

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060625\
 Data File : BF142676.D
 Acq On : 07 Jun 2025 07:32
 Operator : RC/JU
 Sample : Q2241-01
 Misc :
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-N

Quant Time: Jun 09 01:02:52 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

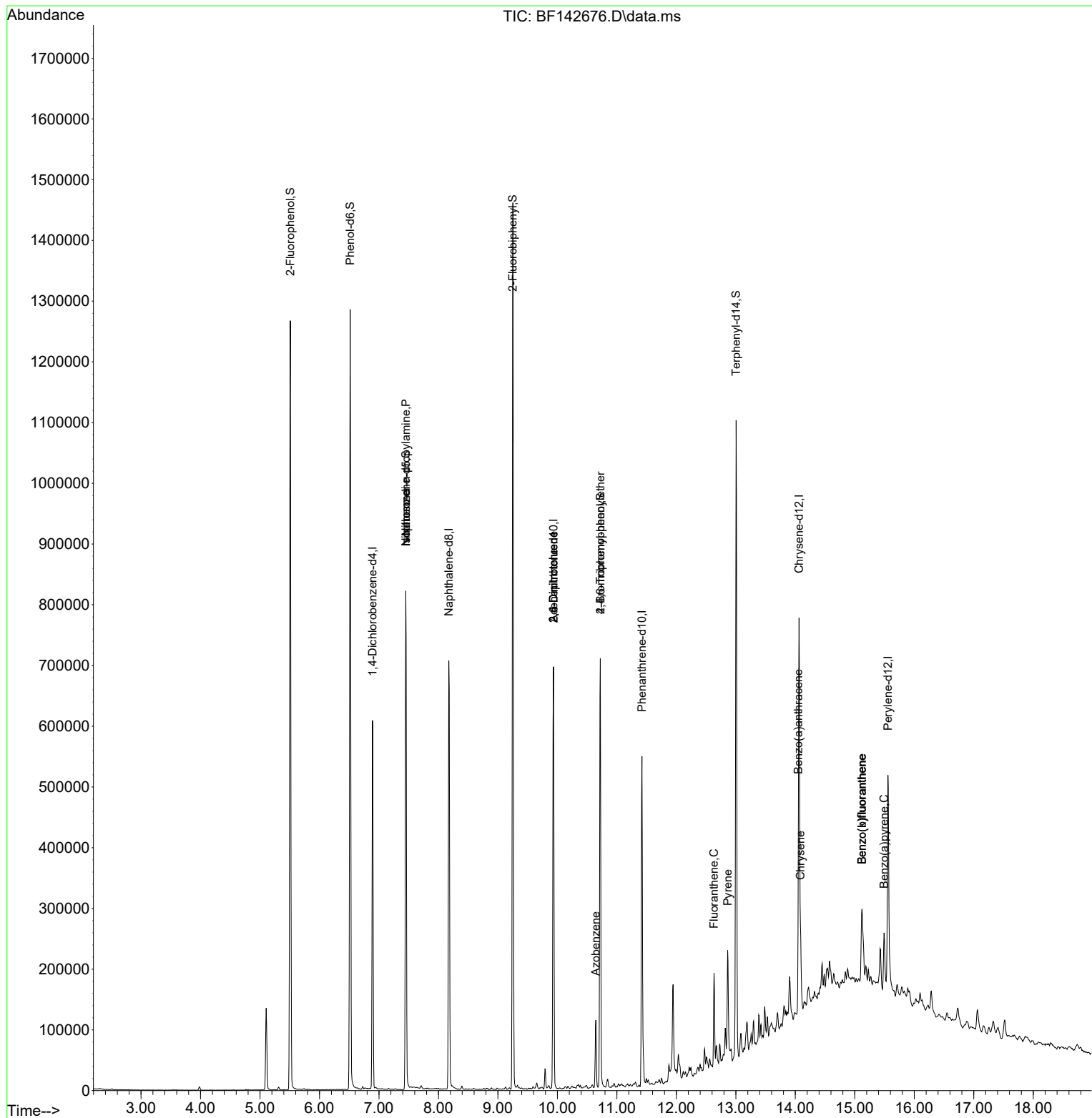
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.893	152	132118	20.000	ng	-0.01
21) Naphthalene-d8	8.175	136	460499	20.000	ng	-0.01
39) Acenaphthene-d10	9.933	164	208571	20.000	ng	-0.01
64) Phenanthrene-d10	11.422	188	285267	20.000	ng	-0.01
76) Chrysene-d12	14.063	240	276078	20.000	ng	#-0.01
86) Perylene-d12	15.557	264	215286	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	494452	63.052	ng	0.00
7) Phenol-d6	6.516	99	607230	64.326	ng	-0.02
23) Nitrobenzene-d5	7.451	82	352054	41.688	ng	-0.02
42) 2,4,6-Tribromophenol	10.722	330	127796	55.206	ng	-0.02
45) 2-Fluorobiphenyl	9.251	172	653086	42.017	ng	-0.02
79) Terphenyl-d14	13.004	244	511834	25.335	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.451	70	46782	7.996	ng	# 75
25) Isophorone	7.451	82	338680	23.987	ng	# 63
51) 2,6-Dinitrotoluene	9.933	165	26652	8.973	ng	# 28
57) 2,4-Dinitrotoluene	9.933	165	26652	6.871	ng	# 28
63) Azobenzene	10.645	77	26435	2.190	ng	# 1
67) 4-Bromophenyl-phenylether	10.722	248	7889	2.339	ng	# 1
75) Fluoranthene	12.633	202	86909	6.101	ng	99
78) Pyrene	12.863	202	105552	4.098	ng	98
81) Benzo(a)anthracene	14.051	228	79855	4.332	ng	# 88
83) Chrysene	14.086	228	73815	4.456	ng	# 94
88) Benzo(b)fluoranthene	15.121	252	106542	8.362	ng	# 91
89) Benzo(k)fluoranthene	15.121	252	106542	8.928	ng	# 91
90) Benzo(a)pyrene	15.492	252	54838	4.566	ng	# 94

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

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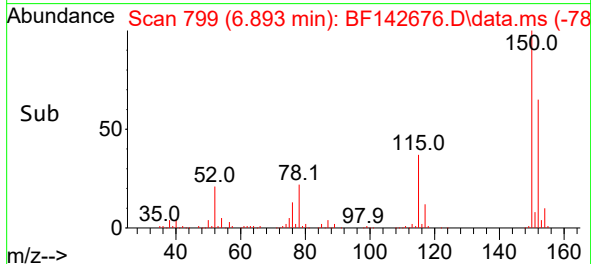
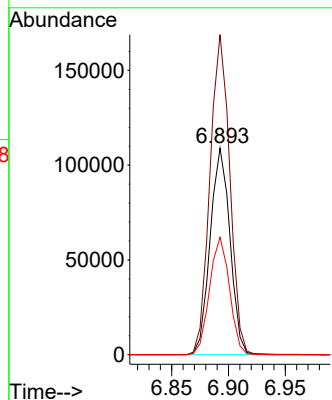
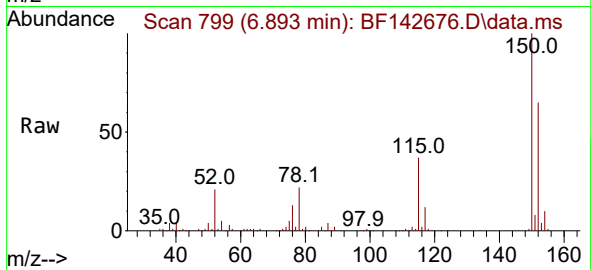




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.893 min Scan# 79
Delta R.T. -0.011 min
Lab File: BF142676.D
Acq: 07 Jun 2025 07:32

