

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091824\
 Data File : BF139446.D
 Acq On : 19 Sep 2024 01:00
 Operator : RC/JU
 Sample : P4002-01
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-1

Manual Integrations
 APPROVED

Reviewed By :Jagrut
 Upadhyay

09/19/2024
 Supervised By :mohammad
 ahmed

Quant Time: Sep 19 01:32:50 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091324.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Sep 14 02:58:23 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	65154	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	212113	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	94196	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	160811	20.000	ng	0.00
76) Chrysene-d12	14.033	240	104428	20.000	ng	0.00
86) Perylene-d12	15.504	264	83716	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	311613	78.023	ng	0.00
7) Phenol-d6	6.504	99	396763	75.686	ng	0.00
23) Nitrobenzene-d5	7.439	82	252347	55.929	ng	0.00
42) 2,4,6-Tribromophenol	10.698	330	69607	69.411	ng	0.00
45) 2-Fluorobiphenyl	9.233	172	402479	59.927	ng	0.00
79) Terphenyl-d14	12.980	244	365147	57.393	ng	0.00
Target Compounds						
						Qvalue
31) Naphthalene	8.181	128	44705	4.037	ng	99
37) 2-Methylnaphthalene	8.869	142	15206	2.163	ng	96
52) Acenaphthene	9.945	154	17392	3.055	ng	98
55) Dibenzofuran	10.116	168	21925	2.763	ng	# 98
58) Fluorene	10.457	166	22166	3.424	ng	# 96
71) Phenanthrene	11.422	178	252701	32.571	ng	99
72) Anthracene	11.474	178	64080	8.448	ng	98
73) Carbazole	11.627	167	25212	3.473	ng	98
75) Fluoranthene	12.610	202	421872	50.918	ng	99
78) Pyrene	12.839	202	355254	39.620	ng	99
81) Benzo(a)anthracene	14.021	228	152142	21.994	ng	95
83) Chrysene	14.063	228	156595	24.607	ng	97
87) Indeno(1,2,3-cd)pyrene	16.974	276	72136	14.491	ng	96
88) Benzo(b)fluoranthene	15.080	252	182213m	35.292	ng	
89) Benzo(k)fluoranthene	15.092	252	63427m	13.324	ng	
90) Benzo(a)pyrene	15.445	252	117991	27.555	ng	99
91) Dibenzo(a,h)anthracene	16.986	278	17949	4.363	ng	# 86
92) Benzo(g,h,i)perylene	17.421	276	70384	17.281	ng	97

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

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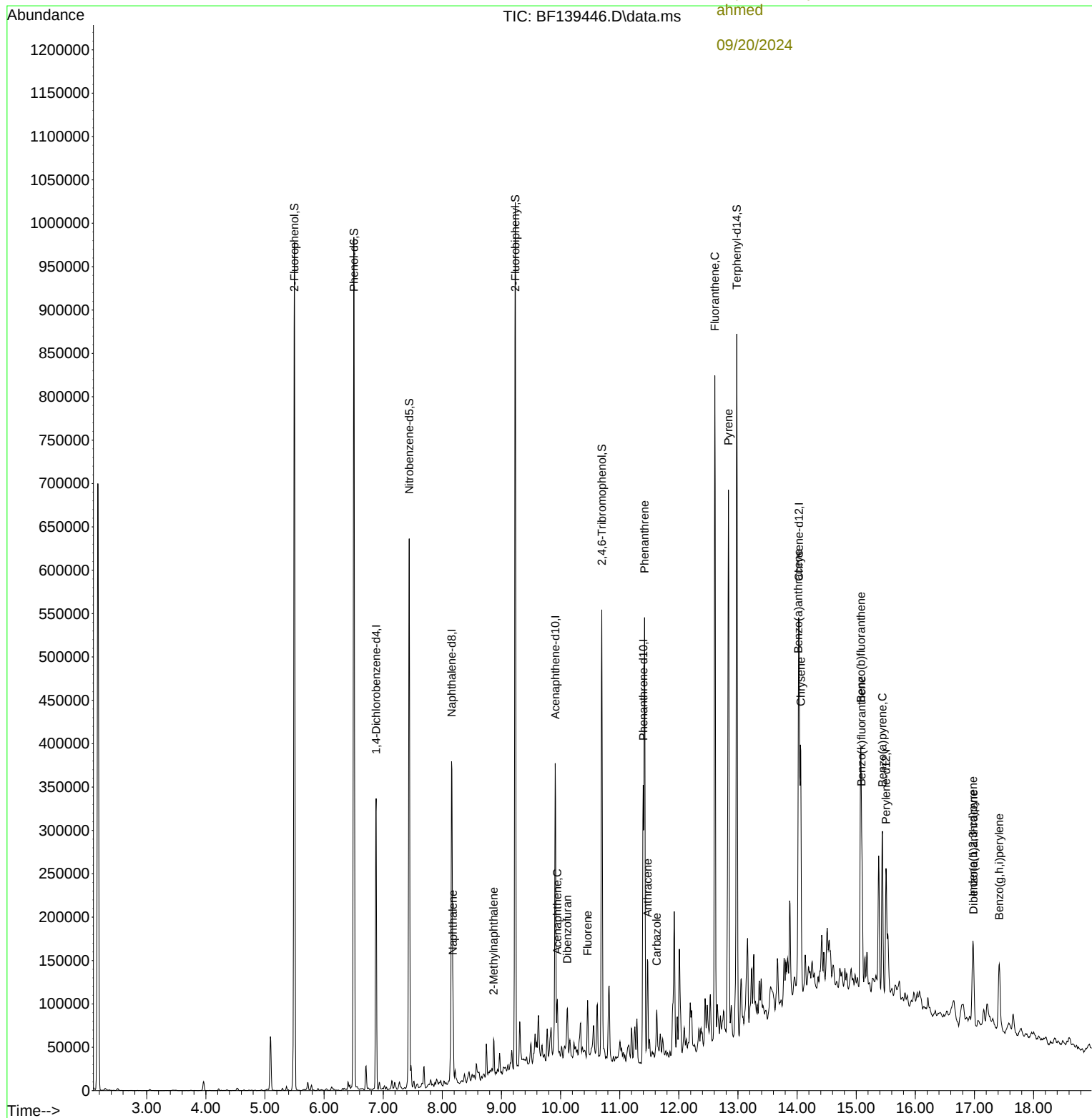
Quant Time: Sep 19 01:32:50 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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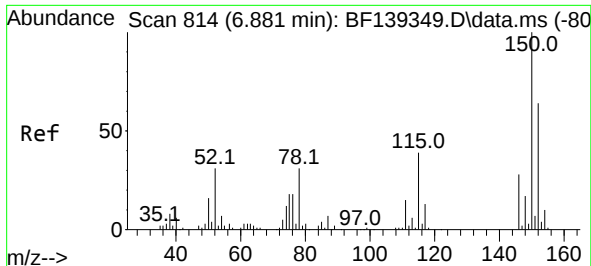
Manual Integrations
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Upadhyay

09/19/2024
Supervised By :mohammad
ahmed

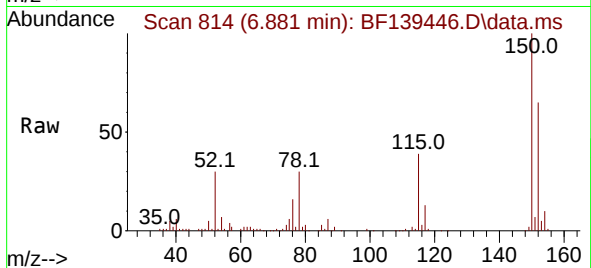
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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 814
Delta R.T. -0.000 min
Lab File: BF139446.D
Acq: 19 Sep 2024 01:00

Instrument :
BNA_F
ClientSampleId :
TP-1



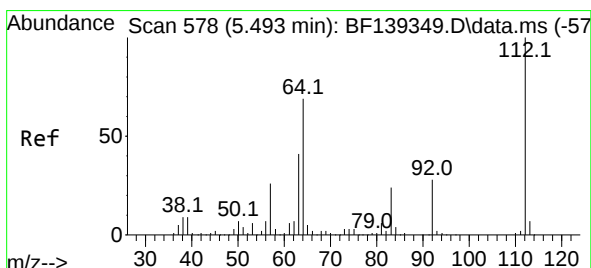
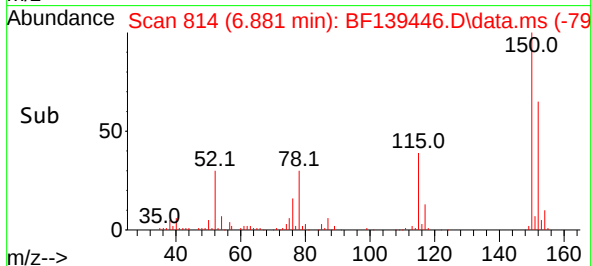
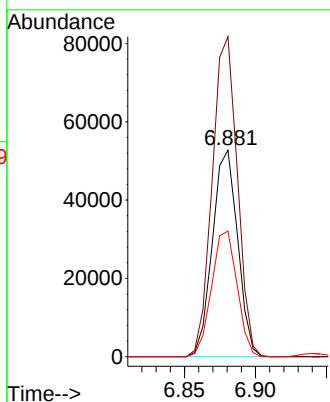
Tgt Ion:152 Resp: 65154
Ion Ratio Lower Upper
152 100
150 155.0 124.1 186.1
115 60.8 48.1 72.1

