

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052325\
 Data File : BF142543.D
 Acq On : 23 May 2025 18:58
 Operator : RC/JU
 Sample : Q2102-03
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LAW-25-0078

Quant Time: May 23 22:53:30 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)

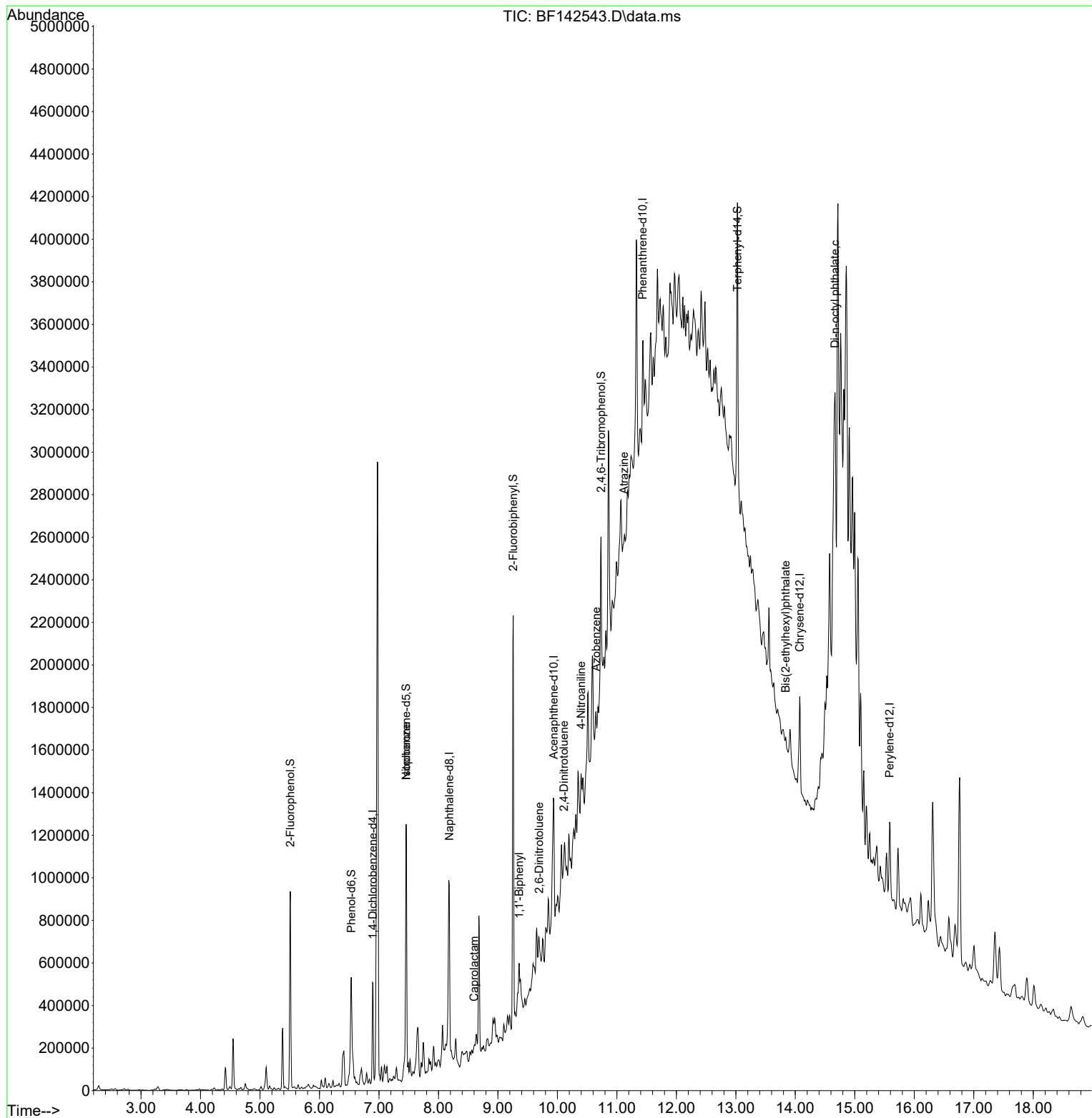
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.898	152	101819	20.000	ng	0.00
21) Naphthalene-d8	8.181	136	339360	20.000	ng	0.00
39) Acenaphthene-d10	9.939	164	143047	20.000	ng	0.00
64) Phenanthrene-d10	11.433	188	189633	20.000	ng	# 0.00
76) Chrysene-d12	14.074	240	217875	20.000	ng	# 0.00
86) Perylene-d12	15.586	264	195613	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	351902	58.228	ng	0.00
7) Phenol-d6	6.534	99	269190	37.002	ng	0.00
23) Nitrobenzene-d5	7.457	82	487267	78.295	ng	-0.02
42) 2,4,6-Tribromophenol	10.733	330	165980	104.545	ng	0.00
45) 2-Fluorobiphenyl	9.257	172	887578	83.260	ng	-0.01
79) Terphenyl-d14	13.027	244	746909	46.847	ng	0.01
Target Compounds						
						Qvalue
25) Isophorone	7.457	82	465067	44.695	ng	# 63
35) Caprolactam	8.598	113	13829	10.237	ng	# 72
46) 1,1'-Biphenyl	9.357	154	102270	9.215	ng	99
51) 2,6-Dinitrotoluene	9.692	165	10792	5.298	ng	# 39
57) 2,4-Dinitrotoluene	10.110	165	6589	2.477	ng	# 72
62) 4-Nitroaniline	10.398	138	7017	3.477	ng	87
63) Azobenzene	10.651	77	31507	3.805	ng	# 24
69) Atrazine	11.122	200	3636	2.110	ng	# 1
84) Bis(2-ethylhexyl)phtha...	13.839	149	26233	3.649	ng	93
85) Di-n-octyl phthalate	14.668	149	1107168	78.760	ng	# 67

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052325\
Data File : BF142543.D
Acq On : 23 May 2025 18:58
Operator : RC/JU
Sample : Q2102-03
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
LAW-25-0078

Quant Time: May 23 22:53:30 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

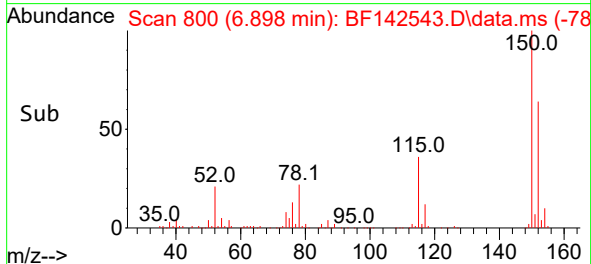
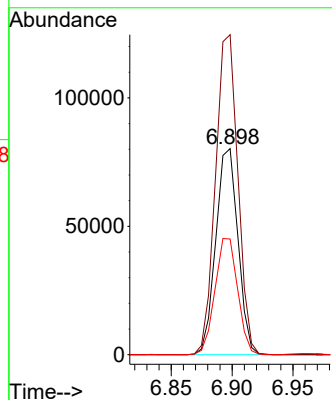
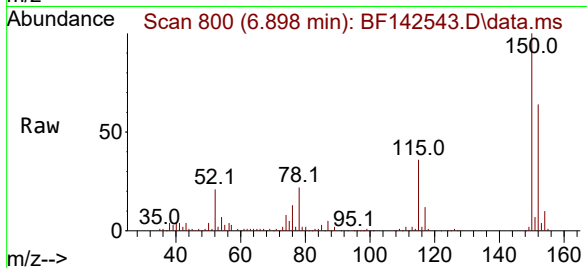




