

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

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 10/03/2024
 Supervised By :mohammad ahmed 10/04/2024

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						Qvalue
52) Acenaphthene	9.933	154	22963	2.375	ng	95
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	169837m	16.627	ng	
89) Benzo(k)fluoranthene	15.086	252	66376m	7.661	ng	
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

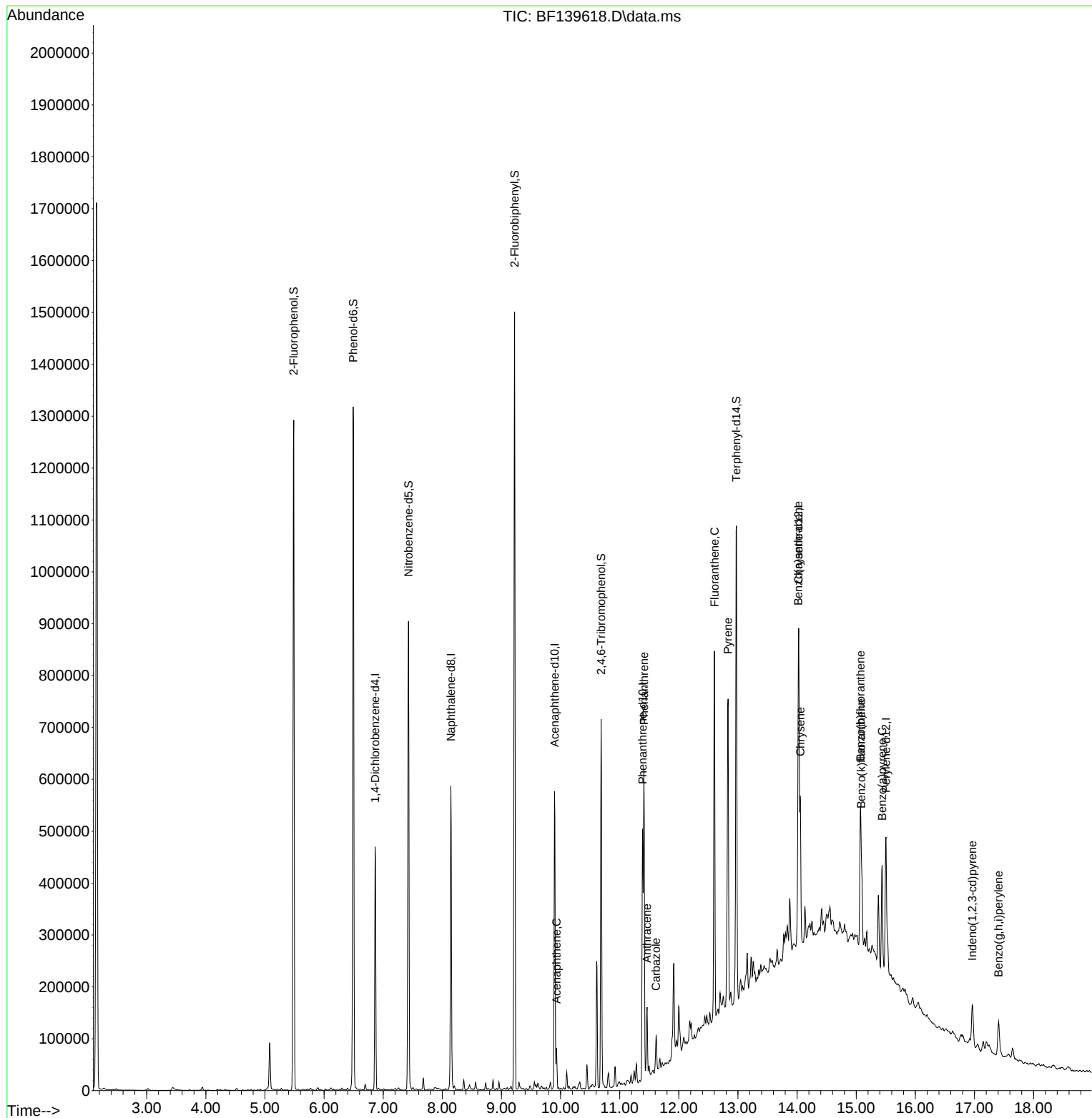
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Data File : BF139618.D
Acq On : 02 Oct 2024 20:38
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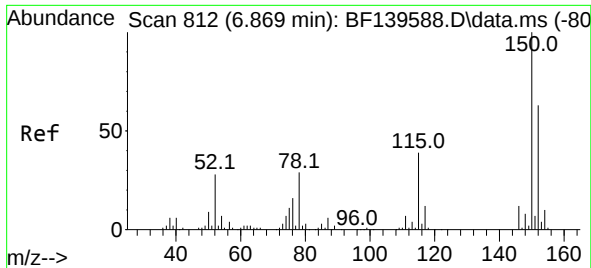
Instrument :
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Quant Time: Oct 03 01:53:28 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100124.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 02 04:58:47 2024
Response via : Initial Calibration

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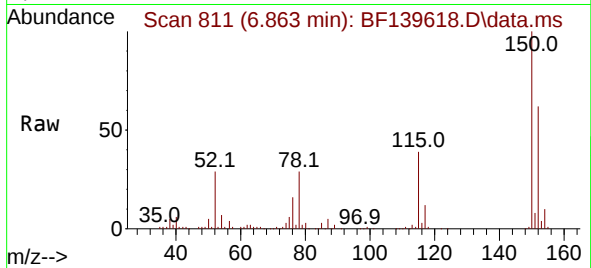
Reviewed By :Jagrut Upadhyay 10/03/2024
Supervised By :mohammad ahmed 10/04/2024





#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

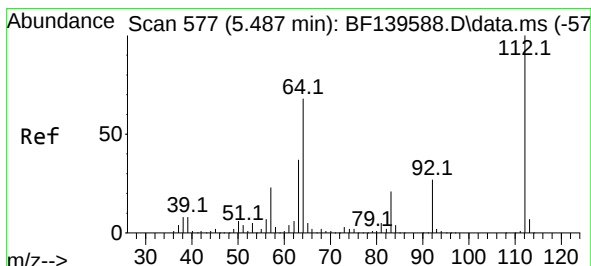
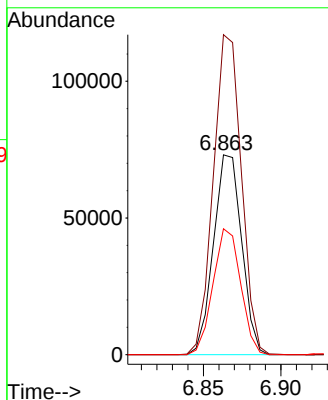
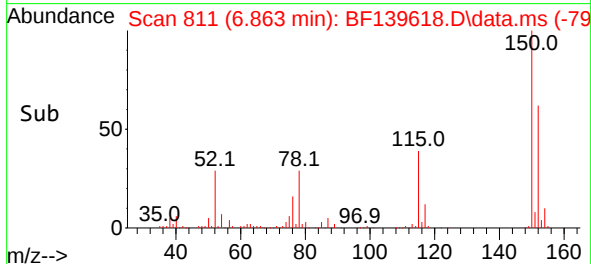
Instrument :
BNA_F
ClientSampleId :
TEST-PIT-SOUTH



Tgt Ion:152 Resp: 9246
Ion Ratio Lower Upper
152 100
150 160.1 127.2 190.8
115 63.0 49.0 73.4

