

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060625\
 Data File : BF142648.D
 Acq On : 06 Jun 2025 16:00
 Operator : RC/JU
 Sample : Q2208-19
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 BU-703-COMP-08

Quant Time: Jun 06 16:30:23 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)

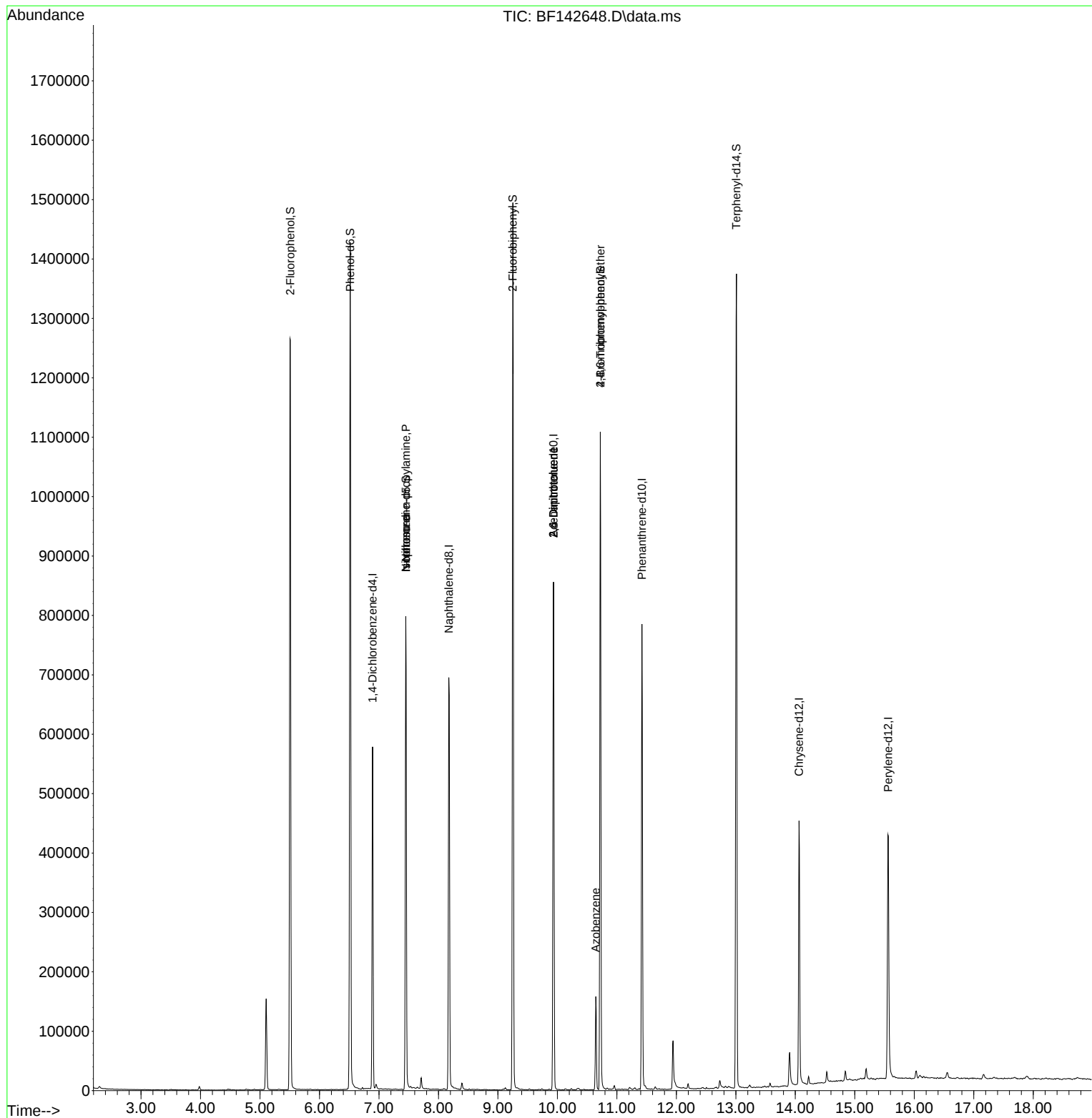
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.893	152	123558	20.000	ng	-0.01
21) Naphthalene-d8	8.175	136	471726	20.000	ng	-0.01
39) Acenaphthene-d10	9.934	164	259328	20.000	ng	-0.01
64) Phenanthrene-d10	11.422	188	418847	20.000	ng	-0.01
76) Chrysene-d12	14.063	240	235205	20.000	ng	-0.01
86) Perylene-d12	15.563	264	268492	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	511512	69.746	ng	0.00
7) Phenol-d6	6.516	99	681905	77.241	ng	-0.02
23) Nitrobenzene-d5	7.451	82	344021	39.767	ng	-0.02
42) 2,4,6-Tribromophenol	10.722	330	195724	68.002	ng	-0.02
45) 2-Fluorobiphenyl	9.251	172	672564	34.801	ng	-0.02
79) Terphenyl-d14	13.010	244	697595	40.530	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.451	70	46050	8.417	ng	# 75
25) Isophorone	7.451	82	329340	22.770	ng	# 63
51) 2,6-Dinitrotoluene	9.934	165	32971	8.928	ng	# 27
57) 2,4-Dinitrotoluene	9.934	165	32971	6.836	ng	# 28
63) Azobenzene	10.645	77	37676	2.510	ng	# 1
67) 4-Bromophenyl-phenylether	10.722	248	12671	2.558	ng	# 1

