

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060625\
 Data File : BF142654.D
 Acq On : 06 Jun 2025 19:02
 Operator : RC/JU
 Sample : Q2207-10
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 BU-703-COMP-02

Quant Time: Jun 06 22:56:41 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)

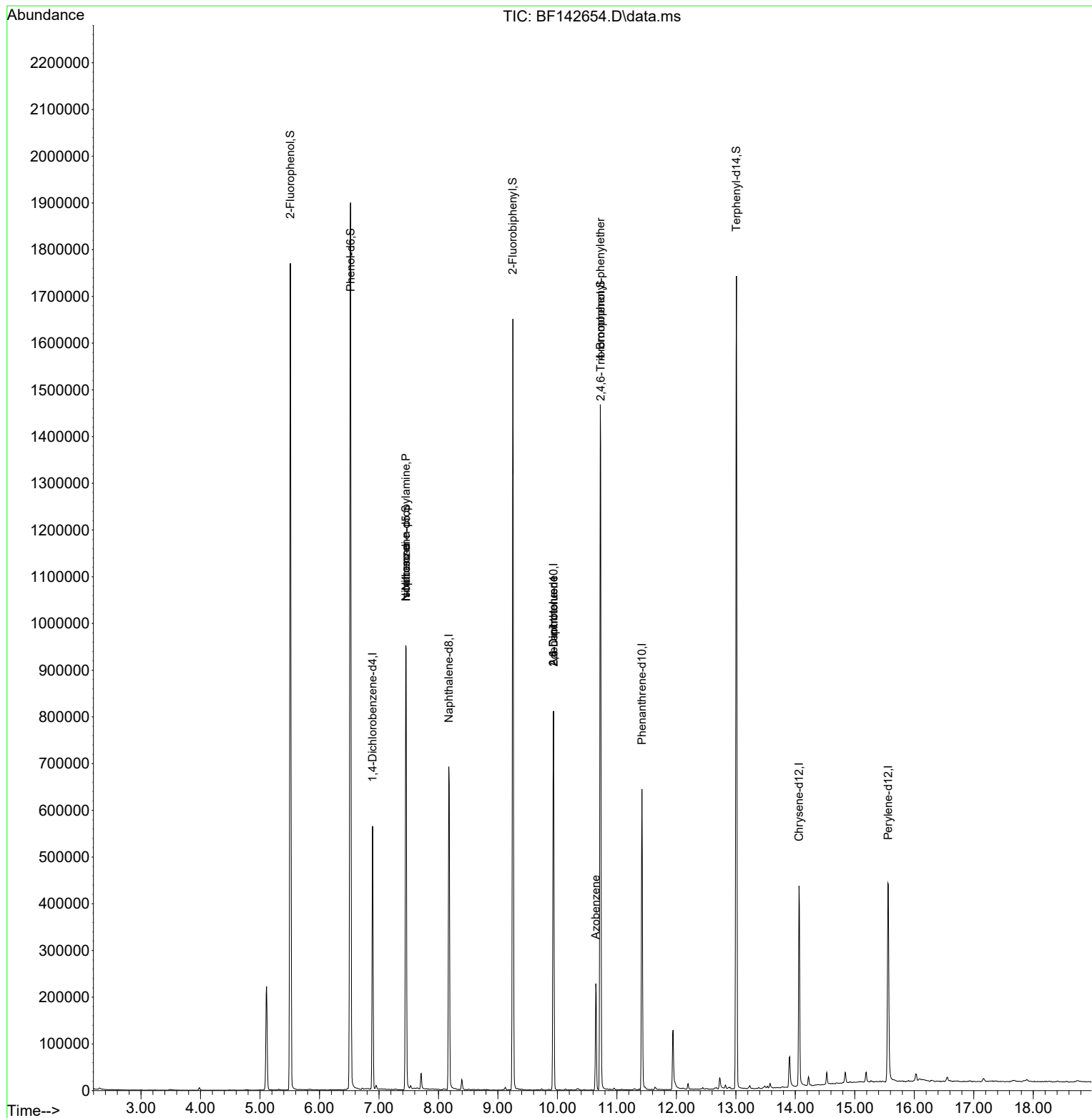
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.892	152	122851	20.000	ng	-0.01
21) Naphthalene-d8	8.175	136	468464	20.000	ng	-0.01
39) Acenaphthene-d10	9.933	164	241665	20.000	ng	-0.01
64) Phenanthrene-d10	11.421	188	350985	20.000	ng	-0.01
76) Chrysene-d12	14.062	240	226350	20.000	ng	-0.01
86) Perylene-d12	15.562	264	272940	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	691419	94.820	ng	0.00
7) Phenol-d6	6.522	99	979821	111.626	ng	-0.01
23) Nitrobenzene-d5	7.451	82	428527	49.880	ng	-0.02
42) 2,4,6-Tribromophenol	10.727	330	275384	102.672	ng	-0.01
45) 2-Fluorobiphenyl	9.251	172	741082	41.149	ng	-0.02
79) Terphenyl-d14	13.009	244	861820	52.031	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.451	70	57614	10.591	ng	# 76
25) Isophorone	7.451	82	413886	28.815	ng	# 63
51) 2,6-Dinitrotoluene	9.933	165	30992	9.005	ng	# 28
57) 2,4-Dinitrotoluene	9.933	165	30992	6.895	ng	# 28
63) Azobenzene	10.645	77	55353	3.957	ng	# 1
67) 4-Bromophenyl-phenylether	10.721	248	16571	3.993	ng	# 1

