

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081123\
 Data File : BF134739.D
 Acq On : 11 Aug 2023 18:42
 Operator : CG\JU
 Sample : 03974-01
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EO-01-081023

Manual Integrations
 APPROVED

Reviewed By :Yogesh
 Patel

08/12/2023
 Supervised By :mohammad
 ahmed

Quant Time: Aug 11 22:23:34 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF080123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 04 09:29:15 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.798	152	194885	20.000	ng	0.00
21) Naphthalene-d8	8.075	136	721385	20.000	ng	# 0.00
39) Acenaphthene-d10	9.833	164	304030	20.000	ng	0.00
64) Phenanthrene-d10	11.322	188	478458	20.000	ng	# 0.00
76) Chrysene-d12	13.980	240	328763	20.000	ng	# 0.00
86) Perylene-d12	15.451	264	258819	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.422	112	474604	37.019	ng	0.00
7) Phenol-d6	6.428	99	565129	34.483	ng	-0.01
23) Nitrobenzene-d5	7.357	82	337316	29.221	ng	-0.01
42) 2,4,6-Tribromophenol	10.622	330	116214	37.497	ng	0.00
45) 2-Fluorobiphenyl	9.151	172	630309	34.471	ng	-0.01
79) Terphenyl-d14	12.916	244	583594	31.293	ng	0.00
Target Compounds						
						Qvalue
49) Acenaphthylene	9.692	152	93555	3.360	ng	98
52) Acenaphthene	9.863	154	88672	4.914	ng	98
55) Dibenzofuran	10.039	168	93594	3.643	ng	# 92
58) Fluorene	10.380	166	167406	8.947	ng	98
71) Phenanthrene	11.351	178	1285038	50.565	ng	100
72) Anthracene	11.398	178	468178	18.035	ng	99
73) Carbazole	11.551	167	78493	3.387	ng	97
75) Fluoranthene	12.545	202	2376075	88.511	ng	96
78) Pyrene	12.774	202	2142986	75.329	ng	96
81) Benzo(a)anthracene	13.968	228	1239163	52.712	ng	98
83) Chrysene	14.004	228	1078589m	47.094	ng	
87) Indeno(1,2,3-cd)pyrene	16.945	276	458616	30.129	ng	# 94
88) Benzo(b)fluoranthene	15.021	252	1166838m	73.920	ng	
89) Benzo(k)fluoranthene	15.045	252	366911m	23.334	ng	
90) Benzo(a)pyrene	15.392	252	780170	53.009	ng	# 96
91) Dibenzo(a,h)anthracene	16.956	278	111068	9.029	ng	# 88
92) Benzo(g,h,i)perylene	17.398	276	406222	32.372	ng	# 92

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

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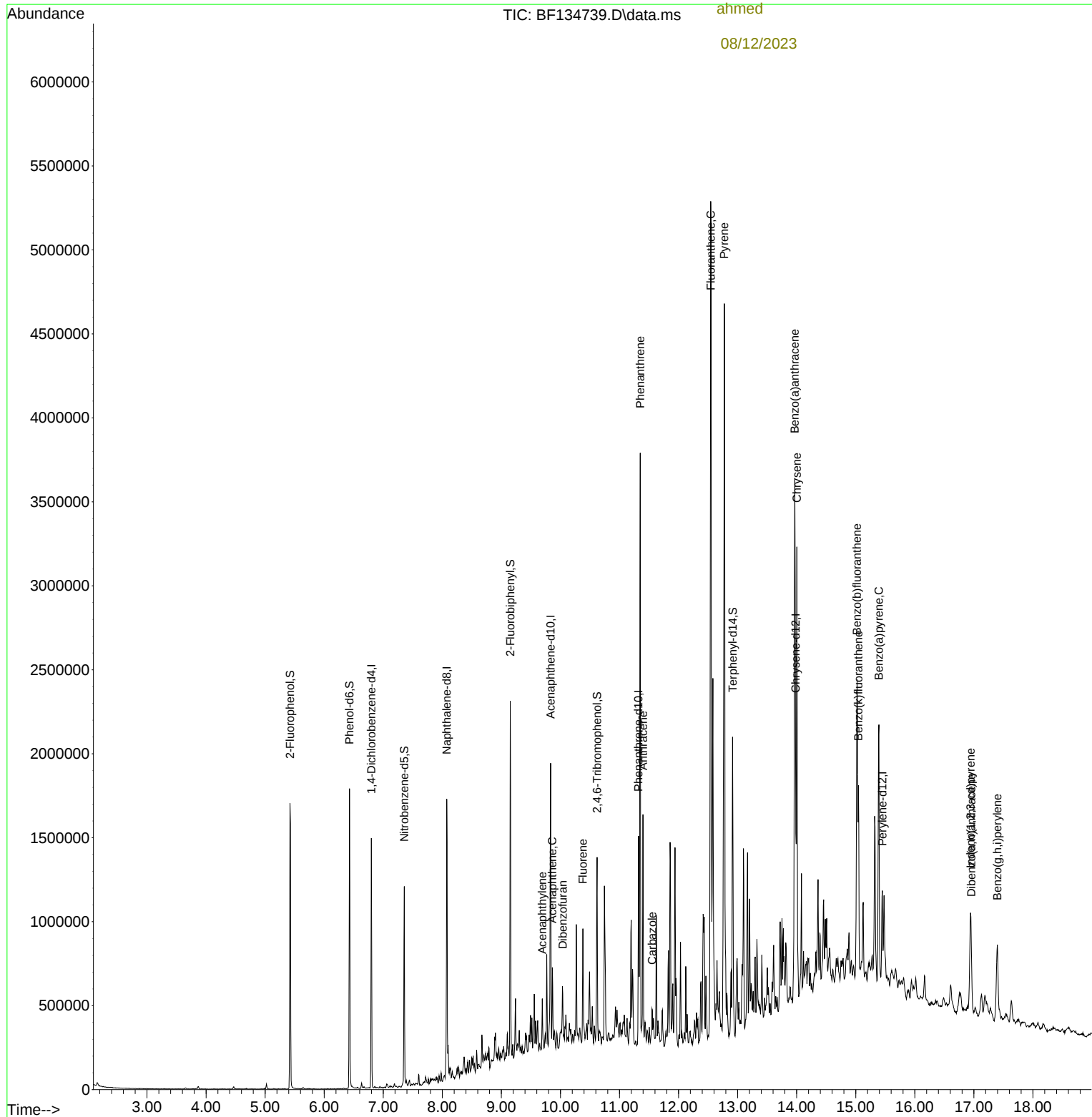
Instrument :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF080123.M
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QLast Update : Fri Aug 04 09:29:15 2023
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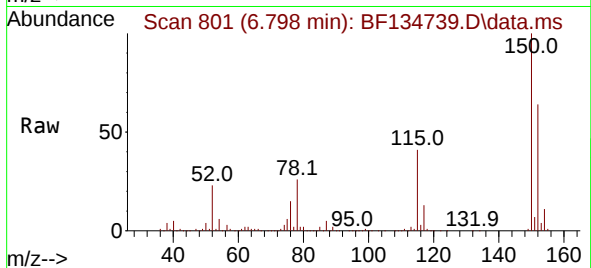
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ahmed





