

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060225\
 Data File : BF142600.D
 Acq On : 02 Jun 2025 17:11
 Operator : RC/JU
 Sample : Q2149-01DL 5X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 02 17:33:09 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)

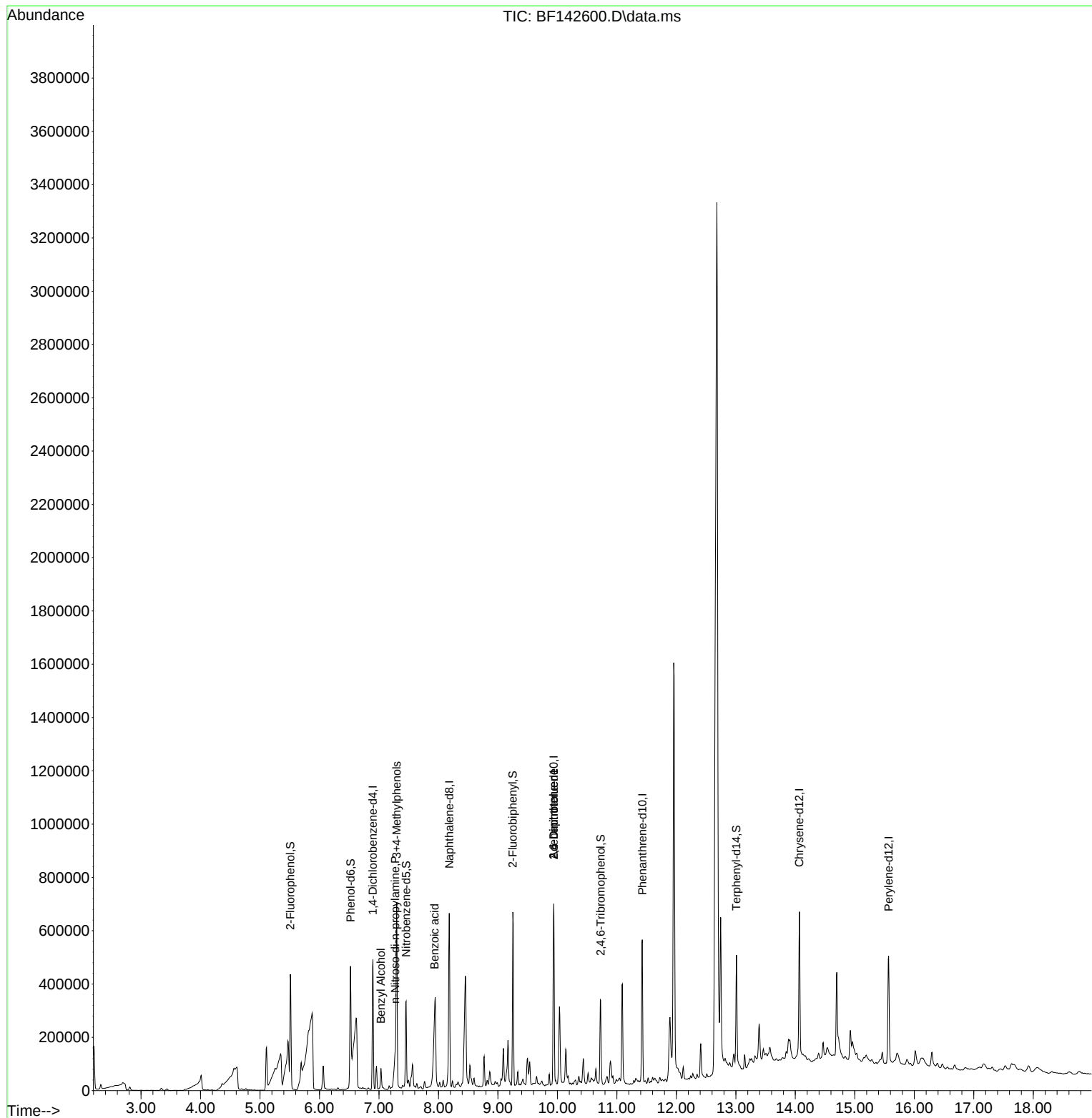
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.898	152	108020	20.000	ng	0.00
21) Naphthalene-d8	8.181	136	403340	20.000	ng	0.00
39) Acenaphthene-d10	9.939	164	202770	20.000	ng	0.00
64) Phenanthrene-d10	11.427	188	287091	20.000	ng	0.00
76) Chrysene-d12	14.068	240	219560	20.000	ng	0.00
86) Perylene-d12	15.568	264	244032	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	166002	25.891	ng	0.00
7) Phenol-d6	6.522	99	181610	23.531	ng	-0.01
23) Nitrobenzene-d5	7.457	82	138869	18.774	ng	-0.02
42) 2,4,6-Tribromophenol	10.727	330	54718	24.314	ng	-0.01
45) 2-Fluorobiphenyl	9.251	172	287136	19.002	ng	-0.02
79) Terphenyl-d14	13.010	244	188080	11.706	ng	0.00
Target Compounds						
						Qvalue
15) Benzyl Alcohol	7.034	79	19655	3.446	ng	97
19) n-Nitroso-di-n-propyla...	7.275	70	9646	2.017	ng	# 31
20) 3+4-Methylphenols	7.298	107	236135	33.819	ng	# 54
32) Benzoic acid	7.934	122	10971	2.867	ng	98
51) 2,6-Dinitrotoluene	9.939	165	25711	8.904	ng	# 28
57) 2,4-Dinitrotoluene	9.939	165	25711	6.818	ng	# 29

