

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF053025\
 Data File : BF142578.D
 Acq On : 30 May 2025 19:15
 Operator : RC/JU
 Sample : Q2151-04
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-1

Quant Time: May 30 22:28:48 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)

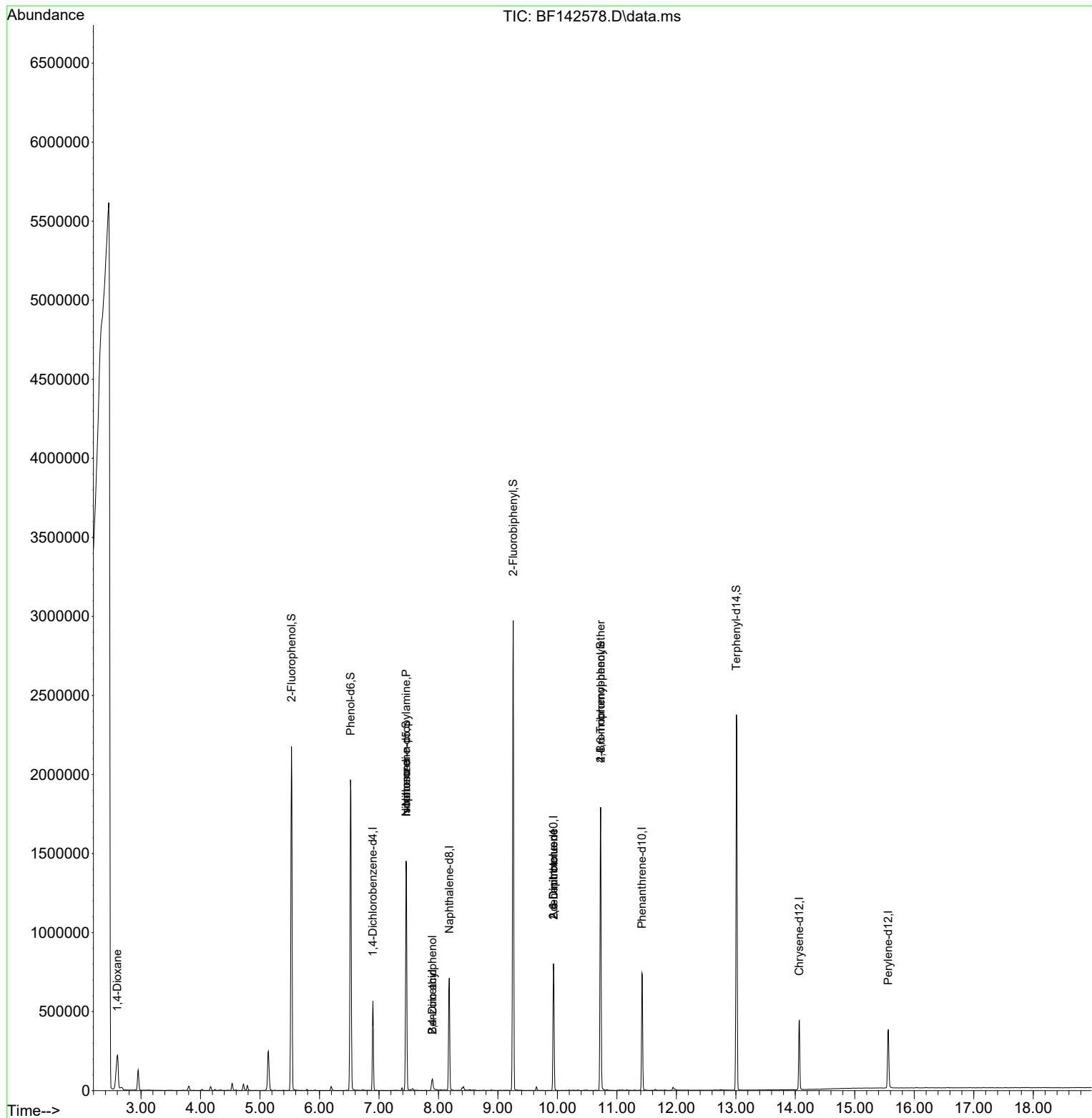
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.898	152	123102	20.000	ng	0.00
21) Naphthalene-d8	8.181	136	464398	20.000	ng	0.00
39) Acenaphthene-d10	9.933	164	246146	20.000	ng	-0.01
64) Phenanthrene-d10	11.422	188	399597	20.000	ng	-0.01
76) Chrysene-d12	14.068	240	228064	20.000	ng	0.00
86) Perylene-d12	15.562	264	223103	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.528	112	870860	119.185	ng	0.01
7) Phenol-d6	6.522	99	1006091	114.385	ng	-0.01
23) Nitrobenzene-d5	7.457	82	665811	78.178	ng	-0.02
42) 2,4,6-Tribromophenol	10.727	330	333833	122.198	ng	-0.01
45) 2-Fluorobiphenyl	9.257	172	1378694	75.159	ng	-0.01
79) Terphenyl-d14	13.010	244	1218781	73.029	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.599	88	6655	2.276	ng	# 1
19) n-Nitroso-di-n-propyla...	7.457	70	89971	16.505	ng	# 75
25) Isophorone	7.457	82	633428	44.485	ng	# 63
27) 2,4-Dimethylphenol	7.898	122	26333	3.638	ng	# 5
32) Benzoic acid	7.898	122	26333	5.977	ng	# 99
51) 2,6-Dinitrotoluene	9.933	165	31529	8.994	ng	# 28
57) 2,4-Dinitrotoluene	9.933	165	31529	6.887	ng	# 28
67) 4-Bromophenyl-phenylether	10.727	248	20249	4.286	ng	# 1

