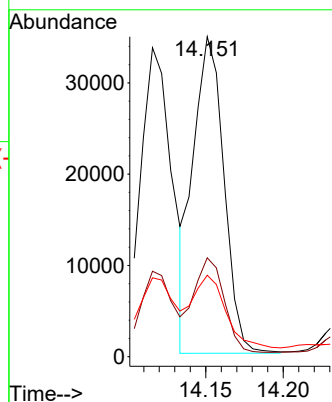
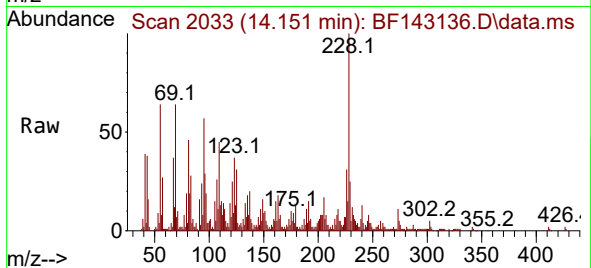
Tgt Ion:228 Resp: 47737

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

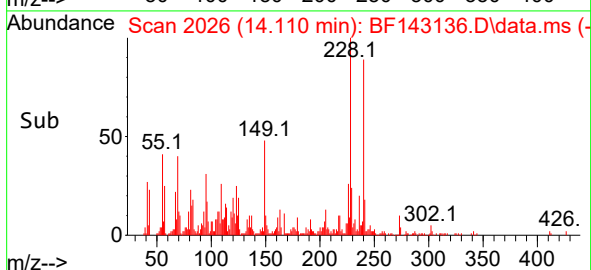
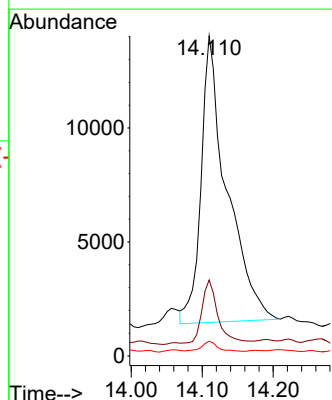
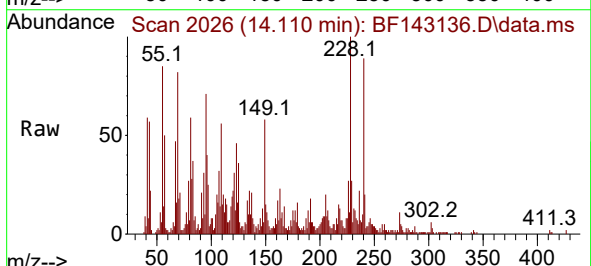
Tgt Ion:149 Resp: 31813

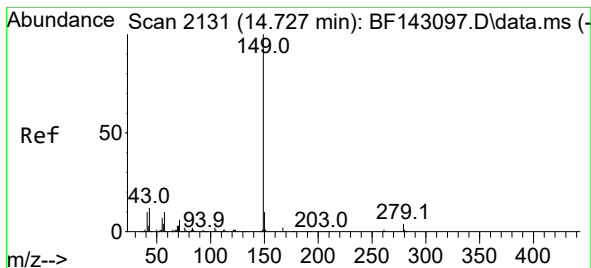
Ion Ratio Lower Upper

149 100

167 23.8 21.9 32.9

279 4.6 3.4 5.0





#85

Di-n-octyl phthalate

Concen: 6.705 ng

RT: 14.727 min Scan# 2131

Delta R.T. 0.000 min

Lab File: BF143136.D

Acq: 17 Jul 2025 05:00

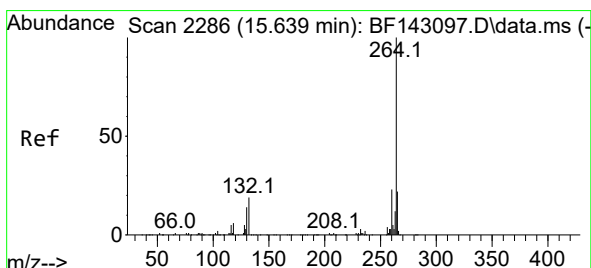
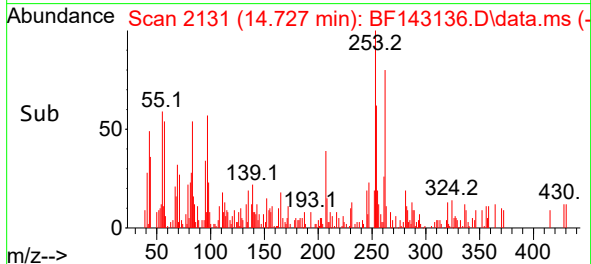
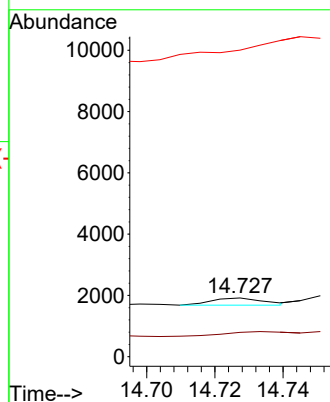
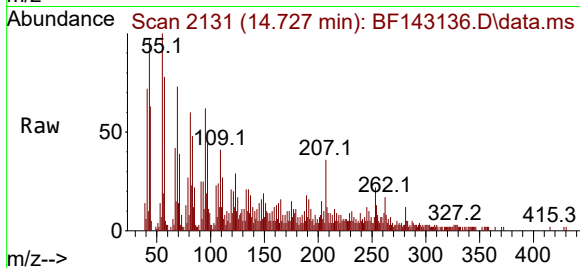
Instrument :