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

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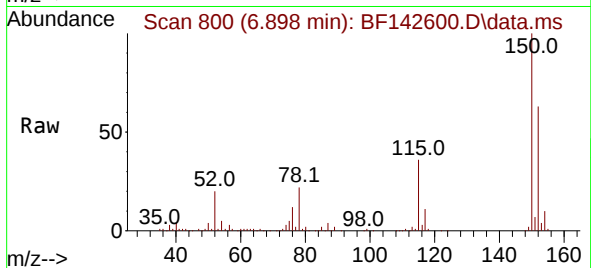
Quant Time: Jun 02 17:33:09 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 20 16:26:47 2025
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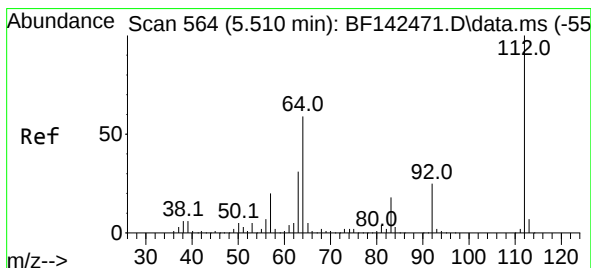
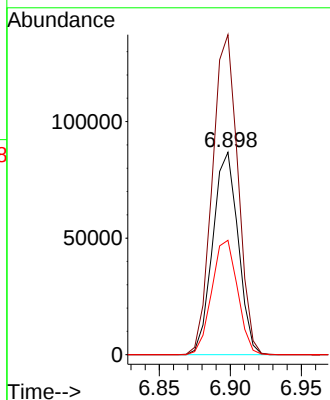
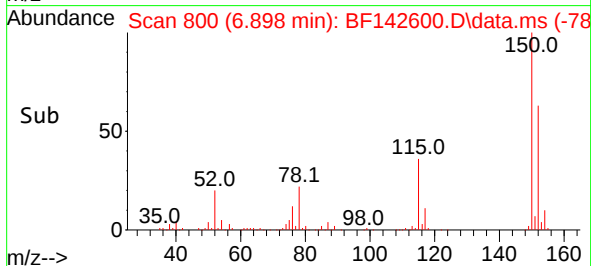


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.898 min Scan# 800
Delta R.T. -0.006 min
Lab File: BF142600.D
Acq: 02 Jun 2025 17:11

Instrument :
BNA_F
ClientSampleId :

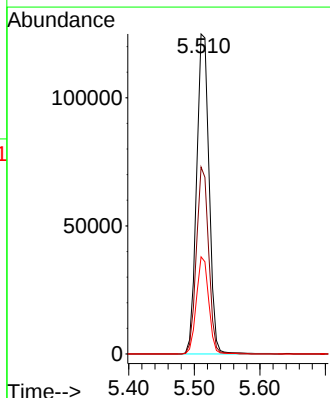
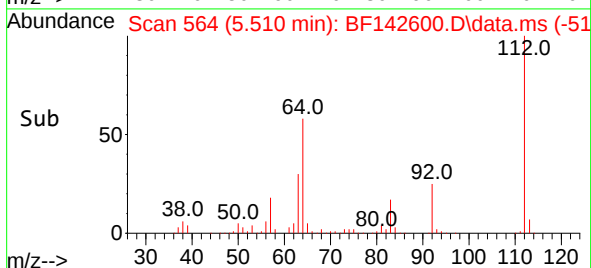
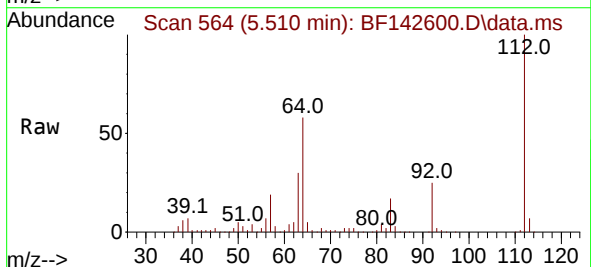


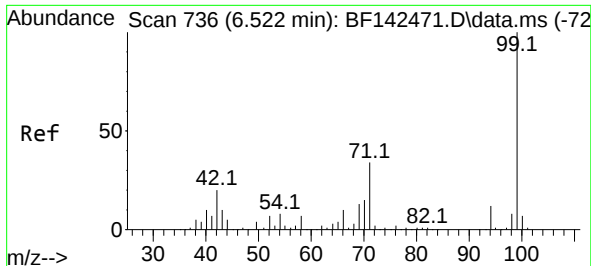
Tgt Ion:152 Resp: 108020
Ion Ratio Lower Upper
152 100
150 158.1 128.2 192.4
115 56.6 48.3 72.5



#5
2-Fluorophenol
Concen: 25.891 ng
RT: 5.510 min Scan# 564
Delta R.T. -0.006 min
Lab File: BF142600.D
Acq: 02 Jun 2025 17:11

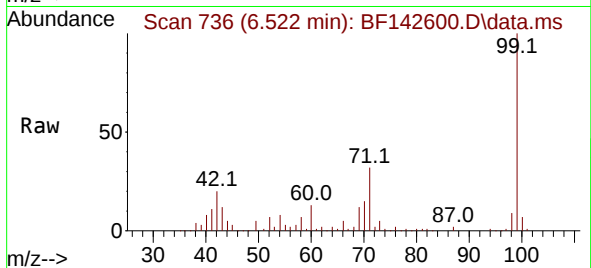
Tgt Ion:112 Resp: 166002
Ion Ratio Lower Upper
112 100
64 58.4 47.5 71.3
63 30.3 24.9 37.3



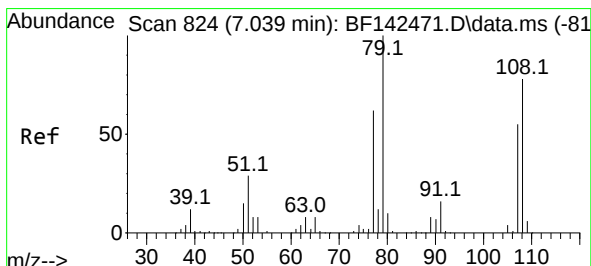
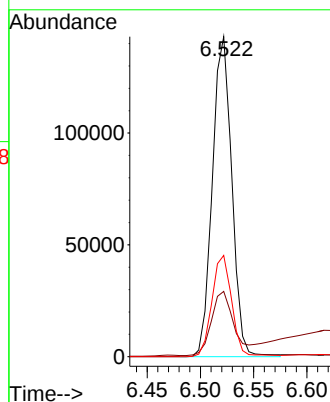
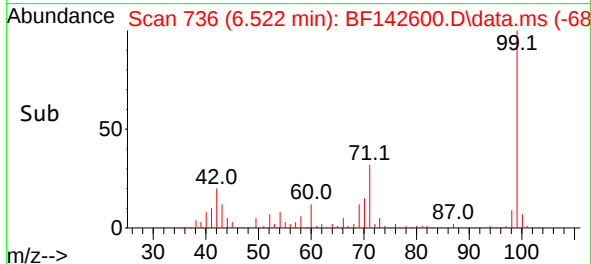


