

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021225\
 Data File : BF141597.D
 Acq On : 12 Feb 2025 18:20
 Operator : RC/JU
 Sample : Q1349-01
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TWP-1-PERMIT

Quant Time: Feb 12 21:59:43 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 06 16:58:59 2025
 Response via : Initial Calibration

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

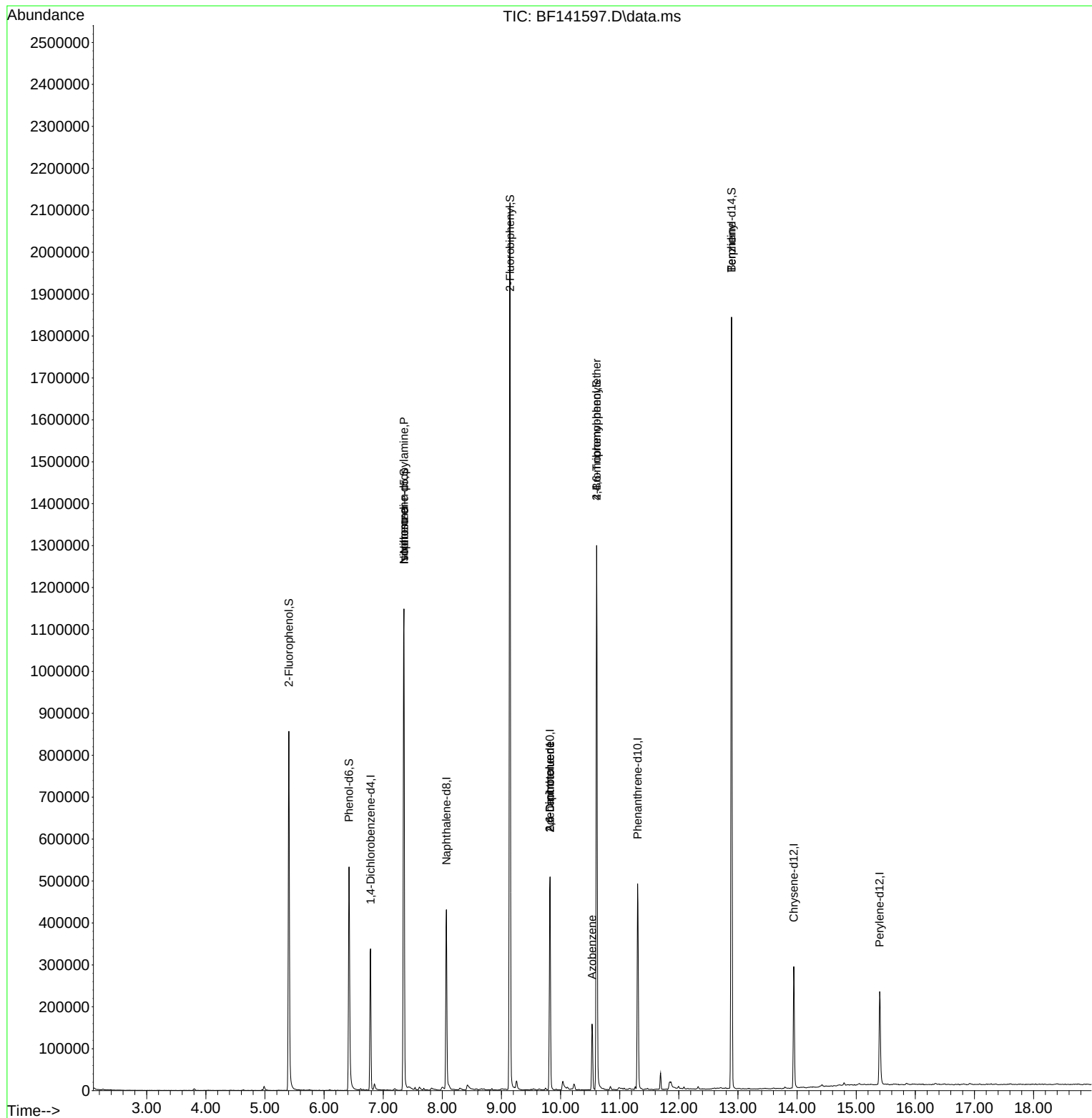
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.787	152	72660	20.000	ng	0.00
21) Naphthalene-d8	8.069	136	291296	20.000	ng	0.00
39) Acenaphthene-d10	9.822	164	158211	20.000	ng	-0.01
64) Phenanthrene-d10	11.304	188	263611	20.000	ng	-0.01
76) Chrysene-d12	13.945	240	150385	20.000	ng	-0.02
86) Perylene-d12	15.398	264	139373	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.404	112	324998	70.123	ng	0.00
7) Phenol-d6	6.422	99	256483	43.784	ng	-0.02
23) Nitrobenzene-d5	7.351	82	522606	93.576	ng	-0.01
42) 2,4,6-Tribromophenol	10.610	330	212543	133.734	ng	-0.02
45) 2-Fluorobiphenyl	9.145	172	961139	93.595	ng	0.00
79) Terphenyl-d14	12.892	244	892739	100.216	ng	-0.01
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.351	70	70348	20.077	ng	# 74
25) Isophorone	7.351	82	508082	57.057	ng	# 66
51) 2,6-Dinitrotoluene	9.822	165	20628	8.786	ng	# 22
57) 2,4-Dinitrotoluene	9.822	165	20628	6.599	ng	# 19
63) Azobenzene	10.533	77	39511	3.761	ng	# 1
67) 4-Bromophenyl-phenylether	10.610	248	14266	4.842	ng	# 1
77) Benzidine	12.892	184	11789	3.554	ng	# 90

