

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100224\
 Data File : BF139604.D
 Acq On : 02 Oct 2024 14:04
 Operator : RC/JU
 Sample : P4212-01
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TEST-PIT-NORTH

Quant Time: Oct 02 14:32:23 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100124.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 02 04:58:47 2024
 Response via : Initial Calibration

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

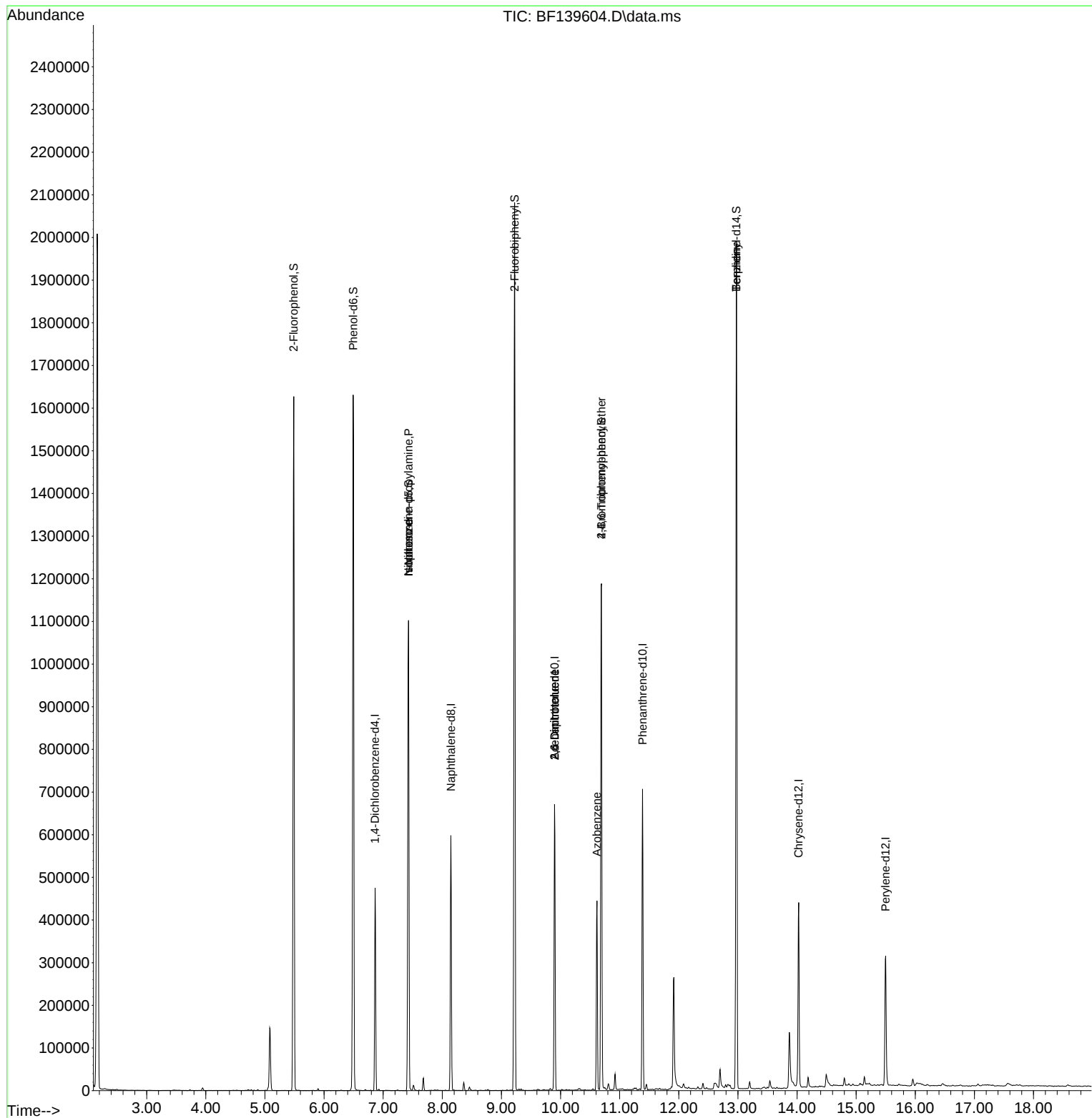
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.863	152	92777	20.000	ng	0.00
21) Naphthalene-d8	8.145	136	349381	20.000	ng	0.00
39) Acenaphthene-d10	9.898	164	195780	20.000	ng	-0.01
64) Phenanthrene-d10	11.386	188	362113	20.000	ng	0.00
76) Chrysene-d12	14.027	240	198150	20.000	ng	0.00
86) Perylene-d12	15.498	264	178549	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	550544	102.852	ng	0.00
7) Phenol-d6	6.493	99	739194	102.689	ng	-0.01
23) Nitrobenzene-d5	7.428	82	480801	69.675	ng	0.00
42) 2,4,6-Tribromophenol	10.692	330	183670	97.183	ng	0.00
45) 2-Fluorobiphenyl	9.222	172	887182	69.567	ng	0.00
79) Terphenyl-d14	12.974	244	944904	78.245	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.428	70	65741	14.205	ng	# 76
25) Isophorone	7.428	82	478443	39.036	ng	# 66
51) 2,6-Dinitrotoluene	9.898	165	24907	8.603	ng	# 18
57) 2,4-Dinitrotoluene	9.898	165	24907	6.582	ng	# 17
63) Azobenzene	10.616	77	114573	8.607	ng	# 1
67) 4-Bromophenyl-phenylether	10.692	248	12866	3.465	ng	# 1
77) Benzidine	12.974	184	13134	3.758	ng	# 91

