

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060625\
 Data File : BF142677.D
 Acq On : 07 Jun 2025 08:02
 Operator : RC/JU
 Sample : Q2241-05
 Misc :
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-S

Quant Time: Jun 09 01:03:06 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)

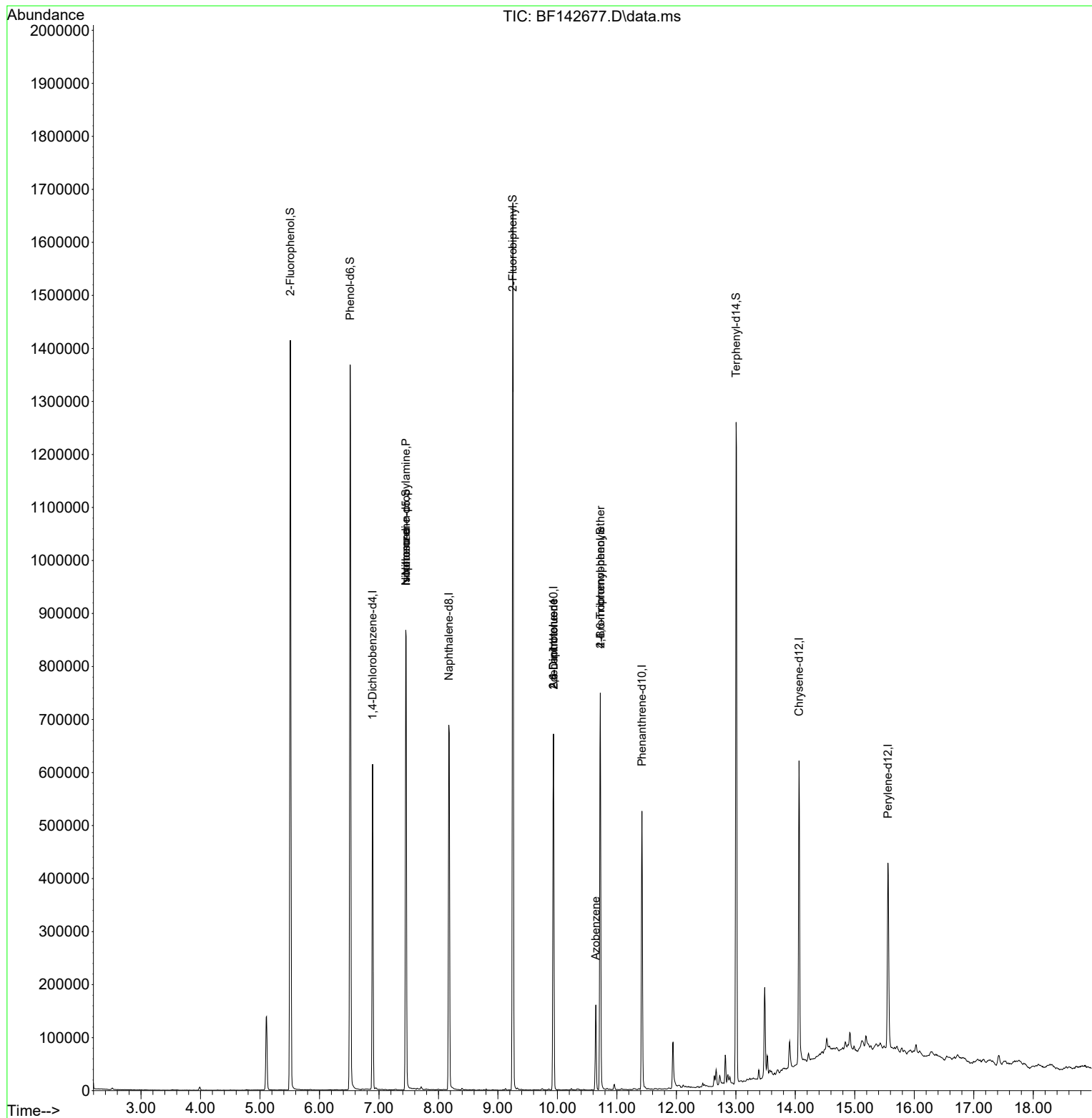
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.892	152	132276	20.000	ng	-0.01
21) Naphthalene-d8	8.175	136	468238	20.000	ng	-0.01
39) Acenaphthene-d10	9.933	164	200702	20.000	ng	-0.01
64) Phenanthrene-d10	11.422	188	283173	20.000	ng	-0.01
76) Chrysene-d12	14.063	240	283890	20.000	ng	-0.01
86) Perylene-d12	15.557	264	216938	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	544649	69.370	ng	0.00
7) Phenol-d6	6.516	99	654848	69.288	ng	-0.02
23) Nitrobenzene-d5	7.451	82	381747	44.456	ng	-0.02
42) 2,4,6-Tribromophenol	10.722	330	132916	59.669	ng	-0.02
45) 2-Fluorobiphenyl	9.251	172	750252	50.161	ng	-0.02
79) Terphenyl-d14	13.004	244	625290	30.099	ng	-0.01
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.451	70	50936	8.696	ng	# 77
25) Isophorone	7.451	82	369793	25.757	ng	# 63
51) 2,6-Dinitrotoluene	9.933	165	25986	9.092	ng	# 27
57) 2,4-Dinitrotoluene	9.933	165	25986	6.962	ng	# 28
63) Azobenzene	10.645	77	37418	3.221	ng	# 1
67) 4-Bromophenyl-phenylether	10.722	248	8422	2.515	ng	# 1