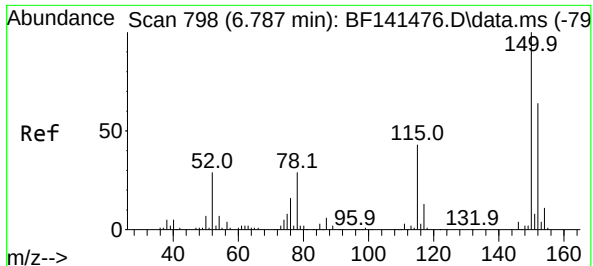
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021225\
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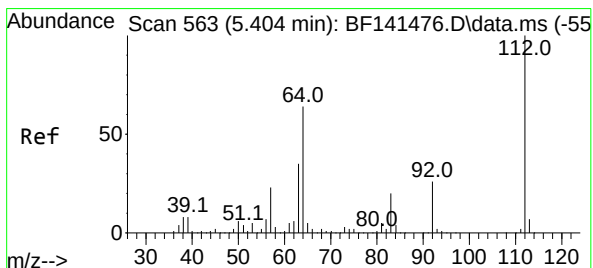
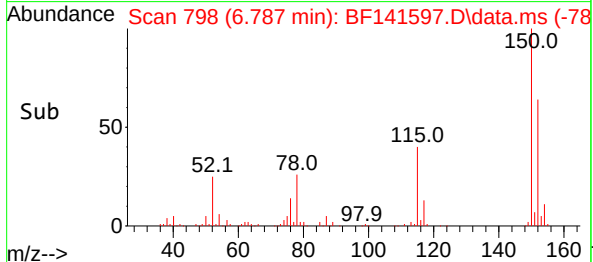
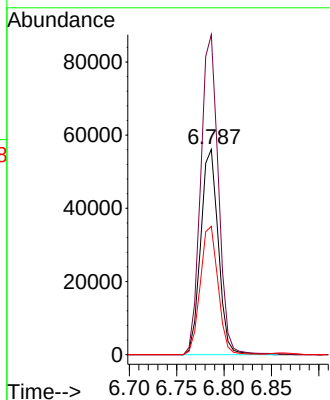
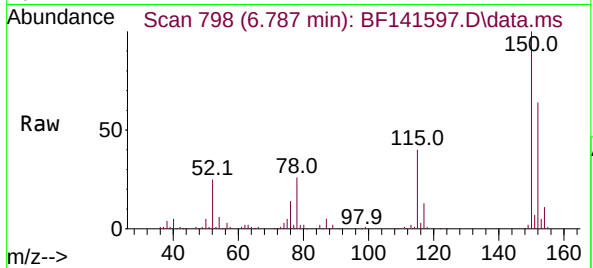




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.787 min Scan# 798
 Delta R.T. -0.005 min
 Lab File: BF141597.D
 Acq: 12 Feb 2025 18:20

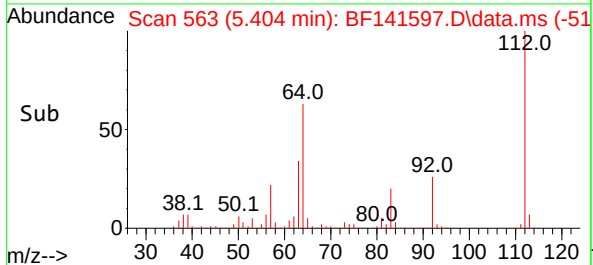
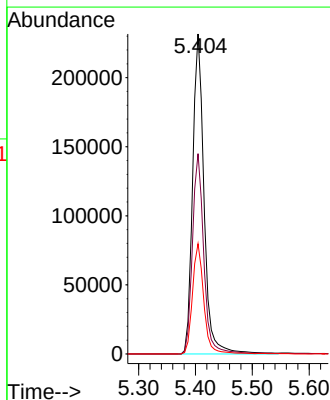
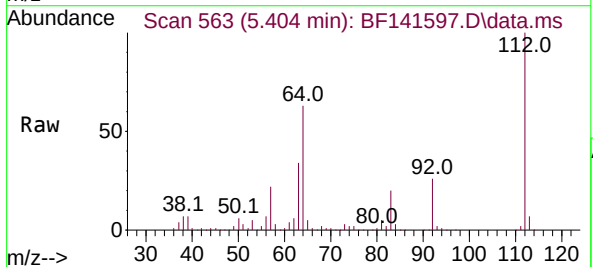
Instrument :
 BNA_F
 ClientSampleId :
 TWP-1-PERMIT

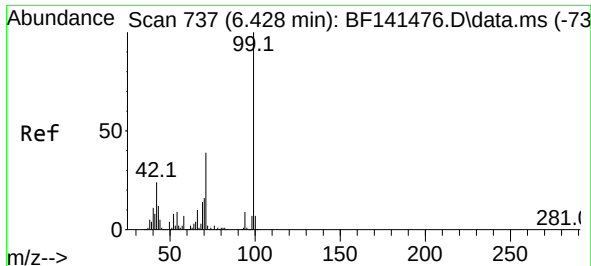
Tgt Ion:152 Resp: 72660
 Ion Ratio Lower Upper
 152 100
 150 155.9 125.0 187.4
 115 62.5 53.6 80.4



#5
 2-Fluorophenol
 Concen: 70.123 ng
 RT: 5.404 min Scan# 563
 Delta R.T. -0.006 min
 Lab File: BF141597.D
 Acq: 12 Feb 2025 18:20

Tgt Ion:112 Resp: 324998
 Ion Ratio Lower Upper
 112 100
 64 62.6 51.1 76.7
 63 34.4 28.4 42.6

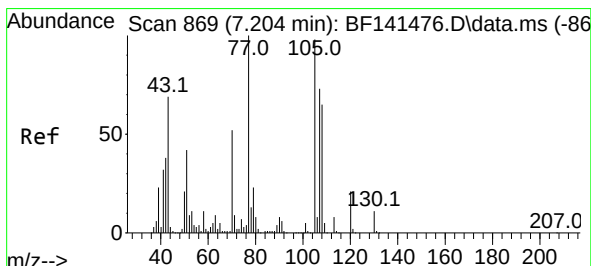
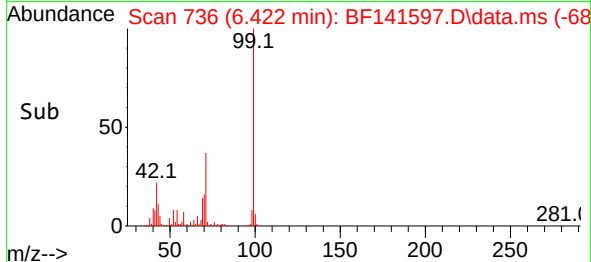
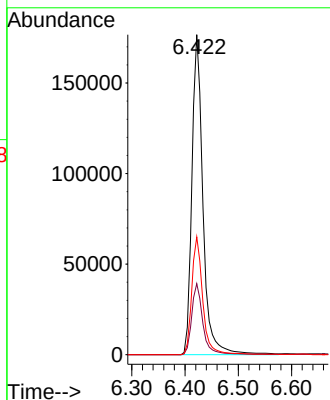
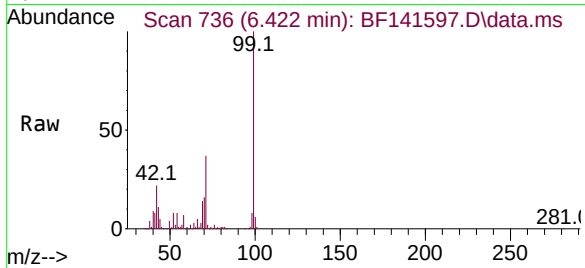