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

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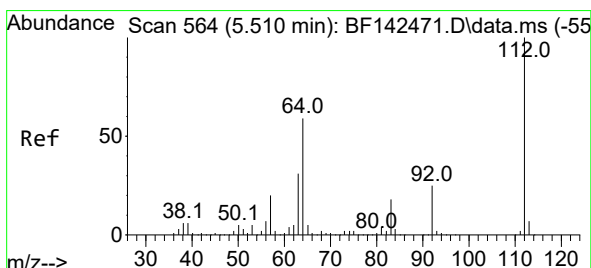
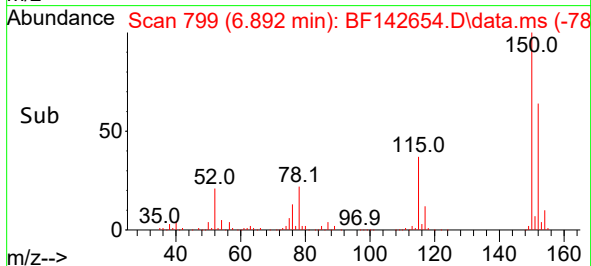
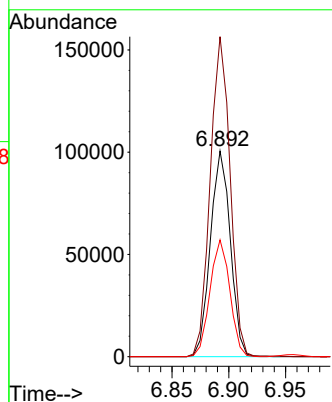
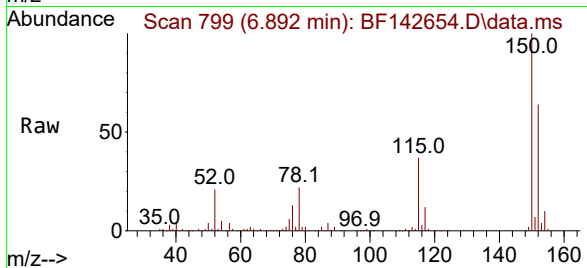




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.892 min Scan# 79
Delta R.T. -0.012 min
Lab File: BF142654.D
Acq: 06 Jun 2025 19:02

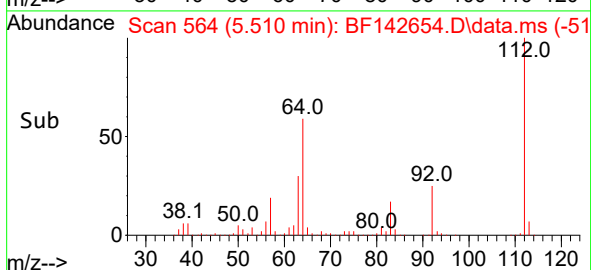
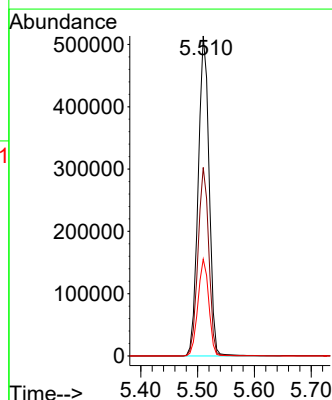
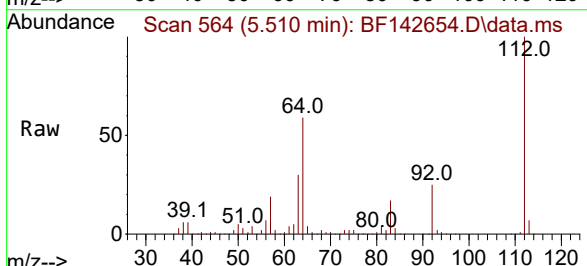
Instrument :
BNA_F
ClientSampleId :
BU-703-COMP-02

Tgt Ion:152 Resp: 122851
Ion Ratio Lower Upper
152 100
150 155.6 128.2 192.4
115 56.8 48.3 72.5



#5
2-Fluorophenol
Concen: 94.820 ng
RT: 5.510 min Scan# 564
Delta R.T. -0.006 min
Lab File: BF142654.D
Acq: 06 Jun 2025 19:02

Tgt Ion:112 Resp: 691419
Ion Ratio Lower Upper
112 100
64 58.9 47.5 71.3
63 30.3 24.9 37.3

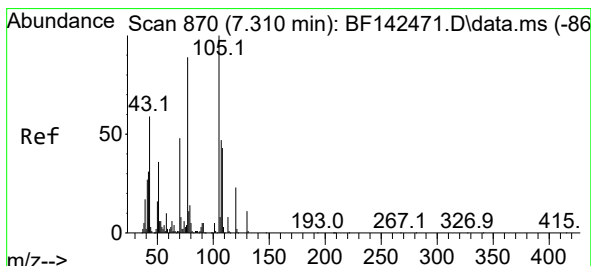
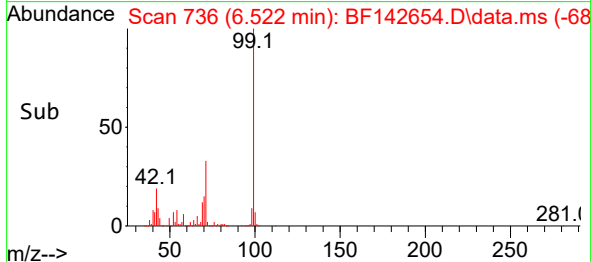
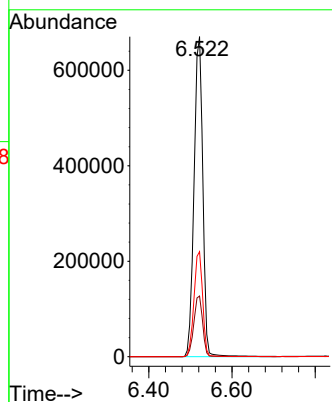
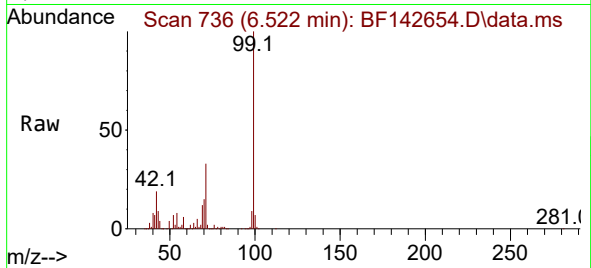




