

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061825\
 Data File : BF142784.D
 Acq On : 18 Jun 2025 18:33
 Operator : RC/JU
 Sample : Q2341-04
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-9

Quant Time: Jun 19 02:13:28 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061125.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 11 05:56:09 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

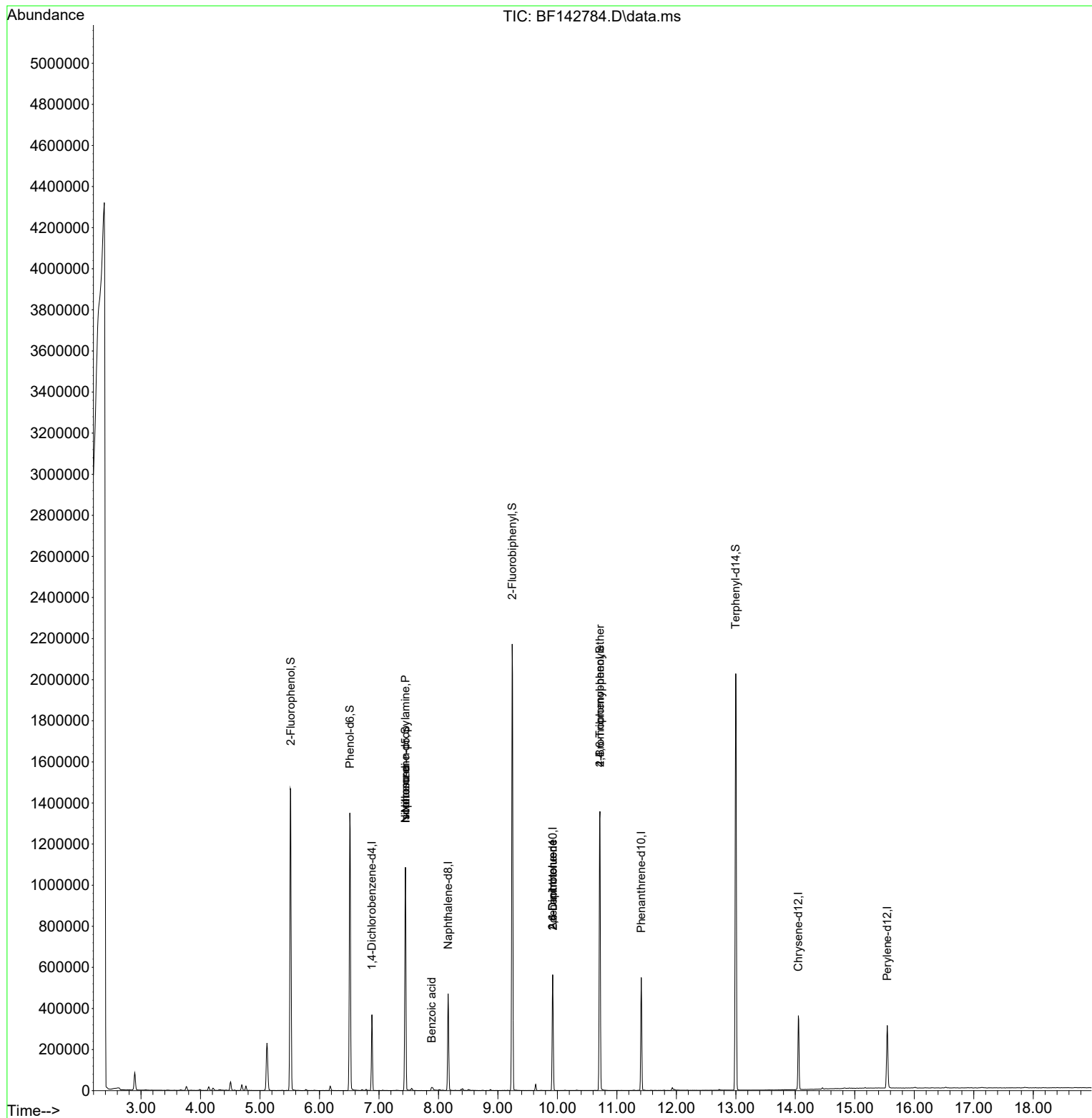
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	78932	20.000	ng	-0.01
21) Naphthalene-d8	8.163	136	302624	20.000	ng	-0.02
39) Acenaphthene-d10	9.922	164	168043	20.000	ng	-0.02
64) Phenanthrene-d10	11.410	188	284810	20.000	ng	-0.01
76) Chrysene-d12	14.051	240	179982	20.000	ng	-0.02
86) Perylene-d12	15.545	264	181375	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	594918	128.368	ng	0.01
7) Phenol-d6	6.510	99	656029	120.282	ng	-0.01
23) Nitrobenzene-d5	7.445	82	483972	87.523	ng	-0.01
42) 2,4,6-Tribromophenol	10.716	330	252841	137.285	ng	-0.01
45) 2-Fluorobiphenyl	9.239	172	1017940	80.479	ng	-0.02
79) Terphenyl-d14	12.998	244	1009475	77.033	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.445	70	65268	18.797	ng	# 77
25) Isophorone	7.445	82	482190	51.502	ng	# 63
32) Benzoic acid	7.887	122	6794	2.587	ng	90
51) 2,6-Dinitrotoluene	9.922	165	21132	8.713	ng	# 29
57) 2,4-Dinitrotoluene	9.922	165	21132	6.590	ng	# 27
67) 4-Bromophenyl-phenylether	10.716	248	16116	4.794	ng	# 1

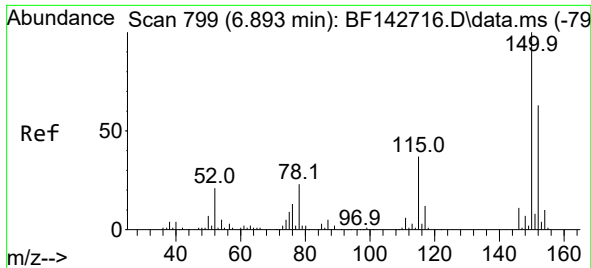
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jun 19 02:13:28 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 11 05:56:09 2025
Response via : Initial Calibration

