

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060625\
 Data File : BF142652.D
 Acq On : 06 Jun 2025 18:01
 Operator : RC/JU
 Sample : Q2177-04
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B-187-SB02

Quant Time: Jun 06 22:56:13 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)

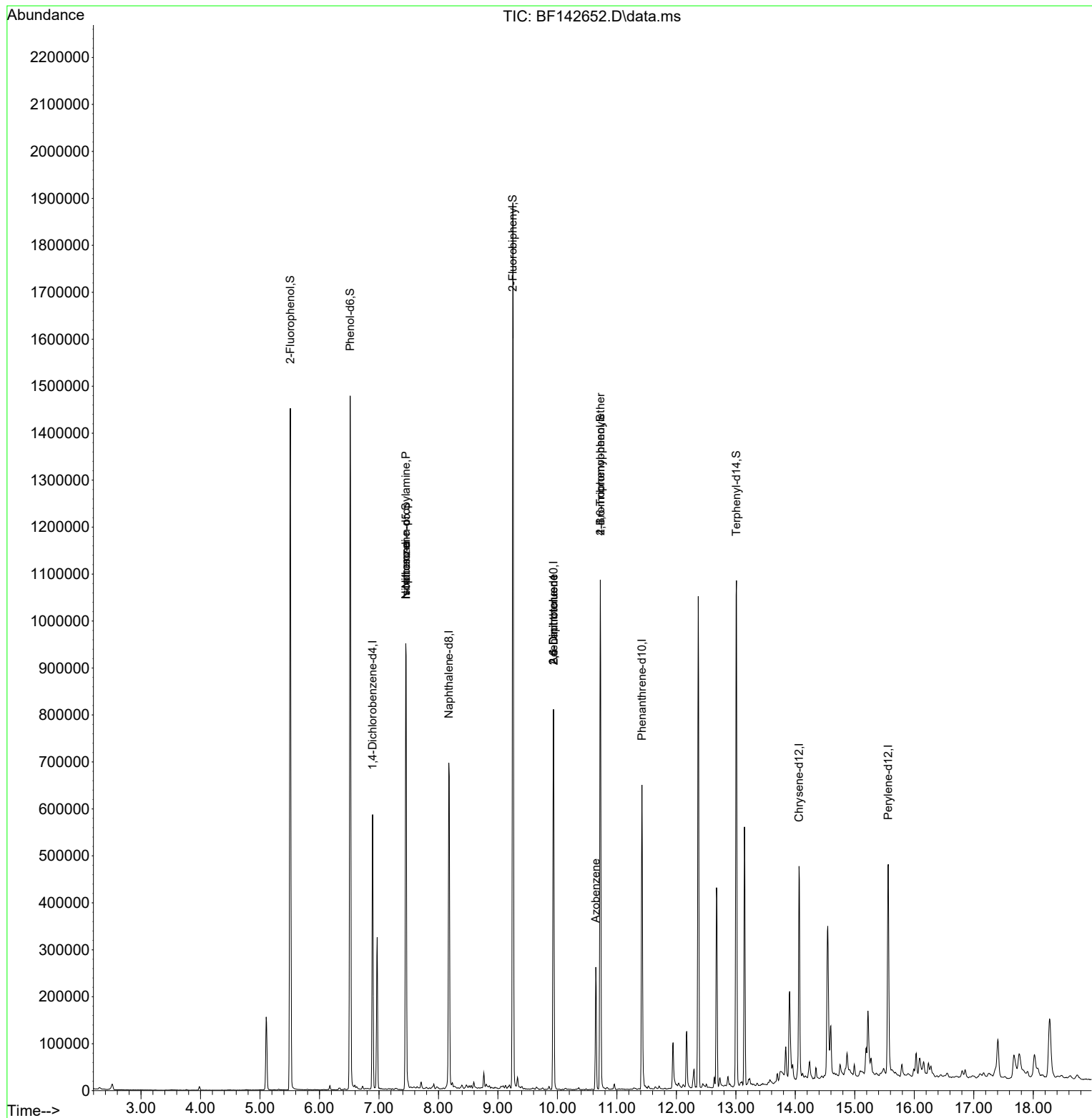
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.892	152	127118	20.000	ng	-0.01
21) Naphthalene-d8	8.175	136	464348	20.000	ng	-0.01
39) Acenaphthene-d10	9.933	164	242206	20.000	ng	-0.01
64) Phenanthrene-d10	11.422	188	341702	20.000	ng	-0.01
76) Chrysene-d12	14.063	240	233121	20.000	ng	-0.01
86) Perylene-d12	15.562	264	281873	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	567965	75.275	ng	0.00
7) Phenol-d6	6.516	99	709724	78.141	ng	-0.02
23) Nitrobenzene-d5	7.451	82	418235	49.114	ng	-0.02
42) 2,4,6-Tribromophenol	10.722	330	192758	71.706	ng	-0.02
45) 2-Fluorobiphenyl	9.251	172	851469	47.173	ng	-0.02
79) Terphenyl-d14	13.010	244	546241	32.020	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.451	70	57128	10.149	ng	# 77
25) Isophorone	7.451	82	403925	28.370	ng	# 63
51) 2,6-Dinitrotoluene	9.933	165	31665	9.180	ng	# 27
57) 2,4-Dinitrotoluene	9.933	165	31665	7.029	ng	# 28
63) Azobenzene	10.645	77	61887	4.414	ng	# 1
67) 4-Bromophenyl-phenylether	10.722	248	12131	3.002	ng	# 1

