

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052125\
 Data File : BF142490.D
 Acq On : 21 May 2025 16:32
 Operator : RC/JU
 Sample : Q2068-01 10X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LAW-25-0075

Quant Time: May 21 17:11:47 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)

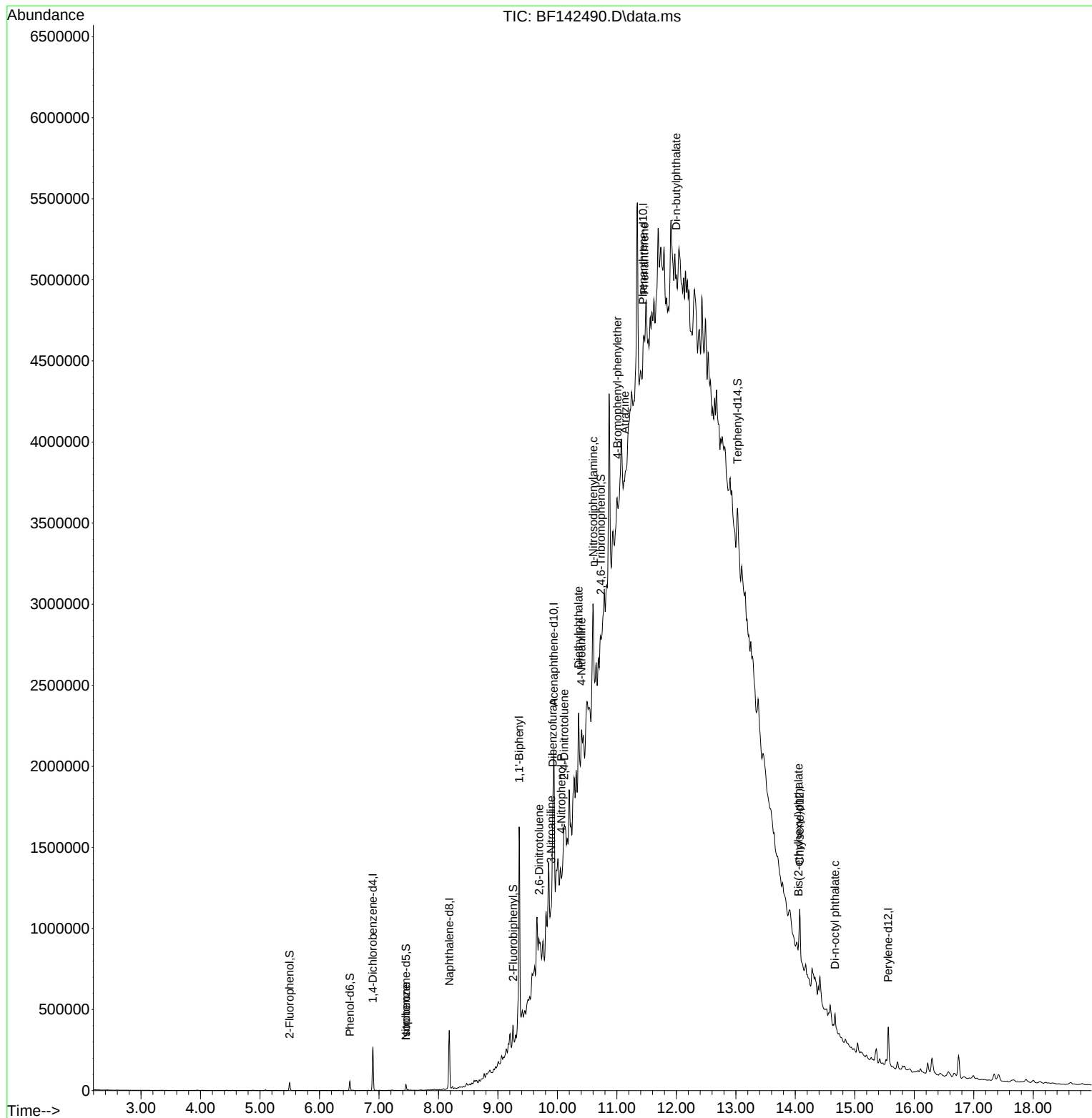
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.898	152	57777	20.000	ng	0.00
21) Naphthalene-d8	8.181	136	223350	20.000	ng	0.00
39) Acenaphthene-d10	9.939	164	108575	20.000	ng	0.00
64) Phenanthrene-d10	11.439	188	129166	20.000	ng	# 0.00
76) Chrysene-d12	14.074	240	140642	20.000	ng	# 0.00
86) Perylene-d12	15.563	264	144042	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.499	112	18901	5.511	ng	-0.02
7) Phenol-d6	6.510	99	27262	6.604	ng	-0.02
23) Nitrobenzene-d5	7.451	82	16380	3.999	ng	-0.02
42) 2,4,6-Tribromophenol	10.733	330	7539	6.256	ng	0.00
45) 2-Fluorobiphenyl	9.257	172	45888	5.671	ng	-0.01
79) Terphenyl-d14	13.027	244	36360	3.533	ng	0.01
Target Compounds						Qvalue
25) Isophorone	7.451	82	14459	2.111	ng	# 63
46) 1,1'-Biphenyl	9.357	154	573559	68.091	ng	99
51) 2,6-Dinitrotoluene	9.692	165	13282	8.590	ng	# 38
53) 3-Nitroaniline	9.892	138	3724	2.205	ng	# 32
55) Dibenzofuran	9.922	168	25012	2.709	ng	91
56) 4-Nitrophenol	10.069	139	2637	2.116	ng	# 1
57) 2,4-Dinitrotoluene	10.116	165	18901	9.360	ng	# 46
60) Diethylphthalate	10.357	149	14419	2.061	ng	# 39
62) 4-Nitroaniline	10.404	138	10648	6.952	ng	86
66) n-Nitrosodiphenylamine	10.604	169	16137	3.652	ng	# 70
67) 4-Bromophenyl-phenylether	11.010	248	3373	2.208	ng	# 1
69) Atrazine	11.133	200	2825	2.407	ng	# 1
71) Phenanthrene	11.463	178	16541	2.396	ng	# 1
74) Di-n-butylphthalate	11.998	149	28878	4.381	ng	# 34
84) Bis(2-ethylhexyl)phtha...	14.057	149	43521	9.378	ng	# 70
85) Di-n-octyl phthalate	14.669	149	81435	8.974	ng	97

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

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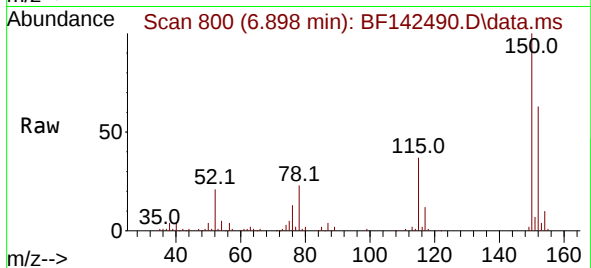
Quant Time: May 21 17:11:47 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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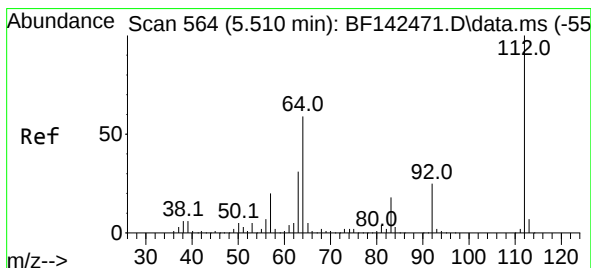
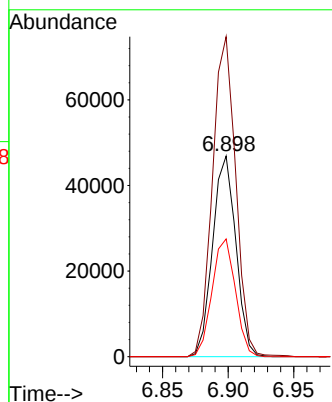
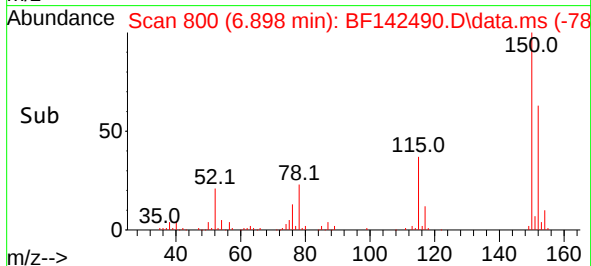


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.898 min Scan# 800
Delta R.T. -0.006 min
Lab File: BF142490.D
Acq: 21 May 2025 16:32

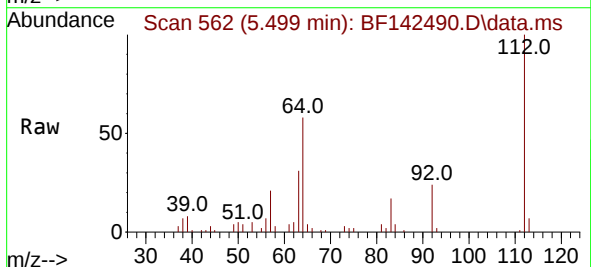
Instrument :
BNA_F
ClientSampleId :
LAW-25-0075