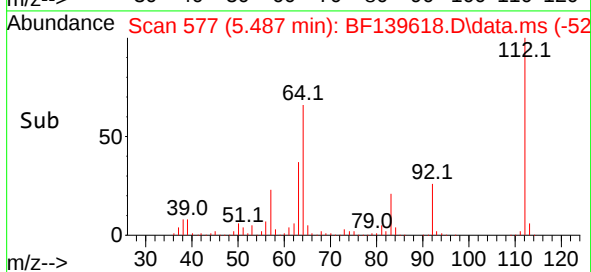
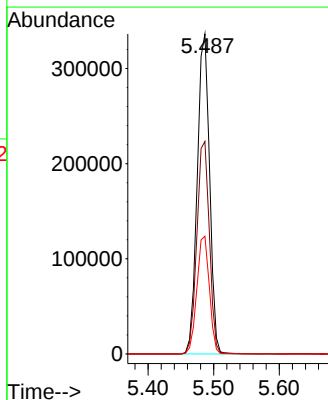
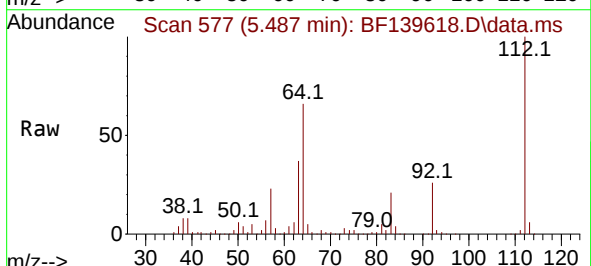
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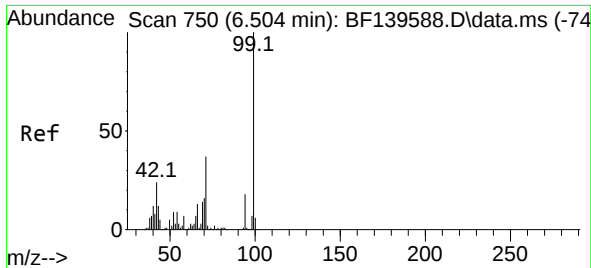
Reviewed By :Jagrut Upadhyay 10/03/2024
Supervised By :mohammad ahmed 10/04/2024



#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

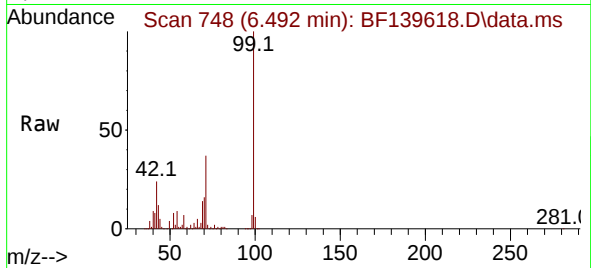
Tgt Ion:112 Resp: 441712
Ion Ratio Lower Upper
112 100
64 66.4 54.2 81.4
63 36.8 29.4 44.2





#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

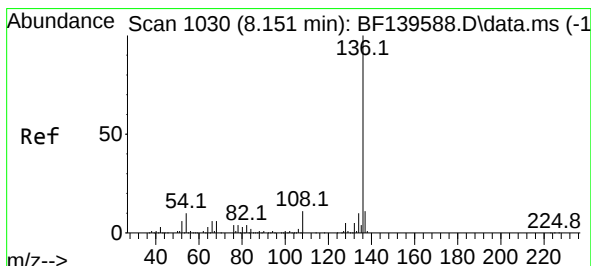
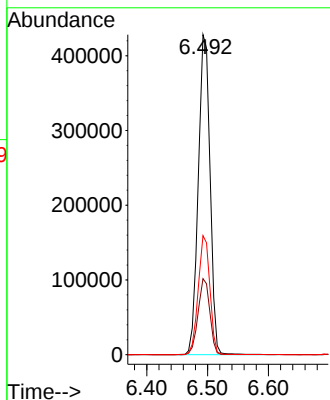
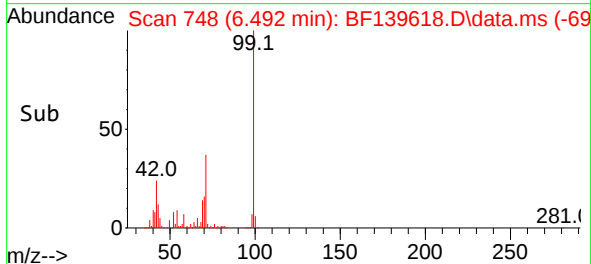
Instrument :
BNA_F
ClientSampleId :
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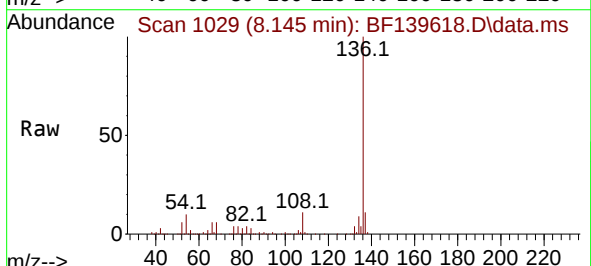
Tgt Ion: 99 Resp: 57668
Ion Ratio Lower Upper
99 100
42 23.7 19.1 28.7
71 37.2 29.7 44.5

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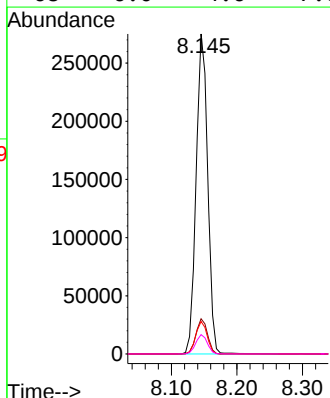
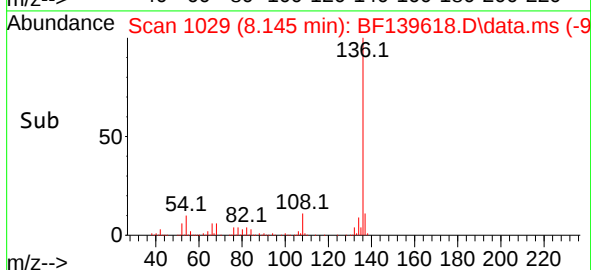
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Supervised By :mohammad ahmed 10/04/2024

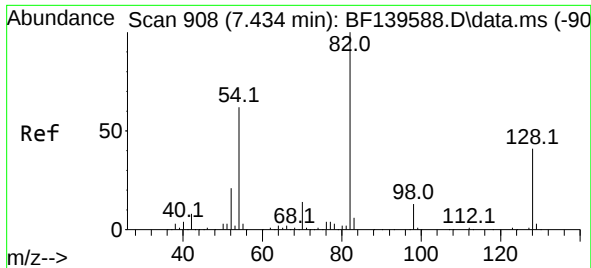


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.145 min Scan# 1029
Delta R.T. -0.006 min
Lab File: BF139618.D
Acq: 02 Oct 2024 20:38



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





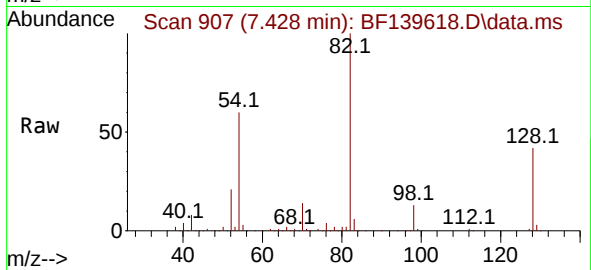
#23
Nitrobenzene-d5
Concen: 56.155 ng
RT: 7.428 min Scan# 908
Delta R.T. -0.006 min
Lab File: BF139618.D
Acq: 02 Oct 2024 20:38

Instrument :

BNA_F

ClientSampleId :

