

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072425\
 Data File : BF143239.D
 Acq On : 24 Jul 2025 17:56
 Operator : RC/JU
 Sample : Q2674-01 2X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TR-04-072225

Quant Time: Jul 24 18:22:17 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 17 15:14:05 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

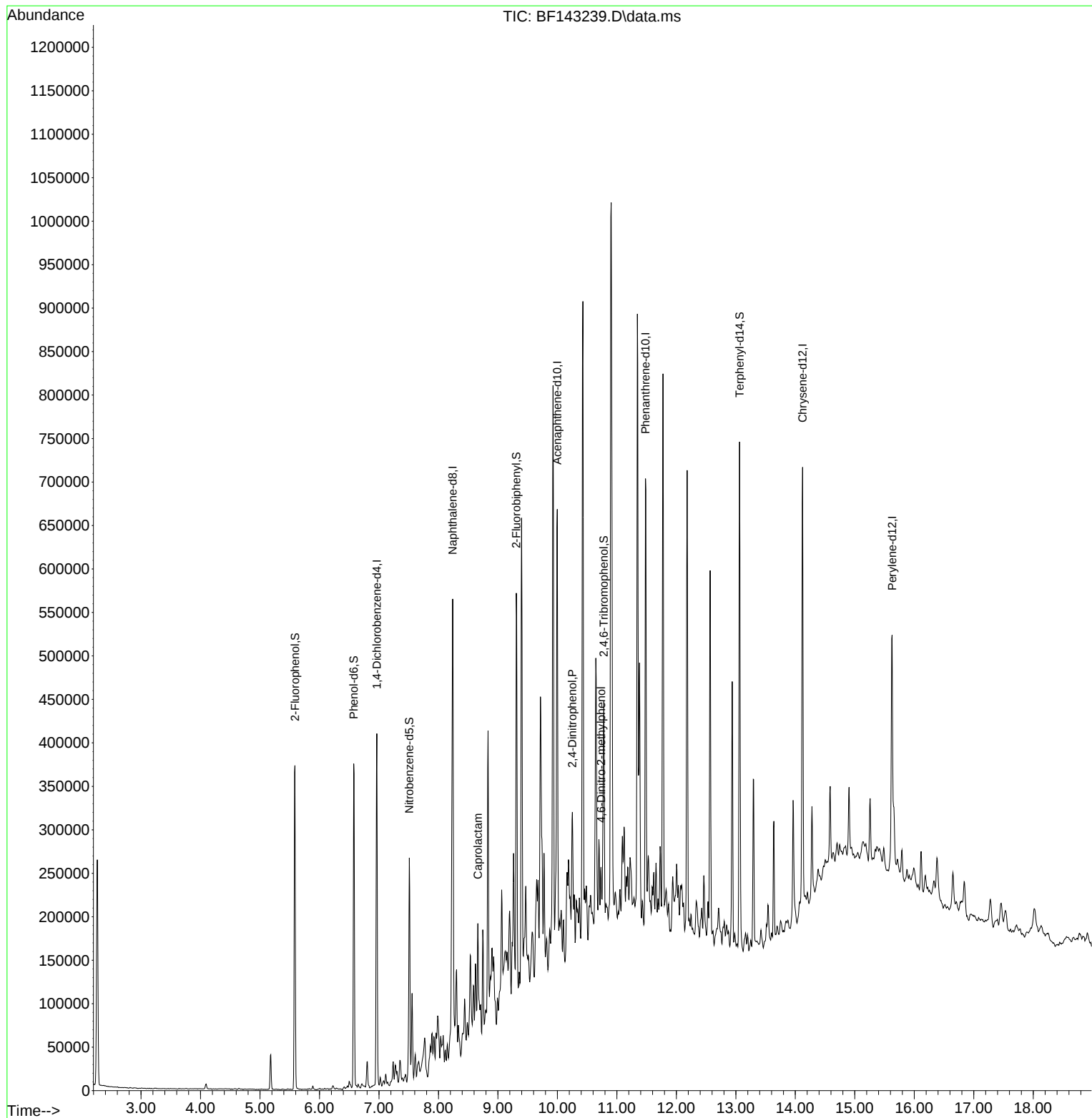
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.963	152	82359	20.000	ng	0.00
21) Naphthalene-d8	8.240	136	278709	20.000	ng	0.00
39) Acenaphthene-d10	9.998	164	140649	20.000	ng	0.00
64) Phenanthrene-d10	11.480	188	259980	20.000	ng	0.00
76) Chrysene-d12	14.121	240	245176	20.000	ng	0.00
86) Perylene-d12	15.627	264	160411	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.587	112	130844	25.141	ng	0.00
7) Phenol-d6	6.575	99	162084	24.743	ng	-0.01
23) Nitrobenzene-d5	7.510	82	99922	17.871	ng	-0.01
42) 2,4,6-Tribromophenol	10.781	330	41329	28.444	ng	0.00
45) 2-Fluorobiphenyl	9.310	172	197638	19.218	ng	-0.01
79) Terphenyl-d14	13.063	244	263292	15.981	ng	0.00
Target Compounds						
35) Caprolactam	8.663	113	3251	2.766	ng	# 1
54) 2,4-Dinitrophenol	10.251	184	126	6.800	ng	# 6
65) 4,6-Dinitro-2-methylph...	10.733	198	145	5.507	ng	# 1

