

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070225\
 Data File : BF142976.D
 Acq On : 02 Jul 2025 17:49
 Operator : RC/JU
 Sample : Q2459-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-1

Quant Time: Jul 02 18:14:23 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 24 05:28:21 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

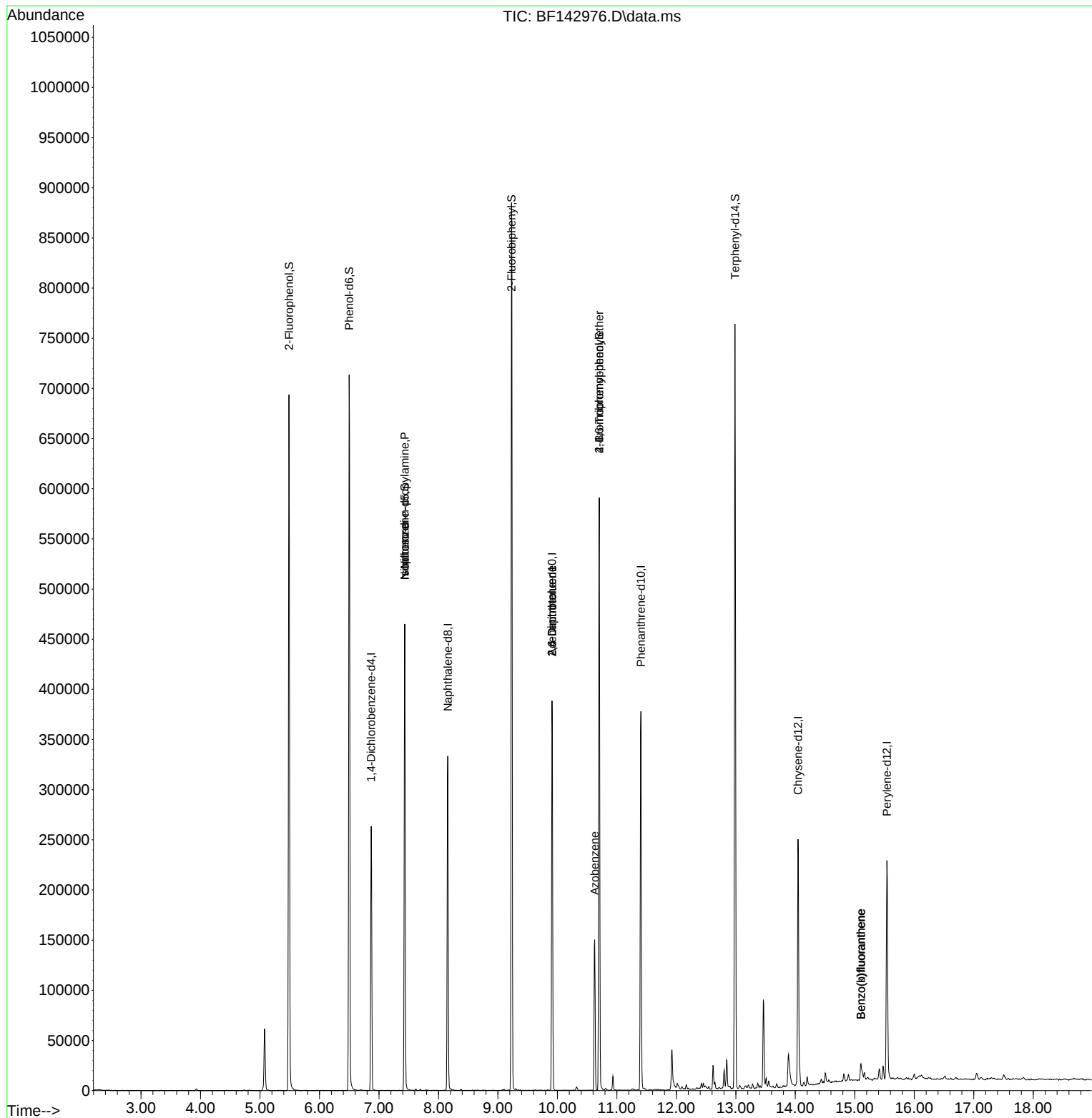
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	57323	20.000	ng	-0.01
21) Naphthalene-d8	8.157	136	219008	20.000	ng	-0.01
39) Acenaphthene-d10	9.910	164	118529	20.000	ng	-0.01
64) Phenanthrene-d10	11.404	188	202238	20.000	ng	0.00
76) Chrysene-d12	14.045	240	115664	20.000	ng	-0.01
86) Perylene-d12	15.539	264	125471	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	266435	77.385	ng	0.00
7) Phenol-d6	6.498	99	330073	81.258	ng	-0.01
23) Nitrobenzene-d5	7.434	82	193183	48.383	ng	-0.01
42) 2,4,6-Tribromophenol	10.704	330	100461	82.362	ng	-0.01
45) 2-Fluorobiphenyl	9.228	172	399665	44.295	ng	-0.02
79) Terphenyl-d14	12.986	244	367565	43.909	ng	-0.01
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.434	70	26256	11.114	ng	# 75
25) Isophorone	7.434	82	191929	29.965	ng	# 62
51) 2,6-Dinitrotoluene	9.910	165	15363	9.118	ng	# 26
57) 2,4-Dinitrotoluene	9.910	165	15363	6.864	ng	# 26
63) Azobenzene	10.627	77	36328	5.403	ng	# 1
67) 4-Bromophenyl-phenylether	10.704	248	6532	2.838	ng	# 1
88) Benzo(b)fluoranthene	15.104	252	14717	2.027	ng	# 91
89) Benzo(k)fluoranthene	15.104	252	14717	2.167	ng	# 91

