

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060625\
 Data File : BF142671.D
 Acq On : 07 Jun 2025 05:07
 Operator : RC/JU
 Sample : Q2176-05
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-28

Quant Time: Jun 07 05:51:44 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

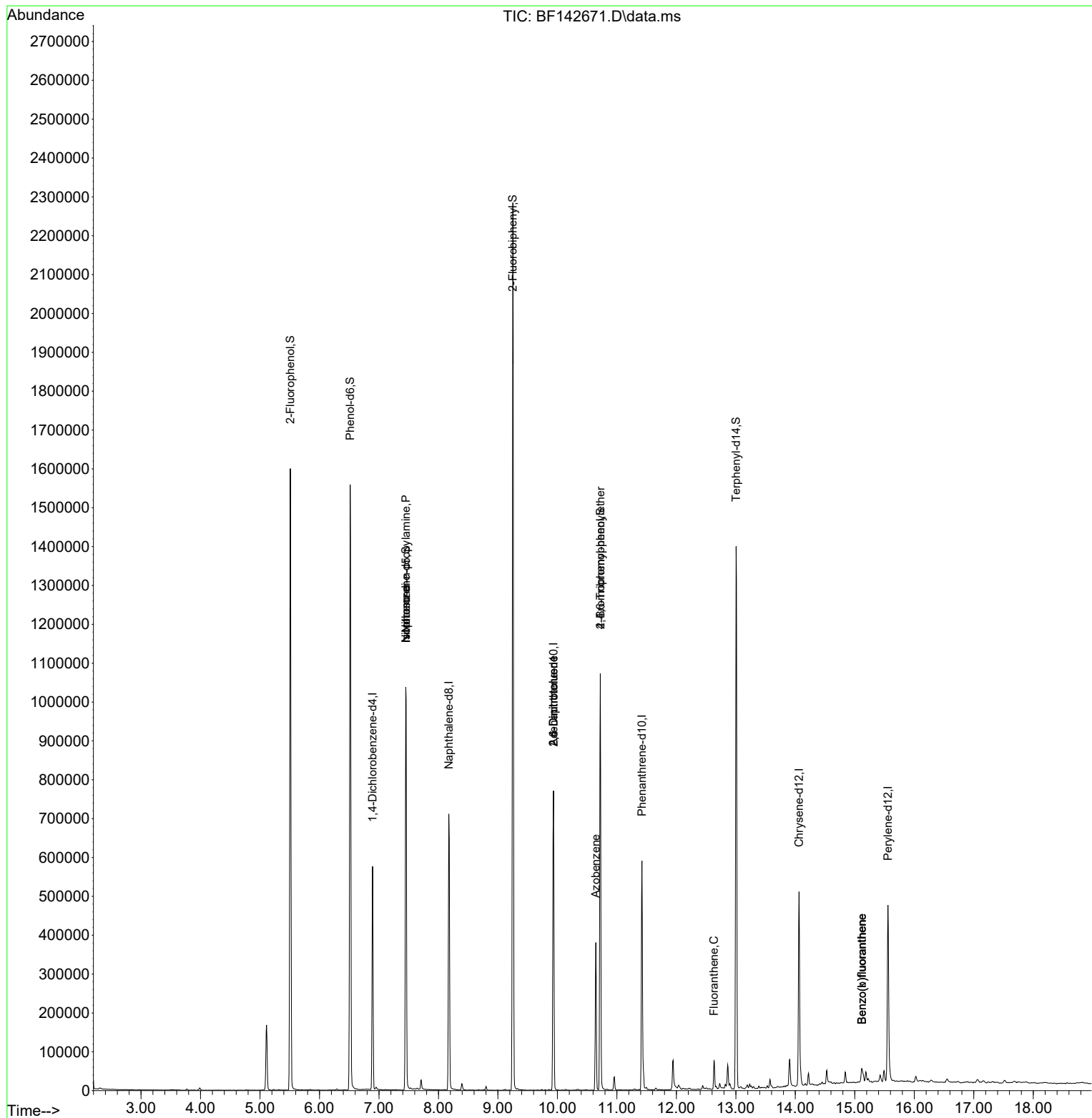
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.893	152	125012	20.000	ng	-0.01
21) Naphthalene-d8	8.175	136	466541	20.000	ng	-0.01
39) Acenaphthene-d10	9.934	164	232678	20.000	ng	-0.01
64) Phenanthrene-d10	11.422	188	307984	20.000	ng	-0.01
76) Chrysene-d12	14.063	240	240697	20.000	ng	-0.01
86) Perylene-d12	15.557	264	272610	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	616378	83.068	ng	0.00
7) Phenol-d6	6.516	99	763103	85.433	ng	-0.02
23) Nitrobenzene-d5	7.451	82	462122	54.012	ng	-0.02
42) 2,4,6-Tribromophenol	10.722	330	190465	73.754	ng	-0.02
45) 2-Fluorobiphenyl	9.251	172	1025738	59.155	ng	-0.02
79) Terphenyl-d14	13.004	244	706674	40.121	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.451	70	61693	11.144	ng	# 76
25) Isophorone	7.451	82	445701	31.157	ng	# 63
51) 2,6-Dinitrotoluene	9.934	165	28872	8.713	ng	# 27
57) 2,4-Dinitrotoluene	9.934	165	28872	6.672	ng	# 28
63) Azobenzene	10.645	77	88412	6.565	ng	# 1
67) 4-Bromophenyl-phenylether	10.722	248	11852	3.255	ng	# 1
75) Fluoranthene	12.633	202	44109	2.868	ng	98
88) Benzo(b)fluoranthene	15.121	252	33274	2.062	ng	# 92
89) Benzo(k)fluoranthene	15.121	252	33274	2.202	ng	# 92

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060625\
Data File : BF142671.D
Acq On : 07 Jun 2025 05:07
Operator : RC/JU
Sample : Q2176-05
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-28

Quant Time: Jun 07 05:51:44 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

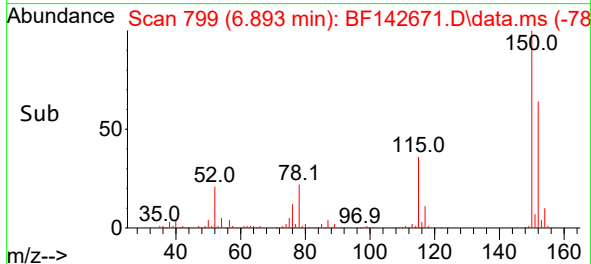
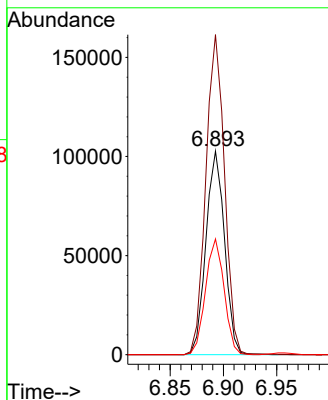
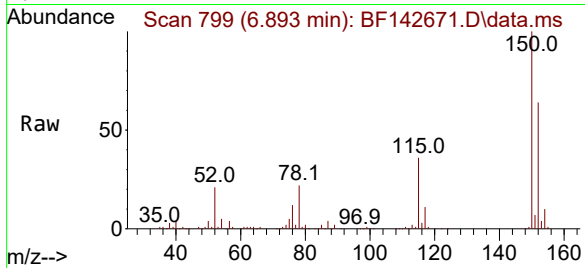