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.798 min Scan# 800
Delta R.T. 0.000 min
Lab File: BF134739.D
Acq: 11 Aug 2023 18:42

Instrument :
BNA_F
Client SampleId :
EO-01-081023



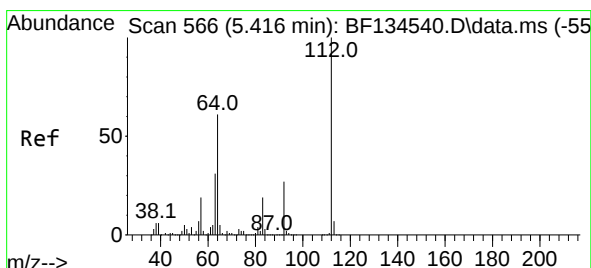
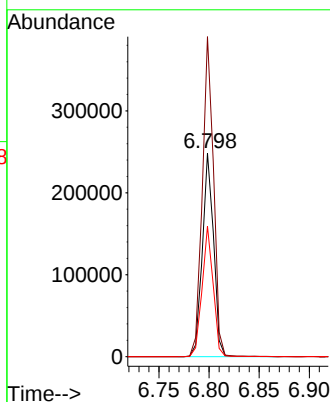
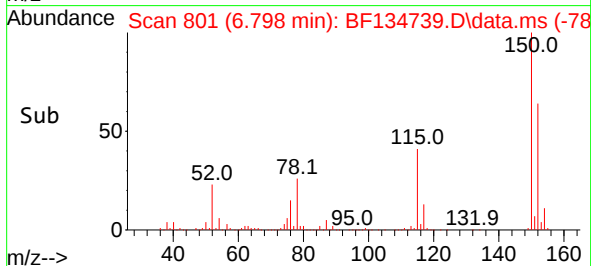
Tgt Ion:152 Resp: 19488
Ion Ratio Lower Upper
152 100
150 157.3 128.3 192.5
115 64.2 52.4 78.6

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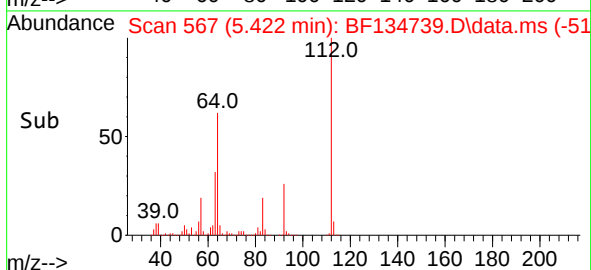
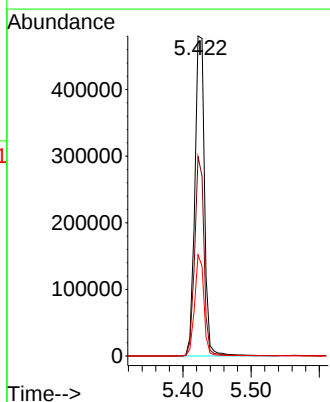
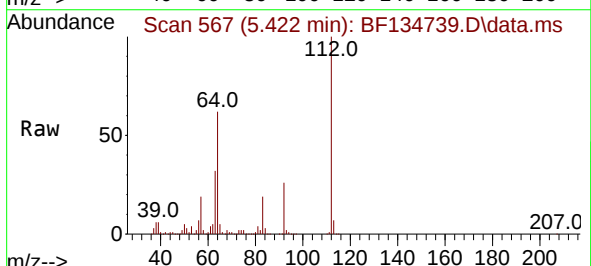
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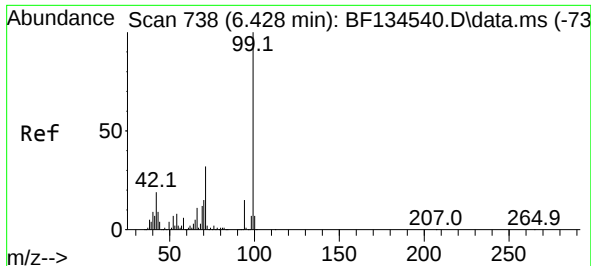
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#5
2-Fluorophenol
Concen: 37.019 ng
RT: 5.422 min Scan# 567
Delta R.T. -0.006 min
Lab File: BF134739.D
Acq: 11 Aug 2023 18:42

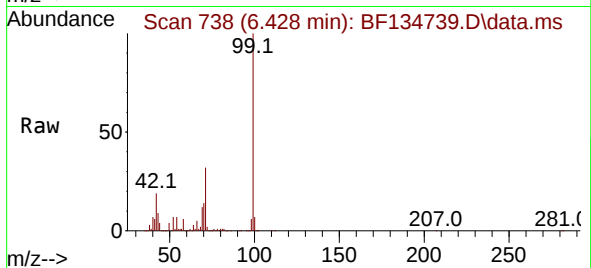
Tgt Ion:112 Resp: 474604
Ion Ratio Lower Upper
112 100
64 62.3 44.9 67.3
63 31.6 25.4 38.0





#7
Phenol-d6
Concen: 34.483 ng
RT: 6.428 min Scan# 738
Delta R.T. -0.012 min
Lab File: BF134739.D
Acq: 11 Aug 2023 18:42

Instrument :
BNA_F
ClientSampleId :
EO-01-081023



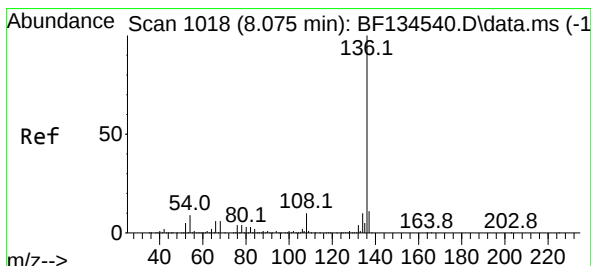
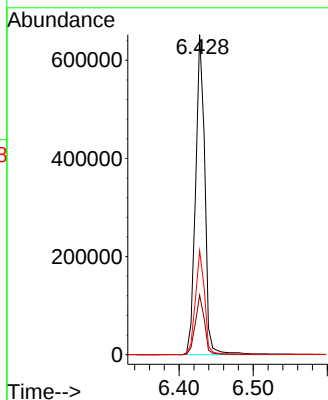
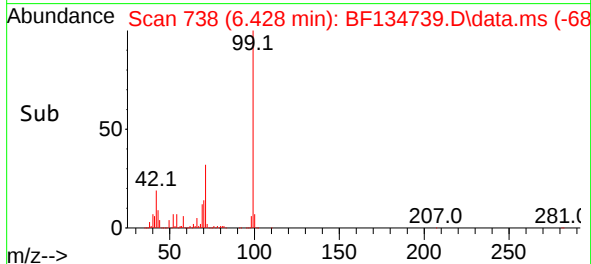
Tgt Ion: 99 Resp: 565129
Ion Ratio Lower Upper
99 100
42 18.6 18.7 28.1#
71 32.5 36.4 54.6#

