

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100224\
 Data File : BF139618.D
 Acq On : 02 Oct 2024 20:38
 Operator : RC/JU
 Sample : P4212-03
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TEST-PIT-SOUTH

Quant Time: Oct 03 01:53:28 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

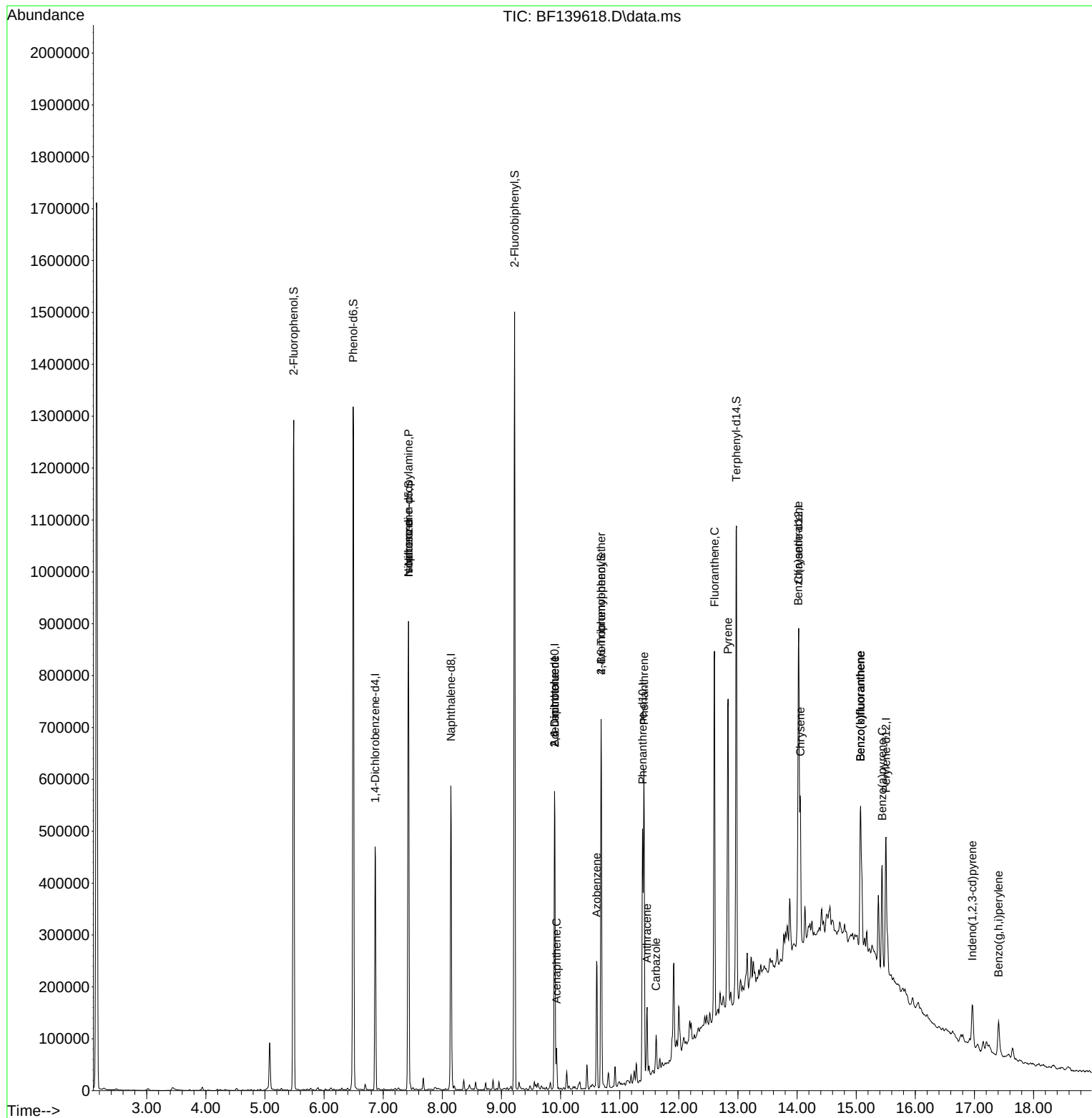
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.863	152	92465	20.000	ng	0.00
21) Naphthalene-d8	8.145	136	338447	20.000	ng	0.00
39) Acenaphthene-d10	9.898	164	166078	20.000	ng	-0.01
64) Phenanthrene-d10	11.386	188	248361	20.000	ng	0.00
76) Chrysene-d12	14.027	240	173843	20.000	ng	0.00
86) Perylene-d12	15.504	264	157974	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	441712	82.798	ng	0.00
7) Phenol-d6	6.492	99	576682	80.383	ng	-0.01
23) Nitrobenzene-d5	7.428	82	375380	56.155	ng	0.00
42) 2,4,6-Tribromophenol	10.686	330	100665	62.790	ng	-0.01
45) 2-Fluorobiphenyl	9.222	172	618330	57.157	ng	0.00
79) Terphenyl-d14	12.974	244	443962	41.904	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.428	70	51959	11.265	ng	# 75
25) Isophorone	7.428	82	373614	31.468	ng	# 66
51) 2,6-Dinitrotoluene	9.898	165	21198	8.632	ng	# 18
52) Acenaphthene	9.933	154	22963	2.375	ng	95
57) 2,4-Dinitrotoluene	9.898	165	21198	6.604	ng	# 18
63) Azobenzene	10.610	77	61985	5.489	ng	# 1
67) 4-Bromophenyl-phenylether	10.686	248	7037	2.763	ng	# 1
71) Phenanthrene	11.410	178	299592	25.583	ng	99
72) Anthracene	11.463	178	73631	6.356	ng	99
73) Carbazole	11.616	167	37384	3.360	ng	99
75) Fluoranthene	12.604	202	414774	32.401	ng	99
78) Pyrene	12.833	202	357633	23.001	ng	99
81) Benzo(a)anthracene	14.021	228	192626	16.853	ng	98
83) Chrysene	14.057	228	141042	13.498	ng	97
87) Indeno(1,2,3-cd)pyrene	16.962	276	60949	6.555	ng	95
88) Benzo(b)fluoranthene	15.074	252	236808	23.184	ng	# 97
89) Benzo(k)fluoranthene	15.074	252	236808	27.331	ng	98
90) Benzo(a)pyrene	15.439	252	122803	15.247	ng	98
92) Benzo(g,h,i)perylene	17.409	276	55079	7.121	ng	99

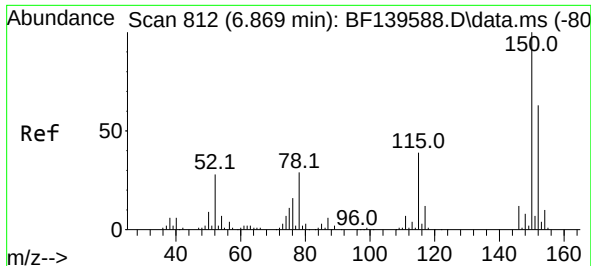
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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TEST-PIT-SOUTH

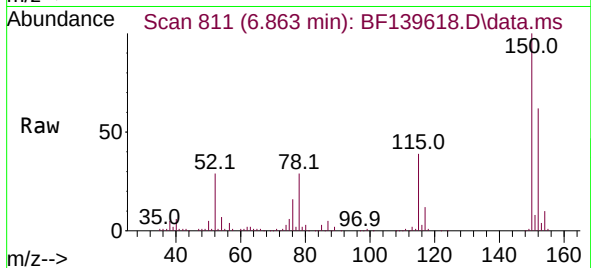
Quant Time: Oct 03 01:53:28 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 02 04:58:47 2024
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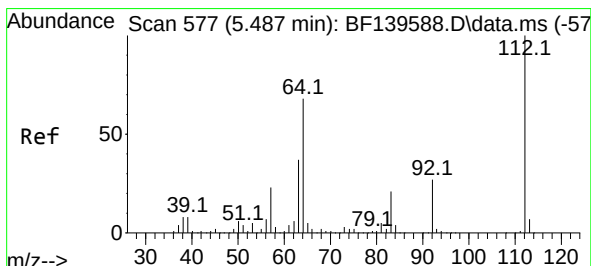
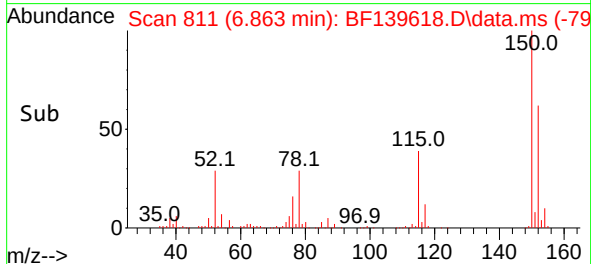
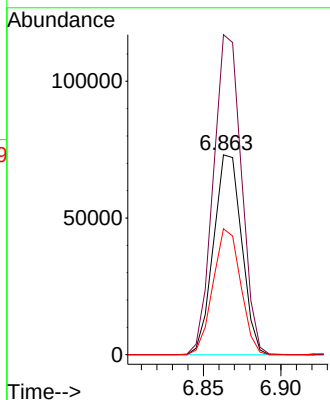


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.863 min Scan# 812
Delta R.T. -0.006 min
Lab File: BF139618.D
Acq: 02 Oct 2024 20:38

Instrument :
BNA_F
ClientSampleId :
TEST-PIT-SOUTH

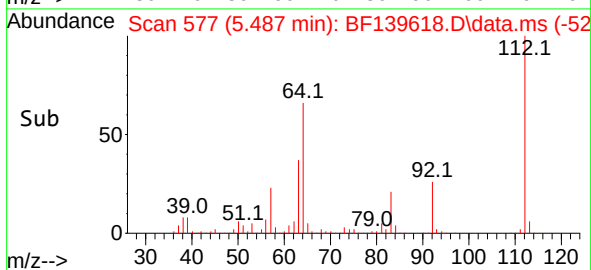
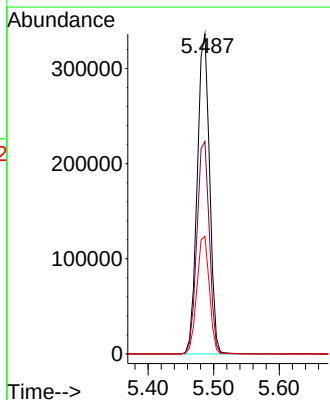
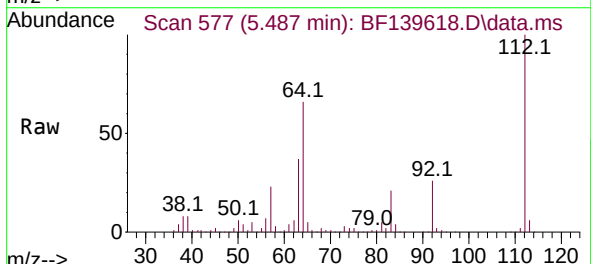


