

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080525\
 Data File : BF143311.D
 Acq On : 05 Aug 2025 13:01
 Operator : RC/JU
 Sample : Q2747-07
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OU4-TS-GRILLO-TSCP01-073125

Quant Time: Aug 05 13:29:50 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

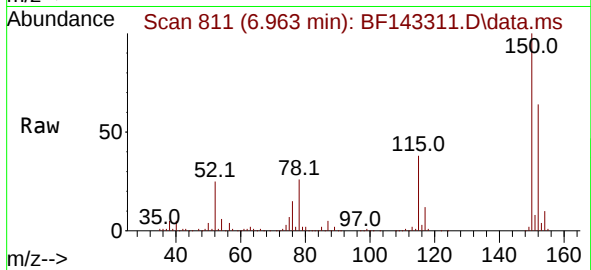
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.963	152	129995	20.000	ng	0.00
21) Naphthalene-d8	8.240	136	487756	20.000	ng	0.00
39) Acenaphthene-d10	9.998	164	228245	20.000	ng	0.00
64) Phenanthrene-d10	11.486	188	315254	20.000	ng	0.00
76) Chrysene-d12	14.127	240	238738	20.000	ng	0.00
86) Perylene-d12	15.639	264	200028	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.593	112	608610	74.088	ng	0.00
7) Phenol-d6	6.587	99	781098	75.543	ng	0.00
23) Nitrobenzene-d5	7.516	82	495547	50.643	ng	0.00
42) 2,4,6-Tribromophenol	10.786	330	148725	63.075	ng	0.00
45) 2-Fluorobiphenyl	9.316	172	839103	50.278	ng	0.00
79) Terphenyl-d14	13.069	244	646423	40.293	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.516	70	66260	9.988	ng	# 80
25) Isophorone	7.516	82	491237	28.438	ng	# 66
32) Benzoic acid	7.957	122	426	5.262	ng	91
51) 2,6-Dinitrotoluene	9.998	165	29678	9.806	ng	# 23
57) 2,4-Dinitrotoluene	9.998	165	29803	7.849	ng	# 21
63) Azobenzene	10.704	77	43128	2.814	ng	# 1
65) 4,6-Dinitro-2-methylph...	10.786	198	263	5.554	ng	# 1
67) 4-Bromophenyl-phenylether	10.786	248	9289	2.472	ng	# 1
75) Fluoranthene	12.698	202	69136	4.500	ng	97
78) Pyrene	12.927	202	58855	2.889	ng	98
81) Benzo(a)anthracene	14.116	228	47782	2.989	ng	# 89
83) Chrysene	14.151	228	57772	4.020	ng	# 95
84) Bis(2-ethylhexyl)phtha...	14.104	149	26361	2.791	ng	98
88) Benzo(b)fluoranthene	15.192	252	102000	8.347	ng	# 91
89) Benzo(k)fluoranthene	15.192	252	102000	9.354	ng	# 92
90) Benzo(a)pyrene	15.569	252	36380	3.231	ng	# 83
92) Benzo(g,h,i)perylene	17.651	276	25346	2.282	ng	# 91

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

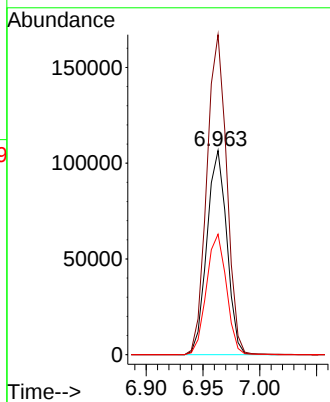
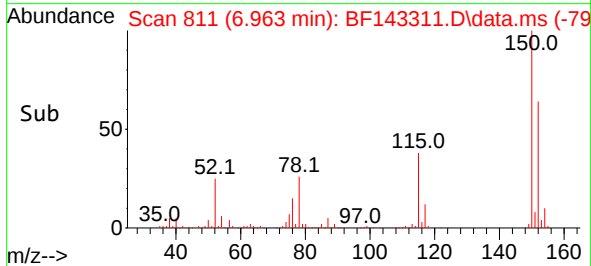


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.963 min Scan# 811
Delta R.T. 0.000 min
Lab File: BF143311.D
Acq: 05 Aug 2025 13:01

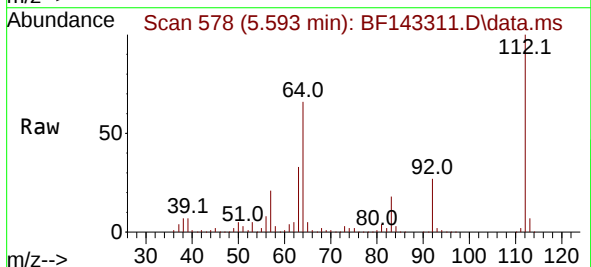
Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP01-073125



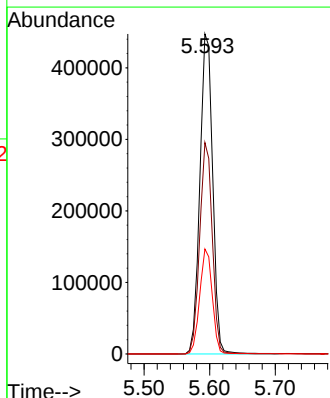
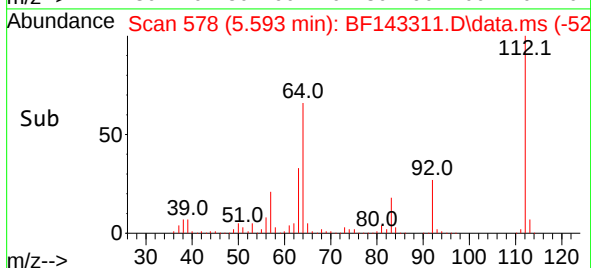
Tgt Ion:152 Resp: 129995
Ion Ratio Lower Upper
152 100
150 156.8 128.2 192.4
115 59.0 47.9 71.9

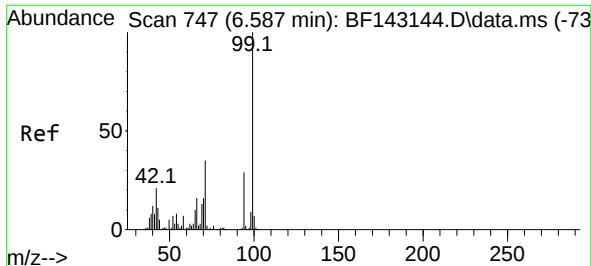


#5
2-Fluorophenol
Concen: 74.088 ng
RT: 5.593 min Scan# 578
Delta R.T. 0.006 min
Lab File: BF143311.D
Acq: 05 Aug 2025 13:01



Tgt Ion:112 Resp: 608610
Ion Ratio Lower Upper
112 100
64 66.1 53.1 79.7
63 32.8 26.6 40.0

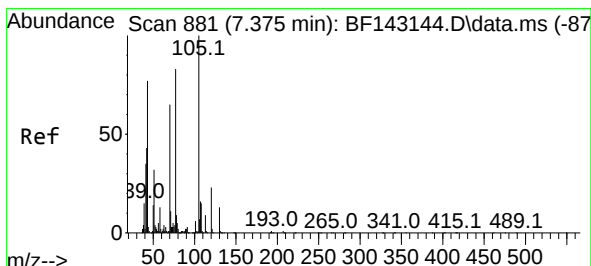
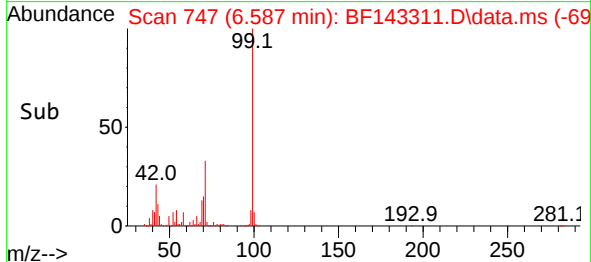
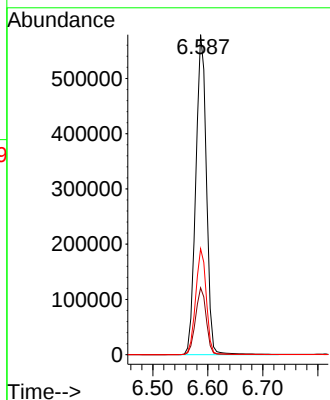
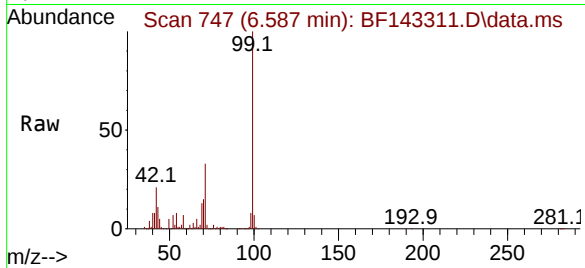




#7
Phenol-d6
Concen: 75.543 ng
RT: 6.587 min Scan# 747
Delta R.T. 0.000 min
Lab File: BF143311.D
Acq: 05 Aug 2025 13:01