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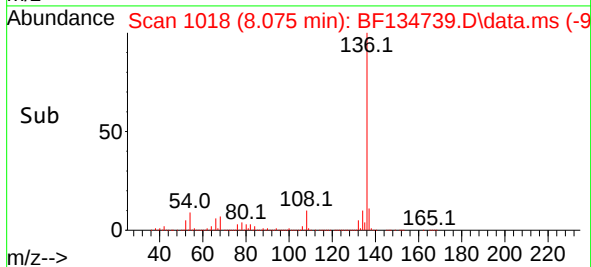
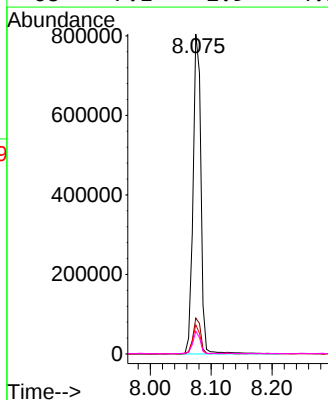
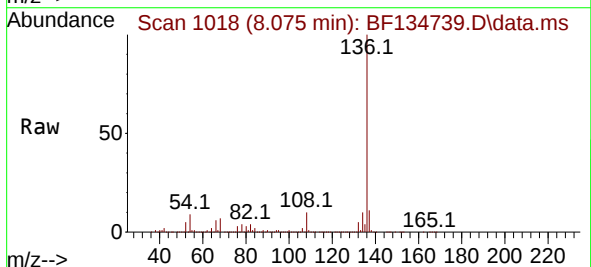
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#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.075 min Scan# 1018
Delta R.T. -0.006 min
Lab File: BF134739.D
Acq: 11 Aug 2023 18:42

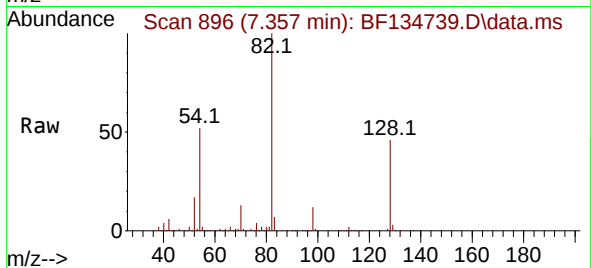
Tgt Ion:136 Resp: 721385
Ion Ratio Lower Upper
136 100
137 11.2 8.4 12.6
54 9.1 5.2 7.8#
68 7.1 2.9 4.3#





#23
Nitrobenzene-d5
Concen: 29.221 ng
RT: 7.357 min Scan# 896
Delta R.T. -0.012 min
Lab File: BF134739.D
Acq: 11 Aug 2023 18:42

Instrument :
BNA_F
ClientSampleId :
EO-01-081023



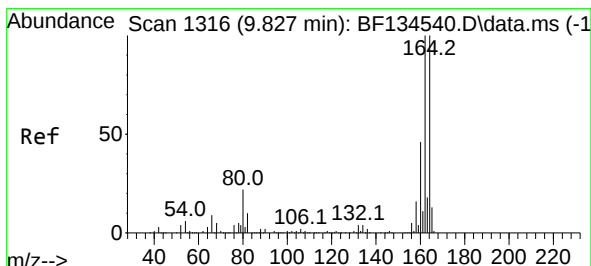
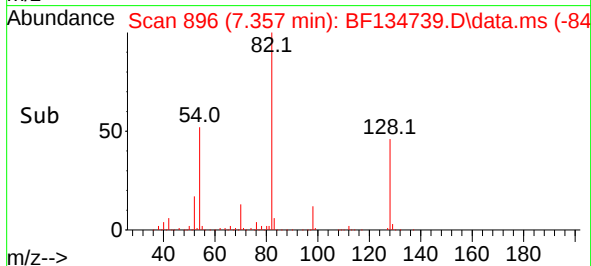
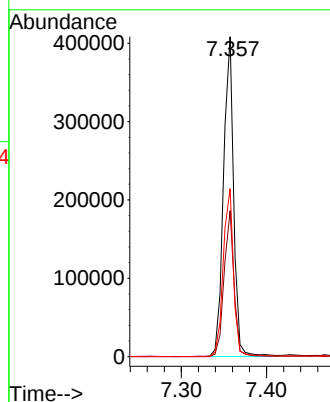
Tgt Ion: 82 Resp: 337310
Ion Ratio Lower Upper
82 100
128 45.6 34.3 51.5
54 52.5 43.8 65.6

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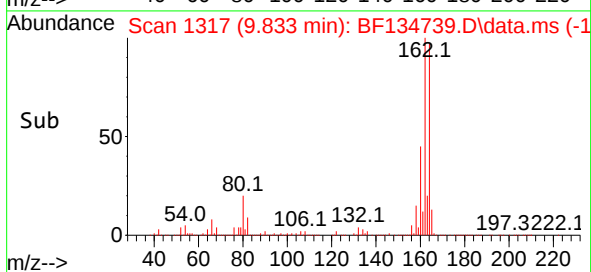
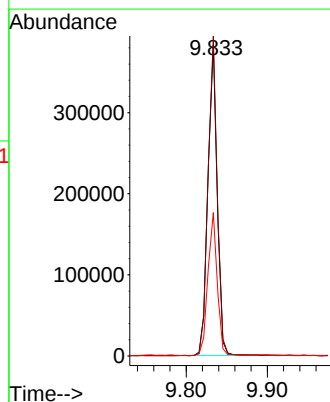
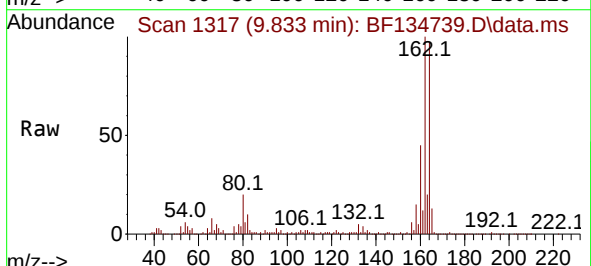
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.833 min Scan# 1317
Delta R.T. 0.000 min
Lab File: BF134739.D
Acq: 11 Aug 2023 18:42

