

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080525\
 Data File : BF143309.D
 Acq On : 05 Aug 2025 12:03
 Operator : RC/JU
 Sample : Q2747-03
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OU4-TS-GRILLO-OG3-073125

Quant Time: Aug 05 12:37:42 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)

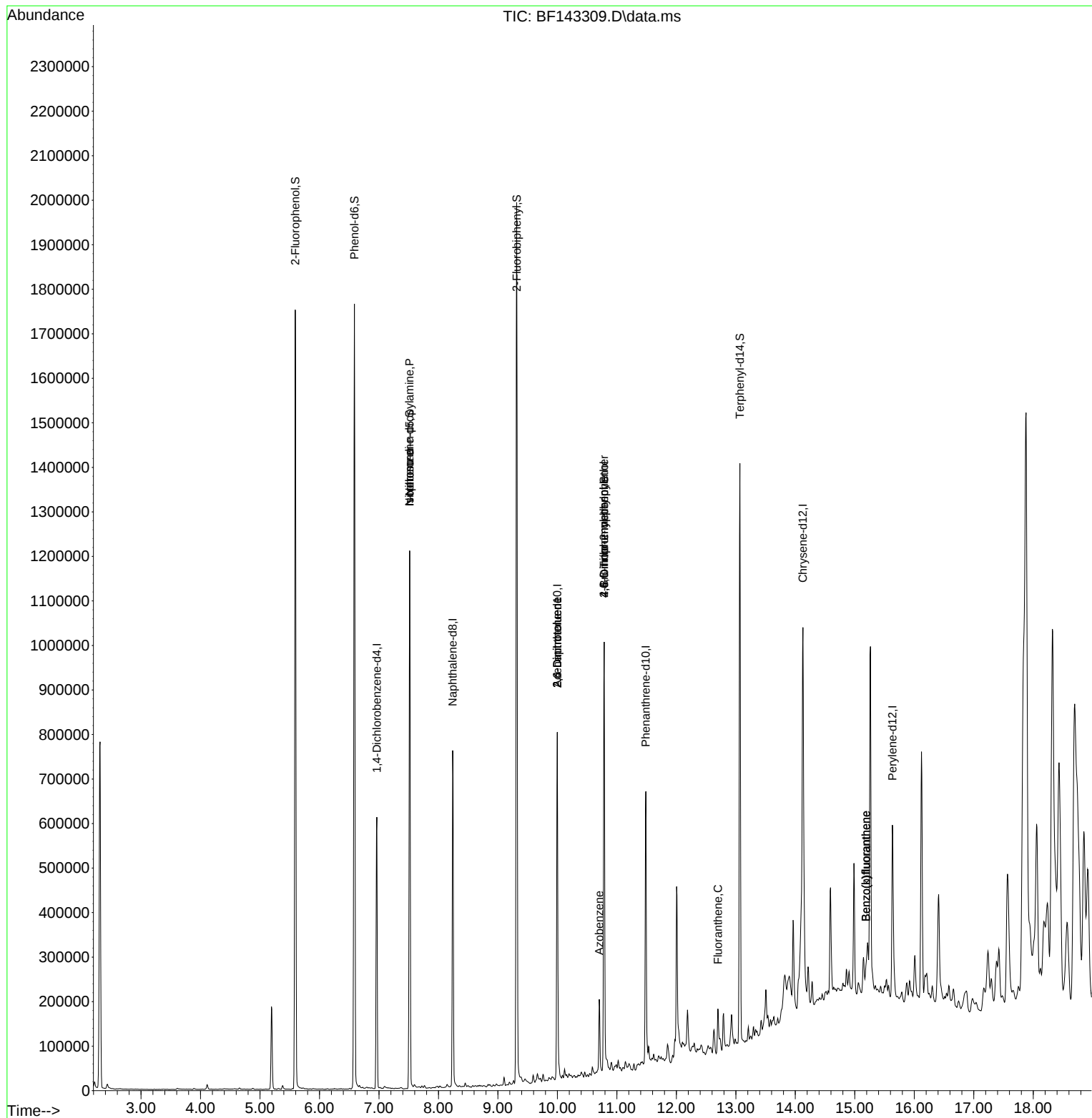
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.963	152	127481	20.000	ng	0.00
21) Naphthalene-d8	8.239	136	469138	20.000	ng	0.00
39) Acenaphthene-d10	9.998	164	228456	20.000	ng	0.00
64) Phenanthrene-d10	11.486	188	308976	20.000	ng	0.00
76) Chrysene-d12	14.127	240	244731	20.000	ng	0.00
86) Perylene-d12	15.633	264	233526	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.593	112	640562	79.515	ng	0.00
7) Phenol-d6	6.587	99	824262	81.290	ng	0.00
23) Nitrobenzene-d5	7.516	82	524171	55.694	ng	0.00
42) 2,4,6-Tribromophenol	10.786	330	171579	72.701	ng	0.00
45) 2-Fluorobiphenyl	9.316	172	891830	53.388	ng	0.00
79) Terphenyl-d14	13.069	244	625406	38.028	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.516	70	69306	10.654	ng	# 80
25) Isophorone	7.516	82	516976	31.116	ng	# 66
51) 2,6-Dinitrotoluene	9.998	165	29754	9.822	ng	# 23
57) 2,4-Dinitrotoluene	9.998	165	29867	7.858	ng	# 21
63) Azobenzene	10.704	77	40409	2.634	ng	# 1
65) 4,6-Dinitro-2-methylph...	10.786	198	386	5.624	ng	# 1
67) 4-Bromophenyl-phenylether	10.786	248	10595	2.877	ng	# 1
75) Fluoranthene	12.698	202	46440	3.084	ng	97
88) Benzo(b)fluoranthene	15.186	252	39267	2.752	ng	# 86
89) Benzo(k)fluoranthene	15.186	252	39267	3.084	ng	# 87

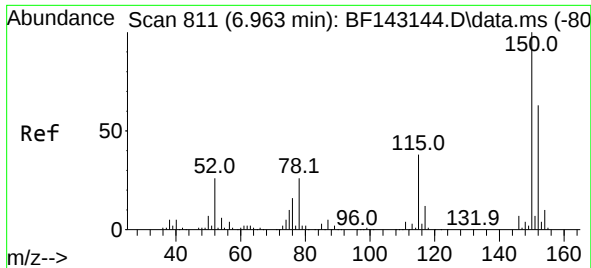
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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OU4-TS-GRILLO-OG3-073125

