

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052325\
 Data File : BF142538.D
 Acq On : 23 May 2025 16:34
 Operator : RC/JU
 Sample : Q2114-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 GAW1

Quant Time: May 23 17:34:37 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)

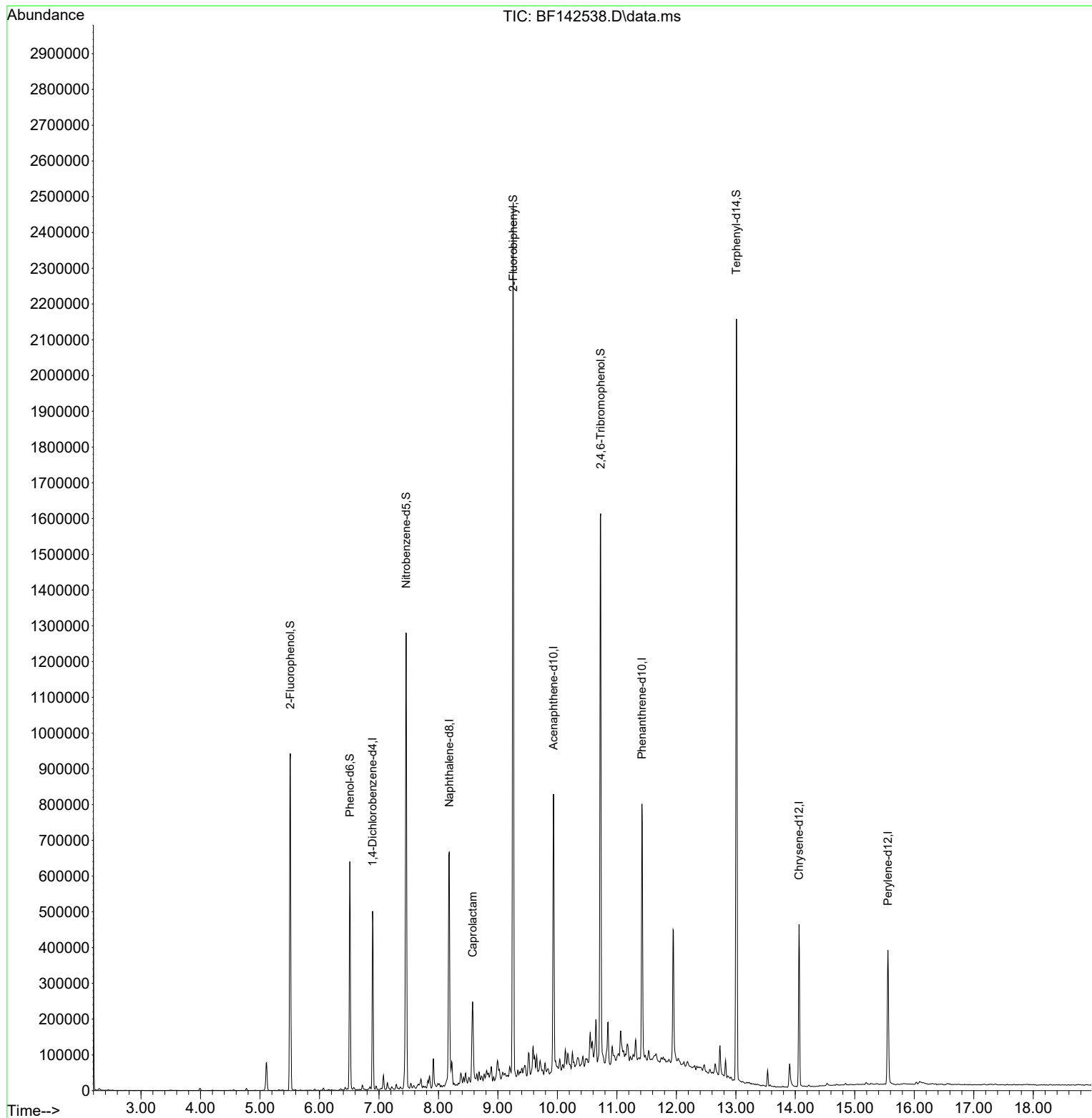
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.892	152	110775	20.000	ng	-0.01
21) Naphthalene-d8	8.181	136	424977	20.000	ng	0.00
39) Acenaphthene-d10	9.933	164	230675	20.000	ng	-0.01
64) Phenanthrene-d10	11.421	188	378406	20.000	ng	-0.01
76) Chrysene-d12	14.062	240	217517	20.000	ng	-0.01
86) Perylene-d12	15.556	264	218747	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	368652	56.068	ng	0.00
7) Phenol-d6	6.510	99	280623	35.455	ng	-0.02
23) Nitrobenzene-d5	7.457	82	552213	70.854	ng	-0.02
42) 2,4,6-Tribromophenol	10.727	330	288655	112.747	ng	-0.01
45) 2-Fluorobiphenyl	9.257	172	1139403	66.280	ng	-0.01
79) Terphenyl-d14	13.010	244	1038535	65.246	ng	0.00
Target Compounds						
35) Caprolactam	8.575	113	35964	21.258	ng	Qvalue 95