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.898 min Scan# 800
Delta R.T. -0.006 min
Lab File: BF142543.D
Acq: 23 May 2025 18:58

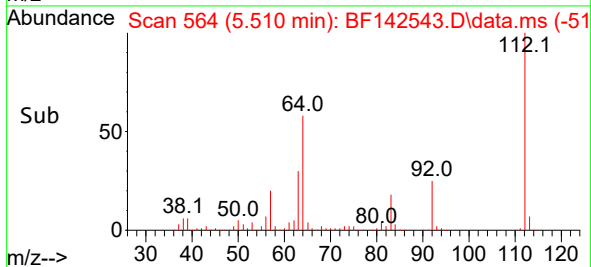
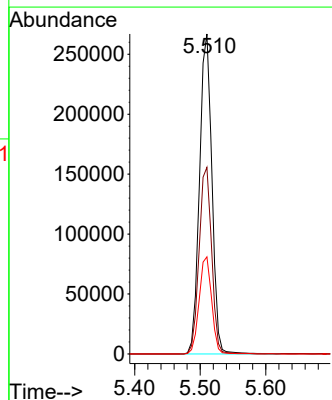
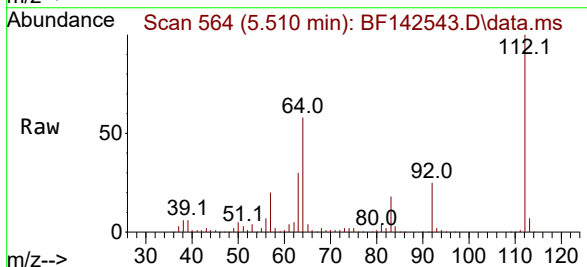
Instrument :
BNA_F
ClientSampleId :
LAW-25-0078

Tgt Ion:152 Resp: 101819
Ion Ratio Lower Upper
152 100
150 155.3 128.2 192.4
115 56.1 48.3 72.5



#5
2-Fluorophenol
Concen: 58.228 ng
RT: 5.510 min Scan# 564
Delta R.T. -0.006 min
Lab File: BF142543.D
Acq: 23 May 2025 18:58

Tgt Ion:112 Resp: 351902
Ion Ratio Lower Upper
112 100
64 58.3 47.5 71.3
63 30.4 24.9 37.3

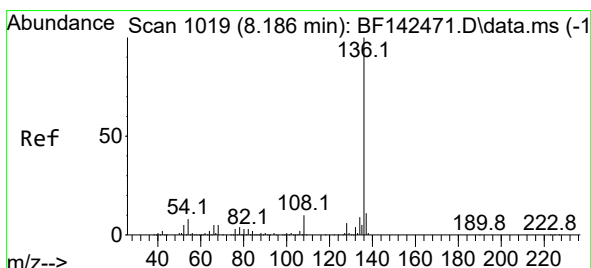
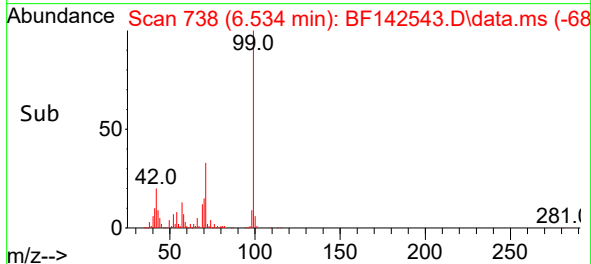
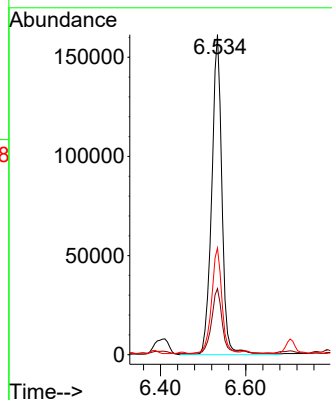
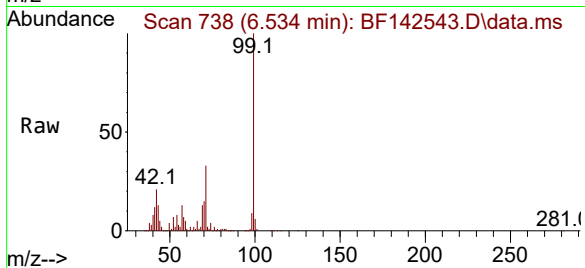




#7
Phenol-d6
Concen: 37.002 ng
RT: 6.534 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF142543.D
Acq: 23 May 2025 18:58

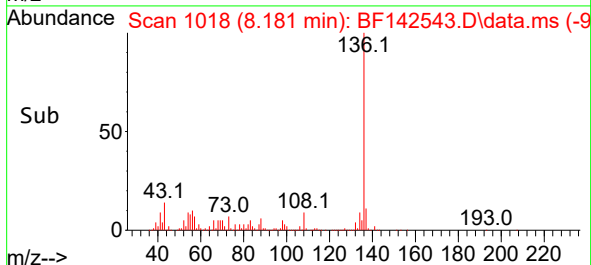
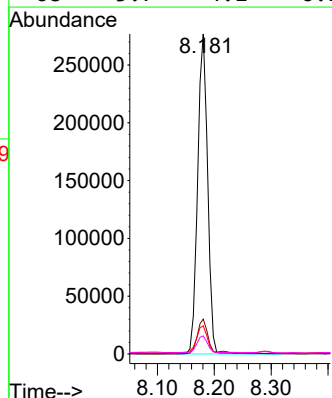
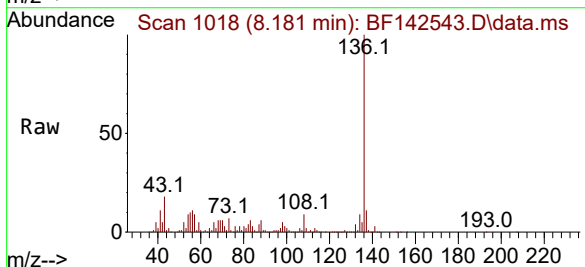
Instrument :
BNA_F
ClientSampleId :
LAW-25-0078

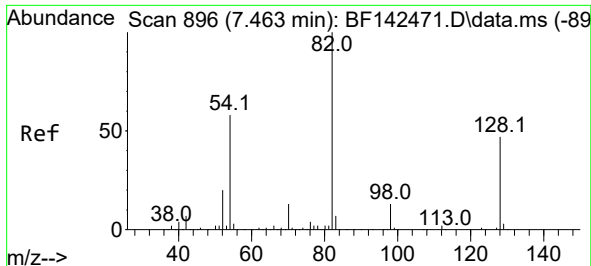
Tgt Ion: 99 Resp: 269190
Ion Ratio Lower Upper
99 100
42 20.6 16.2 24.2
71 33.3 27.3 40.9