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

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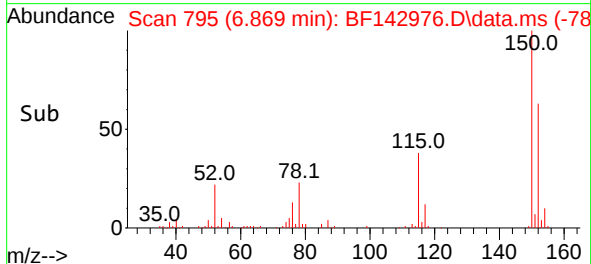
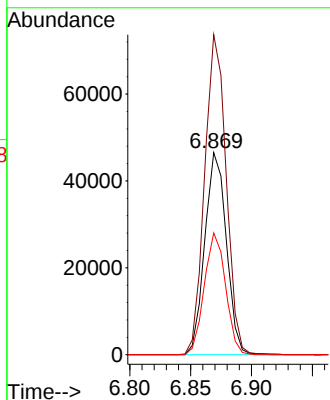
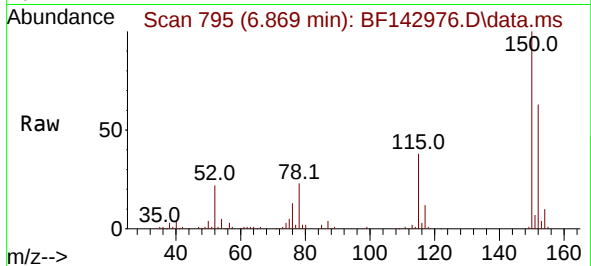




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.869 min Scan# 797
 Delta R.T. -0.012 min
 Lab File: BF142976.D
 Acq: 02 Jul 2025 17:49

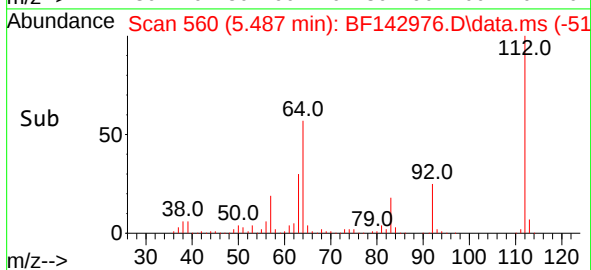
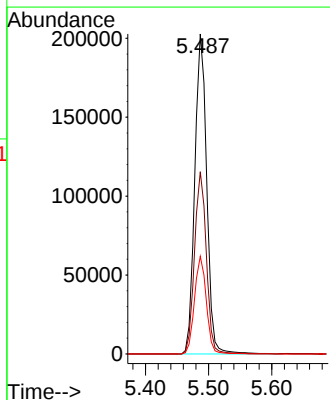
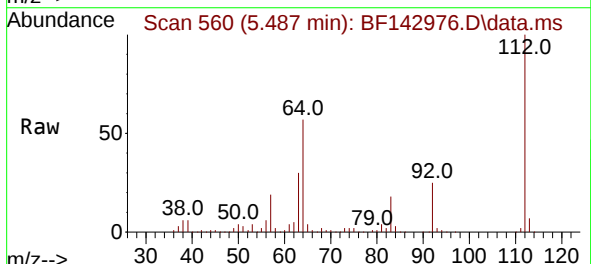
Instrument :
 BNA_F
 ClientSampleId :
 TP-1

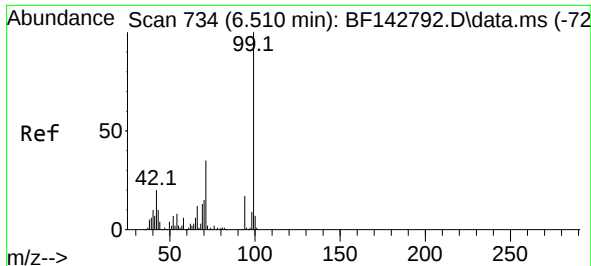
Tgt Ion:152 Resp: 57323
 Ion Ratio Lower Upper
 152 100
 150 158.4 127.2 190.8
 115 60.3 46.6 69.8



#5
 2-Fluorophenol
 Concen: 77.385 ng
 RT: 5.487 min Scan# 560
 Delta R.T. -0.005 min
 Lab File: BF142976.D
 Acq: 02 Jul 2025 17:49

Tgt Ion:112 Resp: 266435
 Ion Ratio Lower Upper
 112 100
 64 57.0 48.2 72.2
 63 30.5 25.7 38.5





#7

Phenol-d6

Concen: 81.258 ng

RT: 6.498 min Scan# 71

Delta R.T. -0.012 min

Lab File: BF142976.D

Acq: 02 Jul 2025 17:49

Instrument :

BNA_F

ClientSampleId :

TP-1

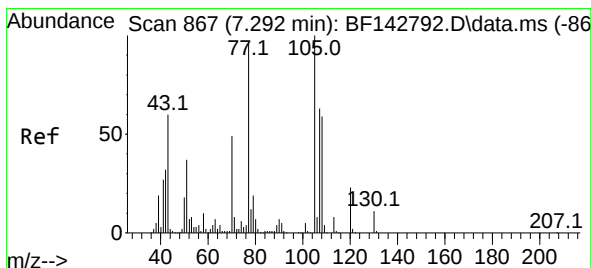
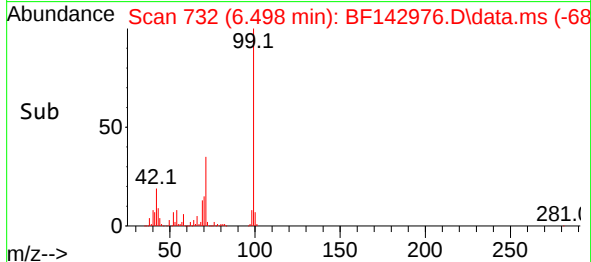
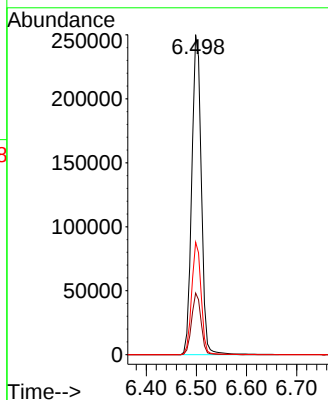
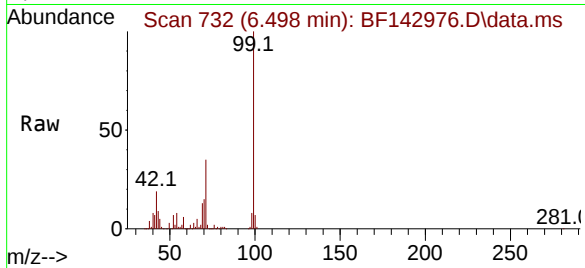
Tgt Ion: 99 Resp: 330073

