

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052125\
 Data File : BF142486.D
 Acq On : 21 May 2025 14:37
 Operator : RC/JU
 Sample : Q2075-03
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SS-11

Quant Time: May 21 15:18:50 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)

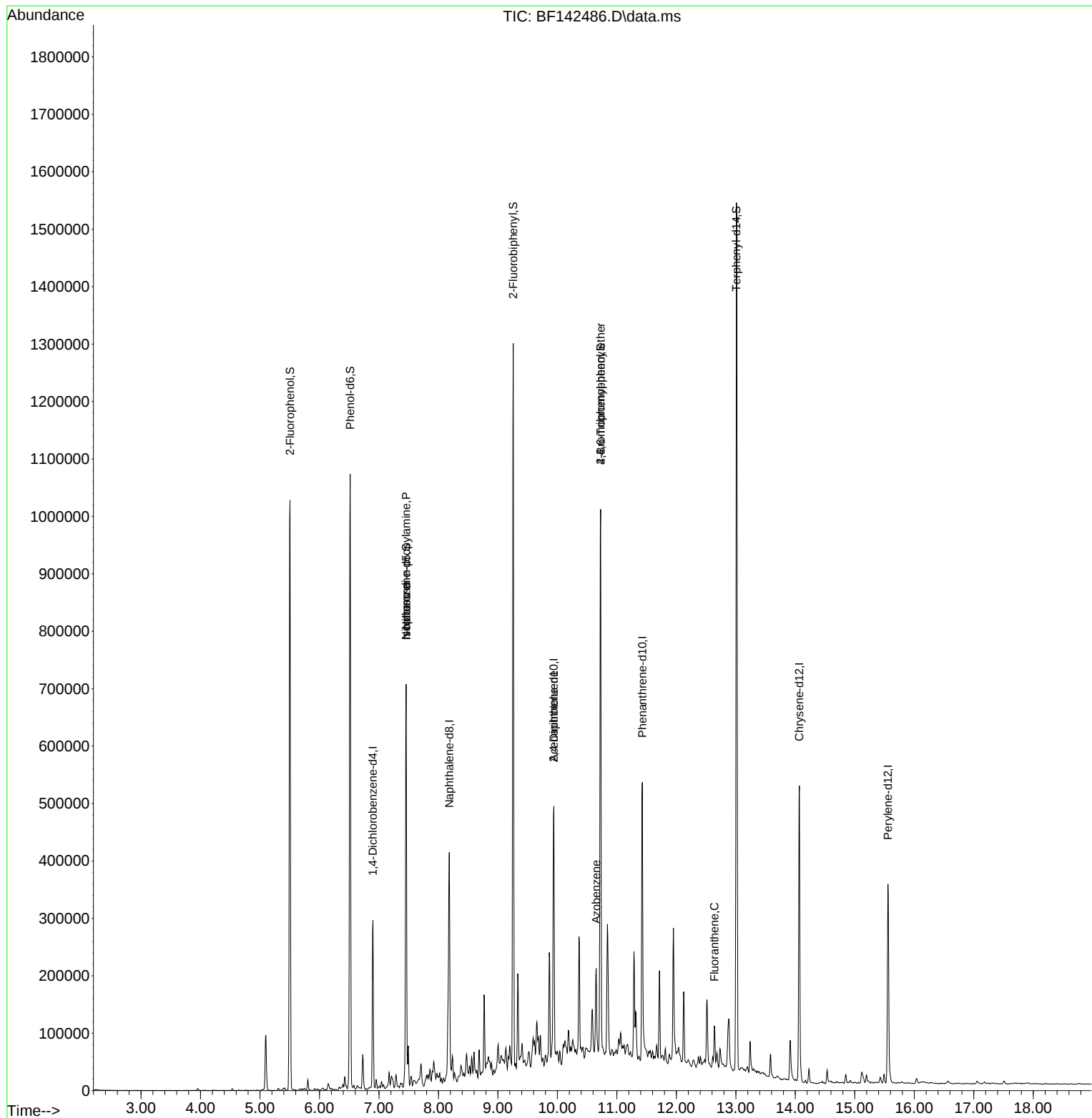
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.898	152	63588	20.000	ng	0.00
21) Naphthalene-d8	8.181	136	238505	20.000	ng	0.00
39) Acenaphthene-d10	9.939	164	131818	20.000	ng	0.00
64) Phenanthrene-d10	11.427	188	250730	20.000	ng	0.00
76) Chrysene-d12	14.068	240	246437	20.000	ng	0.00
86) Perylene-d12	15.557	264	209013	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	397188	105.234	ng	-0.01
7) Phenol-d6	6.516	99	487177	107.228	ng	-0.02
23) Nitrobenzene-d5	7.457	82	283077	64.719	ng	-0.02
42) 2,4,6-Tribromophenol	10.728	330	169138	115.609	ng	-0.01
45) 2-Fluorobiphenyl	9.257	172	552003	56.192	ng	-0.01
79) Terphenyl-d14	13.010	244	760226	42.156	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.457	70	38047	13.512	ng	# 77
25) Isophorone	7.457	82	266508	36.444	ng	# 63
57) 2,4-Dinitrotoluene	9.939	165	18217	7.431	ng	# 29
63) Azobenzene	10.651	77	34033	4.461	ng	# 1
67) 4-Bromophenyl-phenylether	10.728	248	11000	3.710	ng	# 1
75) Fluoranthene	12.639	202	39866	3.184	ng	99

