

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032725\
 Data File : BF142124.D
 Acq On : 27 Mar 2025 14:08
 Operator : RC/JU
 Sample : Q1645-01
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-4

Quant Time: Mar 27 14:32:52 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)

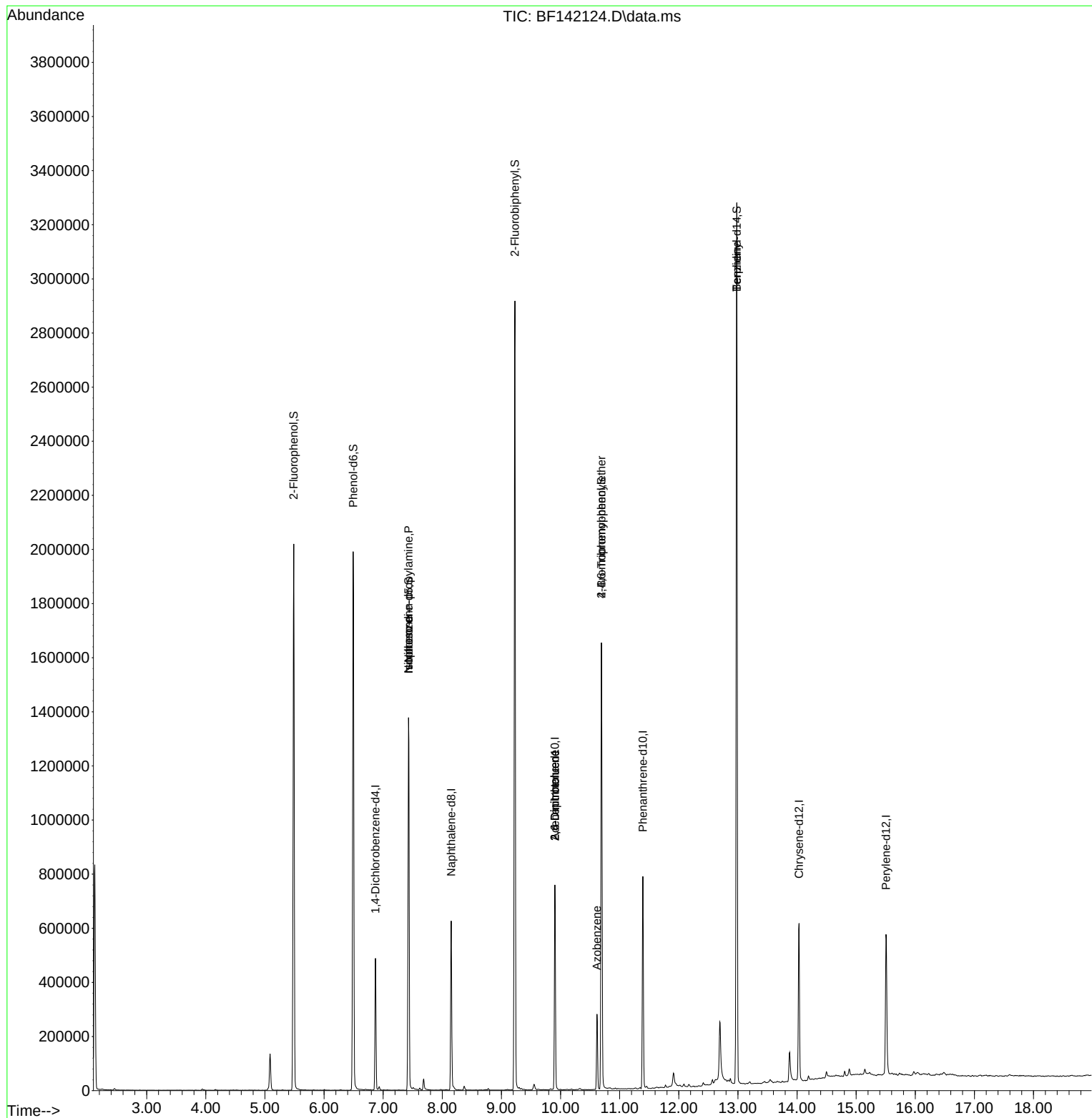
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	102305	20.000	ng	-0.01
21) Naphthalene-d8	8.151	136	405650	20.000	ng	-0.01
39) Acenaphthene-d10	9.904	164	226327	20.000	ng	-0.01
64) Phenanthrene-d10	11.392	188	401651	20.000	ng	-0.01
76) Chrysene-d12	14.033	240	303168	20.000	ng	0.00
86) Perylene-d12	15.504	264	327999	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	800389	130.572	ng	0.00
7) Phenol-d6	6.493	99	973953	124.791	ng	-0.01
23) Nitrobenzene-d5	7.428	82	643272	89.241	ng	-0.02
42) 2,4,6-Tribromophenol	10.692	330	307634	107.143	ng	-0.01
45) 2-Fluorobiphenyl	9.228	172	1303738	87.605	ng	-0.01
79) Terphenyl-d14	12.980	244	1611953	78.610	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.428	70	87522	17.452	ng	# 77
25) Isophorone	7.428	82	635839	49.902	ng	# 64
51) 2,6-Dinitrotoluene	9.904	165	29429	8.918	ng	# 23
57) 2,4-Dinitrotoluene	9.904	165	29429	6.828	ng	# 24
63) Azobenzene	10.616	77	70906	4.826	ng	# 1
67) 4-Bromophenyl-phenylether	10.692	248	18689	3.705	ng	# 1
77) Benzidine	12.980	184	21103	4.989	ng	# 92

