

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060625\
 Data File : BF142650.D
 Acq On : 06 Jun 2025 17:01
 Operator : RC/JU
 Sample : Q2176-07
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-31

Quant Time: Jun 06 19:00:25 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)

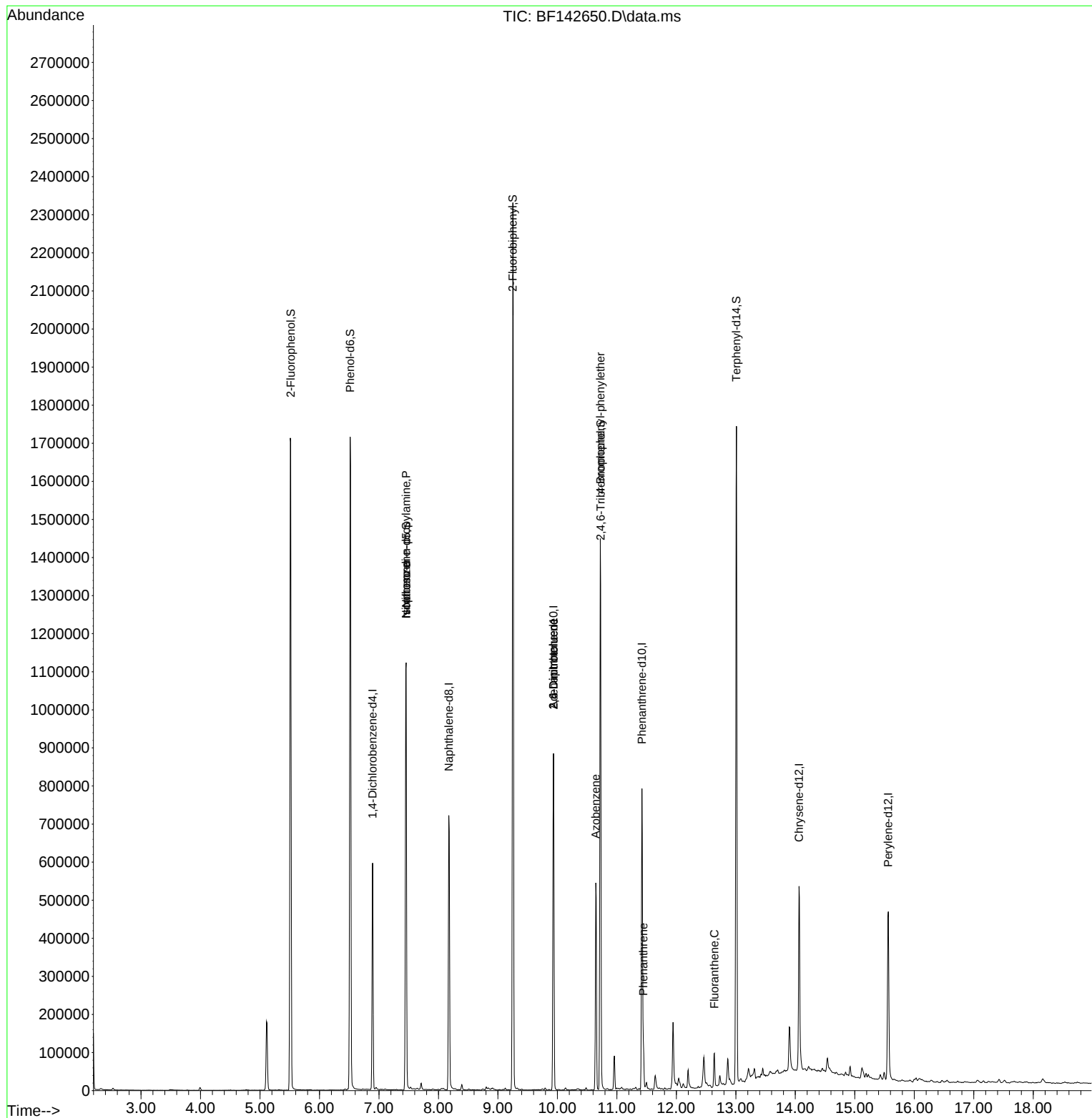
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.892	152	128783	20.000	ng	-0.01
21) Naphthalene-d8	8.175	136	488985	20.000	ng	-0.01
39) Acenaphthene-d10	9.933	164	263890	20.000	ng	-0.01
64) Phenanthrene-d10	11.422	188	414083	20.000	ng	-0.01
76) Chrysene-d12	14.063	240	237224	20.000	ng	#-0.01
86) Perylene-d12	15.563	264	279177	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	695562	90.994	ng	0.00
7) Phenol-d6	6.516	99	857099	93.147	ng	-0.02
23) Nitrobenzene-d5	7.457	82	509358	56.801	ng	-0.02
42) 2,4,6-Tribromophenol	10.728	330	268450	91.657	ng	-0.01
45) 2-Fluorobiphenyl	9.251	172	1053450	53.567	ng	-0.02
79) Terphenyl-d14	13.010	244	853397	49.160	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.457	70	68109	11.943	ng	# 77
25) Isophorone	7.457	82	491302	32.769	ng	# 63
51) 2,6-Dinitrotoluene	9.933	165	33819	8.999	ng	# 28
57) 2,4-Dinitrotoluene	9.933	165	33819	6.891	ng	# 28
63) Azobenzene	10.645	77	128679	8.425	ng	# 1
67) 4-Bromophenyl-phenylether	10.722	248	16505	3.371	ng	# 1
71) Phenanthrene	11.445	178	57425	2.595	ng	100
75) Fluoranthene	12.639	202	52531	2.540	ng	96

