

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052125\
 Data File : BF142481.D
 Acq On : 21 May 2025 12:14
 Operator : RC/JU
 Sample : Q2074-02
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-7

Quant Time: May 21 12:42:10 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)

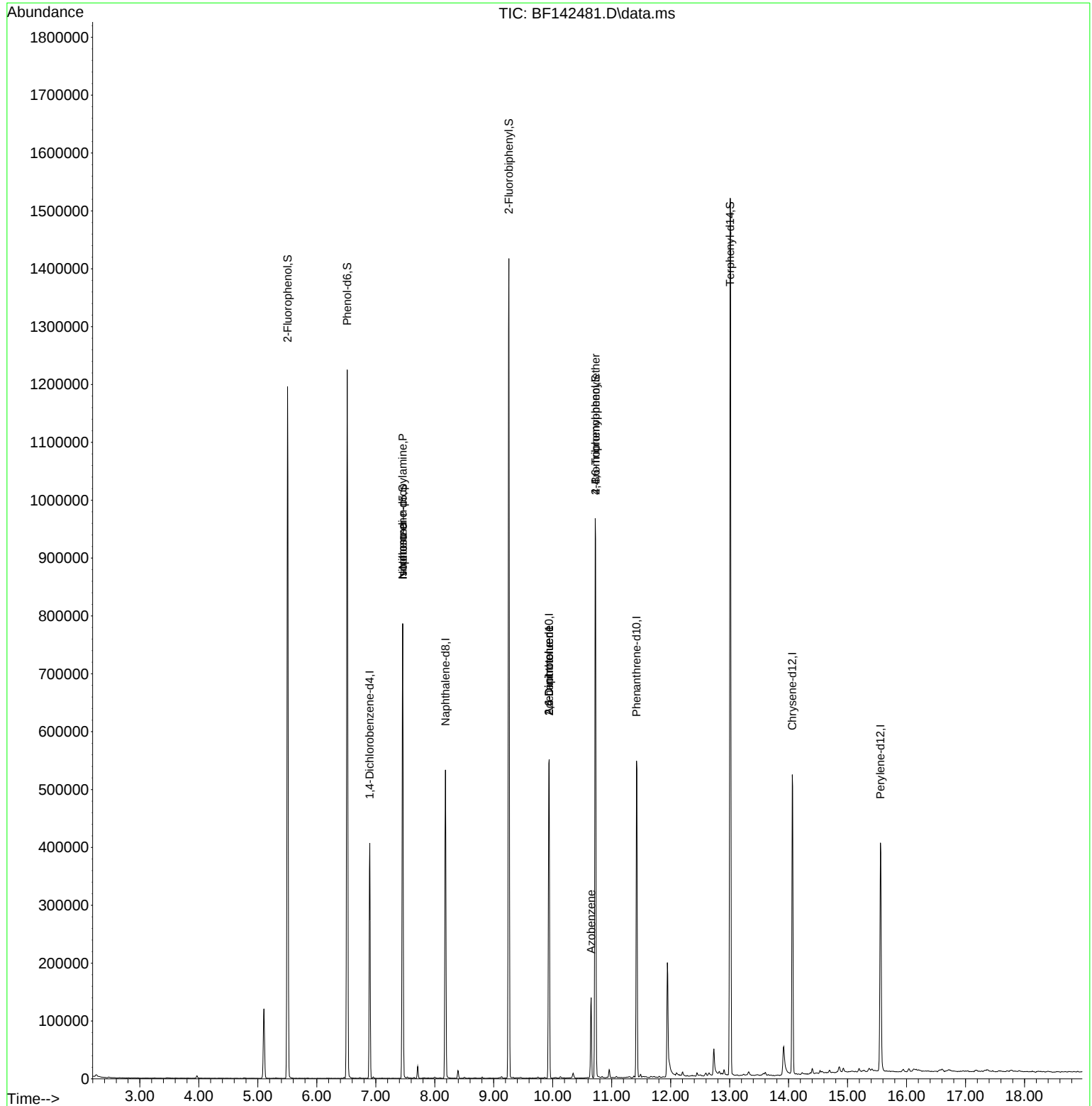
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.898	152	88091	20.000	ng	0.00
21) Naphthalene-d8	8.181	136	330115	20.000	ng	0.00
39) Acenaphthene-d10	9.939	164	169428	20.000	ng	0.00
64) Phenanthrene-d10	11.422	188	293973	20.000	ng	-0.01
76) Chrysene-d12	14.063	240	263519	20.000	ng	-0.01
86) Perylene-d12	15.557	264	238889	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	452174	86.479	ng	-0.01
7) Phenol-d6	6.516	99	564083	89.621	ng	-0.02
23) Nitrobenzene-d5	7.457	82	323927	53.507	ng	-0.02
42) 2,4,6-Tribromophenol	10.727	330	173761	92.405	ng	-0.01
45) 2-Fluorobiphenyl	9.257	172	630689	49.950	ng	-0.01
79) Terphenyl-d14	13.010	244	734064	38.067	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.457	70	42719	10.951	ng	# 77
25) Isophorone	7.457	82	306664	30.297	ng	# 63
51) 2,6-Dinitrotoluene	9.939	165	21621	8.961	ng	# 27
57) 2,4-Dinitrotoluene	9.939	165	21621	6.861	ng	# 28
63) Azobenzene	10.651	77	33135	3.379	ng	# 1
67) 4-Bromophenyl-phenylether	10.727	248	11079	3.187	ng	# 1

