

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060625\
 Data File : BF142649.D
 Acq On : 06 Jun 2025 16:30
 Operator : RC/JU
 Sample : Q2207-28
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 BU-703-COMP-04

Quant Time: Jun 06 16:57:45 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)

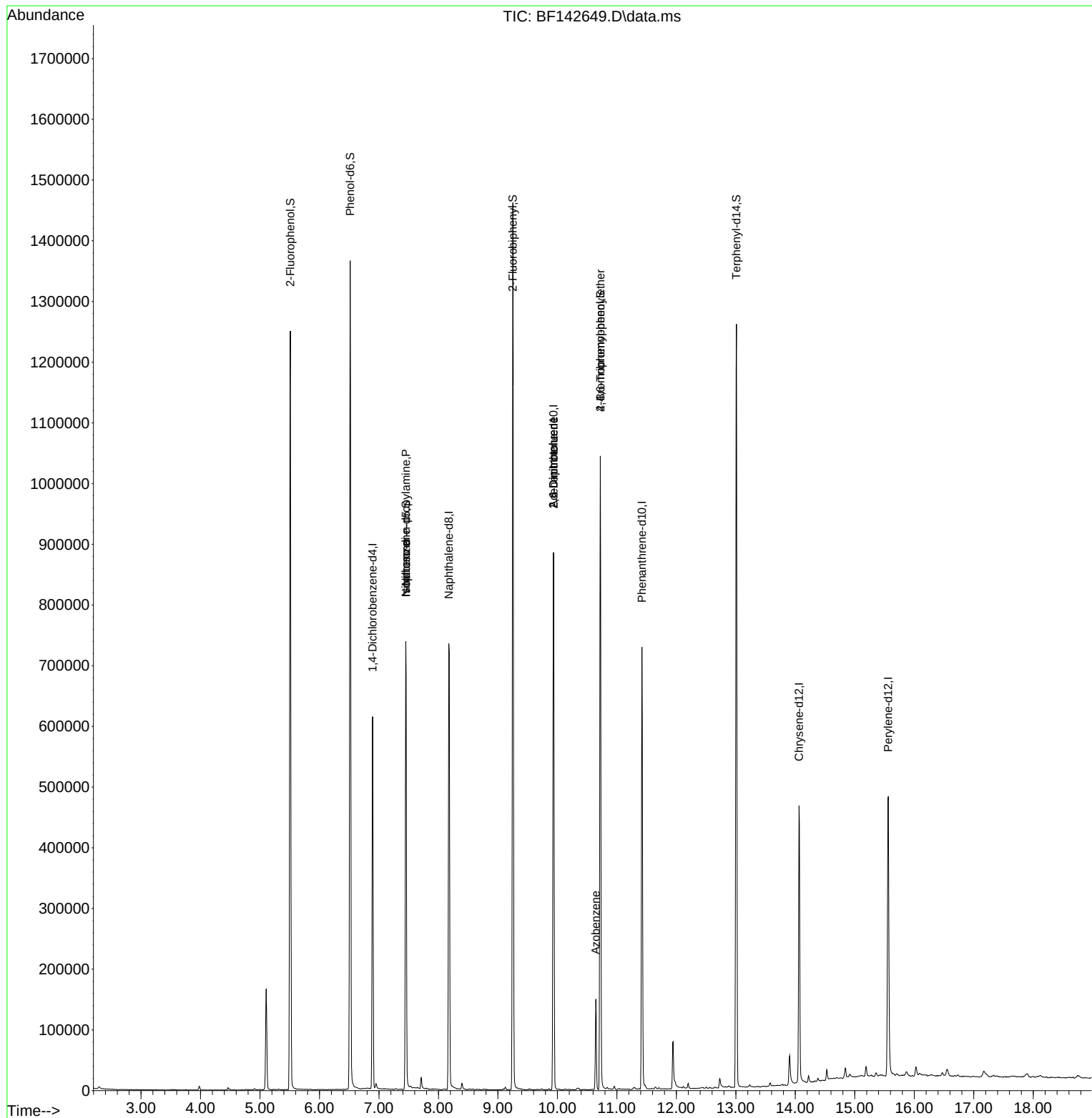
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.892	152	132823	20.000	ng	-0.01
21) Naphthalene-d8	8.175	136	511876	20.000	ng	-0.01
39) Acenaphthene-d10	9.933	164	264278	20.000	ng	-0.01
64) Phenanthrene-d10	11.421	188	390650	20.000	ng	-0.01
76) Chrysene-d12	14.062	240	247417	20.000	ng	-0.01
86) Perylene-d12	15.562	264	291616	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	490775	62.251	ng	0.00
7) Phenol-d6	6.516	99	654578	68.974	ng	-0.02
23) Nitrobenzene-d5	7.451	82	321840	34.285	ng	-0.02
42) 2,4,6-Tribromophenol	10.721	330	187274	63.847	ng	-0.02
45) 2-Fluorobiphenyl	9.251	172	653330	33.173	ng	-0.02
79) Terphenyl-d14	13.010	244	635059	35.076	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.451	70	41400	7.039	ng	# 79
25) Isophorone	7.451	82	309548	19.723	ng	# 63
51) 2,6-Dinitrotoluene	9.933	165	33613	8.931	ng	# 27
57) 2,4-Dinitrotoluene	9.933	165	33613	6.839	ng	# 28
63) Azobenzene	10.645	77	35042	2.291	ng	# 1
67) 4-Bromophenyl-phenylether	10.721	248	11321	2.451	ng	# 1