BNA_F

ClientSampleId :

OU4-TS-Grillo-OG-070925

Tgt Ion:	149	Resp:	255
Ion Ratio	Lower	Upper	
149	100		
167	91.8	1.2	1.8#
43	0.0	10.6	16.0#



#86

Perylene-d12

Concen: 20.000 ng

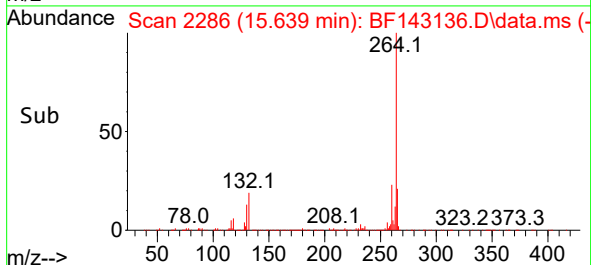
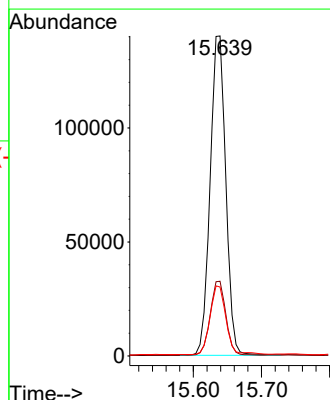
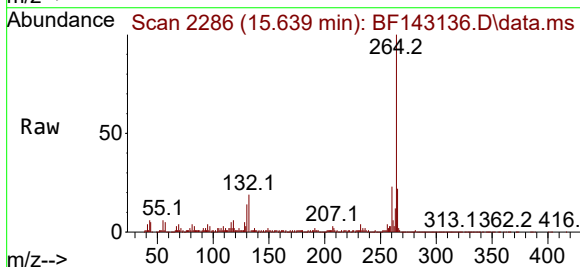
RT: 15.639 min Scan# 2286

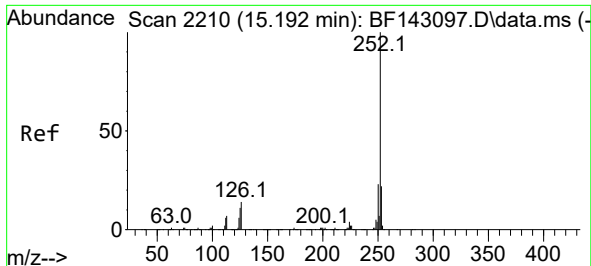
Delta R.T. 0.000 min

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

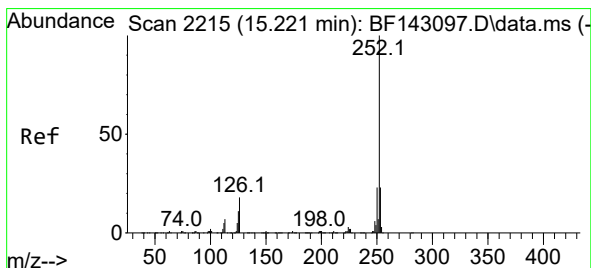
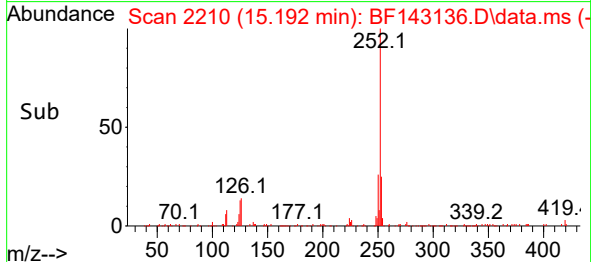
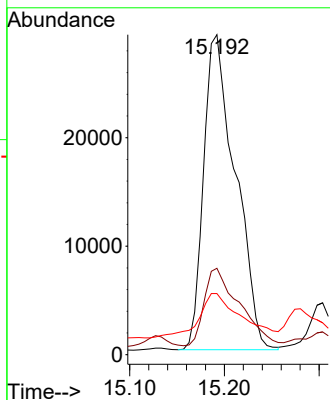
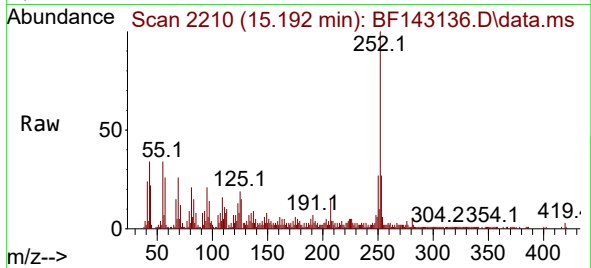




