

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062725\
 Data File : BF142890.D
 Acq On : 27 Jun 2025 13:48
 Operator : RC/JU
 Sample : Q2413-03
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-77

Quant Time: Jun 27 14:13:24 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)

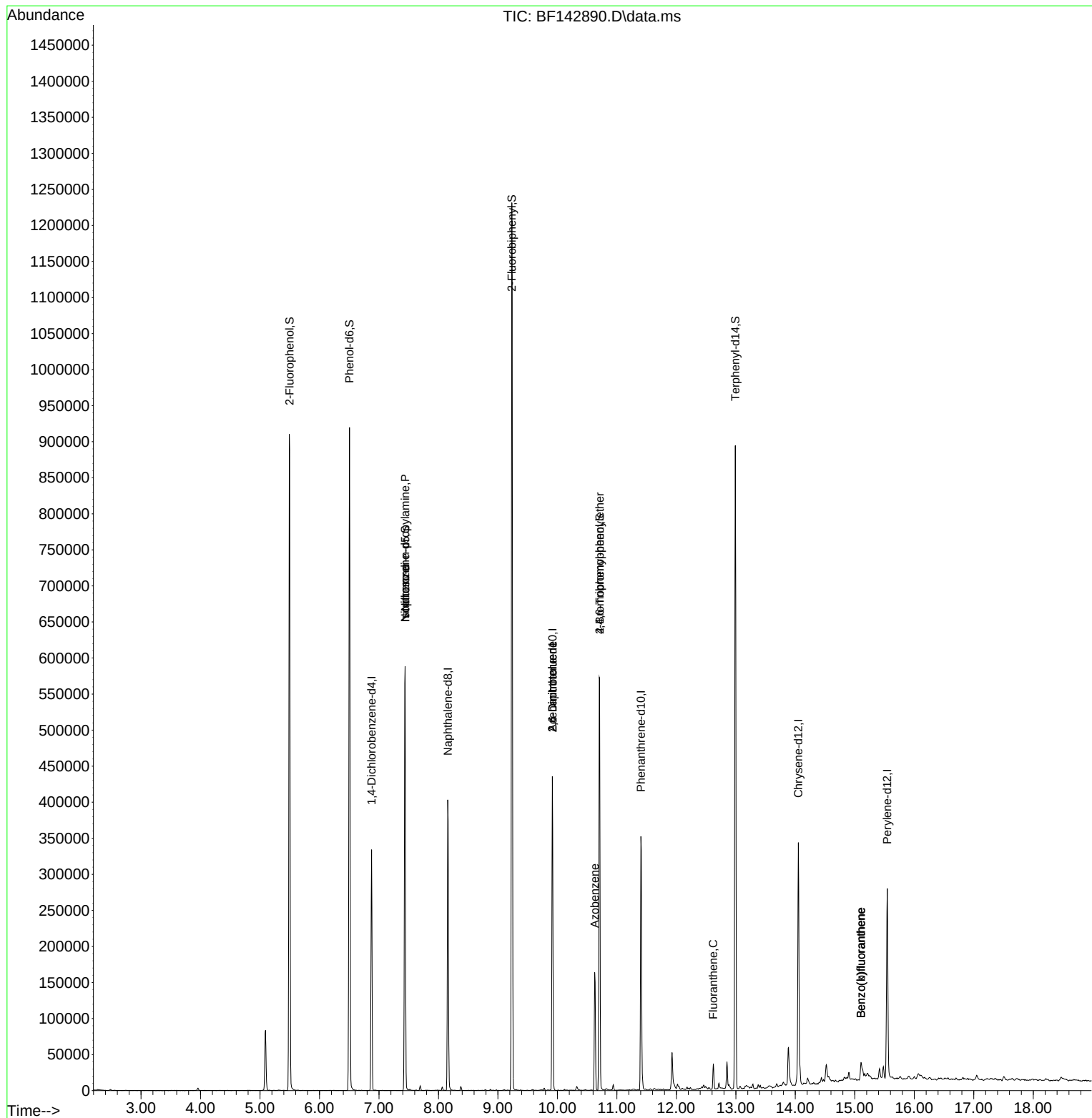
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	71725	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	266677	20.000	ng	-0.01
39) Acenaphthene-d10	9.916	164	131150	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	189644	20.000	ng	0.00
76) Chrysene-d12	14.051	240	153845	20.000	ng	0.00
86) Perylene-d12	15.545	264	153297	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.499	112	357655	83.021	ng	0.00
7) Phenol-d6	6.504	99	421280	82.887	ng	0.00
23) Nitrobenzene-d5	7.440	82	255919	52.638	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	99559	73.768	ng	0.00
45) 2-Fluorobiphenyl	9.234	172	550592	55.150	ng	-0.01
79) Terphenyl-d14	12.992	244	426892	38.340	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.440	70	34700	11.739	ng	# 74
25) Isophorone	7.440	82	255915	32.813	ng	# 62
51) 2,6-Dinitrotoluene	9.916	165	16566	8.886	ng	# 26
57) 2,4-Dinitrotoluene	9.916	165	16566	6.690	ng	# 27
63) Azobenzene	10.628	77	39254	5.276	ng	# 1
67) 4-Bromophenyl-phenylether	10.710	248	6582	3.050	ng	# 1
75) Fluoranthene	12.622	202	20300	2.082	ng	100
88) Benzo(b)fluoranthene	15.104	252	20537	2.315	ng	# 94
89) Benzo(k)fluoranthene	15.104	252	20537	2.475	ng	# 93

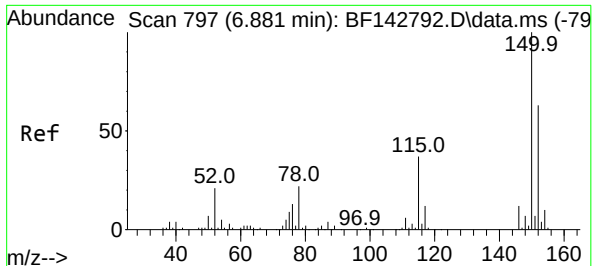
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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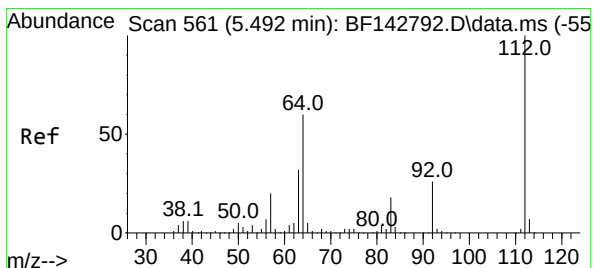
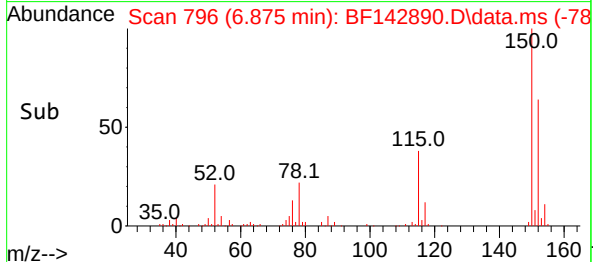
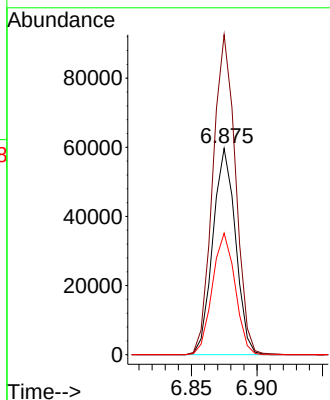
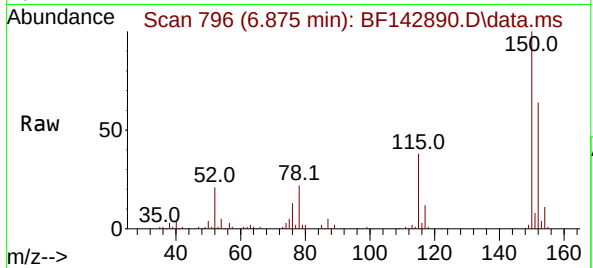




