

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)

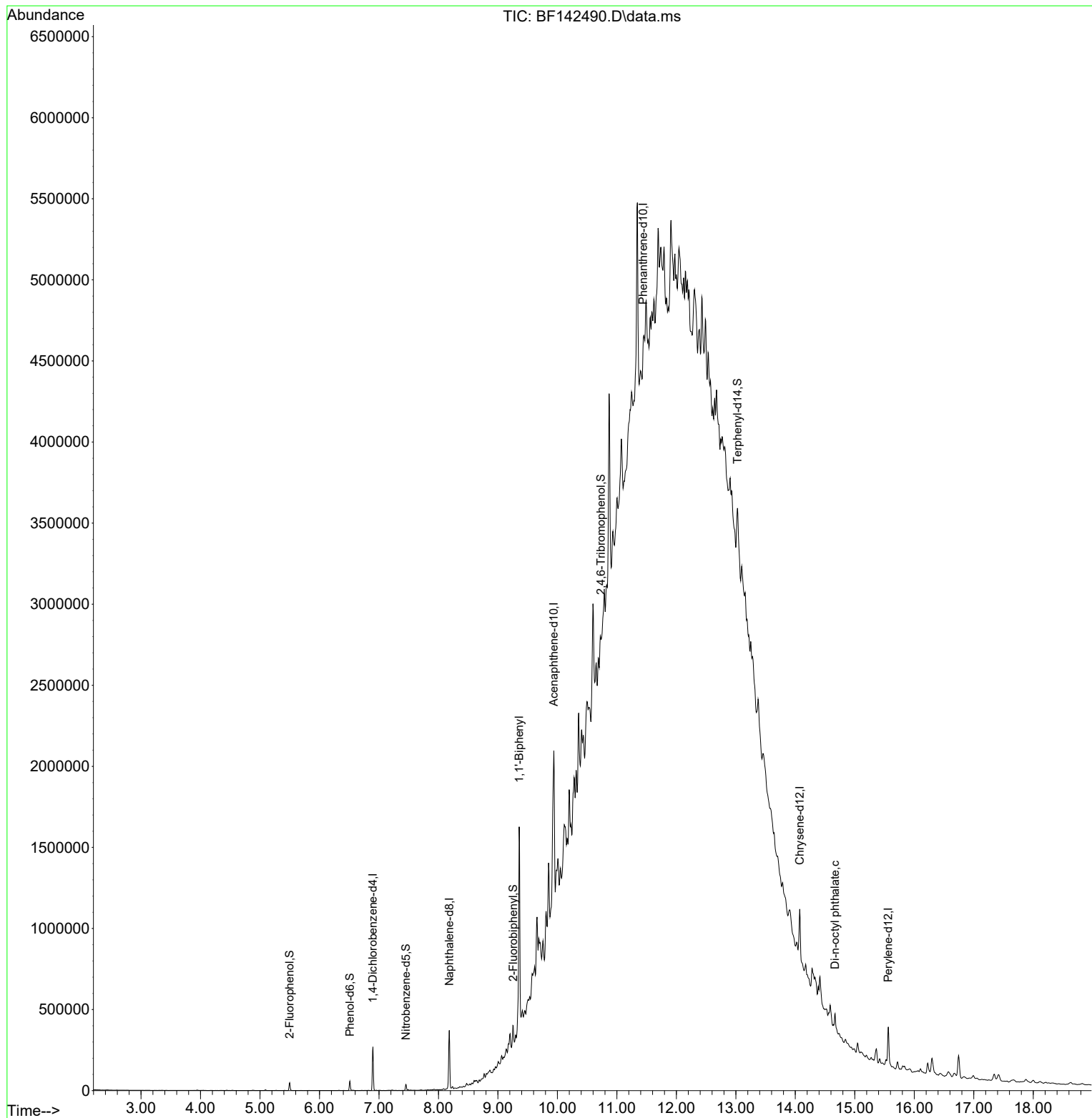
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.898	152	57777	20.000	ng	0.00
21) Naphthalene-d8	8.181	136	223350	20.000	ng	0.00
39) Acenaphthene-d10	9.939	164	108575	20.000	ng	0.00
64) Phenanthrene-d10	11.439	188	129166	20.000	ng	# 0.00
76) Chrysene-d12	14.074	240	140642	20.000	ng	# 0.00
86) Perylene-d12	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						
46) 1,1'-Biphenyl	9.357	154	573559	68.091	ng	99
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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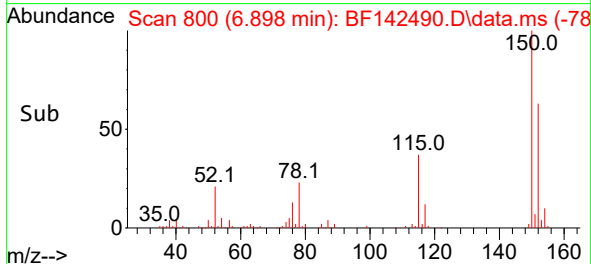
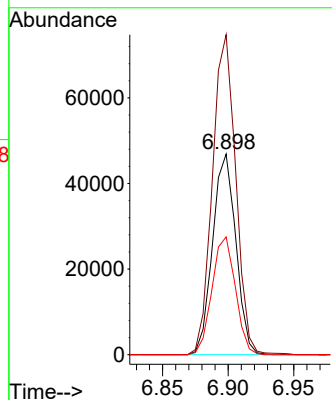
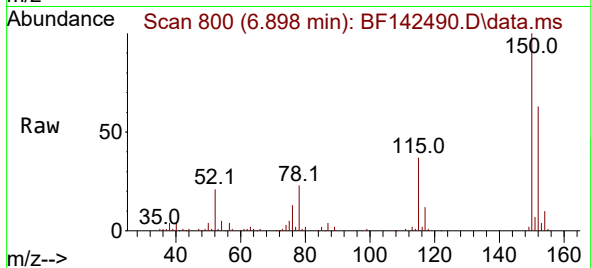