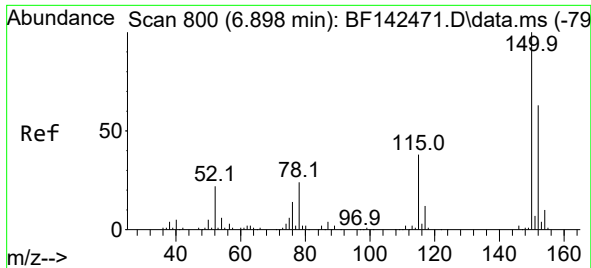
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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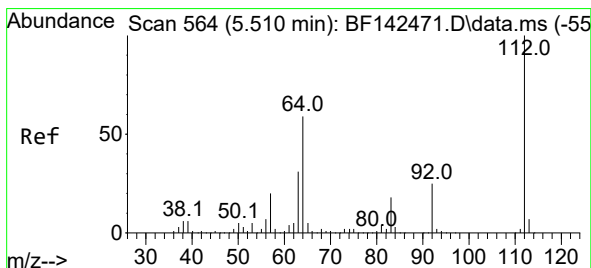
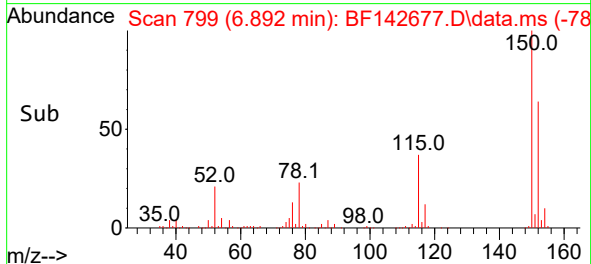
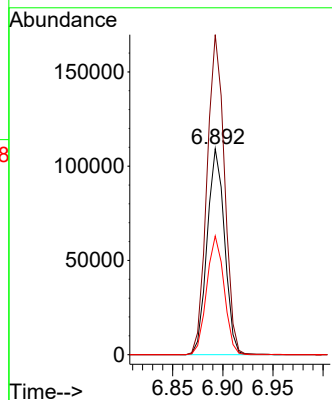
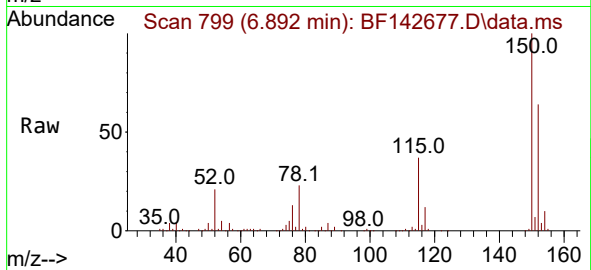




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.892 min Scan# 799
Delta R.T. -0.012 min
Lab File: BF142677.D
Acq: 07 Jun 2025 08:02

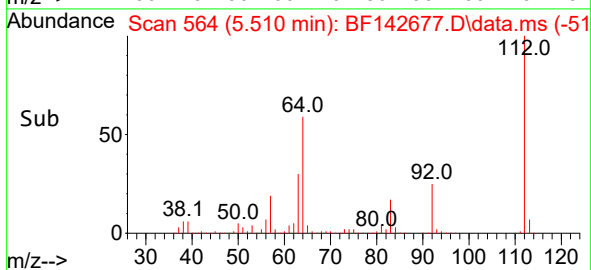
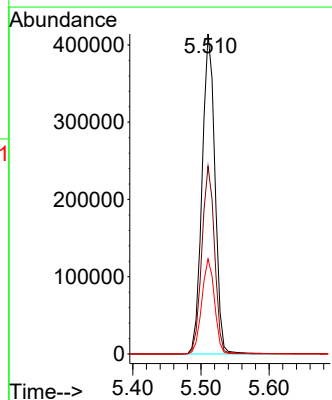
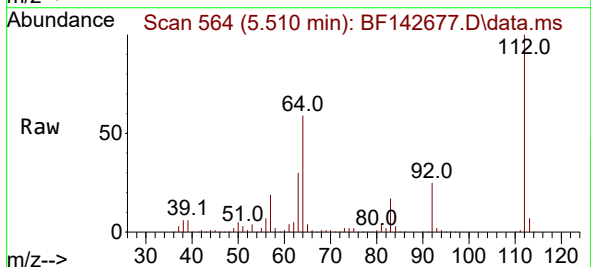
Instrument :
BNA_F
ClientSampleId :
TP-S

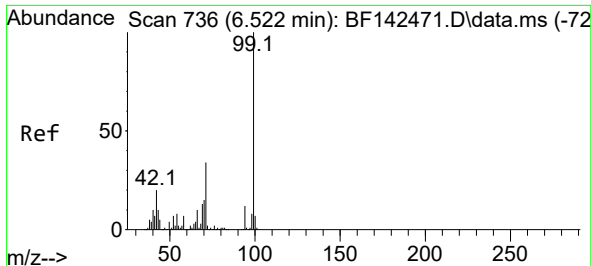
Tgt Ion:152 Resp: 132276
Ion Ratio Lower Upper
152 100
150 155.3 128.2 192.4
115 57.7 48.3 72.5



#5
2-Fluorophenol
Concen: 69.370 ng
RT: 5.510 min Scan# 564
Delta R.T. -0.006 min
Lab File: BF142677.D
Acq: 07 Jun 2025 08:02

Tgt Ion:112 Resp: 544649
Ion Ratio Lower Upper
112 100
64 58.7 47.5 71.3
63 29.7 24.9 37.3

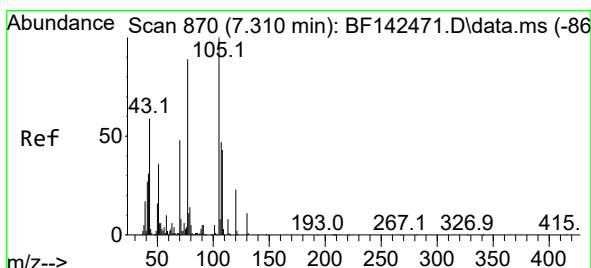
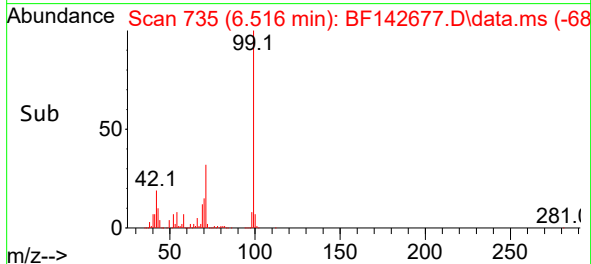
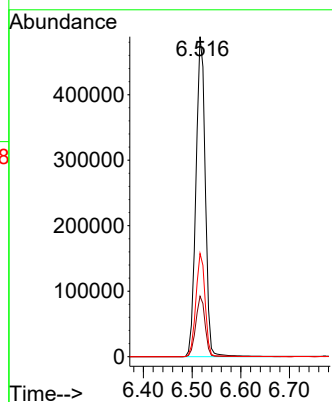
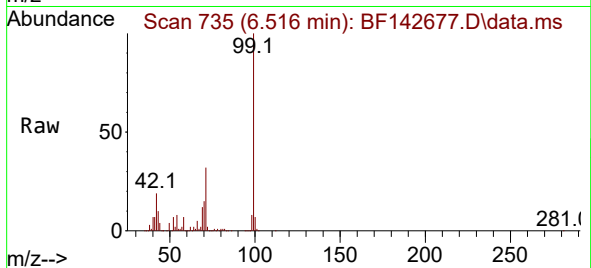




