

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060625\
 Data File : BF142669.D
 Acq On : 07 Jun 2025 04:08
 Operator : RC/JU
 Sample : Q2198-03
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B-207-SB02

Quant Time: Jun 07 05:51:13 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 20 16:26:47 2025
 Response via : Initial Calibration

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

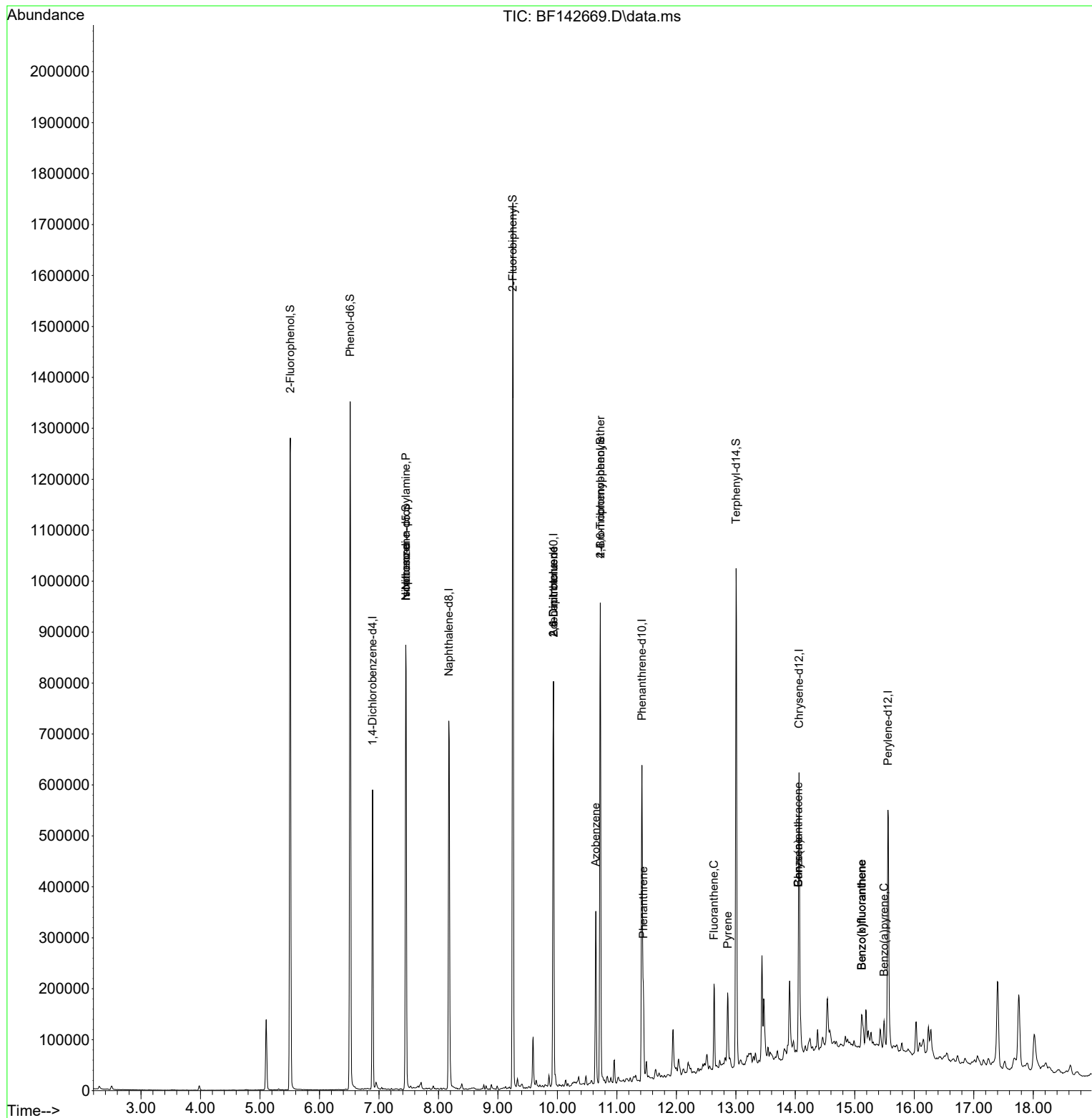
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.892	152	127258	20.000	ng	-0.01
21) Naphthalene-d8	8.175	136	474666	20.000	ng	-0.01
39) Acenaphthene-d10	9.933	164	241121	20.000	ng	-0.01
64) Phenanthrene-d10	11.422	188	324662	20.000	ng	-0.01
76) Chrysene-d12	14.063	240	257749	20.000	ng	-0.01
86) Perylene-d12	15.557	264	289821	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	512689	67.874	ng	0.00
7) Phenol-d6	6.516	99	643523	70.774	ng	-0.02
23) Nitrobenzene-d5	7.451	82	384967	44.224	ng	-0.02
42) 2,4,6-Tribromophenol	10.722	330	166233	62.117	ng	-0.02
45) 2-Fluorobiphenyl	9.251	172	778894	43.346	ng	-0.02
79) Terphenyl-d14	13.004	244	479837	25.440	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.451	70	50543	8.969	ng	# 75
25) Isophorone	7.451	82	371320	25.513	ng	# 63
51) 2,6-Dinitrotoluene	9.933	165	31843	9.273	ng	# 28
57) 2,4-Dinitrotoluene	9.933	165	31844	7.101	ng	# 28
63) Azobenzene	10.645	77	79291	5.681	ng	# 1
67) 4-Bromophenyl-phenylether	10.722	248	10169	2.649	ng	# 1
71) Phenanthrene	11.445	178	94716	5.459	ng	99
75) Fluoranthene	12.633	202	96973	5.981	ng	99
78) Pyrene	12.863	202	85849	3.570	ng	97
81) Benzo(a)anthracene	14.051	228	37937	2.204	ng	96
83) Chrysene	14.051	228	37937	2.453	ng	95
88) Benzo(b)fluoranthene	15.115	252	58018	3.382	ng	# 93
89) Benzo(k)fluoranthene	15.115	252	58018	3.611	ng	# 93
90) Benzo(a)pyrene	15.492	252	32369	2.002	ng	# 92

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

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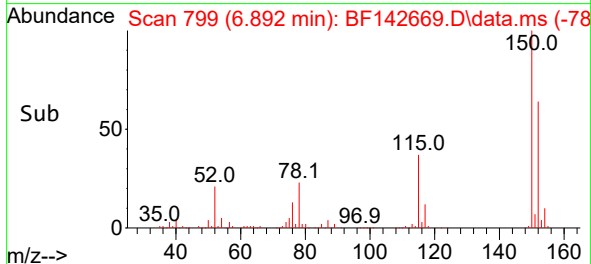
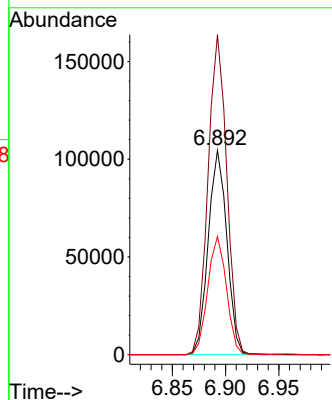
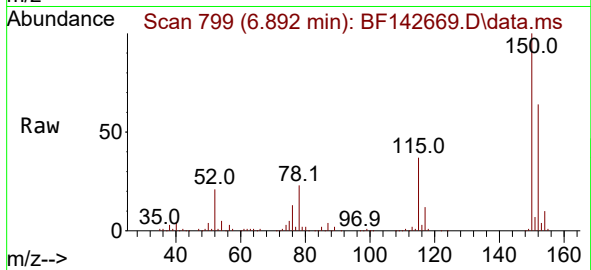




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.892 min Scan# 79
Delta R.T. -0.012 min
Lab File: BF142669.D
Acq: 07 Jun 2025 04:08