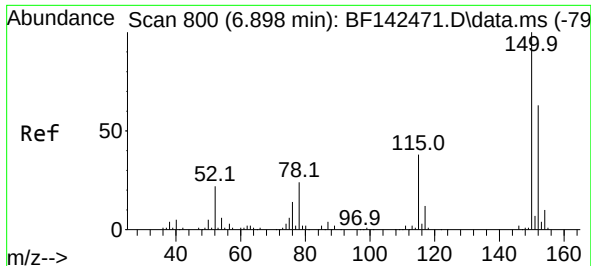
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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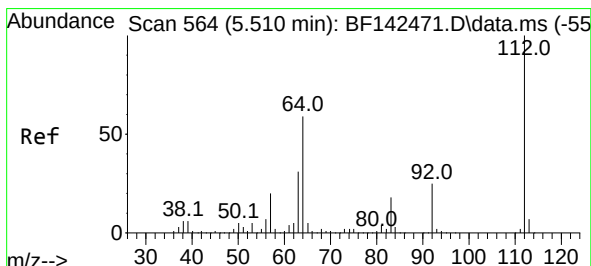
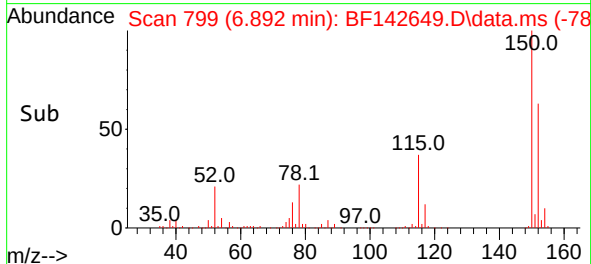
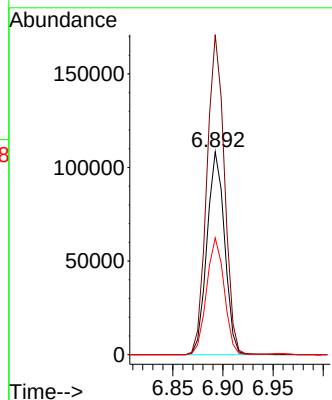
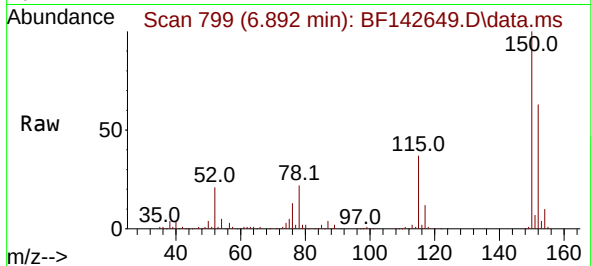




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.892 min Scan# 799
Delta R.T. -0.012 min
Lab File: BF142649.D
Acq: 06 Jun 2025 16:30

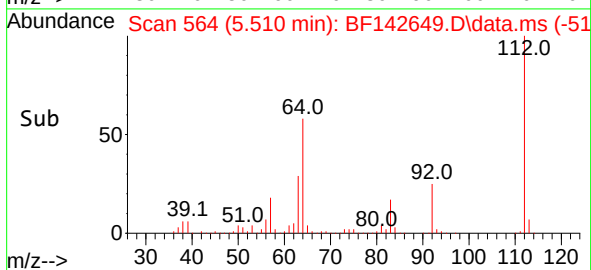
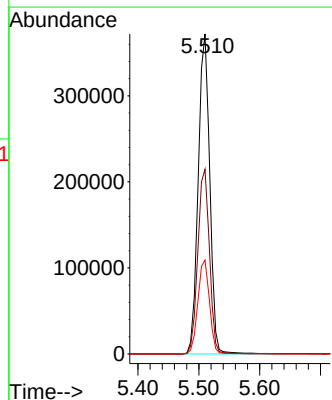
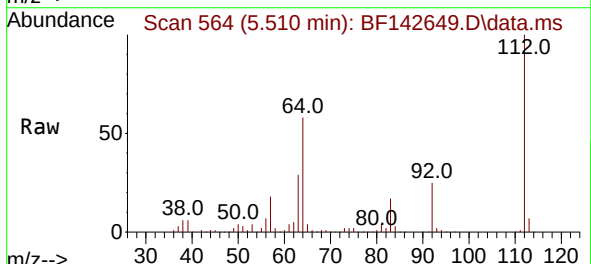
Instrument :
BNA_F
ClientSampleId :
BU-703-COMP-04

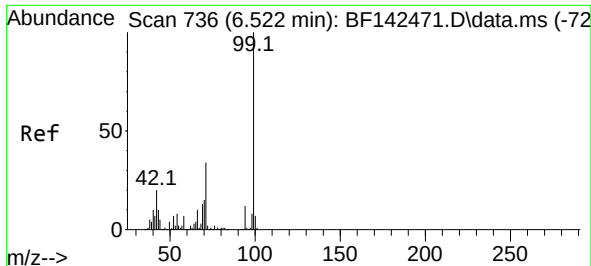
Tgt Ion:152 Resp: 132823
Ion Ratio Lower Upper
152 100
150 157.8 128.2 192.4
115 57.6 48.3 72.5



#5
2-Fluorophenol
Concen: 62.251 ng
RT: 5.510 min Scan# 564
Delta R.T. -0.006 min
Lab File: BF142649.D
Acq: 06 Jun 2025 16:30

Tgt Ion:112 Resp: 490775
Ion Ratio Lower Upper
112 100
64 57.7 47.5 71.3
63 29.4 24.9 37.3

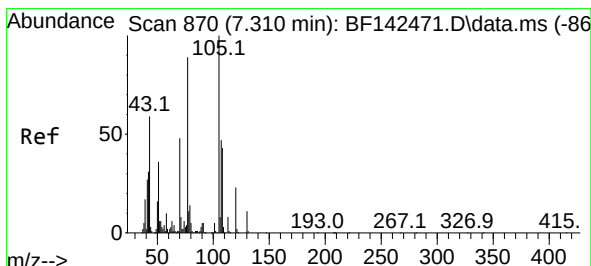
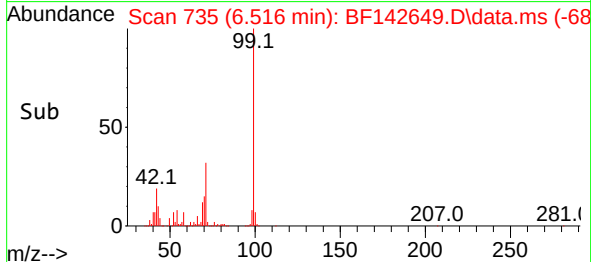
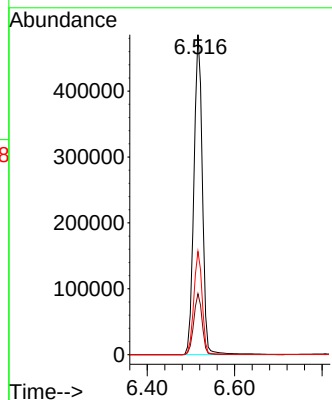
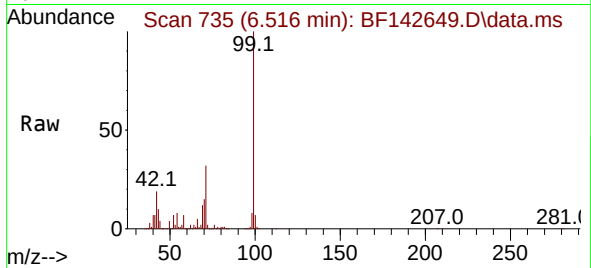