#7
Phenol-d6
Concen: 69.288 ng
RT: 6.516 min Scan# 71
Delta R.T. -0.018 min
Lab File: BF142677.D
Acq: 07 Jun 2025 08:02

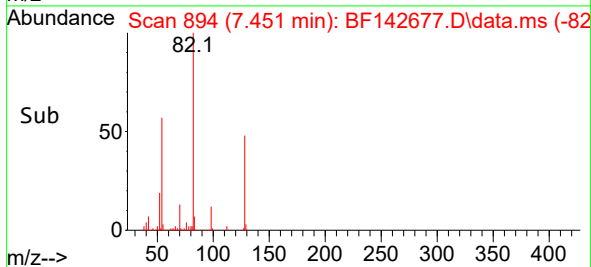
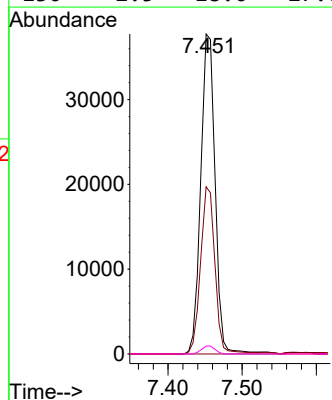
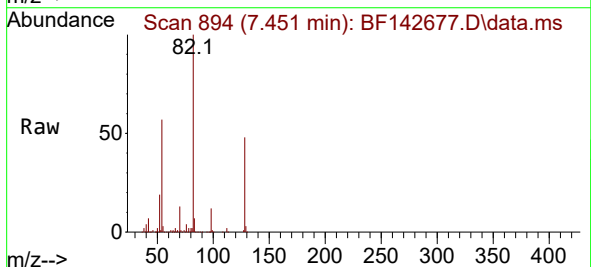
Instrument :
BNA_F
ClientSampleId :
TP-S

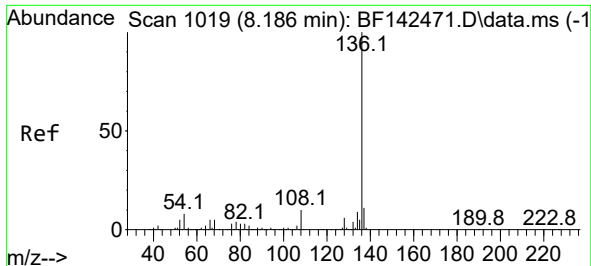
Tgt Ion: 99 Resp: 654848
Ion Ratio Lower Upper
99 100
42 18.9 16.2 24.2
71 32.3 27.3 40.9



#19
n-Nitroso-di-n-propylamine
Concen: 8.696 ng
RT: 7.451 min Scan# 894
Delta R.T. 0.124 min
Lab File: BF142677.D
Acq: 07 Jun 2025 08:02

Tgt Ion: 70 Resp: 50936
Ion Ratio Lower Upper
70 100
42 52.2 52.4 78.6#
101 0.0 7.8 11.8#
130 2.5 18.0 27.0#

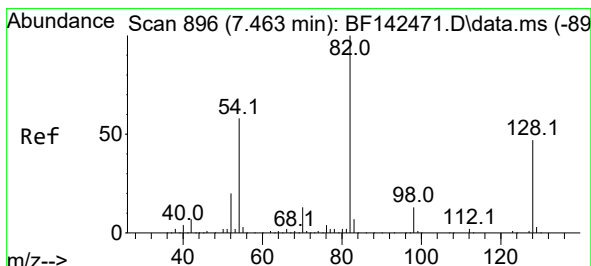
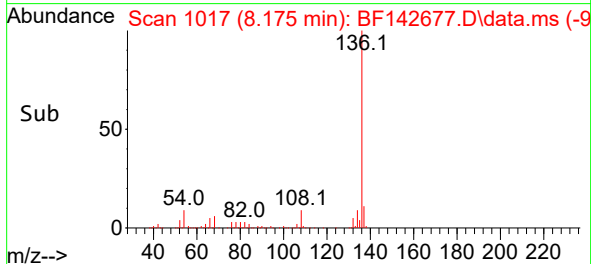
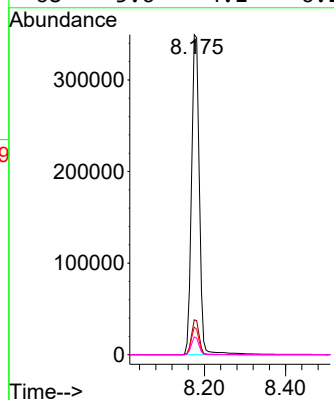
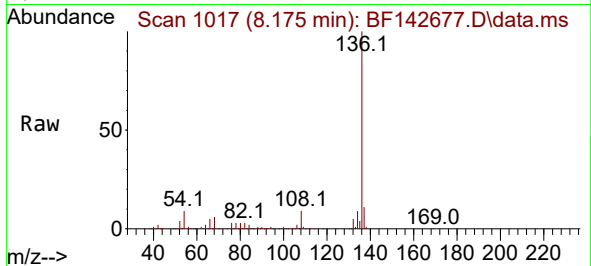