#7
Phenol-d6
Concen: 43.784 ng
RT: 6.422 min Scan# 71
Delta R.T. -0.018 min
Lab File: BF141597.D
Acq: 12 Feb 2025 18:20

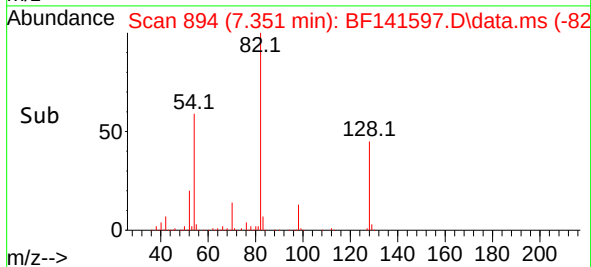
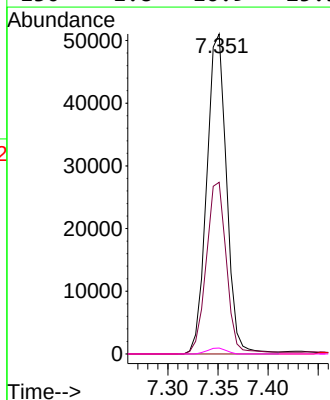
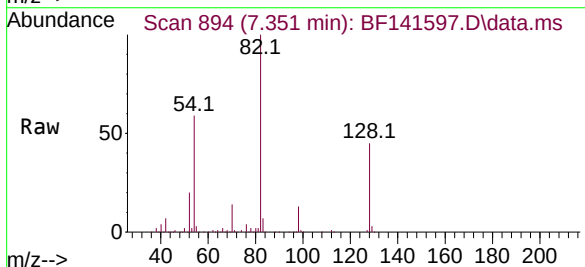
Instrument :
BNA_F
ClientSampleId :
TWP-1-PERMIT

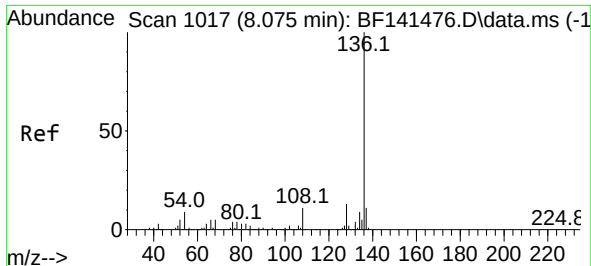
Tgt Ion: 99 Resp: 256483
Ion Ratio Lower Upper
99 100
42 22.2 19.1 28.7
71 36.8 31.1 46.7



#19
n-Nitroso-di-n-propylamine
Concen: 20.077 ng
RT: 7.351 min Scan# 894
Delta R.T. 0.135 min
Lab File: BF141597.D
Acq: 12 Feb 2025 18:20

Tgt Ion: 70 Resp: 70348
Ion Ratio Lower Upper
70 100
42 53.6 57.4 86.2#
101 0.0 8.0 12.0#
130 1.8 16.9 25.3#

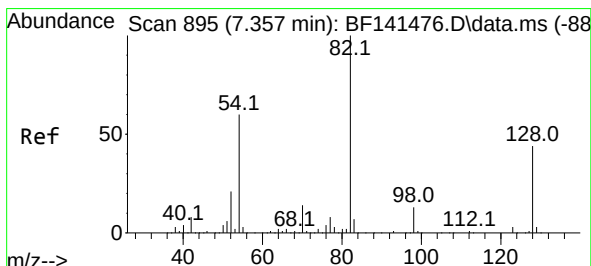
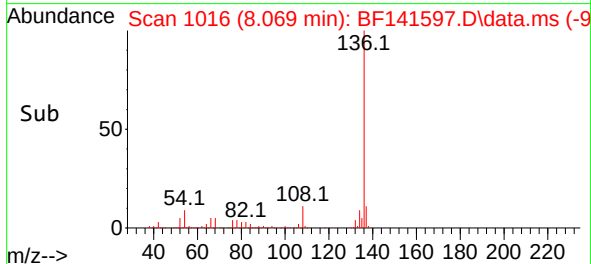
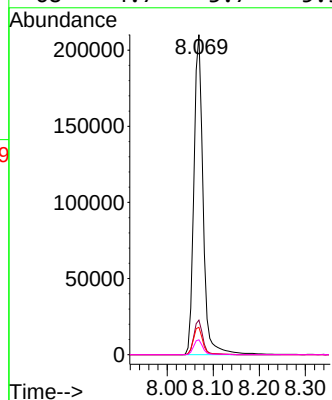
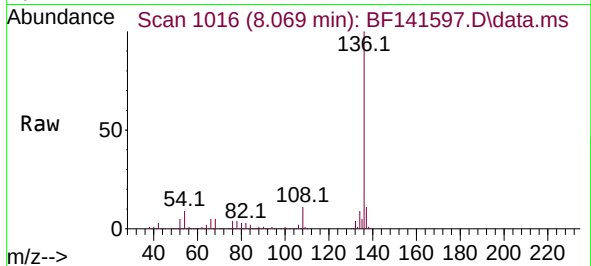




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.069 min Scan# 1016
Delta R.T. -0.006 min
Lab File: BF141597.D
Acq: 12 Feb 2025 18:20

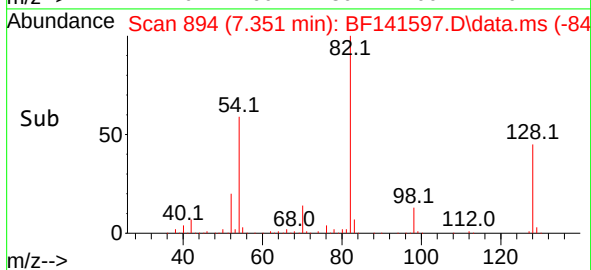
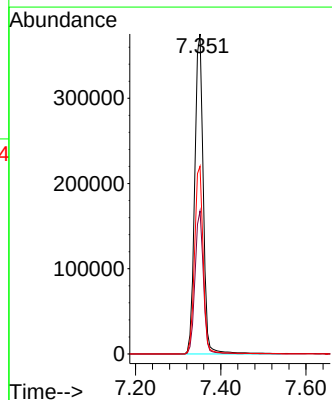
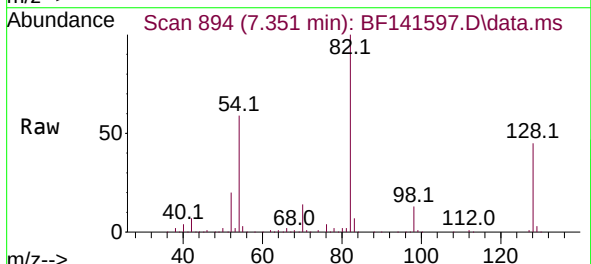
Instrument :
BNA_F
ClientSampleId :
TWP-1-PERMIT