#7
Phenol-d6
Concen: 68.974 ng
RT: 6.516 min Scan# 71
Delta R.T. -0.018 min
Lab File: BF142649.D
Acq: 06 Jun 2025 16:30

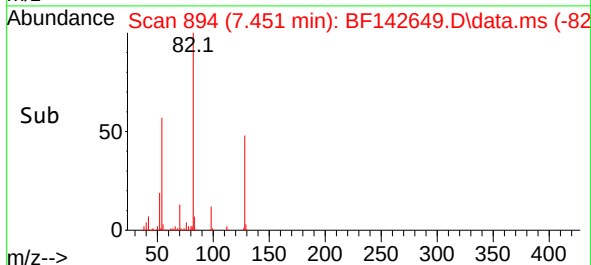
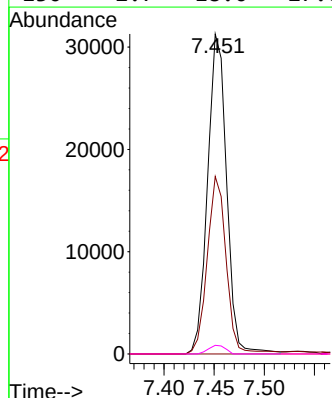
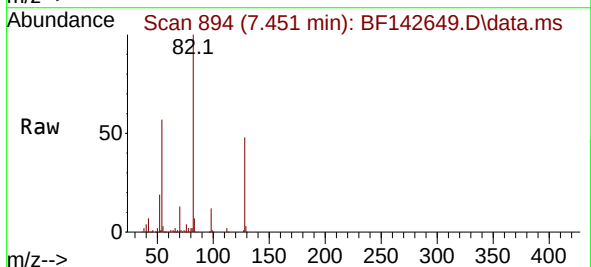
Instrument :
BNA_F
ClientSampleId :
BU-703-COMP-04

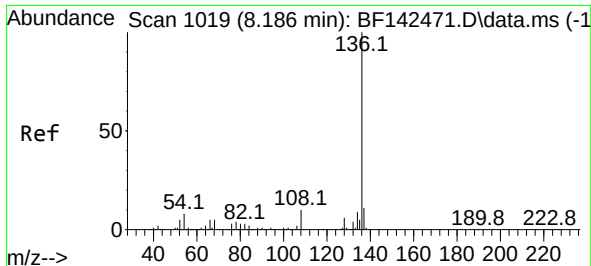
Tgt Ion: 99 Resp: 654578
Ion Ratio Lower Upper
99 100
42 19.0 16.2 24.2
71 32.2 27.3 40.9



#19
n-Nitroso-di-n-propylamine
Concen: 7.039 ng
RT: 7.451 min Scan# 894
Delta R.T. 0.124 min
Lab File: BF142649.D
Acq: 06 Jun 2025 16:30

Tgt Ion: 70 Resp: 41400
Ion Ratio Lower Upper
70 100
42 55.5 52.4 78.6
101 0.0 7.8 11.8#
130 2.7 18.0 27.0#



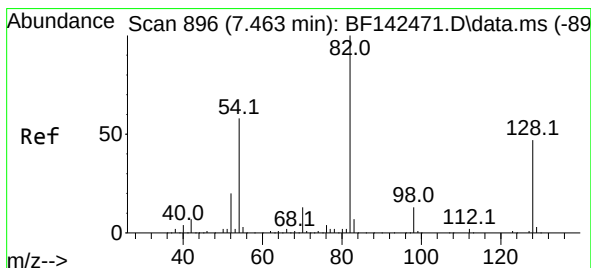
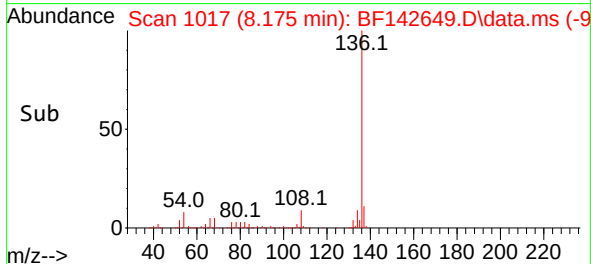
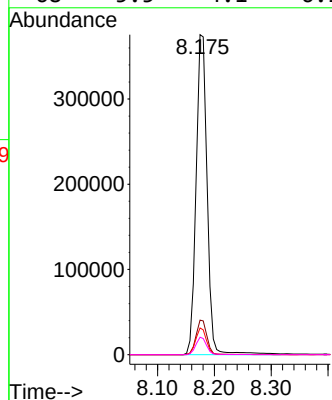
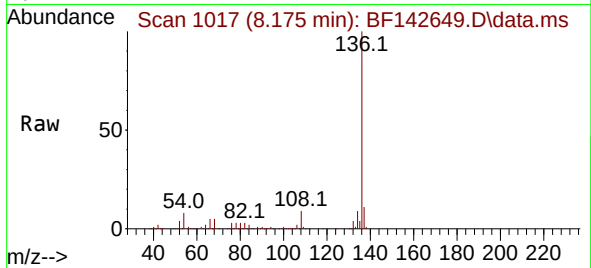