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

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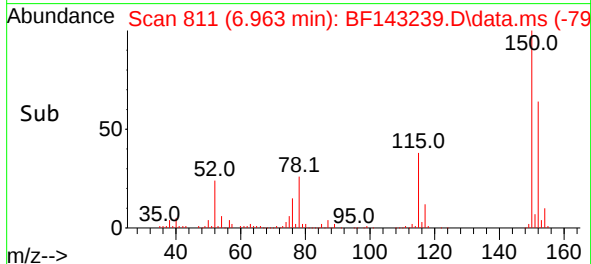
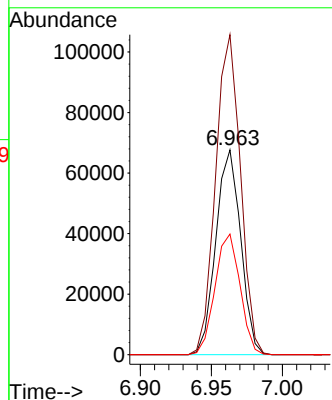
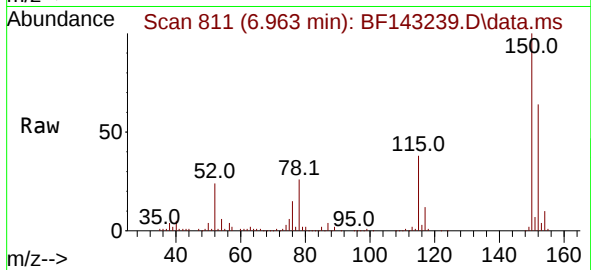




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.963 min Scan# 811
Delta R.T. 0.000 min
Lab File: BF143239.D
Acq: 24 Jul 2025 17:56

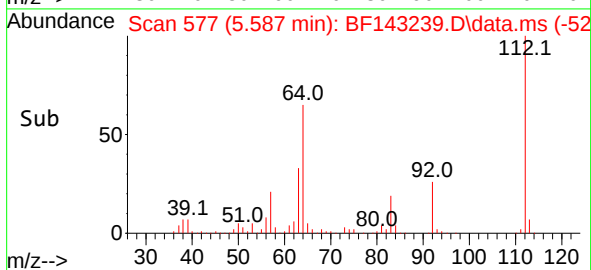
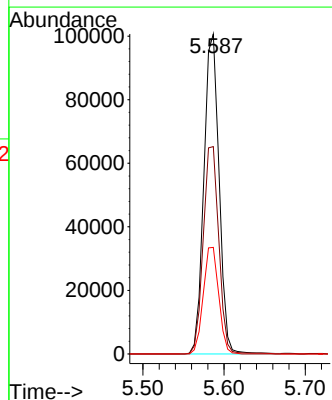
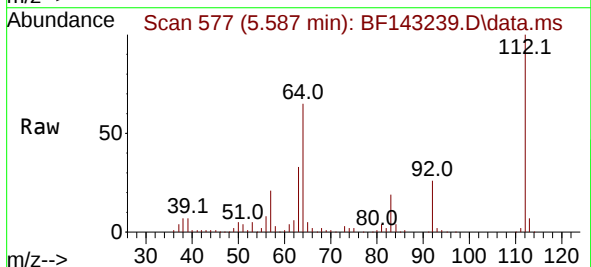
Instrument :
BNA_F
ClientSampleId :
TR-04-072225

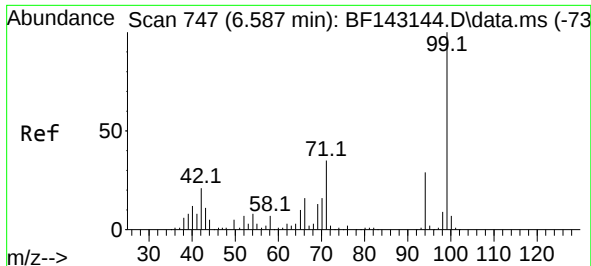
Tgt Ion:152 Resp: 82359
Ion Ratio Lower Upper
152 100
150 156.2 128.2 192.4
115 58.9 47.9 71.9



#5
2-Fluorophenol
Concen: 25.141 ng
RT: 5.587 min Scan# 577
Delta R.T. 0.000 min
Lab File: BF143239.D
Acq: 24 Jul 2025 17:56

Tgt Ion:112 Resp: 130844
Ion Ratio Lower Upper
112 100
64 64.8 53.1 79.7
63 33.3 26.6 40.0