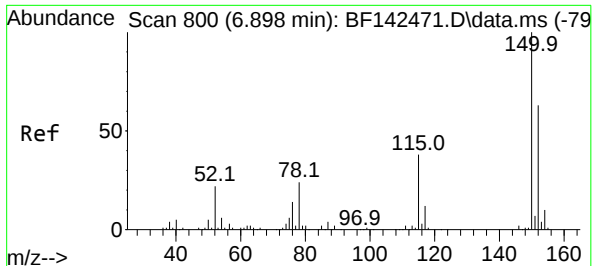
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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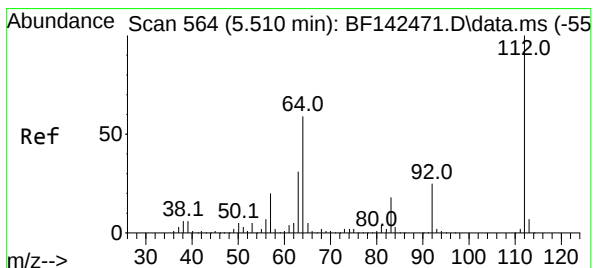
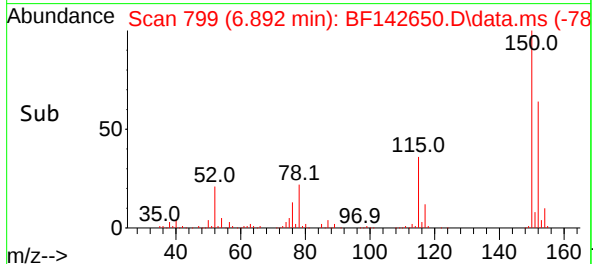
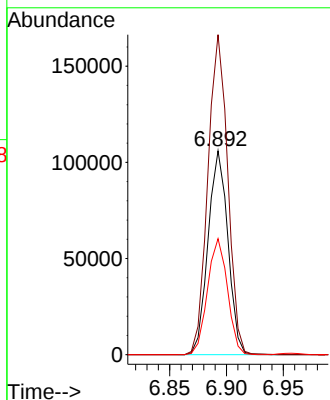
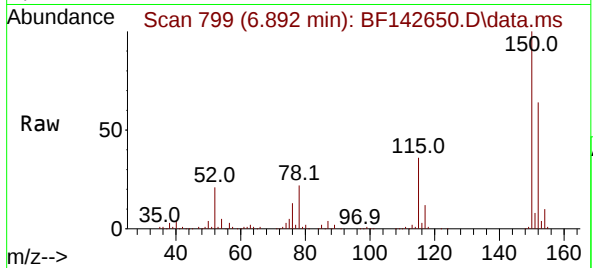




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.892 min Scan# 79
Delta R.T. -0.012 min
Lab File: BF142650.D
Acq: 06 Jun 2025 17:01

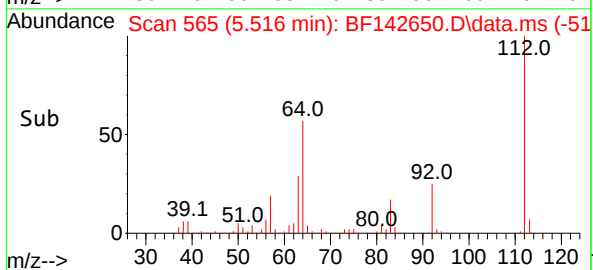
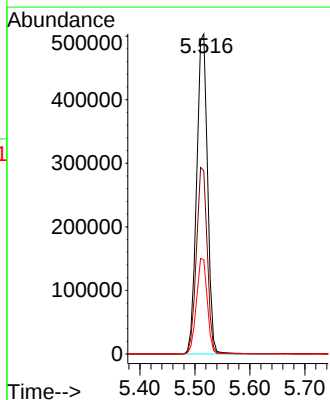
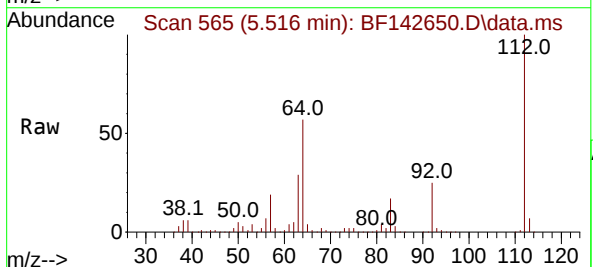
Instrument :
BNA_F
ClientSampleId :
TP-31

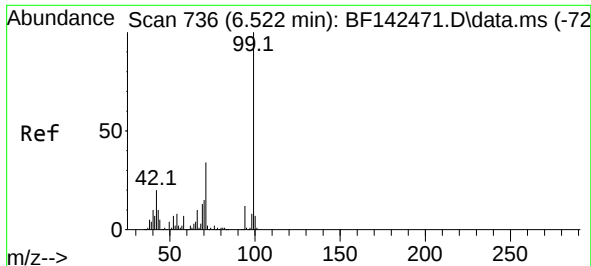
Tgt Ion:152 Resp: 128783
Ion Ratio Lower Upper
152 100
150 156.9 128.2 192.4
115 56.9 48.3 72.5



#5
2-Fluorophenol
Concen: 90.994 ng
RT: 5.516 min Scan# 565
Delta R.T. 0.000 min
Lab File: BF142650.D
Acq: 06 Jun 2025 17:01

Tgt Ion:112 Resp: 695562
Ion Ratio Lower Upper
112 100
64 57.3 47.5 71.3
63 29.4 24.9 37.3

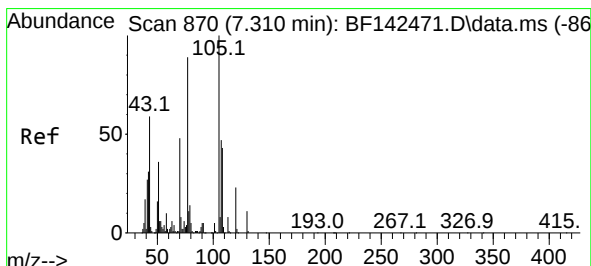
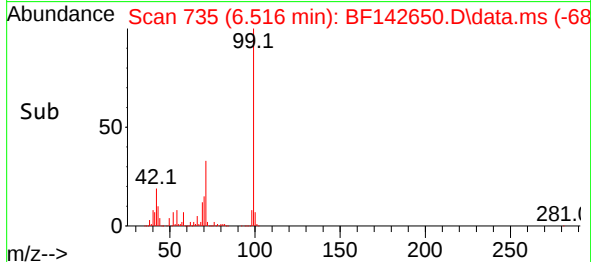
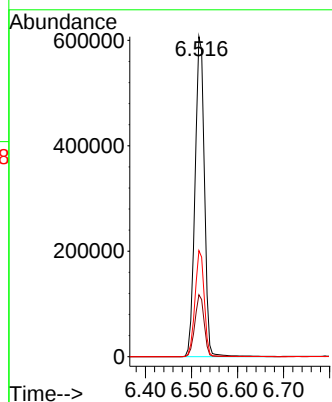
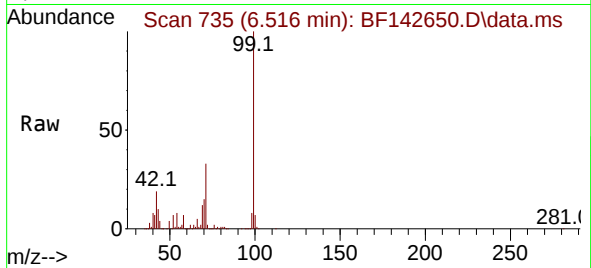




#7
Phenol-d6
Concen: 93.147 ng
RT: 6.516 min Scan# 71
Delta R.T. -0.017 min
Lab File: BF142650.D
Acq: 06 Jun 2025 17:01