#7
Phenol-d6
Concen: 111.626 ng
RT: 6.522 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF142654.D
Acq: 06 Jun 2025 19:02

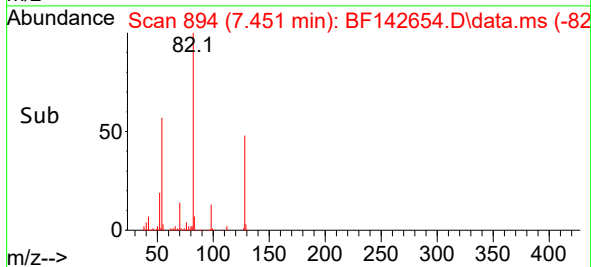
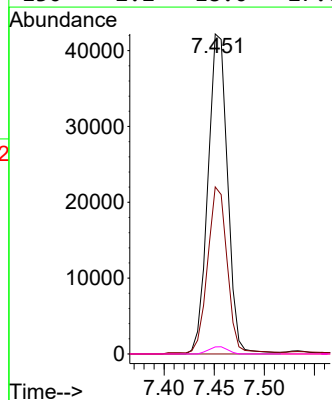
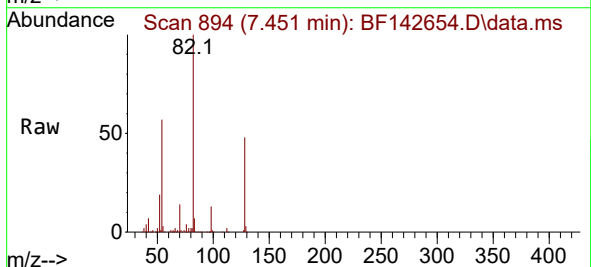
Instrument :
BNA_F
ClientSampleId :
BU-703-COMP-02

Tgt Ion: 99 Resp: 979821
Ion Ratio Lower Upper
99 100
42 18.9 16.2 24.2
71 32.8 27.3 40.9



#19
n-Nitroso-di-n-propylamine
Concen: 10.591 ng
RT: 7.451 min Scan# 894
Delta R.T. 0.123 min
Lab File: BF142654.D
Acq: 06 Jun 2025 19:02

Tgt Ion: 70 Resp: 57614
Ion Ratio Lower Upper
70 100
42 52.2 52.4 78.6#
101 0.0 7.8 11.8#
130 2.2 18.0 27.0#

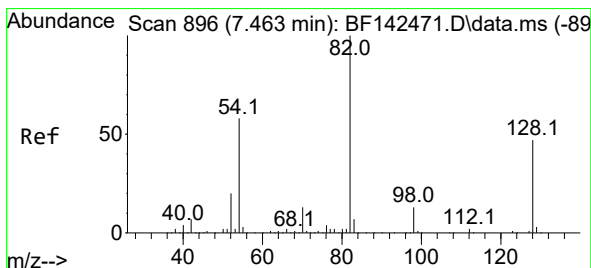
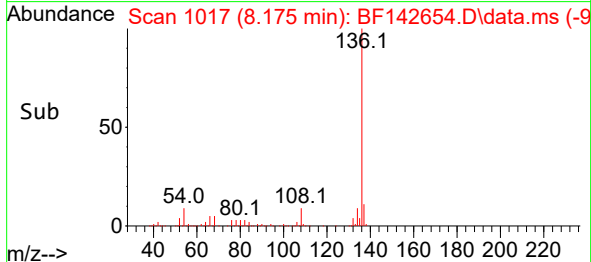
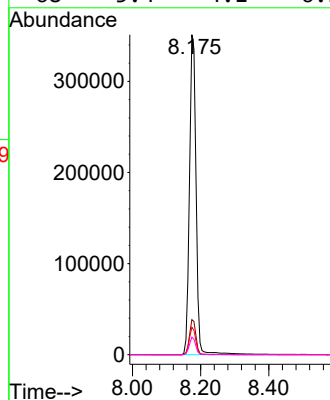
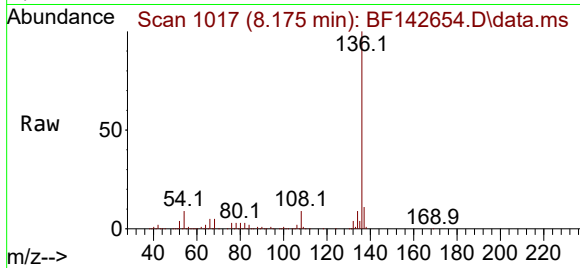




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.175 min Scan# 1017
Delta R.T. -0.012 min
Lab File: BF142654.D
Acq: 06 Jun 2025 19:02