Ion Ratio Lower Upper

99 100

42 19.2 15.9 23.9

71 35.2 27.8 41.8



#19

n-Nitroso-di-n-propylamine

Concen: 11.114 ng

RT: 7.434 min Scan# 891

Delta R.T. 0.141 min

Lab File: BF142976.D

Acq: 02 Jul 2025 17:49

Tgt Ion: 70 Resp: 26256

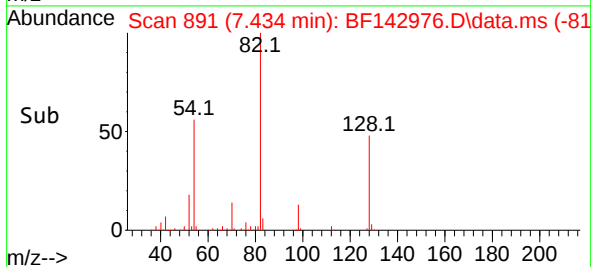
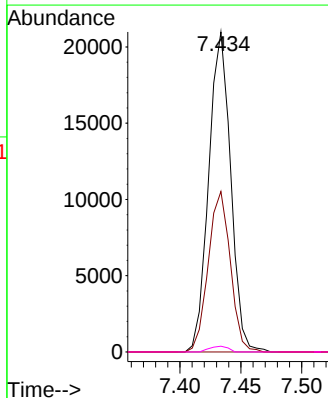
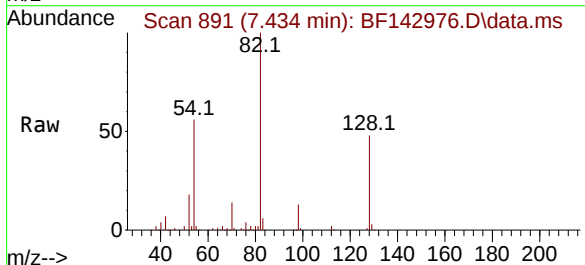
Ion Ratio Lower Upper

70 100

42 50.1 52.1 78.1#

101 0.0 8.2 12.2#

130 1.8 18.2 27.2#



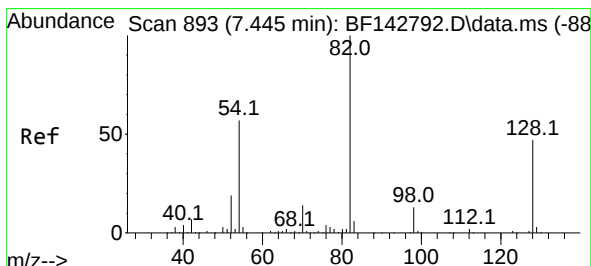
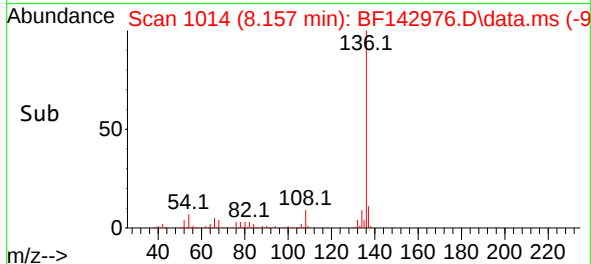
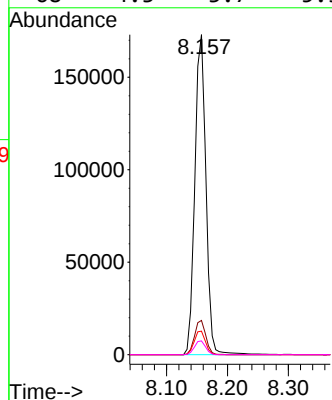
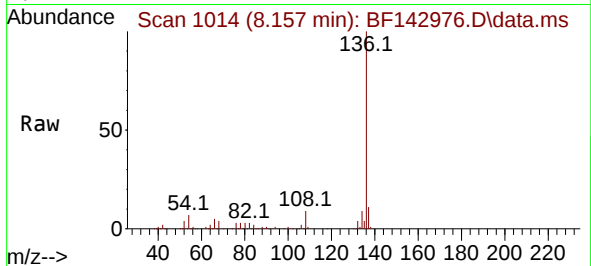


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1014
Delta R.T. -0.012 min
Lab File: BF142976.D
Acq: 02 Jul 2025 17:49

Instrument :
BNA_F
ClientSampleId :
TP-1

Tgt Ion:136 Resp: 219008

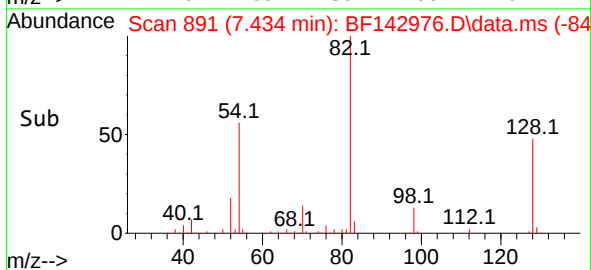
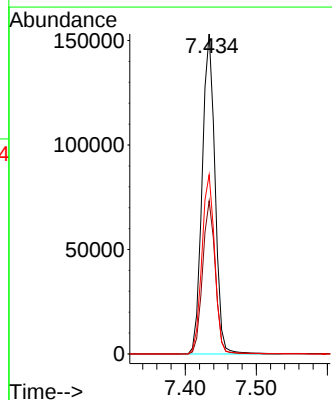
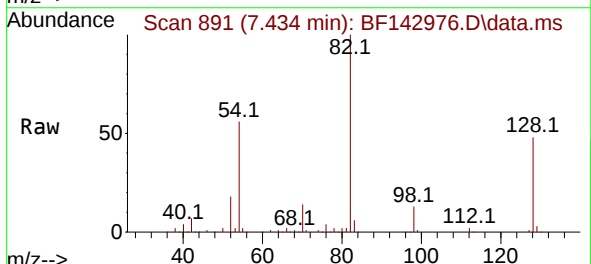
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.4	12.6
54	7.4	6.3	9.5
68	4.3	3.7	5.5

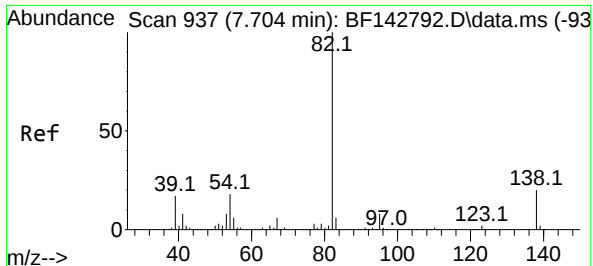


#23
Nitrobenzene-d5
Concen: 48.383 ng
RT: 7.434 min Scan# 891
Delta R.T. -0.011 min
Lab File: BF142976.D
Acq: 02 Jul 2025 17:49

