

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060625\
 Data File : BF142655.D
 Acq On : 06 Jun 2025 19:32
 Operator : RC/JU
 Sample : Q2207-19
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 BU-703-COMP-03

Quant Time: Jun 06 22:56:55 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)

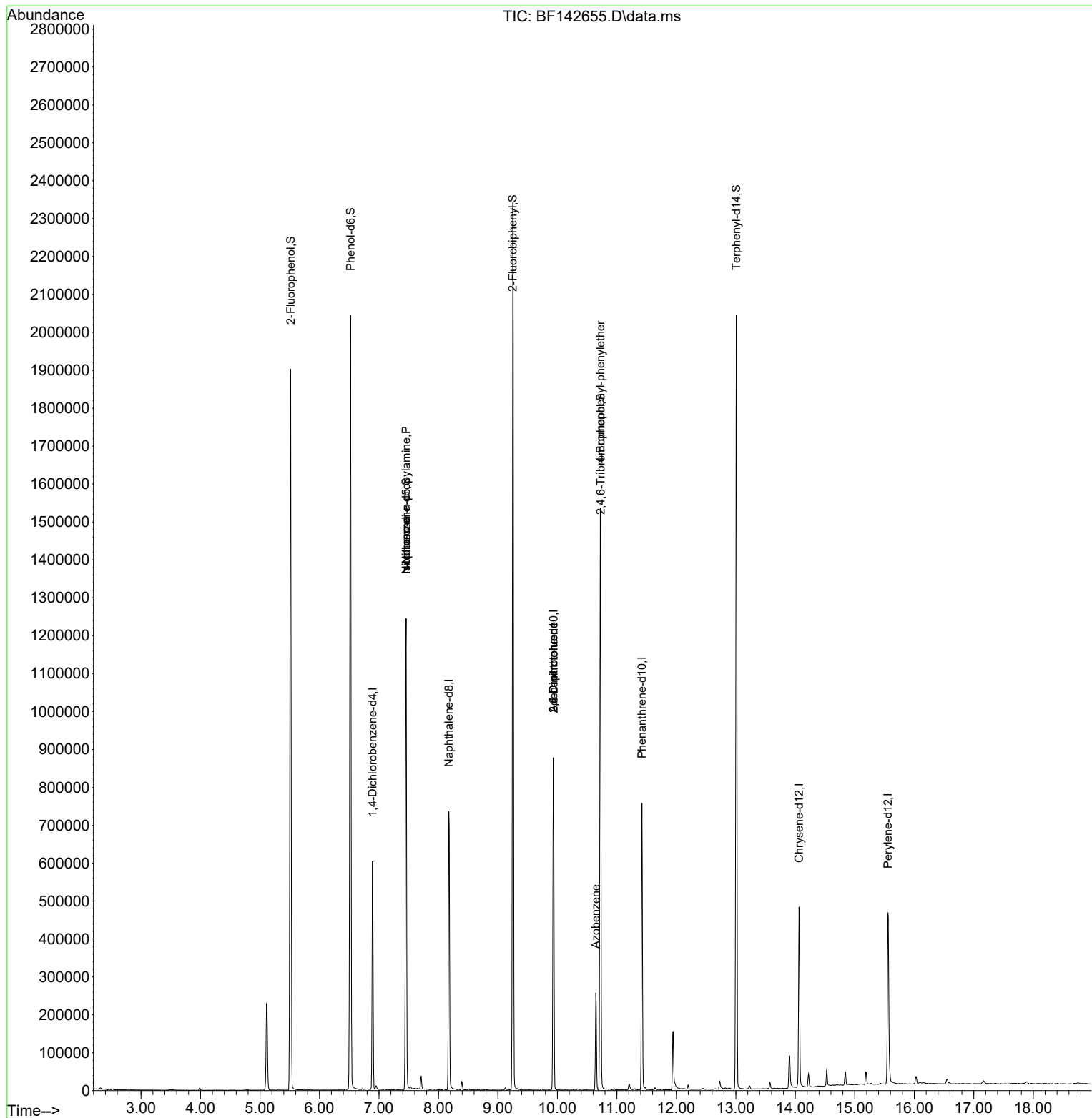
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.892	152	129122	20.000	ng	-0.01
21) Naphthalene-d8	8.175	136	488126	20.000	ng	-0.01
39) Acenaphthene-d10	9.933	164	258832	20.000	ng	-0.01
64) Phenanthrene-d10	11.422	188	395473	20.000	ng	-0.01
76) Chrysene-d12	14.063	240	245840	20.000	ng	#-0.01
86) Perylene-d12	15.557	264	286002	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	790914	103.197	ng	0.00
7) Phenol-d6	6.522	99	1064096	115.339	ng	-0.01
23) Nitrobenzene-d5	7.457	82	564580	63.070	ng	-0.02
42) 2,4,6-Tribromophenol	10.727	330	285263	99.301	ng	-0.01
45) 2-Fluorobiphenyl	9.251	172	1056063	54.749	ng	-0.02
79) Terphenyl-d14	13.010	244	1022461	56.835	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.457	70	73744	12.897	ng	# 76
25) Isophorone	7.457	82	544921	36.409	ng	# 63
51) 2,6-Dinitrotoluene	9.933	165	34326	9.312	ng	# 28
57) 2,4-Dinitrotoluene	9.933	165	34326	7.131	ng	# 28
63) Azobenzene	10.645	77	61899	4.132	ng	# 1
67) 4-Bromophenyl-phenylether	10.722	248	17933	3.835	ng	# 1