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.875 min Scan# 797
 Delta R.T. -0.006 min
 Lab File: BF142890.D
 Acq: 27 Jun 2025 13:48

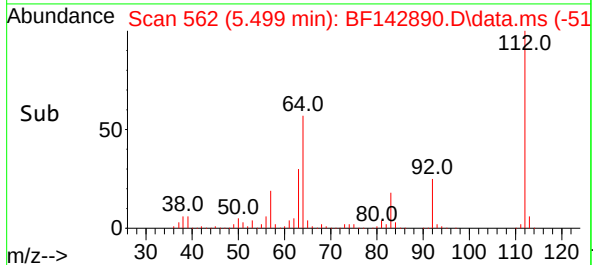
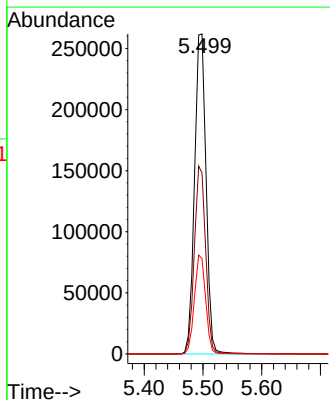
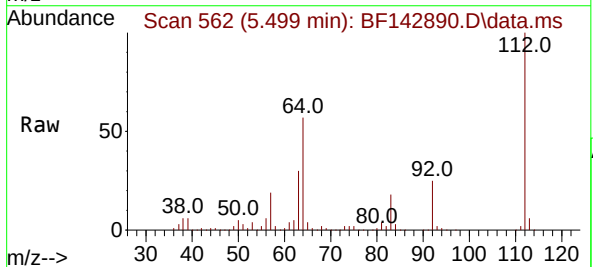
Instrument :
 BNA_F
 ClientSampleId :
 TP-77

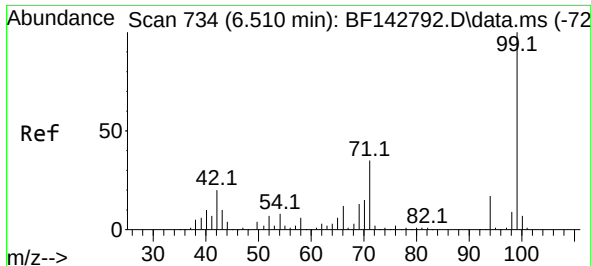
Tgt Ion:152 Resp: 71725
 Ion Ratio Lower Upper
 152 100
 150 155.1 127.2 190.8
 115 58.8 46.6 69.8



#5
 2-Fluorophenol
 Concen: 83.021 ng
 RT: 5.499 min Scan# 562
 Delta R.T. 0.007 min
 Lab File: BF142890.D
 Acq: 27 Jun 2025 13:48

Tgt Ion:112 Resp: 357655
 Ion Ratio Lower Upper
 112 100
 64 56.5 48.2 72.2
 63 29.8 25.7 38.5

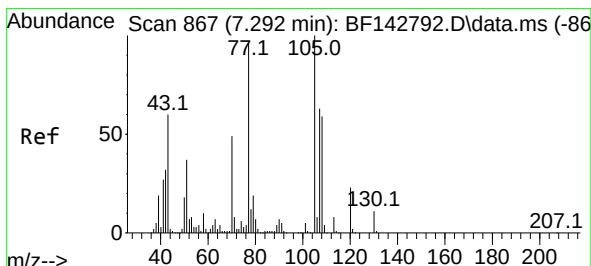
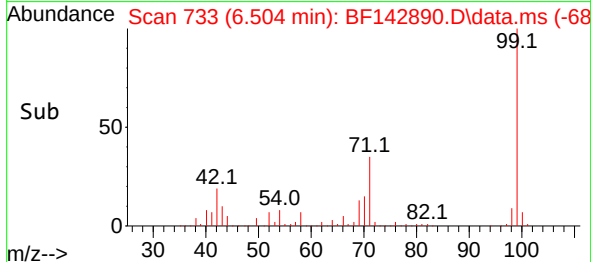
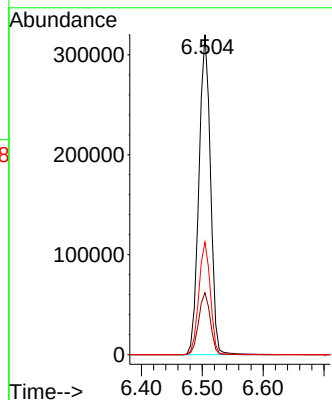
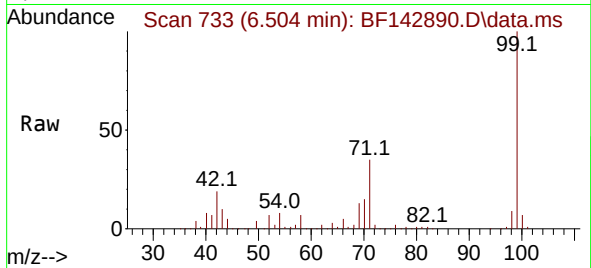




#7
Phenol-d6
Concen: 82.887 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF142890.D
Acq: 27 Jun 2025 13:48

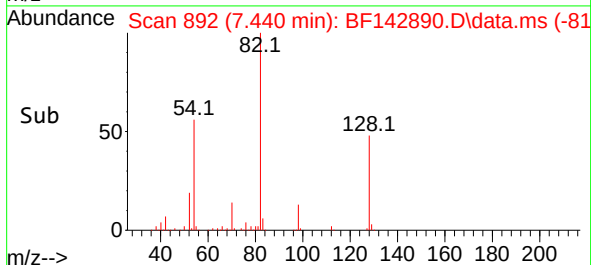
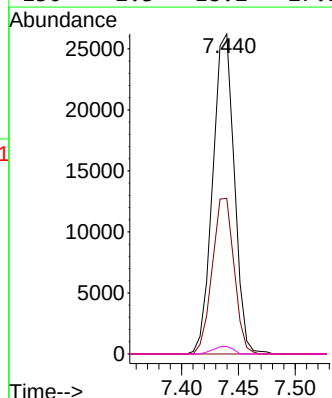
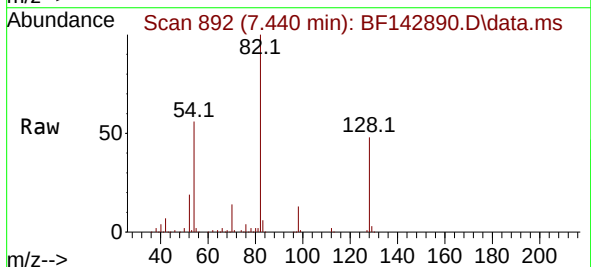
Instrument :
BNA_F
ClientSampleId :
TP-77