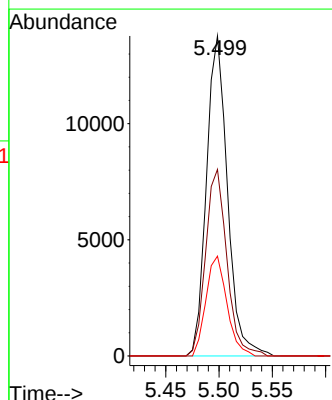
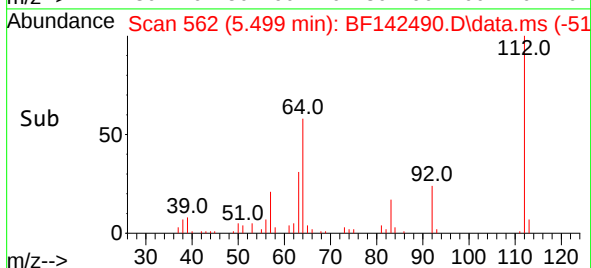
Tgt Ion:152 Resp: 57777
Ion Ratio Lower Upper
152 100
150 159.5 128.2 192.4
115 58.7 48.3 72.5

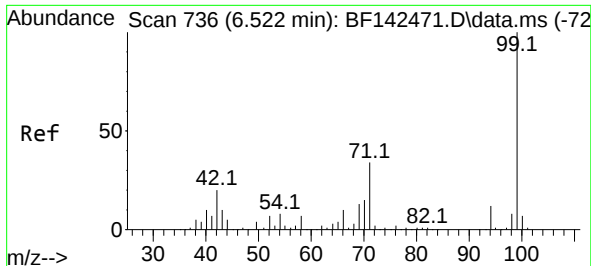


#5
2-Fluorophenol
Concen: 5.511 ng
RT: 5.499 min Scan# 562
Delta R.T. -0.017 min
Lab File: BF142490.D
Acq: 21 May 2025 16:32



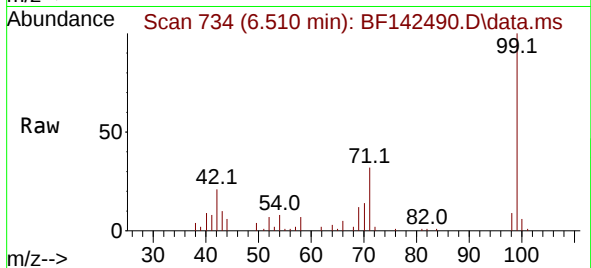
Tgt Ion:112 Resp: 18901
Ion Ratio Lower Upper
112 100
64 58.3 47.5 71.3
63 31.2 24.9 37.3



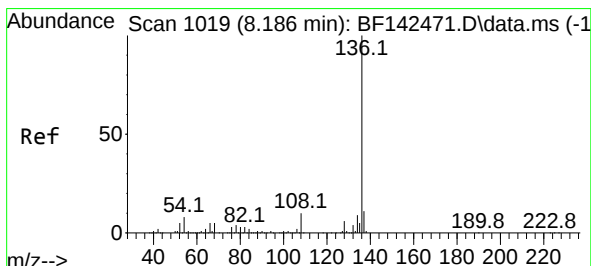
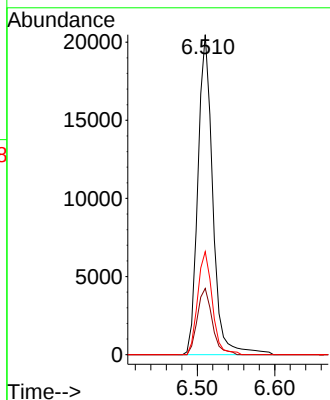
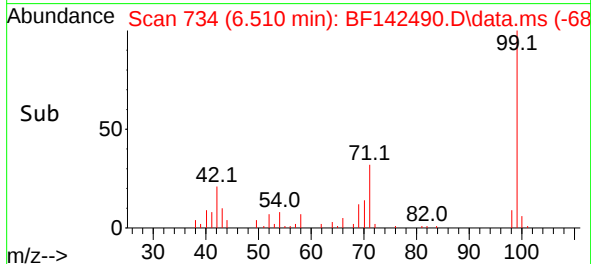


#7
Phenol-d6
Concen: 6.604 ng
RT: 6.510 min Scan# 71
Delta R.T. -0.023 min
Lab File: BF142490.D
Acq: 21 May 2025 16:32

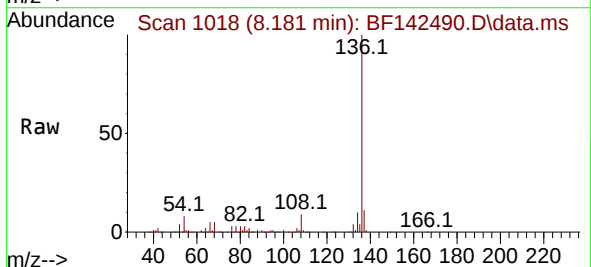
Instrument :
BNA_F
ClientSampleId :
LAW-25-0075



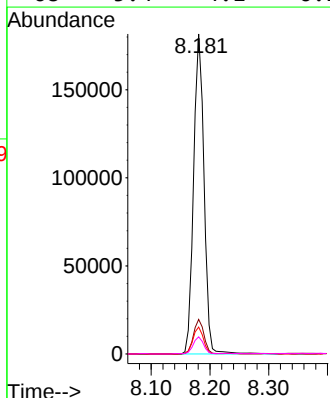
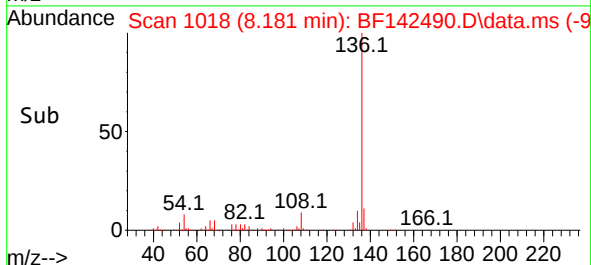
Tgt Ion:	99	Resp:	27262
Ion	Ratio	Lower	Upper
99	100		
42	20.7	16.2	24.2
71	32.2	27.3	40.9

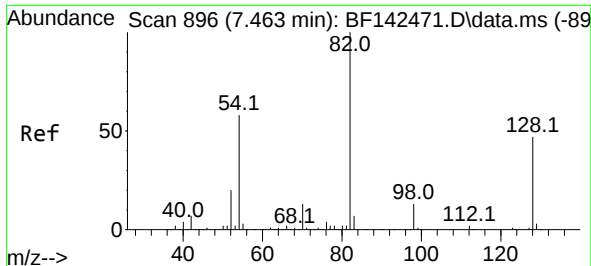


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.181 min Scan# 1018
Delta R.T. -0.006 min
Lab File: BF142490.D
Acq: 21 May 2025 16:32



Tgt Ion:	136	Resp:	223350
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.6	13.0
54	8.4	6.6	10.0
68	5.4	4.1	6.1





#23

Nitrobenzene-d5

Concen: 3.999 ng

RT: 7.451 min Scan# 894

Delta R.T. -0.023 min

Lab File: BF142490.D

Acq: 21 May 2025 16:32

Instrument :

BNA_F

ClientSampleId :

LAW-25-0075

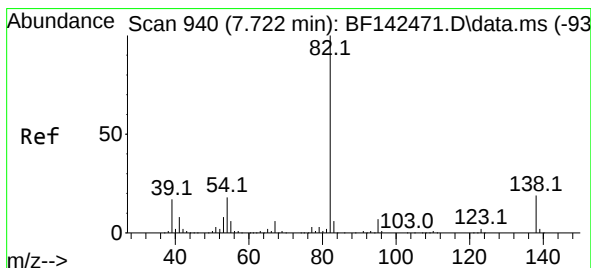
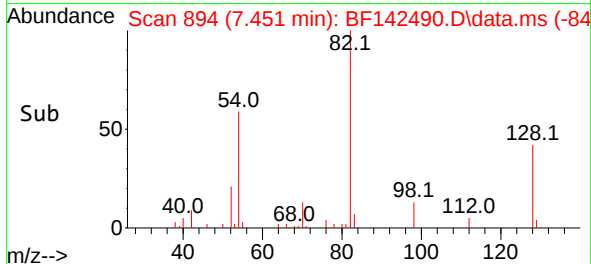
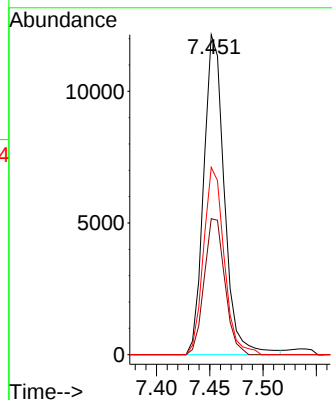
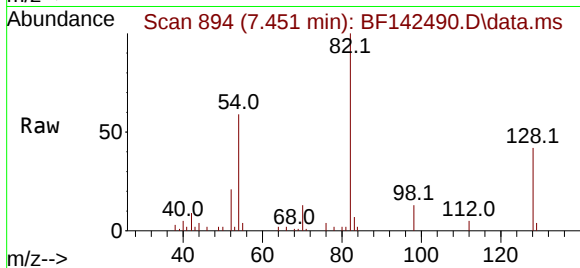
Tgt Ion: 82 Resp: 16380