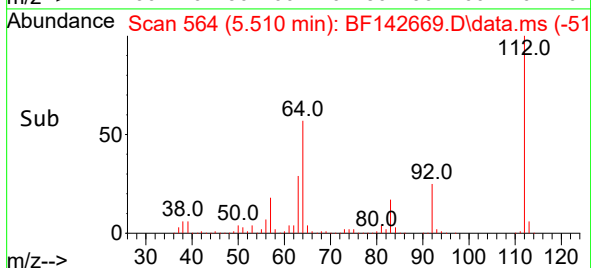
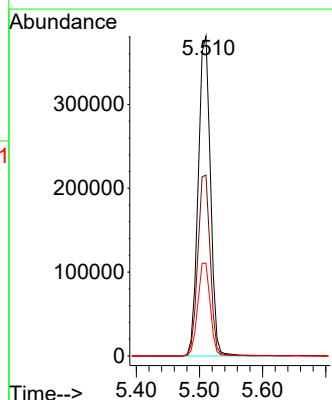
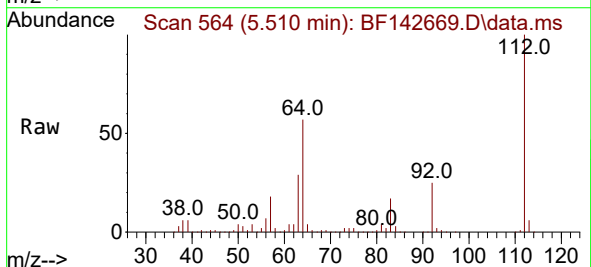
Instrument :
BNA_F
ClientSampleId :
B-207-SB02

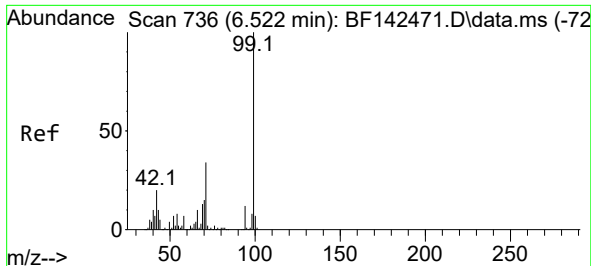
Tgt Ion:152 Resp: 127258
Ion Ratio Lower Upper
152 100
150 156.6 128.2 192.4
115 57.9 48.3 72.5



#5
2-Fluorophenol
Concen: 67.874 ng
RT: 5.510 min Scan# 564
Delta R.T. -0.006 min
Lab File: BF142669.D
Acq: 07 Jun 2025 04:08

Tgt Ion:112 Resp: 512689
Ion Ratio Lower Upper
112 100
64 56.5 47.5 71.3
63 29.0 24.9 37.3

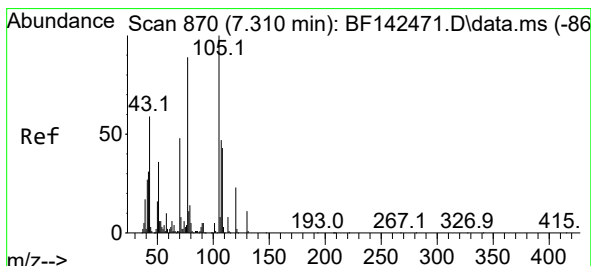
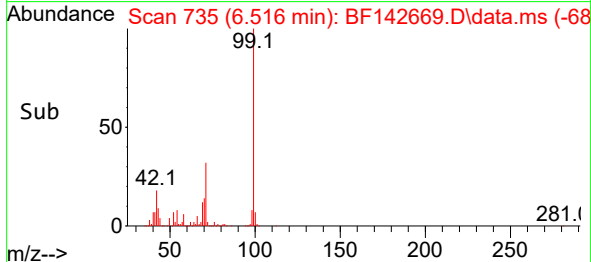
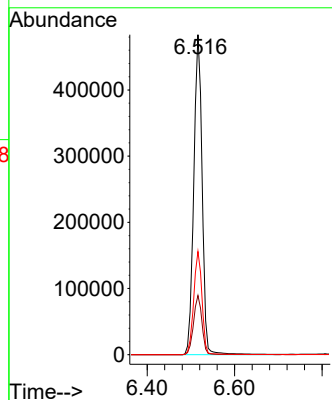
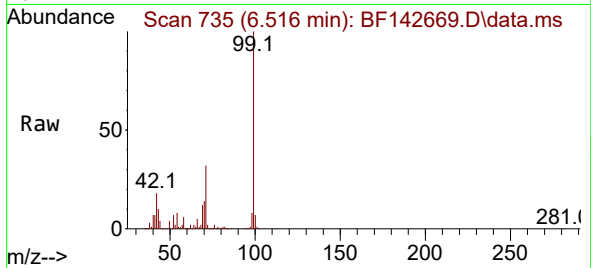




#7
Phenol-d6
Concen: 70.774 ng
RT: 6.516 min Scan# 71
Delta R.T. -0.018 min
Lab File: BF142669.D
Acq: 07 Jun 2025 04:08

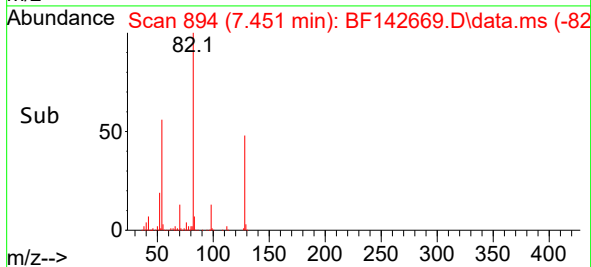
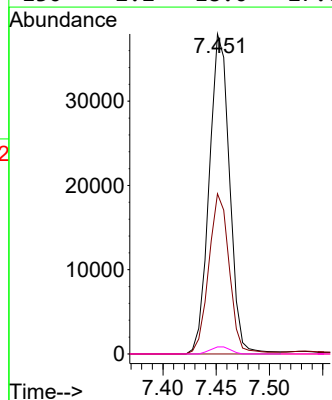
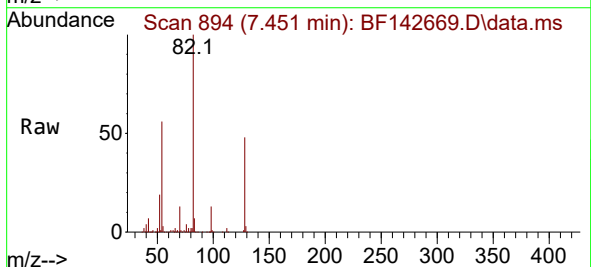
Instrument :
BNA_F
ClientSampleId :
B-207-SB02

Tgt Ion: 99 Resp: 643523
Ion Ratio Lower Upper
99 100
42 18.5 16.2 24.2
71 32.3 27.3 40.9



#19
n-Nitroso-di-n-propylamine
Concen: 8.969 ng
RT: 7.451 min Scan# 894
Delta R.T. 0.124 min
Lab File: BF142669.D
Acq: 07 Jun 2025 04:08

Tgt Ion: 70 Resp: 50543
Ion Ratio Lower Upper
70 100
42 50.0 52.4 78.6#
101 0.0 7.8 11.8#
130 2.2 18.0 27.0#



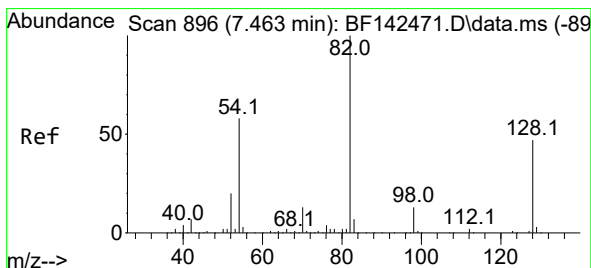
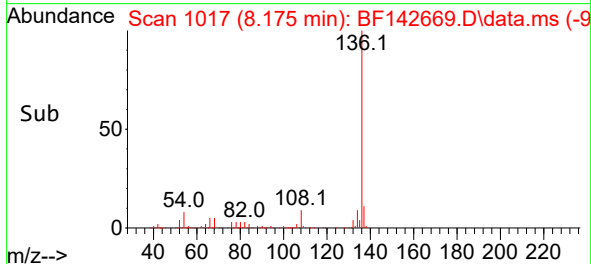
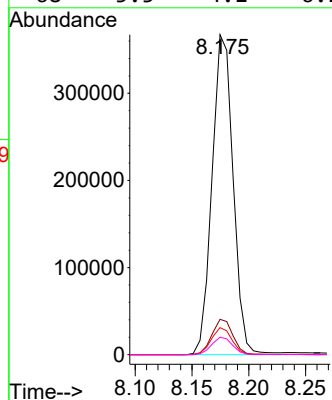
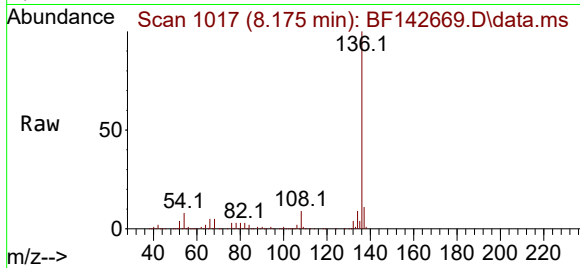


