

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060625\
 Data File : BF142673.D
 Acq On : 07 Jun 2025 06:05
 Operator : RC/JU
 Sample : Q2176-02
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-56

Quant Time: Jun 09 01:02:15 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)

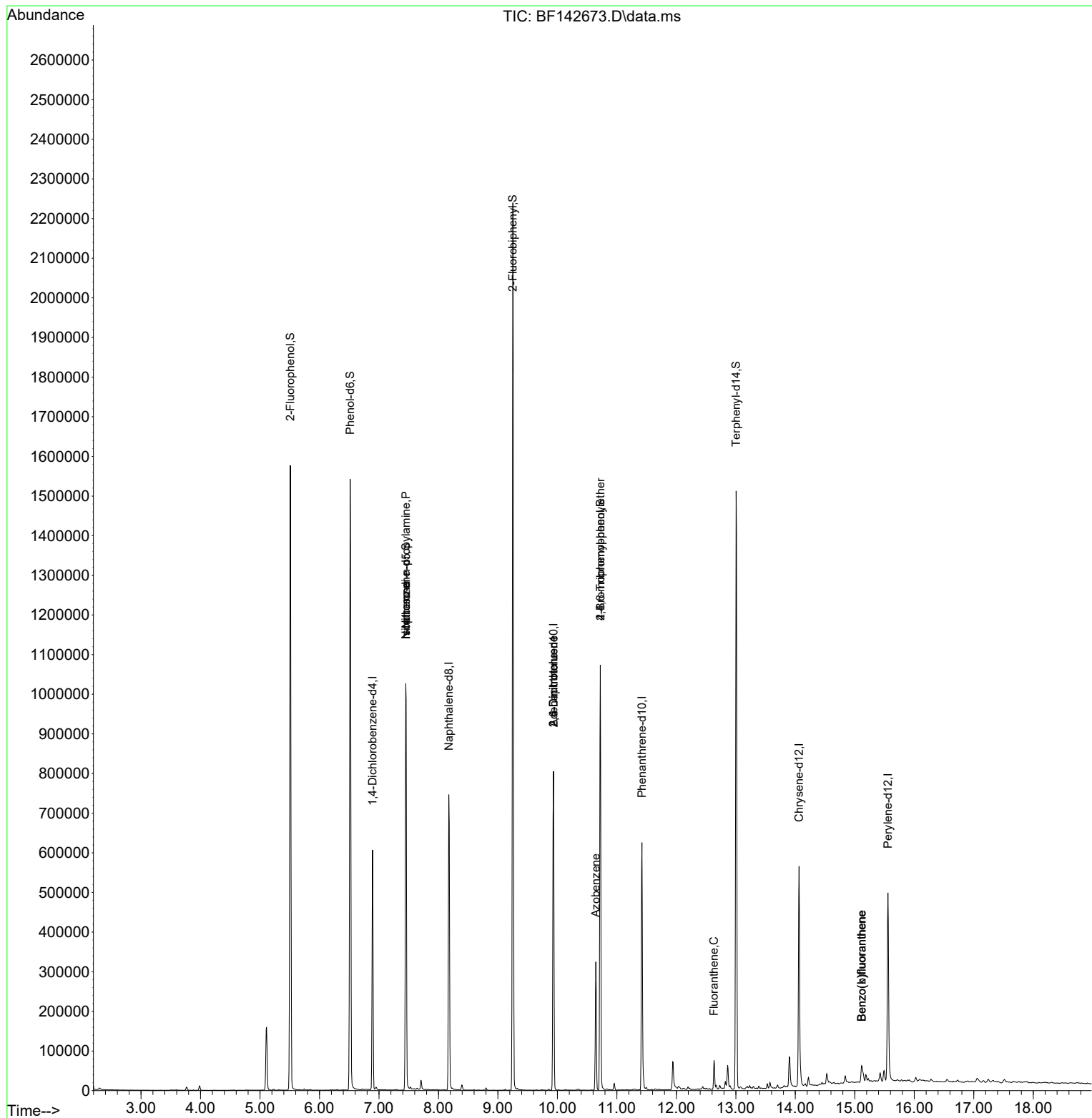
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.893	152	130372	20.000	ng	-0.01
21) Naphthalene-d8	8.175	136	494975	20.000	ng	-0.01
39) Acenaphthene-d10	9.934	164	243335	20.000	ng	-0.01
64) Phenanthrene-d10	11.422	188	340521	20.000	ng	-0.01
76) Chrysene-d12	14.063	240	266132	20.000	ng	-0.01
86) Perylene-d12	15.557	264	283233	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	613857	79.327	ng	0.00
7) Phenol-d6	6.516	99	753909	80.934	ng	-0.02
23) Nitrobenzene-d5	7.451	82	456273	50.265	ng	-0.02
42) 2,4,6-Tribromophenol	10.722	330	191119	70.766	ng	-0.02
45) 2-Fluorobiphenyl	9.251	172	1001356	55.219	ng	-0.02
79) Terphenyl-d14	13.004	244	759270	38.987	ng	-0.01
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.451	70	60289	10.443	ng	# 77
25) Isophorone	7.451	82	439417	28.953	ng	# 63
51) 2,6-Dinitrotoluene	9.934	165	30668	8.850	ng	# 27
57) 2,4-Dinitrotoluene	9.934	165	30668	6.776	ng	# 28
63) Azobenzene	10.645	77	74495	5.289	ng	# 1
67) 4-Bromophenyl-phenylether	10.722	248	11565	2.872	ng	# 1
75) Fluoranthene	12.633	202	43841	2.578	ng	99
88) Benzo(b)fluoranthene	15.116	252	36946	2.204	ng	# 92
89) Benzo(k)fluoranthene	15.116	252	36946	2.353	ng	# 92

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

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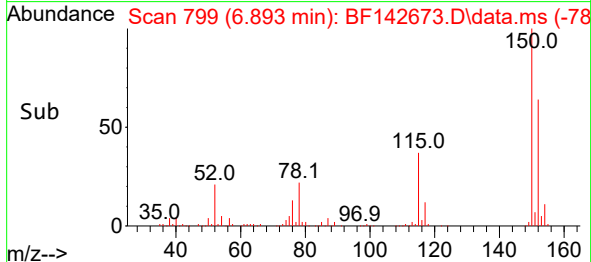
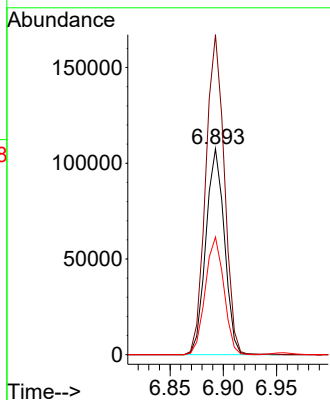
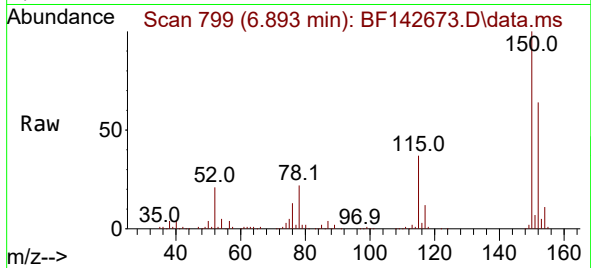