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

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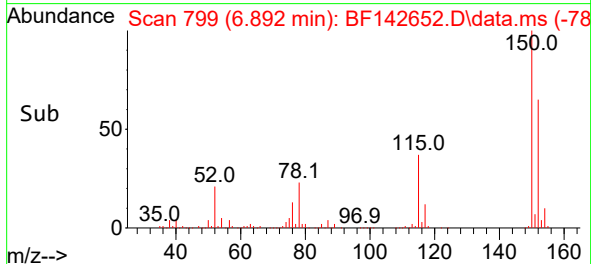
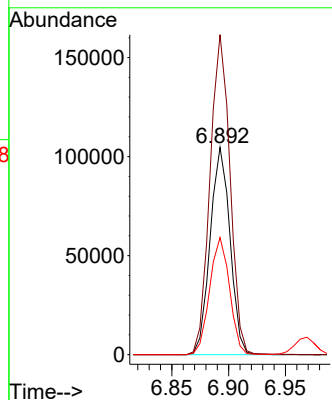
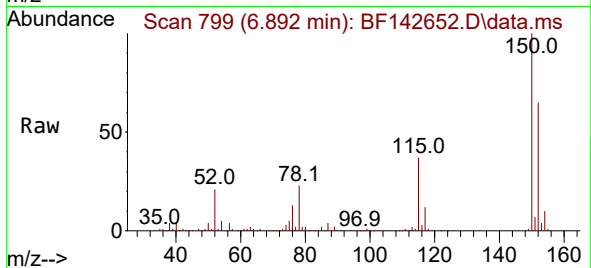




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.892 min Scan# 79
Delta R.T. -0.012 min
Lab File: BF142652.D
Acq: 06 Jun 2025 18:01

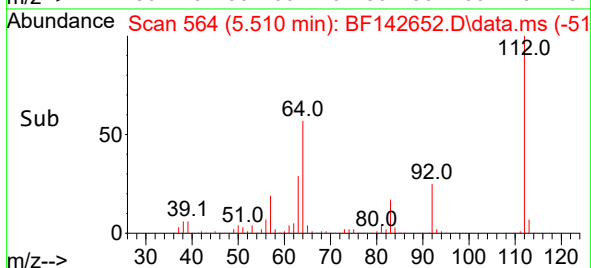
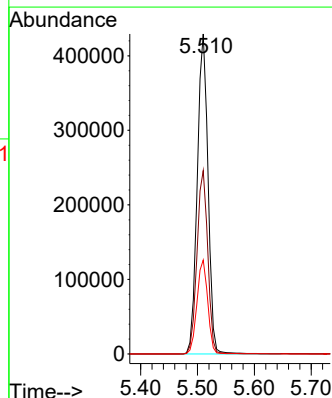
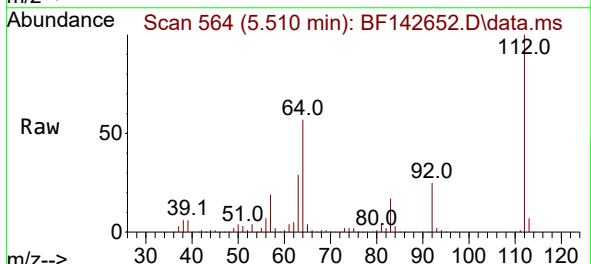
Instrument :
BNA_F
ClientSampleId :
B-187-SB02

Tgt Ion:152 Resp: 127118
Ion Ratio Lower Upper
152 100
150 154.4 128.2 192.4
115 56.5 48.3 72.5



#5
2-Fluorophenol
Concen: 75.275 ng
RT: 5.510 min Scan# 564
Delta R.T. -0.006 min
Lab File: BF142652.D
Acq: 06 Jun 2025 18:01

Tgt Ion:112 Resp: 567965
Ion Ratio Lower Upper
112 100
64 57.3 47.5 71.3
63 29.4 24.9 37.3

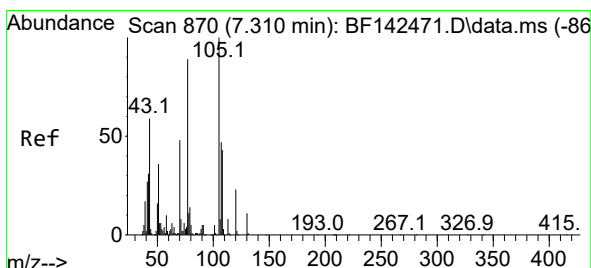
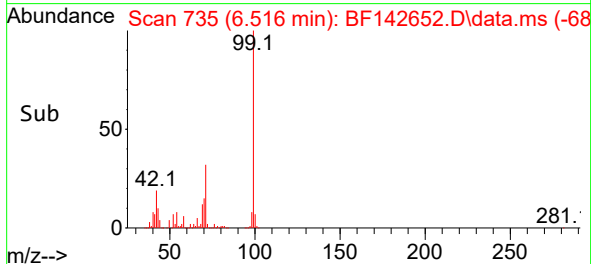
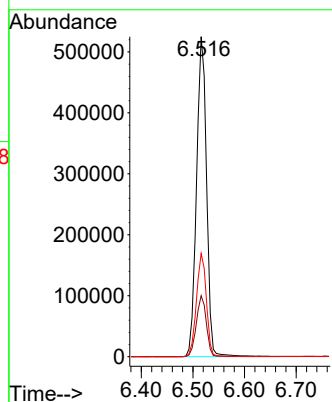
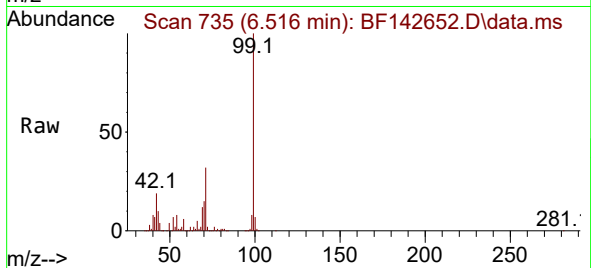