TEST-PIT-SOUTH

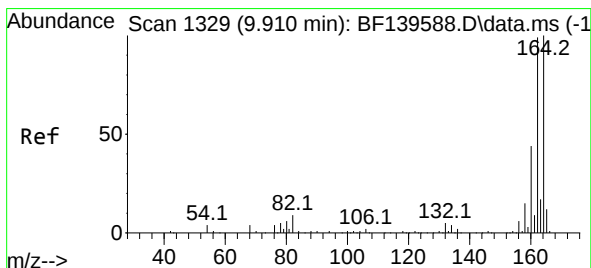
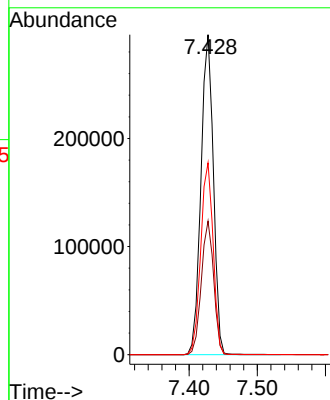
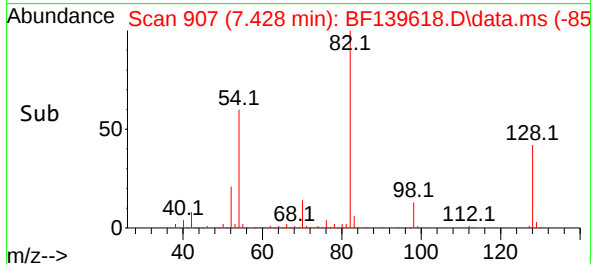


Tgt Ion: 82 Resp: 375380
Ion Ratio Lower Upper
82 100
128 41.8 32.4 48.6
54 59.9 49.1 73.7

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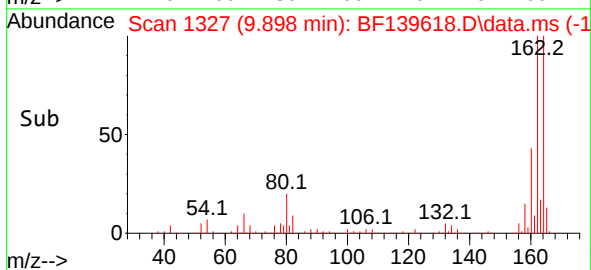
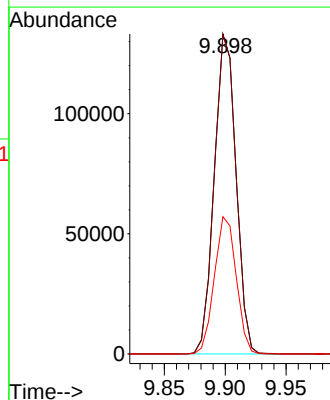
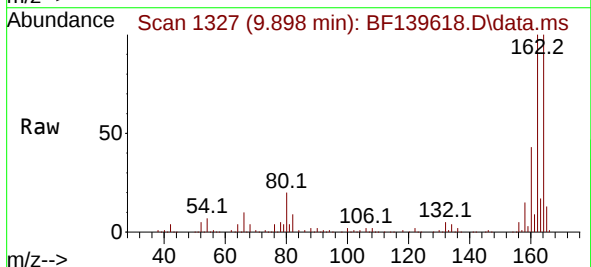
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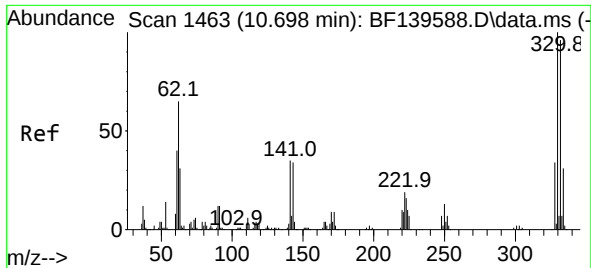
Reviewed By :Jagrut Upadhyay 10/03/2024
Supervised By :mohammad ahmed 10/04/2024



#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





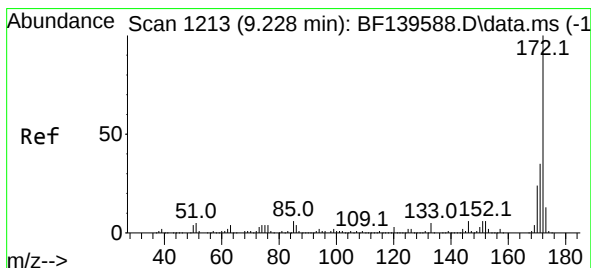
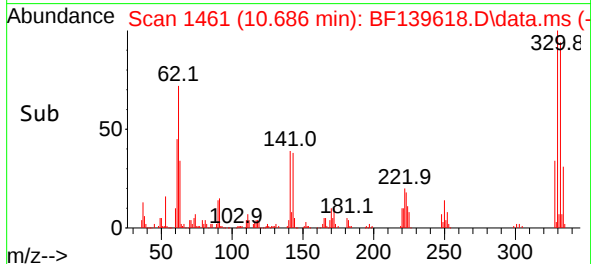
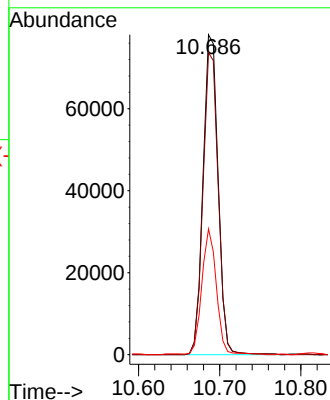
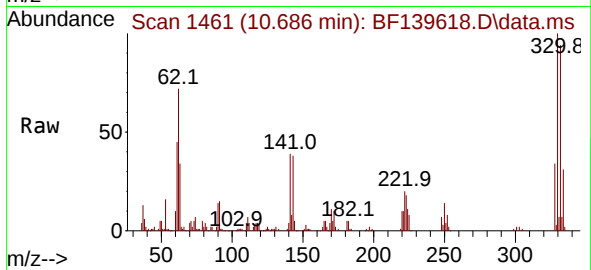
#42
2,4,6-Tribromophenol
Concen: 62.790 ng
RT: 10.686 min Scan# 1461
Delta R.T. -0.012 min
Lab File: BF139618.D
Acq: 02 Oct 2024 20:38

Instrument :
BNA_F
ClientSampleId :
TEST-PIT-SOUTH

Tgt Ion: 330 Resp: 10066
Ion Ratio Lower Upper
330 100
332 95.3 76.5 114.7
141 38.1 29.3 43.9

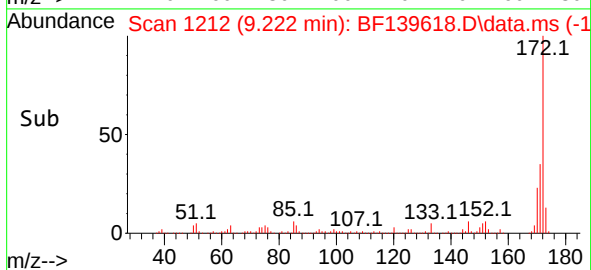
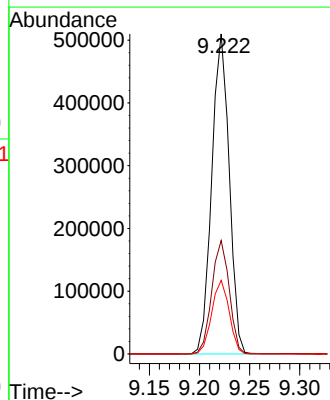
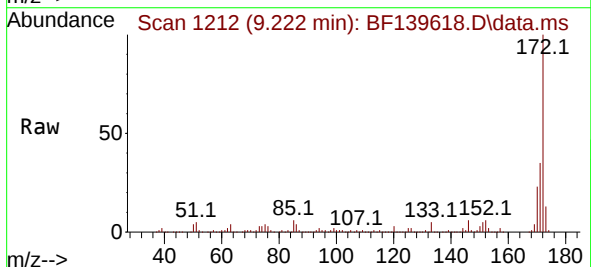
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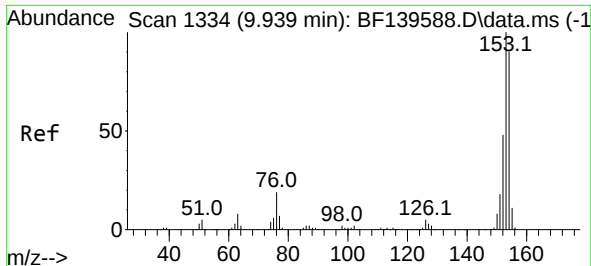
Reviewed By :Jagrut Upadhyay 10/03/2024
Supervised By :mohammad ahmed 10/04/2024



