

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060625\
 Data File : BF142643.D
 Acq On : 06 Jun 2025 13:24
 Operator : RC/JU
 Sample : Q2207-37
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 BU-703-COMP-05

Quant Time: Jun 06 13:46:47 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)

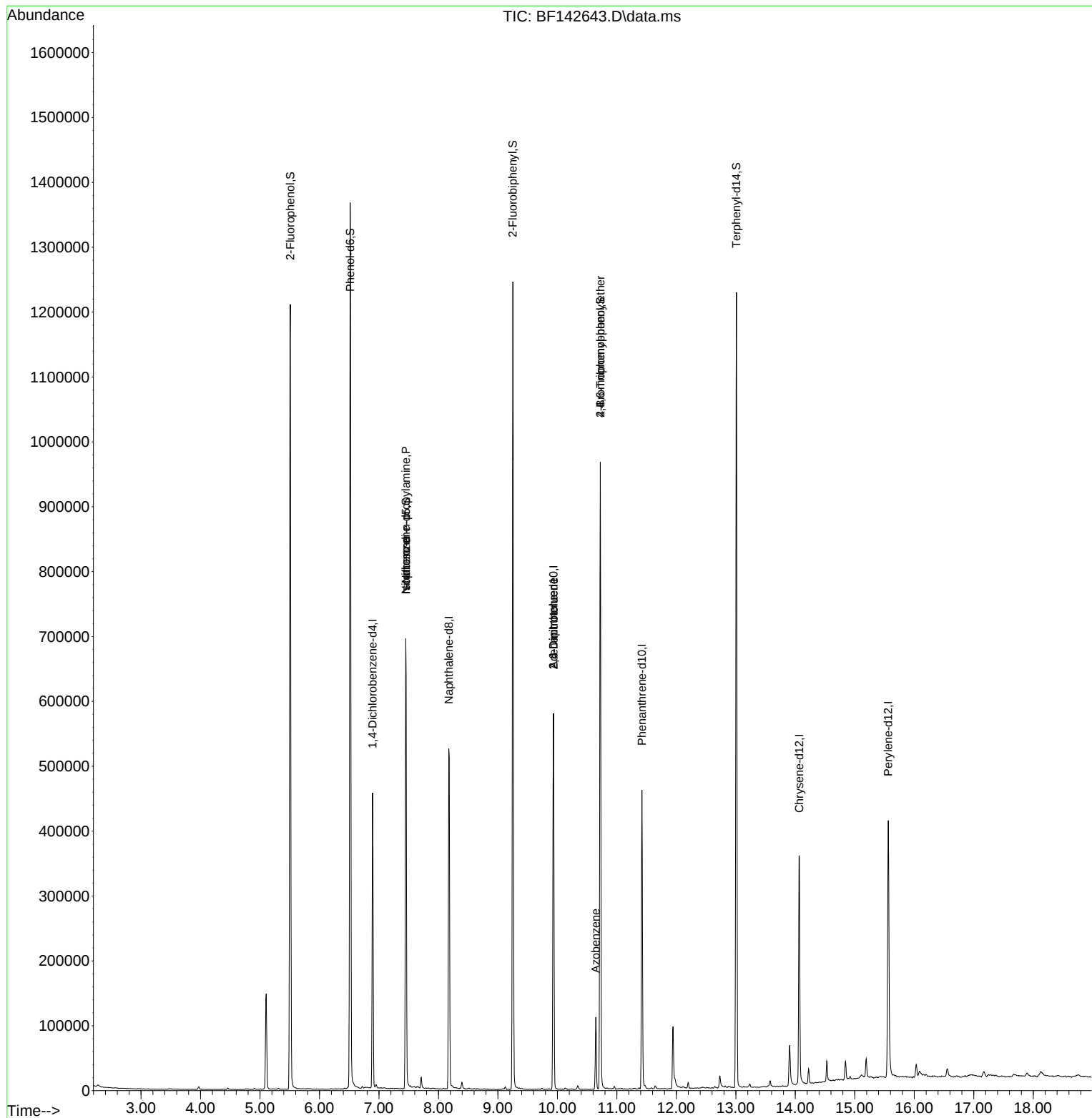
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.892	152	98109	20.000	ng	-0.01
21) Naphthalene-d8	8.175	136	362453	20.000	ng	-0.01
39) Acenaphthene-d10	9.933	164	172157	20.000	ng	-0.01
64) Phenanthrene-d10	11.421	188	250790	20.000	ng	-0.01
76) Chrysene-d12	14.068	240	196926	20.000	ng	0.00
86) Perylene-d12	15.562	264	252548	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	477488	81.996	ng	0.00
7) Phenol-d6	6.516	99	657896	93.852	ng	-0.02
23) Nitrobenzene-d5	7.451	82	299349	45.035	ng	-0.02
42) 2,4,6-Tribromophenol	10.722	330	169367	88.640	ng	-0.02
45) 2-Fluorobiphenyl	9.251	172	558167	43.506	ng	-0.02
79) Terphenyl-d14	13.010	244	599213	41.582	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.451	70	39255	9.036	ng	# 78
25) Isophorone	7.451	82	288798	25.987	ng	# 63
51) 2,6-Dinitrotoluene	9.933	165	22363	9.121	ng	# 28
57) 2,4-Dinitrotoluene	9.933	165	22363	6.984	ng	# 28
63) Azobenzene	10.645	77	26034	2.613	ng	# 1
67) 4-Bromophenyl-phenylether	10.722	248	10559	3.561	ng	# 1