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.175 min Scan# 1017
Delta R.T. -0.012 min
Lab File: BF142649.D
Acq: 06 Jun 2025 16:30

Instrument :
BNA_F
ClientSampleId :
BU-703-COMP-04

Tgt Ion:136 Resp: 511876

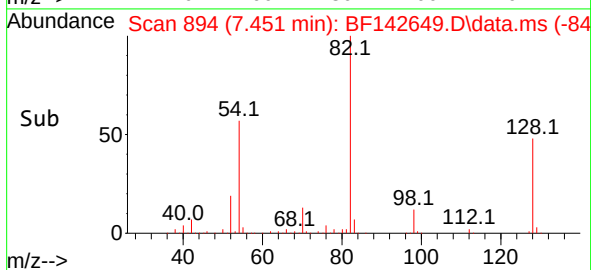
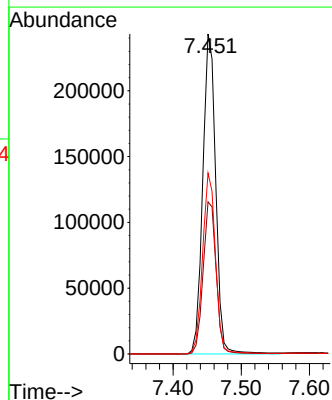
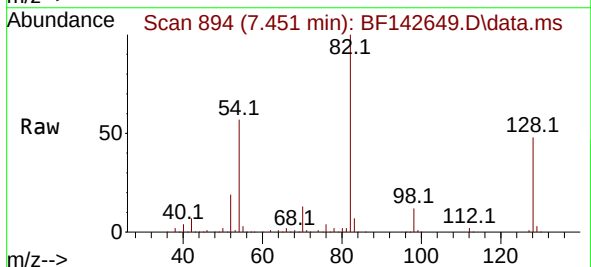
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.6	13.0
54	8.4	6.6	10.0
68	5.5	4.1	6.1

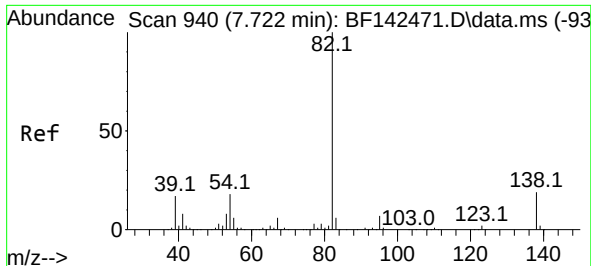


#23
Nitrobenzene-d5
Concen: 34.285 ng
RT: 7.451 min Scan# 894
Delta R.T. -0.024 min
Lab File: BF142649.D
Acq: 06 Jun 2025 16:30

Tgt Ion: 82 Resp: 321840

Ion	Ratio	Lower	Upper
82	100		
128	47.6	37.4	56.2
54	56.6	46.6	70.0

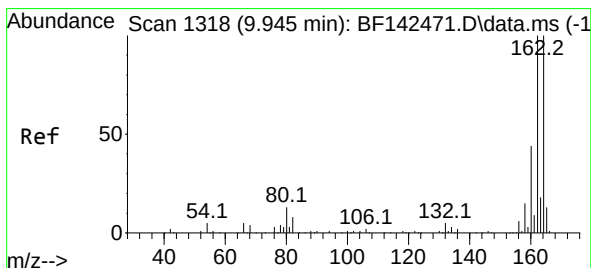
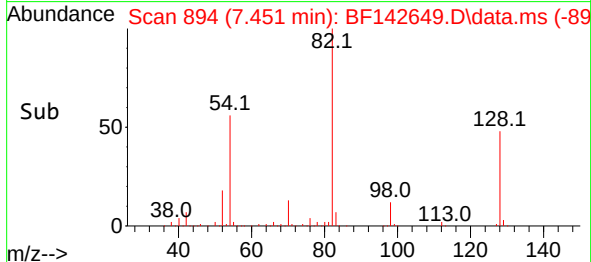
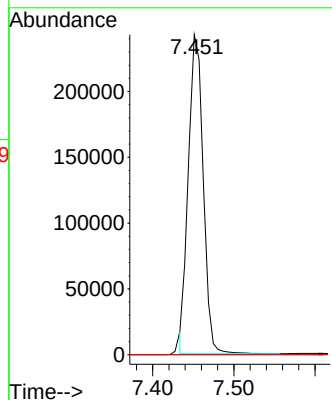
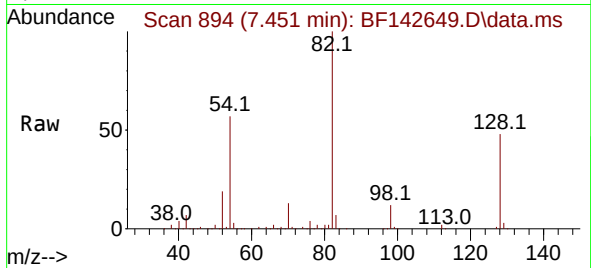




#25
Isophorone
Concen: 19.723 ng
RT: 7.451 min Scan# 894
Delta R.T. -0.282 min
Lab File: BF142649.D
Acq: 06 Jun 2025 16:30

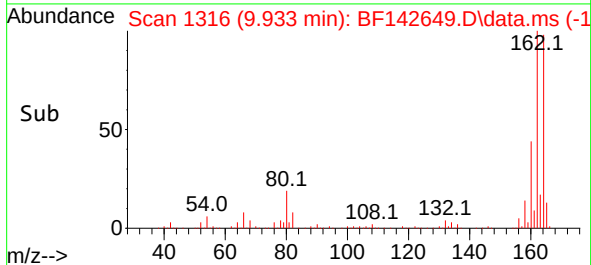
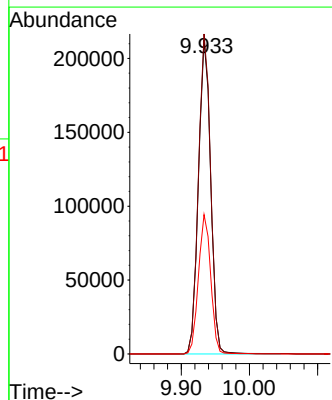
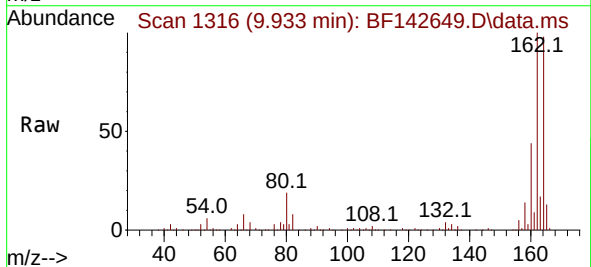
Instrument :
BNA_F
ClientSampleId :
BU-703-COMP-04