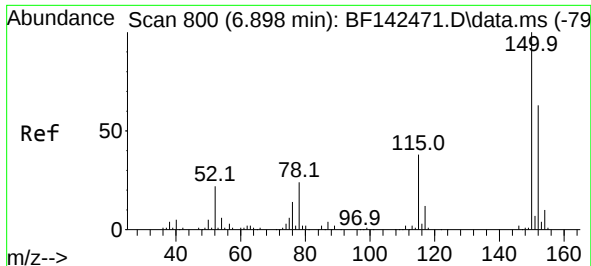
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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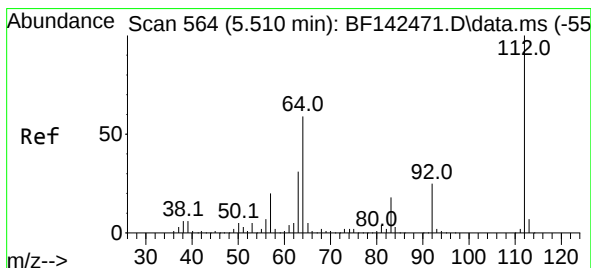
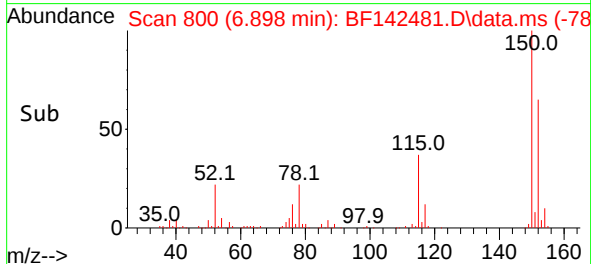
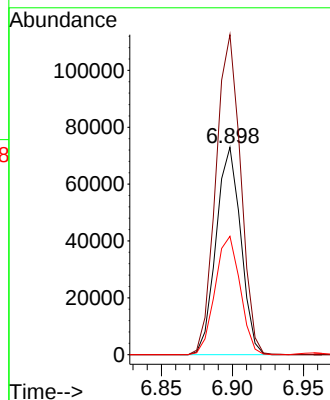
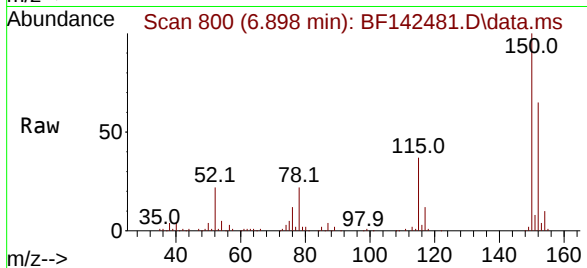




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.898 min Scan# 800
 Delta R.T. -0.006 min
 Lab File: BF142481.D
 Acq: 21 May 2025 12:14

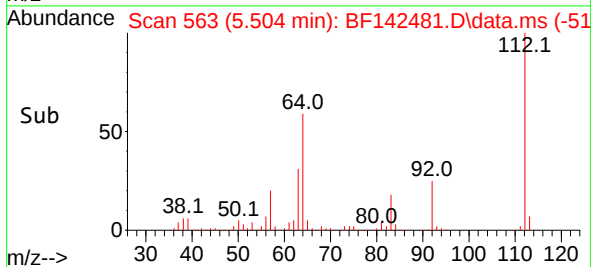
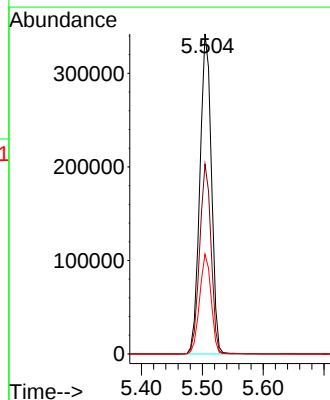
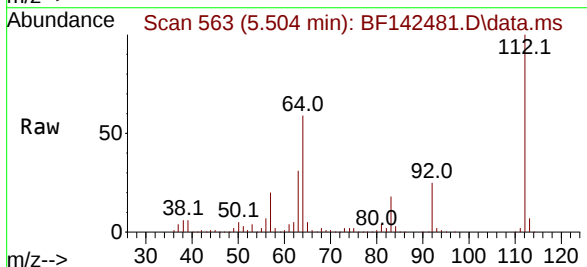
Instrument :
 BNA_F
 ClientSampleId :
 TP-7

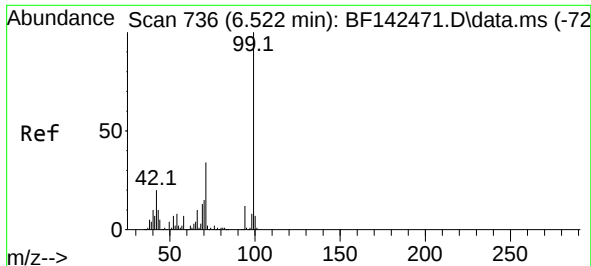
Tgt Ion:152 Resp: 88091
 Ion Ratio Lower Upper
 152 100
 150 154.4 128.2 192.4
 115 57.1 48.3 72.5



#5
 2-Fluorophenol
 Concen: 86.479 ng
 RT: 5.504 min Scan# 563
 Delta R.T. -0.012 min
 Lab File: BF142481.D
 Acq: 21 May 2025 12:14

Tgt Ion:112 Resp: 452174
 Ion Ratio Lower Upper
 112 100
 64 59.3 47.5 71.3
 63 31.1 24.9 37.3





#7
Phenol-d6
Concen: 89.621 ng
RT: 6.516 min Scan# 71
Delta R.T. -0.018 min
Lab File: BF142481.D
Acq: 21 May 2025 12:14