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.898 min Scan# 800
Delta R.T. -0.006 min
Lab File: BF142490.D
Acq: 21 May 2025 16:32

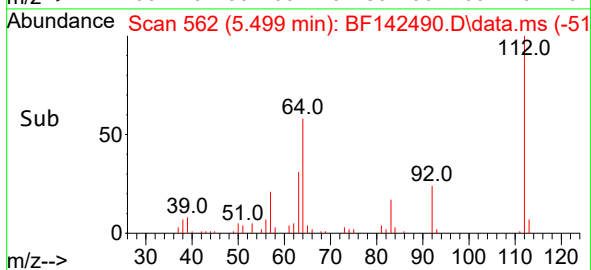
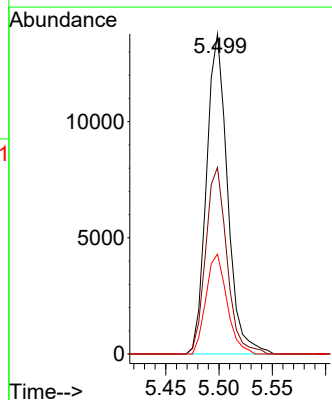
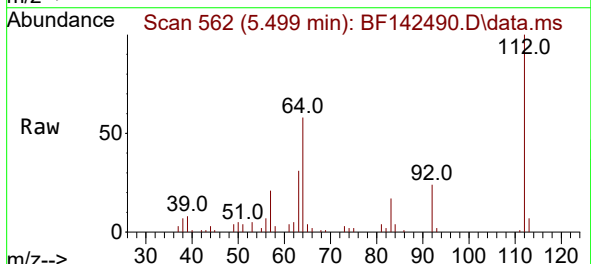
Instrument :
BNA_F
ClientSampleId :
LAW-25-0075

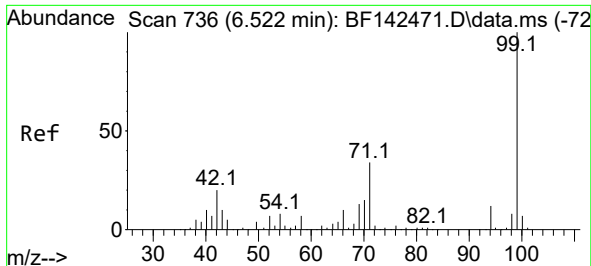
Tgt Ion:152 Resp: 57777
Ion Ratio Lower Upper
152 100
150 159.5 128.2 192.4
115 58.7 48.3 72.5