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

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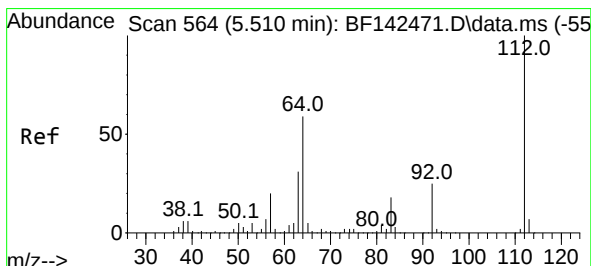
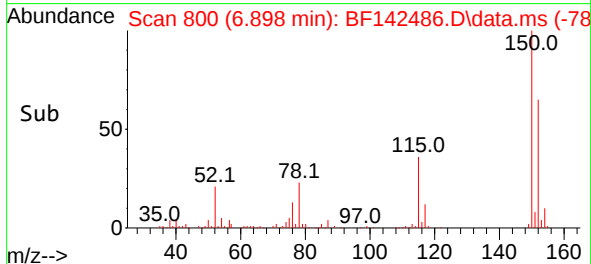
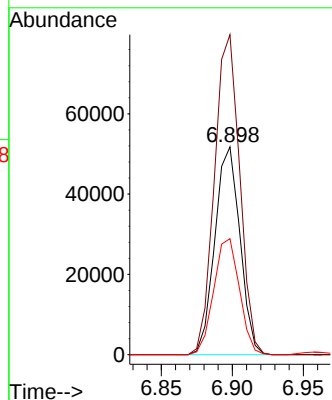
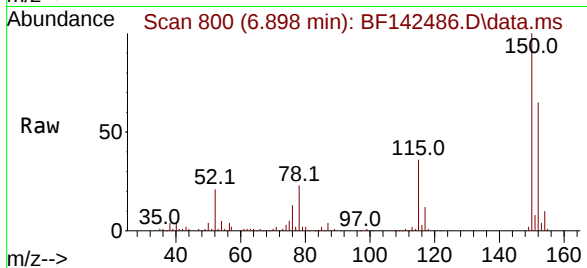




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.898 min Scan# 800
Delta R.T. -0.006 min
Lab File: BF142486.D
Acq: 21 May 2025 14:37

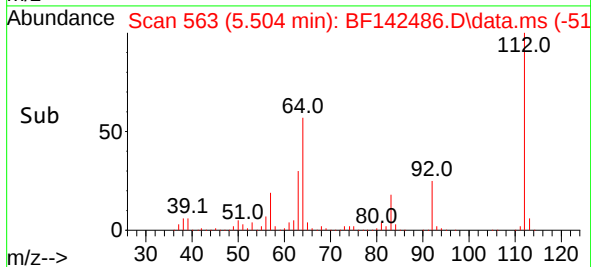
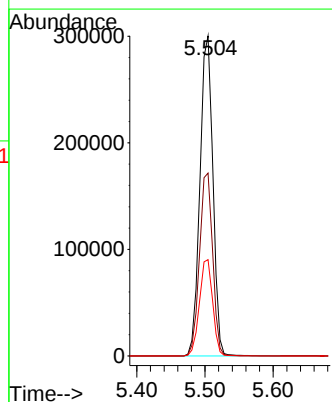
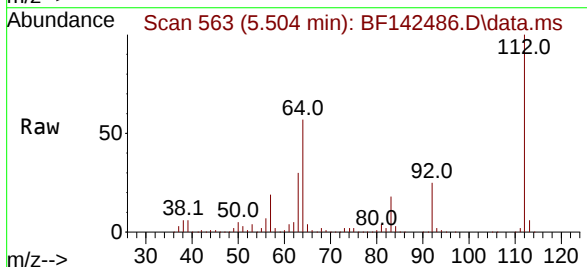
Instrument :
BNA_F
ClientSampleId :
SS-11

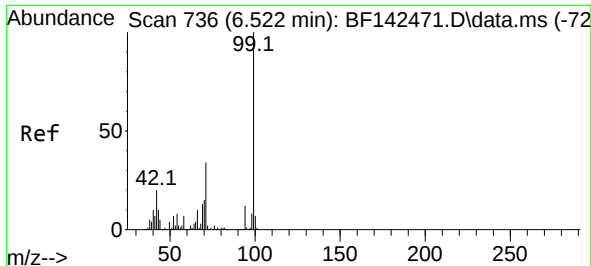
Tgt Ion:152 Resp: 63588
Ion Ratio Lower Upper
152 100
150 153.9 128.2 192.4
115 55.8 48.3 72.5



#5
2-Fluorophenol
Concen: 105.234 ng
RT: 5.504 min Scan# 563
Delta R.T. -0.012 min
Lab File: BF142486.D
Acq: 21 May 2025 14:37

Tgt Ion:112 Resp: 397188
Ion Ratio Lower Upper
112 100
64 57.2 47.5 71.3
63 30.1 24.9 37.3

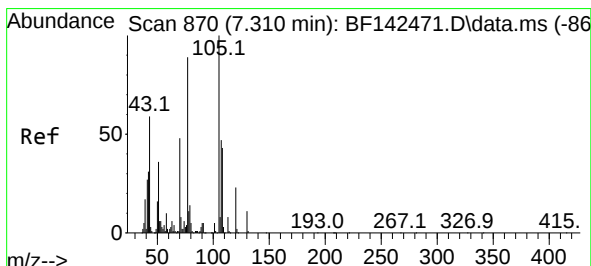
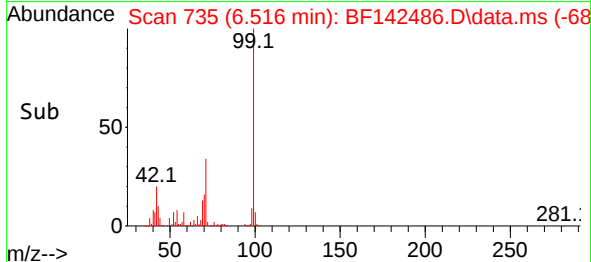
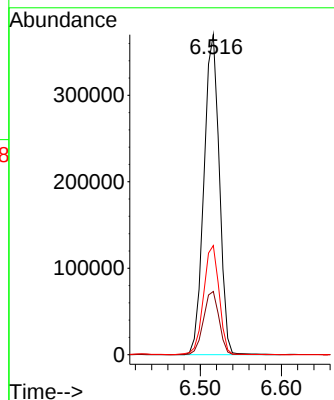
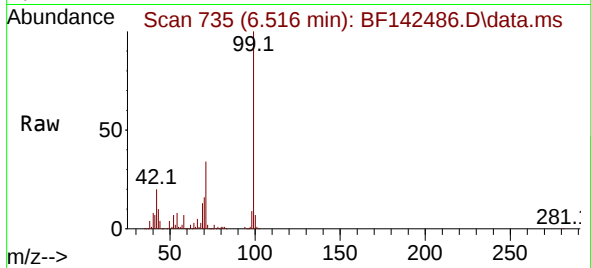