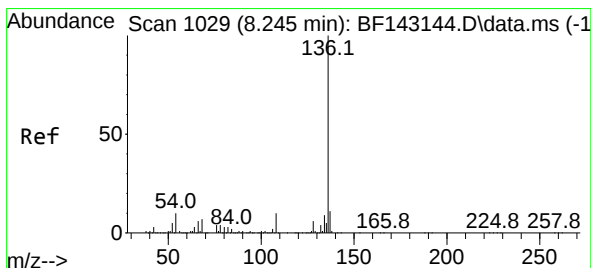
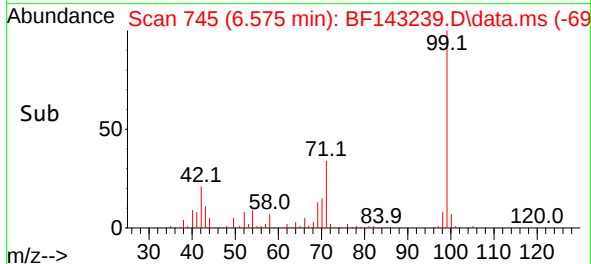
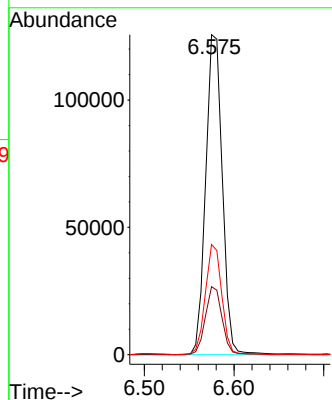
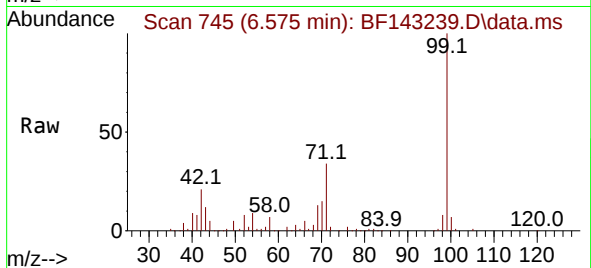




#7
Phenol-d6
Concen: 24.743 ng
RT: 6.575 min Scan# 747
Delta R.T. -0.012 min
Lab File: BF143239.D
Acq: 24 Jul 2025 17:56

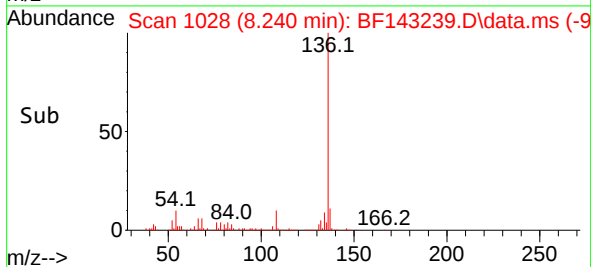
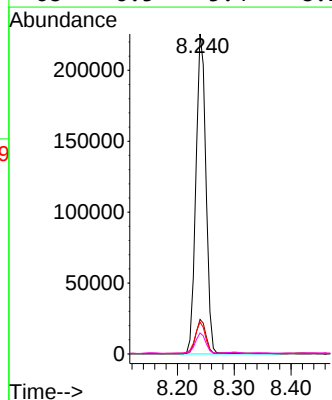
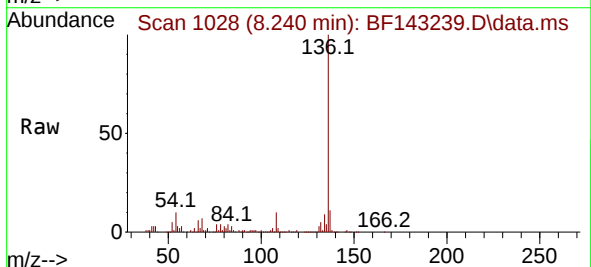
Instrument :
BNA_F
ClientSampleId :
TR-04-072225

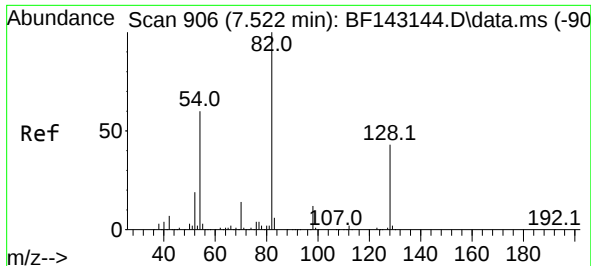
Tgt Ion: 99 Resp: 162084
Ion Ratio Lower Upper
99 100
42 21.3 17.0 25.6
71 34.4 27.7 41.5



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.240 min Scan# 1028
Delta R.T. -0.005 min
Lab File: BF143239.D
Acq: 24 Jul 2025 17:56

Tgt Ion: 136 Resp: 278709
Ion Ratio Lower Upper
136 100
137 10.8 8.6 13.0
54 9.9 8.2 12.2
68 6.5 5.4 8.2





#23

Nitrobenzene-d5

Concen: 17.871 ng

RT: 7.510 min Scan# 90

Delta R.T. -0.012 min

Lab File: BF143239.D

Acq: 24 Jul 2025 17:56

Instrument :

BNA_F

ClientSampleId :