#7
Phenol-d6
Concen: 23.531 ng
RT: 6.522 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF142600.D
Acq: 02 Jun 2025 17:11

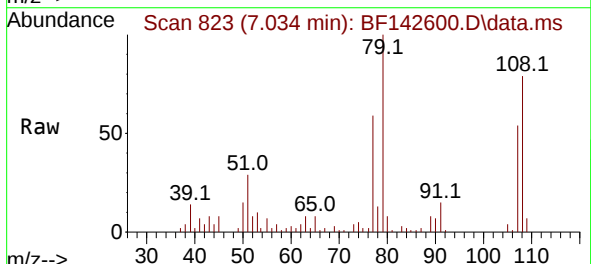
Instrument :
BNA_F
ClientSampleId :



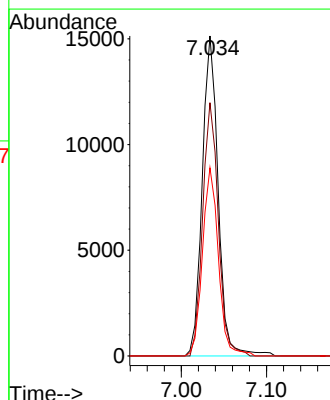
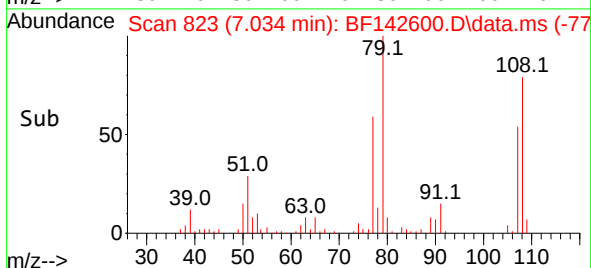
Tgt Ion: 99 Resp: 181610
Ion Ratio Lower Upper
99 100
42 20.4 16.2 24.2
71 31.7 27.3 40.9

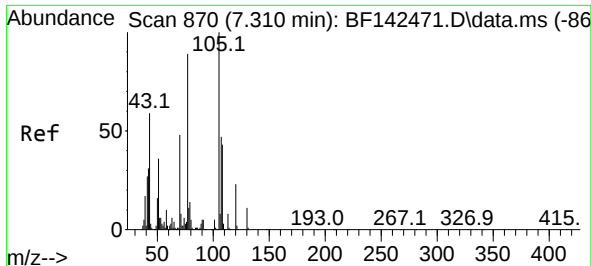


#15
Benzyl Alcohol
Concen: 3.446 ng
RT: 7.034 min Scan# 823
Delta R.T. -0.012 min
Lab File: BF142600.D
Acq: 02 Jun 2025 17:11



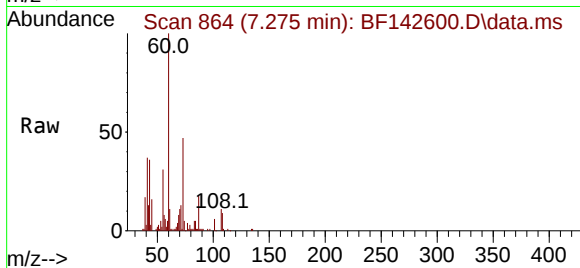
Tgt Ion: 79 Resp: 19655
Ion Ratio Lower Upper
79 100
108 79.1 62.1 93.1
77 58.8 49.5 74.3



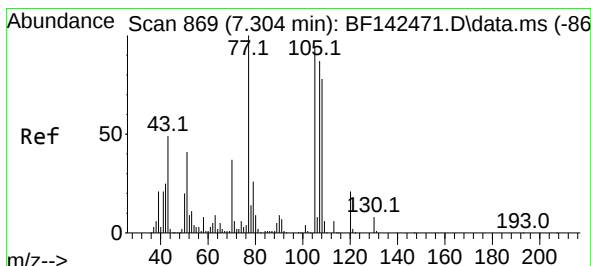
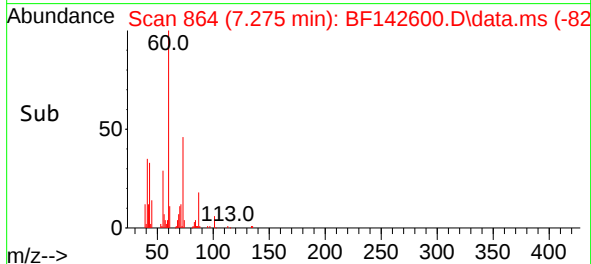
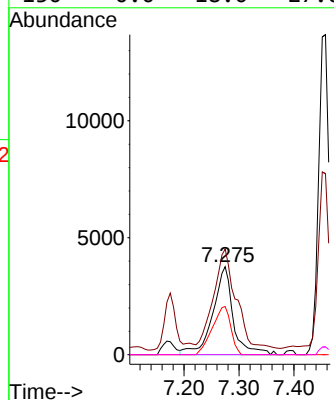


#19
n-Nitroso-di-n-propylamine
Concen: 2.017 ng
RT: 7.275 min Scan# 864
Delta R.T. -0.053 min
Lab File: BF142600.D
Acq: 02 Jun 2025 17:11

Instrument :
BNA_F
ClientSampleId :