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.893 min Scan# 799
Delta R.T. -0.011 min
Lab File: BF142673.D
Acq: 07 Jun 2025 06:05

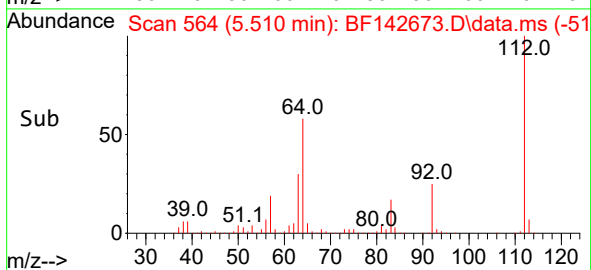
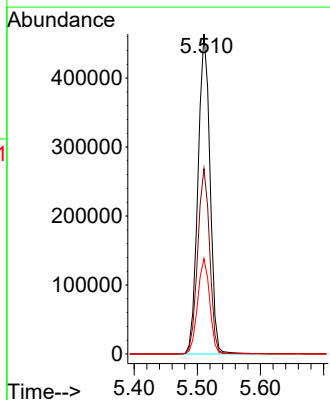
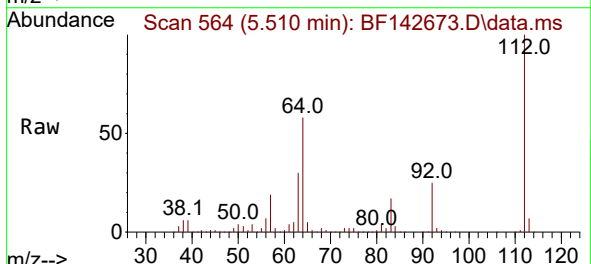
Instrument :
BNA_F
ClientSampleId :
TP-56

Tgt Ion:152 Resp: 130372
Ion Ratio Lower Upper
152 100
150 155.4 128.2 192.4
115 57.1 48.3 72.5



#5
2-Fluorophenol
Concen: 79.327 ng
RT: 5.510 min Scan# 564
Delta R.T. -0.006 min
Lab File: BF142673.D
Acq: 07 Jun 2025 06:05

Tgt Ion:112 Resp: 613857
Ion Ratio Lower Upper
112 100
64 57.9 47.5 71.3
63 29.8 24.9 37.3

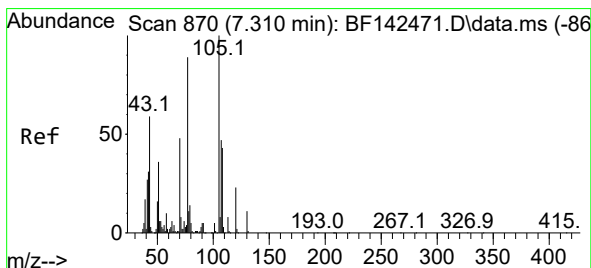
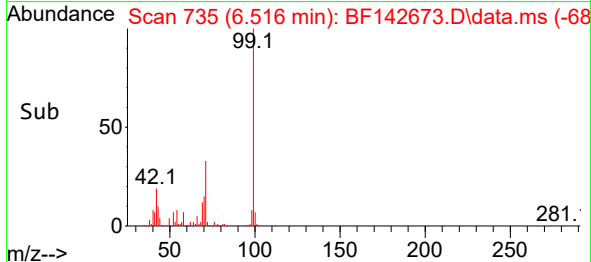
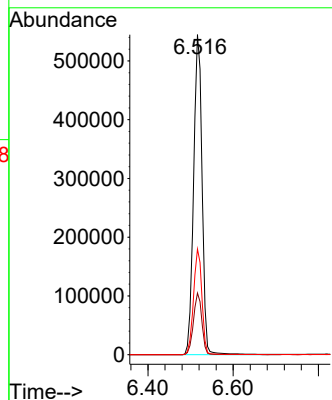
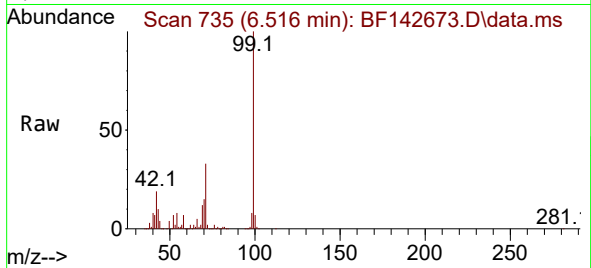




#7
Phenol-d6
Concen: 80.934 ng
RT: 6.516 min Scan# 71
Delta R.T. -0.017 min
Lab File: BF142673.D
Acq: 07 Jun 2025 06:05

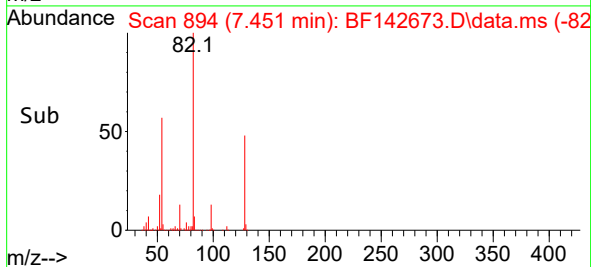
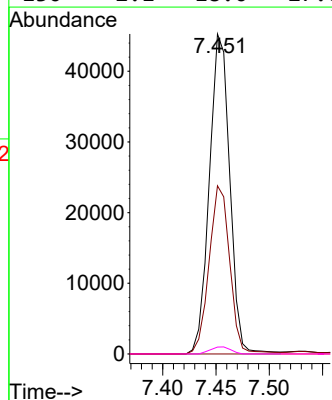
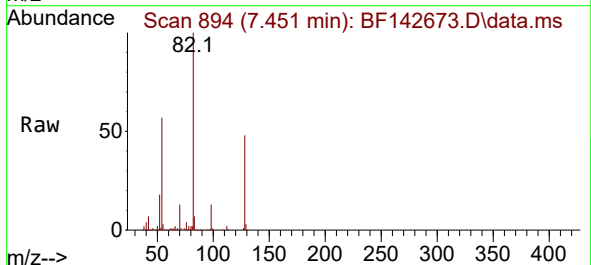
Instrument :
BNA_F
ClientSampleId :
TP-56