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

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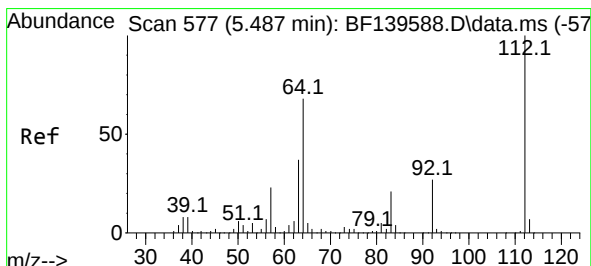
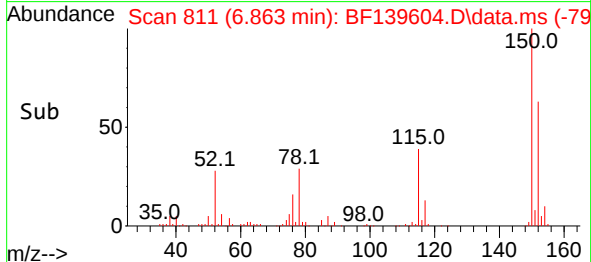
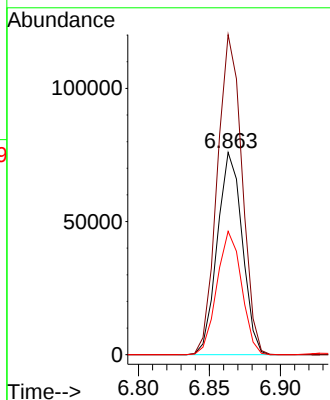
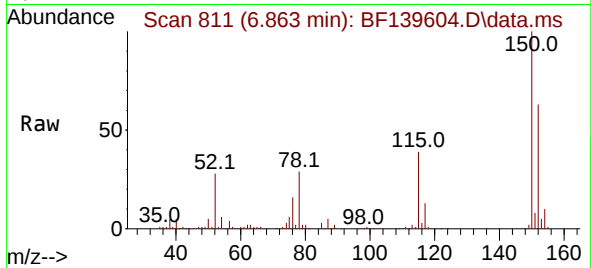




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.863 min Scan# 812
Delta R.T. -0.006 min
Lab File: BF139604.D
Acq: 02 Oct 2024 14:04

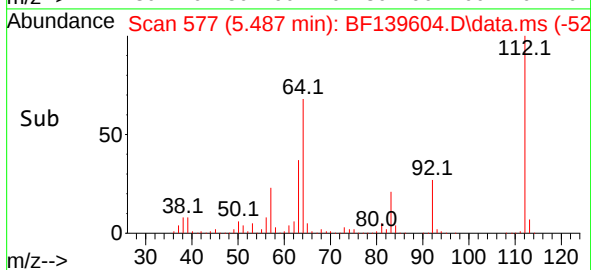
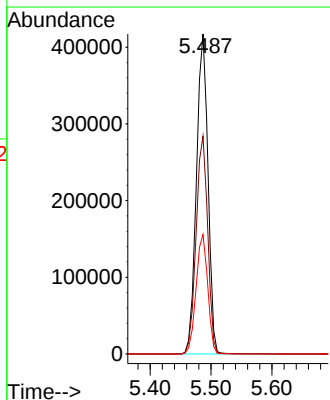
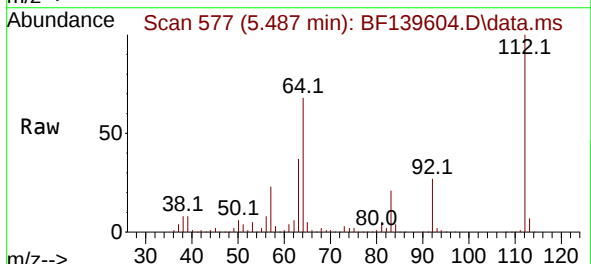
Instrument :
BNA_F
ClientSampleId :
TEST-PIT-NORTH

Tgt Ion:152 Resp: 92777
Ion Ratio Lower Upper
152 100
150 158.3 127.2 190.8
115 61.0 49.0 73.4



#5
2-Fluorophenol
Concen: 102.852 ng
RT: 5.487 min Scan# 577
Delta R.T. -0.000 min
Lab File: BF139604.D
Acq: 02 Oct 2024 14:04

Tgt Ion:112 Resp: 550544
Ion Ratio Lower Upper
112 100
64 68.1 54.2 81.4
63 37.4 29.4 44.2

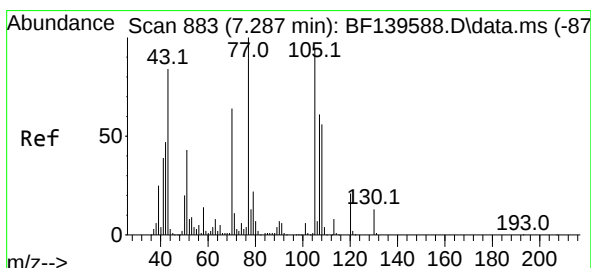
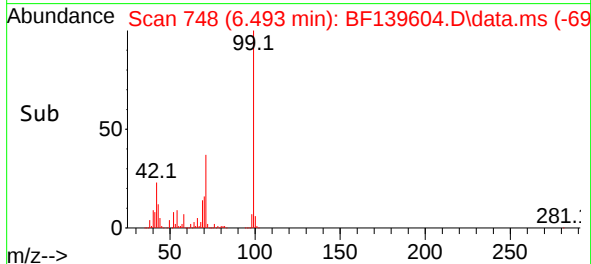
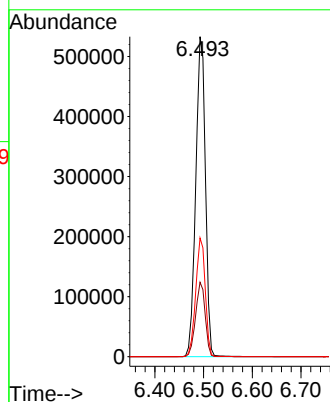
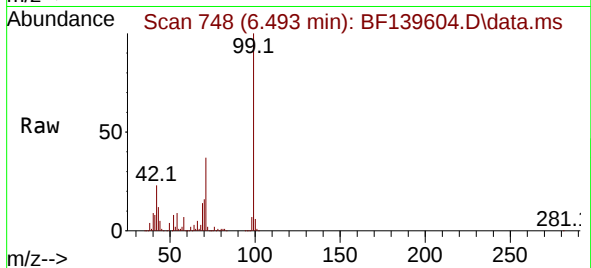