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.181 min Scan# 1018
Delta R.T. -0.006 min
Lab File: BF142543.D
Acq: 23 May 2025 18:58

Tgt Ion: 136 Resp: 339360
Ion Ratio Lower Upper
136 100
137 10.9 8.6 13.0
54 8.8 6.6 10.0
68 5.7 4.1 6.1





#23

Nitrobenzene-d5

Concen: 78.295 ng

RT: 7.457 min Scan# 895

Delta R.T. -0.018 min

Lab File: BF142543.D

Acq: 23 May 2025 18:58

Instrument :

BNA_F

ClientSampleId :

LAW-25-0078

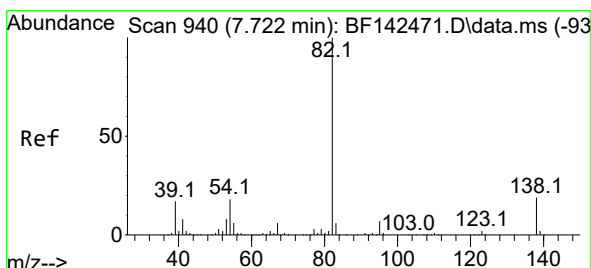
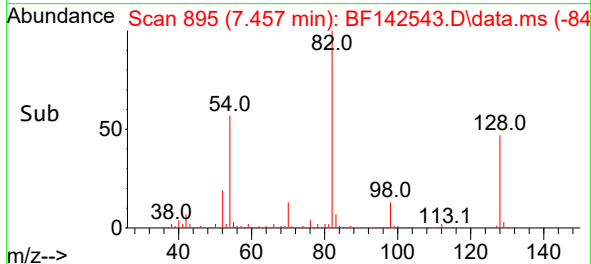
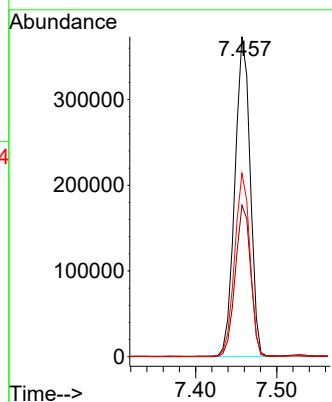
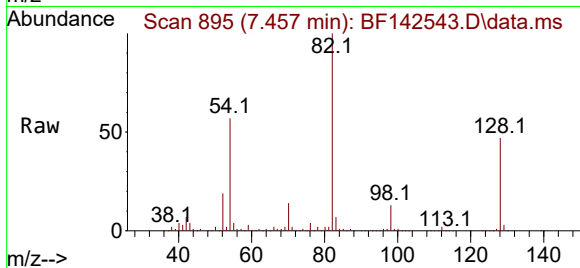
Tgt Ion: 82 Resp: 487267

Ion Ratio Lower Upper

82 100

128 47.3 37.4 56.2

54 57.3 46.6 70.0



#25

Isophorone

Concen: 44.695 ng

RT: 7.457 min Scan# 895

Delta R.T. -0.276 min

Lab File: BF142543.D

Acq: 23 May 2025 18:58

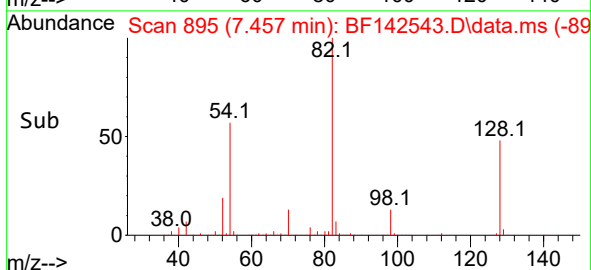
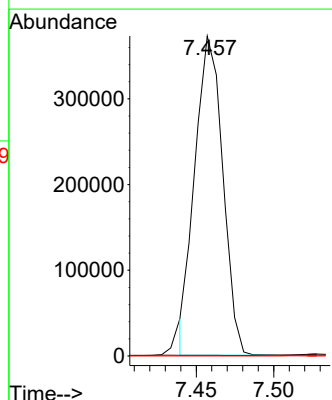
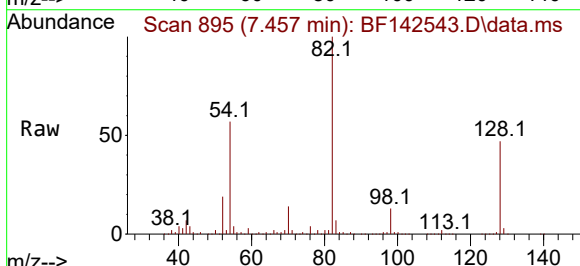
Tgt Ion: 82 Resp: 465067

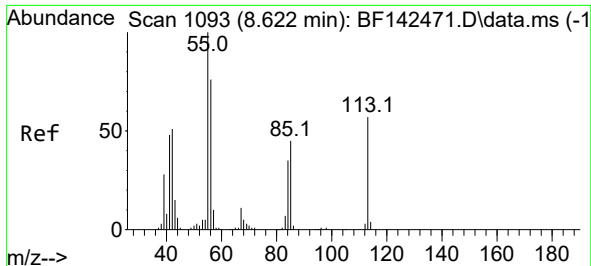
Ion Ratio Lower Upper

82 100

95 0.2 6.0 9.0#

138 0.0 15.5 23.3#

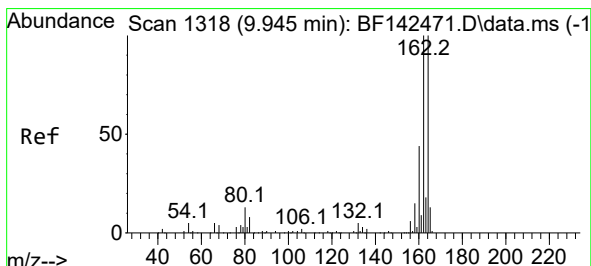
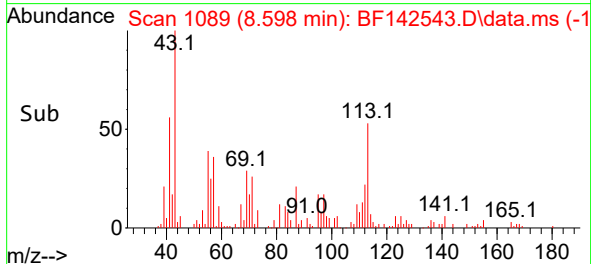
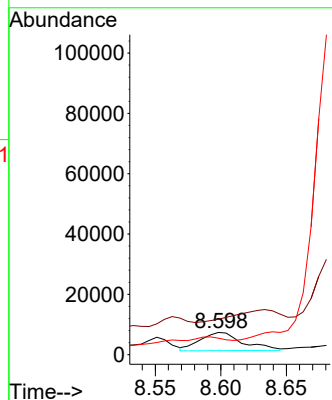
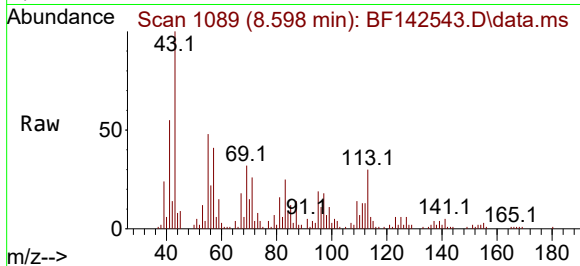