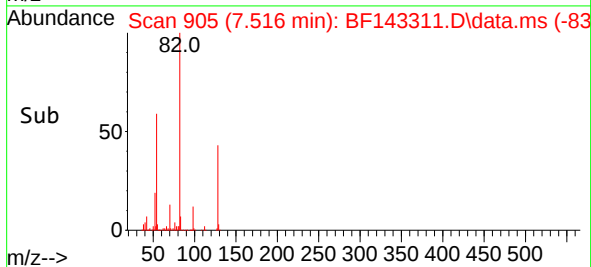
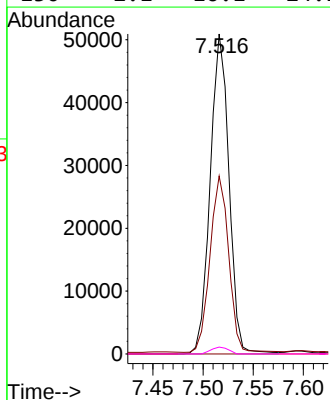
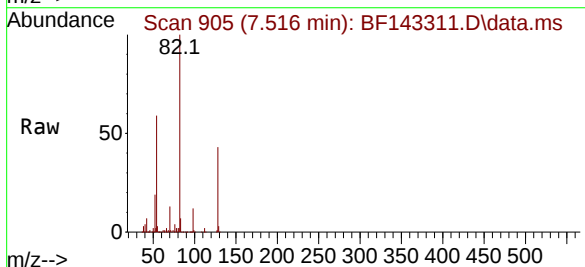
Instrument :
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ClientSampleId :
OU4-TS-GRILLO-TSCP01-073125

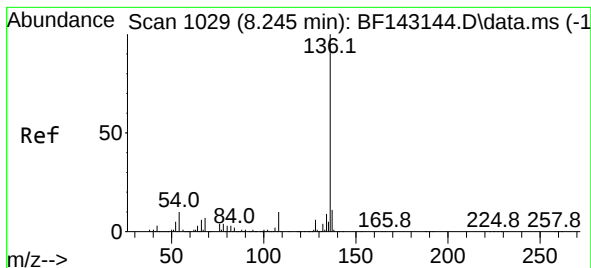
Tgt Ion: 99 Resp: 781098
Ion Ratio Lower Upper
99 100
42 20.9 17.0 25.6
71 33.1 27.7 41.5



#19
n-Nitroso-di-n-propylamine
Concen: 9.988 ng
RT: 7.516 min Scan# 905
Delta R.T. 0.141 min
Lab File: BF143311.D
Acq: 05 Aug 2025 13:01

Tgt Ion: 70 Resp: 66260
Ion Ratio Lower Upper
70 100
42 55.6 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: 8.240 min Scan# 1029

Delta R.T. -0.005 min

Lab File: BF143311.D

Acq: 05 Aug 2025 13:01

Instrument :

BNA_F

ClientSampleId :

OU4-TS-GRILLO-TSCP01-073125

Tgt Ion:136 Resp: 487756

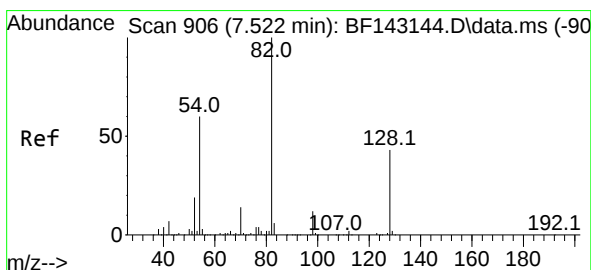
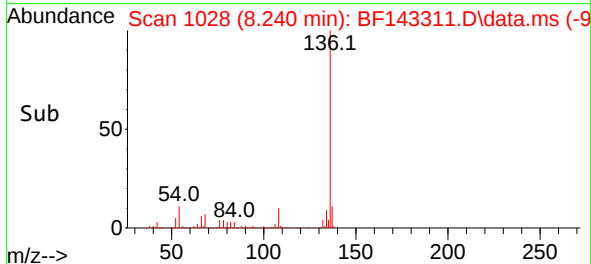
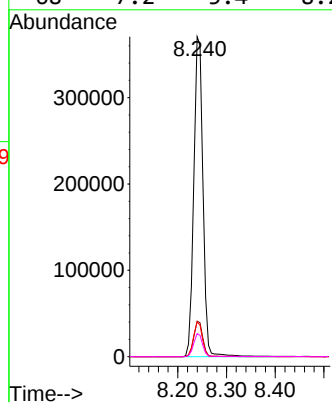
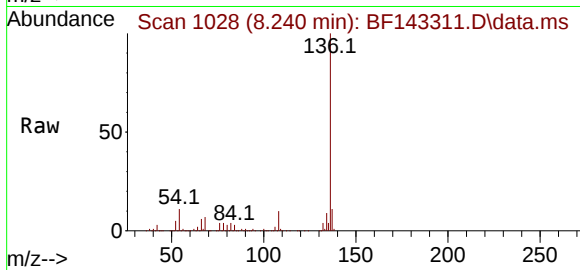
Ion Ratio Lower Upper

136 100

137 11.1 8.6 13.0

54 10.9 8.2 12.2

68 7.2 5.4 8.2



#23

Nitrobenzene-d5

Concen: 50.643 ng

RT: 7.516 min Scan# 905

Delta R.T. -0.006 min

Lab File: BF143311.D

Acq: 05 Aug 2025 13:01

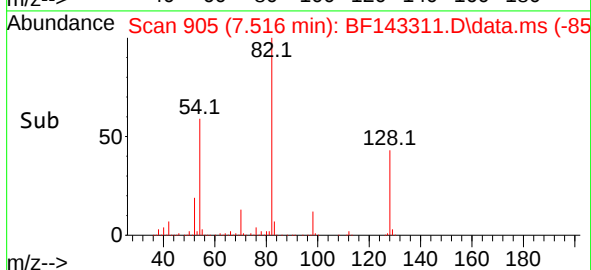
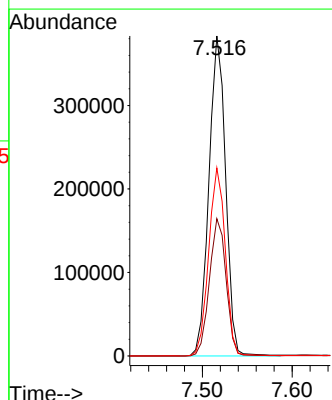
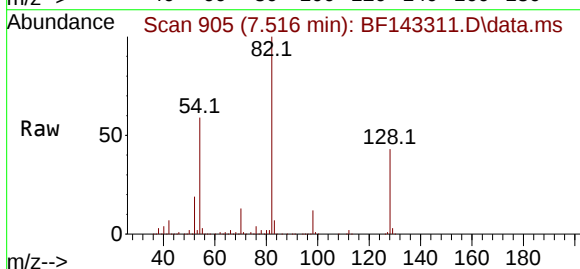
Tgt Ion: 82 Resp: 495547

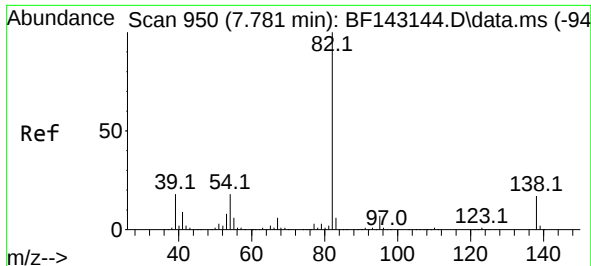
Ion Ratio Lower Upper

82 100

128 42.9 33.6 50.4

54 58.8 47.1 70.7

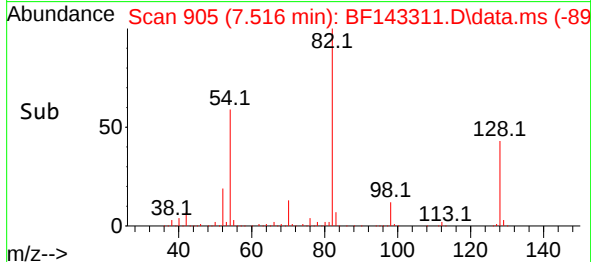
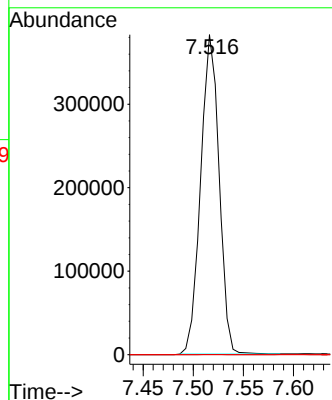
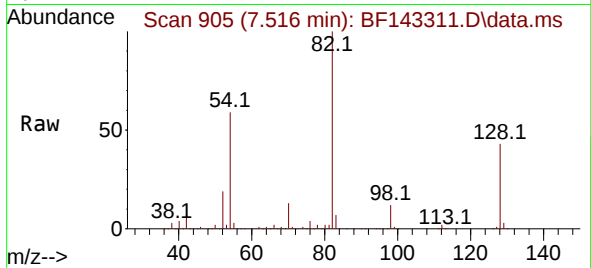