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

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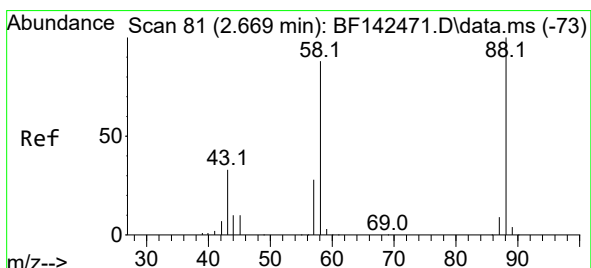
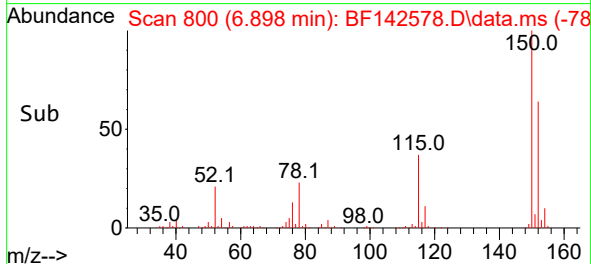
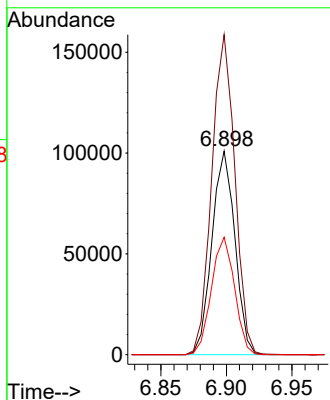
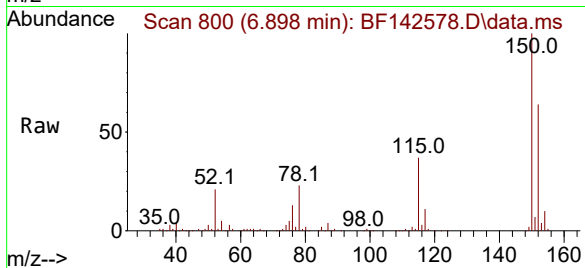




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.898 min Scan# 80
 Delta R.T. -0.006 min
 Lab File: BF142578.D
 Acq: 30 May 2025 19:15

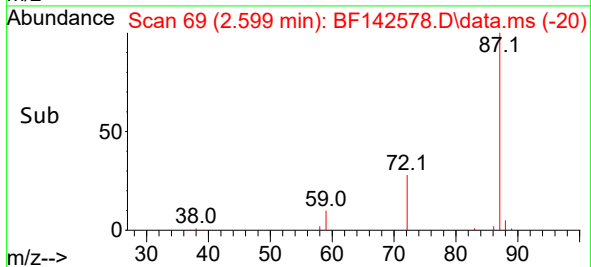
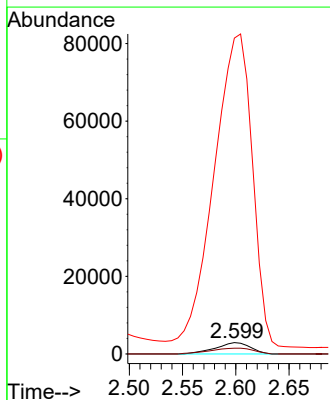
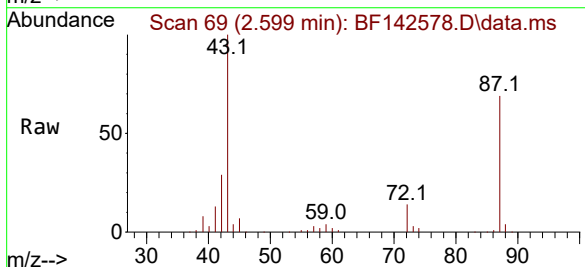
Instrument :
 BNA_F
 ClientSampleId :
 WC-1

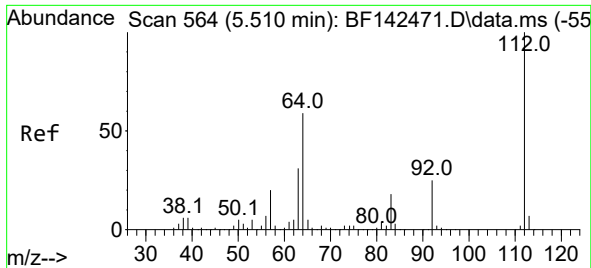
Tgt Ion:152 Resp: 123102
 Ion Ratio Lower Upper
 152 100
 150 157.2 128.2 192.4
 115 57.7 48.3 72.5



#2
 1,4-Dioxane
 Concen: 2.276 ng
 RT: 2.599 min Scan# 69
 Delta R.T. -0.065 min
 Lab File: BF142578.D
 Acq: 30 May 2025 19:15

Tgt Ion: 88 Resp: 6655
 Ion Ratio Lower Upper
 88 100
 58 63.3 70.8 106.2#
 43 3158.9 26.6 40.0#

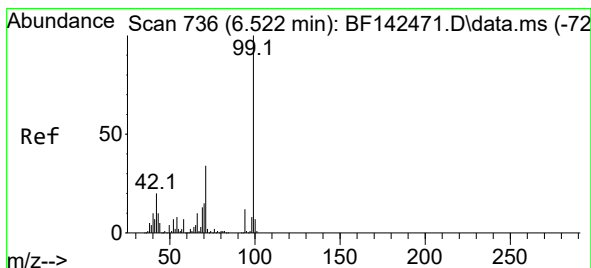
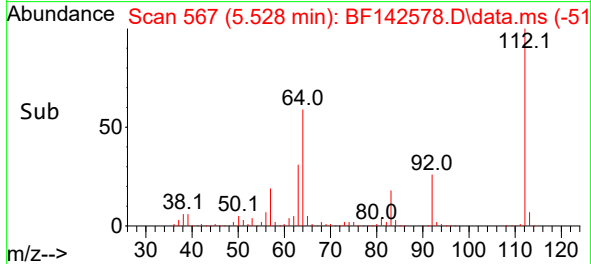
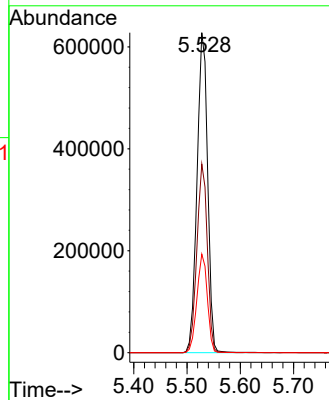
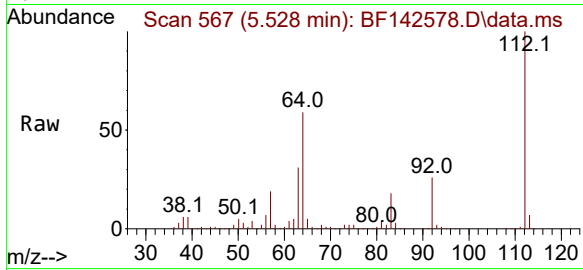




#5
2-Fluorophenol
Concen: 119.185 ng
RT: 5.528 min Scan# 511
Delta R.T. 0.012 min
Lab File: BF142578.D
Acq: 30 May 2025 19:15