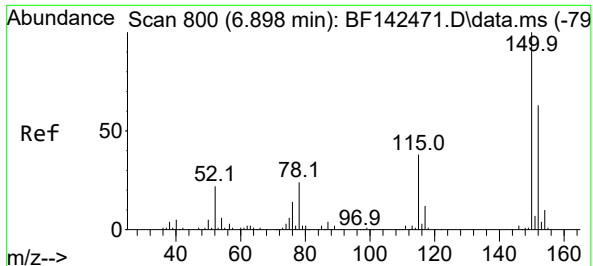
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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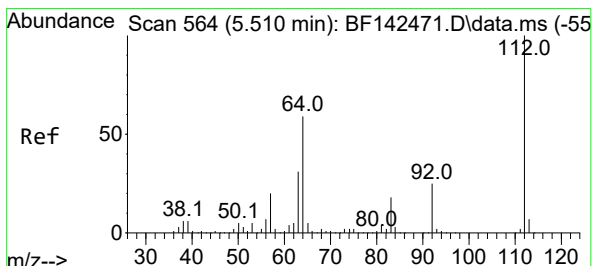
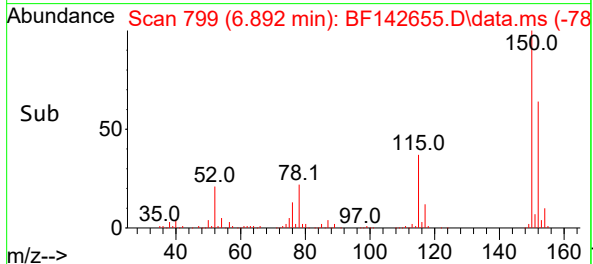
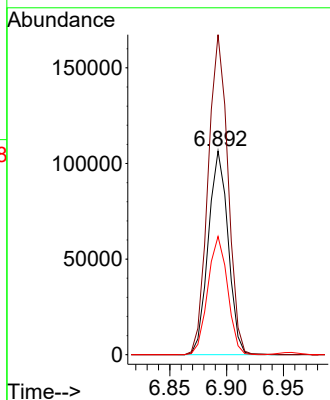
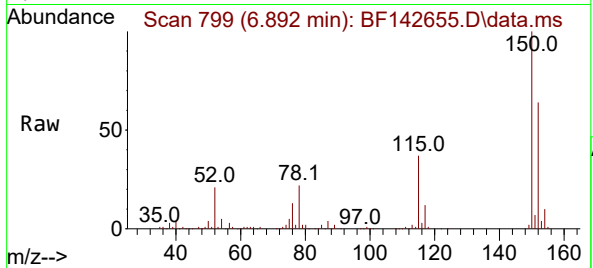




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.892 min Scan# 79
Delta R.T. -0.012 min
Lab File: BF142655.D
Acq: 06 Jun 2025 19:32

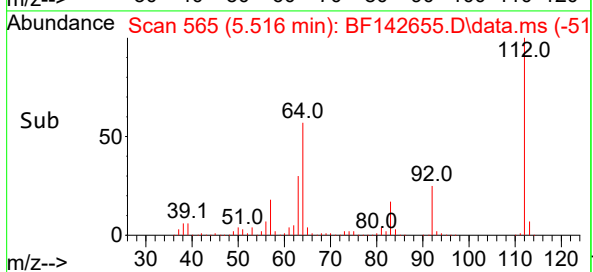
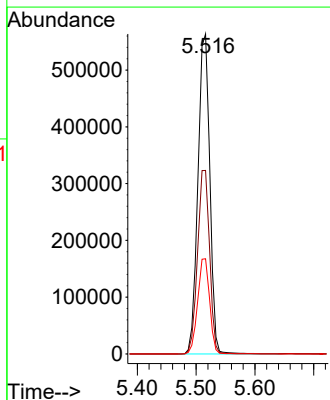
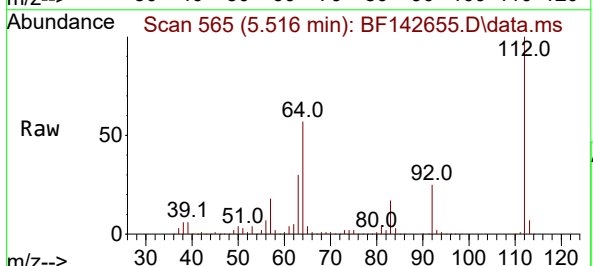
Instrument :
BNA_F
ClientSampleId :
BU-703-COMP-03

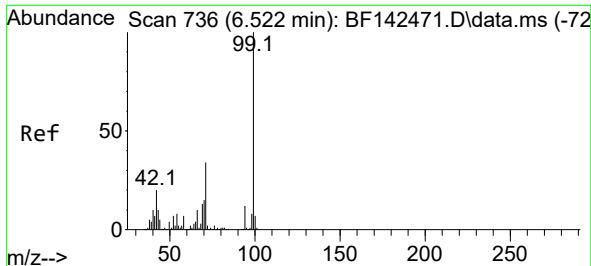
Tgt Ion:152 Resp: 129122
Ion Ratio Lower Upper
152 100
150 157.1 128.2 192.4
115 58.1 48.3 72.5



#5
2-Fluorophenol
Concen: 103.197 ng
RT: 5.516 min Scan# 565
Delta R.T. 0.000 min
Lab File: BF142655.D
Acq: 06 Jun 2025 19:32

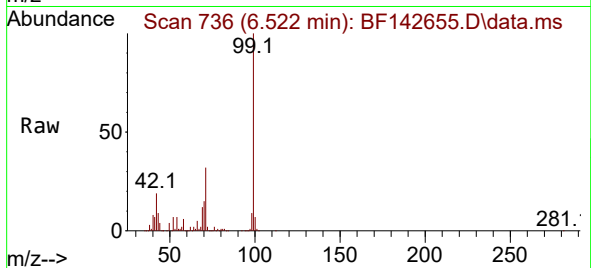
Tgt Ion:112 Resp: 790914
Ion Ratio Lower Upper
112 100
64 57.4 47.5 71.3
63 29.8 24.9 37.3