#25
Isophorone
Concen: 28.438 ng
RT: 7.516 min Scan# 90
Delta R.T. -0.265 min
Lab File: BF143311.D
Acq: 05 Aug 2025 13:01

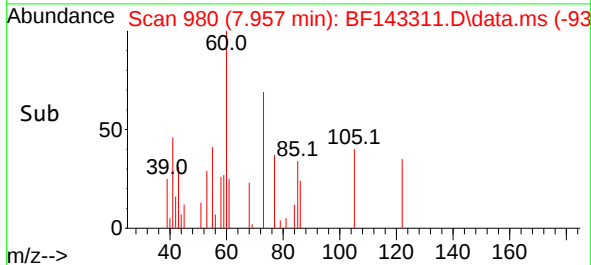
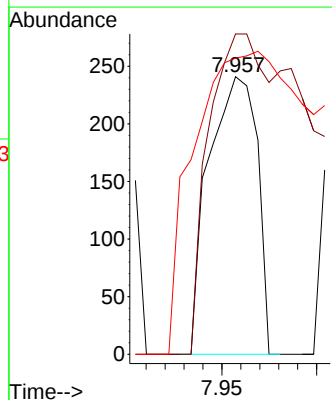
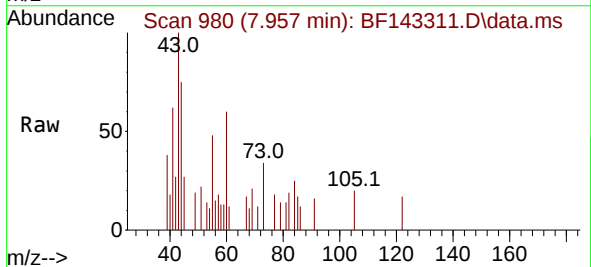
Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP01-073125

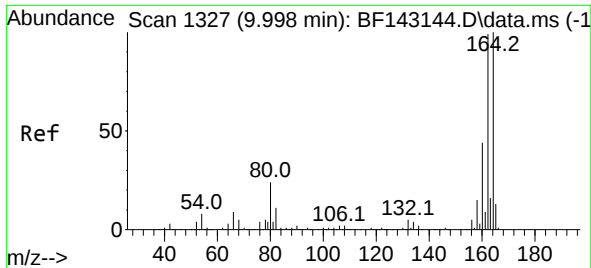
Tgt Ion: 82 Resp: 491237
Ion Ratio Lower Upper
82 100
95 0.1 5.5 8.3#
138 0.0 13.8 20.8#



#32
Benzoic acid
Concen: 5.262 ng
RT: 7.957 min Scan# 980
Delta R.T. -0.035 min
Lab File: BF143311.D
Acq: 05 Aug 2025 13:01

Tgt Ion:122 Resp: 426
Ion Ratio Lower Upper
122 100
105 115.4 104.8 144.8
77 106.6 77.6 117.6

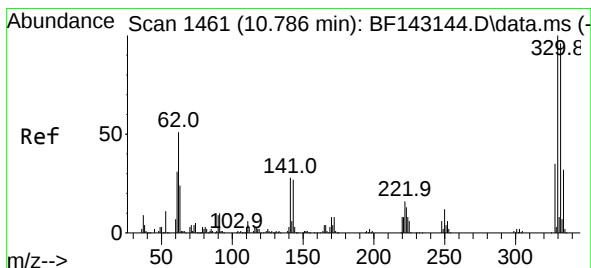
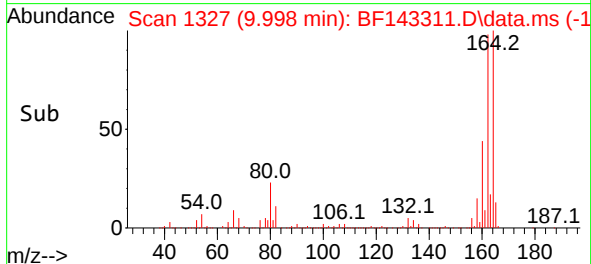
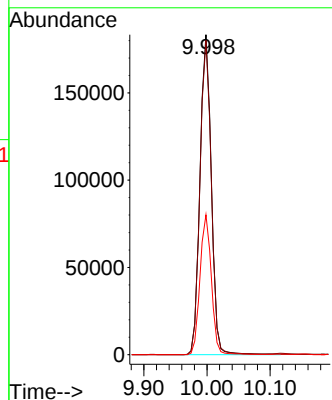
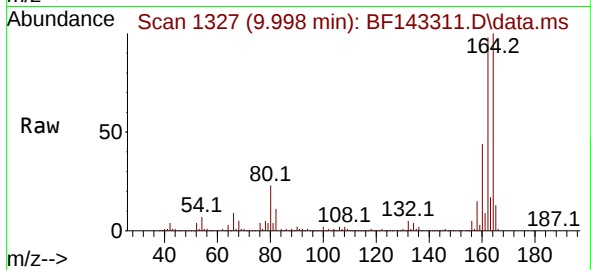




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.998 min Scan# 1327
Delta R.T. 0.000 min
Lab File: BF143311.D
Acq: 05 Aug 2025 13:01

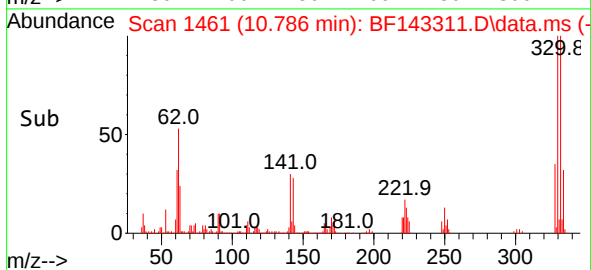
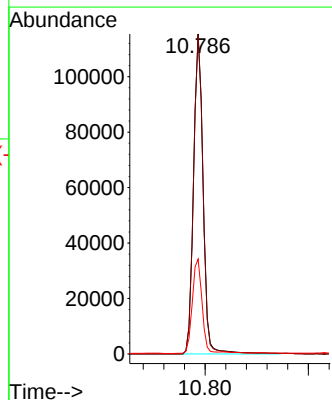
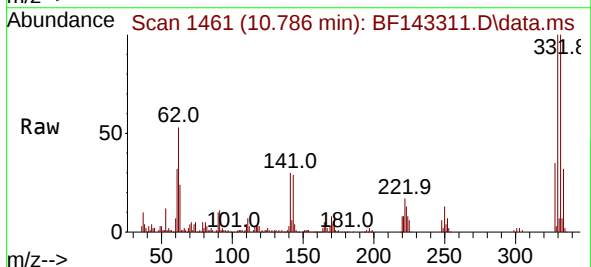
Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP01-073125

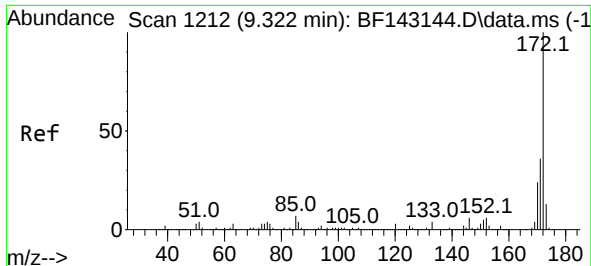
Tgt Ion:164 Resp: 228245
Ion Ratio Lower Upper
164 100
162 98.3 79.0 118.6
160 43.7 35.1 52.7



#42
2,4,6-Tribromophenol
Concen: 63.075 ng
RT: 10.786 min Scan# 1461
Delta R.T. 0.000 min
Lab File: BF143311.D
Acq: 05 Aug 2025 13:01

Tgt Ion:330 Resp: 148725
Ion Ratio Lower Upper
330 100
332 98.6 76.7 115.1
141 29.6 23.3 34.9





#45

2-Fluorobiphenyl

Concen: 50.278 ng

RT: 9.316 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF143311.D

Acq: 05 Aug 2025 13:01

Instrument :

BNA_F

ClientSampleId :