#35
Caprolactam
Concen: 10.237 ng
RT: 8.598 min Scan# 1093
Delta R.T. -0.047 min
Lab File: BF142543.D
Acq: 23 May 2025 18:58

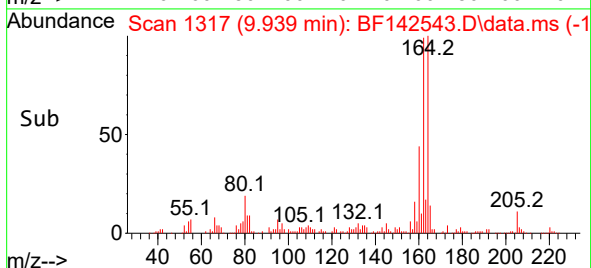
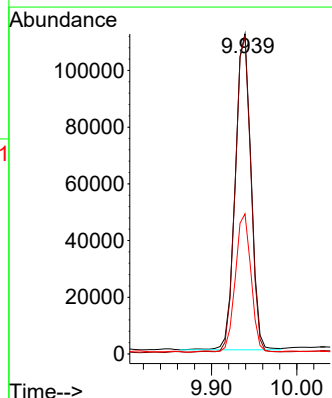
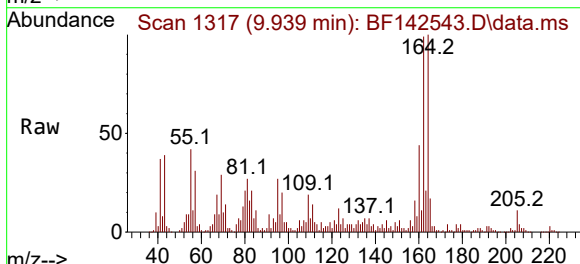
Instrument :
BNA_F
ClientSampleId :
LAW-25-0078

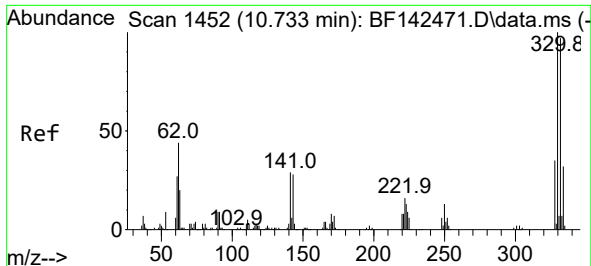
Tgt Ion:113 Resp: 13829
Ion Ratio Lower Upper
113 100
55 160.1 154.7 194.7
56 74.2 113.2 153.2#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.939 min Scan# 1317
Delta R.T. -0.006 min
Lab File: BF142543.D
Acq: 23 May 2025 18:58

Tgt Ion:164 Resp: 143047
Ion Ratio Lower Upper
164 100
162 99.2 80.2 120.4
160 43.8 35.6 53.4





#42

2,4,6-Tribromophenol

Concen: 104.545 ng

RT: 10.733 min Scan# 1452

Delta R.T. -0.006 min

Lab File: BF142543.D

Acq: 23 May 2025 18:58

Instrument :

BNA_F

ClientSampleId :

LAW-25-0078

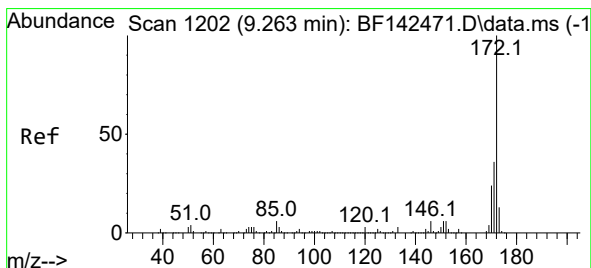
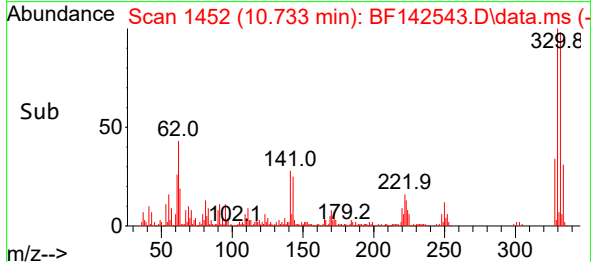
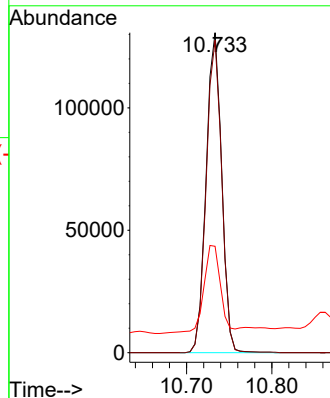
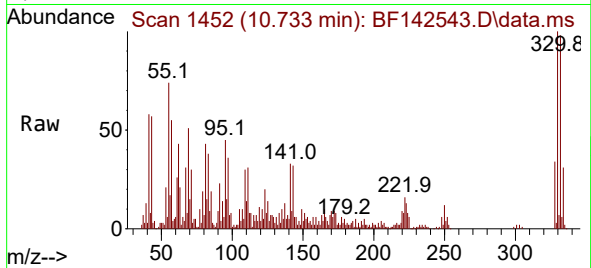
Tgt Ion:330 Resp: 165980

Ion Ratio Lower Upper

330 100

332 97.3 77.6 116.4

141 29.6 24.6 36.8



#45

2-Fluorobiphenyl

Concen: 83.260 ng

RT: 9.257 min Scan# 1201

Delta R.T. -0.012 min

Lab File: BF142543.D

Acq: 23 May 2025 18:58

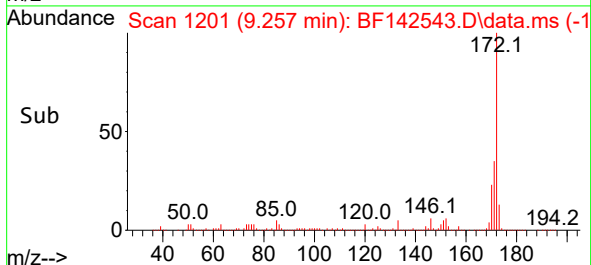
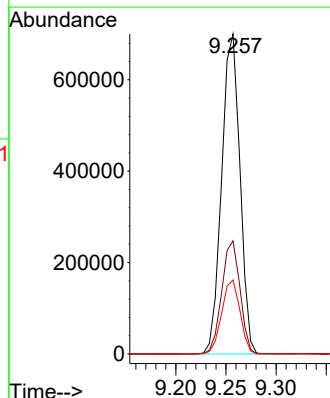
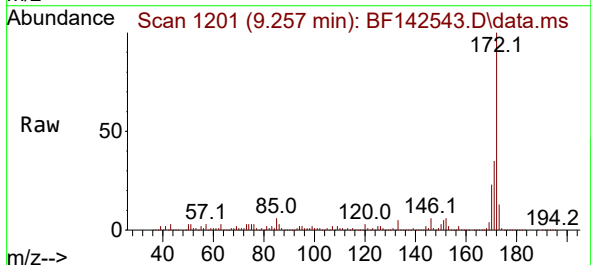
Tgt Ion:172 Resp: 887578

