

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060625\
 Data File : BF142678.D
 Acq On : 07 Jun 2025 08:31
 Operator : RC/JU
 Sample : Q2244-01
 Misc :
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP03-MHC

Quant Time: Jun 09 01:03:18 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)

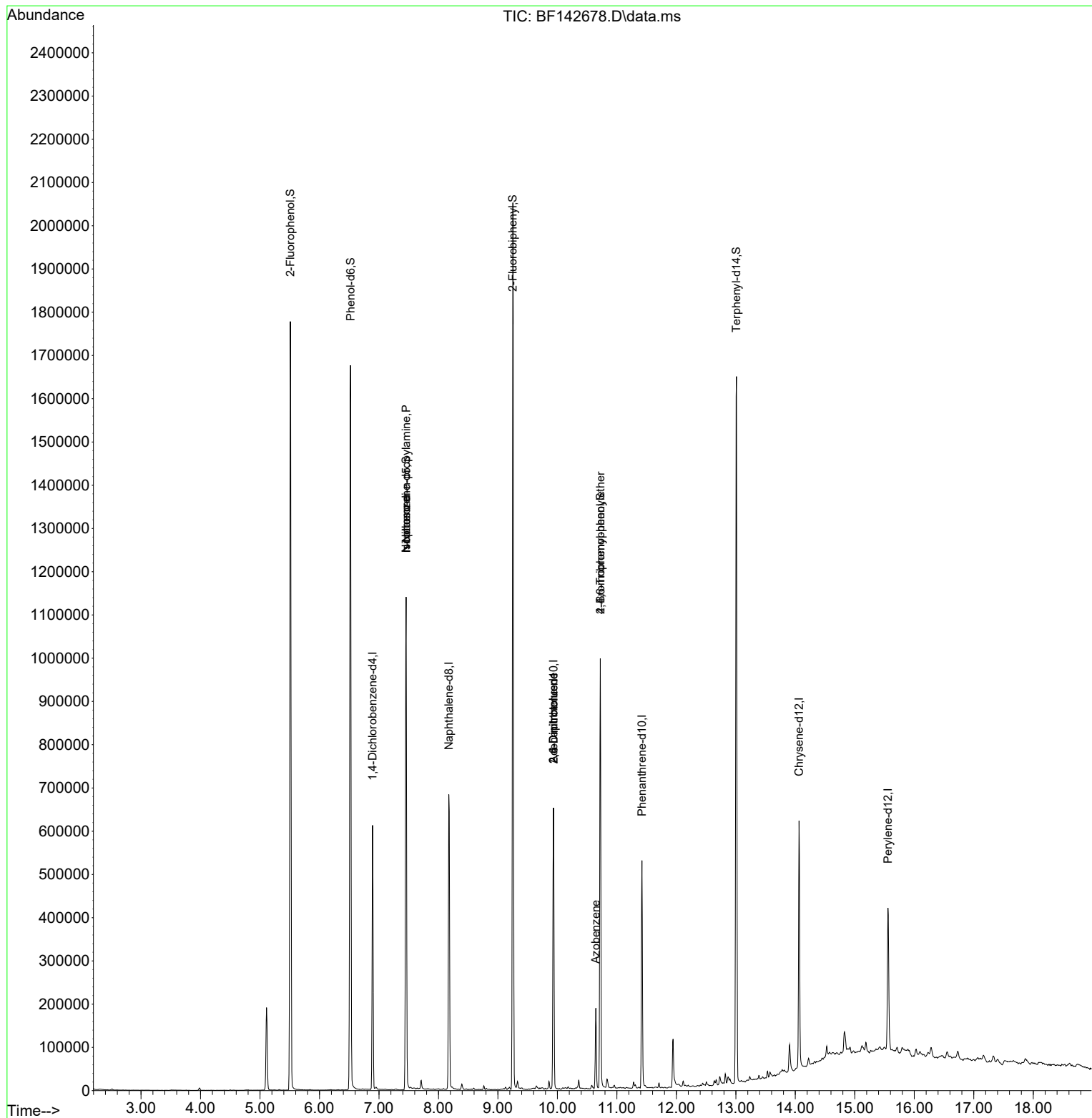
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.892	152	130127	20.000	ng	-0.01
21) Naphthalene-d8	8.175	136	462592	20.000	ng	-0.01
39) Acenaphthene-d10	9.933	164	195576	20.000	ng	-0.01
64) Phenanthrene-d10	11.422	188	280845	20.000	ng	-0.01
76) Chrysene-d12	14.063	240	285309	20.000	ng	-0.01
86) Perylene-d12	15.557	264	205643	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	704184	91.171	ng	0.00
7) Phenol-d6	6.522	99	854857	91.944	ng	-0.01
23) Nitrobenzene-d5	7.457	82	499447	58.873	ng	-0.02
42) 2,4,6-Tribromophenol	10.722	330	174661	80.465	ng	-0.02
45) 2-Fluorobiphenyl	9.251	172	926034	63.536	ng	-0.02
79) Terphenyl-d14	13.010	244	836164	40.050	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.457	70	66774	11.588	ng	# 75
25) Isophorone	7.457	82	485725	34.245	ng	# 63
51) 2,6-Dinitrotoluene	9.933	165	25441	9.134	ng	# 27
57) 2,4-Dinitrotoluene	9.933	165	25441	6.994	ng	# 28
63) Azobenzene	10.645	77	43461	3.839	ng	# 1
67) 4-Bromophenyl-phenylether	10.722	248	11176	3.365	ng	# 1