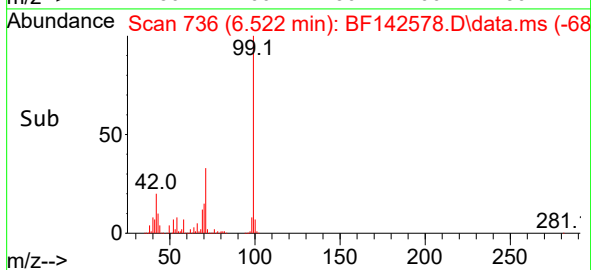
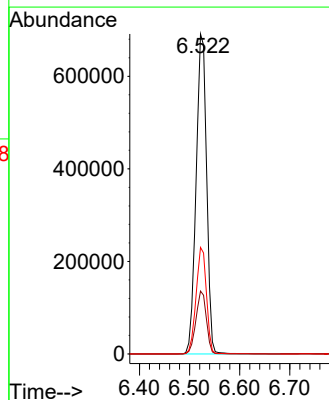
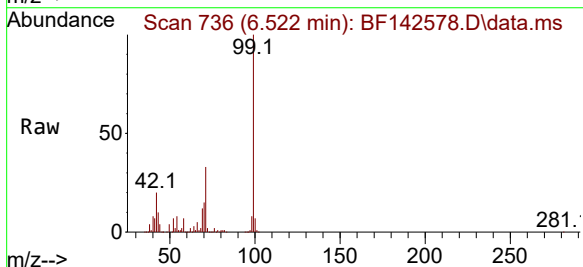
Instrument :
BNA_F
ClientSampleId :
WC-1

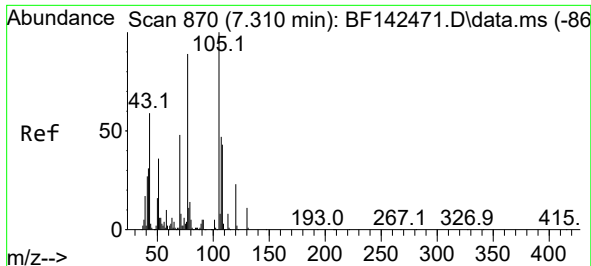
Tgt Ion:112 Resp: 870860
Ion Ratio Lower Upper
112 100
64 59.0 47.5 71.3
63 30.8 24.9 37.3



#7
Phenol-d6
Concen: 114.385 ng
RT: 6.522 min Scan# 736
Delta R.T. -0.012 min
Lab File: BF142578.D
Acq: 30 May 2025 19:15

Tgt Ion: 99 Resp: 1006091
Ion Ratio Lower Upper
99 100
42 19.7 16.2 24.2
71 33.3 27.3 40.9

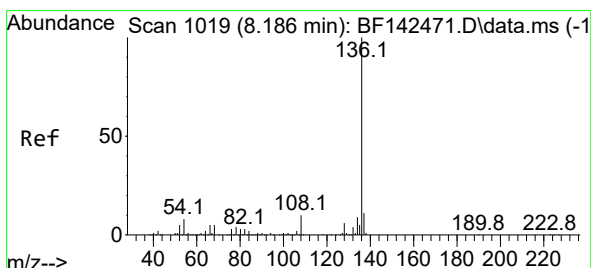
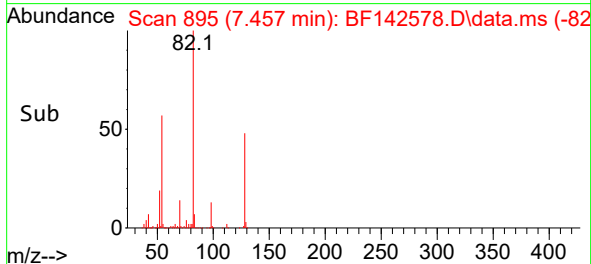
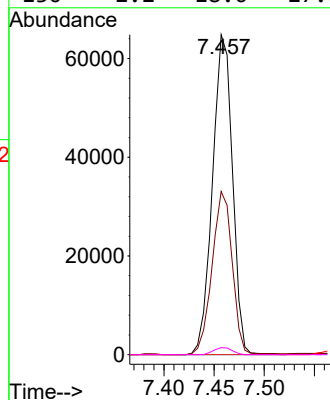
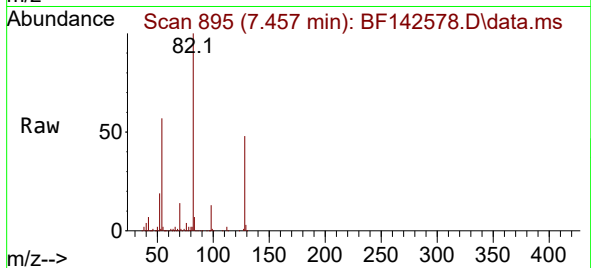




#19
n-Nitroso-di-n-propylamine
Concen: 16.505 ng
RT: 7.457 min Scan# 89
Delta R.T. 0.129 min
Lab File: BF142578.D
Acq: 30 May 2025 19:15

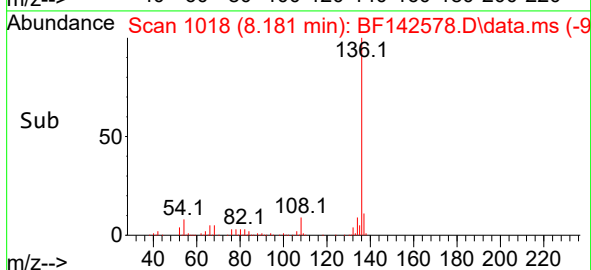
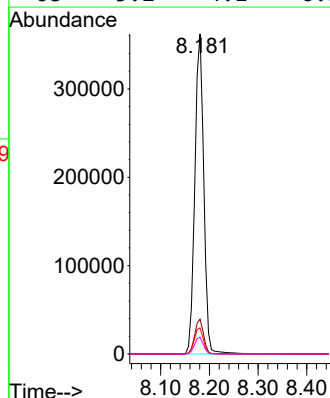
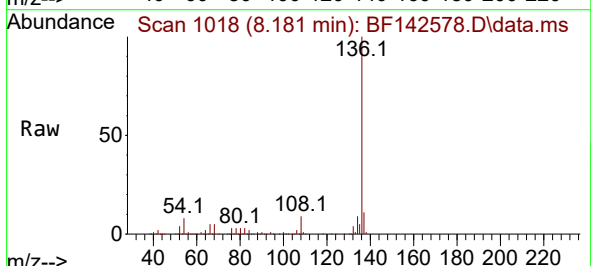
Instrument :
BNA_F
ClientSampleId :
WC-1