Tgt Ion: 99 Resp: 753909
Ion Ratio Lower Upper
99 100
42 19.3 16.2 24.2
71 33.0 27.3 40.9



#19
n-Nitroso-di-n-propylamine
Concen: 10.443 ng
RT: 7.451 min Scan# 894
Delta R.T. 0.124 min
Lab File: BF142673.D
Acq: 07 Jun 2025 06:05

Tgt Ion: 70 Resp: 60289
Ion Ratio Lower Upper
70 100
42 52.6 52.4 78.6
101 0.0 7.8 11.8#
130 2.1 18.0 27.0#

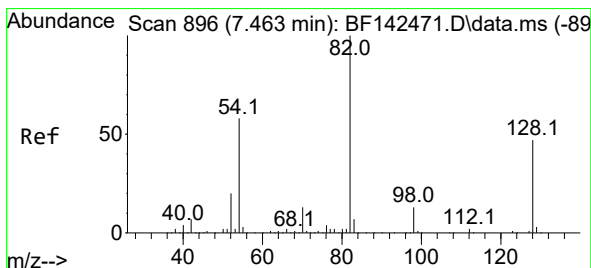
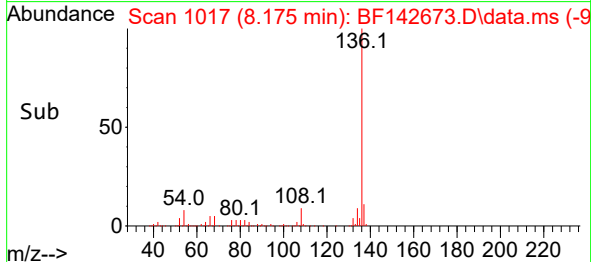
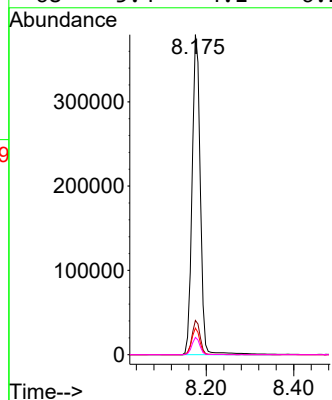
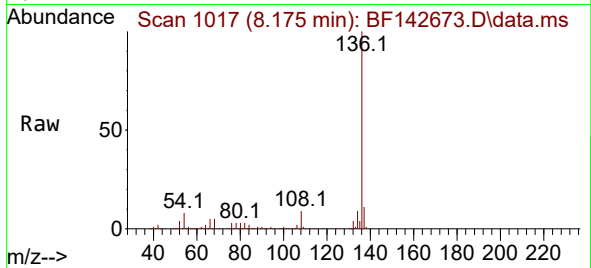




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.175 min Scan# 1017
Delta R.T. -0.011 min
Lab File: BF142673.D
Acq: 07 Jun 2025 06:05

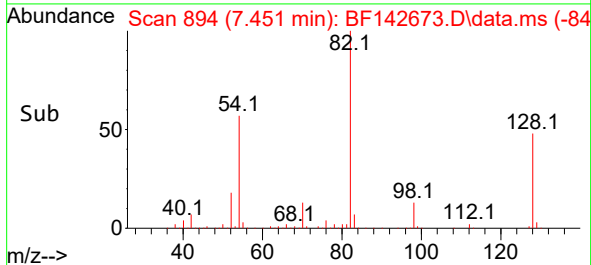
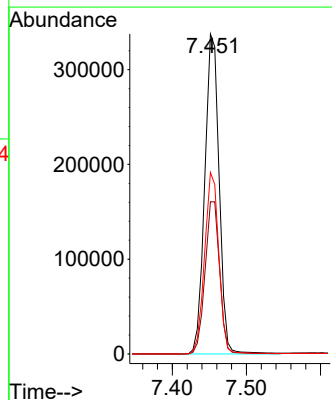
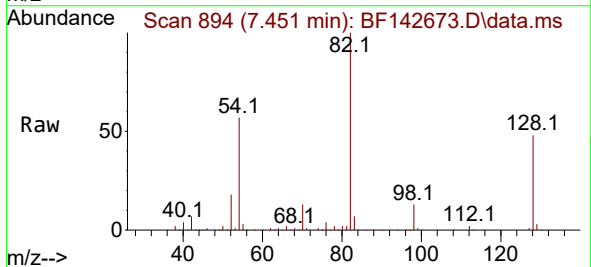
Instrument :
BNA_F
ClientSampleId :
TP-56

Tgt Ion:136 Resp: 494975
Ion Ratio Lower Upper
136 100
137 10.7 8.6 13.0
54 8.3 6.6 10.0
68 5.4 4.1 6.1



#23
Nitrobenzene-d5
Concen: 50.265 ng
RT: 7.451 min Scan# 894
Delta R.T. -0.023 min
Lab File: BF142673.D
Acq: 07 Jun 2025 06:05

Tgt Ion: 82 Resp: 456273
Ion Ratio Lower Upper
82 100
128 47.6 37.4 56.2
54 56.7 46.6 70.0

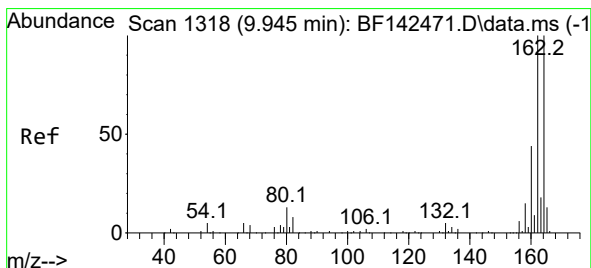
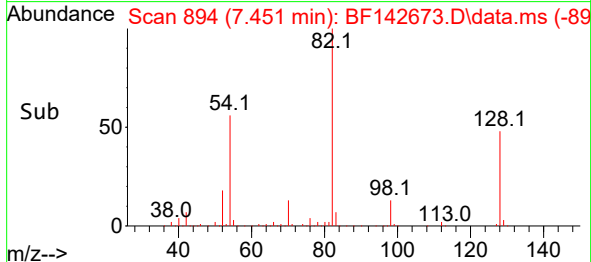
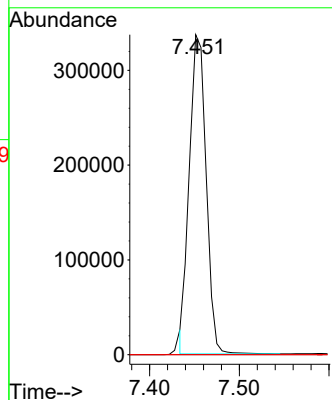
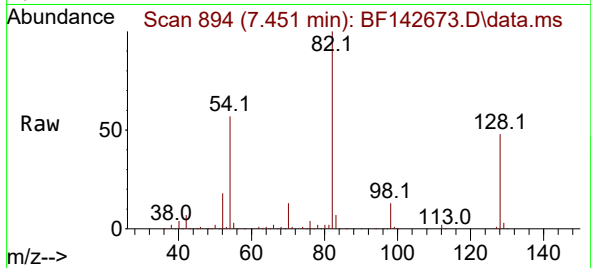




