

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060625\
 Data File : BF142662.D
 Acq On : 06 Jun 2025 23:01
 Operator : RC/JU
 Sample : Q2208-28
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 BU-703-COMP-09

Quant Time: Jun 07 00:37:48 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)

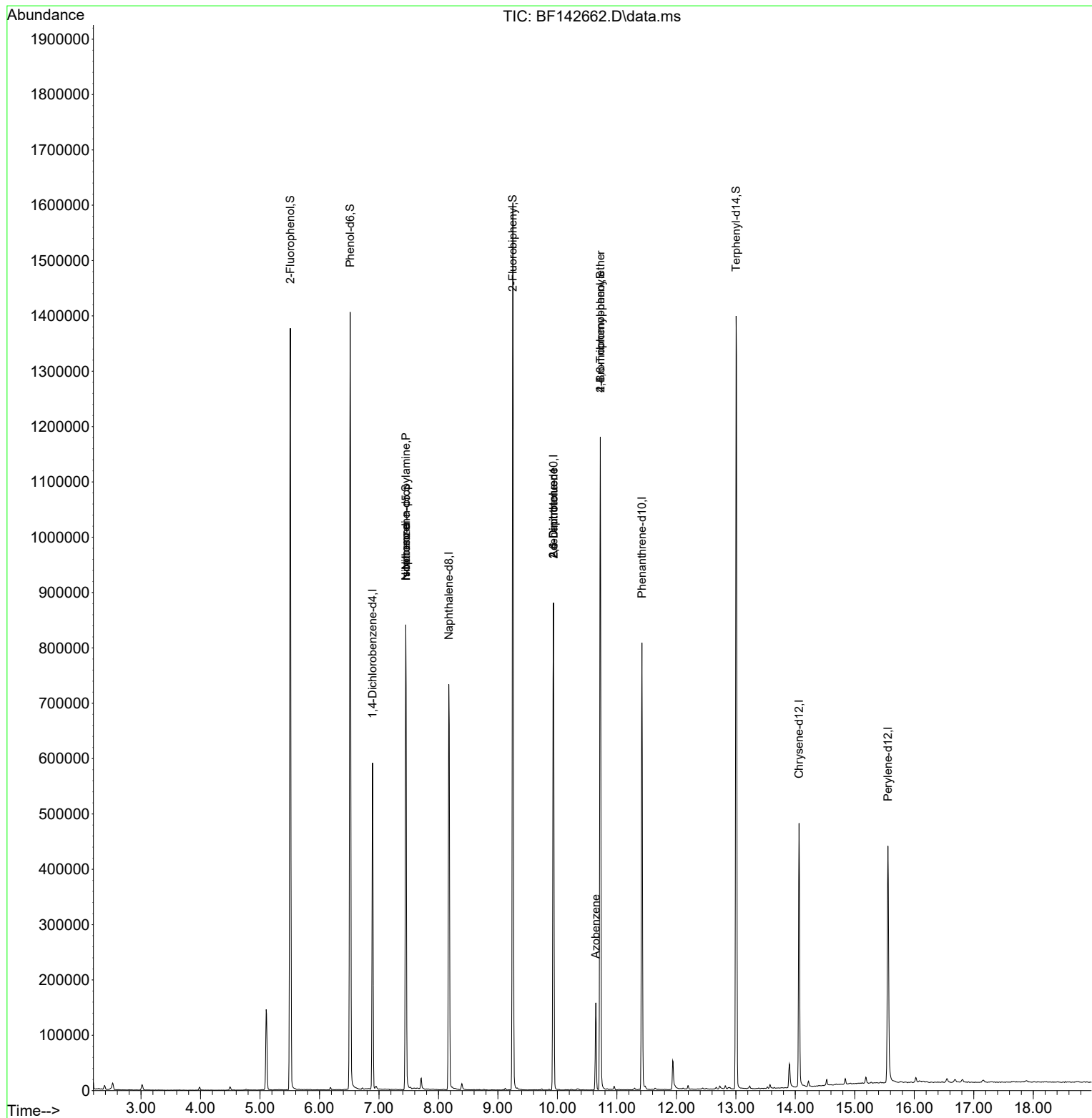
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.892	152	127569	20.000	ng	-0.01
21) Naphthalene-d8	8.175	136	482926	20.000	ng	-0.01
39) Acenaphthene-d10	9.933	164	264215	20.000	ng	-0.01
64) Phenanthrene-d10	11.422	188	432355	20.000	ng	-0.01
76) Chrysene-d12	14.063	240	245370	20.000	ng	#-0.01
86) Perylene-d12	15.557	264	266520	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	531079	70.138	ng	0.00
7) Phenol-d6	6.516	99	684497	75.097	ng	-0.02
23) Nitrobenzene-d5	7.451	82	364639	41.173	ng	-0.02
42) 2,4,6-Tribromophenol	10.722	330	211281	72.049	ng	-0.02
45) 2-Fluorobiphenyl	9.251	172	735829	37.370	ng	-0.02
79) Terphenyl-d14	13.004	244	708484	39.458	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.451	70	47115	8.340	ng	# 77
25) Isophorone	7.451	82	348240	23.518	ng	# 63
51) 2,6-Dinitrotoluene	9.933	165	33580	8.924	ng	# 27
57) 2,4-Dinitrotoluene	9.933	165	33580	6.833	ng	# 28
63) Azobenzene	10.645	77	37612	2.459	ng	# 1
67) 4-Bromophenyl-phenylether	10.722	248	13053	2.553	ng	# 1