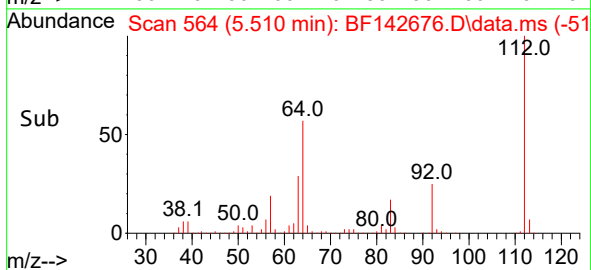
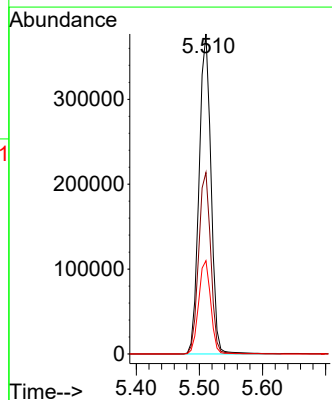
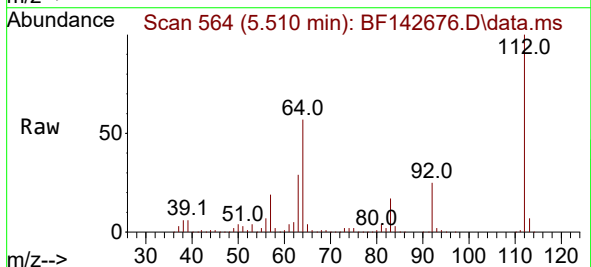
Instrument :
BNA_F
ClientSampleId :
TP-N

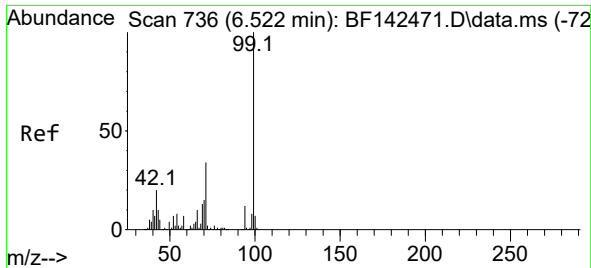
Tgt Ion:152 Resp: 132118
Ion Ratio Lower Upper
152 100
150 154.9 128.2 192.4
115 56.9 48.3 72.5



#5
2-Fluorophenol
Concen: 63.052 ng
RT: 5.510 min Scan# 564
Delta R.T. -0.006 min
Lab File: BF142676.D
Acq: 07 Jun 2025 07:32

Tgt Ion:112 Resp: 494452
Ion Ratio Lower Upper
112 100
64 56.7 47.5 71.3
63 29.2 24.9 37.3

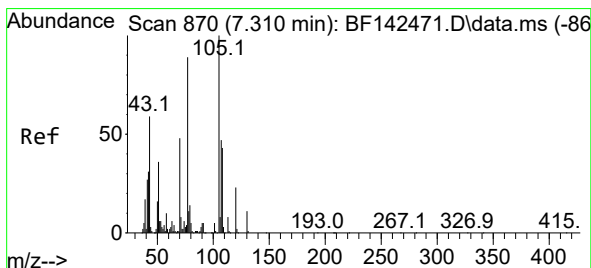
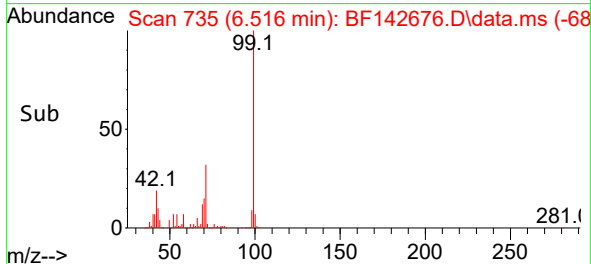
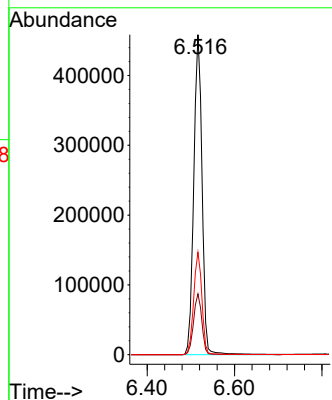
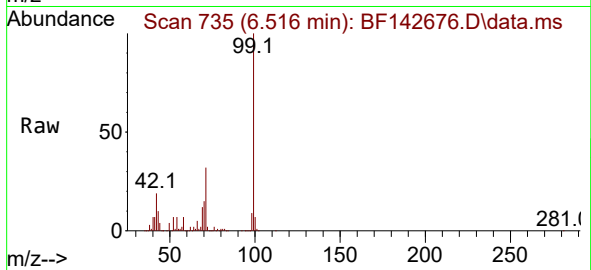




#7
Phenol-d6
Concen: 64.326 ng
RT: 6.516 min Scan# 71
Delta R.T. -0.017 min
Lab File: BF142676.D
Acq: 07 Jun 2025 07:32

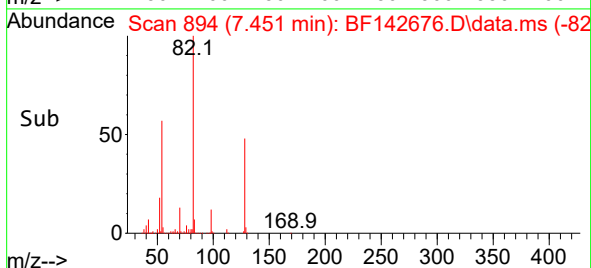
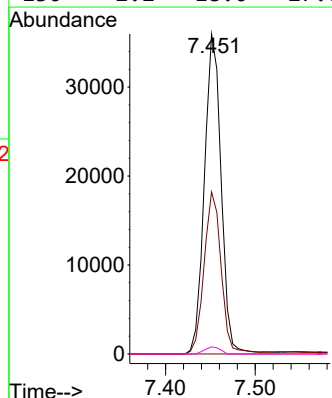
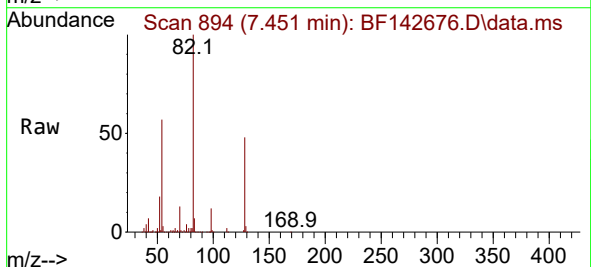
Instrument :
BNA_F
ClientSampleId :
TP-N

Tgt Ion: 99 Resp: 607230
Ion Ratio Lower Upper
99 100
42 19.0 16.2 24.2
71 32.0 27.3 40.9



#19
n-Nitroso-di-n-propylamine
Concen: 7.996 ng
RT: 7.451 min Scan# 894
Delta R.T. 0.124 min
Lab File: BF142676.D
Acq: 07 Jun 2025 07:32

Tgt Ion: 70 Resp: 46782
Ion Ratio Lower Upper
70 100
42 50.7 52.4 78.6#
101 0.0 7.8 11.8#
130 2.2 18.0 27.0#

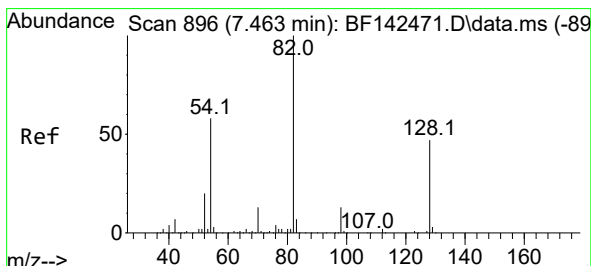
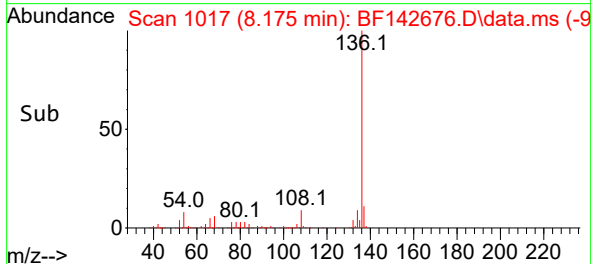
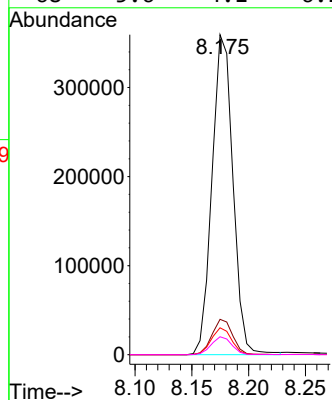
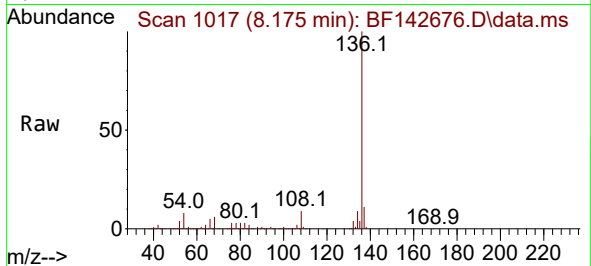