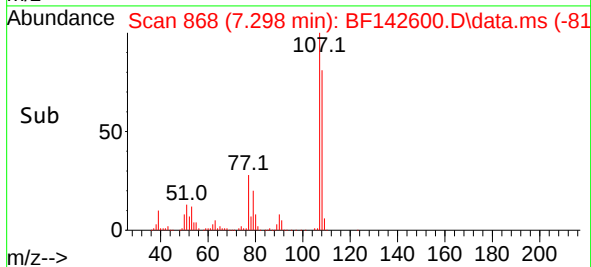
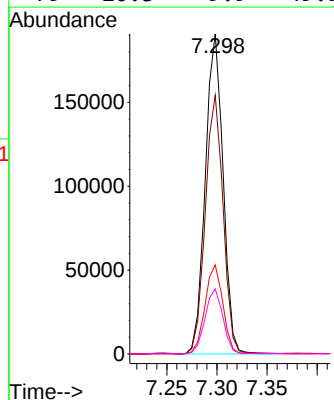
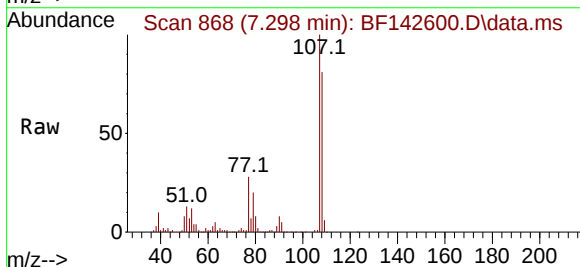


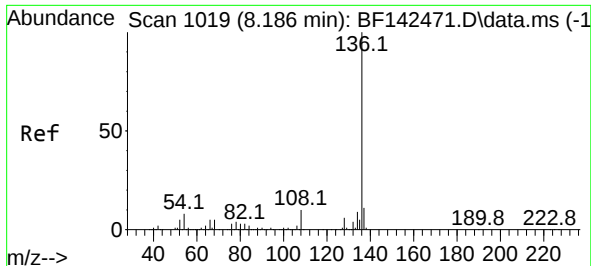
Tgt Ion: 70 Resp: 9646
Ion Ratio Lower Upper
70 100
42 119.8 52.4 78.6#
101 54.7 7.8 11.8#
130 0.0 18.0 27.0#



#20
3+4-Methylphenols
Concen: 33.819 ng
RT: 7.298 min Scan# 868
Delta R.T. -0.012 min
Lab File: BF142600.D
Acq: 02 Jun 2025 17:11

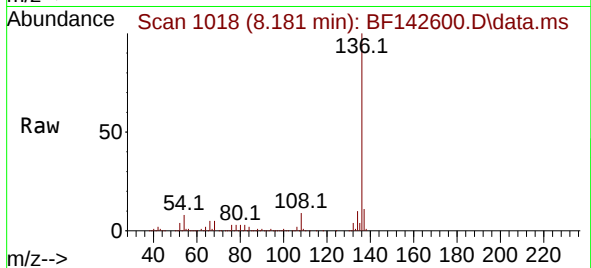
Tgt Ion: 107 Resp: 236135
Ion Ratio Lower Upper
107 100
108 80.8 70.4 110.4
77 27.9 95.4 135.4#
79 20.3 9.9 49.9



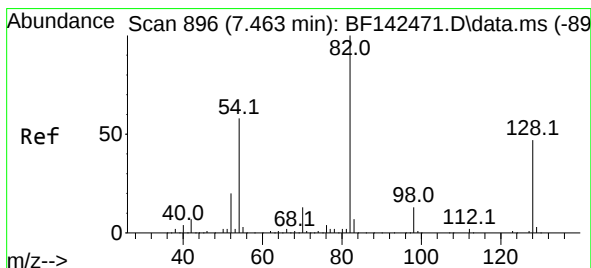
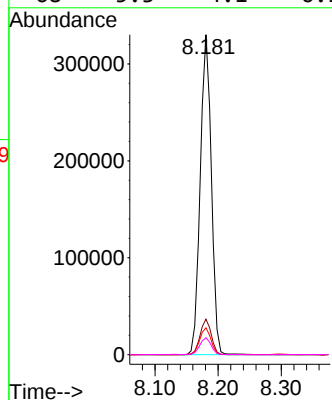
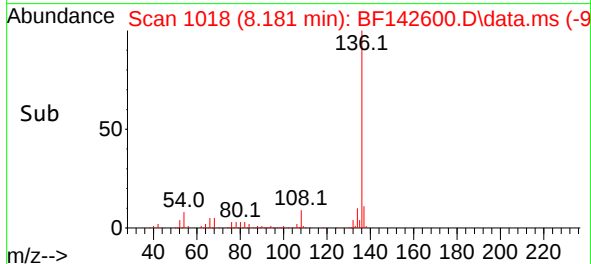


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.181 min Scan# 1019
Delta R.T. -0.006 min
Lab File: BF142600.D
Acq: 02 Jun 2025 17:11

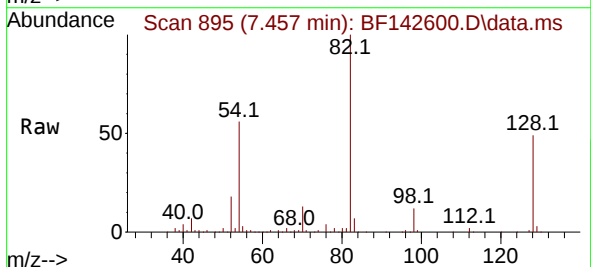
Instrument :
BNA_F
ClientSampleId :



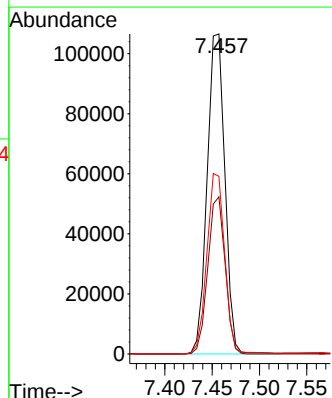
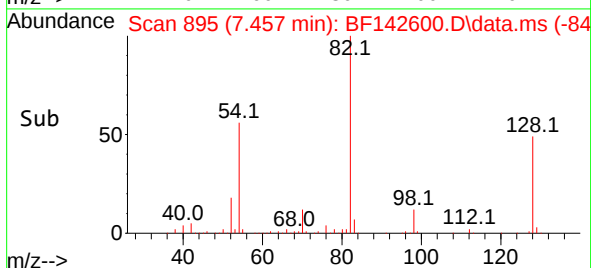
Tgt Ion:136 Resp: 403340
Ion Ratio Lower Upper
136 100
137 11.1 8.6 13.0
54 8.4 6.6 10.0
68 5.3 4.1 6.1