Ion Ratio Lower Upper

82 100

128 42.5 37.4 56.2

54 58.6 46.6 70.0



#25

Isophorone

Concen: 2.111 ng

RT: 7.451 min Scan# 894

Delta R.T. -0.282 min

Lab File: BF142490.D

Acq: 21 May 2025 16:32

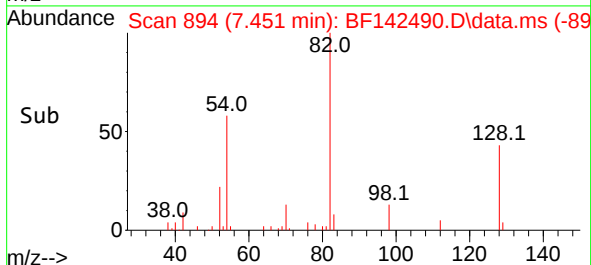
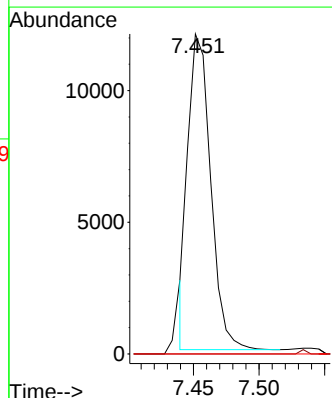
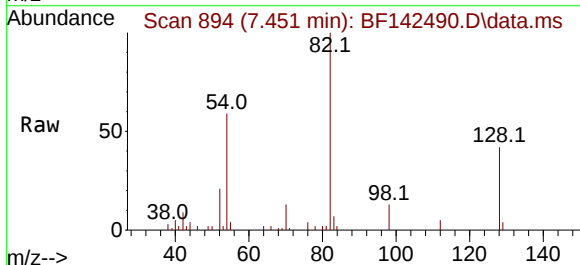
Tgt Ion: 82 Resp: 14459

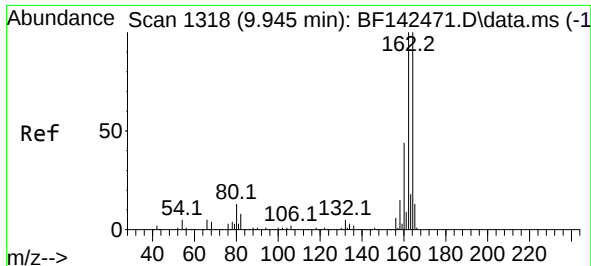
Ion Ratio Lower Upper

82 100

95 0.0 6.0 9.0#

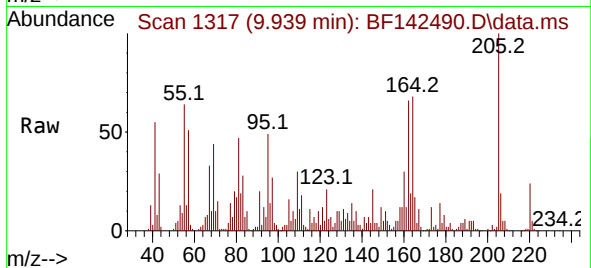
138 0.0 15.5 23.3#



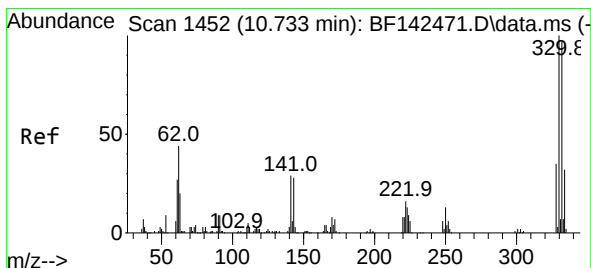
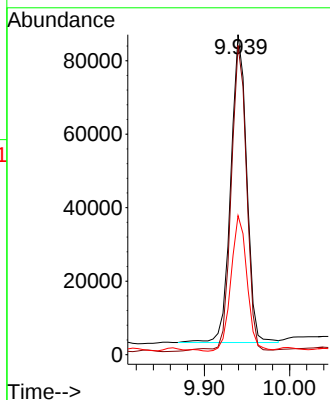
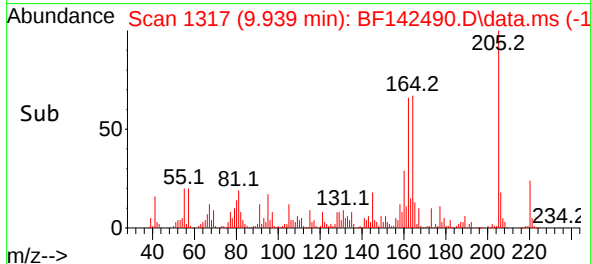


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.939 min Scan# 1318
Delta R.T. -0.006 min
Lab File: BF142490.D
Acq: 21 May 2025 16:32

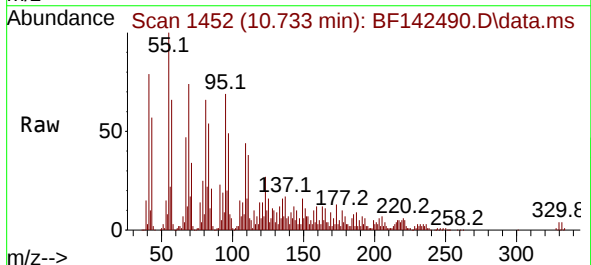
Instrument :
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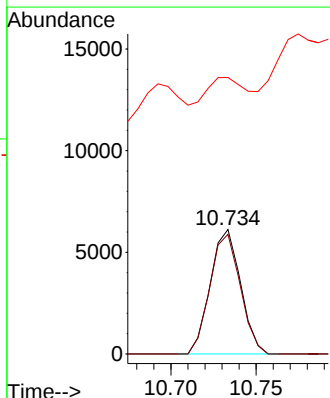
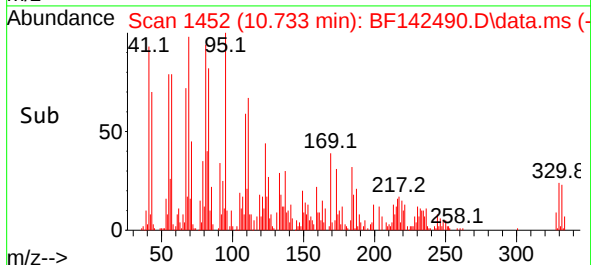
Tgt Ion:164 Resp: 108575
Ion Ratio Lower Upper
164 100
162 96.7 80.2 120.4
160 43.5 35.6 53.4

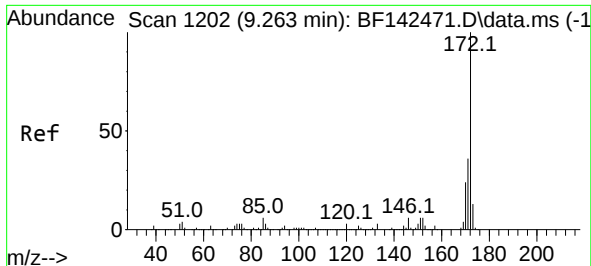


#42
2,4,6-Tribromophenol
Concen: 6.256 ng
RT: 10.733 min Scan# 1452
Delta R.T. -0.006 min
Lab File: BF142490.D
Acq: 21 May 2025 16:32



Tgt Ion:330 Resp: 7539
Ion Ratio Lower Upper
330 100
332 97.1 77.6 116.4
141 28.4 24.6 36.8

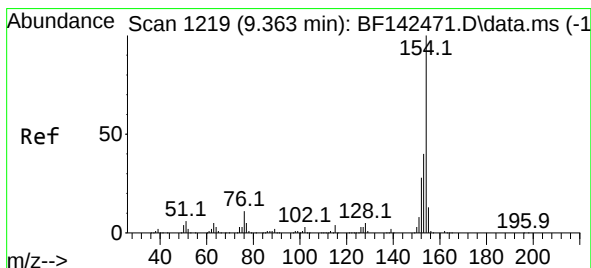
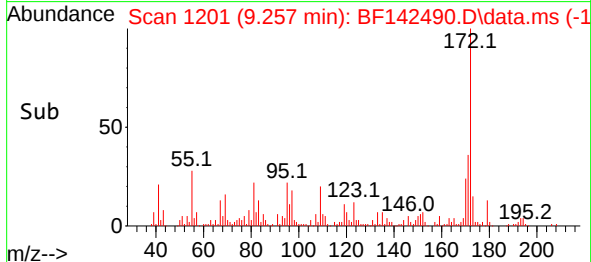
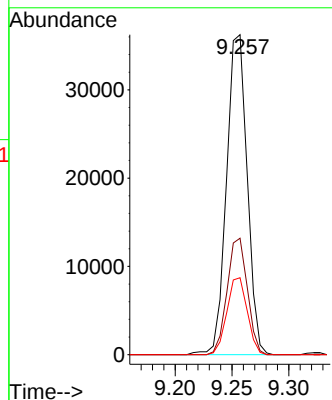
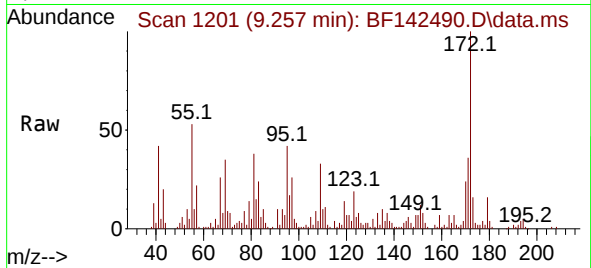