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.175 min Scan# 1017
Delta R.T. -0.012 min
Lab File: BF142669.D
Acq: 07 Jun 2025 04:08

Instrument :
BNA_F
ClientSampleId :
B-207-SB02

Tgt Ion:136 Resp: 474666

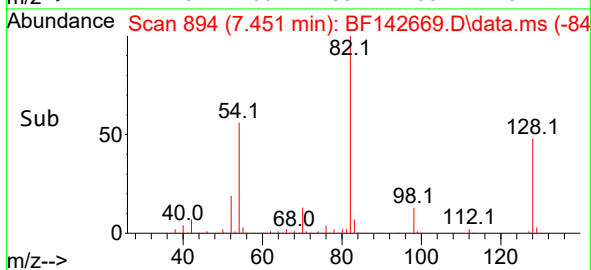
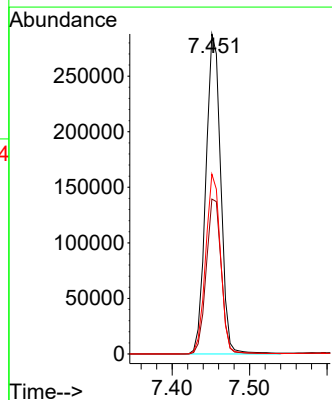
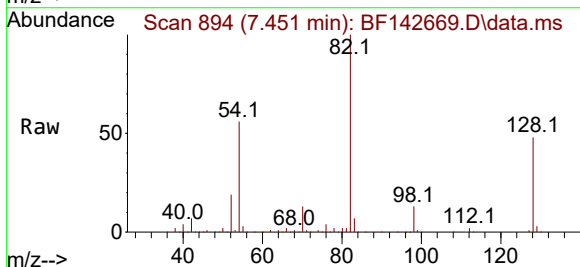
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.6	13.0
54	8.4	6.6	10.0
68	5.5	4.1	6.1



#23
Nitrobenzene-d5
Concen: 44.224 ng
RT: 7.451 min Scan# 894
Delta R.T. -0.023 min
Lab File: BF142669.D
Acq: 07 Jun 2025 04:08

Tgt Ion: 82 Resp: 384967

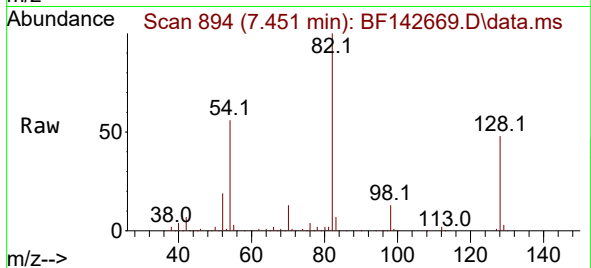
Ion	Ratio	Lower	Upper
82	100		
128	48.4	37.4	56.2
54	56.2	46.6	70.0



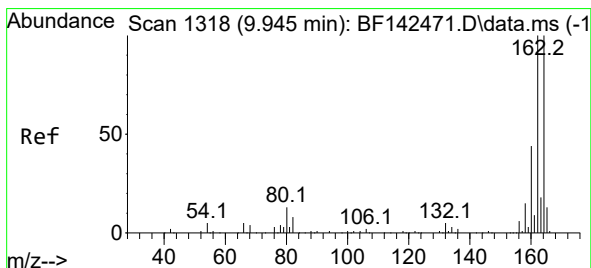
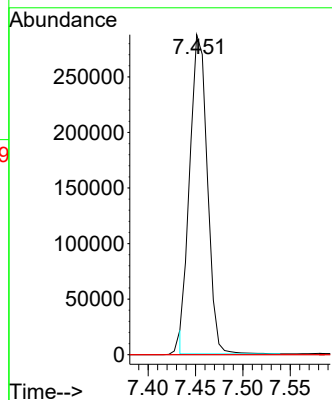
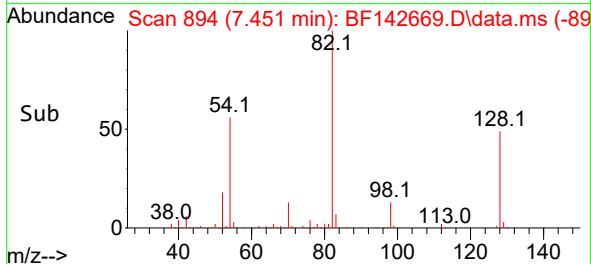


#25
Isophorone
Concen: 25.513 ng
RT: 7.451 min Scan# 894
Delta R.T. -0.282 min
Lab File: BF142669.D
Acq: 07 Jun 2025 04:08

Instrument :
BNA_F
ClientSampleId :
B-207-SB02

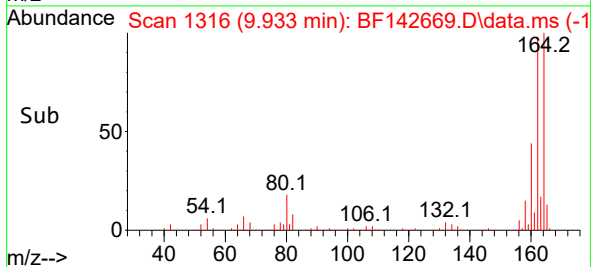
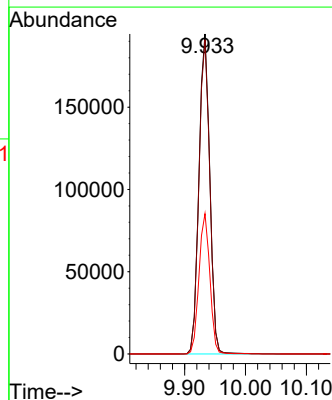
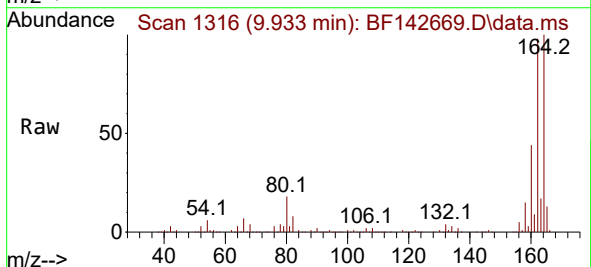


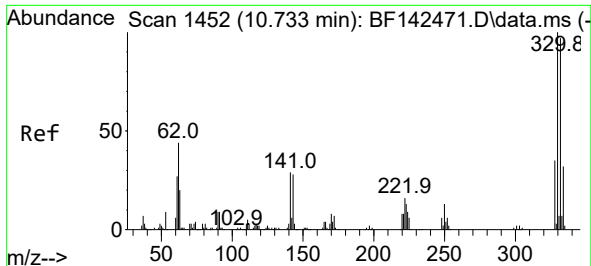
Tgt Ion: 82 Resp: 371320
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 15.5 23.3#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.933 min Scan# 1316
Delta R.T. -0.012 min
Lab File: BF142669.D
Acq: 07 Jun 2025 04:08

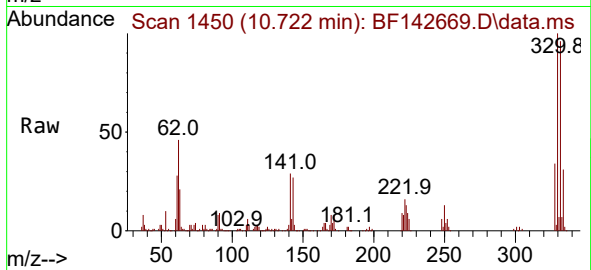
Tgt Ion: 164 Resp: 241121
Ion Ratio Lower Upper
164 100
162 98.2 80.2 120.4
160 43.9 35.6 53.4