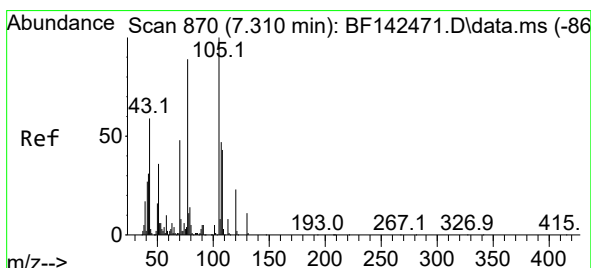
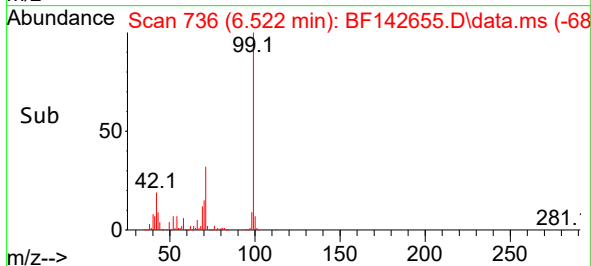
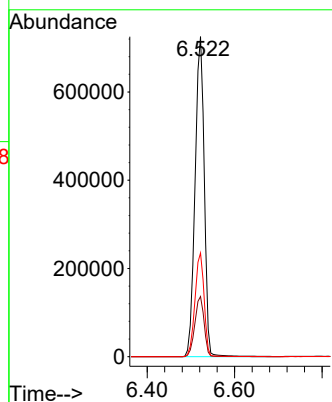
#7
Phenol-d6
Concen: 115.339 ng
RT: 6.522 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF142655.D
Acq: 06 Jun 2025 19:32

Instrument :
BNA_F
ClientSampleId :
BU-703-COMP-03



Tgt Ion: 99 Resp: 1064096

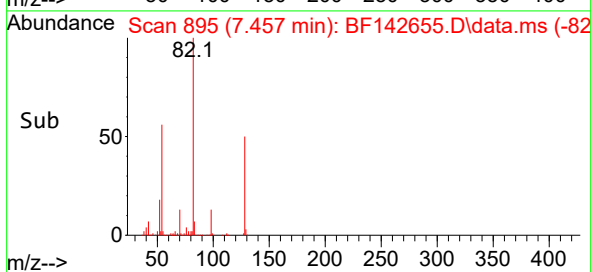
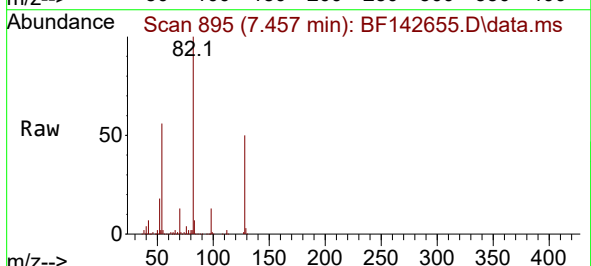
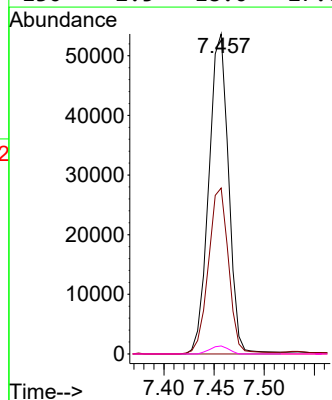
Ion	Ratio	Lower	Upper
99	100		
42	18.8	16.2	24.2
71	32.4	27.3	40.9

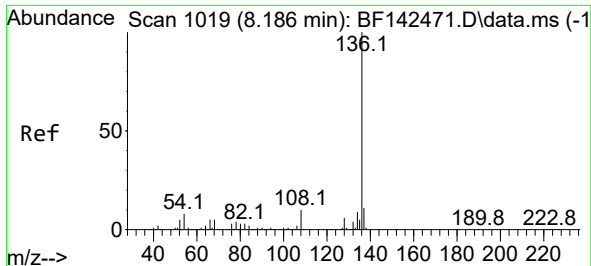


#19
n-Nitroso-di-n-propylamine
Concen: 12.897 ng
RT: 7.457 min Scan# 895
Delta R.T. 0.129 min
Lab File: BF142655.D
Acq: 06 Jun 2025 19:32

Tgt Ion: 70 Resp: 73744

Ion	Ratio	Lower	Upper
70	100		
42	51.8	52.4	78.6#
101	0.0	7.8	11.8#
130	2.5	18.0	27.0#

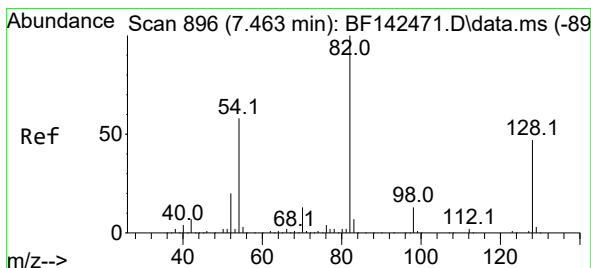
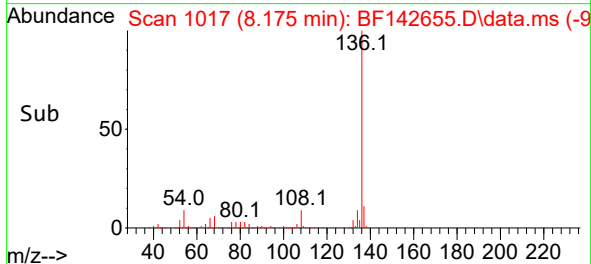
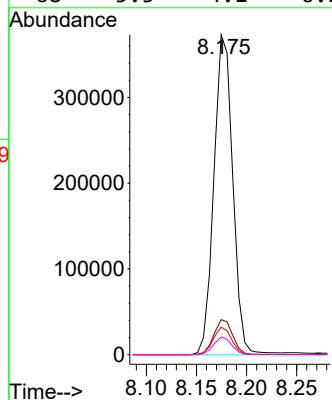
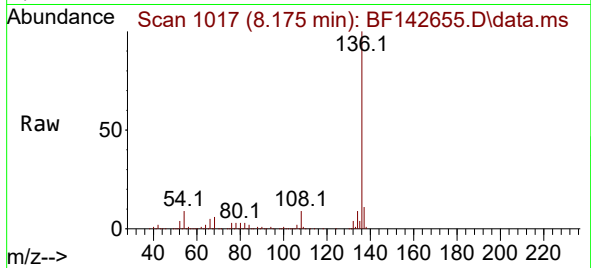




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.175 min Scan# 1017
Delta R.T. -0.012 min
Lab File: BF142655.D
Acq: 06 Jun 2025 19:32