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

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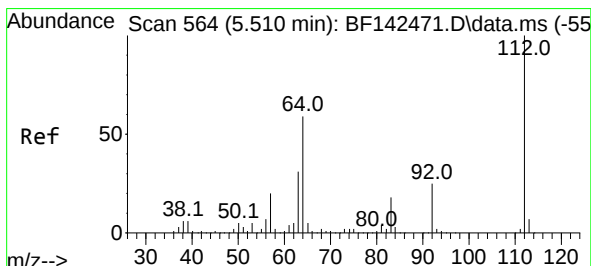
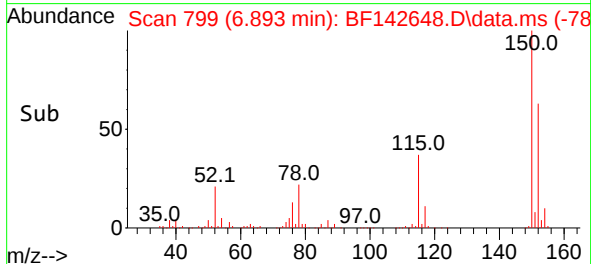
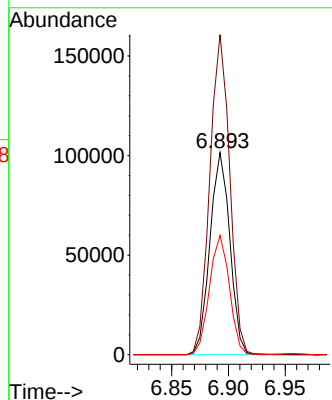
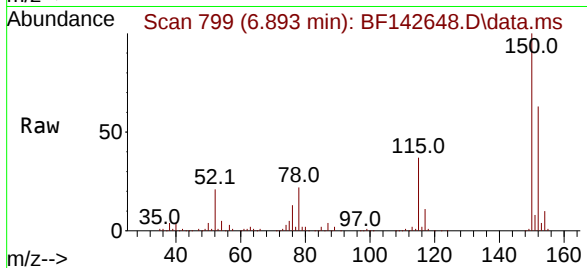




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.893 min Scan# 79
 Delta R.T. -0.011 min
 Lab File: BF142648.D
 Acq: 06 Jun 2025 16:00

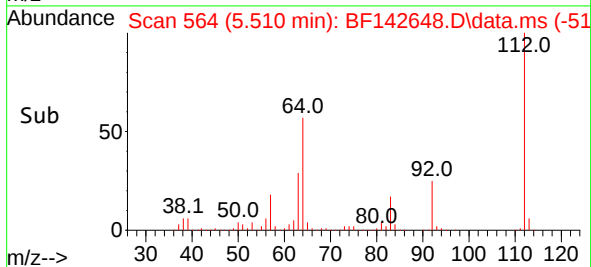
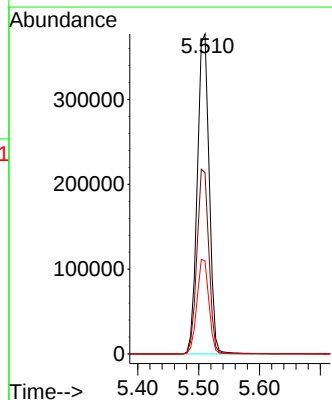
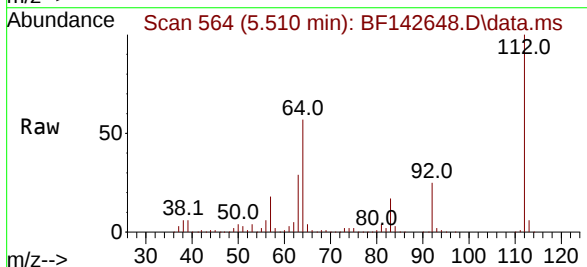
Instrument :
 BNA_F
 ClientSampleId :
 BU-703-COMP-08

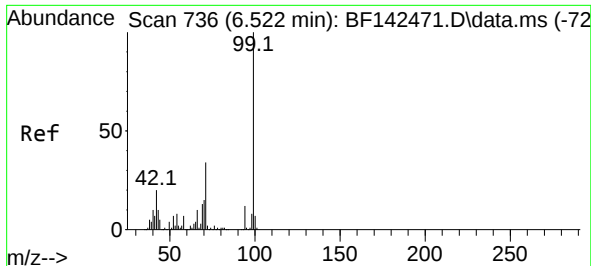
Tgt Ion:152 Resp: 123558
 Ion Ratio Lower Upper
 152 100
 150 158.4 128.2 192.4
 115 59.0 48.3 72.5



#5
 2-Fluorophenol
 Concen: 69.746 ng
 RT: 5.510 min Scan# 564
 Delta R.T. -0.006 min
 Lab File: BF142648.D
 Acq: 06 Jun 2025 16:00

Tgt Ion:112 Resp: 511512
 Ion Ratio Lower Upper
 112 100
 64 56.7 47.5 71.3
 63 29.1 24.9 37.3

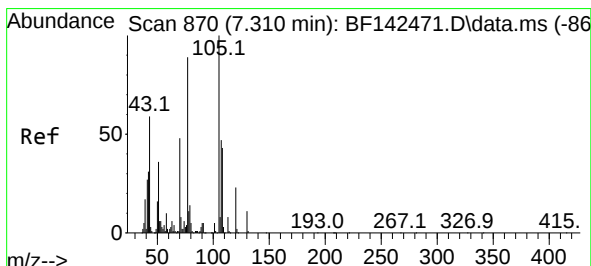
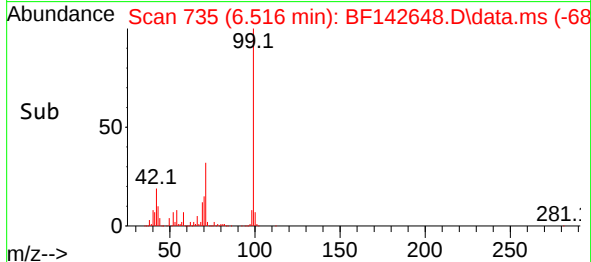
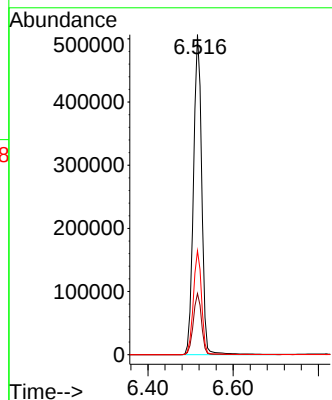
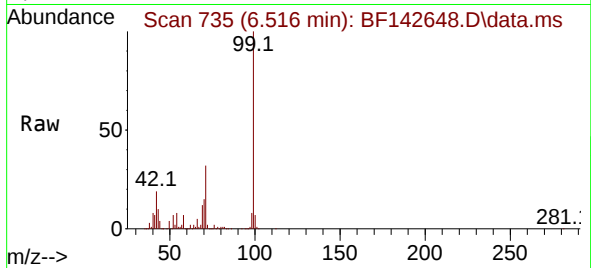