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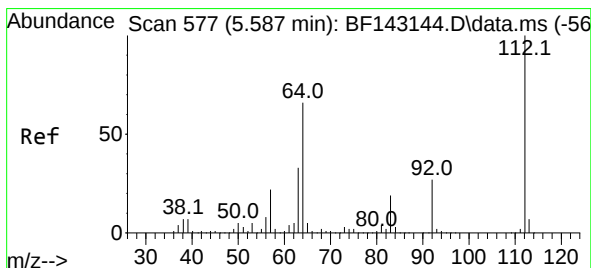
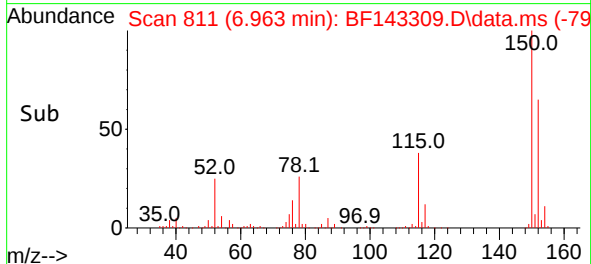
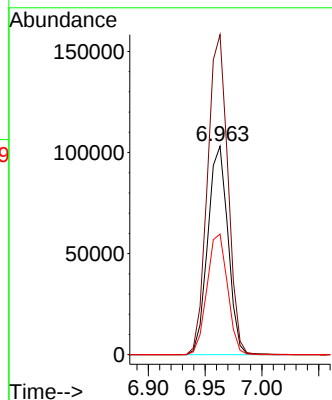
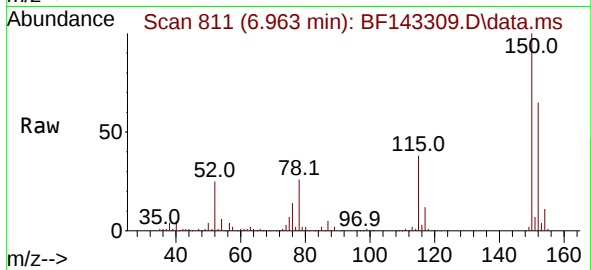




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.963 min Scan# 811
Delta R.T. 0.000 min
Lab File: BF143309.D
Acq: 05 Aug 2025 12:03

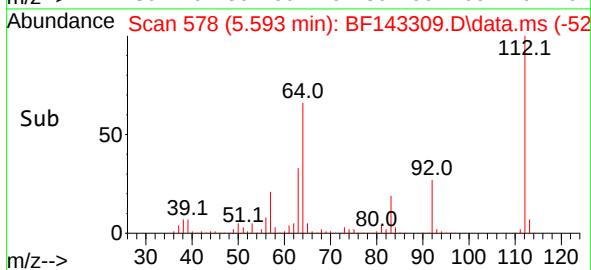
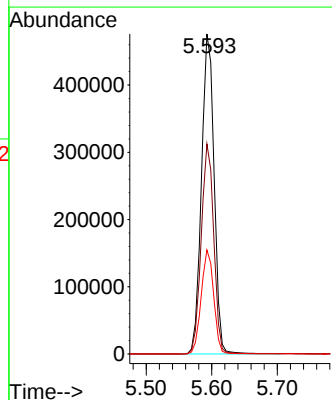
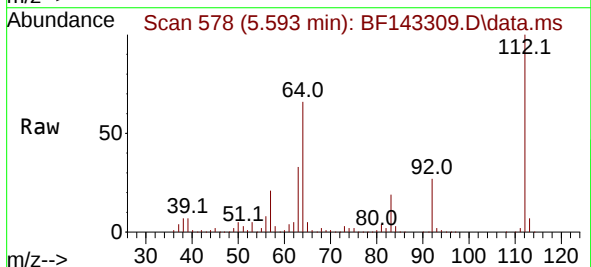
Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-OG3-073125

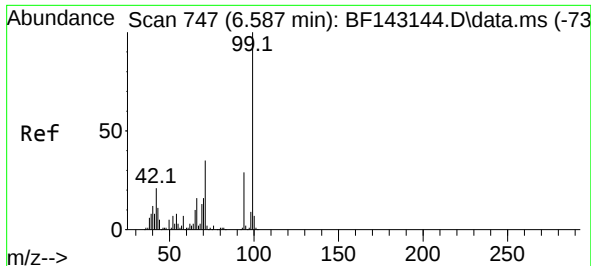
Tgt Ion:152 Resp: 127481
Ion Ratio Lower Upper
152 100
150 153.5 128.2 192.4
115 57.9 47.9 71.9



#5
2-Fluorophenol
Concen: 79.515 ng
RT: 5.593 min Scan# 578
Delta R.T. 0.006 min
Lab File: BF143309.D
Acq: 05 Aug 2025 12:03

Tgt Ion:112 Resp: 640562
Ion Ratio Lower Upper
112 100
64 65.6 53.1 79.7
63 32.5 26.6 40.0

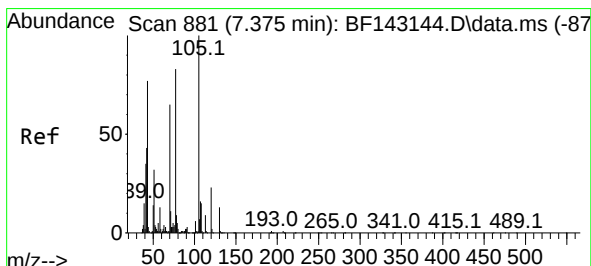
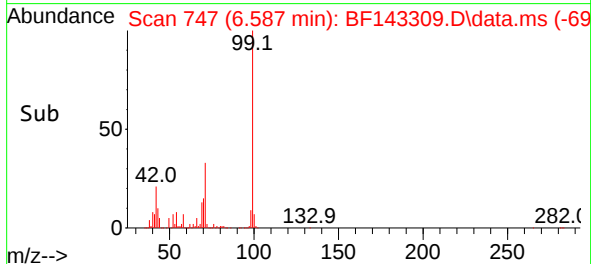
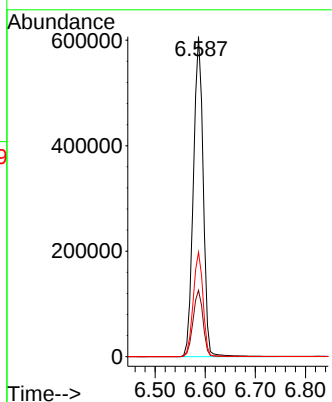
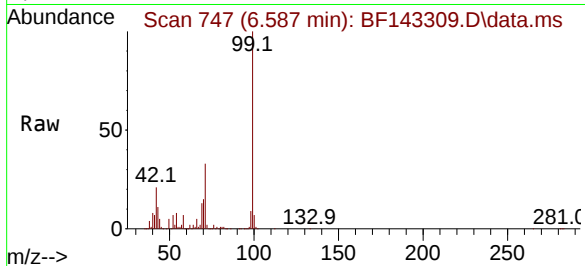




#7
Phenol-d6
Concen: 81.290 ng
RT: 6.587 min Scan# 747
Delta R.T. 0.000 min
Lab File: BF143309.D
Acq: 05 Aug 2025 12:03

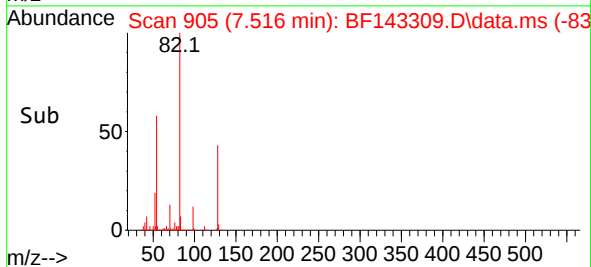
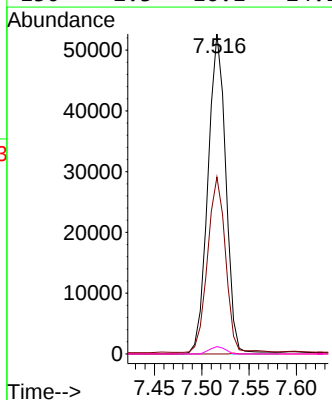
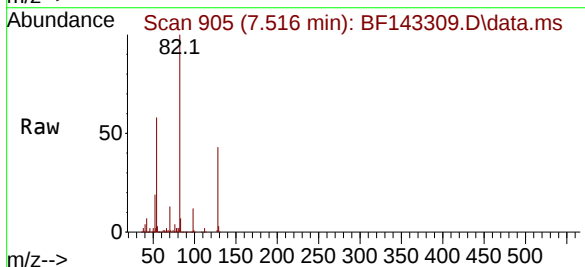
Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-OG3-073125