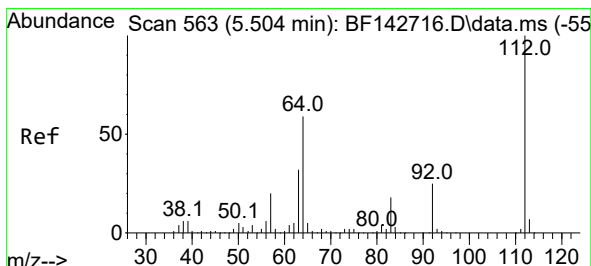
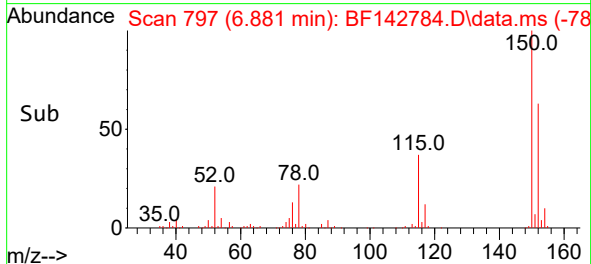
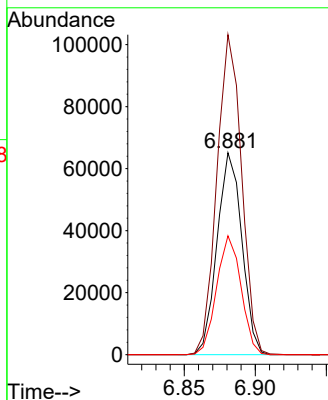
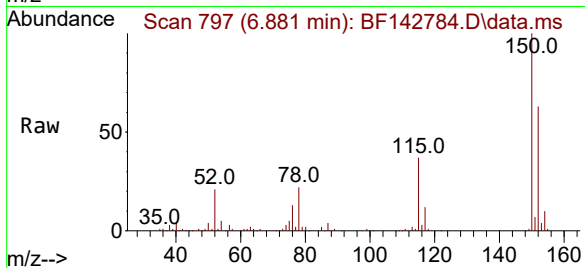




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.881 min Scan# 799
 Delta R.T. -0.012 min
 Lab File: BF142784.D
 Acq: 18 Jun 2025 18:33

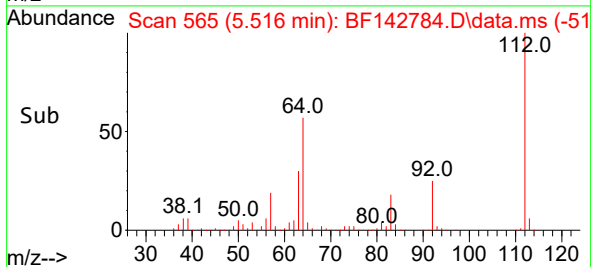
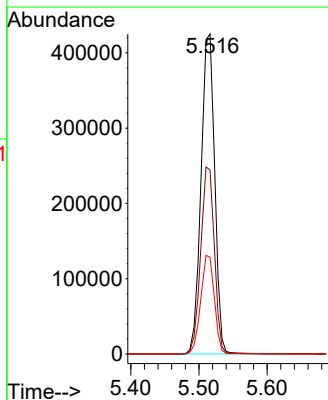
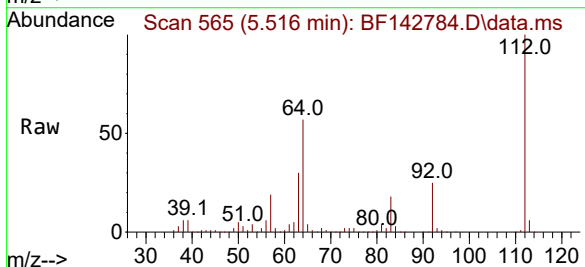
Instrument :
 BNA_F
 ClientSampleId :
 TP-9

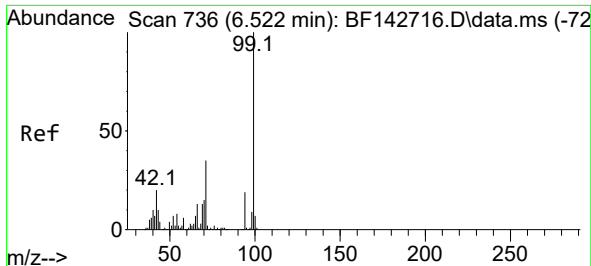
Tgt Ion:152 Resp: 78932
 Ion Ratio Lower Upper
 152 100
 150 158.5 126.9 190.3
 115 58.9 47.0 70.6



#5
 2-Fluorophenol
 Concen: 128.368 ng
 RT: 5.516 min Scan# 565
 Delta R.T. 0.012 min
 Lab File: BF142784.D
 Acq: 18 Jun 2025 18:33

Tgt Ion:112 Resp: 594918
 Ion Ratio Lower Upper
 112 100
 64 57.5 47.4 71.2
 63 30.3 25.4 38.0

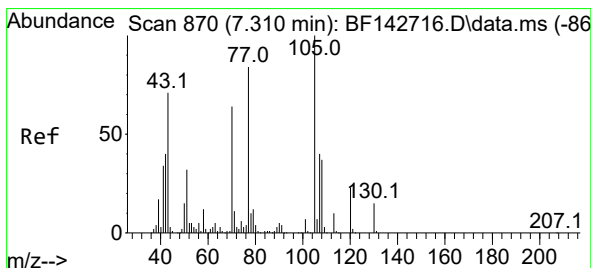
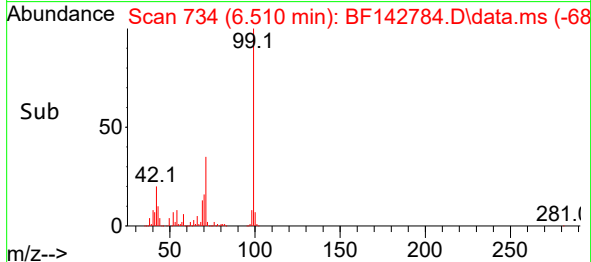
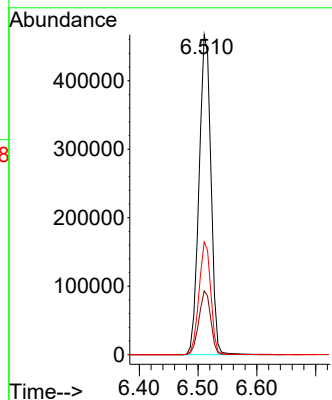
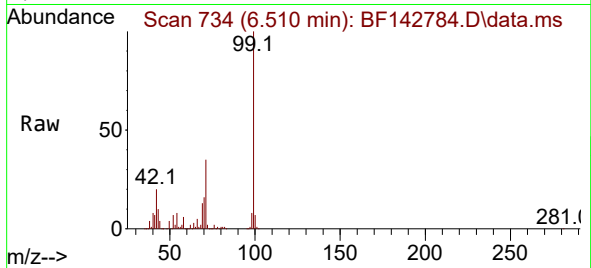




