

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032625\
 Data File : BF142102.D
 Acq On : 26 Mar 2025 17:40
 Operator : RC/JU
 Sample : Q1636-16
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-4

Quant Time: Mar 26 18:18:09 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 10 15:46:22 2025
 Response via : Initial Calibration

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

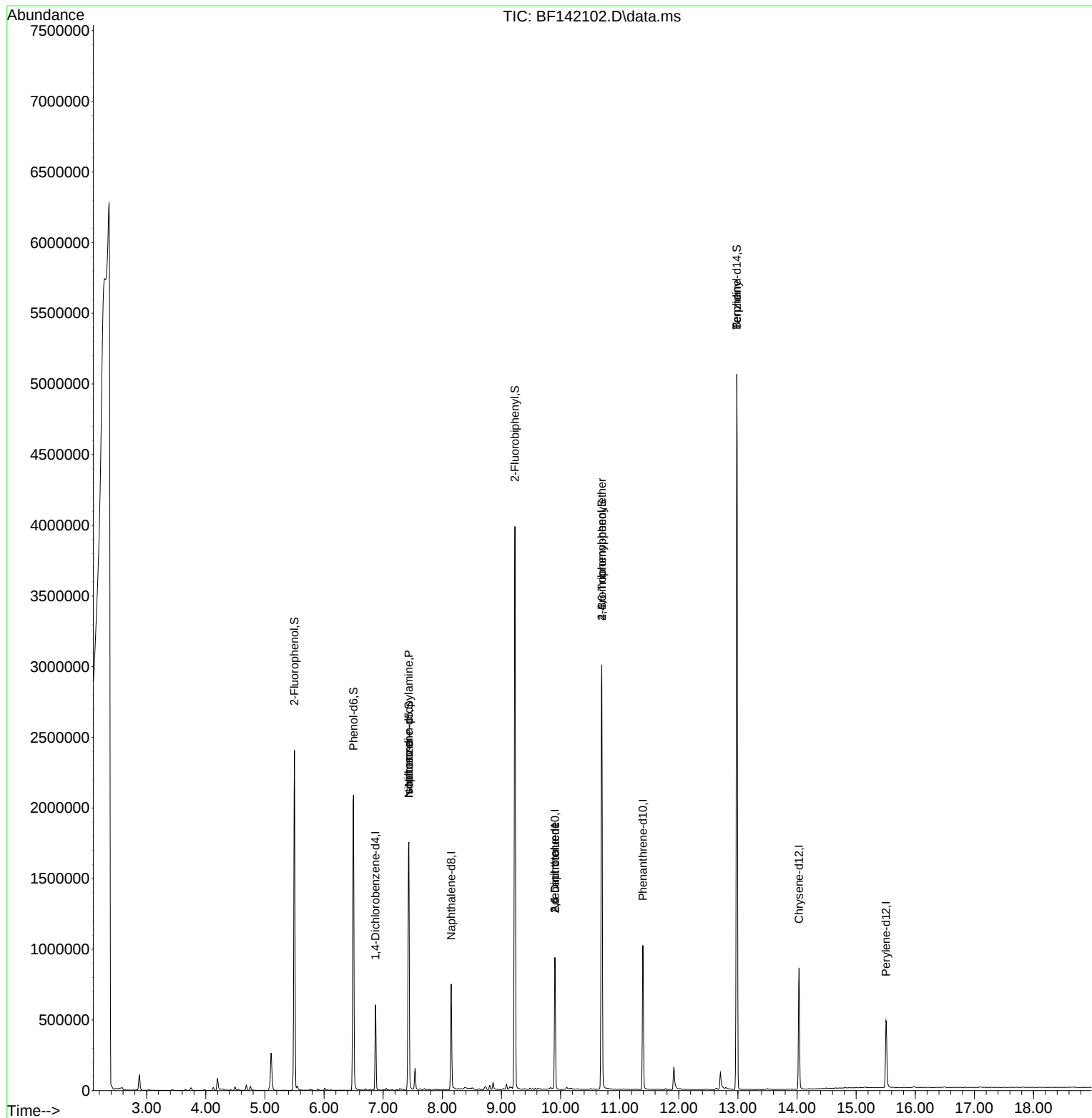
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	125889	20.000	ng	-0.01
21) Naphthalene-d8	8.151	136	489828	20.000	ng	-0.01
39) Acenaphthene-d10	9.904	164	284595	20.000	ng	-0.01
64) Phenanthrene-d10	11.392	188	531902	20.000	ng	-0.01
76) Chrysene-d12	14.033	240	433532	20.000	ng	0.00
86) Perylene-d12	15.504	264	304352	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.499	112	956204	126.768	ng	0.00
7) Phenol-d6	6.498	99	1081959	112.659	ng	0.00
23) Nitrobenzene-d5	7.434	82	834155	95.835	ng	-0.01
42) 2,4,6-Tribromophenol	10.698	330	610003	168.954	ng	0.00
45) 2-Fluorobiphenyl	9.228	172	1772710	94.730	ng	-0.01
79) Terphenyl-d14	12.980	244	2565514	87.491	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.434	70	115765	18.759	ng	# 78
25) Isophorone	7.434	82	819568	53.268	ng	# 64
51) 2,6-Dinitrotoluene	9.904	165	36983	8.913	ng	# 23
57) 2,4-Dinitrotoluene	9.904	165	36983	6.824	ng	# 24
67) 4-Bromophenyl-phenylether	10.698	248	36792	5.508	ng	# 1
77) Benzidine	12.980	184	35619	5.889	ng	# 93