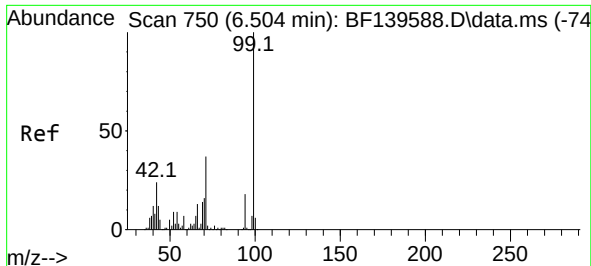
Tgt Ion:152 Resp: 92465
Ion Ratio Lower Upper
152 100
150 160.1 127.2 190.8
115 63.0 49.0 73.4



#5
2-Fluorophenol
Concen: 82.798 ng
RT: 5.487 min Scan# 577
Delta R.T. -0.000 min
Lab File: BF139618.D
Acq: 02 Oct 2024 20:38

Tgt Ion:112 Resp: 441712
Ion Ratio Lower Upper
112 100
64 66.4 54.2 81.4
63 36.8 29.4 44.2

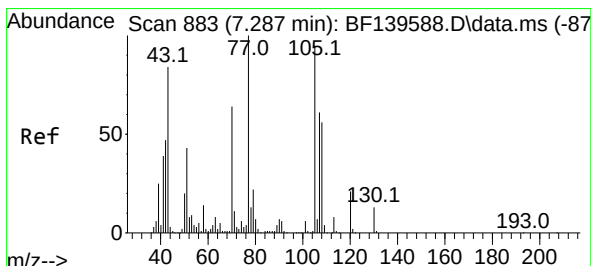
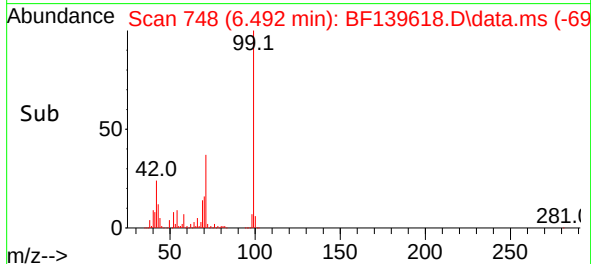
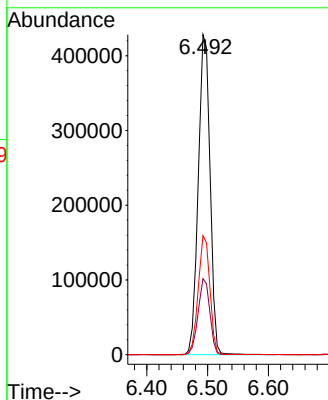
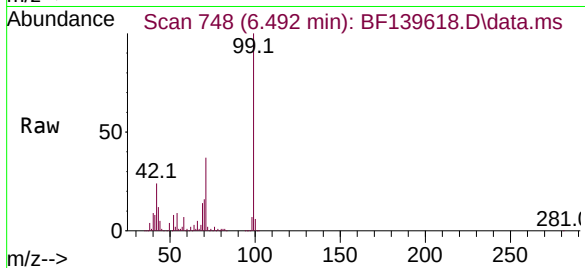




#7
Phenol-d6
Concen: 80.383 ng
RT: 6.492 min Scan# 74
Delta R.T. -0.012 min
Lab File: BF139618.D
Acq: 02 Oct 2024 20:38

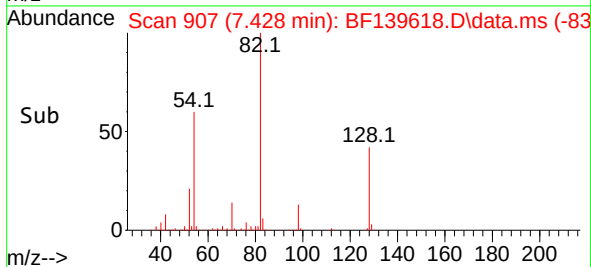
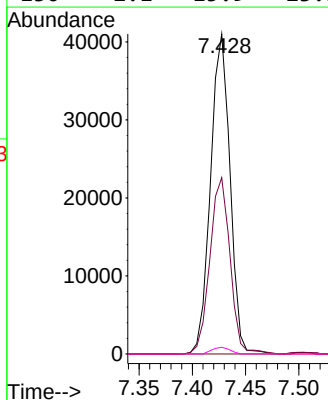
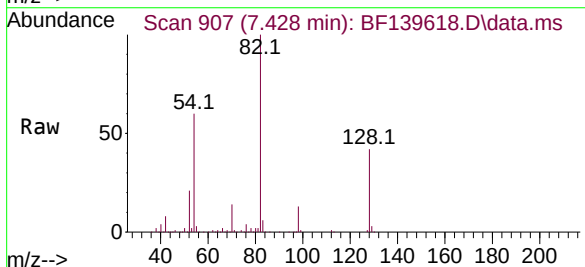
Instrument :
BNA_F
ClientSampleId :
TEST-PIT-SOUTH

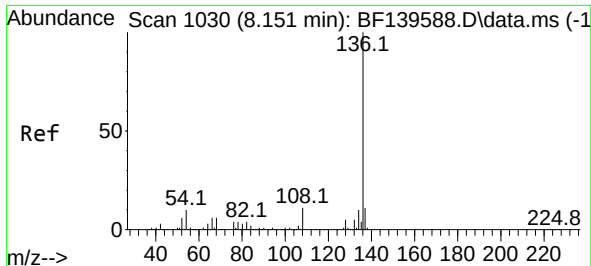
Tgt Ion: 99 Resp: 576682
Ion Ratio Lower Upper
99 100
42 23.7 19.1 28.7
71 37.2 29.7 44.5



#19
n-Nitroso-di-n-propylamine
Concen: 11.265 ng
RT: 7.428 min Scan# 907
Delta R.T. 0.141 min
Lab File: BF139618.D
Acq: 02 Oct 2024 20:38

Tgt Ion: 70 Resp: 51959
Ion Ratio Lower Upper
70 100
42 55.1 58.0 87.0#
101 0.0 7.8 11.8#
130 2.1 15.9 23.9#



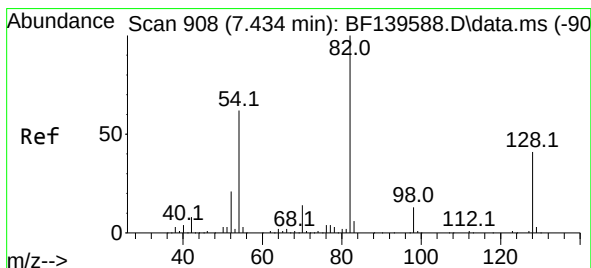
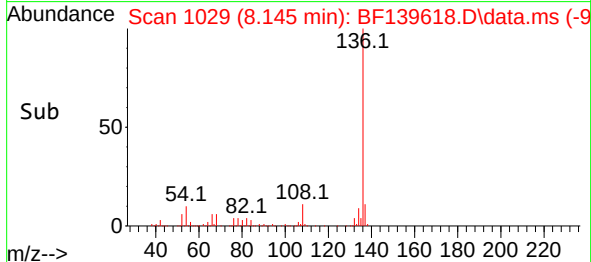
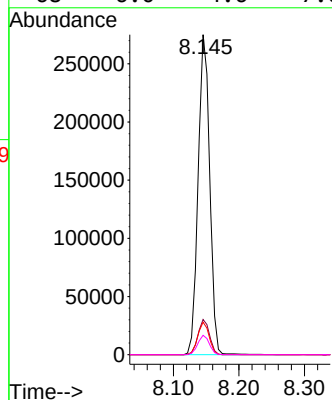
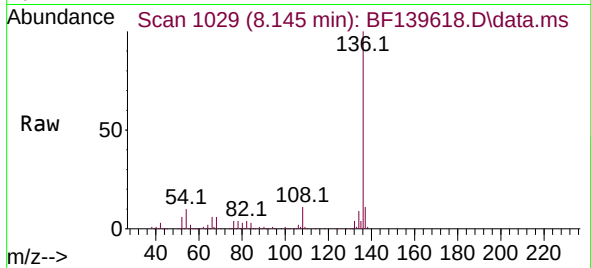


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.145 min Scan# 1030
Delta R.T. -0.006 min
Lab File: BF139618.D
Acq: 02 Oct 2024 20:38

Instrument :
BNA_F
ClientSampleId :
TEST-PIT-SOUTH

Tgt Ion:136 Resp: 338447

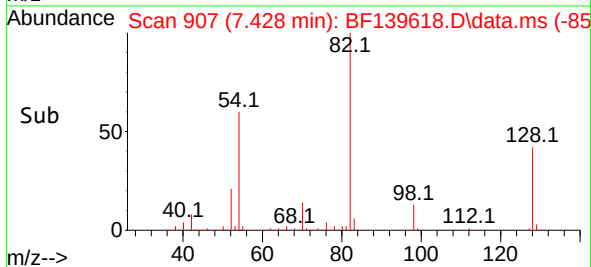
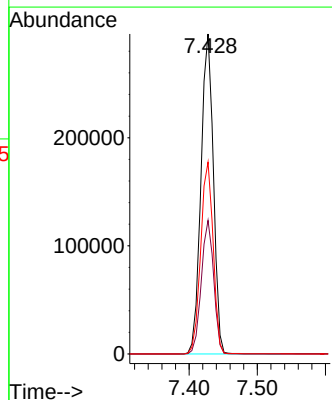
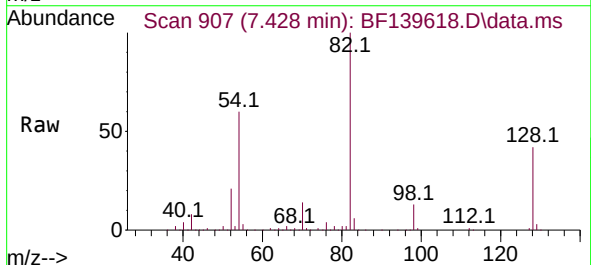
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.6	13.0
54	10.2	8.3	12.5
68	6.0	4.6	7.0