#7
Phenol-d6
Concen: 120.282 ng
RT: 6.510 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF142784.D
Acq: 18 Jun 2025 18:33

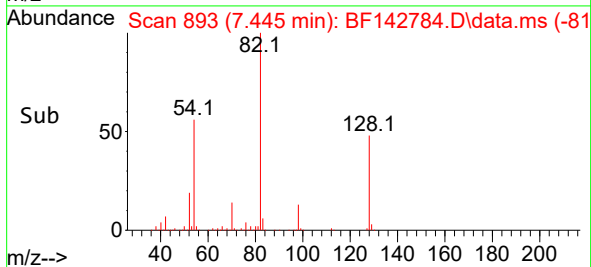
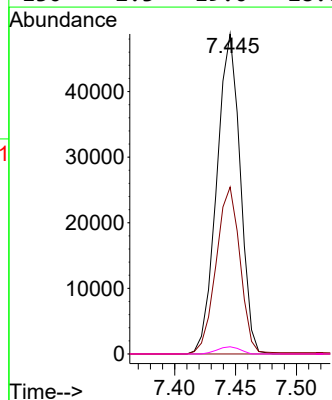
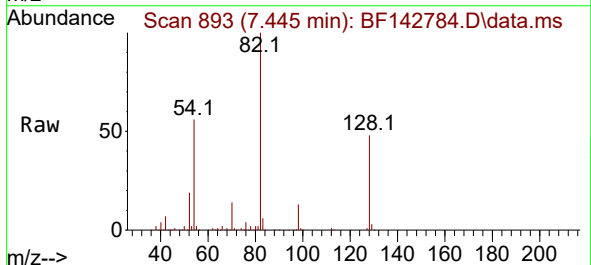
Instrument :
BNA_F
ClientSampleId :
TP-9

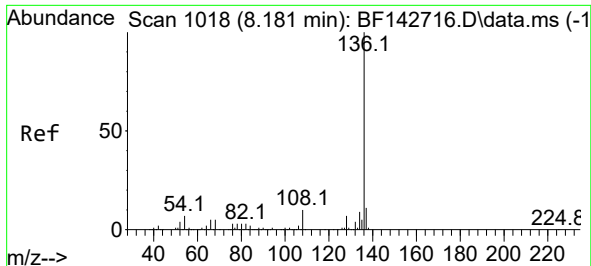
Tgt Ion: 99 Resp: 656029
Ion Ratio Lower Upper
99 100
42 19.9 15.9 23.9
71 35.3 28.0 42.0



#19
n-Nitroso-di-n-propylamine
Concen: 18.797 ng
RT: 7.445 min Scan# 893
Delta R.T. 0.135 min
Lab File: BF142784.D
Acq: 18 Jun 2025 18:33

Tgt Ion: 70 Resp: 65268
Ion Ratio Lower Upper
70 100
42 52.2 50.2 75.4
101 0.0 8.3 12.5#
130 2.3 19.0 28.6#

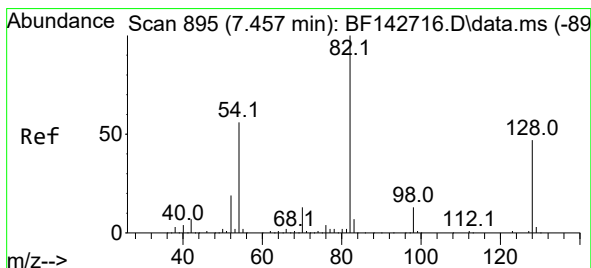
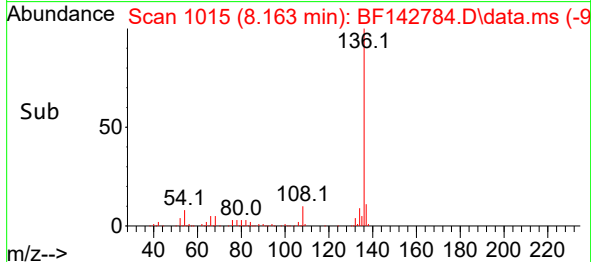
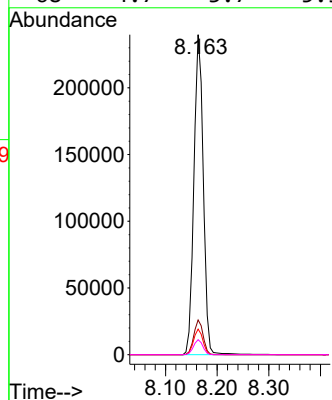
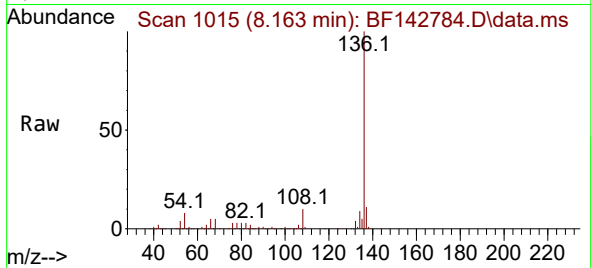




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1015
Delta R.T. -0.018 min
Lab File: BF142784.D
Acq: 18 Jun 2025 18:33