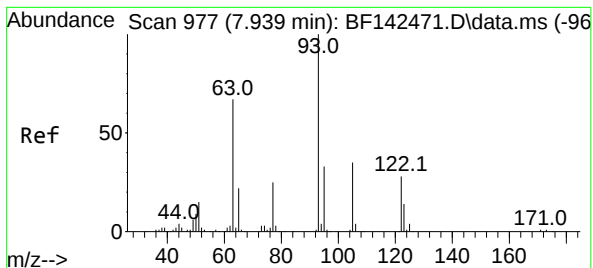


#23
Nitrobenzene-d5
Concen: 18.774 ng
RT: 7.457 min Scan# 895
Delta R.T. -0.018 min
Lab File: BF142600.D
Acq: 02 Jun 2025 17:11



Tgt Ion: 82 Resp: 138869
Ion Ratio Lower Upper
82 100
128 49.1 37.4 56.2
54 55.5 46.6 70.0





#32

Benzoic acid

Concen: 2.867 ng

RT: 7.934 min Scan# 91

Delta R.T. -0.041 min

Lab File: BF142600.D

Acq: 02 Jun 2025 17:11

Instrument :

BNA_F

ClientSampleId :

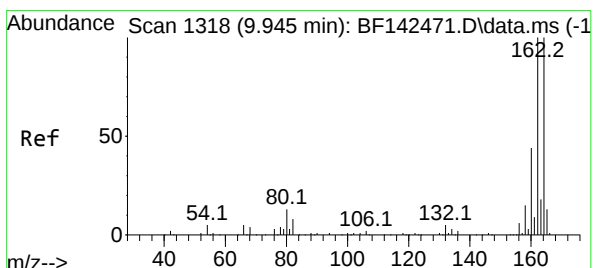
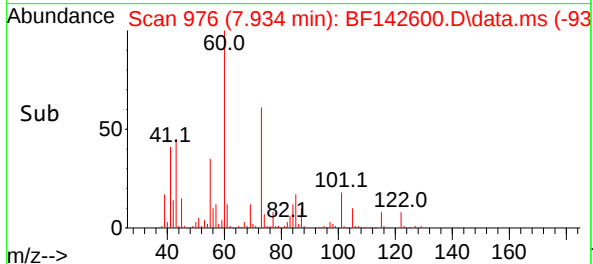
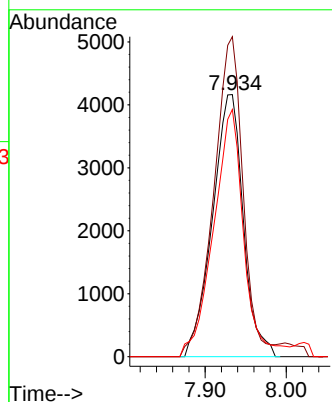
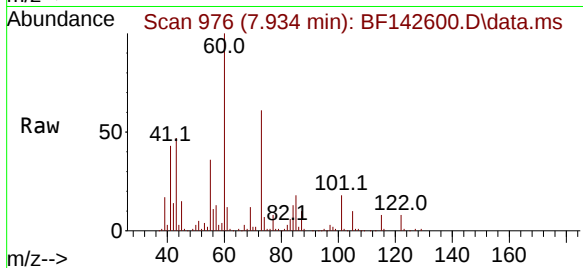
Tgt Ion:122 Resp: 10971

Ion Ratio Lower Upper

122 100

105 122.1 101.7 141.7

77 94.3 69.5 109.5



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.939 min Scan# 1317

Delta R.T. -0.006 min

Lab File: BF142600.D

Acq: 02 Jun 2025 17:11

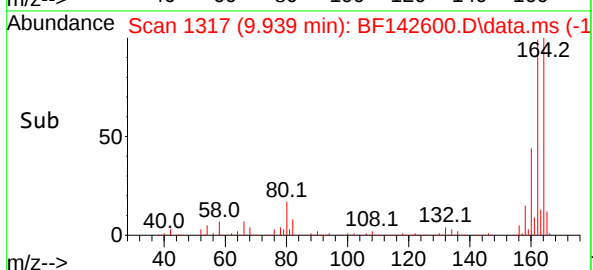
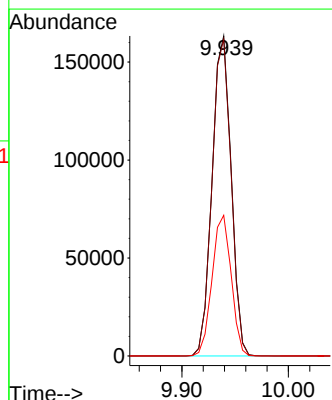
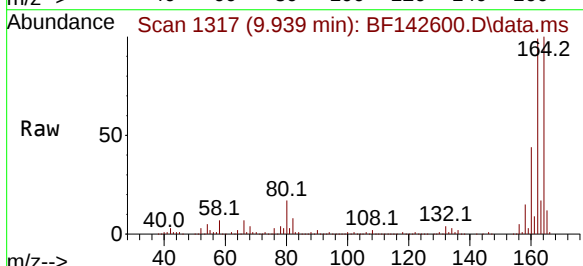
Tgt Ion:164 Resp: 202770