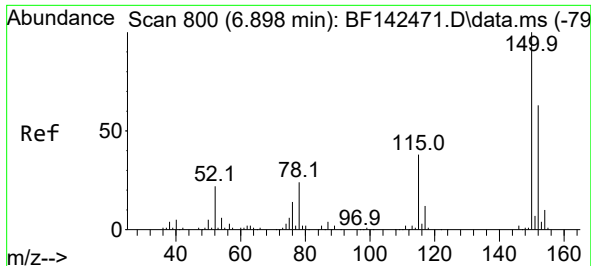
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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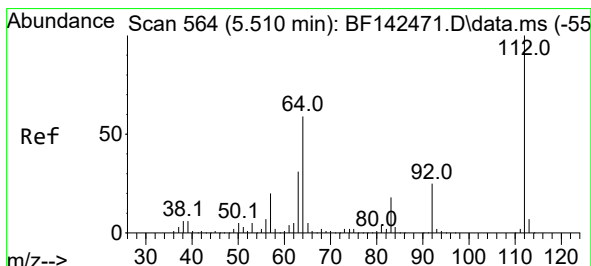
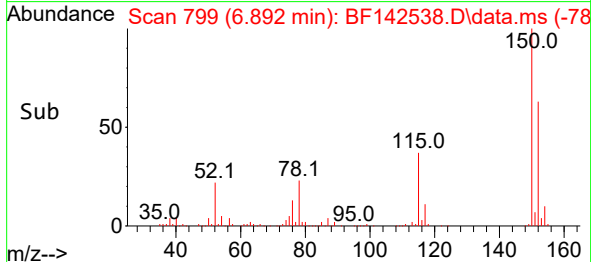
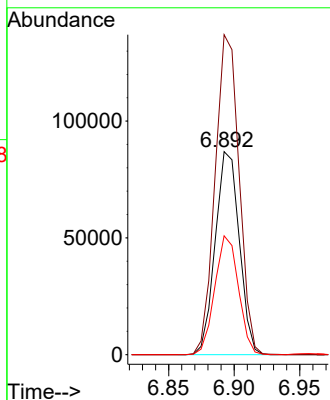
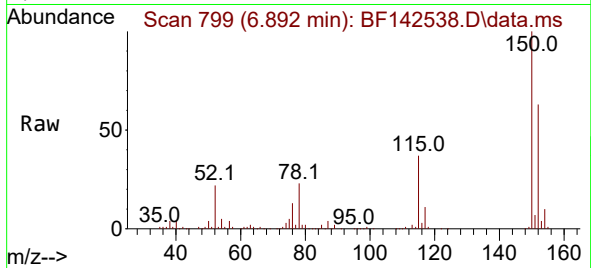




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.892 min Scan# 79
Delta R.T. -0.012 min
Lab File: BF142538.D
Acq: 23 May 2025 16:34

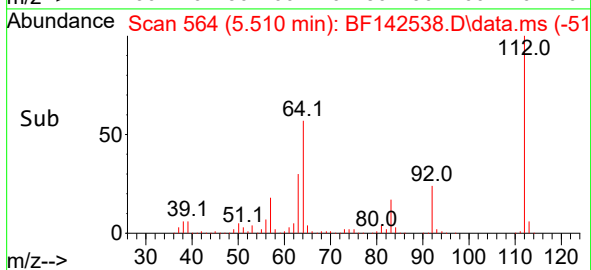
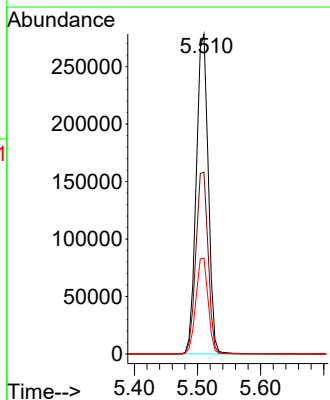
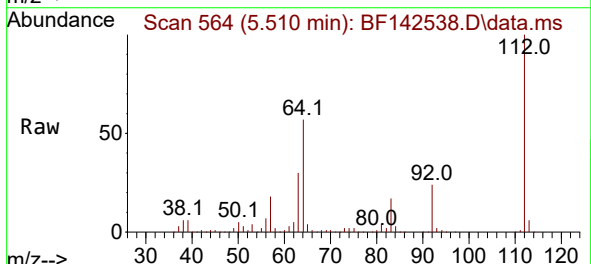
Instrument :
BNA_F
ClientSampleId :
GAW1