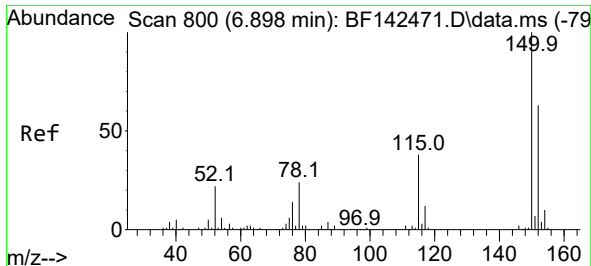
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc :
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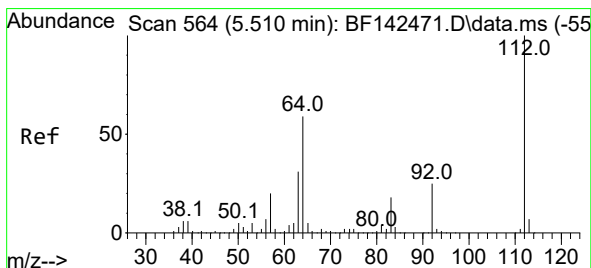
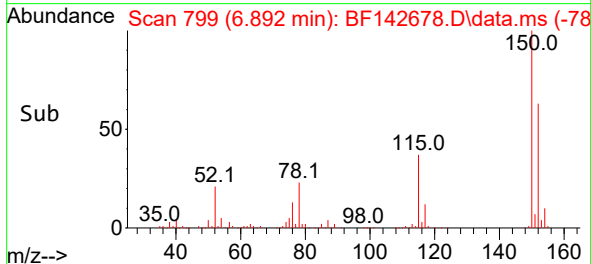
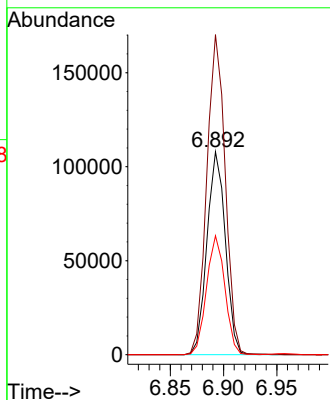
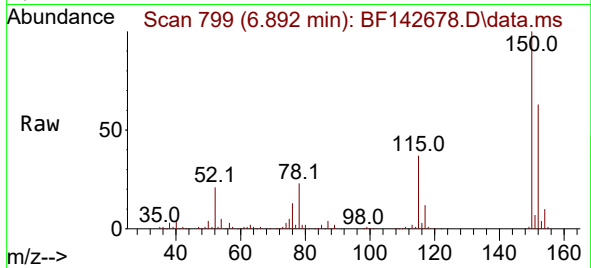




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.892 min Scan# 79
Delta R.T. -0.012 min
Lab File: BF142678.D
Acq: 07 Jun 2025 08:31

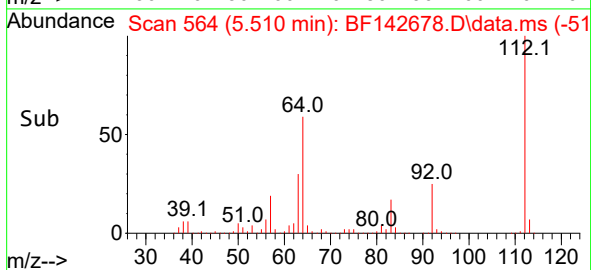
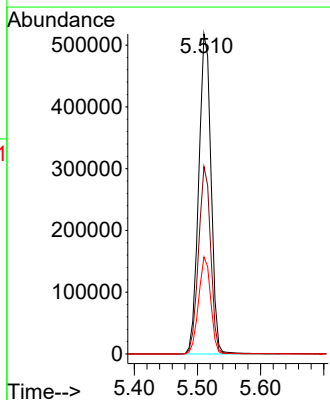
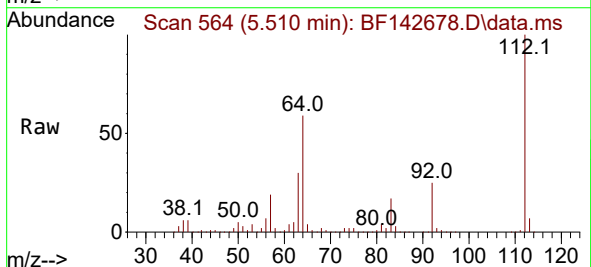
Instrument :
BNA_F
ClientSampleId :
TP03-MHC

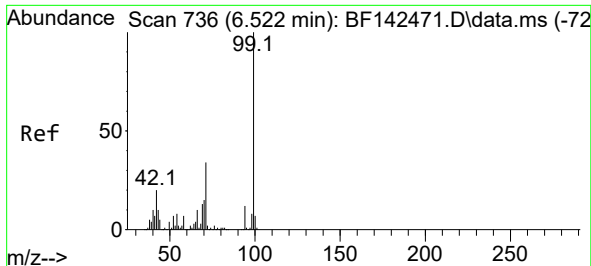
Tgt Ion:152 Resp: 130127
Ion Ratio Lower Upper
152 100
150 157.7 128.2 192.4
115 58.6 48.3 72.5



#5
2-Fluorophenol
Concen: 91.171 ng
RT: 5.510 min Scan# 564
Delta R.T. -0.006 min
Lab File: BF142678.D
Acq: 07 Jun 2025 08:31

Tgt Ion:112 Resp: 704184
Ion Ratio Lower Upper
112 100
64 58.5 47.5 71.3
63 30.3 24.9 37.3

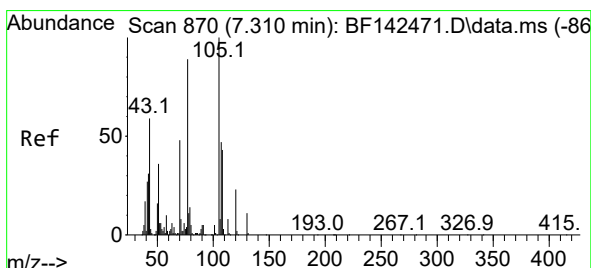
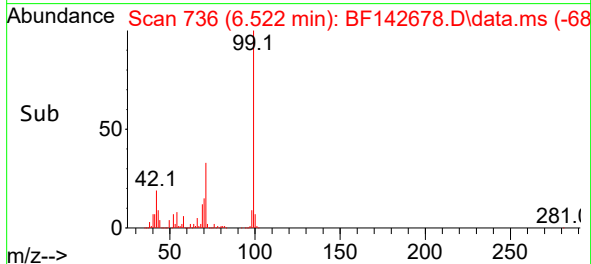
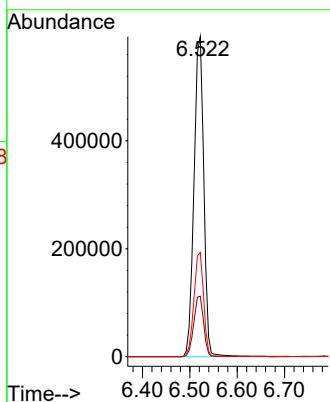
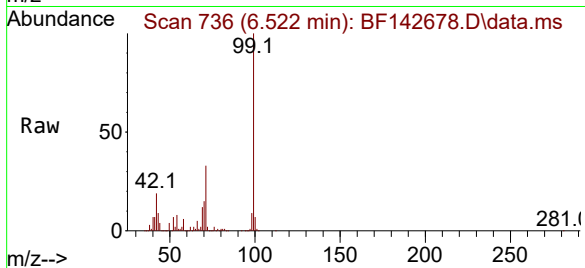