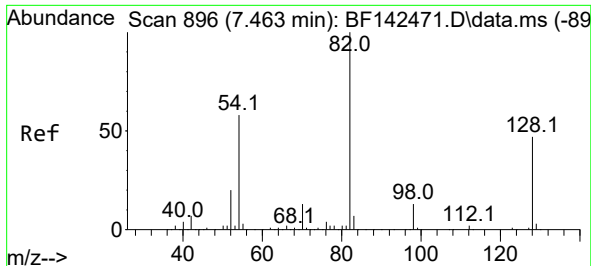
Tgt Ion:	70	Resp:	89971
Ion	Ratio	Lower	Upper
70	100		
42	51.0	52.4	78.6#
101	0.0	7.8	11.8#
130	2.2	18.0	27.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.181 min Scan# 1018
Delta R.T. -0.006 min
Lab File: BF142578.D
Acq: 30 May 2025 19:15

Tgt Ion:	136	Resp:	464398
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.6	13.0
54	8.1	6.6	10.0
68	5.2	4.1	6.1





#23

Nitrobenzene-d5

Concen: 78.178 ng

RT: 7.457 min Scan# 895

Delta R.T. -0.018 min

Lab File: BF142578.D

Acq: 30 May 2025 19:15

Instrument :

BNA_F

ClientSampleId :

WC-1

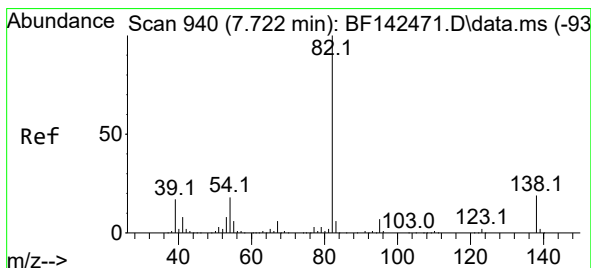
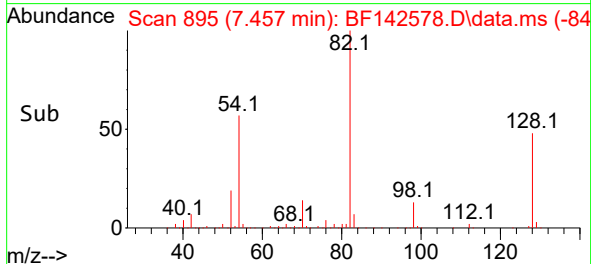
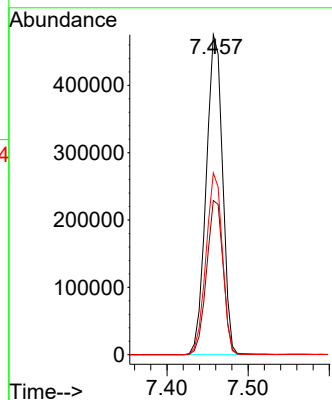
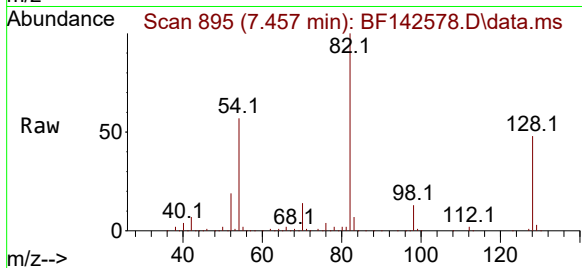
Tgt Ion: 82 Resp: 665811

Ion Ratio Lower Upper

82 100

128 48.1 37.4 56.2

54 56.8 46.6 70.0



#25

Isophorone

Concen: 44.485 ng

RT: 7.457 min Scan# 895

Delta R.T. -0.276 min

Lab File: BF142578.D

Acq: 30 May 2025 19:15

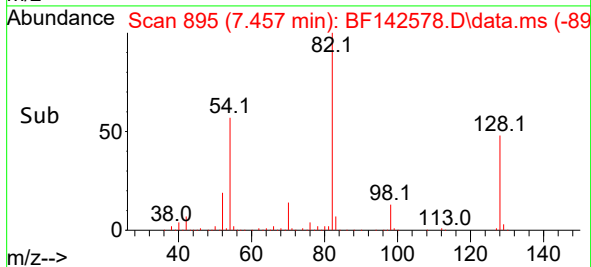
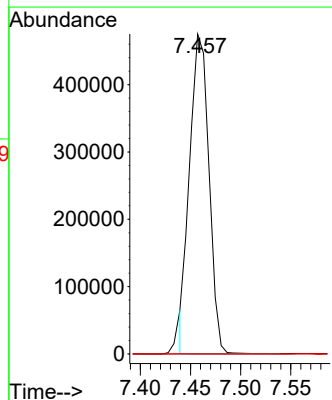
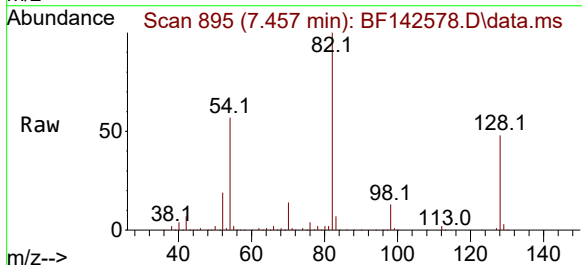
Tgt Ion: 82 Resp: 633428

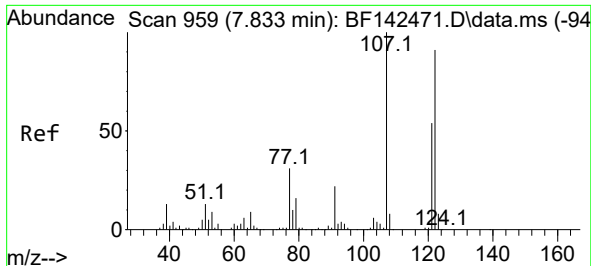
Ion Ratio Lower Upper

82 100

95 0.0 6.0 9.0#

138 0.0 15.5 23.3#





#27

2,4-Dimethylphenol

Concen: 3.638 ng

RT: 7.898 min Scan# 91

Delta R.T. 0.059 min

Lab File: BF142578.D

Acq: 30 May 2025 19:15

Instrument :

BNA_F

ClientSampleId :