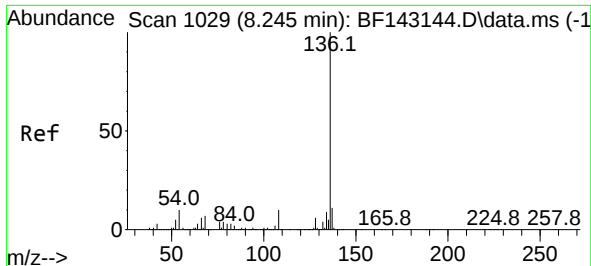
Tgt Ion: 99 Resp: 824262
Ion Ratio Lower Upper
99 100
42 20.8 17.0 25.6
71 32.6 27.7 41.5



#19
n-Nitroso-di-n-propylamine
Concen: 10.654 ng
RT: 7.516 min Scan# 905
Delta R.T. 0.141 min
Lab File: BF143309.D
Acq: 05 Aug 2025 12:03

Tgt Ion: 70 Resp: 69306
Ion Ratio Lower Upper
70 100
42 55.3 52.5 78.7
101 0.0 7.6 11.4#
130 2.3 16.1 24.1#

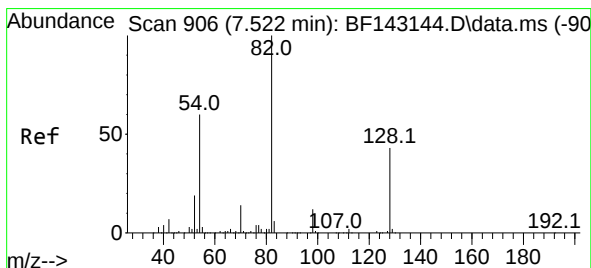
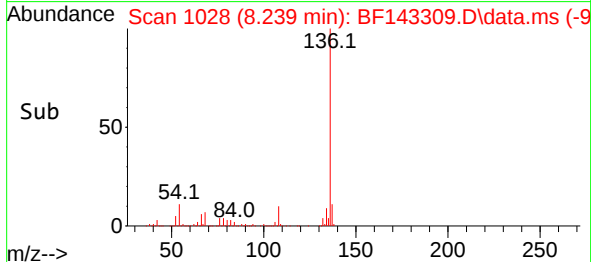
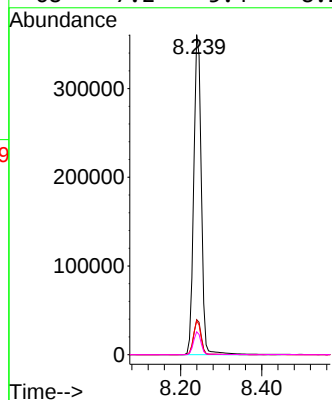
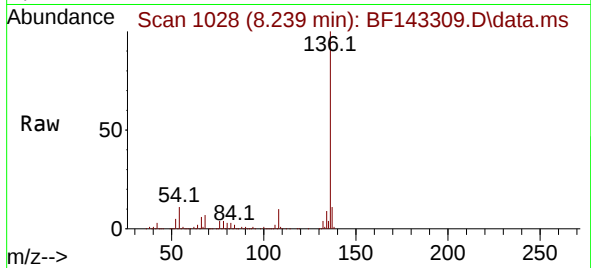




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.239 min Scan# 1028
Delta R.T. -0.006 min
Lab File: BF143309.D
Acq: 05 Aug 2025 12:03

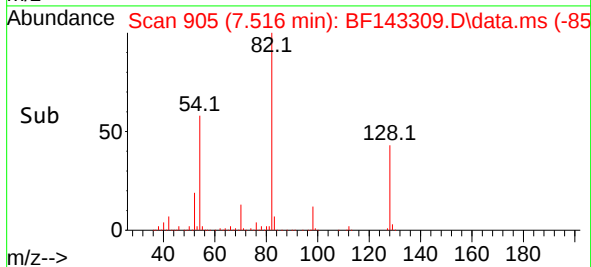
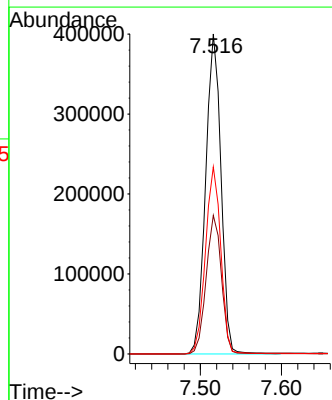
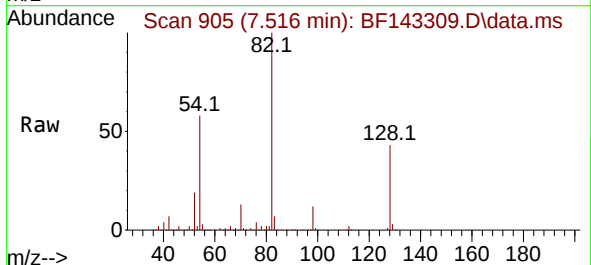
Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-OG3-073125

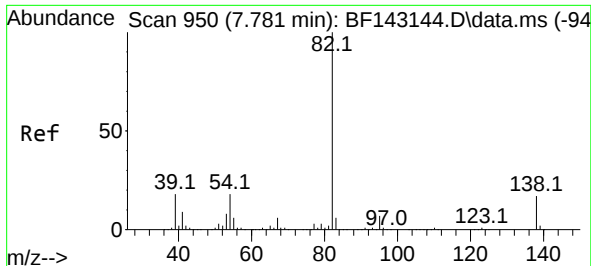
Tgt Ion:	136	Resp:	469138
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.6	13.0
54	10.6	8.2	12.2
68	7.2	5.4	8.2



#23
Nitrobenzene-d5
Concen: 55.694 ng
RT: 7.516 min Scan# 905
Delta R.T. -0.006 min
Lab File: BF143309.D
Acq: 05 Aug 2025 12:03

Tgt Ion:	82	Resp:	524171
Ion	Ratio	Lower	Upper
82	100		
128	43.3	33.6	50.4
54	58.4	47.1	70.7