TR-04-072225

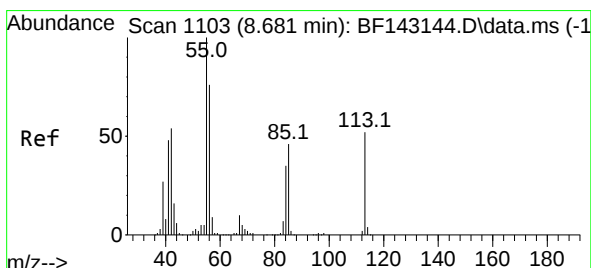
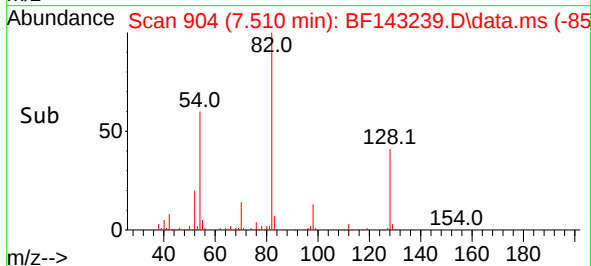
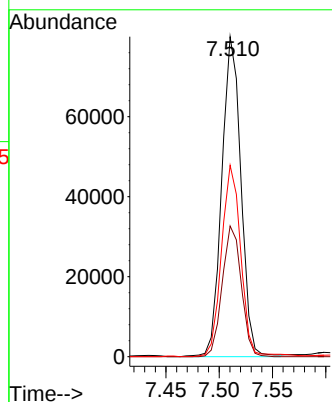
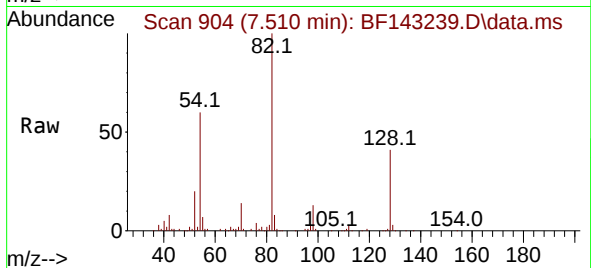
Tgt Ion: 82 Resp: 99922

Ion Ratio Lower Upper

82 100

128 40.9 33.6 50.4

54 59.8 47.1 70.7



#35

Caprolactam

Concen: 2.766 ng

RT: 8.663 min Scan# 1100

Delta R.T. -0.018 min

Lab File: BF143239.D

Acq: 24 Jul 2025 17:56

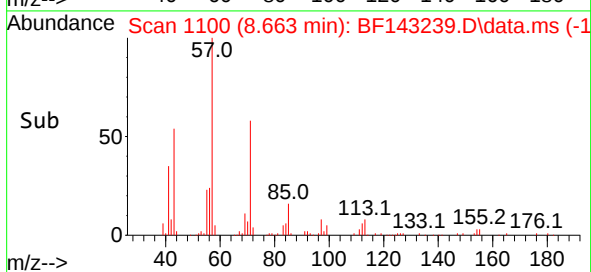
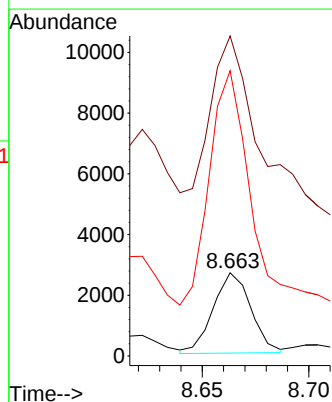
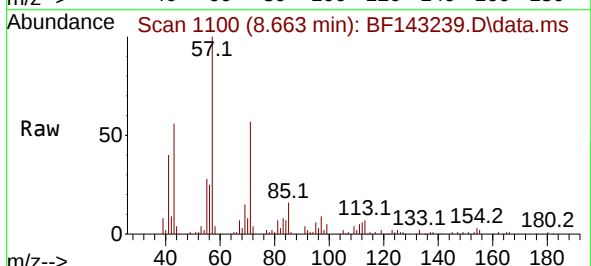
Tgt Ion: 113 Resp: 3251

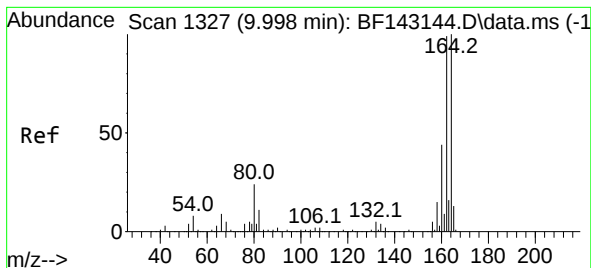
Ion Ratio Lower Upper

113 100

55 384.3 174.0 214.0#

56 342.7 126.6 166.6#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.998 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF143239.D

Acq: 24 Jul 2025 17:56

Instrument :

BNA_F

ClientSampleId :