#7
Phenol-d6
Concen: 77.241 ng
RT: 6.516 min Scan# 71
Delta R.T. -0.017 min
Lab File: BF142648.D
Acq: 06 Jun 2025 16:00

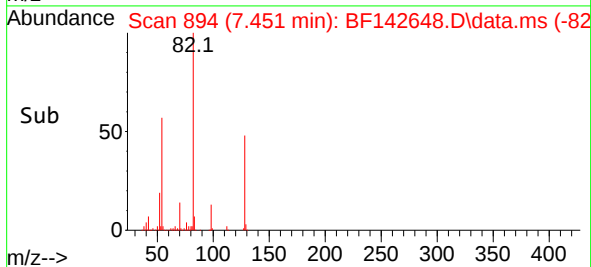
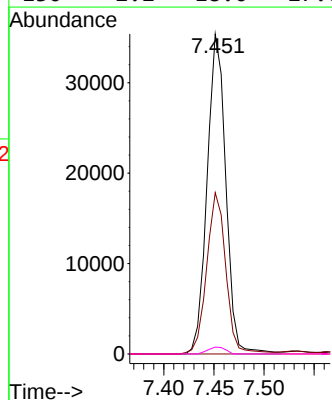
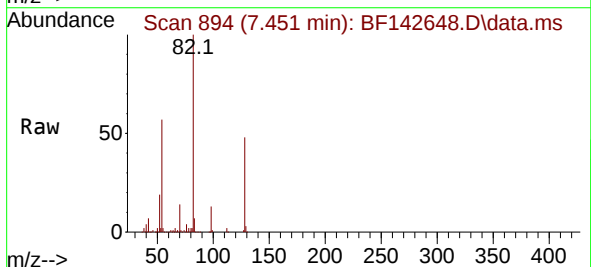
Instrument :
BNA_F
ClientSampleId :
BU-703-COMP-08

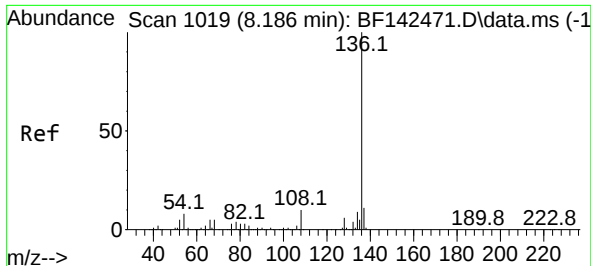
Tgt Ion: 99 Resp: 681905
Ion Ratio Lower Upper
99 100
42 19.1 16.2 24.2
71 32.5 27.3 40.9



#19
n-Nitroso-di-n-propylamine
Concen: 8.417 ng
RT: 7.451 min Scan# 894
Delta R.T. 0.124 min
Lab File: BF142648.D
Acq: 06 Jun 2025 16:00

Tgt Ion: 70 Resp: 46050
Ion Ratio Lower Upper
70 100
42 50.4 52.4 78.6#
101 0.0 7.8 11.8#
130 2.2 18.0 27.0#



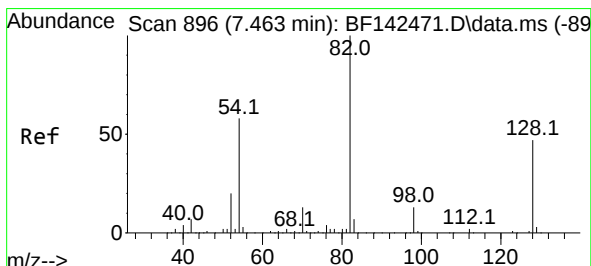
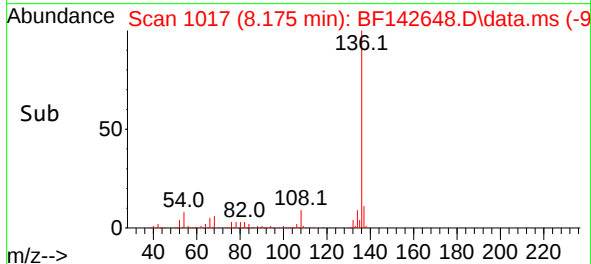
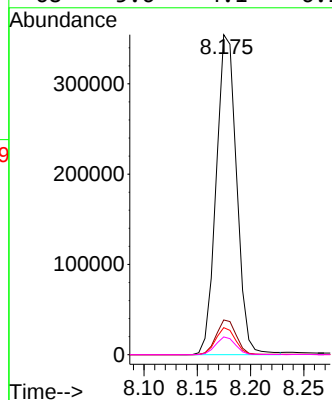
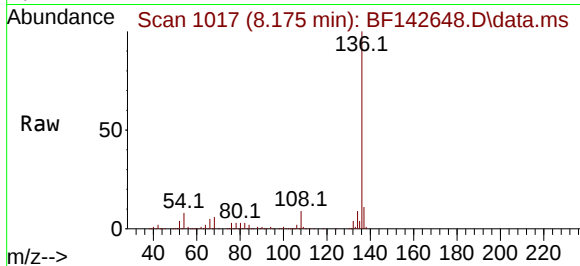


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.175 min Scan# 1017
Delta R.T. -0.012 min
Lab File: BF142648.D
Acq: 06 Jun 2025 16:00