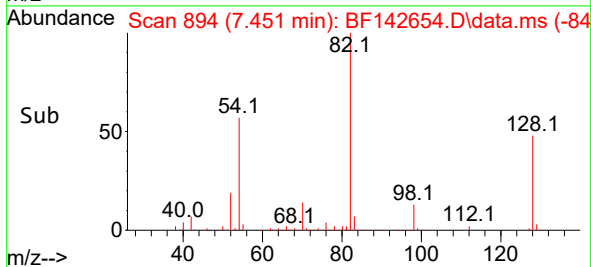
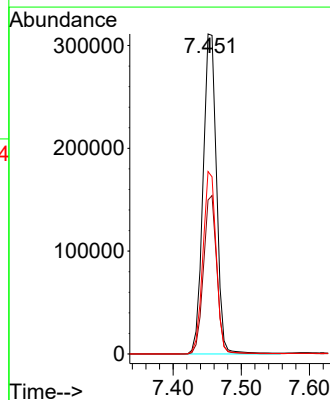
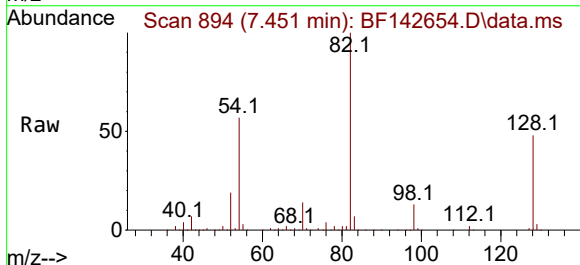
Instrument :
BNA_F
ClientSampleId :
BU-703-COMP-02

Tgt Ion:	136	Resp:	468464
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.6	13.0
54	8.6	6.6	10.0
68	5.4	4.1	6.1



#23
Nitrobenzene-d5
Concen: 49.880 ng
RT: 7.451 min Scan# 894
Delta R.T. -0.024 min
Lab File: BF142654.D
Acq: 06 Jun 2025 19:02

Tgt Ion:	82	Resp:	428527
Ion	Ratio	Lower	Upper
82	100		
128	48.1	37.4	56.2
54	57.0	46.6	70.0

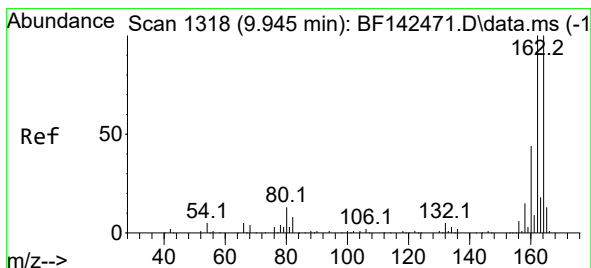
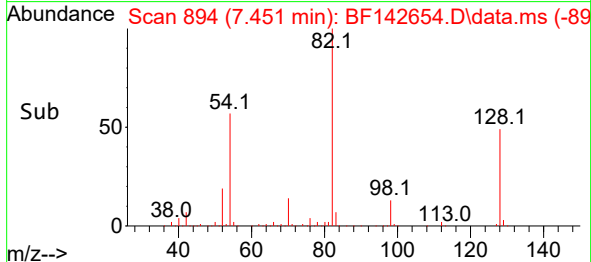
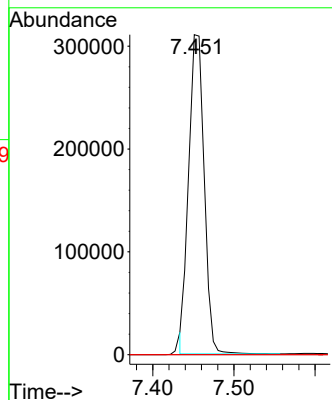
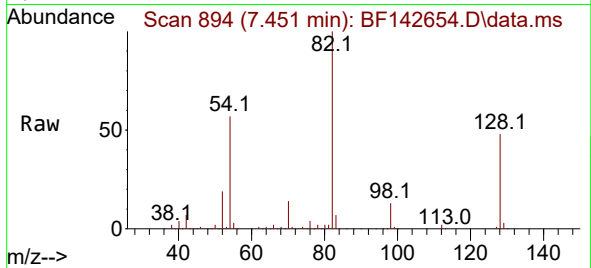




#25
Isophorone
Concen: 28.815 ng
RT: 7.451 min Scan# 89
Delta R.T. -0.282 min
Lab File: BF142654.D
Acq: 06 Jun 2025 19:02

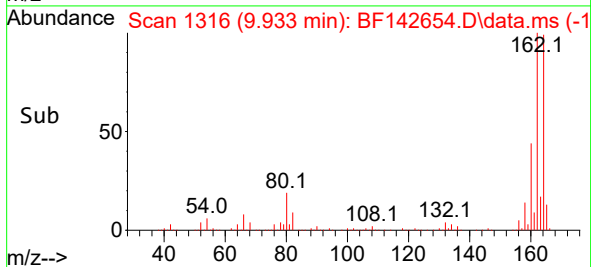
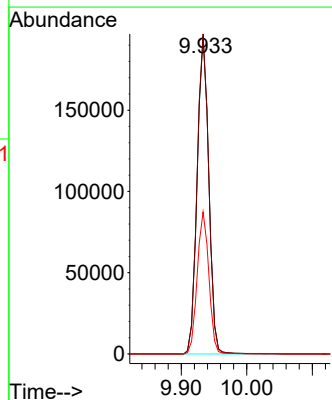
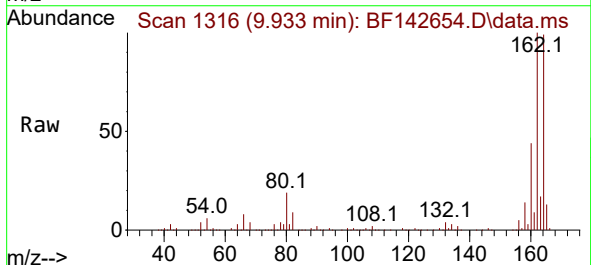
Instrument :
BNA_F
ClientSampleId :
BU-703-COMP-02