#7
Phenol-d6
Concen: 91.944 ng
RT: 6.522 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF142678.D
Acq: 07 Jun 2025 08:31

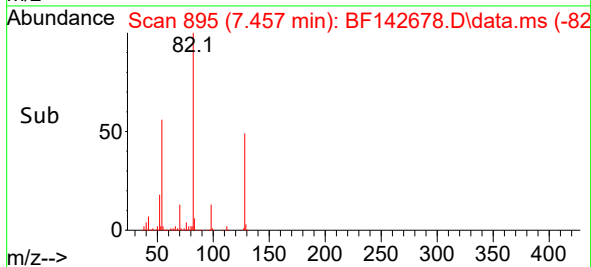
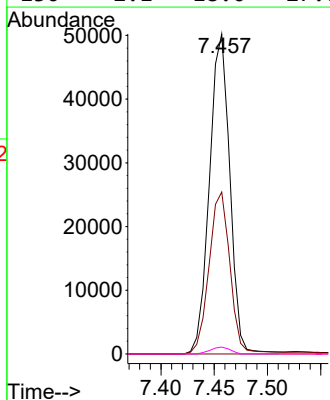
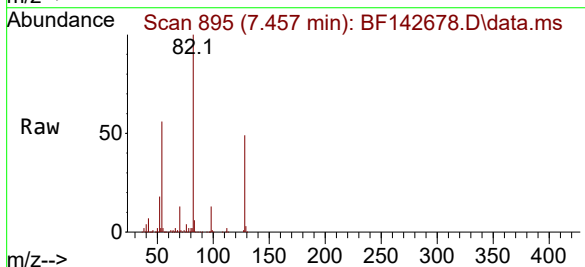
Instrument :
BNA_F
ClientSampleId :
TP03-MHC

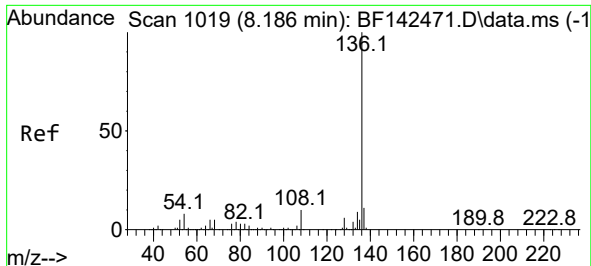
Tgt Ion: 99 Resp: 854857
Ion Ratio Lower Upper
99 100
42 18.9 16.2 24.2
71 32.5 27.3 40.9



#19
n-Nitroso-di-n-propylamine
Concen: 11.588 ng
RT: 7.457 min Scan# 895
Delta R.T. 0.129 min
Lab File: BF142678.D
Acq: 07 Jun 2025 08:31

Tgt Ion: 70 Resp: 66774
Ion Ratio Lower Upper
70 100
42 50.6 52.4 78.6#
101 0.0 7.8 11.8#
130 2.1 18.0 27.0#

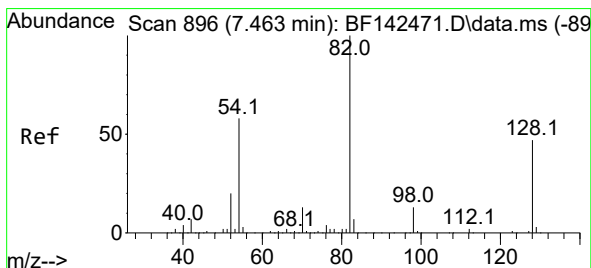
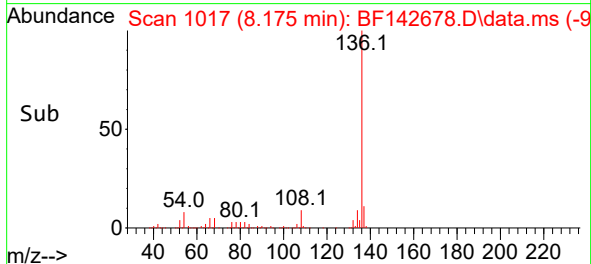
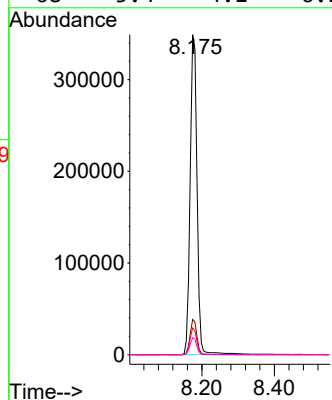
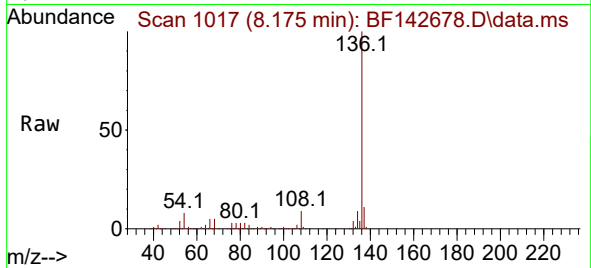




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.175 min Scan# 1019
Delta R.T. -0.012 min
Lab File: BF142678.D
Acq: 07 Jun 2025 08:31