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

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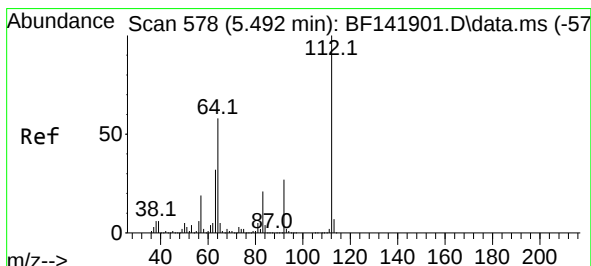
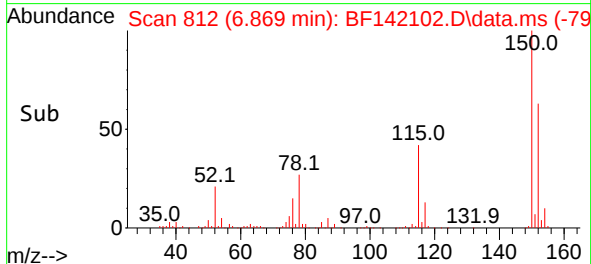
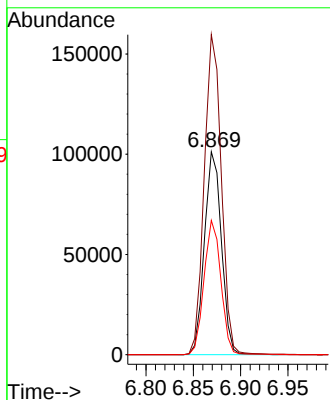
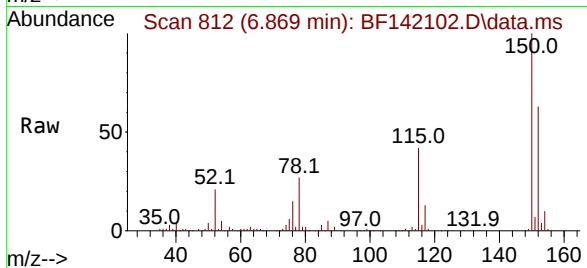




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 814
Delta R.T. -0.012 min
Lab File: BF142102.D
Acq: 26 Mar 2025 17:40

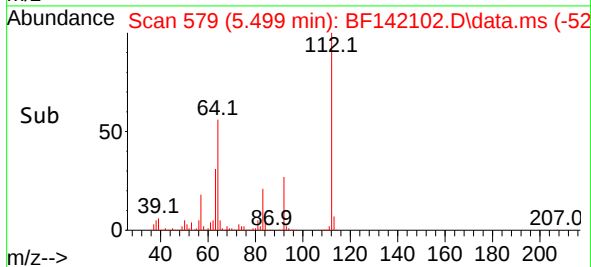
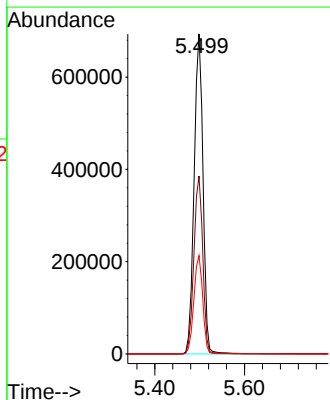
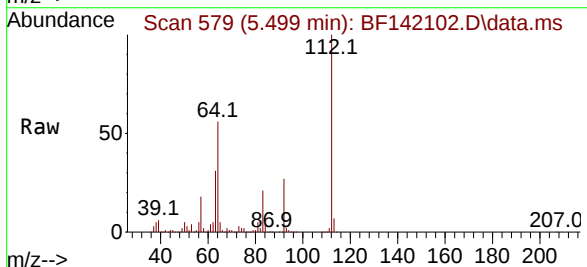
Instrument :
BNA_F
ClientSampleId :
WC-4

Tgt Ion:152 Resp: 125889
Ion Ratio Lower Upper
152 100
150 157.7 127.4 191.2
115 66.2 51.9 77.9



#5
2-Fluorophenol
Concen: 126.768 ng
RT: 5.499 min Scan# 579
Delta R.T. 0.006 min
Lab File: BF142102.D
Acq: 26 Mar 2025 17:40

Tgt Ion:112 Resp: 956204
Ion Ratio Lower Upper
112 100
64 55.6 46.5 69.7
63 30.8 25.4 38.2

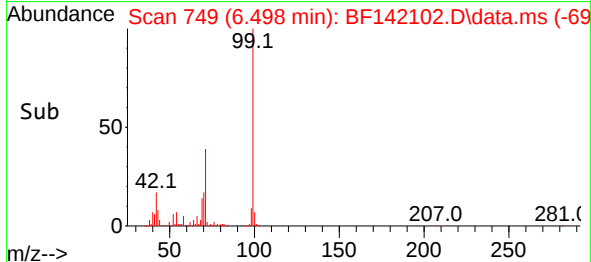
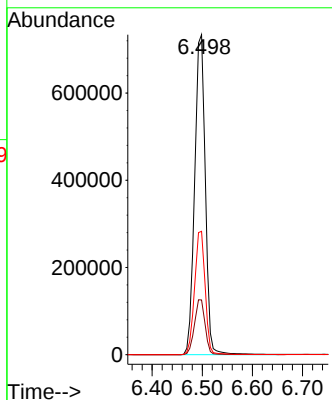
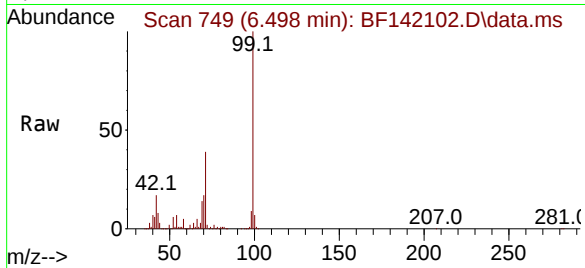