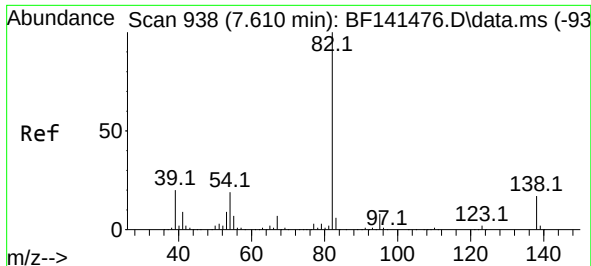
Tgt Ion:136 Resp: 291296
Ion Ratio Lower Upper
136 100
137 10.8 8.6 13.0
54 8.6 7.2 10.8
68 4.7 3.7 5.5



#23
Nitrobenzene-d5
Concen: 93.576 ng
RT: 7.351 min Scan# 894
Delta R.T. -0.012 min
Lab File: BF141597.D
Acq: 12 Feb 2025 18:20

Tgt Ion: 82 Resp: 522606
Ion Ratio Lower Upper
82 100
128 44.7 34.8 52.2
54 58.7 48.2 72.4

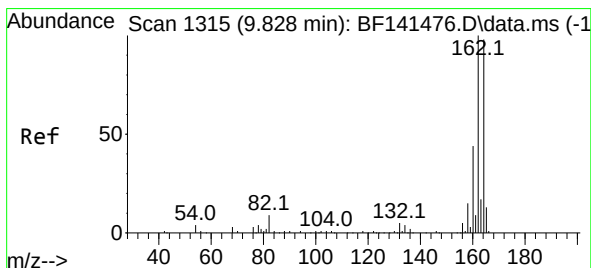
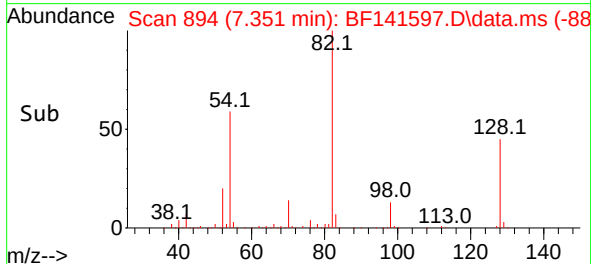
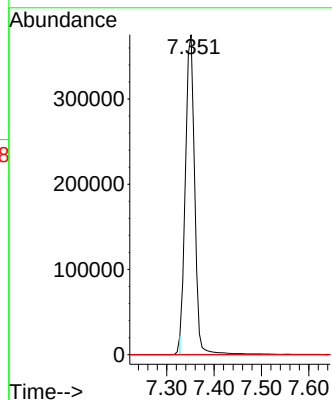
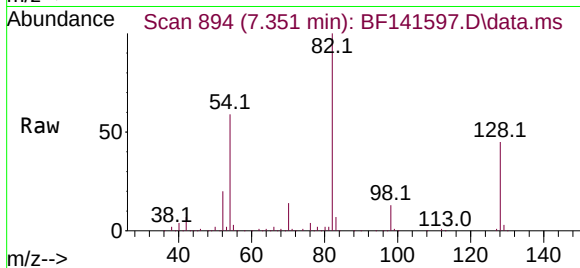




#25
Isophorone
Concen: 57.057 ng
RT: 7.351 min Scan# 894
Delta R.T. -0.270 min
Lab File: BF141597.D
Acq: 12 Feb 2025 18:20

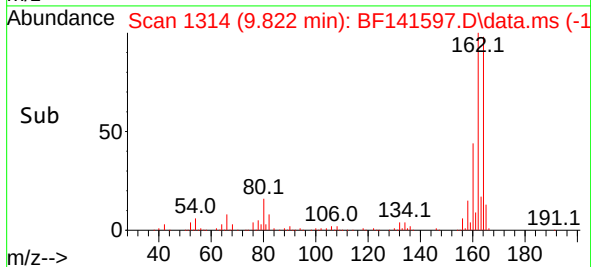
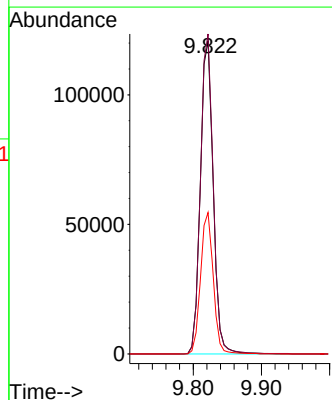
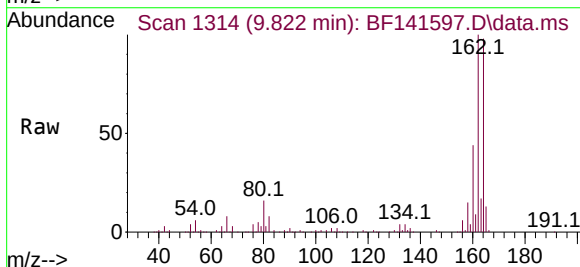
Instrument :
BNA_F
ClientSampleId :
TWP-1-PERMIT

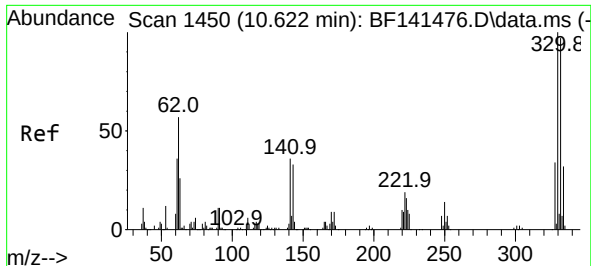
Tgt Ion: 82 Resp: 508082
Ion Ratio Lower Upper
82 100
95 0.0 6.4 9.6#
138 0.0 13.9 20.9#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.822 min Scan# 1314
Delta R.T. -0.012 min
Lab File: BF141597.D
Acq: 12 Feb 2025 18:20