#7
Phenol-d6
Concen: 107.228 ng
RT: 6.516 min Scan# 71
Delta R.T. -0.018 min
Lab File: BF142486.D
Acq: 21 May 2025 14:37

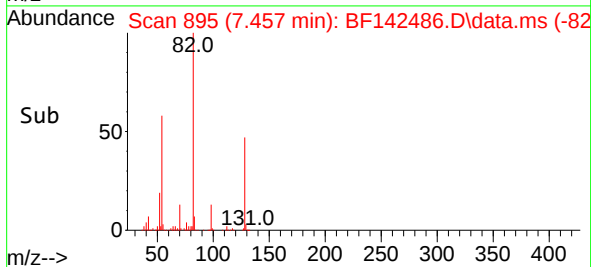
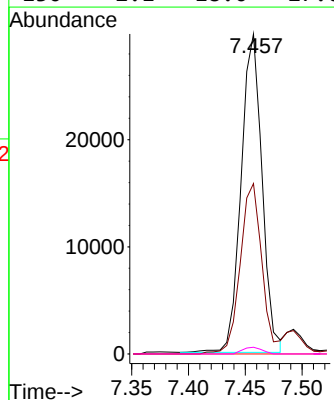
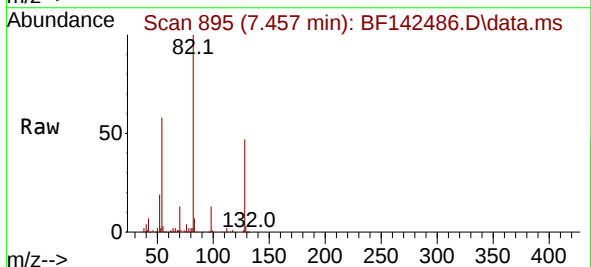
Instrument :
BNA_F
ClientSampleId :
SS-11

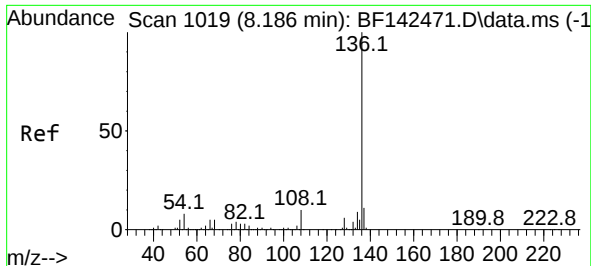
Tgt Ion: 99 Resp: 487177
Ion Ratio Lower Upper
99 100
42 19.8 16.2 24.2
71 34.1 27.3 40.9



#19
n-Nitroso-di-n-propylamine
Concen: 13.512 ng
RT: 7.457 min Scan# 895
Delta R.T. 0.130 min
Lab File: BF142486.D
Acq: 21 May 2025 14:37

Tgt Ion: 70 Resp: 38047
Ion Ratio Lower Upper
70 100
42 53.2 52.4 78.6
101 0.0 7.8 11.8#
130 2.1 18.0 27.0#



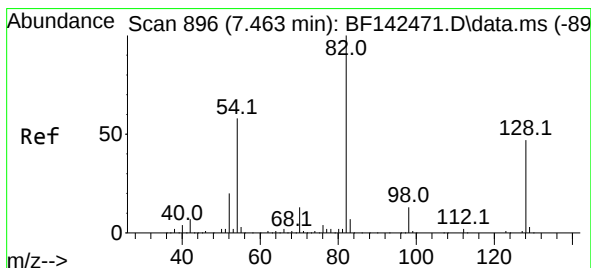
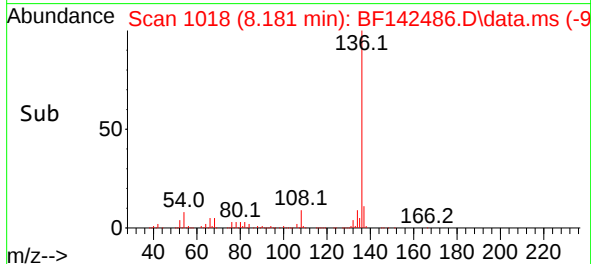
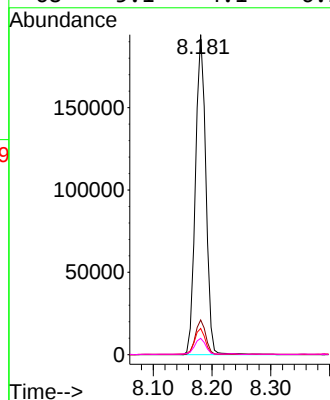
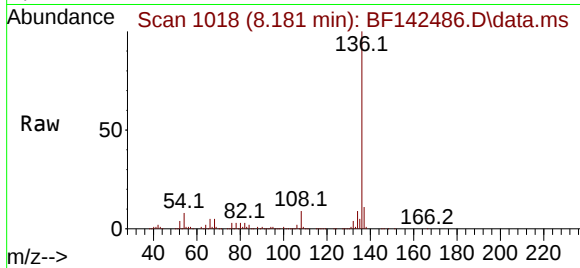


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.181 min Scan# 1019
Delta R.T. -0.006 min
Lab File: BF142486.D
Acq: 21 May 2025 14:37