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.893 min Scan# 79
Delta R.T. -0.011 min
Lab File: BF142671.D
Acq: 07 Jun 2025 05:07

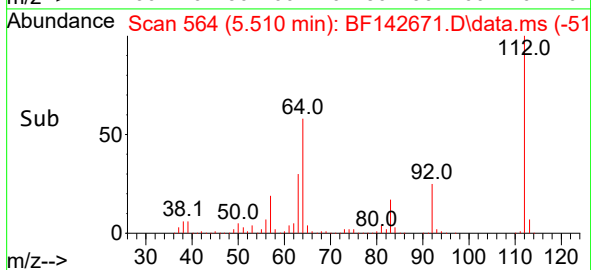
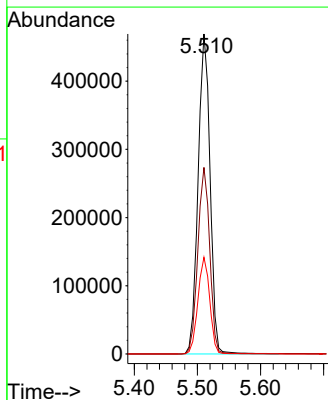
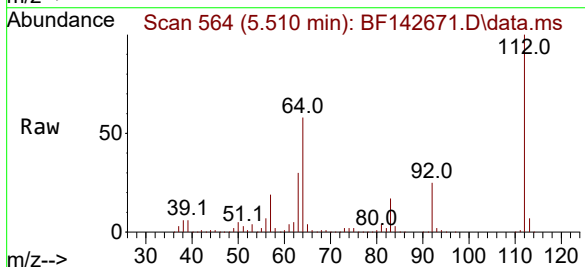
Instrument :
BNA_F
ClientSampleId :
TP-28

Tgt Ion:152 Resp: 125012
Ion Ratio Lower Upper
152 100
150 157.2 128.2 192.4
115 56.8 48.3 72.5



#5
2-Fluorophenol
Concen: 83.068 ng
RT: 5.510 min Scan# 564
Delta R.T. -0.006 min
Lab File: BF142671.D
Acq: 07 Jun 2025 05:07

Tgt Ion:112 Resp: 616378
Ion Ratio Lower Upper
112 100
64 58.3 47.5 71.3
63 30.2 24.9 37.3

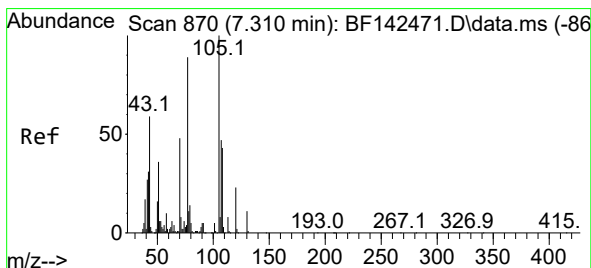
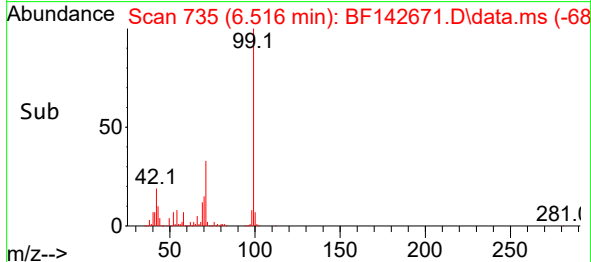
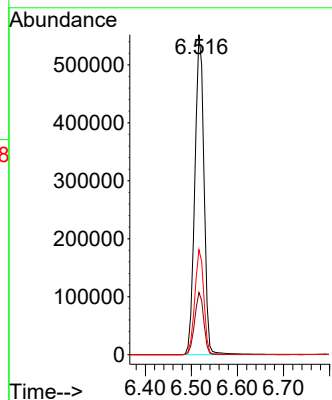
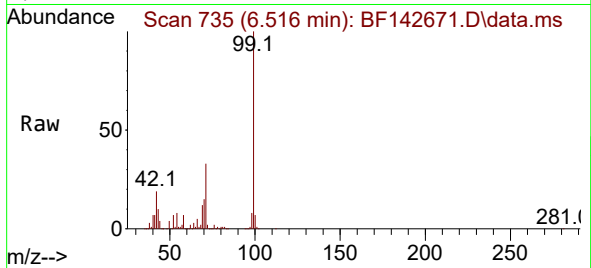




#7
Phenol-d6
Concen: 85.433 ng
RT: 6.516 min Scan# 71
Delta R.T. -0.017 min
Lab File: BF142671.D
Acq: 07 Jun 2025 05:07

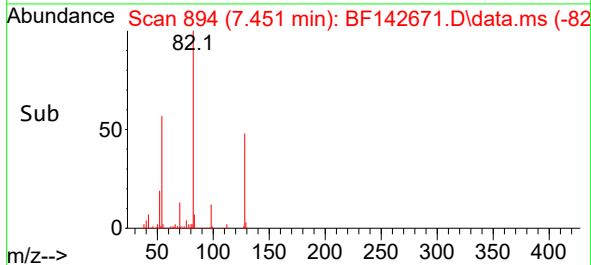
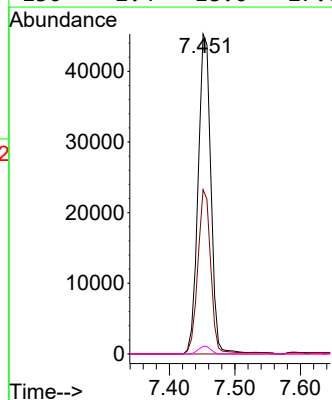
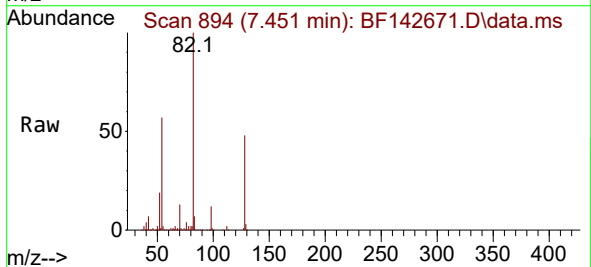
Instrument :
BNA_F
ClientSampleId :
TP-28