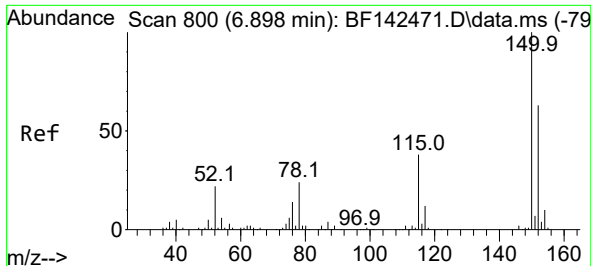
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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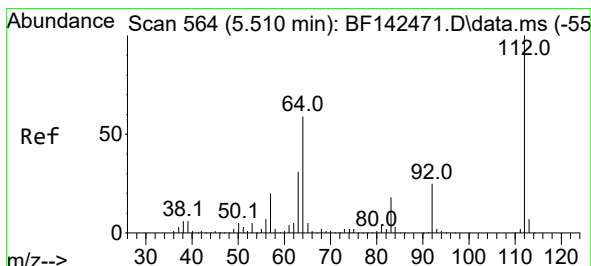
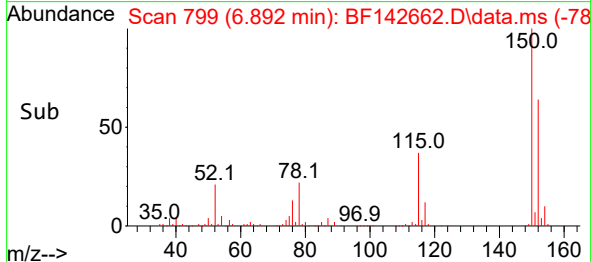
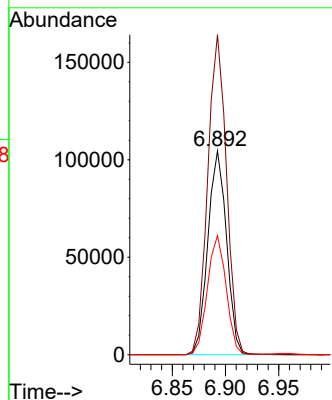
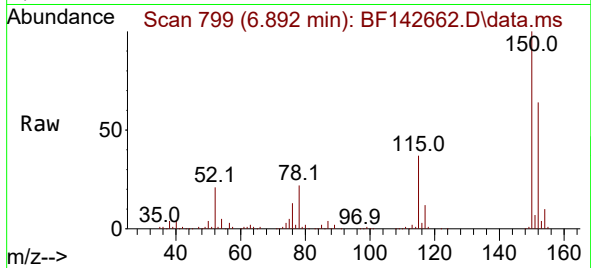




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.892 min Scan# 79
Delta R.T. -0.012 min
Lab File: BF142662.D
Acq: 06 Jun 2025 23:01

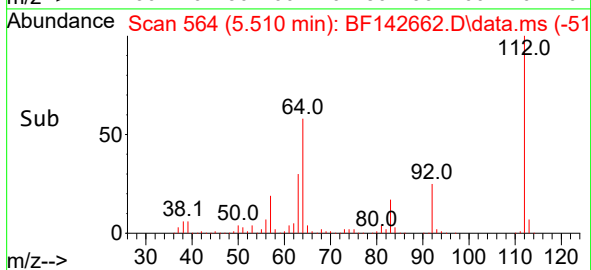
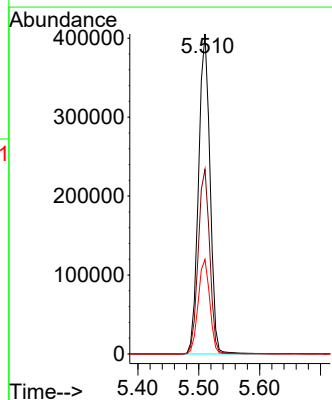
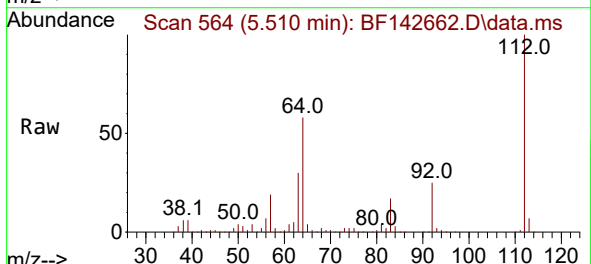
Instrument :
BNA_F
ClientSampleId :
BU-703-COMP-09

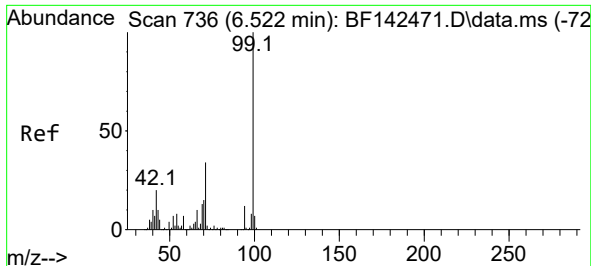
Tgt Ion:152 Resp: 127569
Ion Ratio Lower Upper
152 100
150 157.0 128.2 192.4
115 58.4 48.3 72.5



#5
2-Fluorophenol
Concen: 70.138 ng
RT: 5.510 min Scan# 564
Delta R.T. -0.006 min
Lab File: BF142662.D
Acq: 06 Jun 2025 23:01

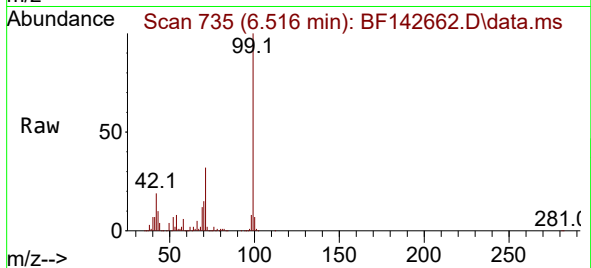
Tgt Ion:112 Resp: 531079
Ion Ratio Lower Upper
112 100
64 57.7 47.5 71.3
63 29.6 24.9 37.3