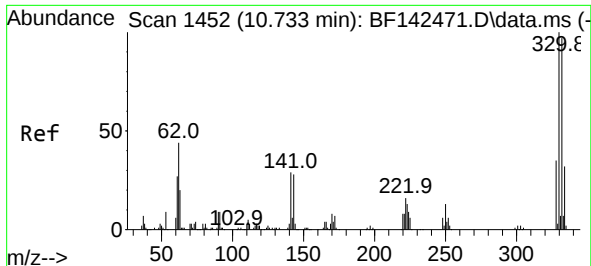
Ion Ratio Lower Upper

164 100

162 99.0 80.2 120.4

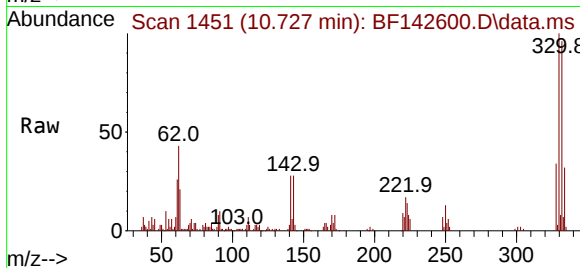
160 44.0 35.6 53.4



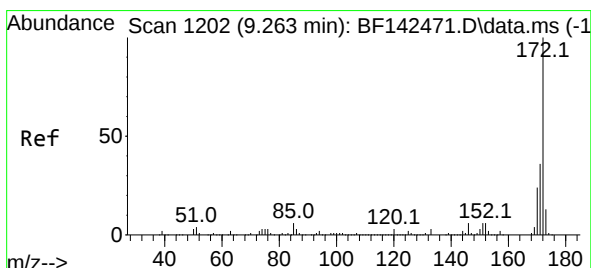
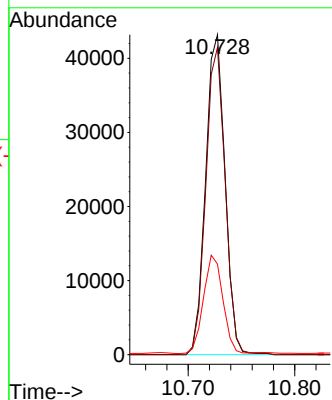
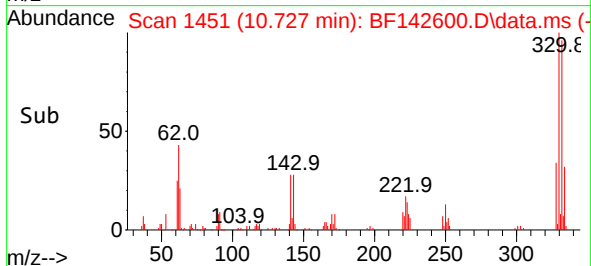


#42
2,4,6-Tribromophenol
Concen: 24.314 ng
RT: 10.727 min Scan# 1452
Delta R.T. -0.012 min
Lab File: BF142600.D
Acq: 02 Jun 2025 17:11

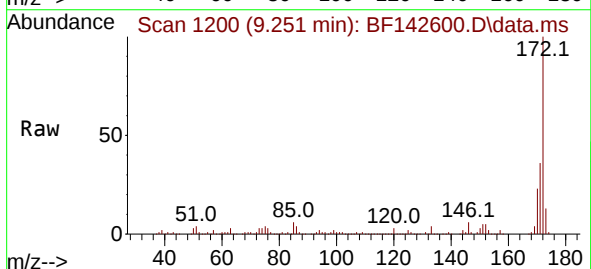
Instrument :
BNA_F
ClientSampleId :



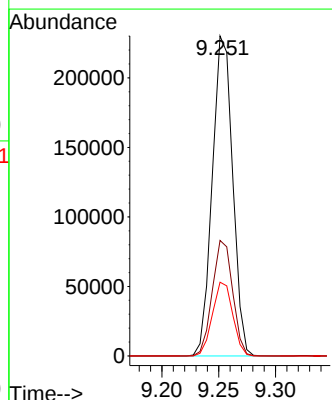
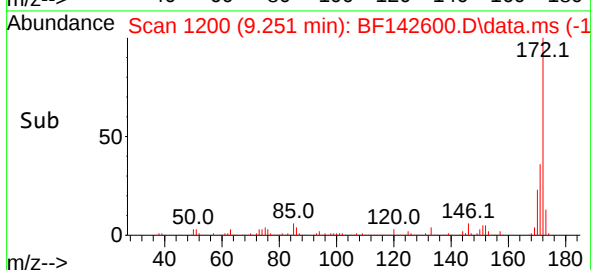
Tgt Ion:330 Resp: 54718
Ion Ratio Lower Upper
330 100
332 95.8 77.6 116.4
141 30.8 24.6 36.8

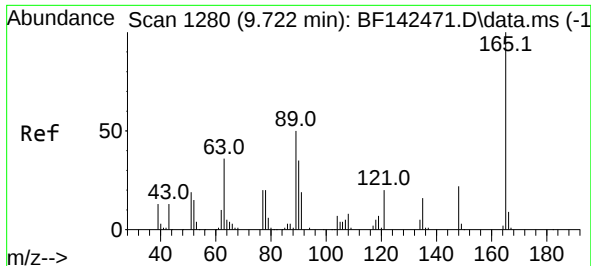


#45
2-Fluorobiphenyl
Concen: 19.002 ng
RT: 9.251 min Scan# 1200
Delta R.T. -0.018 min
Lab File: BF142600.D
Acq: 02 Jun 2025 17:11



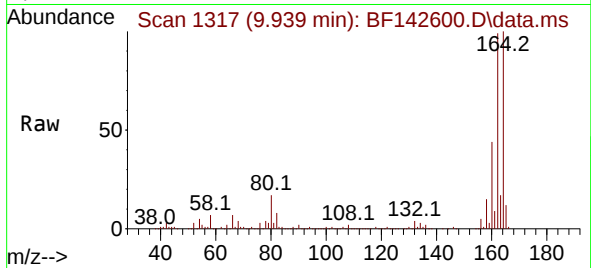
Tgt Ion:172 Resp: 287136
Ion Ratio Lower Upper
172 100
171 36.1 28.6 42.8
170 23.1 18.9 28.3