Instrument :
BNA_F
ClientSampleId :
BU-703-COMP-08

Tgt Ion:136 Resp: 471726

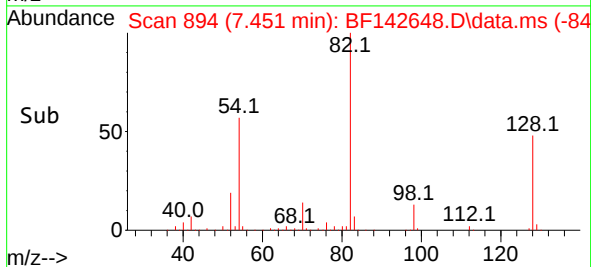
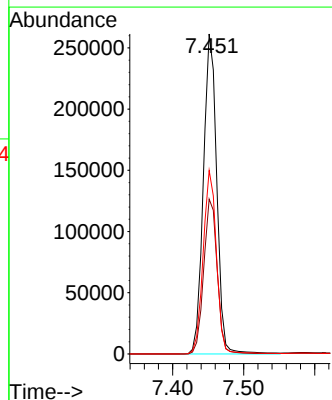
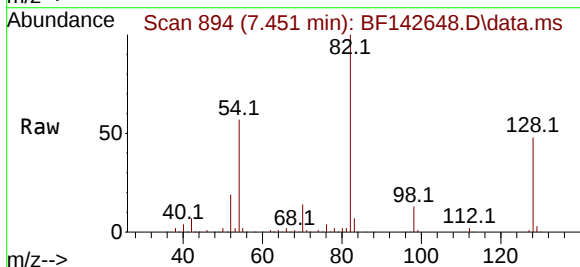
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.6	13.0
54	8.4	6.6	10.0
68	5.6	4.1	6.1



#23
Nitrobenzene-d5
Concen: 39.767 ng
RT: 7.451 min Scan# 894
Delta R.T. -0.023 min
Lab File: BF142648.D
Acq: 06 Jun 2025 16:00

Tgt Ion: 82 Resp: 344021

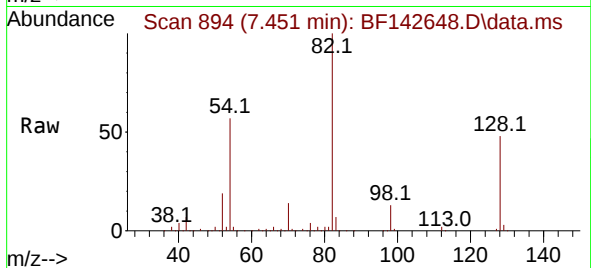
Ion	Ratio	Lower	Upper
82	100		
128	48.4	37.4	56.2
54	57.3	46.6	70.0



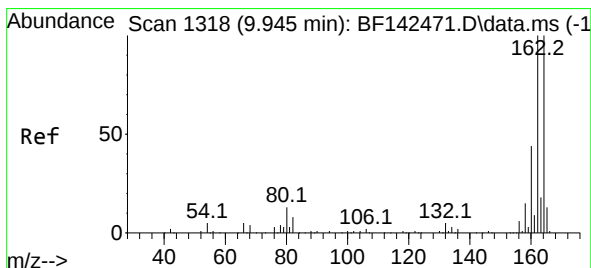
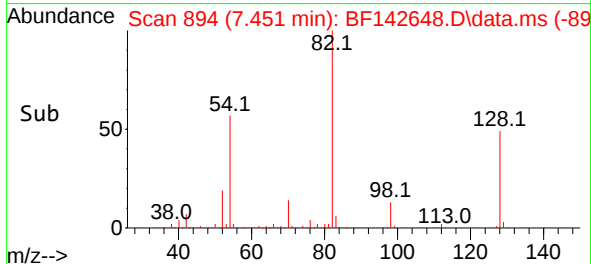
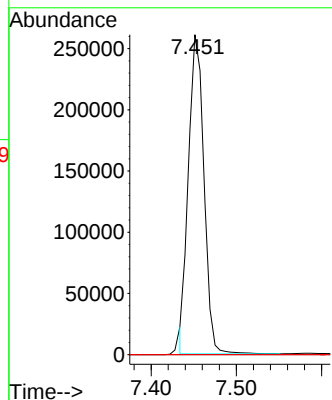


#25
Isophorone
Concen: 22.770 ng
RT: 7.451 min Scan# 894
Delta R.T. -0.282 min
Lab File: BF142648.D
Acq: 06 Jun 2025 16:00

Instrument :
BNA_F
ClientSampleId :
BU-703-COMP-08

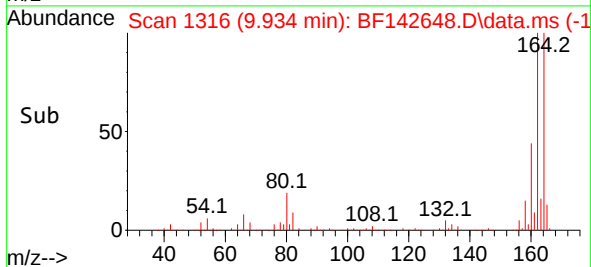
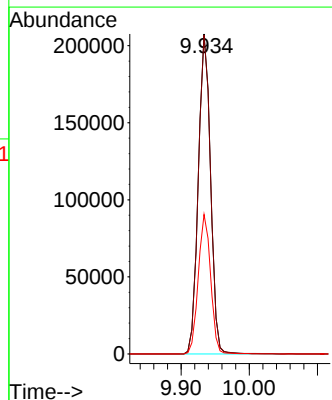
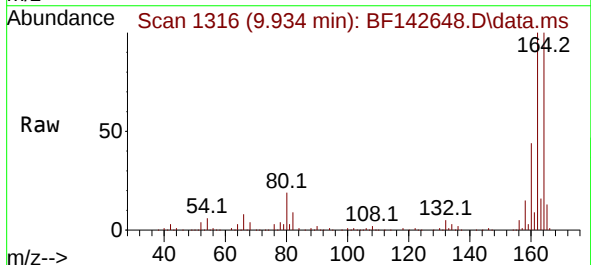