#7
Phenol-d6
Concen: 112.659 ng
RT: 6.498 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF142102.D
Acq: 26 Mar 2025 17:40

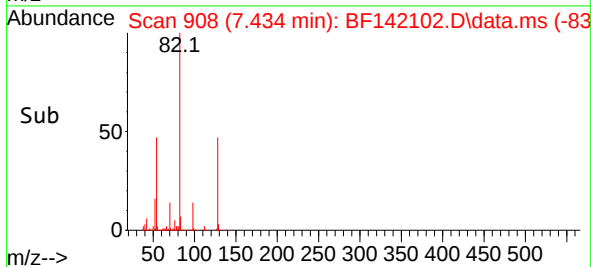
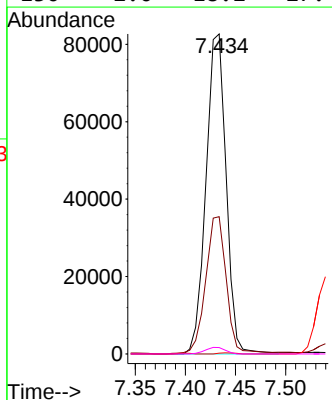
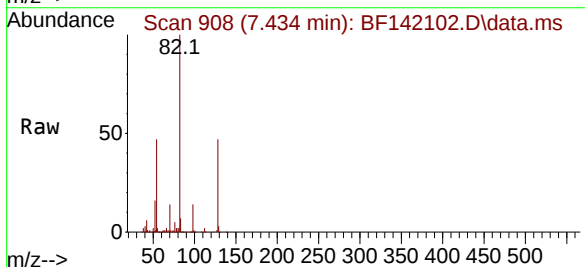
Instrument :
BNA_F
ClientSampleId :
WC-4

Tgt Ion: 99 Resp: 1081959
Ion Ratio Lower Upper
99 100
42 17.1 14.6 21.8
71 38.6 30.8 46.2



#19
n-Nitroso-di-n-propylamine
Concen: 18.759 ng
RT: 7.434 min Scan# 908
Delta R.T. 0.135 min
Lab File: BF142102.D
Acq: 26 Mar 2025 17:40

Tgt Ion: 70 Resp: 115765
Ion Ratio Lower Upper
70 100
42 42.9 41.4 62.0
101 0.3 8.2 12.2#
130 2.0 18.2 27.4#



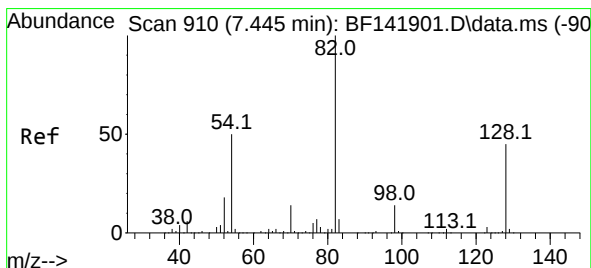
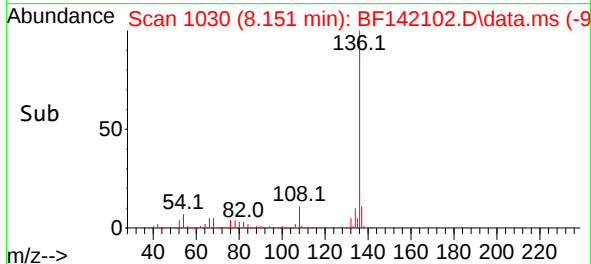
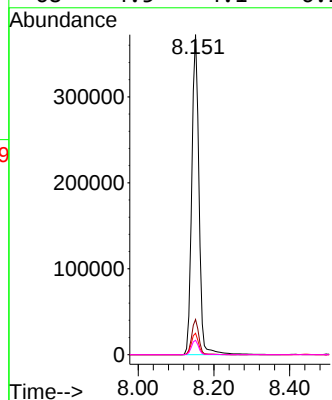
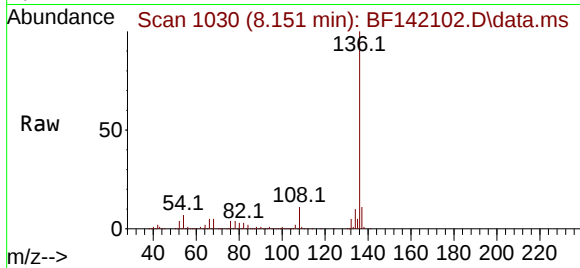


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.151 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF142102.D
Acq: 26 Mar 2025 17:40

Instrument :
BNA_F
ClientSampleId :
WC-4

Tgt Ion:136 Resp: 489828

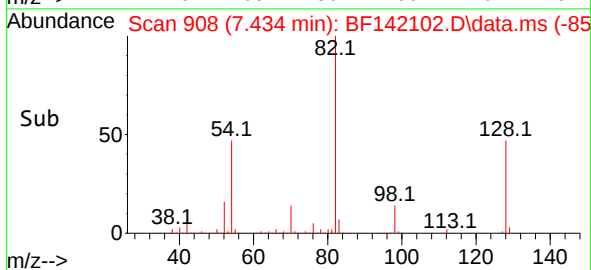
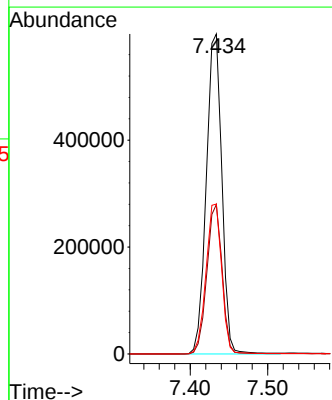
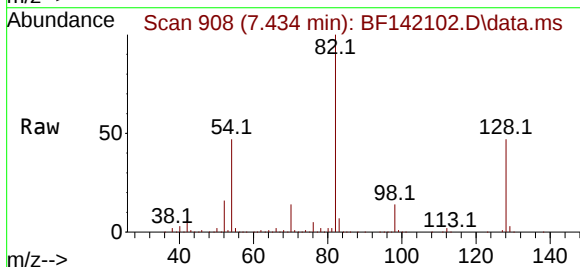
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.8	13.2
54	6.7	5.8	8.8
68	4.5	4.1	6.1