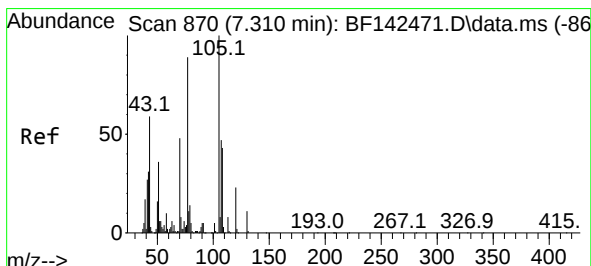
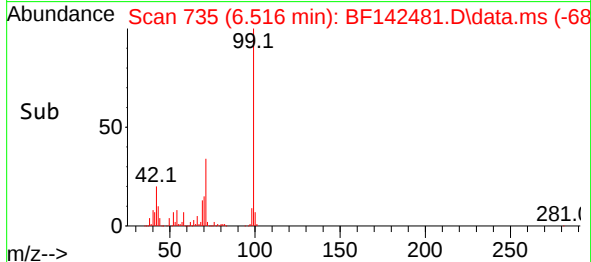
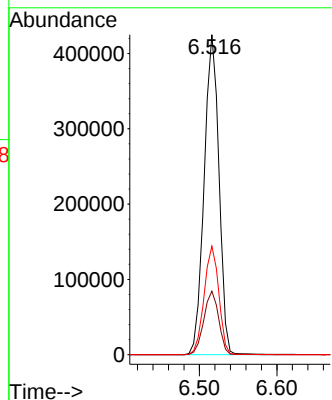
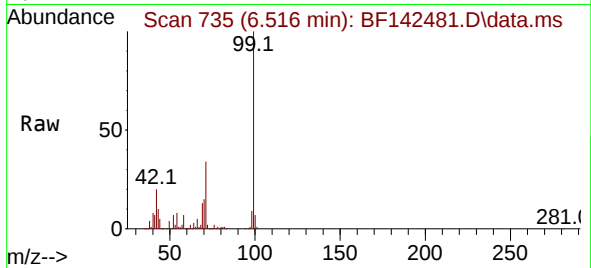
Instrument :

BNA_F

ClientSampleId :

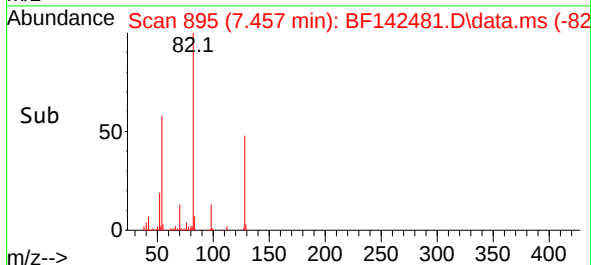
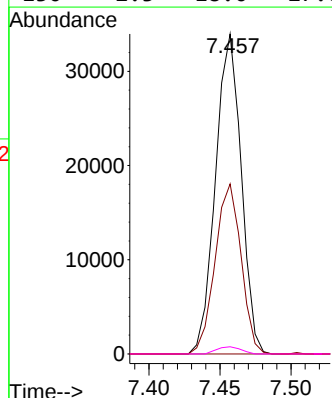
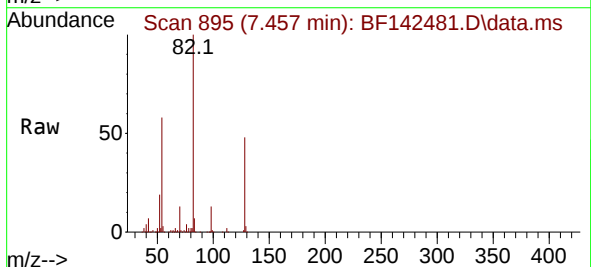
TP-7

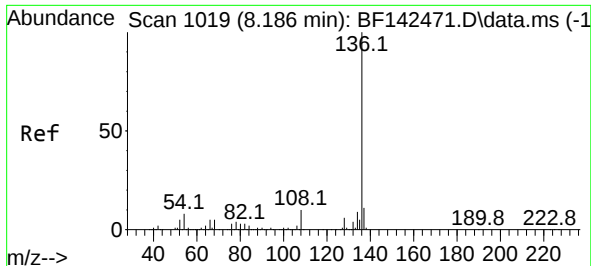
Tgt Ion: 99 Resp: 564083
Ion Ratio Lower Upper
99 100
42 19.9 16.2 24.2
71 33.9 27.3 40.9



#19
n-Nitroso-di-n-propylamine
Concen: 10.951 ng
RT: 7.457 min Scan# 895
Delta R.T. 0.129 min
Lab File: BF142481.D
Acq: 21 May 2025 12:14

Tgt Ion: 70 Resp: 42719
Ion Ratio Lower Upper
70 100
42 53.2 52.4 78.6
101 0.0 7.8 11.8#
130 2.3 18.0 27.0#



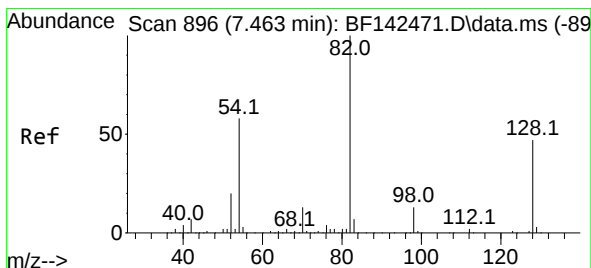
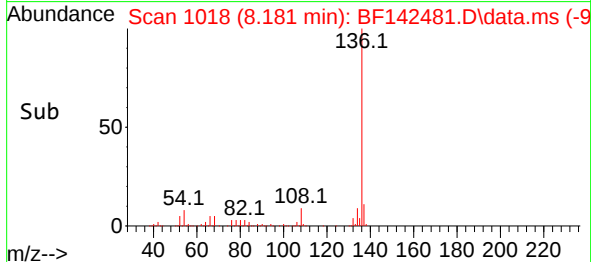
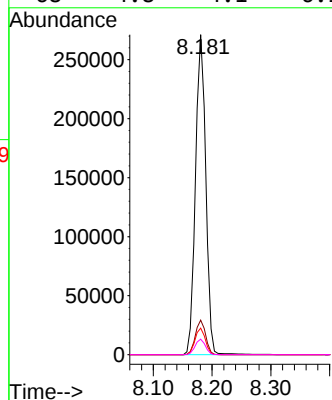
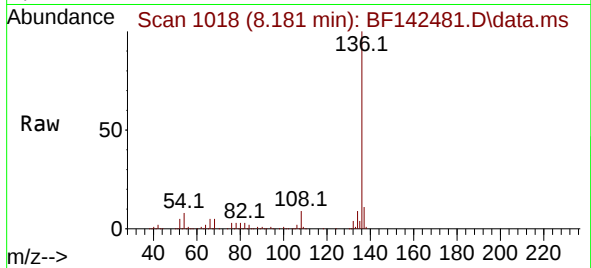