Instrument :
BNA_F
ClientSampleId :
SS-11

Tgt Ion:136 Resp: 238505

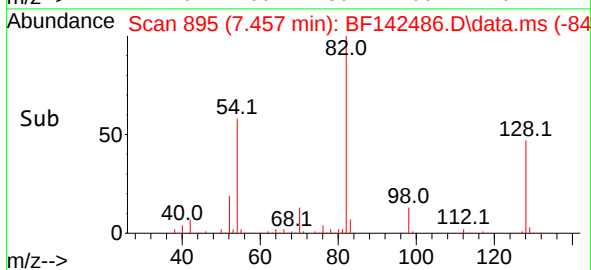
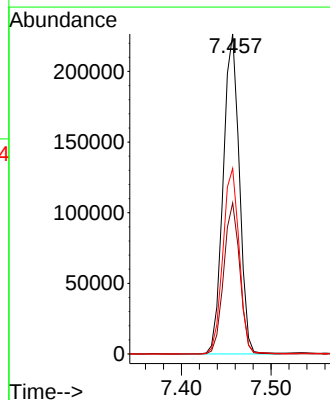
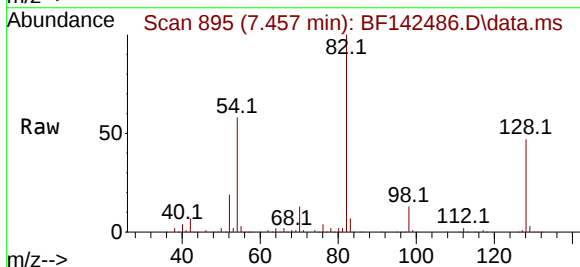
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.6	13.0
54	8.2	6.6	10.0
68	5.1	4.1	6.1



#23
Nitrobenzene-d5
Concen: 64.719 ng
RT: 7.457 min Scan# 895
Delta R.T. -0.017 min
Lab File: BF142486.D
Acq: 21 May 2025 14:37

Tgt Ion: 82 Resp: 283077

Ion	Ratio	Lower	Upper
82	100		
128	47.2	37.4	56.2
54	58.0	46.6	70.0

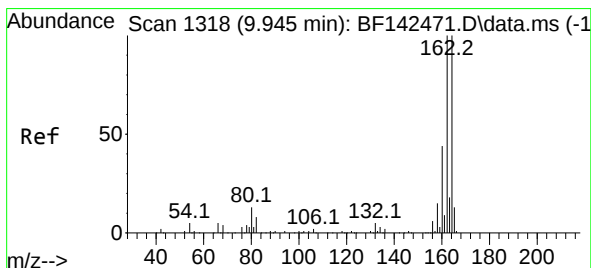
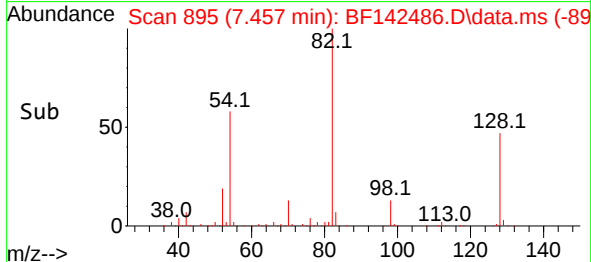
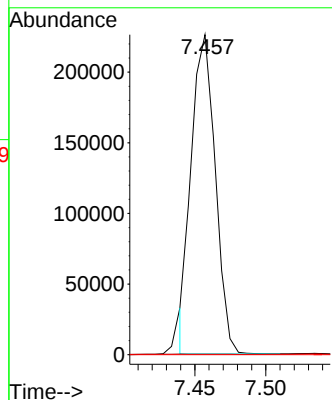
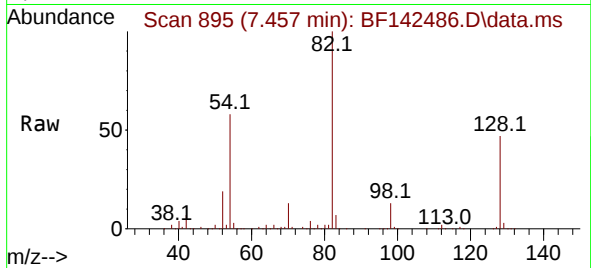




#25
Isophorone
Concen: 36.444 ng
RT: 7.457 min Scan# 895
Delta R.T. -0.276 min
Lab File: BF142486.D
Acq: 21 May 2025 14:37

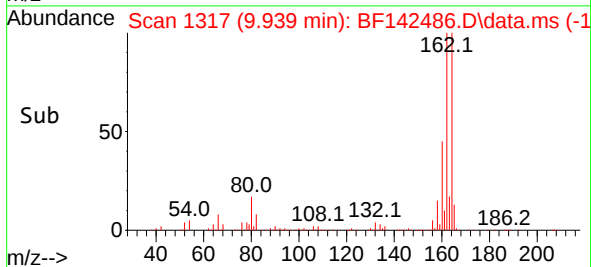
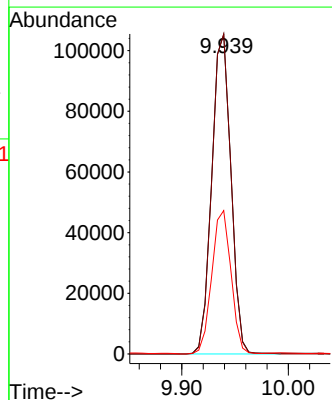
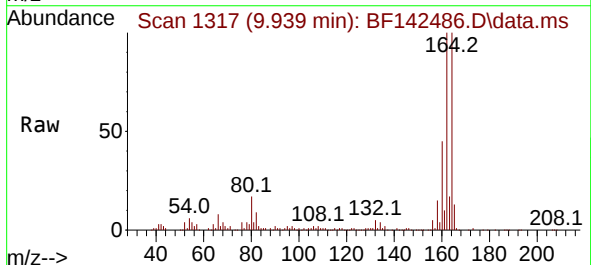
Instrument :
BNA_F
ClientSampleId :
SS-11