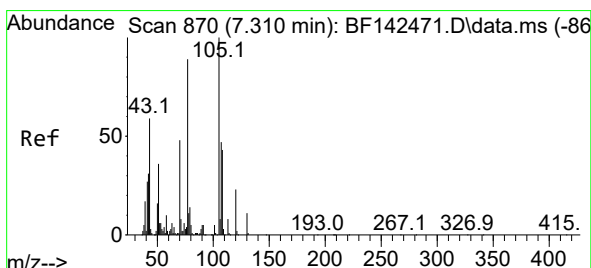
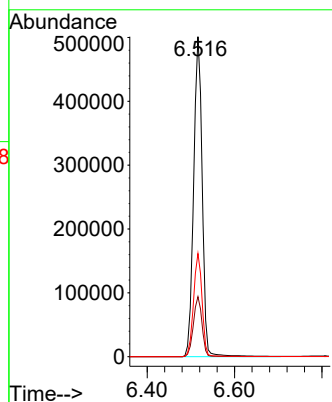
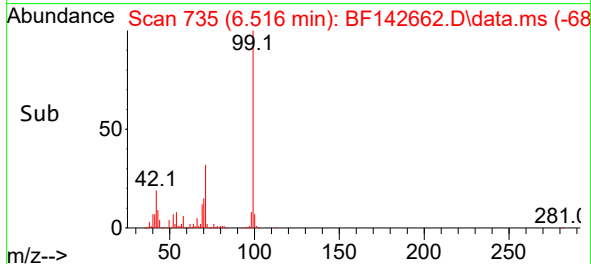


#7
Phenol-d6
Concen: 75.097 ng
RT: 6.516 min Scan# 71
Delta R.T. -0.018 min
Lab File: BF142662.D
Acq: 06 Jun 2025 23:01

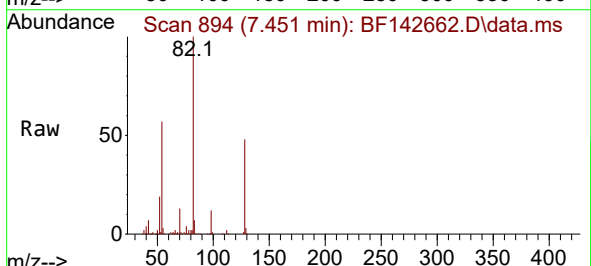
Instrument :
BNA_F
ClientSampleId :
BU-703-COMP-09



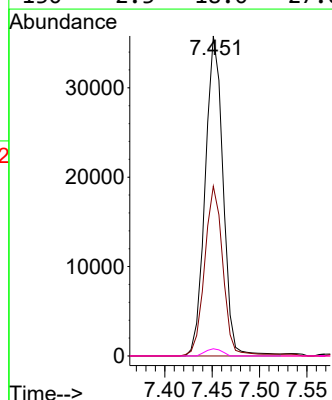
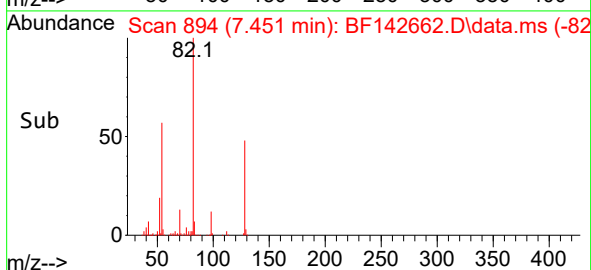
Tgt Ion: 99 Resp: 684497
Ion Ratio Lower Upper
99 100
42 18.8 16.2 24.2
71 32.3 27.3 40.9

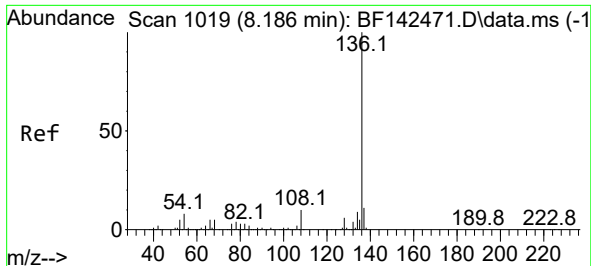


#19
n-Nitroso-di-n-propylamine
Concen: 8.340 ng
RT: 7.451 min Scan# 894
Delta R.T. 0.124 min
Lab File: BF142662.D
Acq: 06 Jun 2025 23:01



Tgt Ion: 70 Resp: 47115
Ion Ratio Lower Upper
70 100
42 53.1 52.4 78.6
101 0.0 7.8 11.8#
130 2.3 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: BF142662.D

Acq: 06 Jun 2025 23:01

Instrument :

BNA_F

ClientSampleId :

BU-703-COMP-09

Tgt Ion:136 Resp: 482926

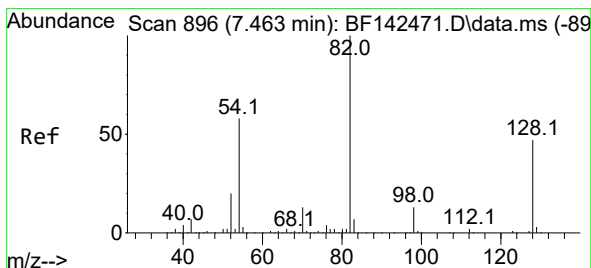
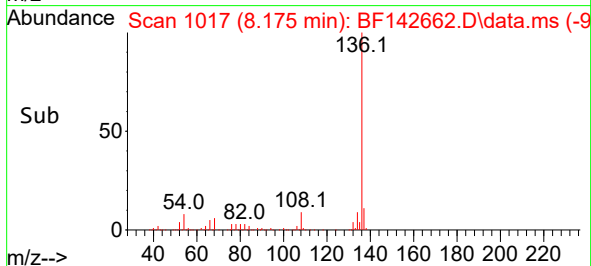
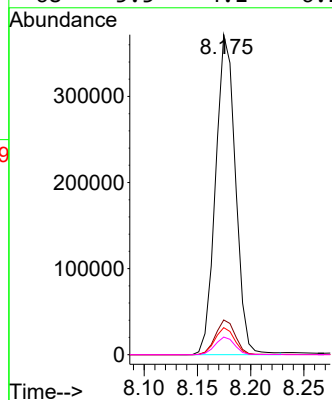
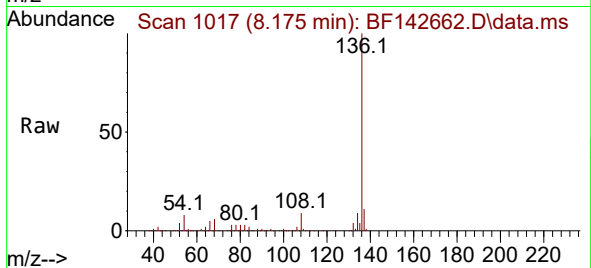
Ion Ratio Lower Upper