#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

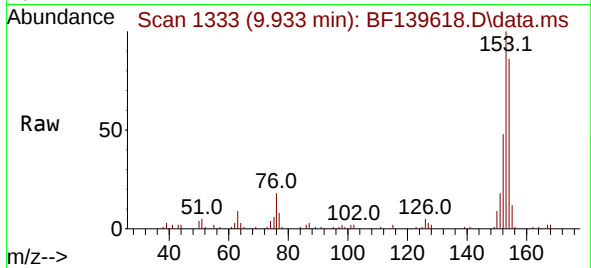
Tgt Ion: 172 Resp: 618330
Ion Ratio Lower Upper
172 100
171 35.5 28.2 42.4
170 23.0 18.8 28.2





#52
Acenaphthene
Concen: 2.375 ng
RT: 9.933 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF139618.D
Acq: 02 Oct 2024 20:38

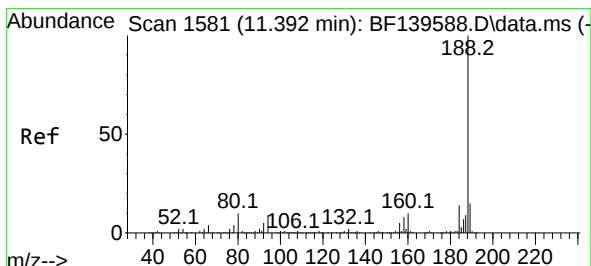
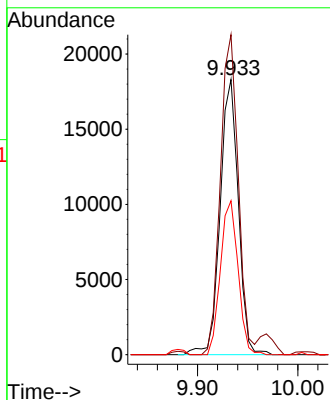
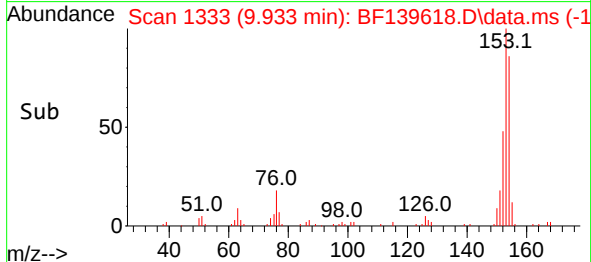
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BNA_F
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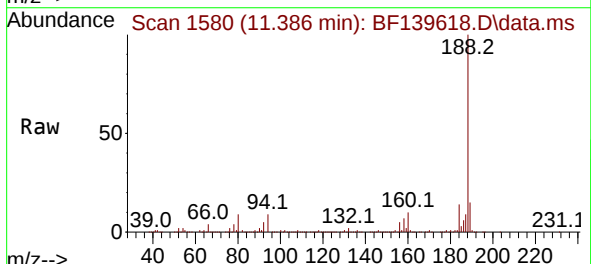
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Ion Ratio Lower Upper
154 100
153 116.3 88.8 133.2
152 55.9 42.5 63.7

Manual Integrations
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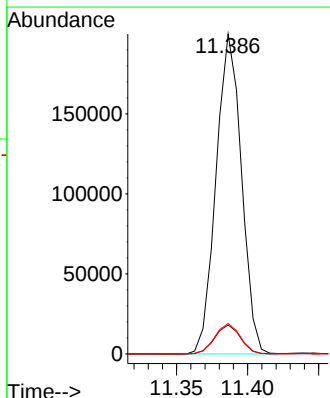
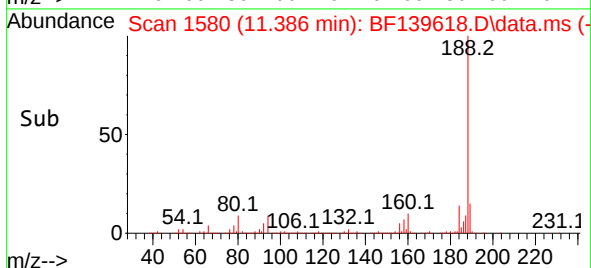
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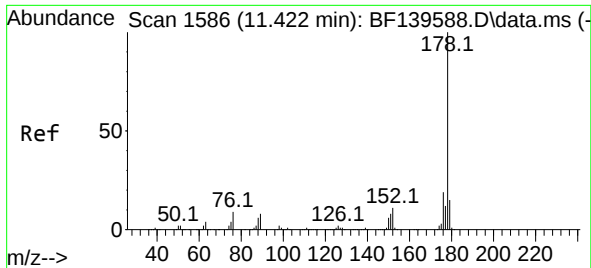


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.386 min Scan# 1580
Delta R.T. -0.006 min
Lab File: BF139618.D
Acq: 02 Oct 2024 20:38



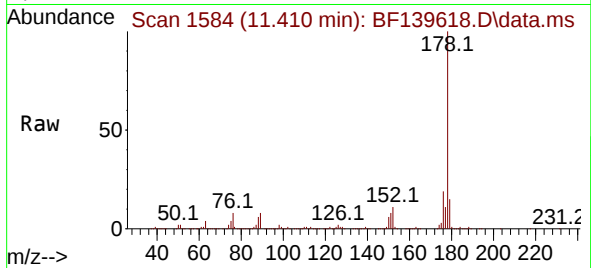
Tgt Ion:188 Resp: 248361
Ion Ratio Lower Upper
188 100
94 9.1 7.4 11.2
80 9.5 8.2 12.2





#71
Phenanthrene
Concen: 25.583 ng
RT: 11.410 min Scan# 1586
Delta R.T. -0.012 min
Lab File: BF139618.D
Acq: 02 Oct 2024 20:38

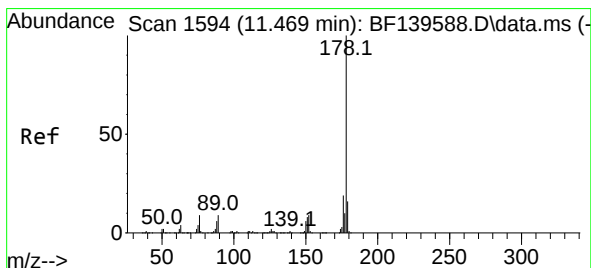
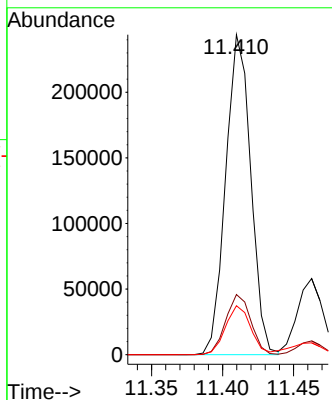
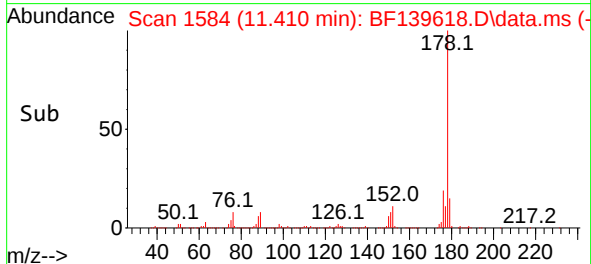
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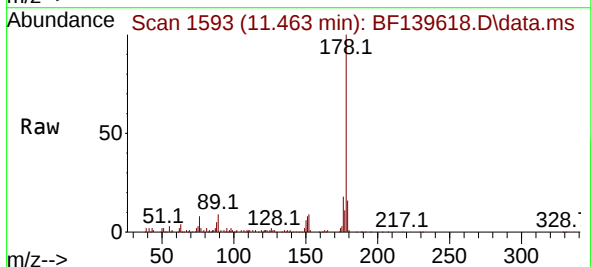
Tgt Ion:178 Resp: 299592
Ion Ratio Lower Upper
178 100
176 18.8 15.5 23.3
179 15.3 12.3 18.5