#88
Benzo(b)fluoranthene
Concen: 5.235 ng
RT: 15.192 min Scan# 2210
Delta R.T. 0.000 min
Lab File: BF143136.D
Acq: 17 Jul 2025 05:00

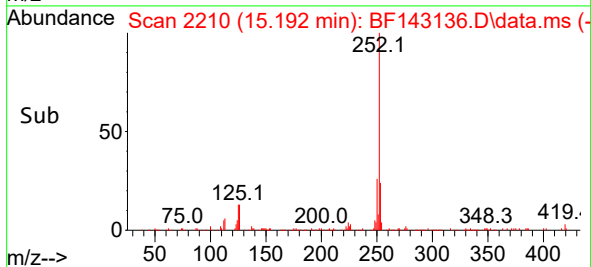
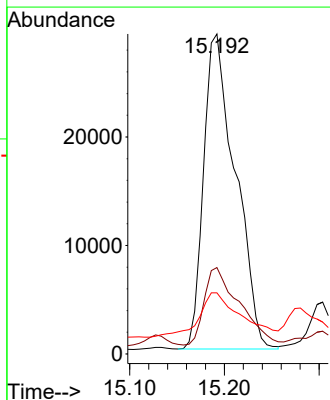
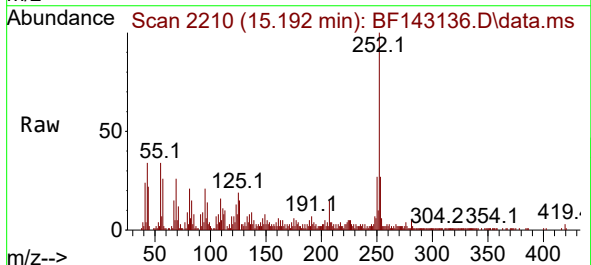
Instrument :
BNA_F
ClientSampleId :
OU4-TS-Grillo-OG-070925

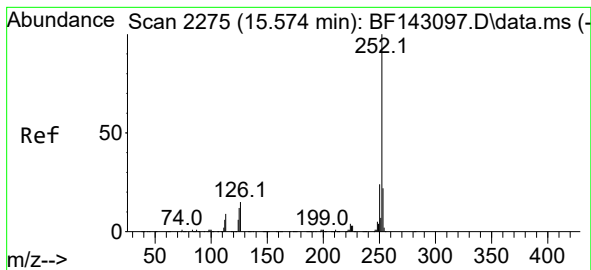
Tgt Ion:252 Resp: 67679
Ion Ratio Lower Upper
252 100
253 27.0 17.5 26.3#
125 19.1 8.6 13.0#



#89
Benzo(k)fluoranthene
Concen: 5.488 ng
RT: 15.192 min Scan# 2210
Delta R.T. -0.029 min
Lab File: BF143136.D
Acq: 17 Jul 2025 05:00

Tgt Ion:252 Resp: 67679
Ion Ratio Lower Upper
252 100
253 27.0 17.4 26.2#
125 19.1 8.5 12.7#





#90

Benzo(a)pyrene

Concen: 2.566 ng

RT: 15.569 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF143136.D

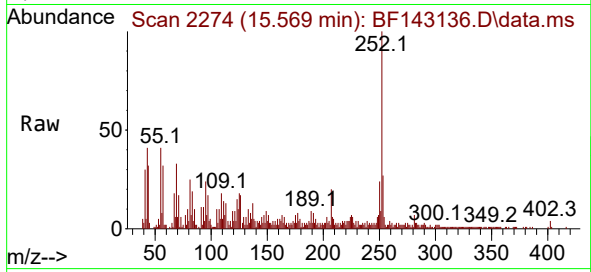
Acq: 17 Jul 2025 05:00

Instrument :

BNA_F

ClientSampleId :

OU4-TS-Grillo-OG-070925



Tgt Ion:252 Resp: 31369

Ion Ratio Lower Upper

252 100

253 26.7 17.5 26.3#

125 18.4 9.4 14.0#