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.175 min Scan# 1017
Delta R.T. -0.012 min
Lab File: BF142677.D
Acq: 07 Jun 2025 08:02

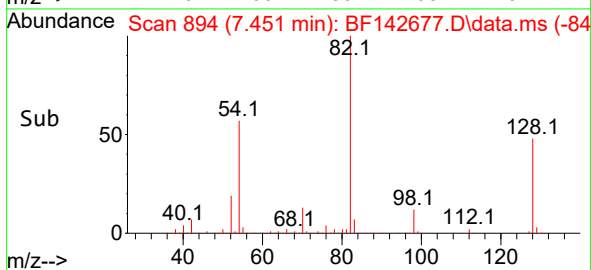
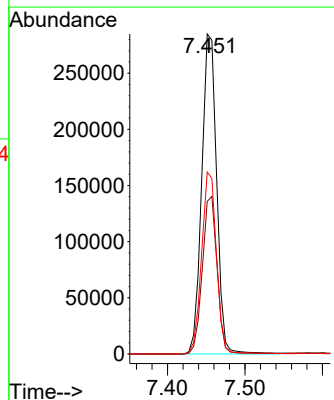
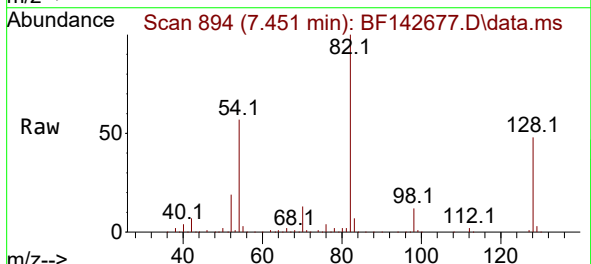
Instrument :
BNA_F
ClientSampleId :
TP-S

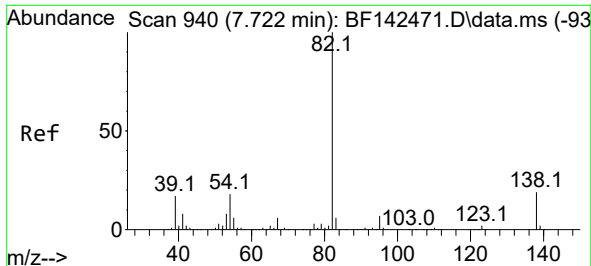
Tgt Ion:136 Resp: 468238
Ion Ratio Lower Upper
136 100
137 10.9 8.6 13.0
54 8.6 6.6 10.0
68 5.6 4.1 6.1



#23
Nitrobenzene-d5
Concen: 44.456 ng
RT: 7.451 min Scan# 894
Delta R.T. -0.023 min
Lab File: BF142677.D
Acq: 07 Jun 2025 08:02

Tgt Ion: 82 Resp: 381747
Ion Ratio Lower Upper
82 100
128 47.7 37.4 56.2
54 56.9 46.6 70.0

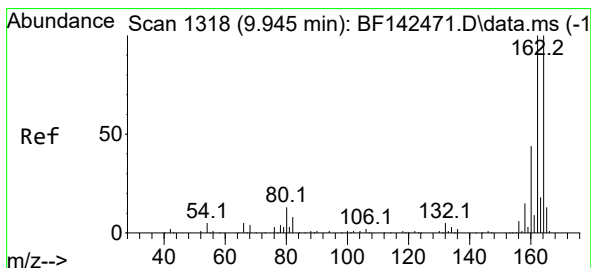
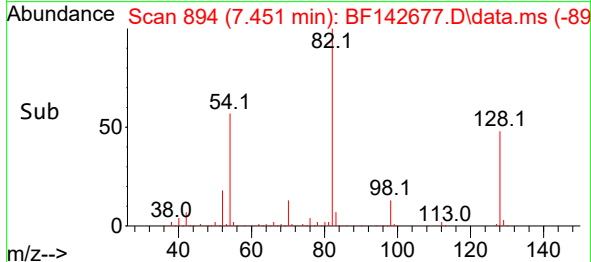
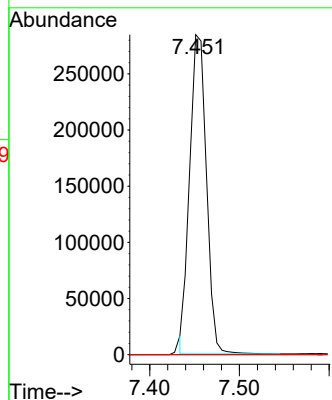
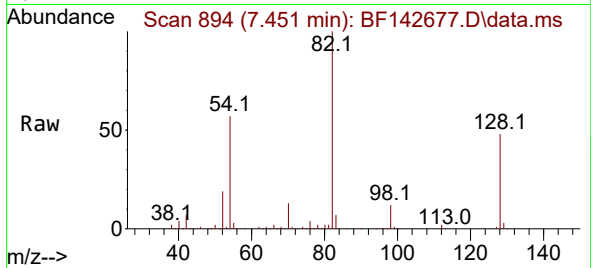




#25
Isophorone
Concen: 25.757 ng
RT: 7.451 min Scan# 894
Delta R.T. -0.282 min
Lab File: BF142677.D
Acq: 07 Jun 2025 08:02

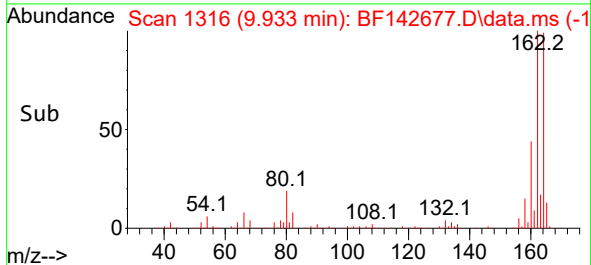
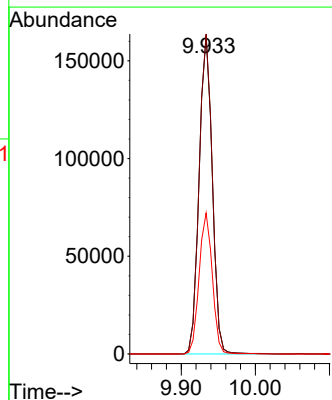
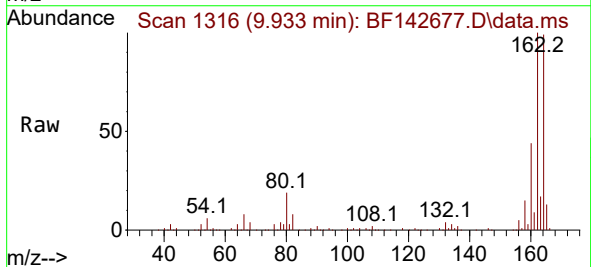
Instrument :
BNA_F
ClientSampleId :
TP-S