#7
Phenol-d6
Concen: 102.689 ng
RT: 6.493 min Scan# 74
Delta R.T. -0.012 min
Lab File: BF139604.D
Acq: 02 Oct 2024 14:04

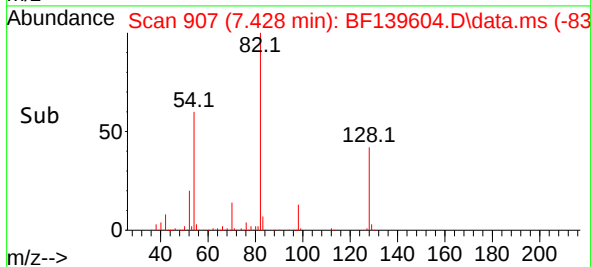
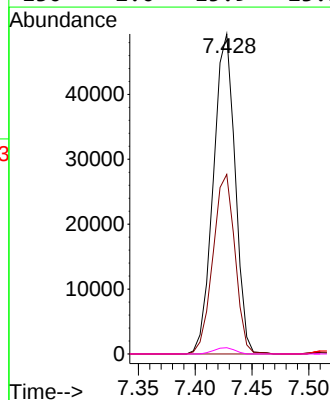
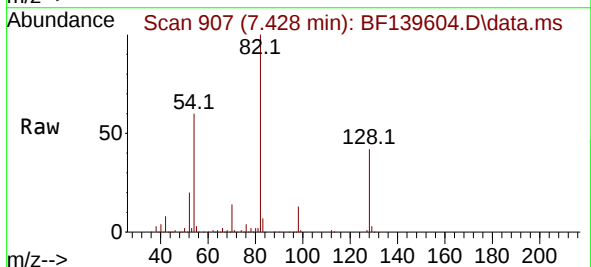
Instrument :
BNA_F
ClientSampleId :
TEST-PIT-NORTH

Tgt Ion: 99 Resp: 739194
Ion Ratio Lower Upper
99 100
42 23.2 19.1 28.7
71 37.1 29.7 44.5



#19
n-Nitroso-di-n-propylamine
Concen: 14.205 ng
RT: 7.428 min Scan# 907
Delta R.T. 0.141 min
Lab File: BF139604.D
Acq: 02 Oct 2024 14:04

Tgt Ion: 70 Resp: 65741
Ion Ratio Lower Upper
70 100
42 56.1 58.0 87.0#
101 0.0 7.8 11.8#
130 2.0 15.9 23.9#

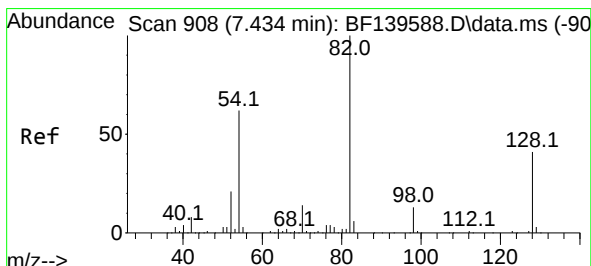
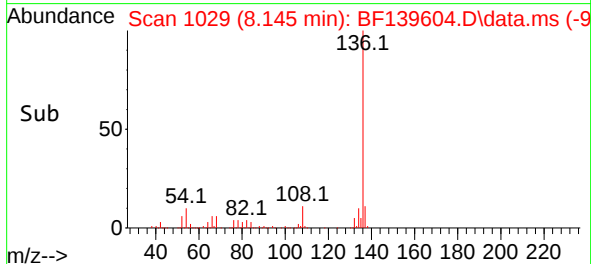
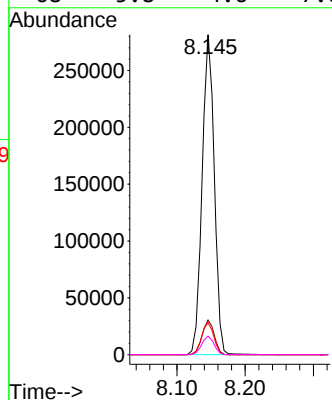
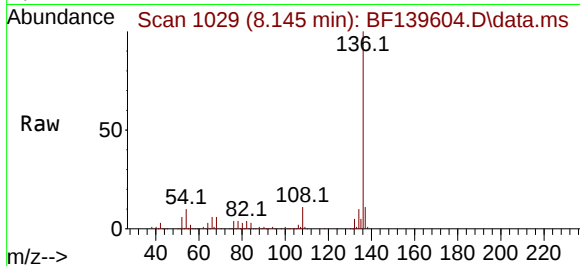




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.145 min Scan# 1030
Delta R.T. -0.006 min
Lab File: BF139604.D
Acq: 02 Oct 2024 14:04

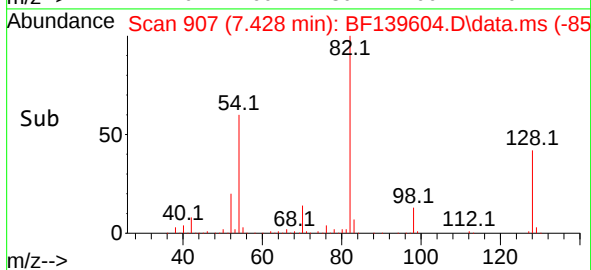
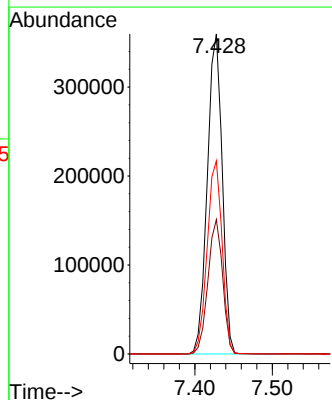
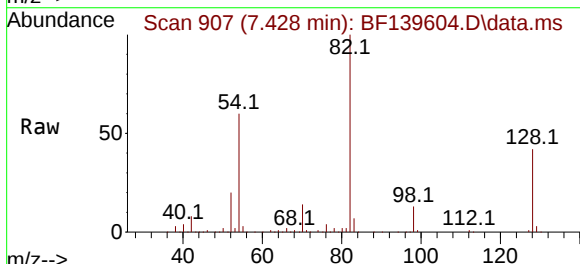
Instrument :
BNA_F
ClientSampleId :
TEST-PIT-NORTH