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.181 min Scan# 1019
Delta R.T. -0.006 min
Lab File: BF142481.D
Acq: 21 May 2025 12:14

Instrument :
BNA_F
ClientSampleId :
TP-7

Tgt Ion:136 Resp: 330115

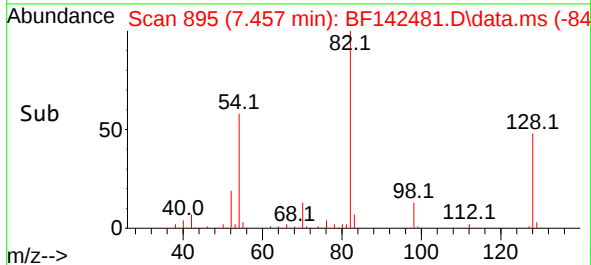
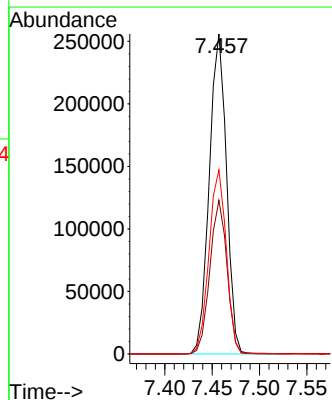
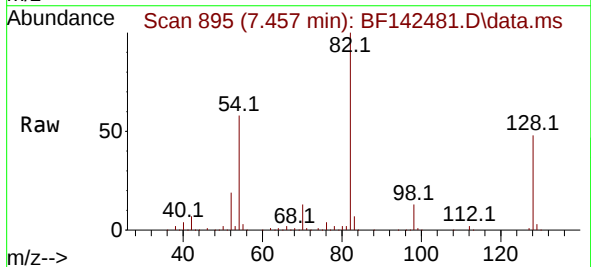
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.6	13.0
54	8.3	6.6	10.0
68	4.8	4.1	6.1

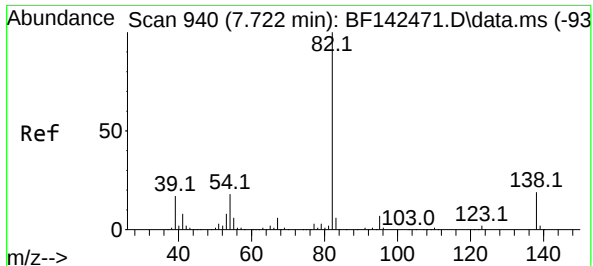


#23
Nitrobenzene-d5
Concen: 53.507 ng
RT: 7.457 min Scan# 895
Delta R.T. -0.018 min
Lab File: BF142481.D
Acq: 21 May 2025 12:14

Tgt Ion: 82 Resp: 323927

Ion	Ratio	Lower	Upper
82	100		
128	48.0	37.4	56.2
54	57.5	46.6	70.0

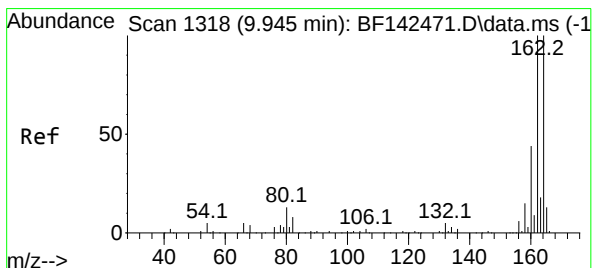
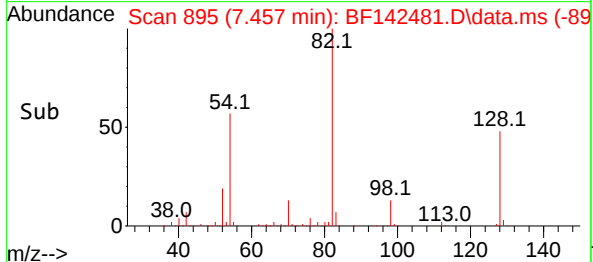
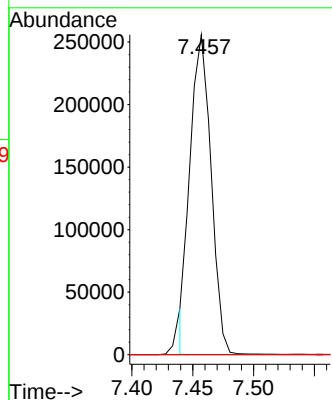
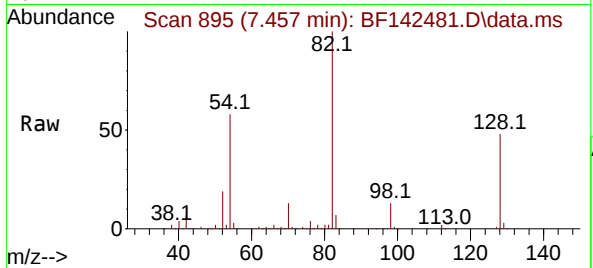




#25
Isophorone
Concen: 30.297 ng
RT: 7.457 min Scan# 895
Delta R.T. -0.276 min
Lab File: BF142481.D
Acq: 21 May 2025 12:14

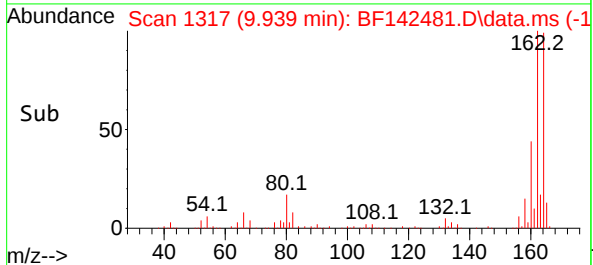
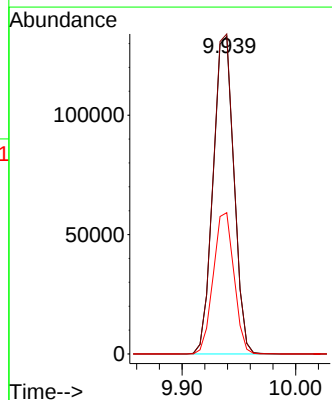
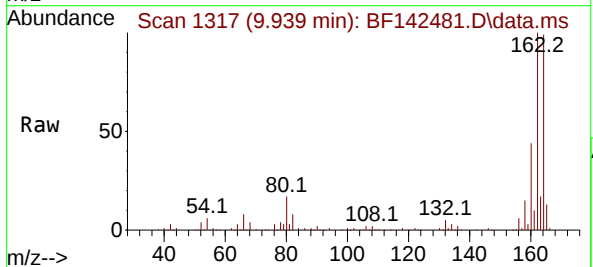
Instrument :
BNA_F
ClientSampleId :
TP-7