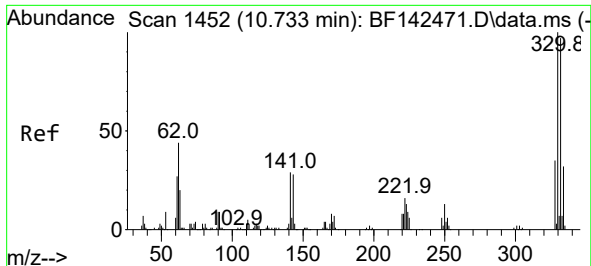
Tgt Ion: 82 Resp: 413886
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 15.5 23.3#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.933 min Scan# 1316
Delta R.T. -0.012 min
Lab File: BF142654.D
Acq: 06 Jun 2025 19:02

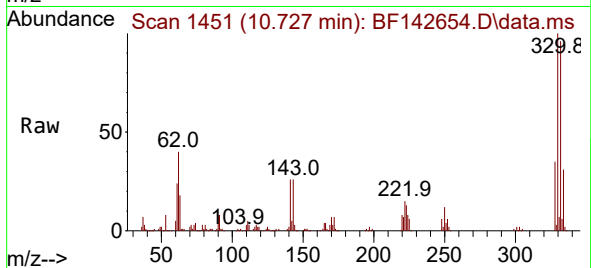
Tgt Ion:164 Resp: 241665
Ion Ratio Lower Upper
164 100
162 100.8 80.2 120.4
160 44.8 35.6 53.4



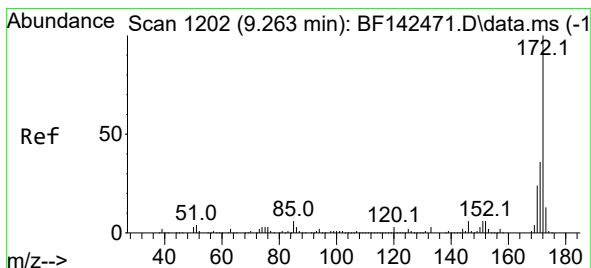
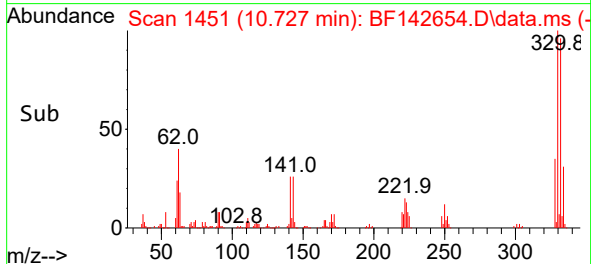
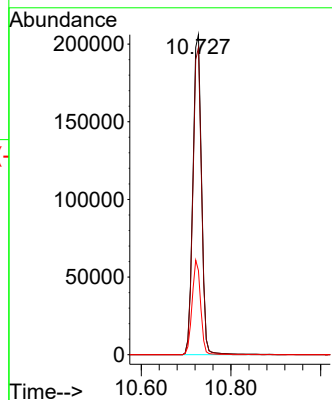


#42
2,4,6-Tribromophenol
Concen: 102.672 ng
RT: 10.727 min Scan# 1451
Delta R.T. -0.012 min
Lab File: BF142654.D
Acq: 06 Jun 2025 19:02

Instrument :
BNA_F
ClientSampleId :
BU-703-COMP-02

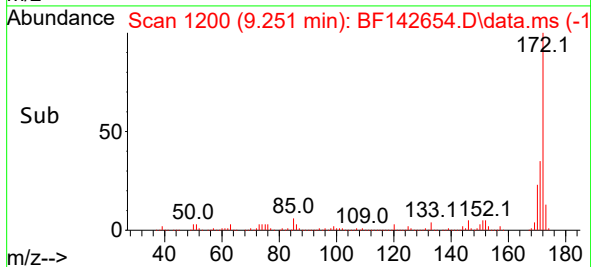
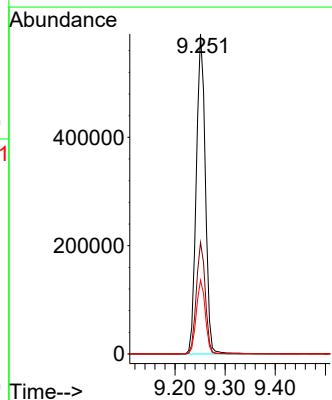
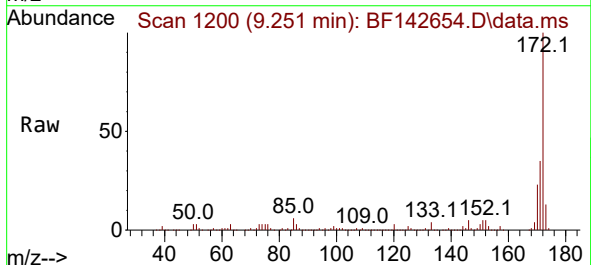


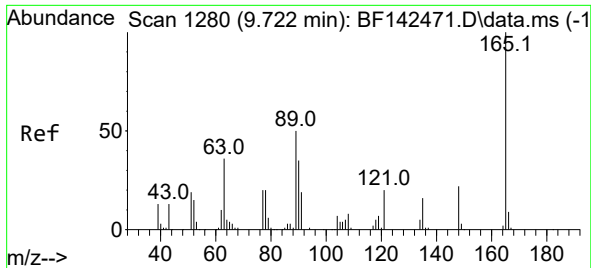
Tgt Ion:330 Resp: 275384
Ion Ratio Lower Upper
330 100
332 95.9 77.6 116.4
141 29.0 24.6 36.8



#45
2-Fluorobiphenyl
Concen: 41.149 ng
RT: 9.251 min Scan# 1200
Delta R.T. -0.018 min
Lab File: BF142654.D
Acq: 06 Jun 2025 19:02

Tgt Ion:172 Resp: 741082
Ion Ratio Lower Upper
172 100
171 34.9 28.6 42.8
170 23.1 18.9 28.3