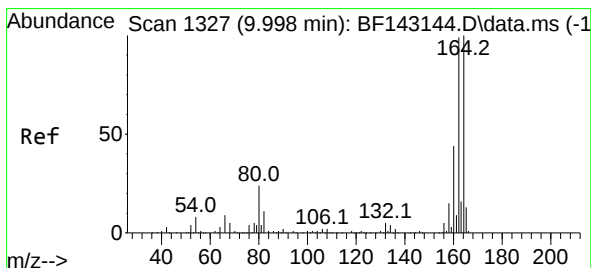
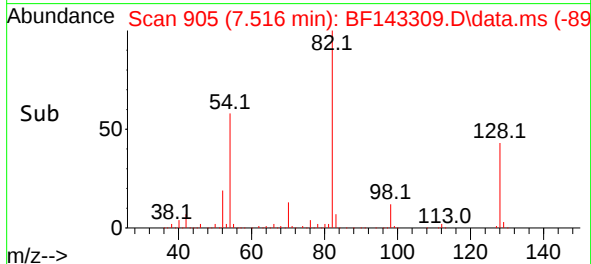
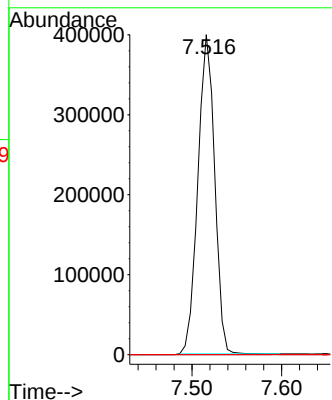
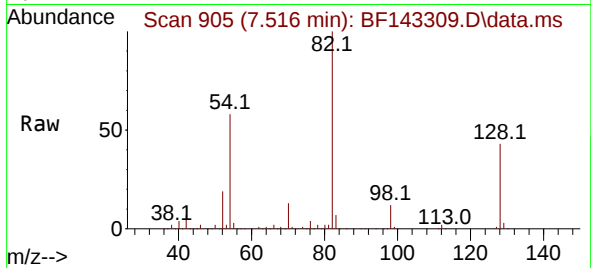




#25
Isophorone
Concen: 31.116 ng
RT: 7.516 min Scan# 90
Delta R.T. -0.265 min
Lab File: BF143309.D
Acq: 05 Aug 2025 12:03

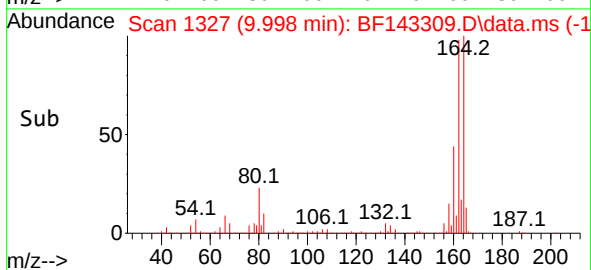
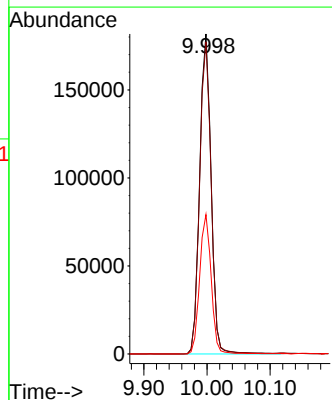
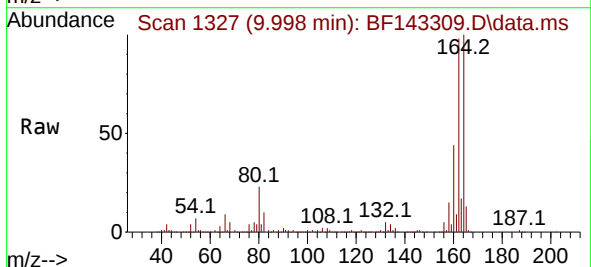
Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-OG3-073125

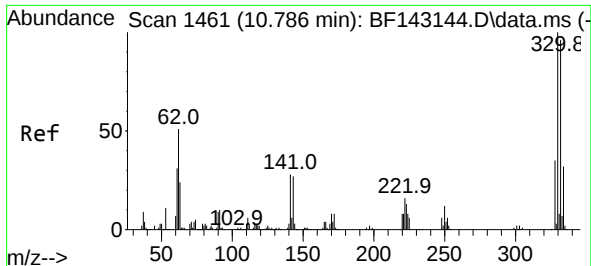
Tgt Ion: 82 Resp: 516976
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 13.8 20.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.998 min Scan# 1327
Delta R.T. 0.000 min
Lab File: BF143309.D
Acq: 05 Aug 2025 12:03

Tgt Ion: 164 Resp: 228456
Ion Ratio Lower Upper
164 100
162 97.6 79.0 118.6
160 43.5 35.1 52.7





#42

2,4,6-Tribromophenol

Concen: 72.701 ng

RT: 10.786 min Scan# 1461

Delta R.T. 0.000 min

Lab File: BF143309.D

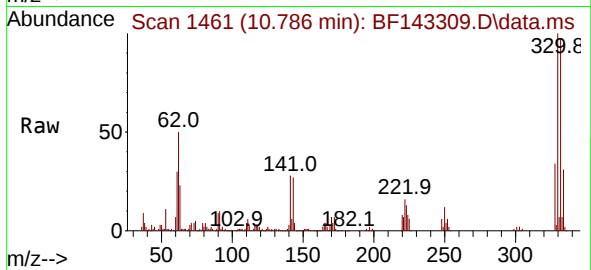
Acq: 05 Aug 2025 12:03

Instrument :

BNA_F

ClientSampleId :

OU4-TS-GRILLO-OG3-073125



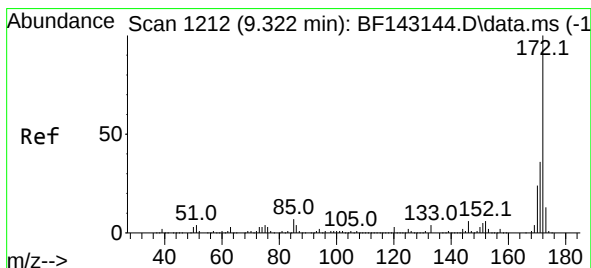
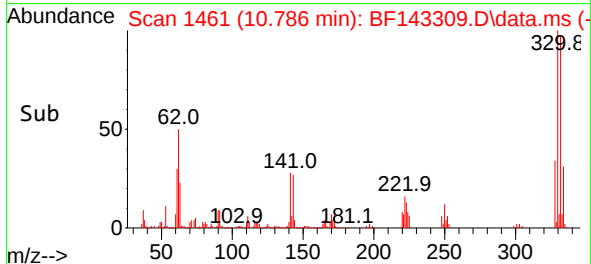
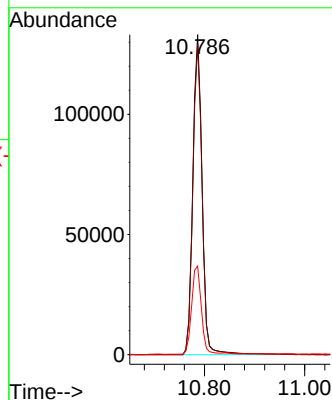
Tgt Ion:330 Resp: 171579