#7
Phenol-d6
Concen: 78.141 ng
RT: 6.516 min Scan# 71
Delta R.T. -0.018 min
Lab File: BF142652.D
Acq: 06 Jun 2025 18:01

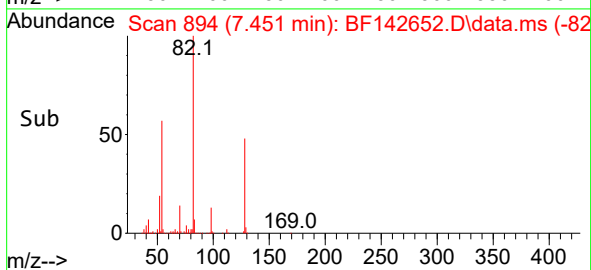
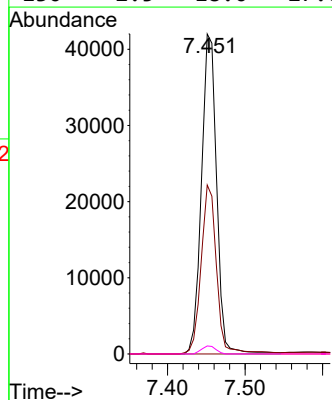
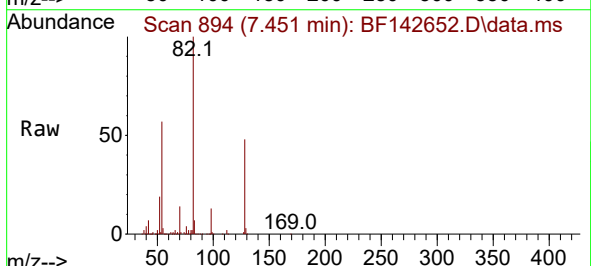
Instrument :
BNA_F
ClientSampleId :
B-187-SB02

Tgt Ion: 99 Resp: 709724
Ion Ratio Lower Upper
99 100
42 19.0 16.2 24.2
71 32.2 27.3 40.9



#19
n-Nitroso-di-n-propylamine
Concen: 10.149 ng
RT: 7.451 min Scan# 894
Delta R.T. 0.124 min
Lab File: BF142652.D
Acq: 06 Jun 2025 18:01

Tgt Ion: 70 Resp: 57128
Ion Ratio Lower Upper
70 100
42 52.8 52.4 78.6
101 0.0 7.8 11.8#
130 2.5 18.0 27.0#

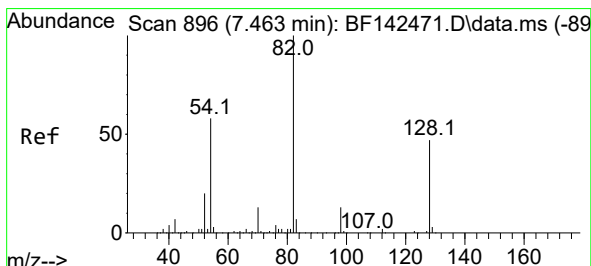
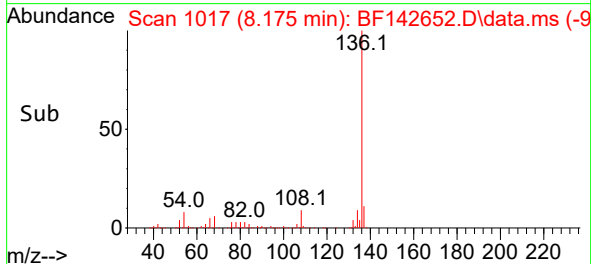
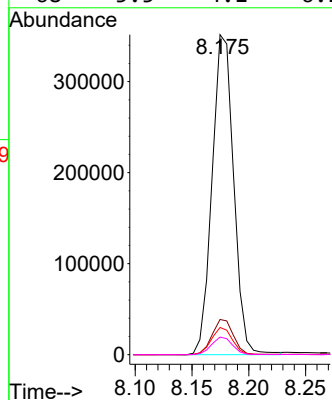
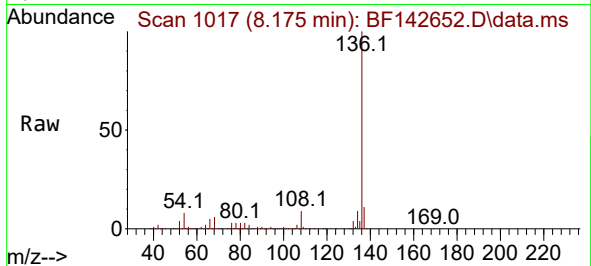




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.175 min Scan# 1017
Delta R.T. -0.012 min
Lab File: BF142652.D
Acq: 06 Jun 2025 18:01