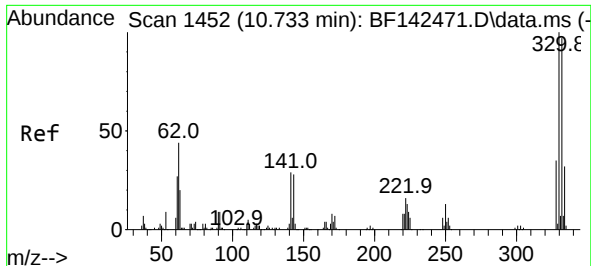
Tgt Ion: 82 Resp: 266508
Ion Ratio Lower Upper
82 100
95 0.2 6.0 9.0#
138 0.0 15.5 23.3#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.939 min Scan# 1317
Delta R.T. -0.006 min
Lab File: BF142486.D
Acq: 21 May 2025 14:37

Tgt Ion:164 Resp: 131818
Ion Ratio Lower Upper
164 100
162 100.1 80.2 120.4
160 44.9 35.6 53.4





#42

2,4,6-Tribromophenol

Concen: 115.609 ng

RT: 10.728 min Scan# 1451

Delta R.T. -0.012 min

Lab File: BF142486.D

Acq: 21 May 2025 14:37

Instrument :

BNA_F

ClientSampleId :

SS-11

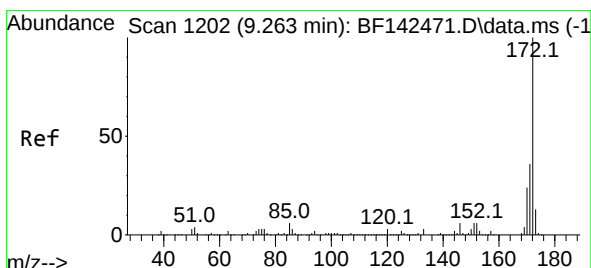
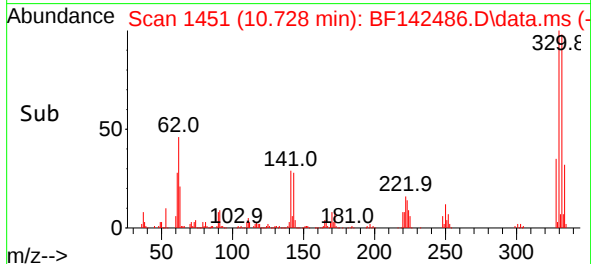
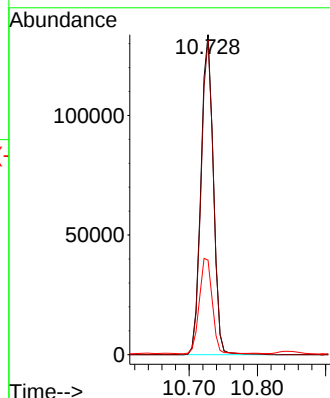
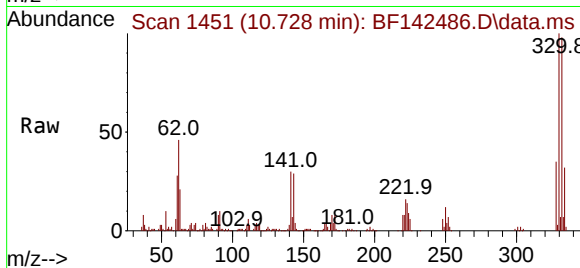
Tgt Ion:330 Resp: 169138

Ion Ratio Lower Upper

330 100

332 97.8 77.6 116.4

141 31.2 24.6 36.8



#45

2-Fluorobiphenyl

Concen: 56.192 ng

RT: 9.257 min Scan# 1201

Delta R.T. -0.012 min

Lab File: BF142486.D

Acq: 21 May 2025 14:37

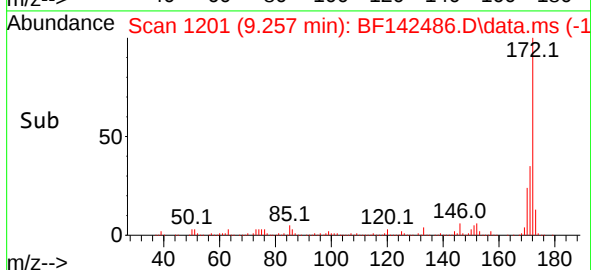
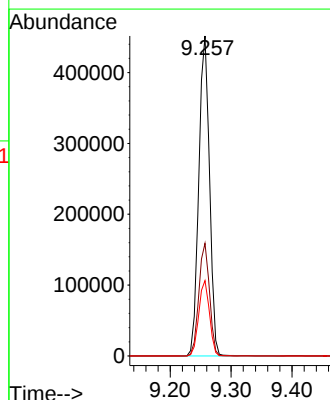
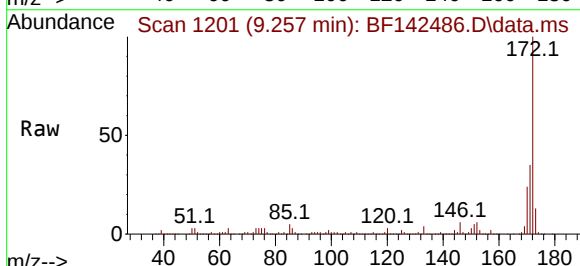
Tgt Ion:172 Resp: 552003