Tgt Ion:	136	Resp:	349381
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.6	13.0
54	10.1	8.3	12.5
68	5.8	4.6	7.0



#23
Nitrobenzene-d5
Concen: 69.675 ng
RT: 7.428 min Scan# 907
Delta R.T. -0.006 min
Lab File: BF139604.D
Acq: 02 Oct 2024 14:04

Tgt Ion:	82	Resp:	480801
Ion	Ratio	Lower	Upper
82	100		
128	42.0	32.4	48.6
54	60.4	49.1	73.7

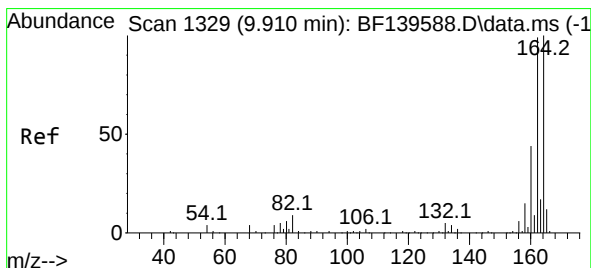
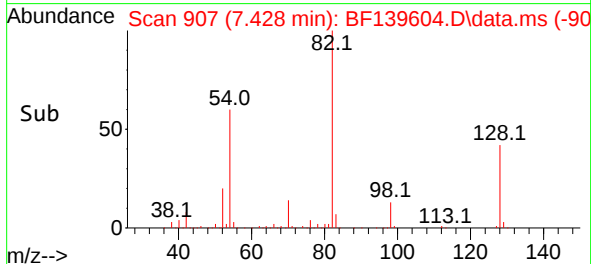
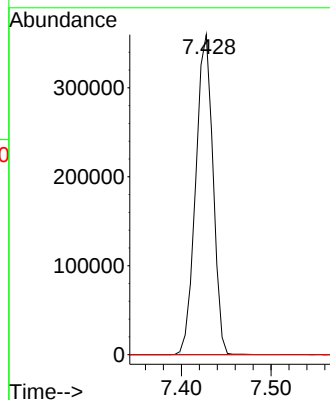
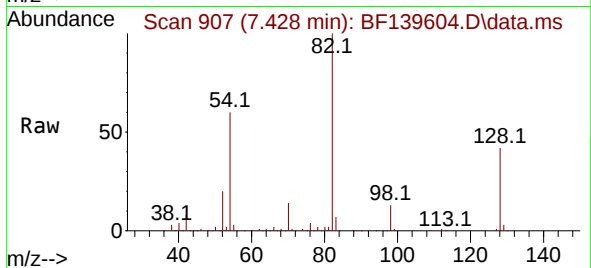




#25
Isophorone
Concen: 39.036 ng
RT: 7.428 min Scan# 90
Delta R.T. -0.265 min
Lab File: BF139604.D
Acq: 02 Oct 2024 14:04

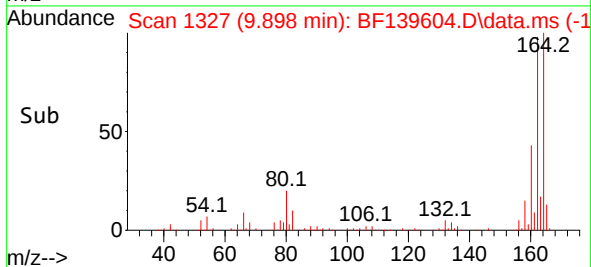
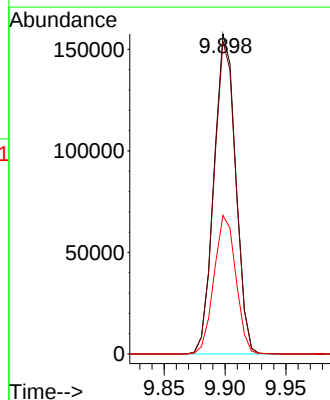
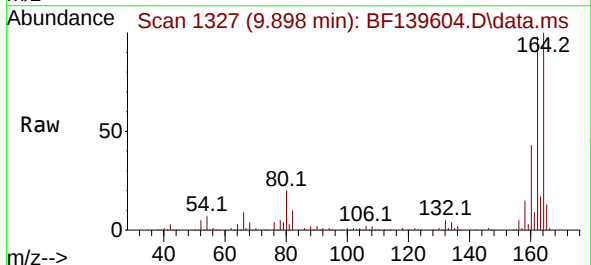
Instrument :
BNA_F
ClientSampleId :
TEST-PIT-NORTH

Tgt Ion: 82 Resp: 478443
Ion Ratio Lower Upper
82 100
95 0.0 6.1 9.1#
138 0.0 13.4 20.2#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.898 min Scan# 1327
Delta R.T. -0.012 min
Lab File: BF139604.D
Acq: 02 Oct 2024 14:04

Tgt Ion: 164 Resp: 195780
Ion Ratio Lower Upper
164 100
162 97.7 79.4 119.0
160 43.3 35.1 52.7





#42

2,4,6-Tribromophenol

Concen: 97.183 ng

RT: 10.692 min Scan# 1462

Delta R.T. -0.006 min

Lab File: BF139604.D

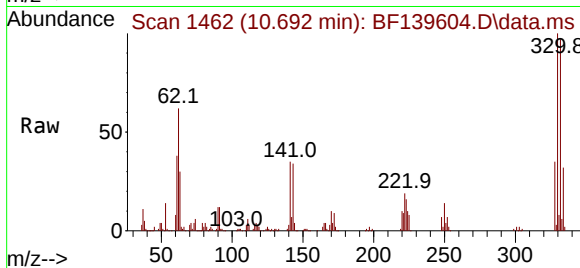
Acq: 02 Oct 2024 14:04

Instrument :