#25
Isophorone
Concen: 28.953 ng
RT: 7.451 min Scan# 89
Delta R.T. -0.282 min
Lab File: BF142673.D
Acq: 07 Jun 2025 06:05

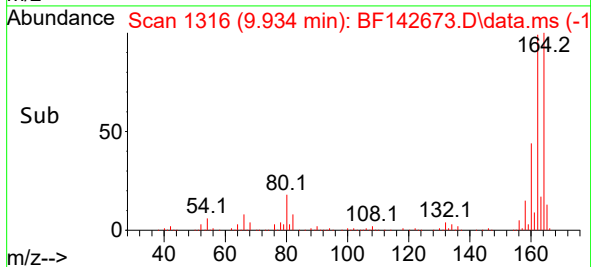
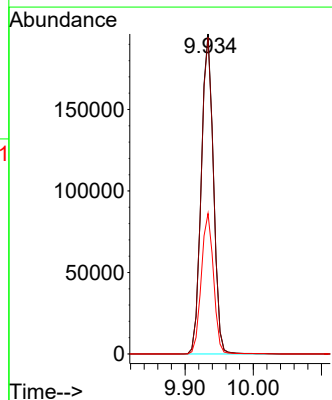
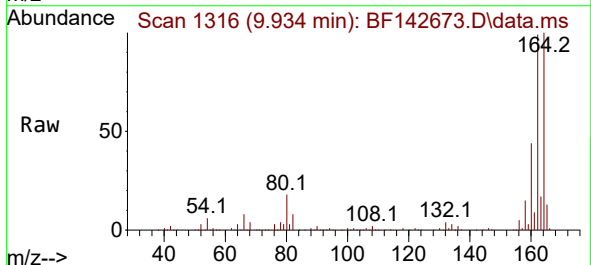
Instrument :
BNA_F
ClientSampleId :
TP-56

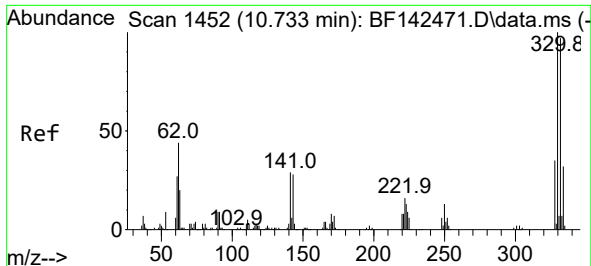
Tgt Ion: 82 Resp: 439417
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 15.5 23.3#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.934 min Scan# 1316
Delta R.T. -0.011 min
Lab File: BF142673.D
Acq: 07 Jun 2025 06:05

Tgt Ion: 164 Resp: 243335
Ion Ratio Lower Upper
164 100
162 99.0 80.2 120.4
160 43.9 35.6 53.4





#42

2,4,6-Tribromophenol

Concen: 70.766 ng

RT: 10.722 min Scan# 1452

Delta R.T. -0.017 min

Lab File: BF142673.D

Acq: 07 Jun 2025 06:05

Instrument :

BNA_F

ClientSampleId :

TP-56

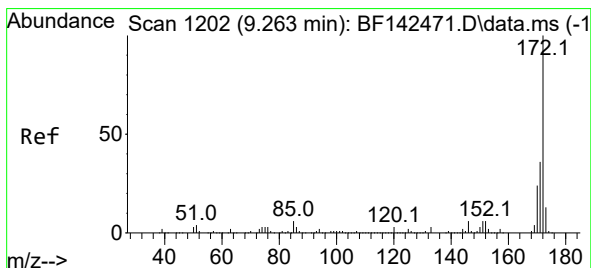
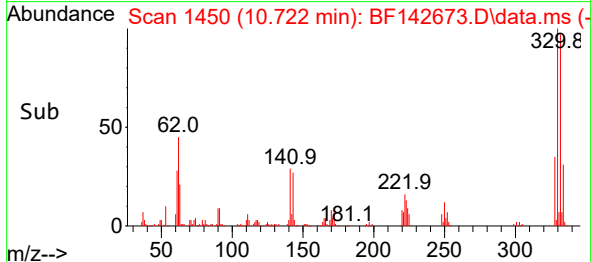
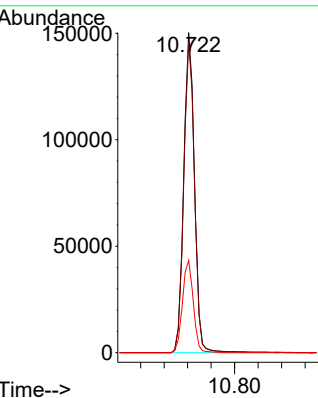
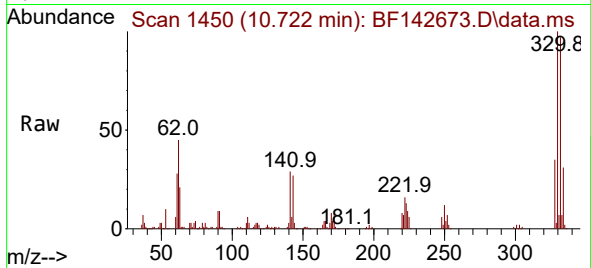
Tgt Ion:330 Resp: 191119

Ion Ratio Lower Upper

330 100

332 96.8 77.6 116.4

141 29.1 24.6 36.8



#45

2-Fluorobiphenyl

Concen: 55.219 ng

RT: 9.251 min Scan# 1200

Delta R.T. -0.017 min

Lab File: BF142673.D

Acq: 07 Jun 2025 06:05

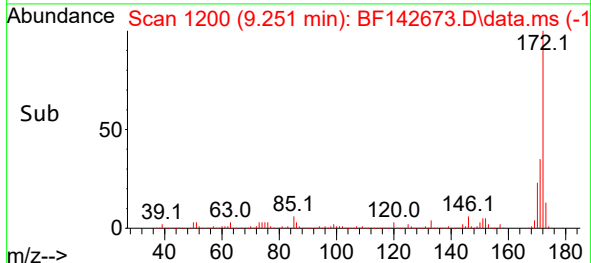
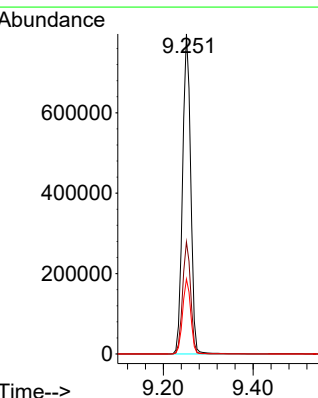
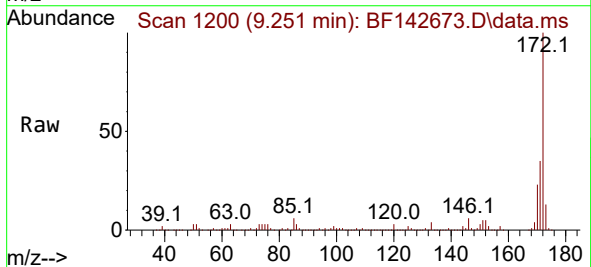
Tgt Ion:172 Resp: 1001356