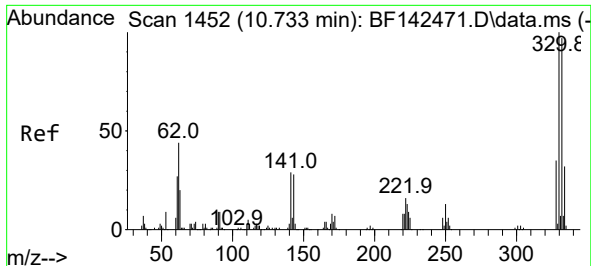
Tgt Ion: 82 Resp: 369793
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 15.5 23.3#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.933 min Scan# 1316
Delta R.T. -0.012 min
Lab File: BF142677.D
Acq: 07 Jun 2025 08:02

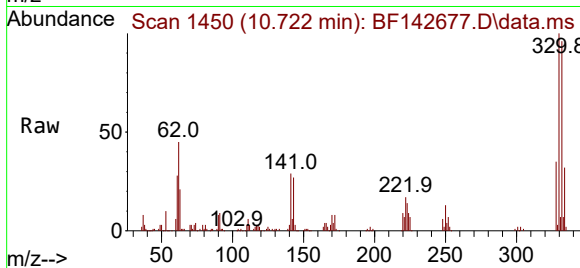
Tgt Ion:164 Resp: 200702
Ion Ratio Lower Upper
164 100
162 100.6 80.2 120.4
160 44.3 35.6 53.4



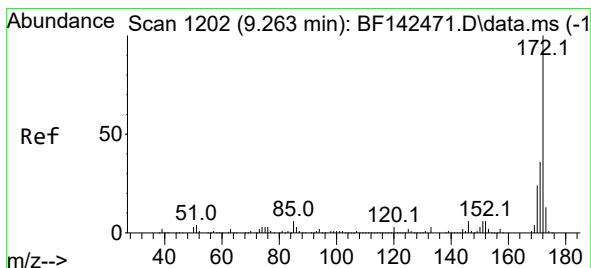
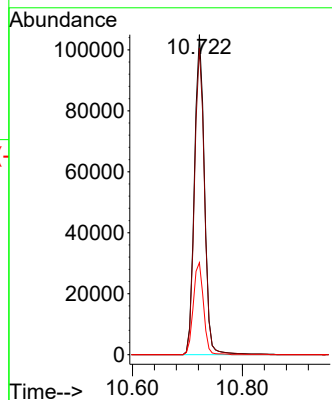
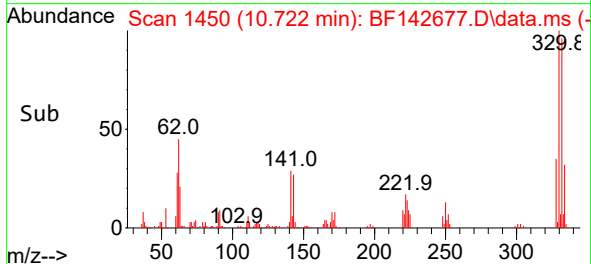


#42
2,4,6-Tribromophenol
Concen: 59.669 ng
RT: 10.722 min Scan# 1452
Delta R.T. -0.018 min
Lab File: BF142677.D
Acq: 07 Jun 2025 08:02

Instrument :
BNA_F
ClientSampleId :
TP-S

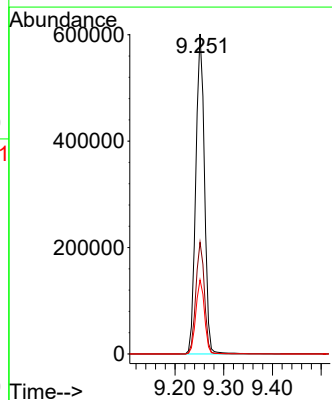
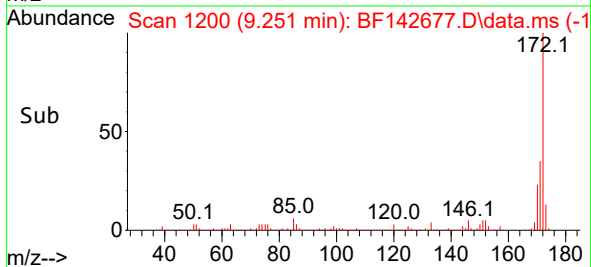
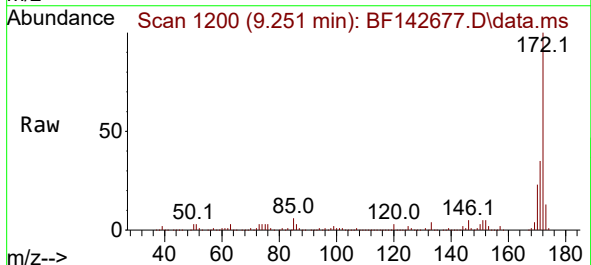


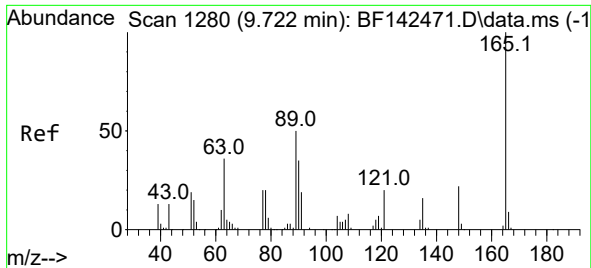
Tgt Ion:330 Resp: 132916
Ion Ratio Lower Upper
330 100
332 95.5 77.6 116.4
141 29.1 24.6 36.8