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.175 min Scan# 1017
Delta R.T. -0.012 min
Lab File: BF142676.D
Acq: 07 Jun 2025 07:32

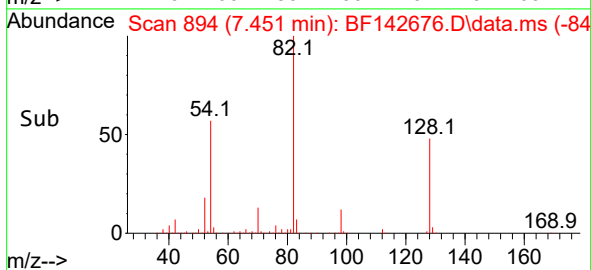
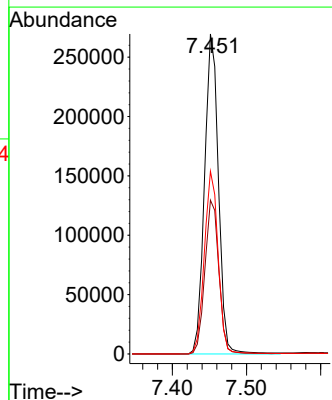
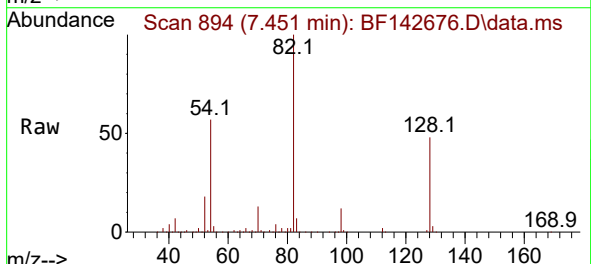
Instrument :
BNA_F
ClientSampleId :
TP-N

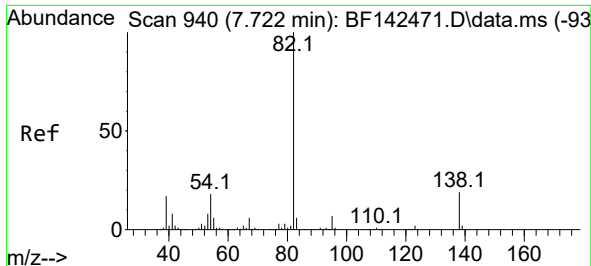
Tgt Ion:	136	Resp:	460499
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.6	13.0
54	8.4	6.6	10.0
68	5.6	4.1	6.1



#23
Nitrobenzene-d5
Concen: 41.688 ng
RT: 7.451 min Scan# 894
Delta R.T. -0.023 min
Lab File: BF142676.D
Acq: 07 Jun 2025 07:32

Tgt Ion:	82	Resp:	352054
Ion	Ratio	Lower	Upper
82	100		
128	48.0	37.4	56.2
54	57.1	46.6	70.0

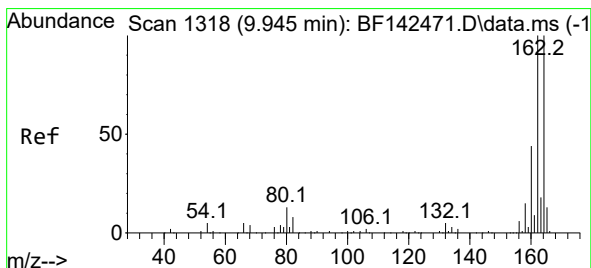
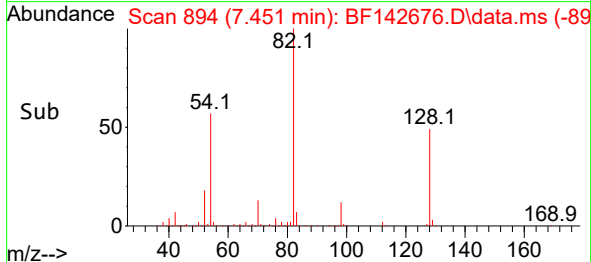
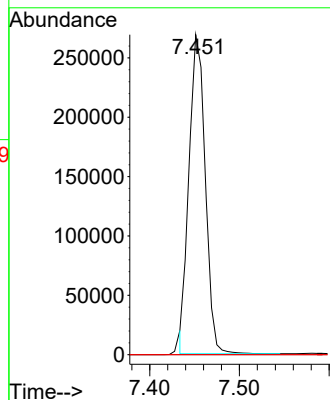
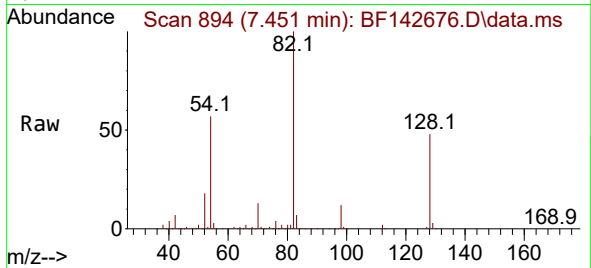




#25
Isophorone
Concen: 23.987 ng
RT: 7.451 min Scan# 894
Delta R.T. -0.282 min
Lab File: BF142676.D
Acq: 07 Jun 2025 07:32

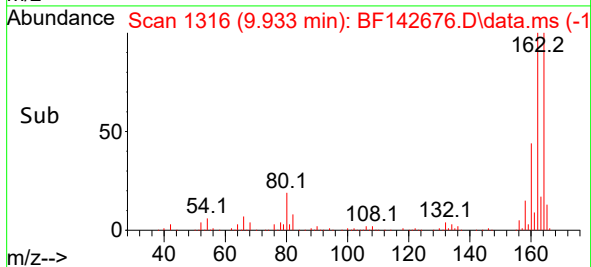
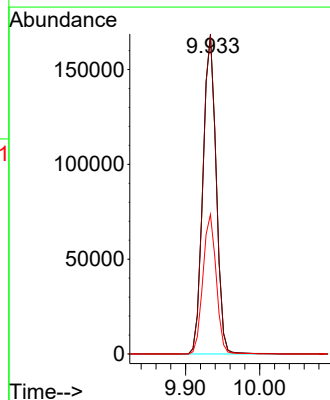
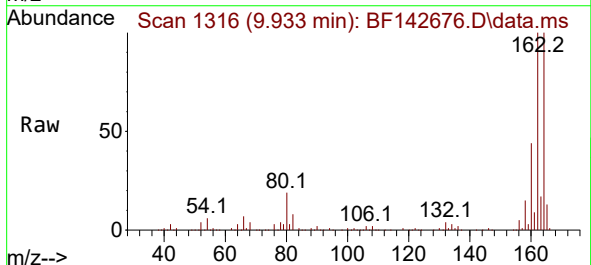
Instrument :
BNA_F
ClientSampleId :
TP-N

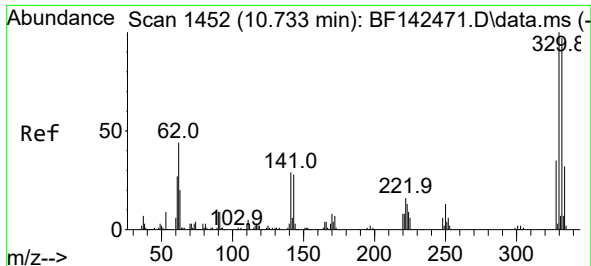
Tgt Ion: 82 Resp: 338680
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 15.5 23.3#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.933 min Scan# 1316
Delta R.T. -0.012 min
Lab File: BF142676.D
Acq: 07 Jun 2025 07:32