136 100

137 10.8 8.6 13.0

54 8.5 6.6 10.0

68 5.5 4.1 6.1



#23

Nitrobenzene-d5

Concen: 41.173 ng

RT: 7.451 min Scan# 894

Delta R.T. -0.023 min

Lab File: BF142662.D

Acq: 06 Jun 2025 23:01

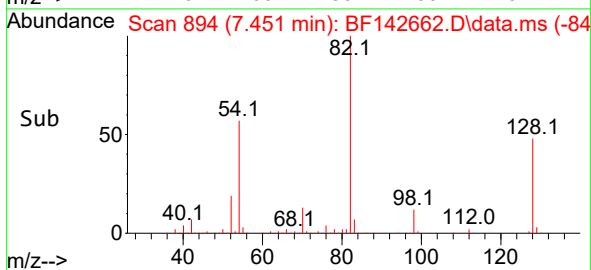
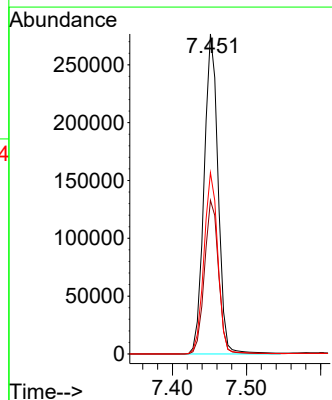
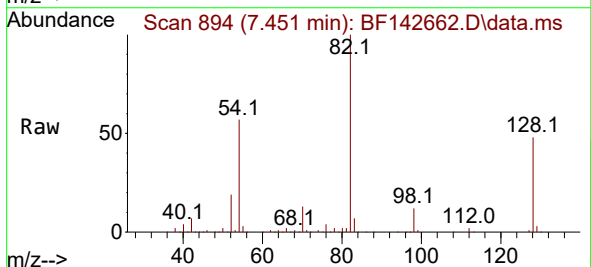
Tgt Ion: 82 Resp: 364639

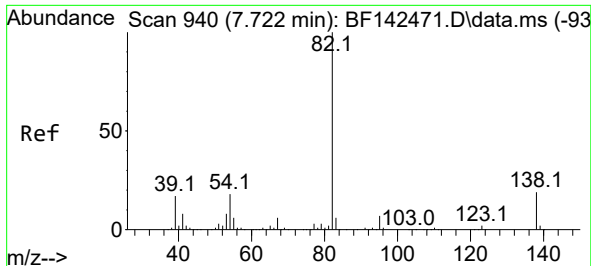
Ion Ratio Lower Upper

82 100

128 48.0 37.4 56.2

54 56.7 46.6 70.0

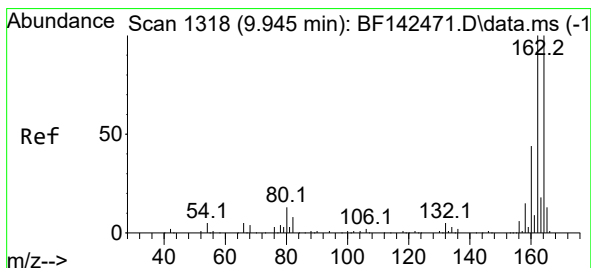
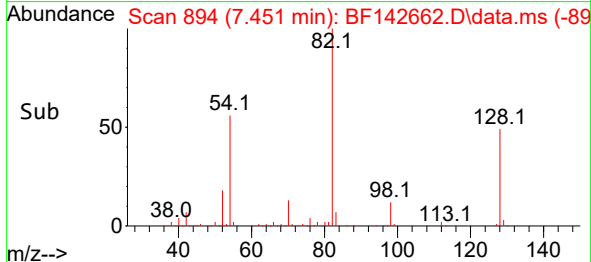
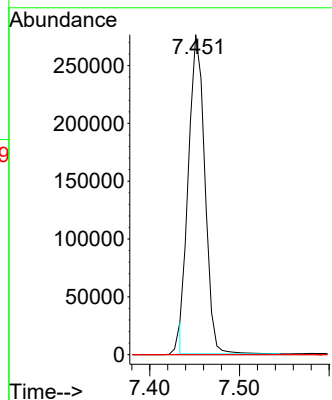
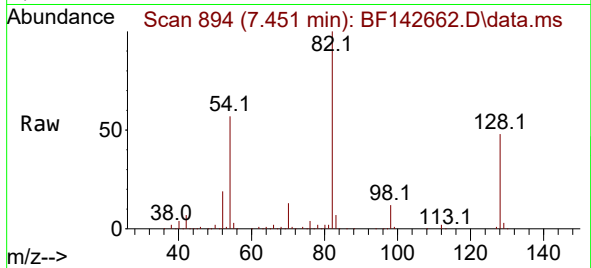




#25
Isophorone
Concen: 23.518 ng
RT: 7.451 min Scan# 894
Delta R.T. -0.282 min
Lab File: BF142662.D
Acq: 06 Jun 2025 23:01