#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

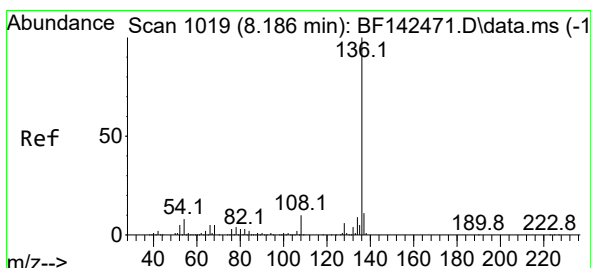
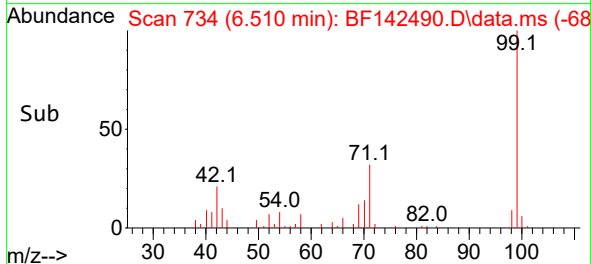
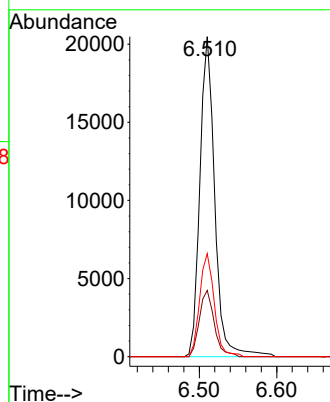
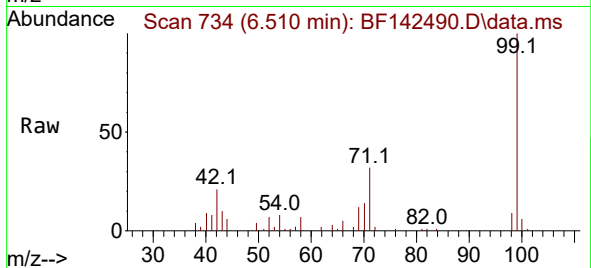




#7
Phenol-d6
Concen: 6.604 ng
RT: 6.510 min Scan# 71
Delta R.T. -0.023 min
Lab File: BF142490.D
Acq: 21 May 2025 16:32

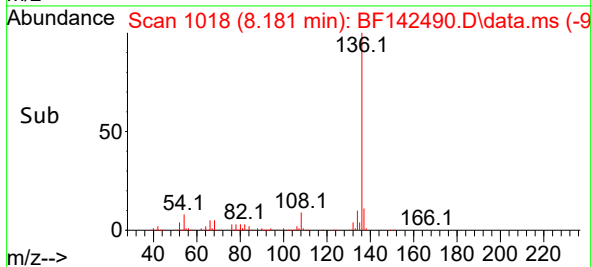
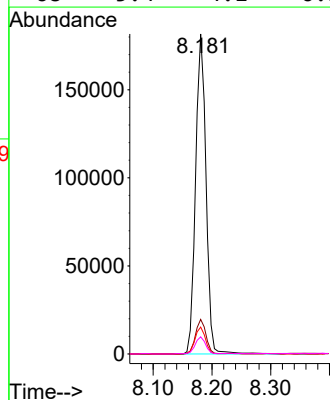
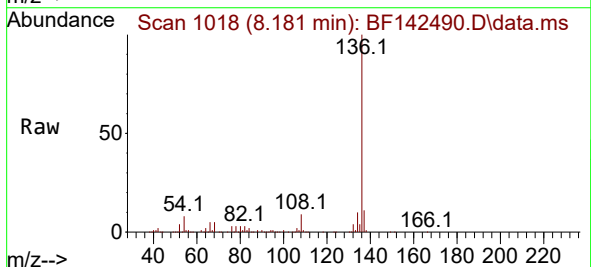
Instrument :
BNA_F
ClientSampleId :
LAW-25-0075