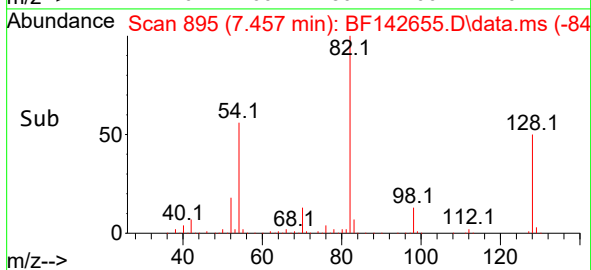
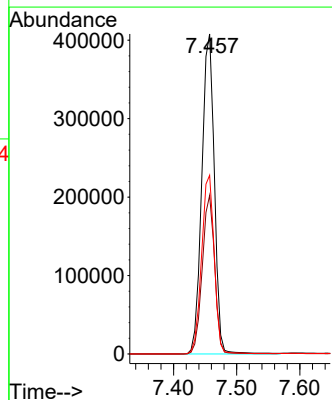
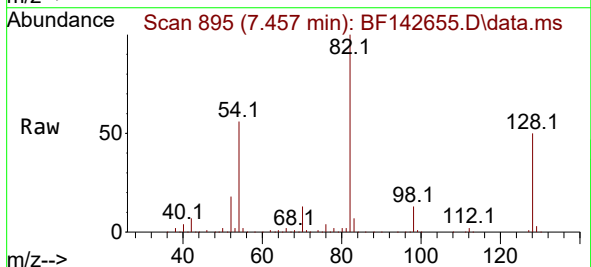
Instrument :
BNA_F
ClientSampleId :
BU-703-COMP-03

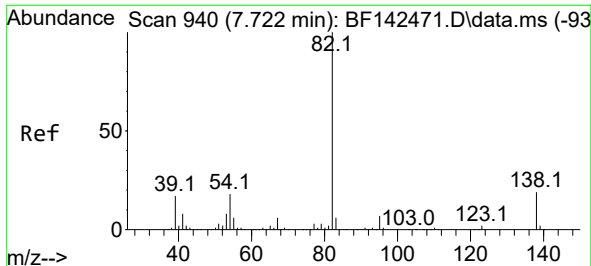
Tgt Ion:136 Resp: 488126
Ion Ratio Lower Upper
136 100
137 11.0 8.6 13.0
54 8.6 6.6 10.0
68 5.5 4.1 6.1



#23
Nitrobenzene-d5
Concen: 63.070 ng
RT: 7.457 min Scan# 895
Delta R.T. -0.018 min
Lab File: BF142655.D
Acq: 06 Jun 2025 19:32

Tgt Ion: 82 Resp: 564580
Ion Ratio Lower Upper
82 100
128 49.6 37.4 56.2
54 55.8 46.6 70.0

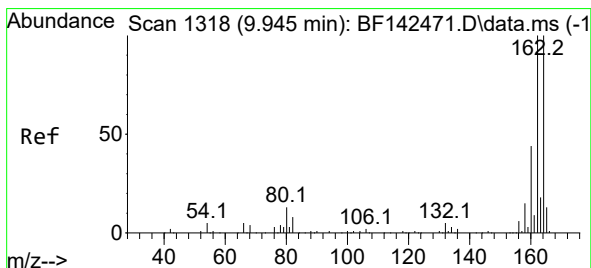
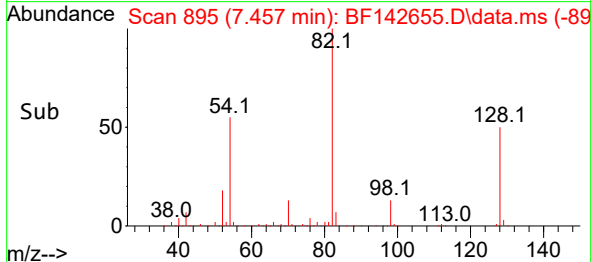
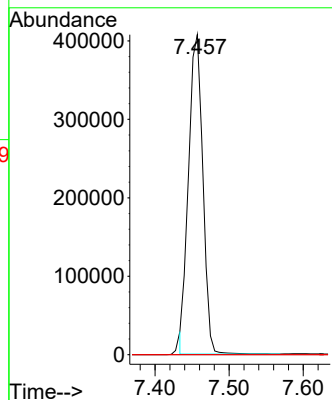
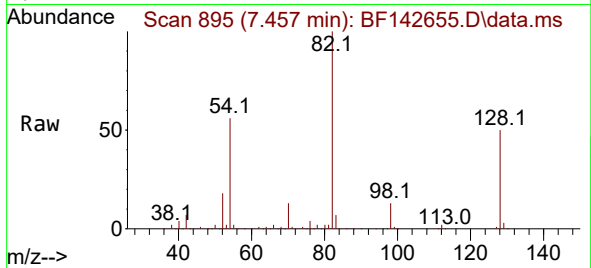




#25
Isophorone
Concen: 36.409 ng
RT: 7.457 min Scan# 89
Delta R.T. -0.276 min
Lab File: BF142655.D
Acq: 06 Jun 2025 19:32

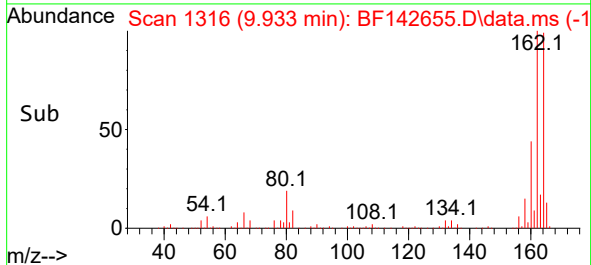
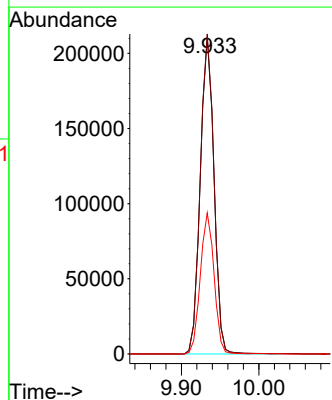
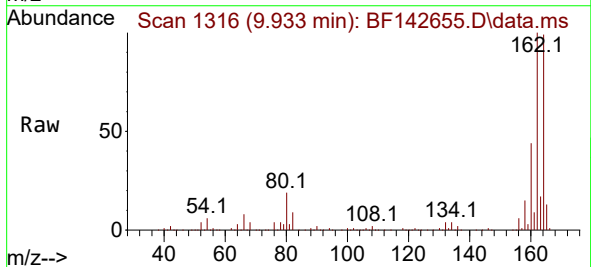
Instrument :
BNA_F
ClientSampleId :
BU-703-COMP-03