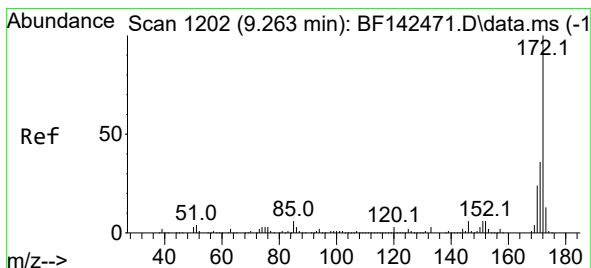
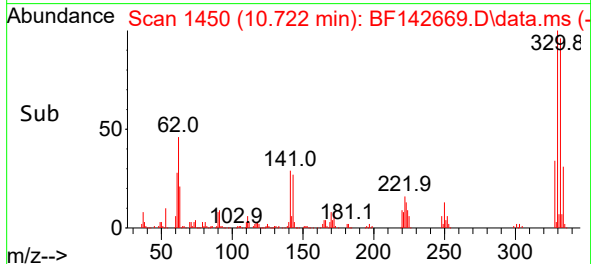
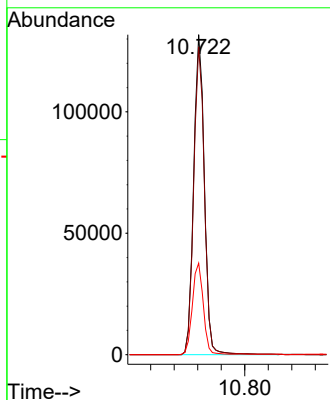


#42
2,4,6-Tribromophenol
Concen: 62.117 ng
RT: 10.722 min Scan# 1452
Delta R.T. -0.018 min
Lab File: BF142669.D
Acq: 07 Jun 2025 04:08

Instrument :
BNA_F
ClientSampleId :
B-207-SB02

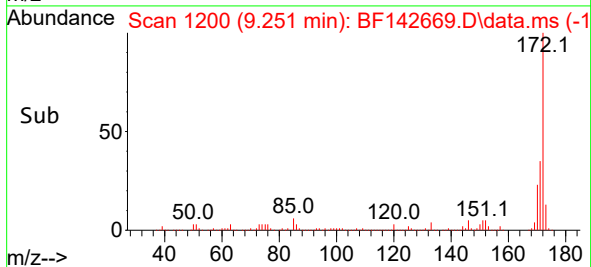
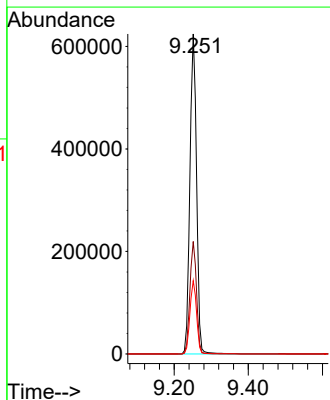
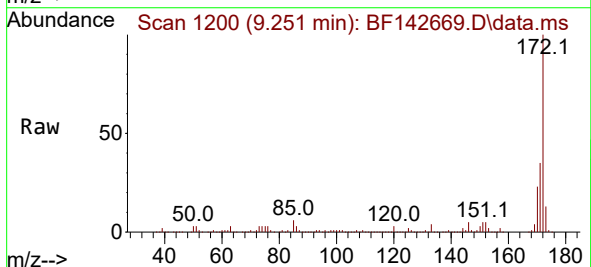


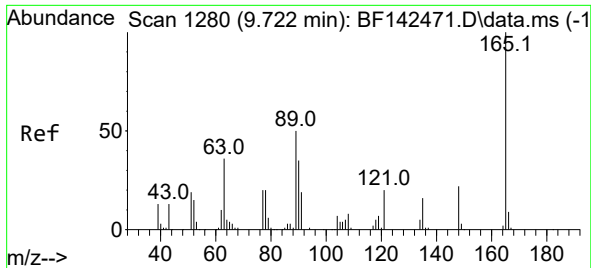
Tgt Ion:330 Resp: 166233
Ion Ratio Lower Upper
330 100
332 96.5 77.6 116.4
141 29.3 24.6 36.8



#45
2-Fluorobiphenyl
Concen: 43.346 ng
RT: 9.251 min Scan# 1200
Delta R.T. -0.018 min
Lab File: BF142669.D
Acq: 07 Jun 2025 04:08

Tgt Ion:172 Resp: 778894
Ion Ratio Lower Upper
172 100
171 35.2 28.6 42.8
170 22.9 18.9 28.3

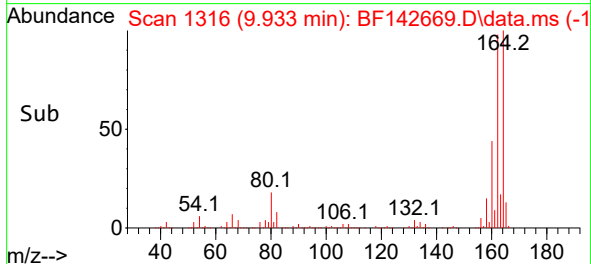
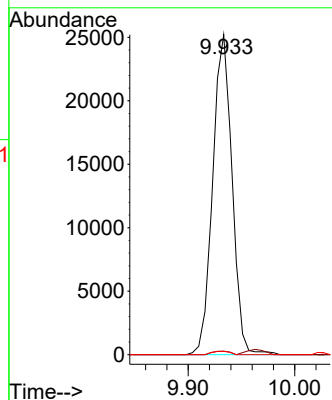
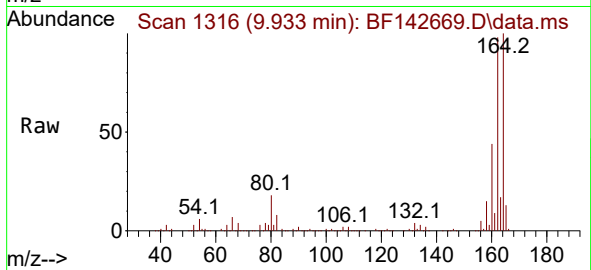




#51
2,6-Dinitrotoluene
Concen: 9.273 ng
RT: 9.933 min Scan# 1316
Delta R.T. 0.206 min
Lab File: BF142669.D
Acq: 07 Jun 2025 04:08

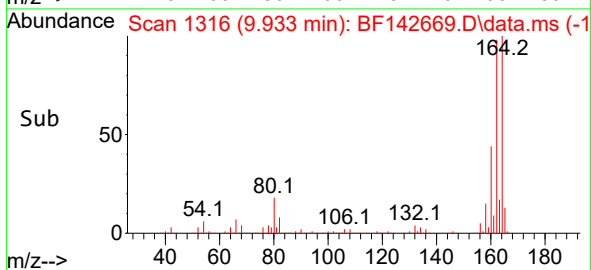
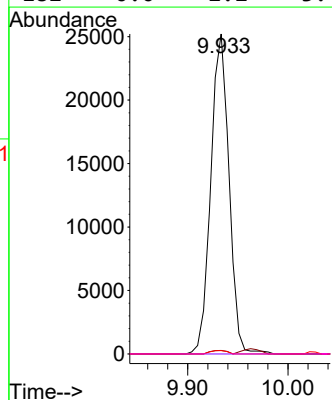
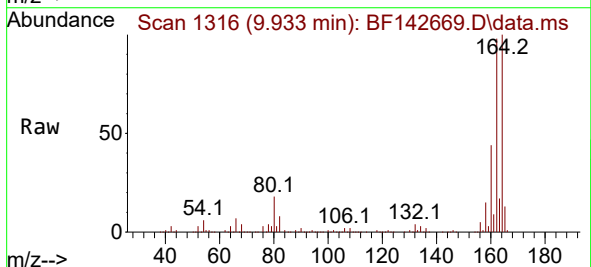
Instrument :
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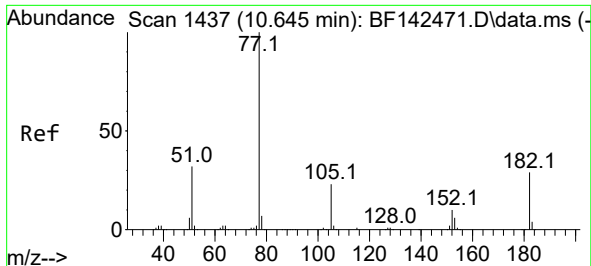
Tgt Ion:165 Resp: 31843
Ion Ratio Lower Upper
165 100
63 1.1 42.9 64.3#
89 1.1 40.2 60.4#