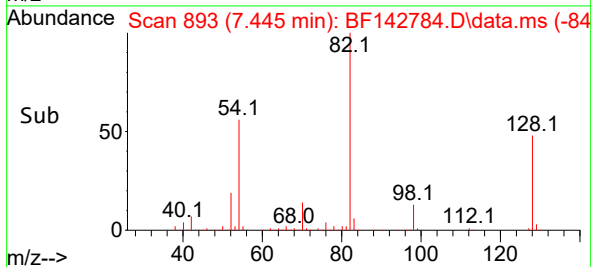
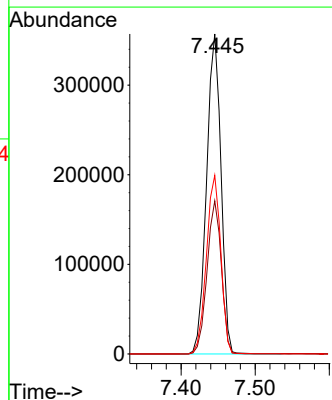
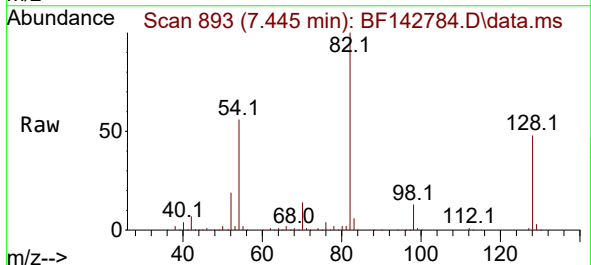
Instrument :
BNA_F
ClientSampleId :
TP-9

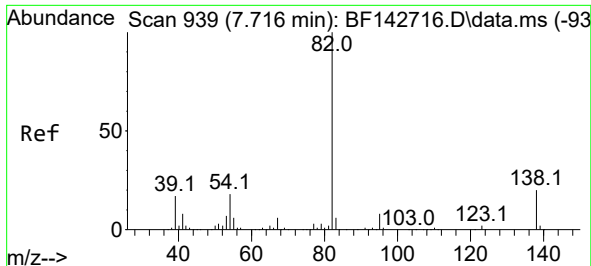
Tgt Ion:136 Resp: 302624
Ion Ratio Lower Upper
136 100
137 10.8 8.7 13.1
54 8.0 5.9 8.9
68 4.7 3.7 5.5



#23
Nitrobenzene-d5
Concen: 87.523 ng
RT: 7.445 min Scan# 893
Delta R.T. -0.012 min
Lab File: BF142784.D
Acq: 18 Jun 2025 18:33

Tgt Ion: 82 Resp: 483972
Ion Ratio Lower Upper
82 100
128 47.9 37.8 56.8
54 55.8 44.9 67.3

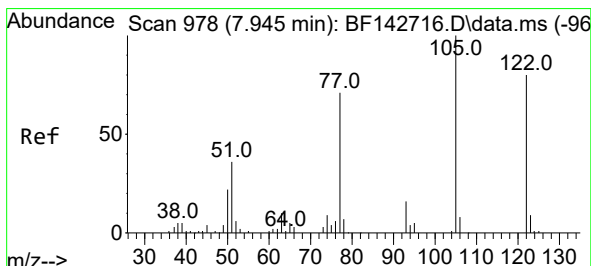
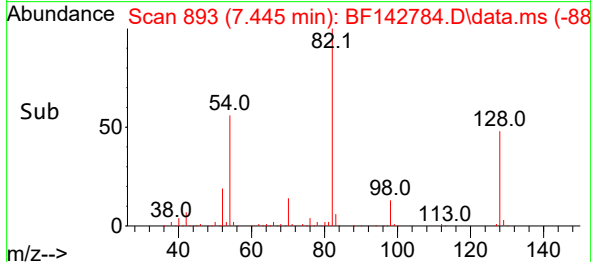
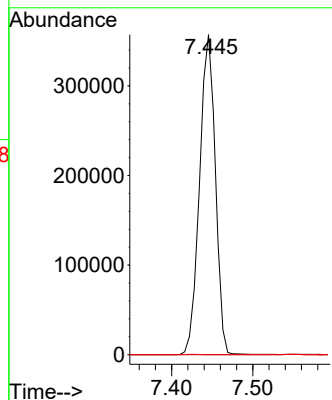
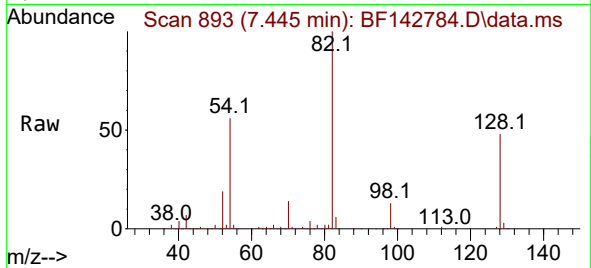




#25
Isophorone
Concen: 51.502 ng
RT: 7.445 min Scan# 893
Delta R.T. -0.271 min
Lab File: BF142784.D
Acq: 18 Jun 2025 18:33

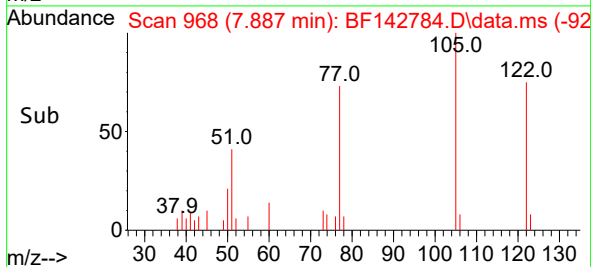
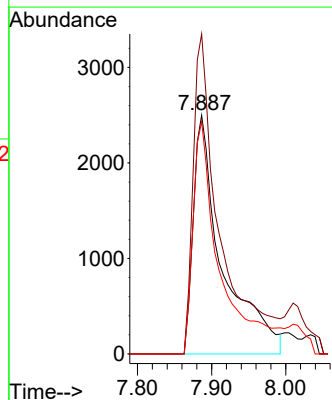
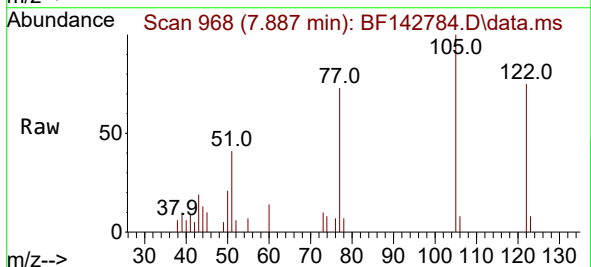
Instrument :
BNA_F
ClientSampleId :
TP-9