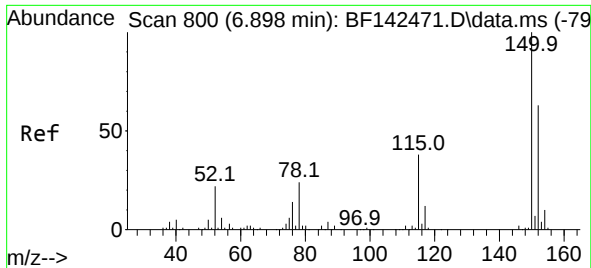
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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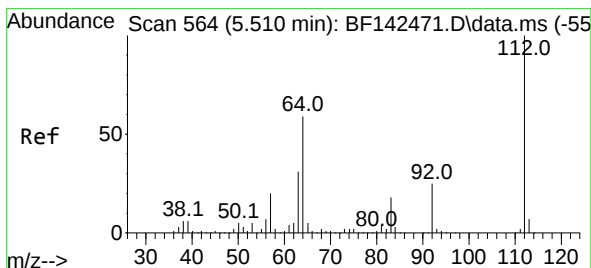
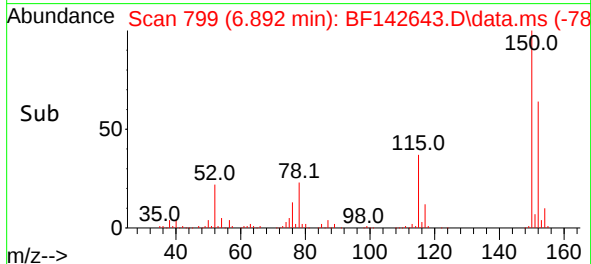
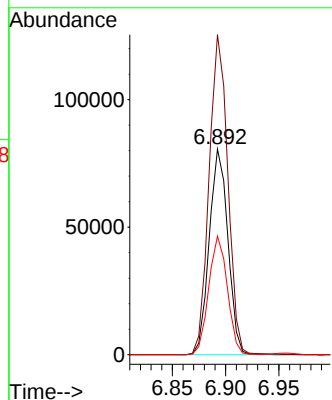
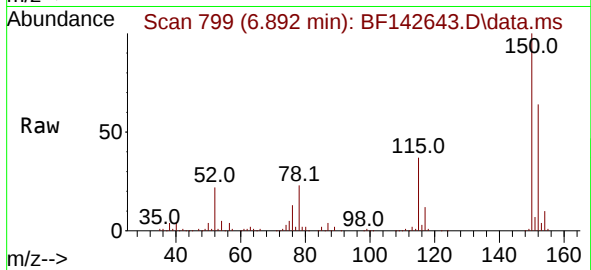




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.892 min Scan# 79
Delta R.T. -0.012 min
Lab File: BF142643.D
Acq: 06 Jun 2025 13:24

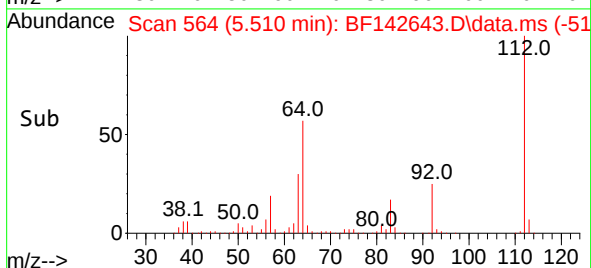
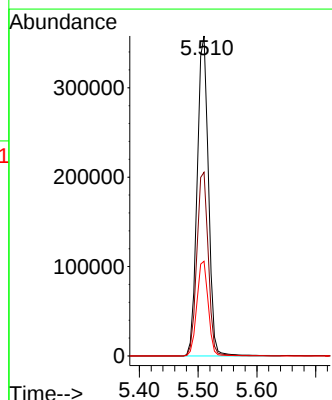
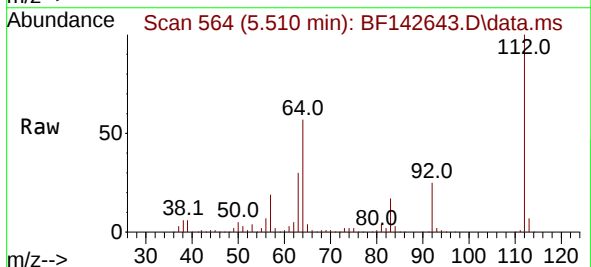
Instrument :
BNA_F
ClientSampleId :
BU-703-COMP-05

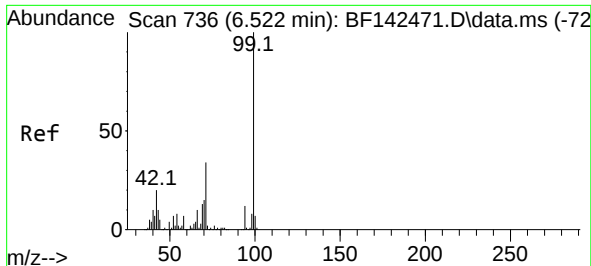
Tgt Ion:152 Resp: 98109
Ion Ratio Lower Upper
152 100
150 155.7 128.2 192.4
115 57.7 48.3 72.5



#5
2-Fluorophenol
Concen: 81.996 ng
RT: 5.510 min Scan# 564
Delta R.T. -0.006 min
Lab File: BF142643.D
Acq: 06 Jun 2025 13:24

Tgt Ion:112 Resp: 477488
Ion Ratio Lower Upper
112 100
64 57.4 47.5 71.3
63 29.6 24.9 37.3

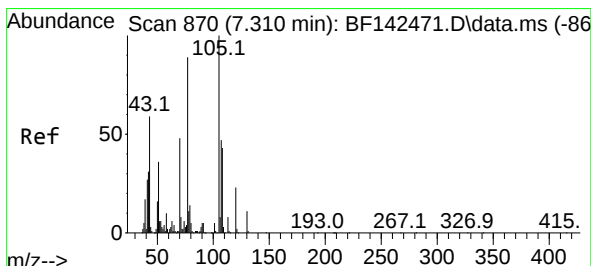
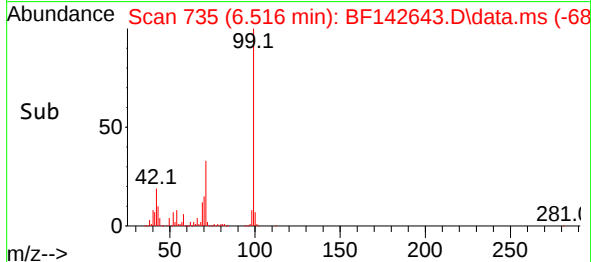
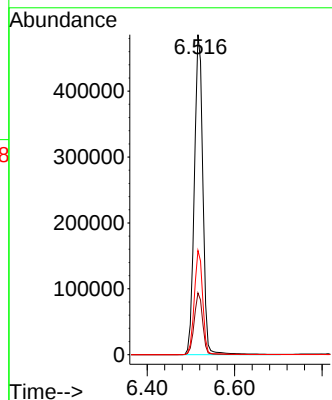
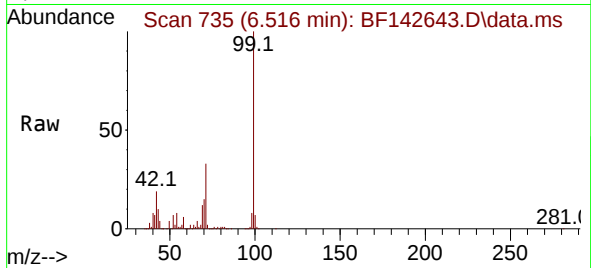