Tgt Ion: 99 Resp: 763103
Ion Ratio Lower Upper
99 100
42 19.4 16.2 24.2
71 32.8 27.3 40.9



#19
n-Nitroso-di-n-propylamine
Concen: 11.144 ng
RT: 7.451 min Scan# 894
Delta R.T. 0.124 min
Lab File: BF142671.D
Acq: 07 Jun 2025 05:07

Tgt Ion: 70 Resp: 61693
Ion Ratio Lower Upper
70 100
42 51.4 52.4 78.6#
101 0.0 7.8 11.8#
130 2.4 18.0 27.0#

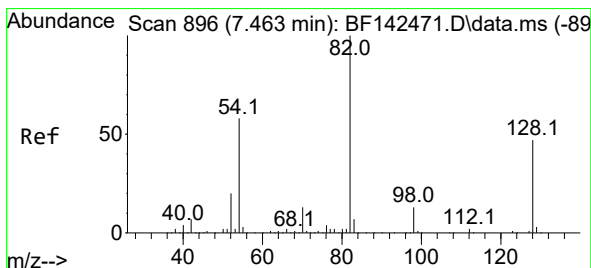
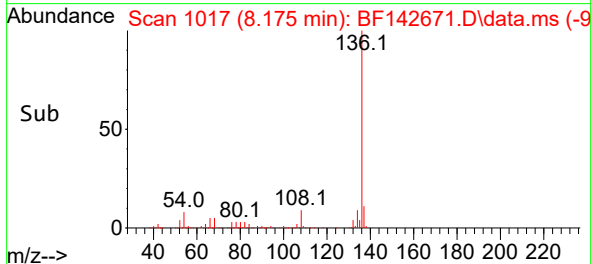
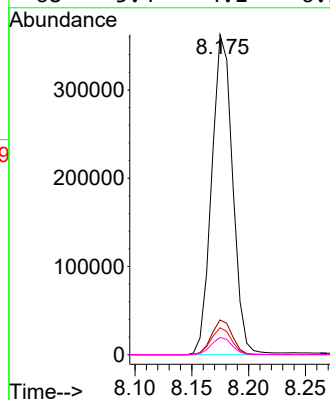
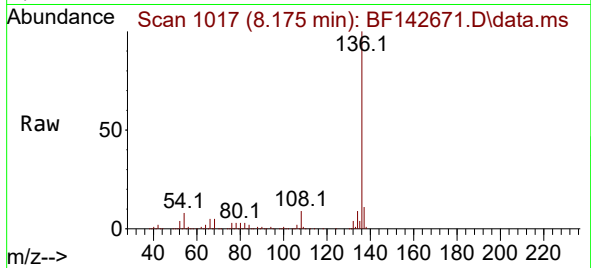




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.175 min Scan# 10
Delta R.T. -0.012 min
Lab File: BF142671.D
Acq: 07 Jun 2025 05:07

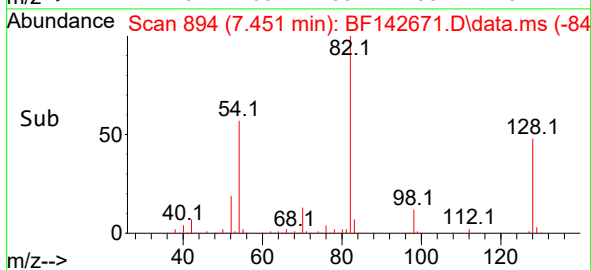
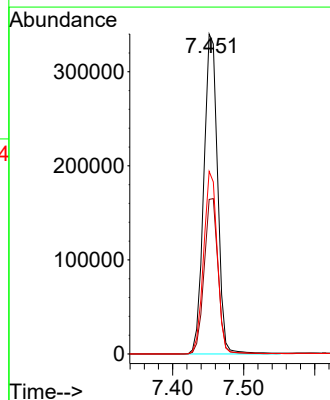
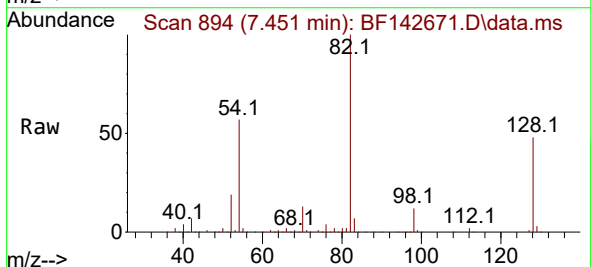
Instrument :
BNA_F
ClientSampleId :
TP-28

Tgt Ion:136 Resp: 466541
Ion Ratio Lower Upper
136 100
137 10.9 8.6 13.0
54 8.4 6.6 10.0
68 5.4 4.1 6.1



#23
Nitrobenzene-d5
Concen: 54.012 ng
RT: 7.451 min Scan# 894
Delta R.T. -0.023 min
Lab File: BF142671.D
Acq: 07 Jun 2025 05:07

Tgt Ion: 82 Resp: 462122
Ion Ratio Lower Upper
82 100
128 48.3 37.4 56.2
54 57.0 46.6 70.0

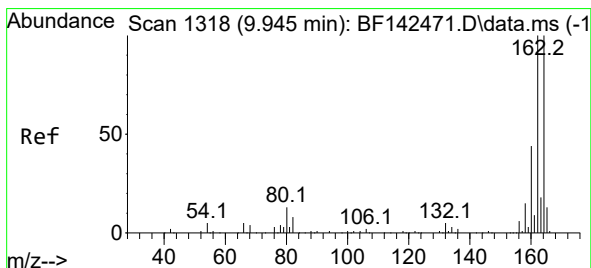
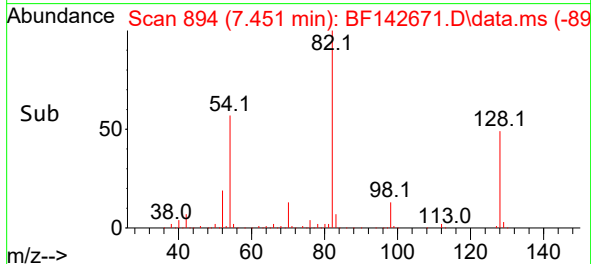
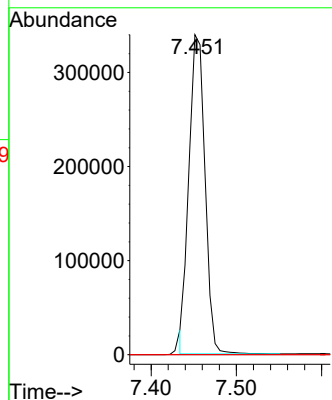
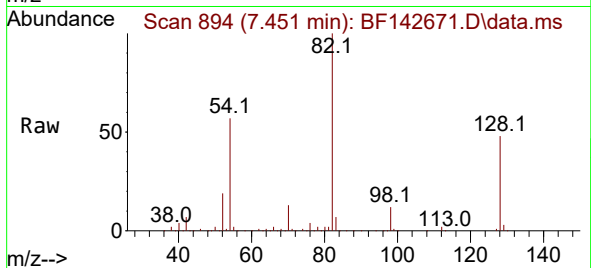