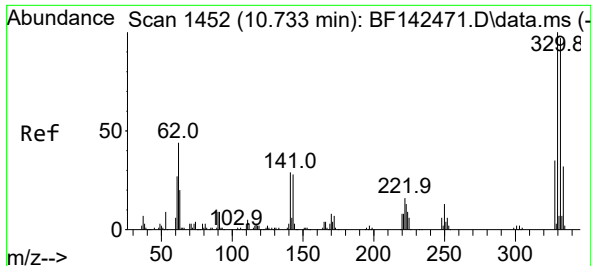
Tgt Ion: 82 Resp: 544921
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 15.5 23.3#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.933 min Scan# 1316
Delta R.T. -0.012 min
Lab File: BF142655.D
Acq: 06 Jun 2025 19:32

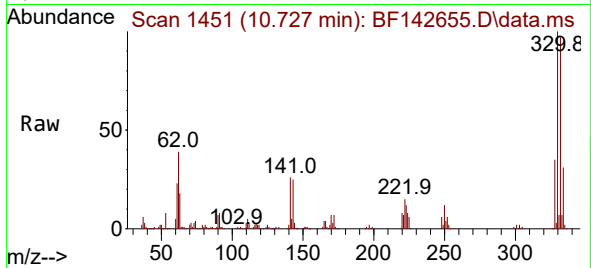
Tgt Ion: 164 Resp: 258832
Ion Ratio Lower Upper
164 100
162 101.0 80.2 120.4
160 44.5 35.6 53.4



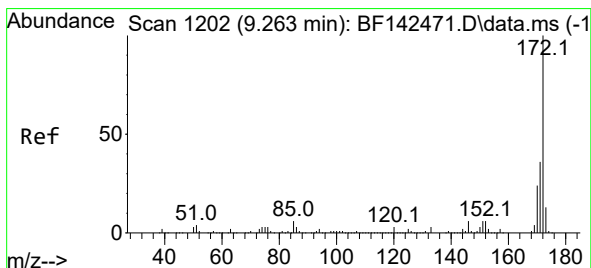
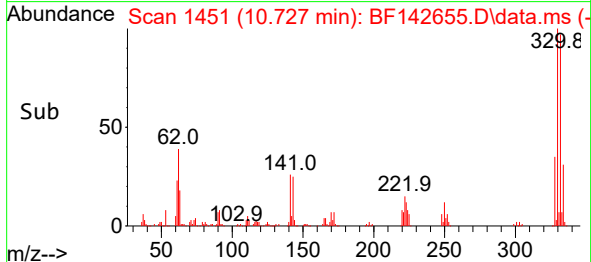
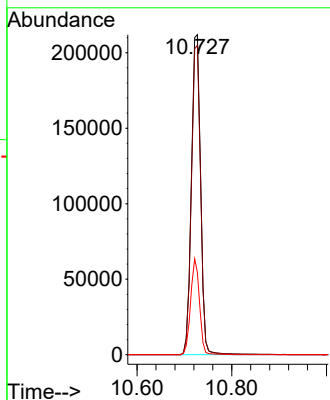


#42
2,4,6-Tribromophenol
Concen: 99.301 ng
RT: 10.727 min Scan# 1452
Delta R.T. -0.012 min
Lab File: BF142655.D
Acq: 06 Jun 2025 19:32

Instrument :
BNA_F
ClientSampleId :
BU-703-COMP-03

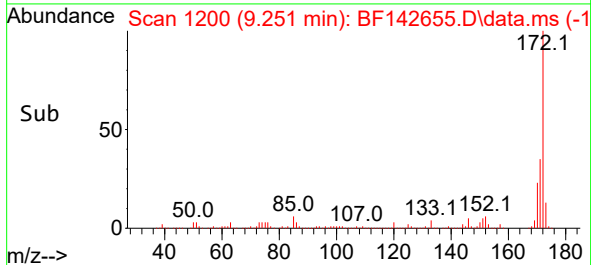
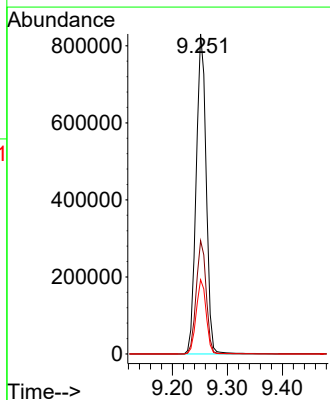
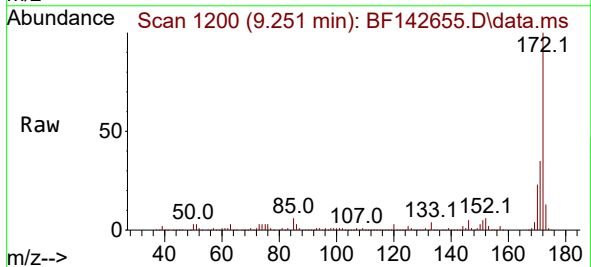


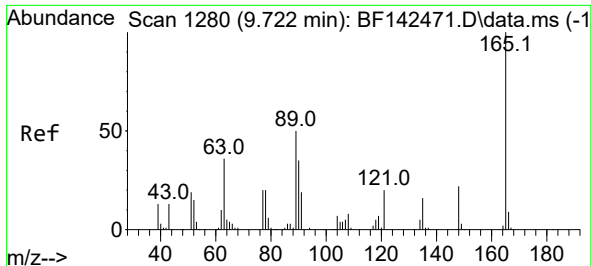
Tgt Ion:330 Resp: 285263
Ion Ratio Lower Upper
330 100
332 96.6 77.6 116.4
141 28.8 24.6 36.8