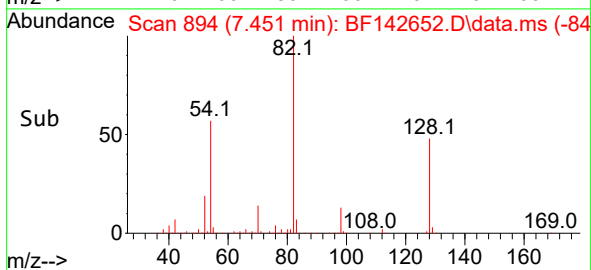
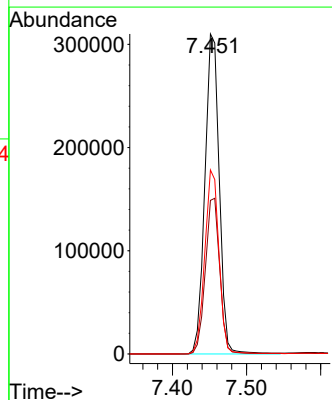
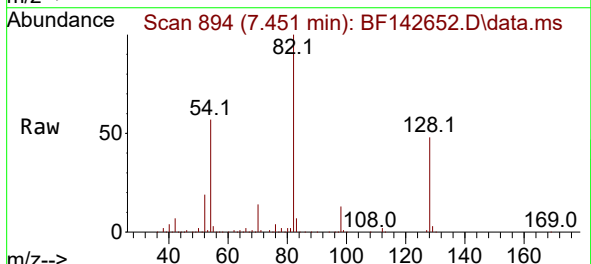
Instrument :
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ClientSampleId :
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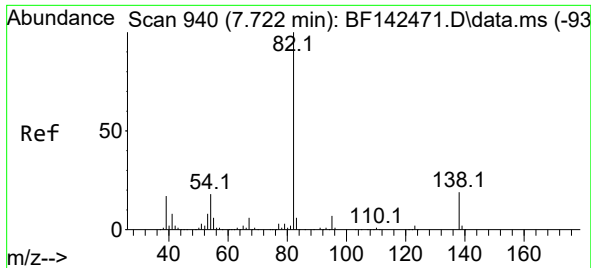
Tgt Ion:	136	Resp:	464348
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.6	13.0
54	8.5	6.6	10.0
68	5.5	4.1	6.1



#23
Nitrobenzene-d5
Concen: 49.114 ng
RT: 7.451 min Scan# 894
Delta R.T. -0.023 min
Lab File: BF142652.D
Acq: 06 Jun 2025 18:01

Tgt Ion:	82	Resp:	418235
Ion	Ratio	Lower	Upper
82	100		
128	48.0	37.4	56.2
54	57.5	46.6	70.0

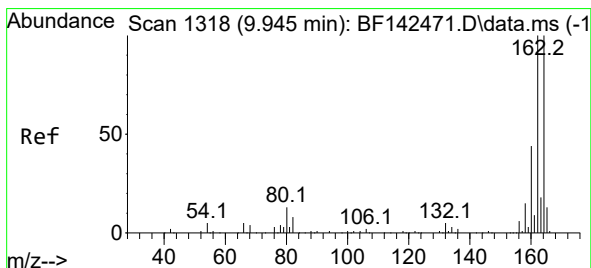
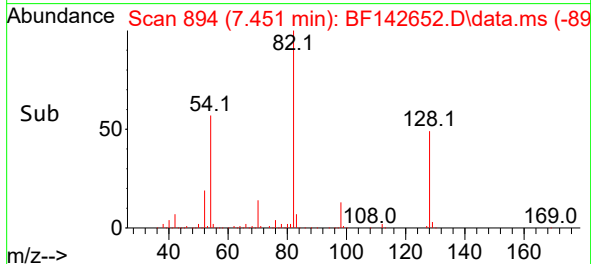
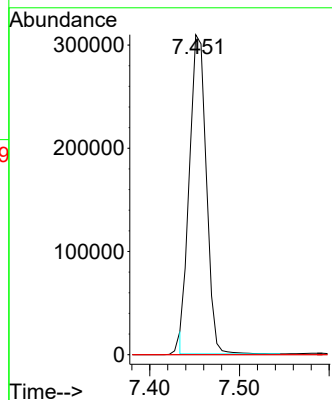
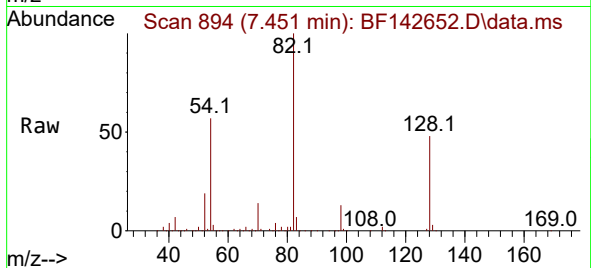




#25
Isophorone
Concen: 28.370 ng
RT: 7.451 min Scan# 894
Delta R.T. -0.282 min
Lab File: BF142652.D
Acq: 06 Jun 2025 18:01

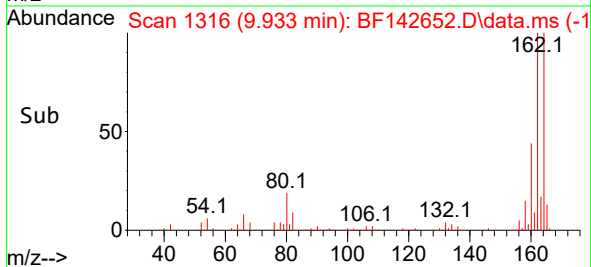
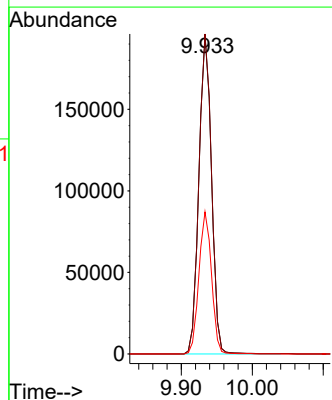
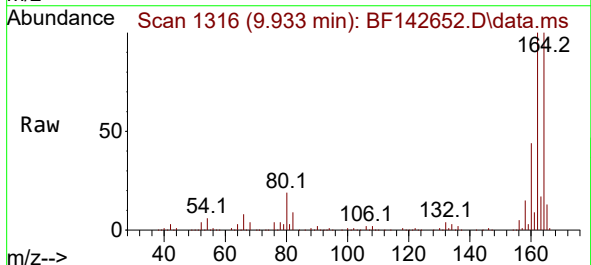
Instrument :
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ClientSampleId :
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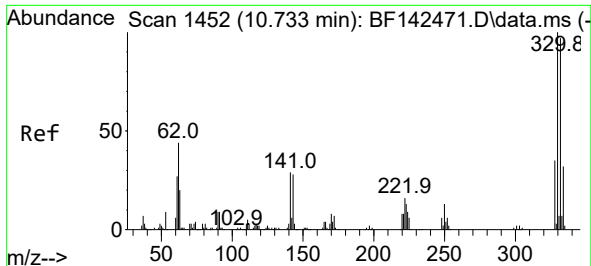
Tgt Ion: 82 Resp: 403925
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 15.5 23.3#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.933 min Scan# 1316
Delta R.T. -0.012 min
Lab File: BF142652.D
Acq: 06 Jun 2025 18:01