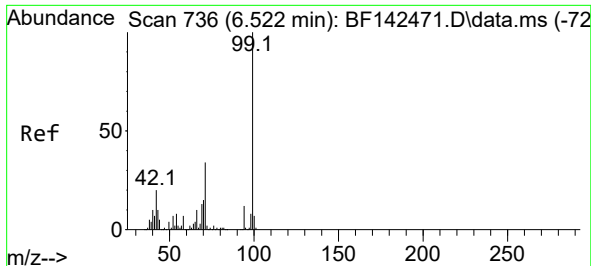
Tgt Ion:152 Resp: 110775
Ion Ratio Lower Upper
152 100
150 157.6 128.2 192.4
115 58.6 48.3 72.5



#5
2-Fluorophenol
Concen: 56.068 ng
RT: 5.510 min Scan# 564
Delta R.T. -0.006 min
Lab File: BF142538.D
Acq: 23 May 2025 16:34

Tgt Ion:112 Resp: 368652
Ion Ratio Lower Upper
112 100
64 56.8 47.5 71.3
63 30.0 24.9 37.3





#7

Phenol-d6

Concen: 35.455 ng

RT: 6.510 min Scan# 71

Delta R.T. -0.024 min

Lab File: BF142538.D

Acq: 23 May 2025 16:34

Instrument :

BNA_F

ClientSampleId :

GAW1

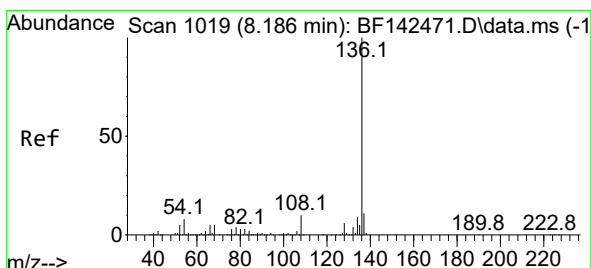
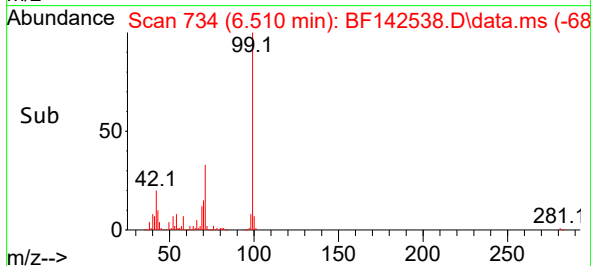
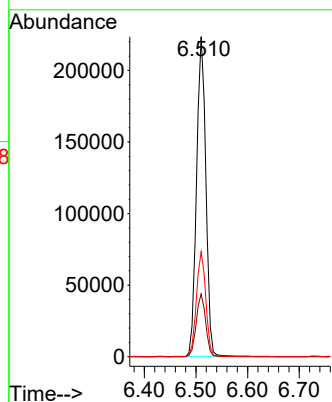
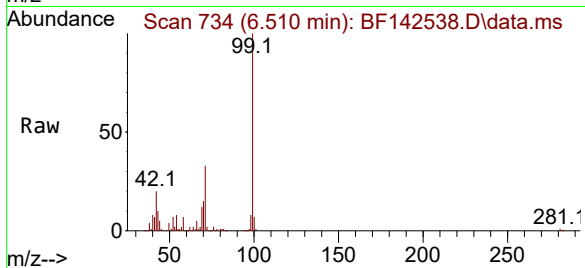
Tgt Ion: 99 Resp: 280623