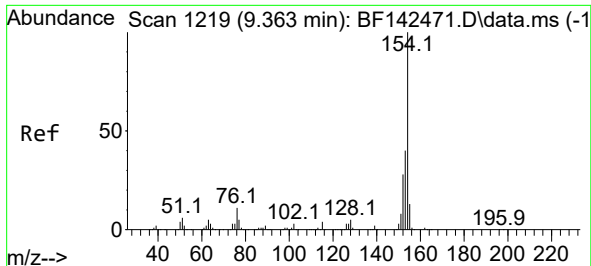
Ion Ratio Lower Upper

172 100

171 35.4 28.6 42.8

170 23.2 18.9 28.3

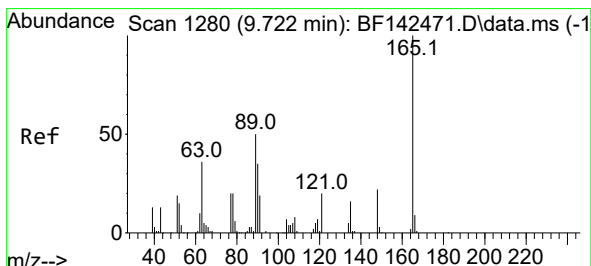
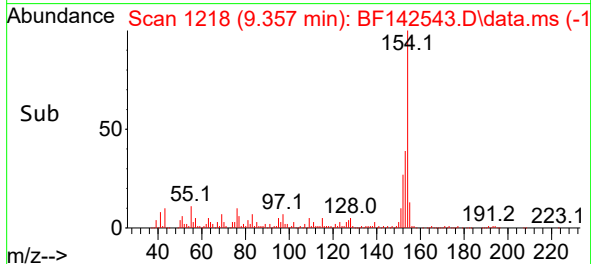
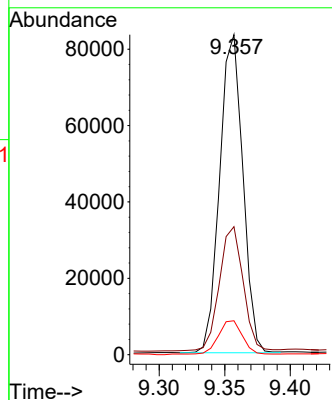
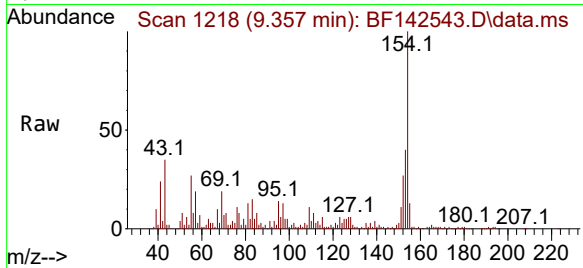




#46
1,1'-Biphenyl
Concen: 9.215 ng
RT: 9.357 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF142543.D
Acq: 23 May 2025 18:58

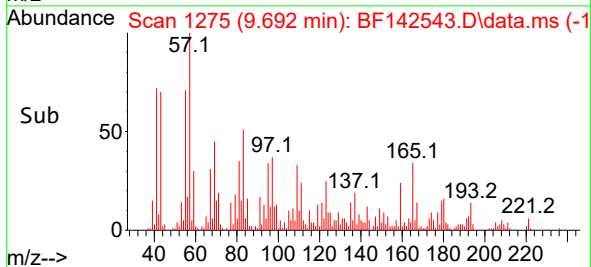
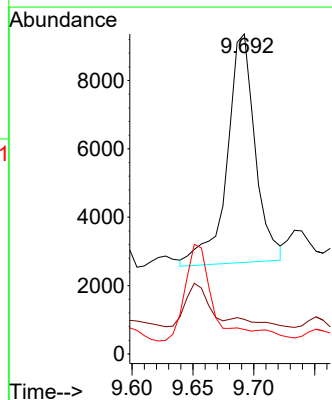
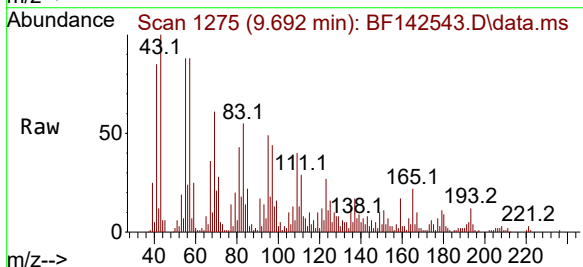
Instrument :
BNA_F
ClientSampleId :
LAW-25-0078

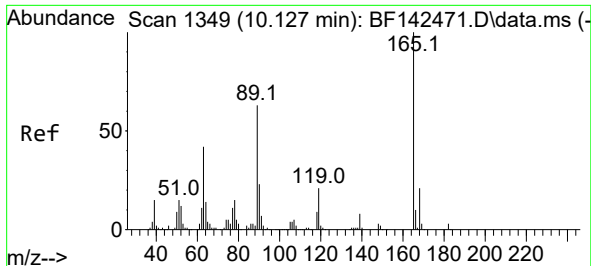
Tgt Ion:154 Resp: 102270
Ion Ratio Lower Upper
154 100
153 40.0 20.4 60.4
76 10.6 0.0 30.8



#51
2,6-Dinitrotoluene
Concen: 5.298 ng
RT: 9.692 min Scan# 1275
Delta R.T. -0.035 min
Lab File: BF142543.D
Acq: 23 May 2025 18:58

Tgt Ion:165 Resp: 10792
Ion Ratio Lower Upper
165 100
63 10.8 42.9 64.3#
89 7.6 40.2 60.4#

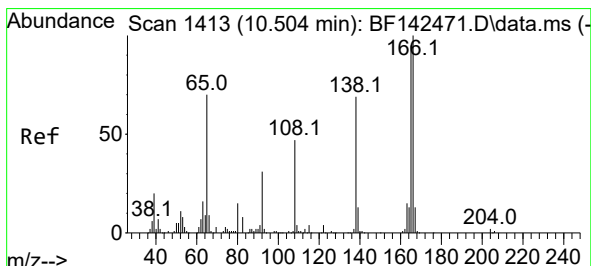
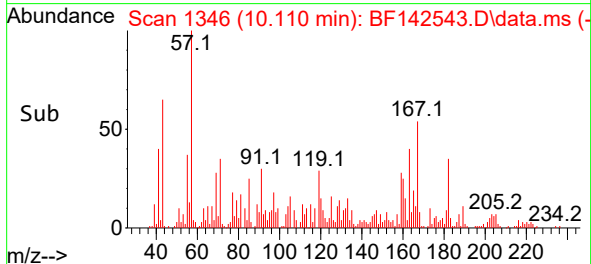
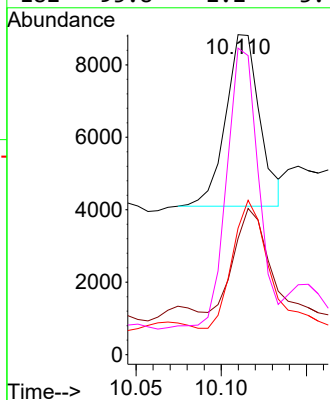
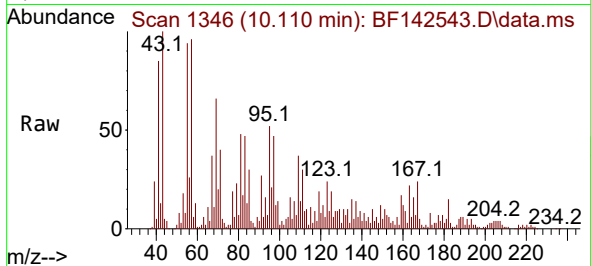