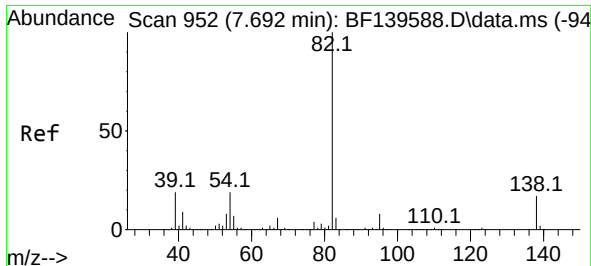


#23
Nitrobenzene-d5
Concen: 56.155 ng
RT: 7.428 min Scan# 907
Delta R.T. -0.006 min
Lab File: BF139618.D
Acq: 02 Oct 2024 20:38

Tgt Ion: 82 Resp: 375380

Ion	Ratio	Lower	Upper
82	100		
128	41.8	32.4	48.6
54	59.9	49.1	73.7

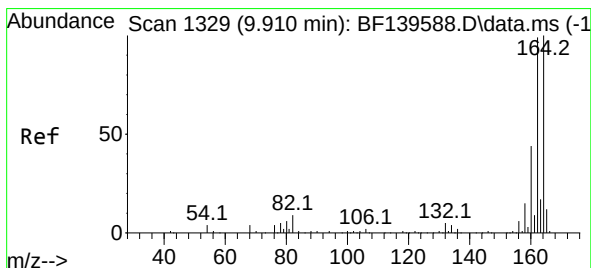
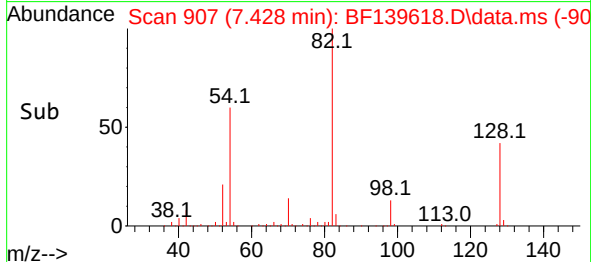
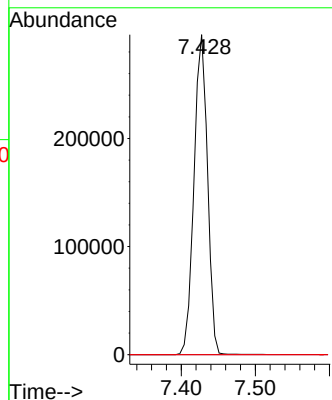
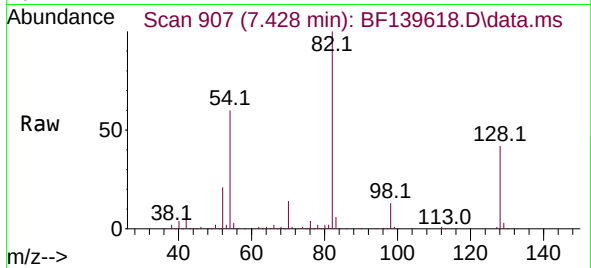




#25
Isophorone
Concen: 31.468 ng
RT: 7.428 min Scan# 90
Delta R.T. -0.265 min
Lab File: BF139618.D
Acq: 02 Oct 2024 20:38

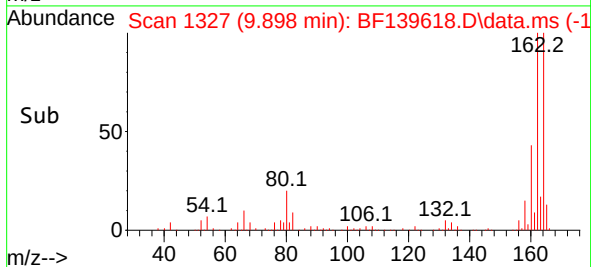
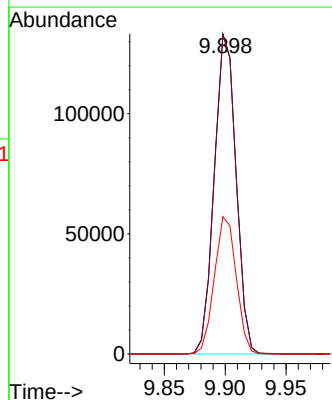
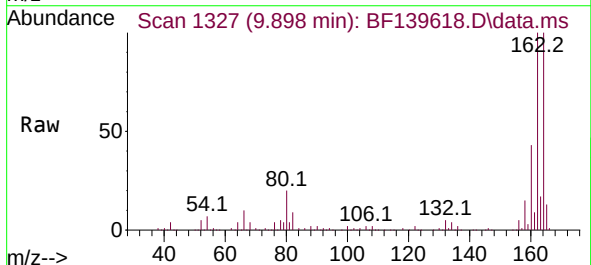
Instrument :
BNA_F
ClientSampleId :
TEST-PIT-SOUTH

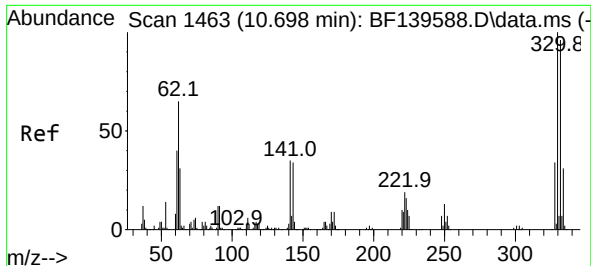
Tgt Ion: 82 Resp: 373614
Ion Ratio Lower Upper
82 100
95 0.0 6.1 9.1#
138 0.0 13.4 20.2#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.898 min Scan# 1327
Delta R.T. -0.012 min
Lab File: BF139618.D
Acq: 02 Oct 2024 20:38

Tgt Ion:164 Resp: 166078
Ion Ratio Lower Upper
164 100
162 99.8 79.4 119.0
160 42.9 35.1 52.7





#42

2,4,6-Tribromophenol

Concen: 62.790 ng

RT: 10.686 min Scan# 1461

Delta R.T. -0.012 min

Lab File: BF139618.D

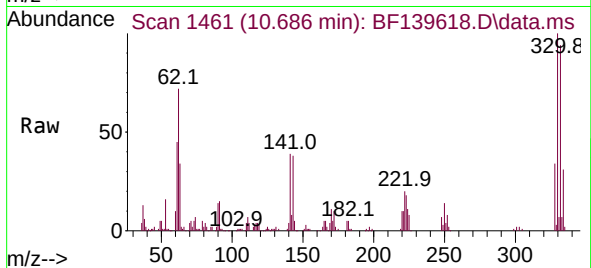
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ClientSampleId :

TEST-PIT-SOUTH



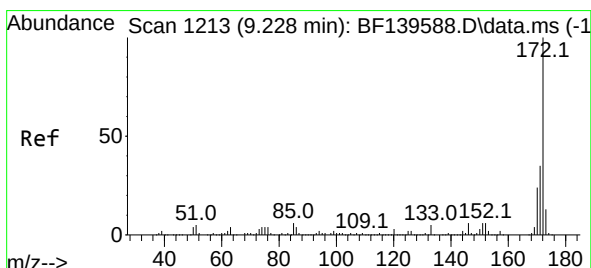
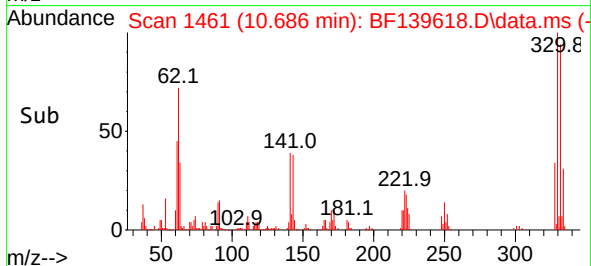
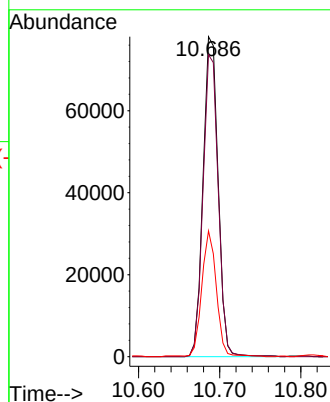
Tgt Ion:330 Resp: 100665

Ion Ratio Lower Upper

330 100

332 95.3 76.5 114.7

141 38.1 29.3 43.9



#45

2-Fluorobiphenyl

Concen: 57.157 ng

RT: 9.222 min Scan# 1212

Delta R.T. -0.006 min

Lab File: BF139618.D

Acq: 02 Oct 2024 20:38

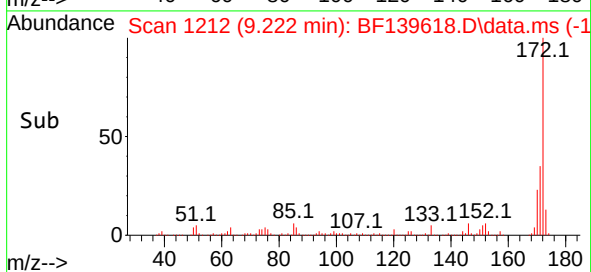
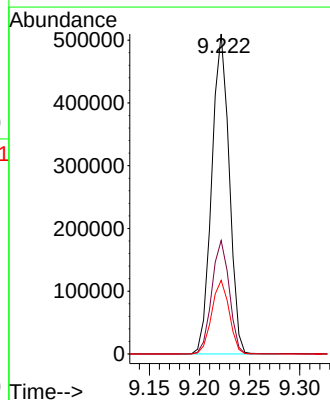
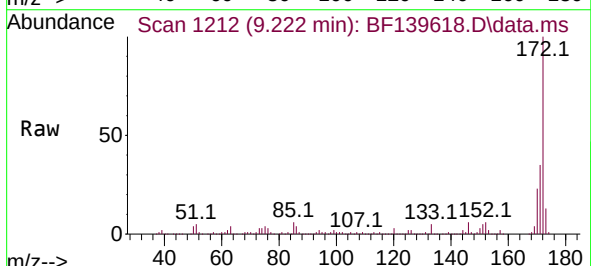
Tgt Ion:172 Resp: 618330