WC-1

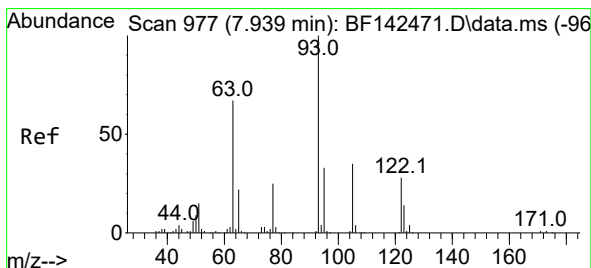
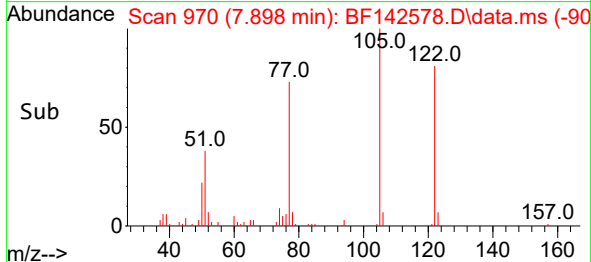
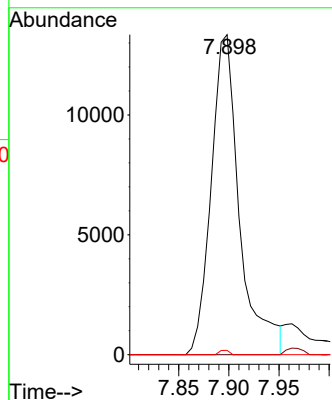
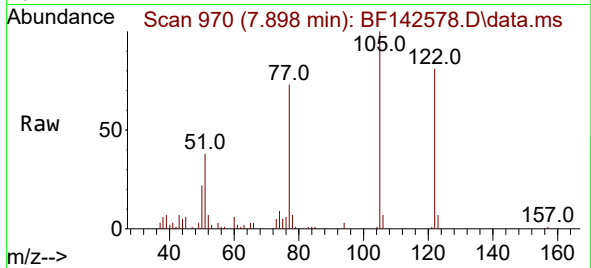
Tgt Ion:122 Resp: 26333

Ion Ratio Lower Upper

122 100

107 0.0 88.1 132.1#

121 1.4 47.3 70.9#



#32

Benzoic acid

Concen: 5.977 ng

RT: 7.898 min Scan# 970

Delta R.T. -0.077 min

Lab File: BF142578.D

Acq: 30 May 2025 19:15

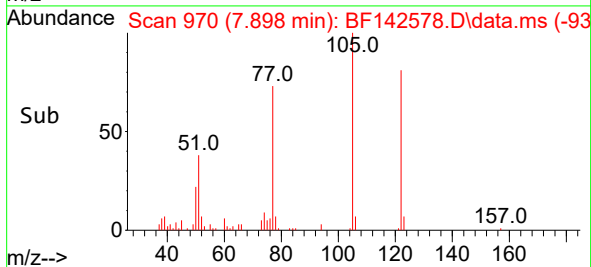
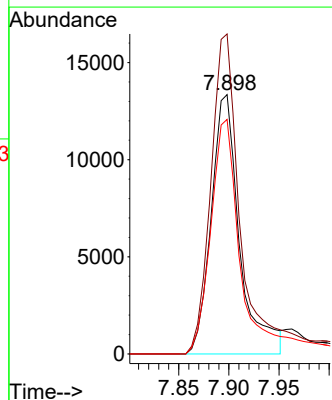
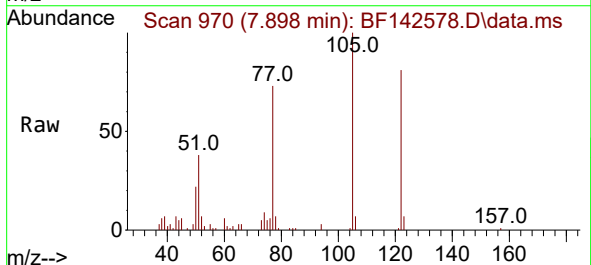
Tgt Ion:122 Resp: 26333

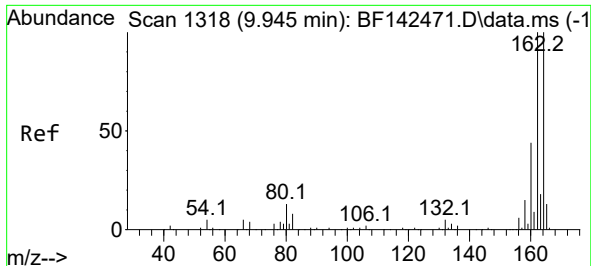
Ion Ratio Lower Upper

122 100

105 123.4 101.7 141.7

77 90.5 69.5 109.5





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.933 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF142578.D

Acq: 30 May 2025 19:15

Instrument :

BNA_F

ClientSampleId :

WC-1

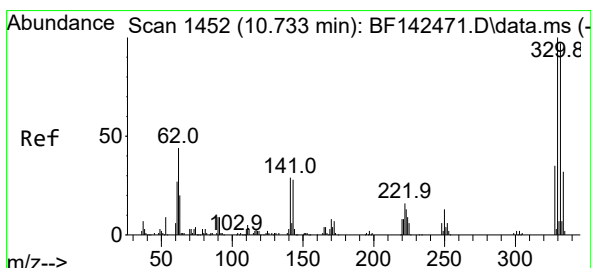
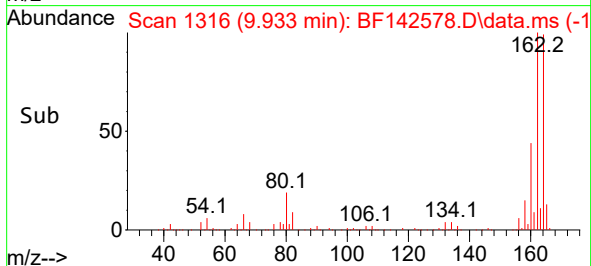
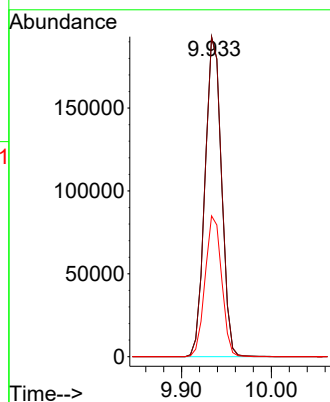
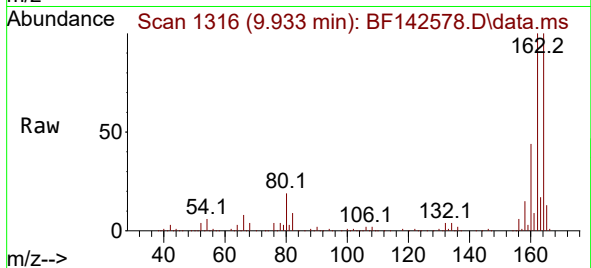
Tgt Ion:164 Resp: 246146