Tgt Ion: 82 Resp: 193183

Ion	Ratio	Lower	Upper
82	100		
128	47.8	37.7	56.5
54	56.0	45.7	68.5

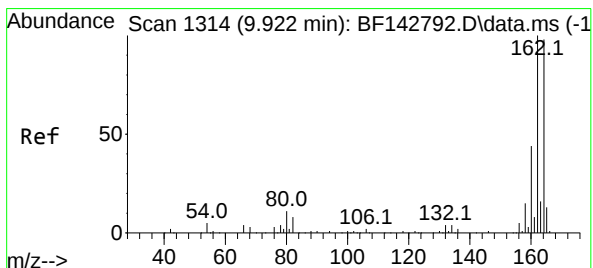
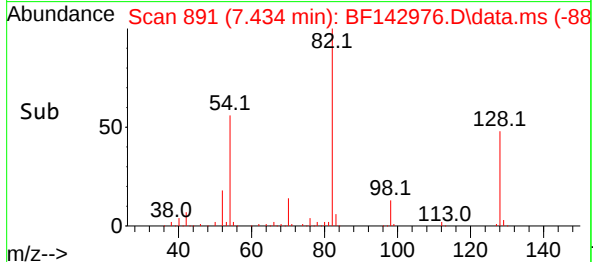
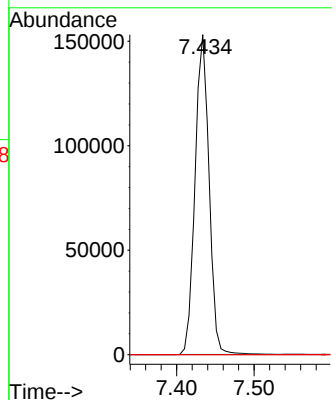
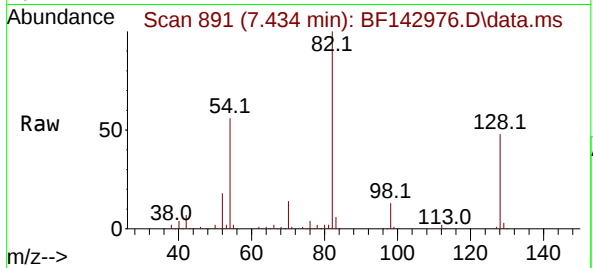




#25
Isophorone
Concen: 29.965 ng
RT: 7.434 min Scan# 891
Delta R.T. -0.271 min
Lab File: BF142976.D
Acq: 02 Jul 2025 17:49

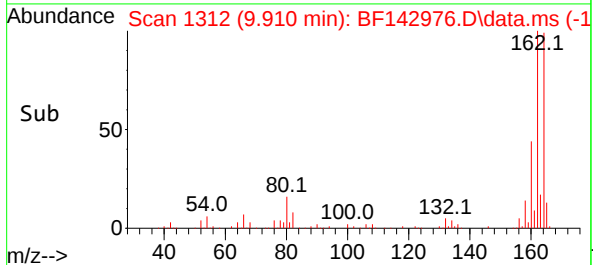
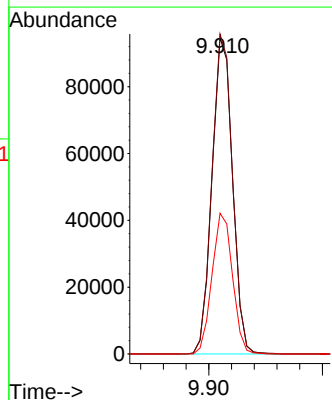
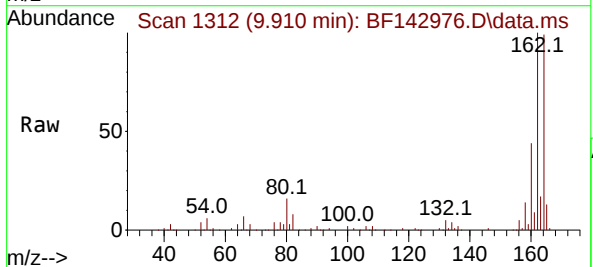
Instrument :
BNA_F
ClientSampleId :
TP-1

Tgt Ion: 82 Resp: 191929
Ion Ratio Lower Upper
82 100
95 0.0 6.2 9.2#
138 0.0 16.2 24.4#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.910 min Scan# 1312
Delta R.T. -0.012 min
Lab File: BF142976.D
Acq: 02 Jul 2025 17:49

Tgt Ion:164 Resp: 118529
Ion Ratio Lower Upper
164 100
162 101.2 81.8 122.8
160 44.5 36.0 54.0

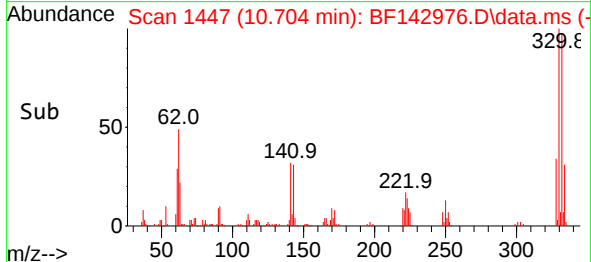
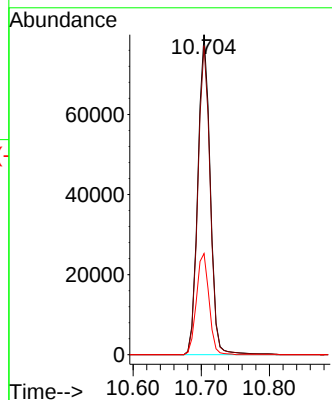
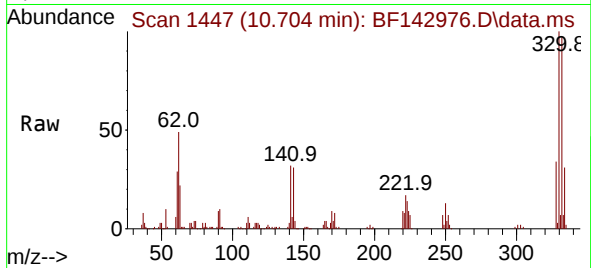