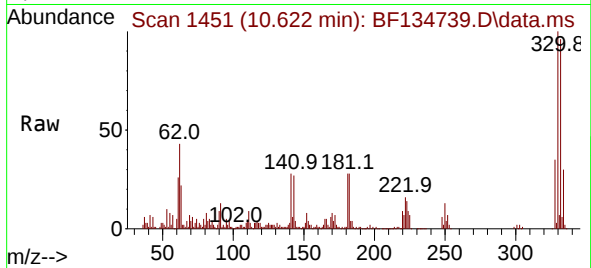
Tgt Ion:164 Resp: 304030
Ion Ratio Lower Upper
164 100
162 103.0 82.6 123.8
160 46.1 37.2 55.8





#42
2,4,6-Tribromophenol
Concen: 37.497 ng
RT: 10.622 min Scan# 1451
Delta R.T. -0.006 min
Lab File: BF134739.D
Acq: 11 Aug 2023 18:42

Instrument :
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ClientSampleId :
EO-01-081023



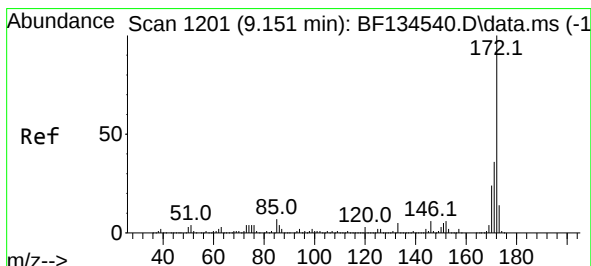
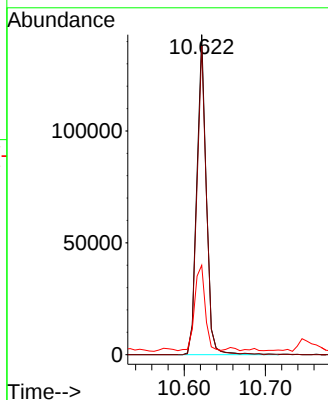
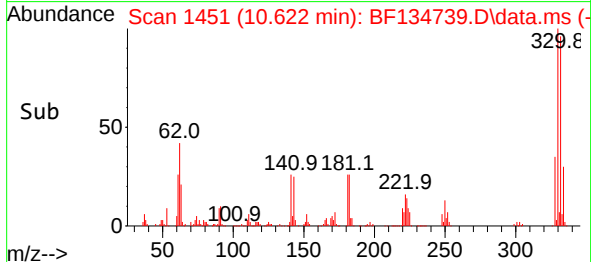
Tgt Ion: 330 Resp: 116214
Ion Ratio Lower Upper
330 100
332 96.0 78.8 118.2
141 29.5 25.4 38.2

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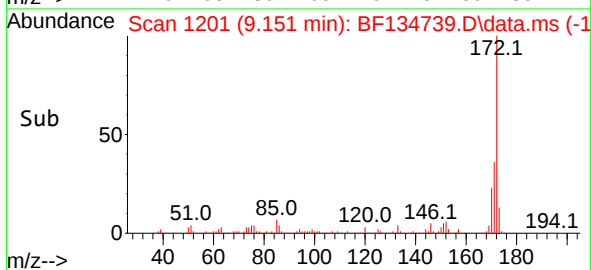
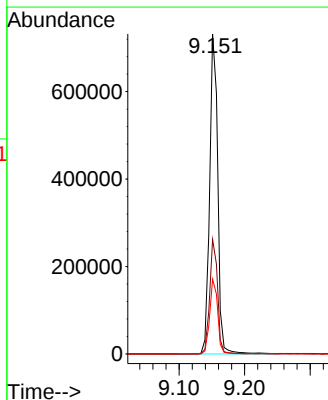
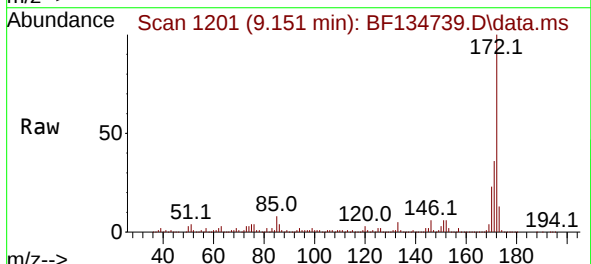
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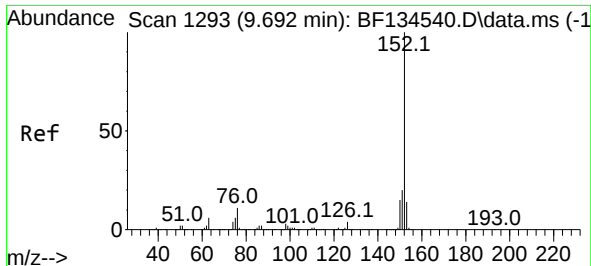
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#45
2-Fluorobiphenyl
Concen: 34.471 ng
RT: 9.151 min Scan# 1201
Delta R.T. -0.012 min
Lab File: BF134739.D
Acq: 11 Aug 2023 18:42

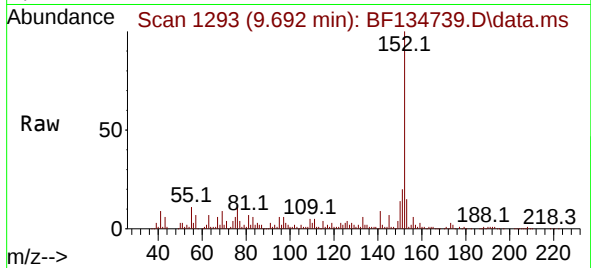
Tgt Ion: 172 Resp: 630309
Ion Ratio Lower Upper
172 100
171 35.8 28.8 43.2
170 23.4 18.7 28.1





#49
Acenaphthylene
Concen: 3.360 ng
RT: 9.692 min Scan# 1293
Delta R.T. -0.006 min
Lab File: BF134739.D
Acq: 11 Aug 2023 18:42

Instrument :
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ClientSampleId :
EO-01-081023



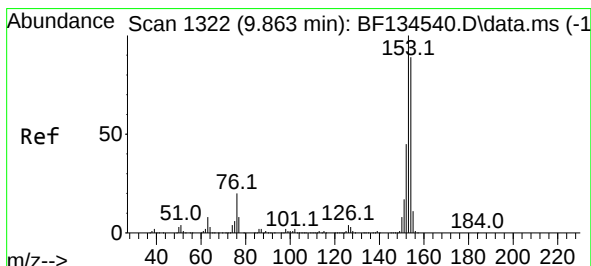
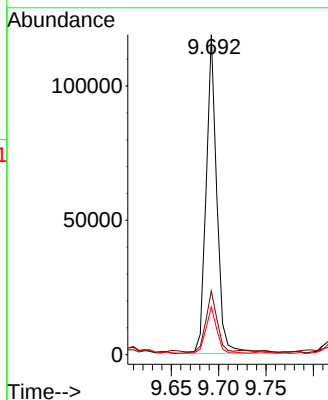
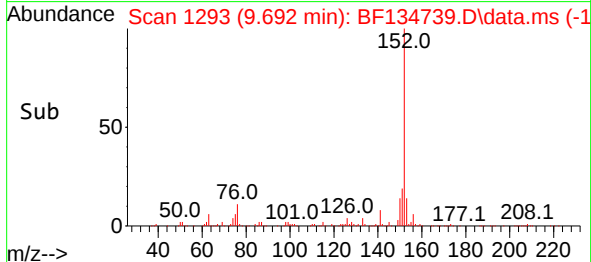
Tgt Ion:152 Resp: 9355
Ion Ratio Lower Upper
152 100
151 19.9 16.4 24.6
153 14.9 10.9 16.3