Ion Ratio Lower Upper

164 100

162 100.0 80.2 120.4

160 44.0 35.6 53.4



#42

2,4,6-Tribromophenol

Concen: 122.198 ng

RT: 10.727 min Scan# 1451

Delta R.T. -0.012 min

Lab File: BF142578.D

Acq: 30 May 2025 19:15

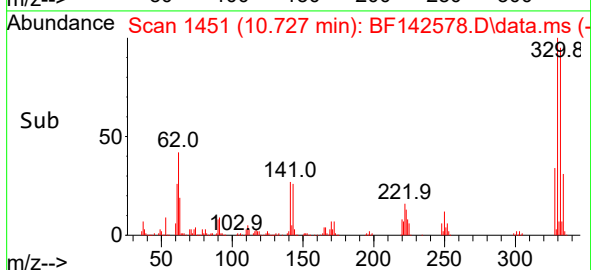
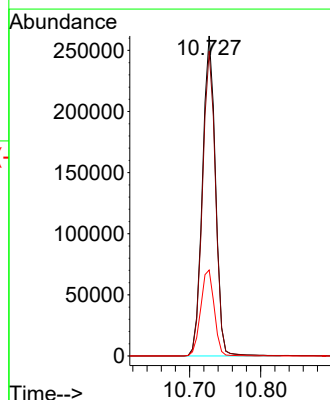
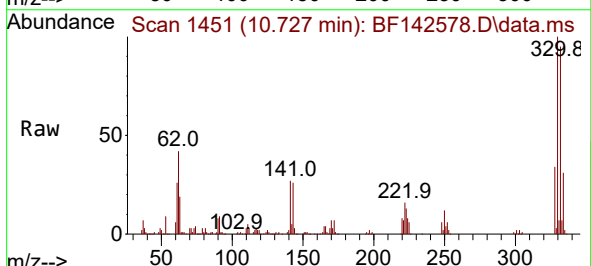
Tgt Ion:330 Resp: 333833

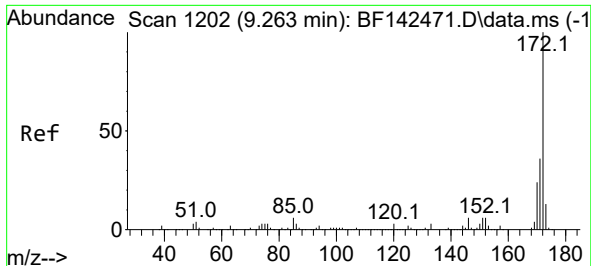
Ion Ratio Lower Upper

330 100

332 95.7 77.6 116.4

141 28.0 24.6 36.8

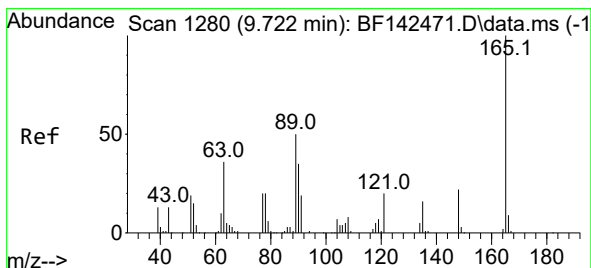
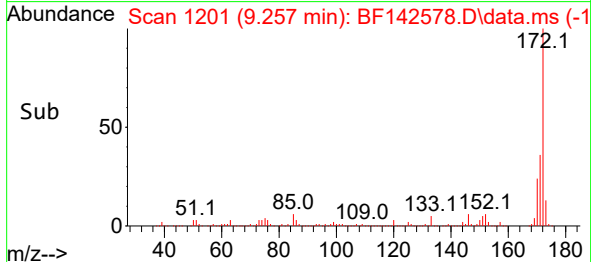
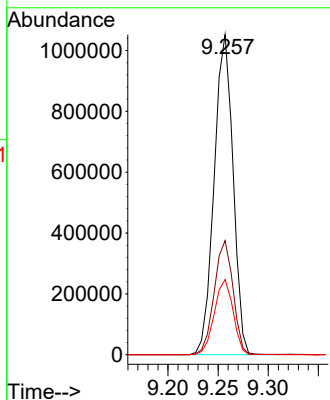
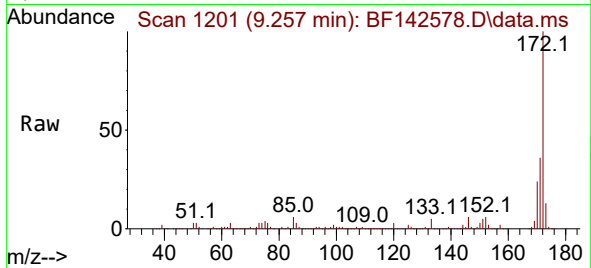




#45
2-Fluorobiphenyl
Concen: 75.159 ng
RT: 9.257 min Scan# 1316
Delta R.T. -0.012 min
Lab File: BF142578.D
Acq: 30 May 2025 19:15

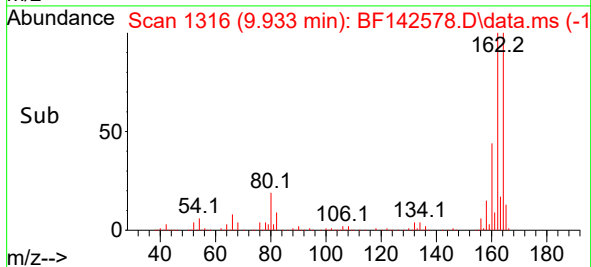
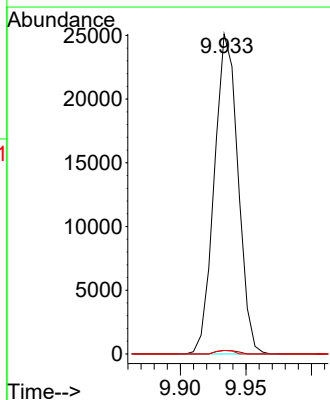
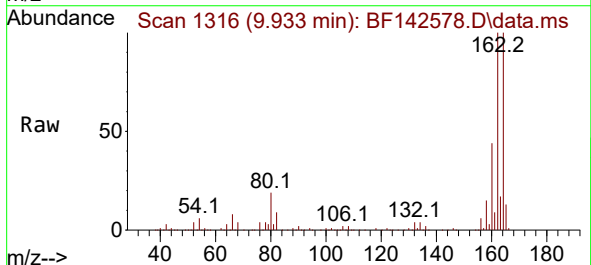
Instrument :
BNA_F
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WC-1

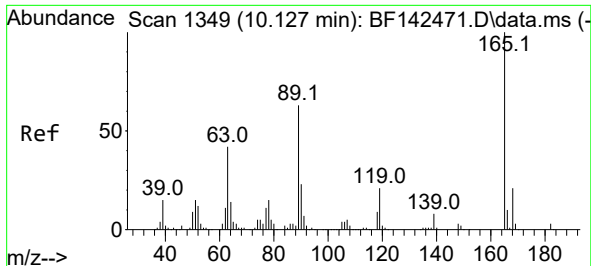
Tgt Ion:172 Resp: 1378694
Ion Ratio Lower Upper
172 100
171 35.6 28.6 42.8
170 23.5 18.9 28.3