#57
2,4-Dinitrotoluene
Concen: 7.101 ng
RT: 9.933 min Scan# 1316
Delta R.T. -0.200 min
Lab File: BF142669.D
Acq: 07 Jun 2025 04:08

Tgt Ion:165 Resp: 31844
Ion Ratio Lower Upper
165 100
63 1.1 33.6 50.4#
89 1.1 50.2 75.4#
182 0.0 2.2 3.4#

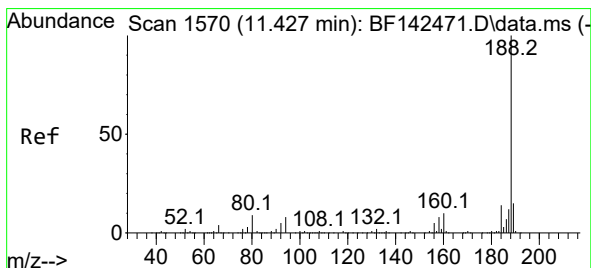
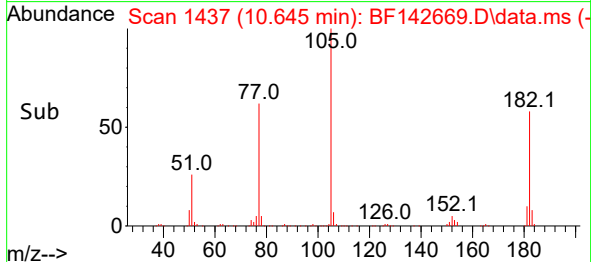
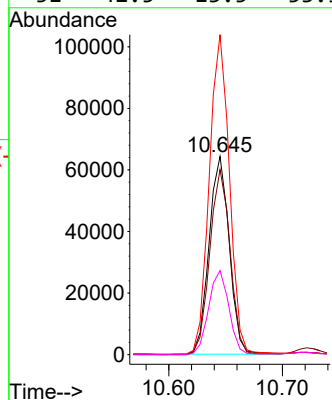
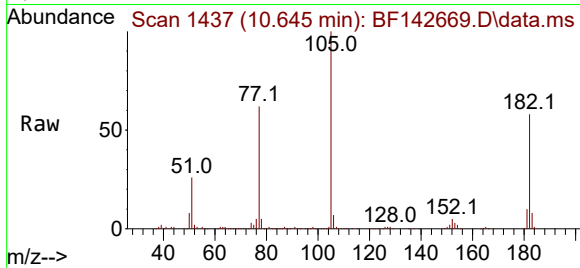




#63
Azobenzene
Concen: 5.681 ng
RT: 10.645 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF142669.D
Acq: 07 Jun 2025 04:08

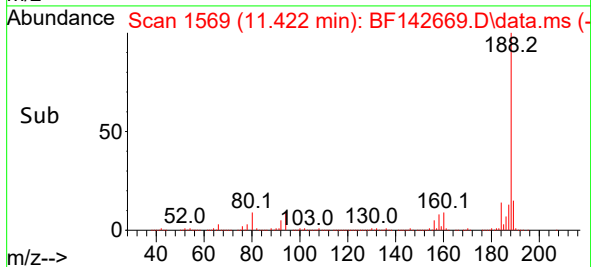
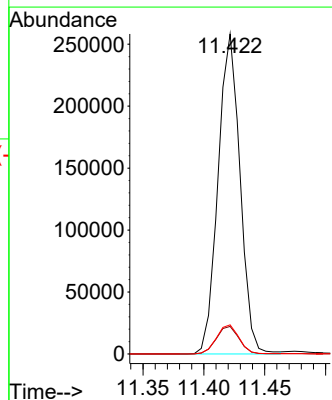
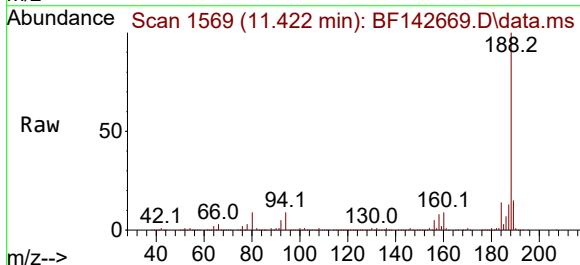
Instrument :
BNA_F
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B-207-SB02

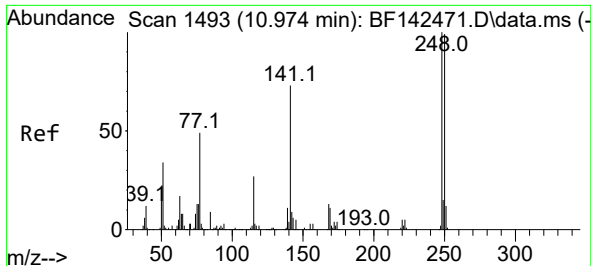
Tgt Ion: 77	Resp: 79291
Ion Ratio	Lower Upper
77 100	
182 93.4	9.0 49.0#
105 161.5	2.4 42.4#
51 42.5	13.5 53.5



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.422 min Scan# 1569
Delta R.T. -0.012 min
Lab File: BF142669.D
Acq: 07 Jun 2025 04:08

Tgt Ion: 188	Resp: 324662
Ion Ratio	Lower Upper
188 100	
94 8.6	6.6 10.0
80 9.1	7.4 11.0

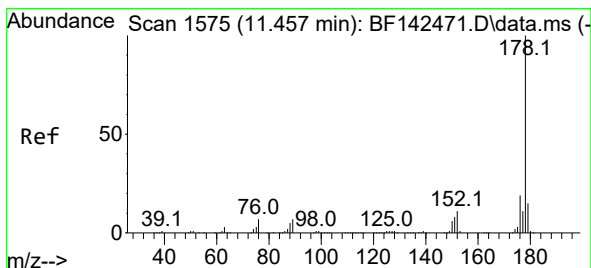
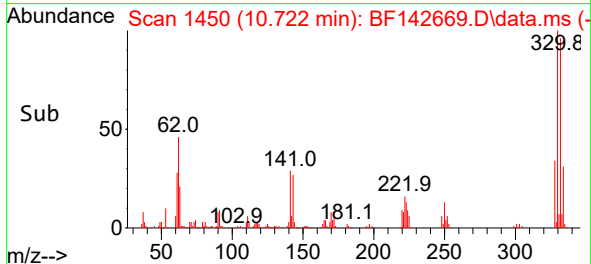
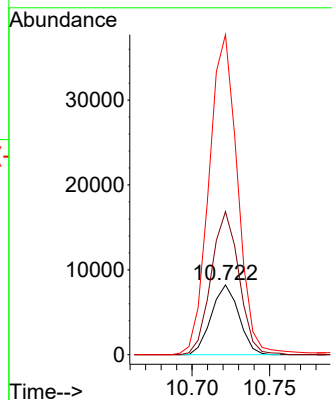
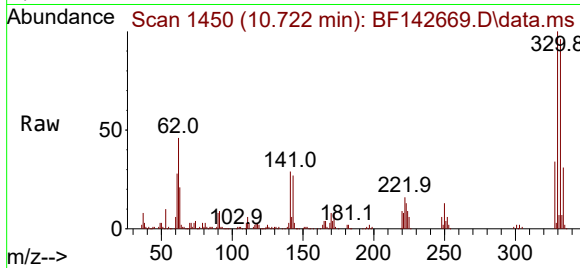




#67
4-Bromophenyl-phenylether
Concen: 2.649 ng
RT: 10.722 min Scan# 1493
Delta R.T. -0.253 min
Lab File: BF142669.D
Acq: 07 Jun 2025 04:08