Ion Ratio Lower Upper

99 100

42 19.6 16.2 24.2

71 32.8 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: BF142538.D

Acq: 23 May 2025 16:34

Tgt Ion: 136 Resp: 424977

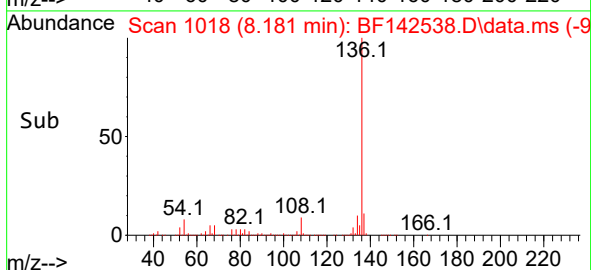
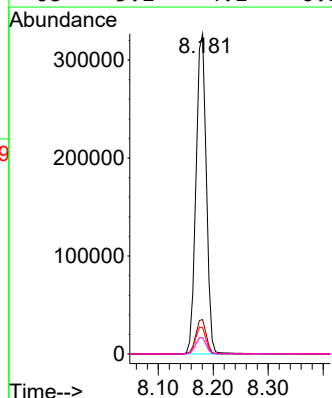
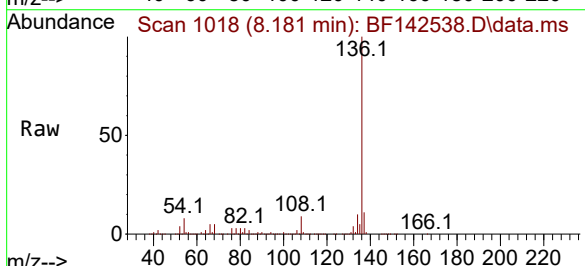
Ion Ratio Lower Upper

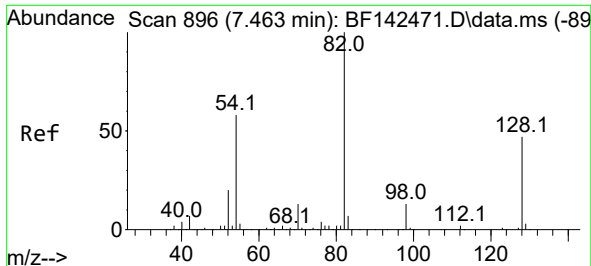
136 100

137 10.7 8.6 13.0

54 8.2 6.6 10.0

68 5.1 4.1 6.1





#23

Nitrobenzene-d5

Concen: 70.854 ng

RT: 7.457 min Scan# 89

Delta R.T. -0.018 min

Lab File: BF142538.D

Acq: 23 May 2025 16:34

Instrument :

BNA_F

ClientSampleId :

GAW1

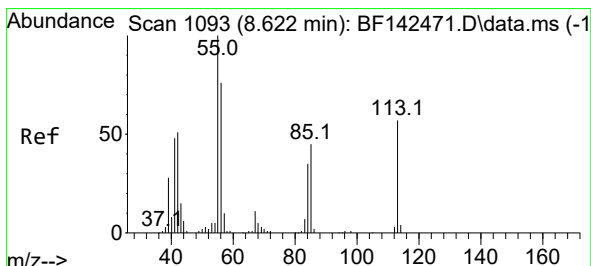
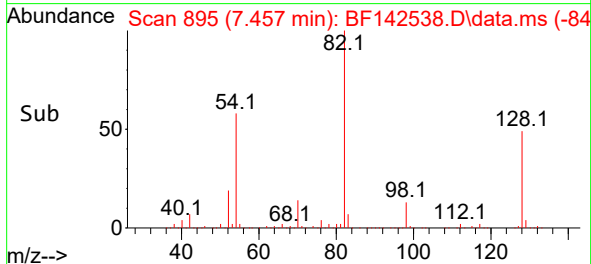
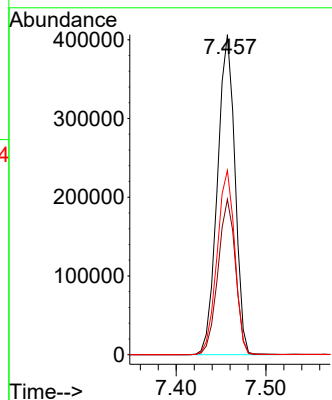
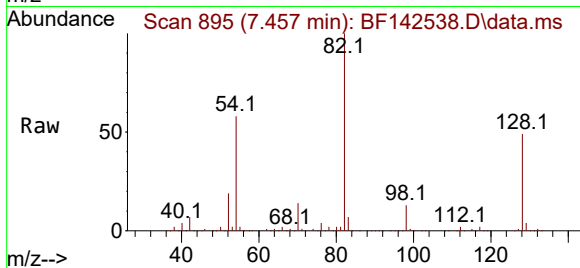
Tgt Ion: 82 Resp: 552213