Tgt Ion:164 Resp: 208571
Ion Ratio Lower Upper
164 100
162 100.3 80.2 120.4
160 43.8 35.6 53.4





#42

2,4,6-Tribromophenol

Concen: 55.206 ng

RT: 10.722 min Scan# 1450

Delta R.T. -0.017 min

Lab File: BF142676.D

Acq: 07 Jun 2025 07:32

Instrument :

BNA_F

ClientSampleId :

TP-N

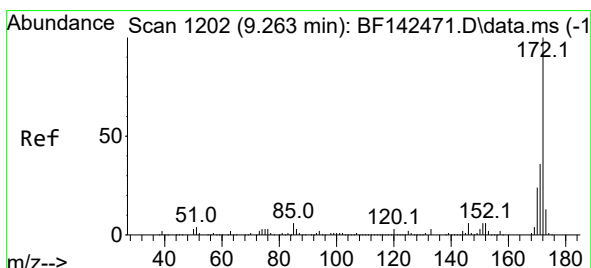
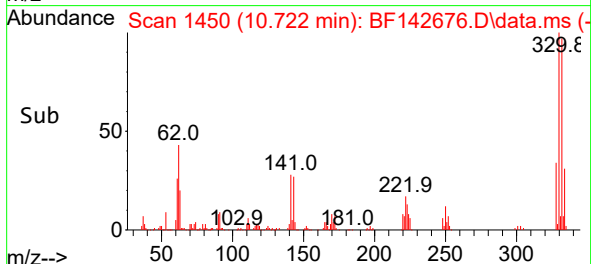
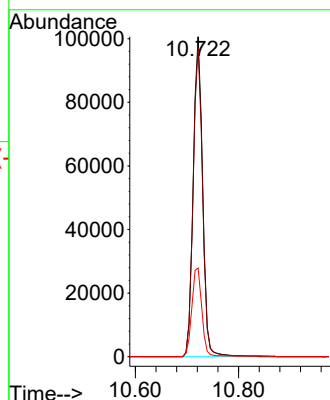
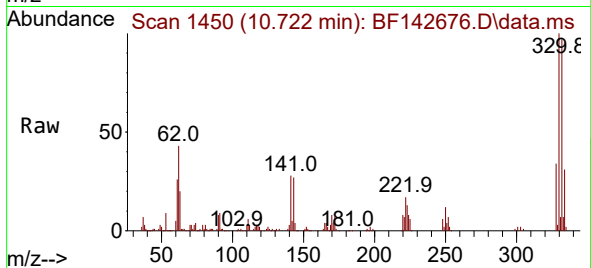
Tgt Ion:330 Resp: 127796

Ion Ratio Lower Upper

330 100

332 96.3 77.6 116.4

141 29.5 24.6 36.8



#45

2-Fluorobiphenyl

Concen: 42.017 ng

RT: 9.251 min Scan# 1200

Delta R.T. -0.017 min

Lab File: BF142676.D

Acq: 07 Jun 2025 07:32

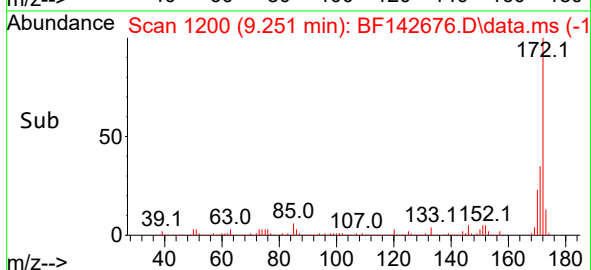
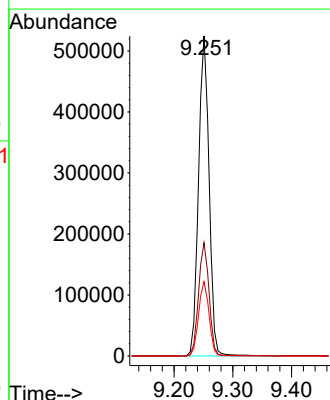
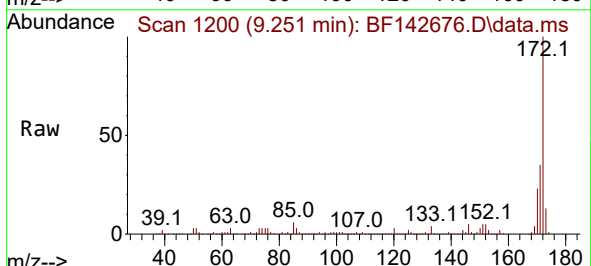
Tgt Ion:172 Resp: 653086

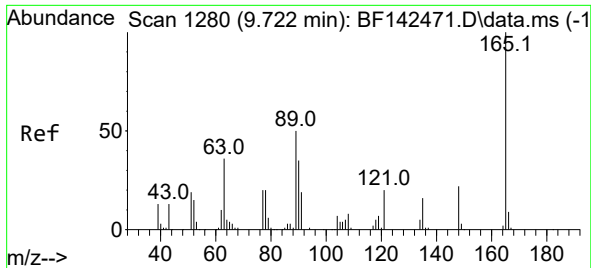
Ion Ratio Lower Upper

172 100

171 35.4 28.6 42.8

170 23.2 18.9 28.3

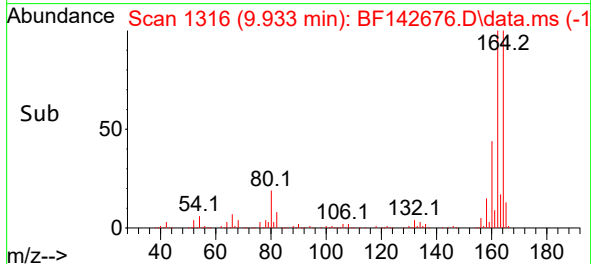
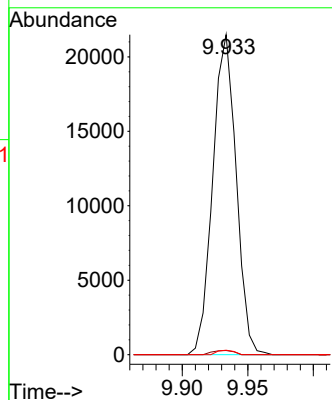
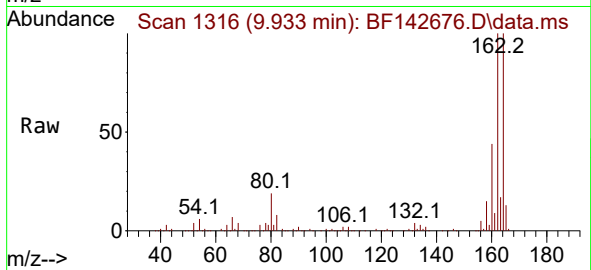




#51
2,6-Dinitrotoluene
Concen: 8.973 ng
RT: 9.933 min Scan# 1316
Delta R.T. 0.206 min
Lab File: BF142676.D
Acq: 07 Jun 2025 07:32