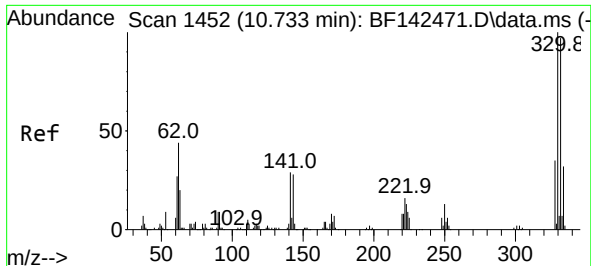
Tgt Ion: 82 Resp: 309548
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 15.5 23.3#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.933 min Scan# 1316
Delta R.T. -0.012 min
Lab File: BF142649.D
Acq: 06 Jun 2025 16:30

Tgt Ion:164 Resp: 264278
Ion Ratio Lower Upper
164 100
162 101.9 80.2 120.4
160 44.4 35.6 53.4





#42

2,4,6-Tribromophenol

Concen: 63.847 ng

RT: 10.721 min Scan# 1452

Delta R.T. -0.018 min

Lab File: BF142649.D

Acq: 06 Jun 2025 16:30

Instrument :

BNA_F

ClientSampleId :

BU-703-COMP-04

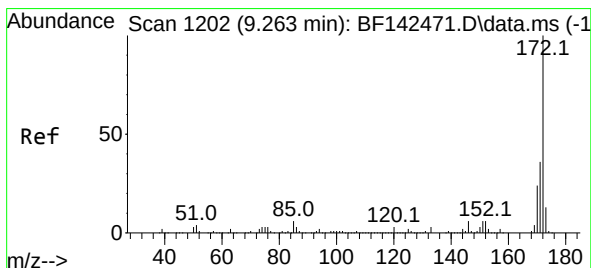
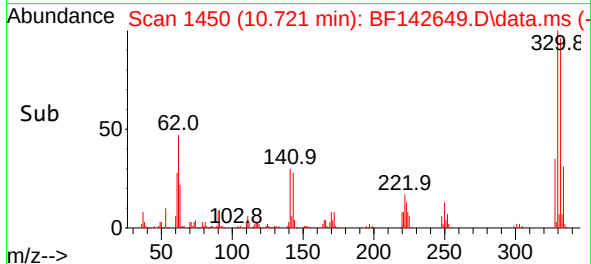
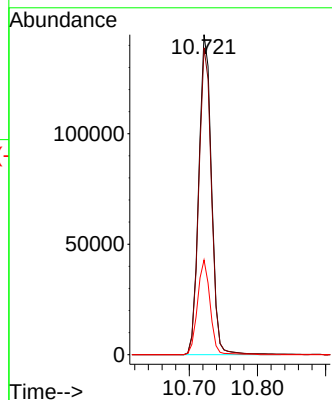
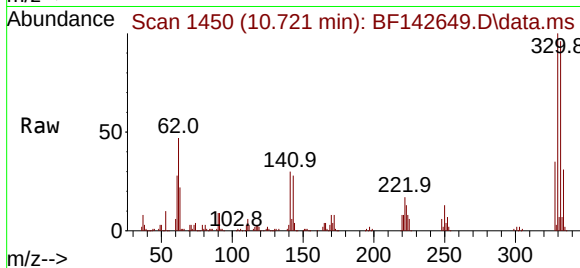
Tgt Ion:330 Resp: 187274

Ion Ratio Lower Upper

330 100

332 95.9 77.6 116.4

141 29.3 24.6 36.8



#45

2-Fluorobiphenyl

Concen: 33.173 ng

RT: 9.251 min Scan# 1200

Delta R.T. -0.018 min

Lab File: BF142649.D

Acq: 06 Jun 2025 16:30

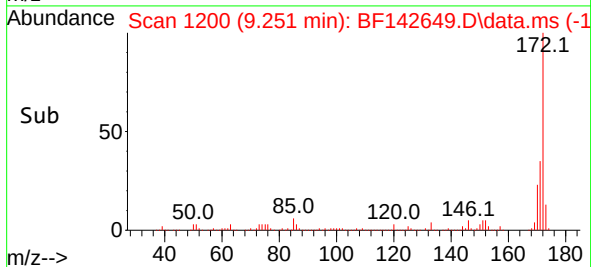
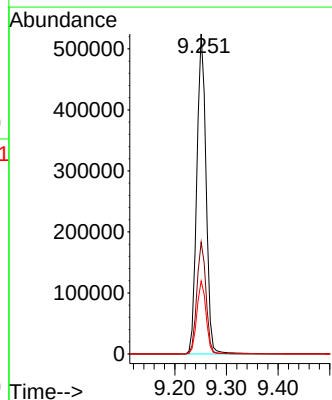
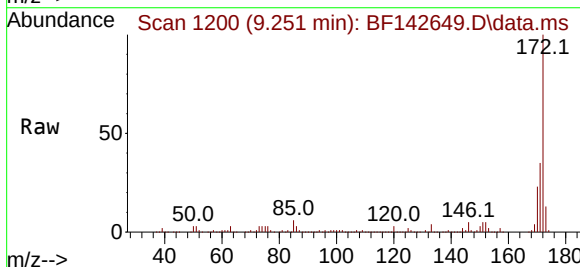
Tgt Ion:172 Resp: 653330