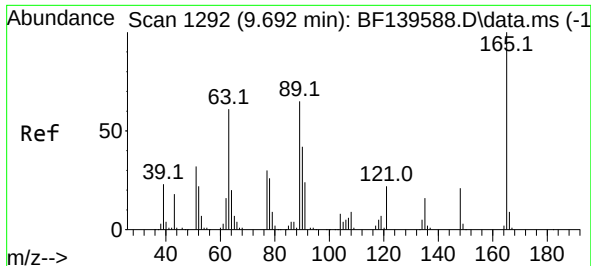
Ion Ratio Lower Upper

172 100

171 35.5 28.2 42.4

170 23.0 18.8 28.2

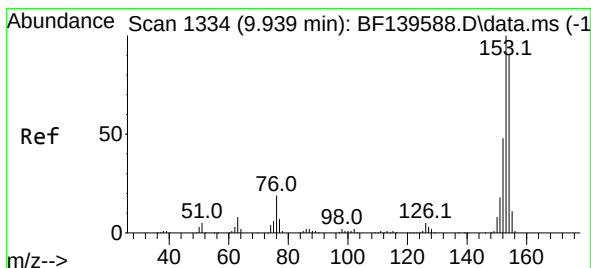
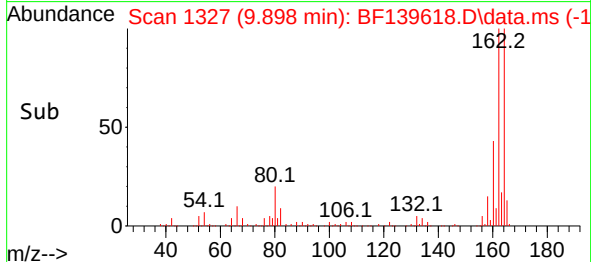
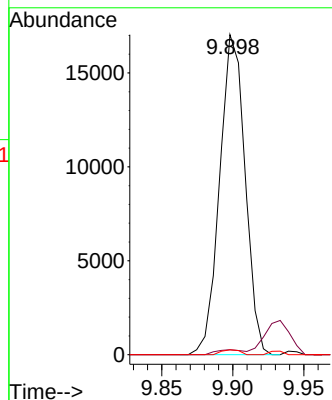
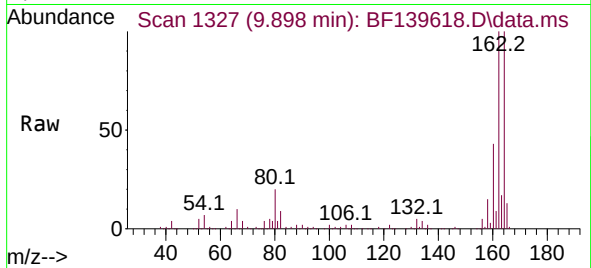




#51
2,6-Dinitrotoluene
Concen: 8.632 ng
RT: 9.898 min Scan# 11
Delta R.T. 0.206 min
Lab File: BF139618.D
Acq: 02 Oct 2024 20:38

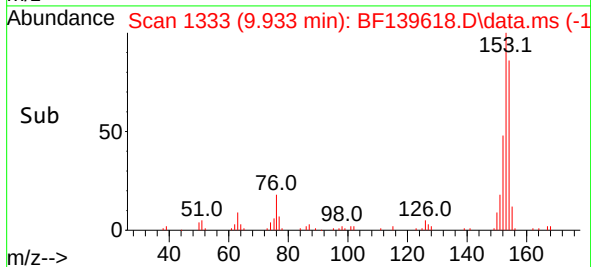
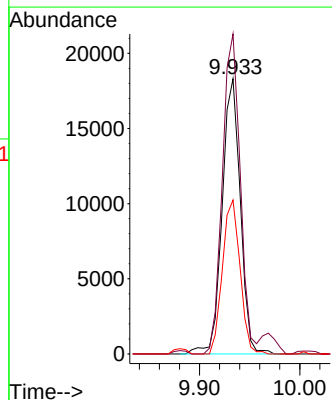
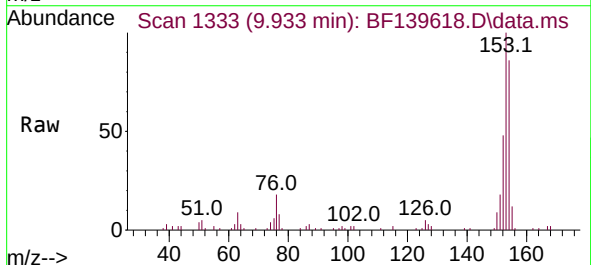
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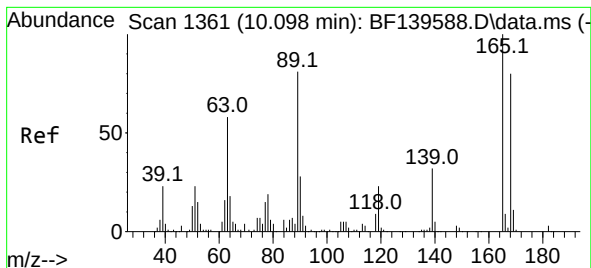
Tgt Ion:165 Resp: 21198
Ion Ratio Lower Upper
165 100
63 1.5 56.7 85.1#
89 1.5 51.6 77.4#



#52
Acenaphthene
Concen: 2.375 ng
RT: 9.933 min Scan# 1333
Delta R.T. -0.006 min
Lab File: BF139618.D
Acq: 02 Oct 2024 20:38

Tgt Ion:154 Resp: 22963
Ion Ratio Lower Upper
154 100
153 116.3 88.8 133.2
152 55.9 42.5 63.7

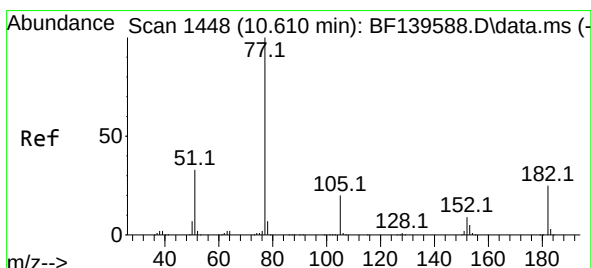
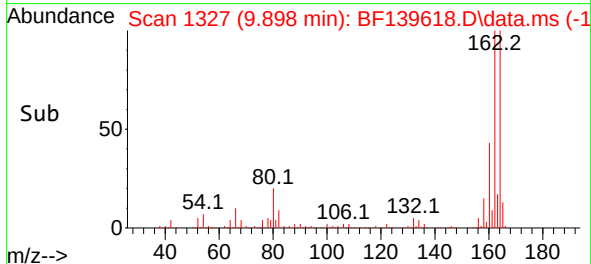
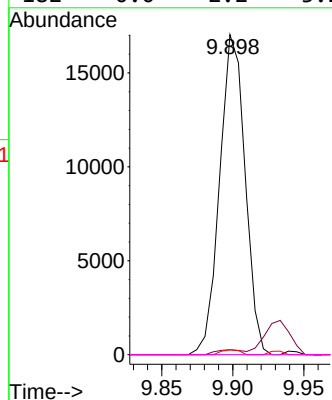
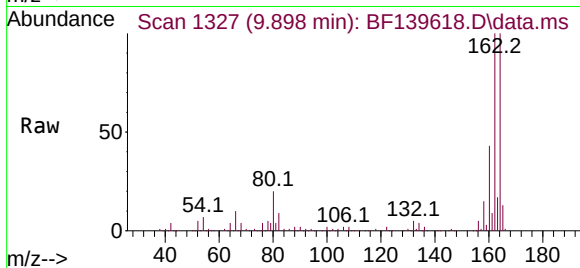




#57
2,4-Dinitrotoluene
Concen: 6.604 ng
RT: 9.898 min Scan# 11
Delta R.T. -0.200 min
Lab File: BF139618.D
Acq: 02 Oct 2024 20:38

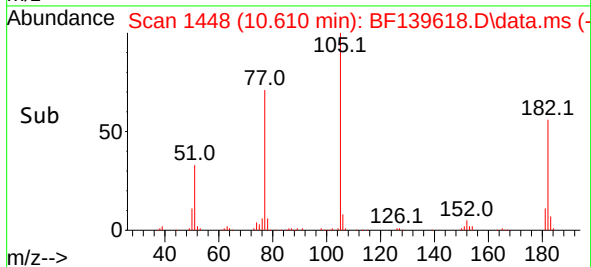
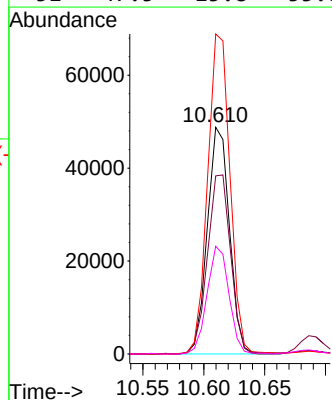
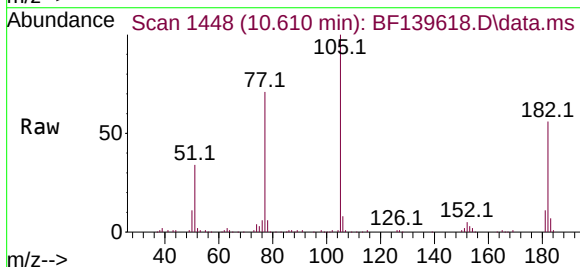
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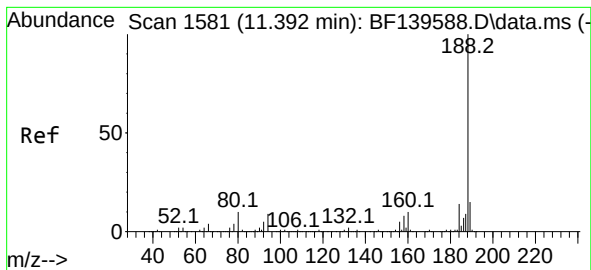
Tgt Ion:165 Resp: 21198
Ion Ratio Lower Upper
165 100
63 1.5 46.9 70.3#
89 1.5 64.4 96.6#
182 0.0 2.2 3.2#