#42
2,4,6-Tribromophenol
Concen: 82.362 ng
RT: 10.704 min Scan# 1447
Delta R.T. -0.012 min
Lab File: BF142976.D
Acq: 02 Jul 2025 17:49

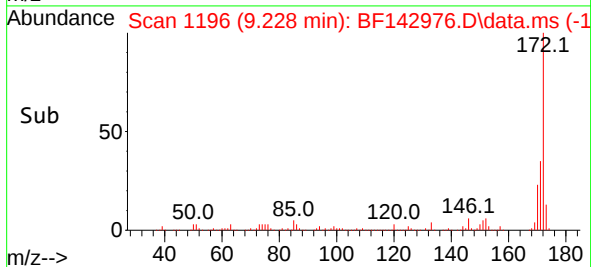
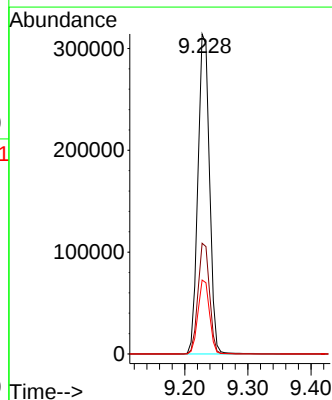
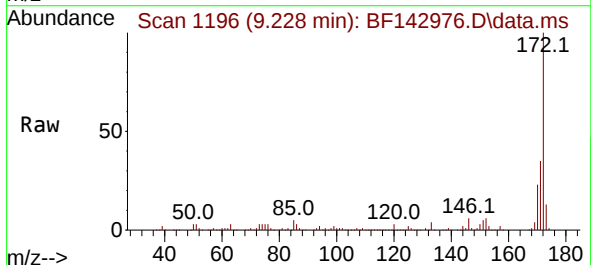
Instrument :
BNA_F
ClientSampleId :
TP-1

Tgt Ion:330 Resp: 100461
Ion Ratio Lower Upper
330 100
332 96.1 75.0 112.6
141 32.1 25.3 37.9



#45
2-Fluorobiphenyl
Concen: 44.295 ng
RT: 9.228 min Scan# 1196
Delta R.T. -0.017 min
Lab File: BF142976.D
Acq: 02 Jul 2025 17:49

Tgt Ion:172 Resp: 399665
Ion Ratio Lower Upper
172 100
171 34.6 28.2 42.4
170 23.1 18.5 27.7

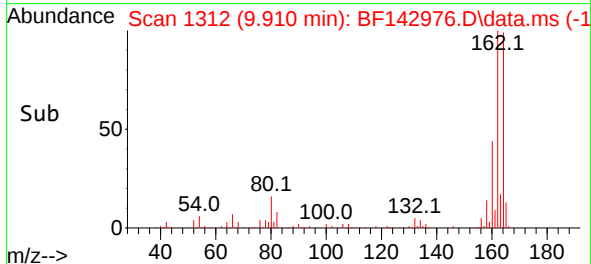
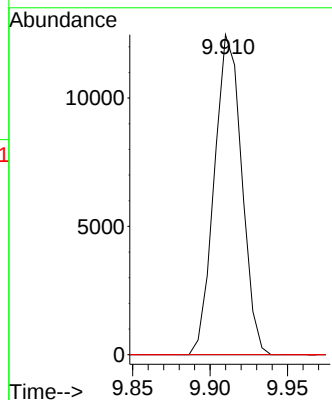
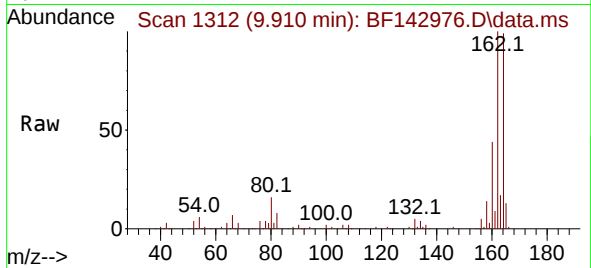




#51
2,6-Dinitrotoluene
Concen: 9.118 ng
RT: 9.910 min Scan# 11
Delta R.T. 0.206 min
Lab File: BF142976.D
Acq: 02 Jul 2025 17:49

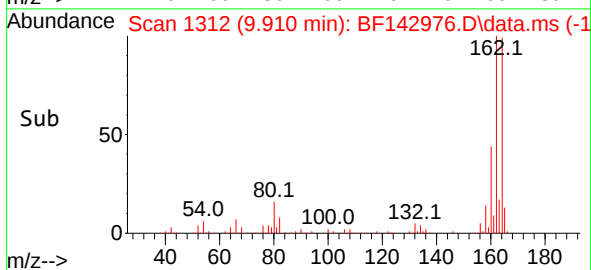
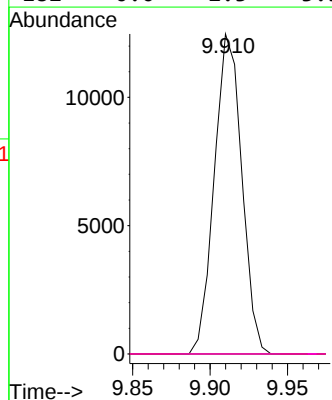
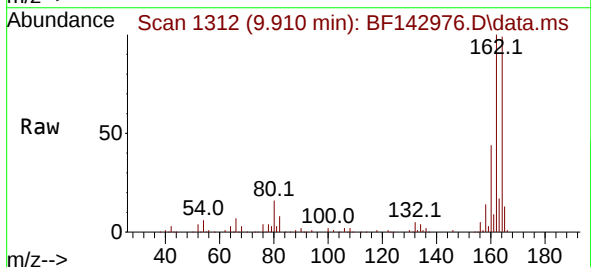
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ClientSampleId :
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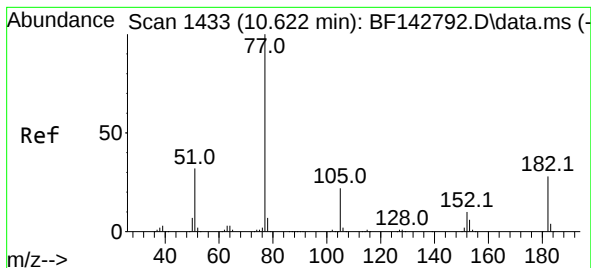
Tgt Ion:165 Resp: 15363
Ion Ratio Lower Upper
165 100
63 0.0 44.2 66.4#
89 0.0 39.8 59.8#