Tgt Ion:164 Resp: 242206
Ion Ratio Lower Upper
164 100
162 100.4 80.2 120.4
160 44.6 35.6 53.4

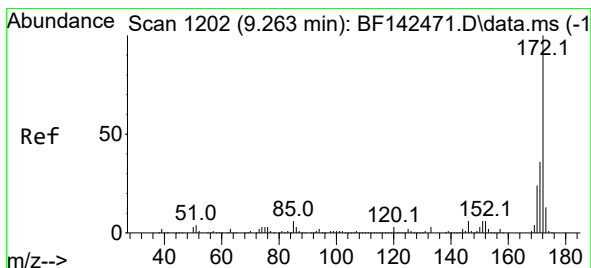
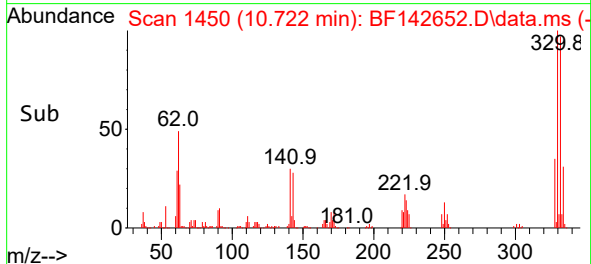
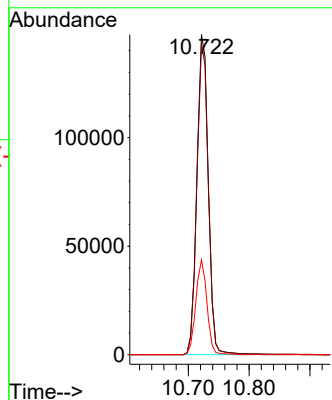
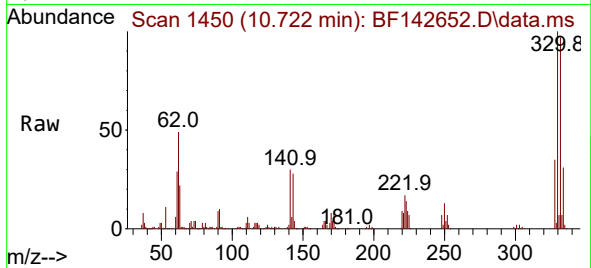




#42
2,4,6-Tribromophenol
Concen: 71.706 ng
RT: 10.722 min Scan# 1450
Delta R.T. -0.018 min
Lab File: BF142652.D
Acq: 06 Jun 2025 18:01

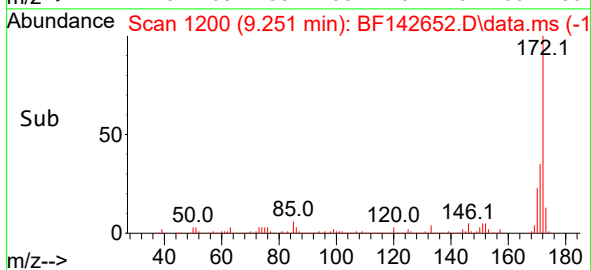
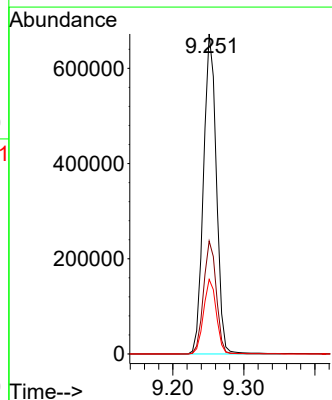
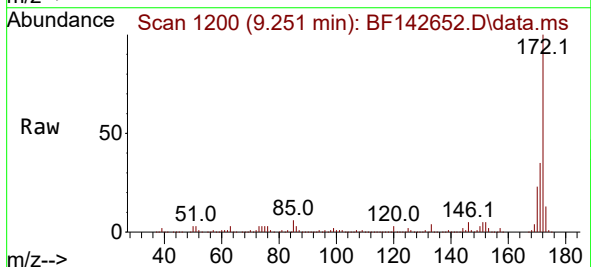
Instrument :
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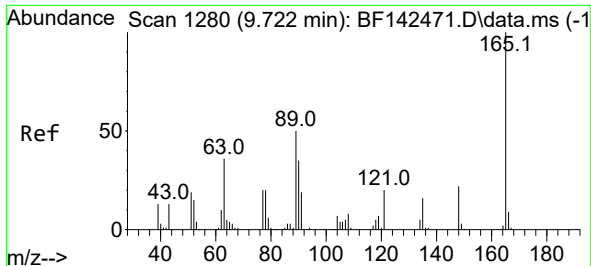
Tgt Ion:330 Resp: 192758
Ion Ratio Lower Upper
330 100
332 97.1 77.6 116.4
141 28.8 24.6 36.8



#45
2-Fluorobiphenyl
Concen: 47.173 ng
RT: 9.251 min Scan# 1200
Delta R.T. -0.018 min
Lab File: BF142652.D
Acq: 06 Jun 2025 18:01

Tgt Ion:172 Resp: 851469
Ion Ratio Lower Upper
172 100
171 35.3 28.6 42.8
170 23.3 18.9 28.3