#45
2-Fluorobiphenyl
Concen: 50.161 ng
RT: 9.251 min Scan# 1200
Delta R.T. -0.017 min
Lab File: BF142677.D
Acq: 07 Jun 2025 08:02

Tgt Ion:172 Resp: 750252
Ion Ratio Lower Upper
172 100
171 34.9 28.6 42.8
170 23.2 18.9 28.3

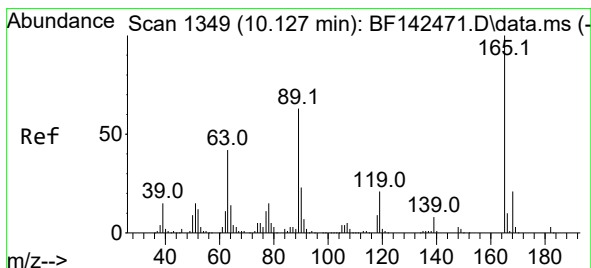
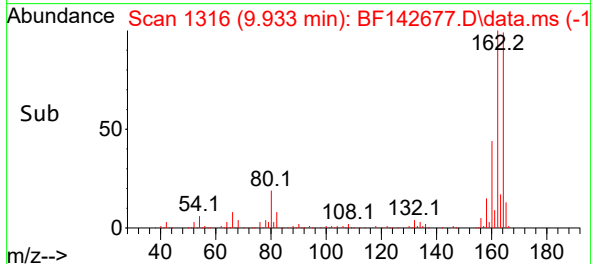
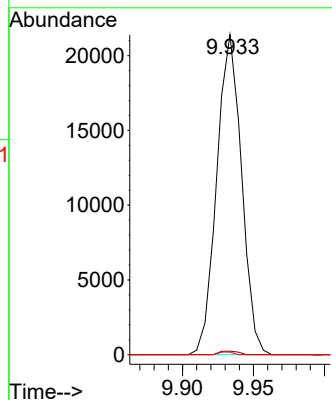
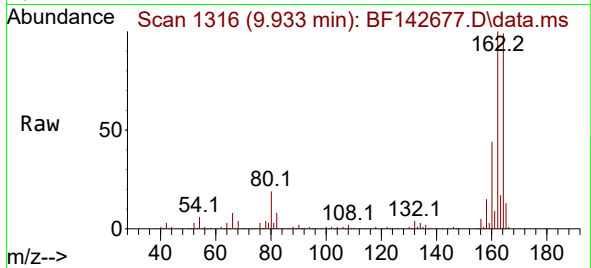




#51
2,6-Dinitrotoluene
Concen: 9.092 ng
RT: 9.933 min Scan# 11
Delta R.T. 0.206 min
Lab File: BF142677.D
Acq: 07 Jun 2025 08:02

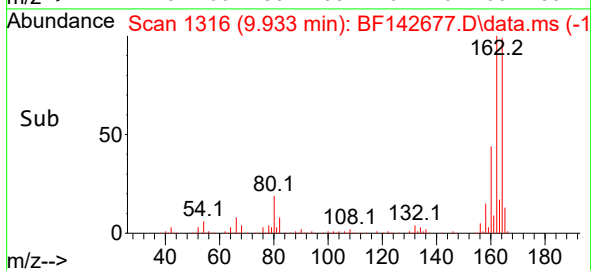
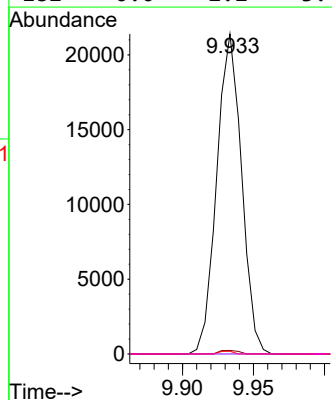
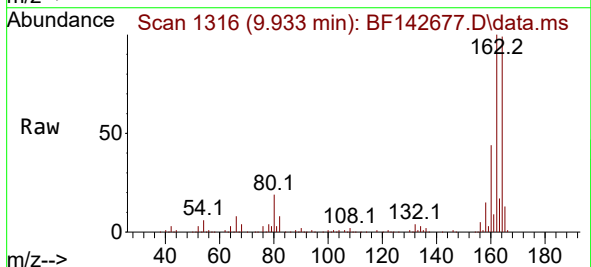
Instrument :
BNA_F
ClientSampleId :
TP-S

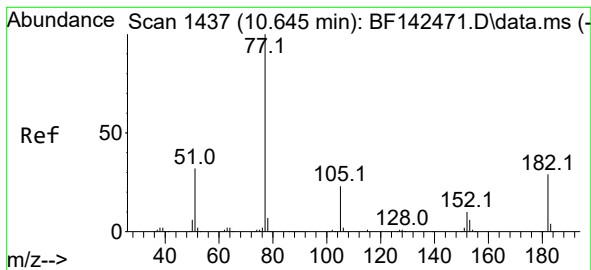
Tgt Ion:165 Resp: 25986
Ion Ratio Lower Upper
165 100
63 1.1 42.9 64.3#
89 0.9 40.2 60.4#



#57
2,4-Dinitrotoluene
Concen: 6.962 ng
RT: 9.933 min Scan# 1316
Delta R.T. -0.200 min
Lab File: BF142677.D
Acq: 07 Jun 2025 08:02

Tgt Ion:165 Resp: 25986
Ion Ratio Lower Upper
165 100
63 1.1 33.6 50.4#
89 0.9 50.2 75.4#
182 0.0 2.2 3.4#





#63

Azobenzene

Concen: 3.221 ng

RT: 10.645 min Scan# 14

Delta R.T. 0.000 min

Lab File: BF142677.D

Acq: 07 Jun 2025 08:02

Instrument :

BNA_F

ClientSampleId :