BNA_F

ClientSampleId :

TEST-PIT-NORTH



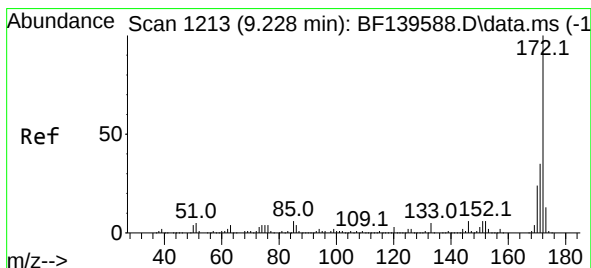
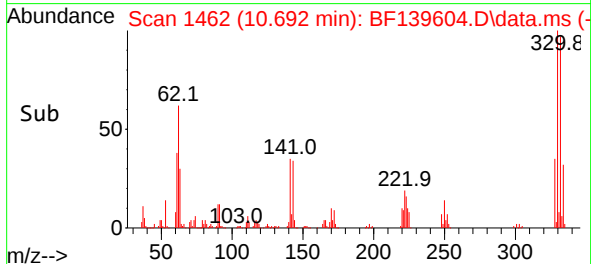
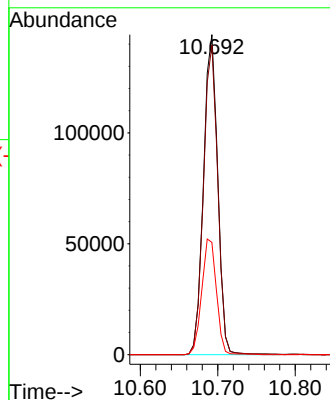
Tgt Ion:330 Resp: 183670

Ion Ratio Lower Upper

330 100

332 97.1 76.5 114.7

141 37.4 29.3 43.9



#45

2-Fluorobiphenyl

Concen: 69.567 ng

RT: 9.222 min Scan# 1212

Delta R.T. -0.006 min

Lab File: BF139604.D

Acq: 02 Oct 2024 14:04

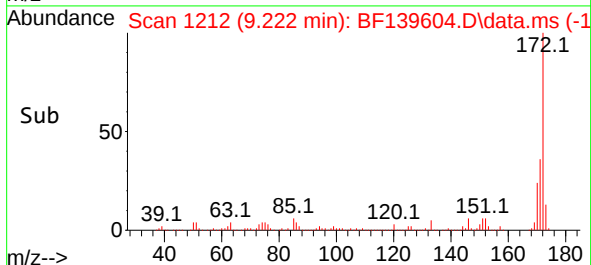
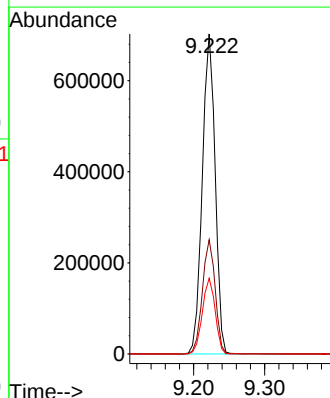
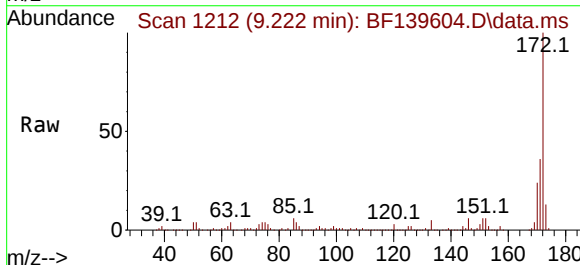
Tgt Ion:172 Resp: 887182

Ion Ratio Lower Upper

172 100

171 35.7 28.2 42.4

170 23.6 18.8 28.2





#51

2,6-Dinitrotoluene

Concen: 8.603 ng

RT: 9.898 min Scan# 1

Delta R.T. 0.206 min

Lab File: BF139604.D

Acq: 02 Oct 2024 14:04

Instrument :

BNA_F

ClientSampleId :

TEST-PIT-NORTH

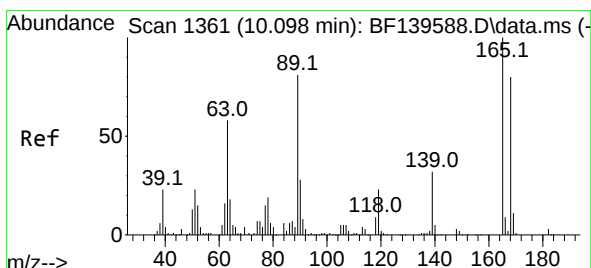
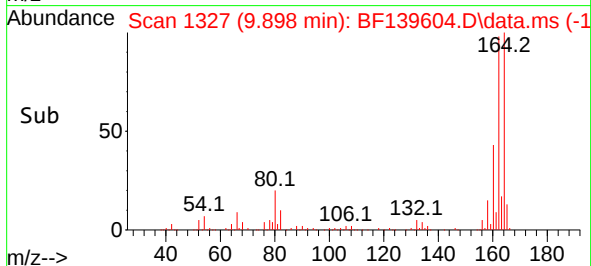
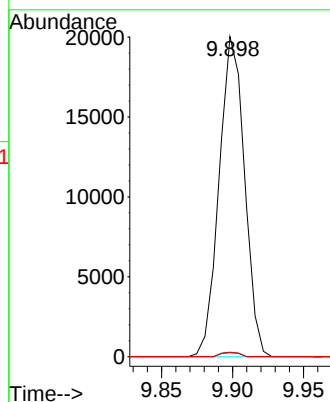
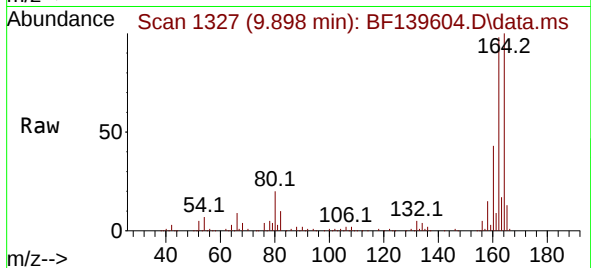
Tgt Ion:165 Resp: 24907