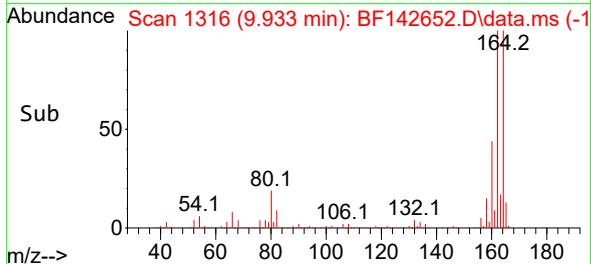
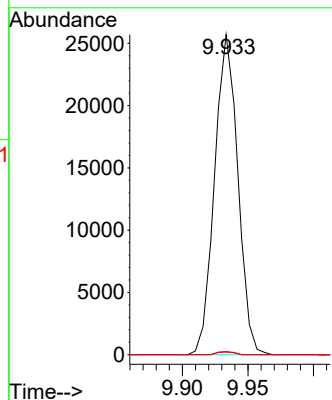
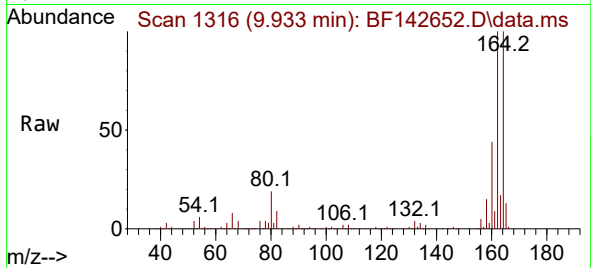




#51
2,6-Dinitrotoluene
Concen: 9.180 ng
RT: 9.933 min Scan# 1316
Delta R.T. 0.206 min
Lab File: BF142652.D
Acq: 06 Jun 2025 18:01

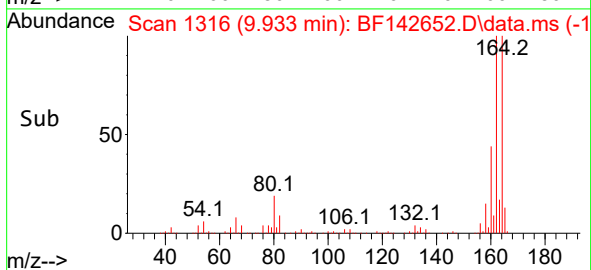
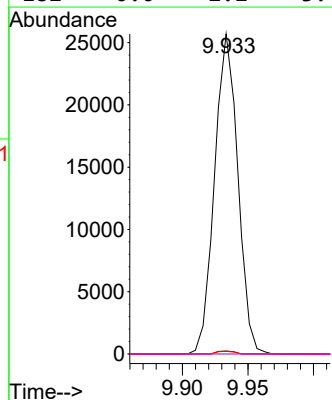
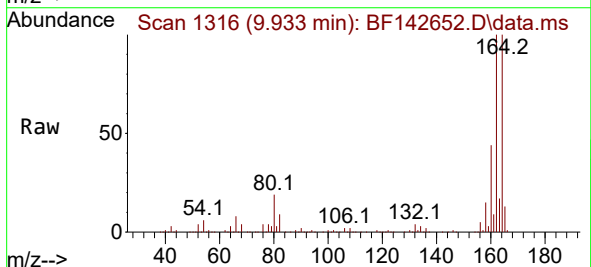
Instrument :
BNA_F
ClientSampleId :
B-187-SB02

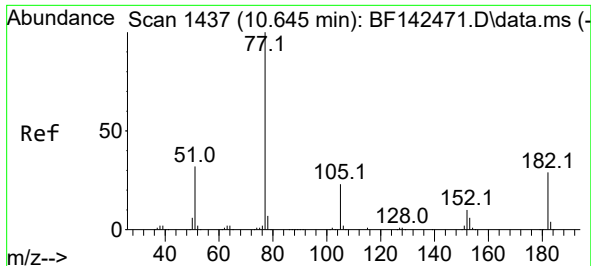
Tgt Ion:165 Resp: 31665
Ion Ratio Lower Upper
165 100
63 0.9 42.9 64.3#
89 0.8 40.2 60.4#



#57
2,4-Dinitrotoluene
Concen: 7.029 ng
RT: 9.933 min Scan# 1316
Delta R.T. -0.200 min
Lab File: BF142652.D
Acq: 06 Jun 2025 18:01

Tgt Ion:165 Resp: 31665
Ion Ratio Lower Upper
165 100
63 0.9 33.6 50.4#
89 0.8 50.2 75.4#
182 0.0 2.2 3.4#

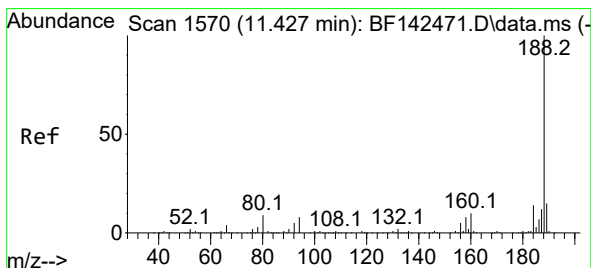
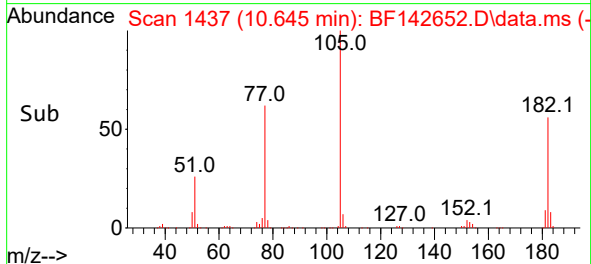
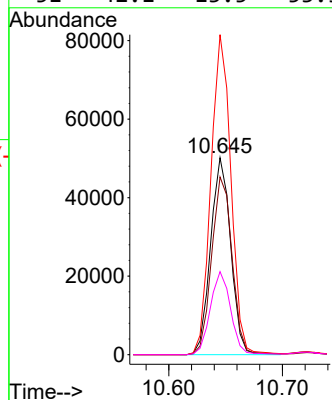
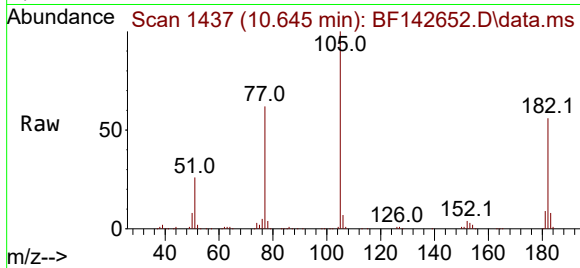