#57
2,4-Dinitrotoluene
Concen: 6.864 ng
RT: 9.910 min Scan# 1312
Delta R.T. -0.200 min
Lab File: BF142976.D
Acq: 02 Jul 2025 17:49

Tgt Ion:165 Resp: 15363
Ion Ratio Lower Upper
165 100
63 0.0 33.9 50.9#
89 0.0 50.6 75.8#
182 0.0 2.3 3.5#





#63

Azobenzene

Concen: 5.403 ng

RT: 10.627 min Scan# 1433

Delta R.T. 0.006 min

Lab File: BF142976.D

Acq: 02 Jul 2025 17:49

Instrument :

BNA_F

ClientSampleId :

TP-1

Tgt Ion: 77 Resp: 36328

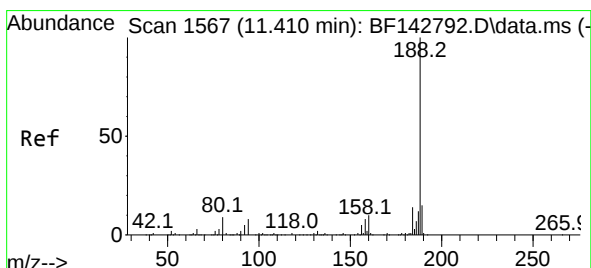
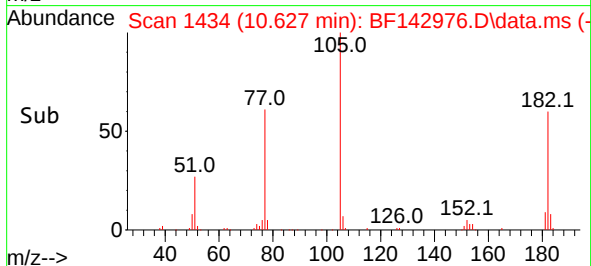
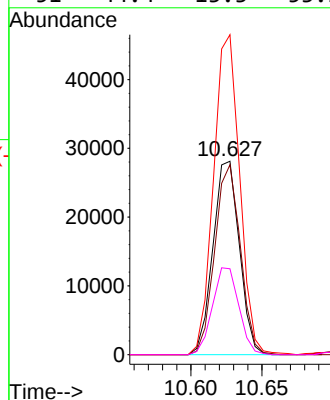
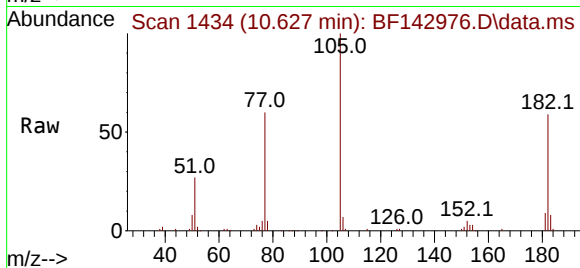
Ion Ratio Lower Upper

77 100

182 98.2 7.7 47.7#

105 165.4 1.9 41.9#

51 44.4 13.3 53.3



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.404 min Scan# 1566

Delta R.T. -0.006 min

Lab File: BF142976.D

Acq: 02 Jul 2025 17:49

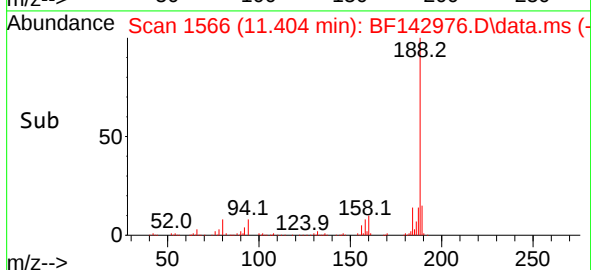
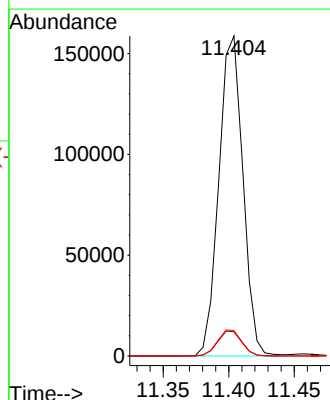
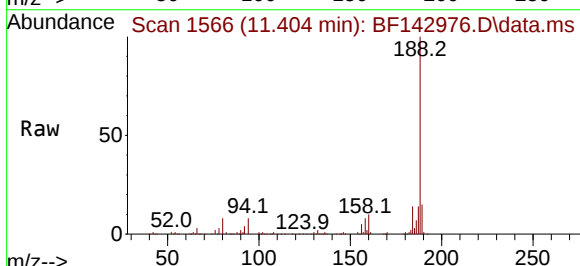
Tgt Ion:188 Resp: 202238