#7
Phenol-d6
Concen: 93.852 ng
RT: 6.516 min Scan# 71
Delta R.T. -0.018 min
Lab File: BF142643.D
Acq: 06 Jun 2025 13:24

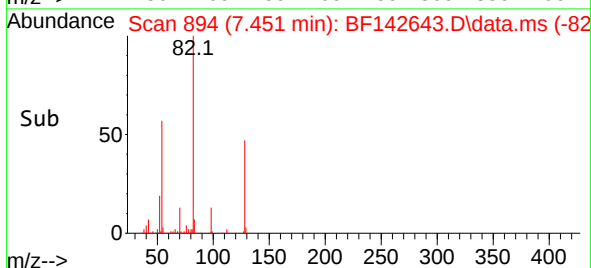
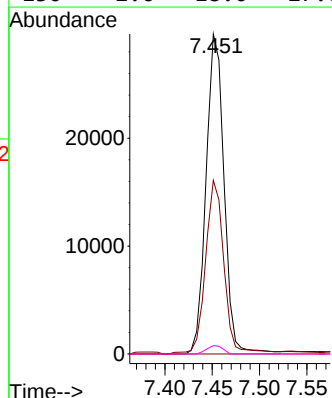
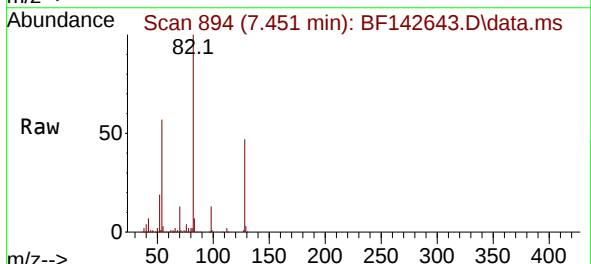
Instrument :
BNA_F
ClientSampleId :
BU-703-COMP-05

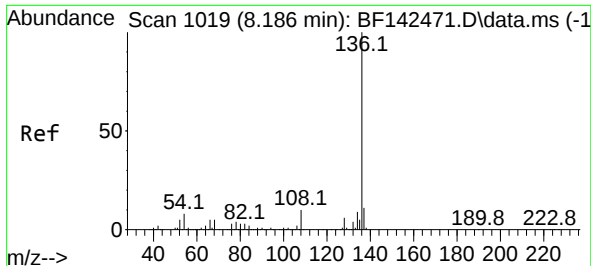
Tgt Ion: 99 Resp: 657896
Ion Ratio Lower Upper
99 100
42 19.3 16.2 24.2
71 32.5 27.3 40.9



#19
n-Nitroso-di-n-propylamine
Concen: 9.036 ng
RT: 7.451 min Scan# 894
Delta R.T. 0.124 min
Lab File: BF142643.D
Acq: 06 Jun 2025 13:24

Tgt Ion: 70 Resp: 39255
Ion Ratio Lower Upper
70 100
42 54.3 52.4 78.6
101 0.0 7.8 11.8#
130 2.6 18.0 27.0#

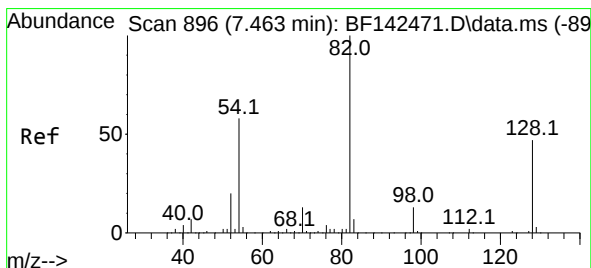
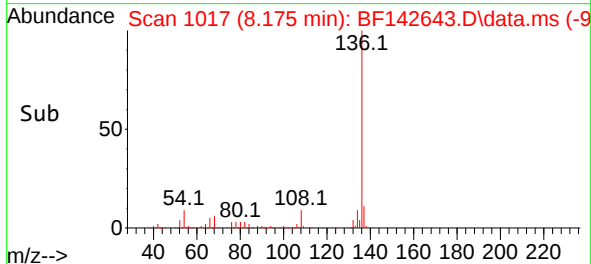
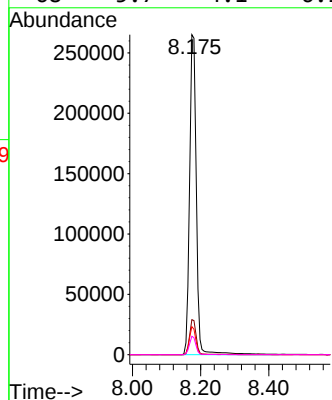
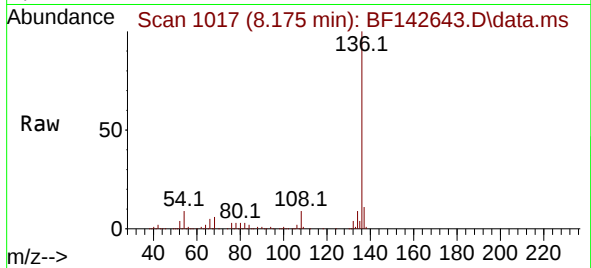