#45
2-Fluorobiphenyl
Concen: 5.671 ng
RT: 9.257 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF142490.D
Acq: 21 May 2025 16:32

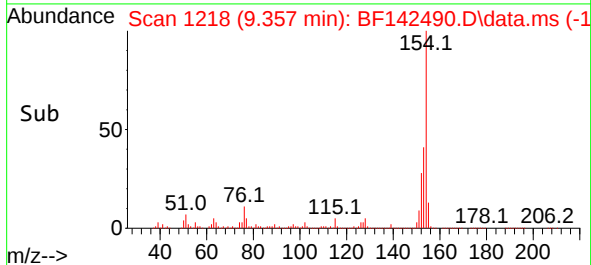
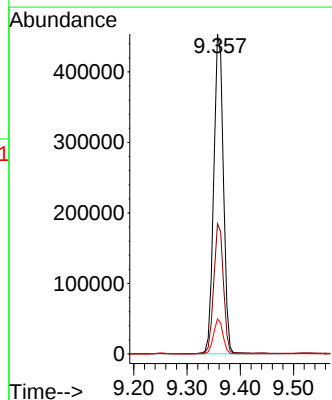
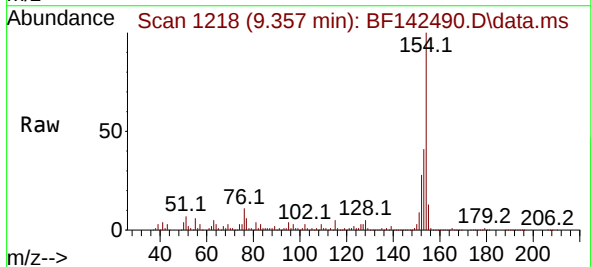
Instrument :
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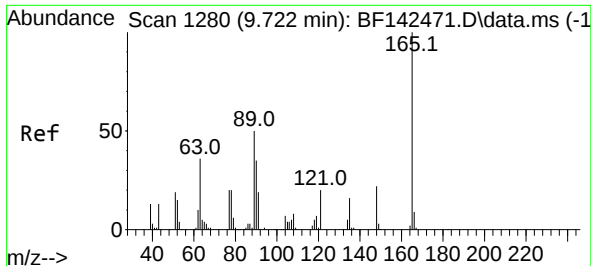
Tgt Ion:172	Resp:	45888
Ion Ratio	Lower	Upper
172	100	
171	36.4	28.6 42.8
170	24.1	18.9 28.3



#46
1,1'-Biphenyl
Concen: 68.091 ng
RT: 9.357 min Scan# 1218
Delta R.T. -0.012 min
Lab File: BF142490.D
Acq: 21 May 2025 16:32

Tgt Ion:154	Resp:	573559
Ion Ratio	Lower	Upper
154	100	
153	40.7	20.4 60.4
76	11.0	0.0 30.8

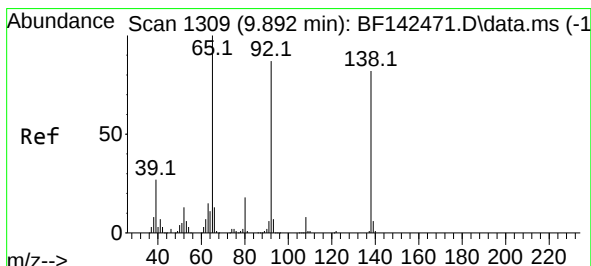
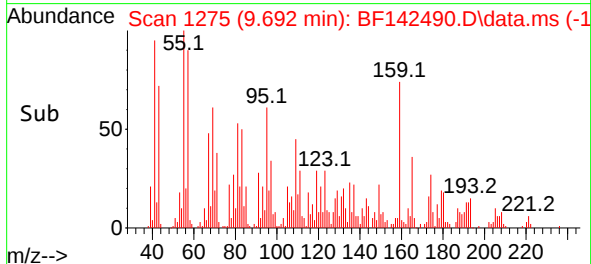
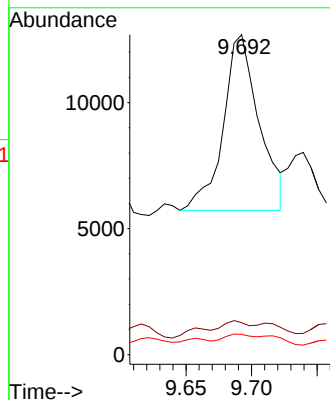
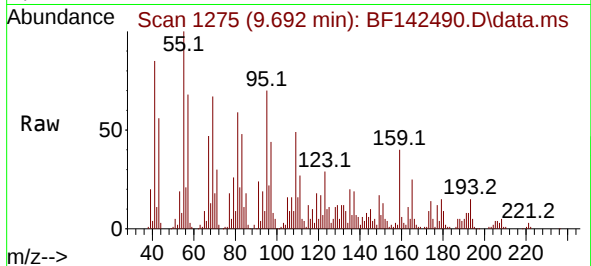




#51
2,6-Dinitrotoluene
Concen: 8.590 ng
RT: 9.692 min Scan# 11
Delta R.T. -0.035 min
Lab File: BF142490.D
Acq: 21 May 2025 16:32

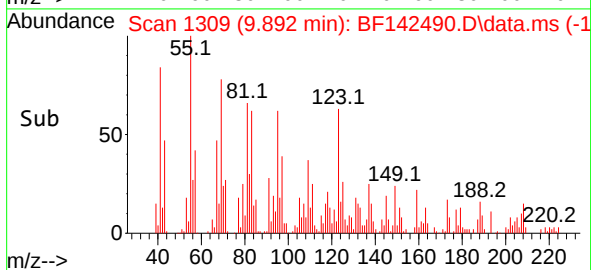
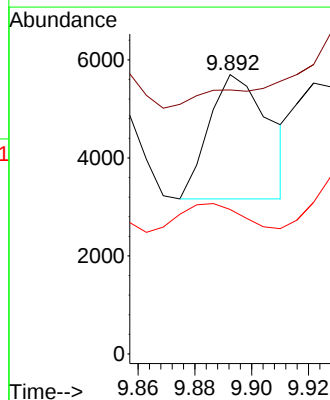
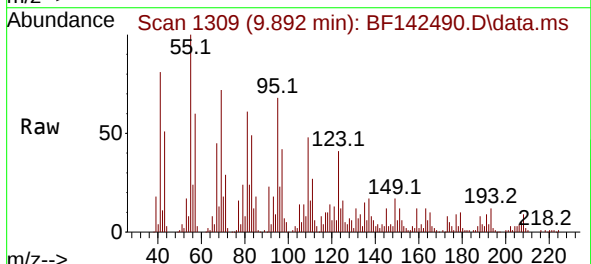
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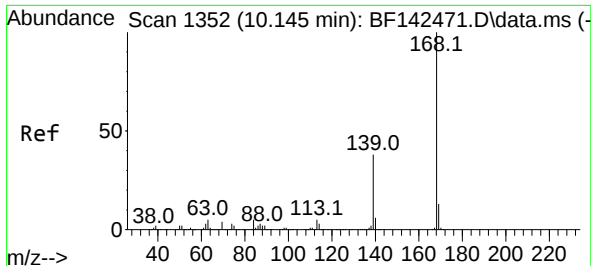
Tgt Ion:165 Resp: 13282
Ion Ratio Lower Upper
165 100
63 10.0 42.9 64.3#
89 6.3 40.2 60.4#



#53
3-Nitroaniline
Concen: 2.205 ng
RT: 9.892 min Scan# 1309
Delta R.T. -0.006 min
Lab File: BF142490.D
Acq: 21 May 2025 16:32

Tgt Ion:138 Resp: 3724
Ion Ratio Lower Upper
138 100
108 94.5 8.1 12.1#
92 51.7 85.2 127.8#