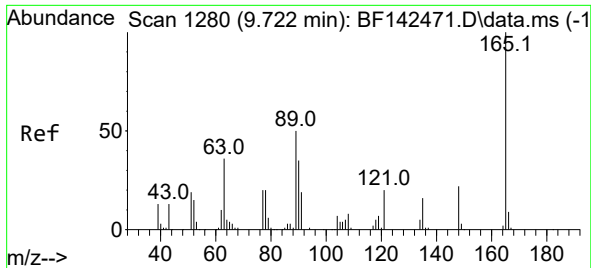
Ion Ratio Lower Upper

172 100

171 35.0 28.6 42.8

170 23.4 18.9 28.3

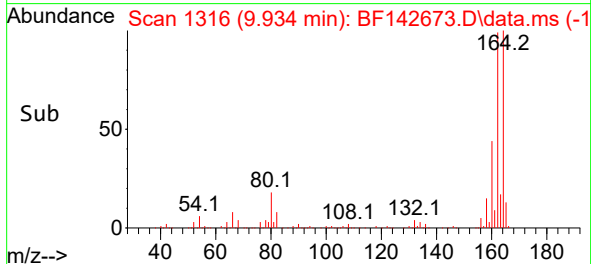
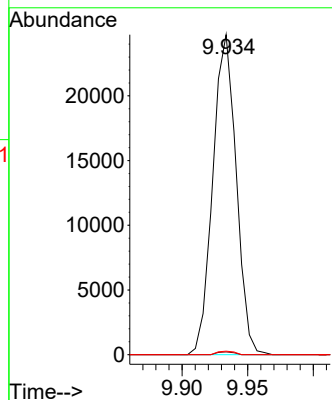
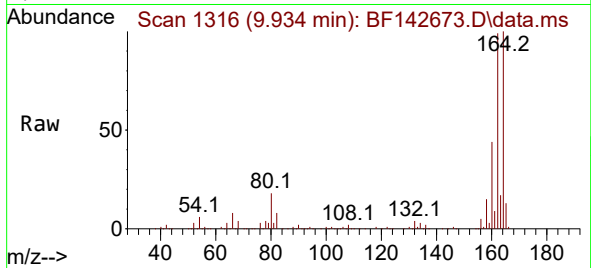




#51
2,6-Dinitrotoluene
Concen: 8.850 ng
RT: 9.934 min Scan# 1316
Delta R.T. 0.206 min
Lab File: BF142673.D
Acq: 07 Jun 2025 06:05

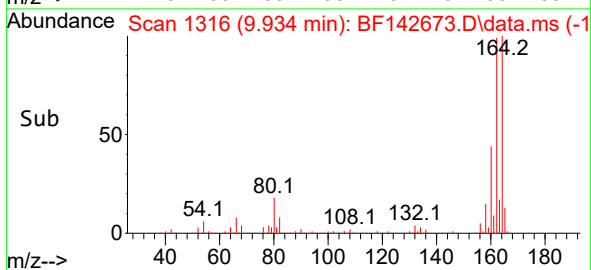
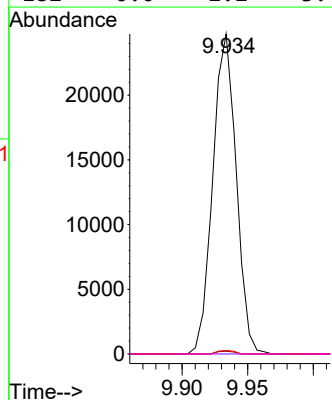
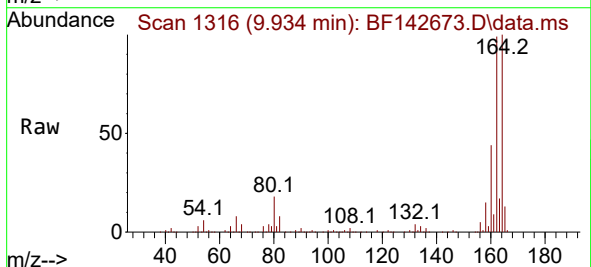
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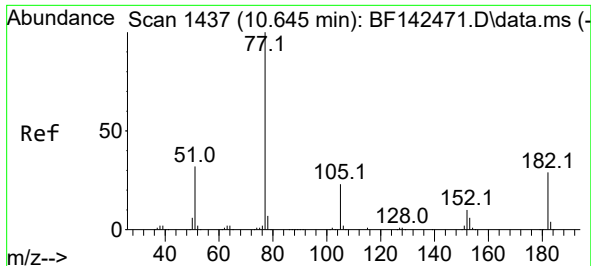
Tgt Ion:165 Resp: 30668
Ion Ratio Lower Upper
165 100
63 0.9 42.9 64.3#
89 1.1 40.2 60.4#



#57
2,4-Dinitrotoluene
Concen: 6.776 ng
RT: 9.934 min Scan# 1316
Delta R.T. -0.200 min
Lab File: BF142673.D
Acq: 07 Jun 2025 06:05

Tgt Ion:165 Resp: 30668
Ion Ratio Lower Upper
165 100
63 0.9 33.6 50.4#
89 1.1 50.2 75.4#
182 0.0 2.2 3.4#