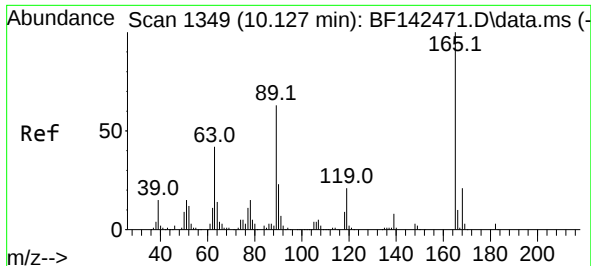
Ion Ratio Lower Upper

172 100

171 35.2 28.6 42.8

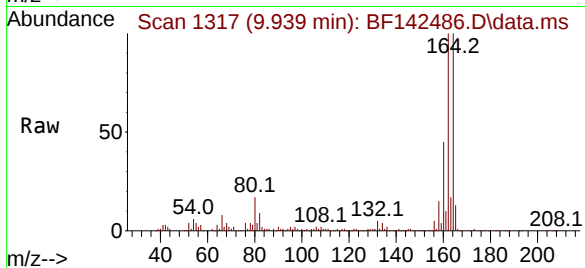
170 23.6 18.9 28.3



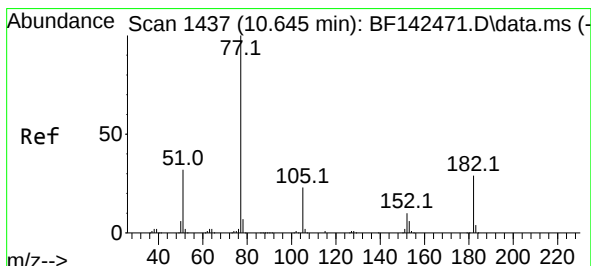
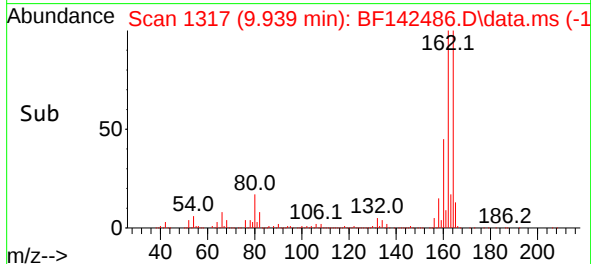
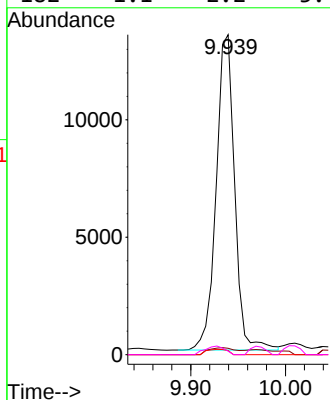


#57
2,4-Dinitrotoluene
Concen: 7.431 ng
RT: 9.939 min Scan# 11
Delta R.T. -0.194 min
Lab File: BF142486.D
Acq: 21 May 2025 14:37

Instrument :
BNA_F
ClientSampleId :
SS-11

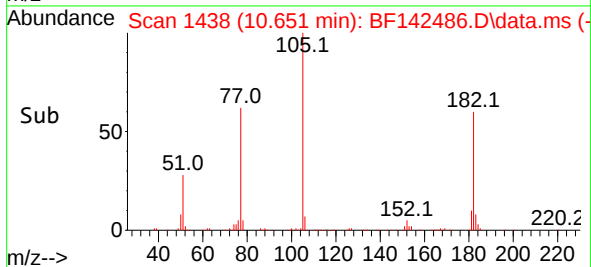
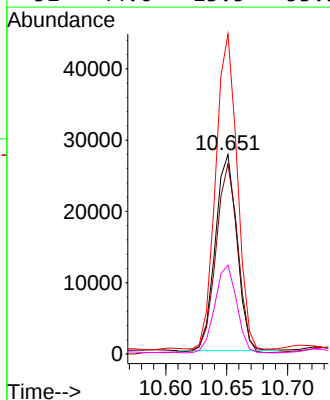
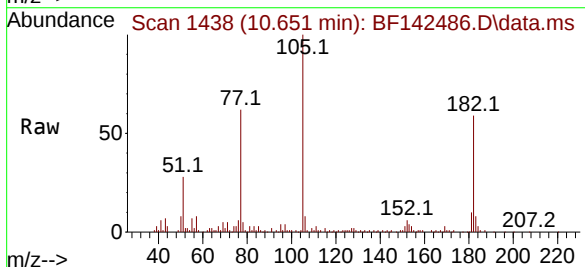


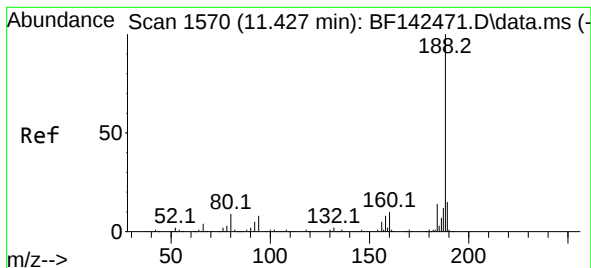
Tgt Ion:165 Resp: 18217
Ion Ratio Lower Upper
165 100
63 2.0 33.6 50.4#
89 1.3 50.2 75.4#
182 1.1 2.2 3.4#



#63
Azobenzene
Concen: 4.461 ng
RT: 10.651 min Scan# 1438
Delta R.T. 0.006 min
Lab File: BF142486.D
Acq: 21 May 2025 14:37

Tgt Ion: 77 Resp: 34033
Ion Ratio Lower Upper
77 100
182 95.4 9.0 49.0#
105 160.6 2.4 42.4#
51 44.6 13.5 53.5





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.427 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF142486.D

Acq: 21 May 2025 14:37

Instrument :

BNA_F

ClientSampleId :