Ion Ratio Lower Upper

82 100

128 48.6 37.4 56.2

54 57.6 46.6 70.0



#35

Caprolactam

Concen: 21.258 ng

RT: 8.575 min Scan# 1085

Delta R.T. -0.071 min

Lab File: BF142538.D

Acq: 23 May 2025 16:34

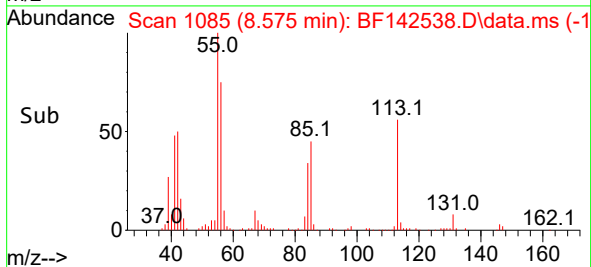
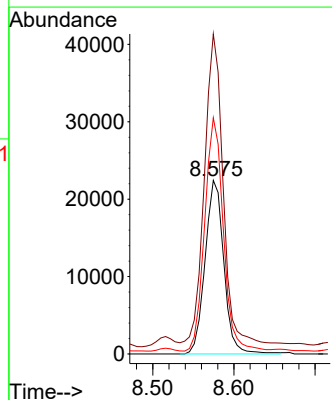
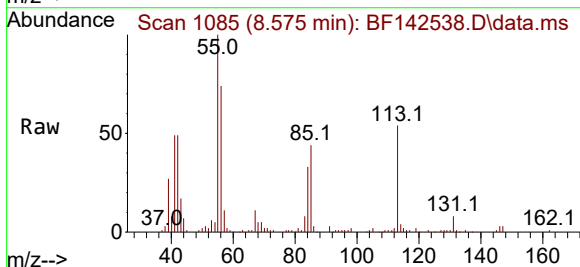
Tgt Ion: 113 Resp: 35964

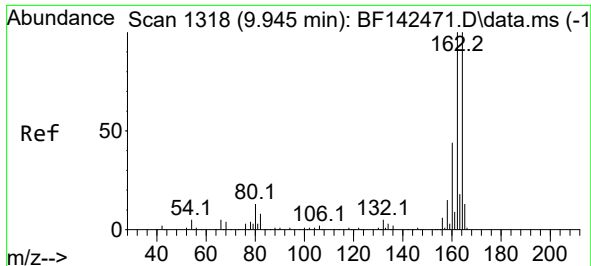
Ion Ratio Lower Upper

113 100

55 184.3 154.7 194.7

56 136.1 113.2 153.2





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.933 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF142538.D

Acq: 23 May 2025 16:34

Instrument :

BNA_F

ClientSampleId :

GAW1

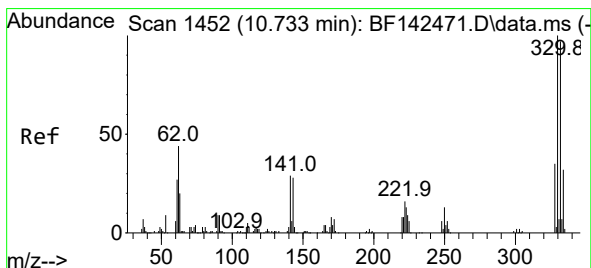
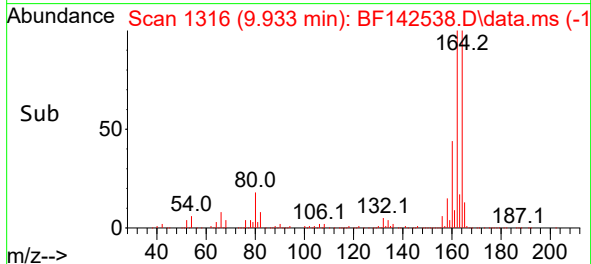
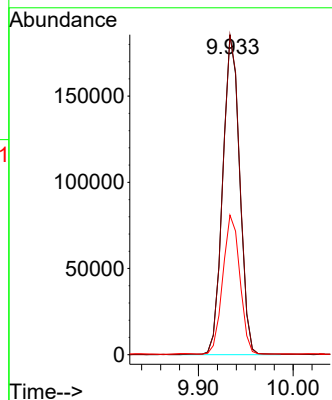
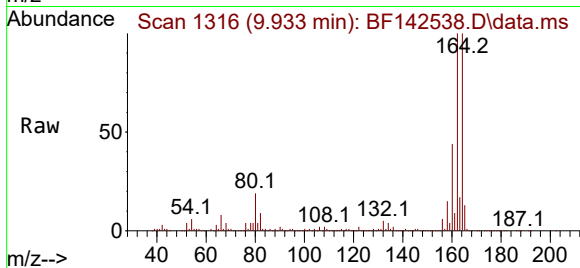
Tgt Ion:164 Resp: 230675