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# 896

Delta R.T. -0.023 min

Lab File: BF142490.D

Acq: 21 May 2025 16:32

Instrument :

BNA_F

ClientSampleId :

LAW-25-0075

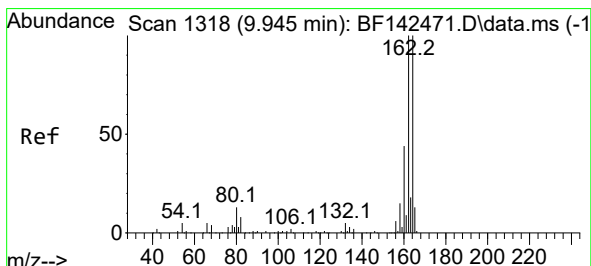
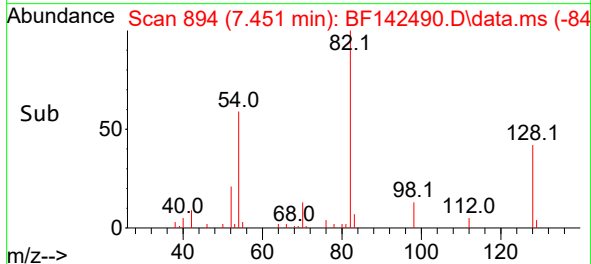
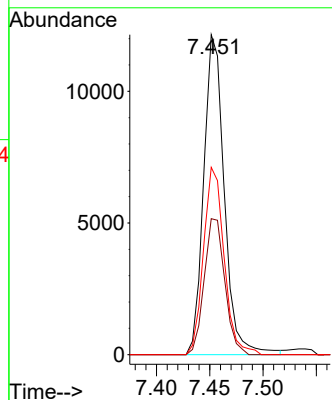
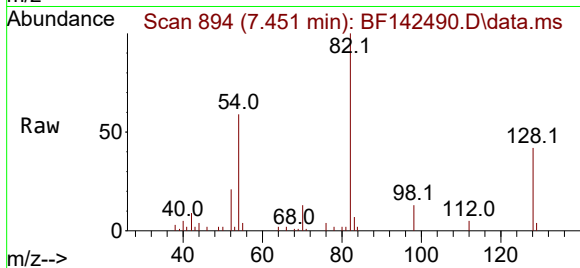
Tgt Ion: 82 Resp: 16380

Ion Ratio Lower Upper

82 100

128 42.5 37.4 56.2

54 58.6 46.6 70.0



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.939 min Scan# 1317

Delta R.T. -0.006 min

Lab File: BF142490.D

Acq: 21 May 2025 16:32

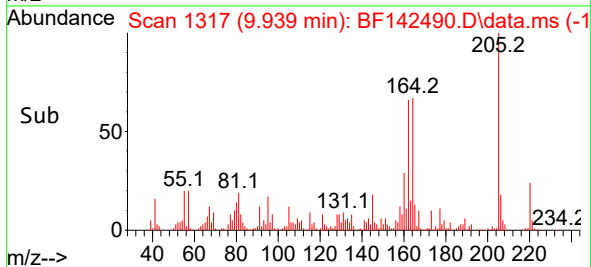
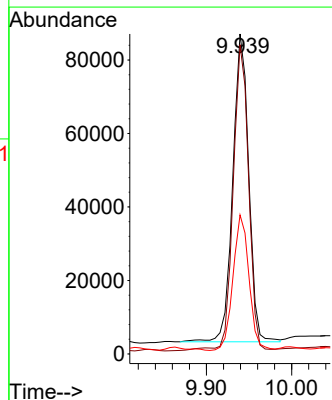
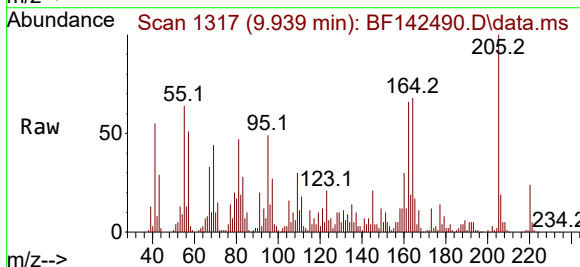
Tgt Ion:164 Resp: 108575