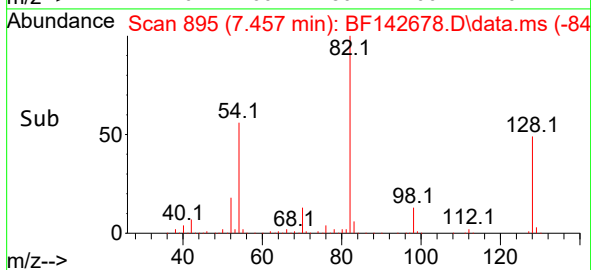
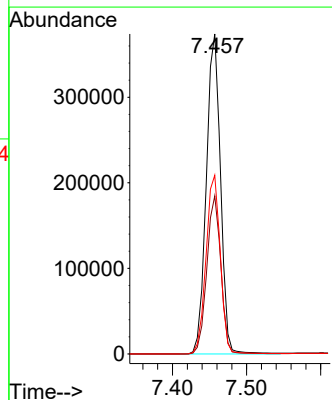
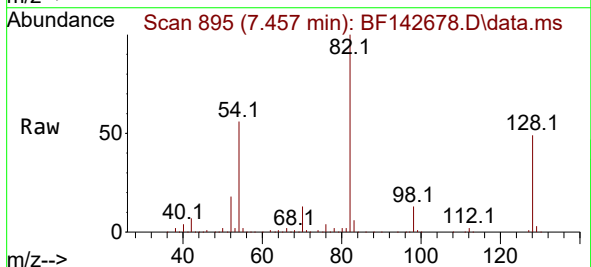
Instrument :
BNA_F
ClientSampleId :
TP03-MHC

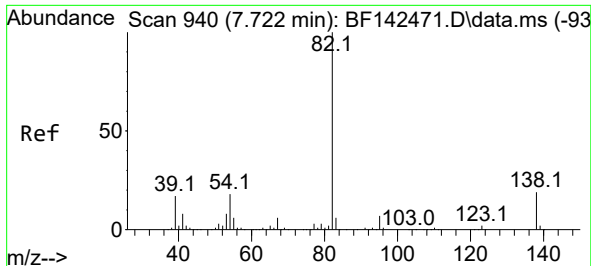
Tgt Ion:136 Resp: 462592
Ion Ratio Lower Upper
136 100
137 11.0 8.6 13.0
54 8.4 6.6 10.0
68 5.4 4.1 6.1



#23
Nitrobenzene-d5
Concen: 58.873 ng
RT: 7.457 min Scan# 895
Delta R.T. -0.018 min
Lab File: BF142678.D
Acq: 07 Jun 2025 08:31

Tgt Ion: 82 Resp: 499447
Ion Ratio Lower Upper
82 100
128 49.4 37.4 56.2
54 55.8 46.6 70.0

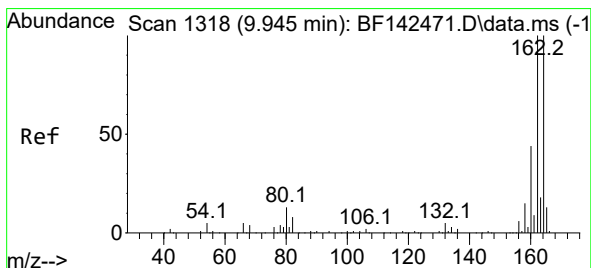
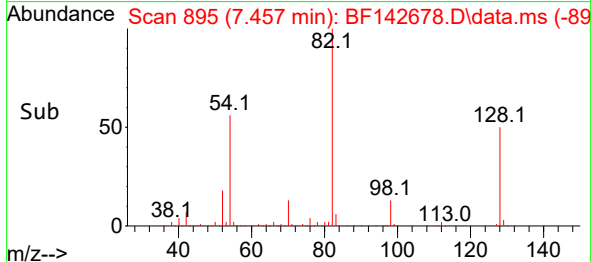
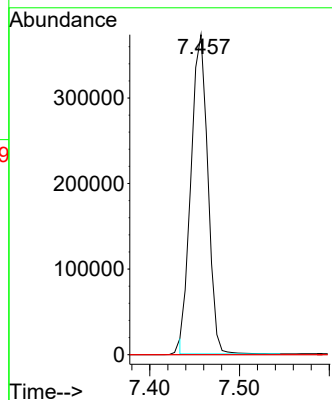
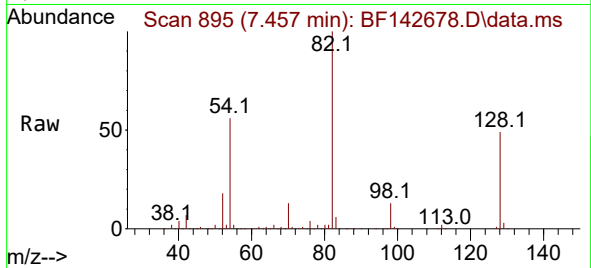




#25
Isophorone
Concen: 34.245 ng
RT: 7.457 min Scan# 89
Delta R.T. -0.276 min
Lab File: BF142678.D
Acq: 07 Jun 2025 08:31

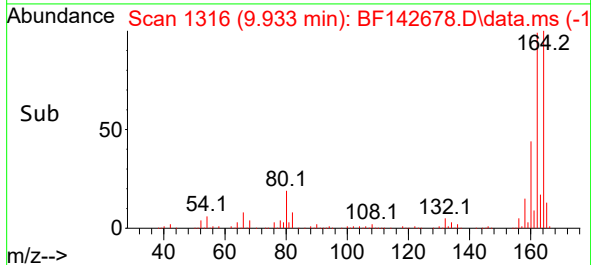
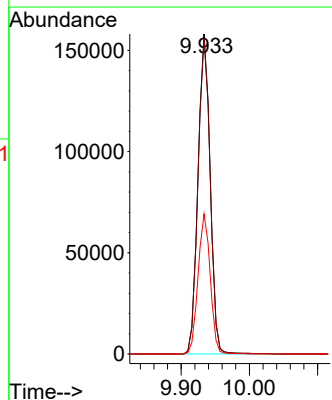
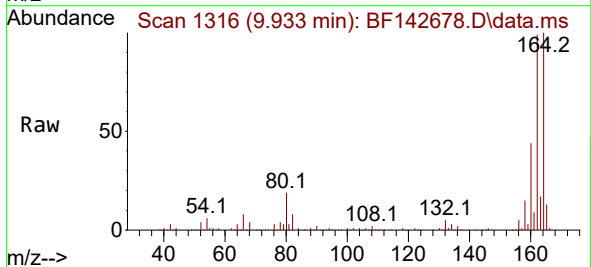
Instrument :
BNA_F
ClientSampleId :
TP03-MHC