Ion Ratio Lower Upper

164 100

162 99.9 80.2 120.4

160 43.6 35.6 53.4



#42

2,4,6-Tribromophenol

Concen: 112.747 ng

RT: 10.727 min Scan# 1451

Delta R.T. -0.012 min

Lab File: BF142538.D

Acq: 23 May 2025 16:34

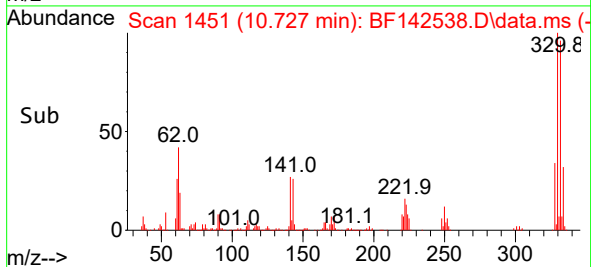
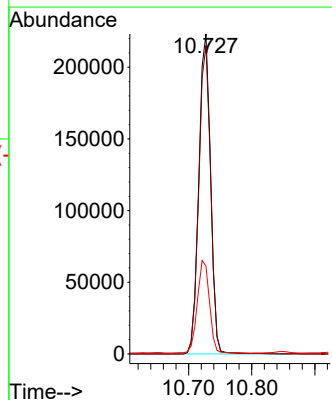
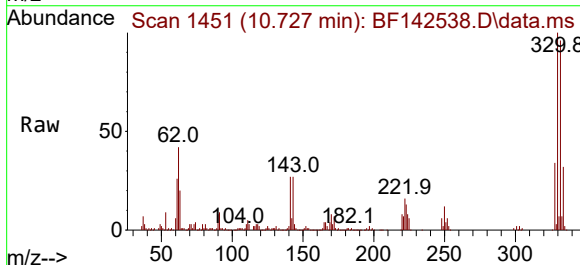
Tgt Ion:330 Resp: 288655

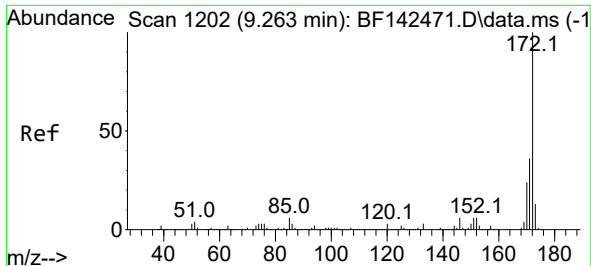
Ion Ratio Lower Upper

330 100

332 96.4 77.6 116.4

141 29.8 24.6 36.8





#45

2-Fluorobiphenyl

Concen: 66.280 ng

RT: 9.257 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF142538.D

Acq: 23 May 2025 16:34

Instrument :

BNA_F

ClientSampleId :