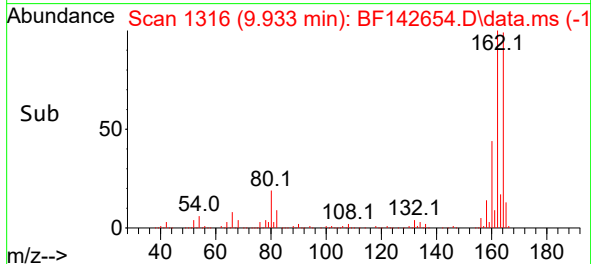
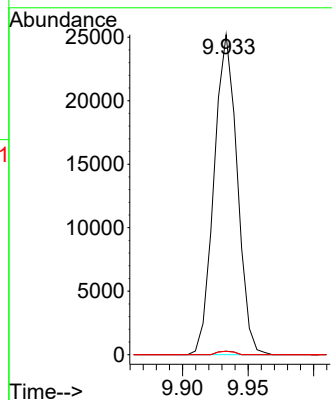
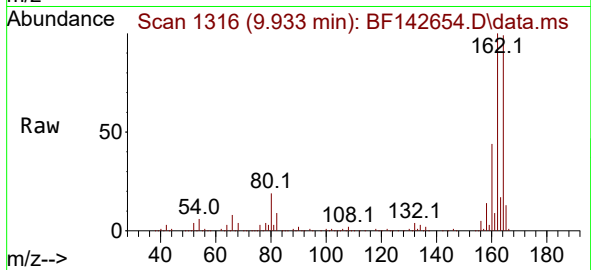




#51
2,6-Dinitrotoluene
Concen: 9.005 ng
RT: 9.933 min Scan# 11
Delta R.T. 0.206 min
Lab File: BF142654.D
Acq: 06 Jun 2025 19:02

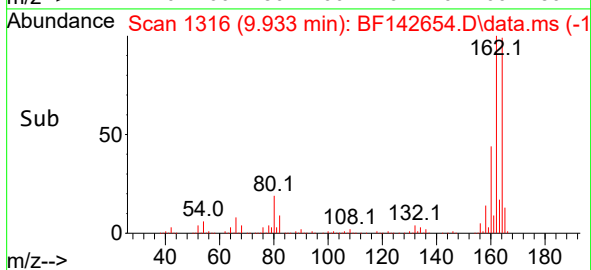
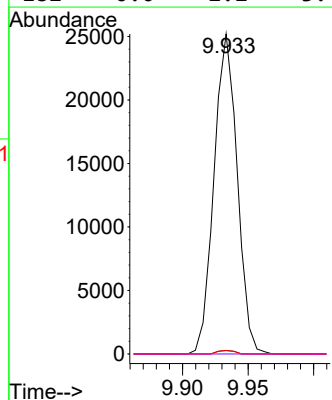
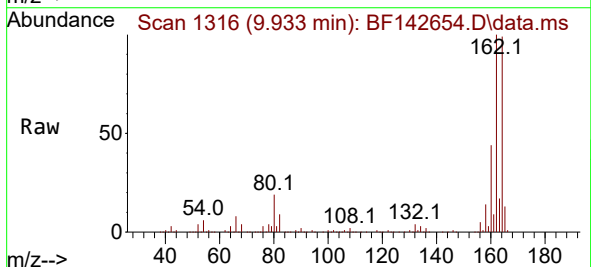
Instrument :
BNA_F
ClientSampleId :
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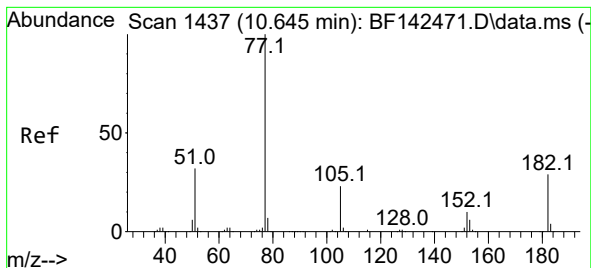
Tgt Ion:165 Resp: 30992
Ion Ratio Lower Upper
165 100
63 1.1 42.9 64.3#
89 1.1 40.2 60.4#



#57
2,4-Dinitrotoluene
Concen: 6.895 ng
RT: 9.933 min Scan# 1316
Delta R.T. -0.200 min
Lab File: BF142654.D
Acq: 06 Jun 2025 19:02

Tgt Ion:165 Resp: 30992
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: 3.957 ng

RT: 10.645 min Scan# 1437

Delta R.T. -0.000 min

Lab File: BF142654.D

Acq: 06 Jun 2025 19:02

Instrument :

BNA_F

ClientSampleId :