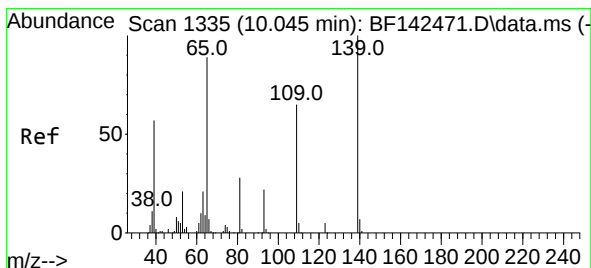
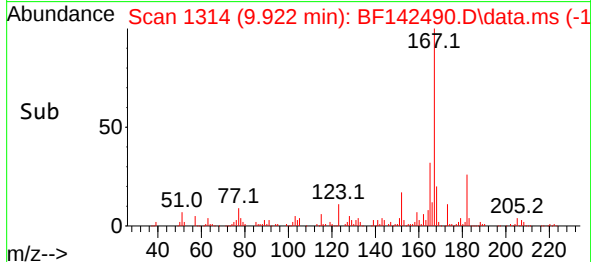
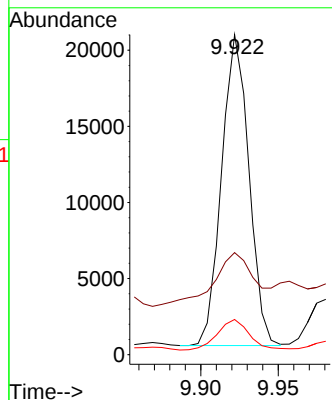
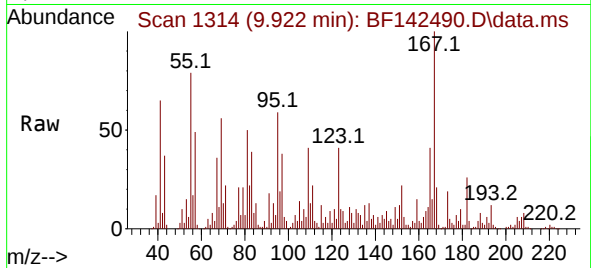




#55
Dibenzofuran
Concen: 2.709 ng
RT: 9.922 min Scan# 11
Delta R.T. -0.229 min
Lab File: BF142490.D
Acq: 21 May 2025 16:32

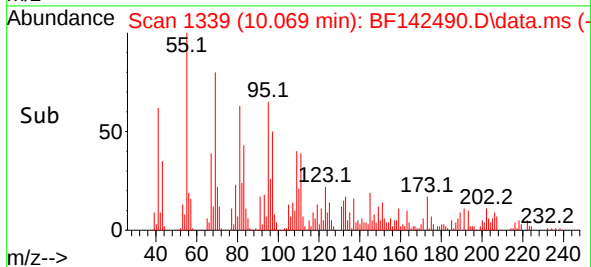
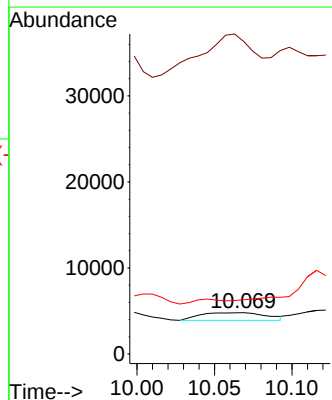
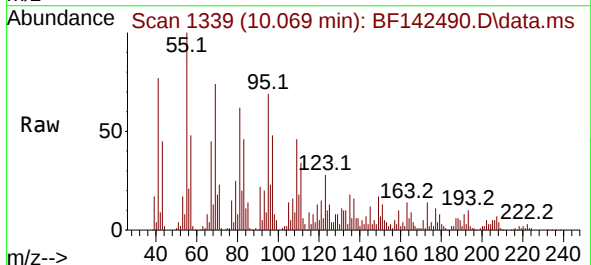
Instrument :
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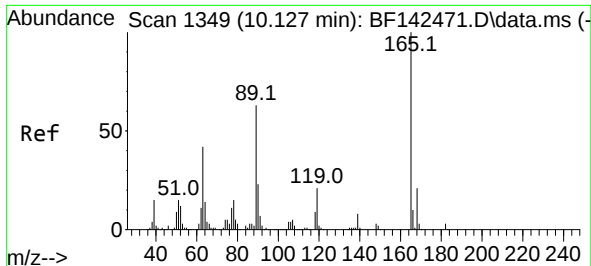
Tgt Ion:168 Resp: 25012
Ion Ratio Lower Upper
168 100
139 31.9 30.2 45.2
169 11.0 10.7 16.1



#56
4-Nitrophenol
Concen: 2.116 ng
RT: 10.069 min Scan# 1339
Delta R.T. 0.018 min
Lab File: BF142490.D
Acq: 21 May 2025 16:32

Tgt Ion:139 Resp: 2637
Ion Ratio Lower Upper
139 100
109 757.3 45.1 85.1#
65 131.6 69.7 109.7#

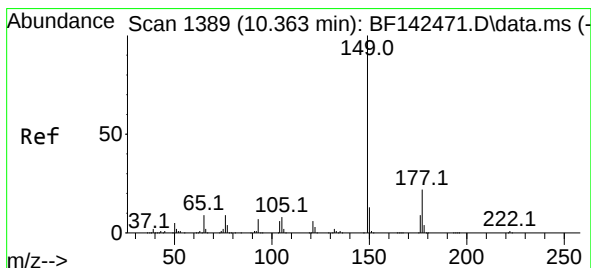
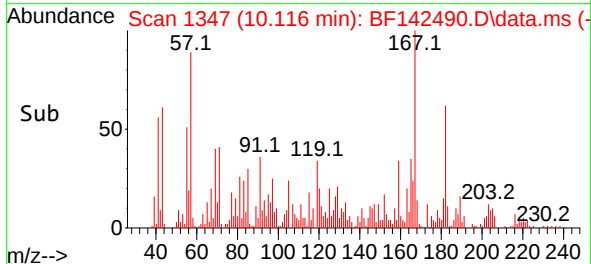
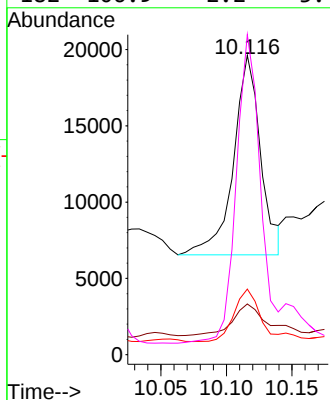
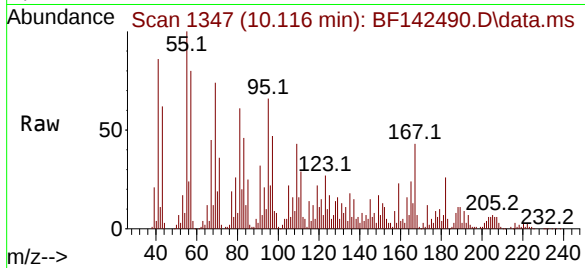




#57
2,4-Dinitrotoluene
Concen: 9.360 ng
RT: 10.116 min Scan# 1347
Delta R.T. -0.017 min
Lab File: BF142490.D
Acq: 21 May 2025 16:32

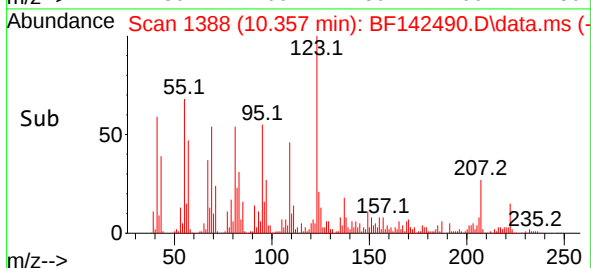
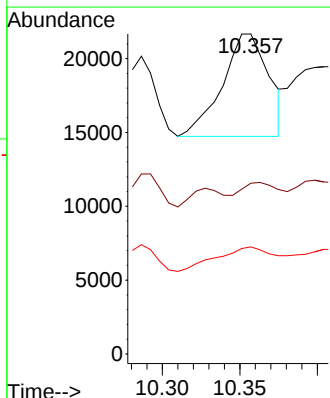
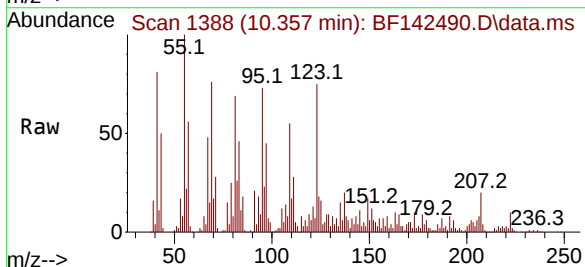
Instrument :
BNA_F
ClientSampleId :
LAW-25-0075

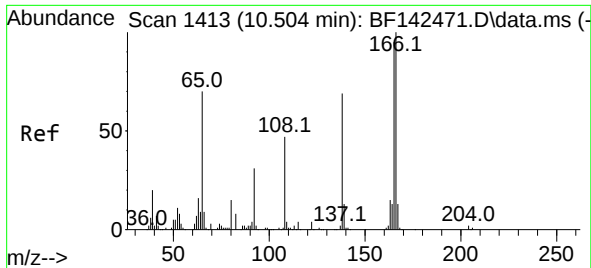
Tgt Ion:165 Resp: 18901
Ion Ratio Lower Upper
165 100
63 16.9 33.6 50.4#
89 21.9 50.2 75.4#
182 106.9 2.2 3.4#



#60
Diethylphthalate
Concen: 2.061 ng
RT: 10.357 min Scan# 1388
Delta R.T. -0.012 min
Lab File: BF142490.D
Acq: 21 May 2025 16:32

Tgt Ion:149 Resp: 14419
Ion Ratio Lower Upper
149 100
177 53.4 17.6 26.4#
150 33.4 10.1 15.1#