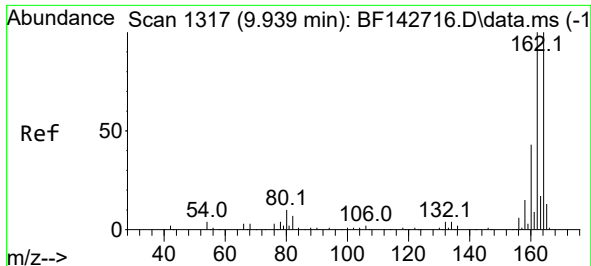
Tgt Ion: 82 Resp: 482190
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 15.8 23.6#



#32
Benzoic acid
Concen: 2.587 ng
RT: 7.887 min Scan# 968
Delta R.T. -0.059 min
Lab File: BF142784.D
Acq: 18 Jun 2025 18:33

Tgt Ion:122 Resp: 6794
Ion Ratio Lower Upper
122 100
105 134.0 102.6 142.6
77 97.3 68.2 108.2





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.922 min Scan# 11

Delta R.T. -0.018 min

Lab File: BF142784.D

Acq: 18 Jun 2025 18:33

Instrument :

BNA_F

ClientSampleId :

TP-9

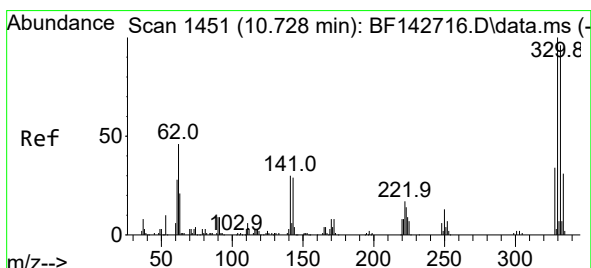
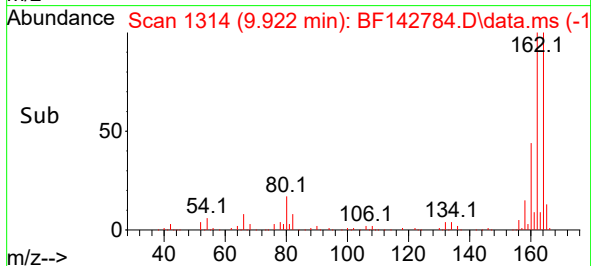
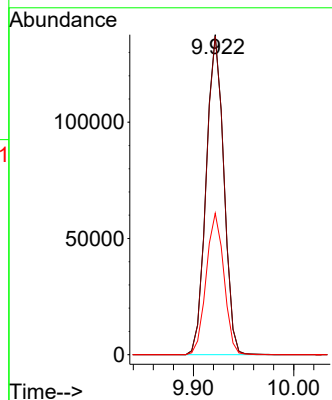
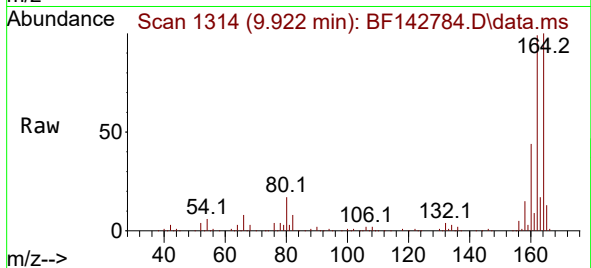
Tgt Ion:164 Resp: 168043

Ion Ratio Lower Upper

164 100

162 99.5 79.9 119.9

160 44.2 34.8 52.2



#42

2,4,6-Tribromophenol

Concen: 137.285 ng

RT: 10.716 min Scan# 1449

Delta R.T. -0.012 min

Lab File: BF142784.D

Acq: 18 Jun 2025 18:33

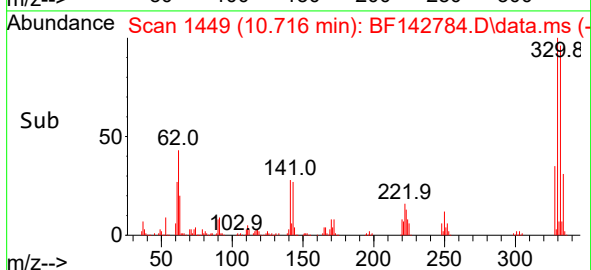
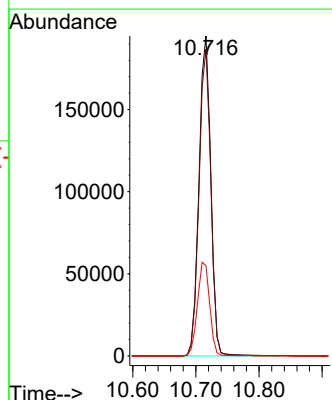
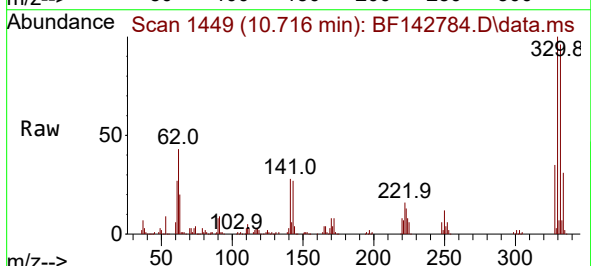
Tgt Ion:330 Resp: 252841