TR-04-072225

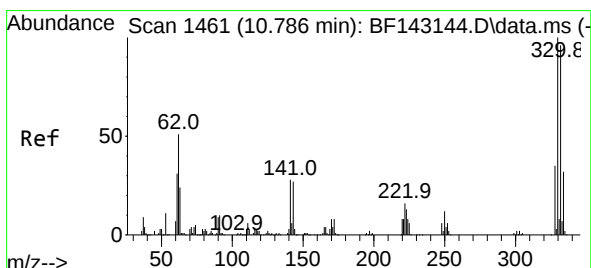
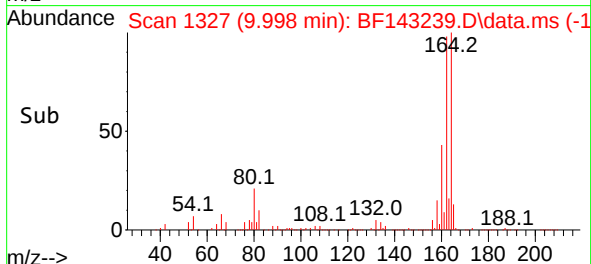
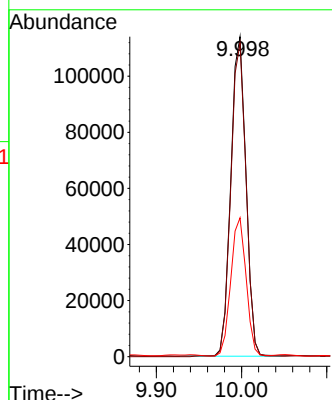
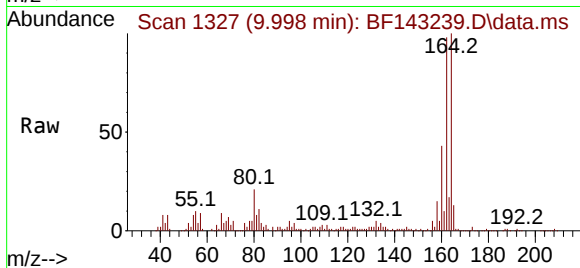
Tgt Ion:164 Resp: 140649

Ion Ratio Lower Upper

164 100

162 98.0 79.0 118.6

160 43.4 35.1 52.7



#42

2,4,6-Tribromophenol

Concen: 28.444 ng

RT: 10.781 min Scan# 1460

Delta R.T. -0.006 min

Lab File: BF143239.D

Acq: 24 Jul 2025 17:56

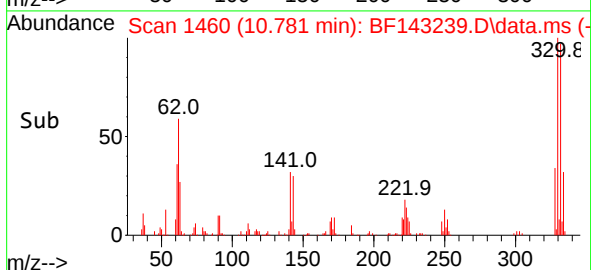
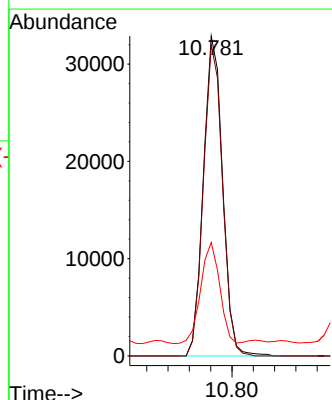
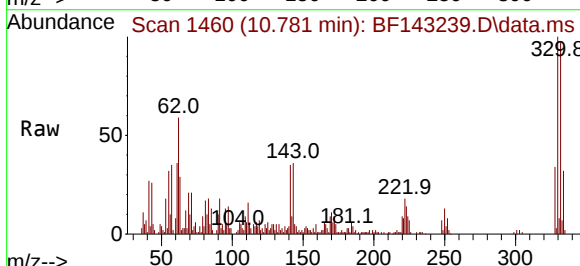
Tgt Ion:330 Resp: 41329

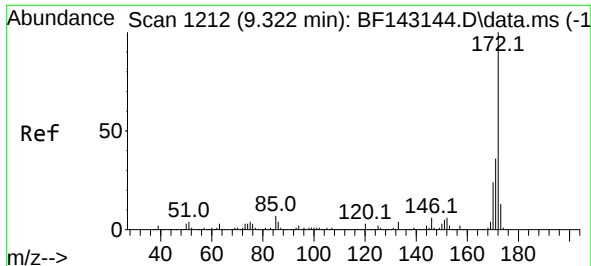
Ion Ratio Lower Upper

330 100

332 96.4 76.7 115.1

141 31.4 23.3 34.9





#45

2-Fluorobiphenyl

Concen: 19.218 ng

RT: 9.310 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF143239.D

Acq: 24 Jul 2025 17:56

Instrument :

BNA_F

ClientSampleId :