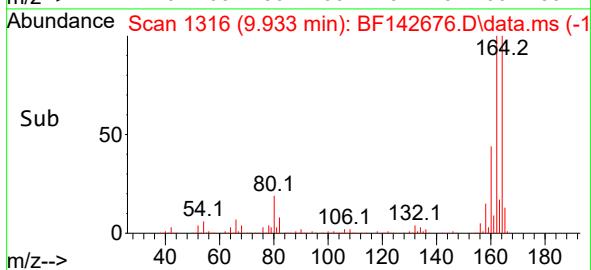
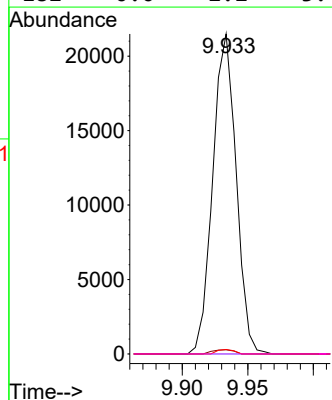
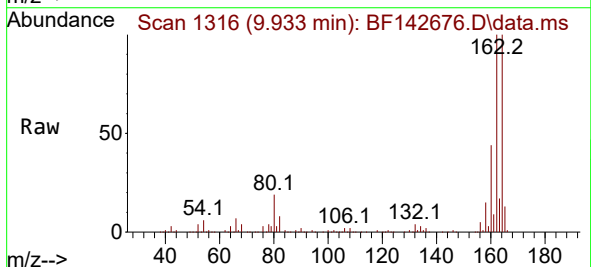
Instrument :
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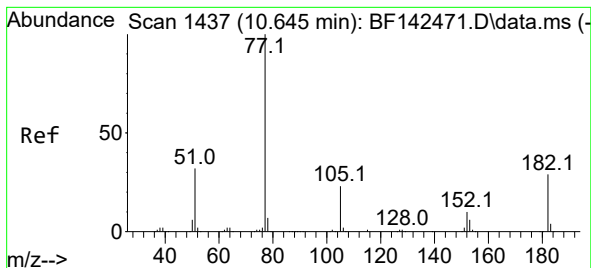
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.3	42.9	64.3#
89	1.4	40.2	60.4#



#57
2,4-Dinitrotoluene
Concen: 6.871 ng
RT: 9.933 min Scan# 1316
Delta R.T. -0.200 min
Lab File: BF142676.D
Acq: 07 Jun 2025 07:32

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.3	33.6	50.4#
89	1.4	50.2	75.4#
182	0.0	2.2	3.4#





#63

Azobenzene

Concen: 2.190 ng

RT: 10.645 min Scan# 1437

Delta R.T. 0.000 min

Lab File: BF142676.D

Acq: 07 Jun 2025 07:32

Instrument :

BNA_F

ClientSampleId :

TP-N

Tgt Ion: 77 Resp: 26435

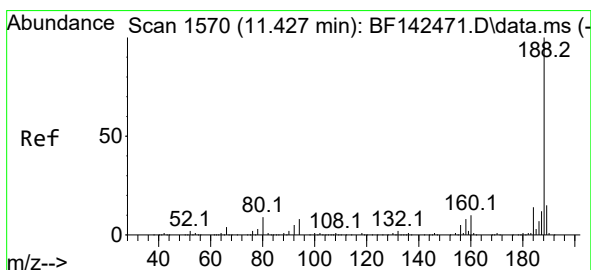
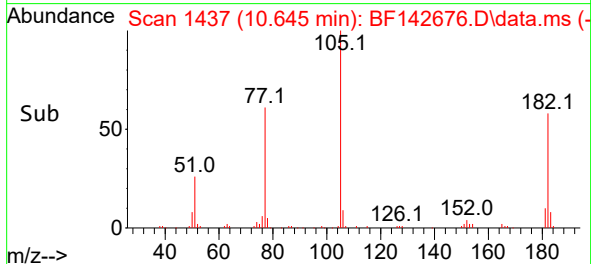
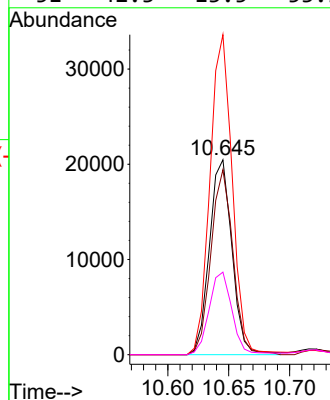
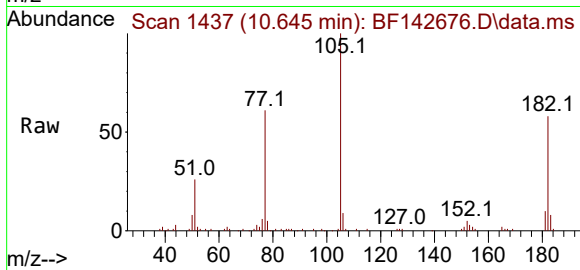
Ion Ratio Lower Upper

77 100

182 94.9 9.0 49.0#

105 164.1 2.4 42.4#

51 42.3 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: BF142676.D

Acq: 07 Jun 2025 07:32

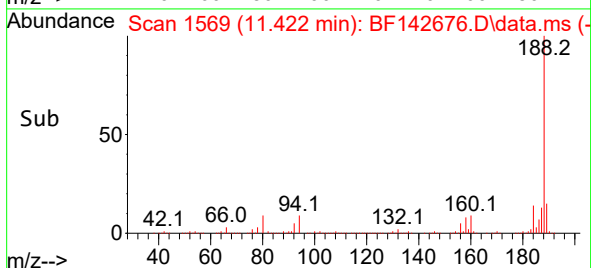
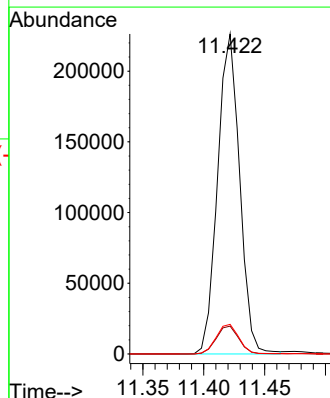
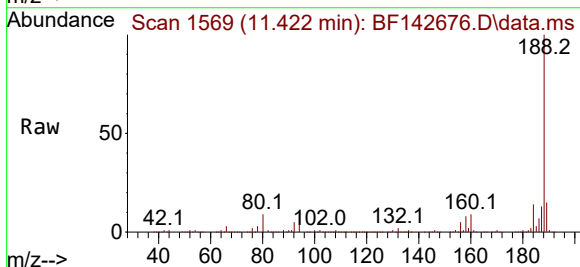
Tgt Ion:188 Resp: 285267

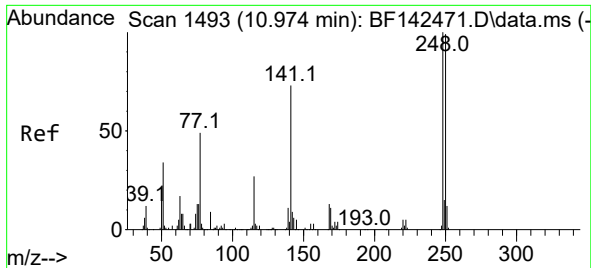
Ion Ratio Lower Upper

188 100

94 8.7 6.6 10.0

80 9.2 7.4 11.0

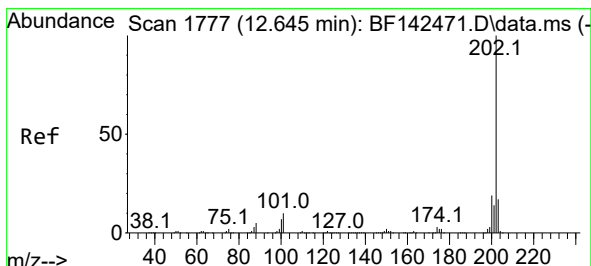
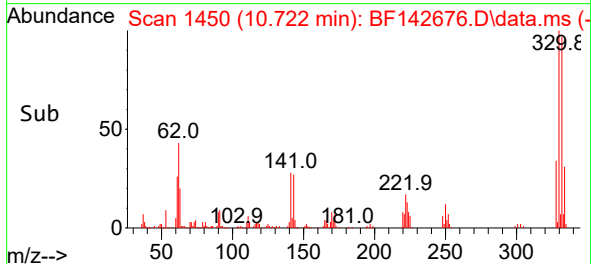
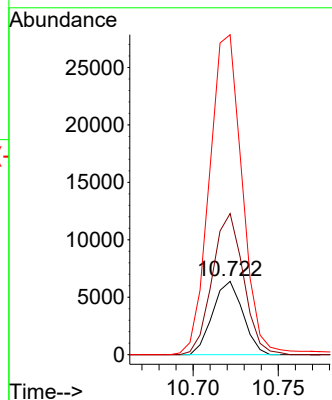
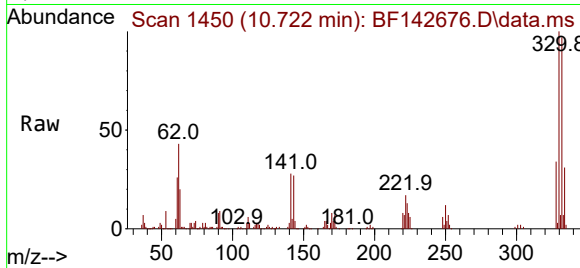