#45
2-Fluorobiphenyl
Concen: 54.749 ng
RT: 9.251 min Scan# 1200
Delta R.T. -0.018 min
Lab File: BF142655.D
Acq: 06 Jun 2025 19:32

Tgt Ion:172 Resp: 1056063
Ion Ratio Lower Upper
172 100
171 35.4 28.6 42.8
170 23.2 18.9 28.3

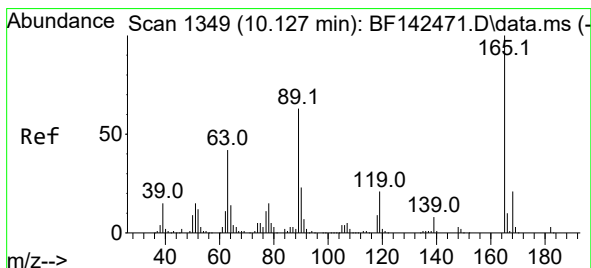
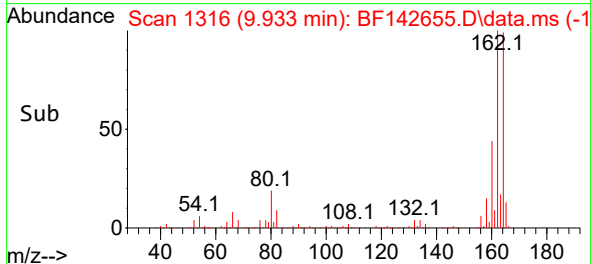
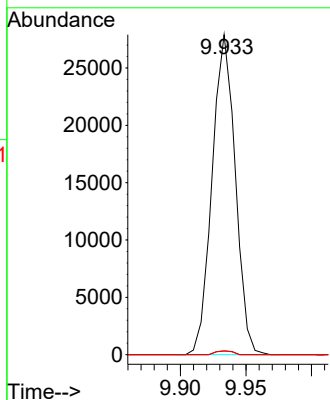
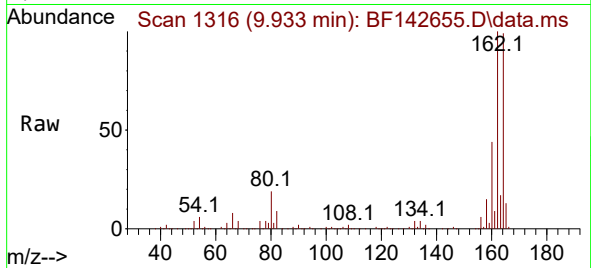




#51
2,6-Dinitrotoluene
Concen: 9.312 ng
RT: 9.933 min Scan# 1316
Delta R.T. 0.206 min
Lab File: BF142655.D
Acq: 06 Jun 2025 19:32

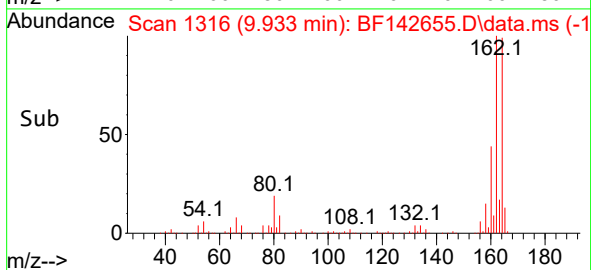
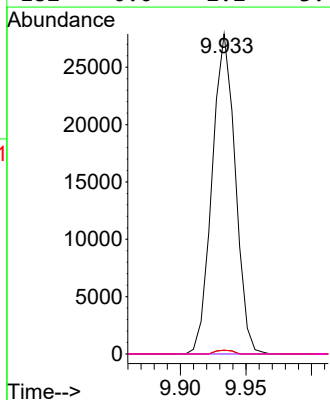
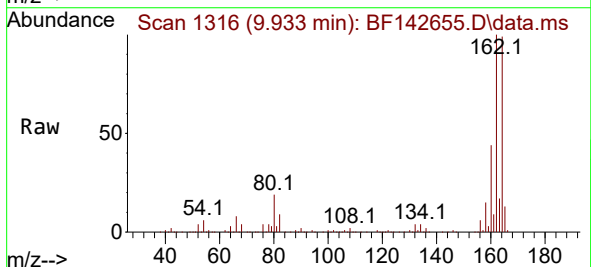
Instrument :
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ClientSampleId :
BU-703-COMP-03

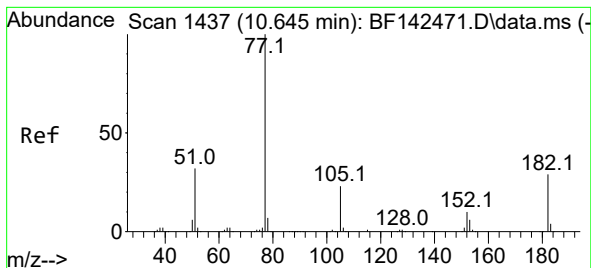
Tgt Ion:165 Resp: 34326
Ion Ratio Lower Upper
165 100
63 1.2 42.9 64.3#
89 1.2 40.2 60.4#



#57
2,4-Dinitrotoluene
Concen: 7.131 ng
RT: 9.933 min Scan# 1316
Delta R.T. -0.200 min
Lab File: BF142655.D
Acq: 06 Jun 2025 19:32

Tgt Ion:165 Resp: 34326
Ion Ratio Lower Upper
165 100
63 1.2 33.6 50.4#
89 1.2 50.2 75.4#
182 0.0 2.2 3.4#





#63

Azobenzene

Concen: 4.132 ng

RT: 10.645 min Scan# 1437

Delta R.T. 0.000 min

Lab File: BF142655.D

Acq: 06 Jun 2025 19:32

Instrument :

BNA_F

ClientSampleId :