TR-04-072225

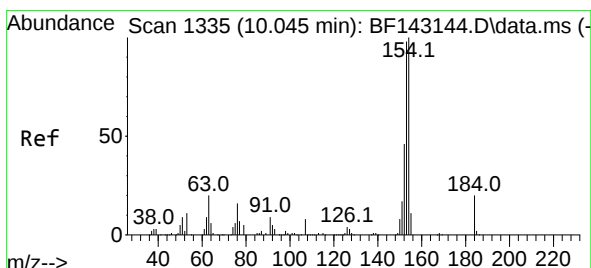
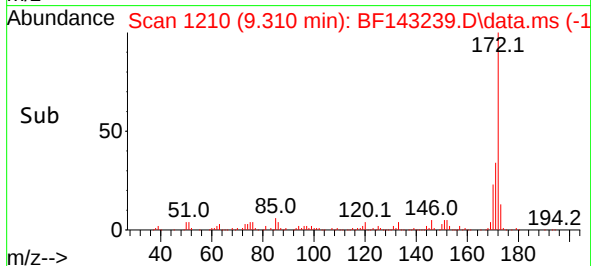
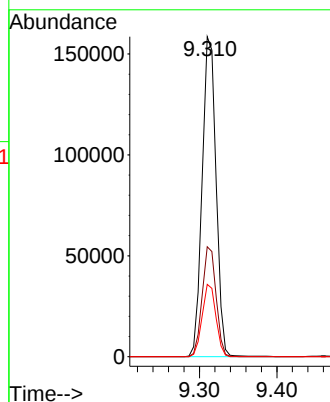
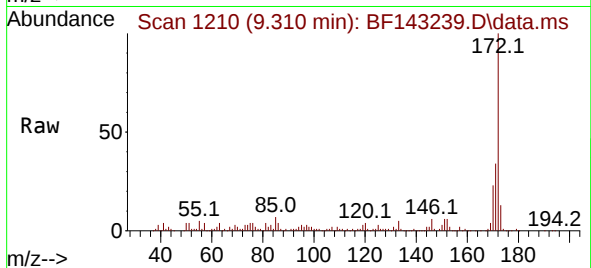
Tgt Ion:172 Resp: 197638

Ion Ratio Lower Upper

172 100

171 34.4 28.6 42.8

170 22.6 18.8 28.2



#54

2,4-Dinitrophenol

Concen: 6.800 ng

RT: 10.251 min Scan# 1370

Delta R.T. 0.206 min

Lab File: BF143239.D

Acq: 24 Jul 2025 17:56

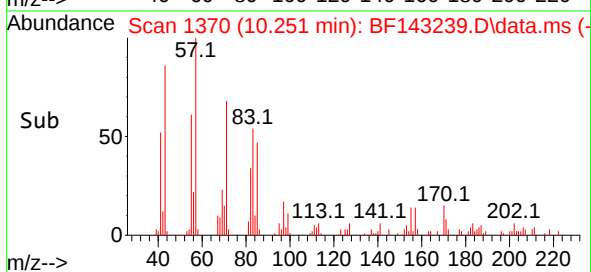
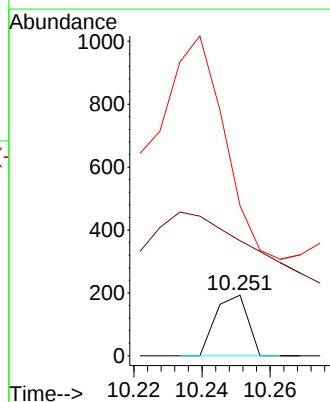
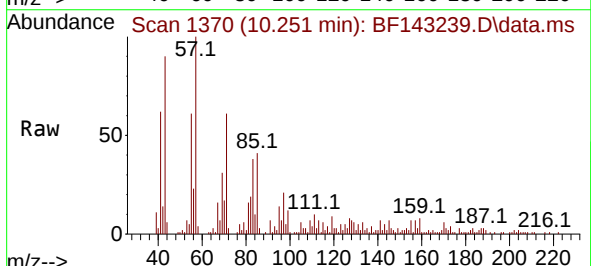
Tgt Ion:184 Resp: 126

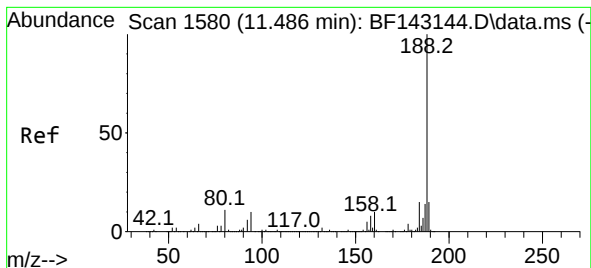
Ion Ratio Lower Upper

184 100

63 189.6 81.8 122.6#

154 247.2 412.2 618.4#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.480 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF143239.D

Acq: 24 Jul 2025 17:56

Instrument :

BNA_F

ClientSampleId :