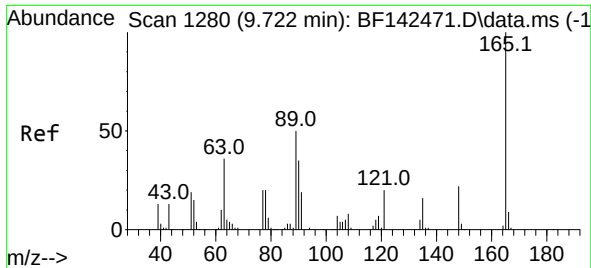
Ion Ratio Lower Upper

172 100

171 35.0 28.6 42.8

170 22.8 18.9 28.3





#51

2,6-Dinitrotoluene

Concen: 8.931 ng

RT: 9.933 min Scan# 11

Delta R.T. 0.206 min

Lab File: BF142649.D

Acq: 06 Jun 2025 16:30

Instrument :

BNA_F

ClientSampleId :

BU-703-COMP-04

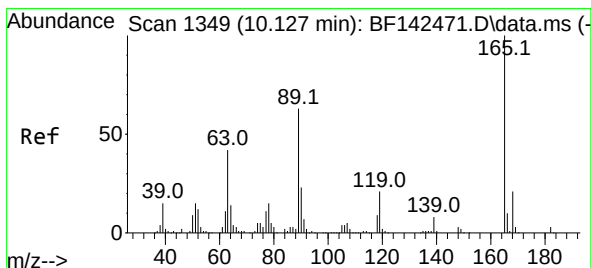
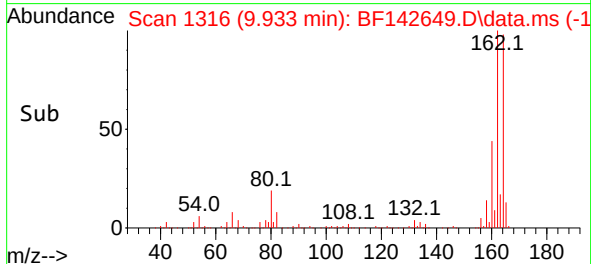
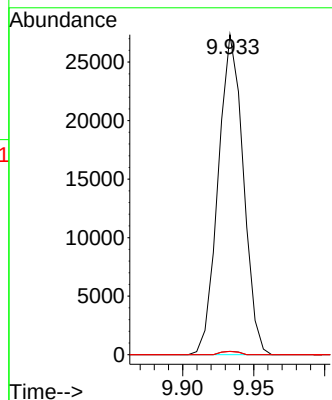
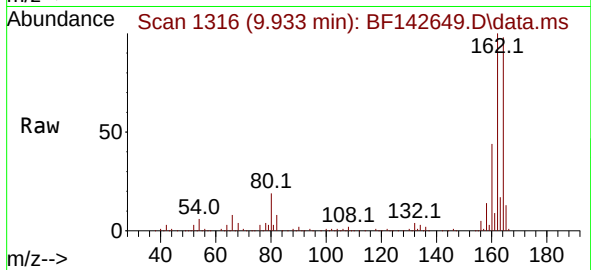
Tgt Ion:165 Resp: 33613

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: 6.839 ng

RT: 9.933 min Scan# 1316

Delta R.T. -0.200 min

Lab File: BF142649.D

Acq: 06 Jun 2025 16:30

Tgt Ion:165 Resp: 33613

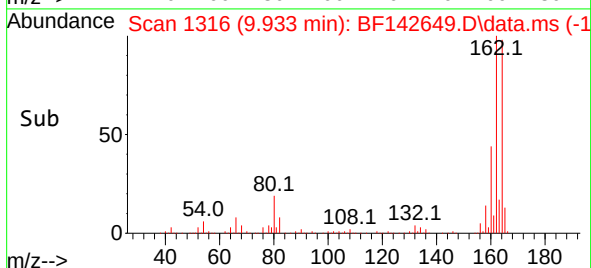
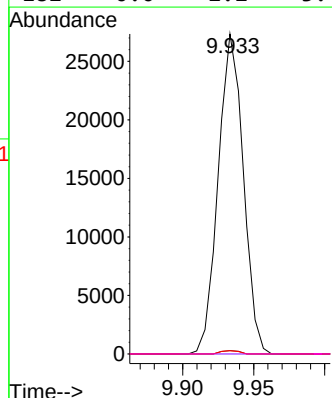
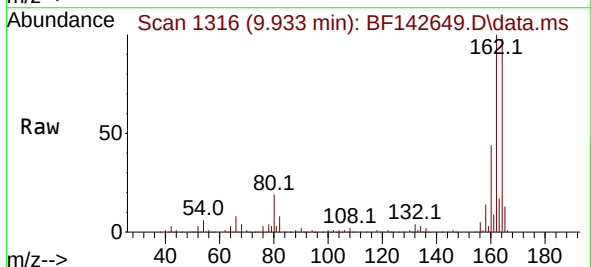
Ion Ratio Lower Upper

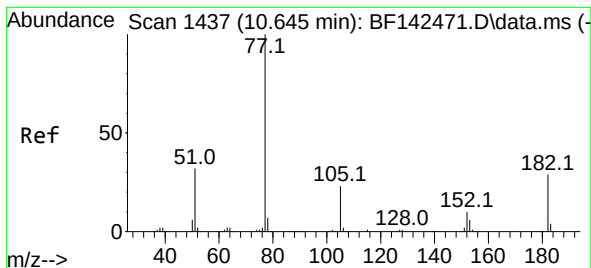
165 100

63 1.0 33.6 50.4#

89 1.0 50.2 75.4#

182 0.0 2.2 3.4#





#63

Azobenzene

Concen: 2.291 ng

RT: 10.645 min Scan# 14

Delta R.T. -0.000 min

Lab File: BF142649.D

Acq: 06 Jun 2025 16:30

Instrument :

BNA_F

ClientSampleId :