#25
Isophorone
Concen: 31.157 ng
RT: 7.451 min Scan# 894
Delta R.T. -0.282 min
Lab File: BF142671.D
Acq: 07 Jun 2025 05:07

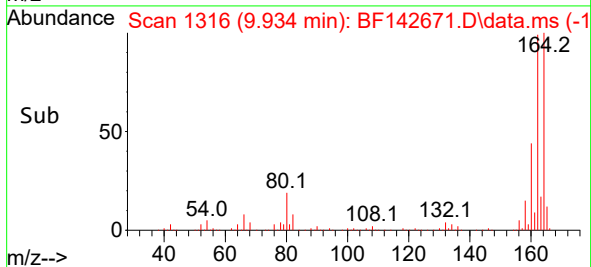
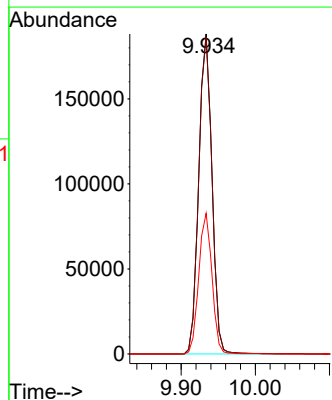
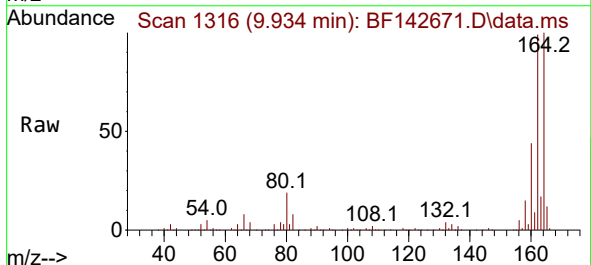
Instrument :
BNA_F
ClientSampleId :
TP-28

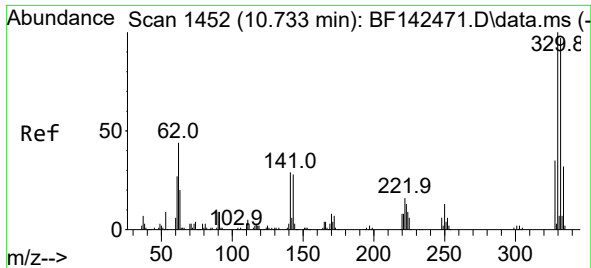
Tgt Ion: 82 Resp: 445701
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 15.5 23.3#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.934 min Scan# 1316
Delta R.T. -0.012 min
Lab File: BF142671.D
Acq: 07 Jun 2025 05:07

Tgt Ion:164 Resp: 232678
Ion Ratio Lower Upper
164 100
162 99.1 80.2 120.4
160 43.9 35.6 53.4

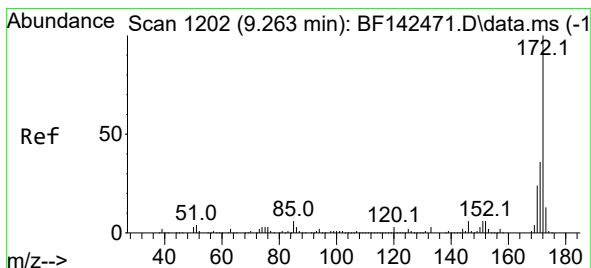
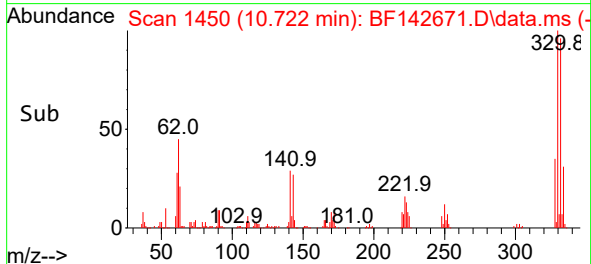
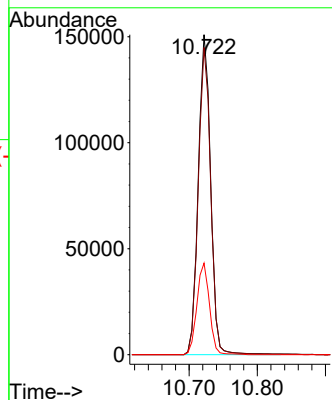
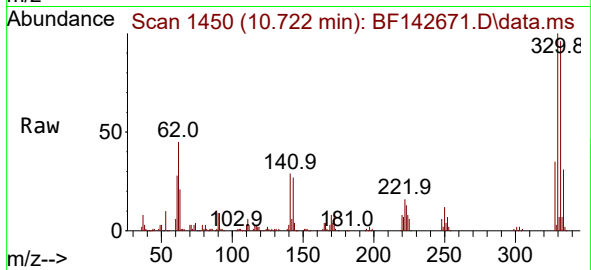




#42
 2,4,6-Tribromophenol
 Concen: 73.754 ng
 RT: 10.722 min Scan# 1452
 Delta R.T. -0.017 min
 Lab File: BF142671.D
 Acq: 07 Jun 2025 05:07

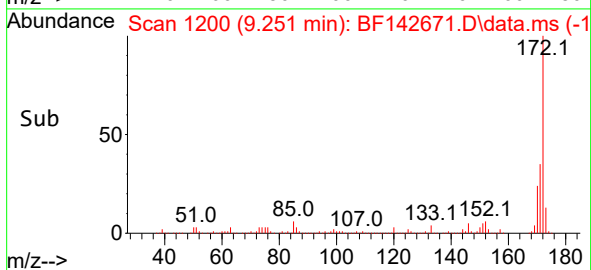
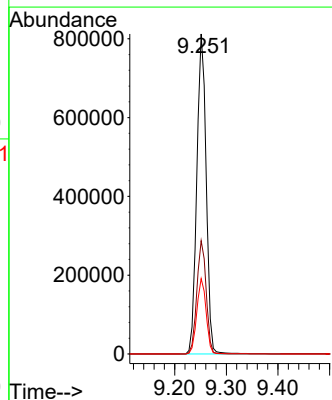
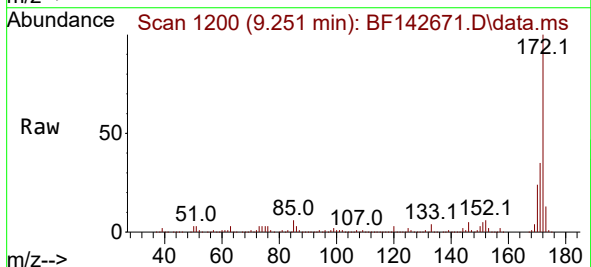
Instrument :
 BNA_F
 ClientSampleId :
 TP-28