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.175 min Scan# 1019
Delta R.T. -0.012 min
Lab File: BF142643.D
Acq: 06 Jun 2025 13:24

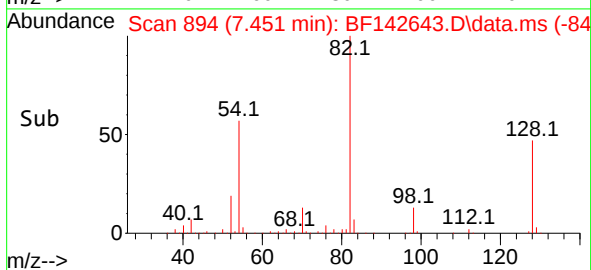
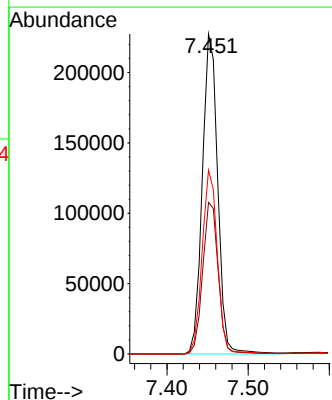
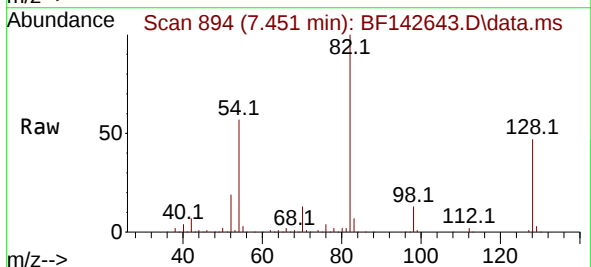
Instrument :
BNA_F
ClientSampleId :
BU-703-COMP-05

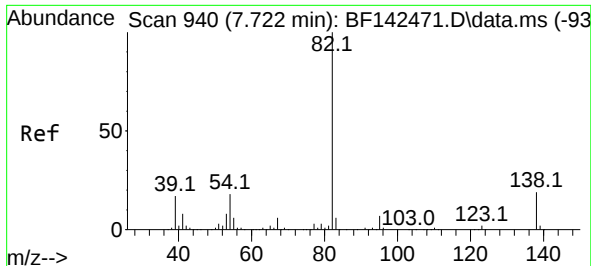
Tgt Ion:136 Resp: 362453
Ion Ratio Lower Upper
136 100
137 11.0 8.6 13.0
54 8.8 6.6 10.0
68 5.7 4.1 6.1



#23
Nitrobenzene-d5
Concen: 45.035 ng
RT: 7.451 min Scan# 894
Delta R.T. -0.024 min
Lab File: BF142643.D
Acq: 06 Jun 2025 13:24

Tgt Ion: 82 Resp: 299349
Ion Ratio Lower Upper
82 100
128 47.4 37.4 56.2
54 57.4 46.6 70.0

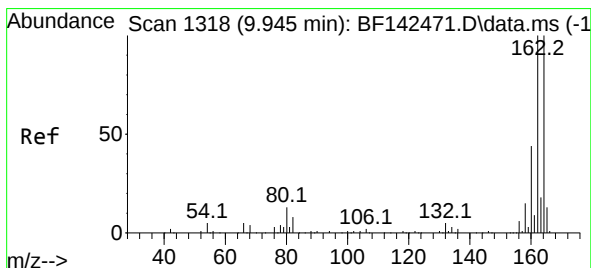
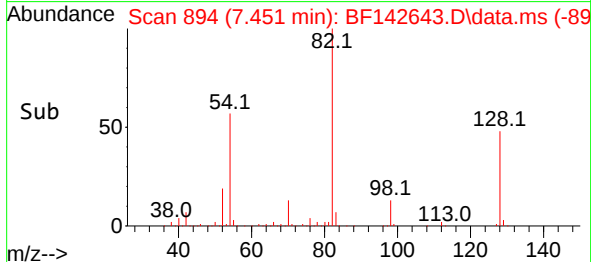
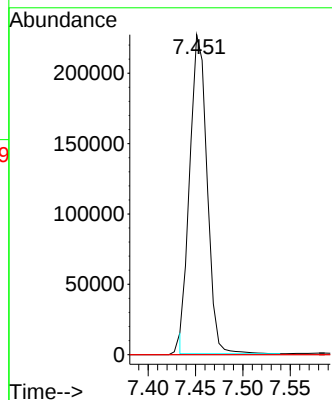
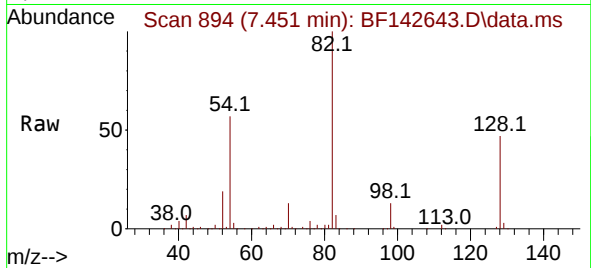




#25
Isophorone
Concen: 25.987 ng
RT: 7.451 min Scan# 894
Delta R.T. -0.282 min
Lab File: BF142643.D
Acq: 06 Jun 2025 13:24

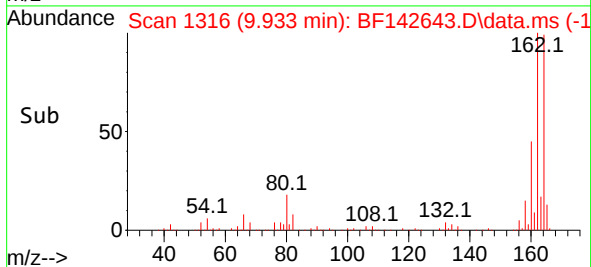
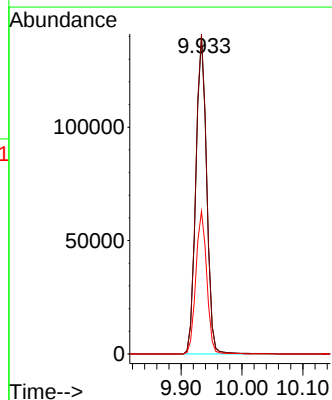
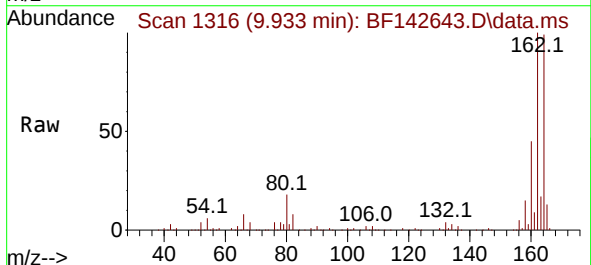
Instrument :
BNA_F
ClientSampleId :
BU-703-COMP-05