#57
2,4-Dinitrotoluene
Concen: 2.477 ng
RT: 10.110 min Scan# 1346
Delta R.T. -0.023 min
Lab File: BF142543.D
Acq: 23 May 2025 18:58

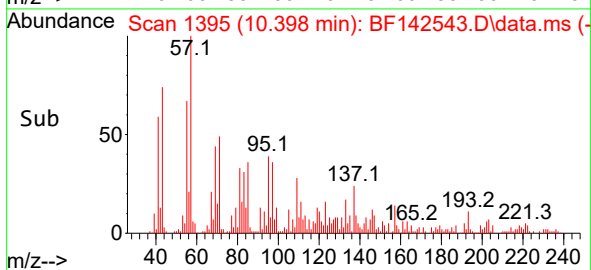
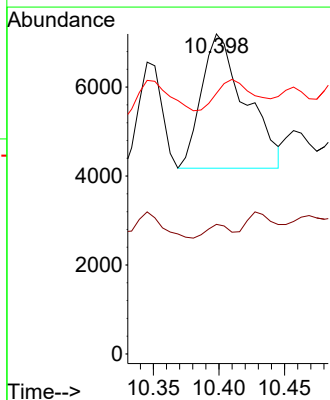
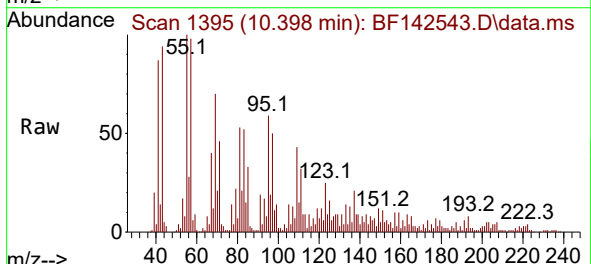
Instrument :
BNA_F
ClientSampleId :
LAW-25-0078

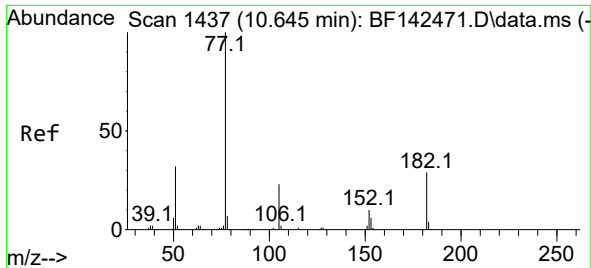
Tgt Ion:165	Resp:	6589
Ion Ratio	Lower	Upper
165	100	
63	36.3	33.6 50.4
89	39.5	50.2 75.4#
182	95.8	2.2 3.4#



#62
4-Nitroaniline
Concen: 3.477 ng
RT: 10.398 min Scan# 1395
Delta R.T. -0.118 min
Lab File: BF142543.D
Acq: 23 May 2025 18:58

Tgt Ion:138	Resp:	7017
Ion Ratio	Lower	Upper
138	100	
92	40.5	26.0 66.0
108	81.4	48.4 88.4

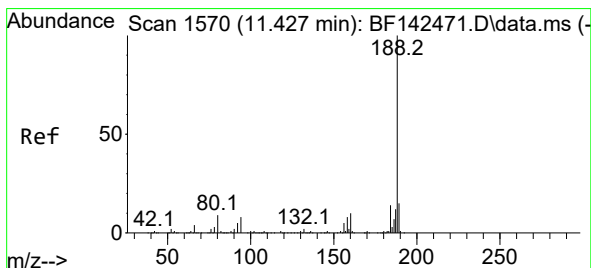
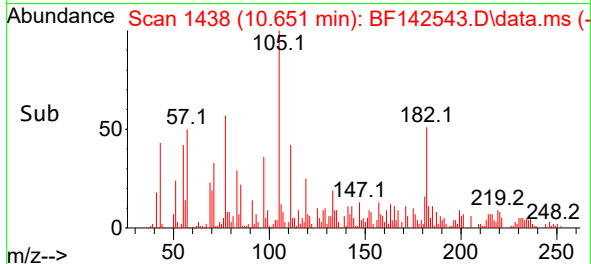
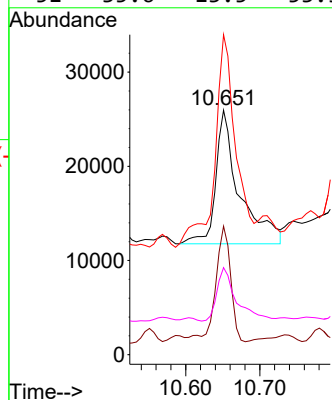
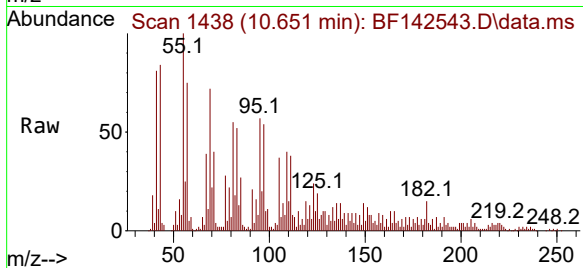




#63
 Azobenzene
 Concen: 3.805 ng
 RT: 10.651 min Scan# 1437
 Delta R.T. 0.006 min
 Lab File: BF142543.D
 Acq: 23 May 2025 18:58

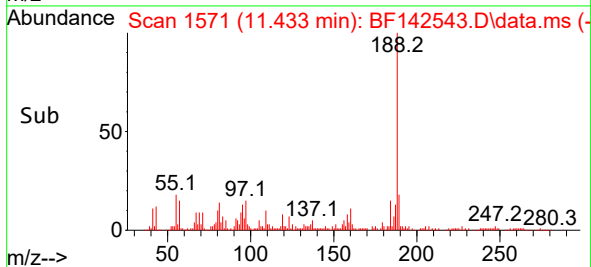
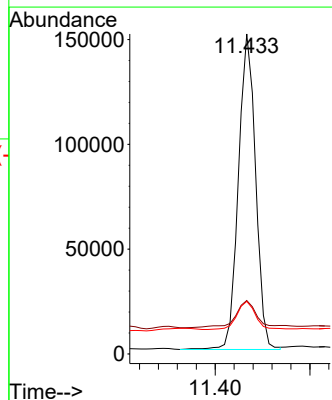
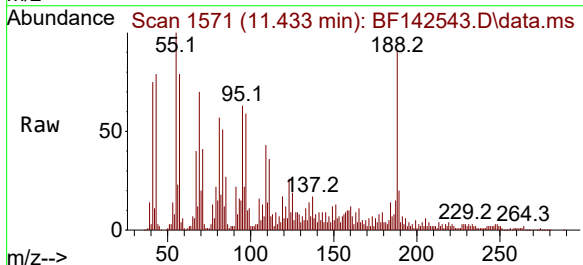
Instrument :
 BNA_F
 ClientSampleId :
 LAW-25-0078