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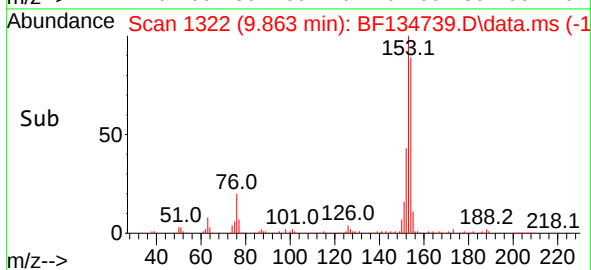
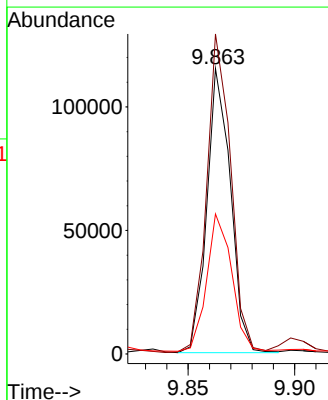
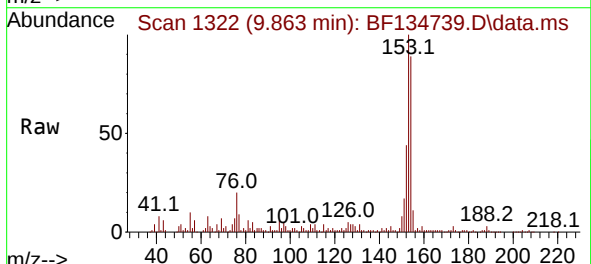
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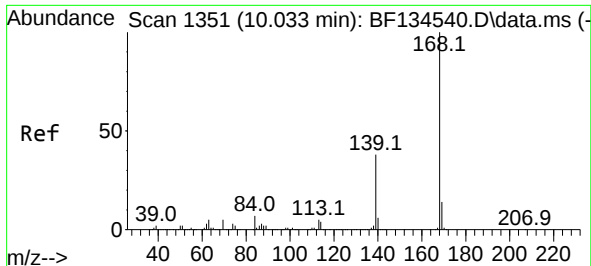
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#52
Acenaphthene
Concen: 4.914 ng
RT: 9.863 min Scan# 1322
Delta R.T. -0.012 min
Lab File: BF134739.D
Acq: 11 Aug 2023 18:42

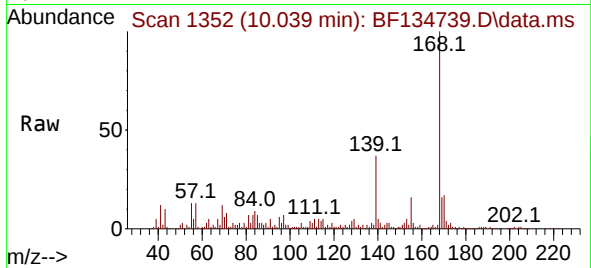
Tgt Ion:154 Resp: 88672
Ion Ratio Lower Upper
154 100
153 112.1 90.0 135.0
152 49.1 42.4 63.6





#55
Dibenzenofuran
Concen: 3.643 ng
RT: 10.039 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF134739.D
Acq: 11 Aug 2023 18:42

Instrument :
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ClientSampleId :
EO-01-081023



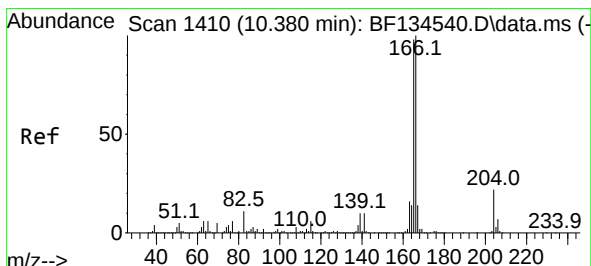
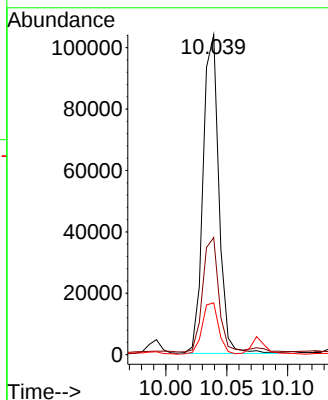
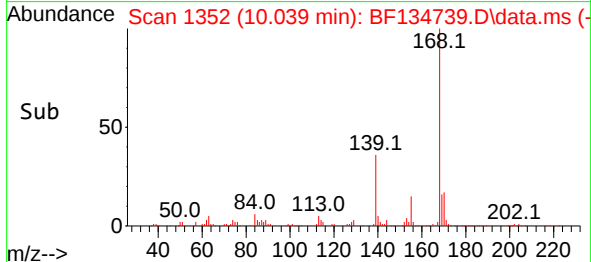
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Ion Ratio Lower Upper
168 100
139 36.6 33.4 50.2
169 16.2 10.6 15.8

Manual Integrations
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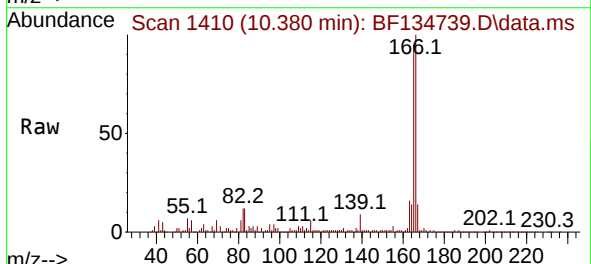
Reviewed By :Yogesh
Patel

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Supervised By :mohammad
ahmed