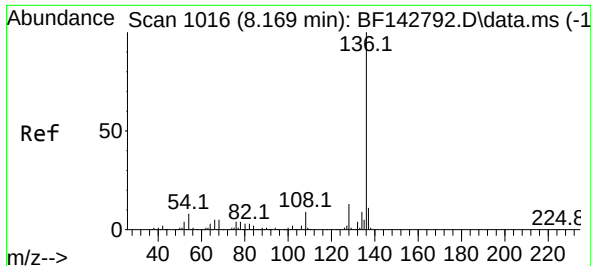
Tgt Ion: 99 Resp: 421280
Ion Ratio Lower Upper
99 100
42 19.4 15.9 23.9
71 35.1 27.8 41.8



#19
n-Nitroso-di-n-propylamine
Concen: 11.739 ng
RT: 7.440 min Scan# 892
Delta R.T. 0.147 min
Lab File: BF142890.D
Acq: 27 Jun 2025 13:48

Tgt Ion: 70 Resp: 34700
Ion Ratio Lower Upper
70 100
42 48.7 52.1 78.1#
101 0.0 8.2 12.2#
130 2.3 18.2 27.2#



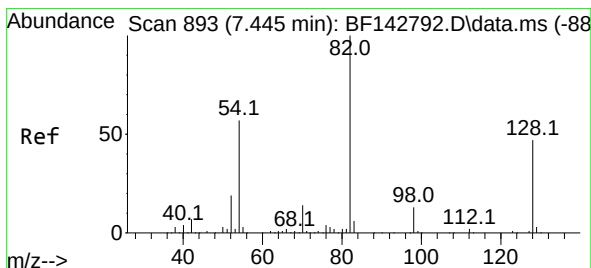
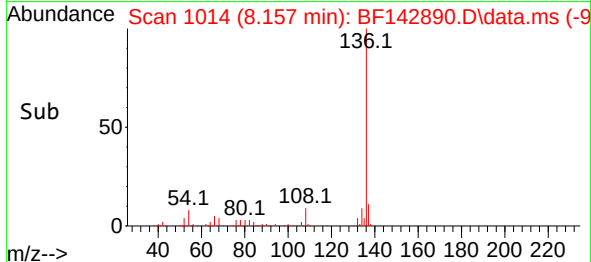
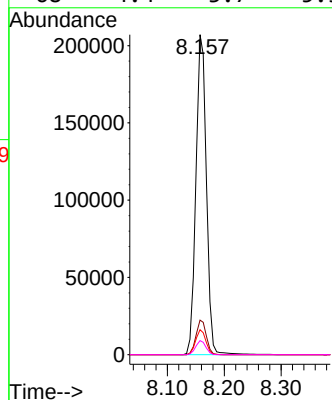
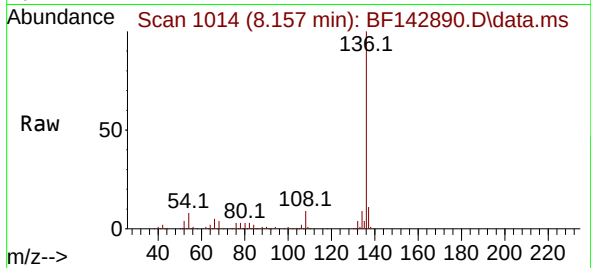


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1014
Delta R.T. -0.012 min
Lab File: BF142890.D
Acq: 27 Jun 2025 13:48

Instrument :
BNA_F
ClientSampleId :
TP-77

Tgt Ion:136 Resp: 266677

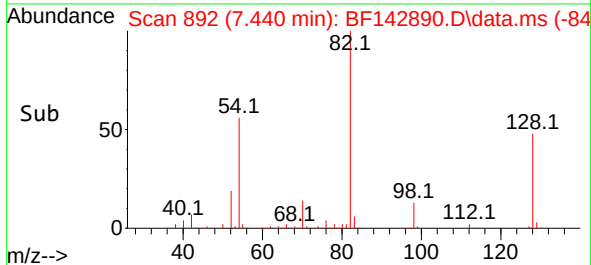
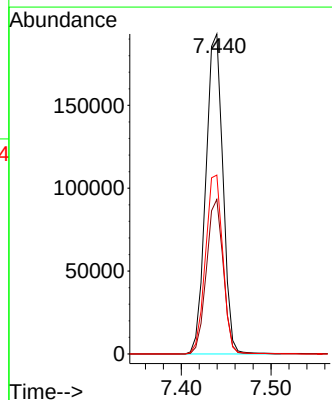
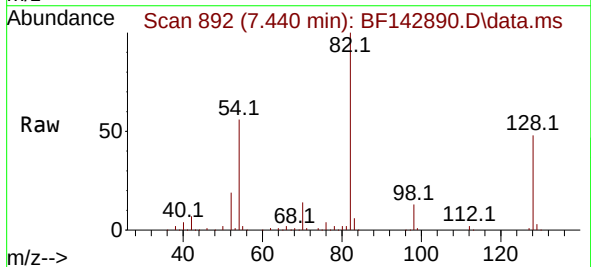
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.4	12.6
54	7.8	6.3	9.5
68	4.4	3.7	5.5

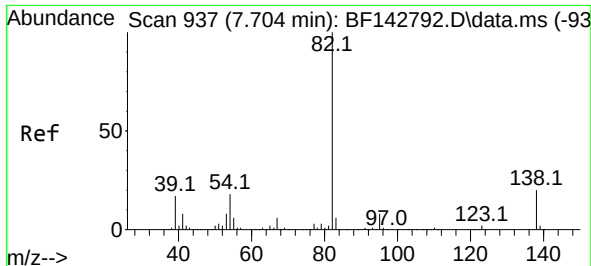


#23
Nitrobenzene-d5
Concen: 52.638 ng
RT: 7.440 min Scan# 892
Delta R.T. -0.005 min
Lab File: BF142890.D
Acq: 27 Jun 2025 13:48