#63
Azobenzene
Concen: 5.489 ng
RT: 10.610 min Scan# 1448
Delta R.T. -0.000 min
Lab File: BF139618.D
Acq: 02 Oct 2024 20:38

Tgt Ion: 77 Resp: 61985
Ion Ratio Lower Upper
77 100
182 78.6 4.2 44.2#
105 141.2 0.0 39.6#
51 47.5 15.8 55.8





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.386 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF139618.D

Acq: 02 Oct 2024 20:38

Instrument :

BNA_F

ClientSampleId :

TEST-PIT-SOUTH

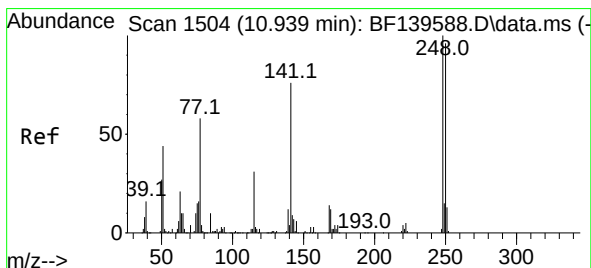
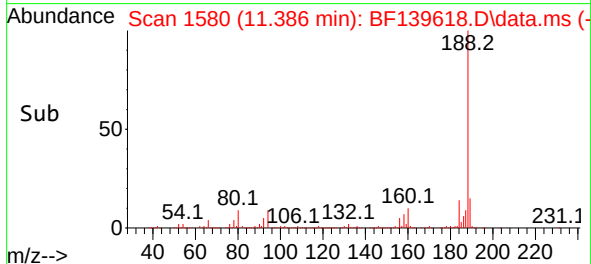
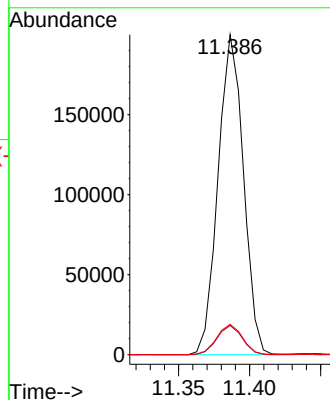
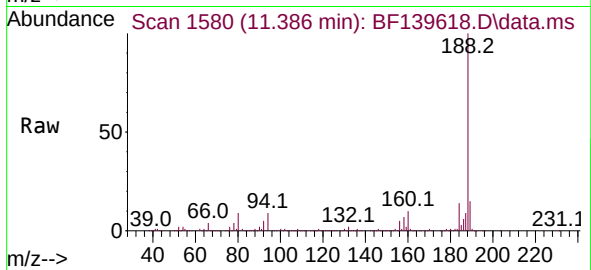
Tgt Ion:188 Resp: 248361

Ion Ratio Lower Upper

188 100

94 9.1 7.4 11.2

80 9.5 8.2 12.2



#67

4-Bromophenyl-phenylether

Concen: 2.763 ng

RT: 10.686 min Scan# 1461

Delta R.T. -0.253 min

Lab File: BF139618.D

Acq: 02 Oct 2024 20:38

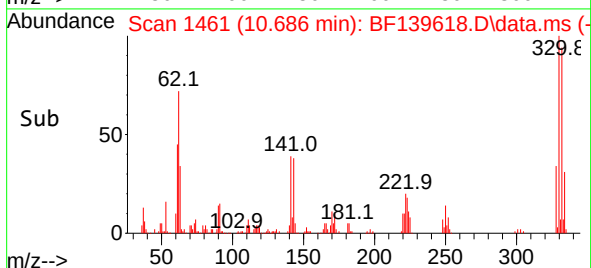
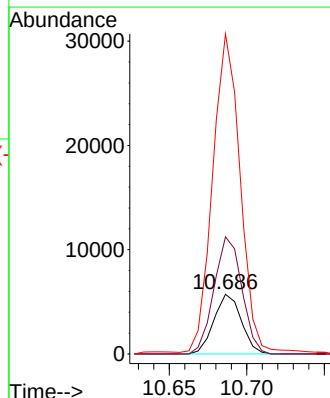
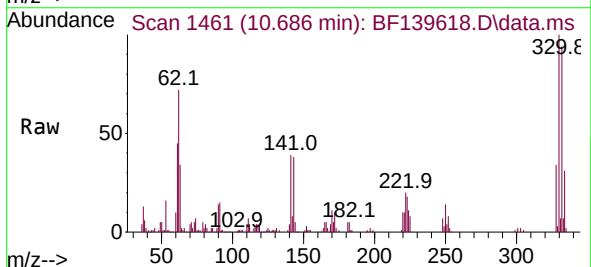
Tgt Ion:248 Resp: 7037

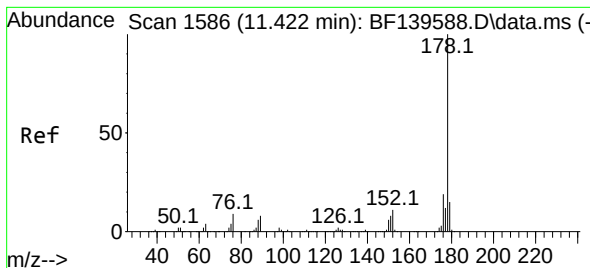
Ion Ratio Lower Upper

248 100

250 196.0 77.1 115.7#

141 535.6 60.4 90.6#





#71

Phenanthrene

Concen: 25.583 ng

RT: 11.410 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF139618.D

Acq: 02 Oct 2024 20:38

Instrument :

BNA_F

ClientSampleId :

TEST-PIT-SOUTH

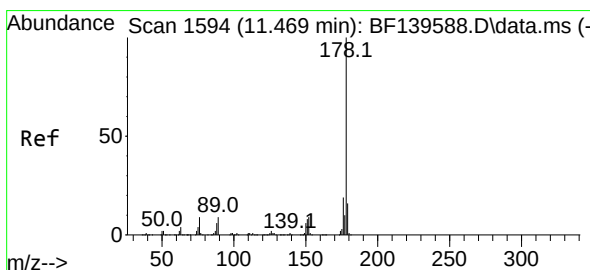
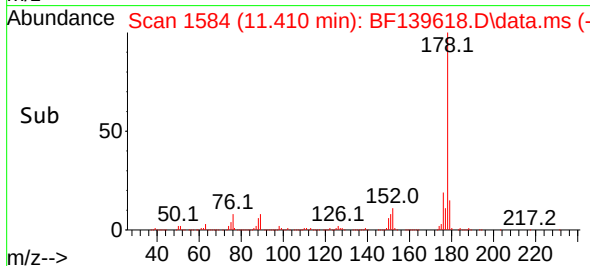
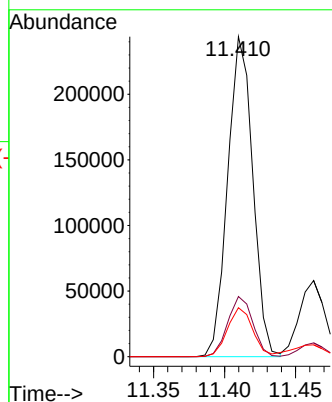
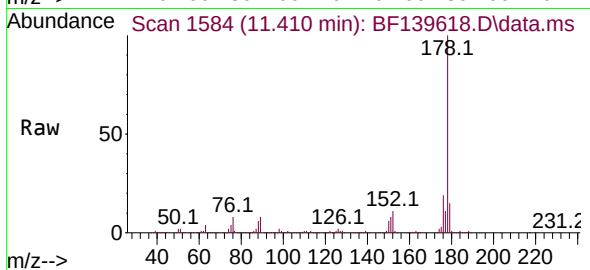
Tgt Ion:178 Resp: 299592

Ion Ratio Lower Upper

178 100

176 18.8 15.5 23.3

179 15.3 12.3 18.5



#72

Anthracene

Concen: 6.356 ng

RT: 11.463 min Scan# 1593

Delta R.T. -0.006 min

Lab File: BF139618.D

Acq: 02 Oct 2024 20:38

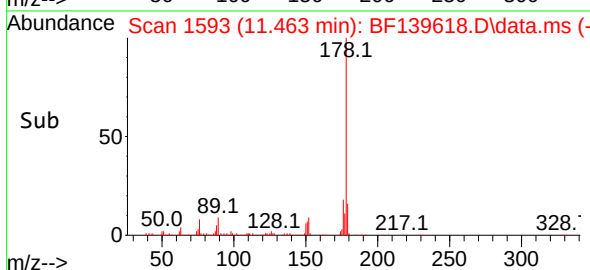
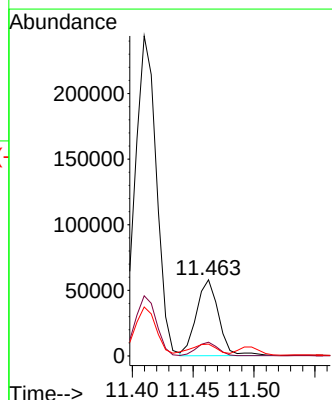
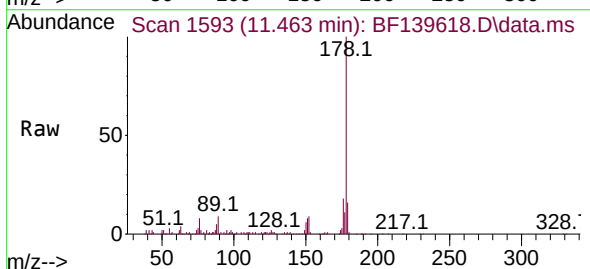
Tgt Ion:178 Resp: 73631