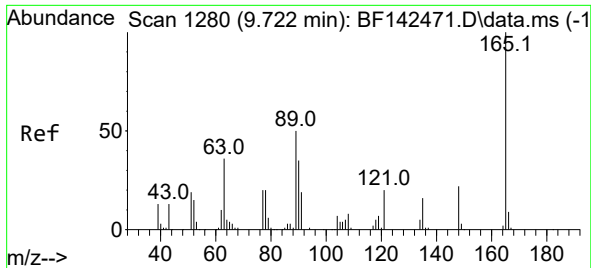
Tgt Ion: 330 Resp: 190465
 Ion Ratio Lower Upper
 330 100
 332 96.7 77.6 116.4
 141 28.9 24.6 36.8



#45
 2-Fluorobiphenyl
 Concen: 59.155 ng
 RT: 9.251 min Scan# 1200
 Delta R.T. -0.017 min
 Lab File: BF142671.D
 Acq: 07 Jun 2025 05:07

Tgt Ion: 172 Resp: 1025738
 Ion Ratio Lower Upper
 172 100
 171 35.4 28.6 42.8
 170 23.5 18.9 28.3

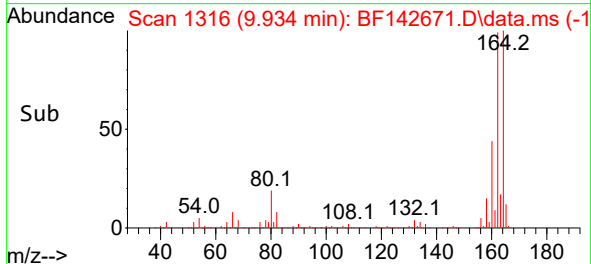
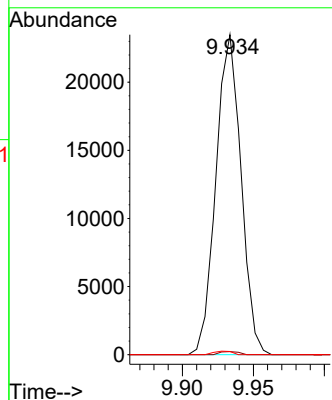
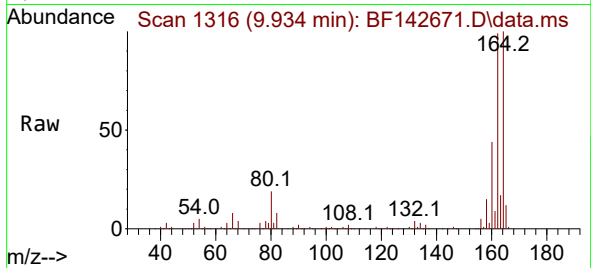




#51
2,6-Dinitrotoluene
Concen: 8.713 ng
RT: 9.934 min Scan# 11
Delta R.T. 0.206 min
Lab File: BF142671.D
Acq: 07 Jun 2025 05:07

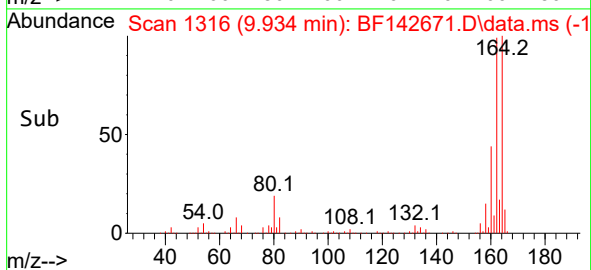
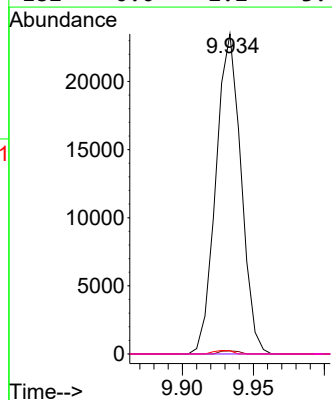
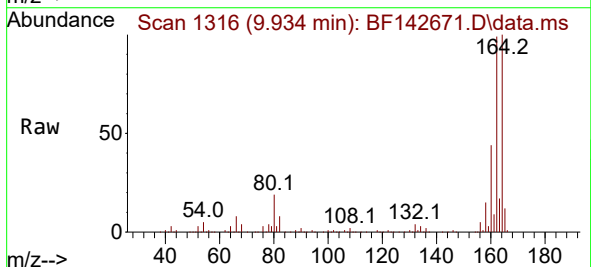
Instrument :
BNA_F
ClientSampleId :
TP-28

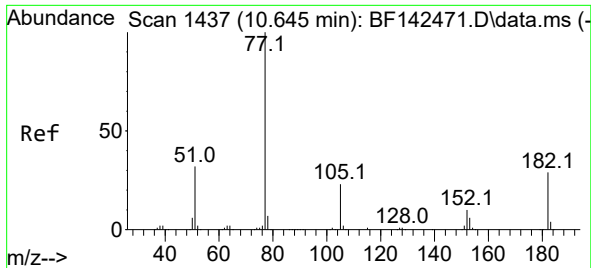
Tgt Ion:165 Resp: 28872
Ion Ratio Lower Upper
165 100
63 0.9 42.9 64.3#
89 1.0 40.2 60.4#



#57
2,4-Dinitrotoluene
Concen: 6.672 ng
RT: 9.934 min Scan# 1316
Delta R.T. -0.200 min
Lab File: BF142671.D
Acq: 07 Jun 2025 05:07

Tgt Ion:165 Resp: 28872
Ion Ratio Lower Upper
165 100
63 0.9 33.6 50.4#
89 1.0 50.2 75.4#
182 0.0 2.2 3.4#