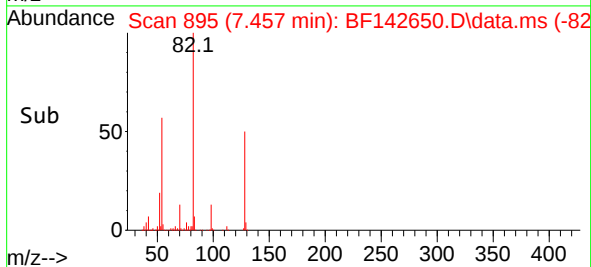
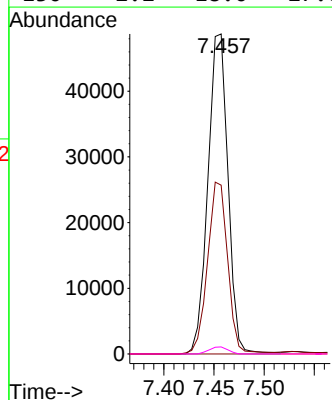
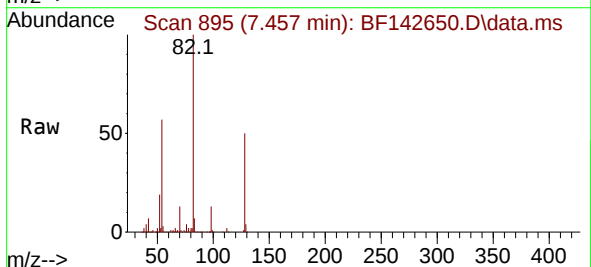
Instrument :
BNA_F
ClientSampleId :
TP-31

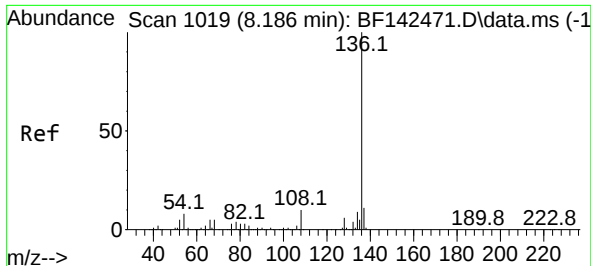
Tgt Ion: 99 Resp: 857099
Ion Ratio Lower Upper
99 100
42 19.4 16.2 24.2
71 33.2 27.3 40.9



#19
n-Nitroso-di-n-propylamine
Concen: 11.943 ng
RT: 7.457 min Scan# 895
Delta R.T. 0.130 min
Lab File: BF142650.D
Acq: 06 Jun 2025 17:01

Tgt Ion: 70 Resp: 68109
Ion Ratio Lower Upper
70 100
42 52.7 52.4 78.6
101 0.0 7.8 11.8#
130 2.2 18.0 27.0#



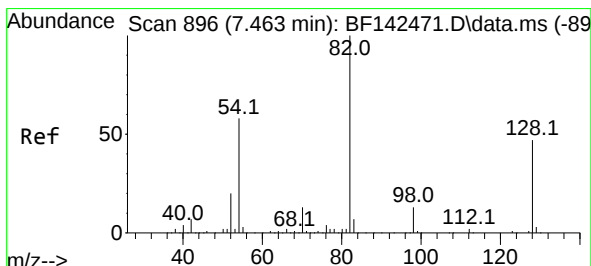
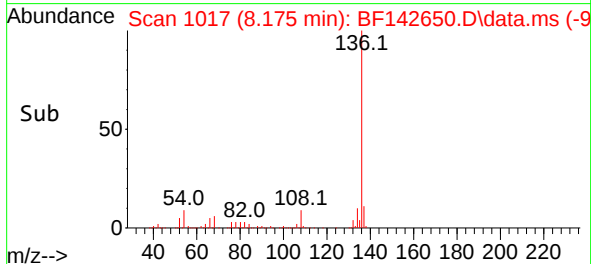
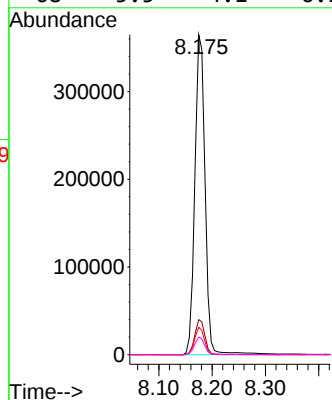
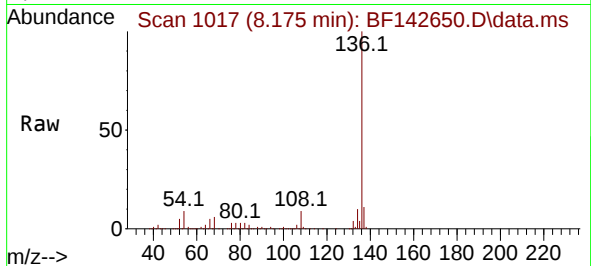


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.175 min Scan# 1019
Delta R.T. -0.012 min
Lab File: BF142650.D
Acq: 06 Jun 2025 17:01

Instrument :
BNA_F
ClientSampleId :
TP-31

Tgt Ion:136 Resp: 488985

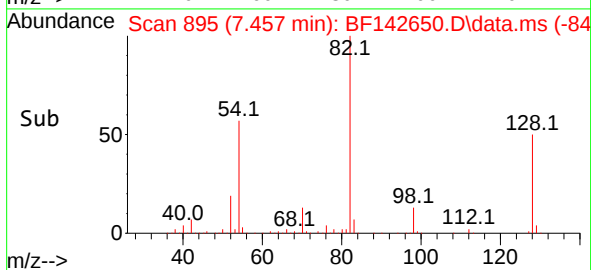
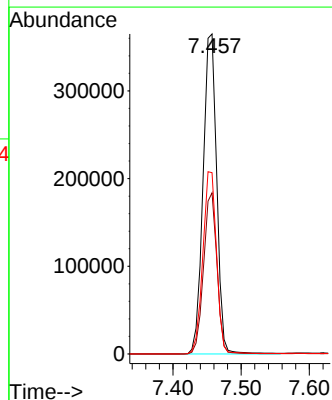
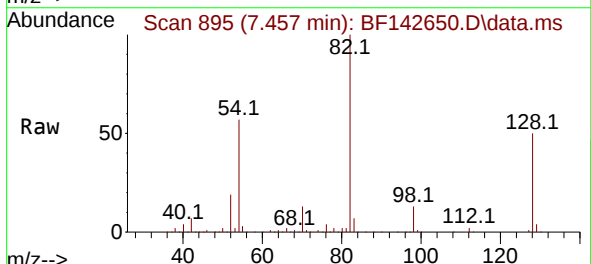
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.6	13.0
54	8.6	6.6	10.0
68	5.5	4.1	6.1