Manual Integrations
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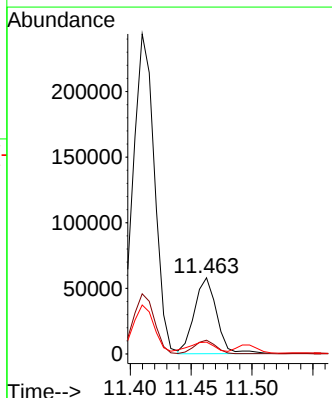
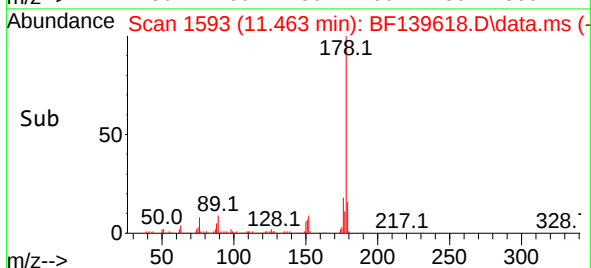
Reviewed By :Jagrut Upadhyay 10/03/2024
Supervised By :mohammad ahmed 10/04/2024

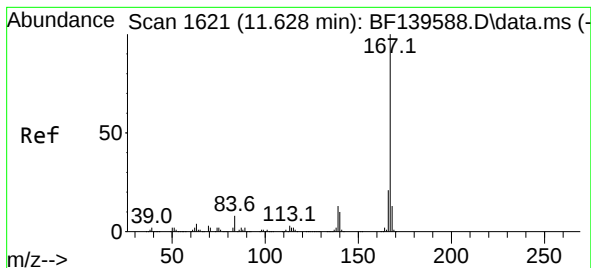


#72
Anthracene
Concen: 6.356 ng
RT: 11.463 min Scan# 1593
Delta R.T. -0.006 min
Lab File: BF139618.D
Acq: 02 Oct 2024 20:38



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 :

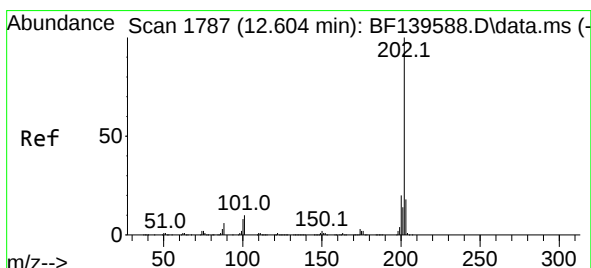
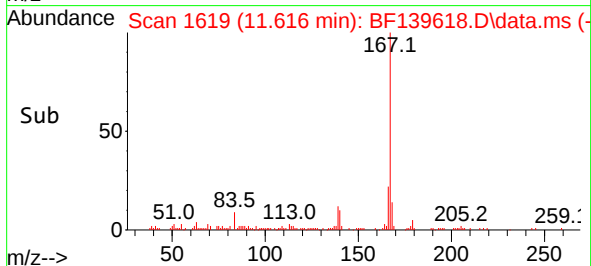
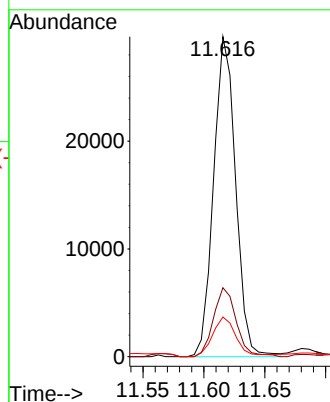
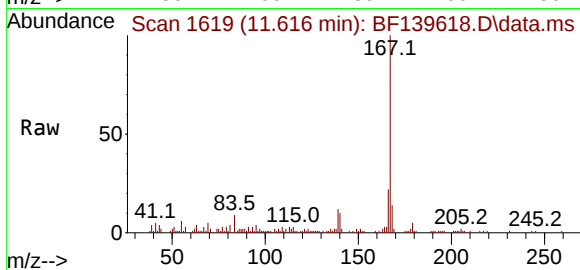
TEST-PIT-SOUTH

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

Manual Integrations

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#75

Fluoranthene

Concen: 32.401 ng

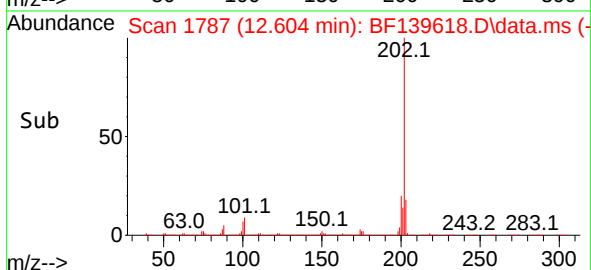
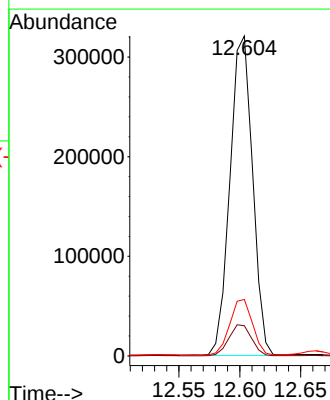
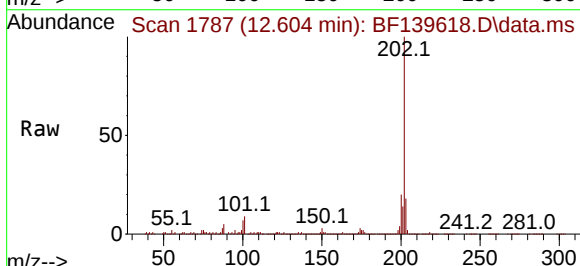
RT: 12.604 min Scan# 1787

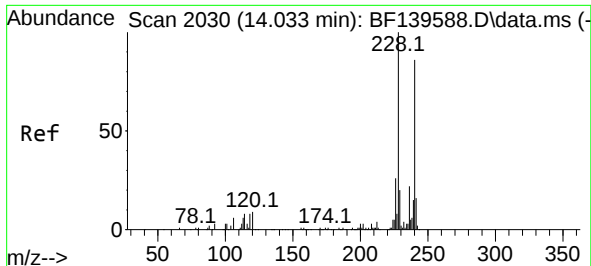
Delta R.T. -0.000 min

Lab File: BF139618.D

Acq: 02 Oct 2024 20:38

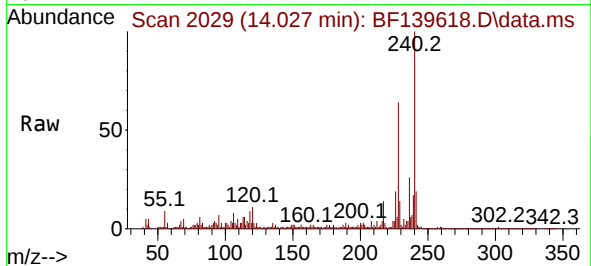
Tgt Ion:202	Resp:	414774
Ion Ratio	Lower	Upper
202	100	
101	9.4	0.0 30.2
203	17.7	0.0 37.7