Ion Ratio Lower Upper

330 100

332 97.1 76.7 115.1

141 29.1 23.3 34.9



#45

2-Fluorobiphenyl

Concen: 53.388 ng

RT: 9.316 min Scan# 1211

Delta R.T. -0.006 min

Lab File: BF143309.D

Acq: 05 Aug 2025 12:03

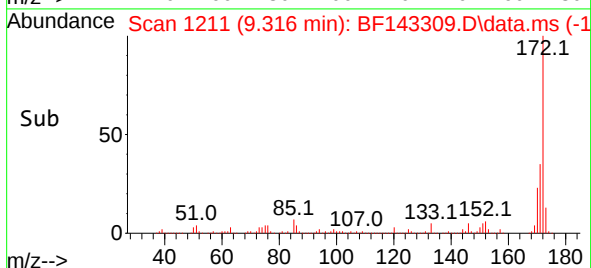
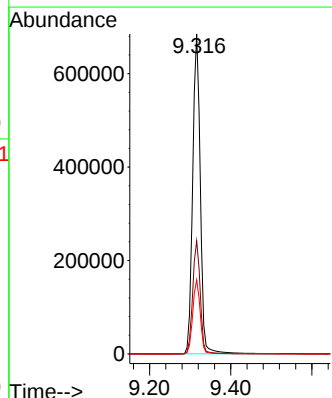
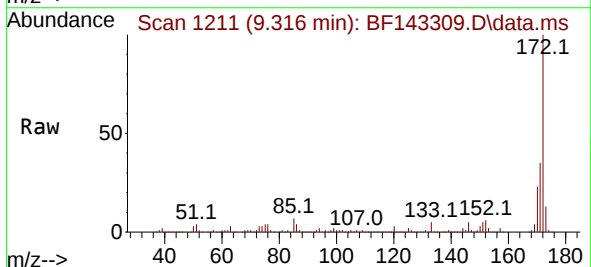
Tgt Ion:172 Resp: 891830

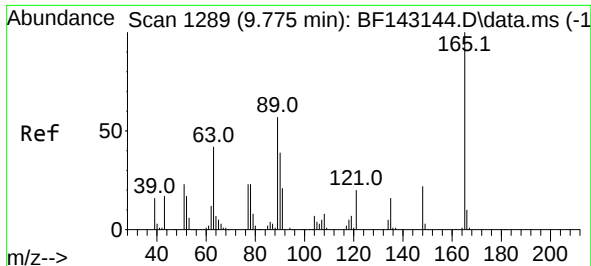
Ion Ratio Lower Upper

172 100

171 35.4 28.6 42.8

170 23.2 18.8 28.2

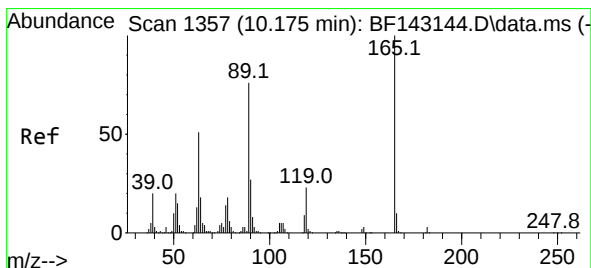
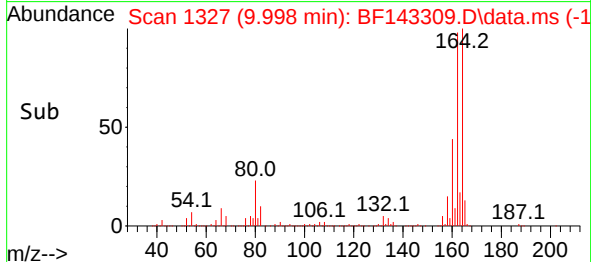
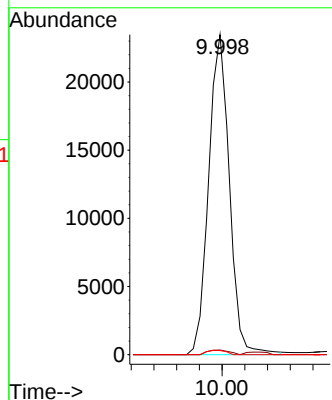
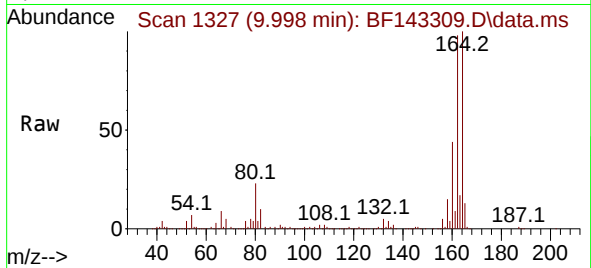




#51
2,6-Dinitrotoluene
Concen: 9.822 ng
RT: 9.998 min Scan# 11
Delta R.T. 0.224 min
Lab File: BF143309.D
Acq: 05 Aug 2025 12:03

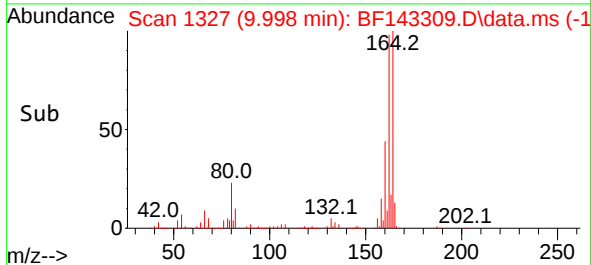
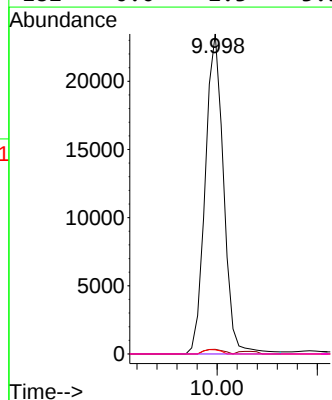
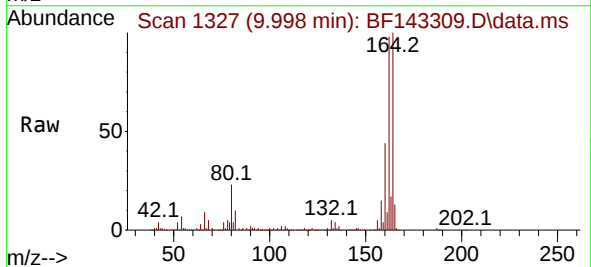
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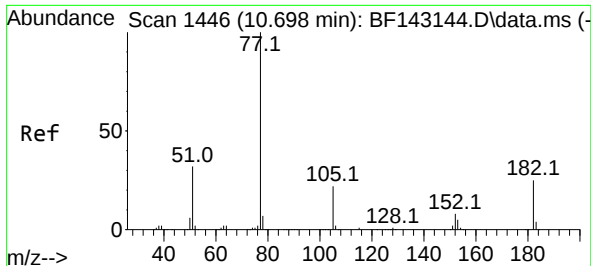
Tgt Ion:165 Resp: 29754
Ion Ratio Lower Upper
165 100
63 1.5 49.4 74.2#
89 1.3 46.2 69.2#



#57
2,4-Dinitrotoluene
Concen: 7.858 ng
RT: 9.998 min Scan# 1327
Delta R.T. -0.176 min
Lab File: BF143309.D
Acq: 05 Aug 2025 12:03

Tgt Ion:165 Resp: 29867
Ion Ratio Lower Upper
165 100
63 1.5 41.0 61.4#
89 1.3 61.1 91.7#
182 0.0 2.3 3.5#