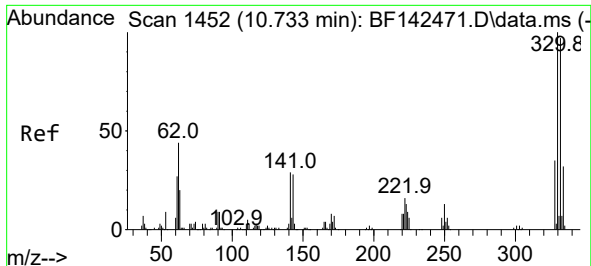
Tgt Ion: 82 Resp: 485725
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 15.5 23.3#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.933 min Scan# 1316
Delta R.T. -0.012 min
Lab File: BF142678.D
Acq: 07 Jun 2025 08:31

Tgt Ion:164 Resp: 195576
Ion Ratio Lower Upper
164 100
162 98.6 80.2 120.4
160 43.7 35.6 53.4

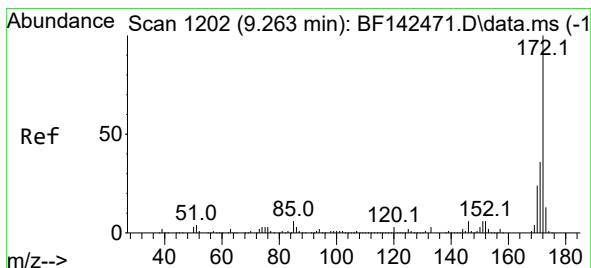
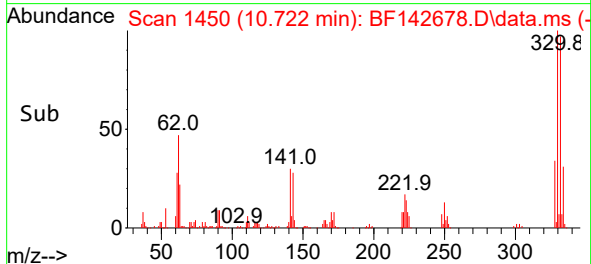
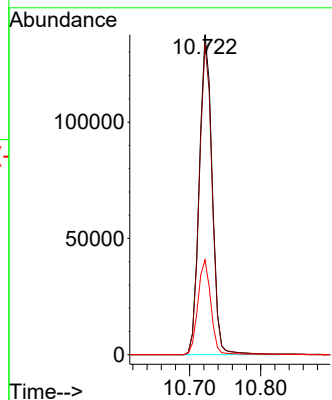
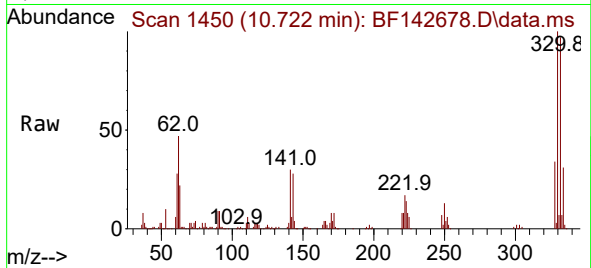




#42
2,4,6-Tribromophenol
Concen: 80.465 ng
RT: 10.722 min Scan# 1452
Delta R.T. -0.018 min
Lab File: BF142678.D
Acq: 07 Jun 2025 08:31

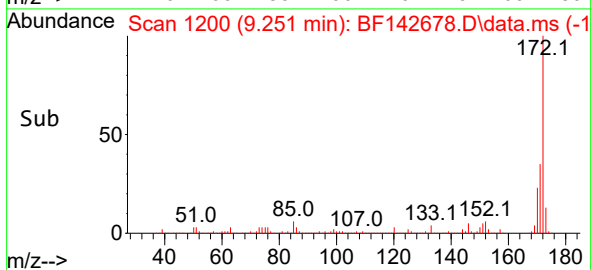
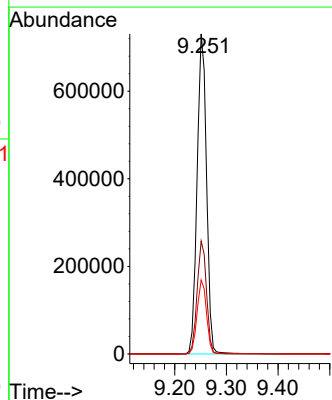
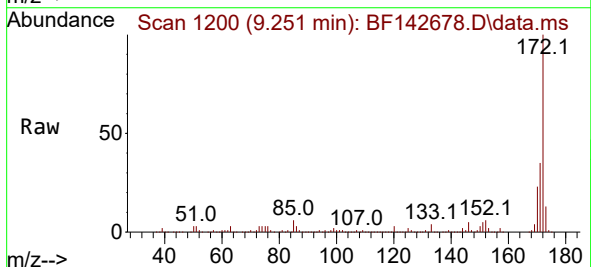
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ClientSampleId :
TP03-MHC

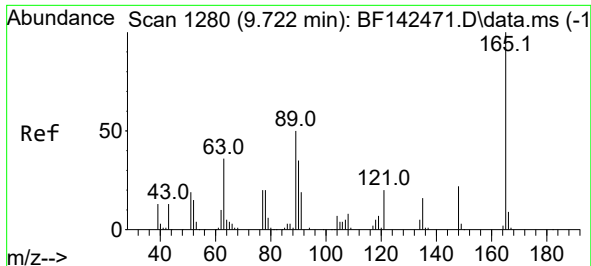
Tgt Ion:330 Resp: 174661
Ion Ratio Lower Upper
330 100
332 96.9 77.6 116.4
141 29.9 24.6 36.8