#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

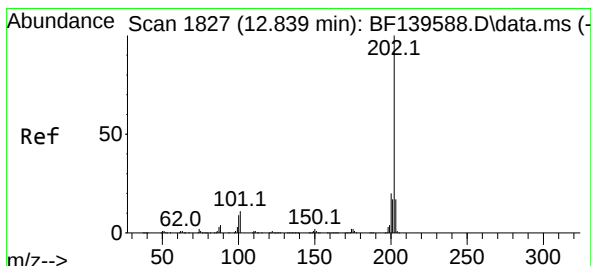
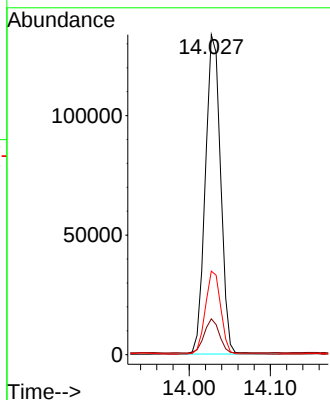
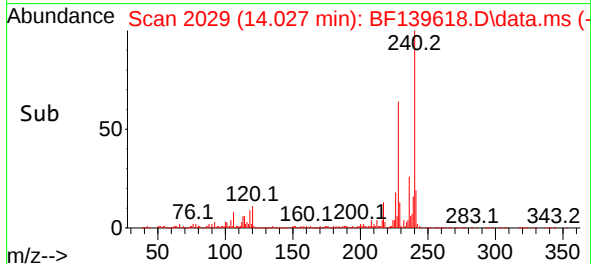
Instrument :
BNA_F
ClientSampleId :
TEST-PIT-SOUTH



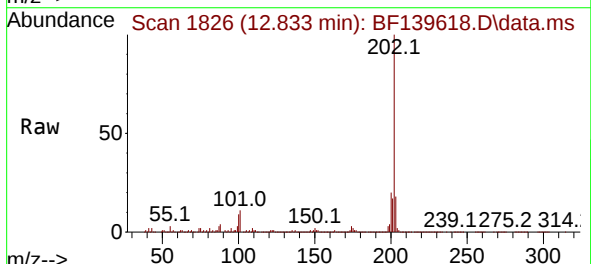
Tgt Ion:240 Resp: 17384
Ion Ratio Lower Upper
240 100
120 11.2 8.4 12.6
236 26.1 20.3 30.5

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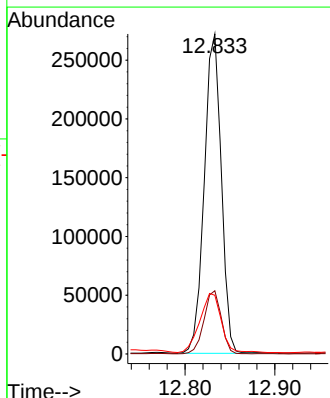
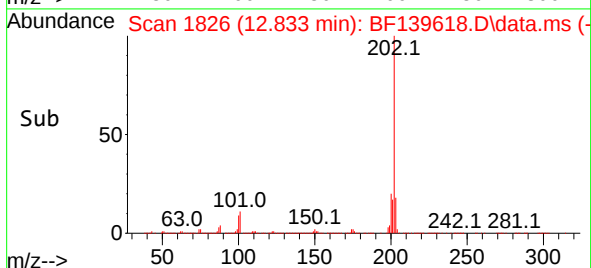
Reviewed By :Jagrut Upadhyay 10/03/2024
Supervised By :mohammad ahmed 10/04/2024

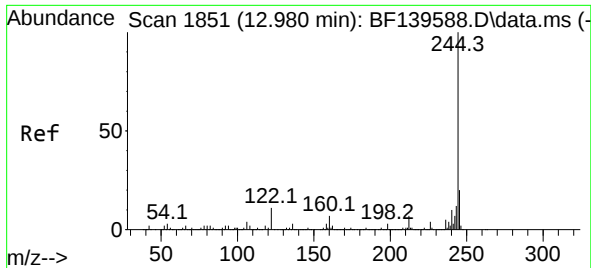


#78
Pyrene
Concen: 23.001 ng
RT: 12.833 min Scan# 1826
Delta R.T. -0.006 min
Lab File: BF139618.D
Acq: 02 Oct 2024 20:38



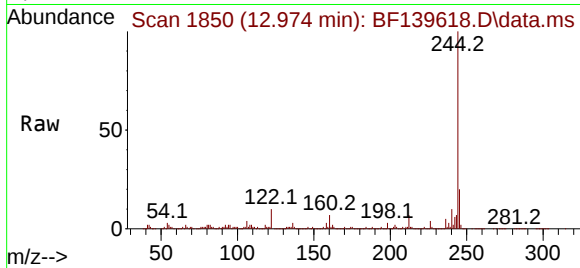
Tgt Ion:202 Resp: 357633
Ion Ratio Lower Upper
202 100
200 19.8 15.8 23.6
203 18.4 13.8 20.8





#79
 Terphenyl-d14
 Concen: 41.904 ng
 RT: 12.974 min Scan# 1850
 Delta R.T. -0.006 min
 Lab File: BF139618.D
 Acq: 02 Oct 2024 20:38

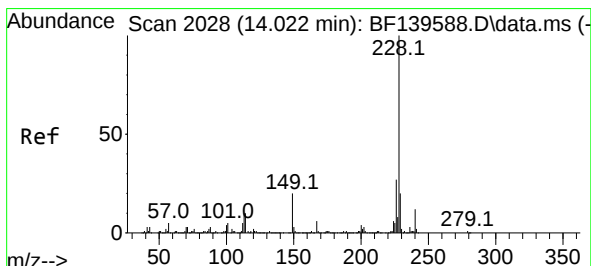
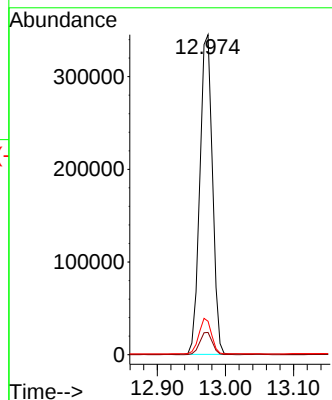
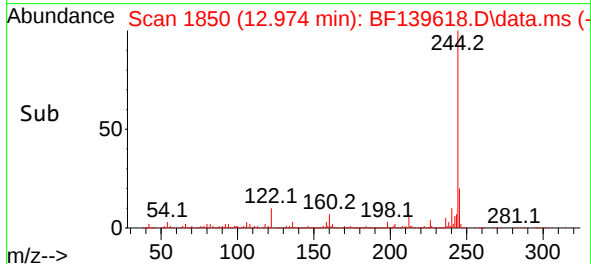
Instrument :
 BNA_F
 ClientSampleId :
 TEST-PIT-SOUTH



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

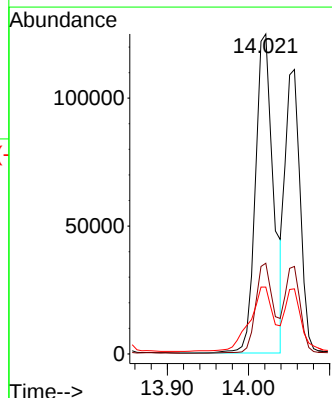
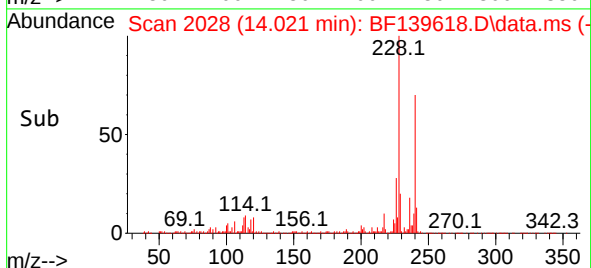
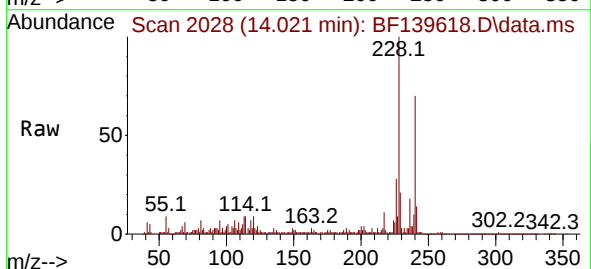
Manual Integrations
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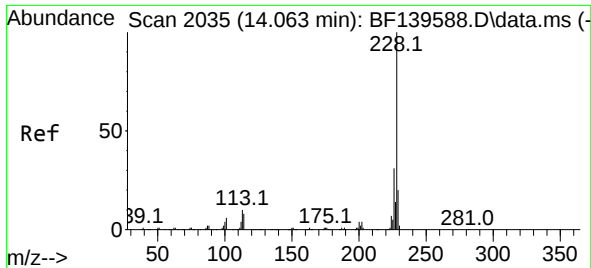
Reviewed By :Jagrut Upadhyay 10/03/2024
 Supervised By :mohammad ahmed 10/04/2024