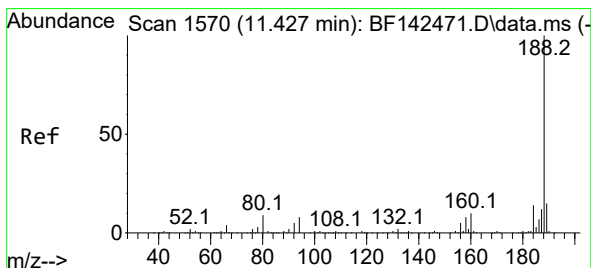
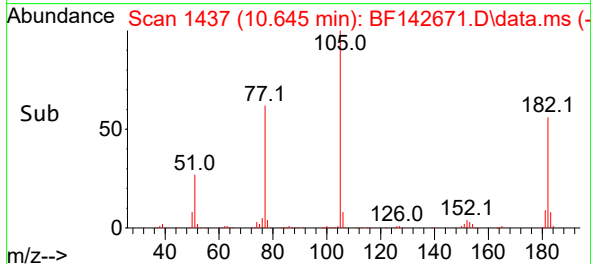
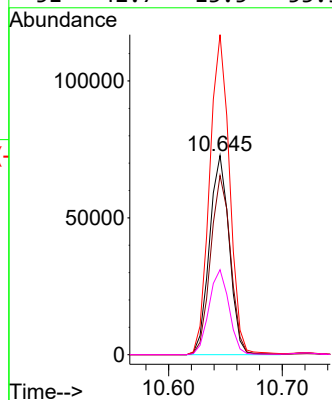
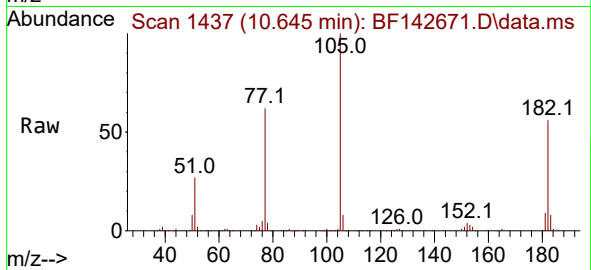




#63
Azobenzene
Concen: 6.565 ng
RT: 10.645 min Scan# 1437
Delta R.T. 0.000 min
Lab File: BF142671.D
Acq: 07 Jun 2025 05:07

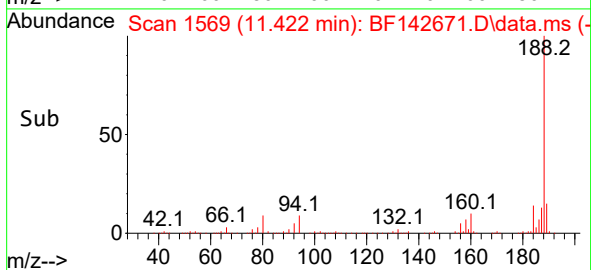
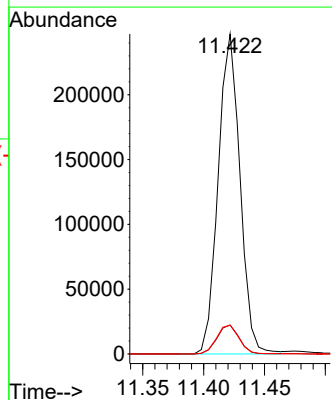
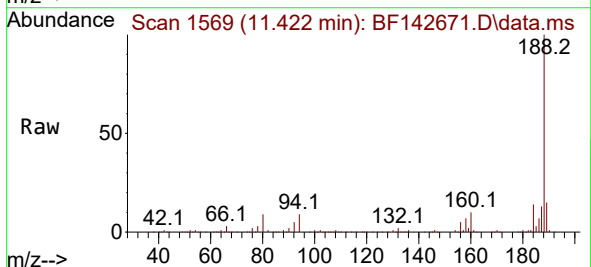
Instrument :
BNA_F
ClientSampleId :
TP-28

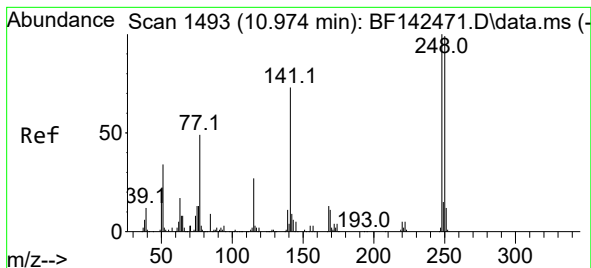
Tgt Ion: 77 Resp: 88412
Ion Ratio Lower Upper
77 100
182 90.0 9.0 49.0#
105 160.7 2.4 42.4#
51 42.7 13.5 53.5



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.422 min Scan# 1569
Delta R.T. -0.012 min
Lab File: BF142671.D
Acq: 07 Jun 2025 05:07

Tgt Ion:188 Resp: 307984
Ion Ratio Lower Upper
188 100
94 9.0 6.6 10.0
80 9.0 7.4 11.0

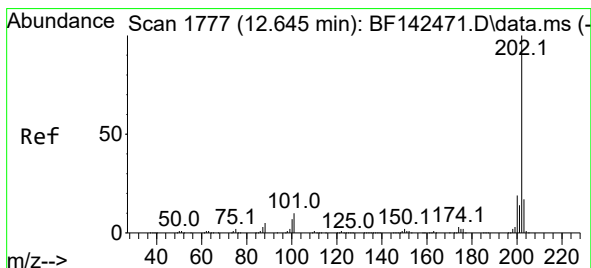
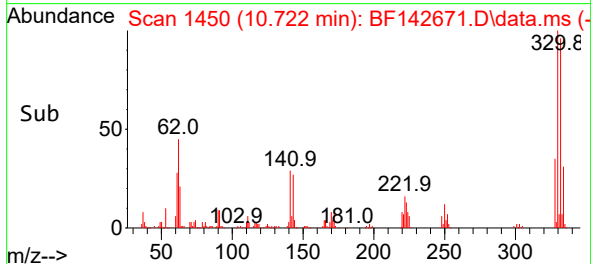
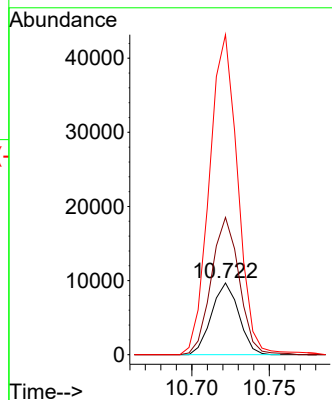
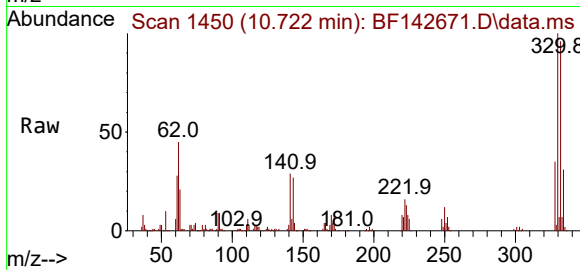




#67
4-Bromophenyl-phenylether
Concen: 3.255 ng
RT: 10.722 min Scan# 1493
Delta R.T. -0.253 min
Lab File: BF142671.D
Acq: 07 Jun 2025 05:07