#45
2-Fluorobiphenyl
Concen: 63.536 ng
RT: 9.251 min Scan# 1200
Delta R.T. -0.018 min
Lab File: BF142678.D
Acq: 07 Jun 2025 08:31

Tgt Ion:172 Resp: 926034
Ion Ratio Lower Upper
172 100
171 35.3 28.6 42.8
170 23.1 18.9 28.3

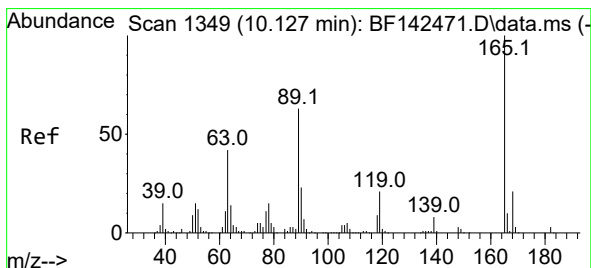
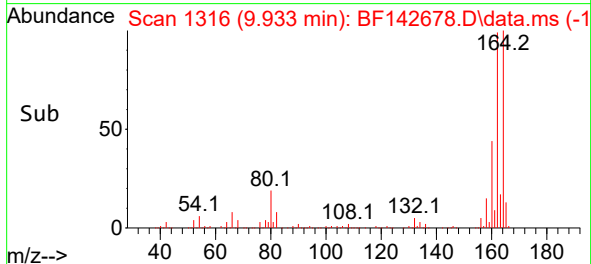
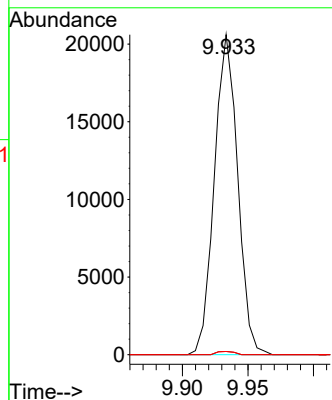
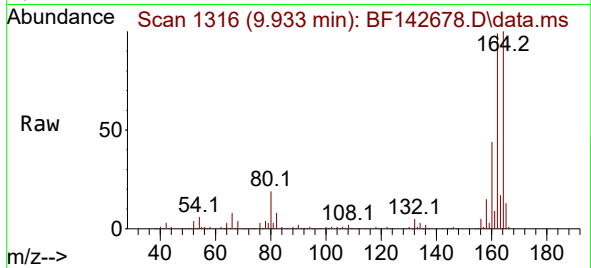




#51
2,6-Dinitrotoluene
Concen: 9.134 ng
RT: 9.933 min Scan# 1316
Delta R.T. 0.206 min
Lab File: BF142678.D
Acq: 07 Jun 2025 08:31

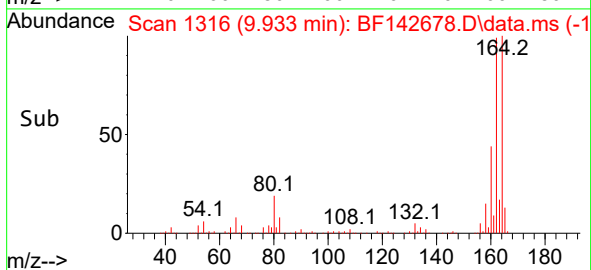
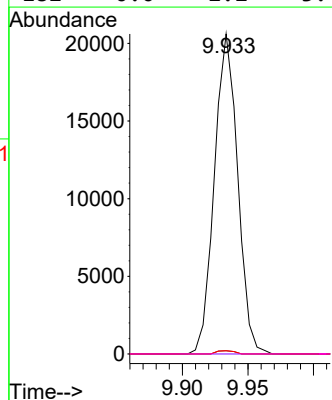
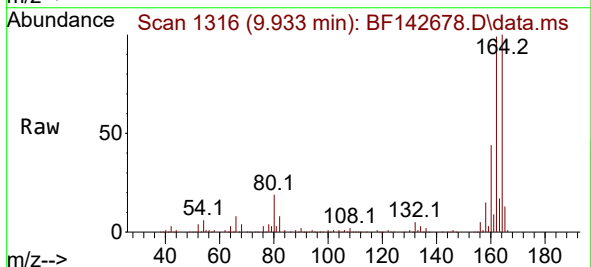
Instrument :
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TP03-MHC

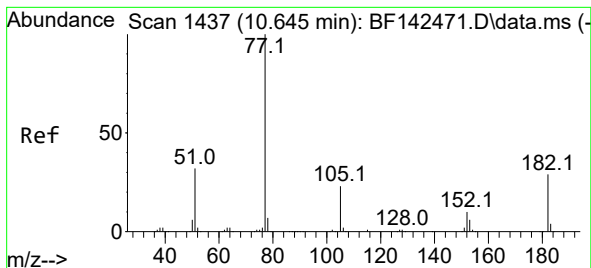
Tgt Ion:165 Resp: 25441
Ion Ratio Lower Upper
165 100
63 1.0 42.9 64.3#
89 1.0 40.2 60.4#



#57
2,4-Dinitrotoluene
Concen: 6.994 ng
RT: 9.933 min Scan# 1316
Delta R.T. -0.200 min
Lab File: BF142678.D
Acq: 07 Jun 2025 08:31

Tgt Ion:165 Resp: 25441
Ion Ratio Lower Upper
165 100
63 1.0 33.6 50.4#
89 1.0 50.2 75.4#
182 0.0 2.2 3.4#





#63

Azobenzene

Concen: 3.839 ng

RT: 10.645 min Scan# 1437

Delta R.T. 0.000 min

Lab File: BF142678.D

Acq: 07 Jun 2025 08:31

Instrument :

BNA_F

ClientSampleId :