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

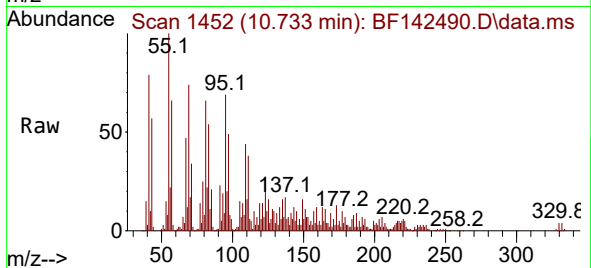
Acq: 21 May 2025 16:32

Instrument :

BNA_F

ClientSampleId :

LAW-25-0075



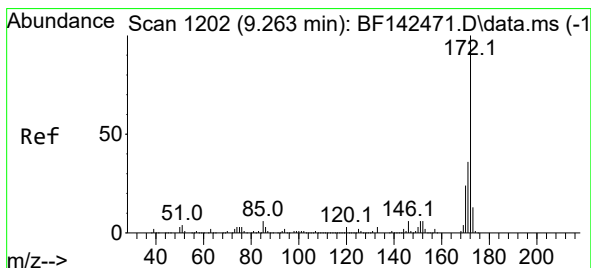
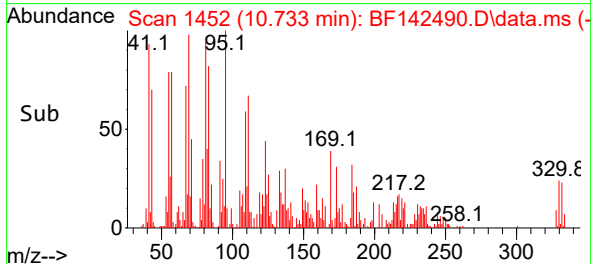
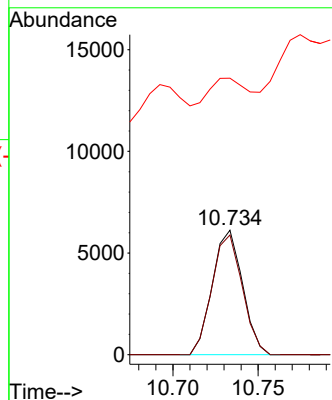
Tgt Ion:330 Resp: 7539

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# 1201

Delta R.T. -0.012 min

Lab File: BF142490.D

Acq: 21 May 2025 16:32

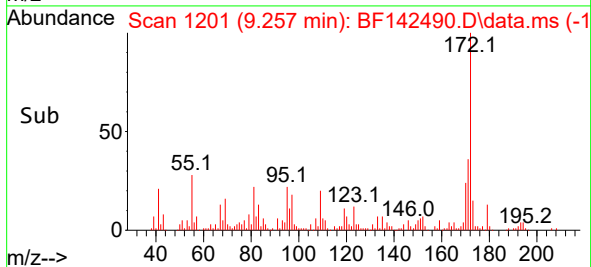
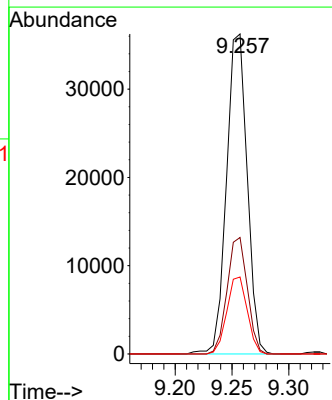
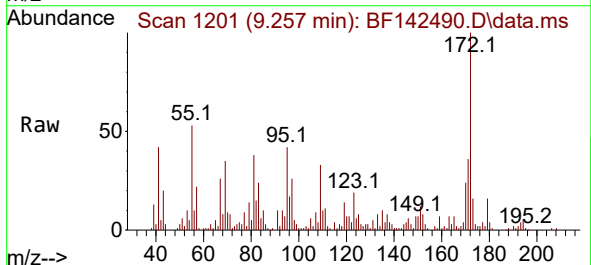
Tgt Ion:172 Resp: 45888