#63
Azobenzene
Concen: 4.414 ng
RT: 10.645 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF142652.D
Acq: 06 Jun 2025 18:01

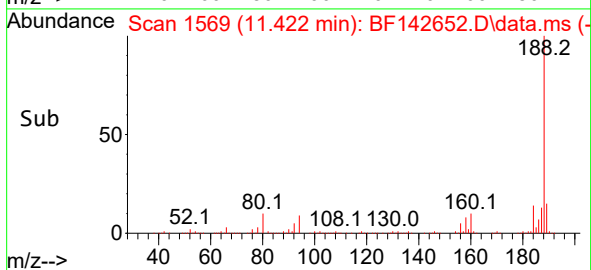
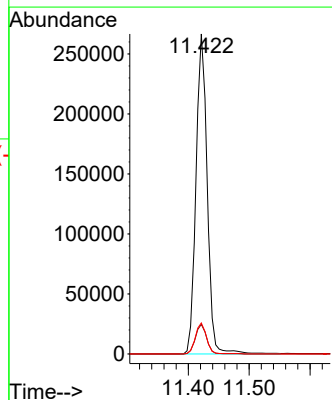
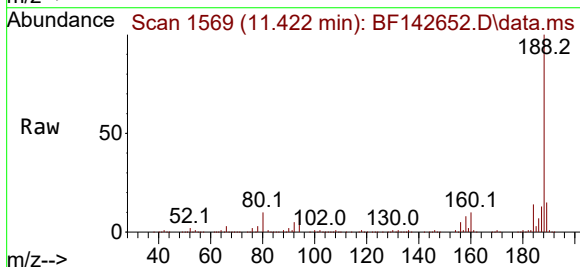
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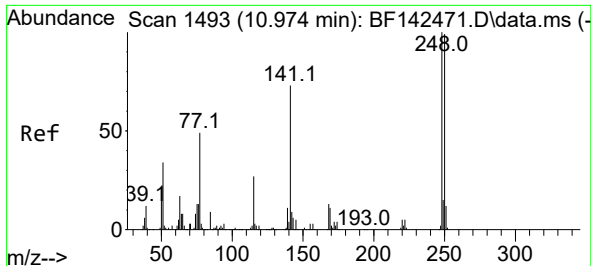
Tgt Ion: 77 Resp: 61887
Ion Ratio Lower Upper
77 100
182 90.2 9.0 49.0#
105 162.4 2.4 42.4#
51 42.1 13.5 53.5



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.422 min Scan# 1569
Delta R.T. -0.012 min
Lab File: BF142652.D
Acq: 06 Jun 2025 18:01

Tgt Ion:188 Resp: 341702
Ion Ratio Lower Upper
188 100
94 9.3 6.6 10.0
80 9.7 7.4 11.0

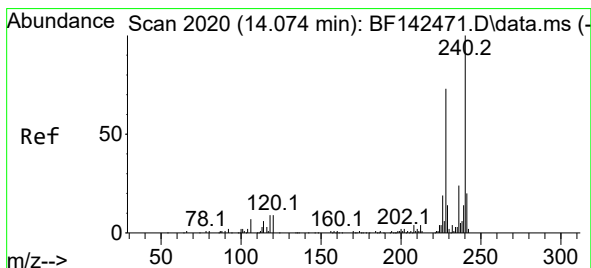
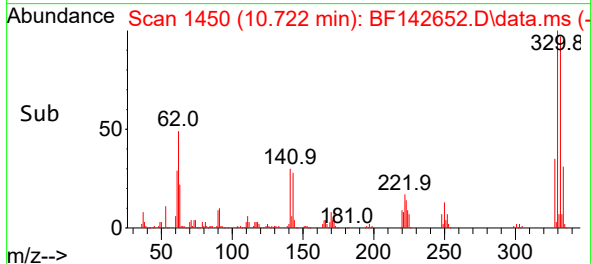
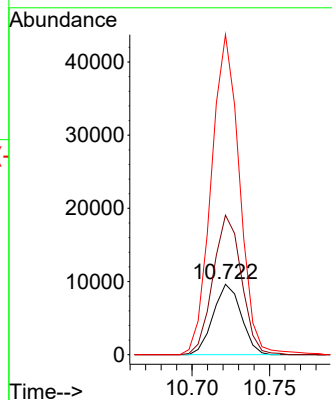
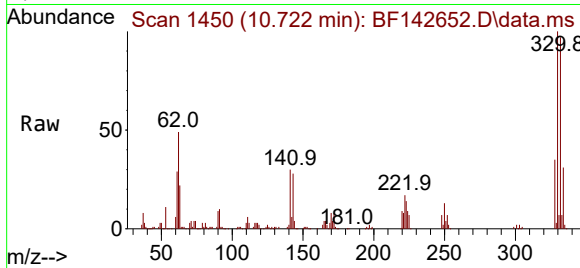