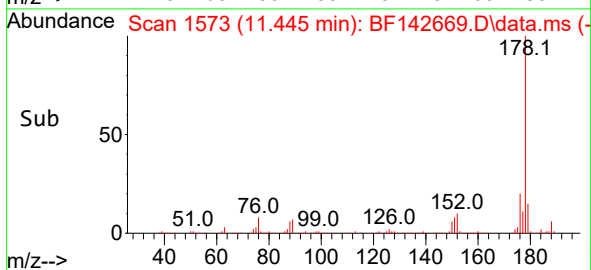
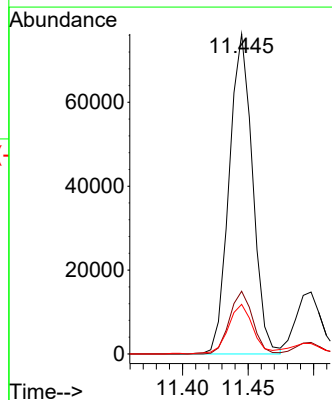
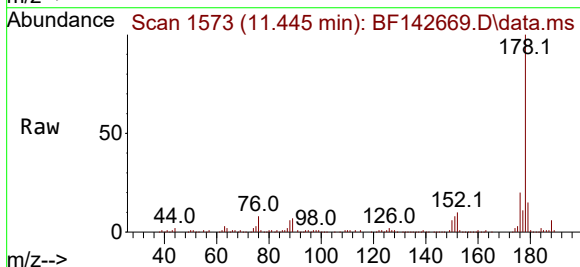
Instrument :
BNA_F
ClientSampleId :
B-207-SB02

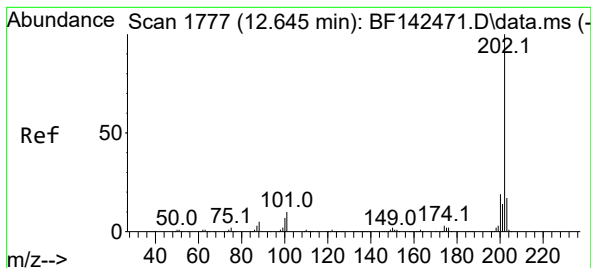
Tgt Ion:248 Resp: 10169
Ion Ratio Lower Upper
248 100
250 205.1 79.0 118.4#
141 458.6 58.4 87.6#



#71
Phenanthrene
Concen: 5.459 ng
RT: 11.445 min Scan# 1573
Delta R.T. -0.012 min
Lab File: BF142669.D
Acq: 07 Jun 2025 04:08

Tgt Ion:178 Resp: 94716
Ion Ratio Lower Upper
178 100
176 19.6 15.4 23.0
179 15.5 12.3 18.5





#75

Fluoranthene

Concen: 5.981 ng

RT: 12.633 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF142669.D

Acq: 07 Jun 2025 04:08

Instrument :

BNA_F

ClientSampleId :

B-207-SB02

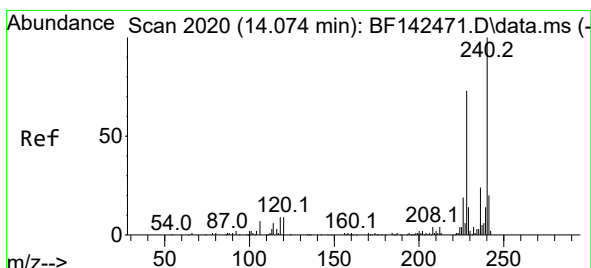
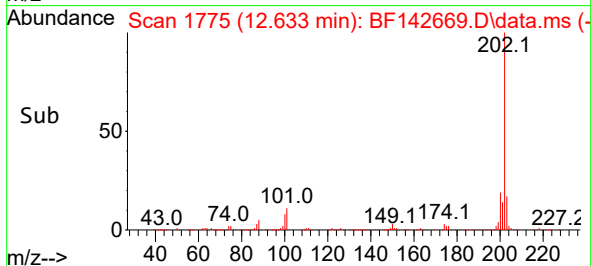
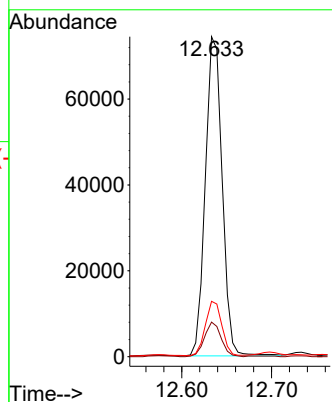
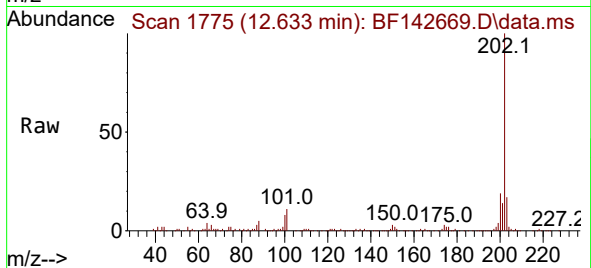
Tgt Ion:202 Resp: 96973

Ion Ratio Lower Upper

202 100

101 10.8 0.0 29.6

203 17.3 0.0 37.2



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.063 min Scan# 2018

Delta R.T. -0.012 min

Lab File: BF142669.D

Acq: 07 Jun 2025 04:08

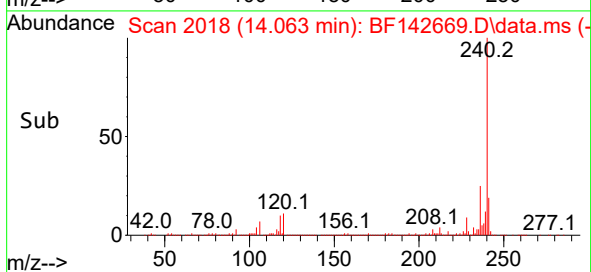
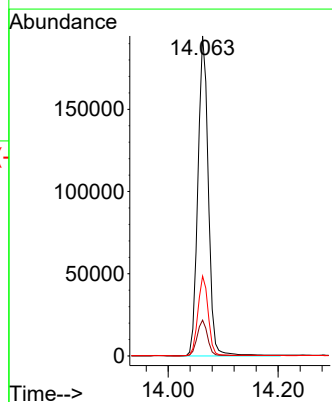
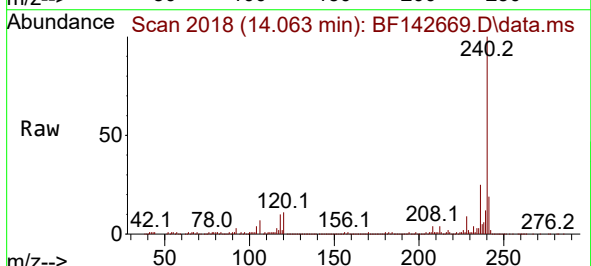
Tgt Ion:240 Resp: 257749

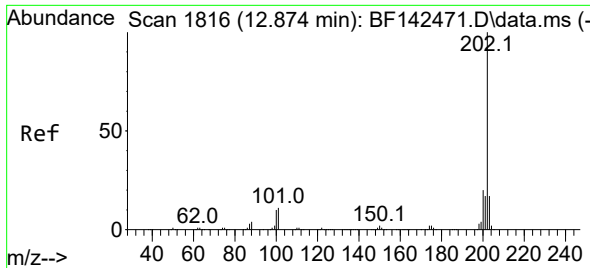
Ion Ratio Lower Upper

240 100

120 11.2 7.5 11.3

236 25.0 19.6 29.4

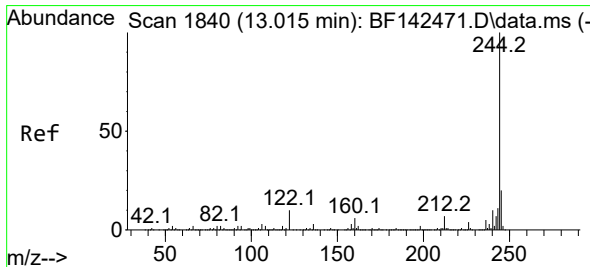
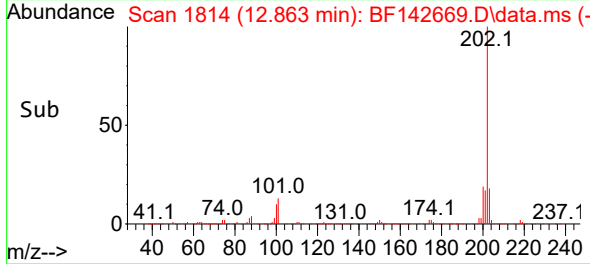
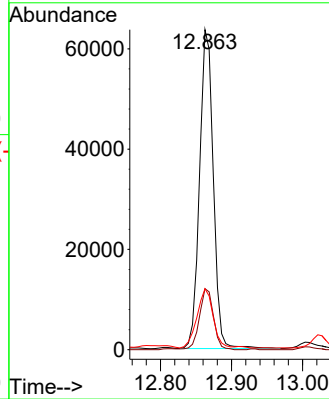
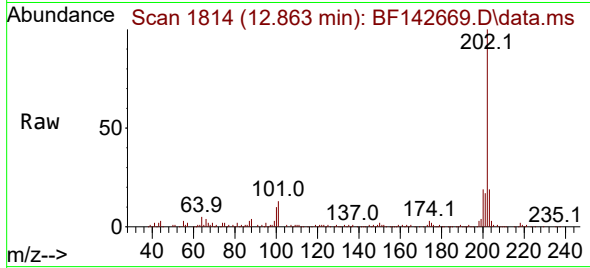