#51
2,6-Dinitrotoluene
Concen: 8.994 ng
RT: 9.933 min Scan# 1316
Delta R.T. 0.206 min
Lab File: BF142578.D
Acq: 30 May 2025 19:15

Tgt Ion:165 Resp: 31529
Ion Ratio Lower Upper
165 100
63 1.1 42.9 64.3#
89 1.1 40.2 60.4#

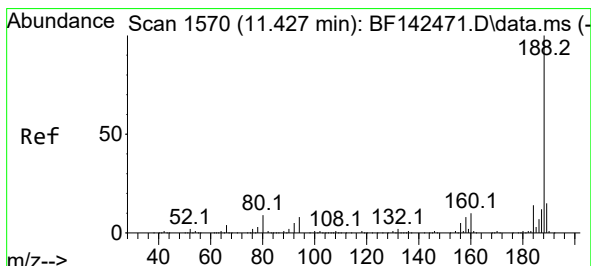
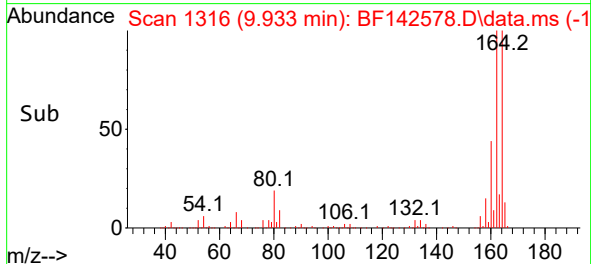
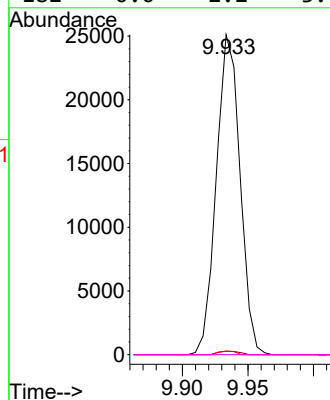
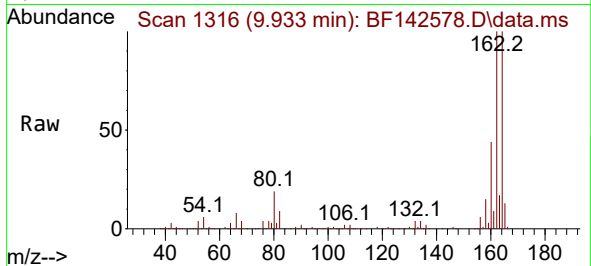




#57
2,4-Dinitrotoluene
Concen: 6.887 ng
RT: 9.933 min Scan# 11
Delta R.T. -0.200 min
Lab File: BF142578.D
Acq: 30 May 2025 19:15

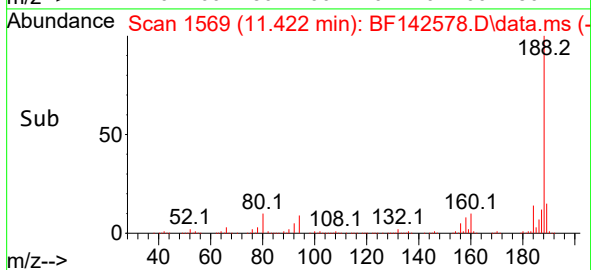
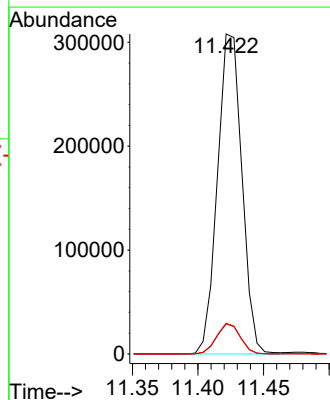
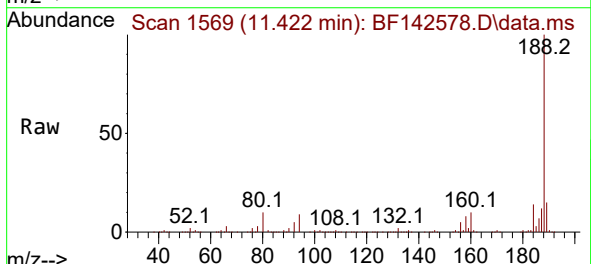
Instrument :
BNA_F
ClientSampleId :
WC-1

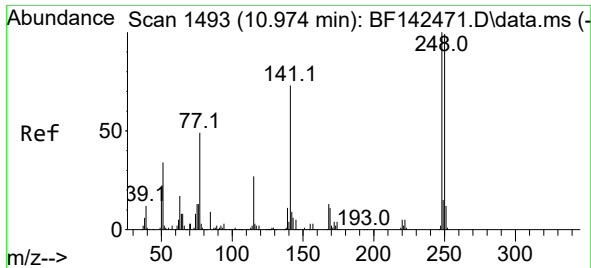
Tgt Ion:165 Resp: 31529
Ion Ratio Lower Upper
165 100
63 1.1 33.6 50.4#
89 1.1 50.2 75.4#
182 0.0 2.2 3.4#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.422 min Scan# 1569
Delta R.T. -0.012 min
Lab File: BF142578.D
Acq: 30 May 2025 19:15

Tgt Ion:188 Resp: 399597
Ion Ratio Lower Upper
188 100
94 9.4 6.6 10.0
80 9.6 7.4 11.0

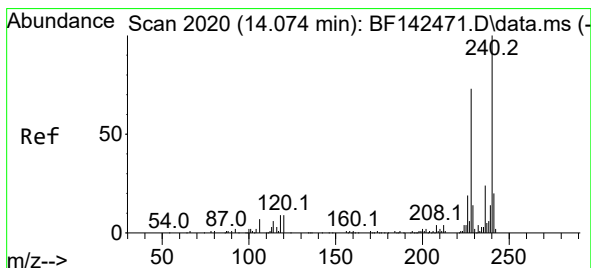
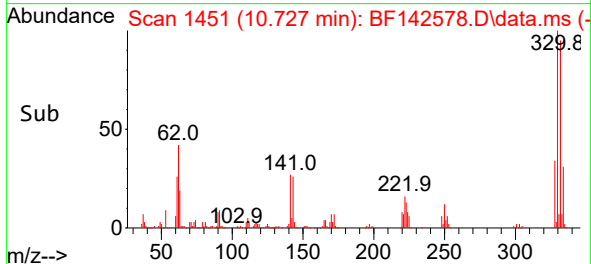
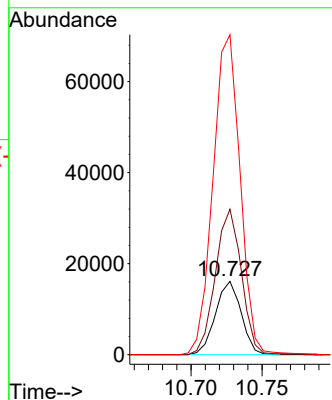
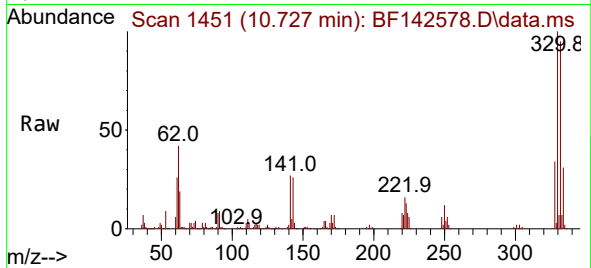