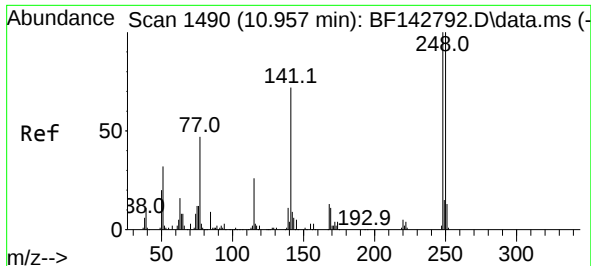
Ion Ratio Lower Upper

188 100

94 7.6 6.7 10.1

80 7.9 6.9 10.3

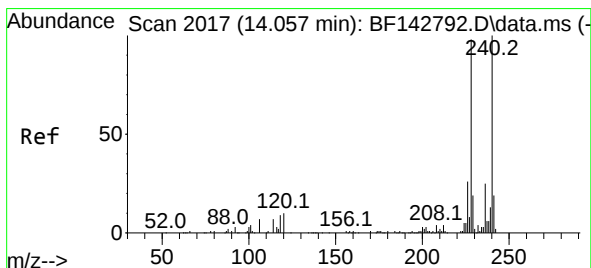
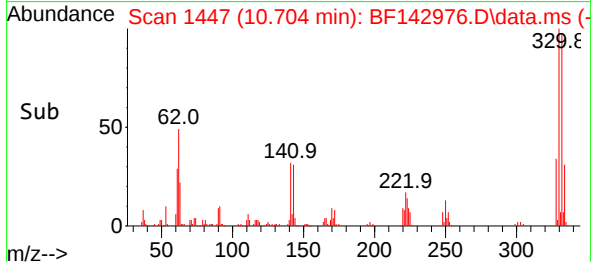
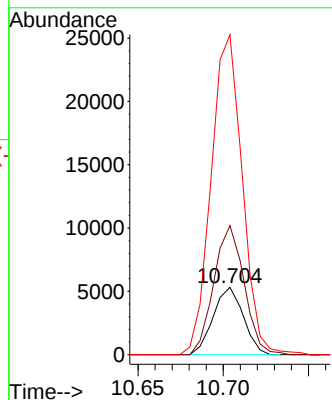
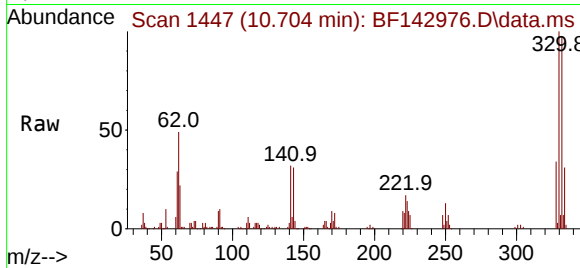




#67
4-Bromophenyl-phenylether
Concen: 2.838 ng
RT: 10.704 min Scan# 14
Delta R.T. -0.253 min
Lab File: BF142976.D
Acq: 02 Jul 2025 17:49

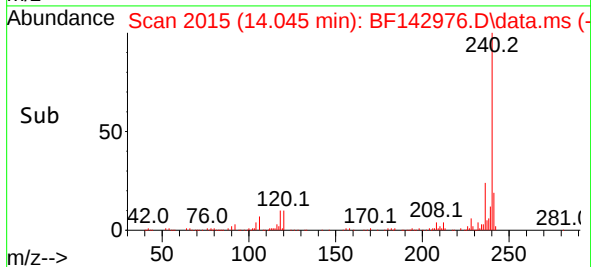
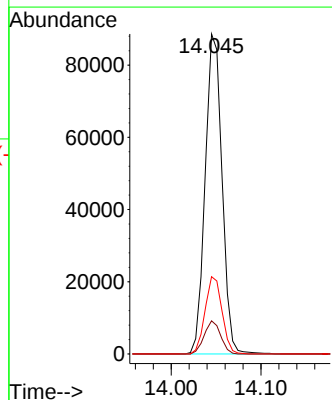
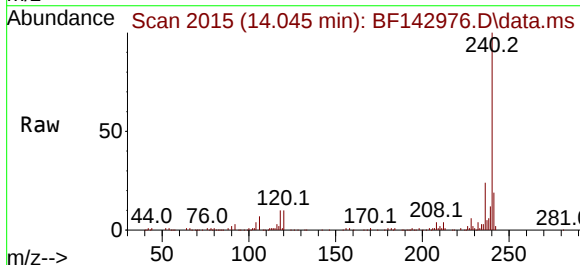
Instrument :
BNA_F
ClientSampleId :
TP-1

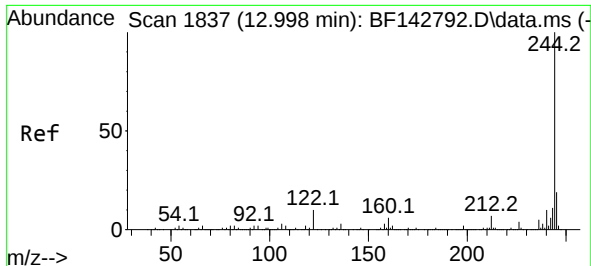
Tgt Ion:248 Resp: 6532
Ion Ratio Lower Upper
248 100
250 191.9 79.8 119.8#
141 475.5 57.8 86.6#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 2015
Delta R.T. -0.012 min
Lab File: BF142976.D
Acq: 02 Jul 2025 17:49

Tgt Ion:240 Resp: 115664
Ion Ratio Lower Upper
240 100
120 10.3 8.2 12.2
236 24.2 19.8 29.8

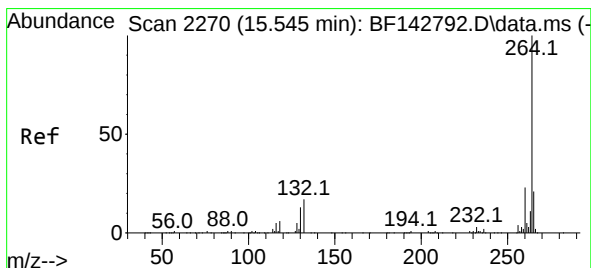
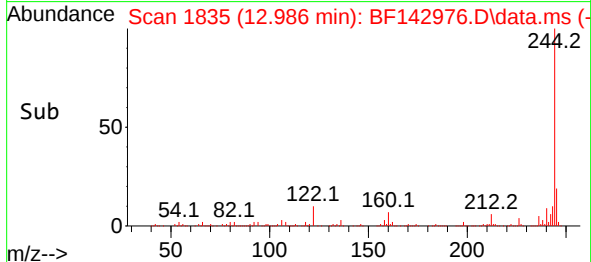
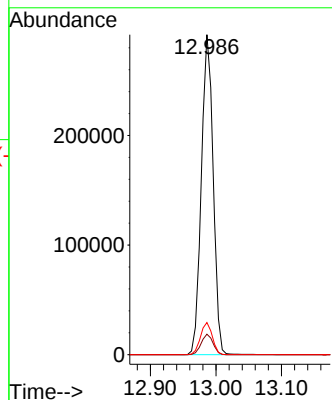
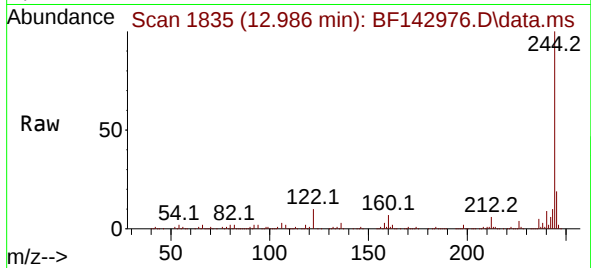