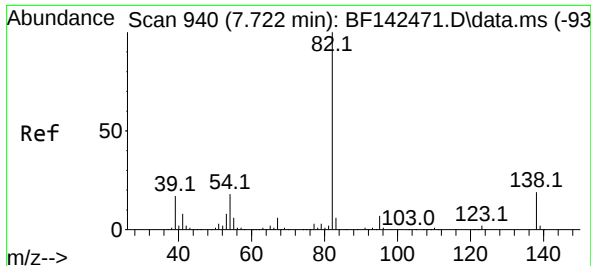


#23
Nitrobenzene-d5
Concen: 56.801 ng
RT: 7.457 min Scan# 895
Delta R.T. -0.017 min
Lab File: BF142650.D
Acq: 06 Jun 2025 17:01

Tgt Ion: 82 Resp: 509358

Ion	Ratio	Lower	Upper
82	100		
128	50.3	37.4	56.2
54	56.6	46.6	70.0

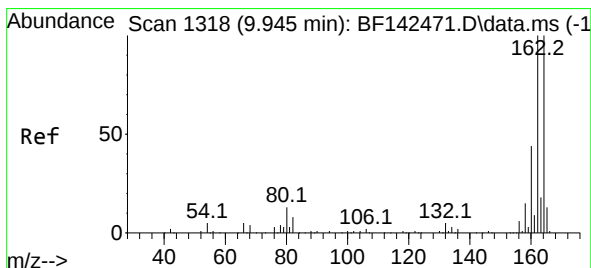
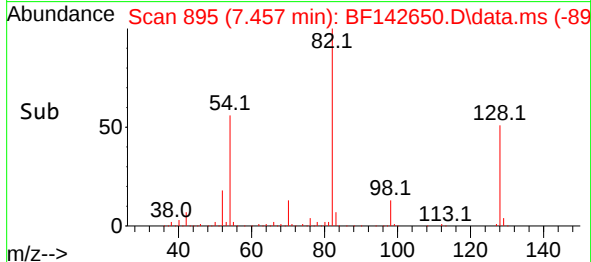
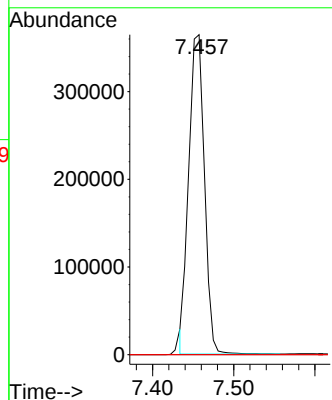
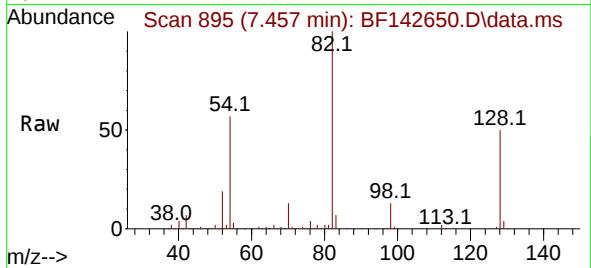




#25
Isophorone
Concen: 32.769 ng
RT: 7.457 min Scan# 89
Delta R.T. -0.276 min
Lab File: BF142650.D
Acq: 06 Jun 2025 17:01

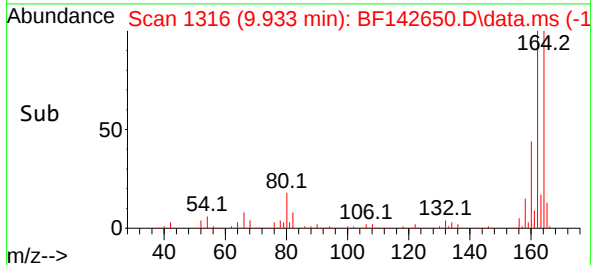
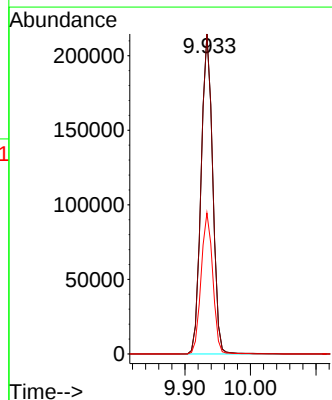
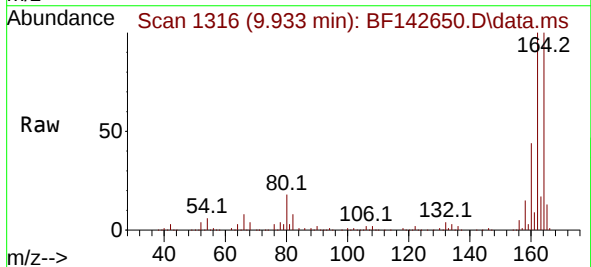
Instrument :
BNA_F
ClientSampleId :
TP-31

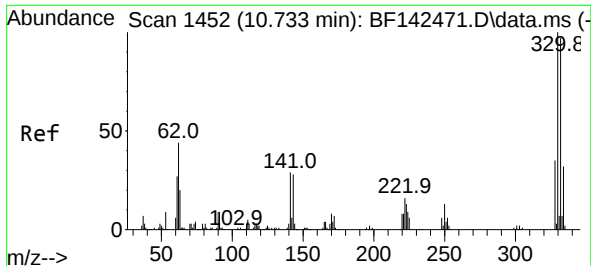
Tgt Ion: 82 Resp: 491302
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 15.5 23.3#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.933 min Scan# 1316
Delta R.T. -0.012 min
Lab File: BF142650.D
Acq: 06 Jun 2025 17:01

Tgt Ion:164 Resp: 263890
Ion Ratio Lower Upper
164 100
162 99.9 80.2 120.4
160 44.1 35.6 53.4





#42

2,4,6-Tribromophenol

Concen: 91.657 ng

RT: 10.728 min Scan# 1451

Delta R.T. -0.012 min

Lab File: BF142650.D

Acq: 06 Jun 2025 17:01

Instrument :

BNA_F

ClientSampleId :