TP03-MHC

Tgt Ion: 77 Resp: 43461

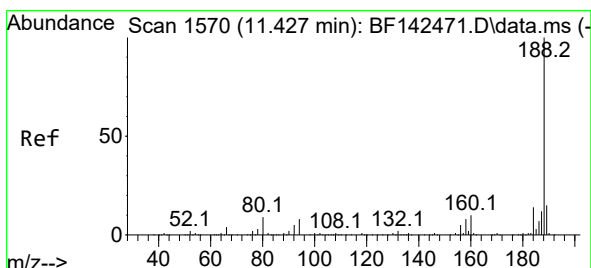
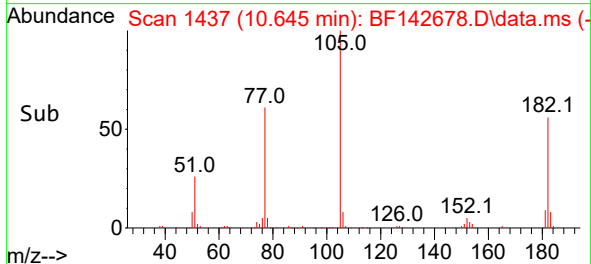
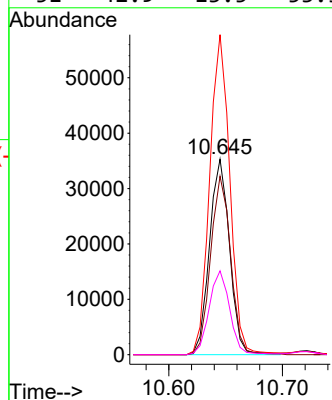
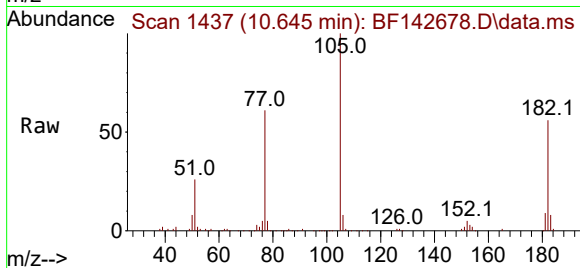
Ion Ratio Lower Upper

77 100

182 91.2 9.0 49.0#

105 163.6 2.4 42.4#

51 42.9 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: BF142678.D

Acq: 07 Jun 2025 08:31

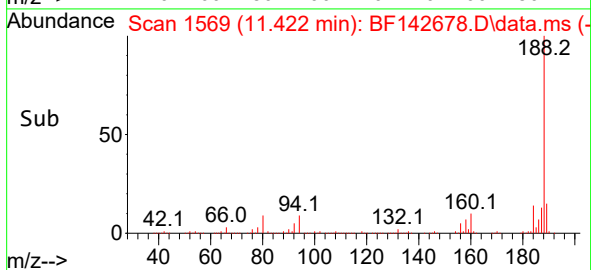
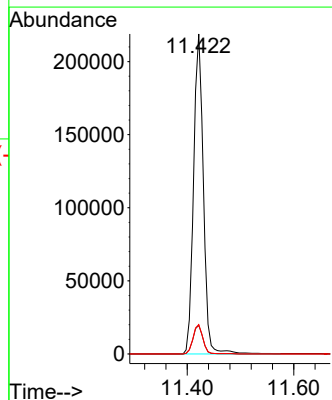
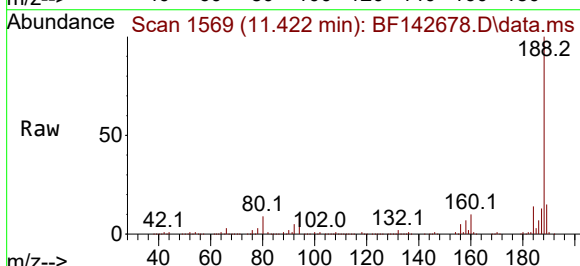
Tgt Ion:188 Resp: 280845

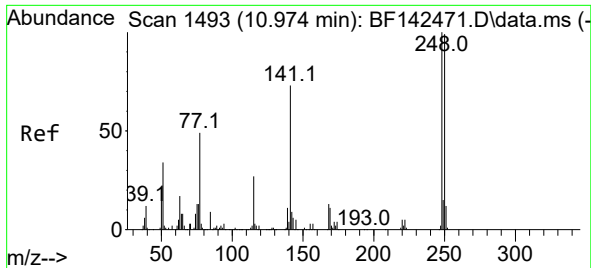
Ion Ratio Lower Upper

188 100

94 8.9 6.6 10.0

80 9.2 7.4 11.0

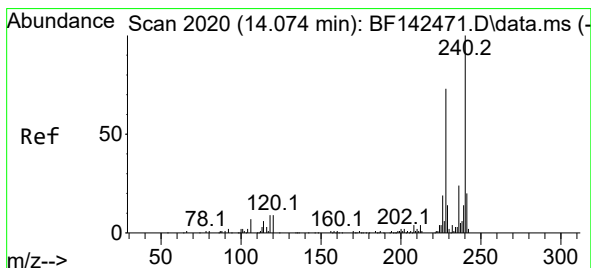
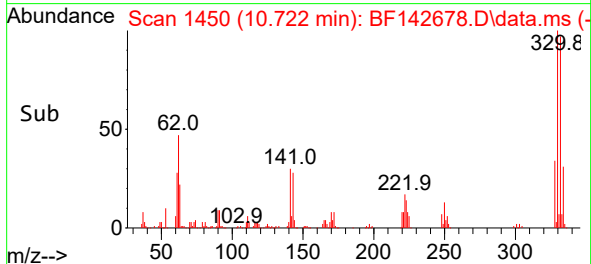
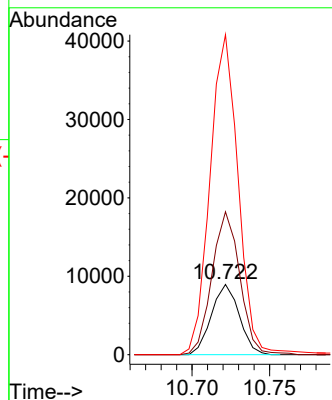
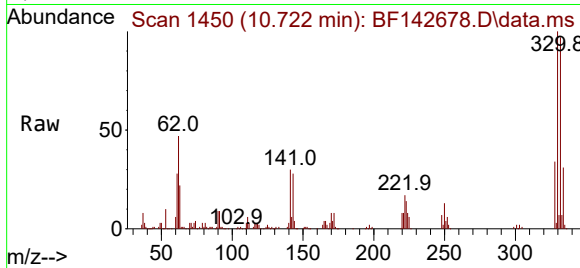