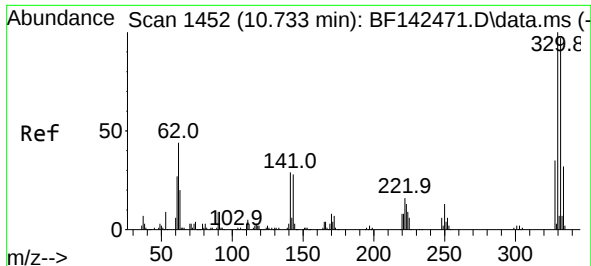
Tgt Ion: 82 Resp: 288798
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 15.5 23.3#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.933 min Scan# 1316
Delta R.T. -0.012 min
Lab File: BF142643.D
Acq: 06 Jun 2025 13:24

Tgt Ion:164 Resp: 172157
Ion Ratio Lower Upper
164 100
162 101.3 80.2 120.4
160 45.2 35.6 53.4





#42

2,4,6-Tribromophenol

Concen: 88.640 ng

RT: 10.722 min Scan# 1452

Delta R.T. -0.018 min

Lab File: BF142643.D

Acq: 06 Jun 2025 13:24

Instrument :

BNA_F

ClientSampleId :

BU-703-COMP-05

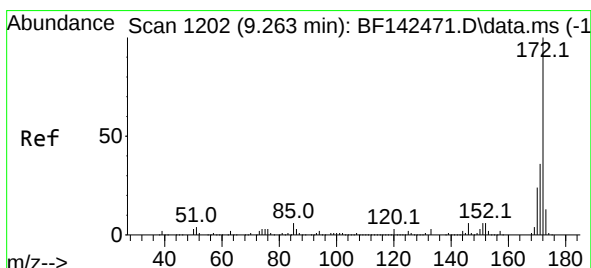
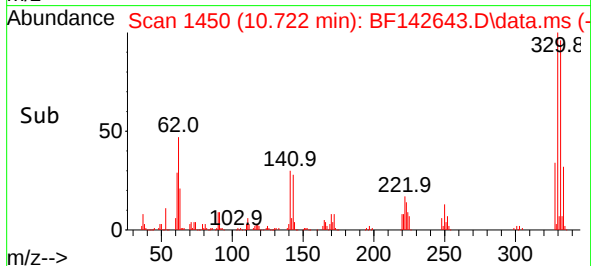
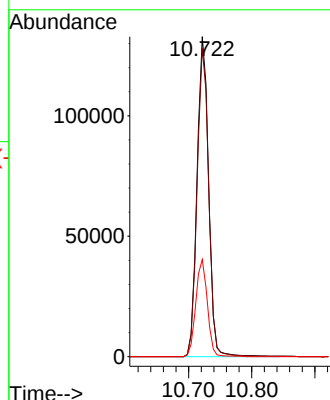
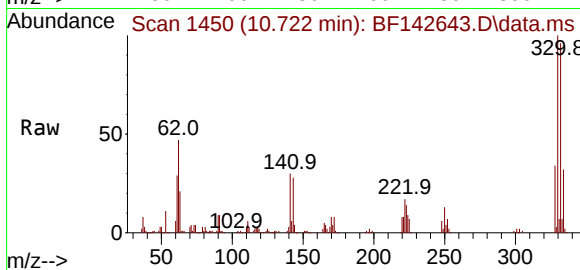
Tgt Ion:330 Resp: 169367

Ion Ratio Lower Upper

330 100

332 96.4 77.6 116.4

141 30.3 24.6 36.8



#45

2-Fluorobiphenyl

Concen: 43.506 ng

RT: 9.251 min Scan# 1200

Delta R.T. -0.018 min

Lab File: BF142643.D

Acq: 06 Jun 2025 13:24

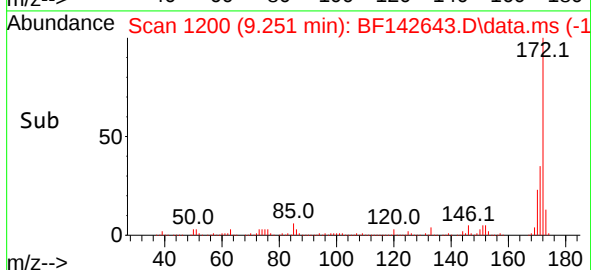
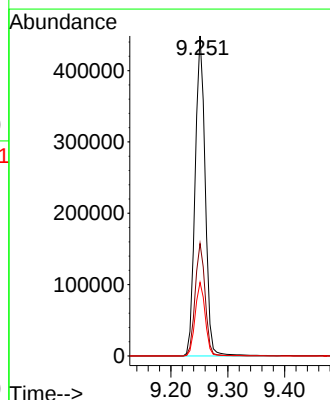
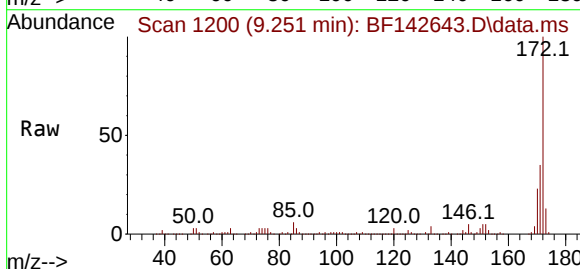
Tgt Ion:172 Resp: 558167