SS-11

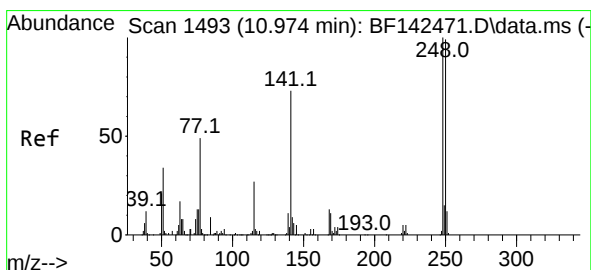
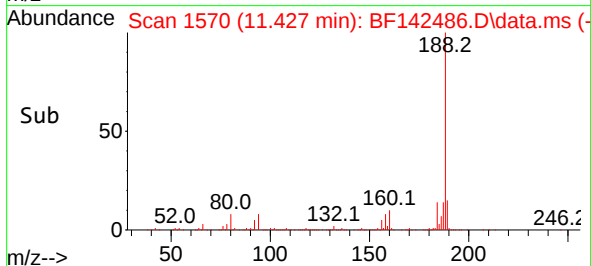
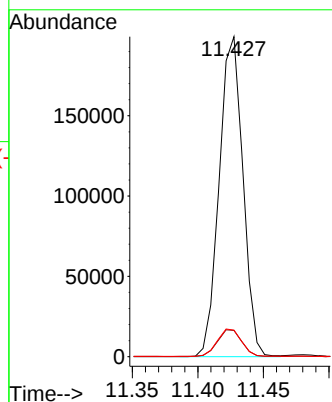
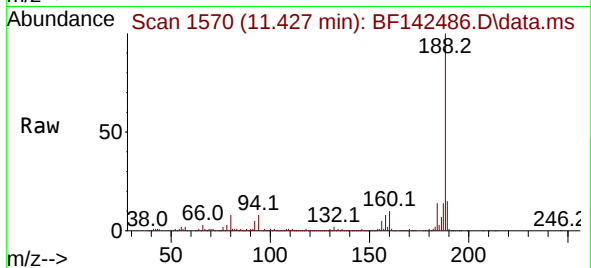
Tgt Ion:188 Resp: 250730

Ion Ratio Lower Upper

188 100

94 8.2 6.6 10.0

80 8.3 7.4 11.0



#67

4-Bromophenyl-phenylether

Concen: 3.710 ng

RT: 10.728 min Scan# 1451

Delta R.T. -0.247 min

Lab File: BF142486.D

Acq: 21 May 2025 14:37

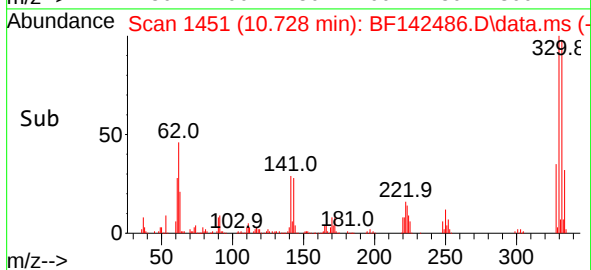
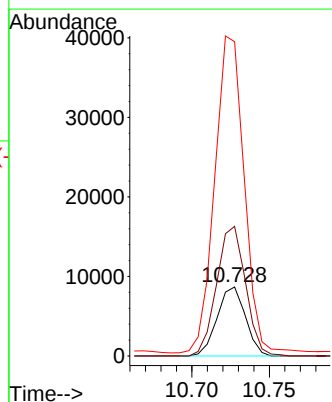
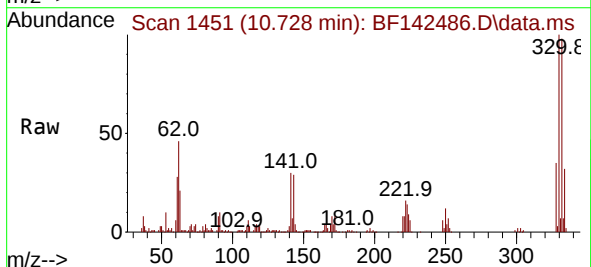
Tgt Ion:248 Resp: 11000

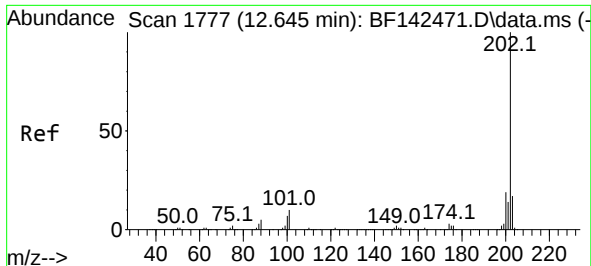
Ion Ratio Lower Upper

248 100

250 187.9 79.0 118.4#

141 455.4 58.4 87.6#

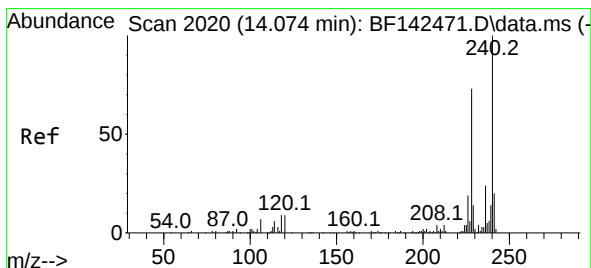
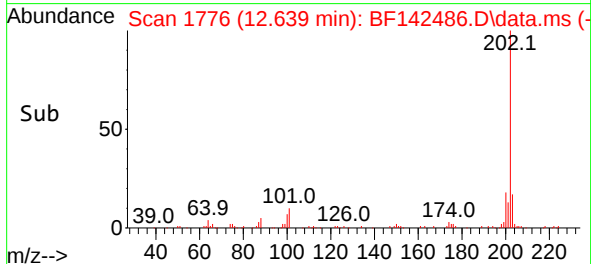
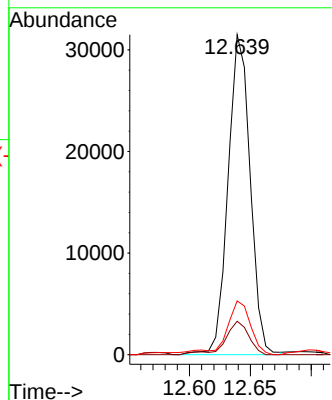
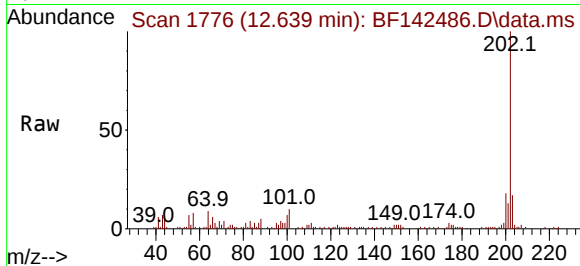




#75
Fluoranthene
Concen: 3.184 ng
RT: 12.639 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142486.D
Acq: 21 May 2025 14:37