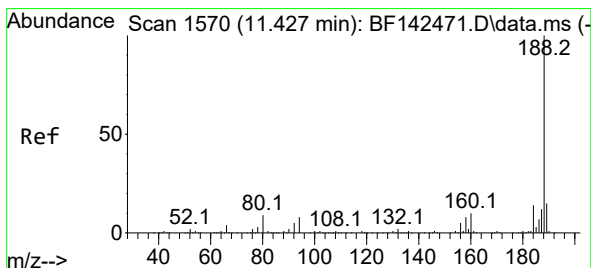
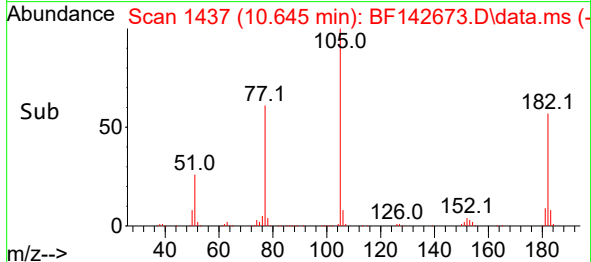
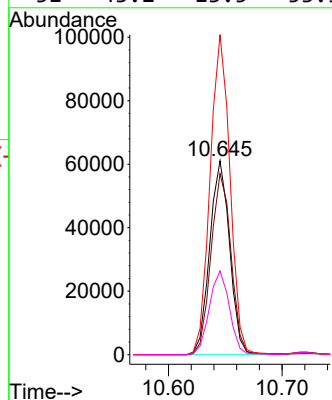
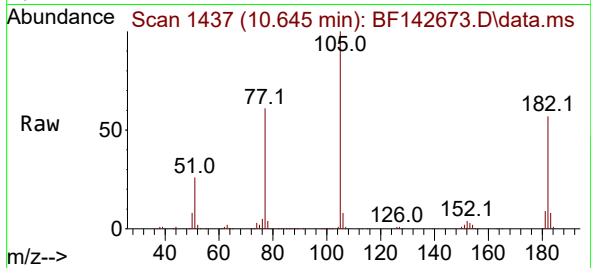




#63
 Azobenzene
 Concen: 5.289 ng
 RT: 10.645 min Scan# 1437
 Delta R.T. 0.000 min
 Lab File: BF142673.D
 Acq: 07 Jun 2025 06:05

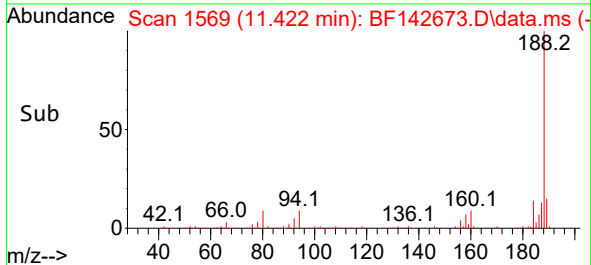
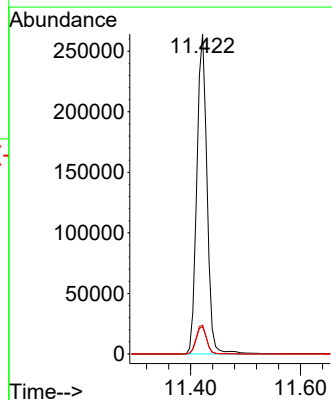
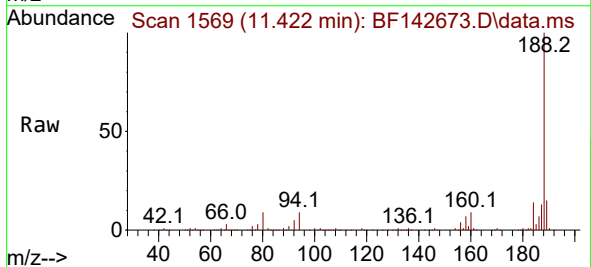
Instrument :
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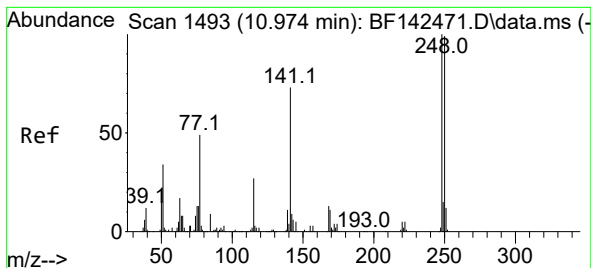
Tgt Ion: 77 Resp: 74495
 Ion Ratio Lower Upper
 77 100
 182 93.4 9.0 49.0#
 105 165.0 2.4 42.4#
 51 43.2 13.5 53.5



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.422 min Scan# 1569
 Delta R.T. -0.011 min
 Lab File: BF142673.D
 Acq: 07 Jun 2025 06:05

Tgt Ion: 188 Resp: 340521
 Ion Ratio Lower Upper
 188 100
 94 8.6 6.6 10.0
 80 9.0 7.4 11.0

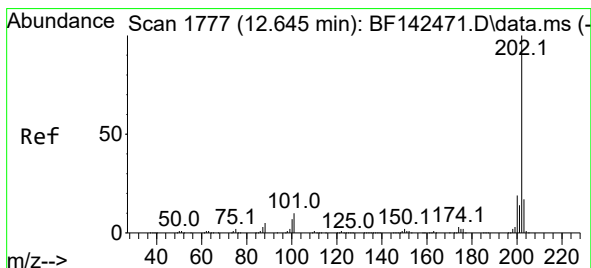
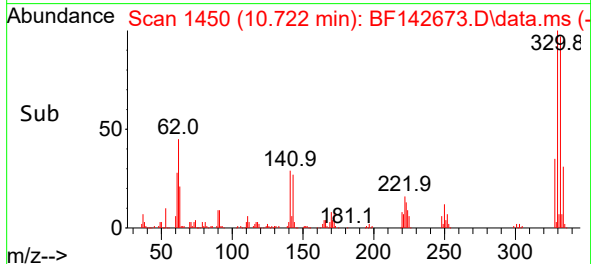
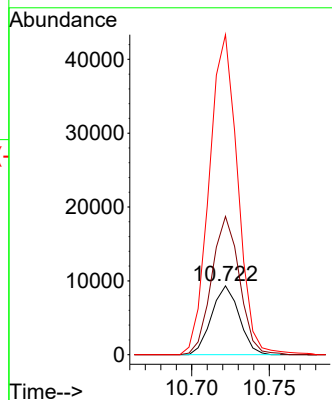
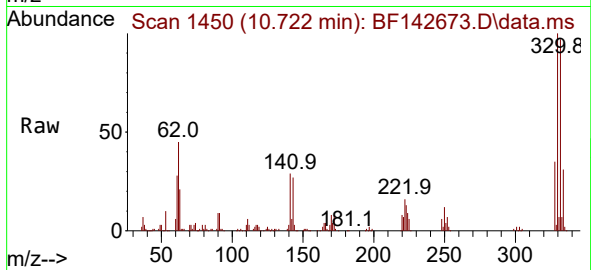




#67
4-Bromophenyl-phenylether
Concen: 2.872 ng
RT: 10.722 min Scan# 1493
Delta R.T. -0.253 min
Lab File: BF142673.D
Acq: 07 Jun 2025 06:05