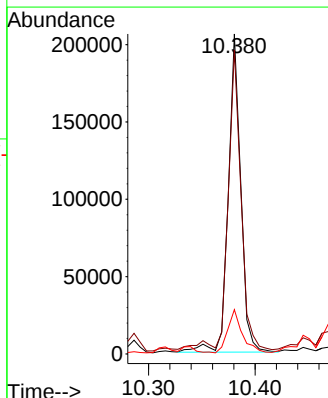
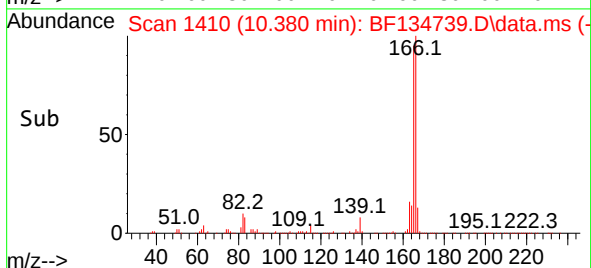
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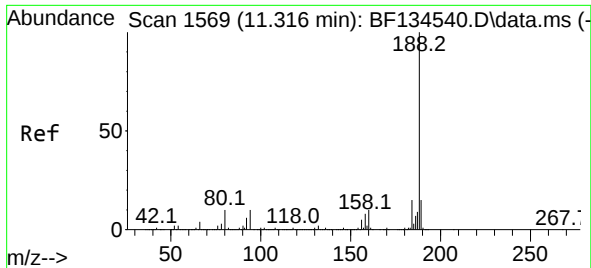


#58
Fluorene
Concen: 8.947 ng
RT: 10.380 min Scan# 1410
Delta R.T. -0.006 min
Lab File: BF134739.D
Acq: 11 Aug 2023 18:42



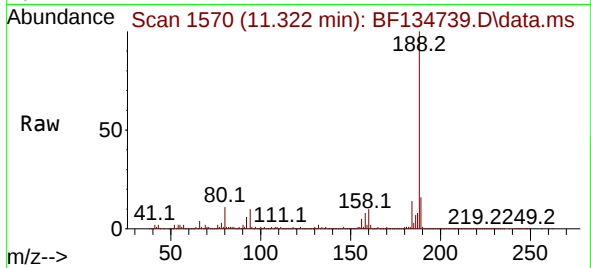
Tgt Ion:166 Resp: 167406
Ion Ratio Lower Upper
166 100
165 95.0 74.5 111.7
167 13.8 10.6 16.0





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.322 min Scan# 1570
Delta R.T. 0.000 min
Lab File: BF134739.D
Acq: 11 Aug 2023 18:42

Instrument :
BNA_F
ClientSampleId :
EO-01-081023



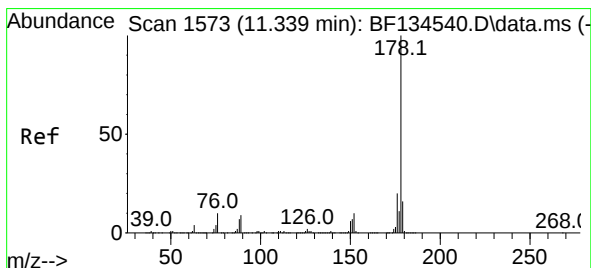
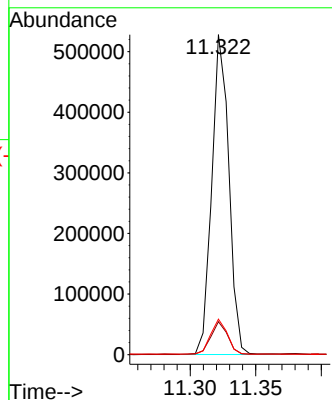
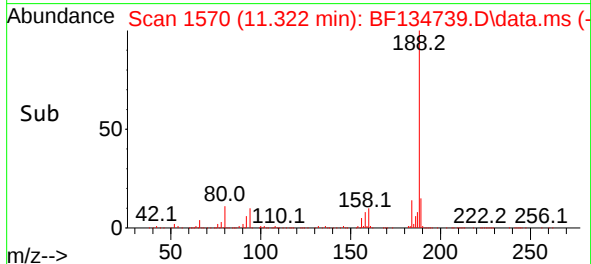
Tgt Ion:188 Resp: 478458
Ion Ratio Lower Upper
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94 10.3 5.1 7.7
80 11.1 6.6 9.8

Manual Integrations
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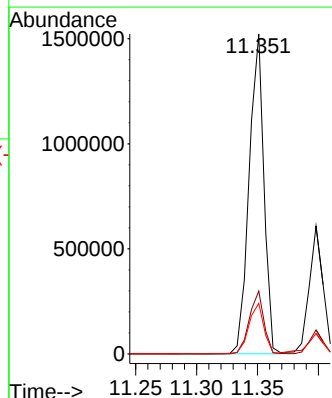
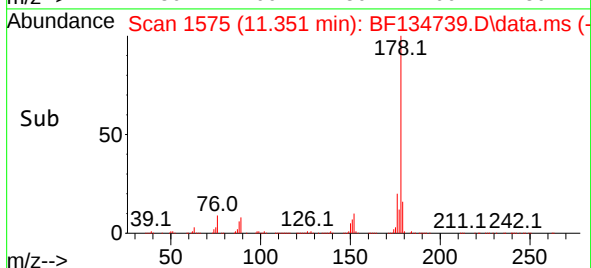
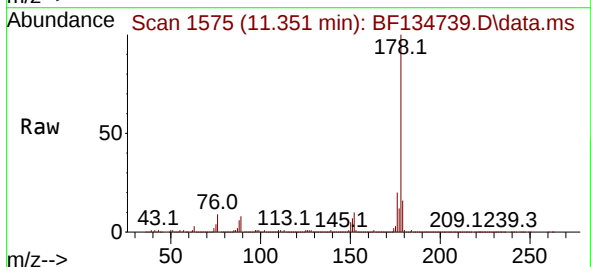
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ahmed

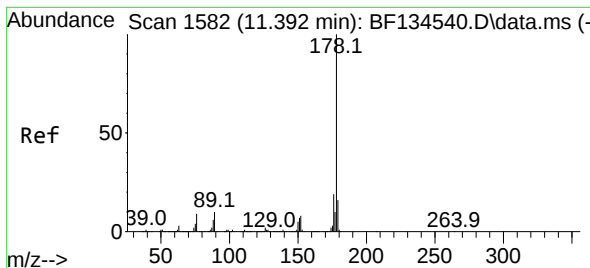
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#71
Phenanthrene
Concen: 50.565 ng
RT: 11.351 min Scan# 1575
Delta R.T. 0.000 min
Lab File: BF134739.D
Acq: 11 Aug 2023 18:42

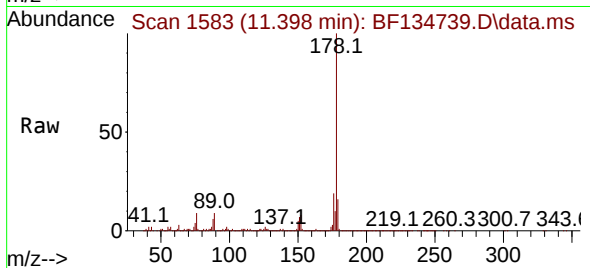
Tgt Ion:178 Resp: 1285038
Ion Ratio Lower Upper
178 100
176 19.7 15.8 23.6
179 15.8 12.7 19.1