OU4-TS-GRILLO-TSCP01-073125

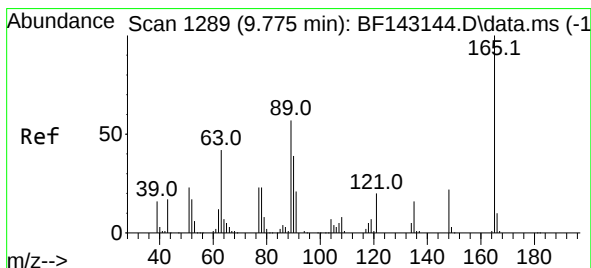
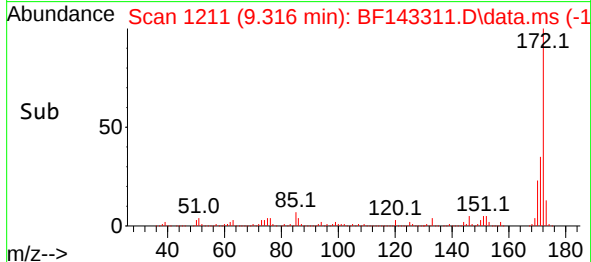
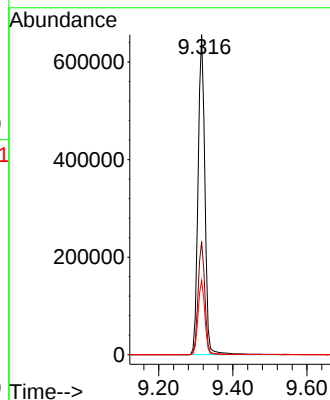
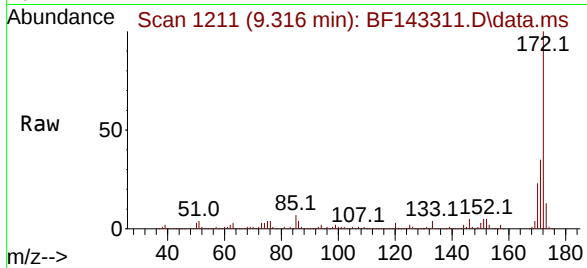
Tgt Ion:172 Resp: 839103

Ion Ratio Lower Upper

172 100

171 35.4 28.6 42.8

170 23.2 18.8 28.2



#51

2,6-Dinitrotoluene

Concen: 9.806 ng

RT: 9.998 min Scan# 1327

Delta R.T. 0.224 min

Lab File: BF143311.D

Acq: 05 Aug 2025 13:01

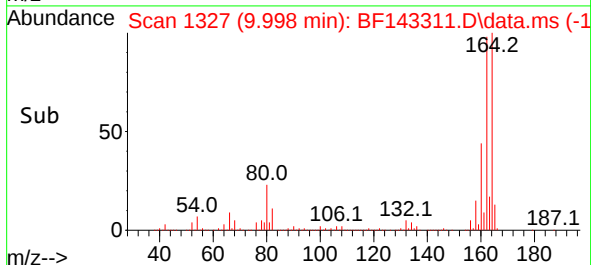
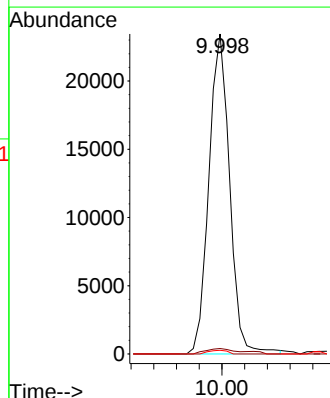
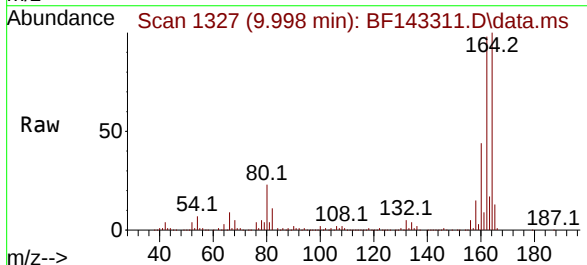
Tgt Ion:165 Resp: 29678

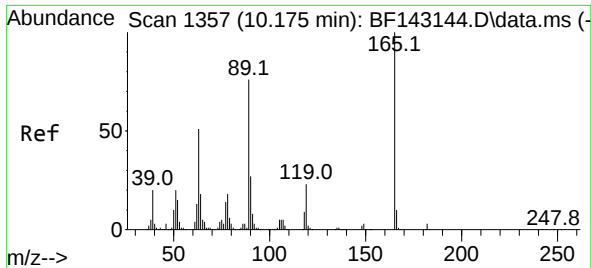
Ion Ratio Lower Upper

165 100

63 1.7 49.4 74.2#

89 1.2 46.2 69.2#

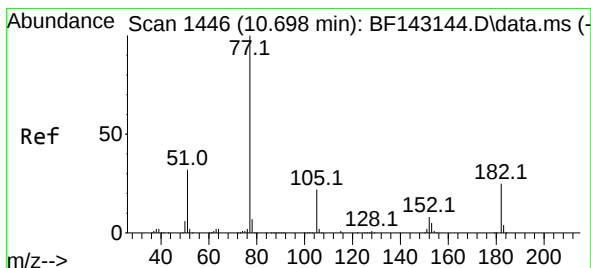
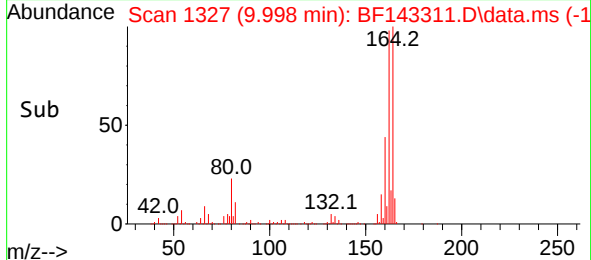
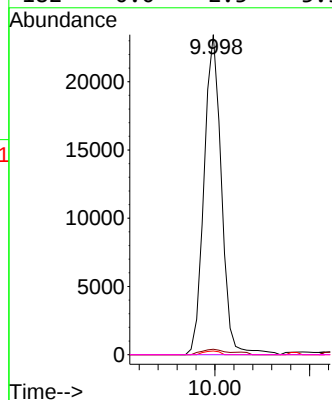
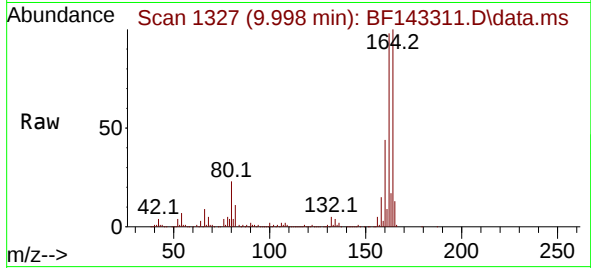




#57
2,4-Dinitrotoluene
Concen: 7.849 ng
RT: 9.998 min Scan# 11
Delta R.T. -0.176 min
Lab File: BF143311.D
Acq: 05 Aug 2025 13:01

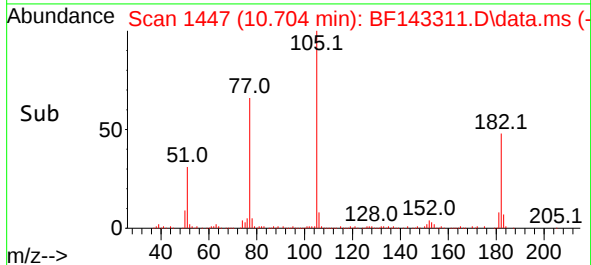
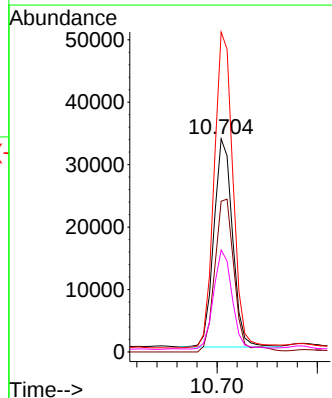
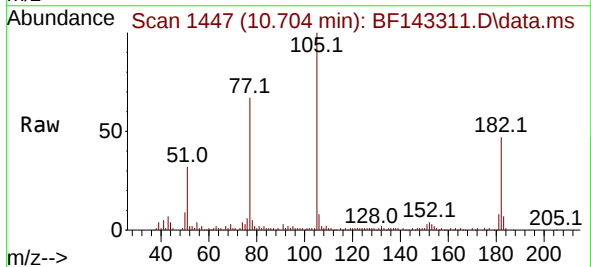
Instrument :
BNA_F
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OU4-TS-GRILLO-TSCP01-073125

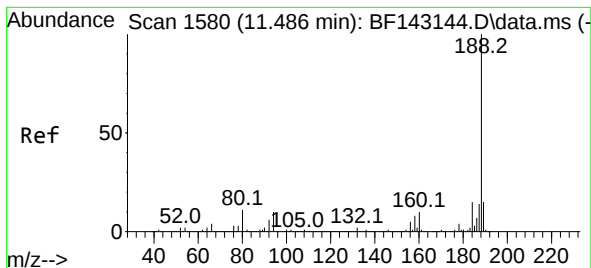
Tgt Ion:165 Resp: 29803
Ion Ratio Lower Upper
165 100
63 1.7 41.0 61.4#
89 1.2 61.1 91.7#
182 0.0 2.3 3.5#



#63
Azobenzene
Concen: 2.814 ng
RT: 10.704 min Scan# 1447
Delta R.T. 0.006 min
Lab File: BF143311.D
Acq: 05 Aug 2025 13:01

Tgt Ion: 77 Resp: 43128
Ion Ratio Lower Upper
77 100
182 70.7 4.6 44.6#
105 150.1 1.4 41.4#
51 47.8 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: BF143311.D