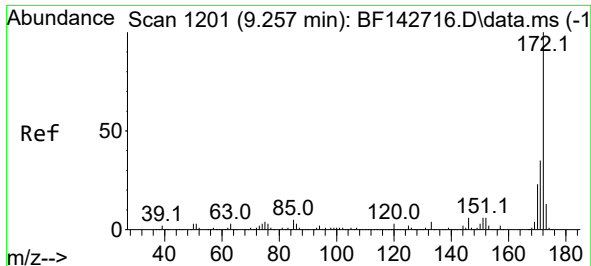
Ion Ratio Lower Upper

330 100

332 95.9 77.0 115.6

141 30.2 25.4 38.0





#45

2-Fluorobiphenyl

Concen: 80.479 ng

RT: 9.239 min Scan# 1198

Delta R.T. -0.018 min

Lab File: BF142784.D

Acq: 18 Jun 2025 18:33

Instrument :

BNA_F

ClientSampleId :

TP-9

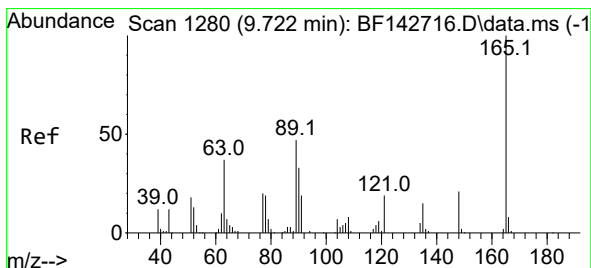
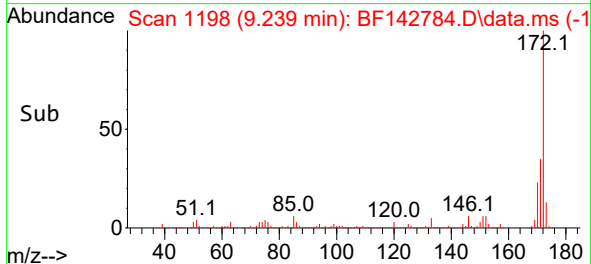
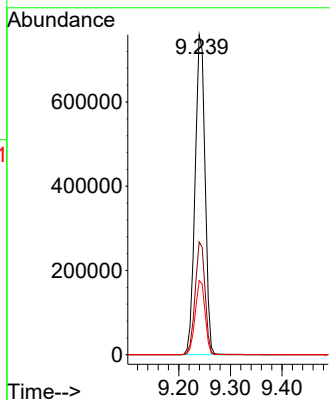
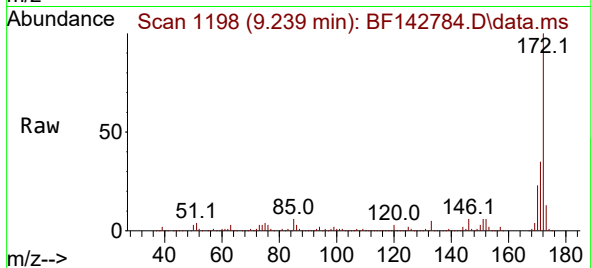
Tgt Ion:172 Resp: 1017940

Ion Ratio Lower Upper

172 100

171 35.3 28.1 42.1

170 23.1 18.6 27.8



#51

2,6-Dinitrotoluene

Concen: 8.713 ng

RT: 9.922 min Scan# 1314

Delta R.T. 0.200 min

Lab File: BF142784.D

Acq: 18 Jun 2025 18:33

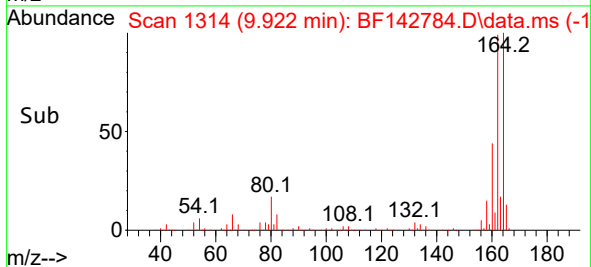
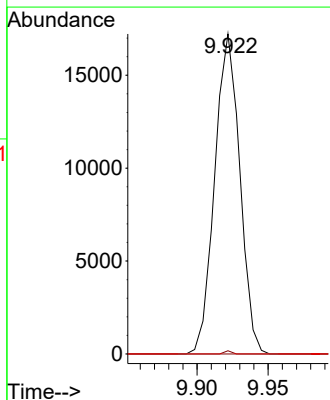
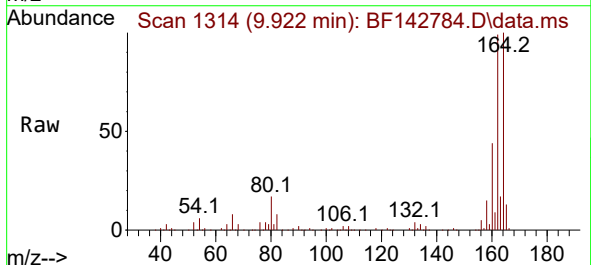
Tgt Ion:165 Resp: 21132