#79
 Terphenyl-d14
 Concen: 43.909 ng
 RT: 12.986 min Scan# 1835
 Delta R.T. -0.012 min
 Lab File: BF142976.D
 Acq: 02 Jul 2025 17:49

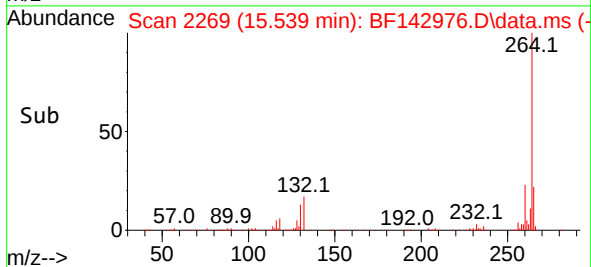
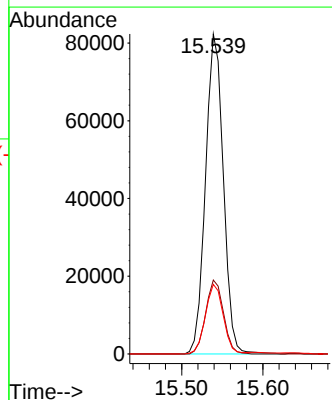
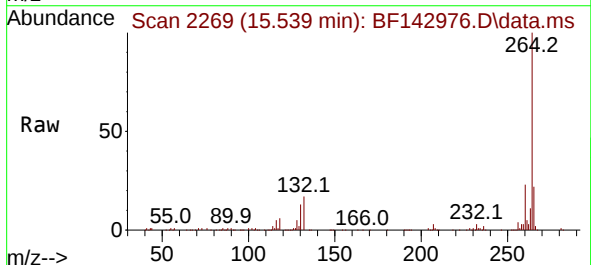
Instrument :
 BNA_F
 ClientSampleId :
 TP-1

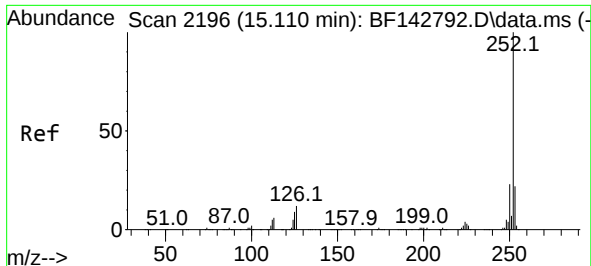
Tgt Ion:244 Resp: 367565
 Ion Ratio Lower Upper
 244 100
 212 6.4 5.4 8.0
 122 10.1 8.2 12.2



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.539 min Scan# 2269
 Delta R.T. -0.006 min
 Lab File: BF142976.D
 Acq: 02 Jul 2025 17:49

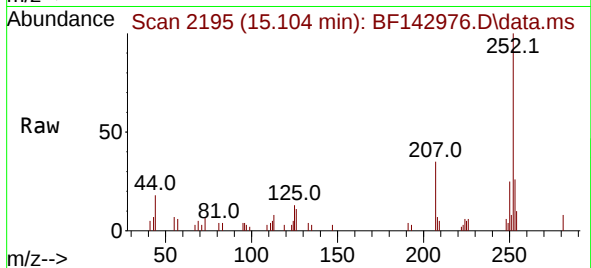
Tgt Ion:264 Resp: 125471
 Ion Ratio Lower Upper
 264 100
 260 23.1 18.1 27.1
 265 21.8 16.6 25.0



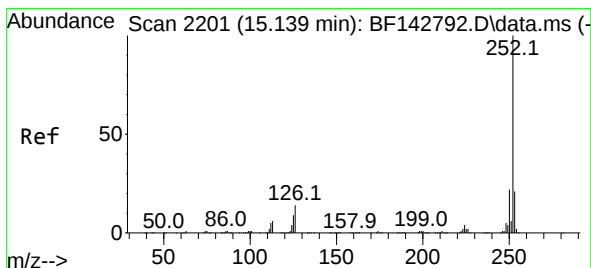
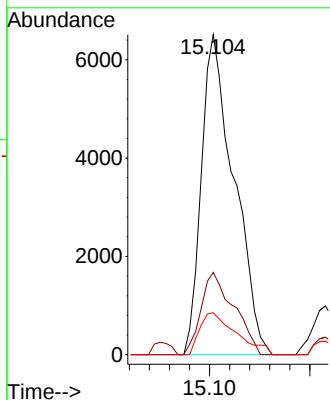
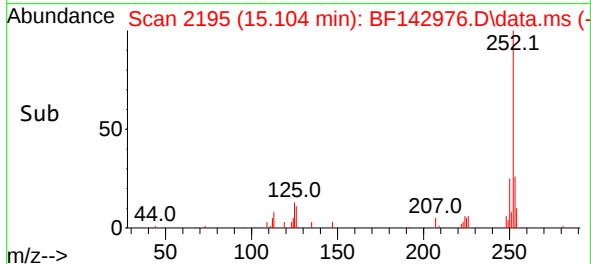


#88
Benzo(b)fluoranthene
Concen: 2.027 ng
RT: 15.104 min Scan# 2195
Delta R.T. -0.006 min
Lab File: BF142976.D
Acq: 02 Jul 2025 17:49

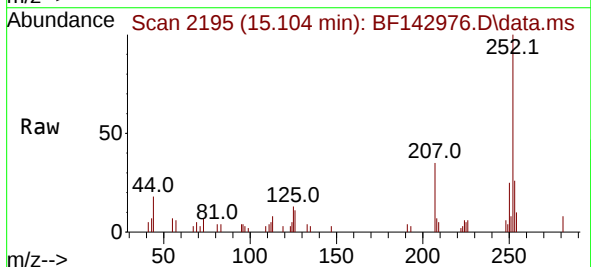
Instrument :
BNA_F
ClientSampleId :
TP-1



Tgt Ion:252 Resp: 14717
Ion Ratio Lower Upper
252 100
253 25.7 17.5 26.3
125 13.1 7.4 11.0#



#89
Benzo(k)fluoranthene
Concen: 2.167 ng
RT: 15.104 min Scan# 2195
Delta R.T. -0.035 min
Lab File: BF142976.D
Acq: 02 Jul 2025 17:49



Tgt Ion:252 Resp: 14717
Ion Ratio Lower Upper
252 100
253 25.7 17.2 25.8
125 13.1 7.4 11.2#