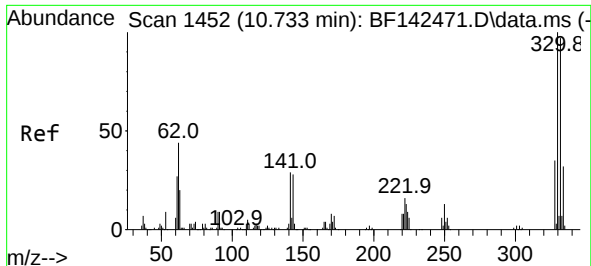
Tgt Ion: 82 Resp: 329340
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 15.5 23.3#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.934 min Scan# 1316
Delta R.T. -0.012 min
Lab File: BF142648.D
Acq: 06 Jun 2025 16:00

Tgt Ion:164 Resp: 259328
Ion Ratio Lower Upper
164 100
162 99.7 80.2 120.4
160 43.6 35.6 53.4





#42

2,4,6-Tribromophenol

Concen: 68.002 ng

RT: 10.722 min Scan# 1452

Delta R.T. -0.017 min

Lab File: BF142648.D

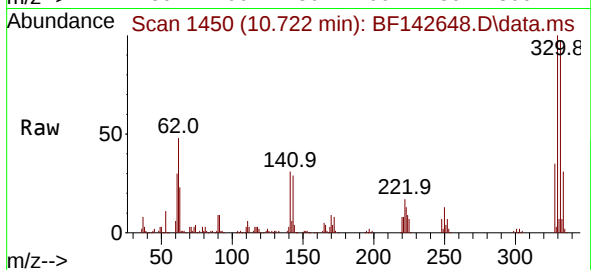
Acq: 06 Jun 2025 16:00

Instrument :

BNA_F

ClientSampleId :

BU-703-COMP-08



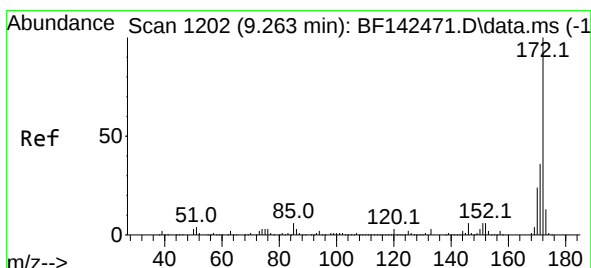
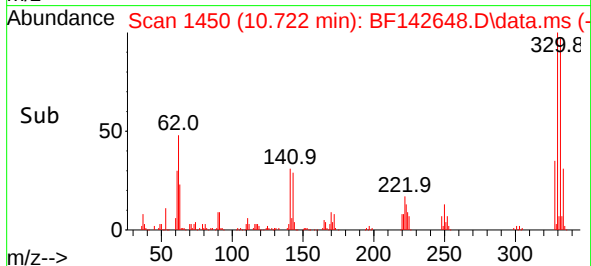
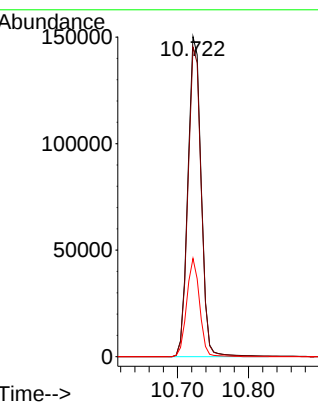
Tgt Ion:330 Resp: 195724

Ion Ratio Lower Upper

330 100

332 96.8 77.6 116.4

141 29.8 24.6 36.8



#45

2-Fluorobiphenyl

Concen: 34.801 ng

RT: 9.251 min Scan# 1200

Delta R.T. -0.017 min

Lab File: BF142648.D

Acq: 06 Jun 2025 16:00

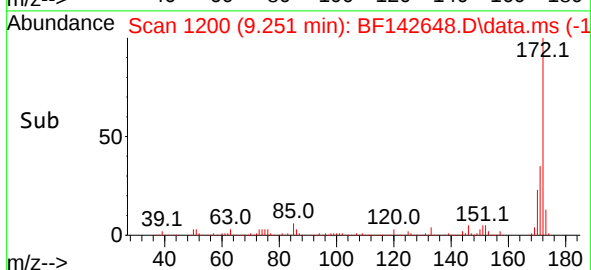
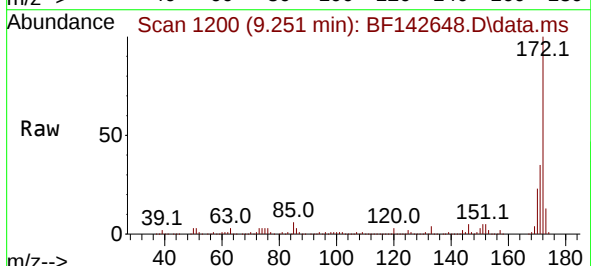
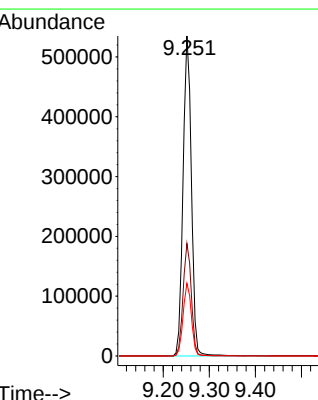
Tgt Ion:172 Resp: 672564