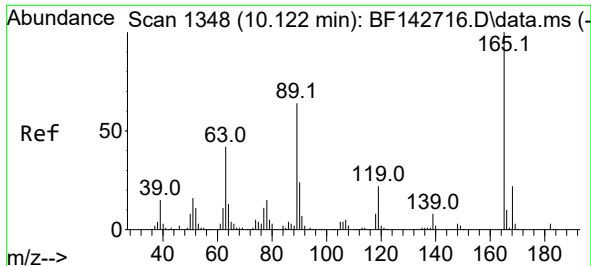
Ion Ratio Lower Upper

165 100

63 1.0 40.6 60.8#

89 0.0 37.6 56.4#

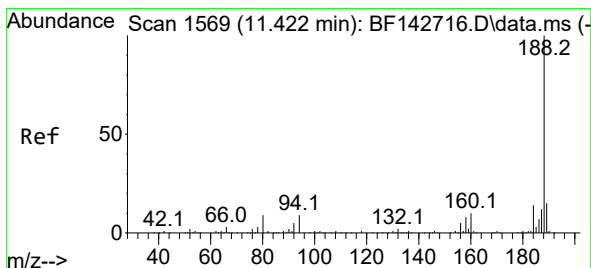
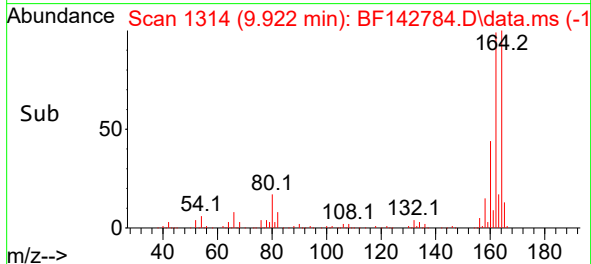
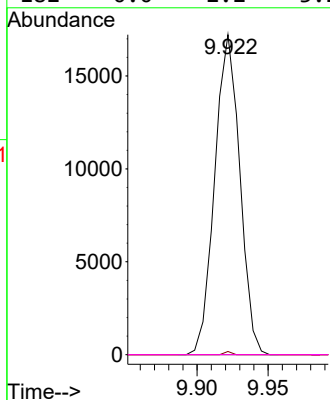
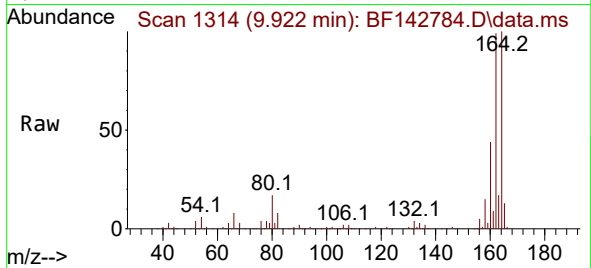




#57
2,4-Dinitrotoluene
Concen: 6.590 ng
RT: 9.922 min Scan# 11
Delta R.T. -0.200 min
Lab File: BF142784.D
Acq: 18 Jun 2025 18:33

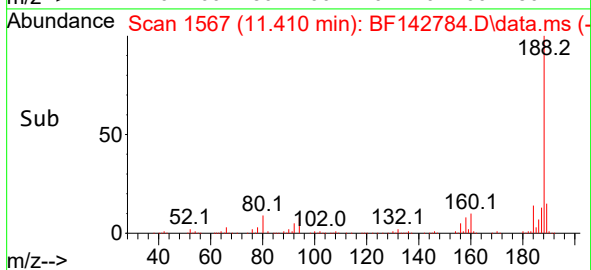
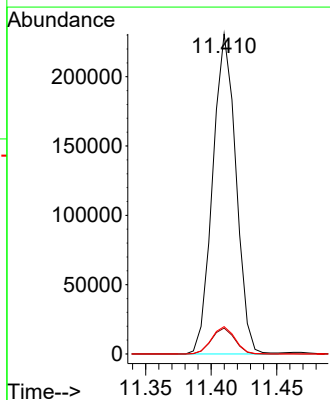
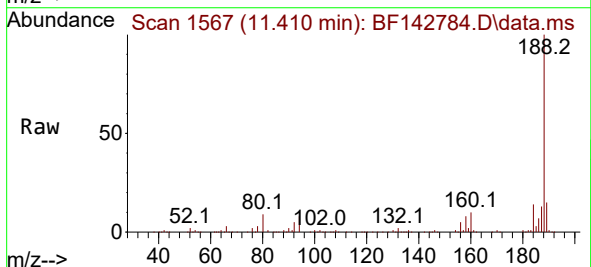
Instrument :
BNA_F
ClientSampleId :
TP-9

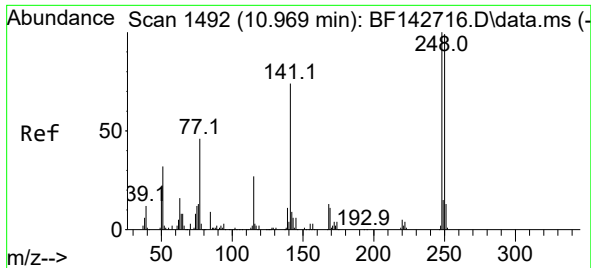
Tgt Ion:165 Resp: 21132
Ion Ratio Lower Upper
165 100
63 1.0 34.1 51.1#
89 0.0 50.8 76.2#
182 0.0 2.2 3.2#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1567
Delta R.T. -0.012 min
Lab File: BF142784.D
Acq: 18 Jun 2025 18:33

Tgt Ion:188 Resp: 284810
Ion Ratio Lower Upper
188 100
94 8.1 6.8 10.2
80 8.6 7.1 10.7

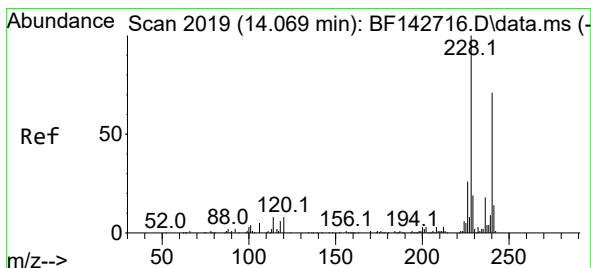
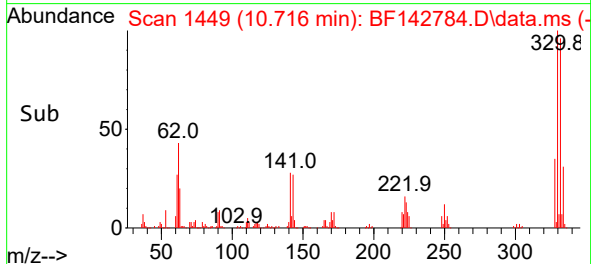
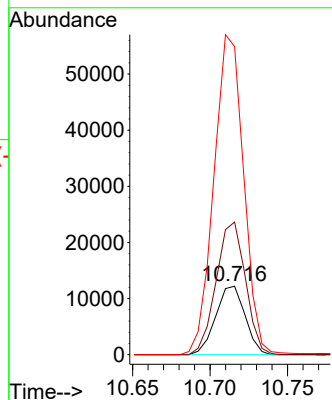
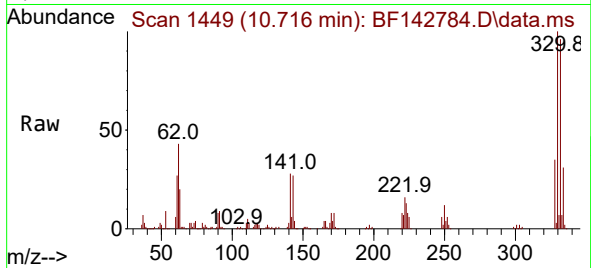