BU-703-COMP-04

Tgt Ion: 77 Resp: 35042

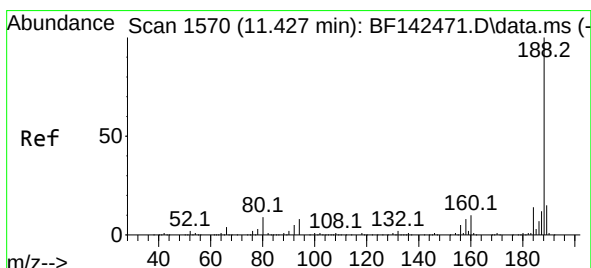
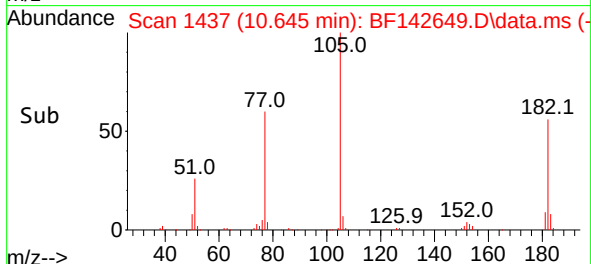
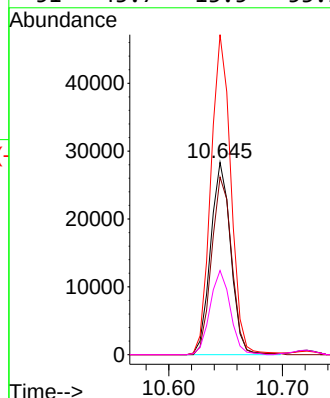
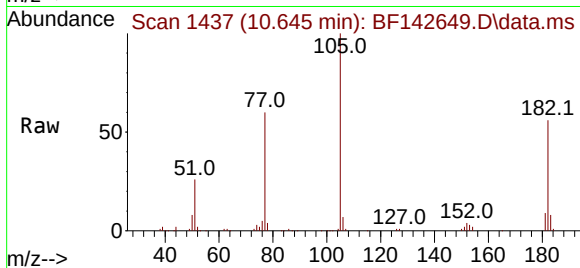
Ion Ratio Lower Upper

77 100

182 92.4 9.0 49.0#

105 166.4 2.4 42.4#

51 43.7 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: BF142649.D

Acq: 06 Jun 2025 16:30

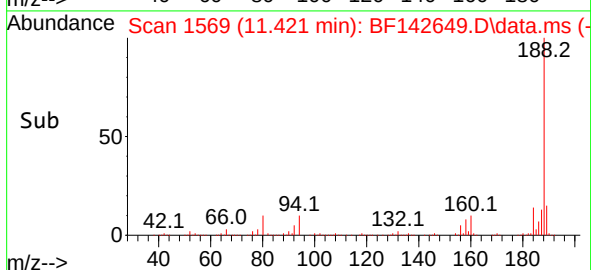
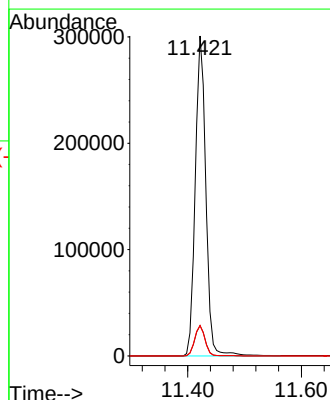
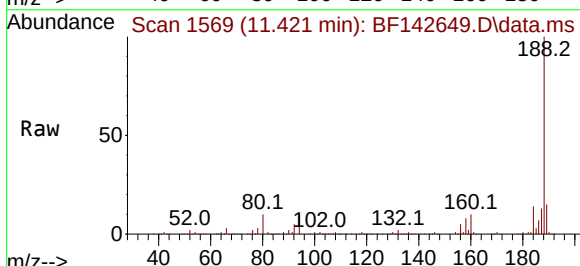
Tgt Ion:188 Resp: 390650

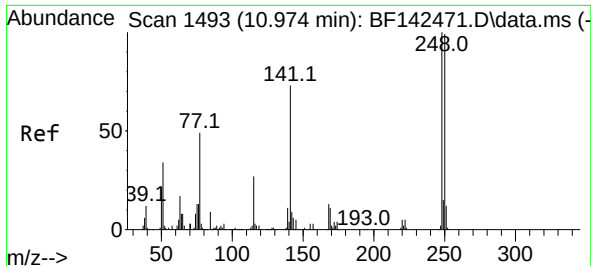
Ion Ratio Lower Upper

188 100

94 9.5 6.6 10.0

80 9.5 7.4 11.0

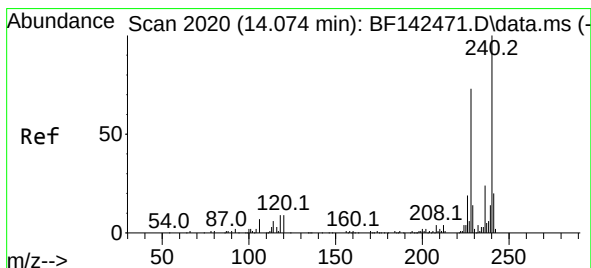
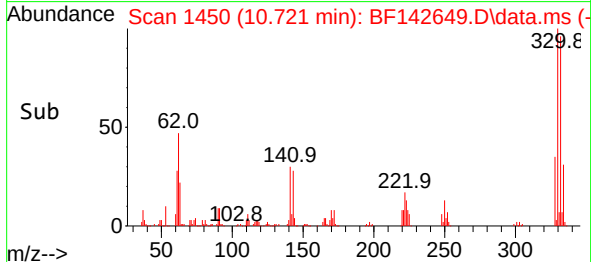
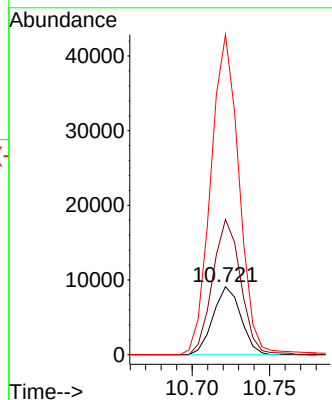
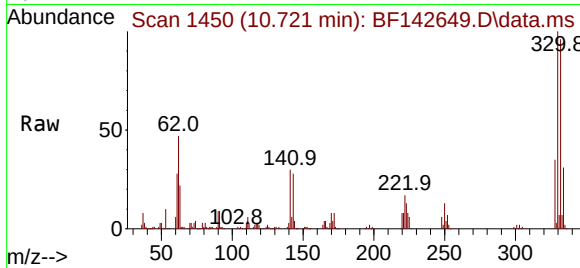