#67
4-Bromophenyl-phenylether
Concen: 4.286 ng
RT: 10.727 min Scan# 14
Delta R.T. -0.247 min
Lab File: BF142578.D
Acq: 30 May 2025 19:15

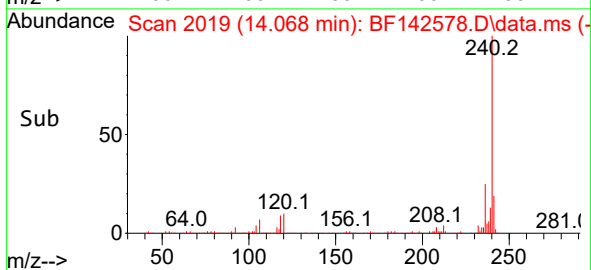
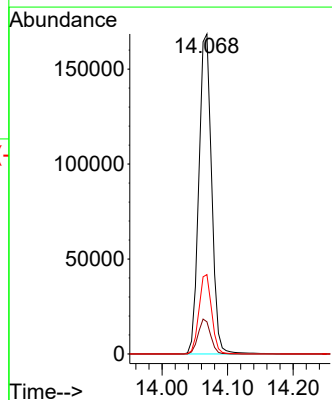
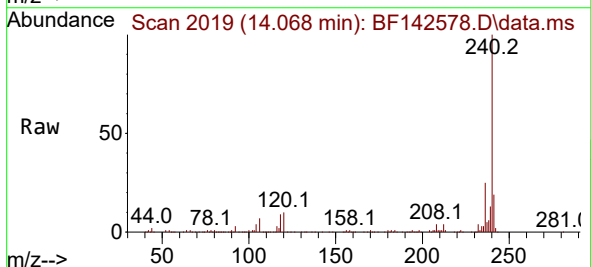
Instrument :
BNA_F
ClientSampleId :
WC-1

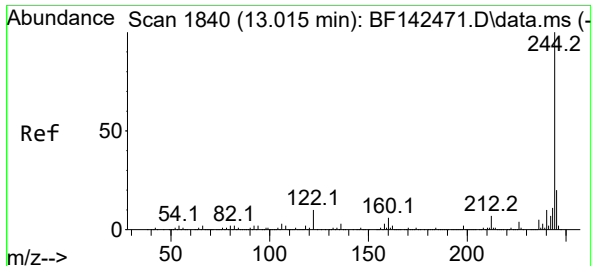
Tgt Ion:248 Resp: 20249
Ion Ratio Lower Upper
248 100
250 198.3 79.0 118.4#
141 436.5 58.4 87.6#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.068 min Scan# 2019
Delta R.T. -0.006 min
Lab File: BF142578.D
Acq: 30 May 2025 19:15

Tgt Ion:240 Resp: 228064
Ion Ratio Lower Upper
240 100
120 10.0 7.5 11.3
236 24.8 19.6 29.4

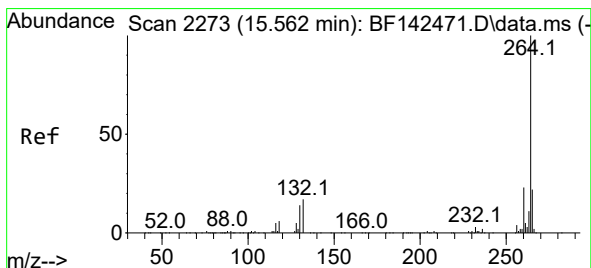
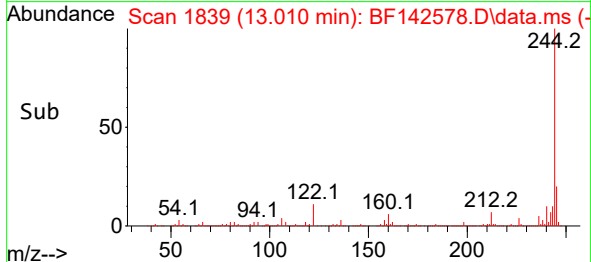
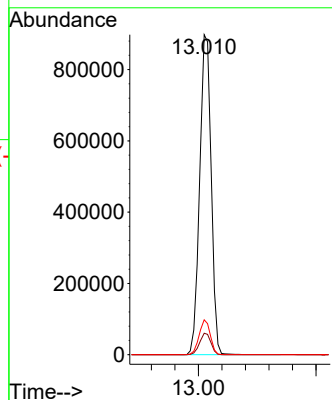
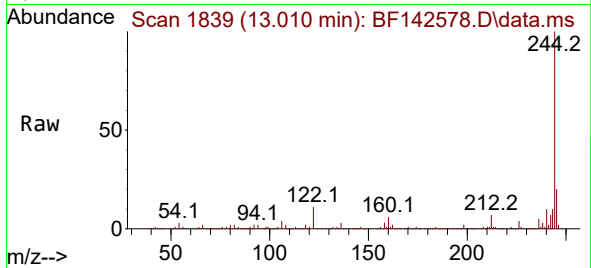




#79
 Terphenyl-d14
 Concen: 73.029 ng
 RT: 13.010 min Scan# 1839
 Delta R.T. -0.006 min
 Lab File: BF142578.D
 Acq: 30 May 2025 19:15

Instrument :
 BNA_F
 ClientSampleId :
 WC-1

Tgt Ion:244 Resp: 1218781
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.3 7.9
 122 10.9 8.2 12.2



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.562 min Scan# 2273
 Delta R.T. -0.006 min
 Lab File: BF142578.D
 Acq: 30 May 2025 19:15

Tgt Ion:264 Resp: 223103
 Ion Ratio Lower Upper
 264 100
 260 23.8 18.6 28.0
 265 21.5 17.7 26.5