GAW1

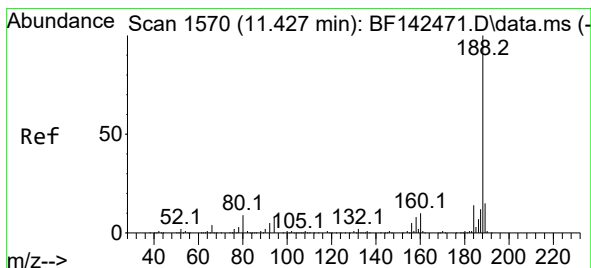
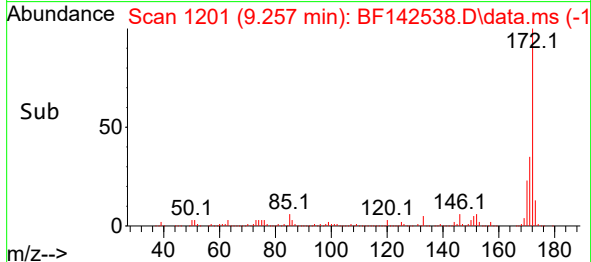
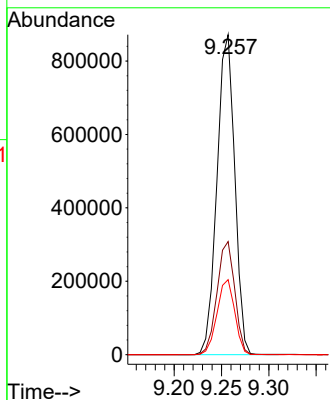
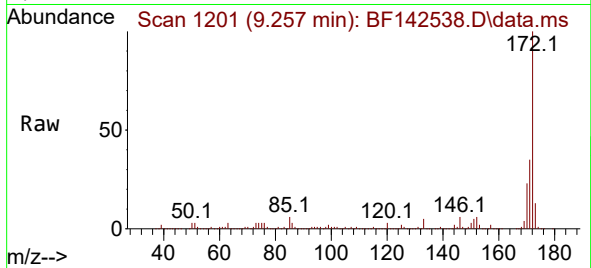
Tgt Ion:172 Resp: 1139403

Ion Ratio Lower Upper

172 100

171 35.3 28.6 42.8

170 23.4 18.9 28.3



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.421 min Scan# 1569

Delta R.T. -0.012 min

Lab File: BF142538.D

Acq: 23 May 2025 16:34

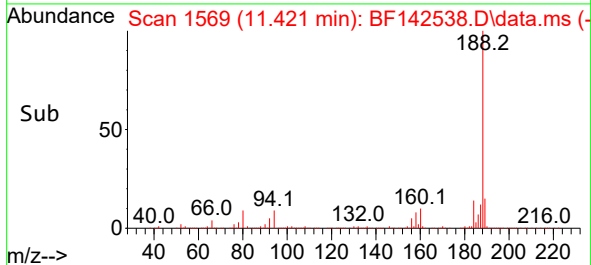
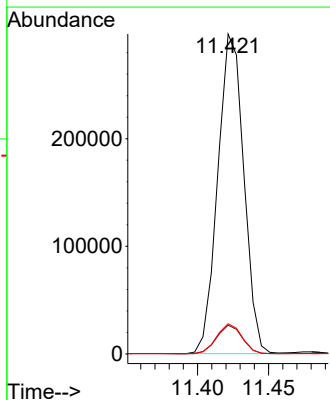
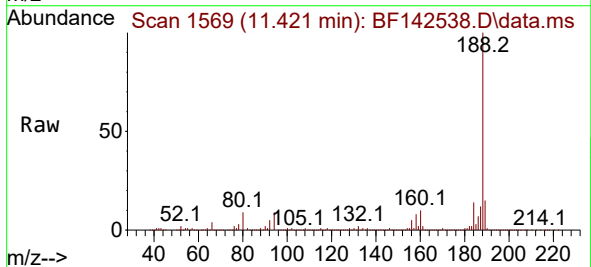
Tgt Ion:188 Resp: 378406