#23
Nitrobenzene-d5
Concen: 95.835 ng
RT: 7.434 min Scan# 908
Delta R.T. -0.012 min
Lab File: BF142102.D
Acq: 26 Mar 2025 17:40

Tgt Ion: 82 Resp: 834155

Ion	Ratio	Lower	Upper
82	100		
128	46.7	36.0	54.0
54	46.9	39.6	59.4

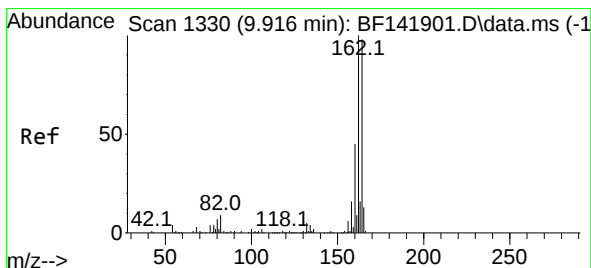
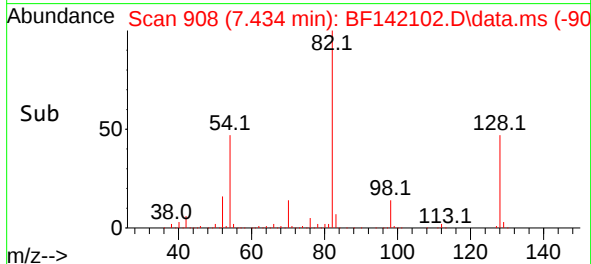
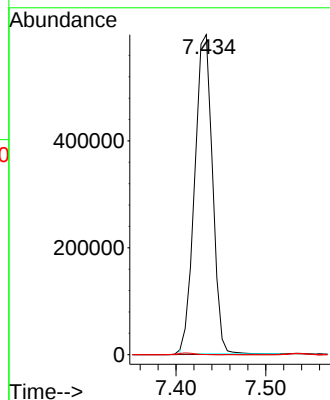
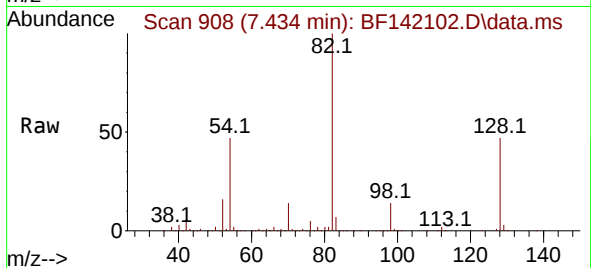




#25
Isophorone
Concen: 53.268 ng
RT: 7.434 min Scan# 90
Delta R.T. -0.270 min
Lab File: BF142102.D
Acq: 26 Mar 2025 17:40

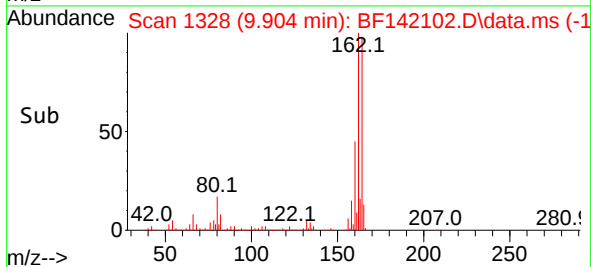
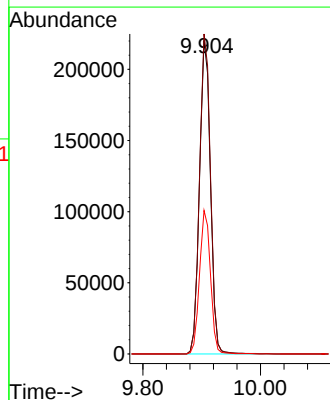
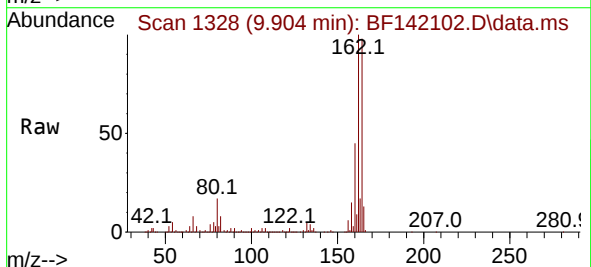
Instrument :
BNA_F
ClientSampleId :
WC-4

Tgt Ion: 82 Resp: 819568
Ion Ratio Lower Upper
82 100
95 0.0 6.4 9.6#
138 0.0 14.9 22.3#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.904 min Scan# 1328
Delta R.T. -0.012 min
Lab File: BF142102.D
Acq: 26 Mar 2025 17:40

Tgt Ion:164 Resp: 284595
Ion Ratio Lower Upper
164 100
162 102.0 81.8 122.6
160 45.7 36.7 55.1





#42

2,4,6-Tribromophenol

Concen: 168.954 ng

RT: 10.698 min Scan# 1463

Delta R.T. -0.006 min

Lab File: BF142102.D

Acq: 26 Mar 2025 17:40

Instrument :