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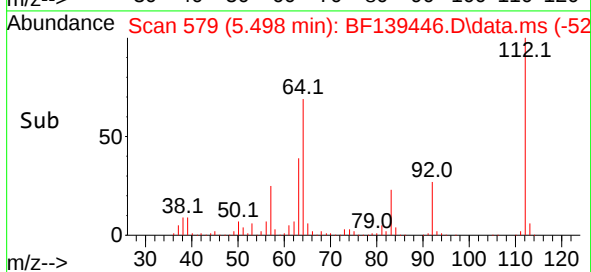
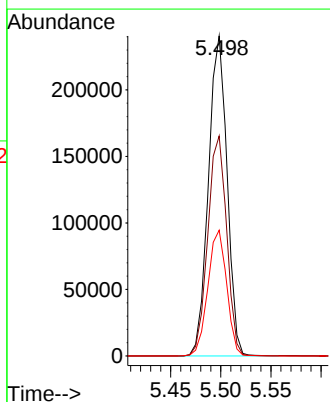
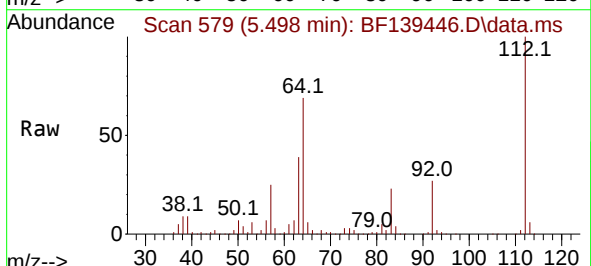
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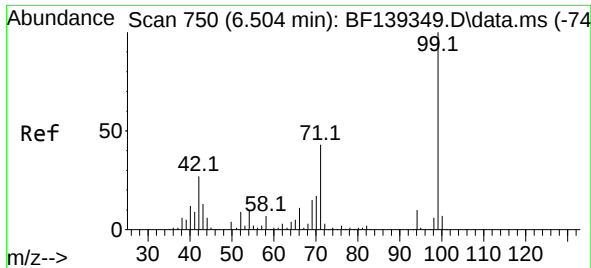
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#5
2-Fluorophenol
Concen: 78.023 ng
RT: 5.498 min Scan# 579
Delta R.T. 0.005 min
Lab File: BF139446.D
Acq: 19 Sep 2024 01:00

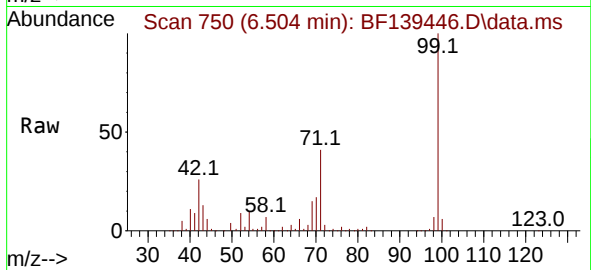
Tgt Ion:112 Resp: 311613
Ion Ratio Lower Upper
112 100
64 68.8 54.8 82.2
63 39.3 33.0 49.4





#7
Phenol-d6
Concen: 75.686 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF139446.D
Acq: 19 Sep 2024 01:00

Instrument :
BNA_F
ClientSampleId :
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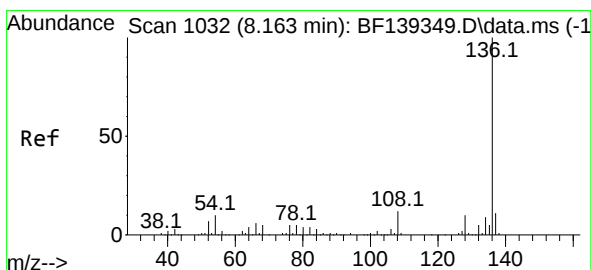
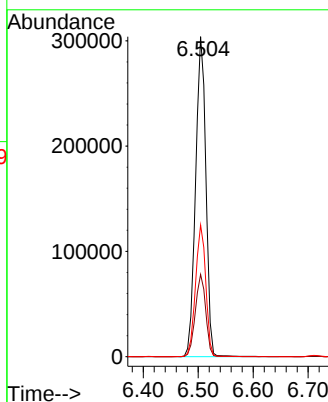
Tgt Ion: 99 Resp: 39676
Ion Ratio Lower Upper
99 100
42 25.7 21.9 32.9
71 41.1 34.6 52.0

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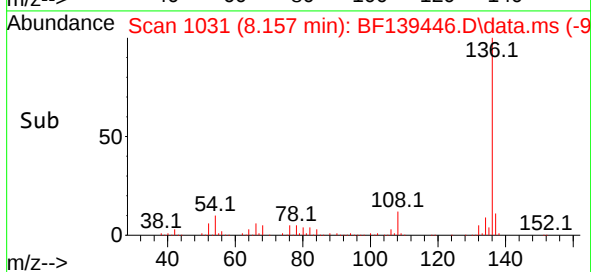
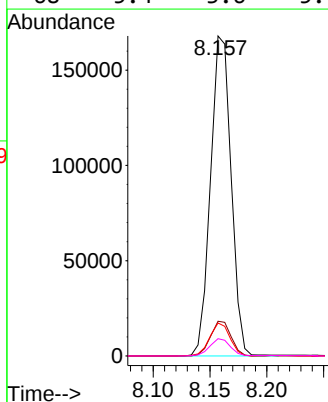
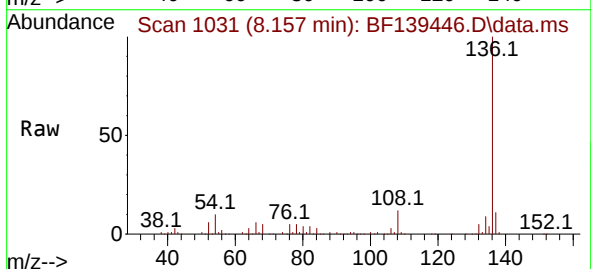
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ahmed

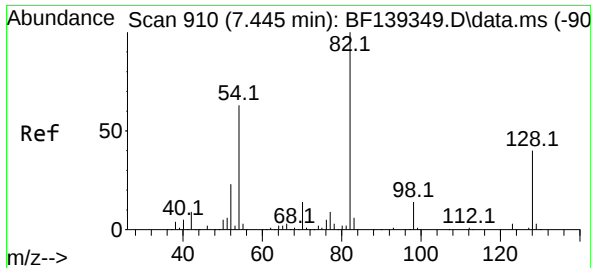
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#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1031
Delta R.T. -0.006 min
Lab File: BF139446.D
Acq: 19 Sep 2024 01:00

Tgt Ion:136 Resp: 212113
Ion Ratio Lower Upper
136 100
137 10.9 8.6 12.8
54 10.3 7.8 11.8
68 5.4 3.6 5.4





#23

Nitrobenzene-d5

Concen: 55.929 ng

RT: 7.439 min Scan# 909

Delta R.T. -0.006 min

Lab File: BF139446.D

Acq: 19 Sep 2024 01:00

Instrument :

BNA_F

ClientSampleId :

TP-1

Tgt Ion: 82 Resp: 25234

Ion	Ratio	Lower	Upper
82	100		
128	40.4	31.8	47.6
54	63.4	50.6	75.8

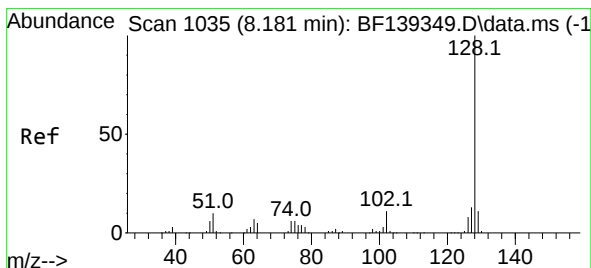
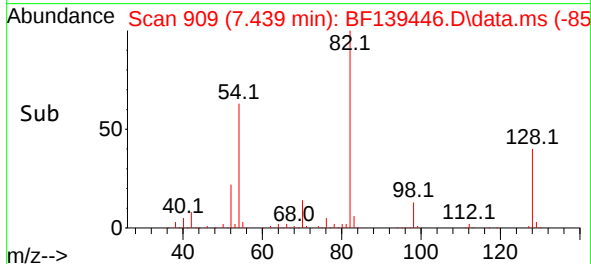
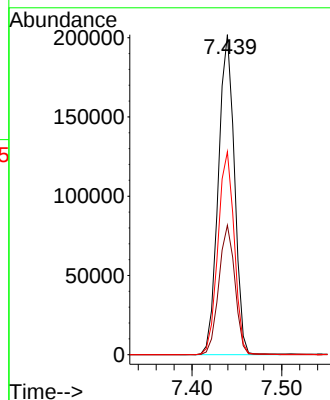
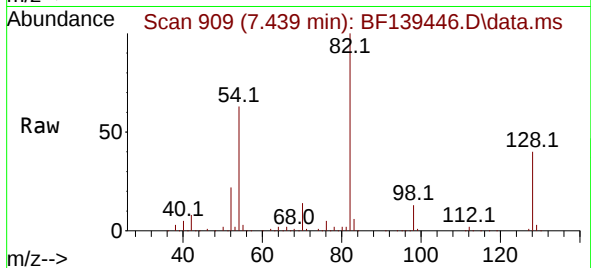
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#31