BU-703-COMP-03

Tgt Ion: 77 Resp: 61899

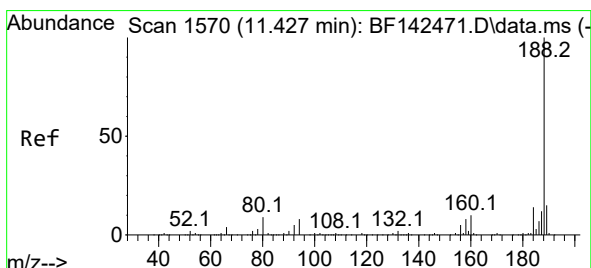
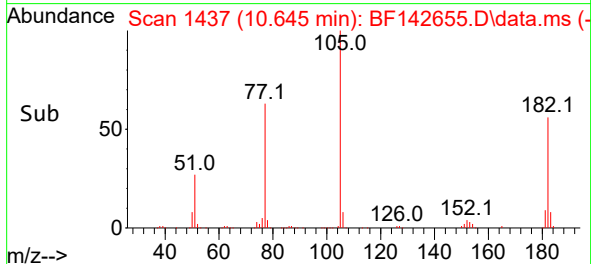
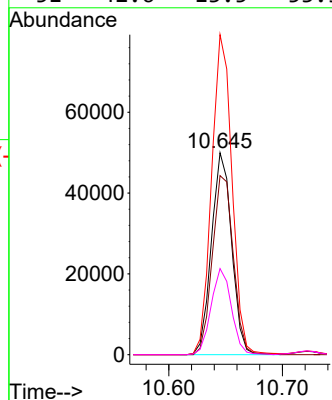
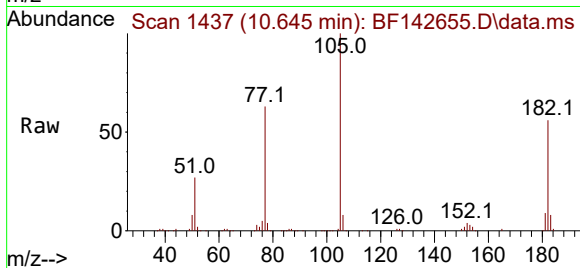
Ion Ratio Lower Upper

77 100

182 88.7 9.0 49.0#

105 158.4 2.4 42.4#

51 42.6 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: BF142655.D

Acq: 06 Jun 2025 19:32

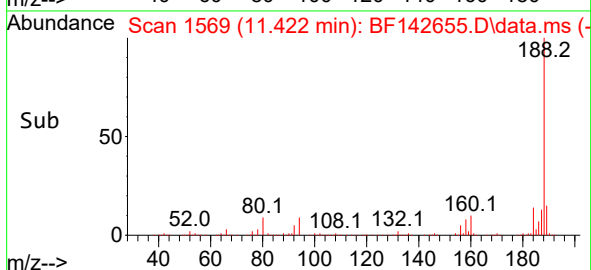
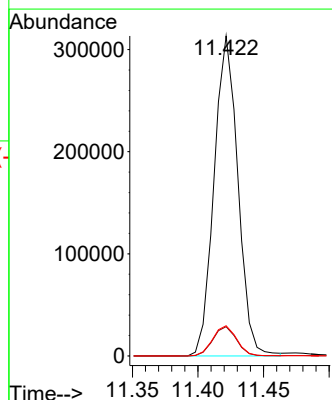
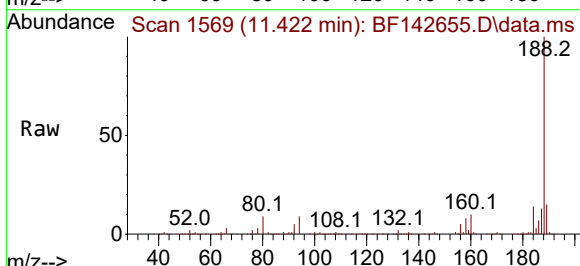
Tgt Ion:188 Resp: 395473

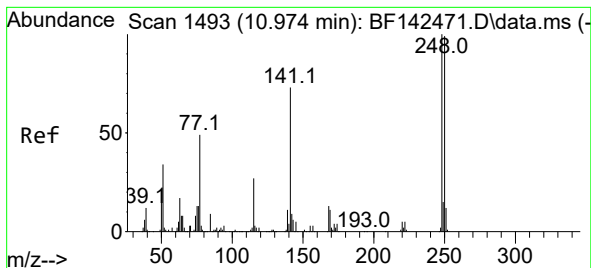
Ion Ratio Lower Upper

188 100

94 9.1 6.6 10.0

80 9.4 7.4 11.0

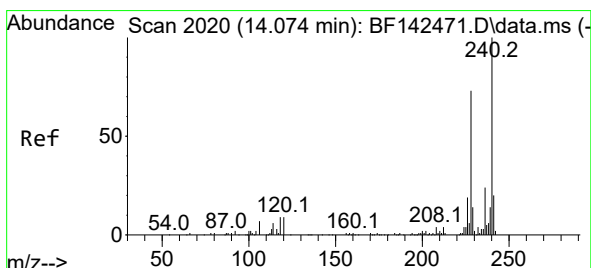
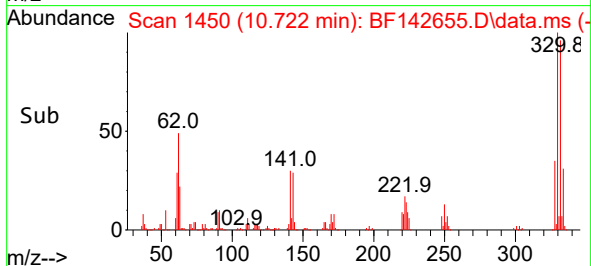
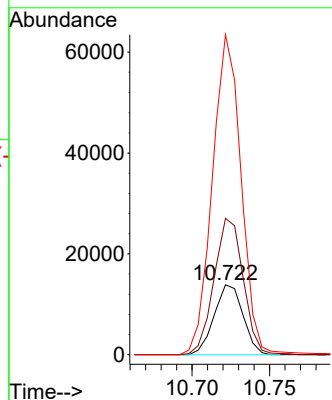
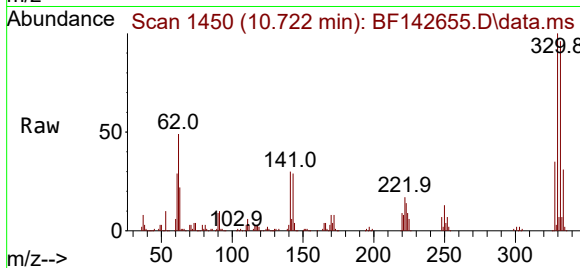