Tgt Ion: 82 Resp: 255919

Ion	Ratio	Lower	Upper
82	100		
128	48.3	37.7	56.5
54	55.9	45.7	68.5

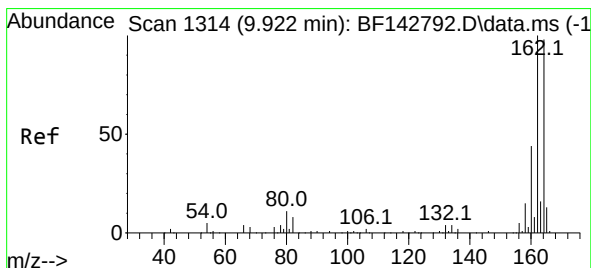
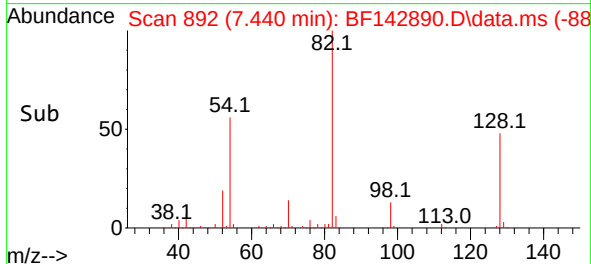
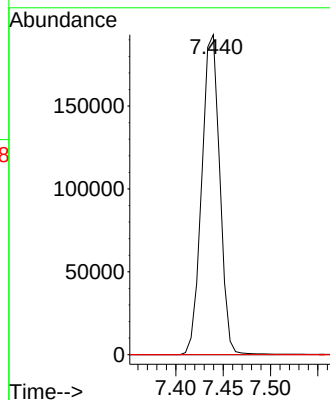
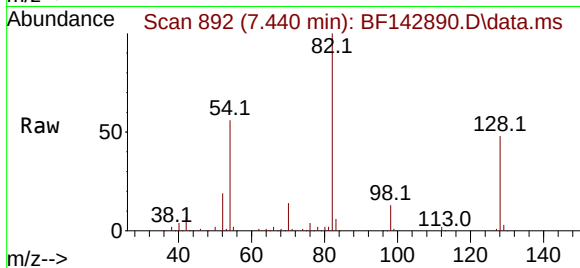




#25
Isophorone
Concen: 32.813 ng
RT: 7.440 min Scan# 89
Delta R.T. -0.264 min
Lab File: BF142890.D
Acq: 27 Jun 2025 13:48

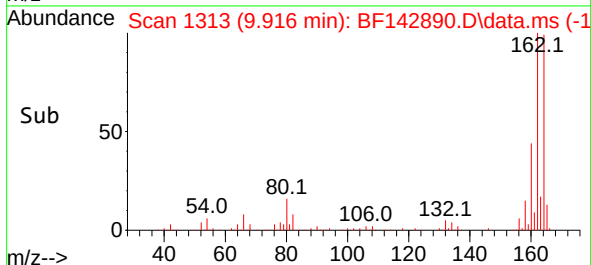
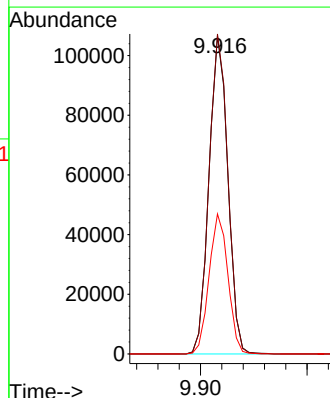
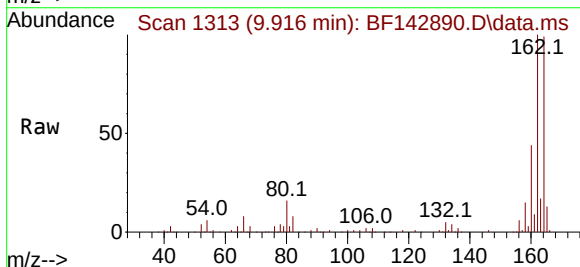
Instrument :
BNA_F
ClientSampleId :
TP-77

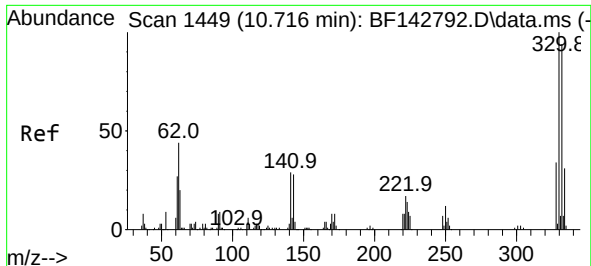
Tgt Ion: 82 Resp: 255915
Ion Ratio Lower Upper
82 100
95 0.0 6.2 9.2#
138 0.0 16.2 24.4#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1313
Delta R.T. -0.006 min
Lab File: BF142890.D
Acq: 27 Jun 2025 13:48

Tgt Ion: 164 Resp: 131150
Ion Ratio Lower Upper
164 100
162 100.6 81.8 122.8
160 44.0 36.0 54.0

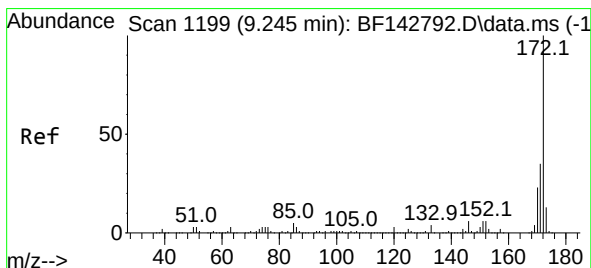
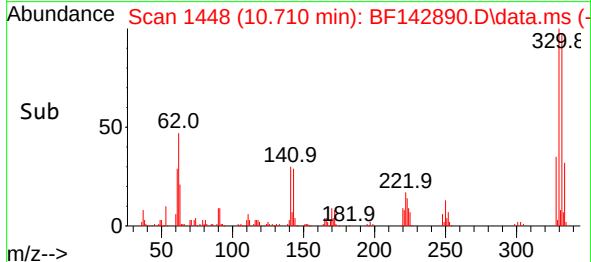
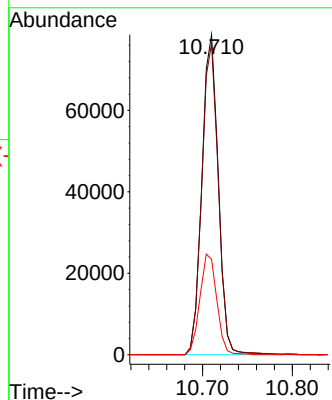
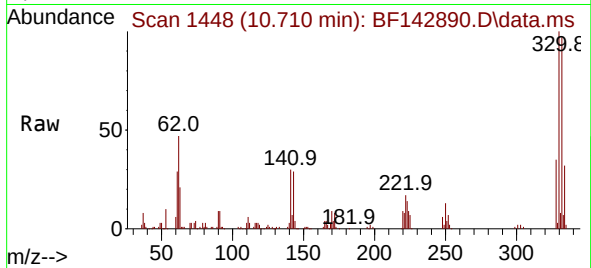




#42
2,4,6-Tribromophenol
Concen: 73.768 ng
RT: 10.710 min Scan# 1449
Delta R.T. -0.006 min
Lab File: BF142890.D
Acq: 27 Jun 2025 13:48