Naphthalene

Concen: 4.037 ng

RT: 8.181 min Scan# 1035

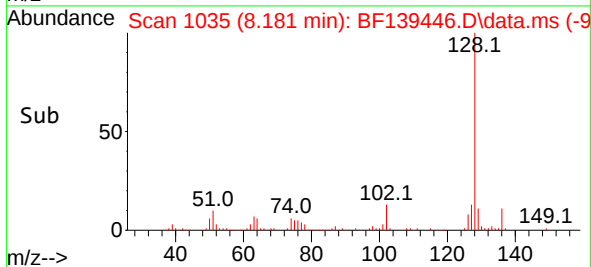
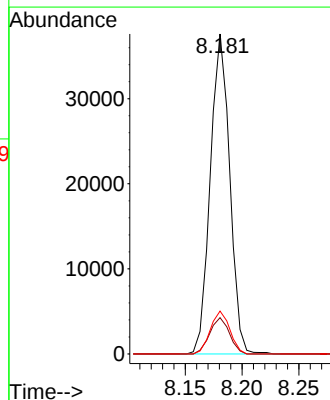
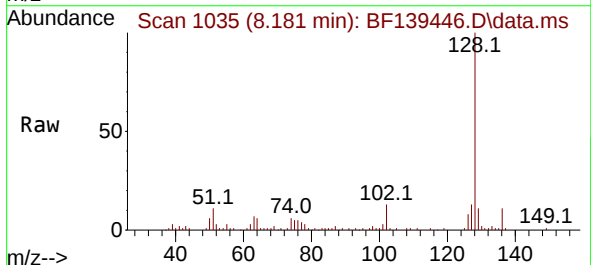
Delta R.T. -0.000 min

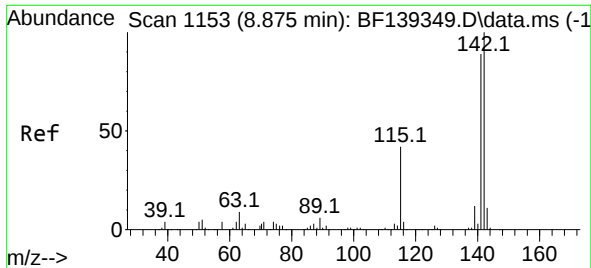
Lab File: BF139446.D

Acq: 19 Sep 2024 01:00

Tgt Ion:128 Resp: 44705

Ion	Ratio	Lower	Upper
128	100		
129	11.3	8.6	13.0
127	13.4	10.6	16.0





#37
2-Methylnaphthalene
Concen: 2.163 ng
RT: 8.869 min Scan# 1153
Delta R.T. -0.006 min
Lab File: BF139446.D
Acq: 19 Sep 2024 01:00

Instrument :
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ClientSampleId :
TP-1

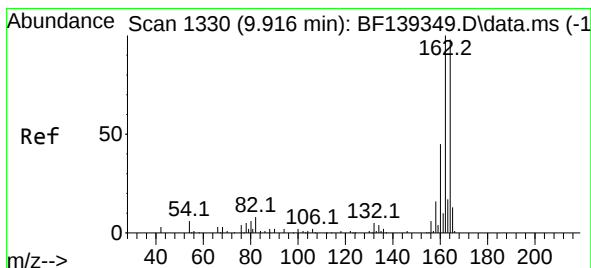
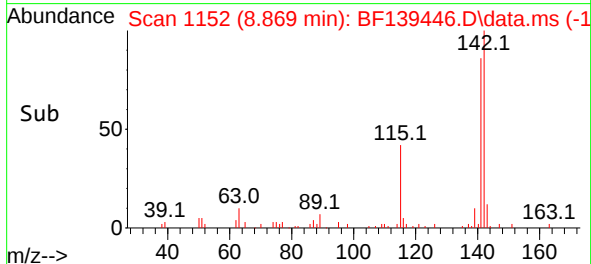
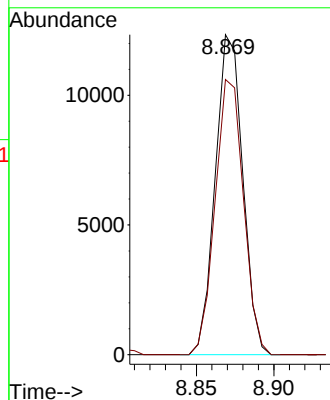
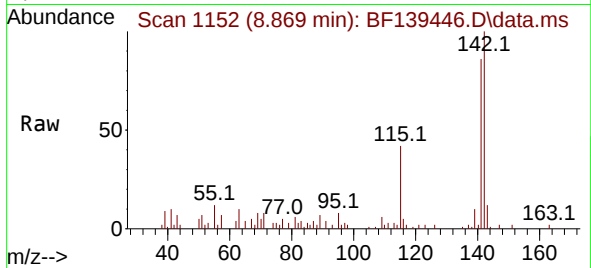
Tgt Ion:142 Resp: 15200
Ion Ratio Lower Upper
142 100
141 86.0 71.6 107.4

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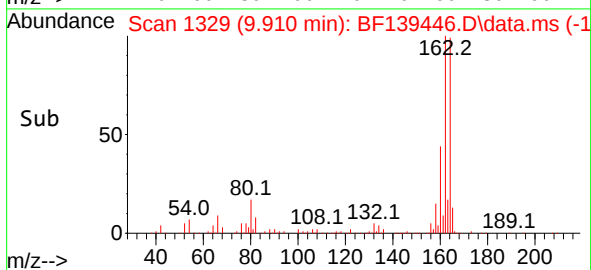
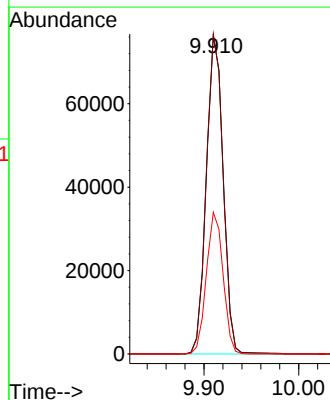
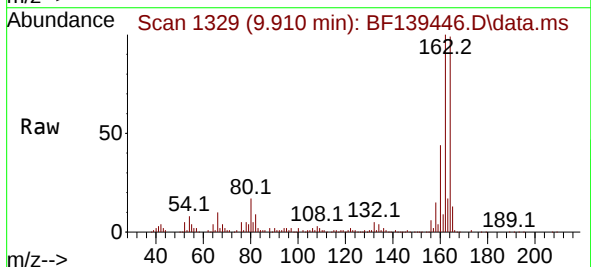
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ahmed

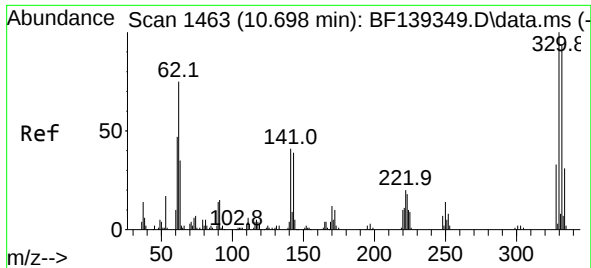
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.910 min Scan# 1329
Delta R.T. -0.006 min
Lab File: BF139446.D
Acq: 19 Sep 2024 01:00

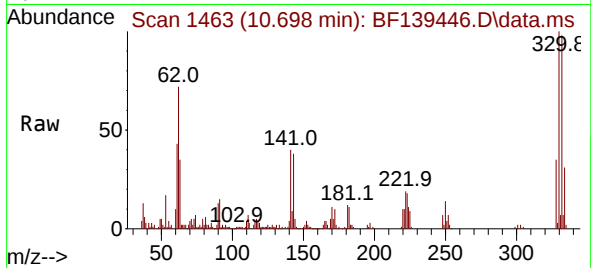
Tgt Ion:164 Resp: 94196
Ion Ratio Lower Upper
164 100
162 100.6 81.3 121.9
160 44.5 36.4 54.6





#42
2,4,6-Tribromophenol
Concen: 69.411 ng
RT: 10.698 min Scan# 1463
Delta R.T. -0.000 min
Lab File: BF139446.D
Acq: 19 Sep 2024 01:00

Instrument :
BNA_F
ClientSampleId :
TP-1



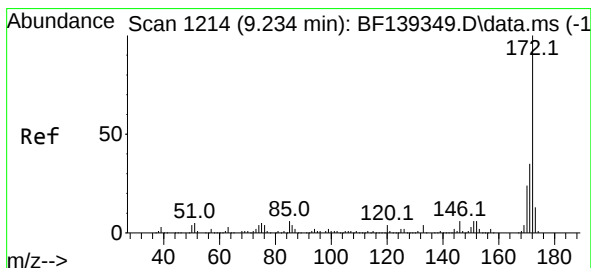
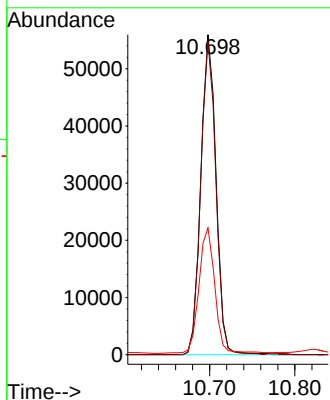
Tgt Ion:330 Resp: 6960
Ion Ratio Lower Upper
330 100
332 96.9 75.2 112.8
141 40.8 31.2 46.8

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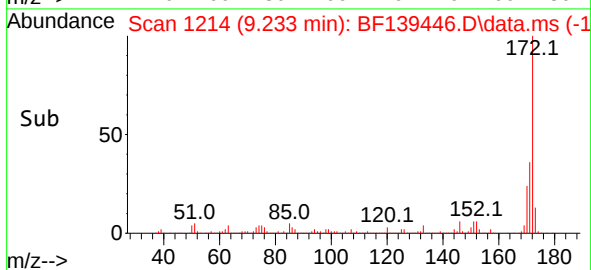
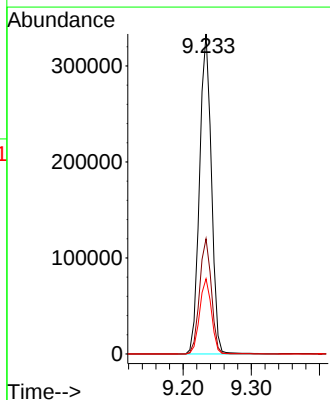
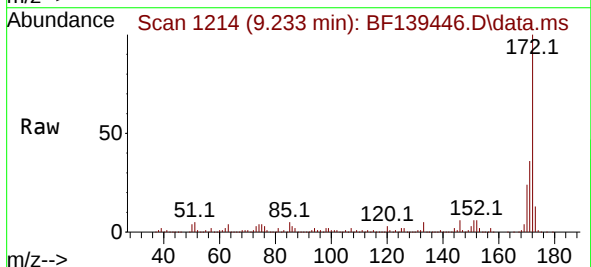
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ahmed