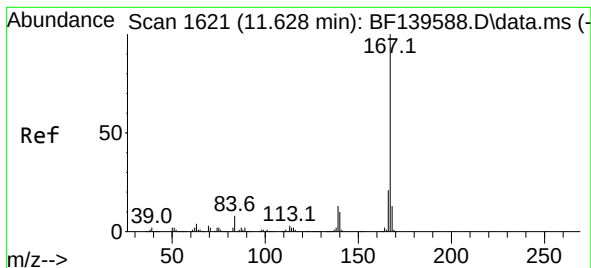
Ion Ratio Lower Upper

178 100

176 18.0 15.1 22.7

179 15.5 12.5 18.7





#73

Carbazole

Concen: 3.360 ng

RT: 11.616 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF139618.D

Acq: 02 Oct 2024 20:38

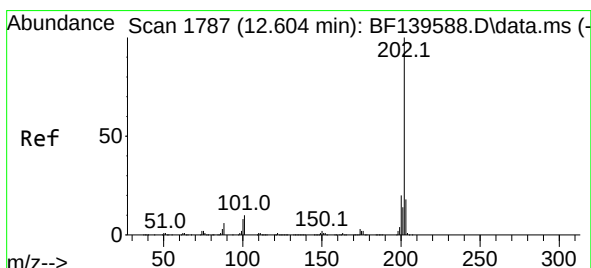
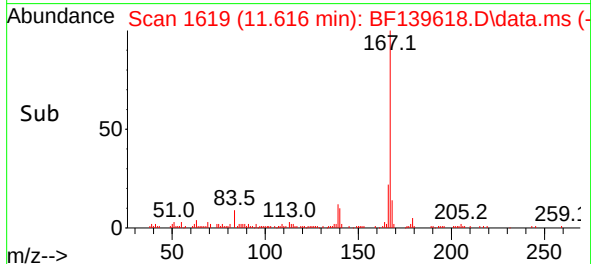
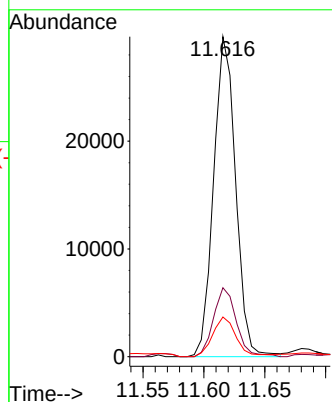
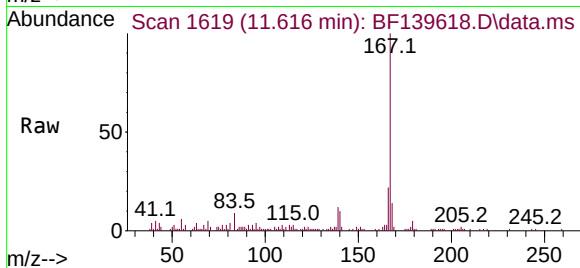
Instrument :

BNA_F

ClientSampleId :

TEST-PIT-SOUTH

Tgt Ion:	167	Resp:	37384
Ion Ratio	Lower	Upper	
167	100		
166	21.6	17.2	25.8
139	12.4	10.3	15.5



#75

Fluoranthene

Concen: 32.401 ng

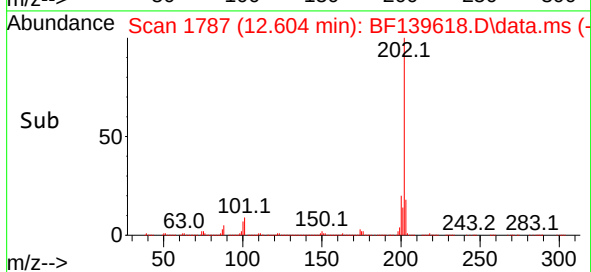
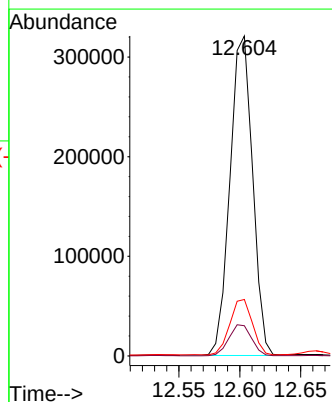
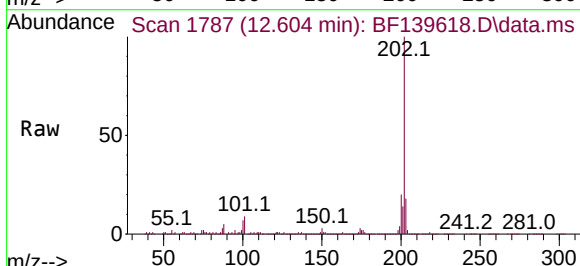
RT: 12.604 min Scan# 1787

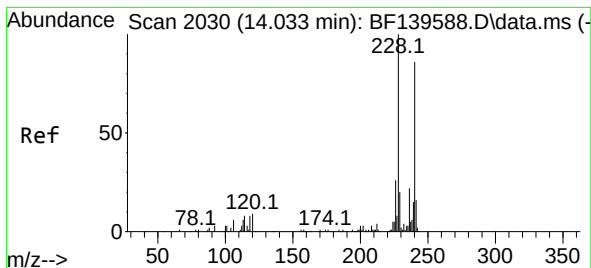
Delta R.T. -0.000 min

Lab File: BF139618.D

Acq: 02 Oct 2024 20:38

Tgt Ion:	202	Resp:	414774
Ion Ratio	Lower	Upper	
202	100		
101	9.4	0.0	30.2
203	17.7	0.0	37.7





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.027 min Scan# 2030

Delta R.T. -0.006 min

Lab File: BF139618.D

Acq: 02 Oct 2024 20:38

Instrument :

BNA_F

ClientSampleId :

TEST-PIT-SOUTH

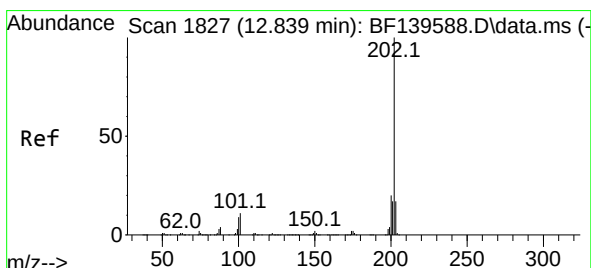
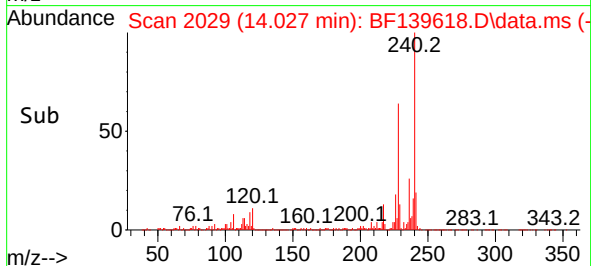
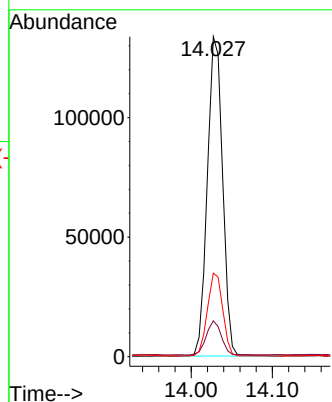
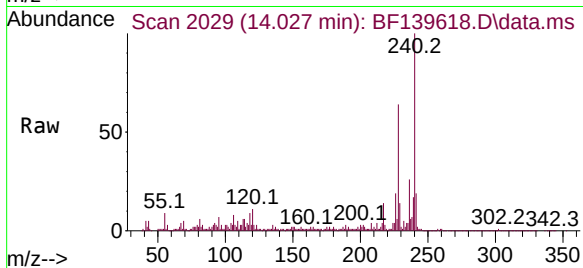
Tgt Ion:240 Resp: 173843

Ion Ratio Lower Upper

240 100

120 11.2 8.4 12.6

236 26.1 20.3 30.5



#78

Pyrene

Concen: 23.001 ng

RT: 12.833 min Scan# 1826

Delta R.T. -0.006 min

Lab File: BF139618.D

Acq: 02 Oct 2024 20:38

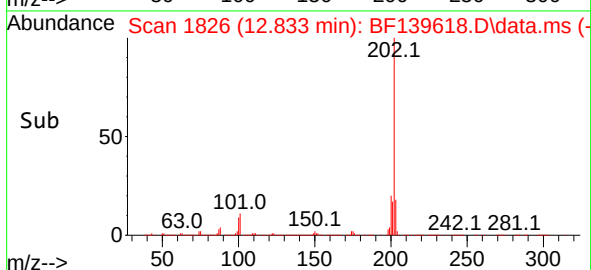
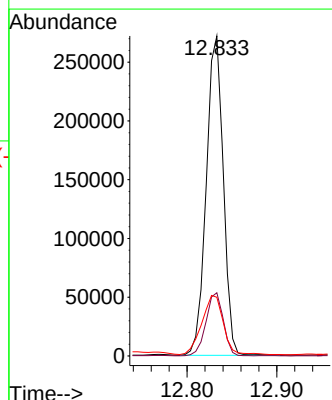
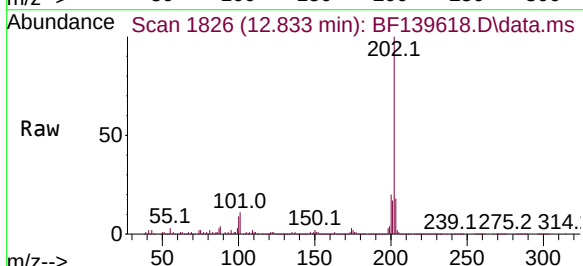
Tgt Ion:202 Resp: 357633

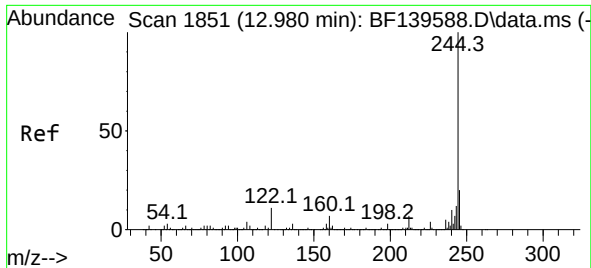
Ion Ratio Lower Upper

202 100

200 19.8 15.8 23.6

203 18.4 13.8 20.8





#79

Terphenyl-d14

Concen: 41.904 ng

RT: 12.974 min Scan# 1851

Delta R.T. -0.006 min

Lab File: BF139618.D

Acq: 02 Oct 2024 20:38

Instrument :

BNA_F

ClientSampleId :