#67
4-Bromophenyl-phenylether
Concen: 3.835 ng
RT: 10.722 min Scan# 1493
Delta R.T. -0.253 min
Lab File: BF142655.D
Acq: 06 Jun 2025 19:32

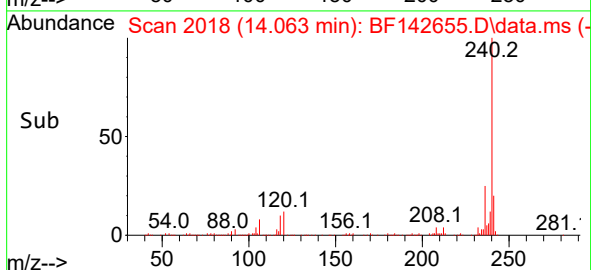
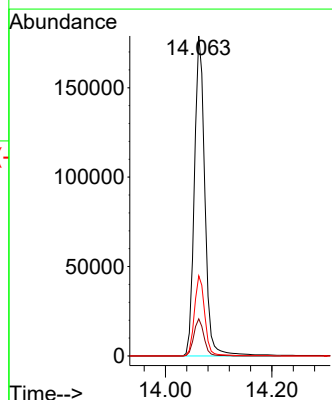
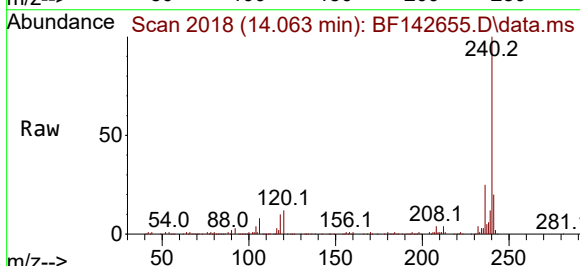
Instrument :
BNA_F
ClientSampleId :
BU-703-COMP-03

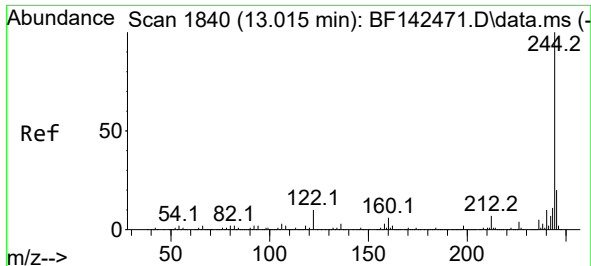
Tgt Ion:248 Resp: 17933
Ion Ratio Lower Upper
248 100
250 195.0 79.0 118.4#
141 457.8 58.4 87.6#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.063 min Scan# 2018
Delta R.T. -0.012 min
Lab File: BF142655.D
Acq: 06 Jun 2025 19:32

Tgt Ion:240 Resp: 245840
Ion Ratio Lower Upper
240 100
120 11.6 7.5 11.3#
236 25.1 19.6 29.4

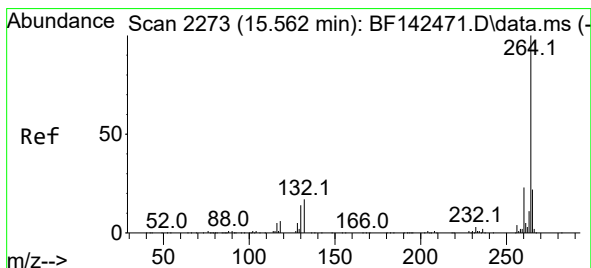
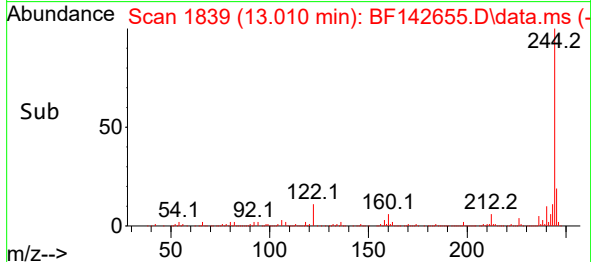
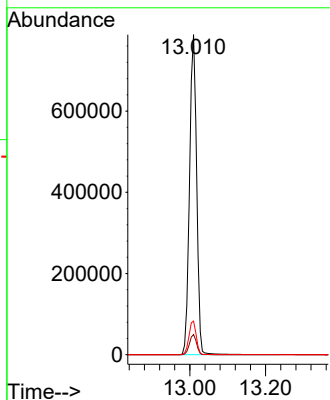
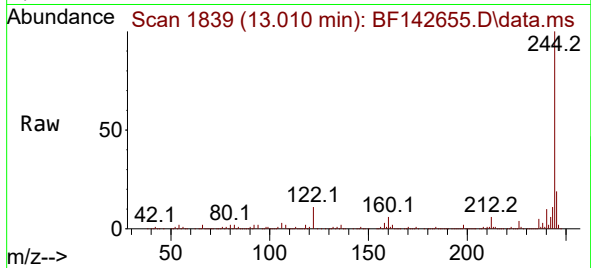




#79
 Terphenyl-d14
 Concen: 56.835 ng
 RT: 13.010 min Scan# 1839
 Delta R.T. -0.006 min
 Lab File: BF142655.D
 Acq: 06 Jun 2025 19:32

Instrument :
 BNA_F
 ClientSampleId :
 BU-703-COMP-03

Tgt Ion:244 Resp: 1022461
 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: 15.557 min Scan# 2272
 Delta R.T. -0.012 min
 Lab File: BF142655.D
 Acq: 06 Jun 2025 19:32

Tgt Ion:264 Resp: 286002
 Ion Ratio Lower Upper
 264 100
 260 23.4 18.6 28.0
 265 21.0 17.7 26.5