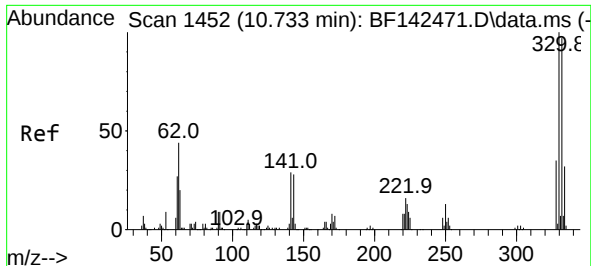
Tgt Ion: 82 Resp: 306664
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 15.5 23.3#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.939 min Scan# 1317
Delta R.T. -0.006 min
Lab File: BF142481.D
Acq: 21 May 2025 12:14

Tgt Ion:164 Resp: 169428
Ion Ratio Lower Upper
164 100
162 100.8 80.2 120.4
160 44.5 35.6 53.4





#42

2,4,6-Tribromophenol

Concen: 92.405 ng

RT: 10.727 min Scan# 1451

Delta R.T. -0.012 min

Lab File: BF142481.D

Acq: 21 May 2025 12:14

Instrument :

BNA_F

ClientSampleId :

TP-7

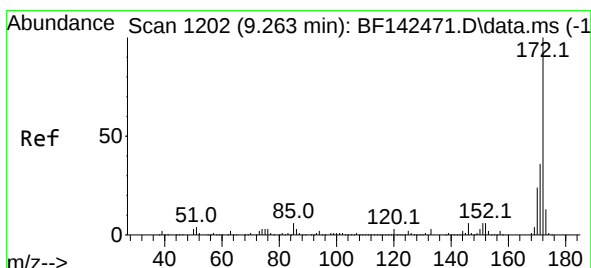
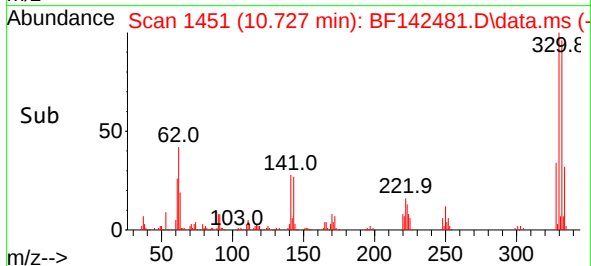
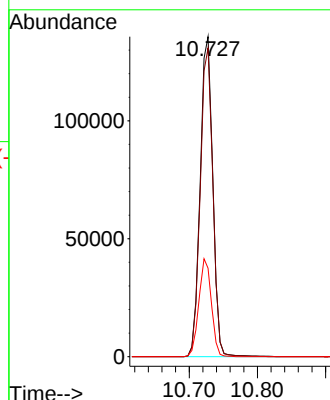
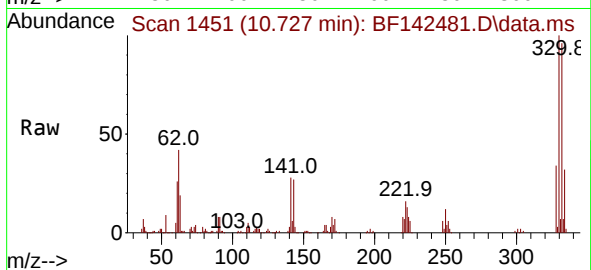
Tgt Ion:330 Resp: 173761

Ion Ratio Lower Upper

330 100

332 96.3 77.6 116.4

141 30.3 24.6 36.8



#45

2-Fluorobiphenyl

Concen: 49.950 ng

RT: 9.257 min Scan# 1201

Delta R.T. -0.012 min

Lab File: BF142481.D

Acq: 21 May 2025 12:14

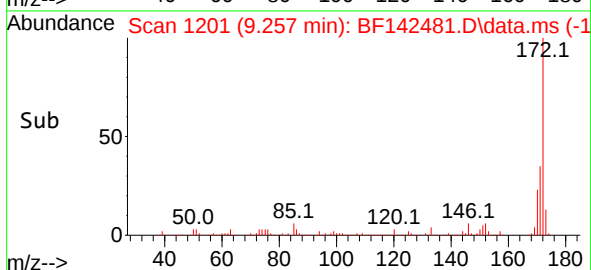
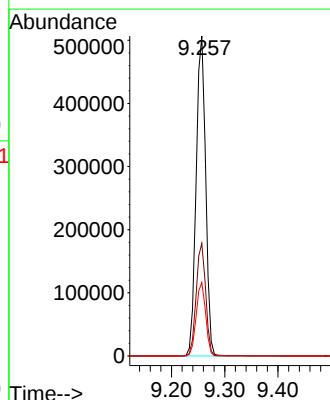
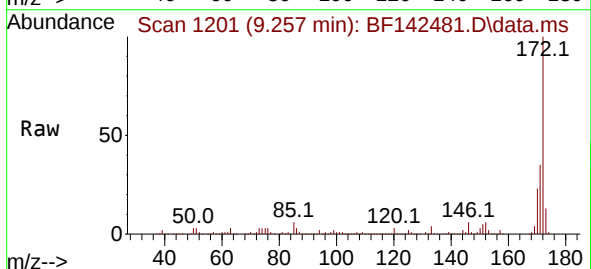
Tgt Ion:172 Resp: 630689