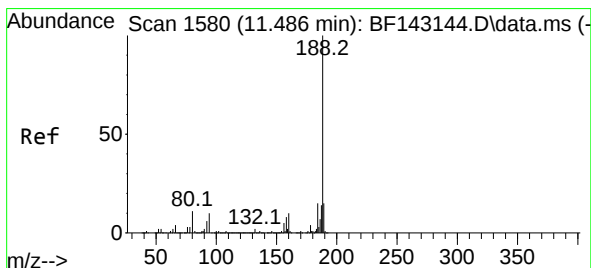
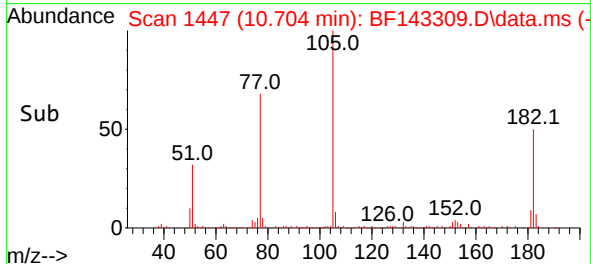
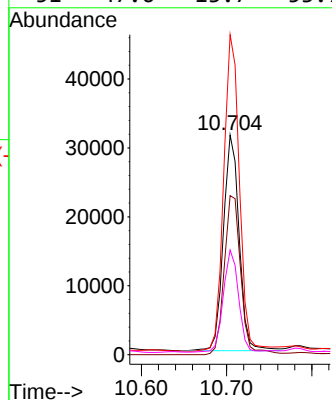
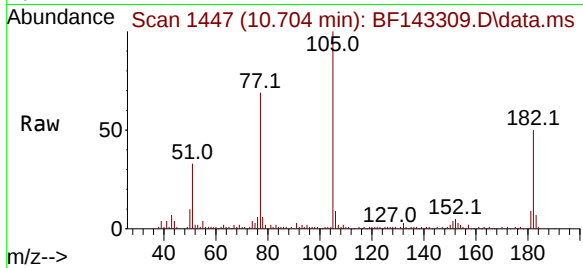




#63
 Azobenzene
 Concen: 2.634 ng
 RT: 10.704 min Scan# 1447
 Delta R.T. 0.006 min
 Lab File: BF143309.D
 Acq: 05 Aug 2025 12:03

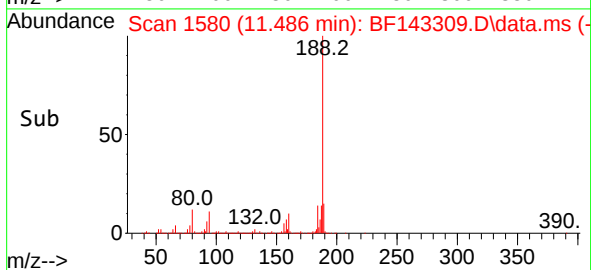
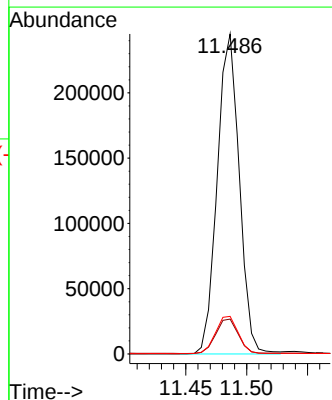
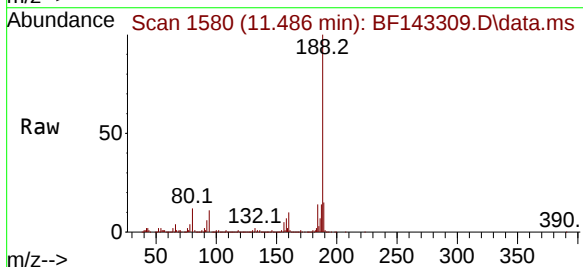
Instrument :
 BNA_F
 ClientSampleId :
 OU4-TS-GRILLO-OG3-073125

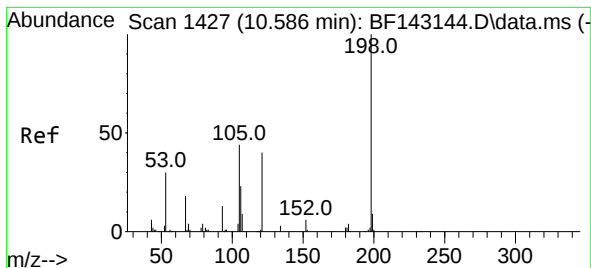
Tgt Ion: 77	Resp: 40409
Ion Ratio	Lower Upper
77	100
182	72.4 4.6 44.6#
105	145.6 1.4 41.4#
51	47.6 13.7 53.7



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.486 min Scan# 1580
 Delta R.T. 0.000 min
 Lab File: BF143309.D
 Acq: 05 Aug 2025 12:03

Tgt Ion: 188	Resp: 308976
Ion Ratio	Lower Upper
188	100
94	10.9 8.3 12.5
80	11.8 9.0 13.6

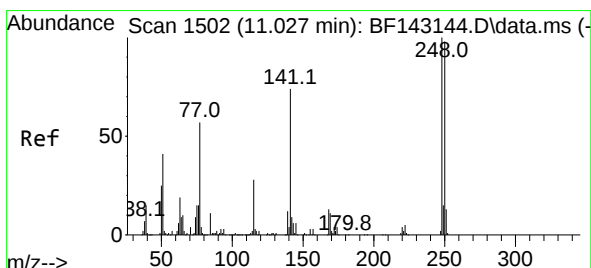
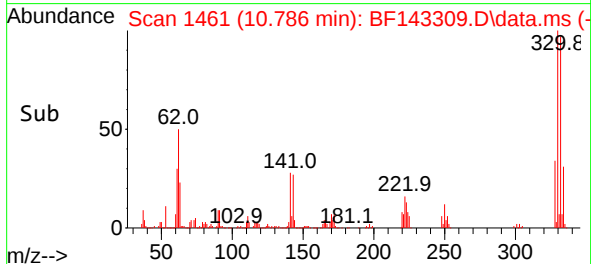
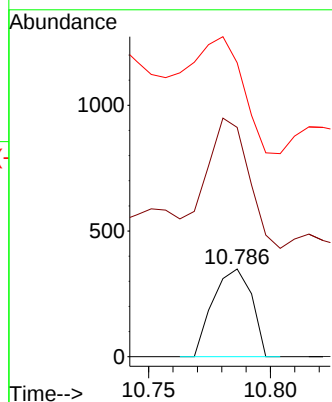
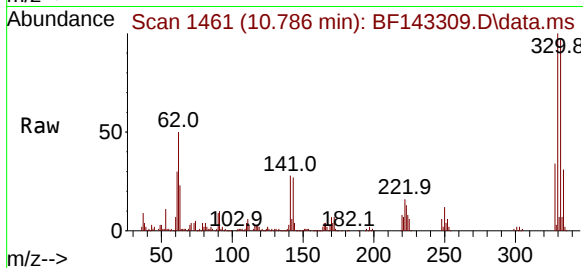




#65
4,6-Dinitro-2-methylphenol
Concen: 5.624 ng
RT: 10.786 min Scan# 1461
Delta R.T. 0.200 min
Lab File: BF143309.D
Acq: 05 Aug 2025 12:03