Tgt Ion:164 Resp: 158211
Ion Ratio Lower Upper
164 100
162 102.3 81.3 121.9
160 45.2 35.9 53.9





#42

2,4,6-Tribromophenol

Concen: 133.734 ng

RT: 10.610 min Scan# 1448

Delta R.T. -0.018 min

Lab File: BF141597.D

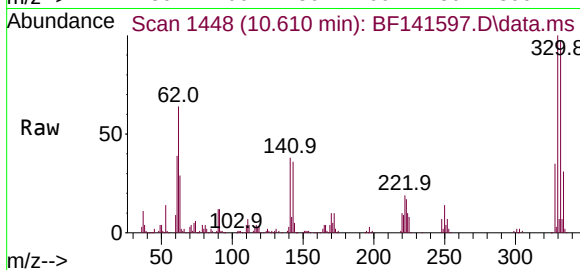
Acq: 12 Feb 2025 18:20

Instrument :

BNA_F

ClientSampleId :

TWP-1-PERMIT



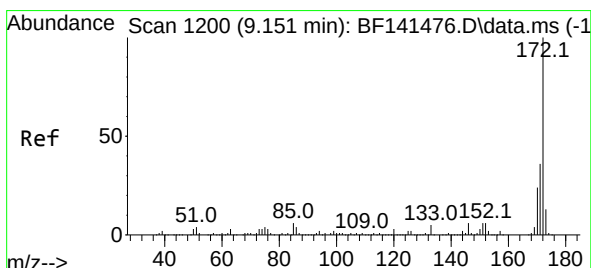
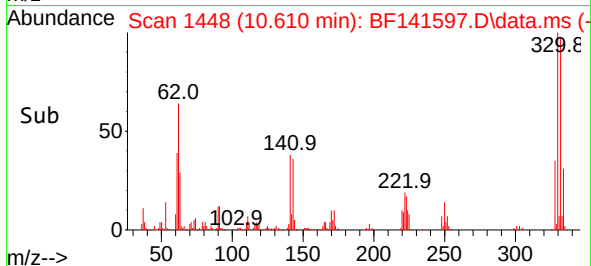
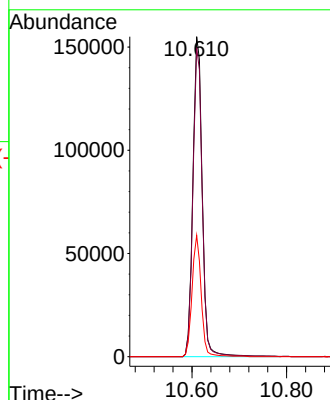
Tgt Ion:330 Resp: 212543

Ion Ratio Lower Upper

330 100

332 96.2 78.5 117.7

141 37.1 31.0 46.4



#45

2-Fluorobiphenyl

Concen: 93.595 ng

RT: 9.145 min Scan# 1199

Delta R.T. -0.006 min

Lab File: BF141597.D

Acq: 12 Feb 2025 18:20

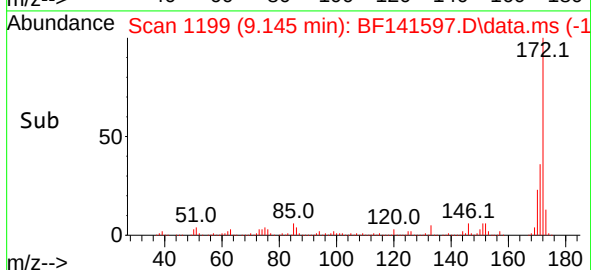
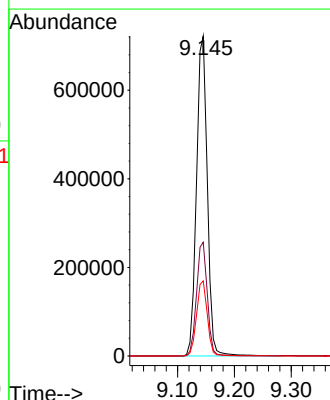
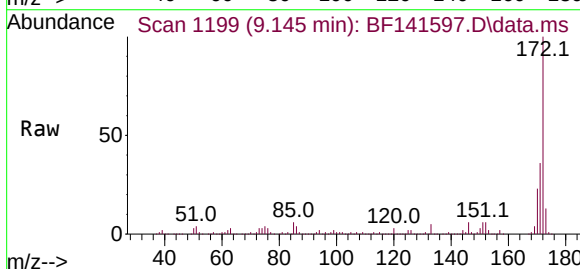
Tgt Ion:172 Resp: 961139