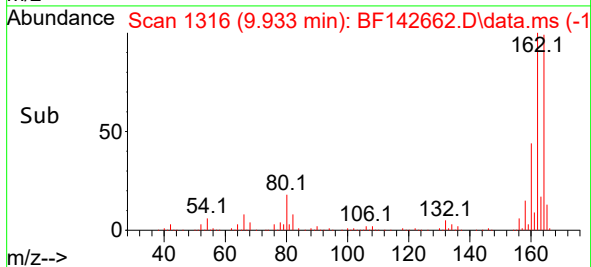
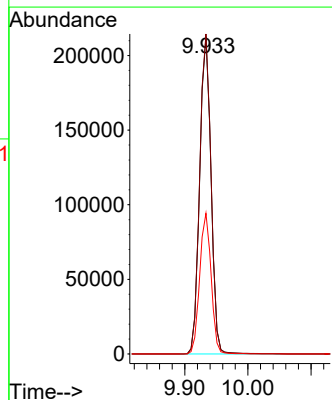
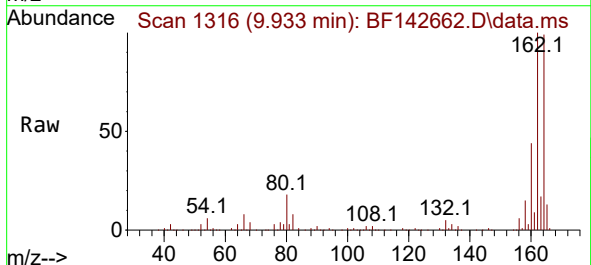
Instrument :
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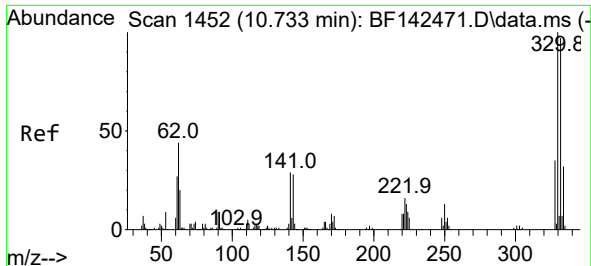
Tgt Ion: 82 Resp: 348240
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 15.5 23.3#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.933 min Scan# 1316
Delta R.T. -0.012 min
Lab File: BF142662.D
Acq: 06 Jun 2025 23:01

Tgt Ion: 164 Resp: 264215
Ion Ratio Lower Upper
164 100
162 100.8 80.2 120.4
160 44.3 35.6 53.4

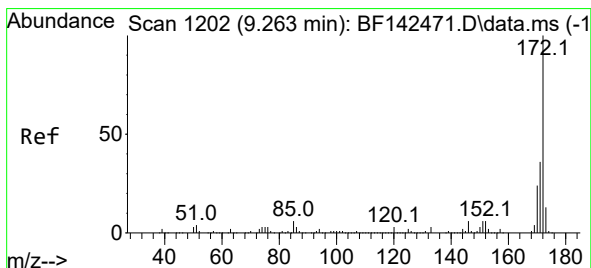
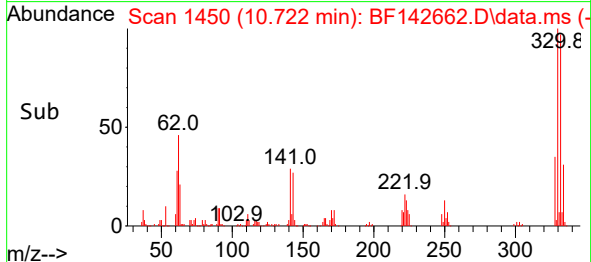
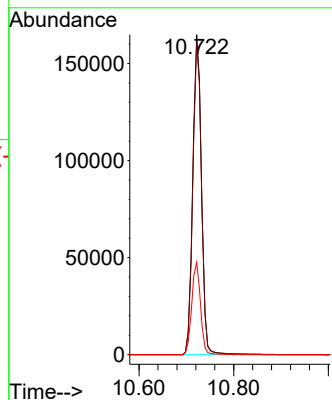
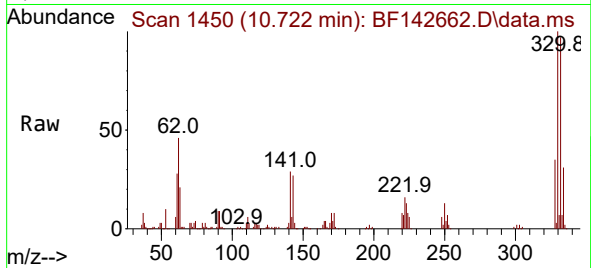




#42
 2,4,6-Tribromophenol
 Concen: 72.049 ng
 RT: 10.722 min Scan# 1452
 Delta R.T. -0.018 min
 Lab File: BF142662.D
 Acq: 06 Jun 2025 23:01

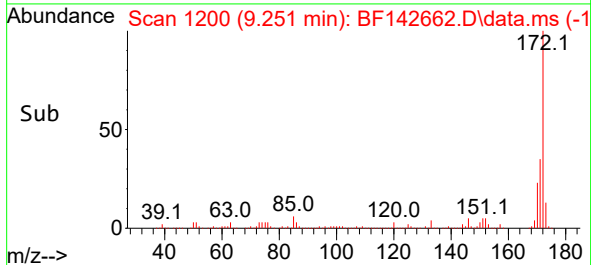
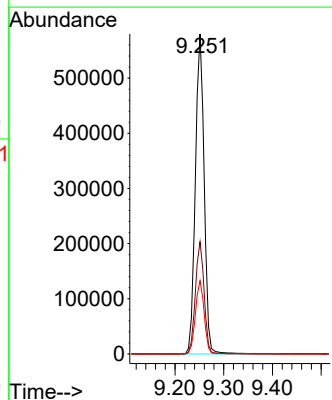
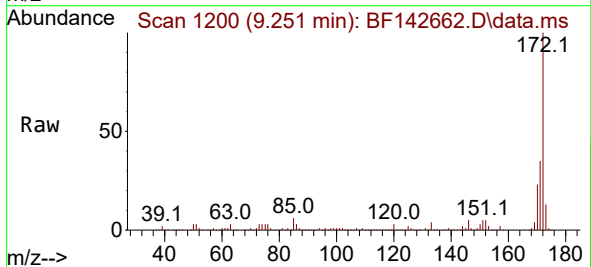
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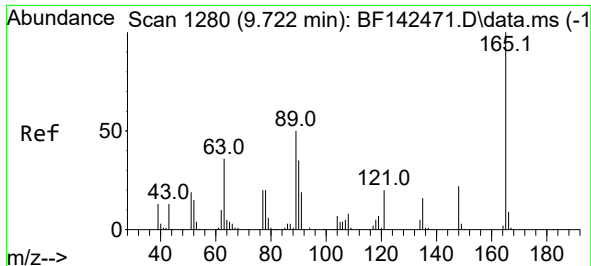
Tgt Ion: 330 Resp: 211281
 Ion Ratio Lower Upper
 330 100
 332 97.0 77.6 116.4
 141 28.9 24.6 36.8