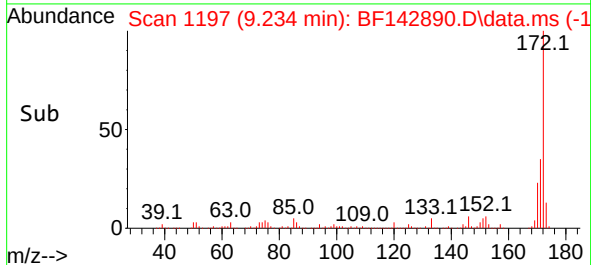
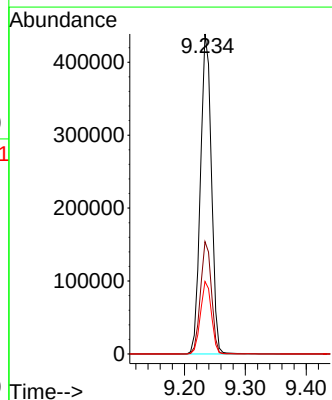
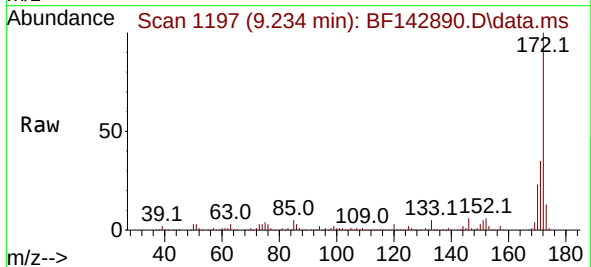
Instrument :
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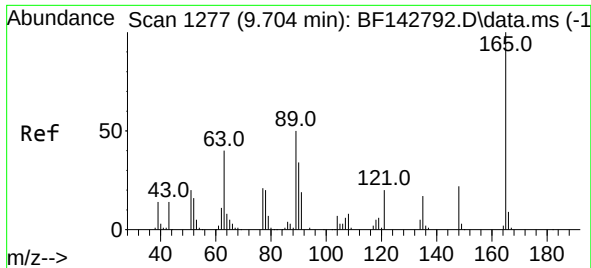
Tgt Ion:330 Resp: 99559
Ion Ratio Lower Upper
330 100
332 98.1 75.0 112.6
141 32.4 25.3 37.9



#45
2-Fluorobiphenyl
Concen: 55.150 ng
RT: 9.234 min Scan# 1197
Delta R.T. -0.011 min
Lab File: BF142890.D
Acq: 27 Jun 2025 13:48

Tgt Ion:172 Resp: 550592
Ion Ratio Lower Upper
172 100
171 35.1 28.2 42.4
170 22.6 18.5 27.7

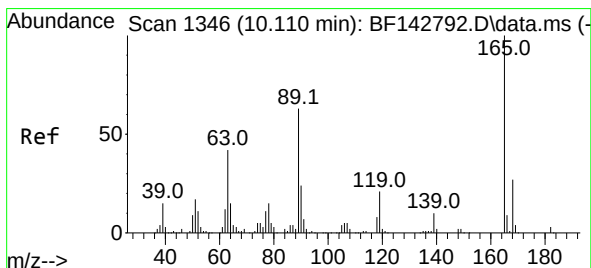
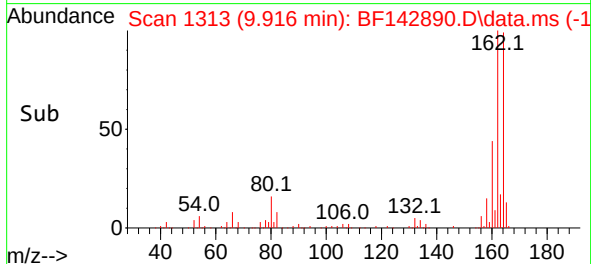
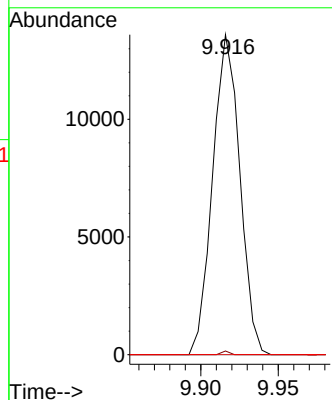
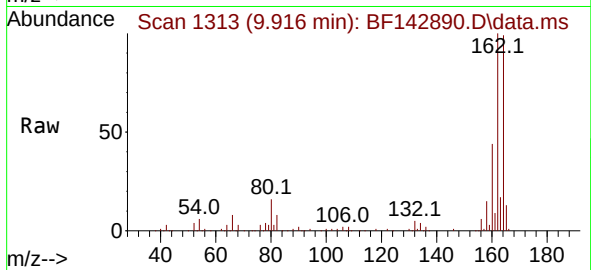




#51
2,6-Dinitrotoluene
Concen: 8.886 ng
RT: 9.916 min Scan# 11
Delta R.T. 0.212 min
Lab File: BF142890.D
Acq: 27 Jun 2025 13:48

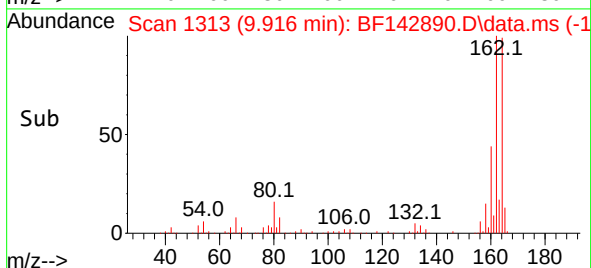
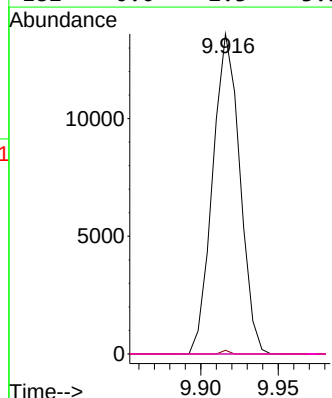
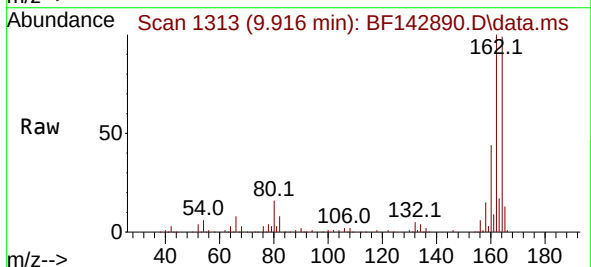
Instrument :
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TP-77

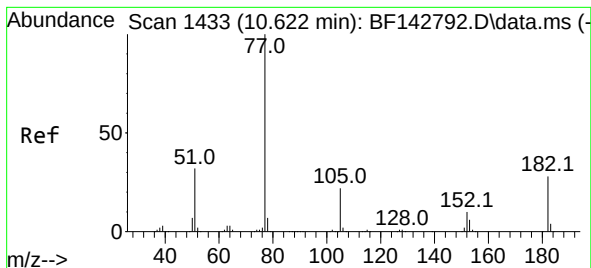
Tgt Ion:165 Resp: 16566
Ion Ratio Lower Upper
165 100
63 1.2 44.2 66.4#
89 0.0 39.8 59.8#