#78
Pyrene
Concen: 3.570 ng
RT: 12.863 min Scan# 1814
Delta R.T. -0.012 min
Lab File: BF142669.D
Acq: 07 Jun 2025 04:08

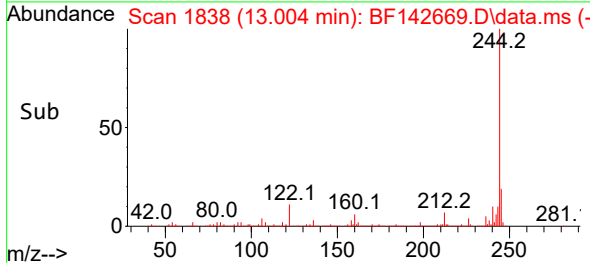
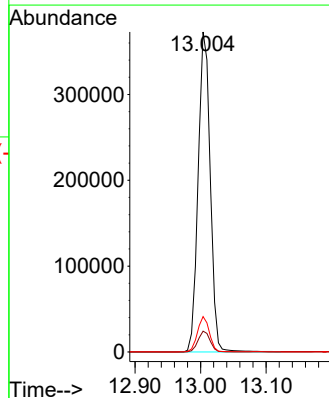
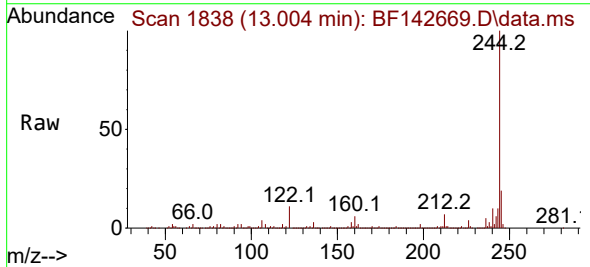
Instrument :
BNA_F
ClientSampleId :
B-207-SB02

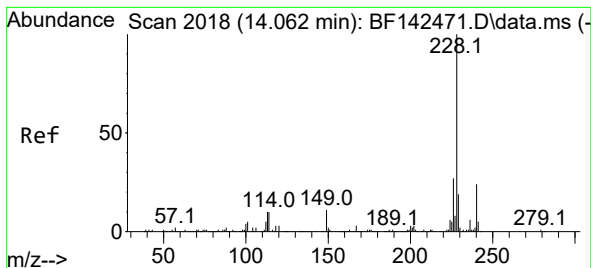
Tgt Ion:202 Resp: 85849
Ion Ratio Lower Upper
202 100
200 19.0 16.1 24.1
203 19.0 13.9 20.9



#79
Terphenyl-d14
Concen: 25.440 ng
RT: 13.004 min Scan# 1838
Delta R.T. -0.012 min
Lab File: BF142669.D
Acq: 07 Jun 2025 04:08

Tgt Ion:244 Resp: 479837
Ion Ratio Lower Upper
244 100
212 6.5 5.3 7.9
122 11.1 8.2 12.2





#81

Benzo(a)anthracene

Concen: 2.204 ng

RT: 14.051 min Scan# 2016

Delta R.T. -0.012 min

Lab File: BF142669.D

Acq: 07 Jun 2025 04:08

Instrument :

BNA_F

ClientSampleId :

B-207-SB02

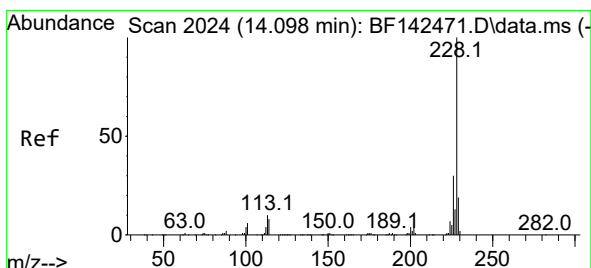
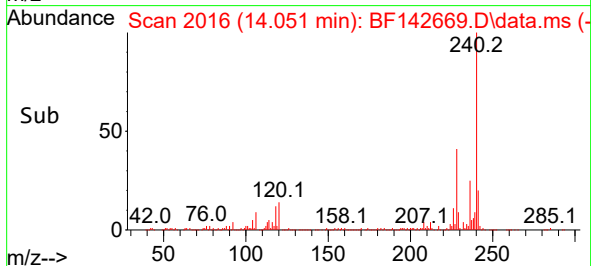
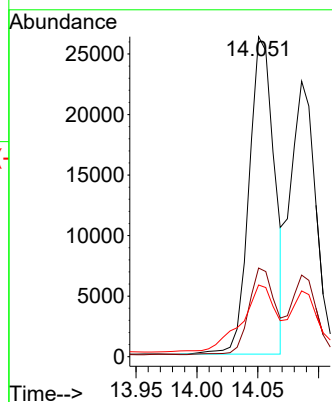
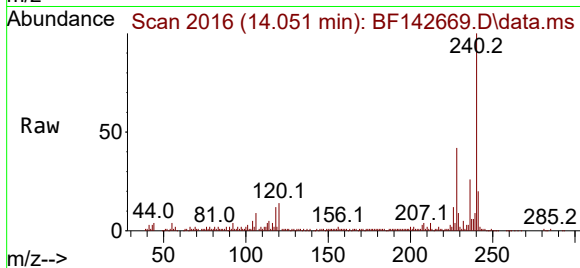
Tgt Ion:228 Resp: 37937

Ion Ratio Lower Upper

228 100

226 27.7 21.2 31.8

229 22.4 15.5 23.3



#83

Chrysene

Concen: 2.453 ng

RT: 14.051 min Scan# 2016

Delta R.T. -0.053 min

Lab File: BF142669.D

Acq: 07 Jun 2025 04:08

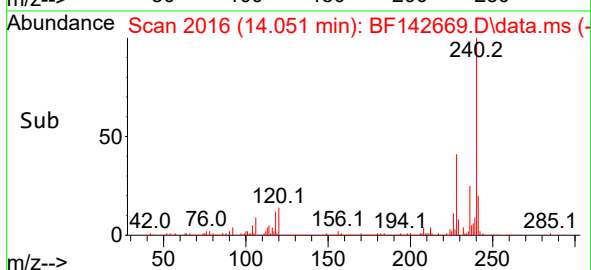
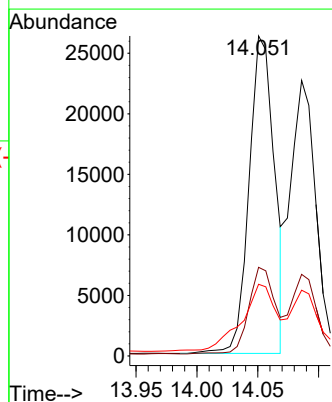
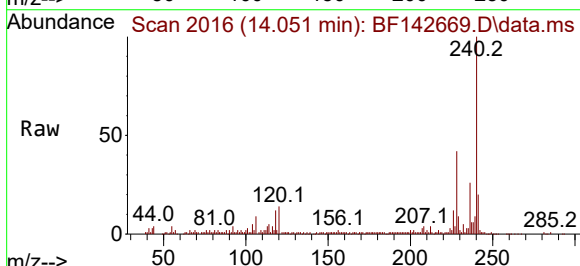
Tgt Ion:228 Resp: 37937