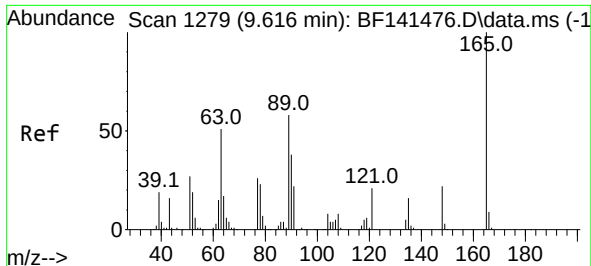
Ion Ratio Lower Upper

172 100

171 35.6 28.7 43.1

170 23.5 18.9 28.3

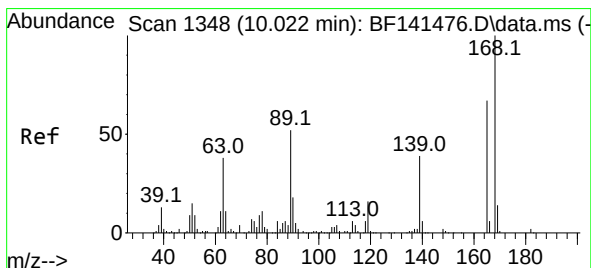
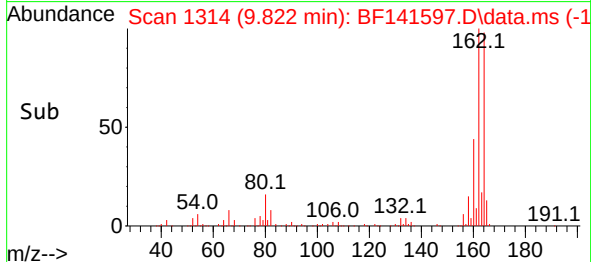
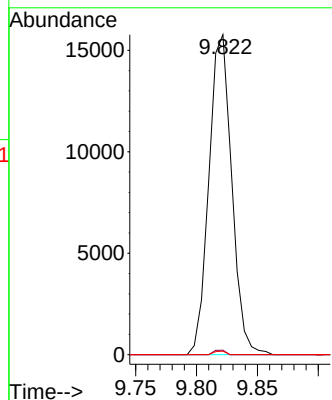
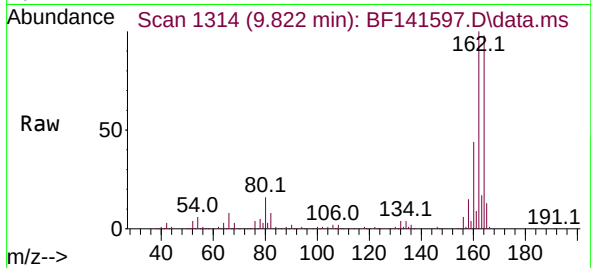




#51
2,6-Dinitrotoluene
Concen: 8.786 ng
RT: 9.822 min Scan# 1314
Delta R.T. 0.200 min
Lab File: BF141597.D
Acq: 12 Feb 2025 18:20

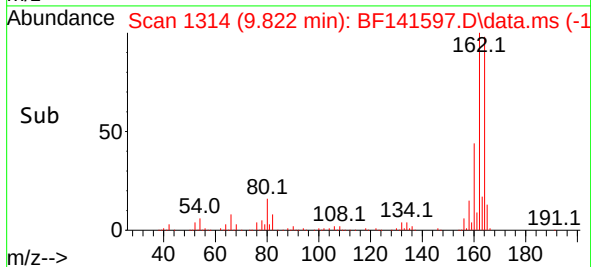
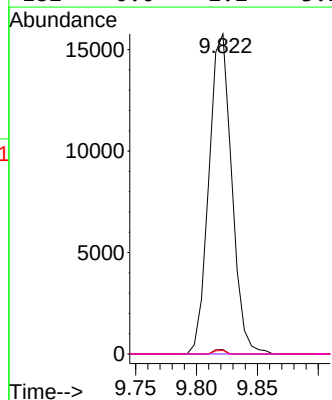
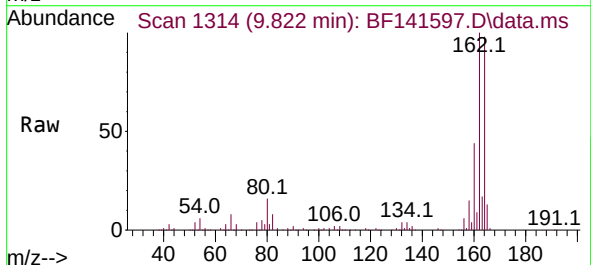
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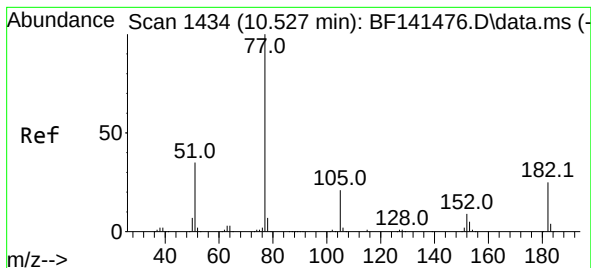
Tgt Ion:165 Resp: 20628
Ion Ratio Lower Upper
165 100
63 1.4 49.4 74.0#
89 1.1 46.5 69.7#



#57
2,4-Dinitrotoluene
Concen: 6.599 ng
RT: 9.822 min Scan# 1314
Delta R.T. -0.206 min
Lab File: BF141597.D
Acq: 12 Feb 2025 18:20

Tgt Ion:165 Resp: 20628
Ion Ratio Lower Upper
165 100
63 1.4 46.4 69.6#
89 1.1 61.8 92.6#
182 0.0 2.2 3.2#





#63

Azobenzene

Concen: 3.761 ng

RT: 10.533 min Scan# 1434

Delta R.T. 0.000 min

Lab File: BF141597.D

Acq: 12 Feb 2025 18:20

Instrument :

BNA_F

ClientSampleId :

TWP-1-PERMIT

Tgt Ion: 77 Resp: 39511

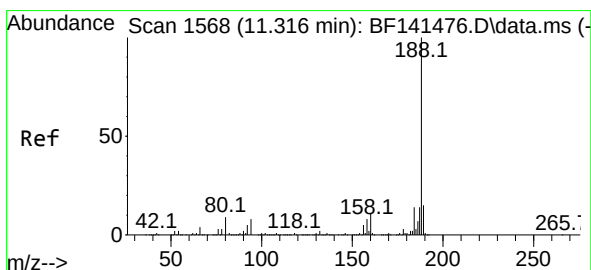
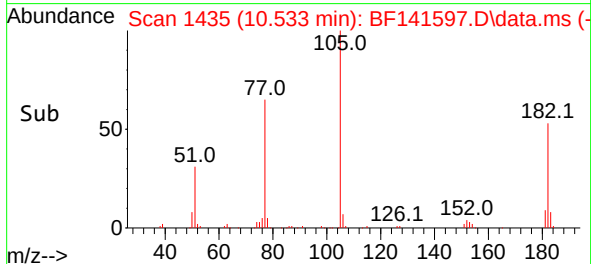
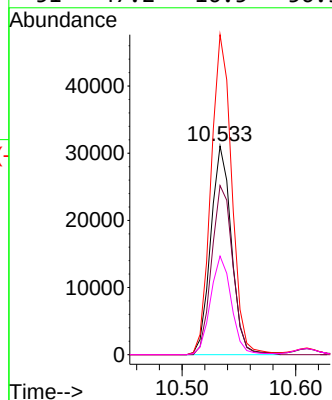
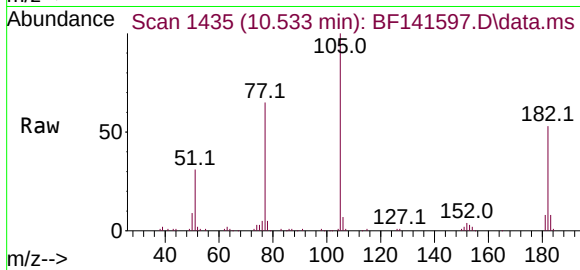
Ion Ratio Lower Upper