BU-703-COMP-02

Tgt Ion: 77 Resp: 55353

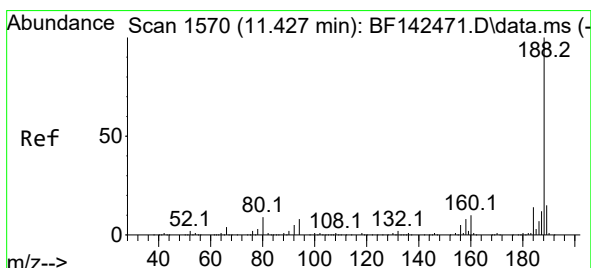
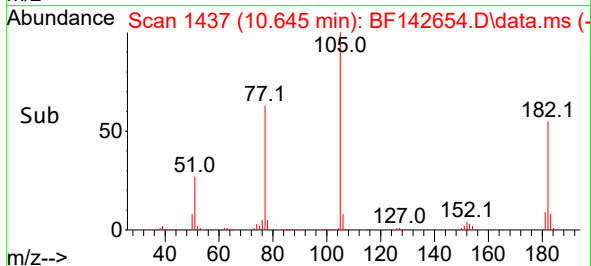
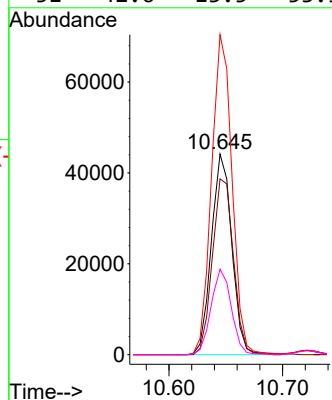
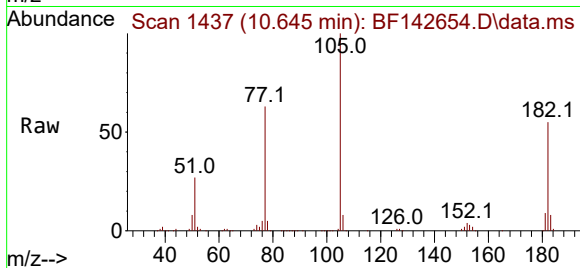
Ion Ratio Lower Upper

77 100

182 87.7 9.0 49.0#

105 159.5 2.4 42.4#

51 42.6 13.5 53.5



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.421 min Scan# 1569

Delta R.T. -0.012 min

Lab File: BF142654.D

Acq: 06 Jun 2025 19:02

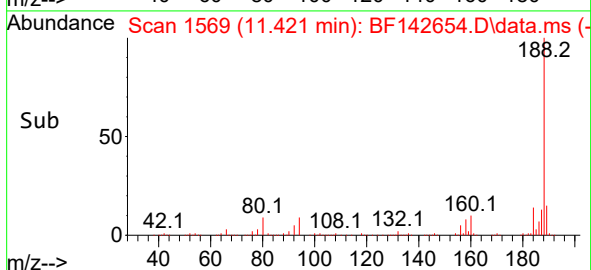
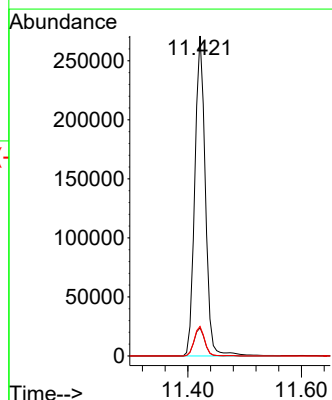
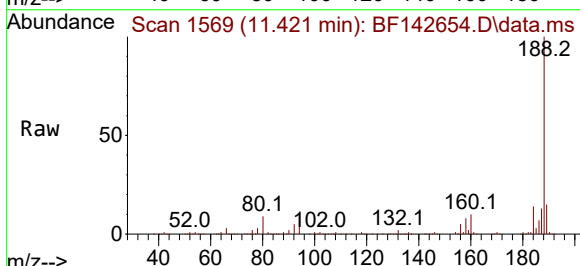
Tgt Ion: 188 Resp: 350985

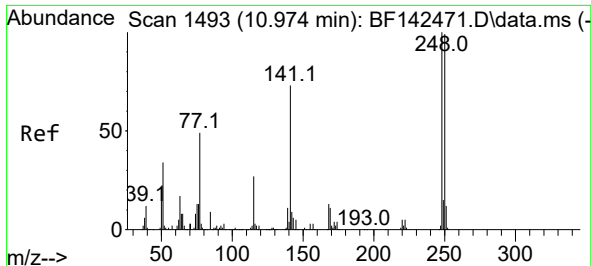
Ion Ratio Lower Upper

188 100

94 8.8 6.6 10.0

80 9.3 7.4 11.0

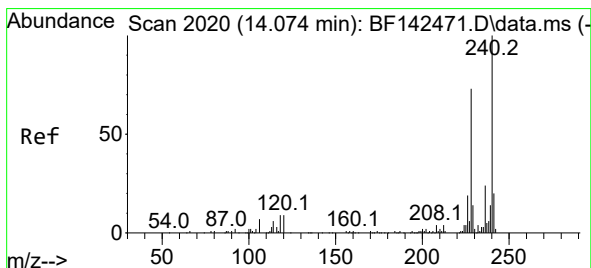
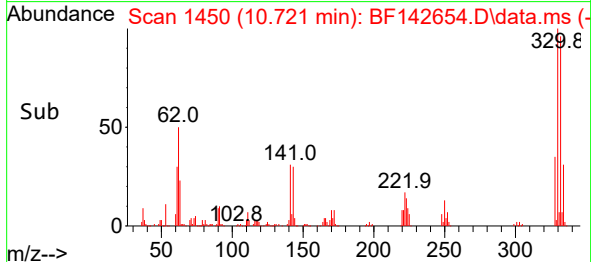
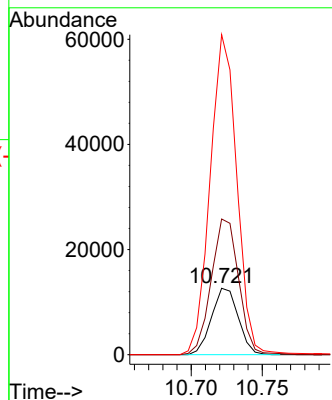
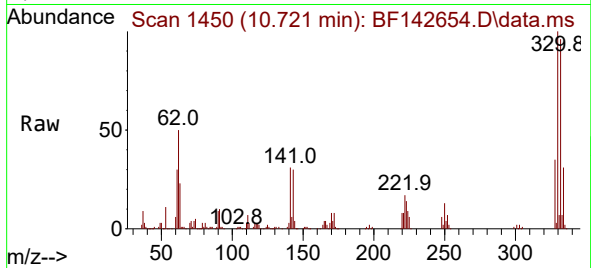