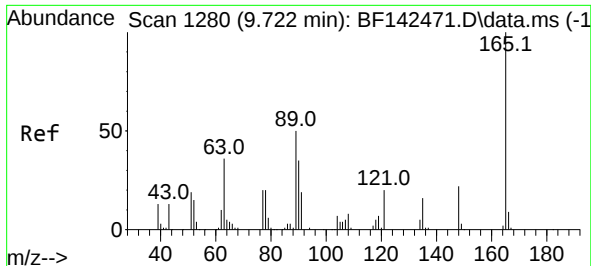
Ion Ratio Lower Upper

172 100

171 35.2 28.6 42.8

170 22.9 18.9 28.3





#51

2,6-Dinitrotoluene

Concen: 8.961 ng

RT: 9.939 min Scan# 11

Delta R.T. 0.212 min

Lab File: BF142481.D

Acq: 21 May 2025 12:14

Instrument :

BNA_F

ClientSampleId :

TP-7

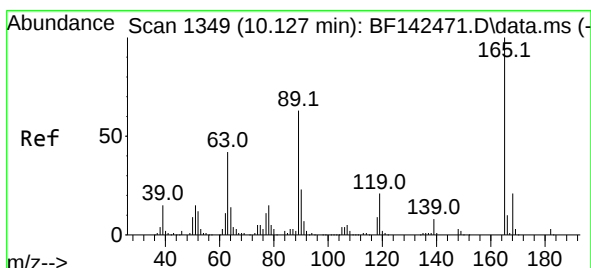
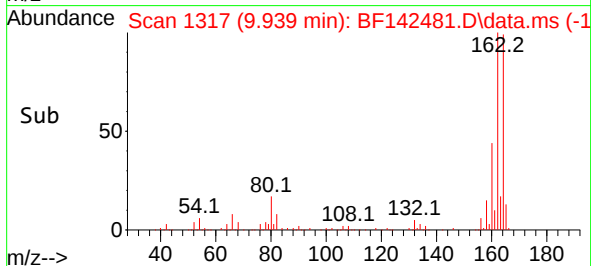
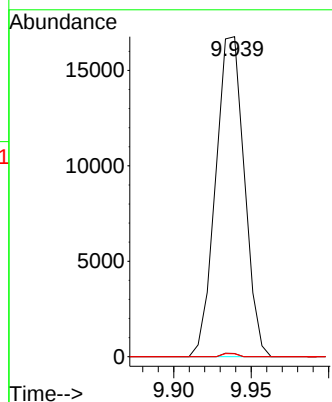
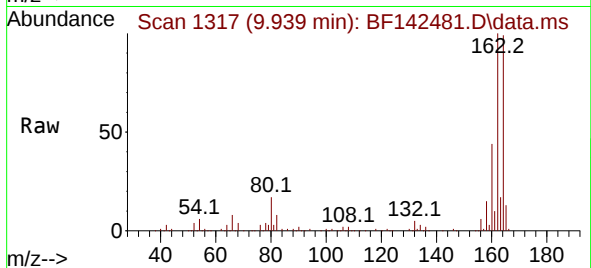
Tgt Ion:165 Resp: 21621

Ion Ratio Lower Upper

165 100

63 1.0 42.9 64.3#

89 0.9 40.2 60.4#



#57

2,4-Dinitrotoluene

Concen: 6.861 ng

RT: 9.939 min Scan# 1317

Delta R.T. -0.194 min

Lab File: BF142481.D

Acq: 21 May 2025 12:14

Tgt Ion:165 Resp: 21621

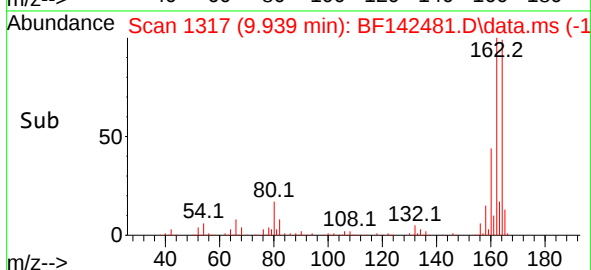
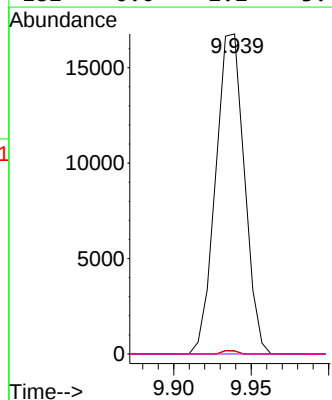
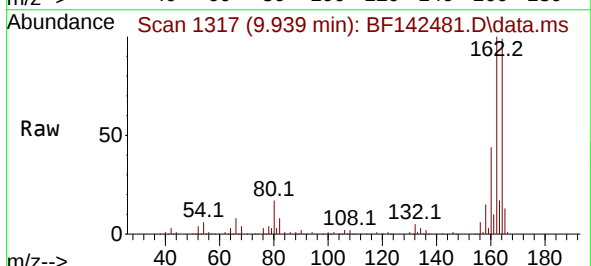
Ion Ratio Lower Upper