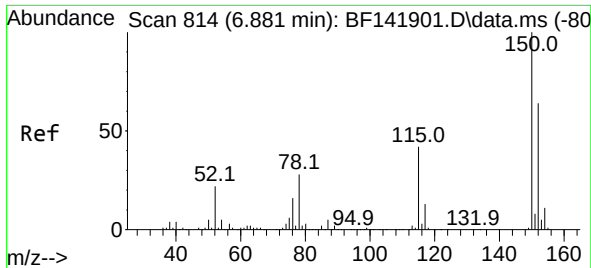
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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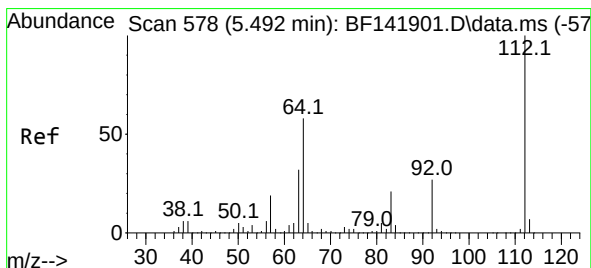
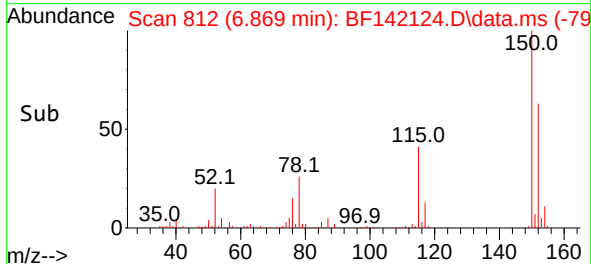
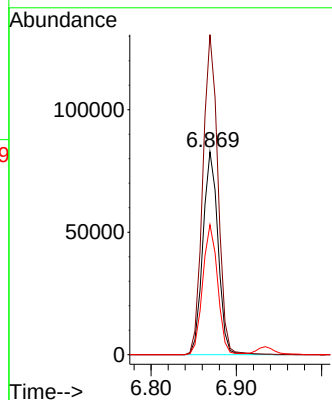
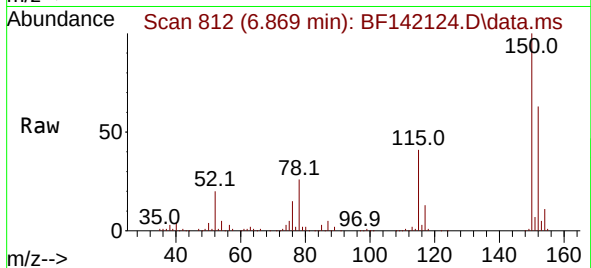




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 814
Delta R.T. -0.012 min
Lab File: BF142124.D
Acq: 27 Mar 2025 14:08

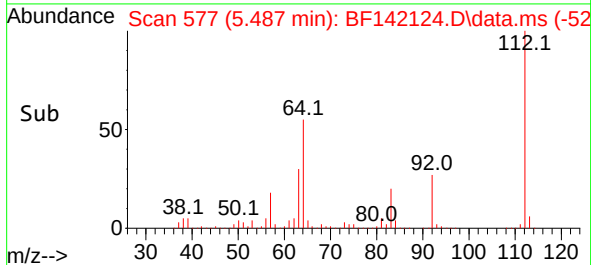
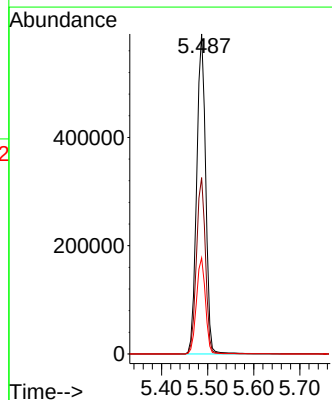
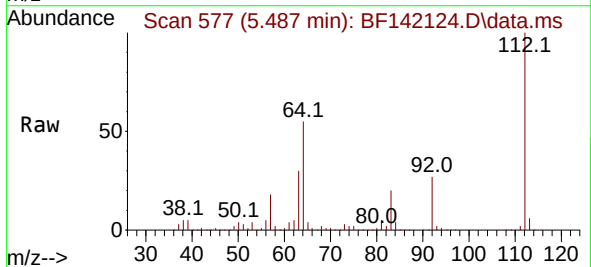
Instrument :
BNA_F
ClientSampleId :
TP-4

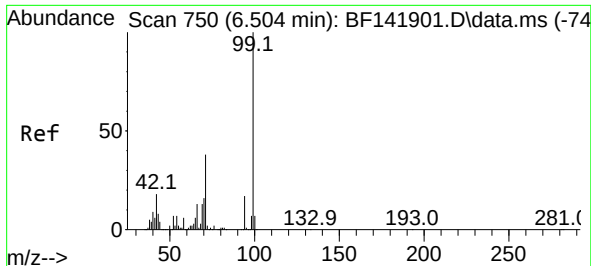
Tgt Ion:152 Resp: 102305
Ion Ratio Lower Upper
152 100
150 157.7 127.4 191.2
115 64.0 51.9 77.9



#5
2-Fluorophenol
Concen: 130.572 ng
RT: 5.487 min Scan# 577
Delta R.T. -0.006 min
Lab File: BF142124.D
Acq: 27 Mar 2025 14:08

Tgt Ion:112 Resp: 800389
Ion Ratio Lower Upper
112 100
64 55.1 46.5 69.7
63 30.0 25.4 38.2

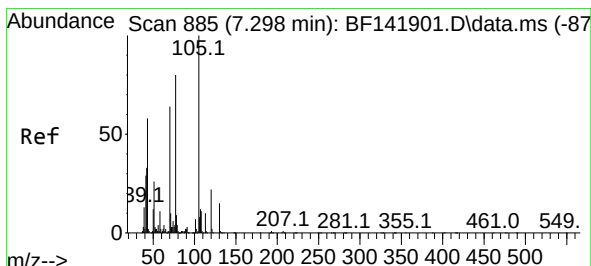
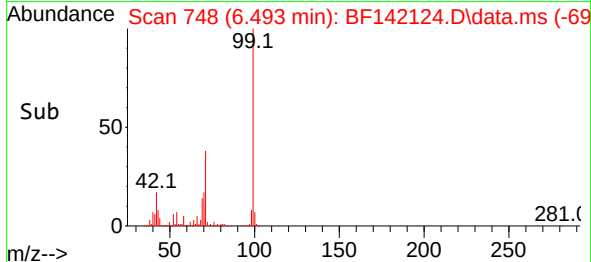
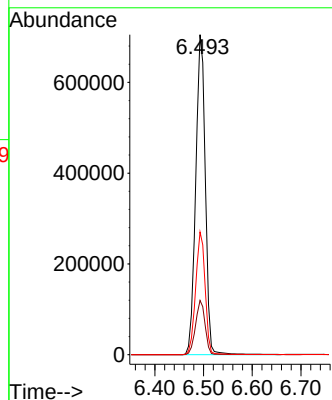
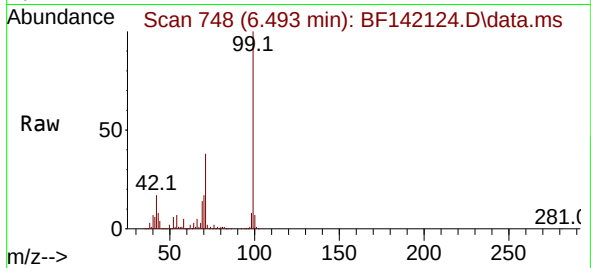