#67
4-Bromophenyl-phenylether
Concen: 2.451 ng
RT: 10.721 min Scan# 1493
Delta R.T. -0.253 min
Lab File: BF142649.D
Acq: 06 Jun 2025 16:30

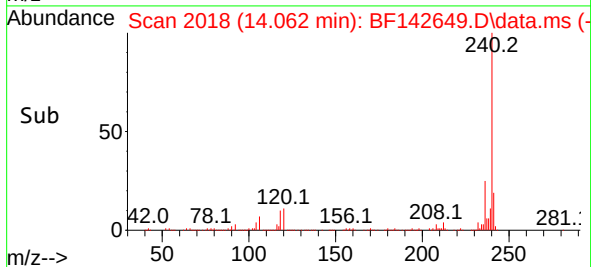
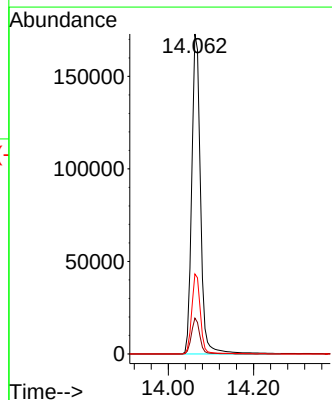
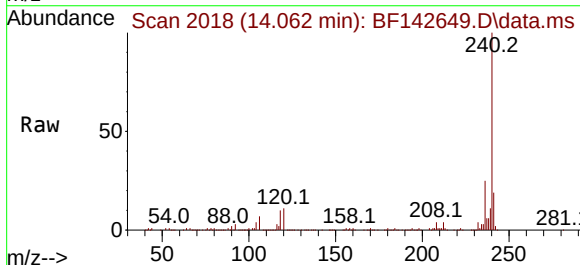
Instrument :
BNA_F
ClientSampleId :
BU-703-COMP-04

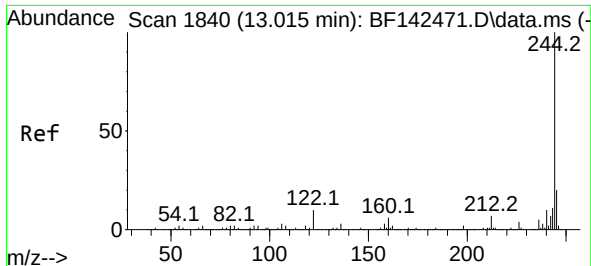
Tgt Ion:248 Resp: 11321
Ion Ratio Lower Upper
248 100
250 198.8 79.0 118.4#
141 470.4 58.4 87.6#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.062 min Scan# 2018
Delta R.T. -0.012 min
Lab File: BF142649.D
Acq: 06 Jun 2025 16:30

Tgt Ion:240 Resp: 247417
Ion Ratio Lower Upper
240 100
120 11.2 7.5 11.3
236 25.0 19.6 29.4

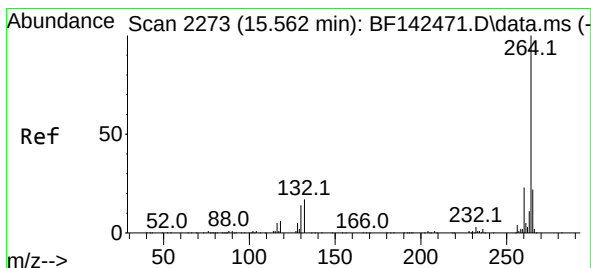
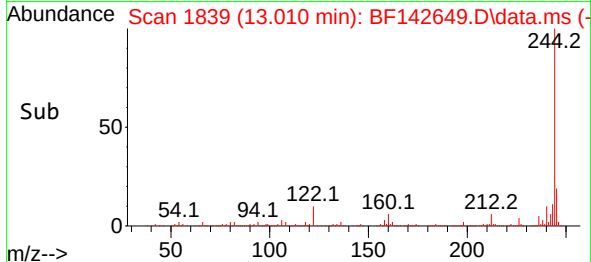
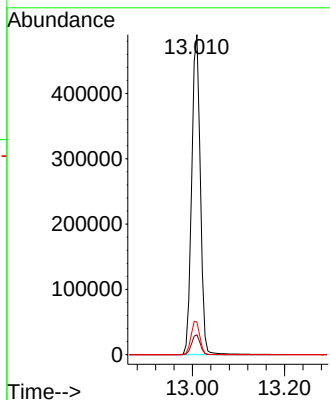
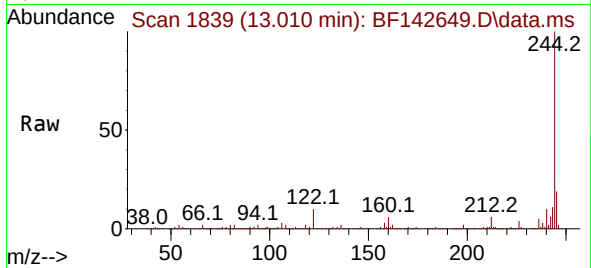




#79
 Terphenyl-d14
 Concen: 35.076 ng
 RT: 13.010 min Scan# 1839
 Delta R.T. -0.006 min
 Lab File: BF142649.D
 Acq: 06 Jun 2025 16:30

Instrument :
 BNA_F
 ClientSampleId :
 BU-703-COMP-04

Tgt Ion:244 Resp: 635059
 Ion Ratio Lower Upper
 244 100
 212 6.2 5.3 7.9
 122 10.2 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: BF142649.D
 Acq: 06 Jun 2025 16:30

Tgt Ion:264 Resp: 291616
 Ion Ratio Lower Upper
 264 100
 260 23.4 18.6 28.0
 265 21.9 17.7 26.5