TP-31

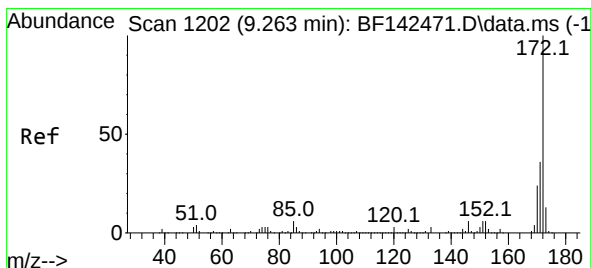
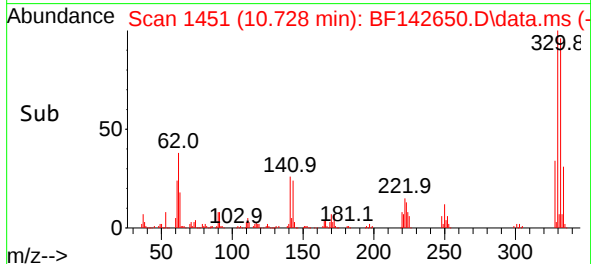
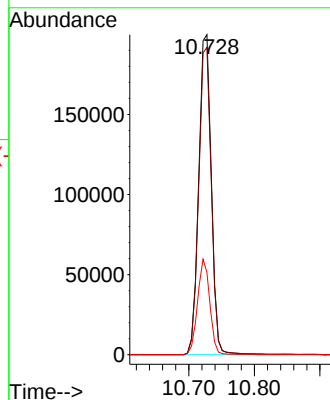
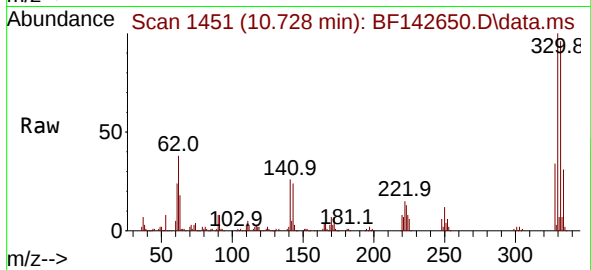
Tgt Ion:330 Resp: 268450

Ion Ratio Lower Upper

330 100

332 95.8 77.6 116.4

141 28.8 24.6 36.8



#45

2-Fluorobiphenyl

Concen: 53.567 ng

RT: 9.251 min Scan# 1200

Delta R.T. -0.017 min

Lab File: BF142650.D

Acq: 06 Jun 2025 17:01

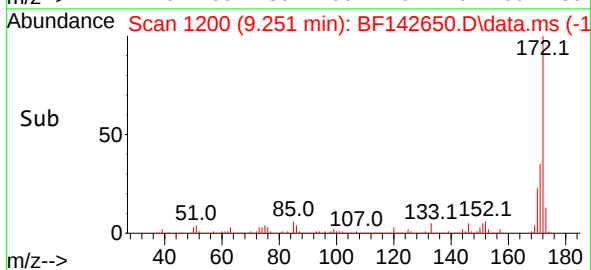
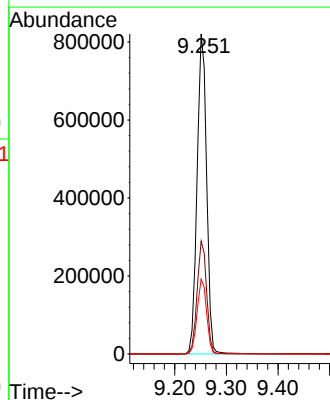
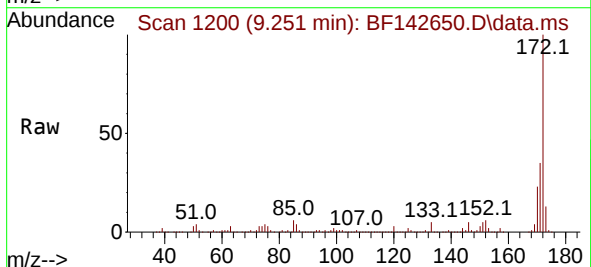
Tgt Ion:172 Resp: 1053450

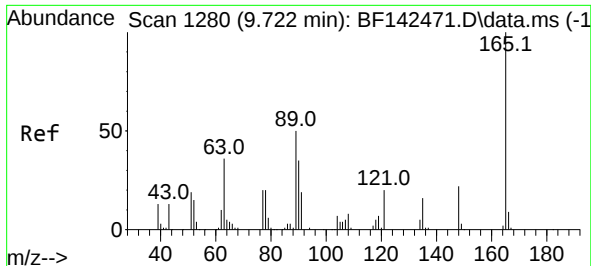
Ion Ratio Lower Upper

172 100

171 35.3 28.6 42.8

170 23.4 18.9 28.3

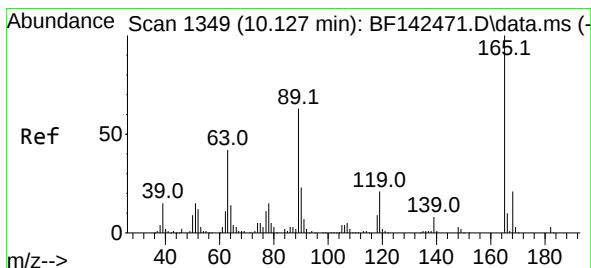
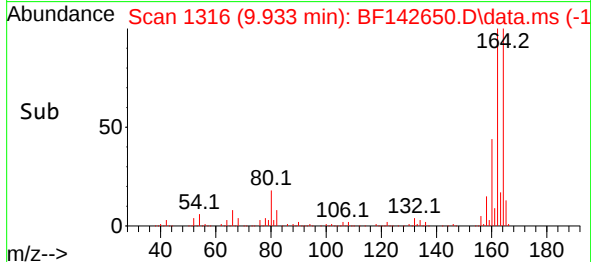
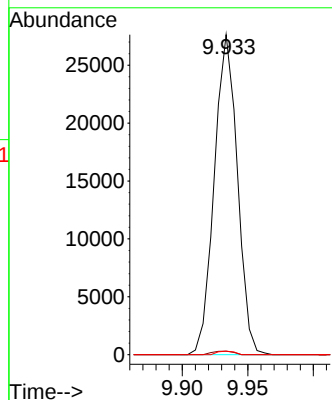
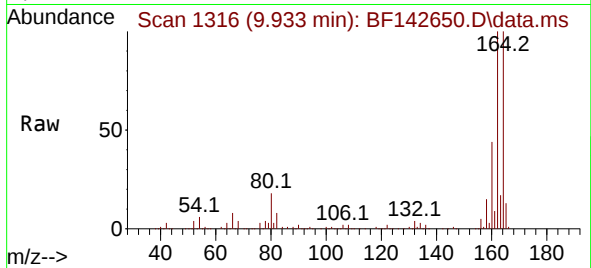




#51
2,6-Dinitrotoluene
Concen: 8.999 ng
RT: 9.933 min Scan# 11
Delta R.T. 0.206 min
Lab File: BF142650.D
Acq: 06 Jun 2025 17:01