Ion Ratio Lower Upper

165 100

63 1.4 56.7 85.1#

89 1.2 51.6 77.4#



#57

2,4-Dinitrotoluene

Concen: 6.582 ng

RT: 9.898 min Scan# 1327

Delta R.T. -0.200 min

Lab File: BF139604.D

Acq: 02 Oct 2024 14:04

Tgt Ion:165 Resp: 24907

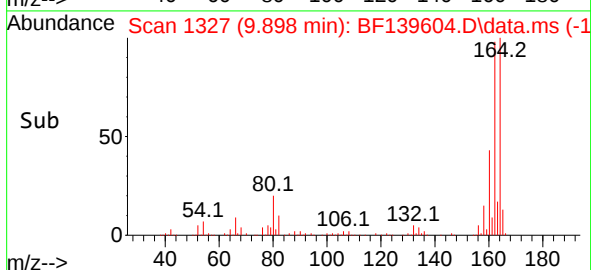
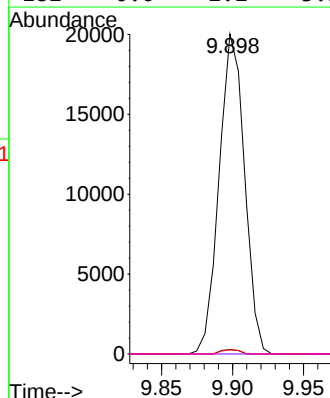
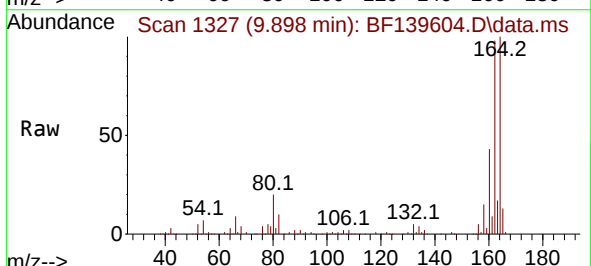
Ion Ratio Lower Upper

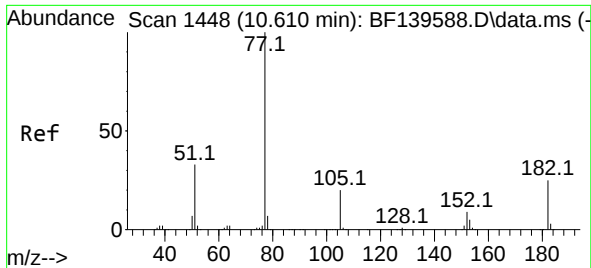
165 100

63 1.4 46.9 70.3#

89 1.2 64.4 96.6#

182 0.0 2.2 3.2#

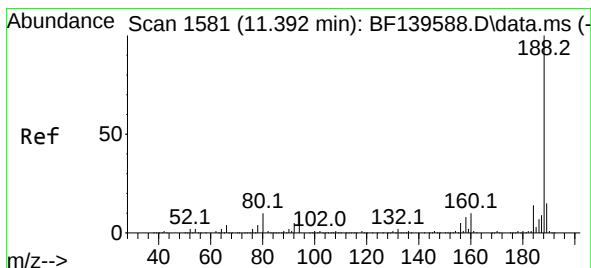
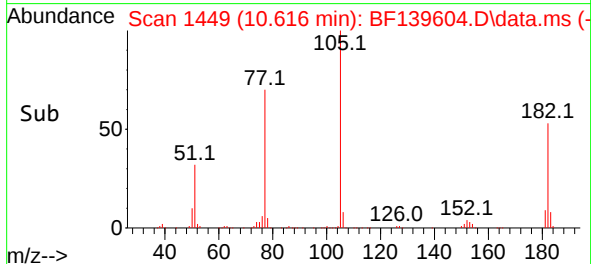
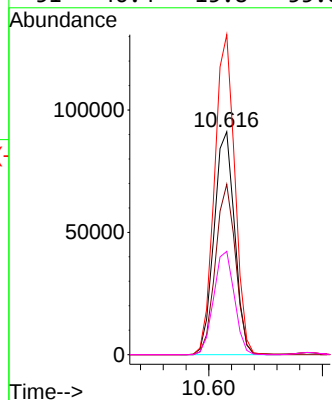
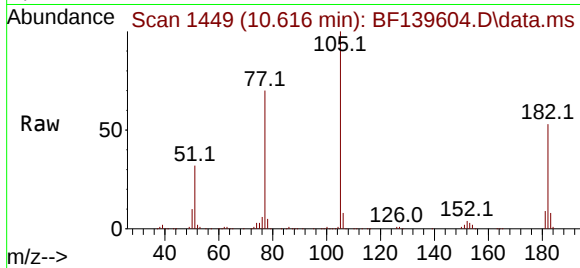




#63
Azobenzene
Concen: 8.607 ng
RT: 10.616 min Scan# 1449
Delta R.T. 0.006 min
Lab File: BF139604.D
Acq: 02 Oct 2024 14:04