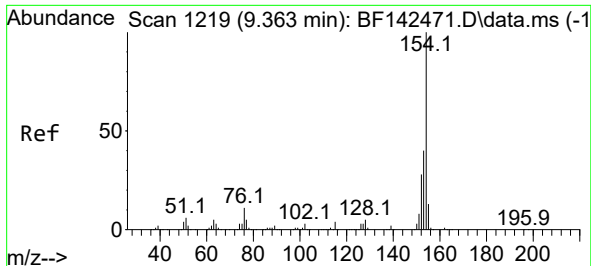
Ion Ratio Lower Upper

172 100

171 36.4 28.6 42.8

170 24.1 18.9 28.3

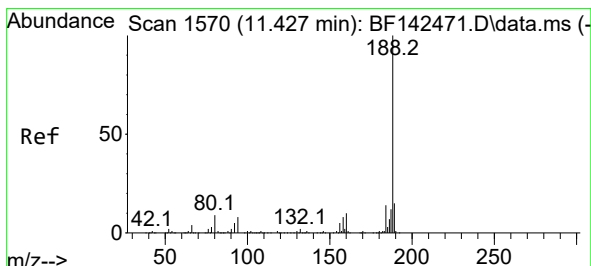
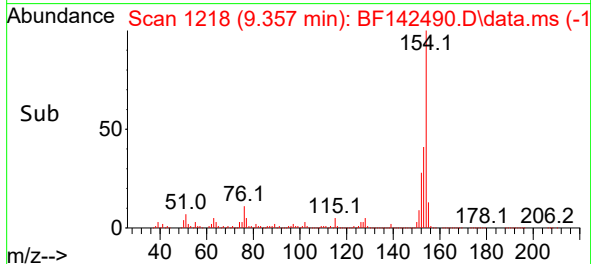
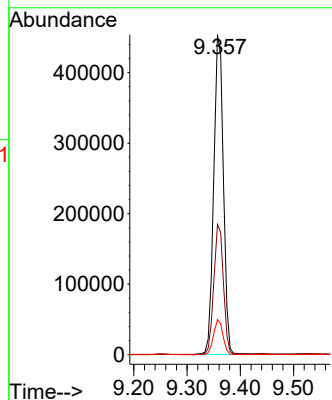
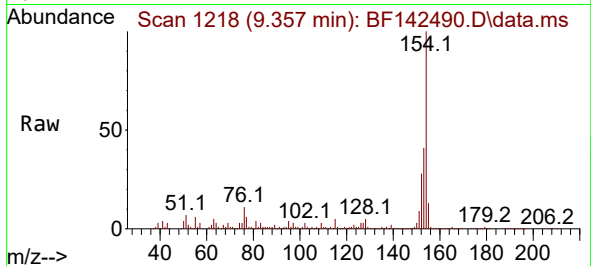




#46
 1,1'-Biphenyl
 Concen: 68.091 ng
 RT: 9.357 min Scan# 11
 Delta R.T. -0.012 min
 Lab File: BF142490.D
 Acq: 21 May 2025 16:32

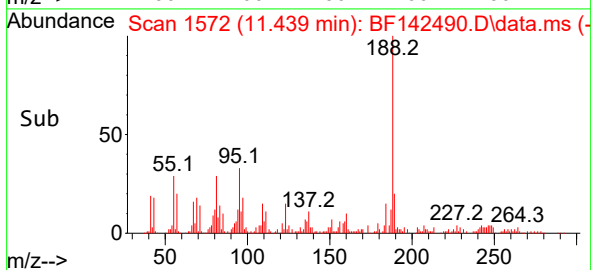
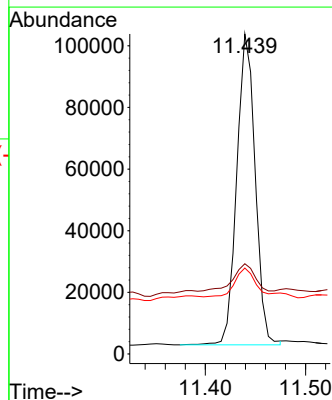
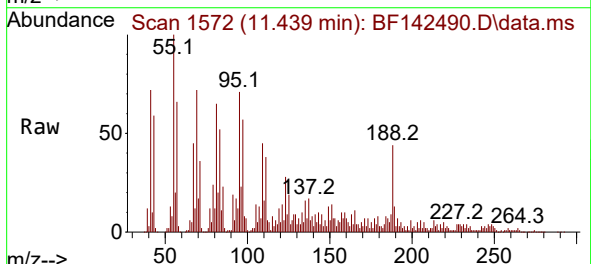
Instrument :
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 LAW-25-0075