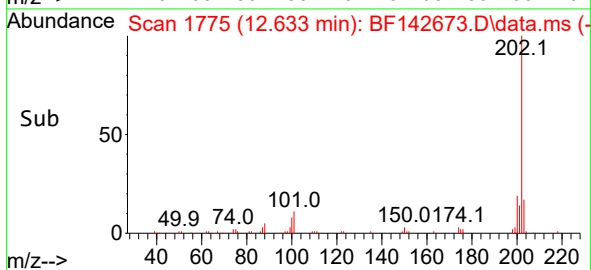
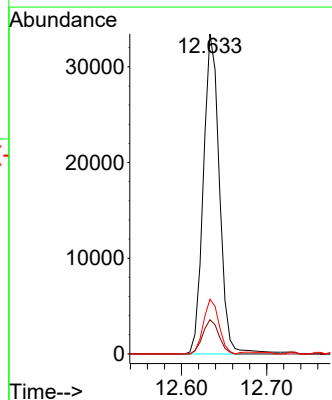
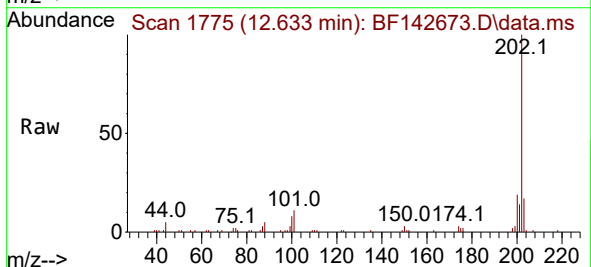
Instrument :
BNA_F
ClientSampleId :
TP-56

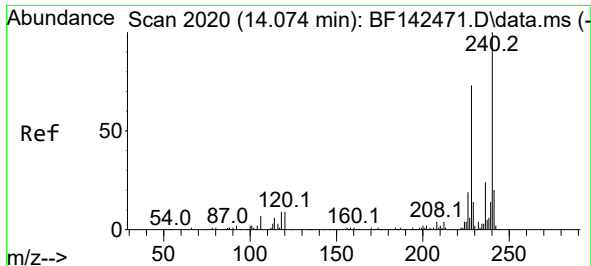
Tgt Ion:248 Resp: 11565
Ion Ratio Lower Upper
248 100
250 201.1 79.0 118.4#
141 465.4 58.4 87.6#



#75
Fluoranthene
Concen: 2.578 ng
RT: 12.633 min Scan# 1775
Delta R.T. -0.012 min
Lab File: BF142673.D
Acq: 07 Jun 2025 06:05

Tgt Ion:202 Resp: 43841
Ion Ratio Lower Upper
202 100
101 10.7 0.0 29.6
203 17.1 0.0 37.2

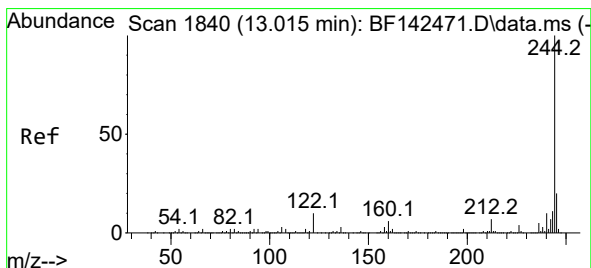
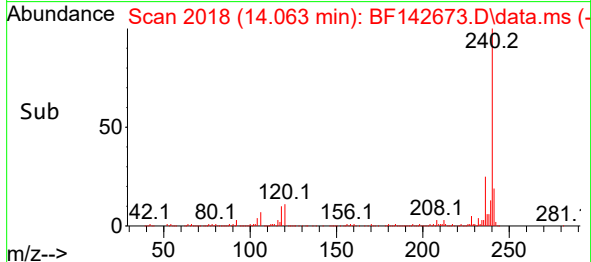
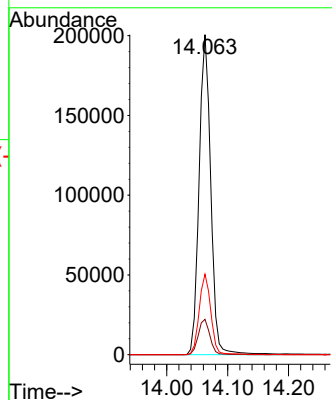
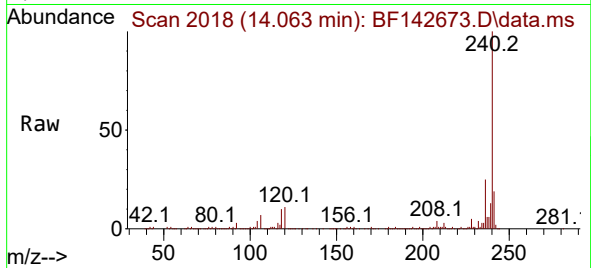




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.063 min Scan# 20
Delta R.T. -0.012 min
Lab File: BF142673.D
Acq: 07 Jun 2025 06:05

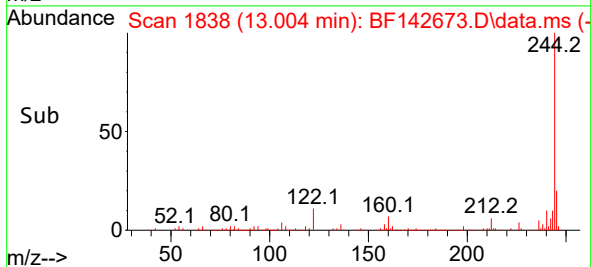
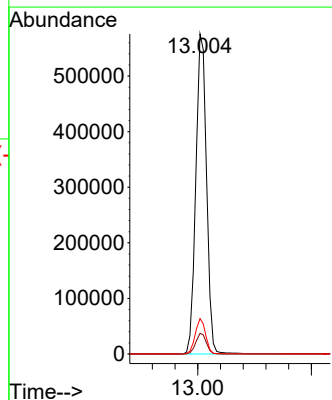
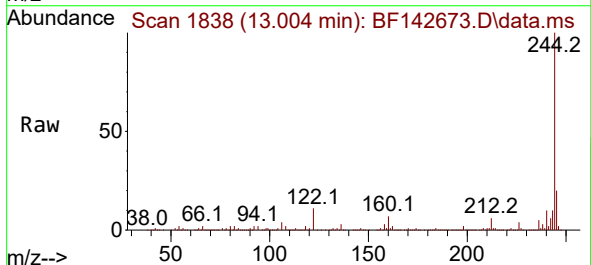
Instrument :
BNA_F
ClientSampleId :
TP-56