#7
Phenol-d6
Concen: 124.791 ng
RT: 6.493 min Scan# 74
Delta R.T. -0.012 min
Lab File: BF142124.D
Acq: 27 Mar 2025 14:08

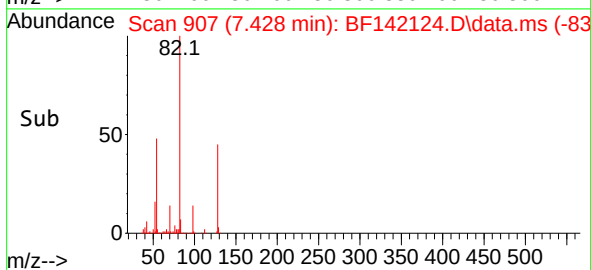
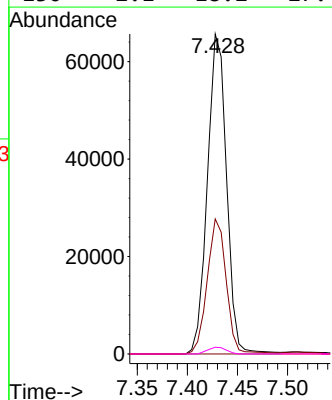
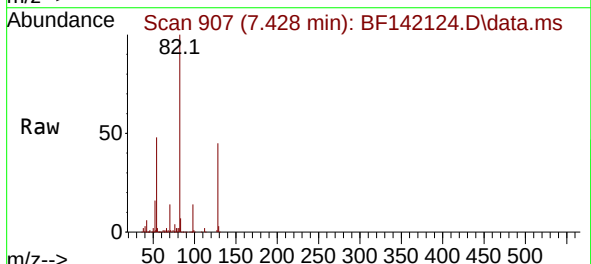
Instrument :
BNA_F
ClientSampleId :
TP-4

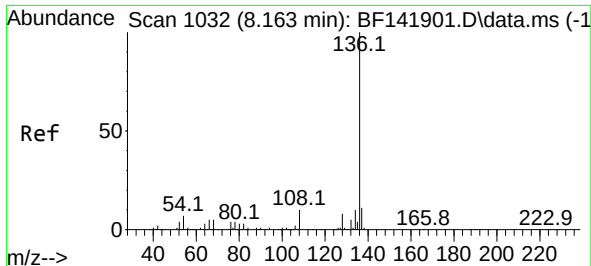
Tgt Ion: 99 Resp: 973953
Ion Ratio Lower Upper
99 100
42 17.0 14.6 21.8
71 38.3 30.8 46.2



#19
n-Nitroso-di-n-propylamine
Concen: 17.452 ng
RT: 7.428 min Scan# 907
Delta R.T. 0.130 min
Lab File: BF142124.D
Acq: 27 Mar 2025 14:08

Tgt Ion: 70 Resp: 87522
Ion Ratio Lower Upper
70 100
42 42.2 41.4 62.0
101 0.0 8.2 12.2#
130 2.1 18.2 27.4#



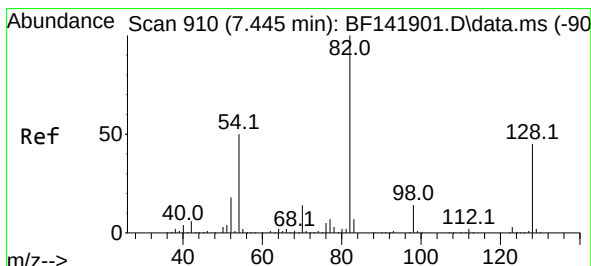
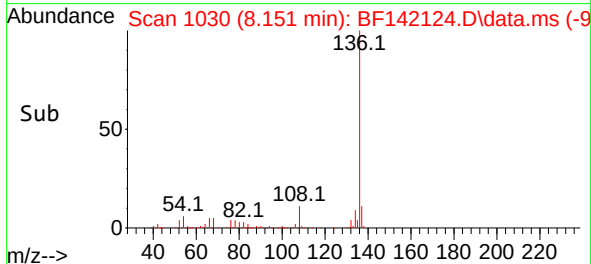
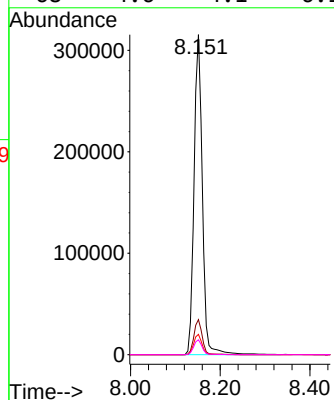
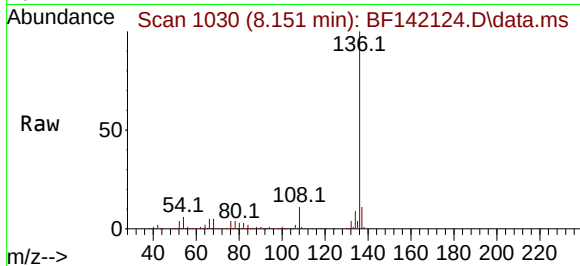


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.151 min Scan# 1030
Delta R.T. -0.012 min
Lab File: BF142124.D
Acq: 27 Mar 2025 14:08

Instrument :
BNA_F
ClientSampleId :
TP-4

Tgt Ion:136 Resp: 405650

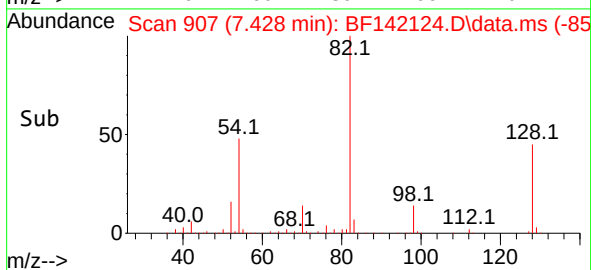
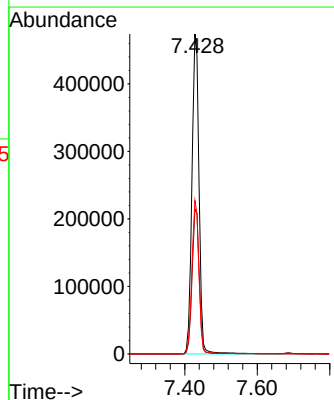
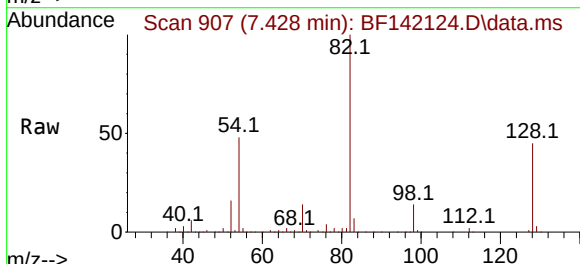
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.8	13.2
54	6.3	5.8	8.8
68	4.6	4.1	6.1