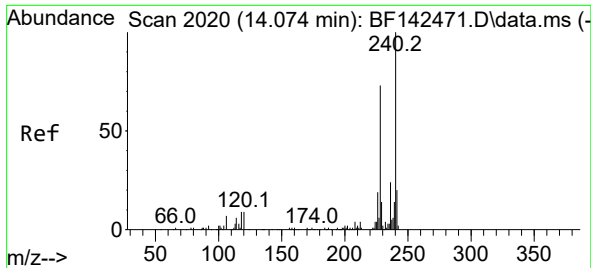
Tgt Ion:154 Resp: 573559
 Ion Ratio Lower Upper
 154 100
 153 40.7 20.4 60.4
 76 11.0 0.0 30.8



#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#

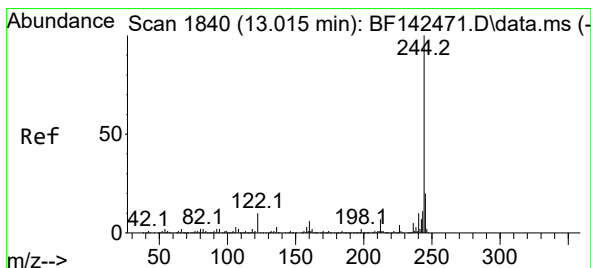
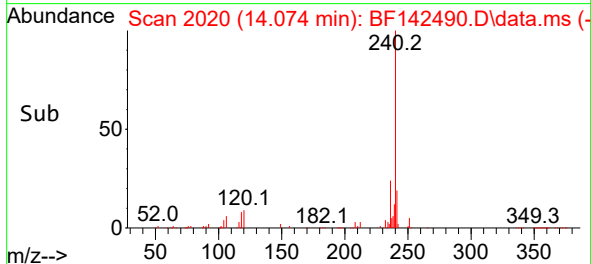
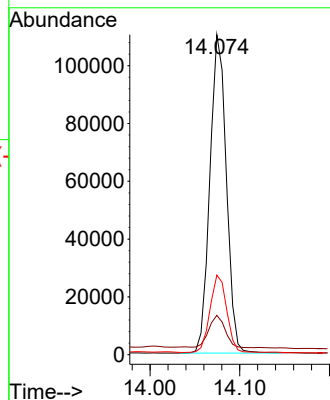
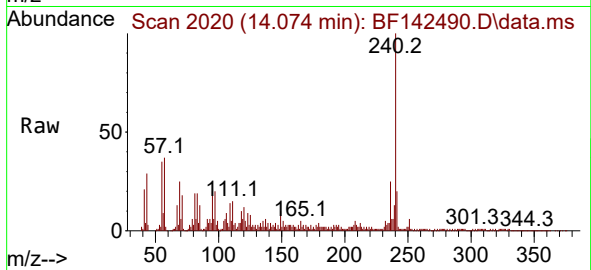




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.074 min Scan# 20
Delta R.T. 0.000 min
Lab File: BF142490.D
Acq: 21 May 2025 16:32