TP-S

Tgt Ion: 77 Resp: 37418

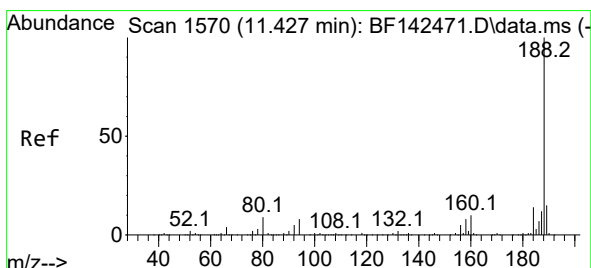
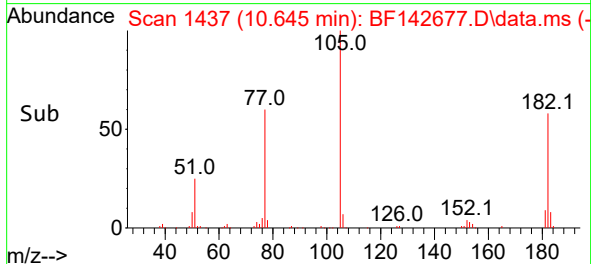
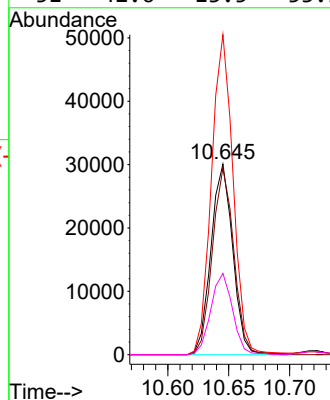
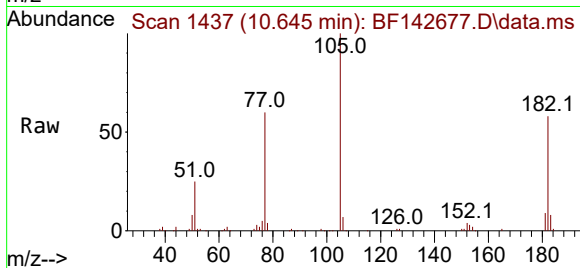
Ion Ratio Lower Upper

77 100

182 97.8 9.0 49.0#

105 168.0 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: BF142677.D

Acq: 07 Jun 2025 08:02

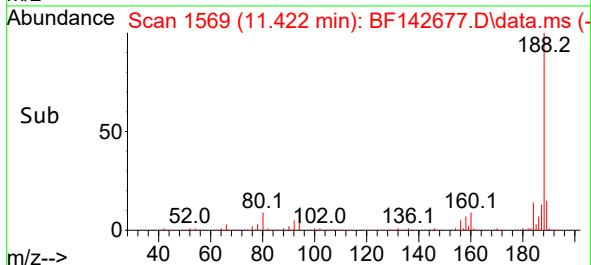
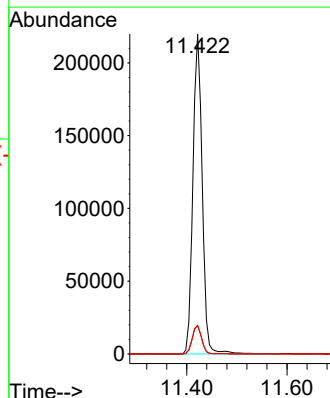
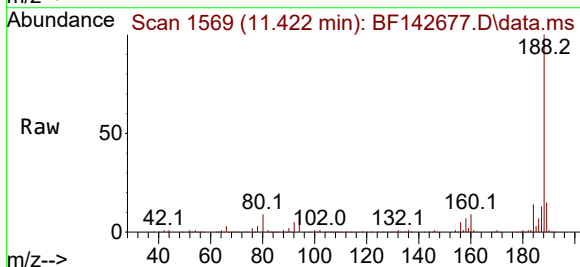
Tgt Ion:188 Resp: 283173

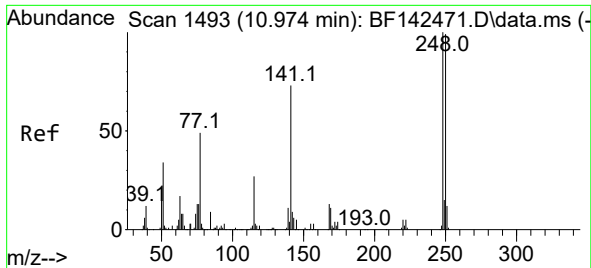
Ion Ratio Lower Upper

188 100

94 8.9 6.6 10.0

80 8.9 7.4 11.0

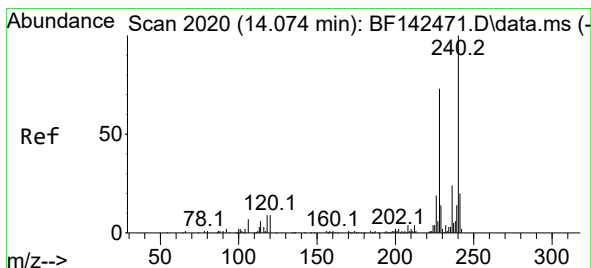
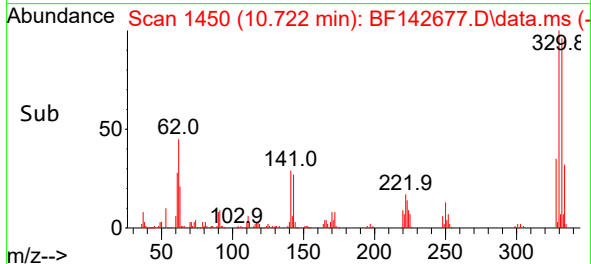
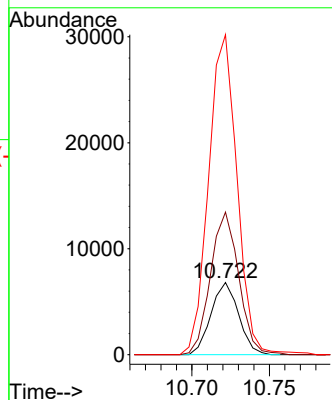
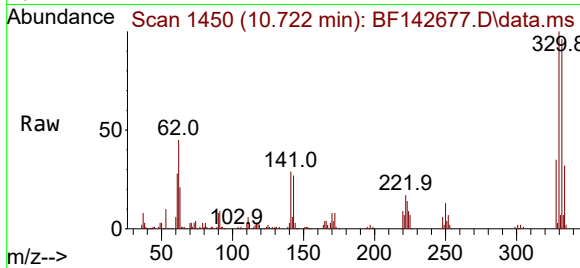