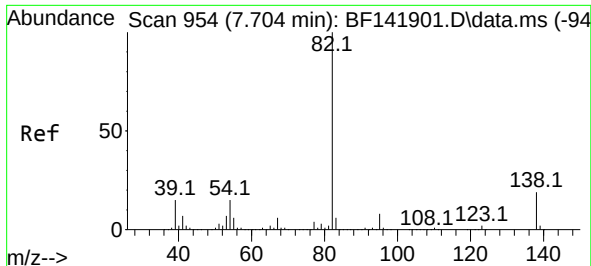


#23
Nitrobenzene-d5
Concen: 89.241 ng
RT: 7.428 min Scan# 907
Delta R.T. -0.017 min
Lab File: BF142124.D
Acq: 27 Mar 2025 14:08

Tgt Ion: 82 Resp: 643272

Ion	Ratio	Lower	Upper
82	100		
128	45.3	36.0	54.0
54	48.0	39.6	59.4

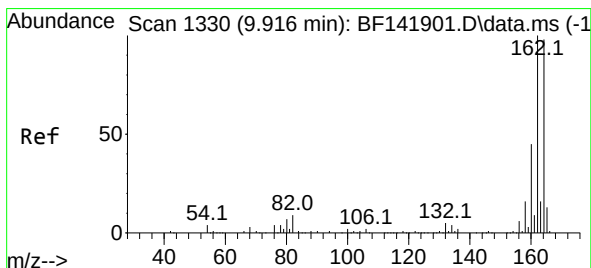
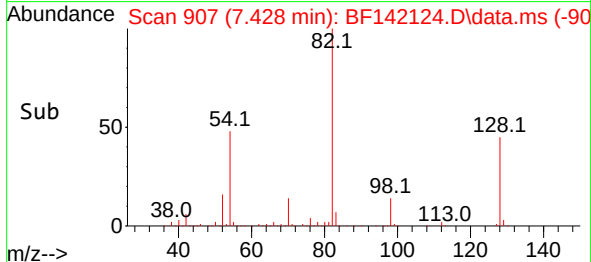
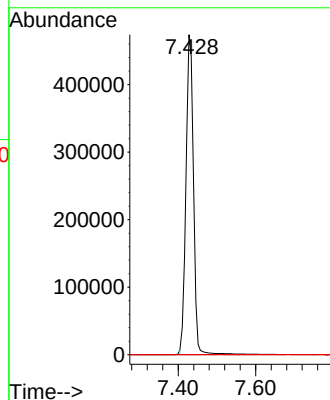
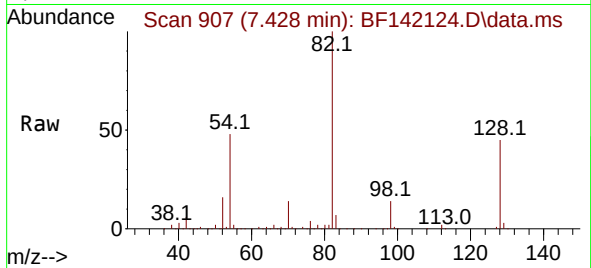




#25
Isophorone
Concen: 49.902 ng
RT: 7.428 min Scan# 90
Delta R.T. -0.276 min
Lab File: BF142124.D
Acq: 27 Mar 2025 14:08

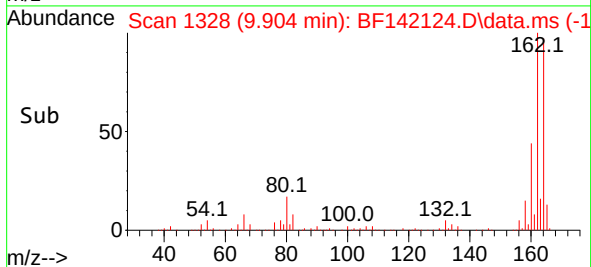
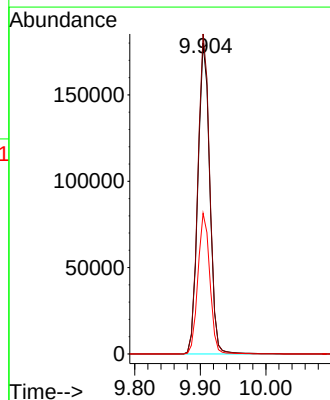
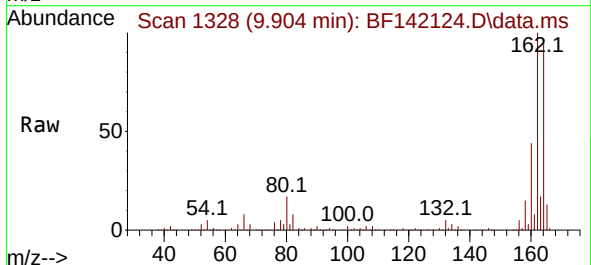
Instrument :
BNA_F
ClientSampleId :
TP-4

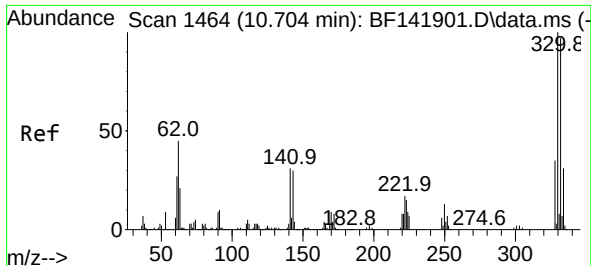
Tgt Ion: 82 Resp: 635839
Ion Ratio Lower Upper
82 100
95 0.0 6.4 9.6#
138 0.0 14.9 22.3#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.904 min Scan# 1328
Delta R.T. -0.012 min
Lab File: BF142124.D
Acq: 27 Mar 2025 14:08