#57
2,4-Dinitrotoluene
Concen: 6.690 ng
RT: 9.916 min Scan# 1313
Delta R.T. -0.194 min
Lab File: BF142890.D
Acq: 27 Jun 2025 13:48

Tgt Ion:165 Resp: 16566
Ion Ratio Lower Upper
165 100
63 1.2 33.9 50.9#
89 0.0 50.6 75.8#
182 0.0 2.3 3.5#





#63

Azobenzene

Concen: 5.276 ng

RT: 10.628 min Scan# 1433

Delta R.T. 0.006 min

Lab File: BF142890.D

Acq: 27 Jun 2025 13:48

Instrument :

BNA_F

ClientSampleId :

TP-77

Tgt Ion: 77 Resp: 39254

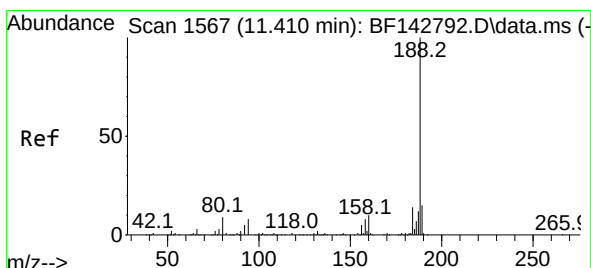
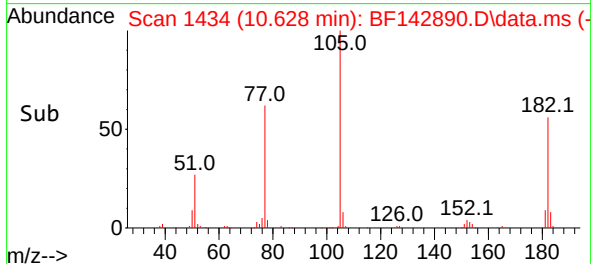
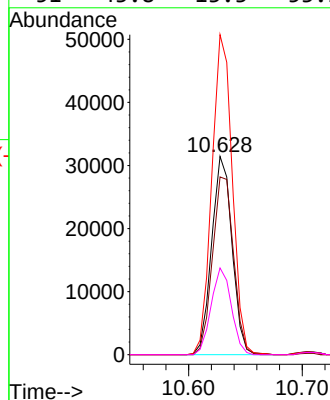
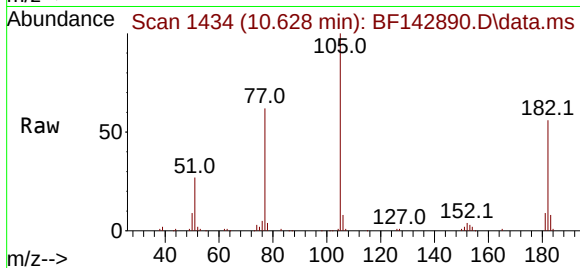
Ion Ratio Lower Upper

77 100

182 89.7 7.7 47.7#

105 161.4 1.9 41.9#

51 43.8 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: BF142890.D

Acq: 27 Jun 2025 13:48

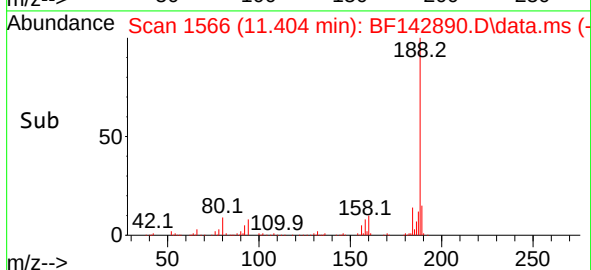
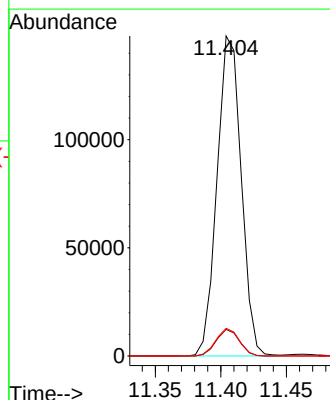
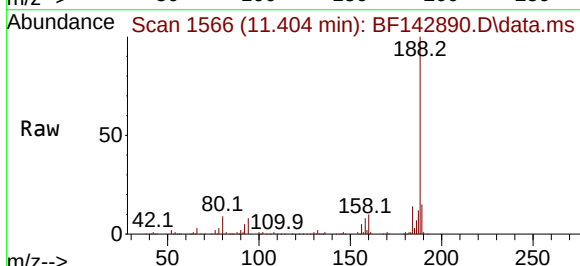
Tgt Ion: 188 Resp: 189644

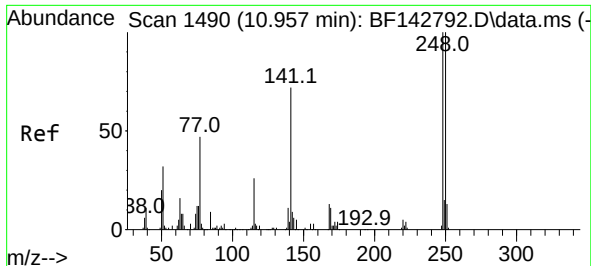
Ion Ratio Lower Upper

188 100

94 8.3 6.7 10.1

80 8.6 6.9 10.3

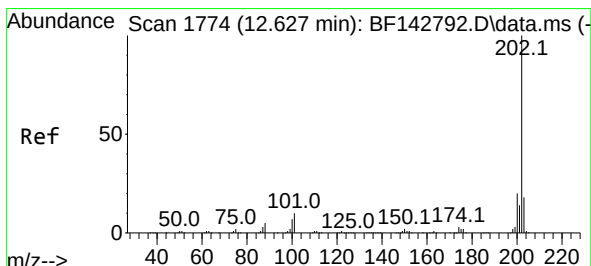
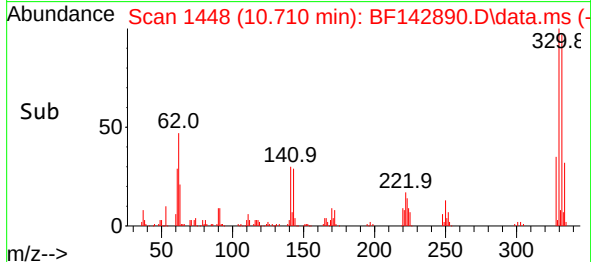
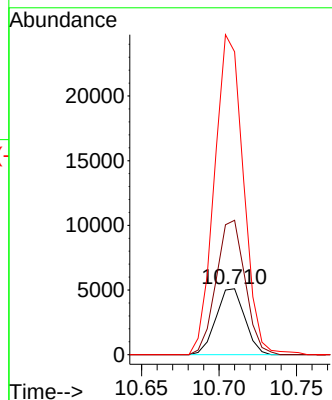
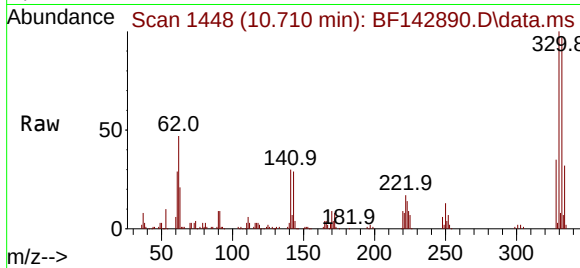