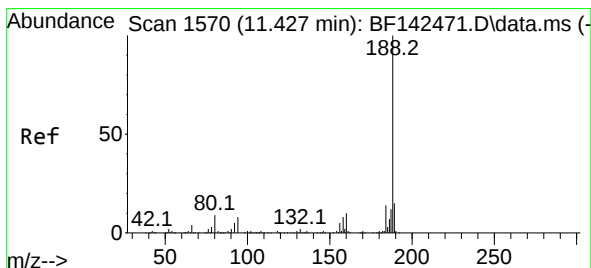
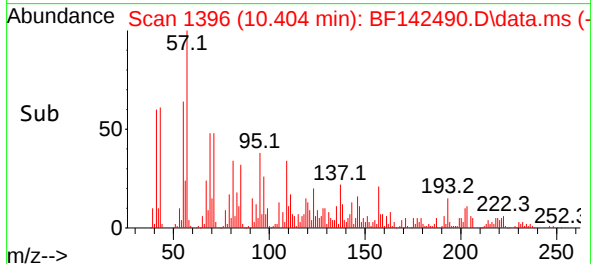
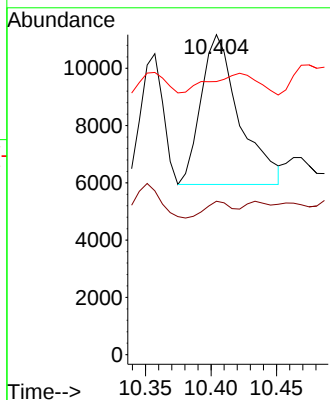
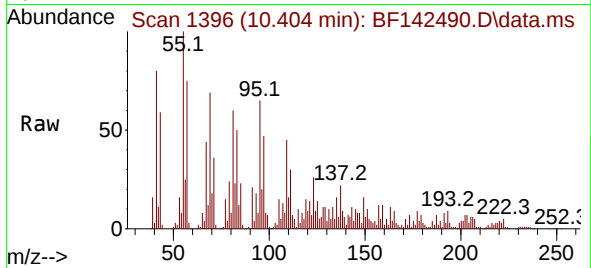




#62
4-Nitroaniline
Concen: 6.952 ng
RT: 10.404 min Scan# 11
Delta R.T. -0.112 min
Lab File: BF142490.D
Acq: 21 May 2025 16:32

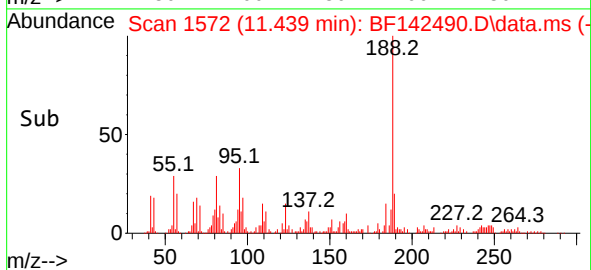
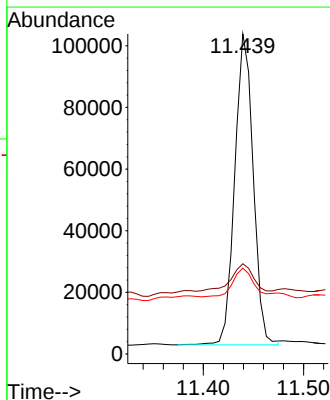
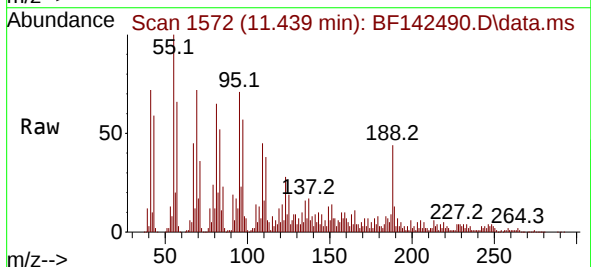
Instrument :
BNA_F
ClientSampleId :
LAW-25-0075

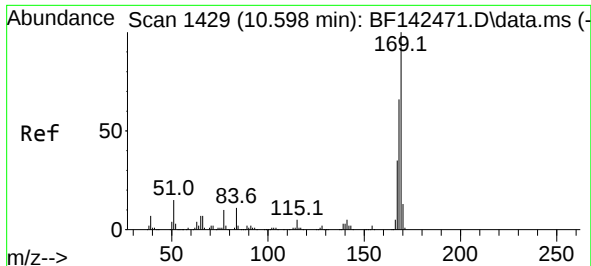
Tgt Ion:138 Resp: 10648
Ion Ratio Lower Upper
138 100
92 47.9 26.0 66.0
108 85.3 48.4 88.4



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.439 min Scan# 1572
Delta R.T. 0.006 min
Lab File: BF142490.D
Acq: 21 May 2025 16:32

Tgt Ion:188 Resp: 129166
Ion Ratio Lower Upper
188 100
94 28.2 6.6 10.0#
80 26.9 7.4 11.0#

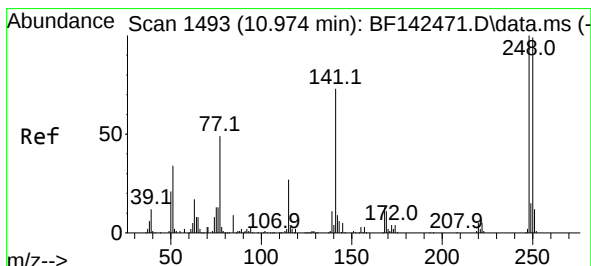
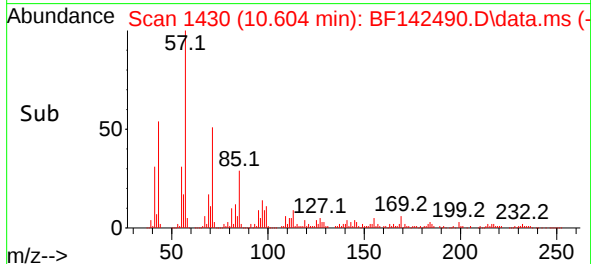
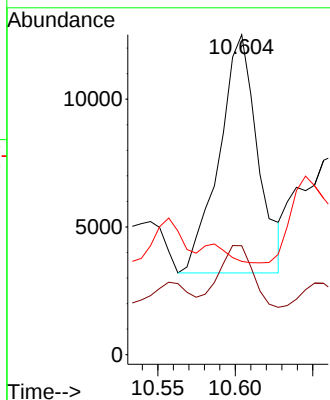
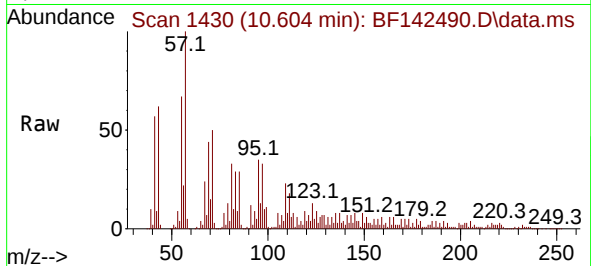




#66
n-Nitrosodiphenylamine
Concen: 3.652 ng
RT: 10.604 min Scan# 1429
Delta R.T. 0.000 min
Lab File: BF142490.D
Acq: 21 May 2025 16:32

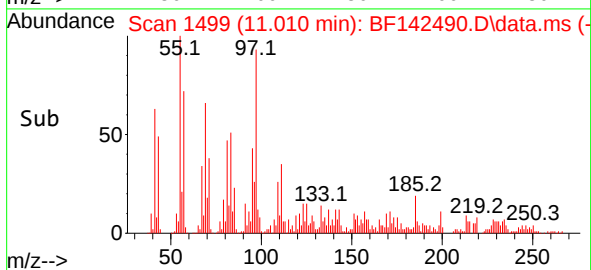
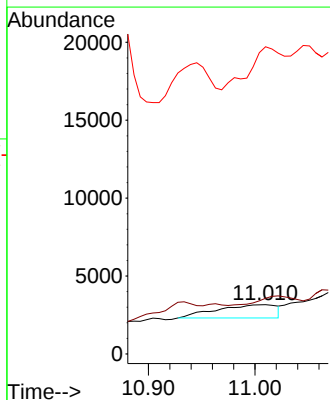
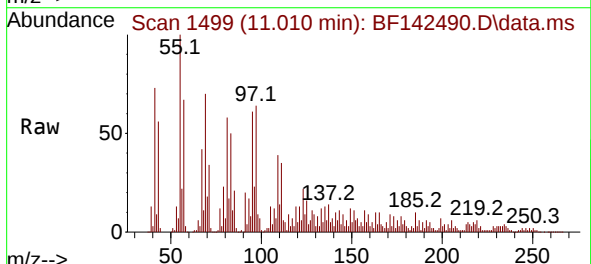
Instrument :
BNA_F
ClientSampleId :
LAW-25-0075