#72
 Anthracene
 Concen: 18.035 ng
 RT: 11.398 min Scan# 1582
 Delta R.T. -0.006 min
 Lab File: BF134739.D
 Acq: 11 Aug 2023 18:42

Instrument :
 BNA_F
 ClientSampleId :
 EO-01-081023



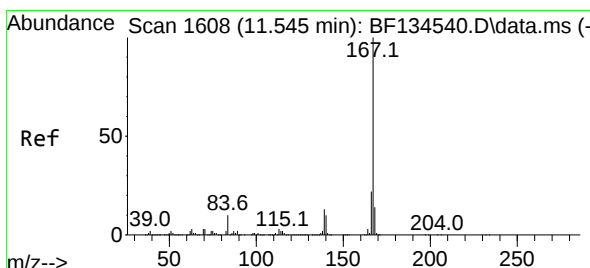
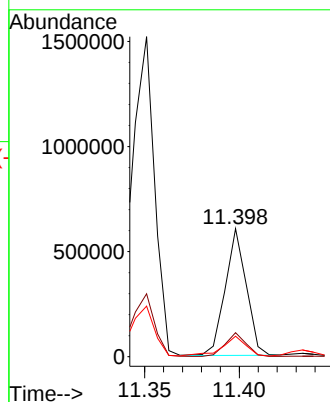
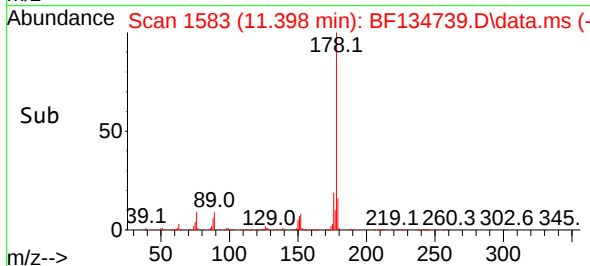
Tgt Ion:178 Resp: 468178
 Ion Ratio Lower Upper
 178 100
 176 18.7 14.6 21.8
 179 16.0 12.3 18.5

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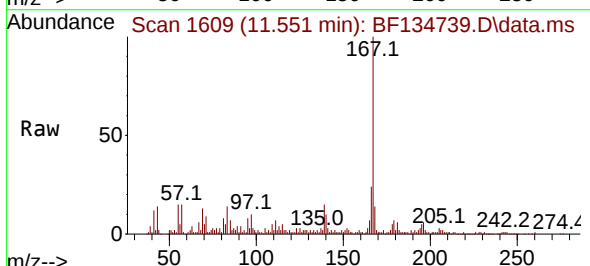
Reviewed By :Yogesh
 Patel

08/12/2023
 Supervised By :mohammad
 ahmed

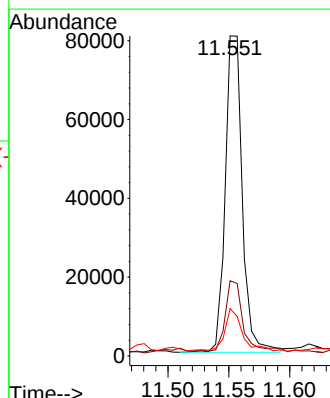
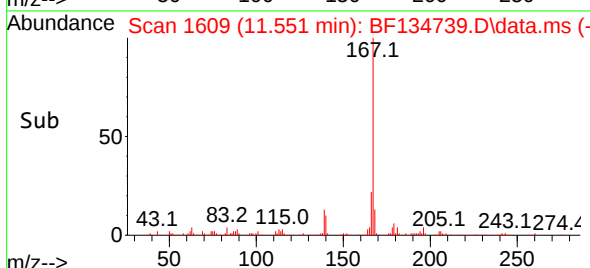
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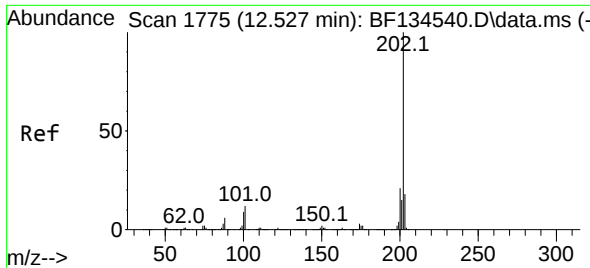


#73
 Carbazole
 Concen: 3.387 ng
 RT: 11.551 min Scan# 1609
 Delta R.T. -0.006 min
 Lab File: BF134739.D
 Acq: 11 Aug 2023 18:42



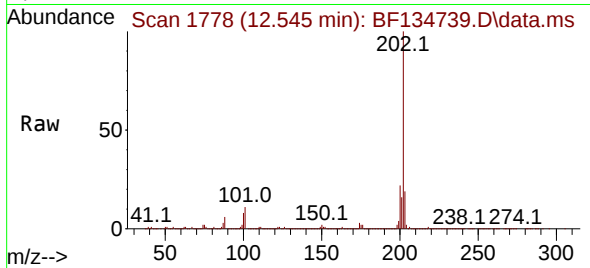
Tgt Ion:167 Resp: 78493
 Ion Ratio Lower Upper
 167 100
 166 23.5 17.5 26.3
 139 14.8 11.0 16.4





#75
Fluoranthene
Concen: 88.511 ng
RT: 12.545 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF134739.D
Acq: 11 Aug 2023 18:42

Instrument :
BNA_F
ClientSampleId :
EO-01-081023



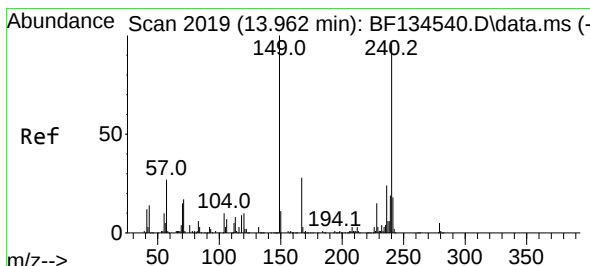
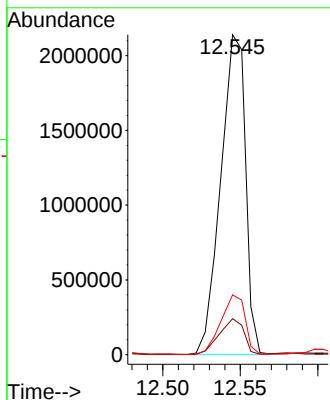
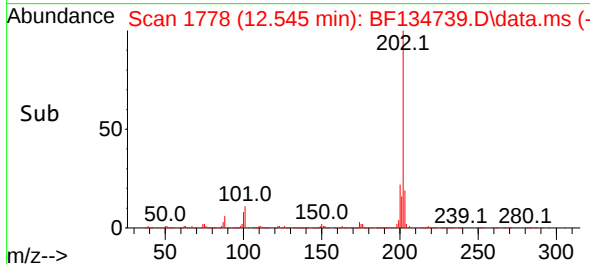
Tgt Ion:202 Resp: 237607
Ion Ratio Lower Upper
202 100
101 11.2 0.0 28.5
203 18.7 0.0 37.5