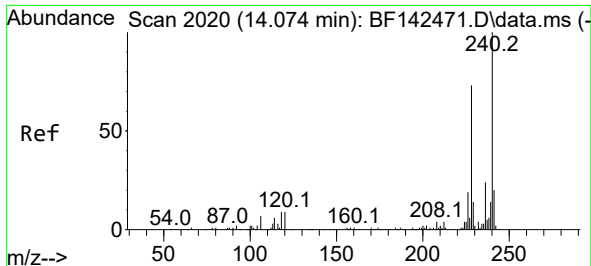
Ion Ratio Lower Upper

188 100

94 9.0 6.6 10.0

80 9.5 7.4 11.0

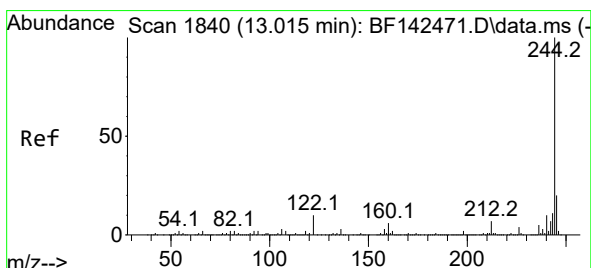
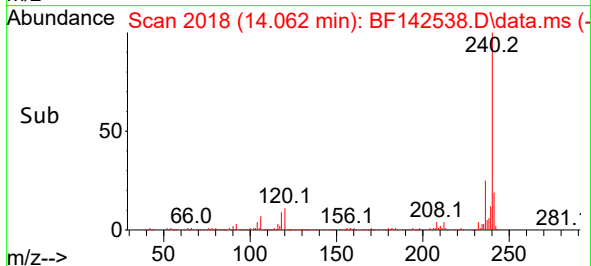
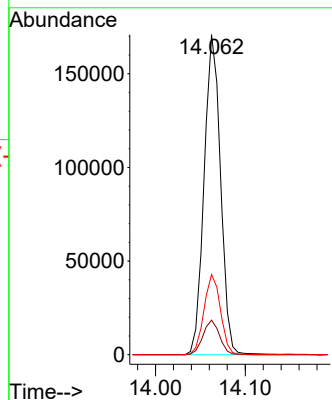
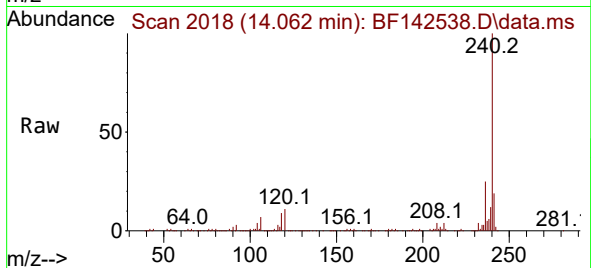




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.062 min Scan# 20
Delta R.T. -0.012 min
Lab File: BF142538.D
Acq: 23 May 2025 16:34

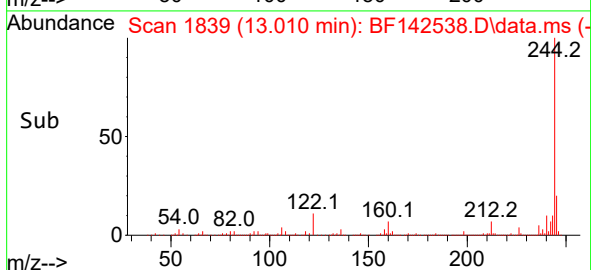
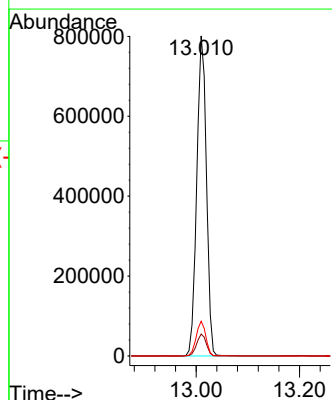
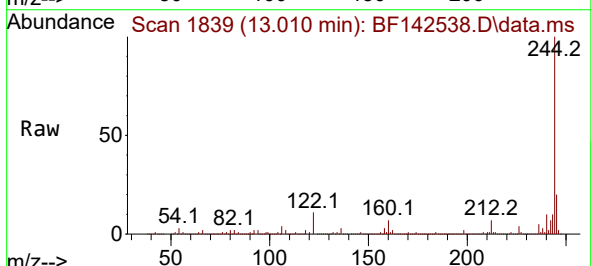
Instrument :
BNA_F
ClientSampleId :
GAW1

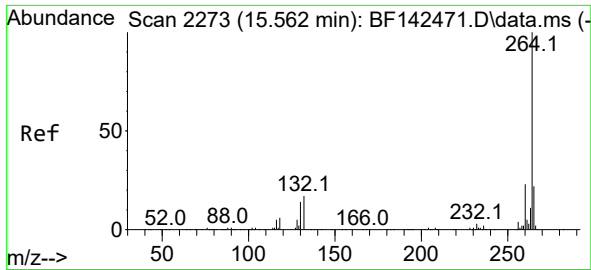
Tgt Ion:240 Resp: 217517
Ion Ratio Lower Upper
240 100
120 10.8 7.5 11.3
236 25.1 19.6 29.4



#79
Terphenyl-d14
Concen: 65.246 ng
RT: 13.010 min Scan# 1839
Delta R.T. -0.006 min
Lab File: BF142538.D
Acq: 23 May 2025 16:34

Tgt Ion:244 Resp: 1038535
Ion Ratio Lower Upper
244 100
212 6.9 5.3 7.9
122 10.8 8.2 12.2





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.556 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF142538.D
Acq: 23 May 2025 16:34

Instrument :
BNA_F
ClientSampleId :
GAW1

Tgt Ion:264 Resp: 218747
Ion Ratio Lower Upper
264 100
260 22.5 18.6 28.0
265 21.2 17.7 26.5