TR-04-072225

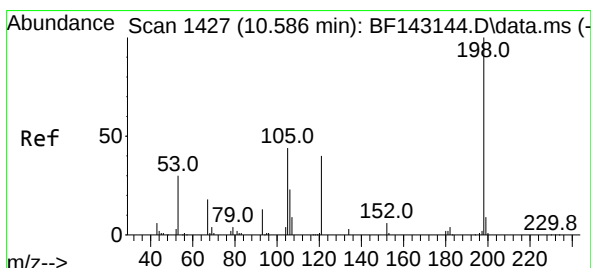
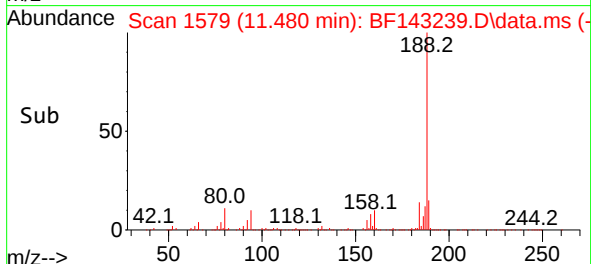
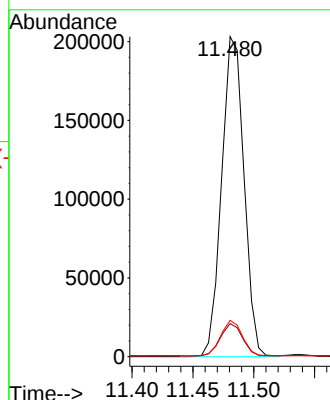
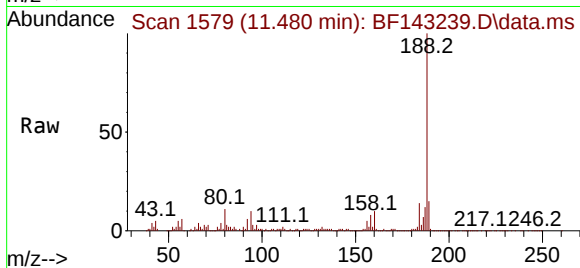
Tgt Ion:188 Resp: 259980

Ion Ratio Lower Upper

188 100

94 10.4 8.3 12.5

80 11.4 9.0 13.6



#65

4,6-Dinitro-2-methylphenol

Concen: 5.507 ng

RT: 10.733 min Scan# 1452

Delta R.T. 0.147 min

Lab File: BF143239.D

Acq: 24 Jul 2025 17:56

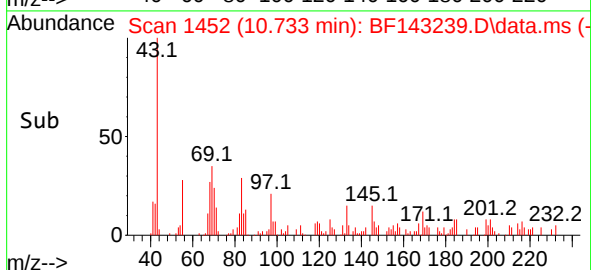
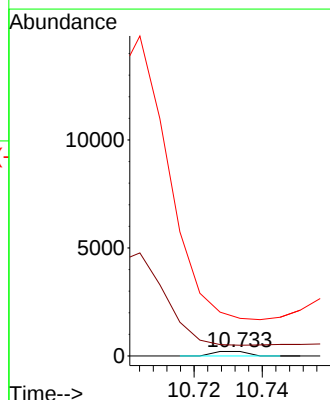
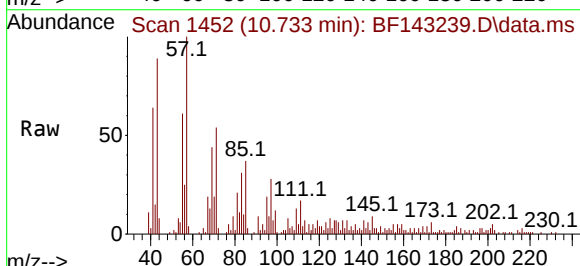
Tgt Ion:198 Resp: 145

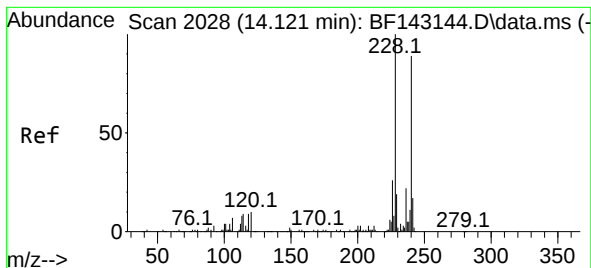
Ion Ratio Lower Upper

198 100

51 239.6 37.2 77.2#

105 839.6 24.8 64.8#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.121 min Scan# 2028

Delta R.T. 0.000 min

Lab File: BF143239.D

Acq: 24 Jul 2025 17:56

Instrument :

BNA_F

ClientSampleId :