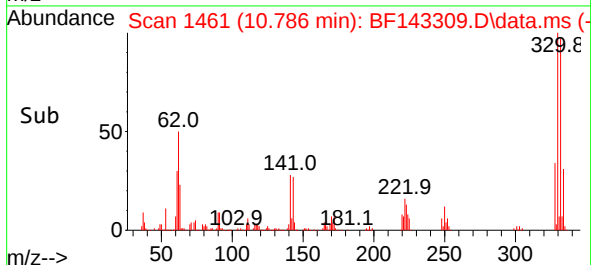
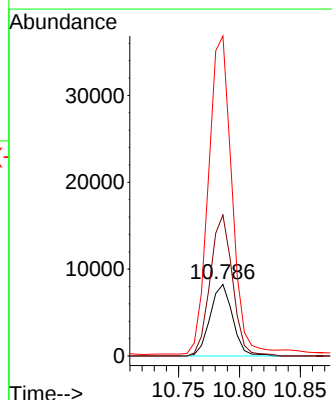
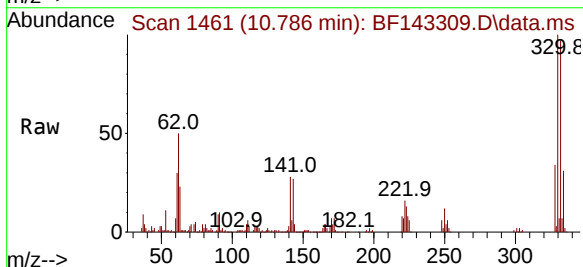
Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-OG3-073125

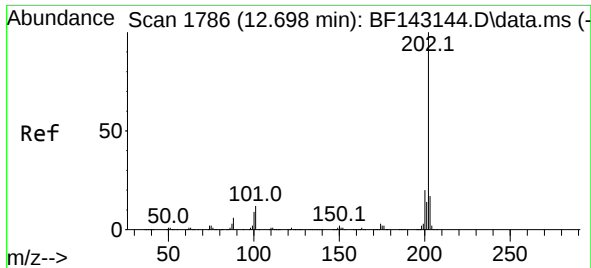
Tgt Ion:198 Resp: 386
Ion Ratio Lower Upper
198 100
51 261.3 37.2 77.2#
105 335.0 24.8 64.8#



#67
4-Bromophenyl-phenylether
Concen: 2.877 ng
RT: 10.786 min Scan# 1461
Delta R.T. -0.241 min
Lab File: BF143309.D
Acq: 05 Aug 2025 12:03

Tgt Ion:248 Resp: 10595
Ion Ratio Lower Upper
248 100
250 197.1 78.3 117.5#
141 447.3 59.2 88.8#

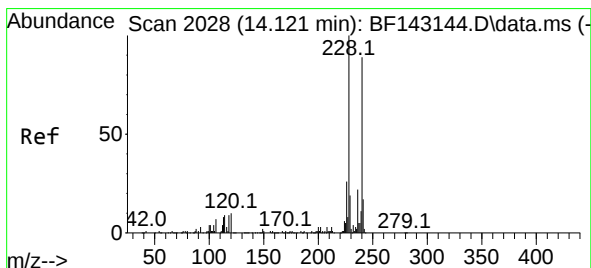
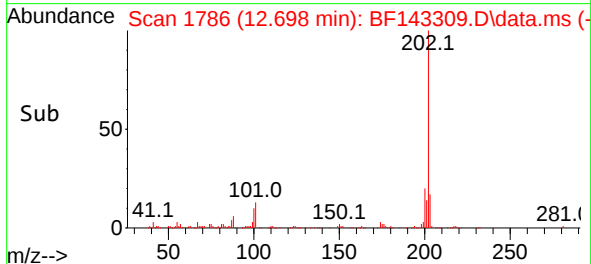
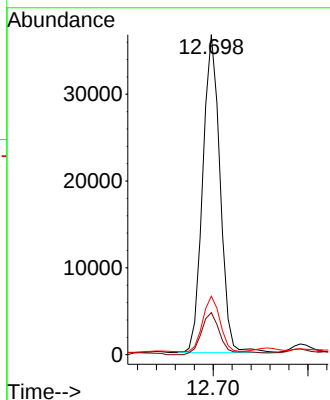
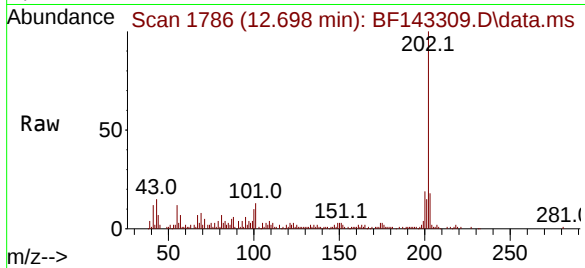




#75
Fluoranthene
Concen: 3.084 ng
RT: 12.698 min Scan# 1786
Delta R.T. 0.000 min
Lab File: BF143309.D
Acq: 05 Aug 2025 12:03

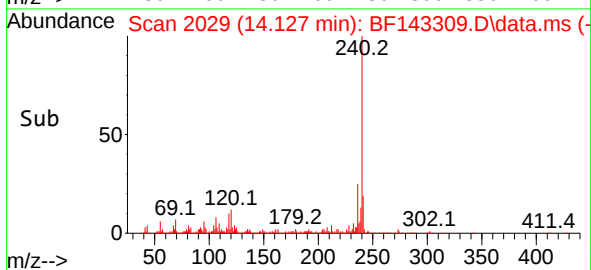
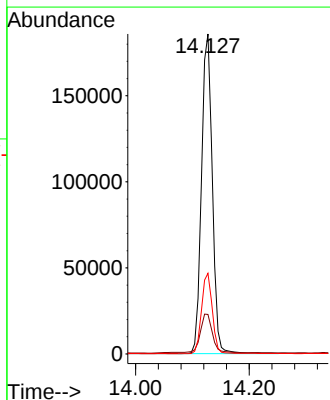
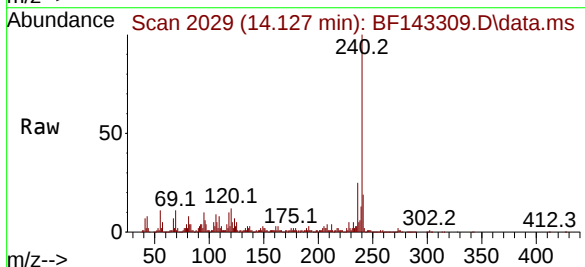
Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-OG3-073125

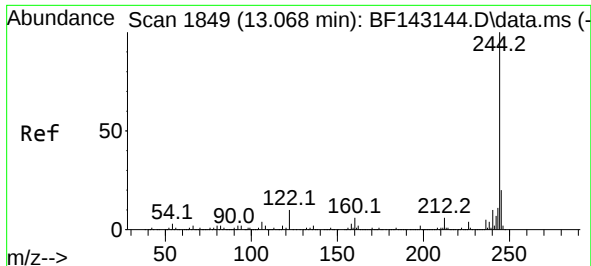
Tgt Ion:	202	Resp:	46440
Ion Ratio	Lower	Upper	
202	100		
101	13.1	0.0	31.7
203	18.3	0.0	37.4



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.127 min Scan# 2029
Delta R.T. 0.006 min
Lab File: BF143309.D
Acq: 05 Aug 2025 12:03

Tgt Ion:	240	Resp:	244731
Ion Ratio	Lower	Upper	
240	100		
120	12.3	9.4	14.2
236	25.2	20.2	30.4