Tgt Ion:164 Resp: 226327
Ion Ratio Lower Upper
164 100
162 102.9 81.8 122.6
160 45.2 36.7 55.1





#42

2,4,6-Tribromophenol

Concen: 107.143 ng

RT: 10.692 min Scan# 1462

Delta R.T. -0.012 min

Lab File: BF142124.D

Acq: 27 Mar 2025 14:08

Instrument :

BNA_F

ClientSampleId :

TP-4

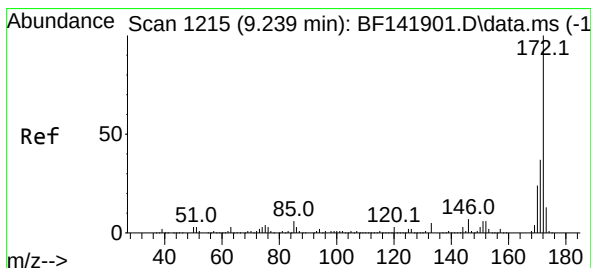
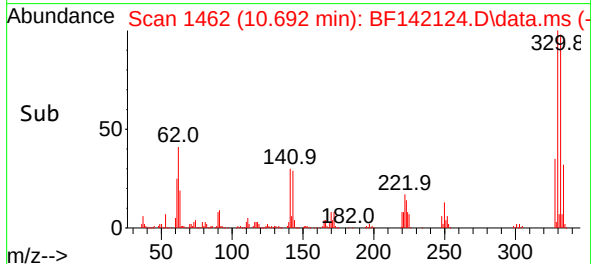
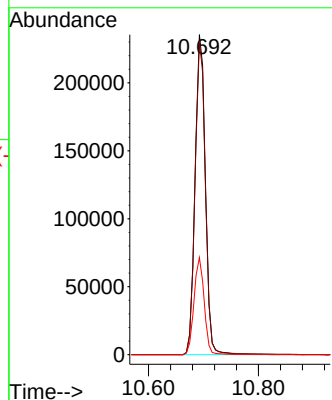
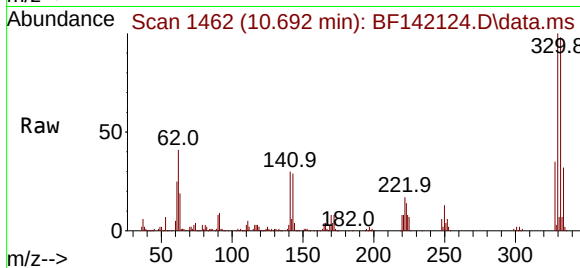
Tgt Ion:330 Resp: 307634

Ion Ratio Lower Upper

330 100

332 97.7 77.6 116.4

141 29.8 24.7 37.1



#45

2-Fluorobiphenyl

Concen: 87.605 ng

RT: 9.228 min Scan# 1213

Delta R.T. -0.012 min

Lab File: BF142124.D

Acq: 27 Mar 2025 14:08

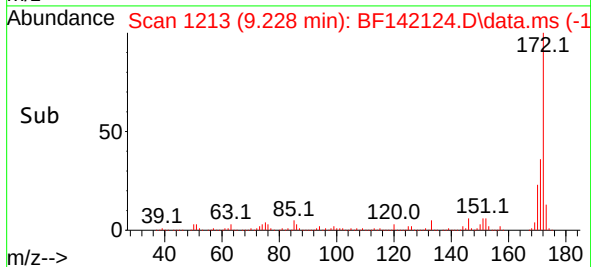
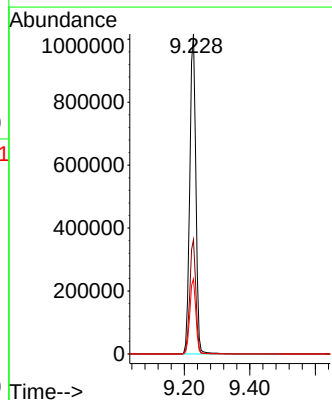
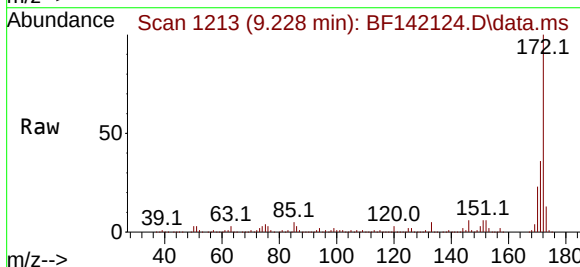
Tgt Ion:172 Resp: 1303738

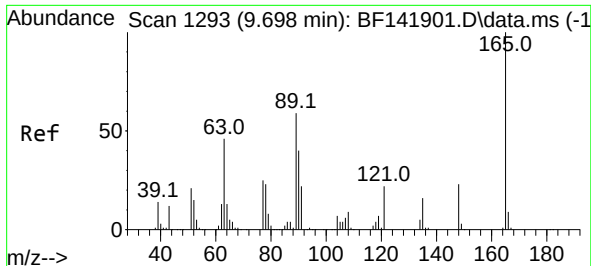
Ion Ratio Lower Upper

172 100

171 35.7 29.3 43.9

170 23.5 19.4 29.0

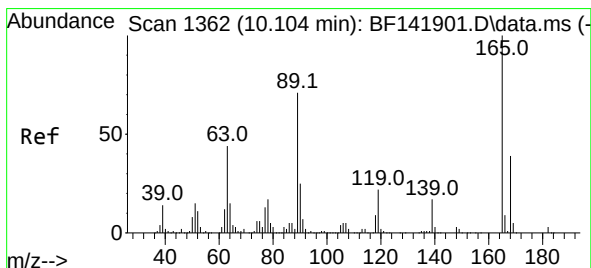
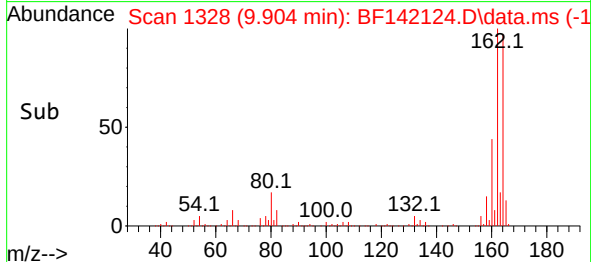
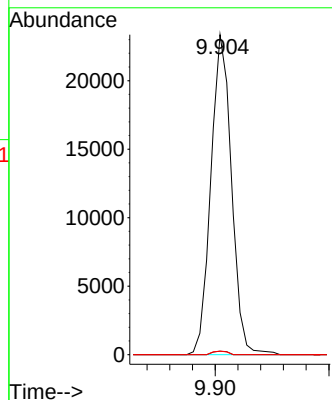
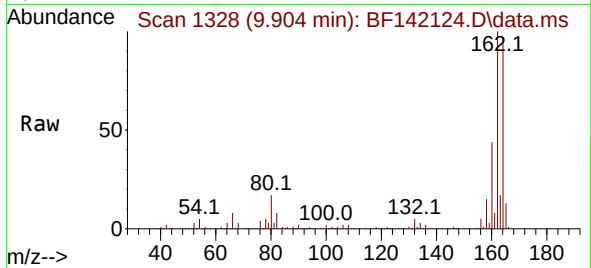