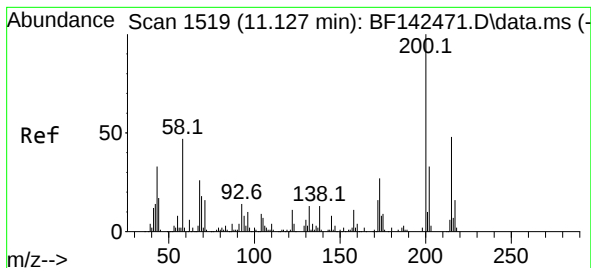
Tgt Ion:169 Resp: 16137
Ion Ratio Lower Upper
169 100
168 34.1 52.7 79.1#
167 29.1 28.3 42.5



#67
4-Bromophenyl-phenylether
Concen: 2.208 ng
RT: 11.010 min Scan# 1499
Delta R.T. 0.036 min
Lab File: BF142490.D
Acq: 21 May 2025 16:32

Tgt Ion:248 Resp: 3373
Ion Ratio Lower Upper
248 100
250 113.1 79.0 118.4
141 624.4 58.4 87.6#





#69

Atrazine

Concen: 2.407 ng

RT: 11.133 min Scan# 11

Delta R.T. 0.006 min

Lab File: BF142490.D

Acq: 21 May 2025 16:32

Instrument :

BNA_F

ClientSampleId :

LAW-25-0075

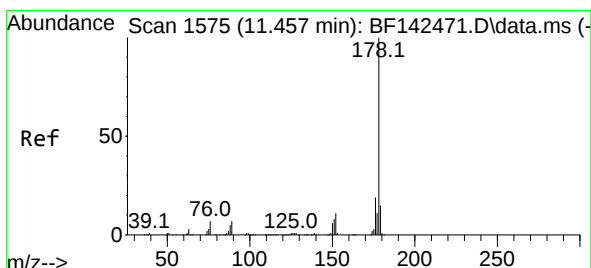
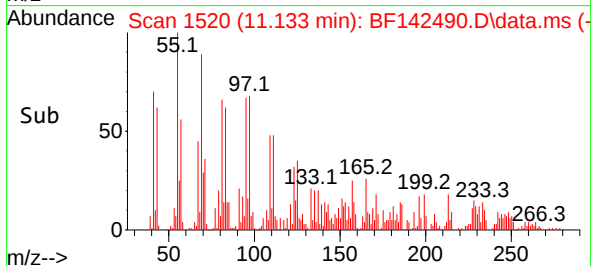
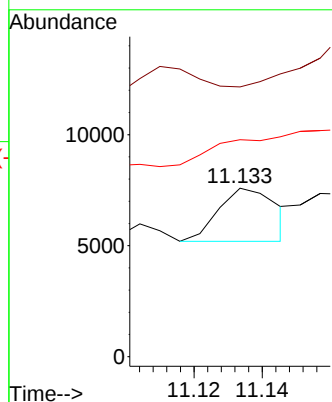
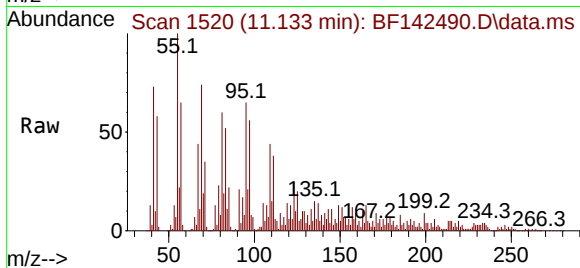
Tgt Ion:200 Resp: 2825

Ion Ratio Lower Upper

200 100

173 160.1 7.4 47.4#

215 128.8 28.5 68.5#



#71

Phenanthrene

Concen: 2.396 ng

RT: 11.463 min Scan# 1576

Delta R.T. 0.006 min

Lab File: BF142490.D

Acq: 21 May 2025 16:32

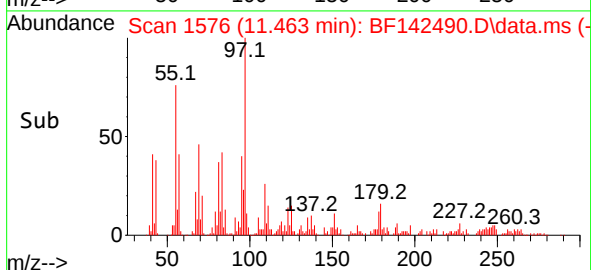
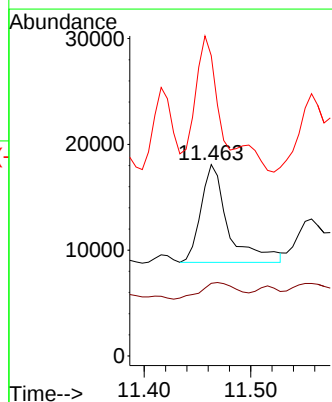
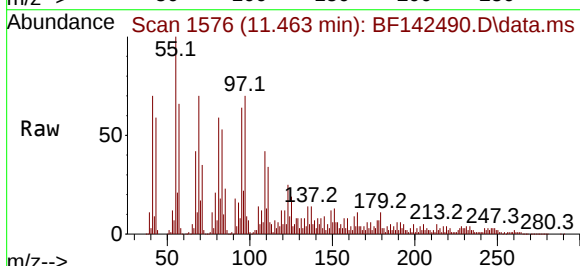
Tgt Ion:178 Resp: 16541

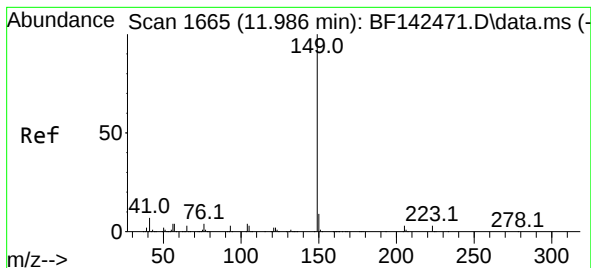
Ion Ratio Lower Upper

178 100

176 38.0 15.4 23.0#

179 156.9 12.3 18.5#





#74

Di-n-butylphthalate

Concen: 4.381 ng

RT: 11.998 min Scan# 1

Delta R.T. 0.006 min

Lab File: BF142490.D

Acq: 21 May 2025 16:32

Instrument :

BNA_F

ClientSampleId :

LAW-25-0075

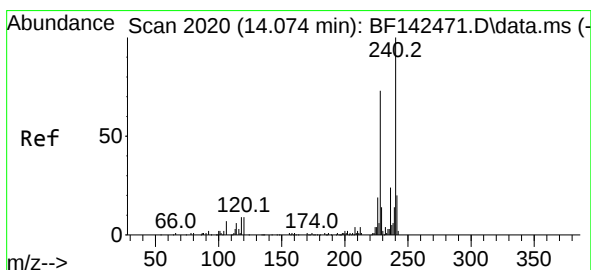
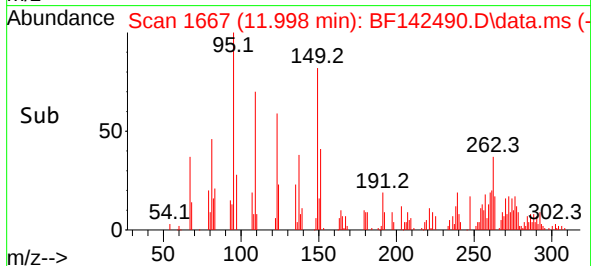
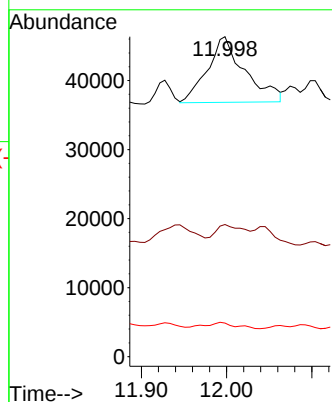
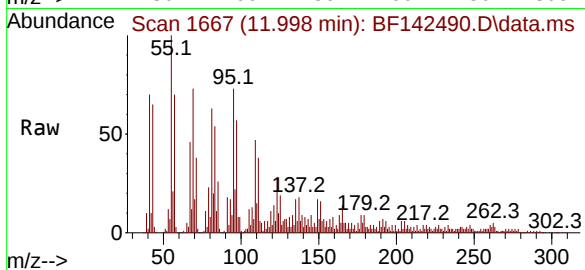
Tgt Ion:149 Resp: 28878

Ion Ratio Lower Upper

149 100

150 41.3 7.3 10.9#

104 10.5 3.6 5.4#



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.074 min Scan# 2020

Delta R.T. 0.000 min

Lab File: BF142490.D

Acq: 21 May 2025 16:32

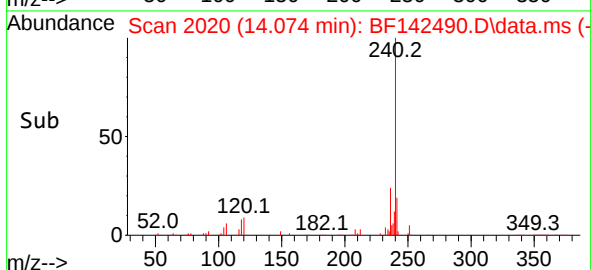
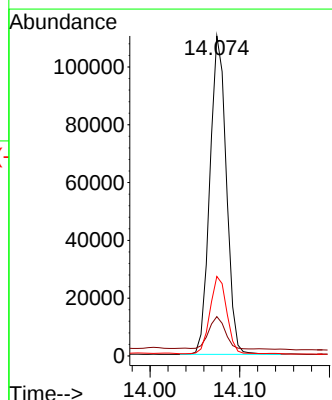
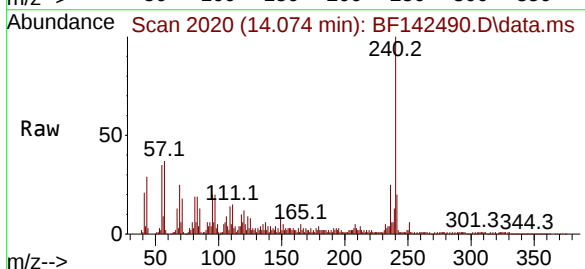
Tgt Ion:240 Resp: 140642