#67
4-Bromophenyl-phenylether
Concen: 4.794 ng
RT: 10.716 min Scan# 1492
Delta R.T. -0.253 min
Lab File: BF142784.D
Acq: 18 Jun 2025 18:33

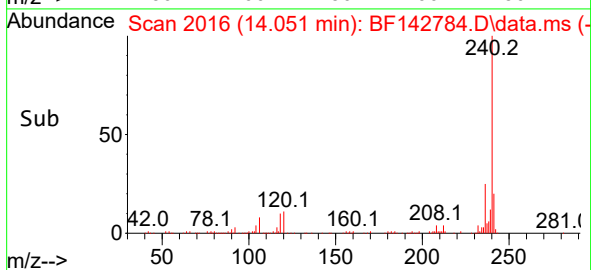
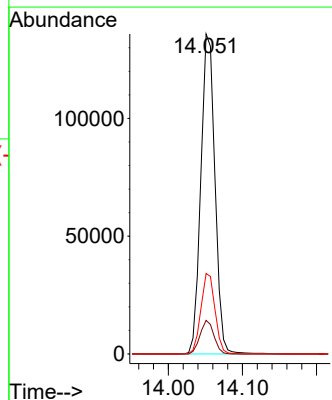
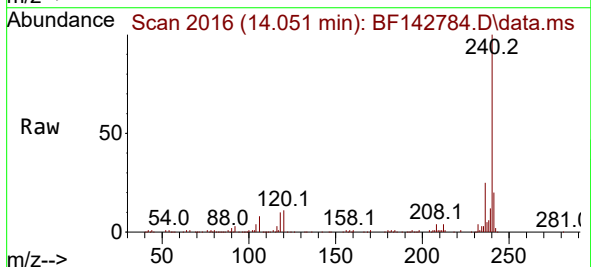
Instrument :
BNA_F
ClientSampleId :
TP-9

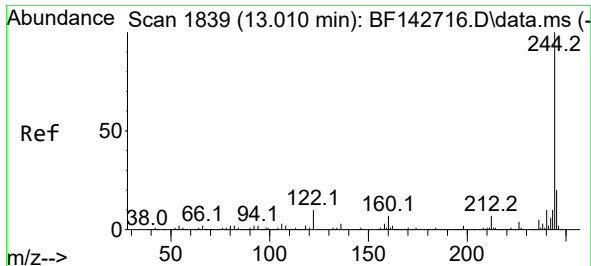
Tgt Ion:248 Resp: 16116
Ion Ratio Lower Upper
248 100
250 193.5 79.2 118.8#
141 450.0 59.3 88.9#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2016
Delta R.T. -0.018 min
Lab File: BF142784.D
Acq: 18 Jun 2025 18:33

Tgt Ion:240 Resp: 179982
Ion Ratio Lower Upper
240 100
120 10.5 8.5 12.7
236 25.1 20.1 30.1

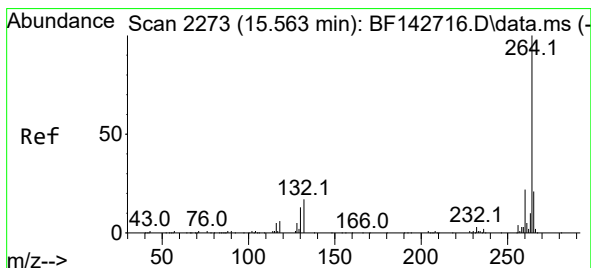
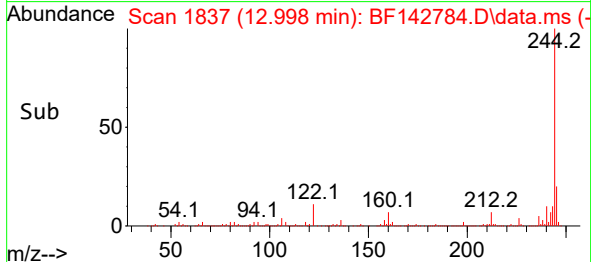
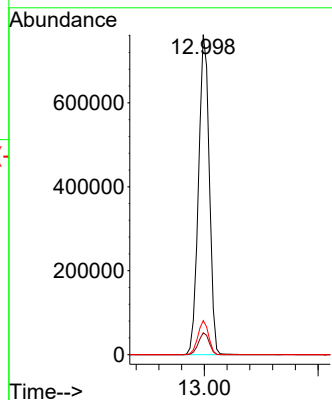
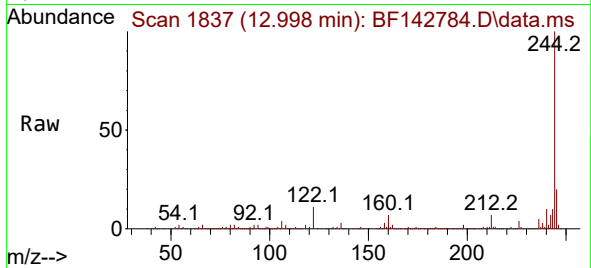




#79
 Terphenyl-d14
 Concen: 77.033 ng
 RT: 12.998 min Scan# 11
 Delta R.T. -0.012 min
 Lab File: BF142784.D
 Acq: 18 Jun 2025 18:33

Instrument :
 BNA_F
 ClientSampleId :
 TP-9

Tgt Ion:244 Resp: 1009475
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.4 8.0
 122 10.6 8.3 12.5



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.545 min Scan# 2270
 Delta R.T. -0.018 min
 Lab File: BF142784.D
 Acq: 18 Jun 2025 18:33

Tgt Ion:264 Resp: 181375
 Ion Ratio Lower Upper
 264 100
 260 23.1 17.8 26.6
 265 21.9 16.6 25.0