#67
4-Bromophenyl-phenylether
Concen: 3.002 ng
RT: 10.722 min Scan# 14
Delta R.T. -0.253 min
Lab File: BF142652.D
Acq: 06 Jun 2025 18:01

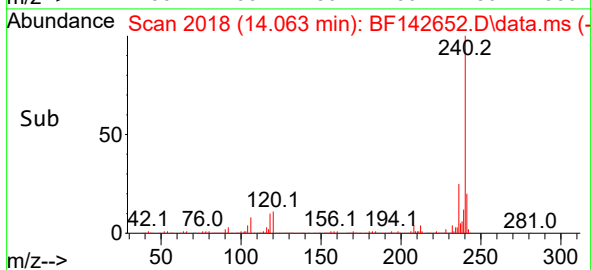
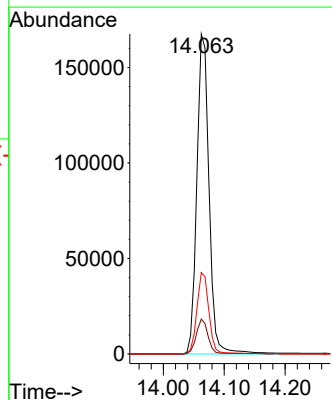
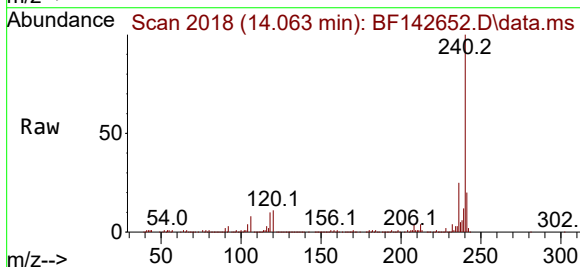
Instrument :
BNA_F
ClientSampleId :
B-187-SB02

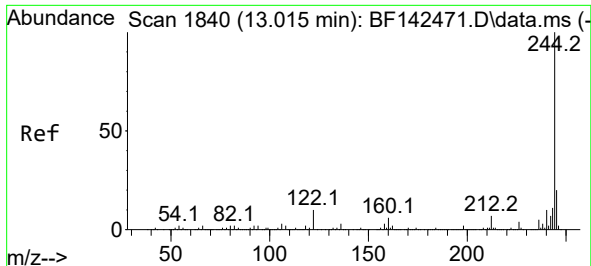
Tgt Ion:248 Resp: 12131
Ion Ratio Lower Upper
248 100
250 198.1 79.0 118.4#
141 454.3 58.4 87.6#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.063 min Scan# 2018
Delta R.T. -0.012 min
Lab File: BF142652.D
Acq: 06 Jun 2025 18:01

Tgt Ion:240 Resp: 233121
Ion Ratio Lower Upper
240 100
120 10.9 7.5 11.3
236 25.5 19.6 29.4

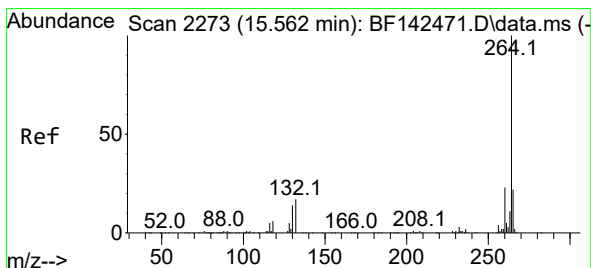
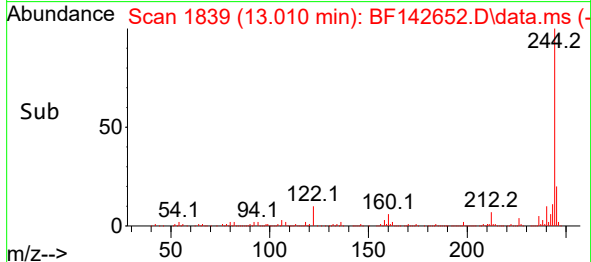
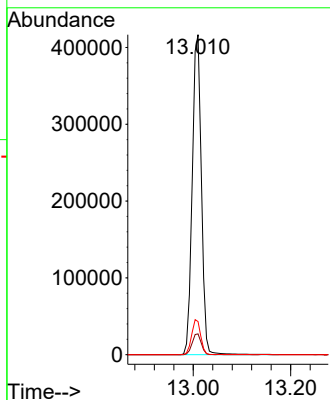
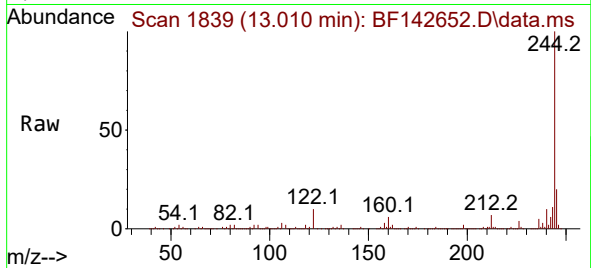




#79
 Terphenyl-d14
 Concen: 32.020 ng
 RT: 13.010 min Scan# 1840
 Delta R.T. -0.006 min
 Lab File: BF142652.D
 Acq: 06 Jun 2025 18:01

Instrument :
 BNA_F
 ClientSampleId :
 B-187-SB02

Tgt Ion:244 Resp: 546241
 Ion Ratio Lower Upper
 244 100
 212 6.5 5.3 7.9
 122 10.3 8.2 12.2



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.562 min Scan# 2273
 Delta R.T. -0.006 min
 Lab File: BF142652.D
 Acq: 06 Jun 2025 18:01

Tgt Ion:264 Resp: 281873
 Ion Ratio Lower Upper
 264 100
 260 23.5 18.6 28.0
 265 21.7 17.7 26.5