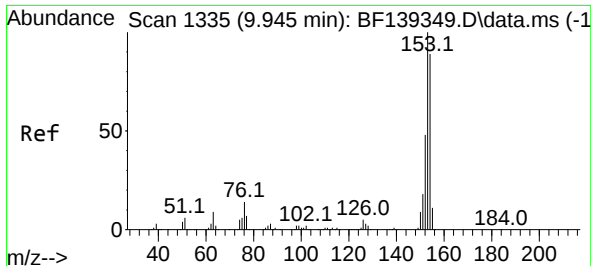
09/20/2024



#45
2-Fluorobiphenyl
Concen: 59.927 ng
RT: 9.233 min Scan# 1214
Delta R.T. -0.000 min
Lab File: BF139446.D
Acq: 19 Sep 2024 01:00

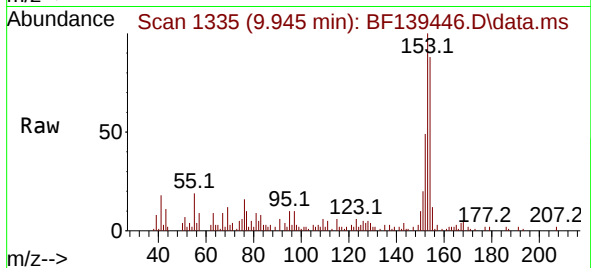
Tgt Ion:172 Resp: 402479
Ion Ratio Lower Upper
172 100
171 36.0 28.3 42.5
170 23.5 19.0 28.6





#52
Acenaphthene
Concen: 3.055 ng
RT: 9.945 min Scan# 1335
Delta R.T. -0.000 min
Lab File: BF139446.D
Acq: 19 Sep 2024 01:00

Instrument :
BNA_F
ClientSampleId :
TP-1



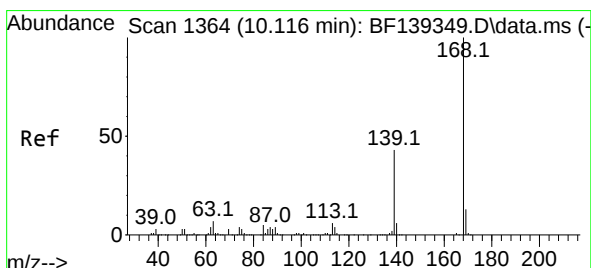
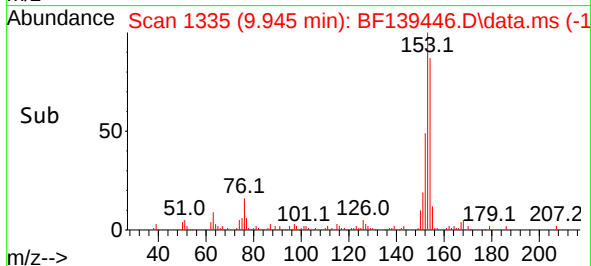
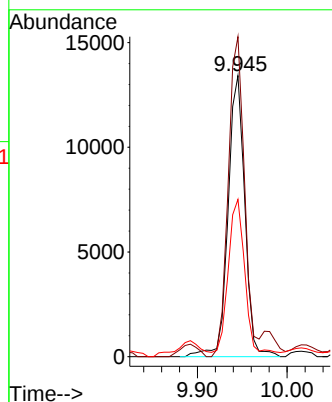
Tgt Ion:154 Resp: 17392
Ion Ratio Lower Upper
154 100
153 113.9 89.5 134.3
152 56.0 42.6 64.0

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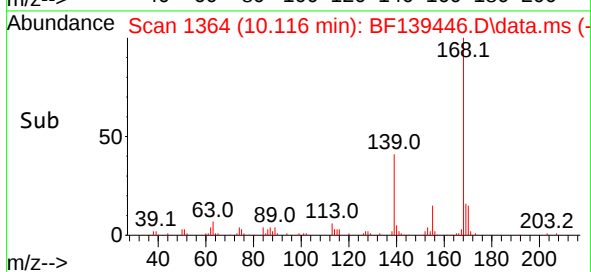
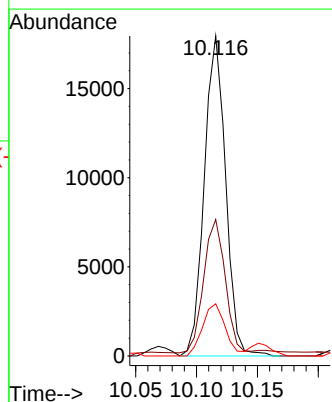
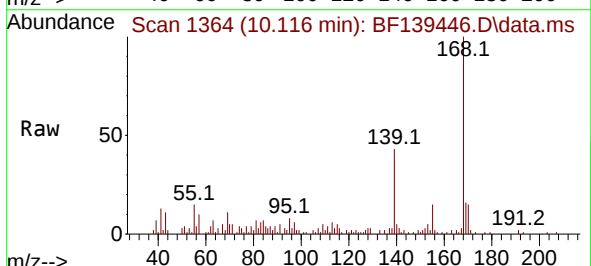
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ahmed

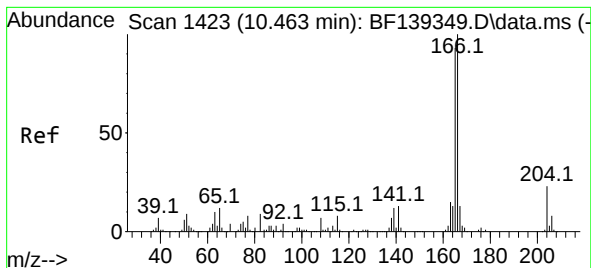
09/20/2024



#55
Dibenzofuran
Concen: 2.763 ng
RT: 10.116 min Scan# 1364
Delta R.T. -0.000 min
Lab File: BF139446.D
Acq: 19 Sep 2024 01:00

Tgt Ion:168 Resp: 21925
Ion Ratio Lower Upper
168 100
139 42.7 34.1 51.1
169 16.3 10.5 15.7#





#58

Fluorene

Concen: 3.424 ng

RT: 10.457 min Scan# 1423

Delta R.T. -0.006 min

Lab File: BF139446.D

Acq: 19 Sep 2024 01:00

Instrument :

BNA_F

ClientSampleId :

TP-1

Tgt Ion:166 Resp: 22160
 Ion Ratio Lower Upper
 166 100
 165 96.9 74.5 111.7
 167 16.6 10.6 16.0

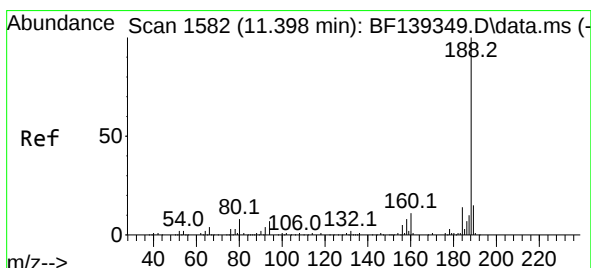
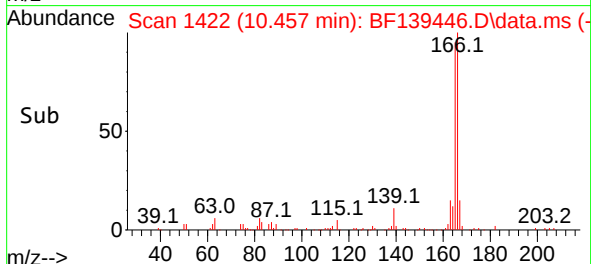
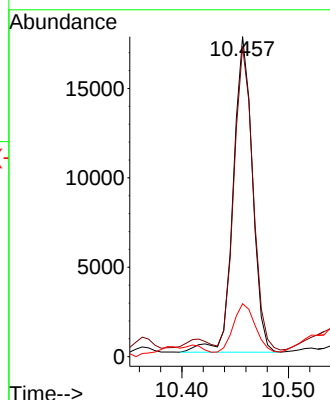
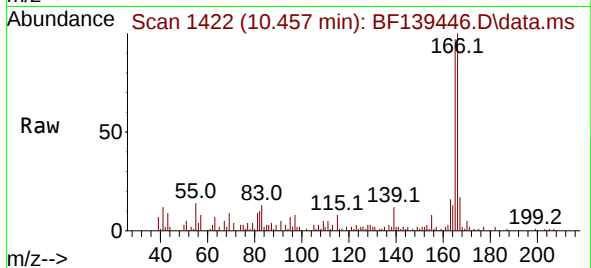
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#64