#67
4-Bromophenyl-phenylether
Concen: 2.339 ng
RT: 10.722 min Scan# 1493
Delta R.T. -0.253 min
Lab File: BF142676.D
Acq: 07 Jun 2025 07:32

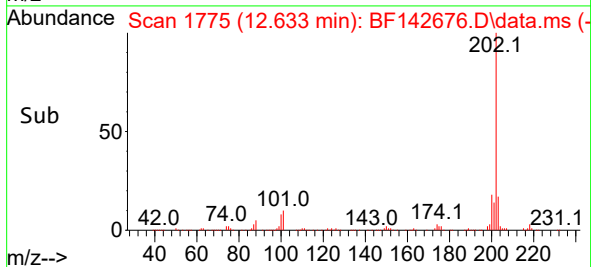
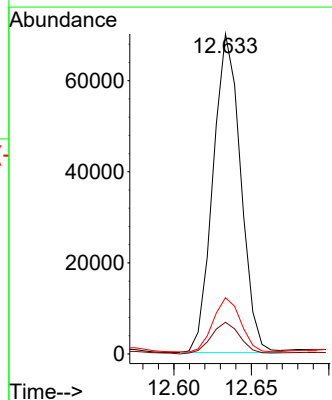
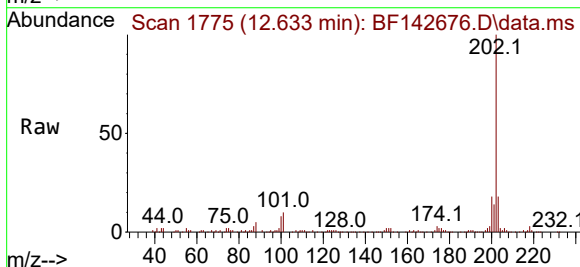
Instrument :
BNA_F
ClientSampleId :
TP-N

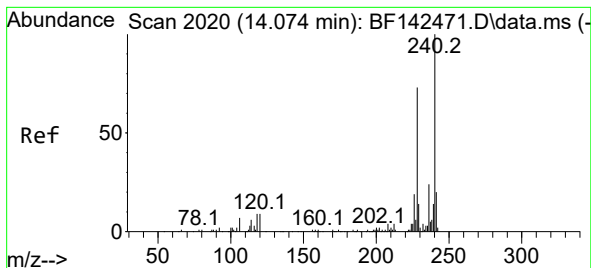
Tgt Ion:248 Resp: 7889
Ion Ratio Lower Upper
248 100
250 192.5 79.0 118.4#
141 436.3 58.4 87.6#



#75
Fluoranthene
Concen: 6.101 ng
RT: 12.633 min Scan# 1775
Delta R.T. -0.012 min
Lab File: BF142676.D
Acq: 07 Jun 2025 07:32

Tgt Ion:202 Resp: 86909
Ion Ratio Lower Upper
202 100
101 9.9 0.0 29.6
203 17.6 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: BF142676.D

Acq: 07 Jun 2025 07:32

Instrument :

BNA_F

ClientSampleId :

TP-N

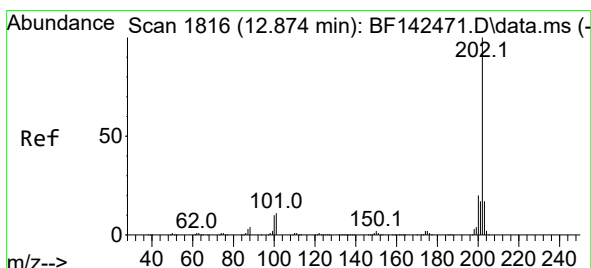
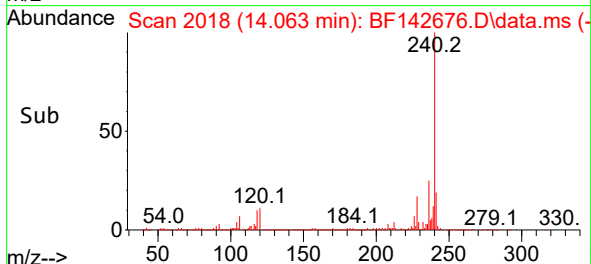
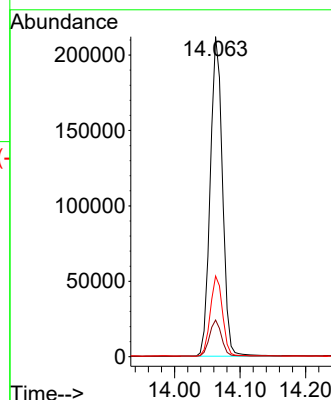
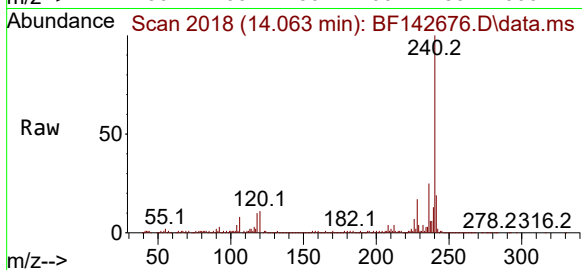
Tgt Ion:240 Resp: 276078

Ion Ratio Lower Upper

240 100

120 11.5 7.5 11.3#

236 25.2 19.6 29.4



#78

Pyrene

Concen: 4.098 ng

RT: 12.863 min Scan# 1814

Delta R.T. -0.012 min

Lab File: BF142676.D

Acq: 07 Jun 2025 07:32

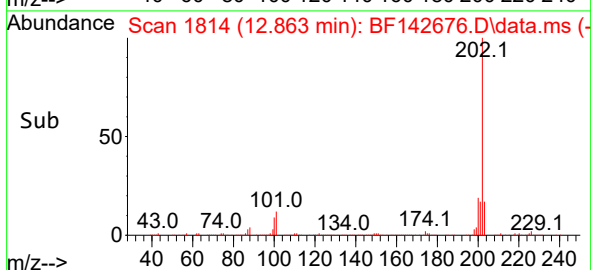
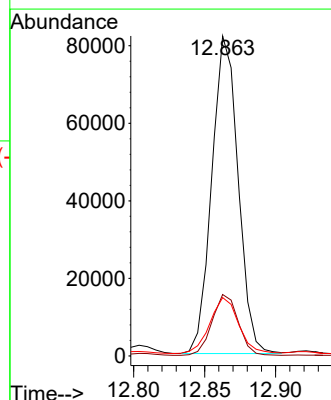
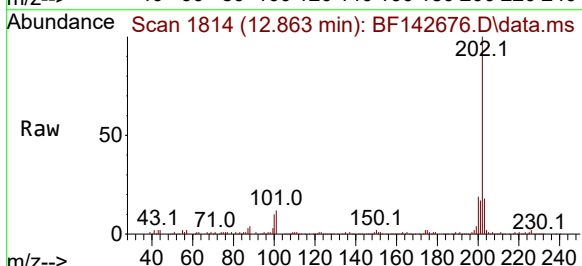
Tgt Ion:202 Resp: 105552