TEST-PIT-SOUTH

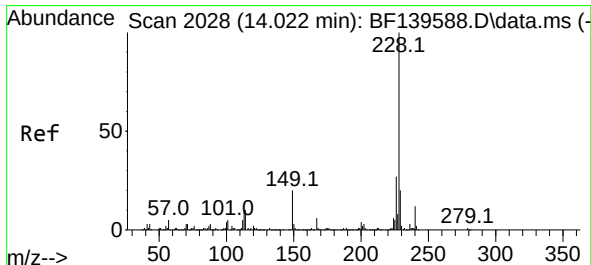
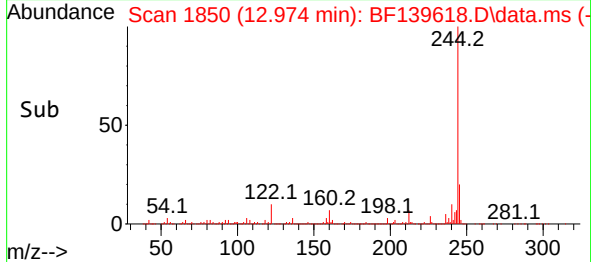
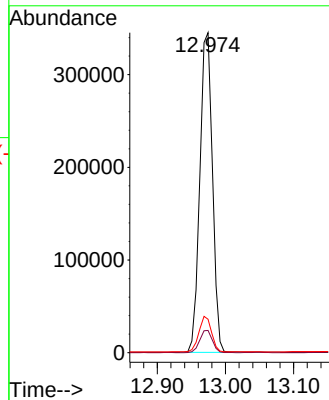
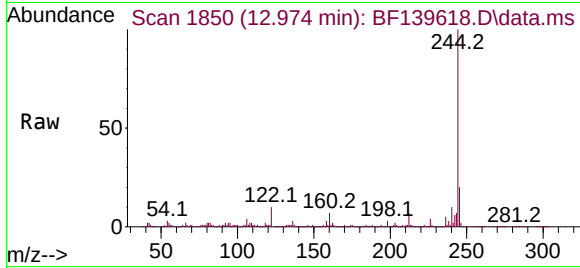
Tgt Ion:244 Resp: 443962

Ion Ratio Lower Upper

244 100

212 6.9 5.8 8.6

122 10.5 8.6 12.8



#81

Benzo(a)anthracene

Concen: 16.853 ng

RT: 14.021 min Scan# 2028

Delta R.T. -0.000 min

Lab File: BF139618.D

Acq: 02 Oct 2024 20:38

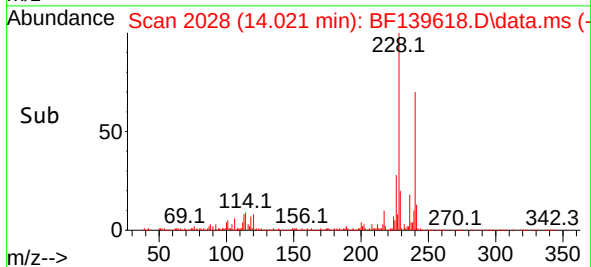
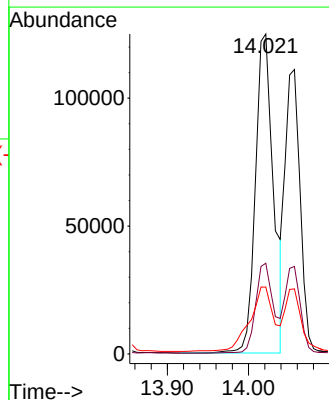
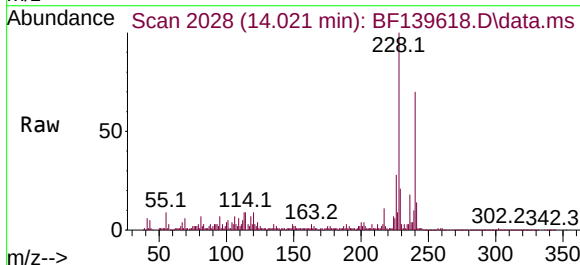
Tgt Ion:228 Resp: 192626

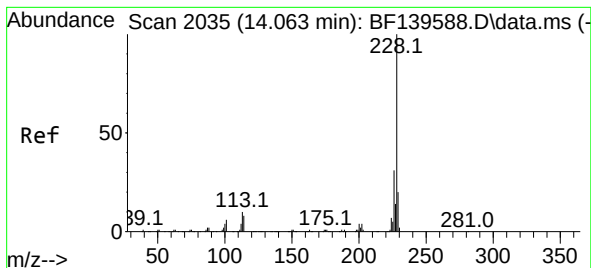
Ion Ratio Lower Upper

228 100

226 28.4 21.8 32.8

229 20.9 15.8 23.8





#83

Chrysene

Concen: 13.498 ng

RT: 14.057 min Scan# 2035

Delta R.T. -0.006 min

Lab File: BF139618.D

Acq: 02 Oct 2024 20:38

Instrument :

BNA_F

ClientSampleId :

TEST-PIT-SOUTH

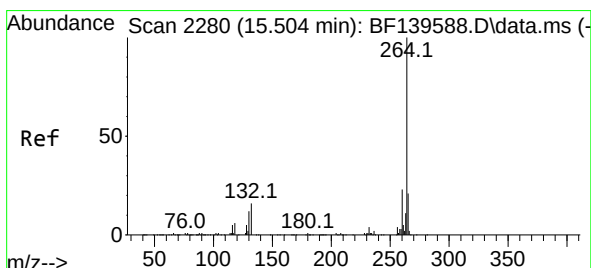
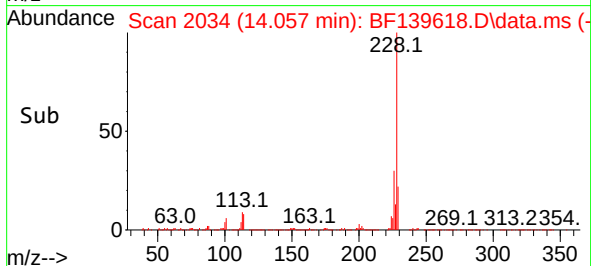
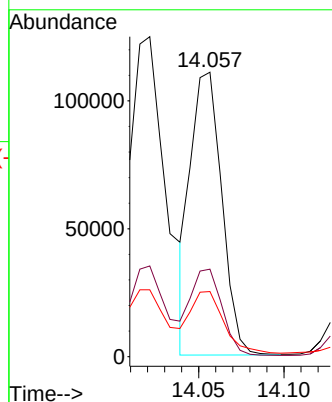
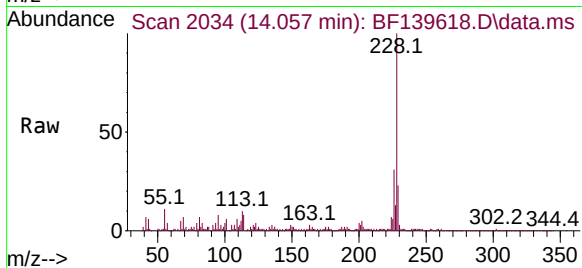
Tgt Ion:228 Resp: 141042

Ion Ratio Lower Upper

228 100

226 30.7 24.3 36.5

229 22.9 15.7 23.5



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.504 min Scan# 2280

Delta R.T. -0.000 min

Lab File: BF139618.D

Acq: 02 Oct 2024 20:38

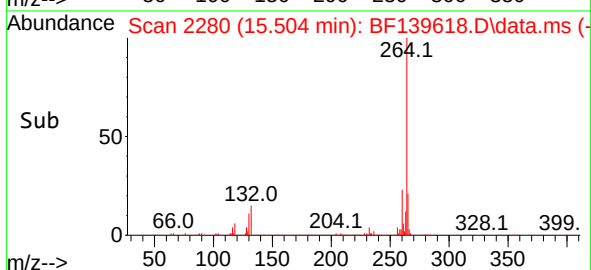
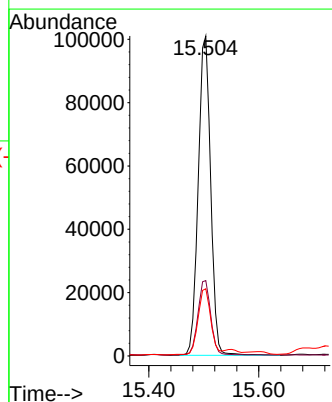
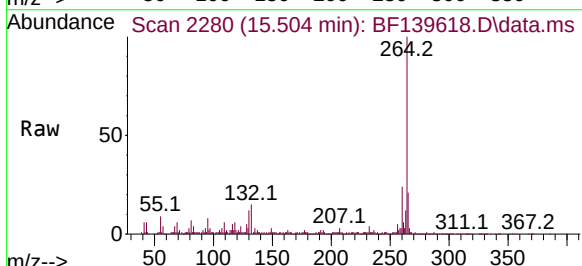
Tgt Ion:264 Resp: 157974

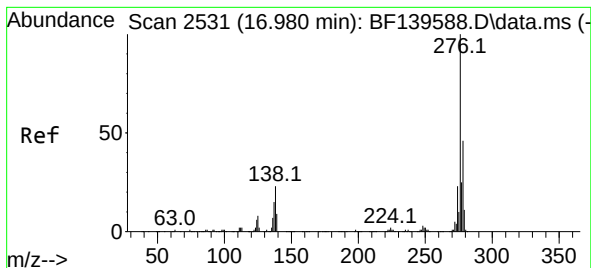
Ion Ratio Lower Upper

264 100

260 23.6 18.7 28.1

265 21.0 16.9 25.3





#87

Indeno(1,2,3-cd)pyrene

Concen: 6.555 ng

RT: 16.962 min Scan# 21

Delta R.T. -0.018 min

Lab File: BF139618.D

Acq: 02 Oct 2024 20:38

Instrument :

BNA_F

ClientSampleId :