#45
 2-Fluorobiphenyl
 Concen: 37.370 ng
 RT: 9.251 min Scan# 1200
 Delta R.T. -0.018 min
 Lab File: BF142662.D
 Acq: 06 Jun 2025 23:01

Tgt Ion: 172 Resp: 735829
 Ion Ratio Lower Upper
 172 100
 171 35.0 28.6 42.8
 170 22.9 18.9 28.3

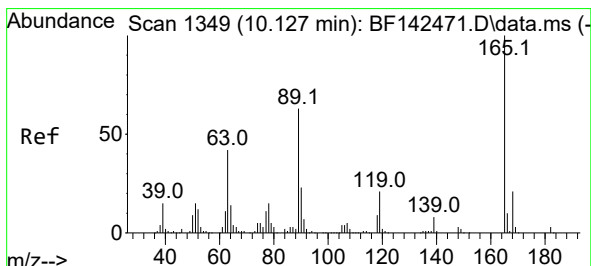
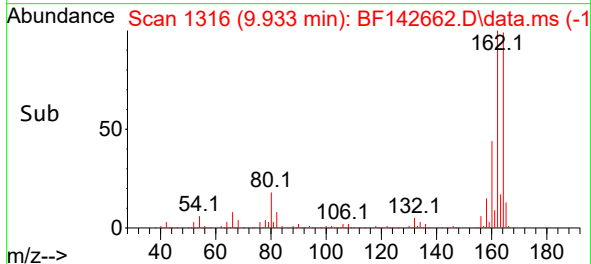
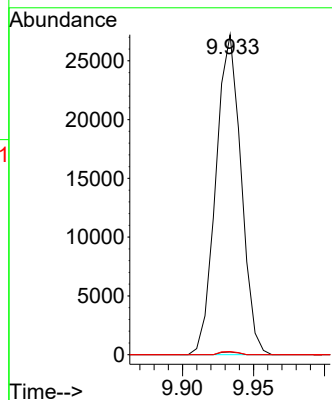
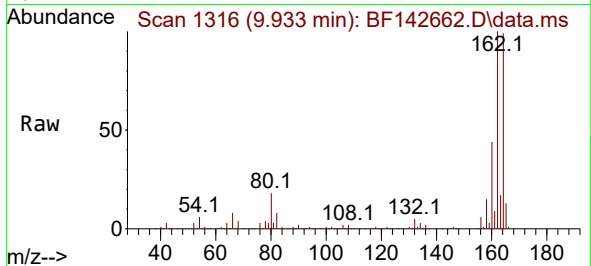




#51
2,6-Dinitrotoluene
Concen: 8.924 ng
RT: 9.933 min Scan# 1316
Delta R.T. 0.206 min
Lab File: BF142662.D
Acq: 06 Jun 2025 23:01

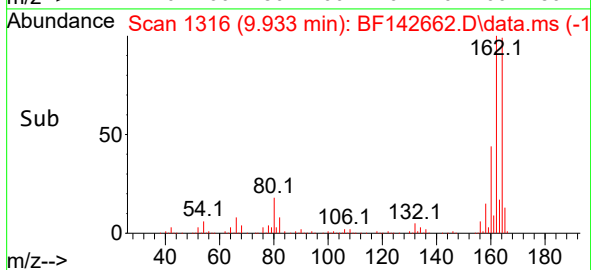
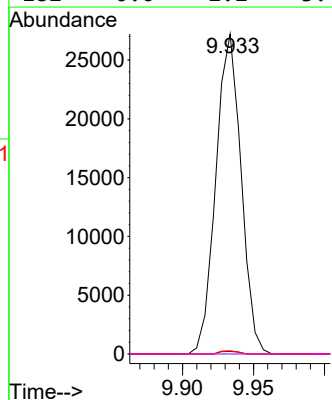
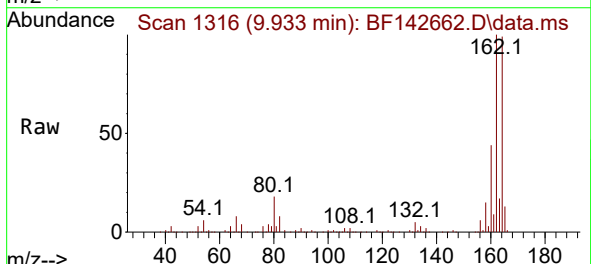
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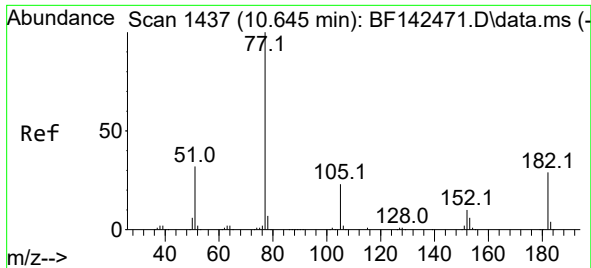
Tgt Ion:165 Resp: 33580
Ion Ratio Lower Upper
165 100
63 0.8 42.9 64.3#
89 1.0 40.2 60.4#



#57
2,4-Dinitrotoluene
Concen: 6.833 ng
RT: 9.933 min Scan# 1316
Delta R.T. -0.200 min
Lab File: BF142662.D
Acq: 06 Jun 2025 23:01

Tgt Ion:165 Resp: 33580
Ion Ratio Lower Upper
165 100
63 0.8 33.6 50.4#
89 1.0 50.2 75.4#
182 0.0 2.2 3.4#