#67
4-Bromophenyl-phenylether
Concen: 3.993 ng
RT: 10.721 min Scan# 14
Delta R.T. -0.253 min
Lab File: BF142654.D
Acq: 06 Jun 2025 19:02

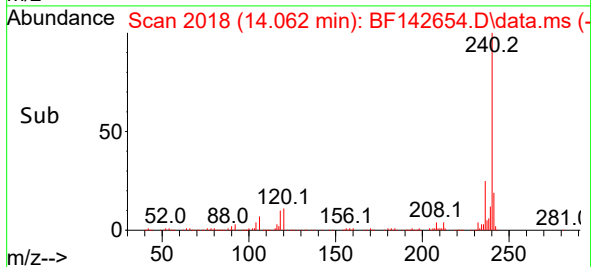
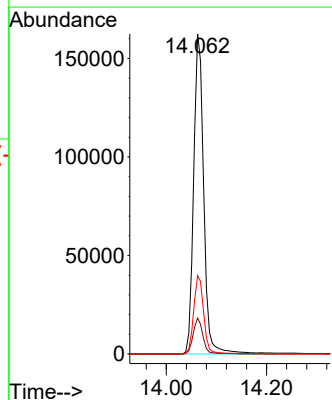
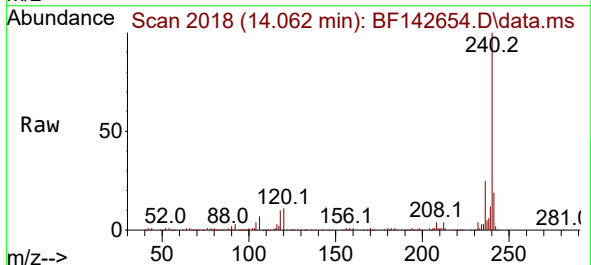
Instrument :
BNA_F
ClientSampleId :
BU-703-COMP-02

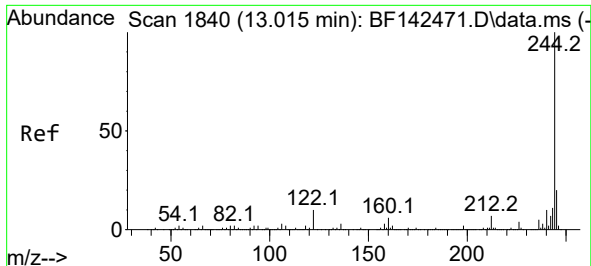
Tgt Ion:248 Resp: 16571
Ion Ratio Lower Upper
248 100
250 204.3 79.0 118.4#
141 481.6 58.4 87.6#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.062 min Scan# 2018
Delta R.T. -0.012 min
Lab File: BF142654.D
Acq: 06 Jun 2025 19:02

Tgt Ion:240 Resp: 226350
Ion Ratio Lower Upper
240 100
120 11.2 7.5 11.3
236 24.5 19.6 29.4

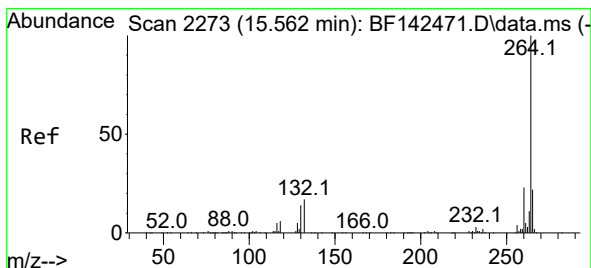
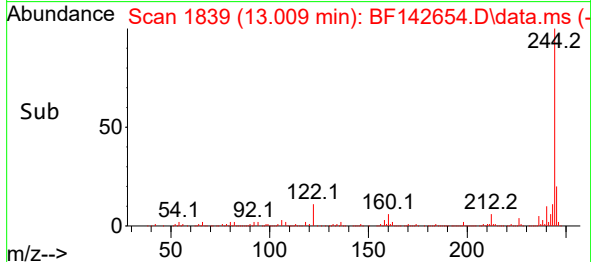
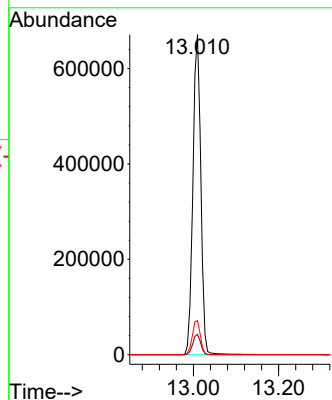
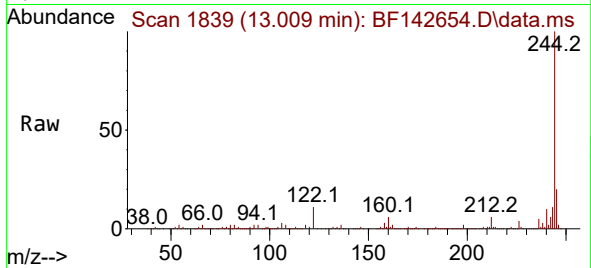




#79
 Terphenyl-d14
 Concen: 52.031 ng
 RT: 13.009 min Scan# 1839
 Delta R.T. -0.006 min
 Lab File: BF142654.D
 Acq: 06 Jun 2025 19:02

Instrument :
 BNA_F
 ClientSampleId :
 BU-703-COMP-02

Tgt Ion:244 Resp: 861820
 Ion Ratio Lower Upper
 244 100
 212 6.4 5.3 7.9
 122 10.7 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: BF142654.D
 Acq: 06 Jun 2025 19:02

Tgt Ion:264 Resp: 272940
 Ion Ratio Lower Upper
 264 100
 260 23.2 18.6 28.0
 265 21.4 17.7 26.5