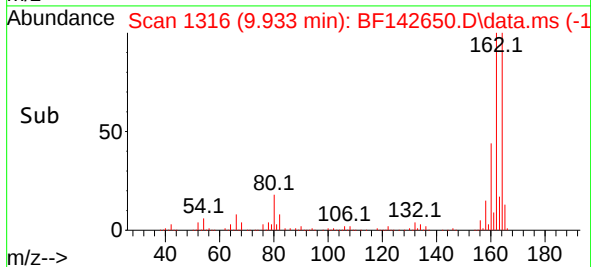
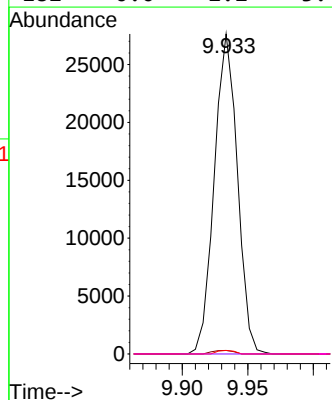
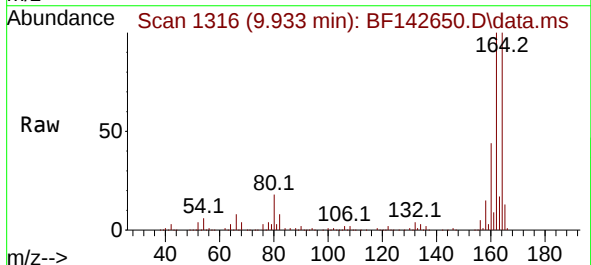
Instrument :
BNA_F
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TP-31

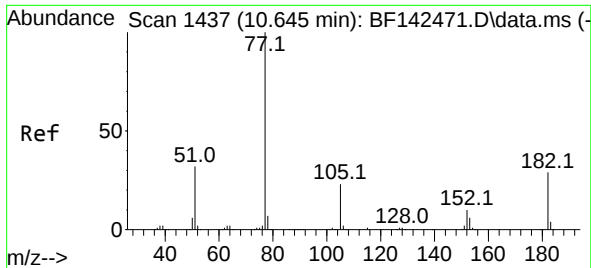
Tgt Ion:165 Resp: 33819
Ion Ratio Lower Upper
165 100
63 1.1 42.9 64.3#
89 1.1 40.2 60.4#



#57
2,4-Dinitrotoluene
Concen: 6.891 ng
RT: 9.933 min Scan# 1316
Delta R.T. -0.200 min
Lab File: BF142650.D
Acq: 06 Jun 2025 17:01

Tgt Ion:165 Resp: 33819
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#

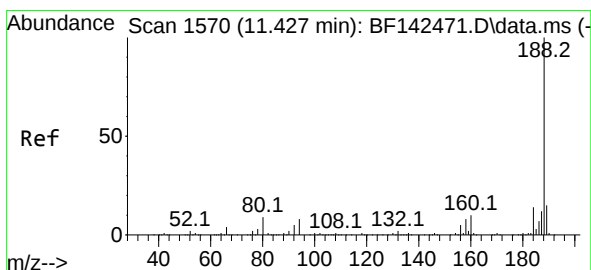
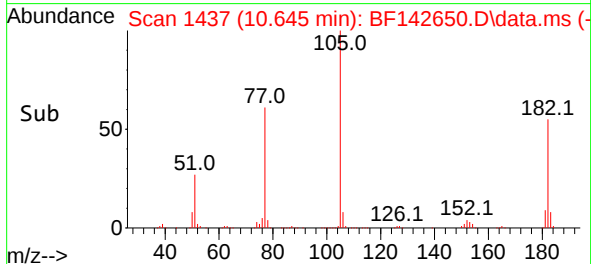
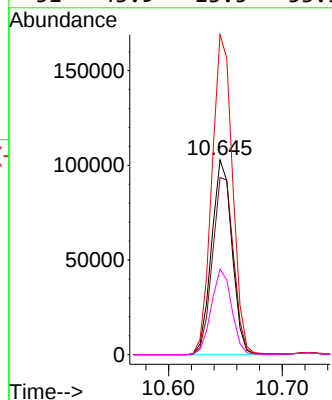
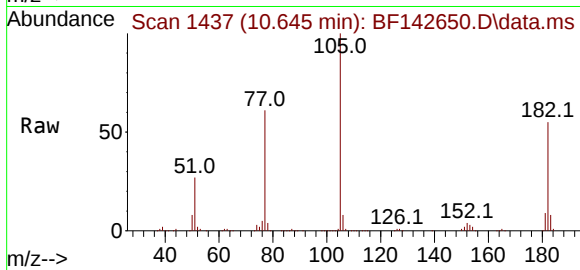




#63
Azobenzene
Concen: 8.425 ng
RT: 10.645 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF142650.D
Acq: 06 Jun 2025 17:01

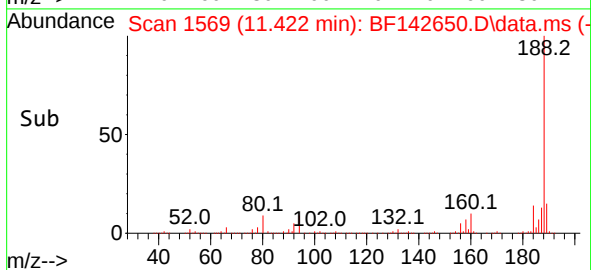
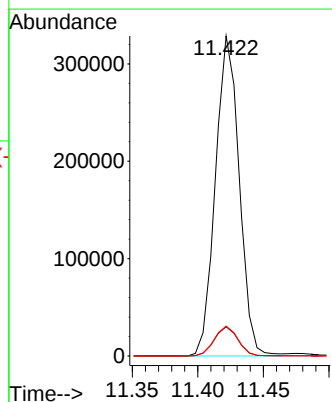
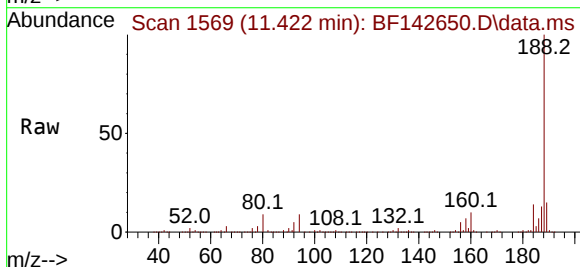
Instrument :
BNA_F
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TP-31

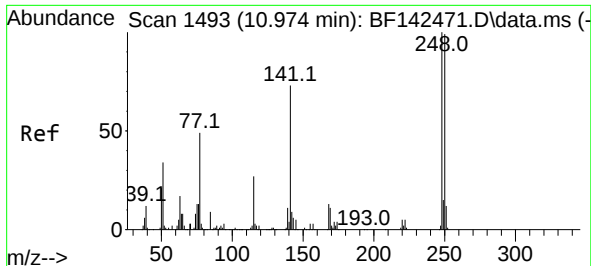
Tgt Ion: 77 Resp: 128679
Ion Ratio Lower Upper
77 100
182 90.9 9.0 49.0#
105 164.3 2.4 42.4#
51 43.9 13.5 53.5