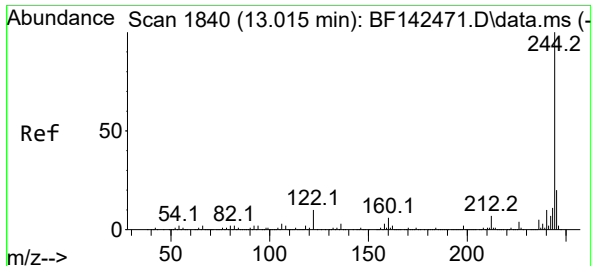
Ion Ratio Lower Upper

202 100

200 19.2 16.1 24.1

203 18.3 13.9 20.9

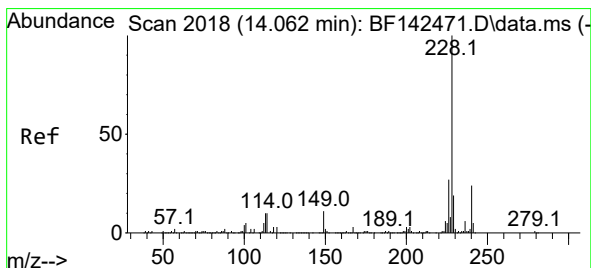
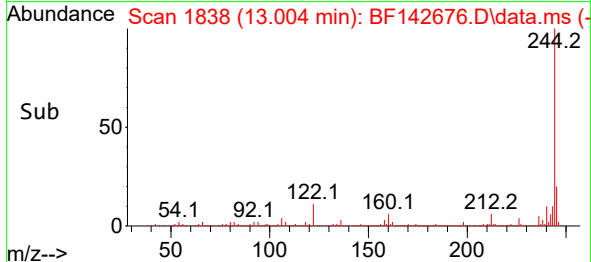
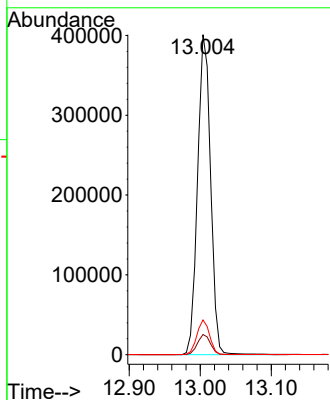
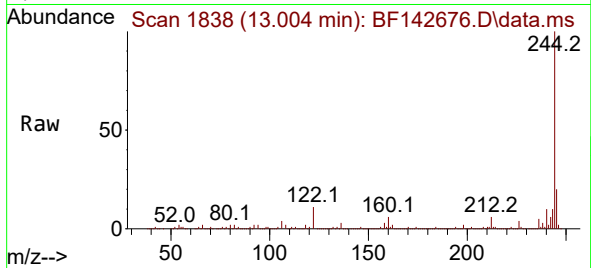




#79
 Terphenyl-d14
 Concen: 25.335 ng
 RT: 13.004 min Scan# 11
 Delta R.T. -0.012 min
 Lab File: BF142676.D
 Acq: 07 Jun 2025 07:32

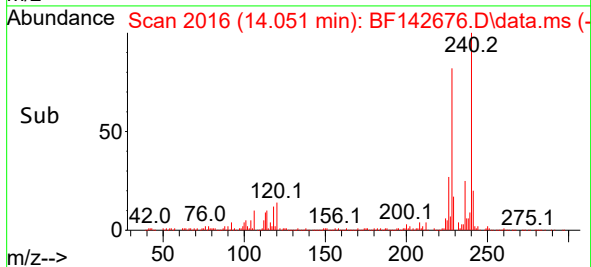
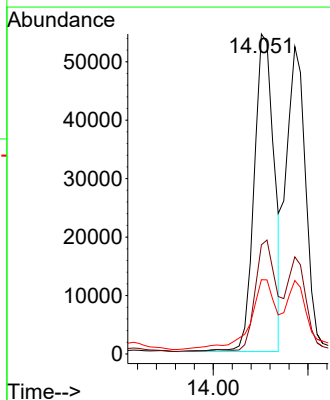
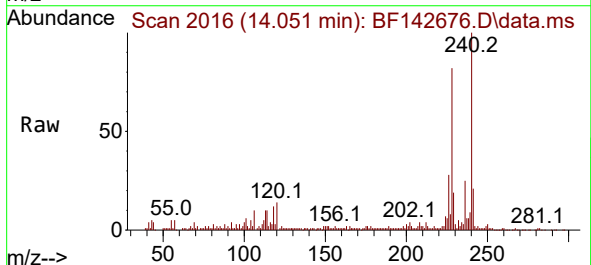
Instrument :
 BNA_F
 ClientSampleId :
 TP-N

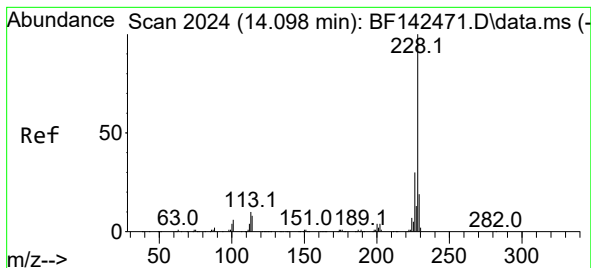
Tgt Ion:244 Resp: 511834
 Ion Ratio Lower Upper
 244 100
 212 6.3 5.3 7.9
 122 10.9 8.2 12.2



#81
 Benzo(a)anthracene
 Concen: 4.332 ng
 RT: 14.051 min Scan# 2016
 Delta R.T. -0.012 min
 Lab File: BF142676.D
 Acq: 07 Jun 2025 07:32

Tgt Ion:228 Resp: 79855
 Ion Ratio Lower Upper
 228 100
 226 34.1 21.2 31.8#
 229 23.2 15.5 23.3





#83

Chrysene

Concen: 4.456 ng

RT: 14.086 min Scan# 20

Delta R.T. -0.017 min

Lab File: BF142676.D

Acq: 07 Jun 2025 07:32

Instrument :

BNA_F

ClientSampleId :

TP-N

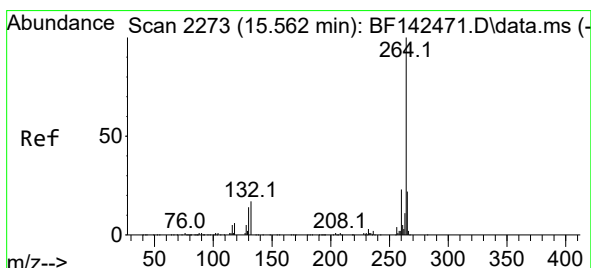
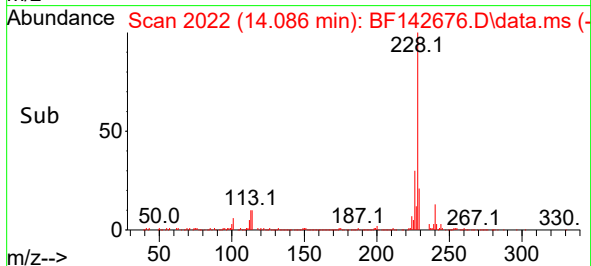
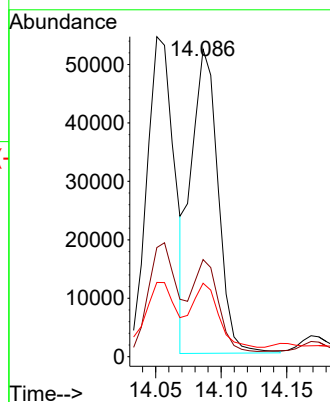
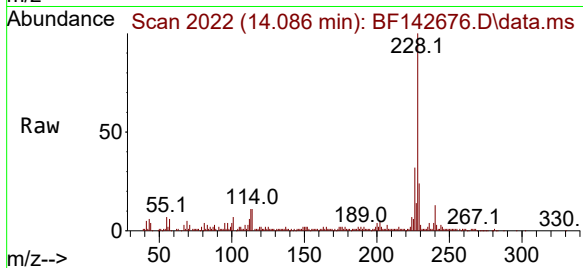
Tgt Ion:228 Resp: 73815