#51
2,6-Dinitrotoluene
Concen: 8.918 ng
RT: 9.904 min Scan# 11
Delta R.T. 0.206 min
Lab File: BF142124.D
Acq: 27 Mar 2025 14:08

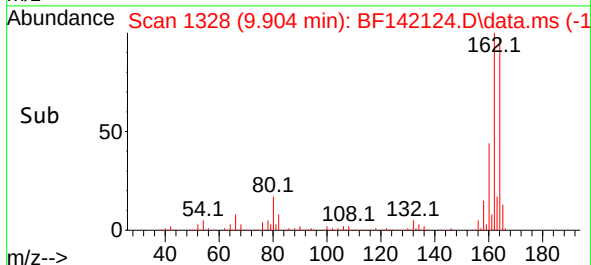
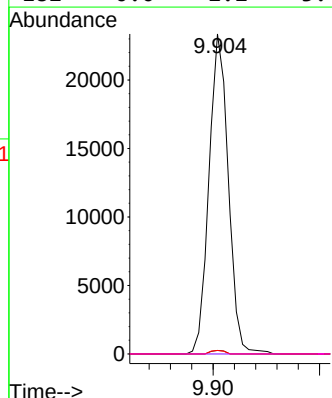
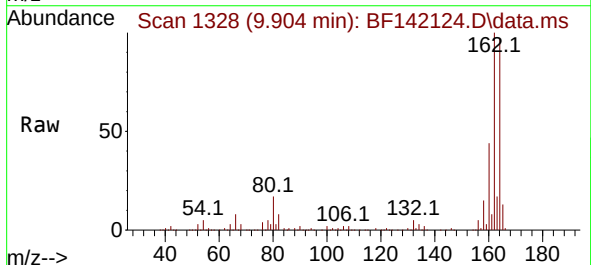
Instrument :
BNA_F
ClientSampleId :
TP-4

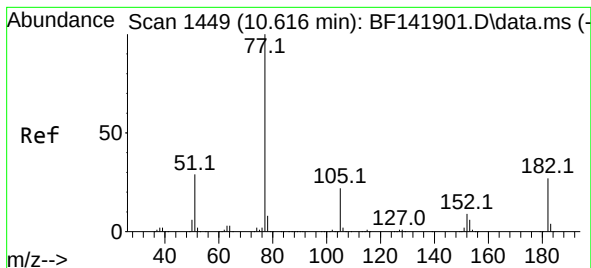
Tgt Ion:165 Resp: 29429
Ion Ratio Lower Upper
165 100
63 1.1 47.0 70.4#
89 1.1 47.4 71.2#



#57
2,4-Dinitrotoluene
Concen: 6.828 ng
RT: 9.904 min Scan# 1328
Delta R.T. -0.200 min
Lab File: BF142124.D
Acq: 27 Mar 2025 14:08

Tgt Ion:165 Resp: 29429
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#





#63

Azobenzene

Concen: 4.826 ng

RT: 10.616 min Scan# 1449

Delta R.T. 0.000 min

Lab File: BF142124.D

Acq: 27 Mar 2025 14:08

Instrument :

BNA_F

ClientSampleId :

TP-4

Tgt Ion: 77 Resp: 70906

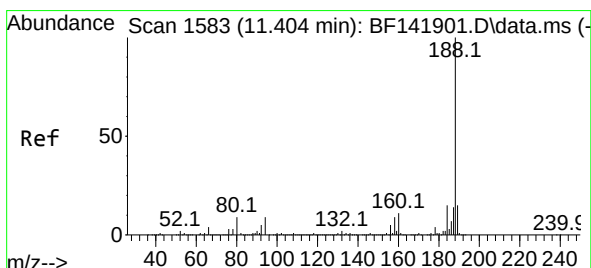
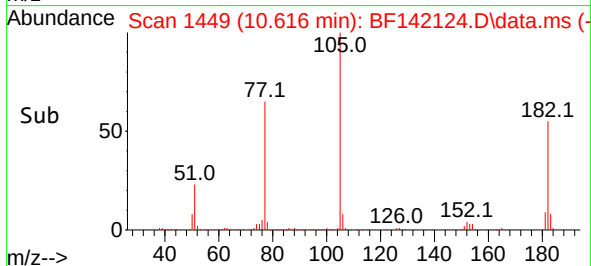
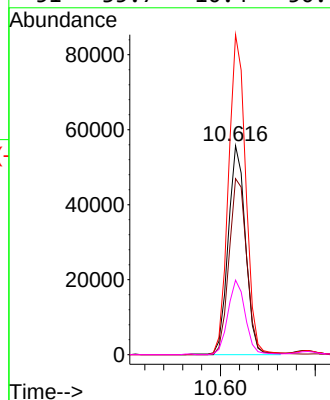
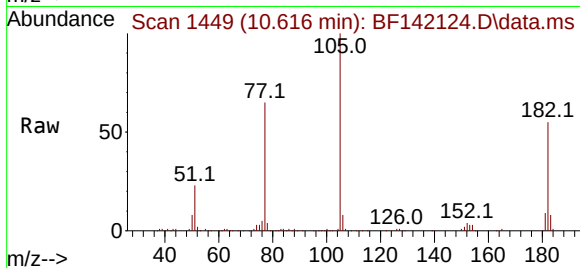
Ion Ratio Lower Upper