Phenanthrene-d10

Concen: 20.000 ng

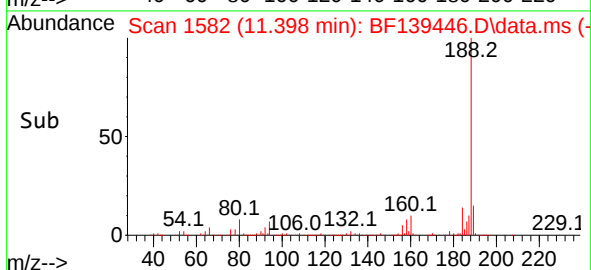
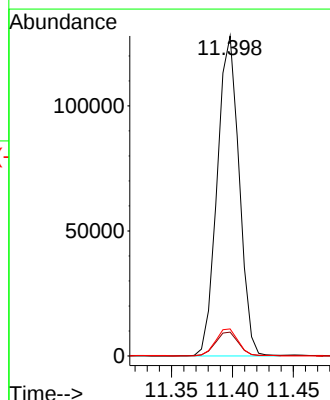
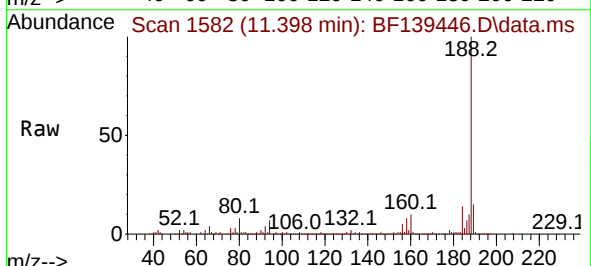
RT: 11.398 min Scan# 1582

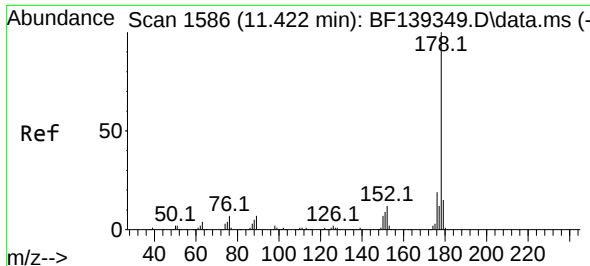
Delta R.T. -0.000 min

Lab File: BF139446.D

Acq: 19 Sep 2024 01:00

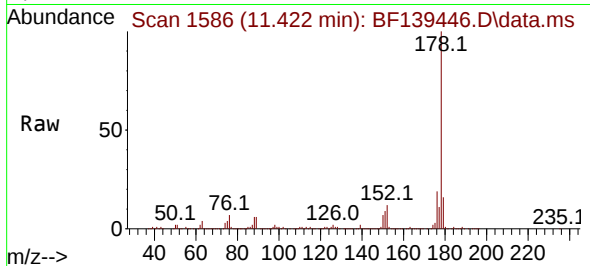
Tgt Ion:188 Resp: 160811
 Ion Ratio Lower Upper
 188 100
 94 7.5 5.5 8.3
 80 8.4 6.6 9.8





#71
Phenanthrene
Concen: 32.571 ng
RT: 11.422 min Scan# 1586
Delta R.T. -0.000 min
Lab File: BF139446.D
Acq: 19 Sep 2024 01:00

Instrument :
BNA_F
ClientSampleId :
TP-1



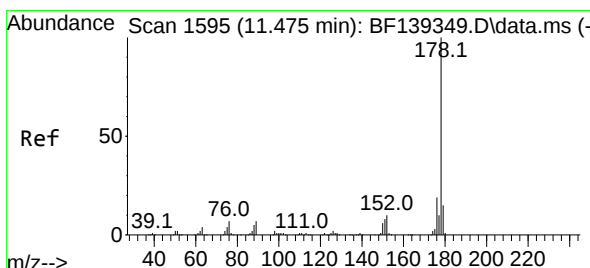
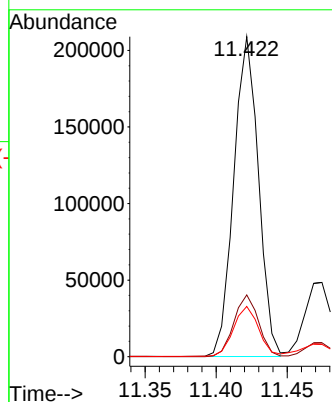
Tgt Ion:178 Resp: 25270
Ion Ratio Lower Upper
178 100
176 19.3 15.2 22.8
179 15.7 12.2 18.4

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Upadhyay

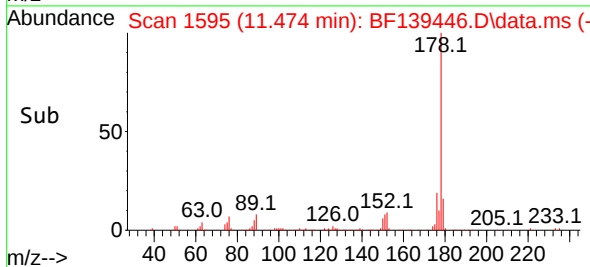
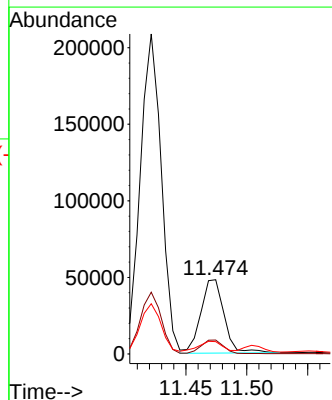
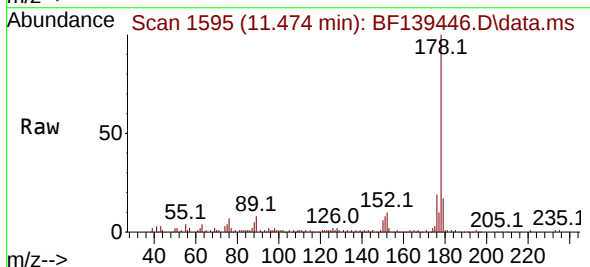
09/19/2024
Supervised By :mohammad
ahmed

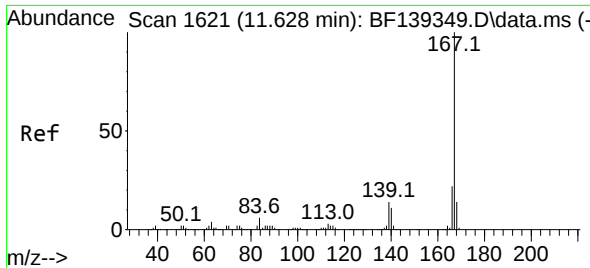
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#72
Anthracene
Concen: 8.448 ng
RT: 11.474 min Scan# 1595
Delta R.T. -0.000 min
Lab File: BF139446.D
Acq: 19 Sep 2024 01:00

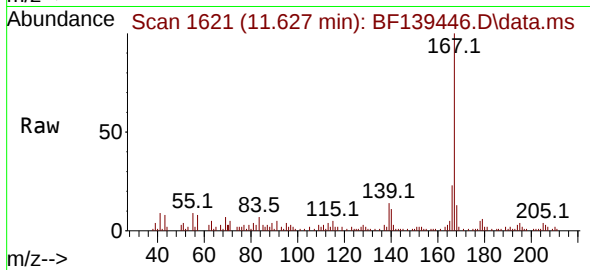
Tgt Ion:178 Resp: 64080
Ion Ratio Lower Upper
178 100
176 18.7 15.0 22.6
179 16.6 12.0 18.0





#73
 Carbazole
 Concen: 3.473 ng
 RT: 11.627 min Scan# 1621
 Delta R.T. -0.000 min
 Lab File: BF139446.D
 Acq: 19 Sep 2024 01:00

Instrument :
 BNA_F
 ClientSampleId :
 TP-1



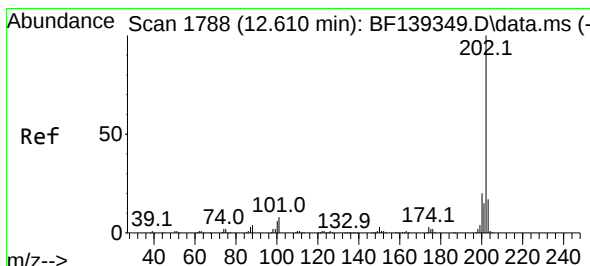
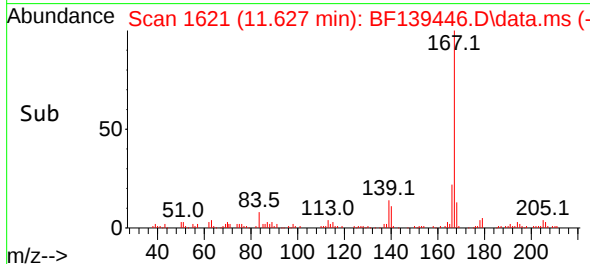
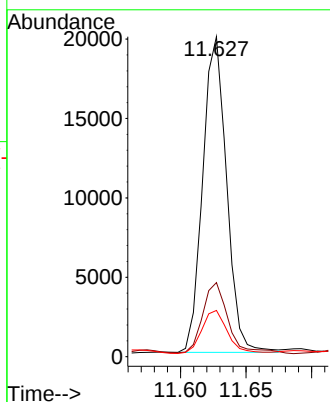
Tgt Ion	Ratio	Lower	Upper
167	100		
166	23.1	17.5	26.3
139	14.4	10.9	16.3

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 Upadhyay

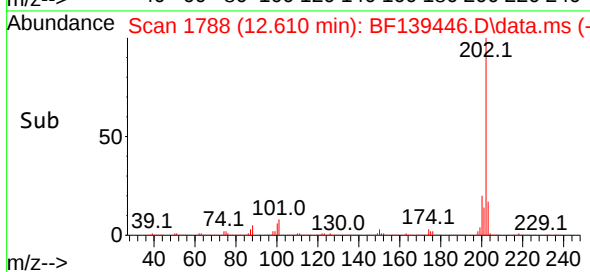
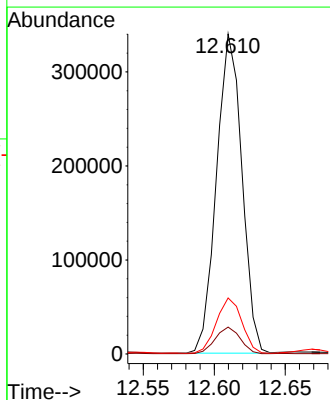
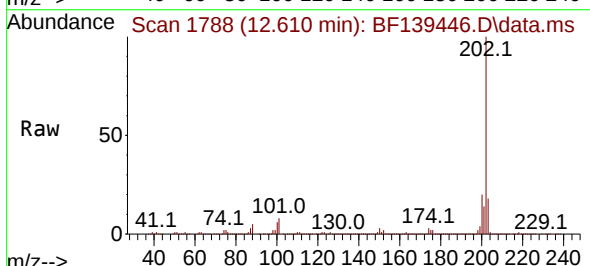
09/19/2024
 Supervised By :mohammad
 ahmed