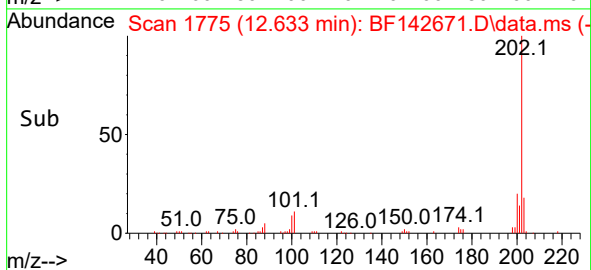
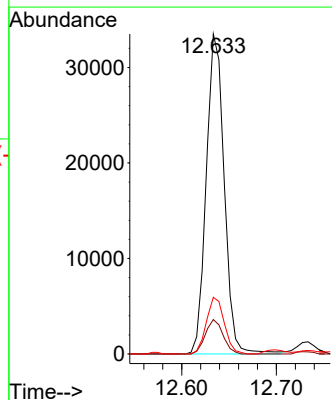
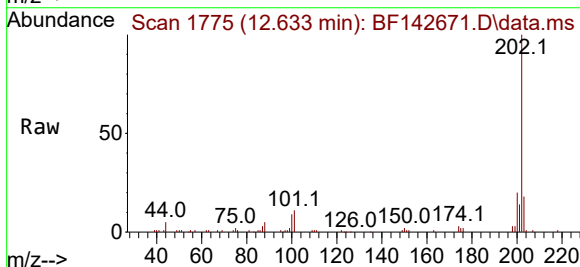
Instrument :
BNA_F
ClientSampleId :
TP-28

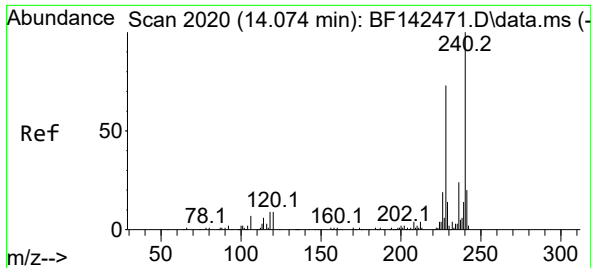
Tgt Ion:248 Resp: 11852
Ion Ratio Lower Upper
248 100
250 191.4 79.0 118.4#
141 446.0 58.4 87.6#



#75
Fluoranthene
Concen: 2.868 ng
RT: 12.633 min Scan# 1775
Delta R.T. -0.012 min
Lab File: BF142671.D
Acq: 07 Jun 2025 05:07

Tgt Ion:202 Resp: 44109
Ion Ratio Lower Upper
202 100
101 10.8 0.0 29.6
203 17.7 0.0 37.2

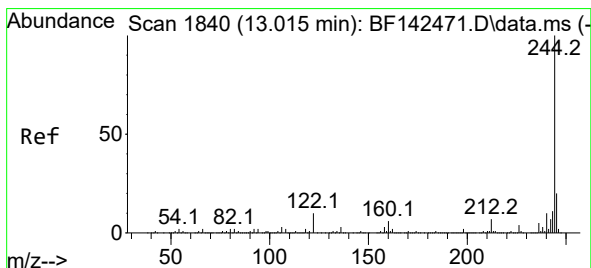
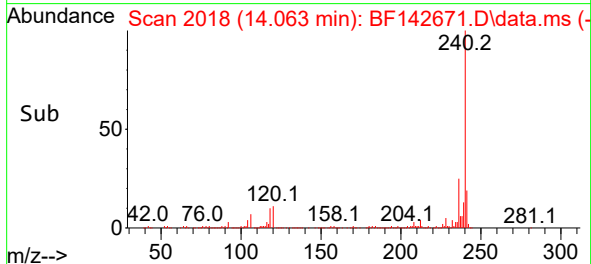
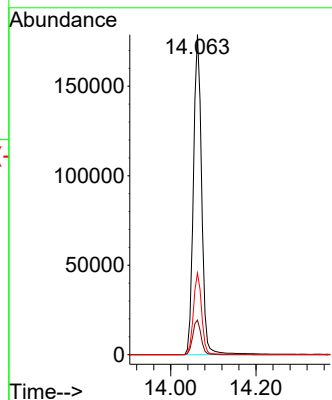
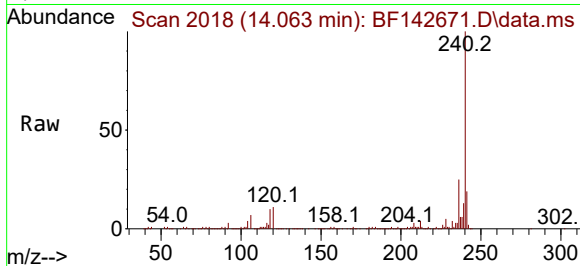




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.063 min Scan# 20
Delta R.T. -0.012 min
Lab File: BF142671.D
Acq: 07 Jun 2025 05:07

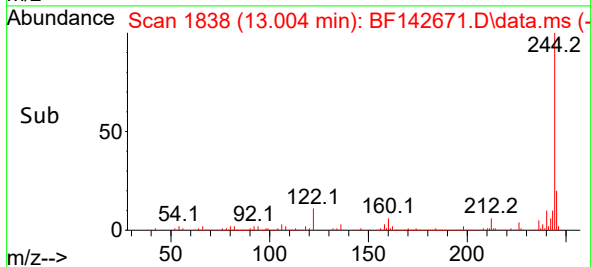
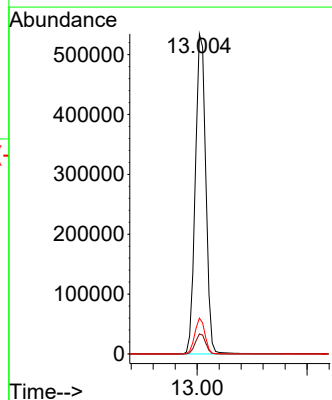
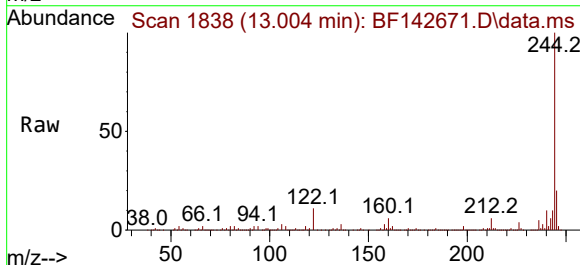
Instrument :
BNA_F
ClientSampleId :
TP-28