77 100

182 84.3 6.6 46.6#

105 153.1 1.3 41.3#

51 35.7 10.4 50.4



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.392 min Scan# 1581

Delta R.T. -0.012 min

Lab File: BF142124.D

Acq: 27 Mar 2025 14:08

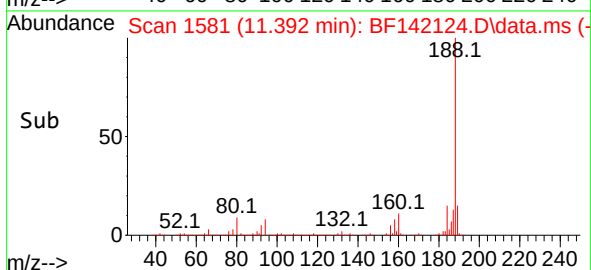
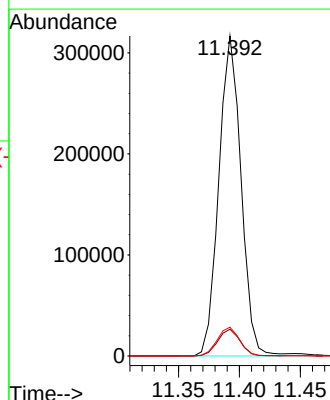
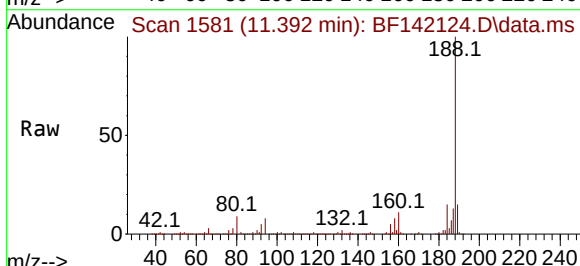
Tgt Ion: 188 Resp: 401651

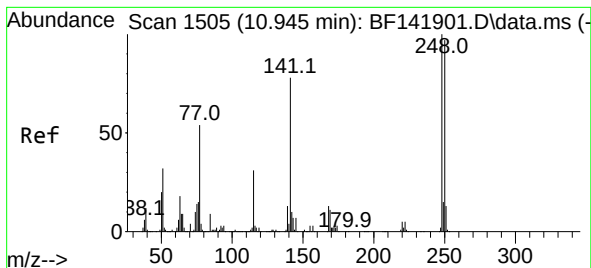
Ion Ratio Lower Upper

188 100

94 8.3 6.8 10.2

80 9.0 7.6 11.4

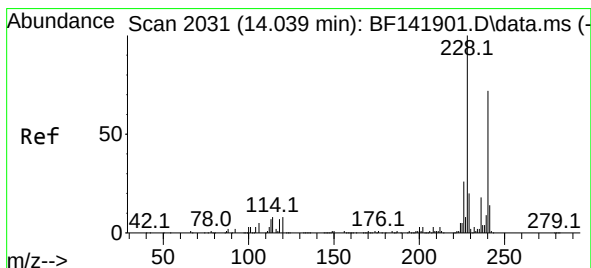
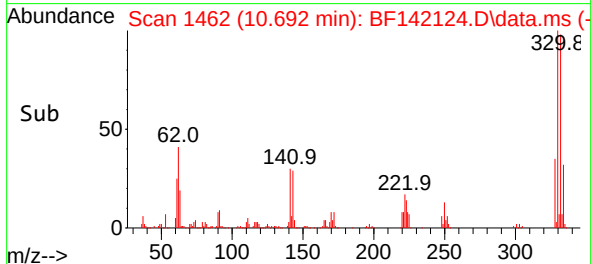
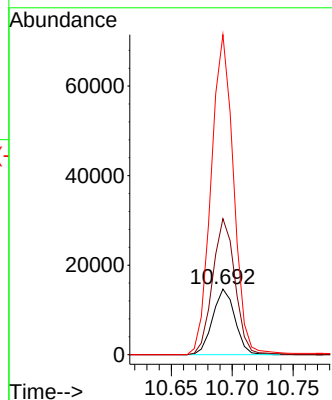
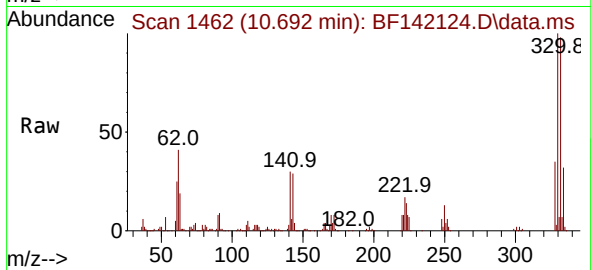




#67
4-Bromophenyl-phenylether
Concen: 3.705 ng
RT: 10.692 min Scan# 14
Delta R.T. -0.253 min
Lab File: BF142124.D
Acq: 27 Mar 2025 14:08

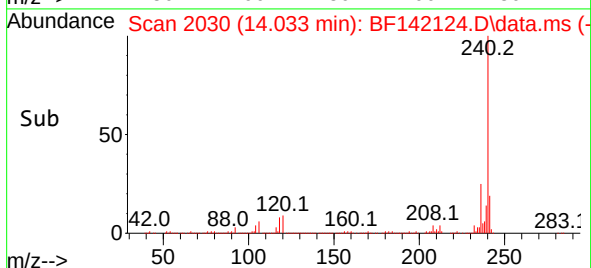
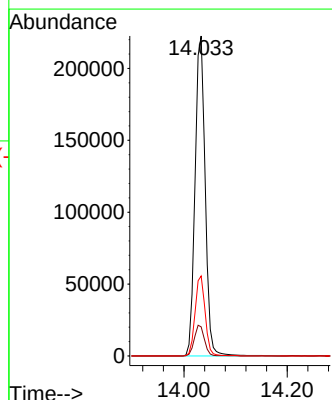
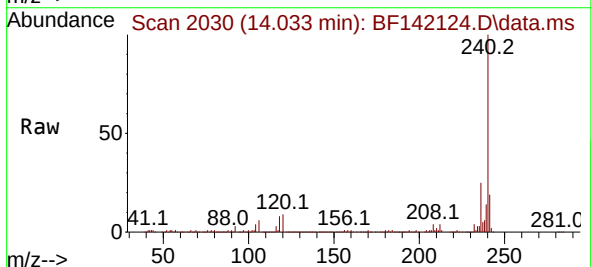
Instrument :
BNA_F
ClientSampleId :
TP-4

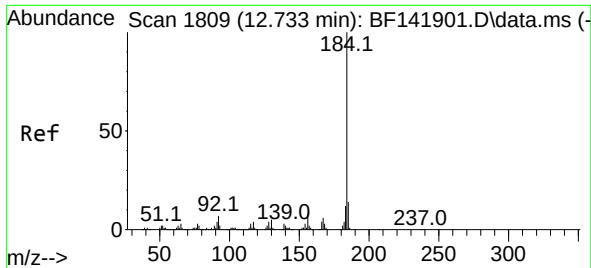
Tgt Ion:248 Resp: 18689
Ion Ratio Lower Upper
248 100
250 207.0 77.8 116.8#
141 487.3 62.6 93.8#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.033 min Scan# 2030
Delta R.T. -0.006 min
Lab File: BF142124.D
Acq: 27 Mar 2025 14:08