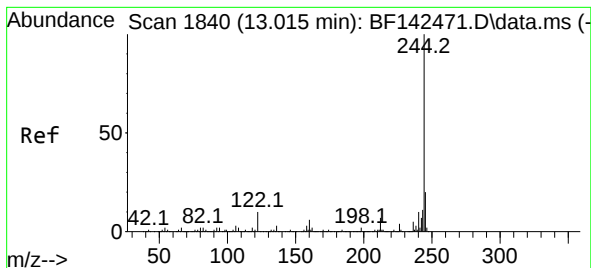
Ion Ratio Lower Upper

240 100

120 12.3 7.5 11.3#

236 24.9 19.6 29.4





#79

Terphenyl-d14

Concen: 3.533 ng

RT: 13.027 min Scan# 1842

Delta R.T. 0.012 min

Lab File: BF142490.D

Acq: 21 May 2025 16:32

Instrument :

BNA_F

ClientSampleId :

LAW-25-0075

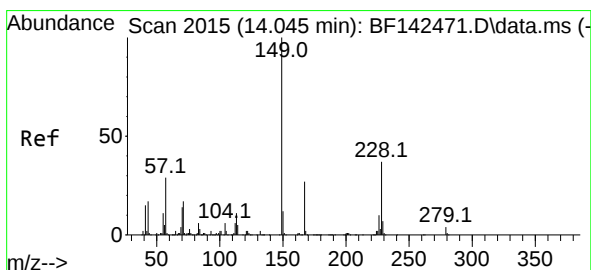
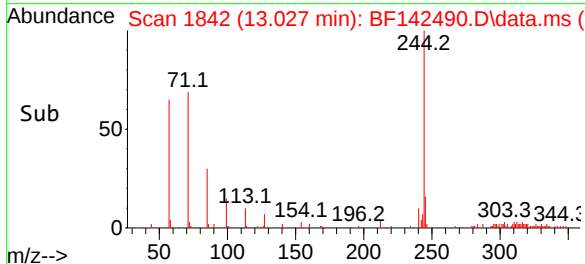
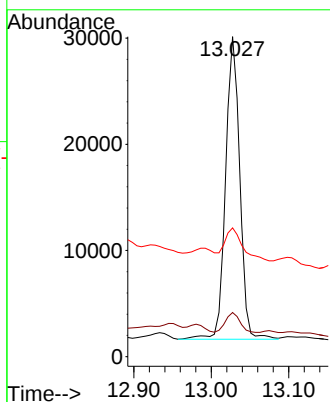
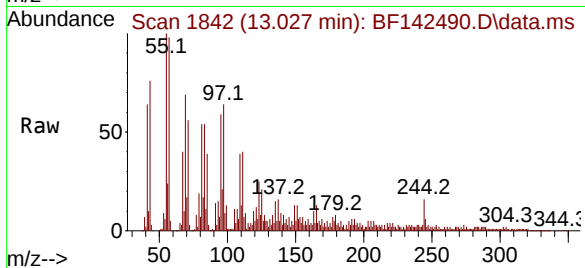
Tgt Ion:244 Resp: 36360

Ion Ratio Lower Upper

244 100

212 13.8 5.3 7.9#

122 40.3 8.2 12.2#



#84

Bis(2-ethylhexyl)phthalate

Concen: 9.378 ng

RT: 14.057 min Scan# 2017

Delta R.T. 0.006 min

Lab File: BF142490.D

Acq: 21 May 2025 16:32

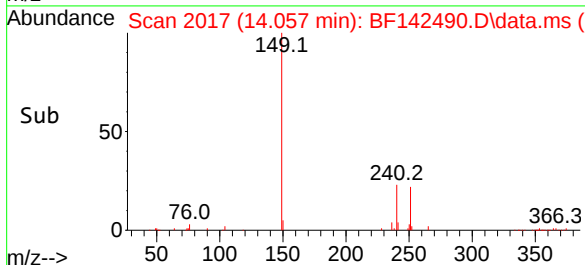
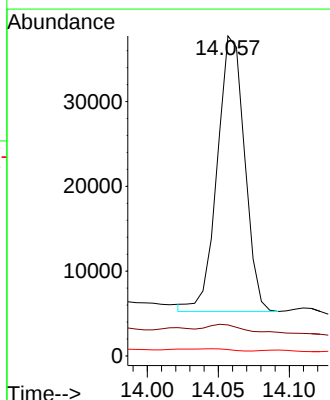
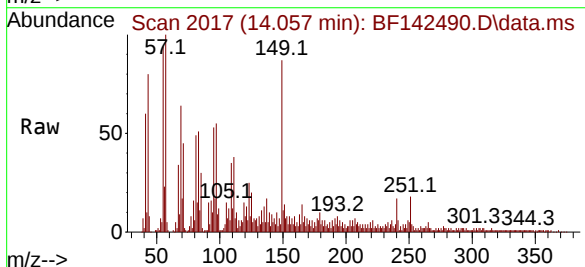
Tgt Ion:149 Resp: 43521

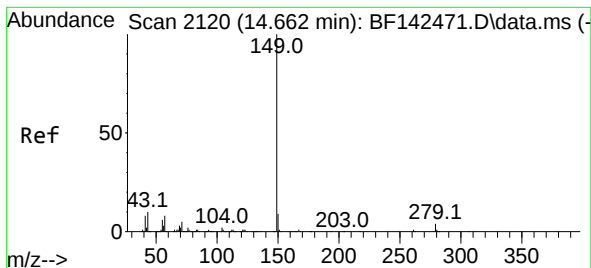
Ion Ratio Lower Upper

149 100

167 9.7 21.5 32.3#

279 2.0 3.2 4.8#





#85

Di-n-octyl phthalate

Concen: 8.974 ng

RT: 14.669 min Scan# 21

Delta R.T. 0.001 min

Lab File: BF142490.D

Acq: 21 May 2025 16:32

Instrument :

BNA_F

ClientSampleId :

LAW-25-0075

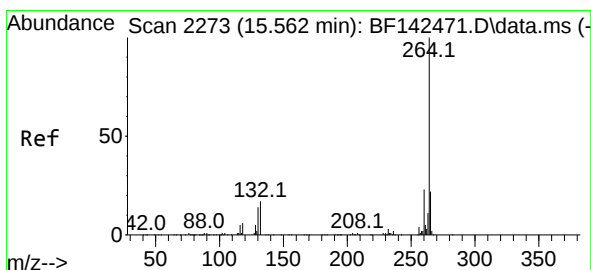
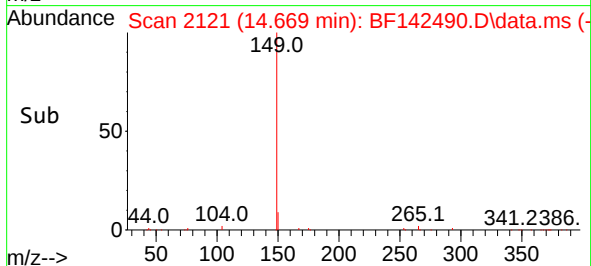
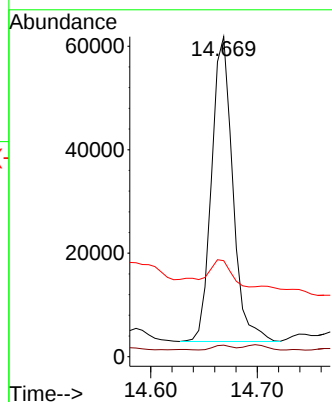
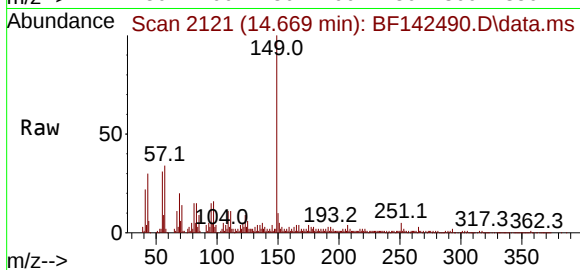
Tgt Ion:149 Resp: 81435

Ion Ratio Lower Upper

149 100

167 1.5 1.2 1.8

43 8.7 7.9 11.9



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.563 min Scan# 2273

Delta R.T. -0.006 min

Lab File: BF142490.D

Acq: 21 May 2025 16:32

Tgt Ion:264 Resp: 144042

Ion Ratio Lower Upper

264 100

260 23.0 18.6 28.0

265 21.2 17.7 26.5