#67
4-Bromophenyl-phenylether
Concen: 3.365 ng
RT: 10.722 min Scan# 141
Delta R.T. -0.253 min
Lab File: BF142678.D
Acq: 07 Jun 2025 08:31

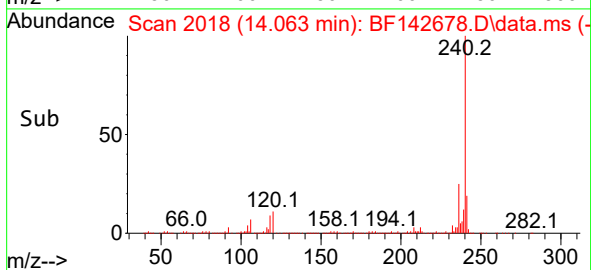
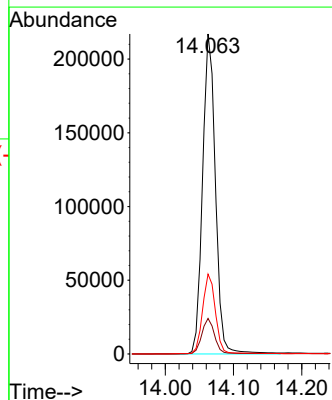
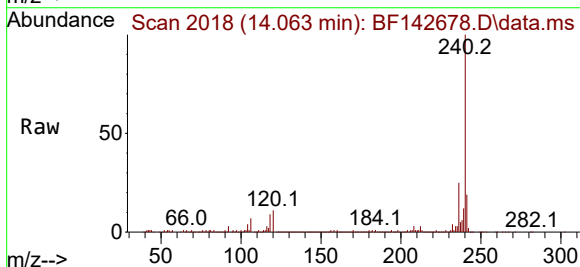
Instrument :
BNA_F
ClientSampleId :
TP03-MHC

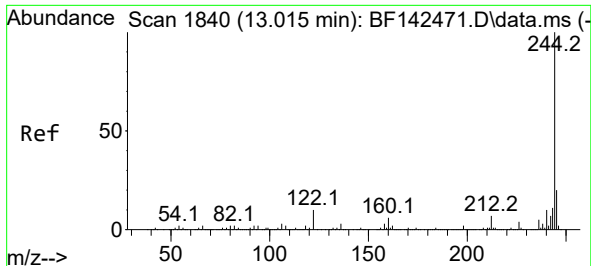
Tgt Ion:248 Resp: 11176
Ion Ratio Lower Upper
248 100
250 203.3 79.0 118.4#
141 455.4 58.4 87.6#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.063 min Scan# 2018
Delta R.T. -0.012 min
Lab File: BF142678.D
Acq: 07 Jun 2025 08:31

Tgt Ion:240 Resp: 285309
Ion Ratio Lower Upper
240 100
120 11.1 7.5 11.3
236 24.9 19.6 29.4

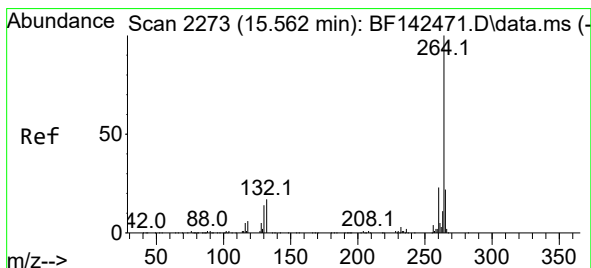
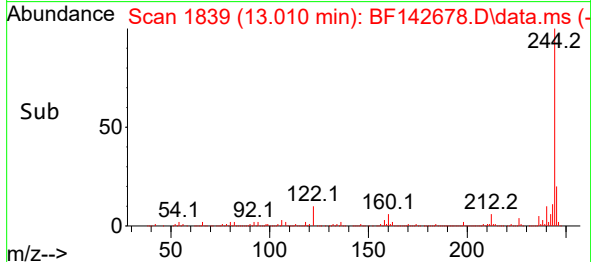
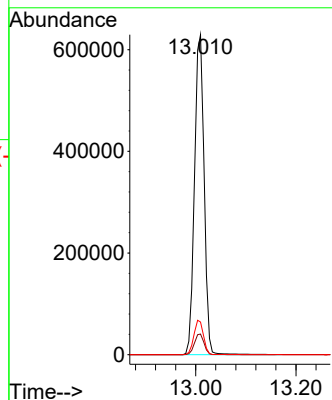
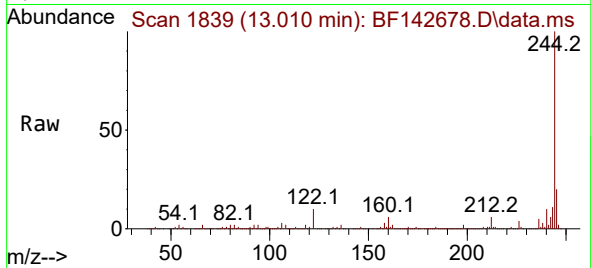




#79
Terphenyl-d14
Concen: 40.050 ng
RT: 13.010 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142678.D
Acq: 07 Jun 2025 08:31

Instrument :
BNA_F
ClientSampleId :
TP03-MHC

Tgt Ion:244 Resp: 836164
Ion Ratio Lower Upper
244 100
212 6.5 5.3 7.9
122 10.2 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: BF142678.D
Acq: 07 Jun 2025 08:31

Tgt Ion:264 Resp: 205643
Ion Ratio Lower Upper
264 100
260 23.5 18.6 28.0
265 21.4 17.7 26.5