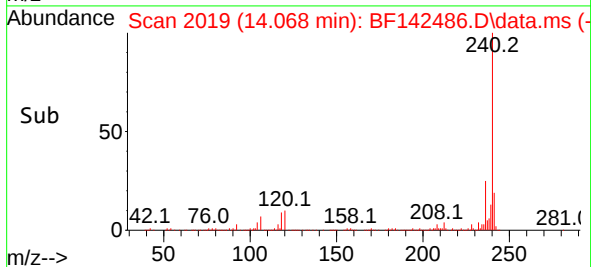
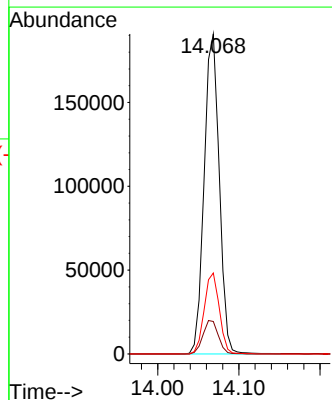
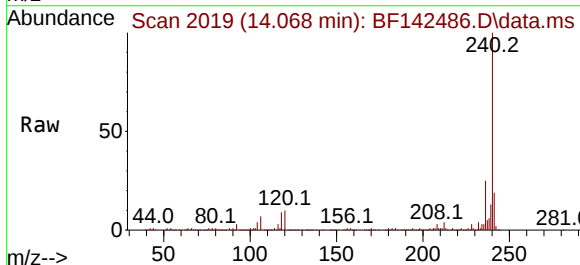
Instrument :
BNA_F
ClientSampleId :
SS-11

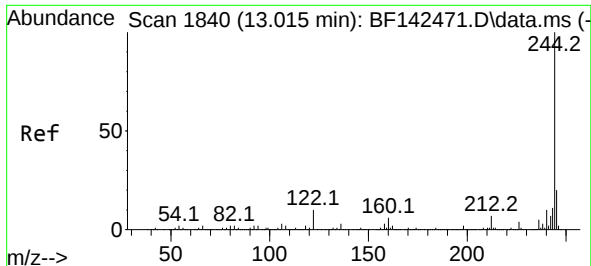
Tgt Ion:202 Resp: 39866
Ion Ratio Lower Upper
202 100
101 10.4 0.0 29.6
203 16.8 0.0 37.2



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.068 min Scan# 2019
Delta R.T. -0.006 min
Lab File: BF142486.D
Acq: 21 May 2025 14:37

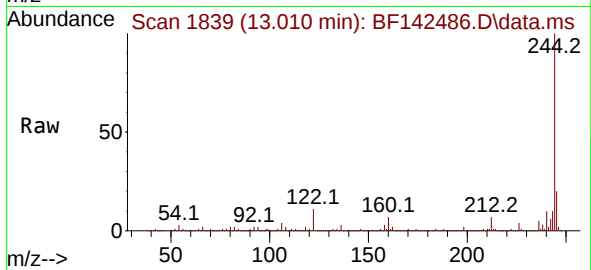
Tgt Ion:240 Resp: 246437
Ion Ratio Lower Upper
240 100
120 10.1 7.5 11.3
236 25.3 19.6 29.4



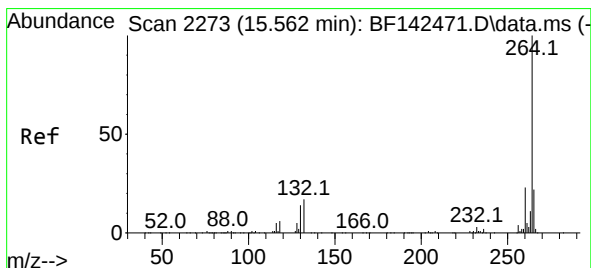
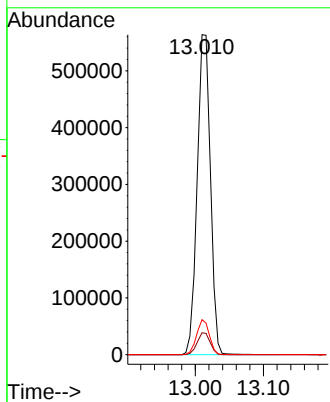
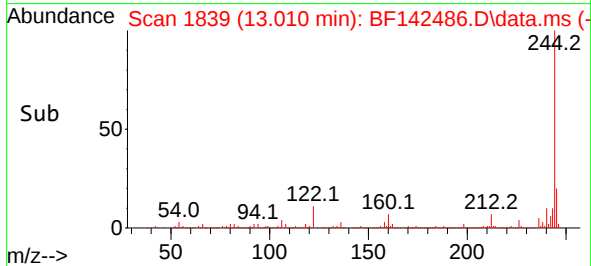


#79
Terphenyl-d14
Concen: 42.156 ng
RT: 13.010 min Scan# 1839
Delta R.T. -0.006 min
Lab File: BF142486.D
Acq: 21 May 2025 14:37

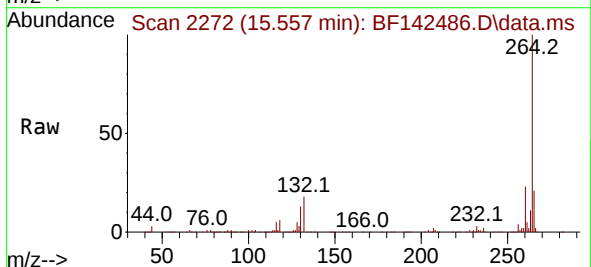
Instrument :
BNA_F
ClientSampleId :
SS-11



Tgt Ion:244 Resp: 760226
Ion Ratio Lower Upper
244 100
212 6.8 5.3 7.9
122 10.9 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: BF142486.D
Acq: 21 May 2025 14:37



Tgt Ion:264 Resp: 209013
Ion Ratio Lower Upper
264 100
260 23.2 18.6 28.0
265 21.4 17.7 26.5