BNA_F

ClientSampleId :

WC-4

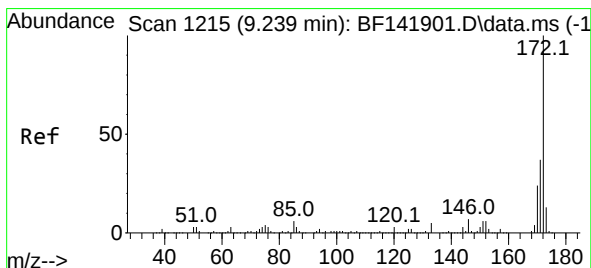
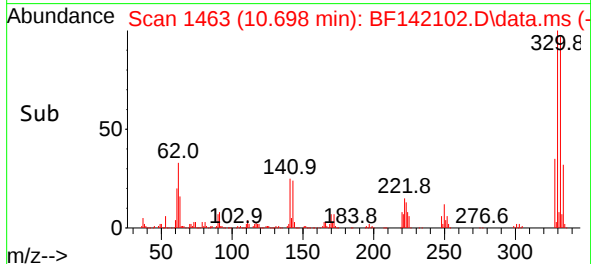
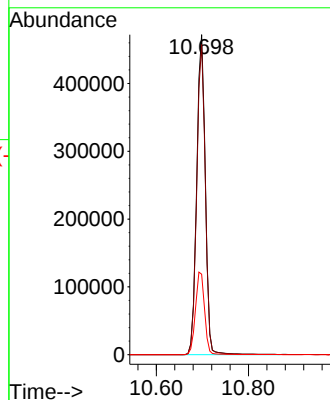
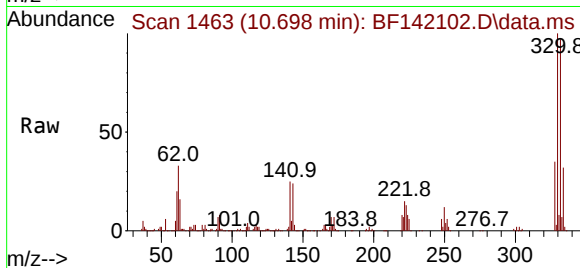
Tgt Ion:330 Resp: 610003

Ion Ratio Lower Upper

330 100

332 96.8 77.6 116.4

141 27.4 24.7 37.1



#45

2-Fluorobiphenyl

Concen: 94.730 ng

RT: 9.228 min Scan# 1213

Delta R.T. -0.012 min

Lab File: BF142102.D

Acq: 26 Mar 2025 17:40

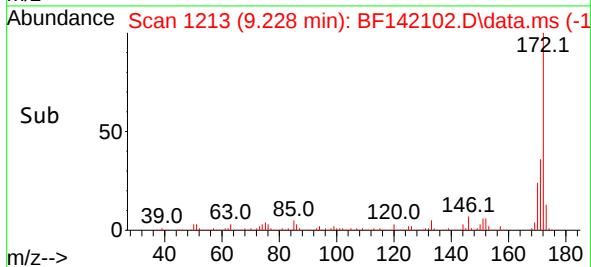
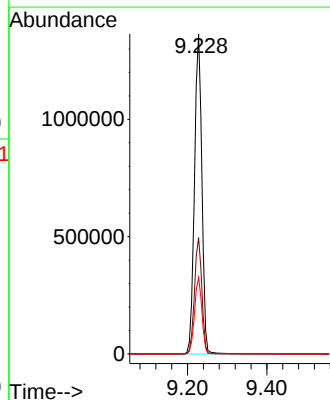
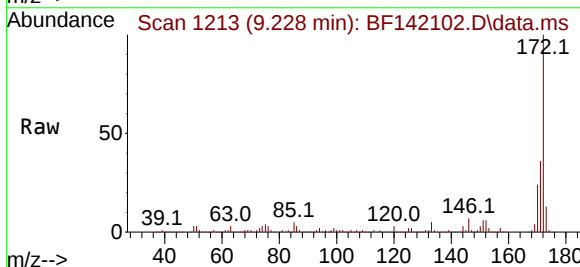
Tgt Ion:172 Resp: 1772710