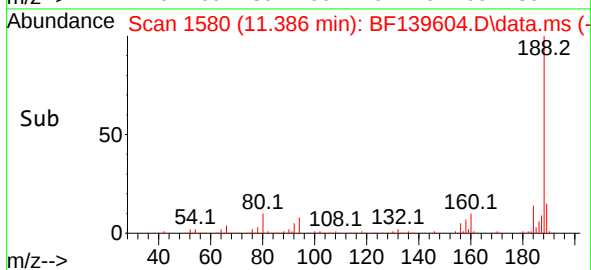
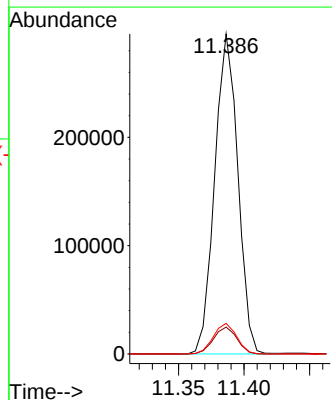
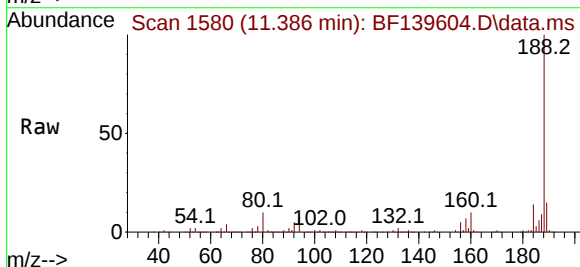
Instrument :
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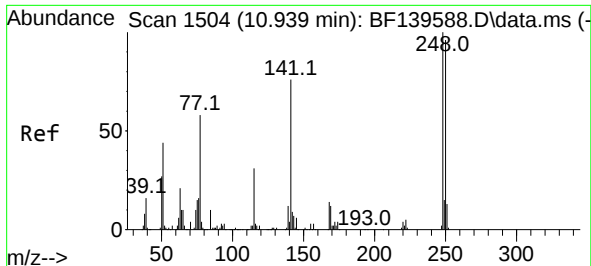
Tgt Ion: 77 Resp: 114573
Ion Ratio Lower Upper
77 100
182 76.5 4.2 44.2#
105 143.5 0.0 39.6#
51 46.4 15.8 55.8



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.386 min Scan# 1580
Delta R.T. -0.006 min
Lab File: BF139604.D
Acq: 02 Oct 2024 14:04

Tgt Ion: 188 Resp: 362113
Ion Ratio Lower Upper
188 100
94 8.4 7.4 11.2
80 9.6 8.2 12.2

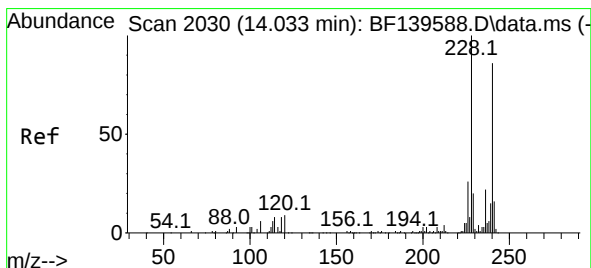
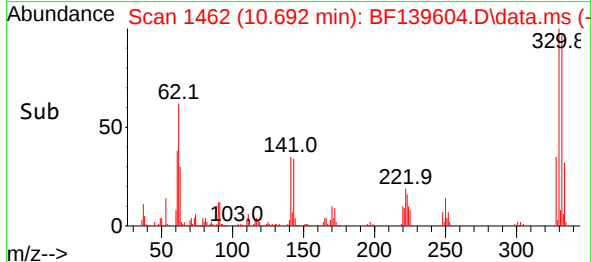
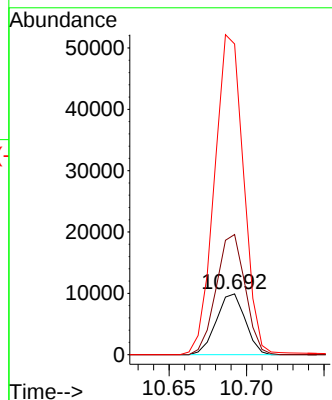
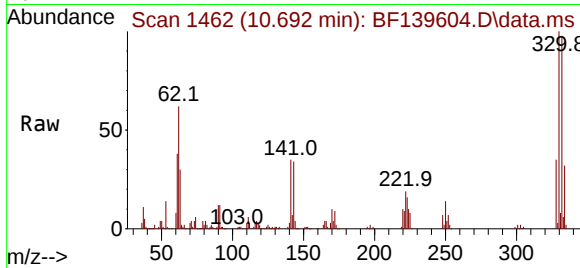




#67
4-Bromophenyl-phenylether
Concen: 3.465 ng
RT: 10.692 min Scan# 14
Delta R.T. -0.247 min
Lab File: BF139604.D
Acq: 02 Oct 2024 14:04

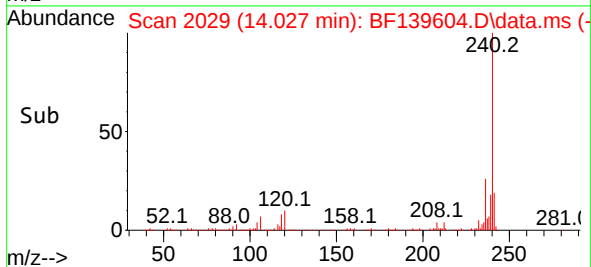
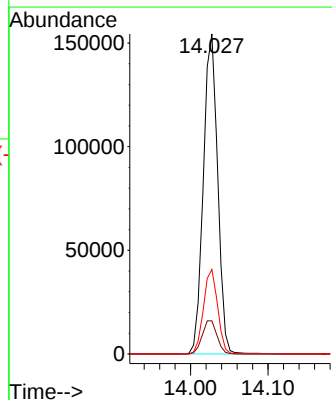
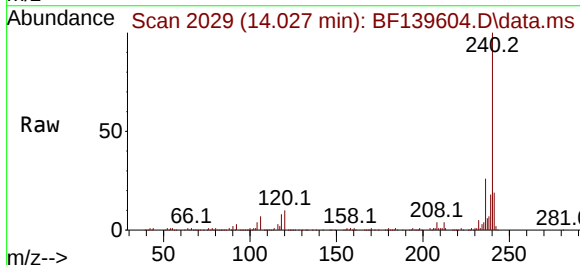
Instrument :
BNA_F
ClientSampleId :
TEST-PIT-NORTH