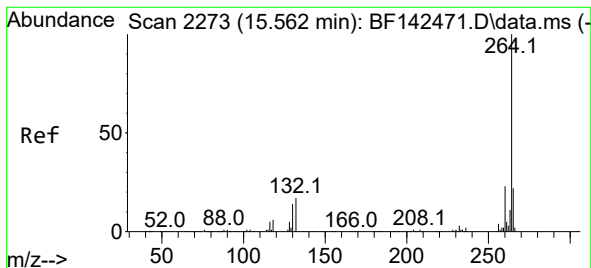
Tgt Ion:240 Resp: 266132
Ion Ratio Lower Upper
240 100
120 11.0 7.5 11.3
236 25.2 19.6 29.4



#79
Terphenyl-d14
Concen: 38.987 ng
RT: 13.004 min Scan# 1838
Delta R.T. -0.011 min
Lab File: BF142673.D
Acq: 07 Jun 2025 06:05

Tgt Ion:244 Resp: 759270
Ion Ratio Lower Upper
244 100
212 6.5 5.3 7.9
122 11.1 8.2 12.2





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.557 min Scan# 2197

Delta R.T. -0.012 min

Lab File: BF142673.D

Acq: 07 Jun 2025 06:05

Instrument :

BNA_F

ClientSampleId :

TP-56

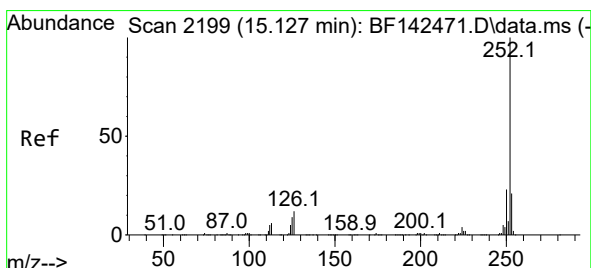
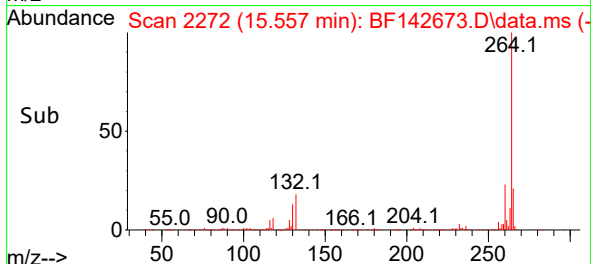
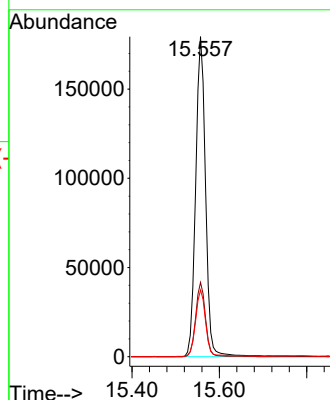
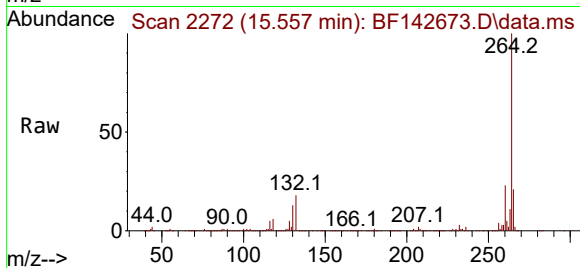
Tgt Ion:264 Resp: 283233

Ion Ratio Lower Upper

264 100

260 23.2 18.6 28.0

265 20.8 17.7 26.5



#88

Benzo(b)fluoranthene

Concen: 2.204 ng

RT: 15.116 min Scan# 2197

Delta R.T. -0.011 min

Lab File: BF142673.D

Acq: 07 Jun 2025 06:05

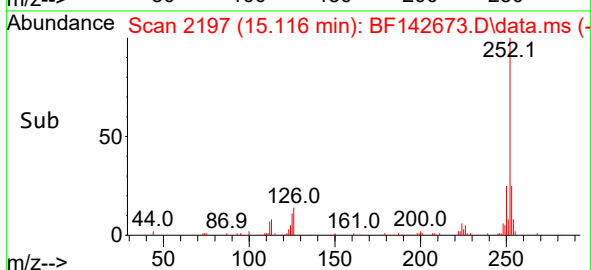
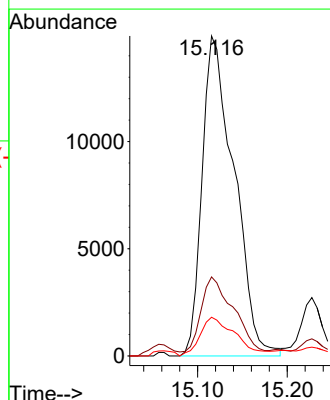
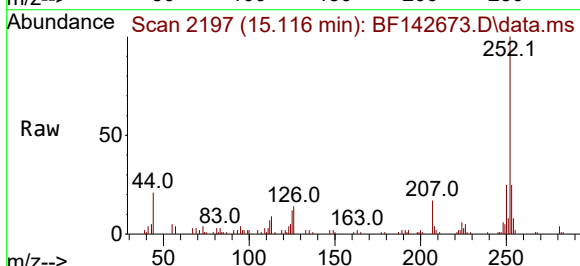
Tgt Ion:252 Resp: 36946

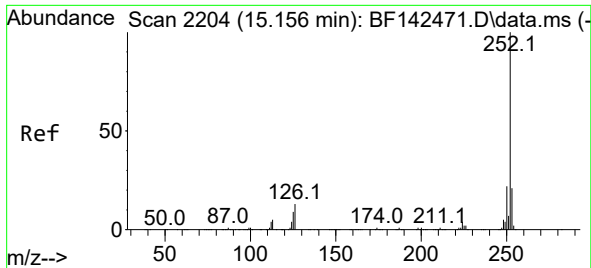
Ion Ratio Lower Upper

252 100

253 24.7 17.0 25.4

125 12.1 7.4 11.0#





#89

Benzo(k)fluoranthene

Concen: 2.353 ng

RT: 15.116 min Scan# 21

Delta R.T. -0.047 min

Lab File: BF142673.D

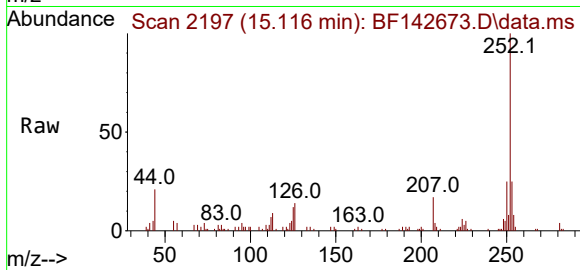
Acq: 07 Jun 2025 06:05

Instrument :

BNA_F

ClientSampleId :

TP-56



Tgt Ion:252 Resp: 36946

Ion Ratio Lower Upper

252 100

253 24.7 17.0 25.4

125 12.1 7.3 10.9#