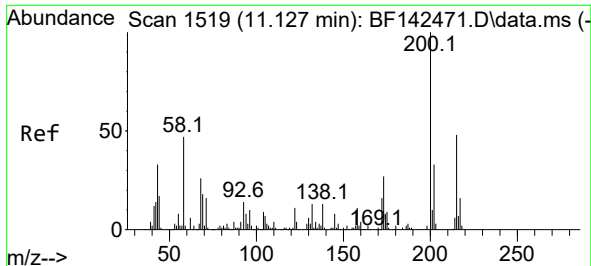
Tgt Ion: 77	Resp: 31507
Ion Ratio	Lower Upper
77	100
182	52.6 9.0 49.0#
105	130.9 2.4 42.4#
51	35.6 13.5 53.5



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.433 min Scan# 1571
 Delta R.T. 0.000 min
 Lab File: BF142543.D
 Acq: 23 May 2025 18:58

Tgt Ion: 188	Resp: 189633
Ion Ratio	Lower Upper
188	100
94	16.7 6.6 10.0#
80	16.5 7.4 11.0#





#69

Atrazine

Concen: 2.110 ng

RT: 11.122 min Scan# 1

Delta R.T. -0.005 min

Lab File: BF142543.D

Acq: 23 May 2025 18:58

Instrument :

BNA_F

ClientSampleId :

LAW-25-0078

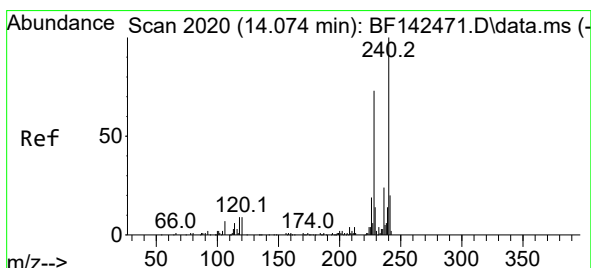
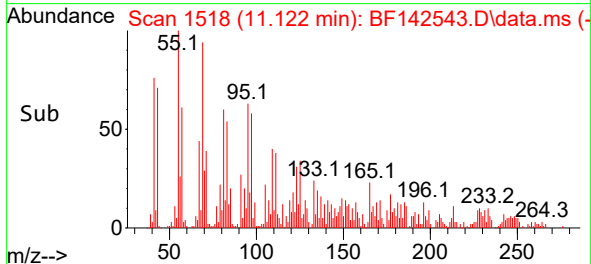
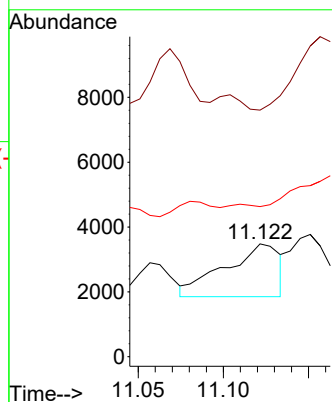
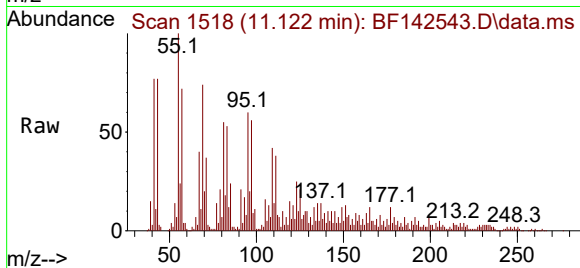
Tgt Ion:200 Resp: 3636

Ion Ratio Lower Upper

200 100

173 218.4 7.4 47.4#

215 133.0 28.5 68.5#



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.074 min Scan# 2020

Delta R.T. 0.000 min

Lab File: BF142543.D

Acq: 23 May 2025 18:58

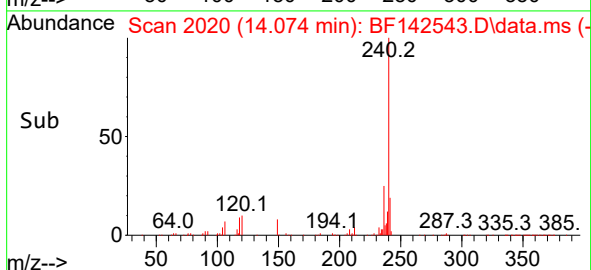
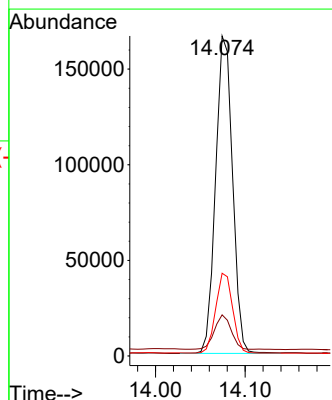
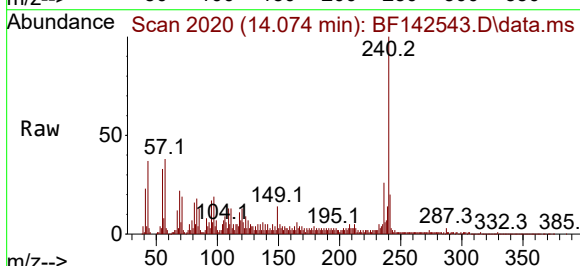
Tgt Ion:240 Resp: 217875