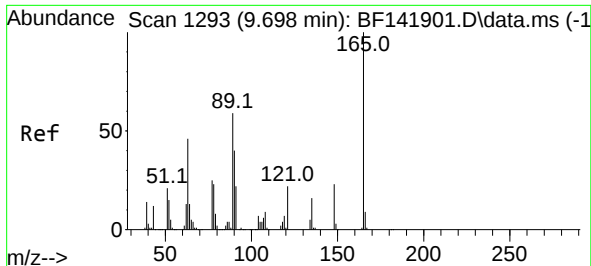
Ion Ratio Lower Upper

172 100

171 36.4 29.3 43.9

170 23.9 19.4 29.0

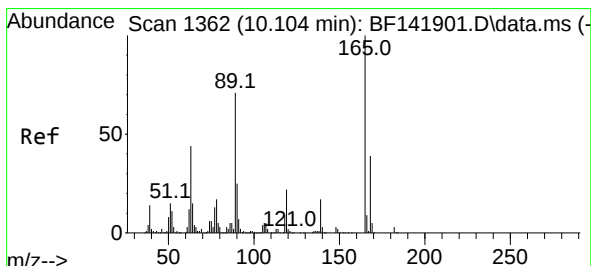
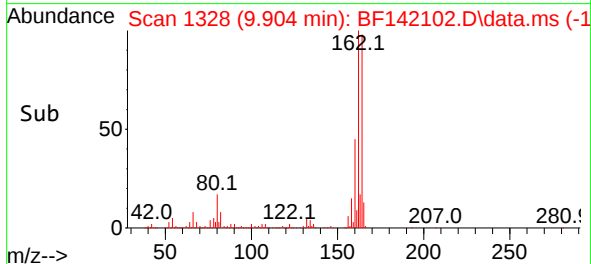
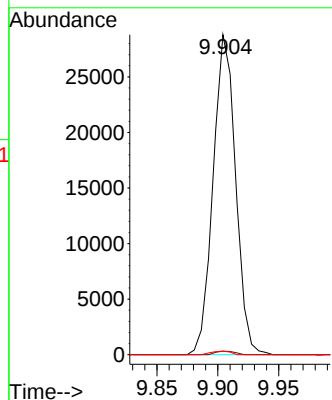
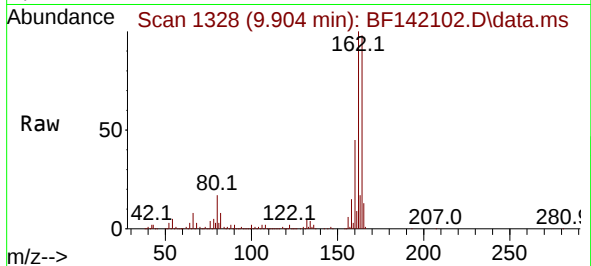




#51
2,6-Dinitrotoluene
Concen: 8.913 ng
RT: 9.904 min Scan# 1328
Delta R.T. 0.206 min
Lab File: BF142102.D
Acq: 26 Mar 2025 17:40

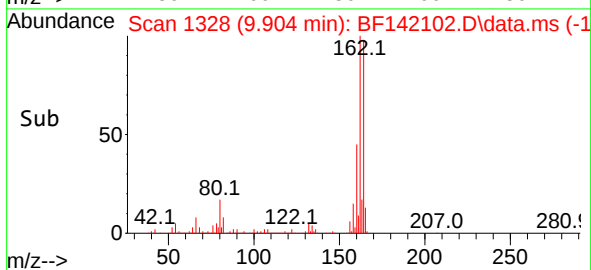
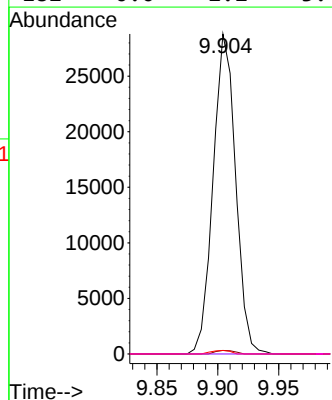
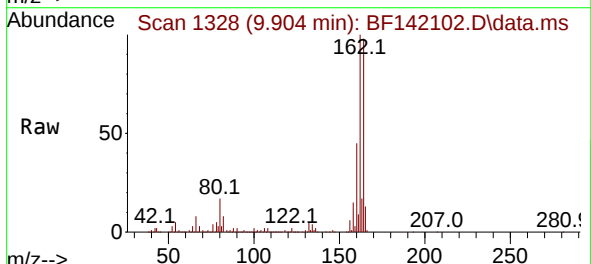
Instrument :
BNA_F
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WC-4

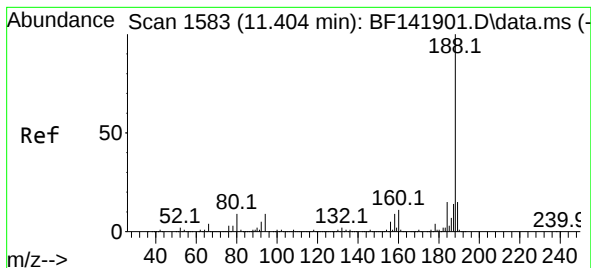
Tgt Ion:165 Resp: 36983
Ion Ratio Lower Upper
165 100
63 1.1 47.0 70.4#
89 1.1 47.4 71.2#



#57
2,4-Dinitrotoluene
Concen: 6.824 ng
RT: 9.904 min Scan# 1328
Delta R.T. -0.200 min
Lab File: BF142102.D
Acq: 26 Mar 2025 17:40

Tgt Ion:165 Resp: 36983
Ion Ratio Lower Upper
165 100
63 1.1 35.4 53.2#
89 1.1 56.6 84.8#
182 0.0 2.2 3.4#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.392 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF142102.D

Acq: 26 Mar 2025 17:40

Instrument :

BNA_F

ClientSampleId :

WC-4

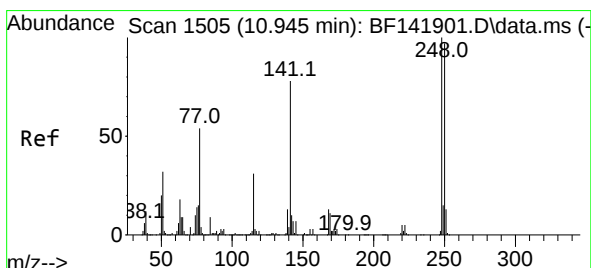
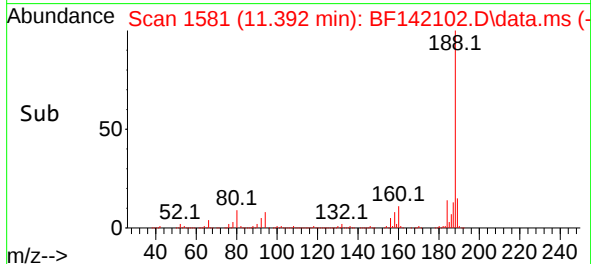
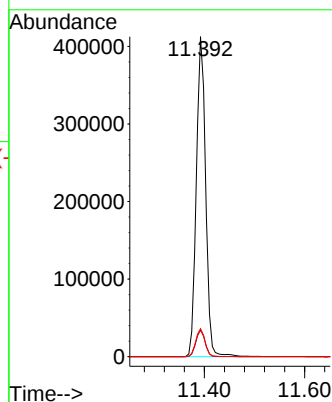
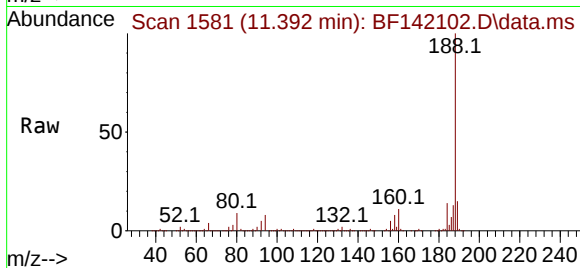
Tgt Ion:188 Resp: 531902