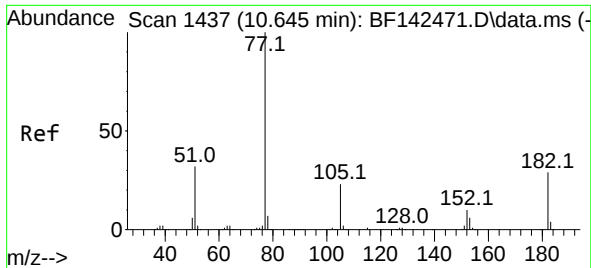
165 100

63 1.0 33.6 50.4#

89 0.9 50.2 75.4#

182 0.0 2.2 3.4#

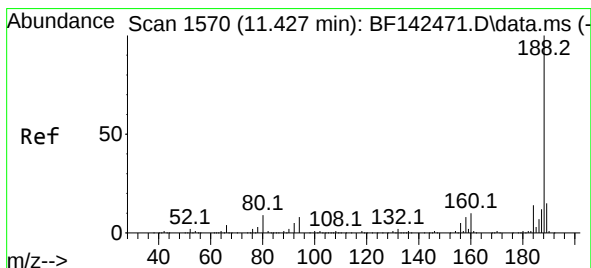
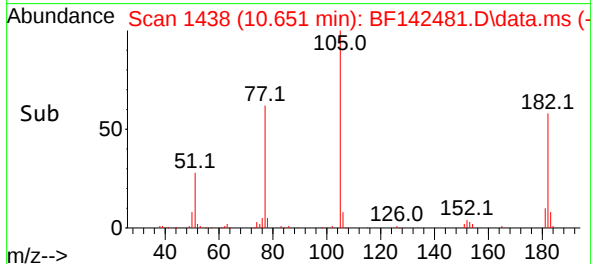
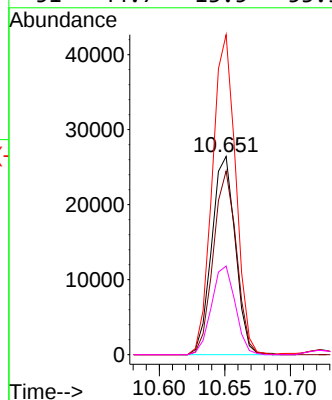
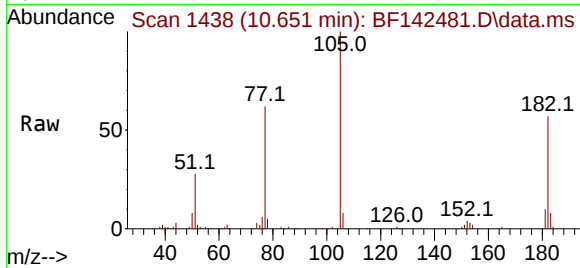




#63
Azobenzene
Concen: 3.379 ng
RT: 10.651 min Scan# 1438
Delta R.T. 0.006 min
Lab File: BF142481.D
Acq: 21 May 2025 12:14

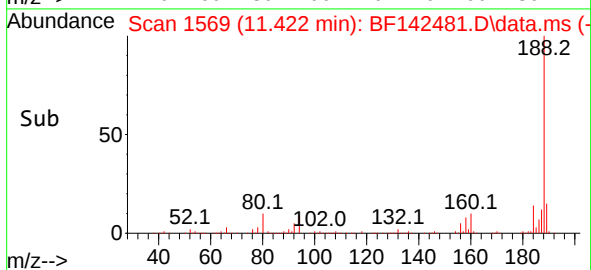
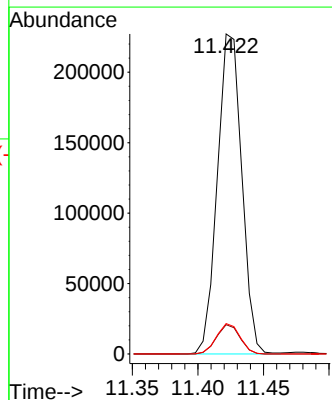
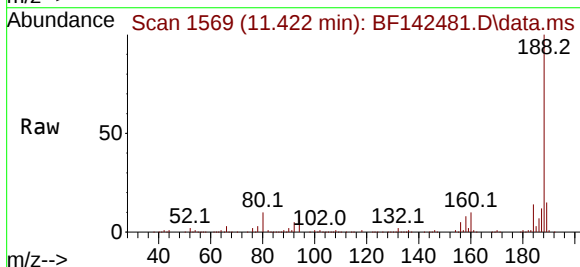
Instrument :
BNA_F
ClientSampleId :
TP-7

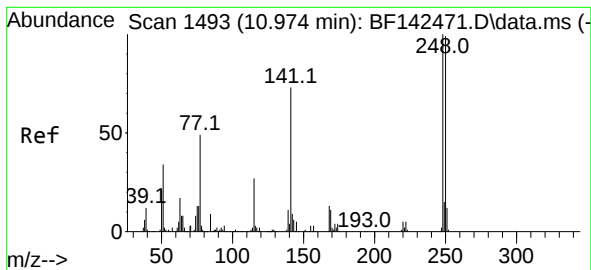
Tgt Ion: 77 Resp: 33135
Ion Ratio Lower Upper
77 100
182 92.7 9.0 49.0#
105 161.5 2.4 42.4#
51 44.7 13.5 53.5



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.422 min Scan# 1569
Delta R.T. -0.012 min
Lab File: BF142481.D
Acq: 21 May 2025 12:14

Tgt Ion:188 Resp: 293973
Ion Ratio Lower Upper
188 100
94 9.2 6.6 10.0
80 9.5 7.4 11.0

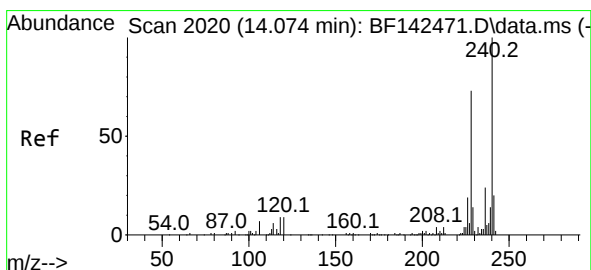
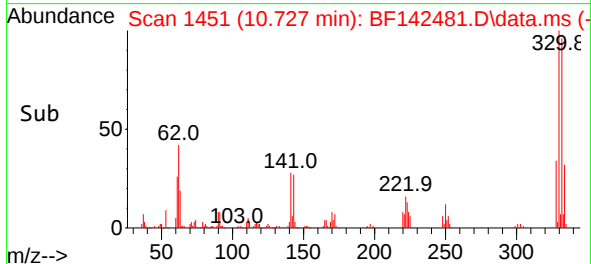
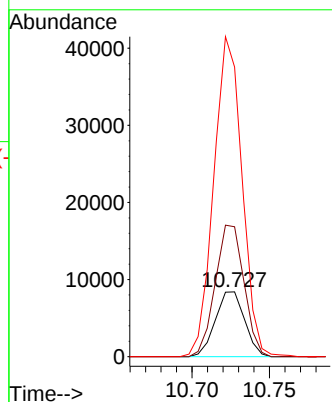
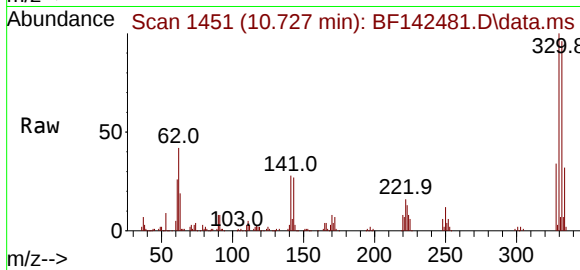