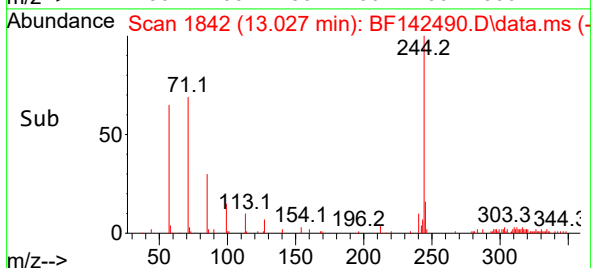
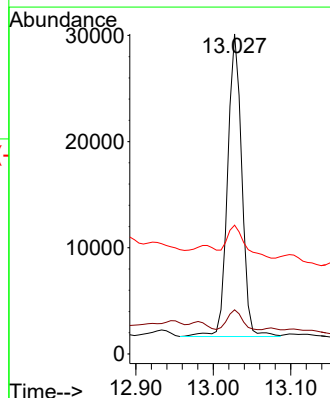
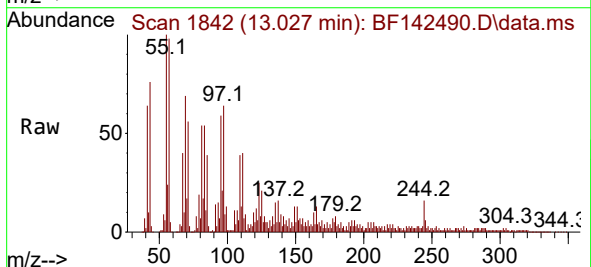
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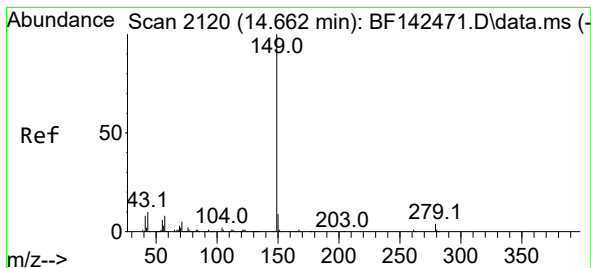
Tgt Ion:240 Resp: 140642
Ion Ratio Lower Upper
240 100
120 12.3 7.5 11.3#
236 24.9 19.6 29.4



#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

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#





#85

Di-n-octyl phthalate

Concen: 8.974 ng

RT: 14.669 min Scan# 2120

Delta R.T. 0.001 min

Lab File: BF142490.D

Acq: 21 May 2025 16:32

Instrument :

BNA_F

ClientSampleId :

LAW-25-0075

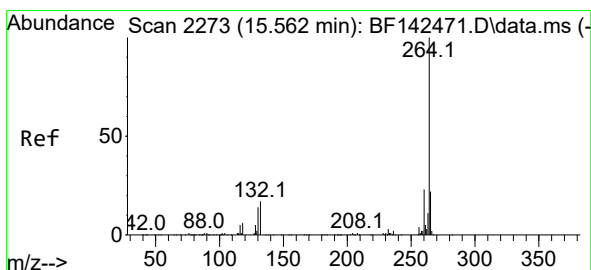
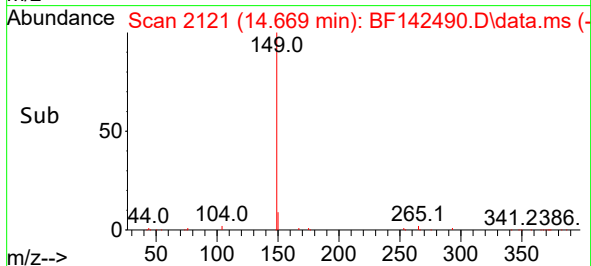
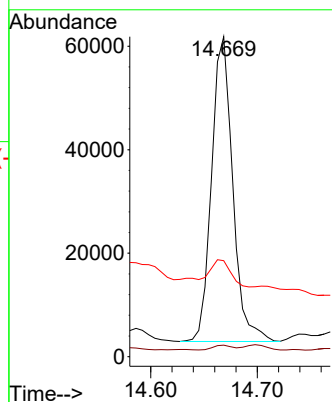
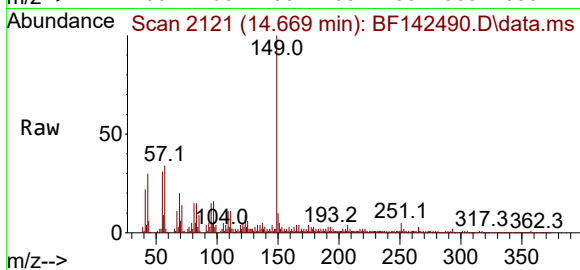
Tgt Ion:149 Resp: 81435

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