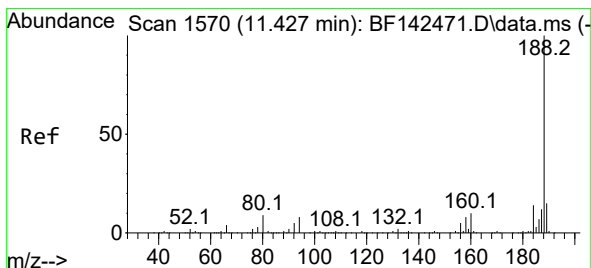
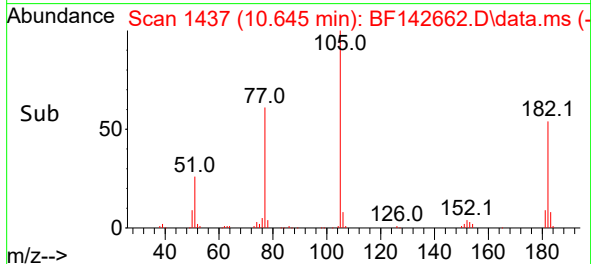
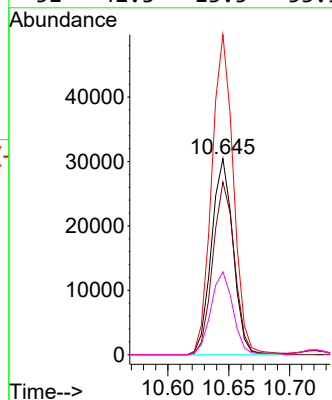
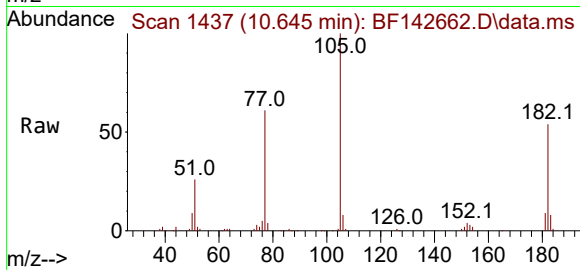




#63
Azobenzene
Concen: 2.459 ng
RT: 10.645 min Scan# 1437
Delta R.T. 0.000 min
Lab File: BF142662.D
Acq: 06 Jun 2025 23:01

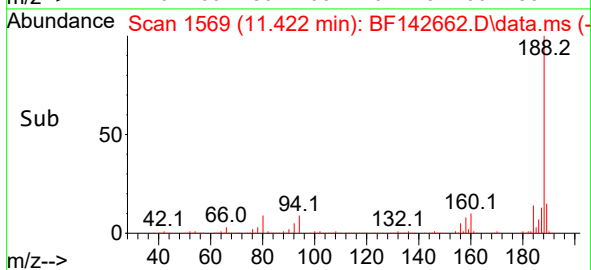
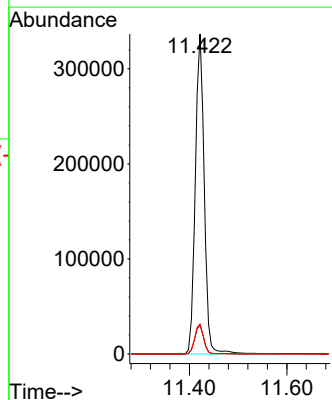
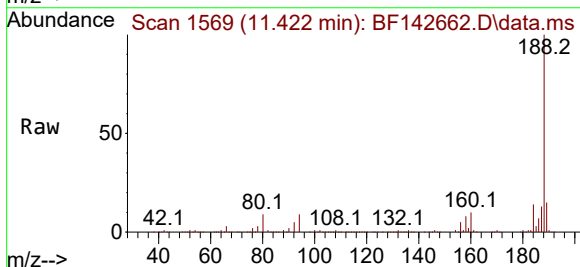
Instrument :
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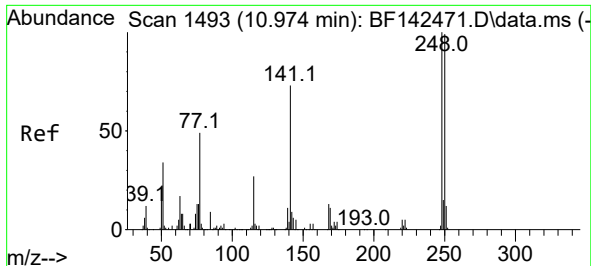
Tgt Ion: 77	Resp: 37612
Ion Ratio	Lower Upper
77 100	
182 88.1	9.0 49.0#
105 163.3	2.4 42.4#
51 42.3	13.5 53.5



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.422 min Scan# 1569
Delta R.T. -0.012 min
Lab File: BF142662.D
Acq: 06 Jun 2025 23:01

Tgt Ion: 188	Resp: 432355
Ion Ratio	Lower Upper
188 100	
94 8.9	6.6 10.0
80 9.3	7.4 11.0

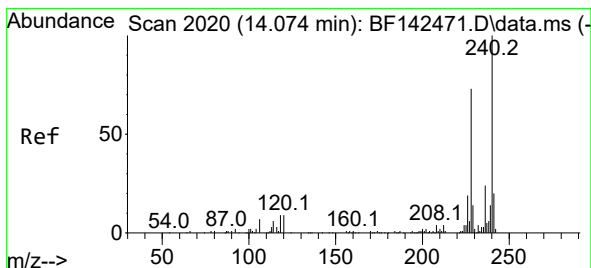
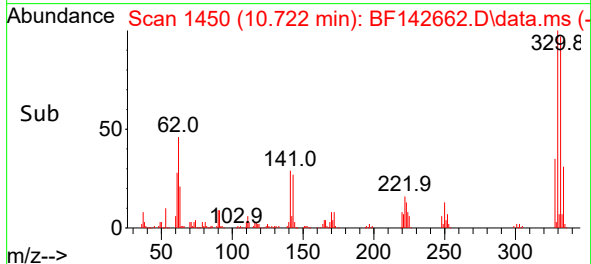
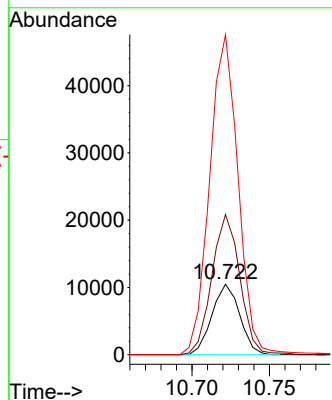
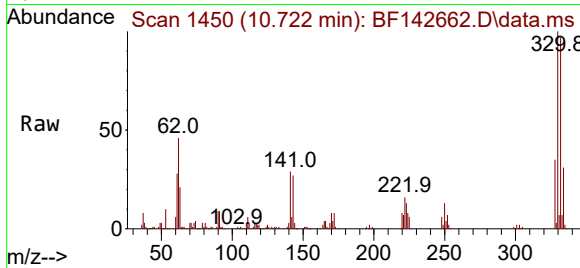