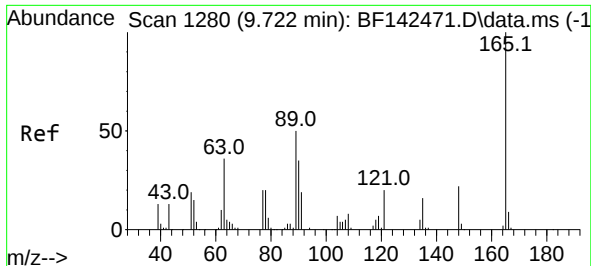
Ion Ratio Lower Upper

172 100

171 35.1 28.6 42.8

170 22.7 18.9 28.3

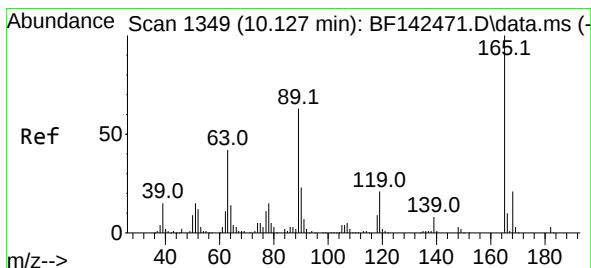
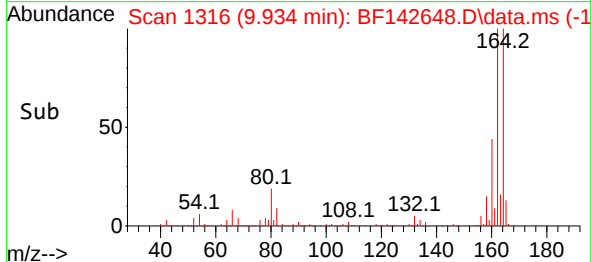
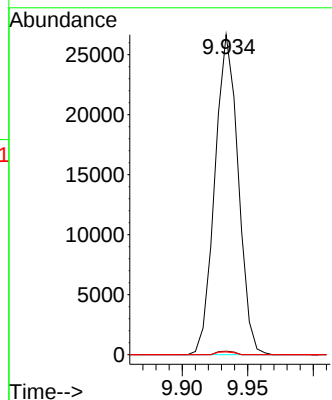
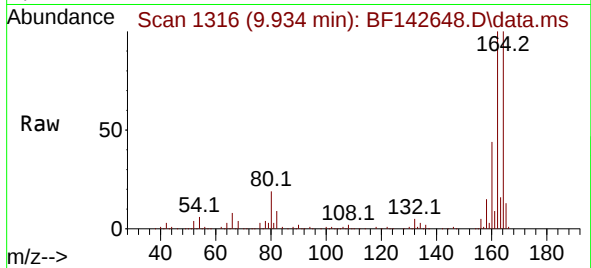




#51
2,6-Dinitrotoluene
Concen: 8.928 ng
RT: 9.934 min Scan# 11
Delta R.T. 0.206 min
Lab File: BF142648.D
Acq: 06 Jun 2025 16:00

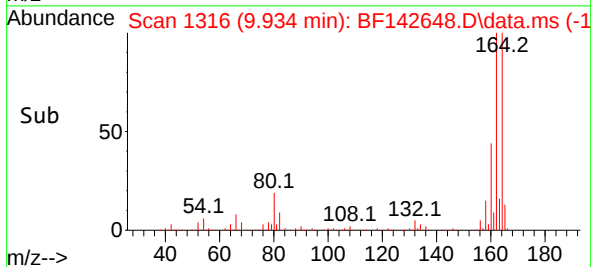
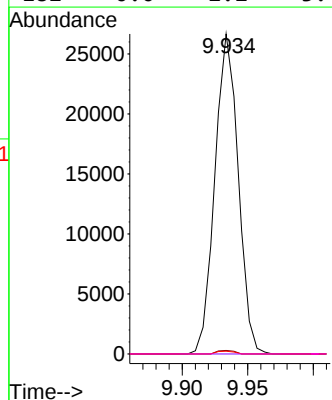
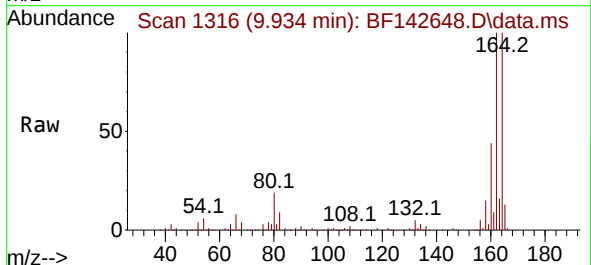
Instrument :
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BU-703-COMP-08

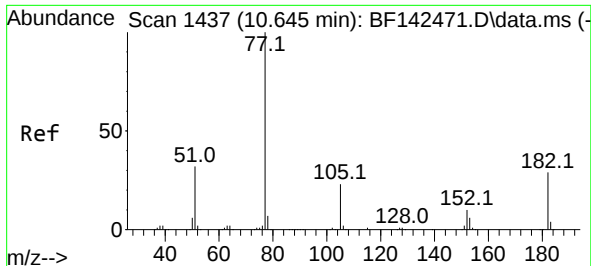
Tgt Ion:165 Resp: 32971
Ion Ratio Lower Upper
165 100
63 1.1 42.9 64.3#
89 0.8 40.2 60.4#



#57
2,4-Dinitrotoluene
Concen: 6.836 ng
RT: 9.934 min Scan# 1316
Delta R.T. -0.200 min
Lab File: BF142648.D
Acq: 06 Jun 2025 16:00

Tgt Ion:165 Resp: 32971
Ion Ratio Lower Upper
165 100
63 1.1 33.6 50.4#
89 0.8 50.2 75.4#
182 0.0 2.2 3.4#