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.422 min Scan# 1569
Delta R.T. -0.012 min
Lab File: BF142650.D
Acq: 06 Jun 2025 17:01

Tgt Ion:188 Resp: 414083
Ion Ratio Lower Upper
188 100
94 9.1 6.6 10.0
80 9.4 7.4 11.0

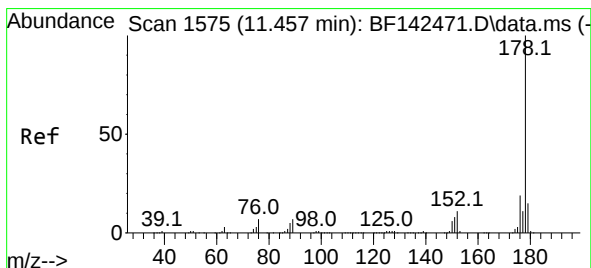
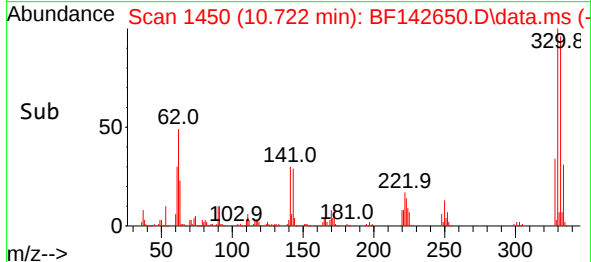
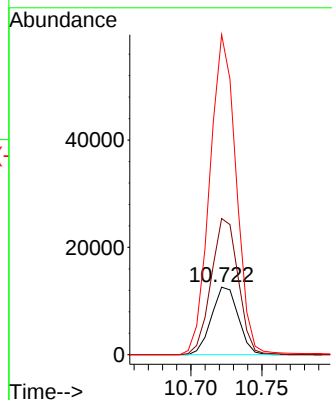
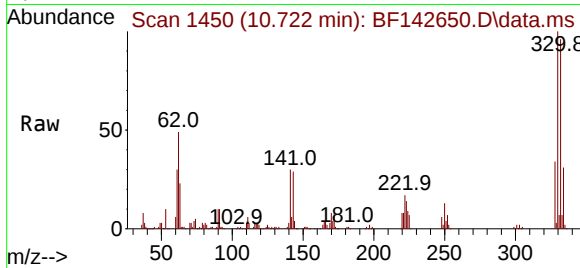




#67
4-Bromophenyl-phenylether
Concen: 3.371 ng
RT: 10.722 min Scan# 1493
Delta R.T. -0.253 min
Lab File: BF142650.D
Acq: 06 Jun 2025 17:01

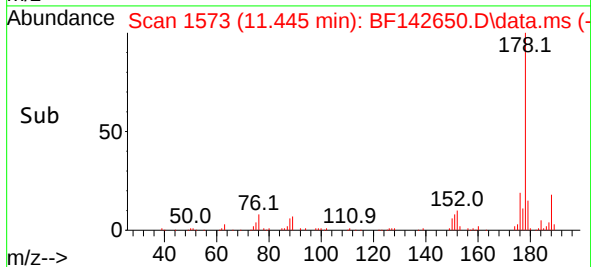
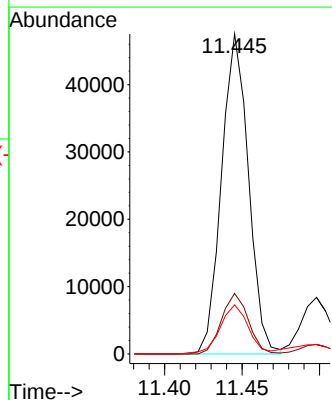
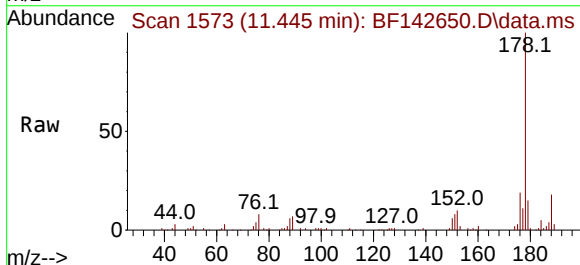
Instrument :
BNA_F
ClientSampleId :
TP-31

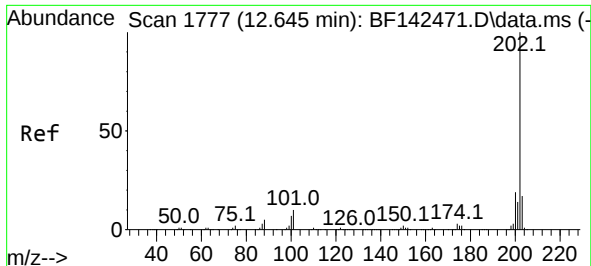
Tgt Ion:248 Resp: 16505
Ion Ratio Lower Upper
248 100
250 201.5 79.0 118.4#
141 473.6 58.4 87.6#



#71
Phenanthrene
Concen: 2.595 ng
RT: 11.445 min Scan# 1573
Delta R.T. -0.012 min
Lab File: BF142650.D
Acq: 06 Jun 2025 17:01

Tgt Ion:178 Resp: 57425
Ion Ratio Lower Upper
178 100
176 18.9 15.4 23.0
179 15.3 12.3 18.5