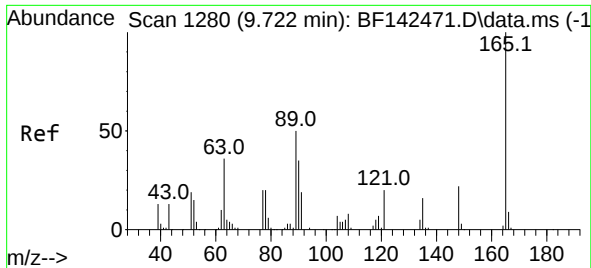
Ion Ratio Lower Upper

172 100

171 35.1 28.6 42.8

170 23.0 18.9 28.3





#51

2,6-Dinitrotoluene

Concen: 9.121 ng

RT: 9.933 min Scan# 11

Delta R.T. 0.206 min

Lab File: BF142643.D

Acq: 06 Jun 2025 13:24

Instrument :

BNA_F

ClientSampleId :

BU-703-COMP-05

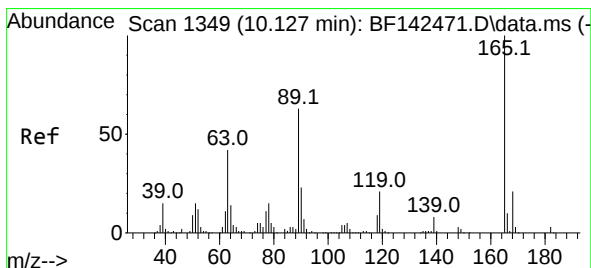
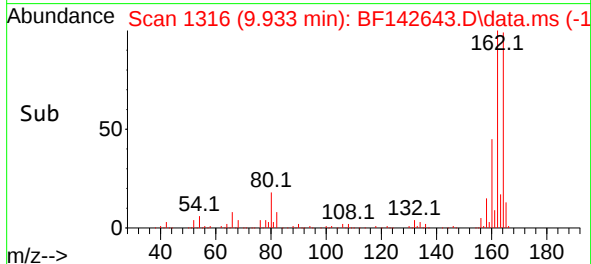
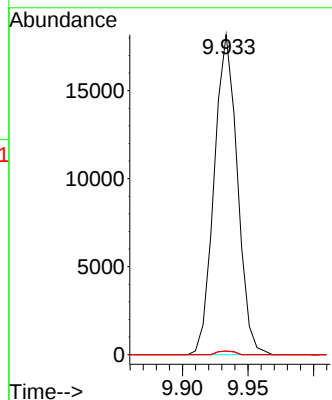
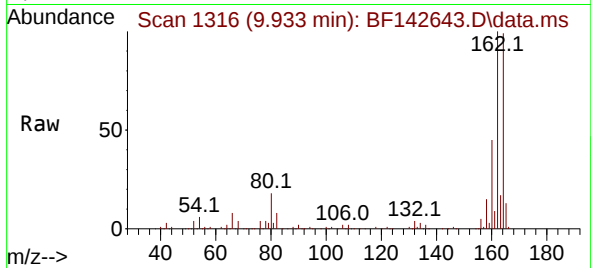
Tgt Ion:165 Resp: 22363

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: 6.984 ng

RT: 9.933 min Scan# 1316

Delta R.T. -0.200 min

Lab File: BF142643.D

Acq: 06 Jun 2025 13:24

Tgt Ion:165 Resp: 22363

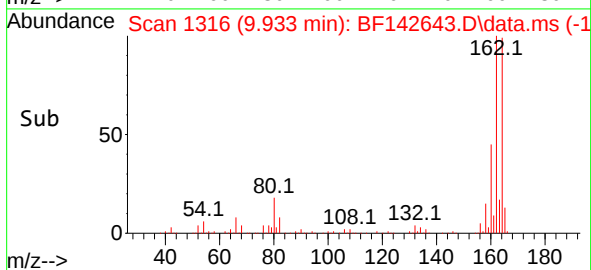
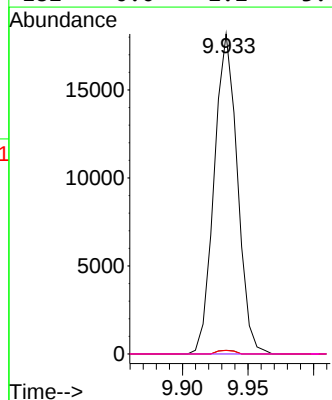
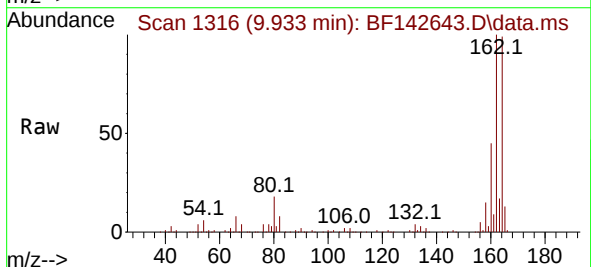
Ion Ratio Lower Upper