TR-04-072225

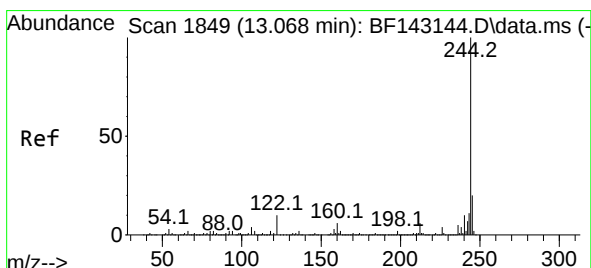
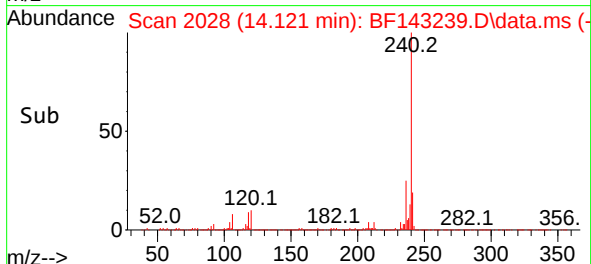
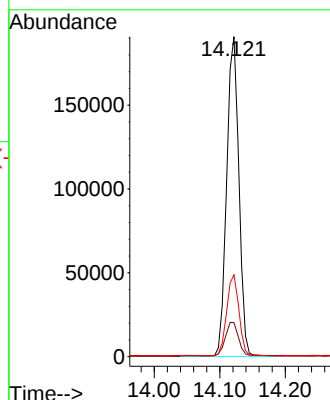
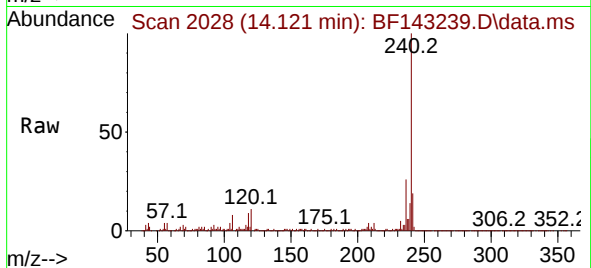
Tgt Ion:240 Resp: 245176

Ion Ratio Lower Upper

240 100

120 10.7 9.4 14.2

236 25.6 20.2 30.4



#79

Terphenyl-d14

Concen: 15.981 ng

RT: 13.063 min Scan# 1848

Delta R.T. -0.006 min

Lab File: BF143239.D

Acq: 24 Jul 2025 17:56

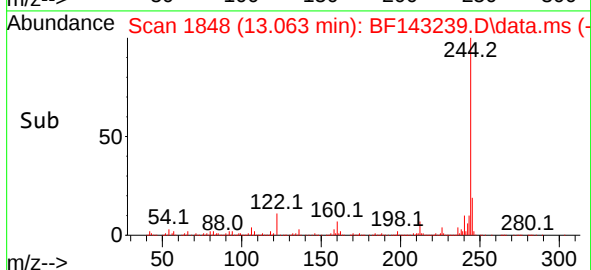
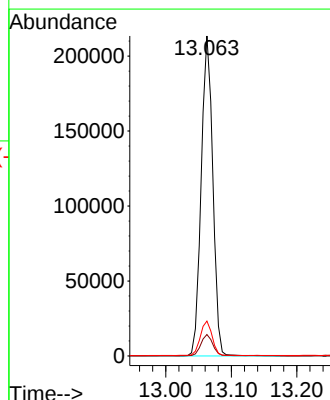
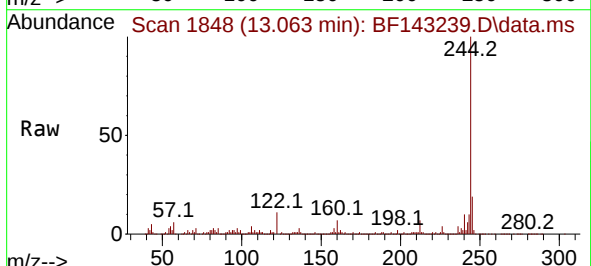
Tgt Ion:244 Resp: 263292

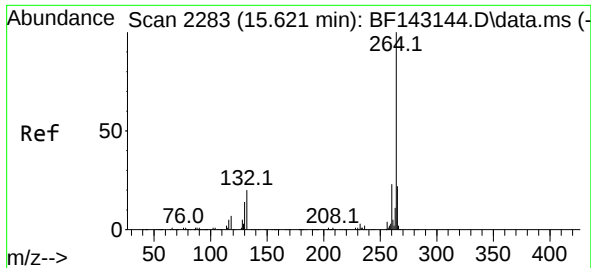
Ion Ratio Lower Upper

244 100

212 6.7 5.2 7.8

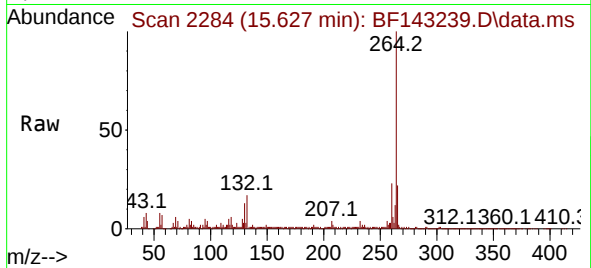
122 10.9 8.2 12.2





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.627 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: BF143239.D
 Acq: 24 Jul 2025 17:56

Instrument :
 BNA_F
 ClientSampleId :
 TR-04-072225



Tgt Ion:264 Resp: 160411
 Ion Ratio Lower Upper
 264 100
 260 23.0 18.5 27.7
 265 21.9 17.4 26.2