#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

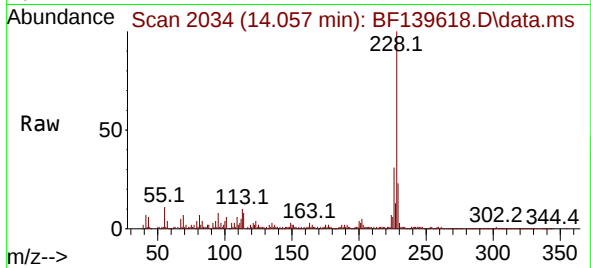
Tgt Ion:228 Resp: 192626
 Ion Ratio Lower Upper
 228 100
 226 28.4 21.8 32.8
 229 20.9 15.8 23.8





#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

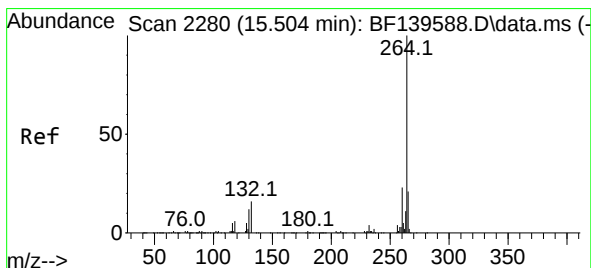
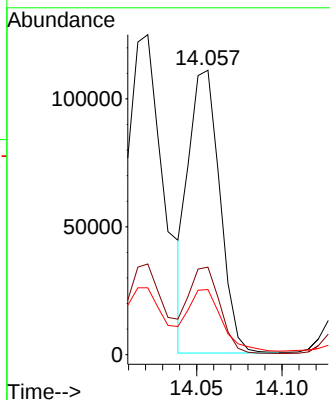
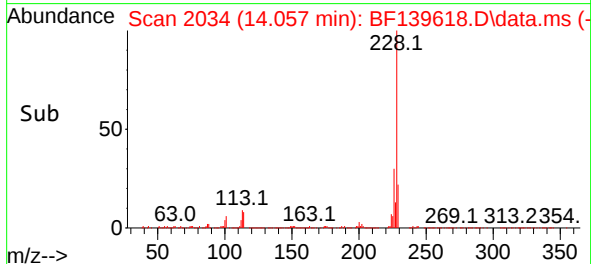
Instrument :
BNA_F
ClientSampleId :
TEST-PIT-SOUTH



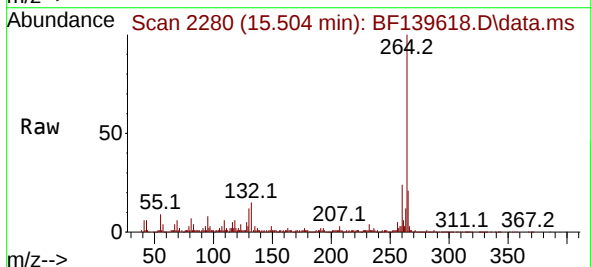
Tgt Ion:228 Resp: 14104
Ion Ratio Lower Upper
228 100
226 30.7 24.3 36.5
229 22.9 15.7 23.5

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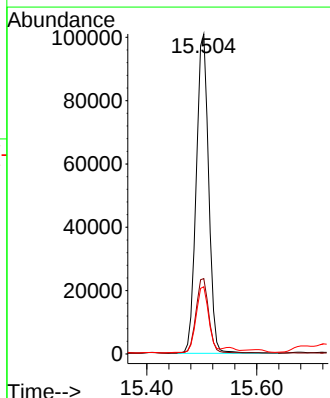
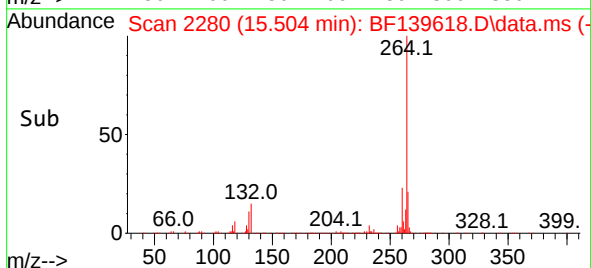
Reviewed By :Jagrut Upadhyay 10/03/2024
Supervised By :mohammad ahmed 10/04/2024

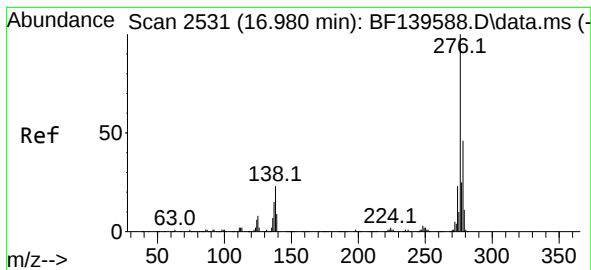


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.504 min Scan# 2280
Delta R.T. -0.000 min
Lab File: BF139618.D
Acq: 02 Oct 2024 20:38



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# 2531

Delta R.T. -0.018 min

Lab File: BF139618.D

Acq: 02 Oct 2024 20:38

Instrument :

BNA_F

ClientSampleId :

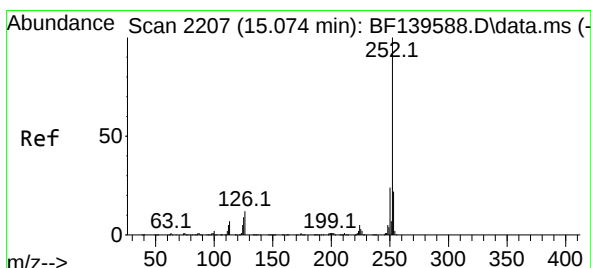
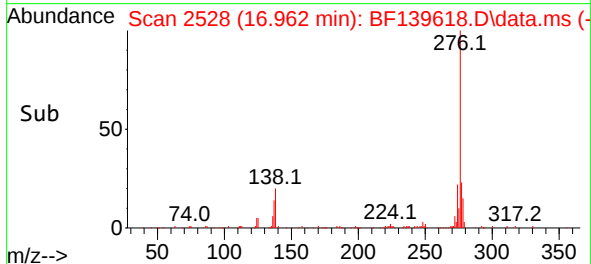
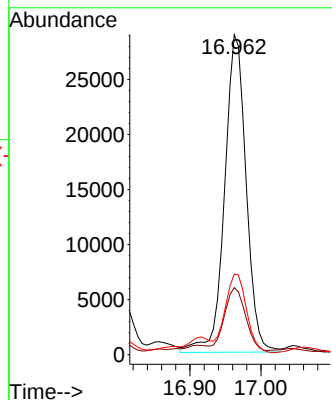
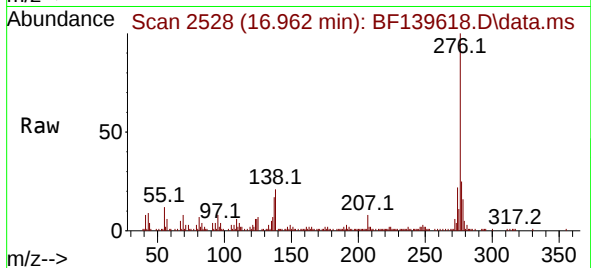
TEST-PIT-SOUTH