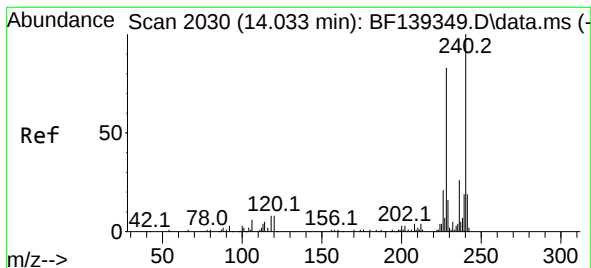
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#75
 Fluoranthene
 Concen: 50.918 ng
 RT: 12.610 min Scan# 1788
 Delta R.T. -0.000 min
 Lab File: BF139446.D
 Acq: 19 Sep 2024 01:00

Tgt Ion	Ratio	Lower	Upper
202	100		
101	8.4	0.0	27.7
203	17.5	0.0	37.4





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.033 min Scan# 2030

Delta R.T. -0.000 min

Lab File: BF139446.D

Acq: 19 Sep 2024 01:00

Instrument :

BNA_F

ClientSampleId :

TP-1

Tgt Ion:240 Resp: 104428

Ion	Ratio	Lower	Upper
240	100		
120	8.4	6.2	9.2
236	25.8	20.9	31.3

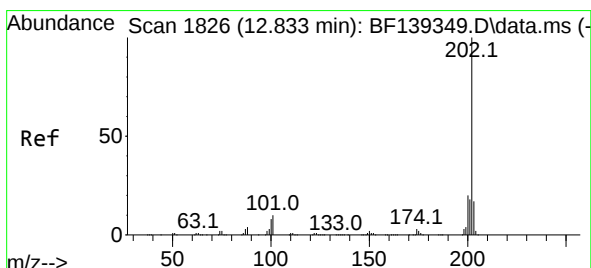
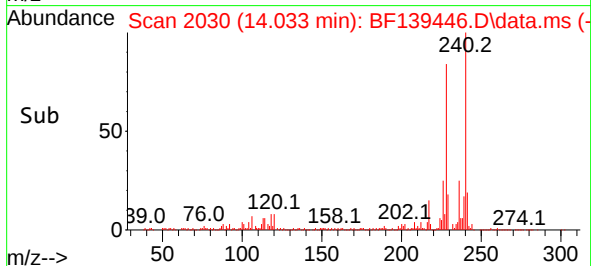
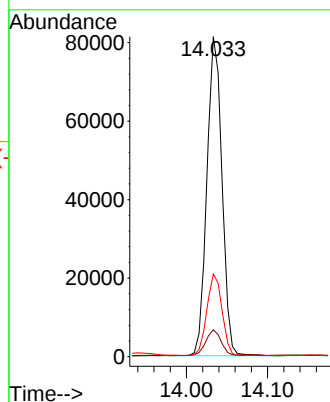
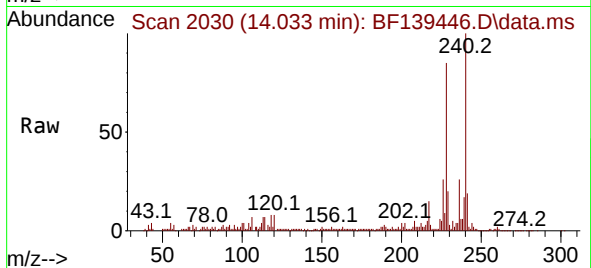
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Upadhyay

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ahmed

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#78

Pyrene

Concen: 39.620 ng

RT: 12.839 min Scan# 1827

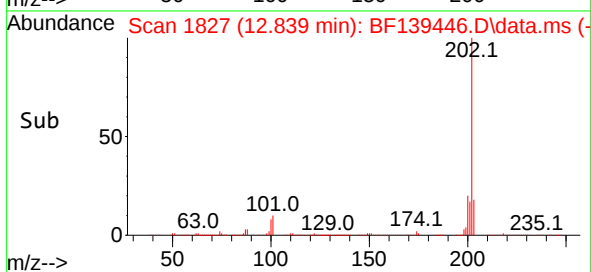
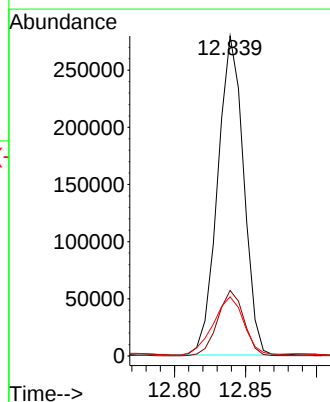
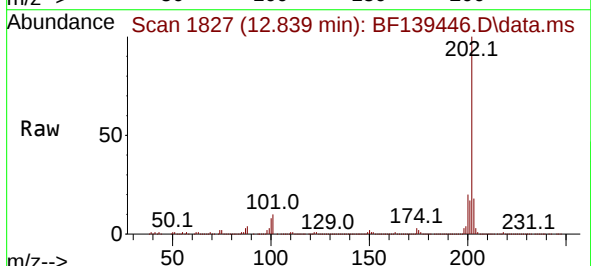
Delta R.T. 0.006 min

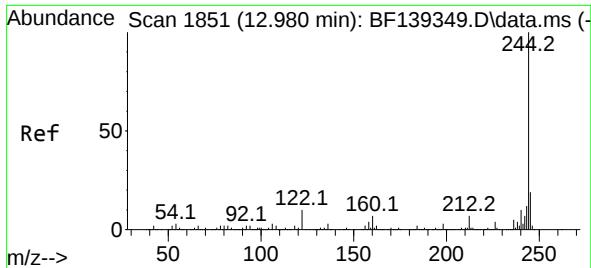
Lab File: BF139446.D

Acq: 19 Sep 2024 01:00

Tgt Ion:202 Resp: 355254

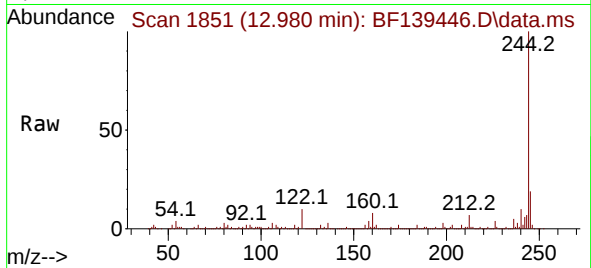
Ion	Ratio	Lower	Upper
202	100		
200	20.5	16.2	24.2
203	18.5	13.9	20.9





#79
 Terphenyl-d14
 Concen: 57.393 ng
 RT: 12.980 min Scan# 1851
 Delta R.T. -0.000 min
 Lab File: BF139446.D
 Acq: 19 Sep 2024 01:00

Instrument :
 BNA_F
 ClientSampleId :
 TP-1



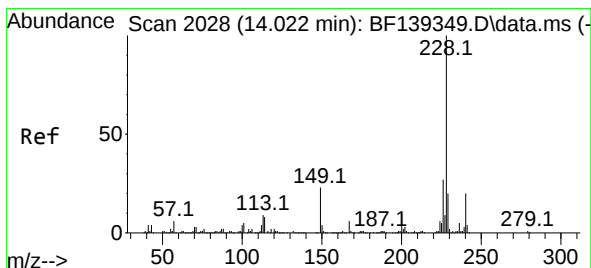
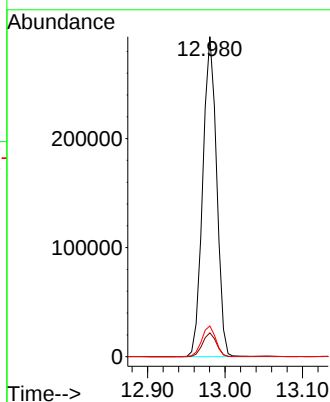
Tgt Ion:244 Resp: 36514
 Ion Ratio Lower Upper
 244 100
 212 7.5 6.0 9.0
 122 9.6 7.6 11.4

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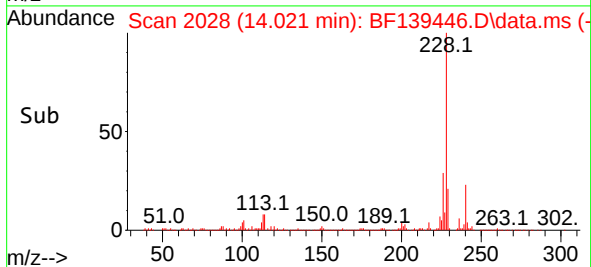
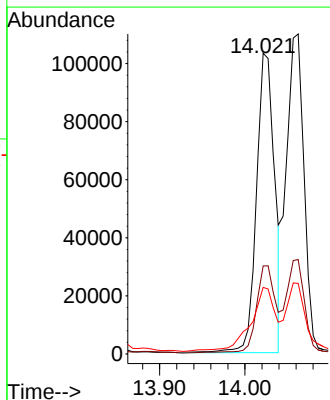
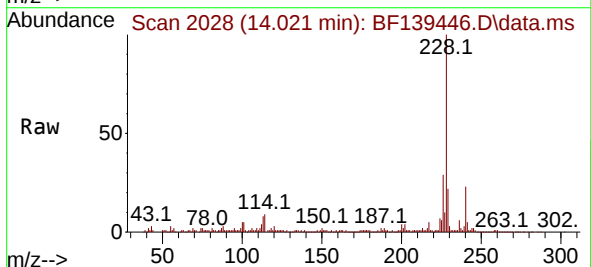
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 Supervised By :mohammad
 ahmed