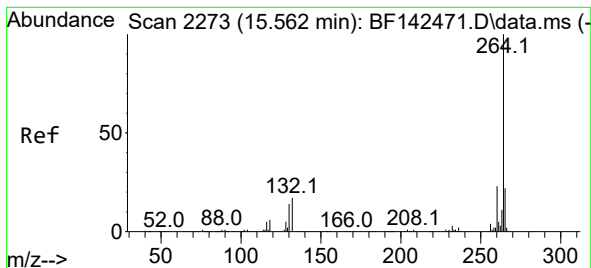
Ion Ratio Lower Upper

228 100

226 27.7 23.8 35.6

229 22.4 15.4 23.2





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.557 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF142669.D

Acq: 07 Jun 2025 04:08

Instrument :

BNA_F

ClientSampleId :

B-207-SB02

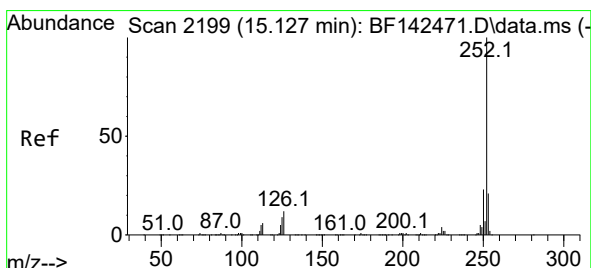
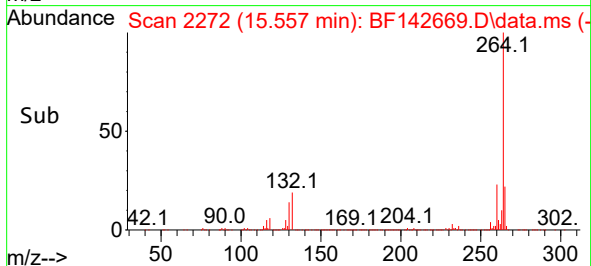
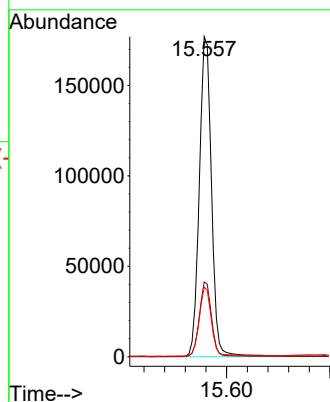
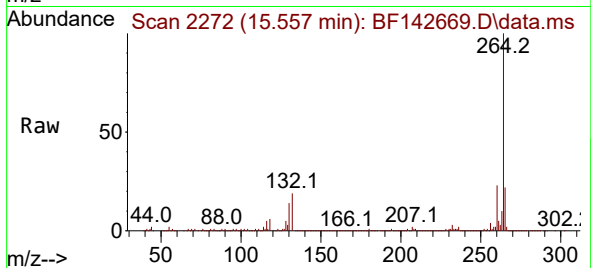
Tgt Ion:264 Resp: 289821

Ion Ratio Lower Upper

264 100

260 23.3 18.6 28.0

265 21.7 17.7 26.5



#88

Benzo(b)fluoranthene

Concen: 3.382 ng

RT: 15.115 min Scan# 2197

Delta R.T. -0.012 min

Lab File: BF142669.D

Acq: 07 Jun 2025 04:08

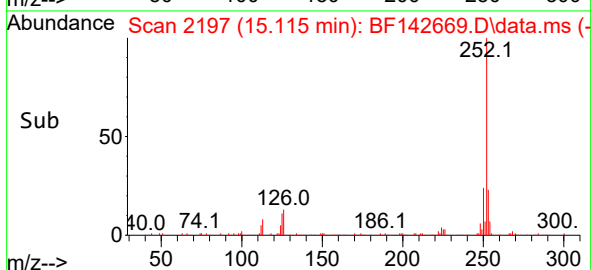
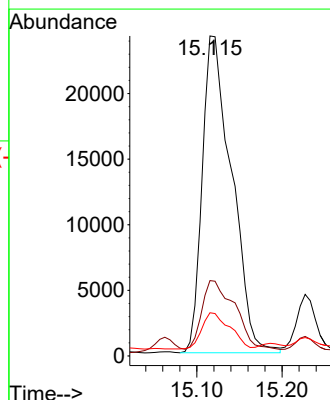
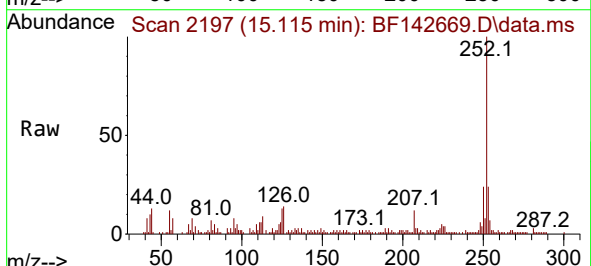
Tgt Ion:252 Resp: 58018

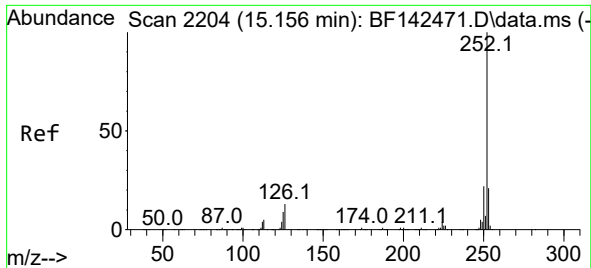
Ion Ratio Lower Upper

252 100

253 23.6 17.0 25.4

125 13.5 7.4 11.0#

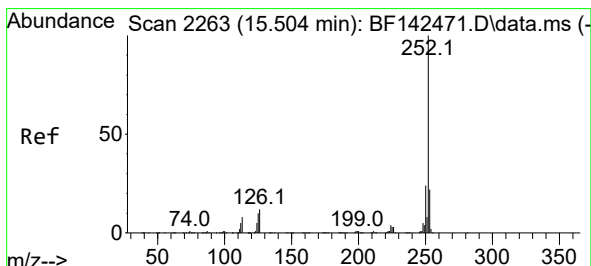
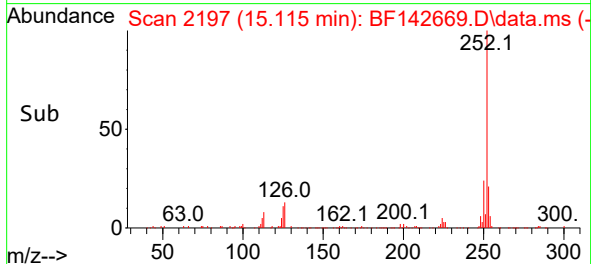
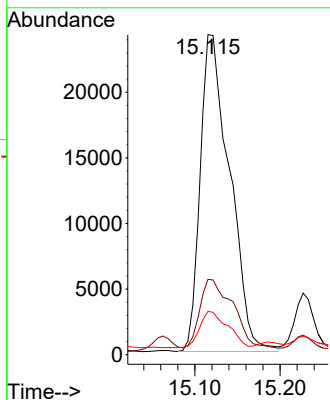
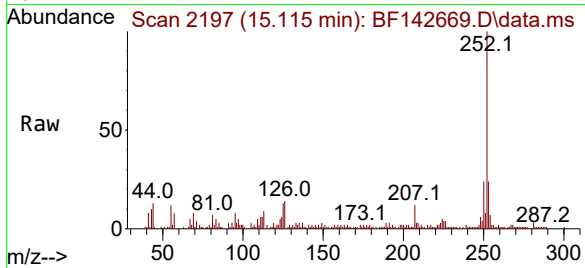




#89
Benzo(k)fluoranthene
Concen: 3.611 ng
RT: 15.115 min Scan# 2119
Delta R.T. -0.047 min
Lab File: BF142669.D
Acq: 07 Jun 2025 04:08

Instrument :
BNA_F
ClientSampleId :
B-207-SB02

Tgt Ion:252 Resp: 58018
Ion Ratio Lower Upper
252 100
253 23.6 17.0 25.4
125 13.5 7.3 10.9#



#90
Benzo(a)pyrene
Concen: 2.002 ng
RT: 15.492 min Scan# 2261
Delta R.T. -0.018 min
Lab File: BF142669.D
Acq: 07 Jun 2025 04:08

Tgt Ion:252 Resp: 32369
Ion Ratio Lower Upper
252 100
253 24.9 17.4 26.0
125 13.6 7.9 11.9#