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

Manual Integrations

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Reviewed By :Jagrut Upadhyay 10/03/2024
 Supervised By :mohammad ahmed 10/04/2024



#88

Benzo(b)fluoranthene

Concen: 16.627 ng m

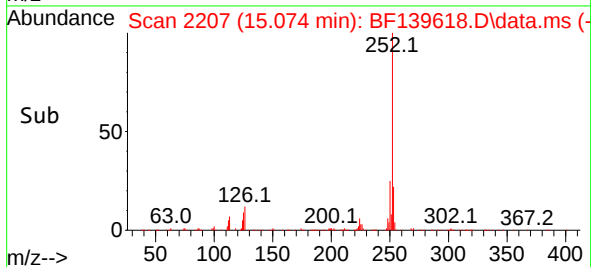
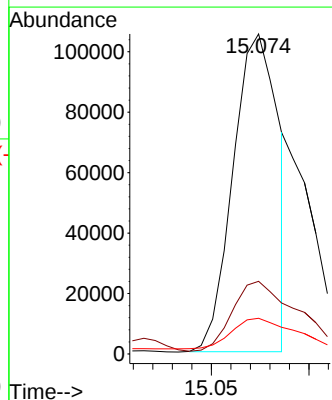
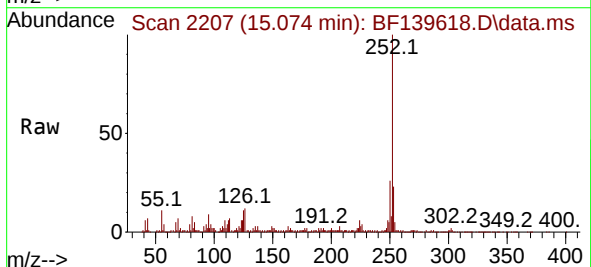
RT: 15.074 min Scan# 2207

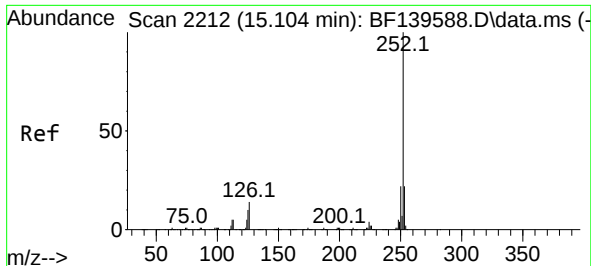
Delta R.T. -0.000 min

Lab File: BF139618.D

Acq: 02 Oct 2024 20:38

Tgt Ion:252 Resp: 169837
 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: 7.661 ng m

RT: 15.086 min Scan# 2212

Delta R.T. -0.018 min

Lab File: BF139618.D

Acq: 02 Oct 2024 20:38

Instrument :

BNA_F

ClientSampleId :

TEST-PIT-SOUTH

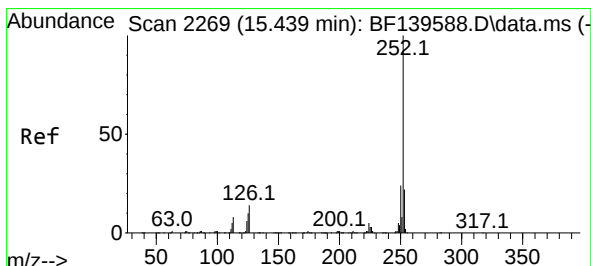
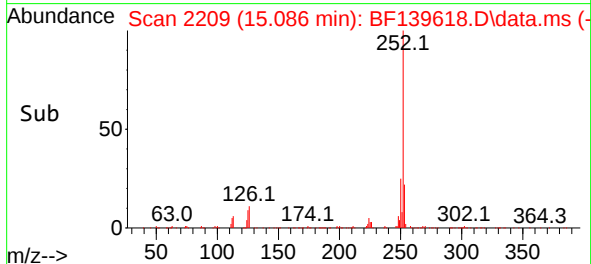
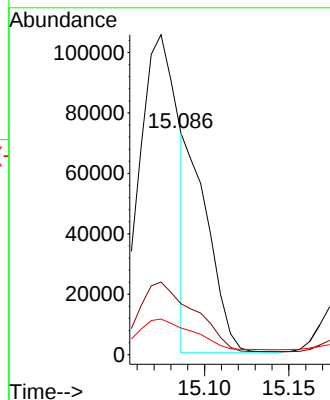
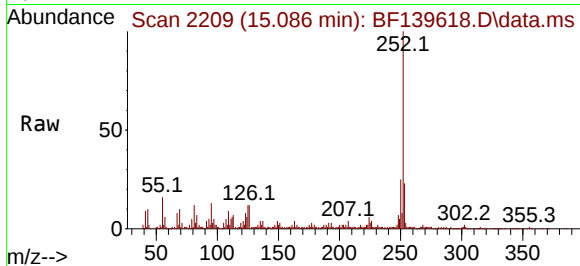
Tgt Ion:252 Resp: 66370

Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.5	26.3
125	12.1	7.6	11.4

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 10/03/2024
Supervised By :mohammad ahmed 10/04/2024



#90

Benzo(a)pyrene

Concen: 15.247 ng

RT: 15.439 min Scan# 2269

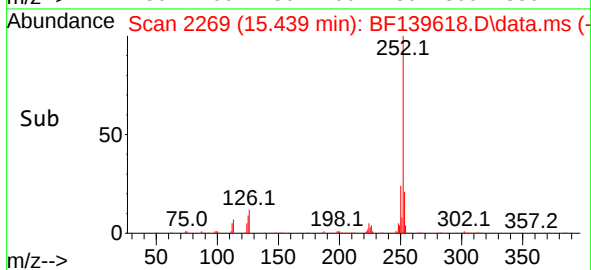
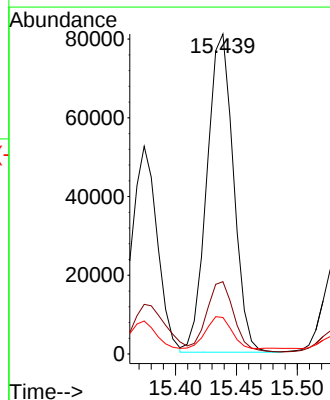
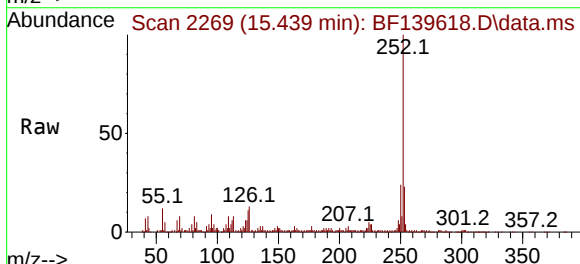
Delta R.T. -0.000 min

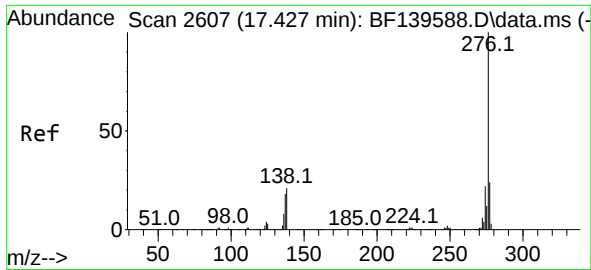
Lab File: BF139618.D

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

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 10/03/2024

Supervised By :mohammad ahmed 10/04/2024