Ion Ratio Lower Upper

188 100

94 8.3 6.8 10.2

80 8.8 7.6 11.4



#67

4-Bromophenyl-phenylether

Concen: 5.508 ng

RT: 10.698 min Scan# 1463

Delta R.T. -0.247 min

Lab File: BF142102.D

Acq: 26 Mar 2025 17:40

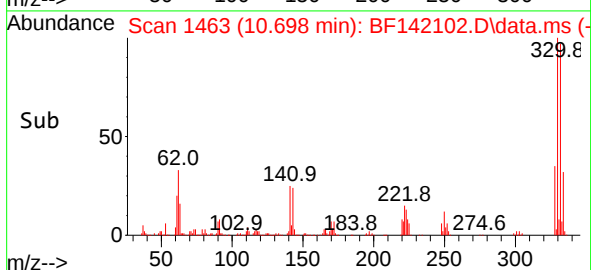
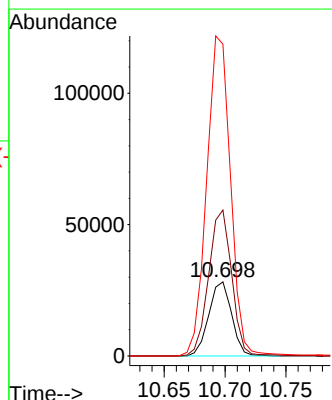
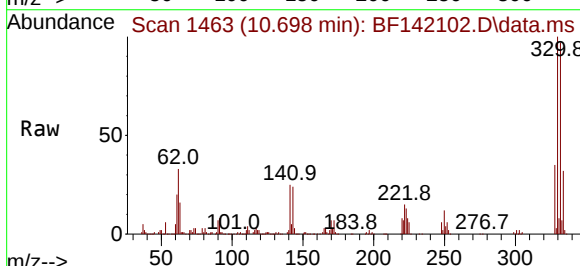
Tgt Ion:248 Resp: 36792

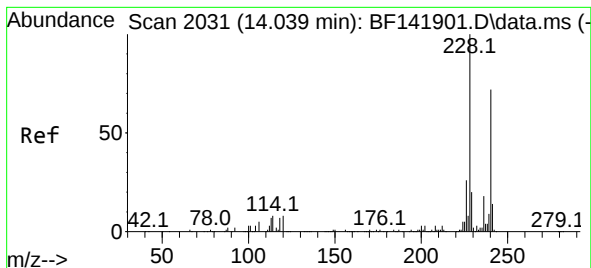
Ion Ratio Lower Upper

248 100

250 197.1 77.8 116.8#

141 421.1 62.6 93.8#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.033 min Scan# 2031

Delta R.T. -0.006 min

Lab File: BF142102.D

Acq: 26 Mar 2025 17:40

Instrument :

BNA_F

ClientSampleId :

WC-4

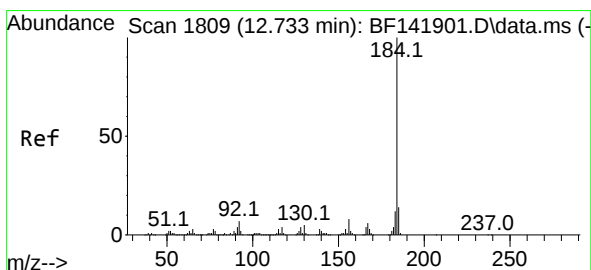
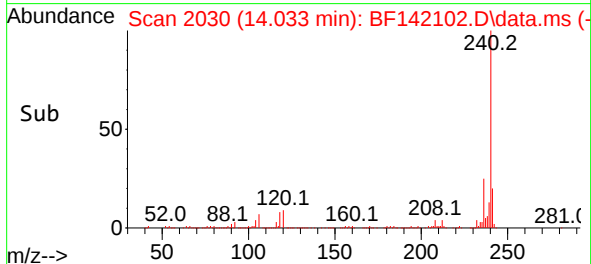
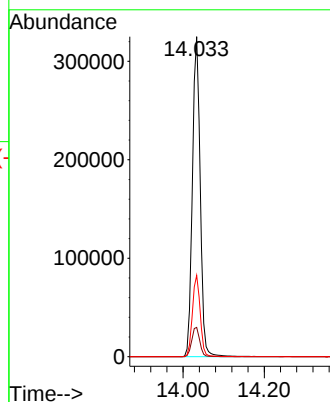
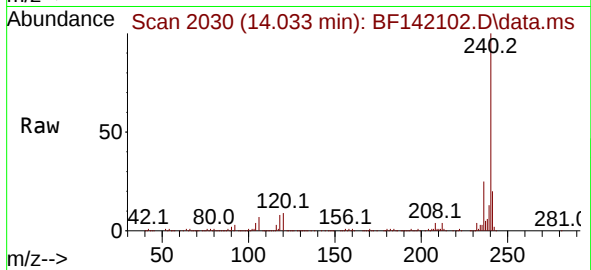
Tgt Ion:240 Resp: 433532