Acq: 05 Aug 2025 13:01

Instrument :

BNA_F

ClientSampleId :

OU4-TS-GRILLO-TSCP01-073125

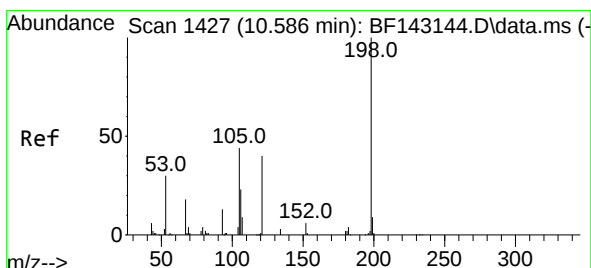
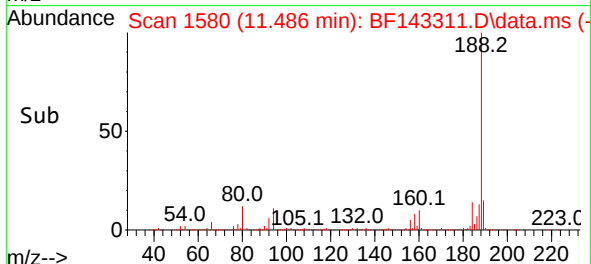
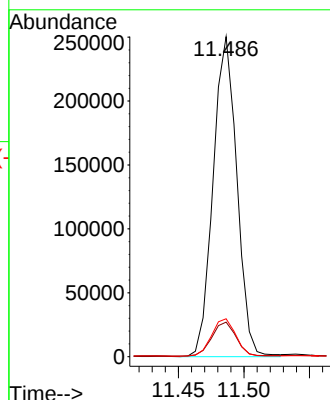
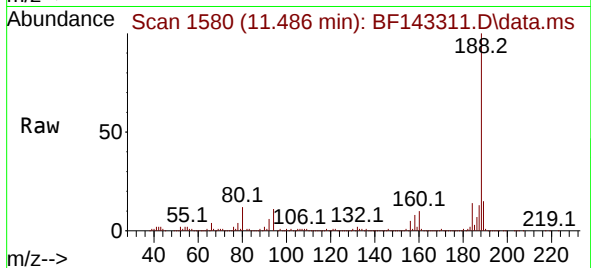
Tgt Ion:188 Resp: 315254

Ion Ratio Lower Upper

188 100

94 10.8 8.3 12.5

80 11.9 9.0 13.6



#65

4,6-Dinitro-2-methylphenol

Concen: 5.554 ng

RT: 10.786 min Scan# 1461

Delta R.T. 0.200 min

Lab File: BF143311.D

Acq: 05 Aug 2025 13:01

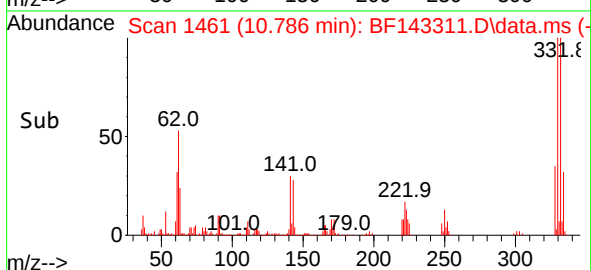
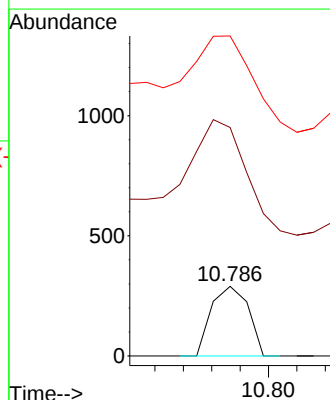
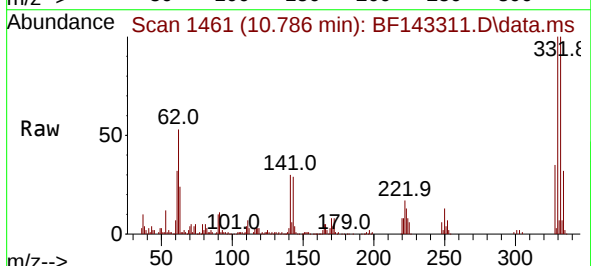
Tgt Ion:198 Resp: 263

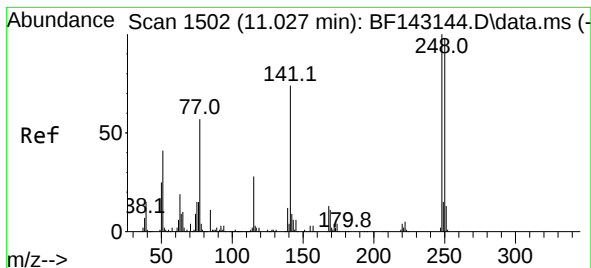
Ion Ratio Lower Upper

198 100

51 327.9 37.2 77.2#

105 459.3 24.8 64.8#

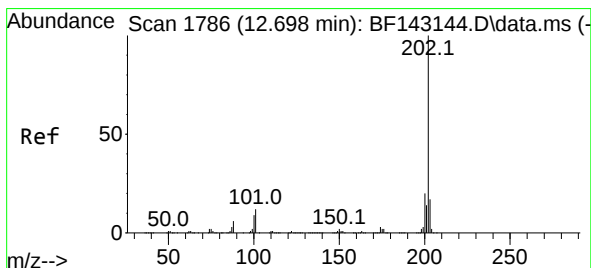
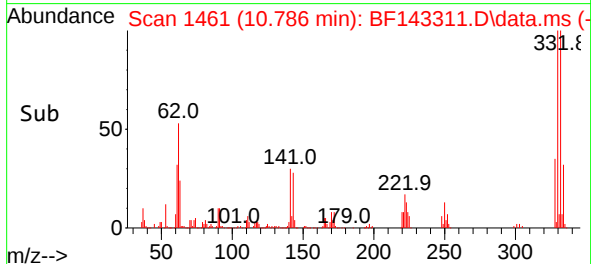
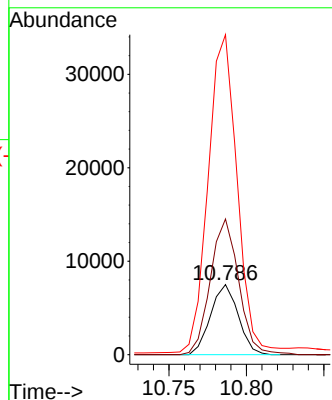
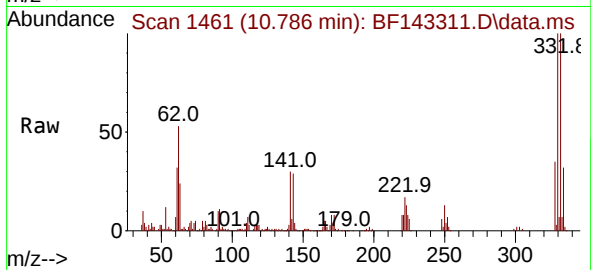




#67
4-Bromophenyl-phenylether
Concen: 2.472 ng
RT: 10.786 min Scan# 1461
Delta R.T. -0.241 min
Lab File: BF143311.D
Acq: 05 Aug 2025 13:01

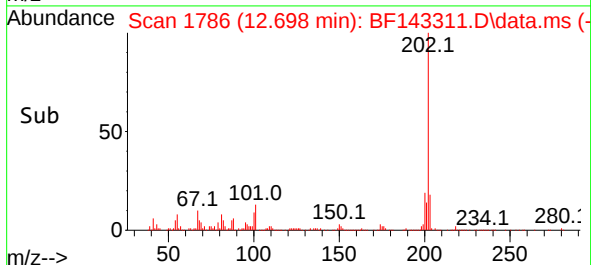
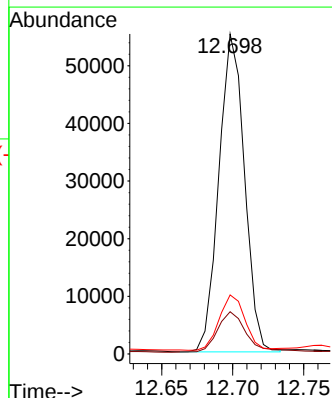
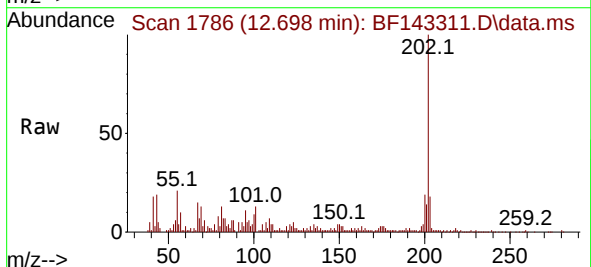
Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP01-073125