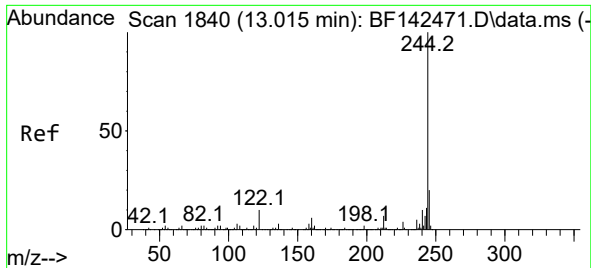
Ion Ratio Lower Upper

240 100

120 12.8 7.5 11.3#

236 25.9 19.6 29.4

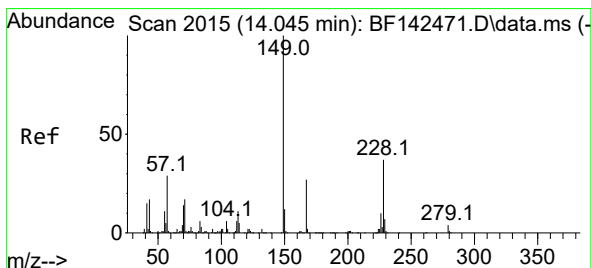
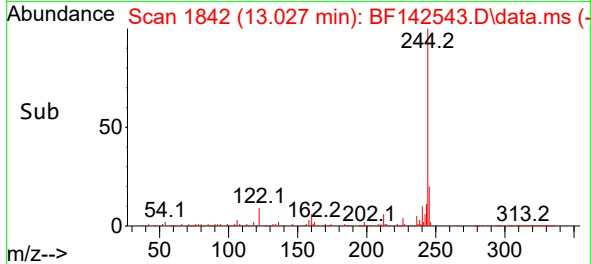
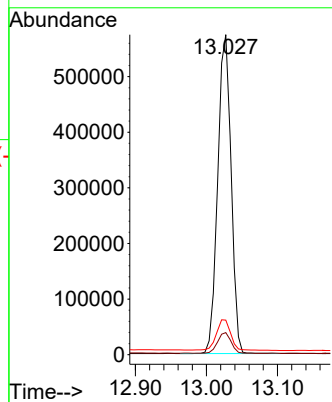
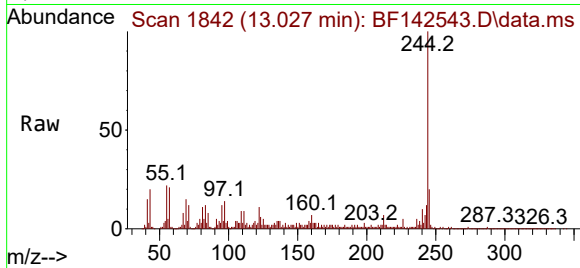




#79
 Terphenyl-d14
 Concen: 46.847 ng
 RT: 13.027 min Scan# 1
 Delta R.T. 0.012 min
 Lab File: BF142543.D
 Acq: 23 May 2025 18:58

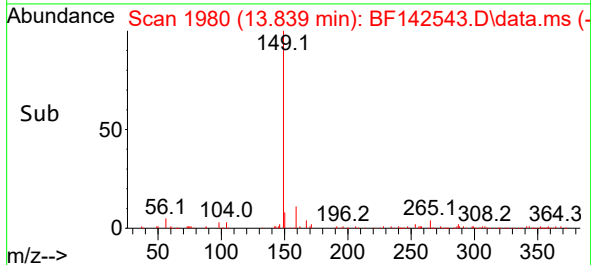
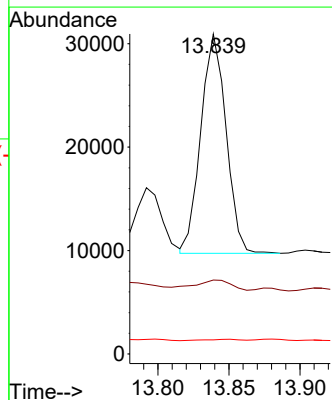
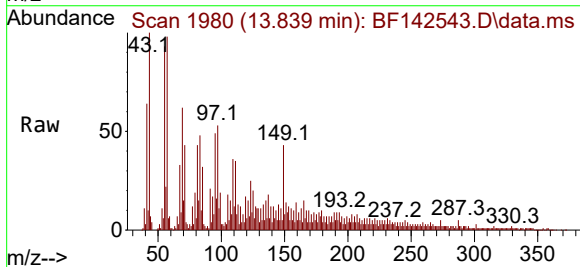
Instrument :
 BNA_F
 ClientSampleId :
 LAW-25-0078

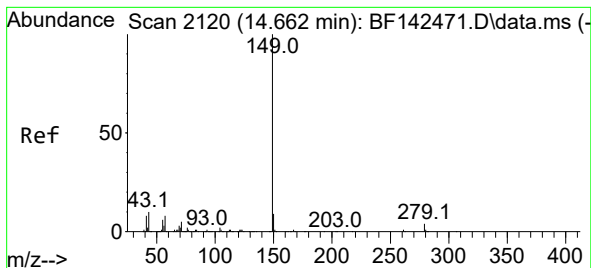
Tgt Ion:244 Resp: 746909
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.3 7.9
 122 10.8 8.2 12.2



#84
 Bis(2-ethylhexyl)phthalate
 Concen: 3.649 ng
 RT: 13.839 min Scan# 1980
 Delta R.T. -0.212 min
 Lab File: BF142543.D
 Acq: 23 May 2025 18:58

Tgt Ion:149 Resp: 26233
 Ion Ratio Lower Upper
 149 100
 167 23.1 21.5 32.3
 279 4.4 3.2 4.8





#85

Di-n-octyl phthalate

Concen: 78.760 ng

RT: 14.668 min Scan# 2120

Delta R.T. 0.000 min

Lab File: BF142543.D

Acq: 23 May 2025 18:58

Instrument :

BNA_F

ClientSampleId :

LAW-25-0078

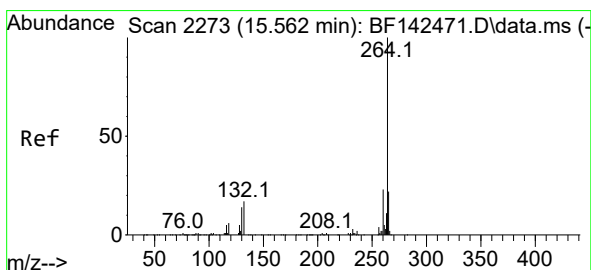
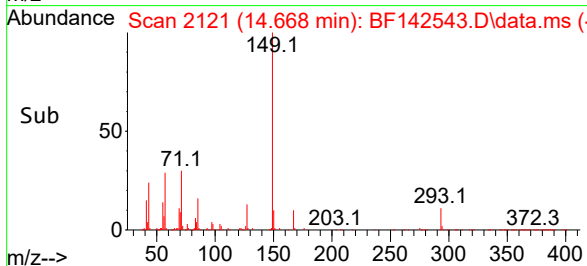
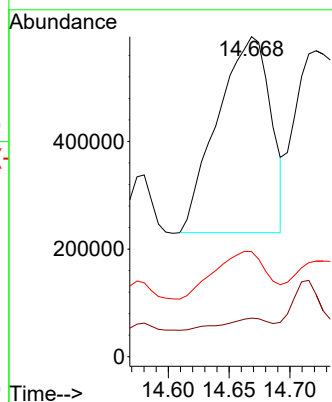
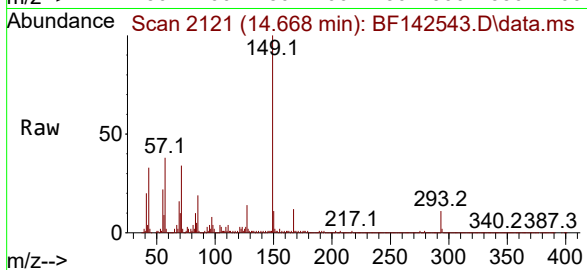
Tgt Ion:149 Resp: 1107168

Ion Ratio Lower Upper

149 100

167 0.0 1.2 1.8#

43 23.6 7.9 11.9#



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.586 min Scan# 2277

Delta R.T. 0.018 min

Lab File: BF142543.D

Acq: 23 May 2025 18:58

Tgt Ion:264 Resp: 195613

Ion Ratio Lower Upper

264 100

260 23.9 18.6 28.0

265 21.8 17.7 26.5