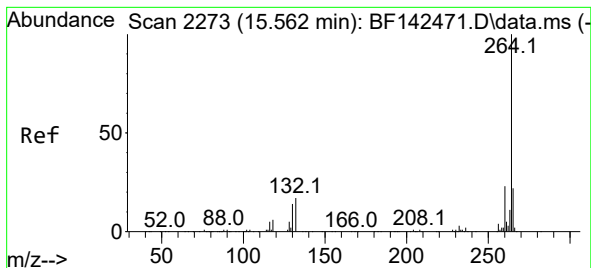
Tgt Ion:240 Resp: 240697
Ion Ratio Lower Upper
240 100
120 10.8 7.5 11.3
236 25.5 19.6 29.4



#79
Terphenyl-d14
Concen: 40.121 ng
RT: 13.004 min Scan# 1838
Delta R.T. -0.012 min
Lab File: BF142671.D
Acq: 07 Jun 2025 05:07

Tgt Ion:244 Resp: 706674
Ion Ratio Lower Upper
244 100
212 6.3 5.3 7.9
122 11.2 8.2 12.2





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.557 min Scan# 2198

Delta R.T. -0.012 min

Lab File: BF142671.D

Acq: 07 Jun 2025 05:07

Instrument :

BNA_F

ClientSampleId :

TP-28

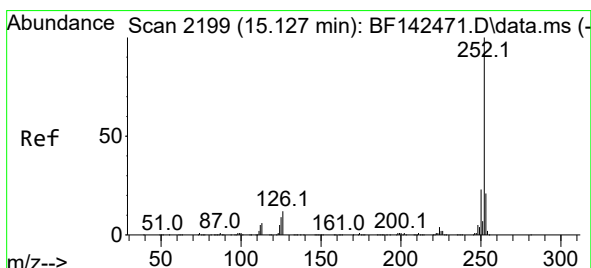
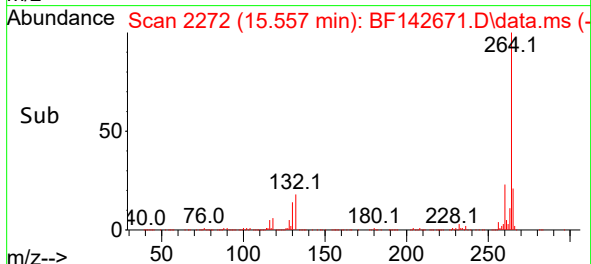
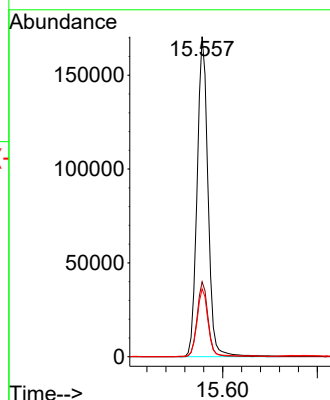
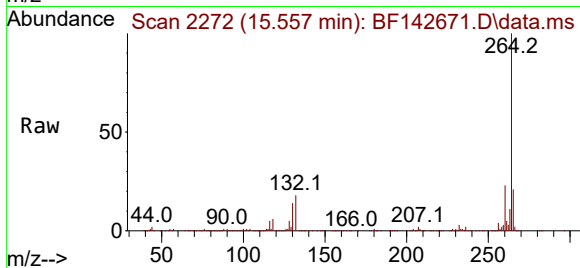
Tgt Ion:264 Resp: 272610

Ion Ratio Lower Upper

264 100

260 23.4 18.6 28.0

265 21.2 17.7 26.5



#88

Benzo(b)fluoranthene

Concen: 2.062 ng

RT: 15.121 min Scan# 2198

Delta R.T. -0.006 min

Lab File: BF142671.D

Acq: 07 Jun 2025 05:07

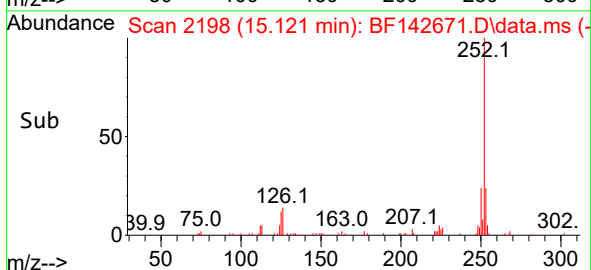
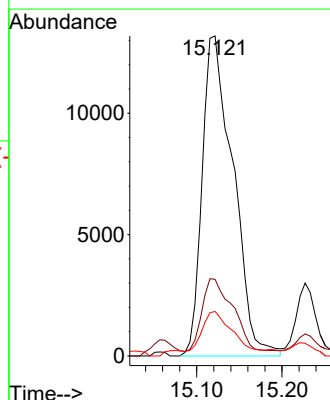
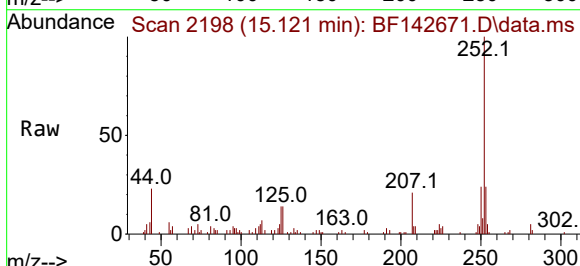
Tgt Ion:252 Resp: 33274

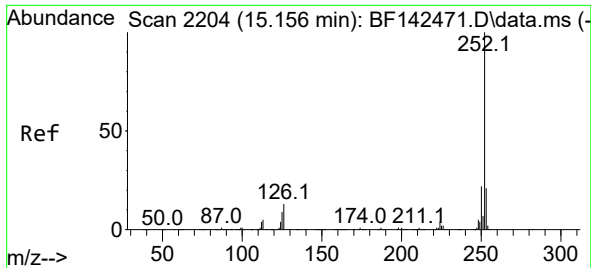
Ion Ratio Lower Upper

252 100

253 23.9 17.0 25.4

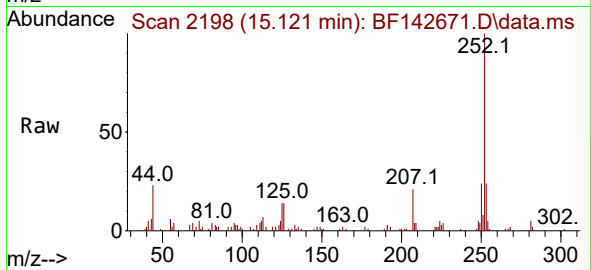
125 13.9 7.4 11.0#





#89
 Benzo(k)fluoranthene
 Concen: 2.202 ng
 RT: 15.121 min Scan# 21
 Delta R.T. -0.041 min
 Lab File: BF142671.D
 Acq: 07 Jun 2025 05:07

Instrument :
 BNA_F
 ClientSampleId :
 TP-28



Tgt Ion:252 Resp: 33274
 Ion Ratio Lower Upper
 252 100
 253 23.9 17.0 25.4
 125 13.9 7.3 10.9#