77 100

182 81.1 4.7 44.7#

105 153.3 0.4 40.4#

51 47.2 16.5 56.5



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.304 min Scan# 1566

Delta R.T. -0.012 min

Lab File: BF141597.D

Acq: 12 Feb 2025 18:20

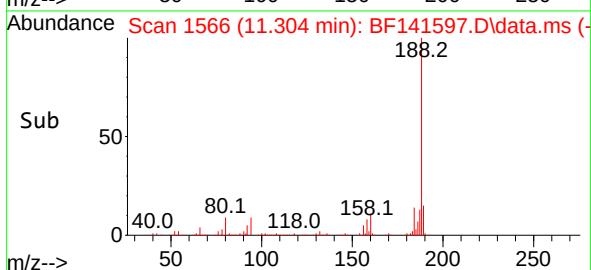
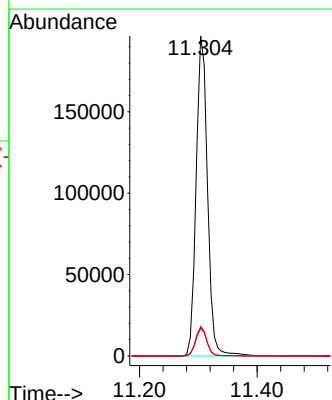
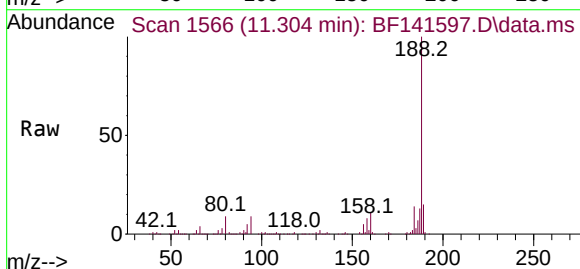
Tgt Ion: 188 Resp: 263611

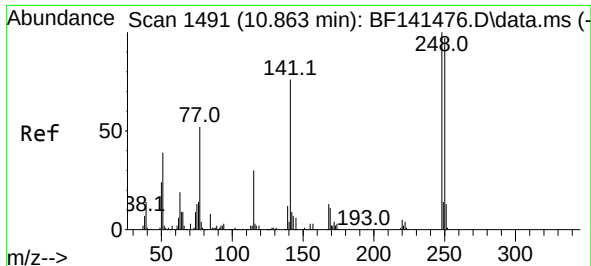
Ion Ratio Lower Upper

188 100

94 8.7 6.6 10.0

80 9.2 7.3 10.9

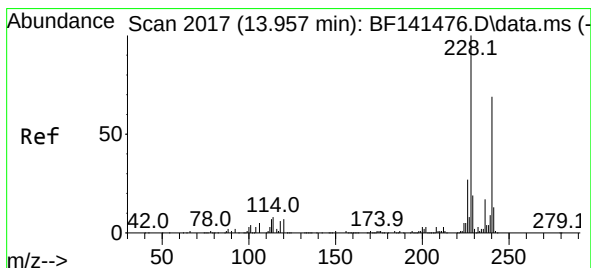
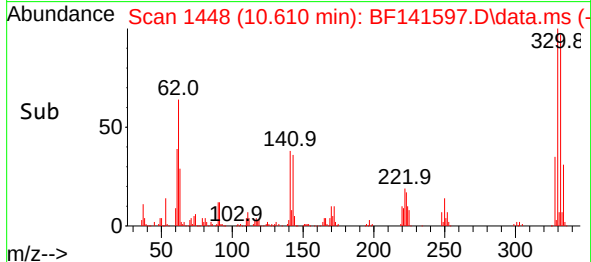
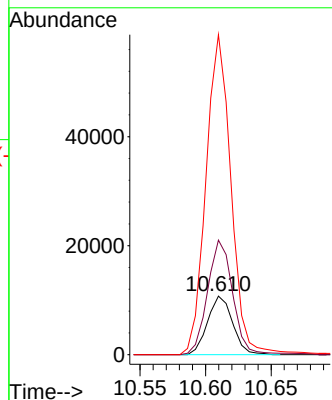
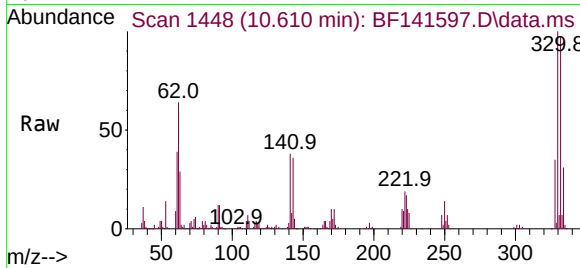




#67
4-Bromophenyl-phenylether
Concen: 4.842 ng
RT: 10.610 min Scan# 1491
Delta R.T. -0.253 min
Lab File: BF141597.D
Acq: 12 Feb 2025 18:20

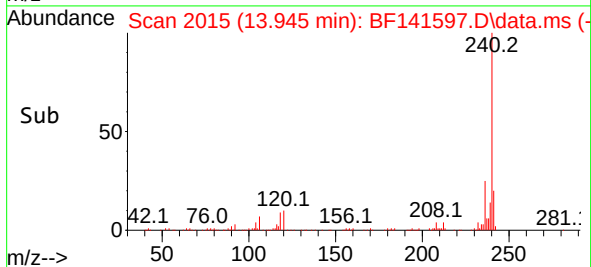
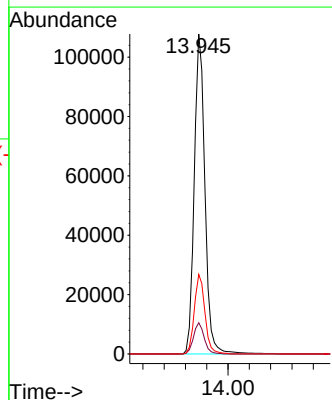
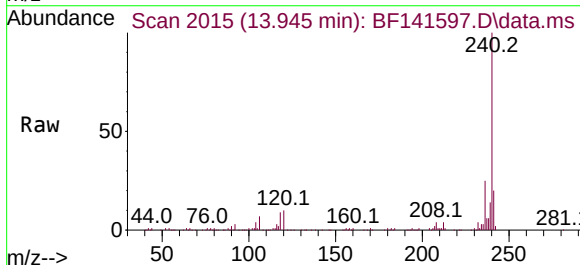
Instrument :
BNA_F
ClientSampleId :
TWP-1-PERMIT