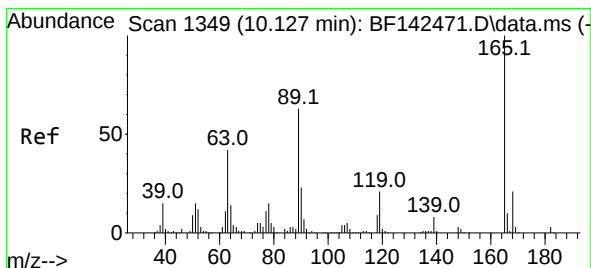
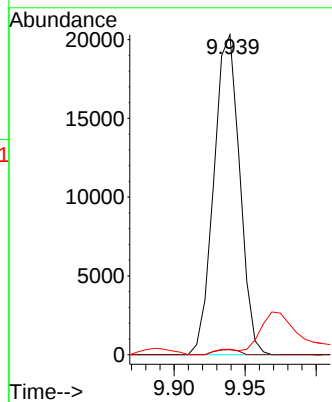
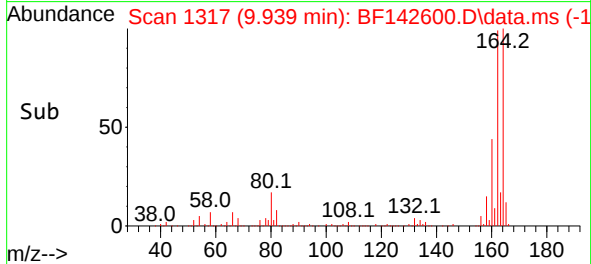


#51
2,6-Dinitrotoluene
Concen: 8.904 ng
RT: 9.939 min Scan# 11
Delta R.T. 0.212 min
Lab File: BF142600.D
Acq: 02 Jun 2025 17:11

Instrument :
BNA_F
ClientSampleId :

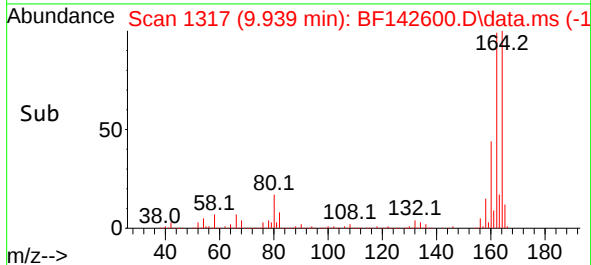
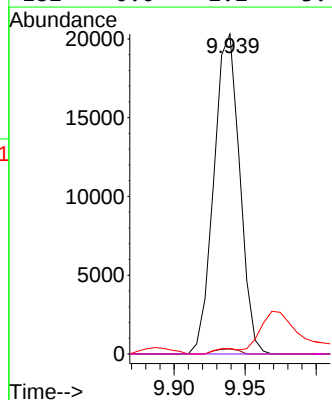
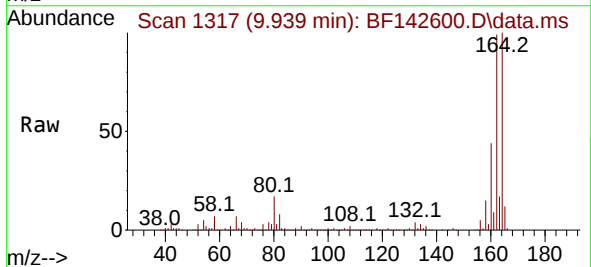


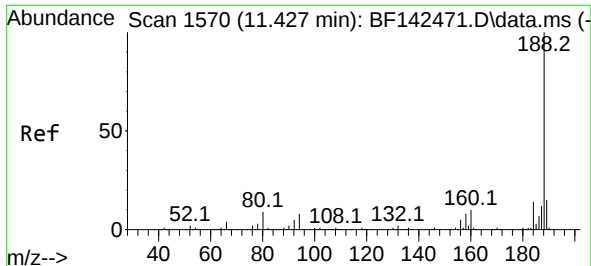
Tgt Ion:165 Resp: 25711
Ion Ratio Lower Upper
165 100
63 1.6 42.9 64.3#
89 1.7 40.2 60.4#



#57
2,4-Dinitrotoluene
Concen: 6.818 ng
RT: 9.939 min Scan# 1317
Delta R.T. -0.194 min
Lab File: BF142600.D
Acq: 02 Jun 2025 17:11

Tgt Ion:165 Resp: 25711
Ion Ratio Lower Upper
165 100
63 1.6 33.6 50.4#
89 1.7 50.2 75.4#
182 0.0 2.2 3.4#

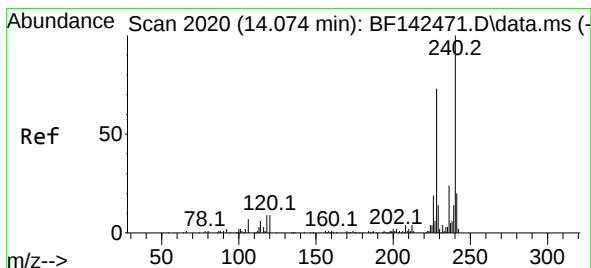
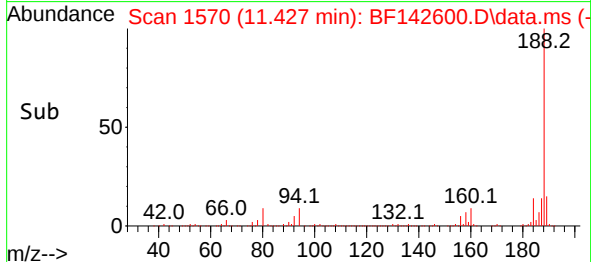
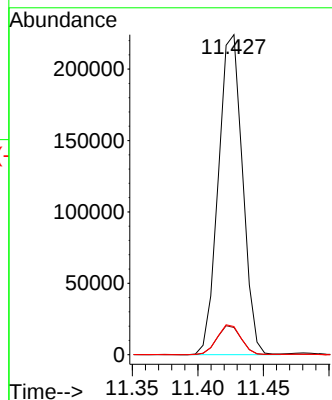
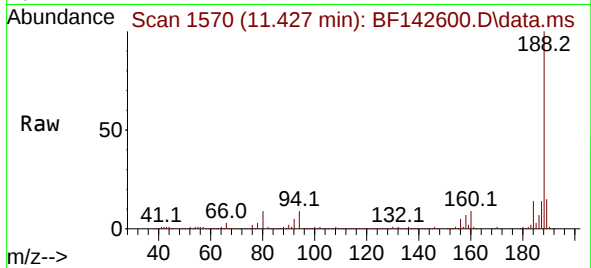