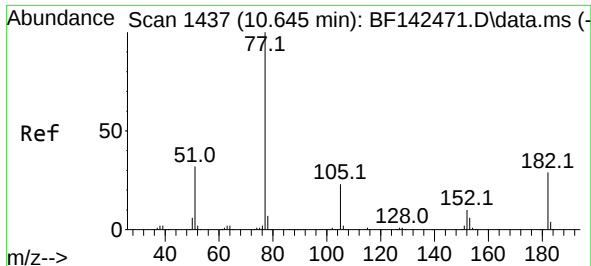
165 100

63 1.1 33.6 50.4#

89 1.1 50.2 75.4#

182 0.0 2.2 3.4#

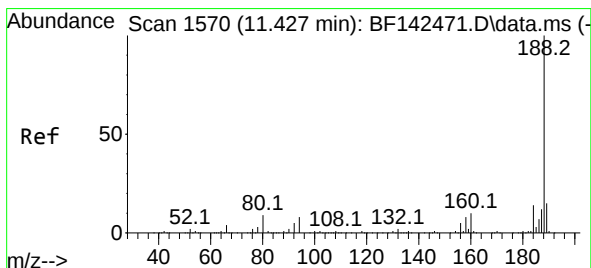
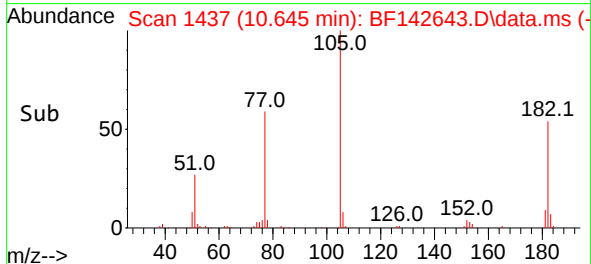
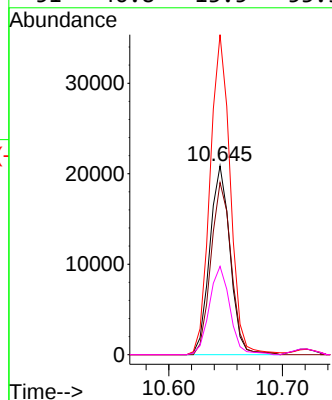
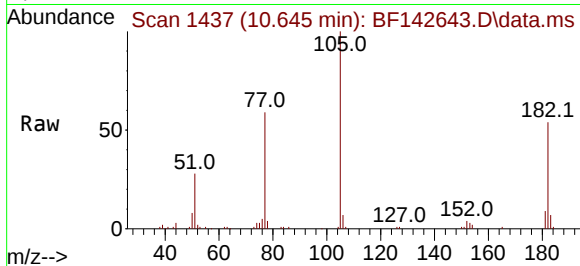




#63
 Azobenzene
 Concen: 2.613 ng
 RT: 10.645 min Scan# 1437
 Delta R.T. 0.000 min
 Lab File: BF142643.D
 Acq: 06 Jun 2025 13:24

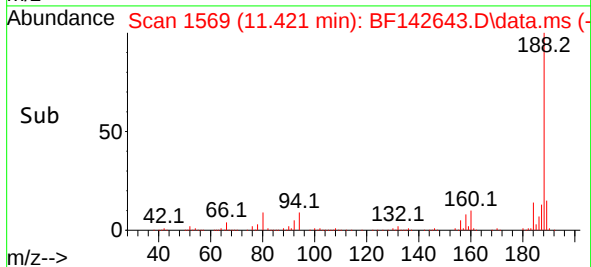
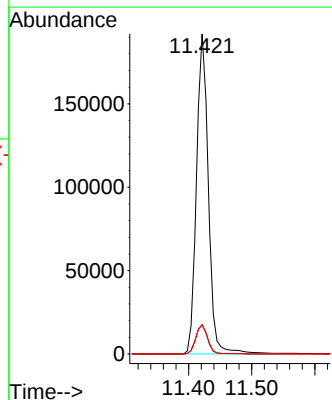
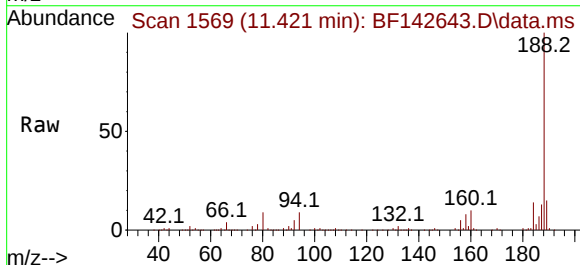
Instrument :
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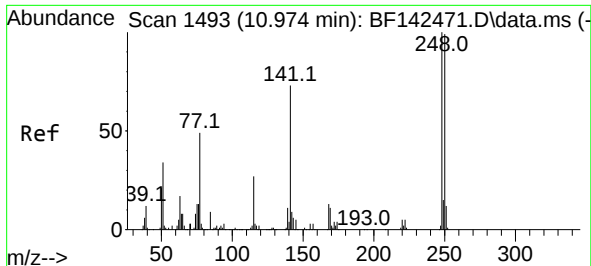
Tgt Ion: 77	Resp: 26034
Ion Ratio	Lower Upper
77 100	
182 91.1	9.0 49.0#
105 169.5	2.4 42.4#
51 46.8	13.5 53.5



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.421 min Scan# 1569
 Delta R.T. -0.012 min
 Lab File: BF142643.D
 Acq: 06 Jun 2025 13:24

Tgt Ion: 188	Resp: 250790
Ion Ratio	Lower Upper
188 100	
94 9.2	6.6 10.0
80 9.1	7.4 11.0

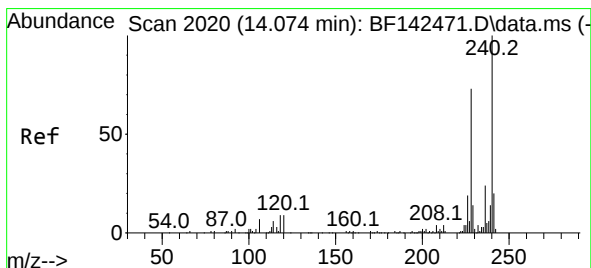
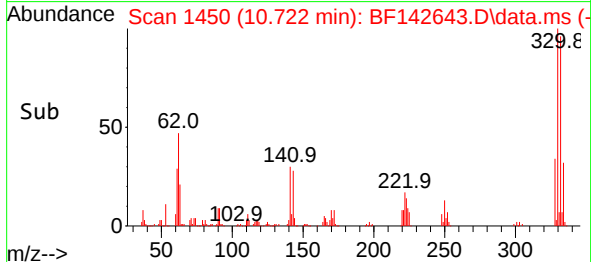
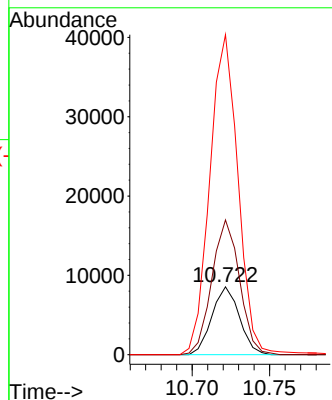
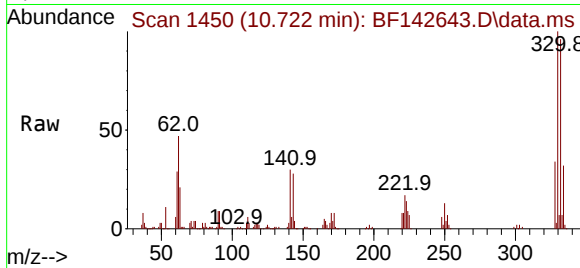