Tgt Ion:240 Resp: 303168
Ion Ratio Lower Upper
240 100
120 9.1 8.4 12.6
236 25.0 20.5 30.7

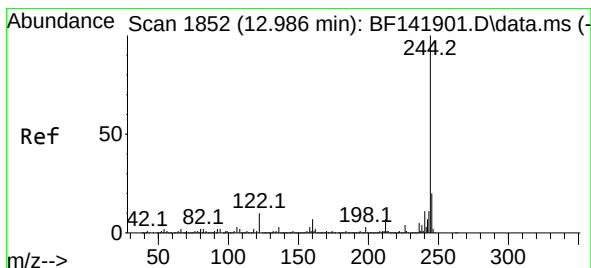
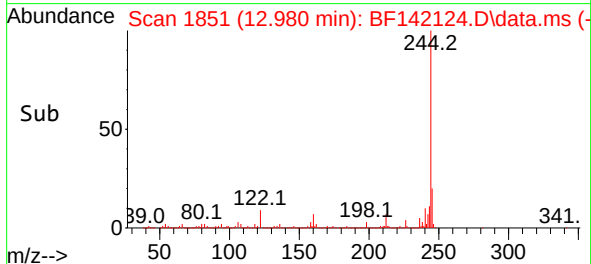
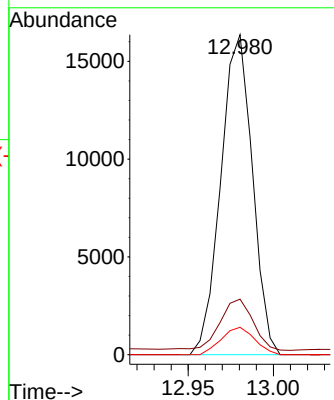
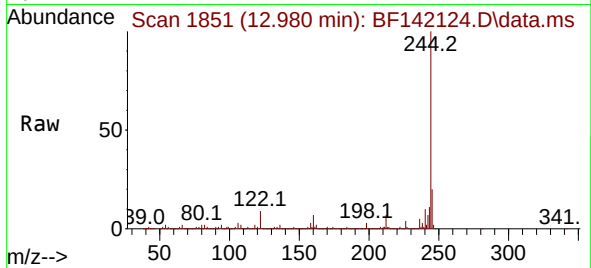




#77
Benzidine
Concen: 4.989 ng
RT: 12.980 min Scan# 1851
Delta R.T. 0.247 min
Lab File: BF142124.D
Acq: 27 Mar 2025 14:08

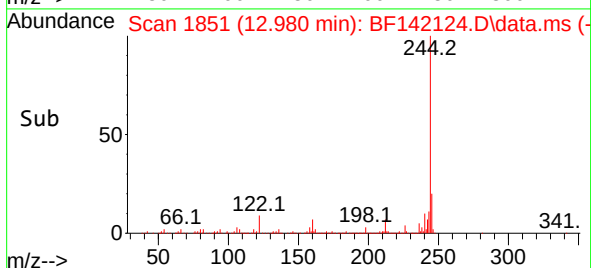
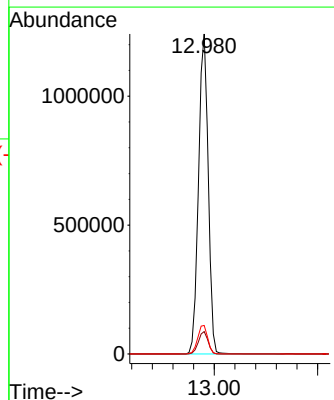
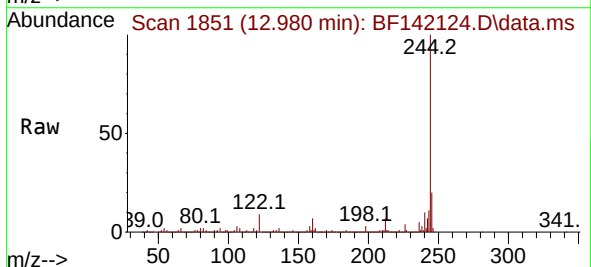
Instrument :
BNA_F
ClientSampleId :
TP-4

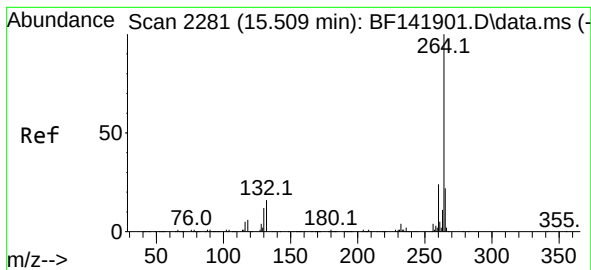
Tgt Ion:184 Resp: 21103
Ion Ratio Lower Upper
184 100
185 17.4 11.5 17.3#
183 8.5 9.7 14.5#



#79
Terphenyl-d14
Concen: 78.610 ng
RT: 12.980 min Scan# 1851
Delta R.T. -0.006 min
Lab File: BF142124.D
Acq: 27 Mar 2025 14:08

Tgt Ion:244 Resp: 1611953
Ion Ratio Lower Upper
244 100
212 7.0 6.0 9.0
122 8.9 7.7 11.5





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.504 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF142124.D

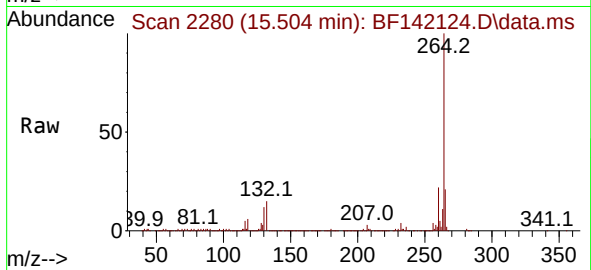
Acq: 27 Mar 2025 14:08

Instrument :

BNA_F

ClientSampleId :

TP-4



Tgt Ion:264 Resp: 327999

Ion Ratio Lower Upper

264 100

260 22.4 19.1 28.7

265 21.0 17.5 26.3