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.427 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142600.D
Acq: 02 Jun 2025 17:11

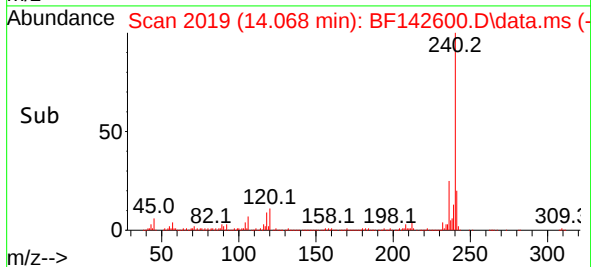
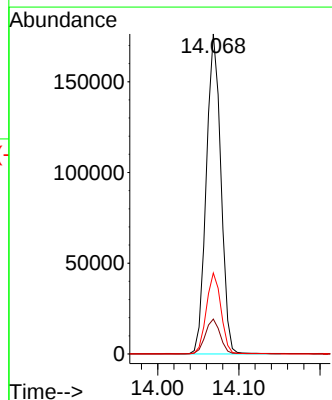
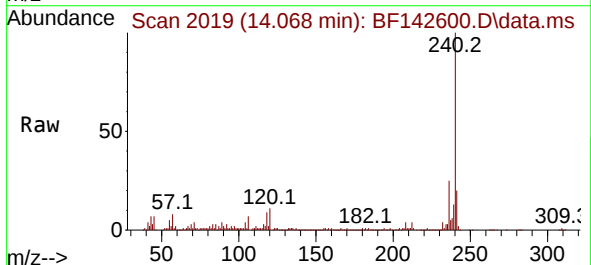
Instrument :
BNA_F
ClientSampleId :

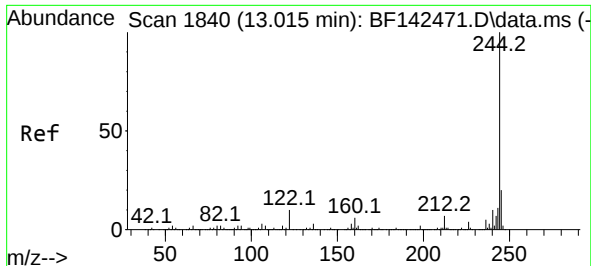
Tgt Ion:188 Resp: 287091
Ion Ratio Lower Upper
188 100
94 8.5 6.6 10.0
80 8.8 7.4 11.0



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.068 min Scan# 2019
Delta R.T. -0.006 min
Lab File: BF142600.D
Acq: 02 Jun 2025 17:11

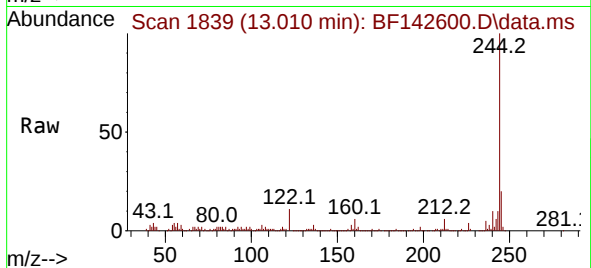
Tgt Ion:240 Resp: 219560
Ion Ratio Lower Upper
240 100
120 10.9 7.5 11.3
236 25.3 19.6 29.4



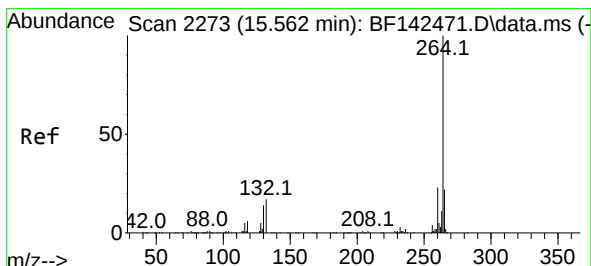
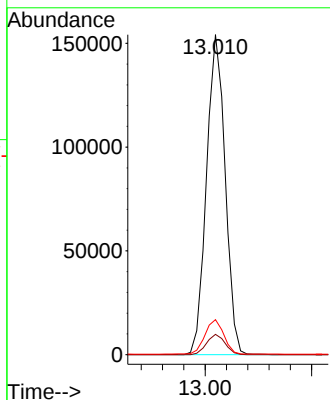
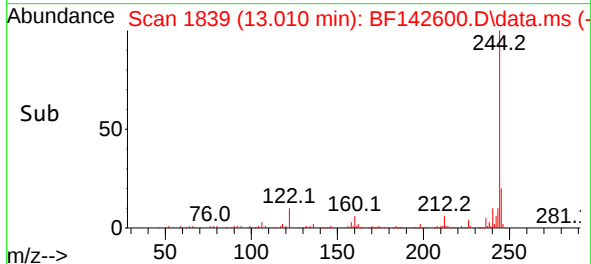


#79
 Terphenyl-d14
 Concen: 11.706 ng
 RT: 13.010 min Scan# 1839
 Delta R.T. -0.006 min
 Lab File: BF142600.D
 Acq: 02 Jun 2025 17:11

Instrument :
 BNA_F
 ClientSampleId :



Tgt Ion:244 Resp: 188080
 Ion Ratio Lower Upper
 244 100
 212 6.3 5.3 7.9
 122 10.9 8.2 12.2



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.568 min Scan# 2274
 Delta R.T. 0.000 min
 Lab File: BF142600.D
 Acq: 02 Jun 2025 17:11

Tgt Ion:264 Resp: 244032
 Ion Ratio Lower Upper
 264 100
 260 24.2 18.6 28.0
 265 21.7 17.7 26.5