#67
4-Bromophenyl-phenylether
Concen: 3.561 ng
RT: 10.722 min Scan# 14
Delta R.T. -0.253 min
Lab File: BF142643.D
Acq: 06 Jun 2025 13:24

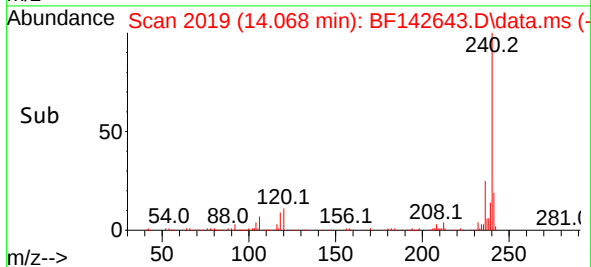
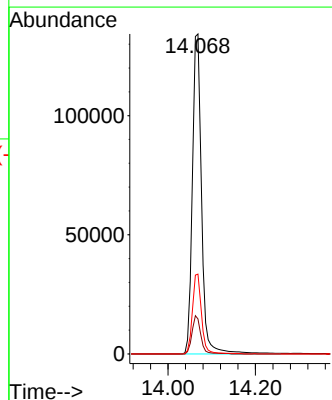
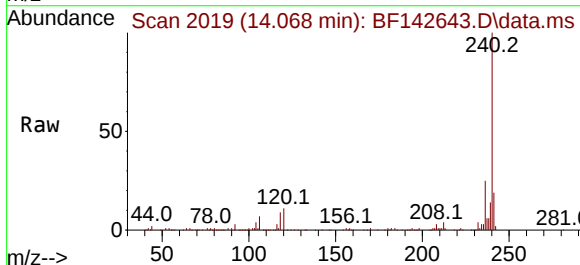
Instrument :
BNA_F
ClientSampleId :
BU-703-COMP-05

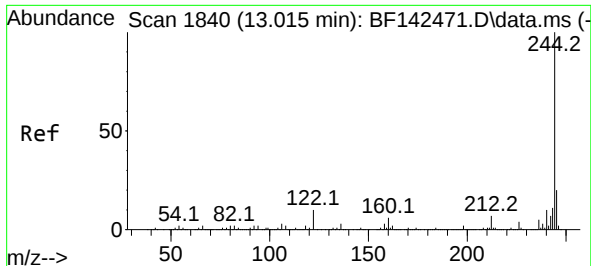
Tgt Ion:248 Resp: 10559
Ion Ratio Lower Upper
248 100
250 198.5 79.0 118.4#
141 471.4 58.4 87.6#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.068 min Scan# 2019
Delta R.T. -0.006 min
Lab File: BF142643.D
Acq: 06 Jun 2025 13:24

Tgt Ion:240 Resp: 196926
Ion Ratio Lower Upper
240 100
120 11.0 7.5 11.3
236 25.0 19.6 29.4

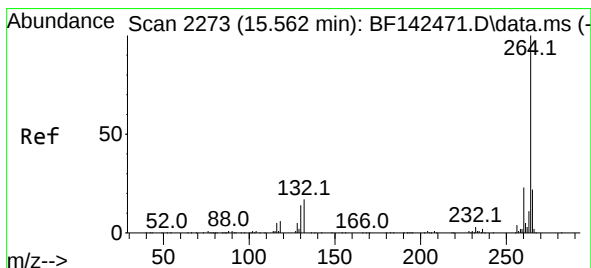
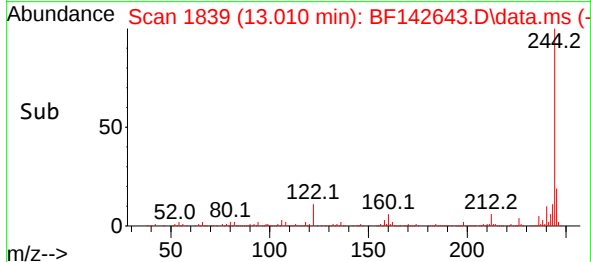
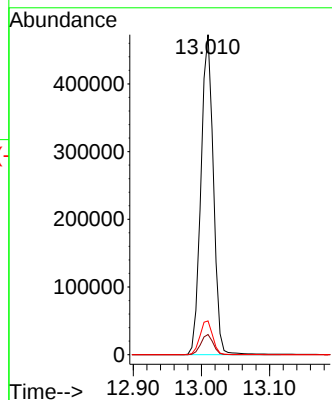
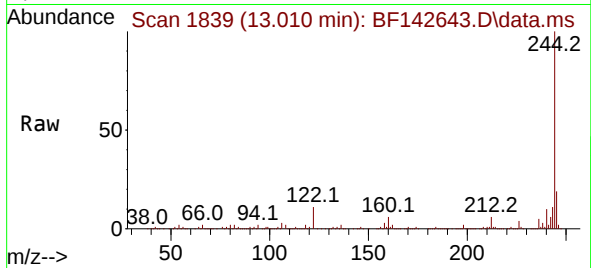




#79
 Terphenyl-d14
 Concen: 41.582 ng
 RT: 13.010 min Scan# 1839
 Delta R.T. -0.006 min
 Lab File: BF142643.D
 Acq: 06 Jun 2025 13:24

Instrument :
 BNA_F
 ClientSampleId :
 BU-703-COMP-05

Tgt Ion:244 Resp: 599213
 Ion Ratio Lower Upper
 244 100
 212 6.3 5.3 7.9
 122 10.5 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: BF142643.D
 Acq: 06 Jun 2025 13:24

Tgt Ion:264 Resp: 252548
 Ion Ratio Lower Upper
 264 100
 260 22.7 18.6 28.0
 265 21.6 17.7 26.5