#67
4-Bromophenyl-phenylether
Concen: 3.050 ng
RT: 10.710 min Scan# 1490
Delta R.T. -0.247 min
Lab File: BF142890.D
Acq: 27 Jun 2025 13:48

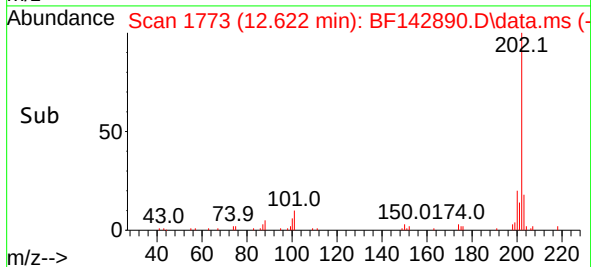
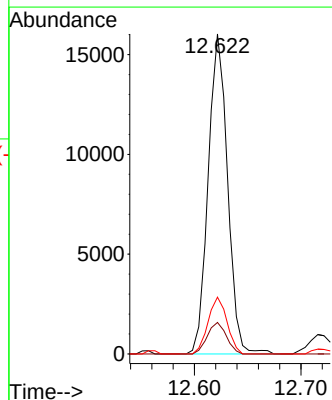
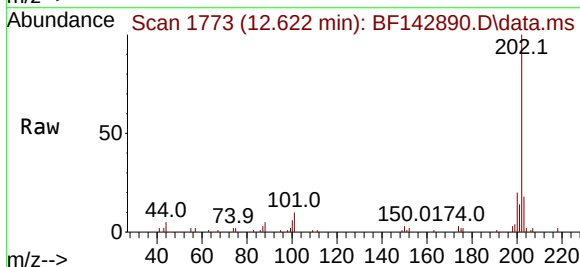
Instrument :
BNA_F
ClientSampleId :
TP-77

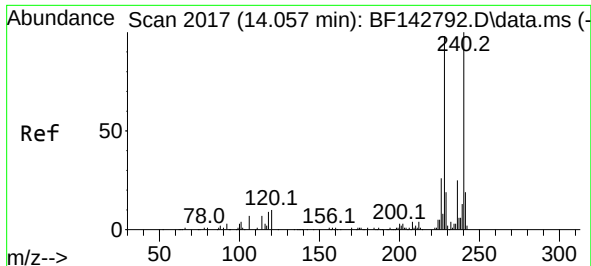
Tgt Ion:248 Resp: 6582
Ion Ratio Lower Upper
248 100
250 203.7 79.8 119.8#
141 458.9 57.8 86.6#



#75
Fluoranthene
Concen: 2.082 ng
RT: 12.622 min Scan# 1773
Delta R.T. -0.006 min
Lab File: BF142890.D
Acq: 27 Jun 2025 13:48

Tgt Ion:202 Resp: 20300
Ion Ratio Lower Upper
202 100
101 9.9 0.0 29.7
203 17.7 0.0 37.5

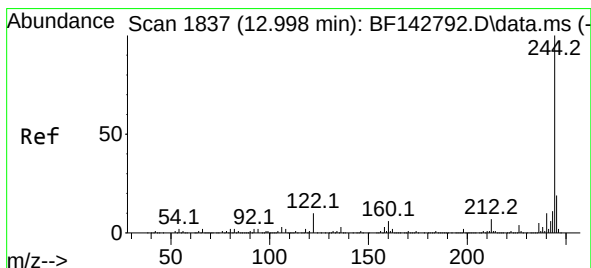
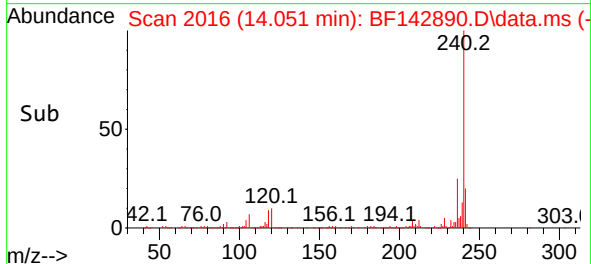
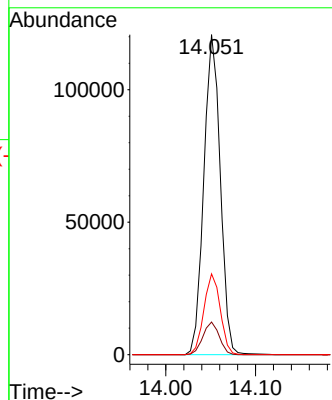
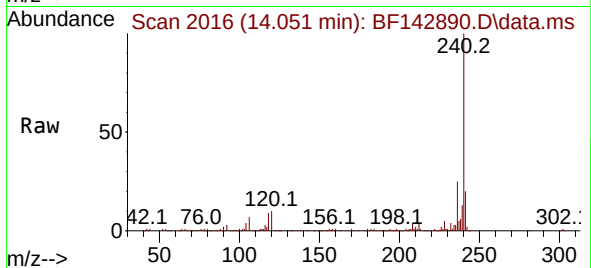




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF142890.D
Acq: 27 Jun 2025 13:48

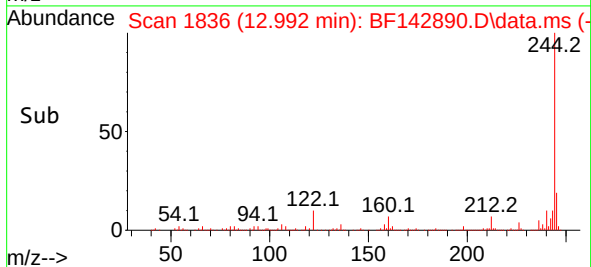
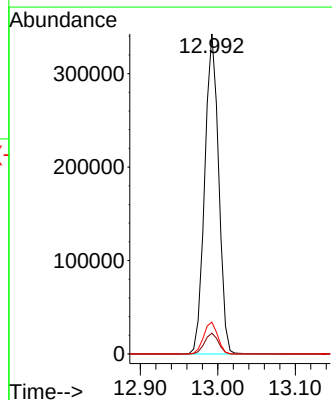
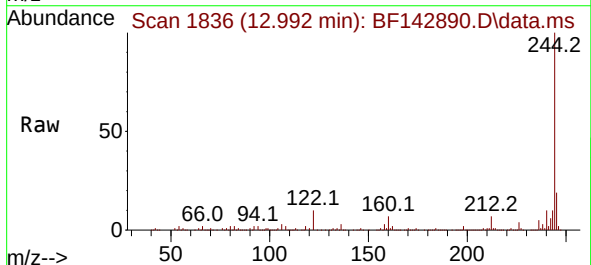
Instrument :
BNA_F
ClientSampleId :
TP-77