#67
4-Bromophenyl-phenylether
Concen: 3.187 ng
RT: 10.727 min Scan# 1493
Delta R.T. -0.247 min
Lab File: BF142481.D
Acq: 21 May 2025 12:14

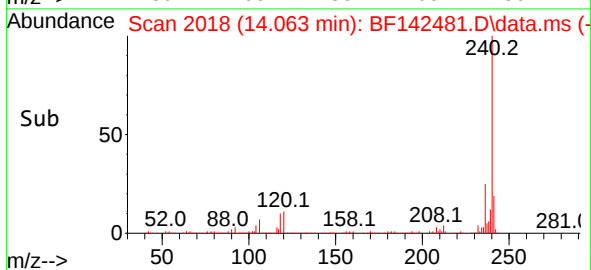
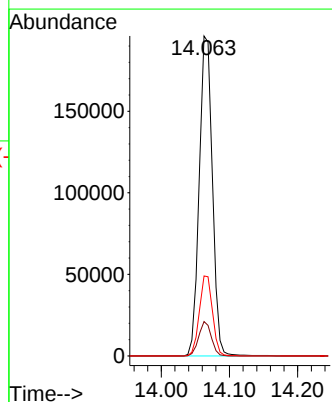
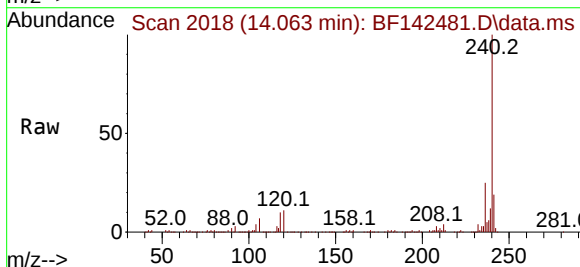
Instrument :
BNA_F
ClientSampleId :
TP-7

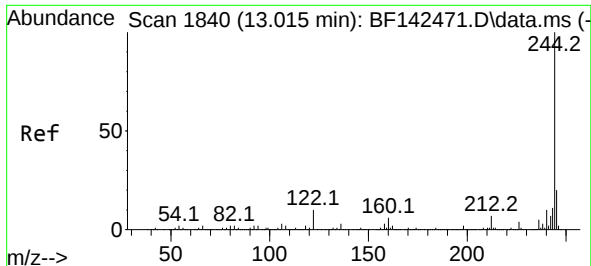
Tgt Ion:248 Resp: 11079
Ion Ratio Lower Upper
248 100
250 200.7 79.0 118.4#
141 447.4 58.4 87.6#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.063 min Scan# 2018
Delta R.T. -0.012 min
Lab File: BF142481.D
Acq: 21 May 2025 12:14

Tgt Ion:240 Resp: 263519
Ion Ratio Lower Upper
240 100
120 10.8 7.5 11.3
236 25.0 19.6 29.4

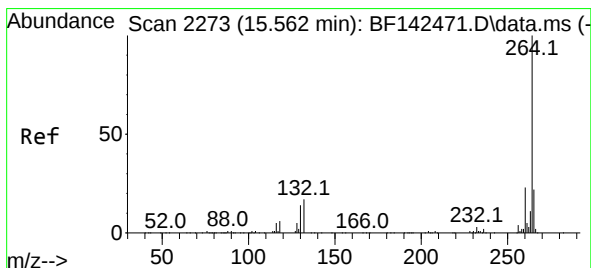
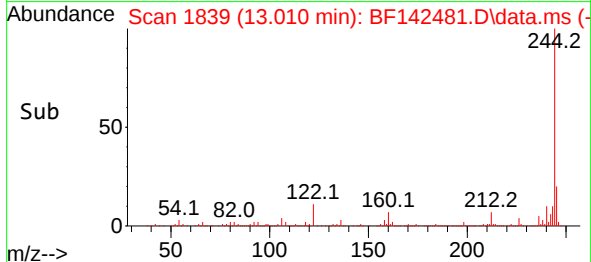
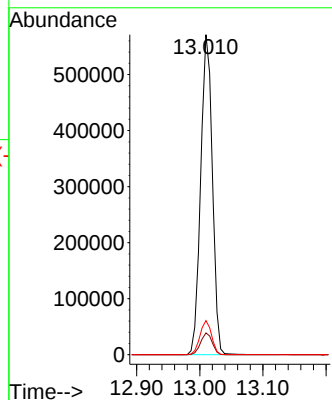
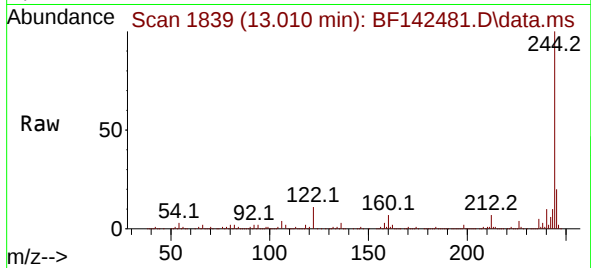




#79
 Terphenyl-d14
 Concen: 38.067 ng
 RT: 13.010 min Scan# 1839
 Delta R.T. -0.006 min
 Lab File: BF142481.D
 Acq: 21 May 2025 12:14

Instrument :
 BNA_F
 ClientSampleId :
 TP-7

Tgt Ion:244 Resp: 734064
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.3 7.9
 122 10.7 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: BF142481.D
 Acq: 21 May 2025 12:14

Tgt Ion:264 Resp: 238889
 Ion Ratio Lower Upper
 264 100
 260 23.2 18.6 28.0
 265 21.4 17.7 26.5