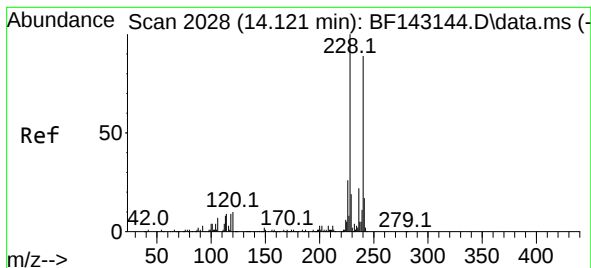
Tgt Ion:248 Resp: 9289
Ion Ratio Lower Upper
248 100
250 193.4 78.3 117.5#
141 456.4 59.2 88.8#



#75
Fluoranthene
Concen: 4.500 ng
RT: 12.698 min Scan# 1786
Delta R.T. 0.000 min
Lab File: BF143311.D
Acq: 05 Aug 2025 13:01

Tgt Ion:202 Resp: 69136
Ion Ratio Lower Upper
202 100
101 13.2 0.0 31.7
203 18.4 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: BF143311.D

Acq: 05 Aug 2025 13:01

Instrument :

BNA_F

ClientSampleId :

OU4-TS-GRILLO-TSCP01-073125

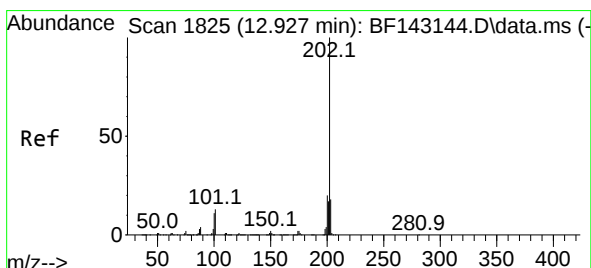
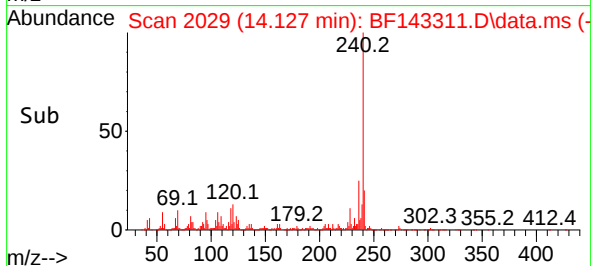
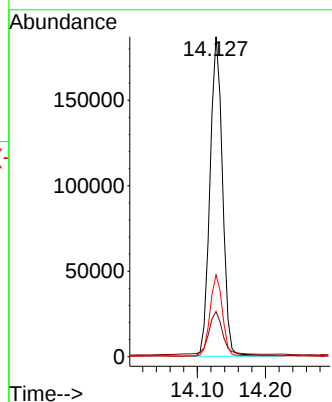
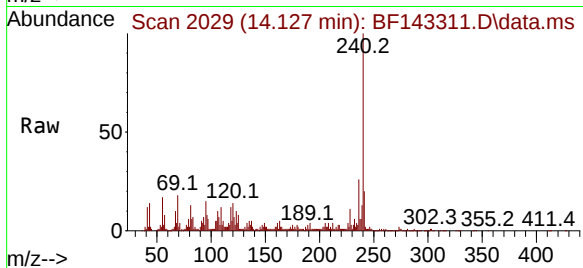
Tgt Ion:240 Resp: 238738

Ion Ratio Lower Upper

240 100

120 14.1 9.4 14.2

236 25.5 20.2 30.4



#78

Pyrene

Concen: 2.889 ng

RT: 12.927 min Scan# 1825

Delta R.T. 0.000 min

Lab File: BF143311.D

Acq: 05 Aug 2025 13:01

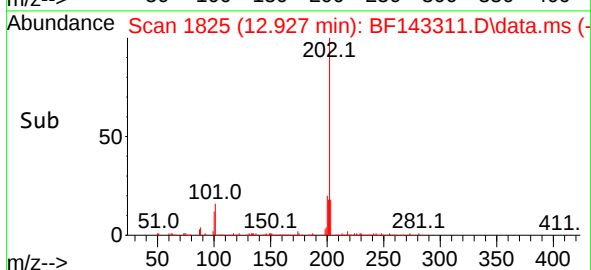
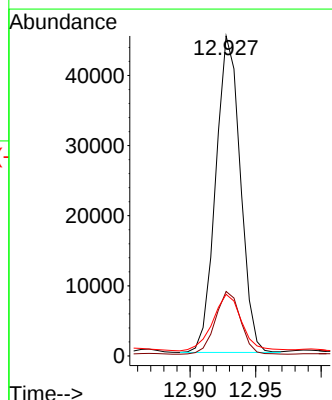
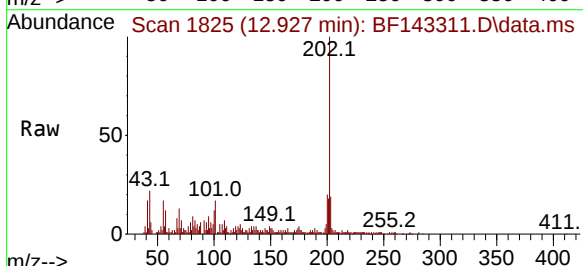
Tgt Ion:202 Resp: 58855

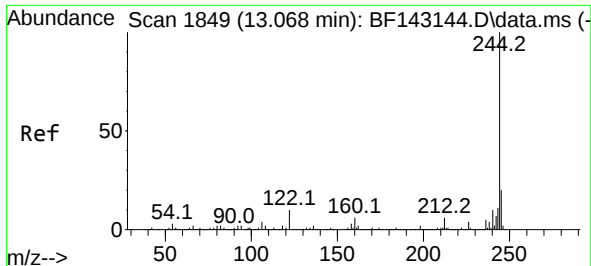
Ion Ratio Lower Upper

202 100

200 20.2 15.7 23.5

203 19.2 14.2 21.2

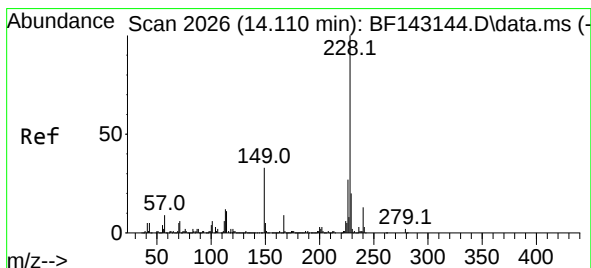
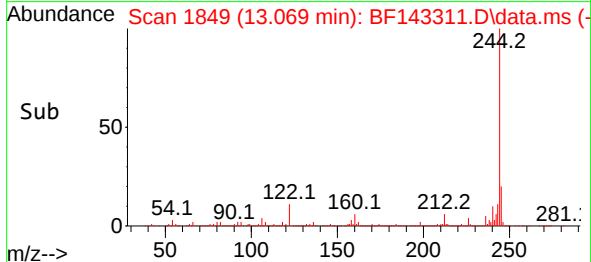
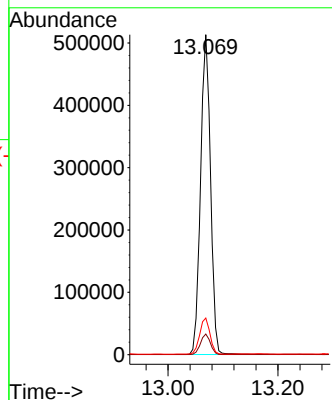
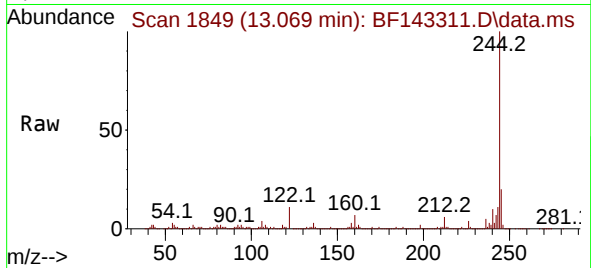




#79
 Terphenyl-d14
 Concen: 40.293 ng
 RT: 13.069 min Scan# 1849
 Delta R.T. 0.000 min
 Lab File: BF143311.D
 Acq: 05 Aug 2025 13:01

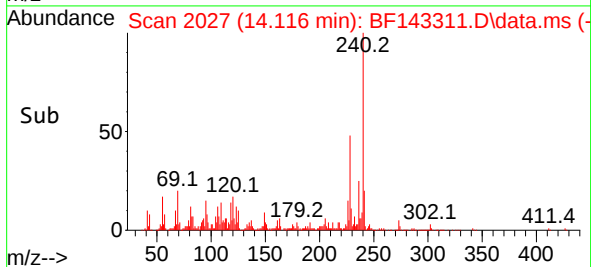
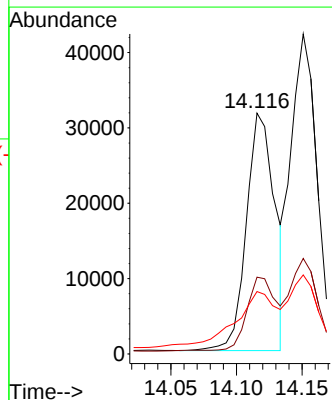
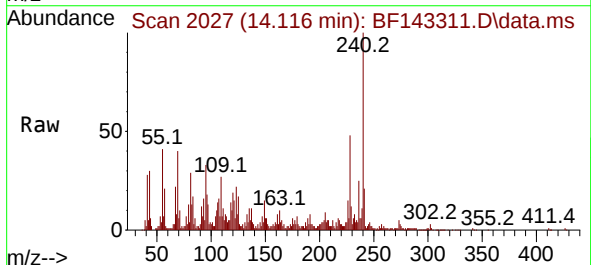
Instrument :
 BNA_F
 ClientSampleId :
 OU4-TS-GRILLO-TSCP01-073125