TEST-PIT-SOUTH

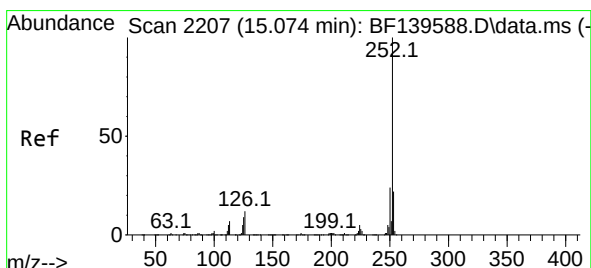
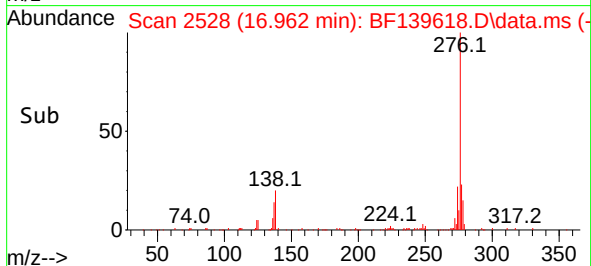
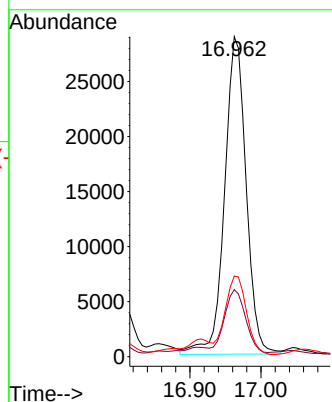
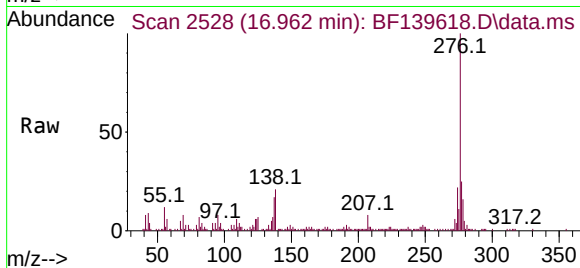
Tgt Ion:276 Resp: 60949

Ion Ratio Lower Upper

276 100

138 19.7 19.4 29.0

277 24.3 20.2 30.2



#88

Benzo(b)fluoranthene

Concen: 23.184 ng

RT: 15.074 min Scan# 2207

Delta R.T. -0.000 min

Lab File: BF139618.D

Acq: 02 Oct 2024 20:38

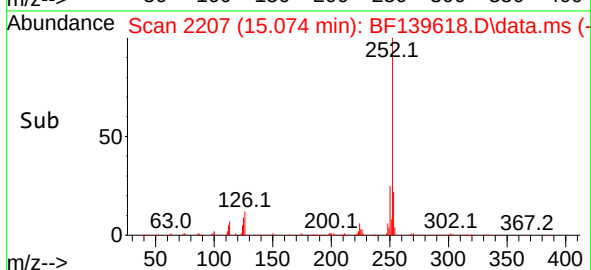
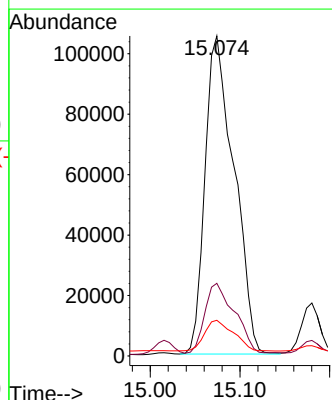
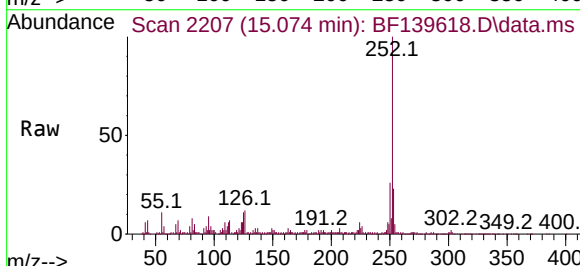
Tgt Ion:252 Resp: 236808

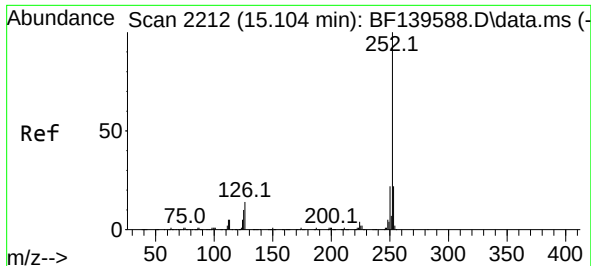
Ion Ratio Lower Upper

252 100

253 22.7 17.4 26.0

125 11.1 7.4 11.0#





#89

Benzo(k)fluoranthene

Concen: 27.331 ng

RT: 15.074 min Scan# 21

Delta R.T. -0.030 min

Lab File: BF139618.D

Acq: 02 Oct 2024 20:38

Instrument :

BNA_F

ClientSampleId :

TEST-PIT-SOUTH

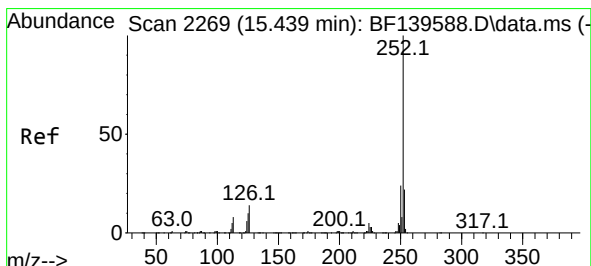
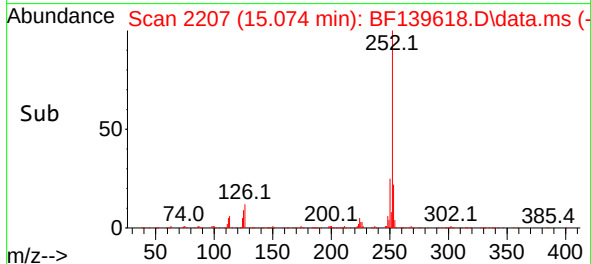
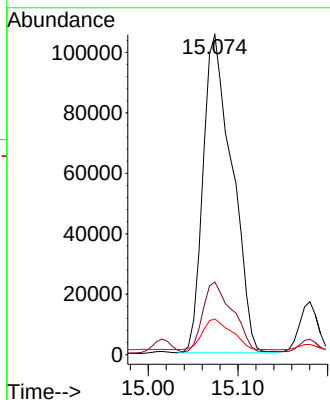
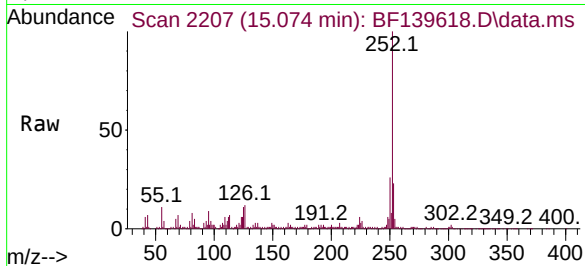
Tgt Ion:252 Resp: 236808

Ion Ratio Lower Upper

252 100

253 22.7 17.5 26.3

125 11.1 7.6 11.4



#90

Benzo(a)pyrene

Concen: 15.247 ng

RT: 15.439 min Scan# 2269

Delta R.T. -0.000 min

Lab File: BF139618.D

Acq: 02 Oct 2024 20:38

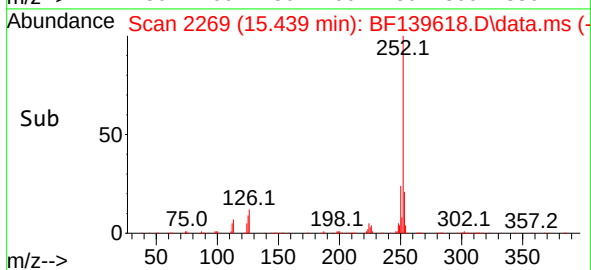
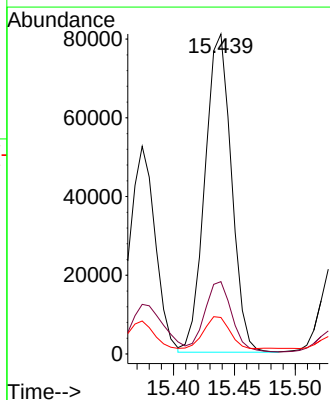
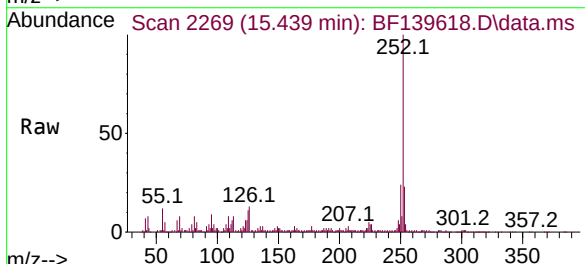
Tgt Ion:252 Resp: 122803

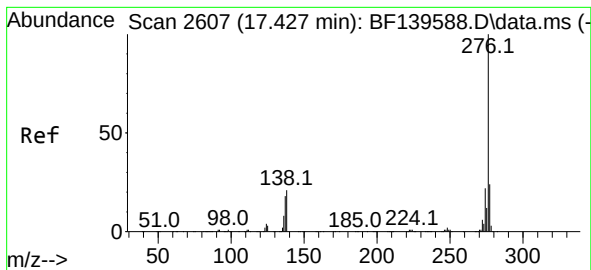
Ion Ratio Lower Upper

252 100

253 22.6 17.3 25.9

125 11.4 8.3 12.5





#92

Benzo(g,h,i)perylene

Concen: 7.121 ng

RT: 17.409 min Scan# 20

Delta R.T. -0.018 min

Lab File: BF139618.D

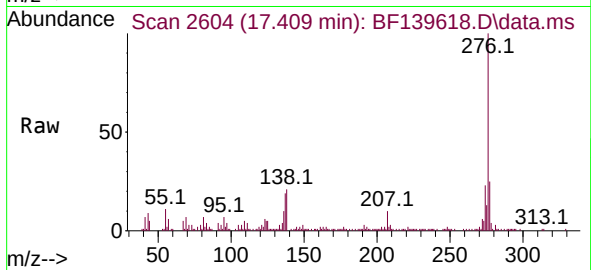
Acq: 02 Oct 2024 20:38

Instrument :

BNA_F

ClientSampleId :

TEST-PIT-SOUTH



Tgt Ion:276 Resp: 55079

Ion Ratio Lower Upper

276 100

277 24.5 19.0 28.6

138 21.3 17.0 25.6