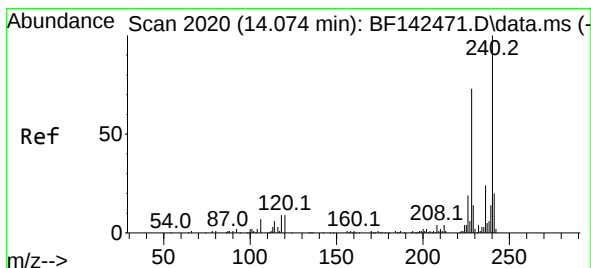
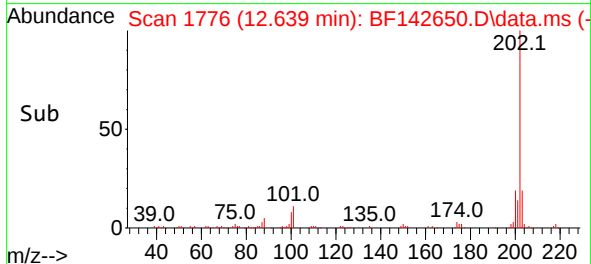
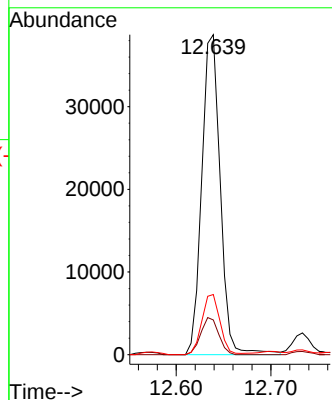
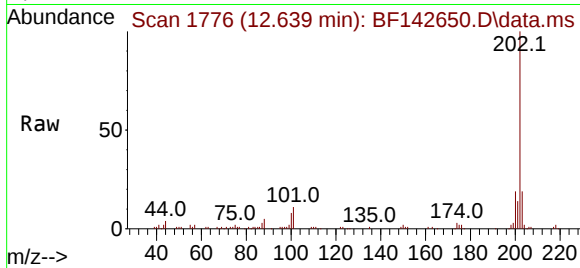




#75
Fluoranthene
Concen: 2.540 ng
RT: 12.639 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142650.D
Acq: 06 Jun 2025 17:01

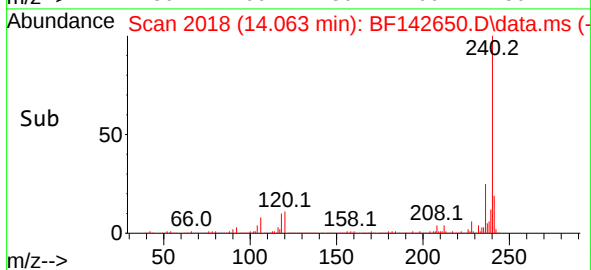
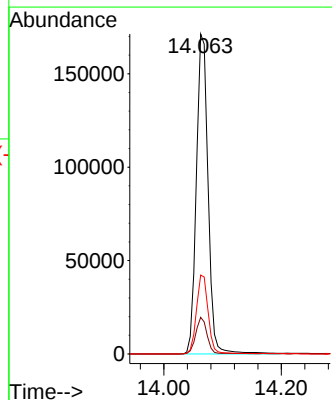
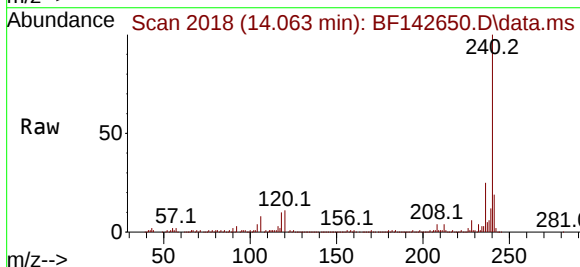
Instrument :
BNA_F
ClientSampleId :
TP-31

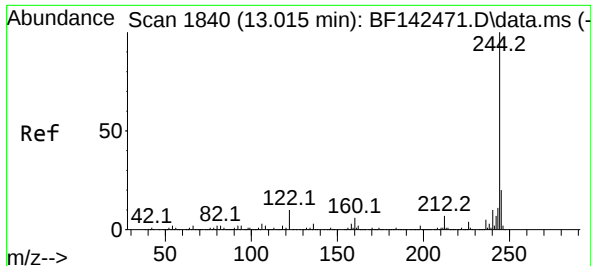
Tgt Ion:202 Resp: 52531
Ion Ratio Lower Upper
202 100
101 10.8 0.0 29.6
203 18.8 0.0 37.2



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.063 min Scan# 2018
Delta R.T. -0.012 min
Lab File: BF142650.D
Acq: 06 Jun 2025 17:01

Tgt Ion:240 Resp: 237224
Ion Ratio Lower Upper
240 100
120 11.5 7.5 11.3#
236 24.6 19.6 29.4

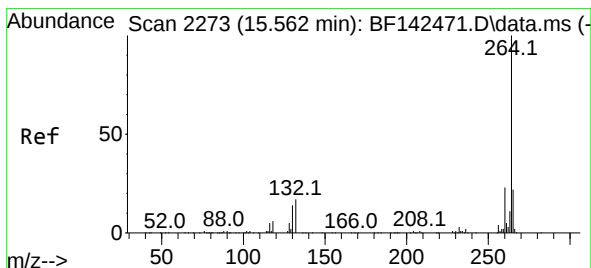
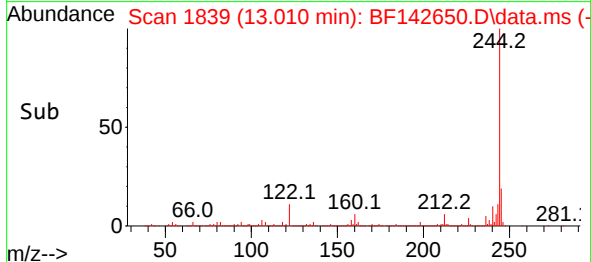
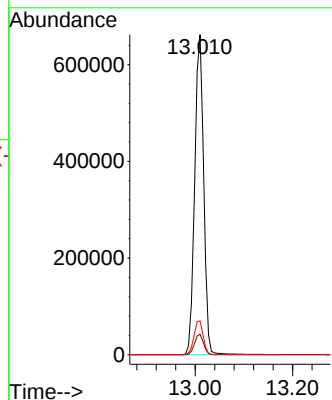
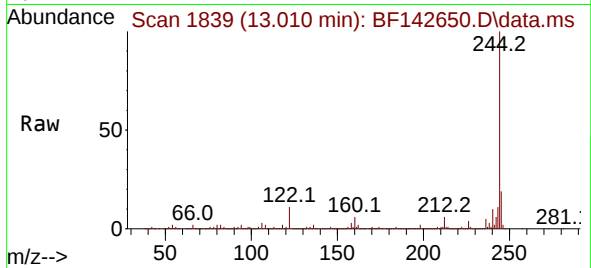




#79
 Terphenyl-d14
 Concen: 49.160 ng
 RT: 13.010 min Scan# 1840
 Delta R.T. -0.006 min
 Lab File: BF142650.D
 Acq: 06 Jun 2025 17:01

Instrument :
 BNA_F
 ClientSampleId :
 TP-31

Tgt Ion:244 Resp: 853397
 Ion Ratio Lower Upper
 244 100
 212 6.4 5.3 7.9
 122 10.5 8.2 12.2



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.563 min Scan# 2273
 Delta R.T. -0.006 min
 Lab File: BF142650.D
 Acq: 06 Jun 2025 17:01

Tgt Ion:264 Resp: 279177
 Ion Ratio Lower Upper
 264 100
 260 23.1 18.6 28.0
 265 20.9 17.7 26.5