#67
4-Bromophenyl-phenylether
Concen: 2.553 ng
RT: 10.722 min Scan# 14
Delta R.T. -0.253 min
Lab File: BF142662.D
Acq: 06 Jun 2025 23:01

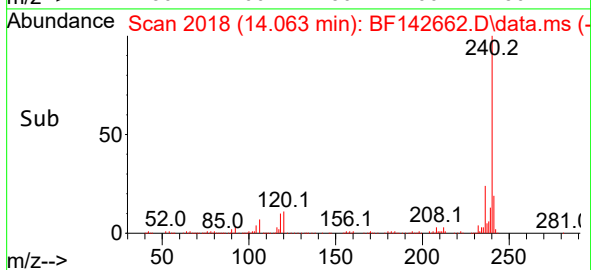
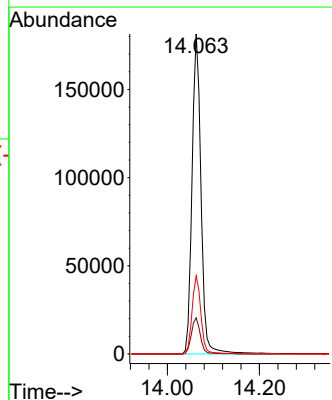
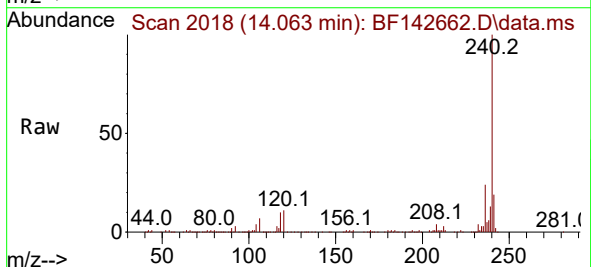
Instrument :
BNA_F
ClientSampleId :
BU-703-COMP-09

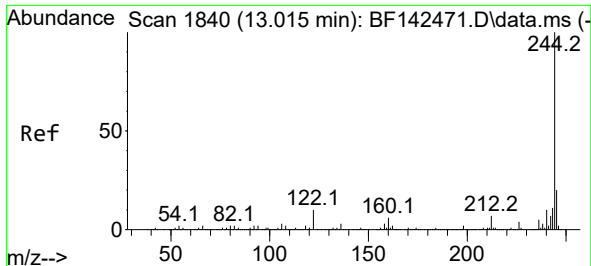
Tgt Ion:248 Resp: 13053
Ion Ratio Lower Upper
248 100
250 199.1 79.0 118.4#
141 454.3 58.4 87.6#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.063 min Scan# 2018
Delta R.T. -0.012 min
Lab File: BF142662.D
Acq: 06 Jun 2025 23:01

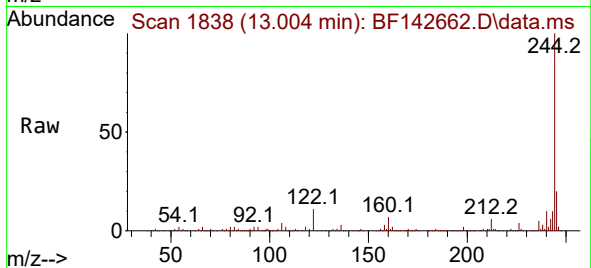
Tgt Ion:240 Resp: 245370
Ion Ratio Lower Upper
240 100
120 11.3 7.5 11.3#
236 24.4 19.6 29.4



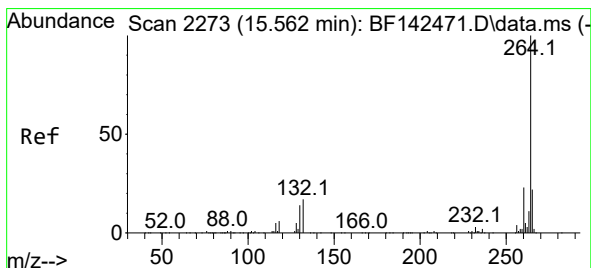
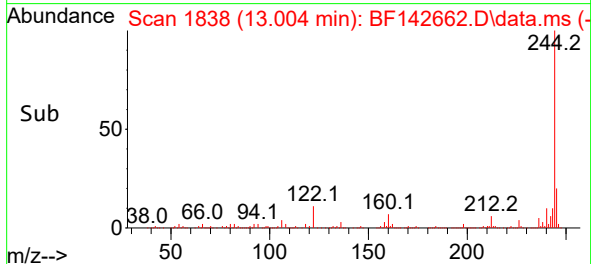
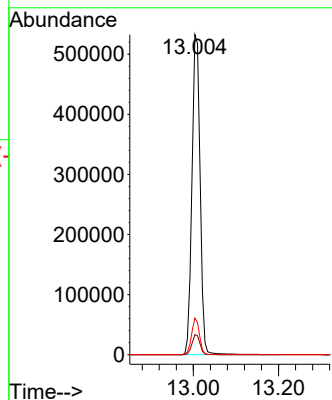


#79
 Terphenyl-d14
 Concen: 39.458 ng
 RT: 13.004 min Scan# 1838
 Delta R.T. -0.012 min
 Lab File: BF142662.D
 Acq: 06 Jun 2025 23:01

Instrument :
 BNA_F
 ClientSampleId :
 BU-703-COMP-09



Tgt Ion:244 Resp: 708484
 Ion Ratio Lower Upper
 244 100
 212 6.2 5.3 7.9
 122 11.5 8.2 12.2



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.557 min Scan# 2272
 Delta R.T. -0.012 min
 Lab File: BF142662.D
 Acq: 06 Jun 2025 23:01

Tgt Ion:264 Resp: 266520
 Ion Ratio Lower Upper
 264 100
 260 22.7 18.6 28.0
 265 21.2 17.7 26.5