#67
4-Bromophenyl-phenylether
Concen: 2.515 ng
RT: 10.722 min Scan# 14
Delta R.T. -0.253 min
Lab File: BF142677.D
Acq: 07 Jun 2025 08:02

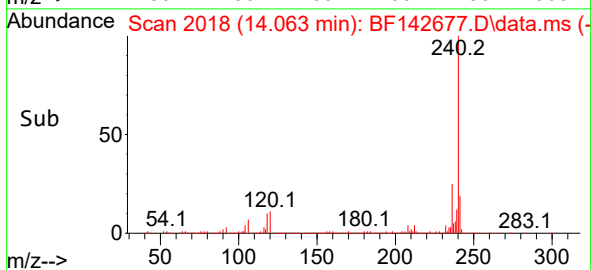
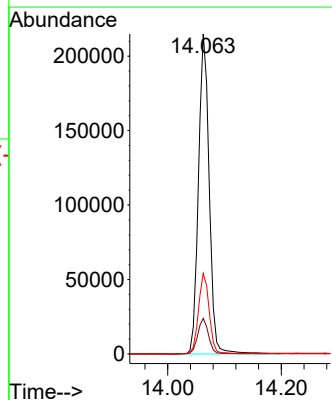
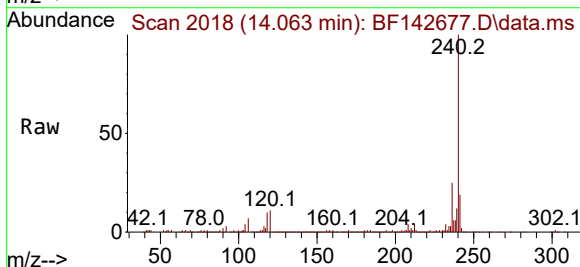
Instrument :
BNA_F
ClientSampleId :
TP-S

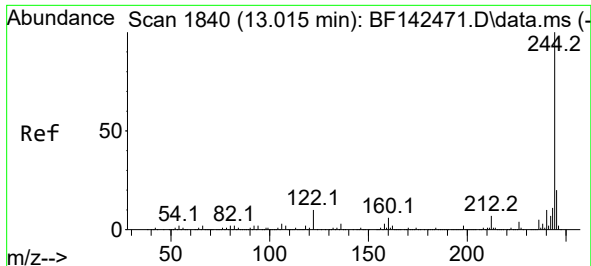
Tgt Ion:248 Resp: 8422
Ion Ratio Lower Upper
248 100
250 197.7 79.0 118.4#
141 443.7 58.4 87.6#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.063 min Scan# 2018
Delta R.T. -0.012 min
Lab File: BF142677.D
Acq: 07 Jun 2025 08:02

Tgt Ion:240 Resp: 283890
Ion Ratio Lower Upper
240 100
120 11.1 7.5 11.3
236 25.2 19.6 29.4

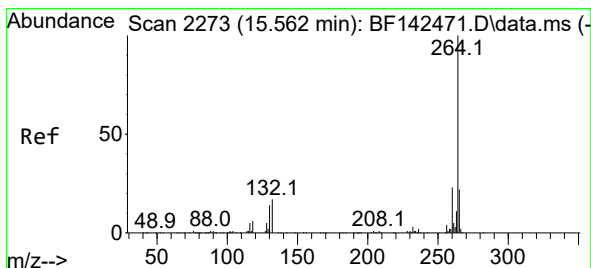
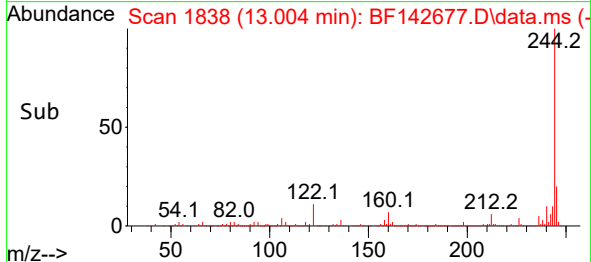
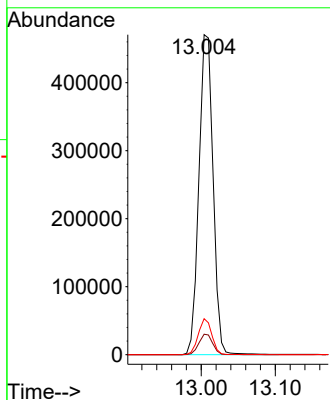
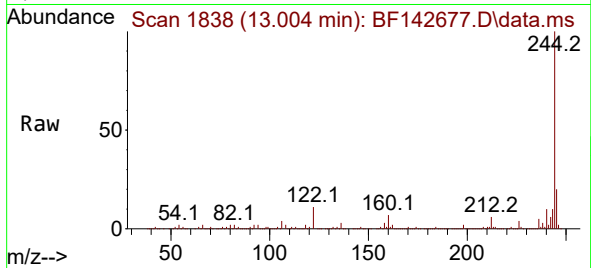




#79
 Terphenyl-d14
 Concen: 30.099 ng
 RT: 13.004 min Scan# 1838
 Delta R.T. -0.012 min
 Lab File: BF142677.D
 Acq: 07 Jun 2025 08:02

Instrument :
 BNA_F
 ClientSampleId :
 TP-S

Tgt Ion:244 Resp: 625290
 Ion Ratio Lower Upper
 244 100
 212 6.4 5.3 7.9
 122 11.3 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: BF142677.D
 Acq: 07 Jun 2025 08:02

Tgt Ion:264 Resp: 216938
 Ion Ratio Lower Upper
 264 100
 260 23.6 18.6 28.0
 265 21.3 17.7 26.5