Ion Ratio Lower Upper

240 100

120 9.2 8.4 12.6

236 25.4 20.5 30.7



#77

Benzidine

Concen: 5.889 ng

RT: 12.980 min Scan# 1851

Delta R.T. 0.247 min

Lab File: BF142102.D

Acq: 26 Mar 2025 17:40

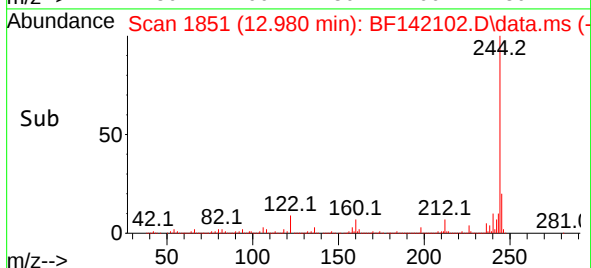
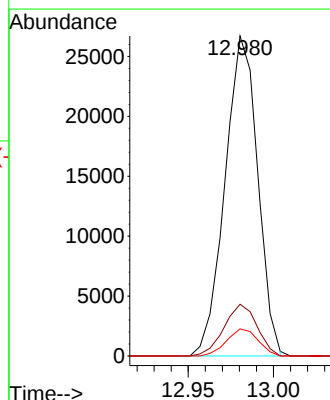
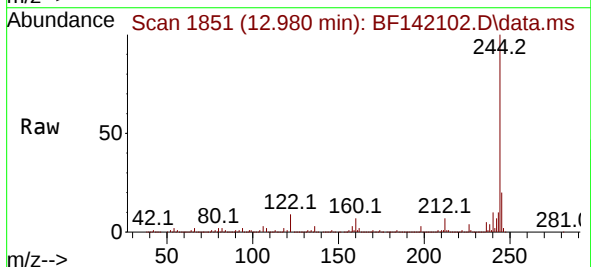
Tgt Ion:184 Resp: 35619

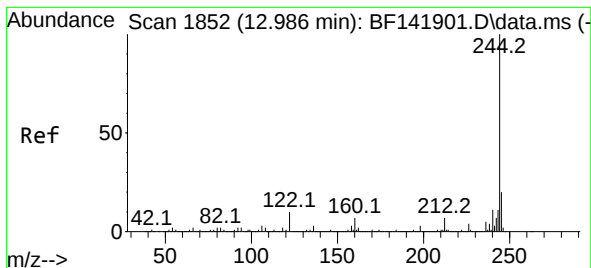
Ion Ratio Lower Upper

184 100

185 16.2 11.5 17.3

183 8.4 9.7 14.5#





#79

Terphenyl-d14

Concen: 87.491 ng

RT: 12.980 min Scan# 1851

Delta R.T. -0.006 min

Lab File: BF142102.D

Acq: 26 Mar 2025 17:40

Instrument :

BNA_F

ClientSampleId :

WC-4

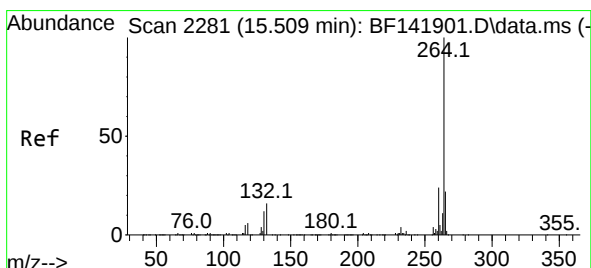
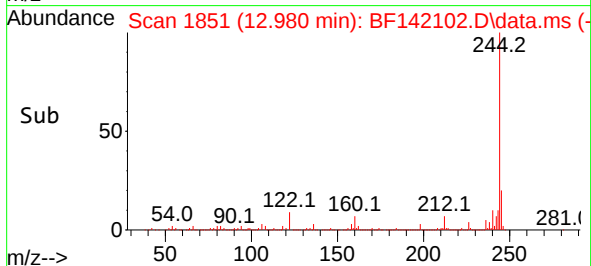
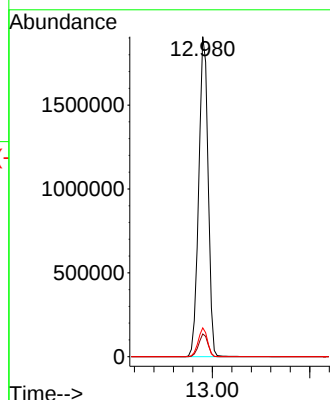
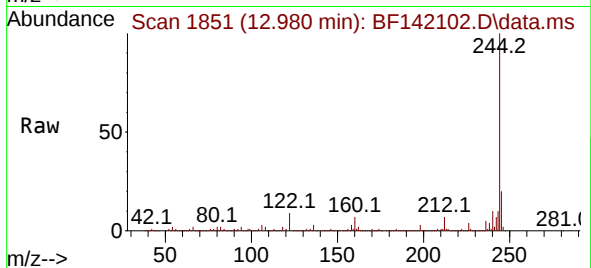
Tgt Ion:244 Resp: 2565514

Ion Ratio Lower Upper

244 100

212 7.1 6.0 9.0

122 9.0 7.7 11.5



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.504 min Scan# 2280

Delta R.T. -0.006 min

Lab File: BF142102.D

Acq: 26 Mar 2025 17:40

Tgt Ion:264 Resp: 304352

Ion Ratio Lower Upper

264 100

260 23.7 19.1 28.7

265 22.3 17.5 26.3