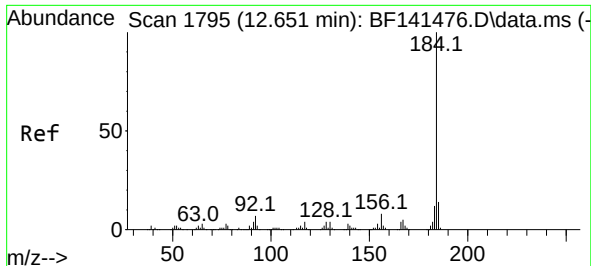
Tgt Ion:248 Resp: 14266
Ion Ratio Lower Upper
248 100
250 195.3 77.8 116.6#
141 545.9 60.6 90.8#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.945 min Scan# 2015
Delta R.T. -0.018 min
Lab File: BF141597.D
Acq: 12 Feb 2025 18:20

Tgt Ion:240 Resp: 150385
Ion Ratio Lower Upper
240 100
120 9.7 8.0 12.0
236 24.8 19.8 29.8

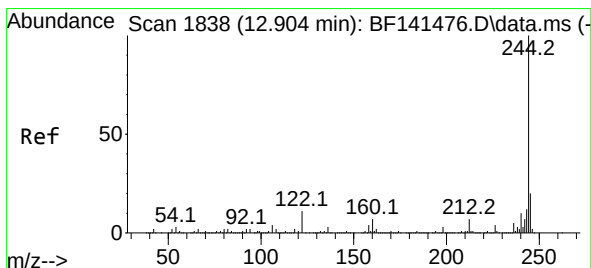
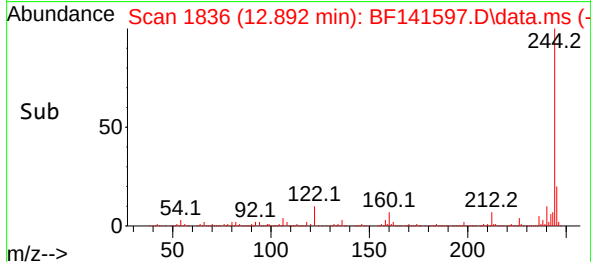
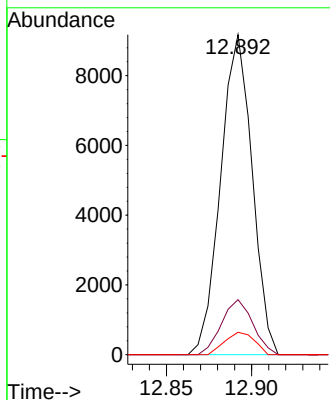
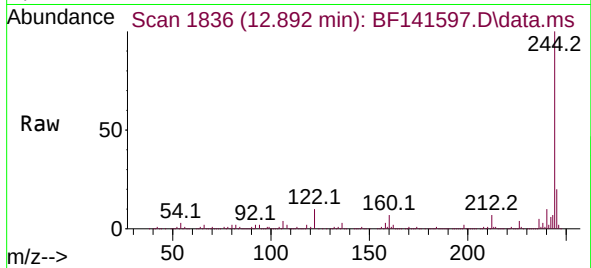




#77
Benzidine
Concen: 3.554 ng
RT: 12.892 min Scan# 1836
Delta R.T. 0.235 min
Lab File: BF141597.D
Acq: 12 Feb 2025 18:20

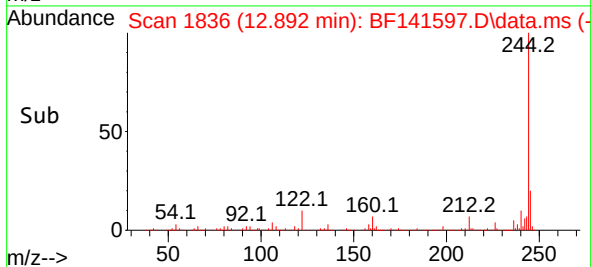
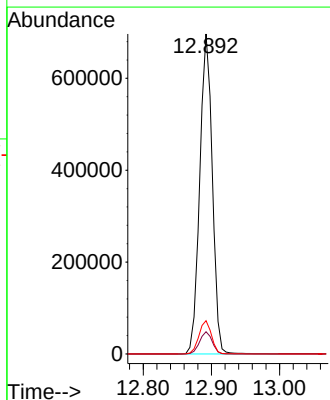
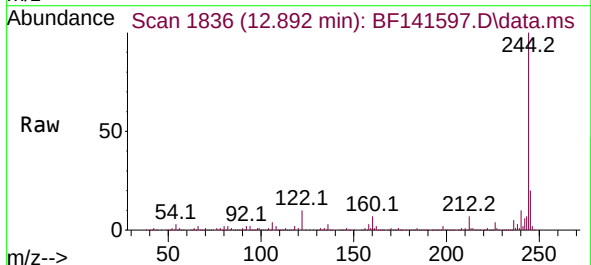
Instrument :
BNA_F
ClientSampleId :
TWP-1-PERMIT

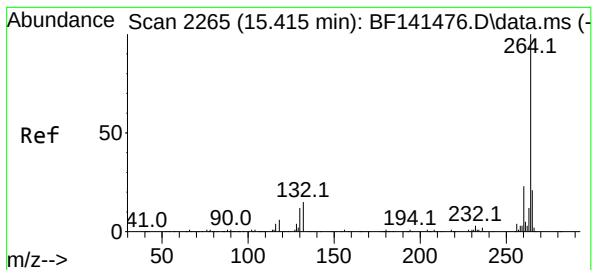
Tgt Ion:184 Resp: 11789
Ion Ratio Lower Upper
184 100
185 17.2 11.3 16.9#
183 7.0 9.3 13.9#



#79
Terphenyl-d14
Concen: 100.216 ng
RT: 12.892 min Scan# 1836
Delta R.T. -0.012 min
Lab File: BF141597.D
Acq: 12 Feb 2025 18:20

Tgt Ion:244 Resp: 892739
Ion Ratio Lower Upper
244 100
212 7.0 5.6 8.4
122 10.4 8.4 12.6





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.398 min Scan# 21
 Delta R.T. -0.018 min
 Lab File: BF141597.D
 Acq: 12 Feb 2025 18:20

Instrument :
 BNA_F
 ClientSampleId :
 TWP-1-PERMIT

Tgt Ion:264 Resp: 139373

Ion	Ratio	Lower	Upper
264	100		
260	23.5	18.6	28.0
265	20.8	17.0	25.4