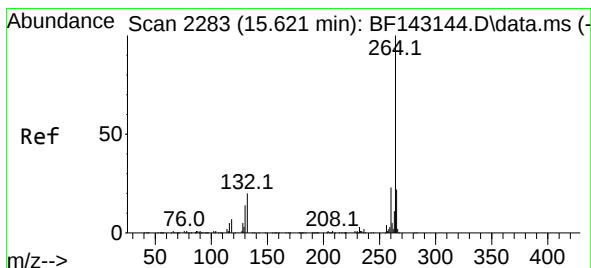
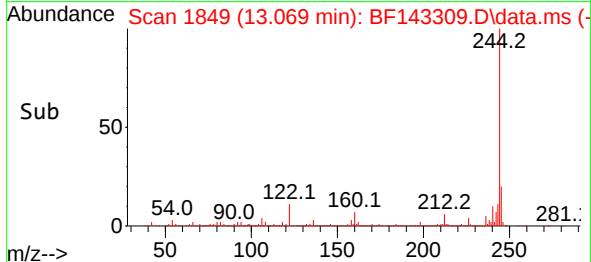
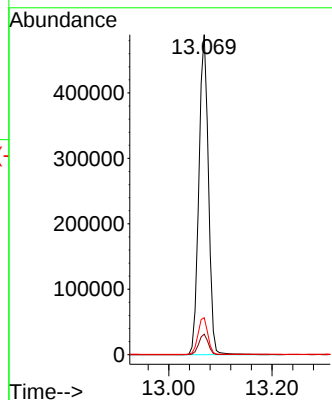
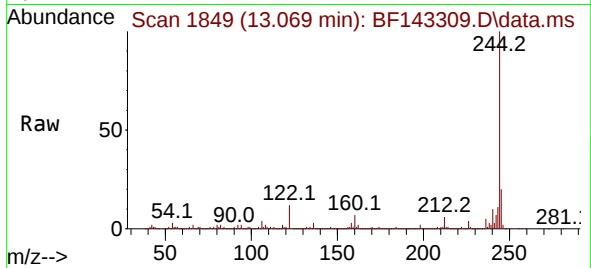




#79
 Terphenyl-d14
 Concen: 38.028 ng
 RT: 13.069 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: BF143309.D
 Acq: 05 Aug 2025 12:03

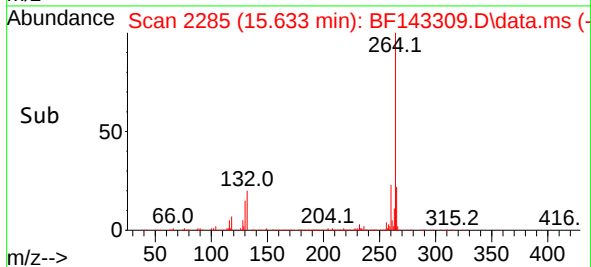
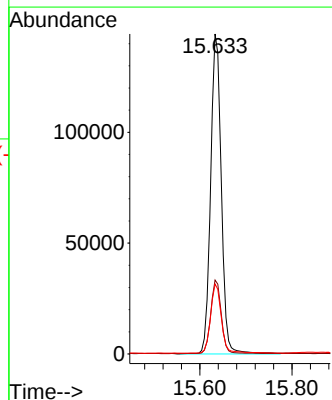
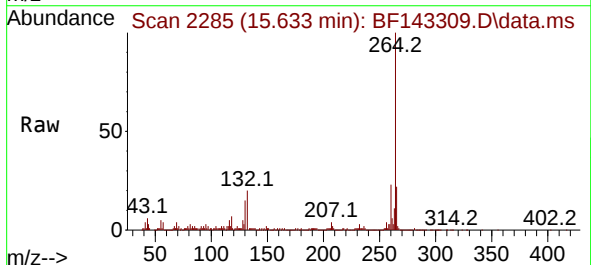
Instrument :
 BNA_F
 ClientSampleId :
 OU4-TS-GRILLO-OG3-073125

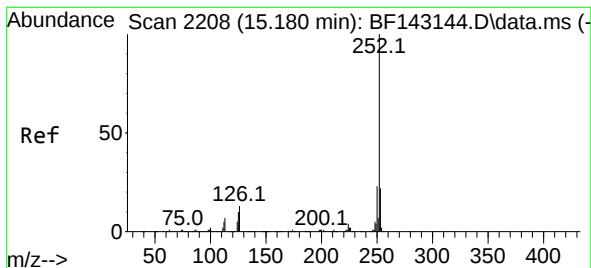
Tgt Ion:244 Resp: 625406
 Ion Ratio Lower Upper
 244 100
 212 6.4 5.2 7.8
 122 11.5 8.2 12.2



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.633 min Scan# 2285
 Delta R.T. 0.012 min
 Lab File: BF143309.D
 Acq: 05 Aug 2025 12:03

Tgt Ion:264 Resp: 233526
 Ion Ratio Lower Upper
 264 100
 260 23.1 18.5 27.7
 265 21.9 17.4 26.2





#88

Benzo(b)fluoranthene

Concen: 2.752 ng

RT: 15.186 min Scan# 2209

Delta R.T. 0.006 min

Lab File: BF143309.D

Acq: 05 Aug 2025 12:03

Instrument :

BNA_F

ClientSampleId :

OU4-TS-GRILLO-OG3-073125

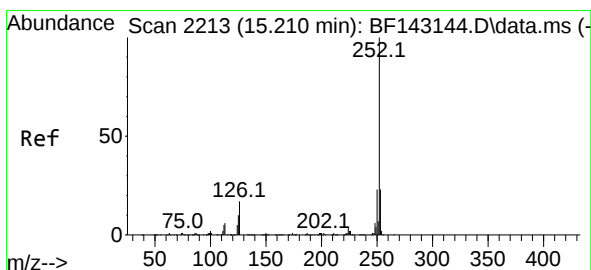
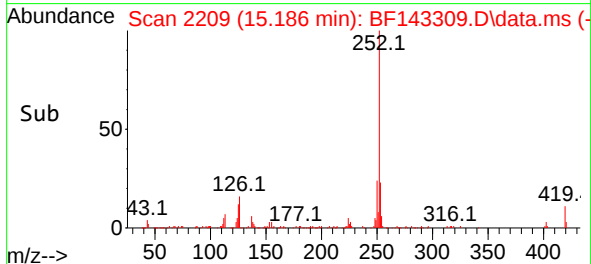
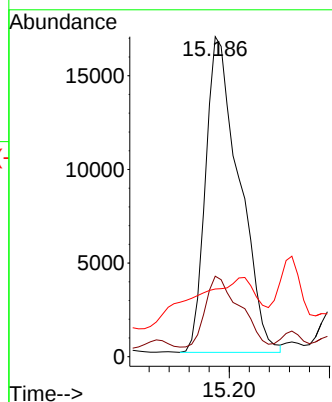
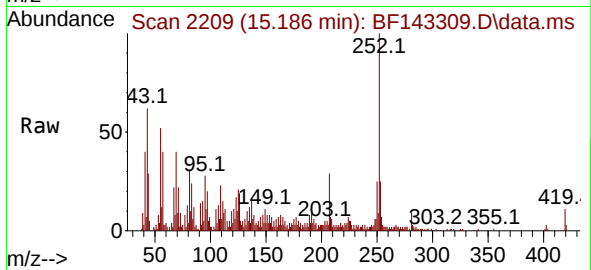
Tgt Ion:252 Resp: 39267

Ion Ratio Lower Upper

252 100

253 25.1 17.5 26.3

125 21.1 8.0 12.0#



#89

Benzo(k)fluoranthene

Concen: 3.084 ng

RT: 15.186 min Scan# 2209

Delta R.T. -0.023 min

Lab File: BF143309.D

Acq: 05 Aug 2025 12:03

Tgt Ion:252 Resp: 39267

Ion Ratio Lower Upper

252 100

253 25.1 17.8 26.6

125 21.1 8.1 12.1#