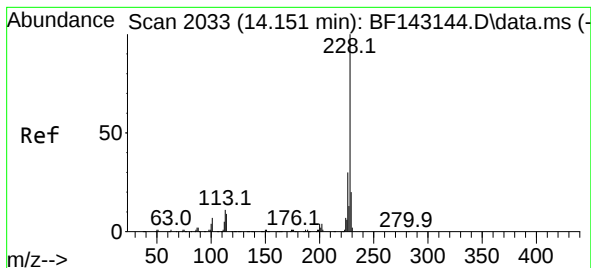
Tgt Ion:244 Resp: 646423
 Ion Ratio Lower Upper
 244 100
 212 6.4 5.2 7.8
 122 11.5 8.2 12.2



#81
 Benzo(a)anthracene
 Concen: 2.989 ng
 RT: 14.116 min Scan# 2027
 Delta R.T. 0.006 min
 Lab File: BF143311.D
 Acq: 05 Aug 2025 13:01

Tgt Ion:228 Resp: 47782
 Ion Ratio Lower Upper
 228 100
 226 31.9 21.7 32.5
 229 25.9 15.8 23.6#





#83

Chrysene

Concen: 4.020 ng

RT: 14.151 min Scan# 20

Delta R.T. 0.000 min

Lab File: BF143311.D

Acq: 05 Aug 2025 13:01

Instrument :

BNA_F

ClientSampleId :

OU4-TS-GRILLO-TSCP01-073125

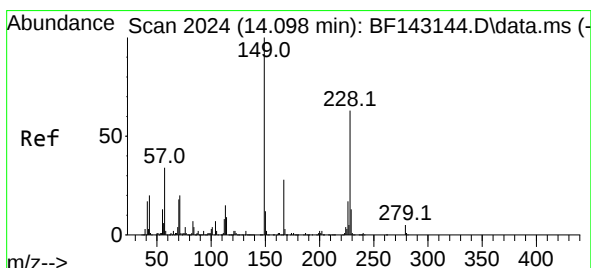
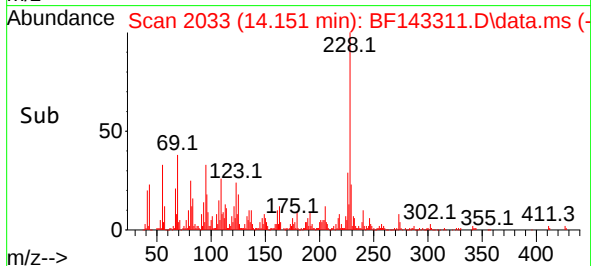
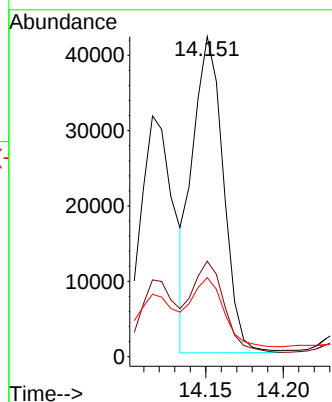
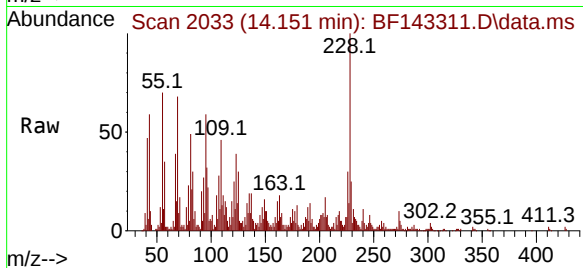
Tgt Ion:228 Resp: 57772

Ion Ratio Lower Upper

228 100

226 29.9 23.8 35.8

229 24.7 15.6 23.4#



#84

Bis(2-ethylhexyl)phthalate

Concen: 2.791 ng

RT: 14.104 min Scan# 2025

Delta R.T. 0.006 min

Lab File: BF143311.D

Acq: 05 Aug 2025 13:01

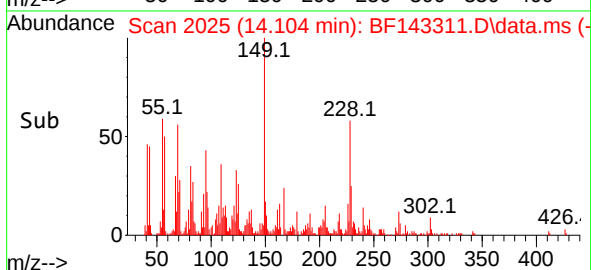
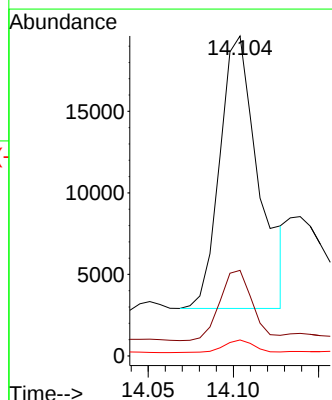
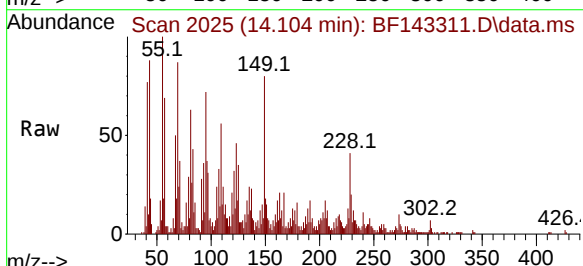
Tgt Ion:149 Resp: 26361

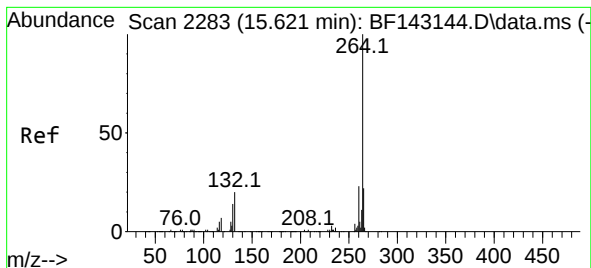
Ion Ratio Lower Upper

149 100

167 26.7 22.3 33.5

279 5.0 3.6 5.4

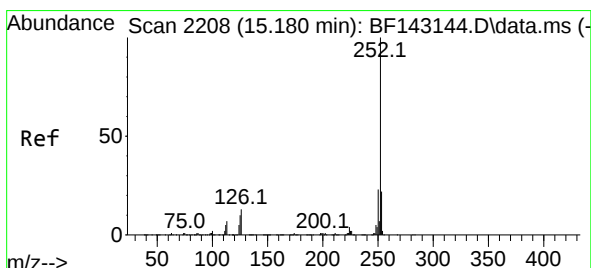
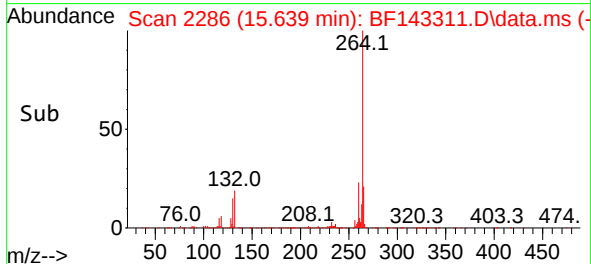
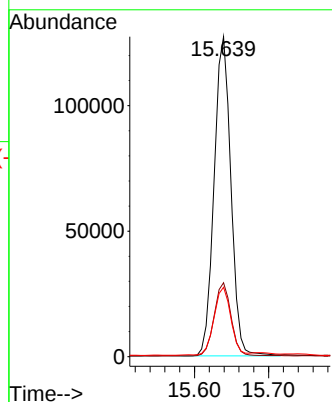
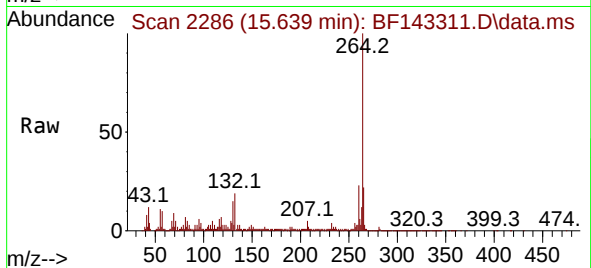