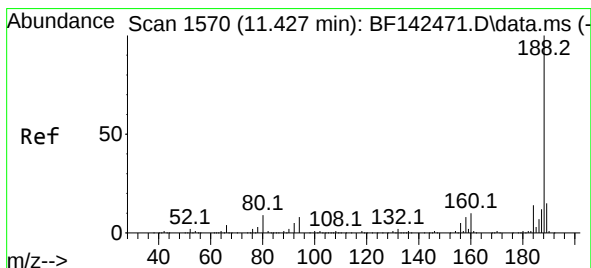
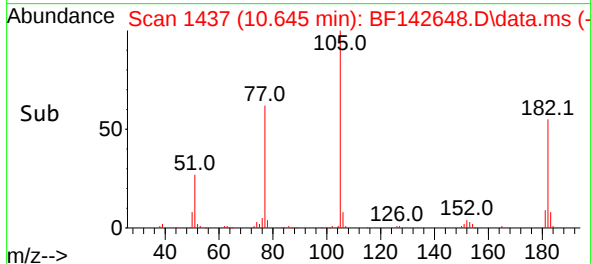
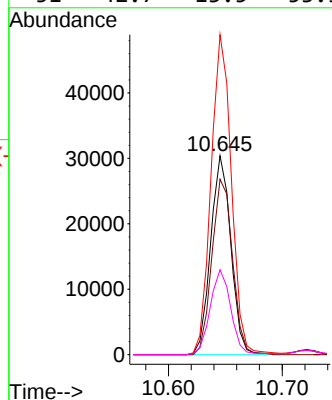
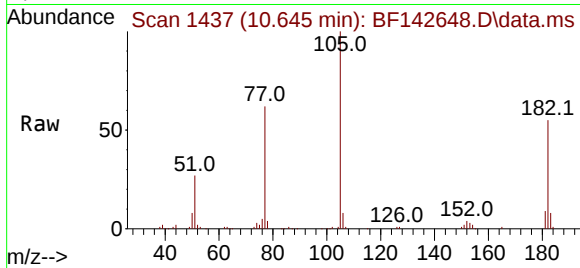




#63
Azobenzene
Concen: 2.510 ng
RT: 10.645 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF142648.D
Acq: 06 Jun 2025 16:00

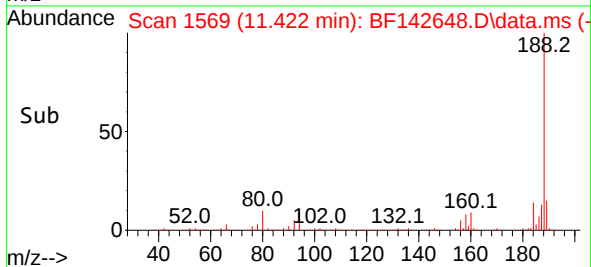
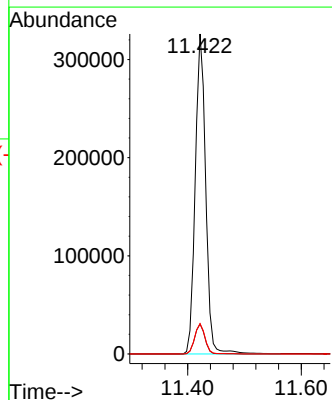
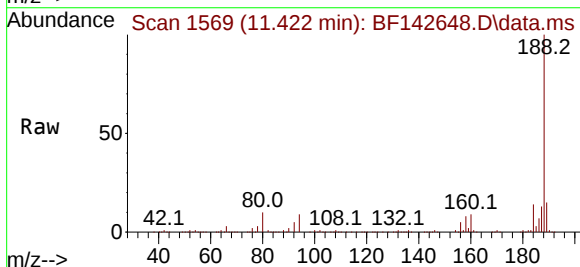
Instrument :
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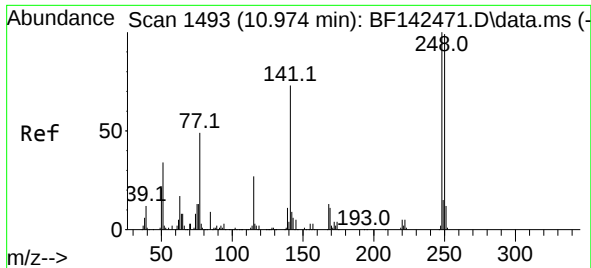
Tgt Ion: 77 Resp: 37676
Ion Ratio Lower Upper
77 100
182 88.2 9.0 49.0#
105 160.9 2.4 42.4#
51 42.7 13.5 53.5



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.422 min Scan# 1569
Delta R.T. -0.012 min
Lab File: BF142648.D
Acq: 06 Jun 2025 16:00

Tgt Ion:188 Resp: 418847
Ion Ratio Lower Upper
188 100
94 9.3 6.6 10.0
80 9.5 7.4 11.0

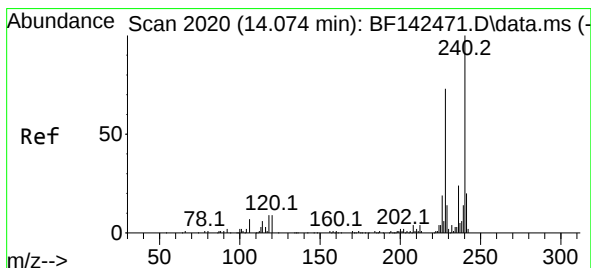
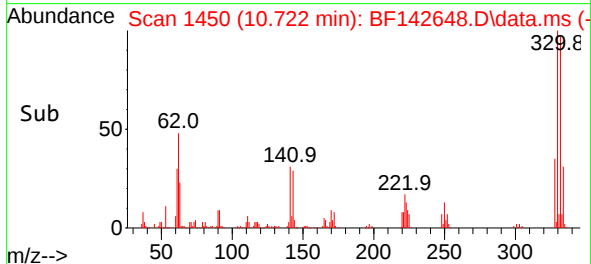
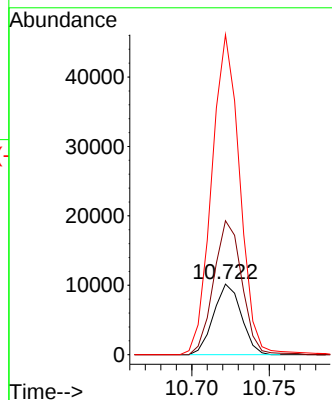
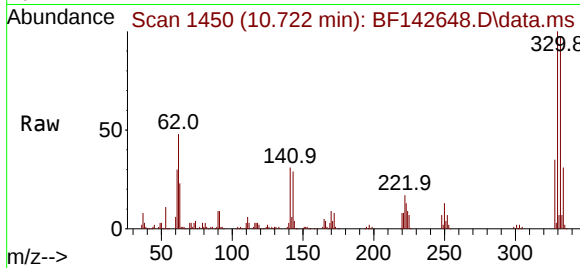