Ion Ratio Lower Upper

228 100

226 31.6 23.8 35.6

229 23.9 15.4 23.2#



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.557 min Scan# 2272

Delta R.T. -0.012 min

Lab File: BF142676.D

Acq: 07 Jun 2025 07:32

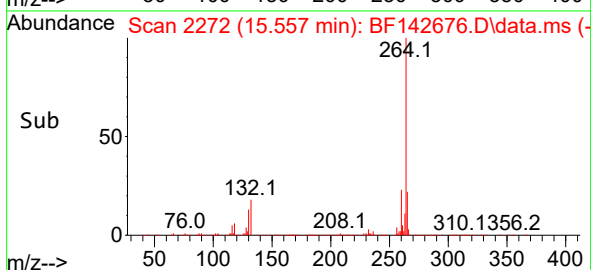
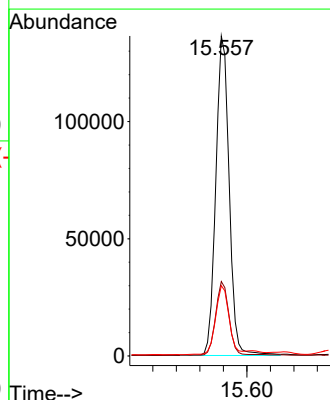
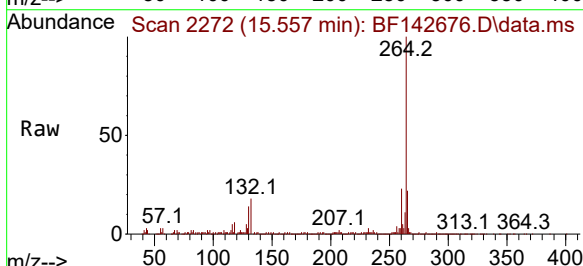
Tgt Ion:264 Resp: 215286

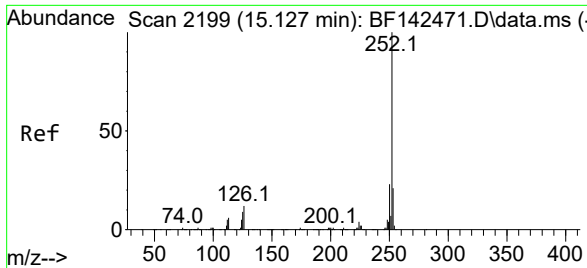
Ion Ratio Lower Upper

264 100

260 23.3 18.6 28.0

265 21.9 17.7 26.5

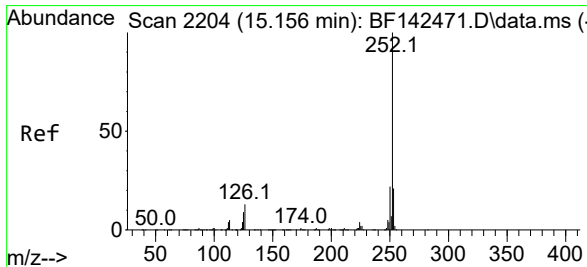
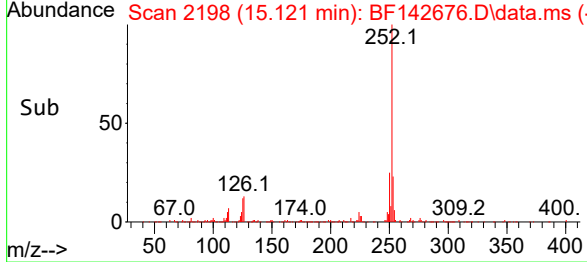
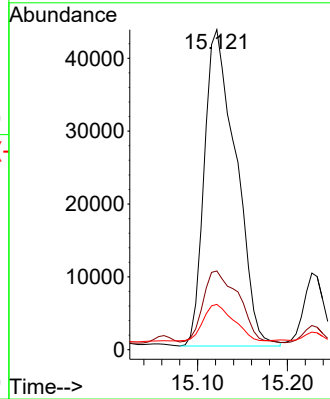
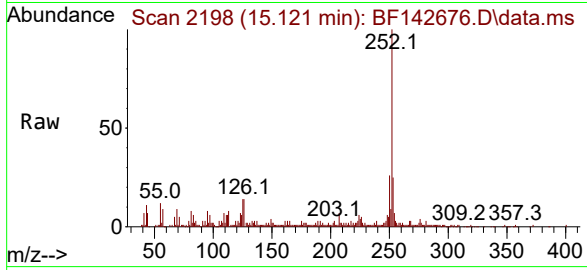




#88
Benzo(b)fluoranthene
Concen: 8.362 ng
RT: 15.121 min Scan# 2199
Delta R.T. -0.006 min
Lab File: BF142676.D
Acq: 07 Jun 2025 07:32

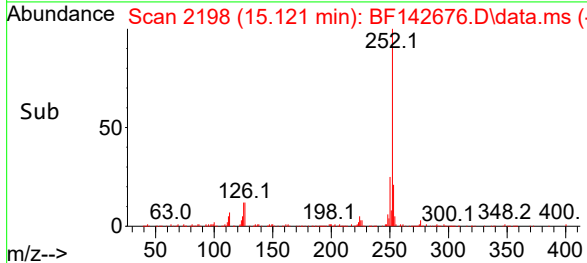
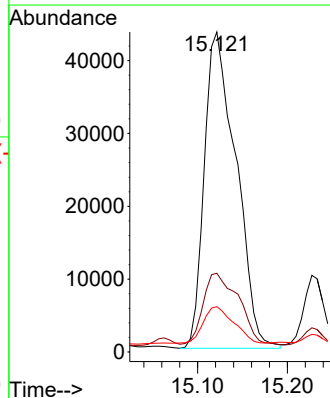
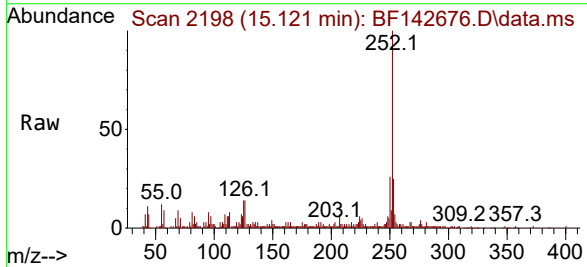
Instrument :
BNA_F
ClientSampleId :
TP-N

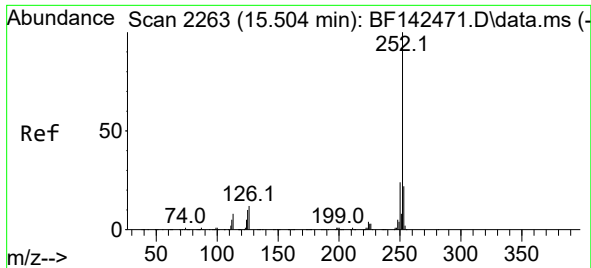
Tgt Ion:252 Resp: 106542
Ion Ratio Lower Upper
252 100
253 24.6 17.0 25.4
125 14.1 7.4 11.0#



#89
Benzo(k)fluoranthene
Concen: 8.928 ng
RT: 15.121 min Scan# 2198
Delta R.T. -0.041 min
Lab File: BF142676.D
Acq: 07 Jun 2025 07:32

Tgt Ion:252 Resp: 106542
Ion Ratio Lower Upper
252 100
253 24.6 17.0 25.4
125 14.1 7.3 10.9#





#90

Benzo(a)pyrene

Concen: 4.566 ng

RT: 15.492 min Scan# 21

Delta R.T. -0.018 min

Lab File: BF142676.D

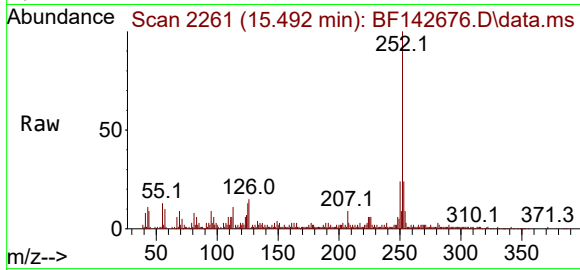
Acq: 07 Jun 2025 07:32

Instrument :

BNA_F

ClientSampleId :

TP-N



Tgt Ion:252 Resp: 54838

Ion Ratio Lower Upper

252 100

253 24.1 17.4 26.0

125 13.2 7.9 11.9#