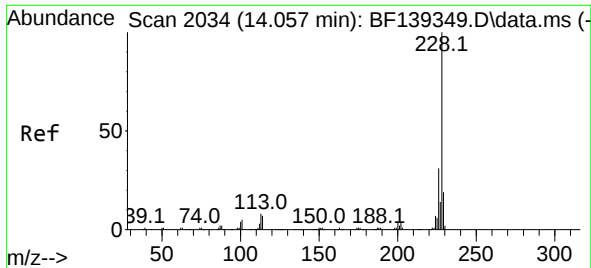
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#81
 Benzo(a)anthracene
 Concen: 21.994 ng
 RT: 14.021 min Scan# 2028
 Delta R.T. -0.000 min
 Lab File: BF139446.D
 Acq: 19 Sep 2024 01:00

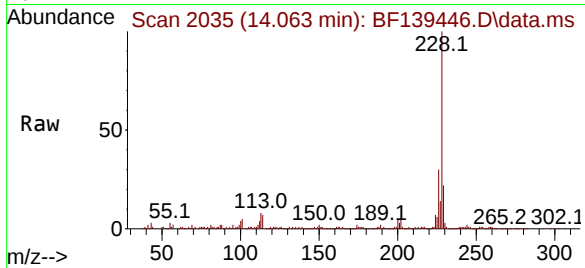
Tgt Ion:228 Resp: 152142
 Ion Ratio Lower Upper
 228 100
 226 29.2 21.6 32.4
 229 22.1 15.7 23.5





#83
Chrysene
Concen: 24.607 ng
RT: 14.063 min Scan# 2034
Delta R.T. 0.006 min
Lab File: BF139446.D
Acq: 19 Sep 2024 01:00

Instrument :
BNA_F
ClientSampleId :
TP-1



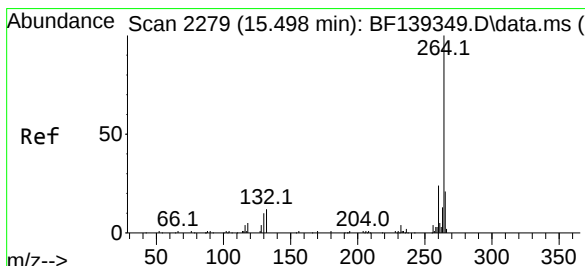
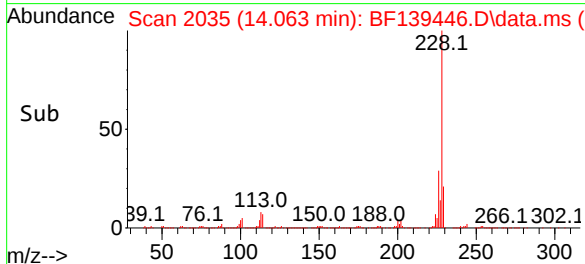
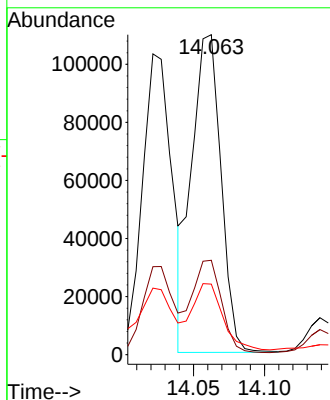
Tgt Ion:228 Resp: 15659
Ion Ratio Lower Upper
228 100
226 29.5 24.1 36.1
229 22.1 15.4 23.0

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Upadhyay

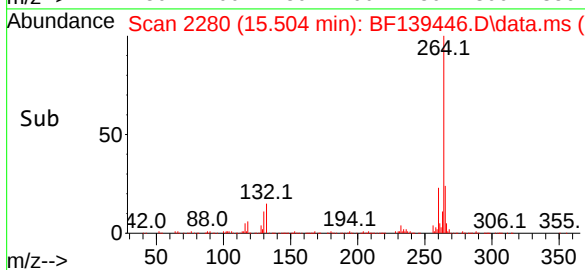
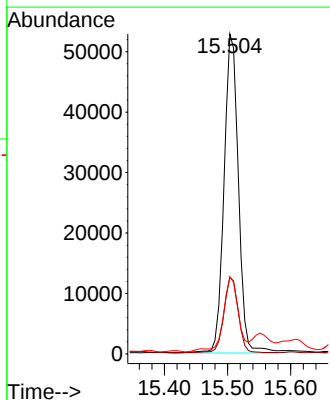
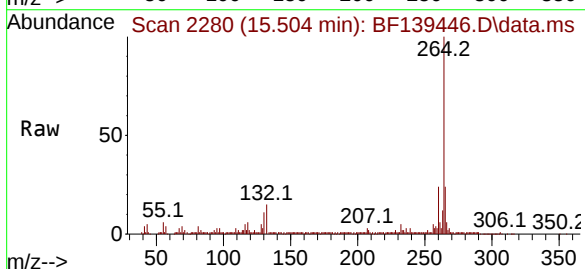
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Supervised By :mohammad
ahmed

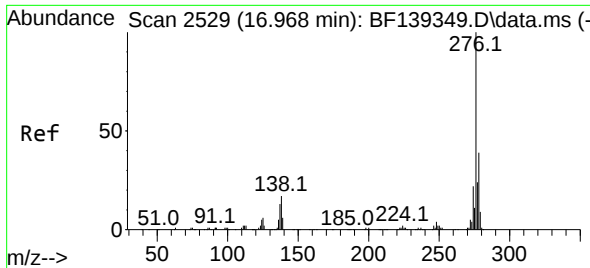
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#86
Perylene-d12
Concen: 20.000 ng
RT: 15.504 min Scan# 2280
Delta R.T. 0.006 min
Lab File: BF139446.D
Acq: 19 Sep 2024 01:00

Tgt Ion:264 Resp: 83716
Ion Ratio Lower Upper
264 100
260 24.0 19.5 29.3
265 24.2 16.6 25.0





#87
Indeno(1,2,3-cd)pyrene
Concen: 14.491 ng
RT: 16.974 min Scan# 2144
Delta R.T. 0.006 min
Lab File: BF139446.D
Acq: 19 Sep 2024 01:00

Instrument :

BNA_F

ClientSampleId :

TP-1

Tgt Ion:276 Resp: 72130
Ion Ratio Lower Upper
276 100
138 17.3 15.4 23.2
277 23.8 20.4 30.6

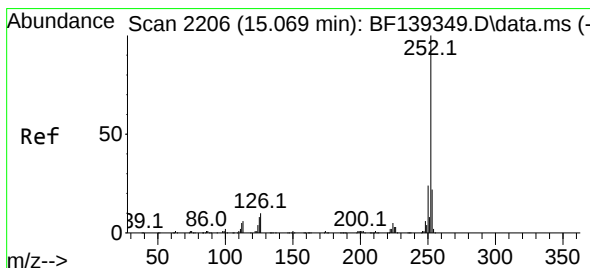
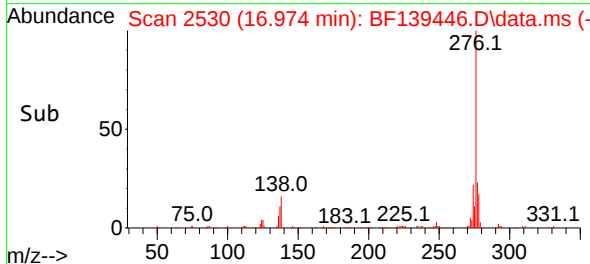
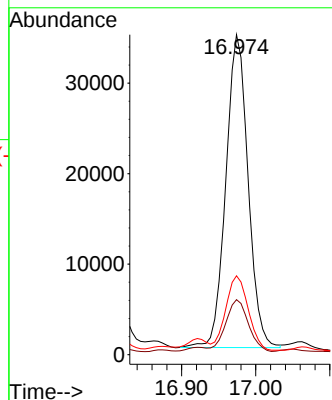
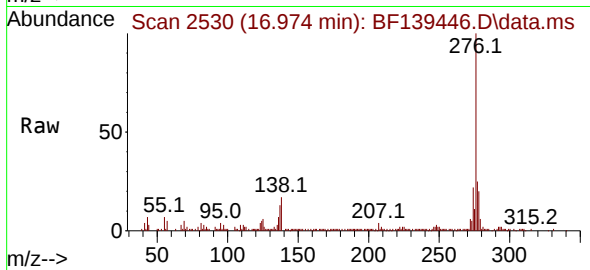
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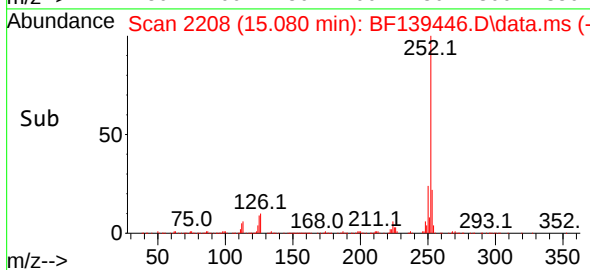
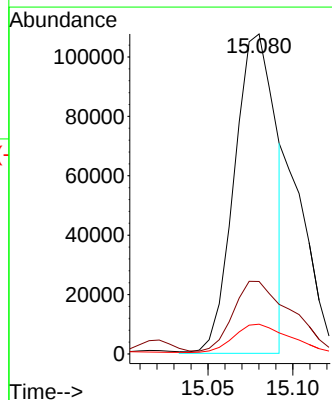
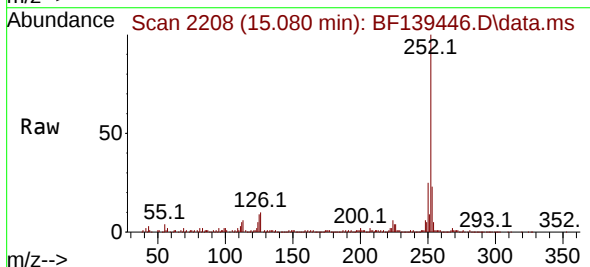
Supervised By :mohammad
ahmed