#67
4-Bromophenyl-phenylether
Concen: 2.558 ng
RT: 10.722 min Scan# 14
Delta R.T. -0.253 min
Lab File: BF142648.D
Acq: 06 Jun 2025 16:00

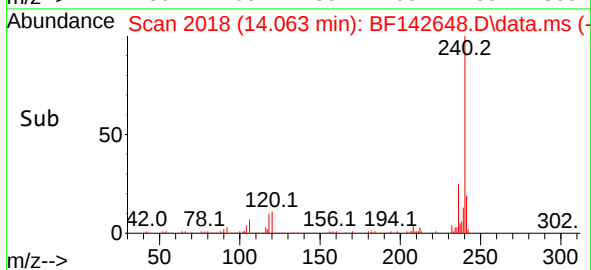
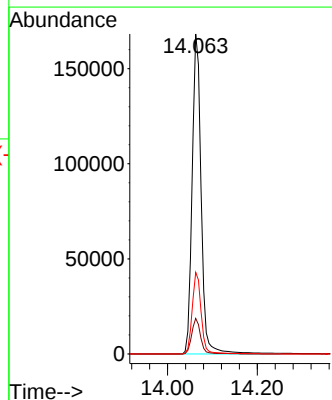
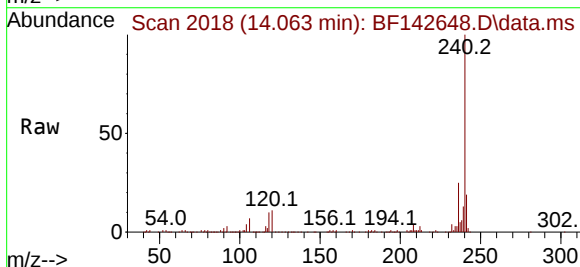
Instrument :
BNA_F
ClientSampleId :
BU-703-COMP-08

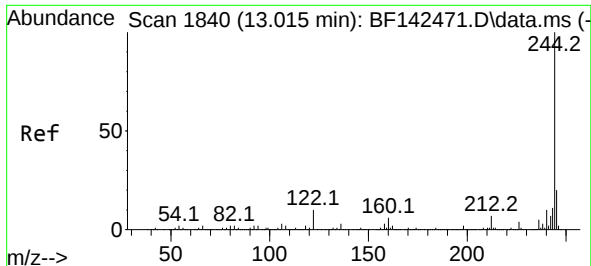
Tgt Ion:248 Resp: 12671
Ion Ratio Lower Upper
248 100
250 190.0 79.0 118.4#
141 453.9 58.4 87.6#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.063 min Scan# 2018
Delta R.T. -0.012 min
Lab File: BF142648.D
Acq: 06 Jun 2025 16:00

Tgt Ion:240 Resp: 235205
Ion Ratio Lower Upper
240 100
120 11.1 7.5 11.3
236 25.5 19.6 29.4

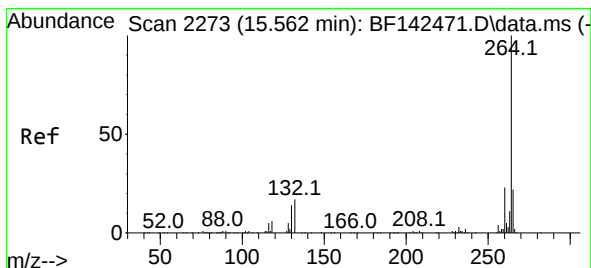
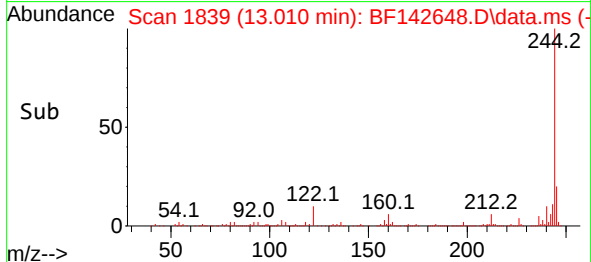
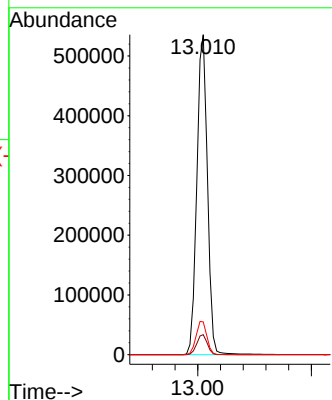
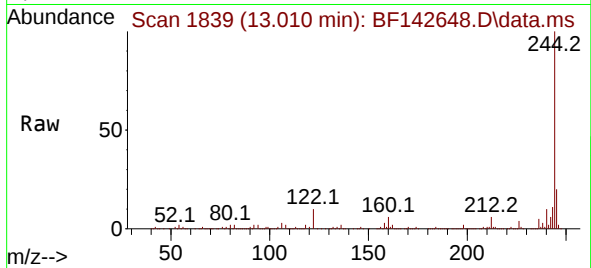




#79
 Terphenyl-d14
 Concen: 40.530 ng
 RT: 13.010 min Scan# 1840
 Delta R.T. -0.006 min
 Lab File: BF142648.D
 Acq: 06 Jun 2025 16:00

Instrument :
 BNA_F
 ClientSampleId :
 BU-703-COMP-08

Tgt Ion:244 Resp: 697595
 Ion Ratio Lower Upper
 244 100
 212 6.3 5.3 7.9
 122 10.3 8.2 12.2



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.563 min Scan# 2273
 Delta R.T. -0.006 min
 Lab File: BF142648.D
 Acq: 06 Jun 2025 16:00

Tgt Ion:264 Resp: 268492
 Ion Ratio Lower Upper
 264 100
 260 23.3 18.6 28.0
 265 21.0 17.7 26.5