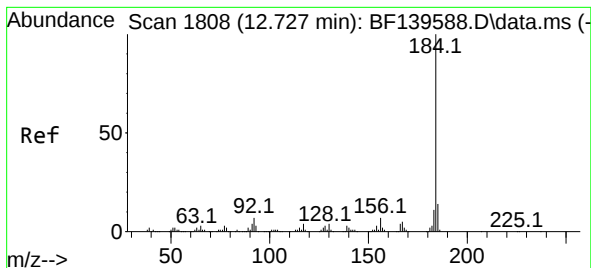
Tgt Ion:248 Resp: 12866
Ion Ratio Lower Upper
248 100
250 197.6 77.1 115.7#
141 511.1 60.4 90.6#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.027 min Scan# 2029
Delta R.T. -0.006 min
Lab File: BF139604.D
Acq: 02 Oct 2024 14:04

Tgt Ion:240 Resp: 198150
Ion Ratio Lower Upper
240 100
120 10.4 8.4 12.6
236 26.4 20.3 30.5





#77

Benzidine

Concen: 3.758 ng

RT: 12.974 min Scan# 1850

Delta R.T. 0.247 min

Lab File: BF139604.D

Acq: 02 Oct 2024 14:04

Instrument :

BNA_F

ClientSampleId :

TEST-PIT-NORTH

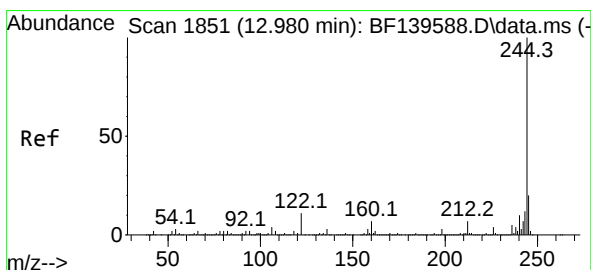
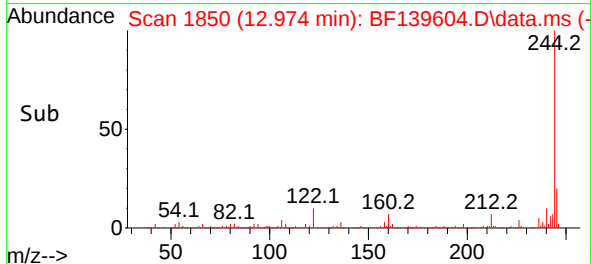
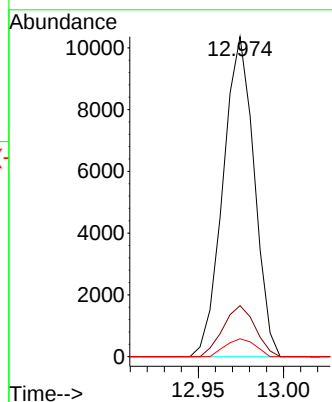
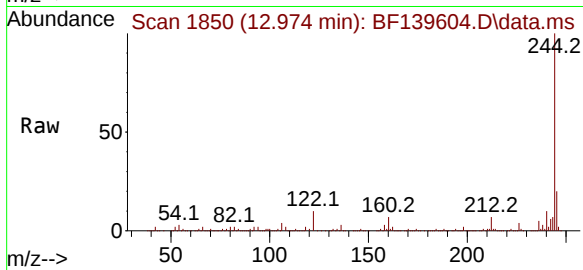
Tgt Ion:184 Resp: 13134

Ion Ratio Lower Upper

184 100

185 15.9 11.4 17.0

183 5.6 8.8 13.2#



#79

Terphenyl-d14

Concen: 78.245 ng

RT: 12.974 min Scan# 1850

Delta R.T. -0.006 min

Lab File: BF139604.D

Acq: 02 Oct 2024 14:04

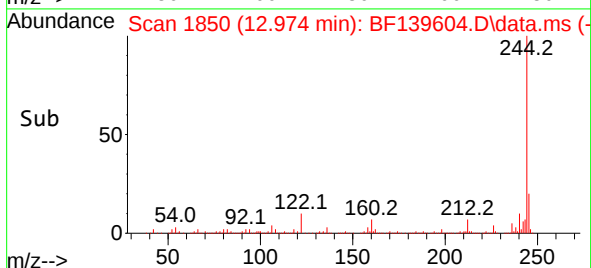
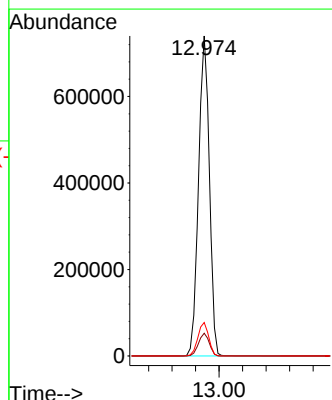
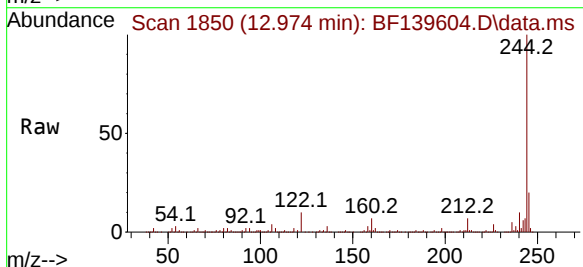
Tgt Ion:244 Resp: 944904

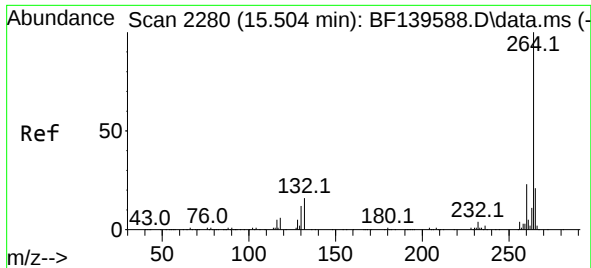
Ion Ratio Lower Upper

244 100

212 7.1 5.8 8.6

122 10.4 8.6 12.8





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.498 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF139604.D
Acq: 02 Oct 2024 14:04

Instrument :
BNA_F
ClientSampleId :
TEST-PIT-NORTH

Tgt Ion:264 Resp: 178549

Ion	Ratio	Lower	Upper
264	100		
260	23.3	18.7	28.1
265	20.7	16.9	25.3