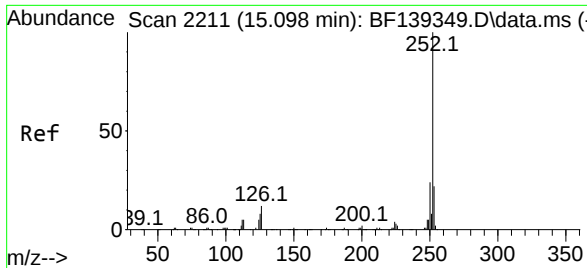
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#88
Benzo(b)fluoranthene
Concen: 35.292 ng m
RT: 15.080 min Scan# 2208
Delta R.T. 0.012 min
Lab File: BF139446.D
Acq: 19 Sep 2024 01:00

Tgt Ion:252 Resp: 182213
Ion Ratio Lower Upper
252 100
253 22.6 17.6 26.4
125 9.3 6.2 9.2#





#89

Benzo(k)fluoranthene

Concen: 13.324 ng m

RT: 15.092 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF139446.D

Acq: 19 Sep 2024 01:00

Instrument :

BNA_F

ClientSampleId :

TP-1

Tgt Ion:252 Resp: 6342
 Ion Ratio Lower Upper
 252 100
 253 23.5 17.3 25.9
 125 10.0 5.9 8.9

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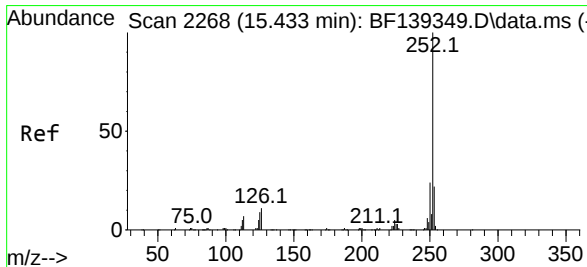
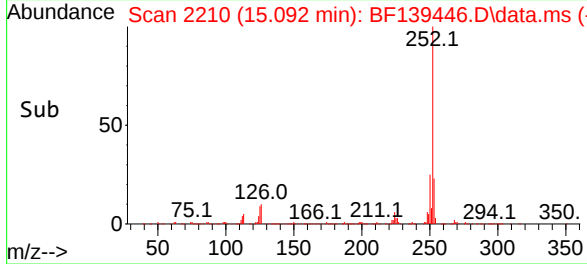
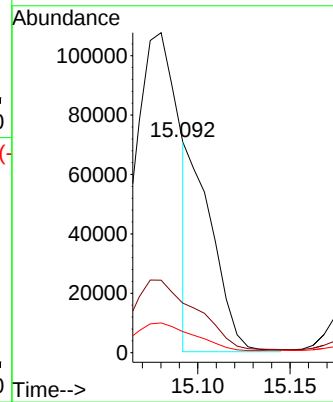
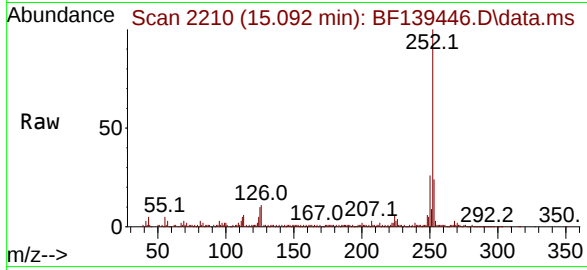
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 Upadhyay

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Supervised By :mohammad
 ahmed

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#90

Benzo(a)pyrene

Concen: 27.555 ng

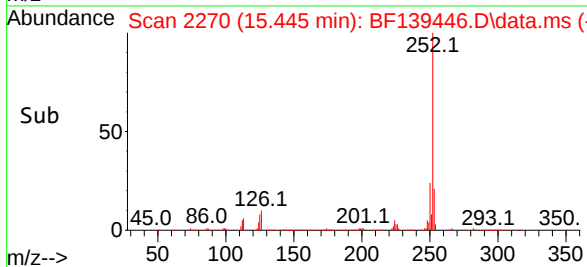
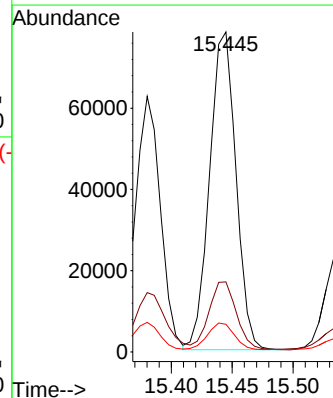
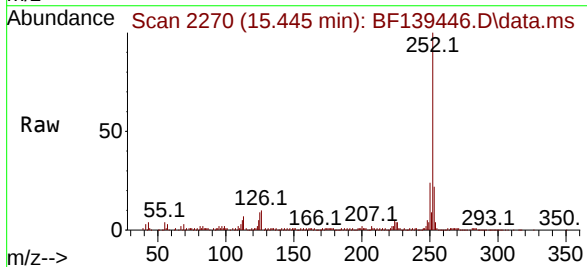
RT: 15.445 min Scan# 2270

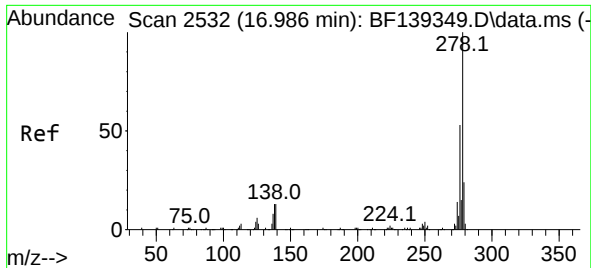
Delta R.T. 0.012 min

Lab File: BF139446.D

Acq: 19 Sep 2024 01:00

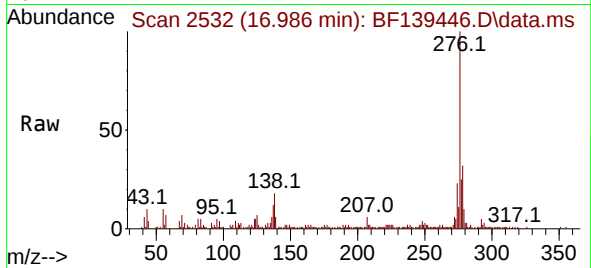
Tgt Ion:252 Resp: 117991
 Ion Ratio Lower Upper
 252 100
 253 21.9 17.3 25.9
 125 8.6 6.8 10.2





#91
Dibenzo(a,h)anthracene
Concen: 4.363 ng
RT: 16.986 min Scan# 2532
Delta R.T. -0.000 min
Lab File: BF139446.D
Acq: 19 Sep 2024 01:00

Instrument :
BNA_F
ClientSampleId :
TP-1



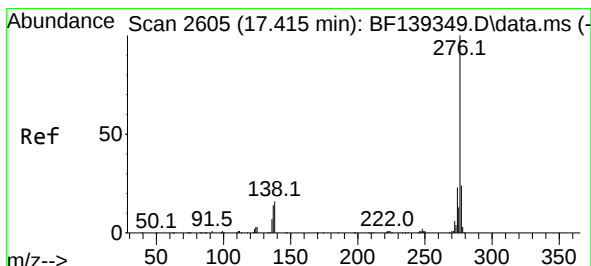
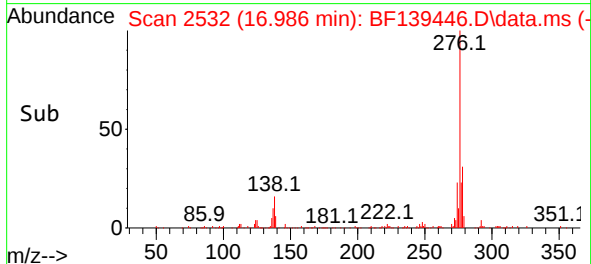
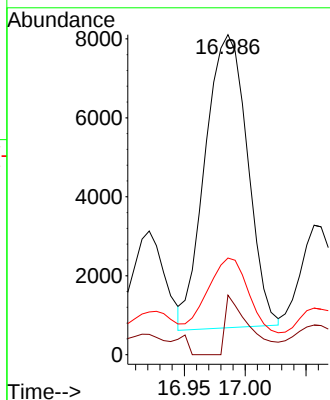
Tgt Ion: 278 Resp: 17949
Ion Ratio Lower Upper
278 100
139 18.6 10.2 15.2
279 30.2 18.9 28.3

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Upadhyay

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Supervised By :mohammad
ahmed

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#92
Benzo(g,h,i)perylene
Concen: 17.281 ng
RT: 17.421 min Scan# 2606
Delta R.T. 0.006 min
Lab File: BF139446.D
Acq: 19 Sep 2024 01:00

Tgt Ion: 276 Resp: 70384
Ion Ratio Lower Upper
276 100
277 24.9 18.9 28.3
138 17.8 13.0 19.6