#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.639 min Scan# 2110
 Delta R.T. 0.018 min
 Lab File: BF143311.D
 Acq: 05 Aug 2025 13:01

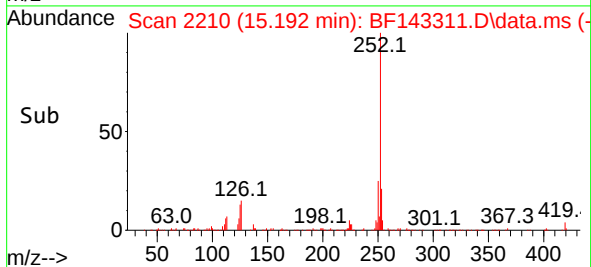
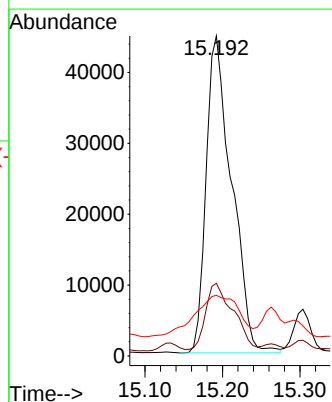
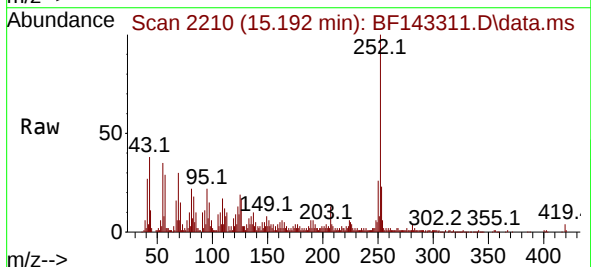
Instrument :
 BNA_F
 ClientSampleId :
 OU4-TS-GRILLO-TSCP01-073125

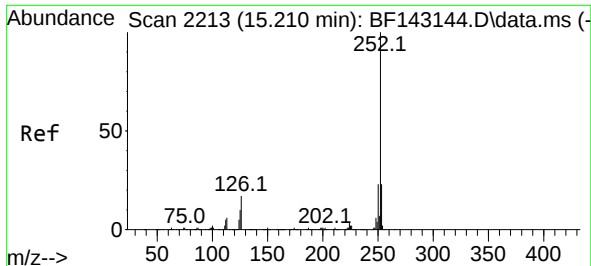
Tgt Ion:264 Resp: 200028
 Ion Ratio Lower Upper
 264 100
 260 23.1 18.5 27.7
 265 21.7 17.4 26.2



#88
 Benzo(b)fluoranthene
 Concen: 8.347 ng
 RT: 15.192 min Scan# 2210
 Delta R.T. 0.012 min
 Lab File: BF143311.D
 Acq: 05 Aug 2025 13:01

Tgt Ion:252 Resp: 102000
 Ion Ratio Lower Upper
 252 100
 253 22.7 17.5 26.3
 125 18.9 8.0 12.0#





#89

Benzo(k)fluoranthene

Concen: 9.354 ng

RT: 15.192 min Scan# 21

Delta R.T. -0.017 min

Lab File: BF143311.D

Acq: 05 Aug 2025 13:01

Instrument :

BNA_F

ClientSampleId :

OU4-TS-GRILLO-TSCP01-073125

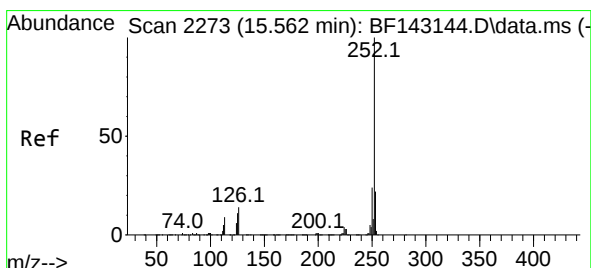
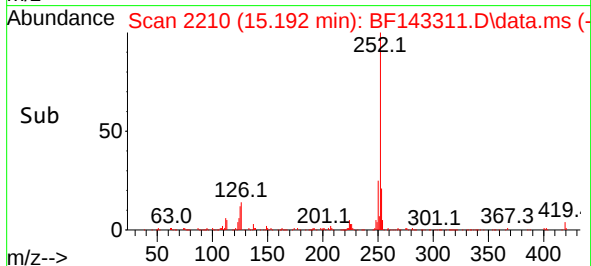
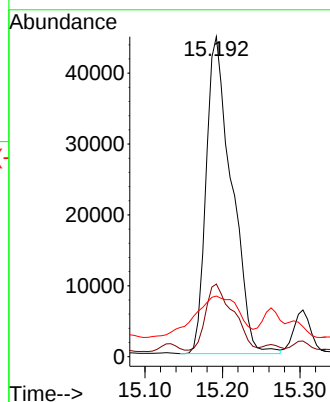
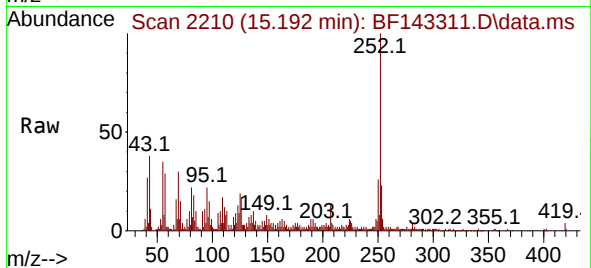
Tgt Ion:252 Resp: 102000

Ion Ratio Lower Upper

252 100

253 22.7 17.8 26.6

125 18.9 8.1 12.1#



#90

Benzo(a)pyrene

Concen: 3.231 ng

RT: 15.569 min Scan# 2274

Delta R.T. 0.006 min

Lab File: BF143311.D

Acq: 05 Aug 2025 13:01

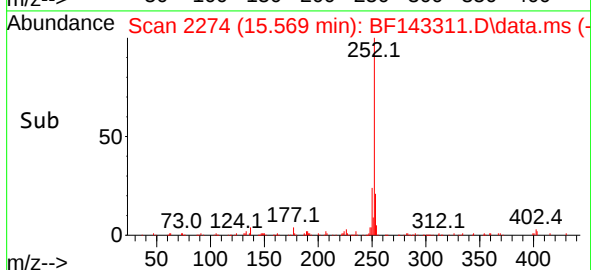
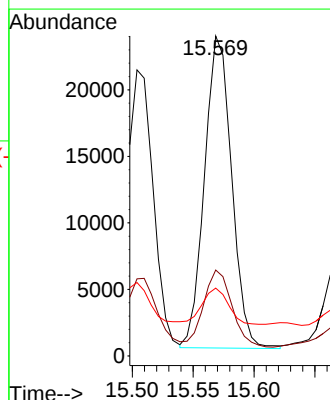
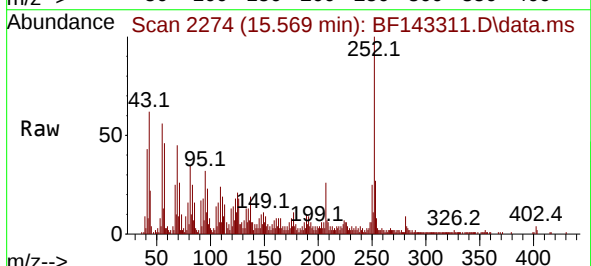
Tgt Ion:252 Resp: 36380

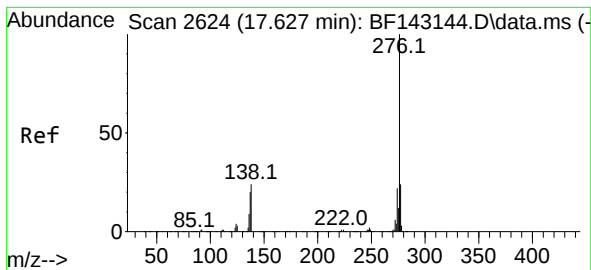
Ion Ratio Lower Upper

252 100

253 26.9 17.3 25.9#

125 21.2 8.6 13.0#





#92

Benzo(g,h,i)perylene

Concen: 2.282 ng

RT: 17.651 min Scan# 2

Delta R.T. 0.024 min

Lab File: BF143311.D

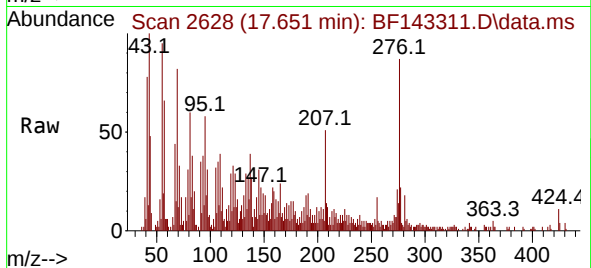
Acq: 05 Aug 2025 13:01

Instrument :

BNA_F

ClientSampleId :

OU4-TS-GRILLO-TSCP01-073125



Tgt Ion: 276 Resp: 25346

Ion Ratio Lower Upper

276 100

277 25.4 19.1 28.7

138 31.4 18.9 28.3#