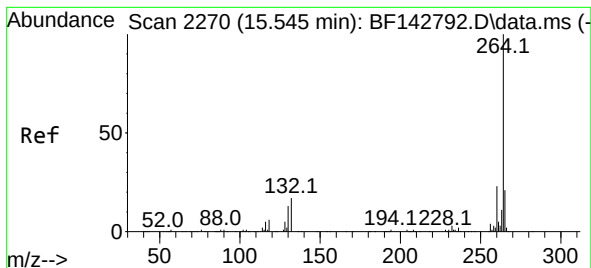
Tgt Ion:240 Resp: 153845
Ion Ratio Lower Upper
240 100
120 10.2 8.2 12.2
236 25.3 19.8 29.8



#79
Terphenyl-d14
Concen: 38.340 ng
RT: 12.992 min Scan# 1836
Delta R.T. -0.006 min
Lab File: BF142890.D
Acq: 27 Jun 2025 13:48

Tgt Ion:244 Resp: 426892
Ion Ratio Lower Upper
244 100
212 6.5 5.4 8.0
122 9.9 8.2 12.2





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.545 min Scan# 2195

Delta R.T. 0.000 min

Lab File: BF142890.D

Acq: 27 Jun 2025 13:48

Instrument :

BNA_F

ClientSampleId :

TP-77

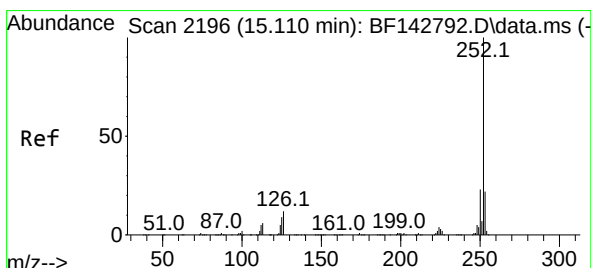
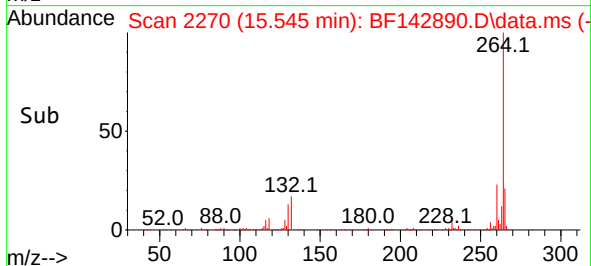
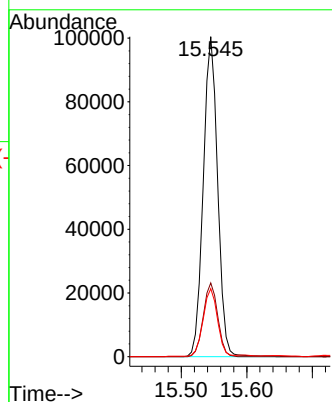
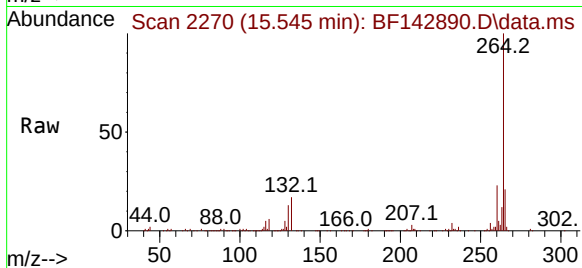
Tgt Ion:264 Resp: 153297

Ion Ratio Lower Upper

264 100

260 23.0 18.1 27.1

265 21.2 16.6 25.0



#88

Benzo(b)fluoranthene

Concen: 2.315 ng

RT: 15.104 min Scan# 2195

Delta R.T. -0.006 min

Lab File: BF142890.D

Acq: 27 Jun 2025 13:48

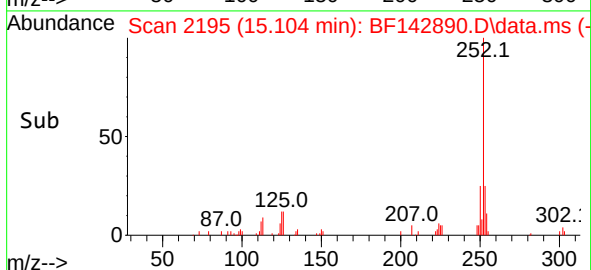
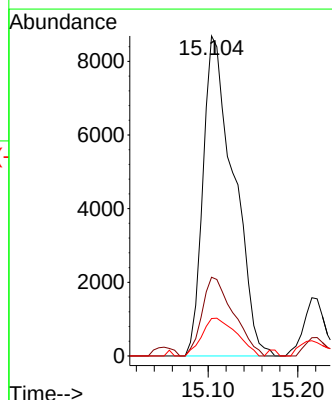
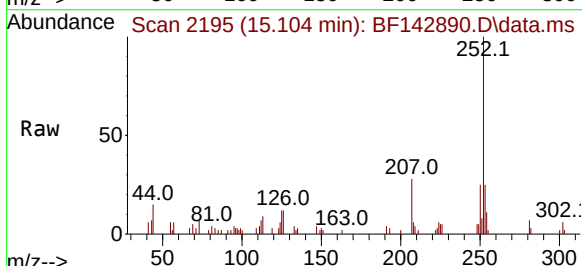
Tgt Ion:252 Resp: 20537

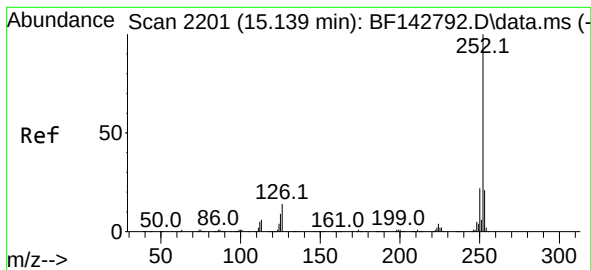
Ion Ratio Lower Upper

252 100

253 24.6 17.5 26.3

125 11.7 7.4 11.0#





#89

Benzo(k)fluoranthene

Concen: 2.475 ng

RT: 15.104 min Scan# 21

Delta R.T. -0.035 min

Lab File: BF142890.D

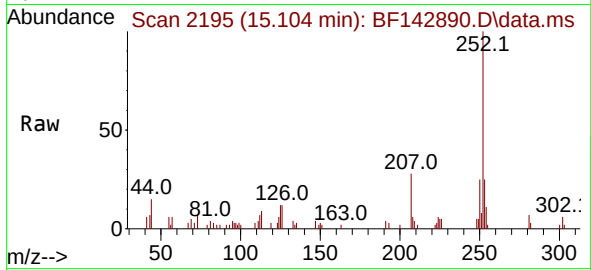
Acq: 27 Jun 2025 13:48

Instrument :

BNA_F

ClientSampleId :

TP-77



Tgt Ion:252 Resp: 20537

Ion Ratio Lower Upper

252 100

253 24.6 17.2 25.8

125 11.7 7.4 11.2#