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Reviewed By :Yogesh
Patel

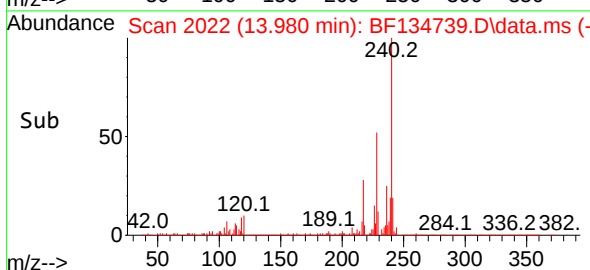
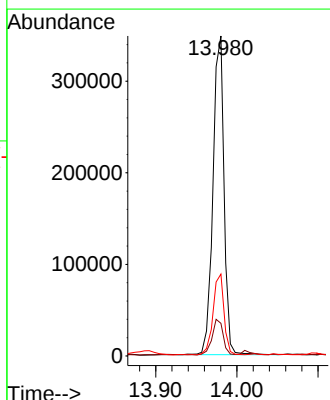
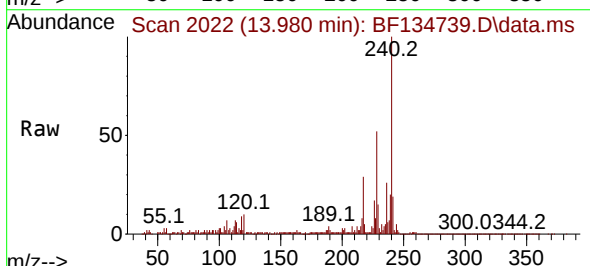
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Supervised By :mohammad
ahmed

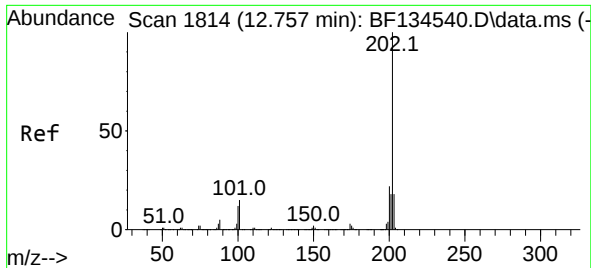
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#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.980 min Scan# 2022
Delta R.T. 0.006 min
Lab File: BF134739.D
Acq: 11 Aug 2023 18:42

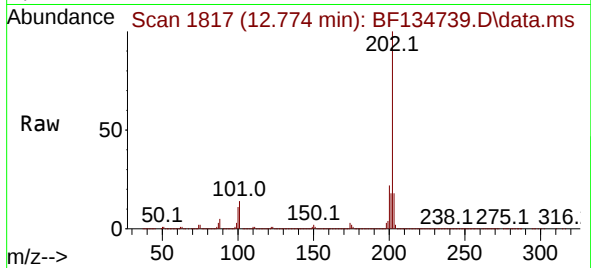
Tgt Ion:240 Resp: 328763
Ion Ratio Lower Upper
240 100
120 10.2 6.6 10.0#
236 25.6 20.2 30.2





#78
Pyrene
Concen: 75.329 ng
RT: 12.774 min Scan# 1814
Delta R.T. 0.006 min
Lab File: BF134739.D
Acq: 11 Aug 2023 18:42

Instrument :
BNA_F
ClientSampleId :
EO-01-081023



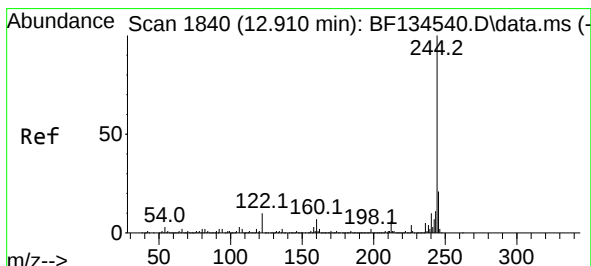
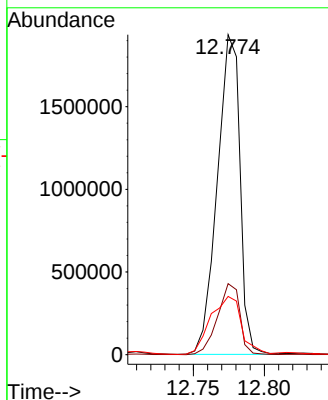
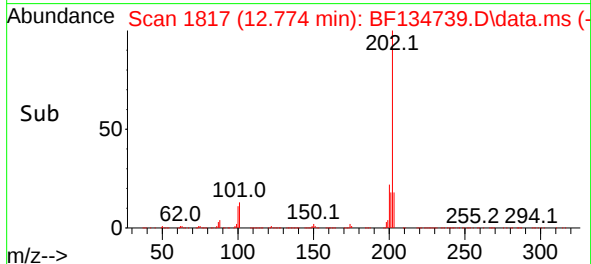
Tgt Ion:202 Resp: 2142980
Ion Ratio Lower Upper
202 100
200 22.2 15.8 23.8
203 18.2 13.5 20.3

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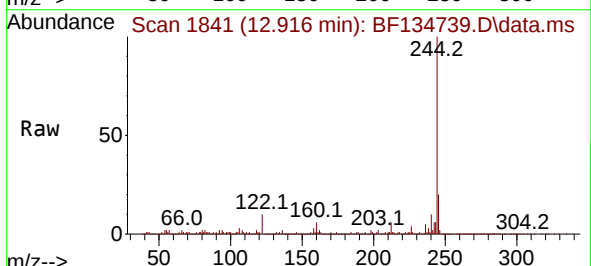
Reviewed By :Yogesh
Patel

08/12/2023
Supervised By :mohammad
ahmed

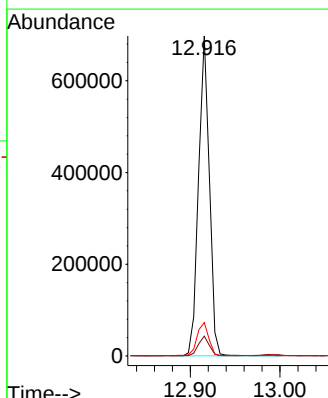
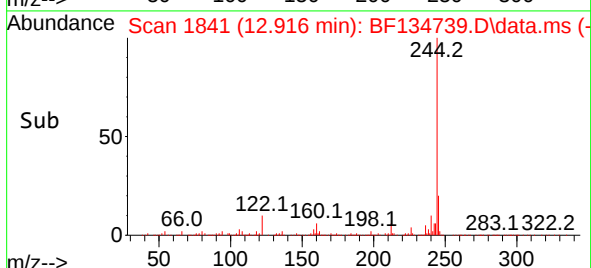
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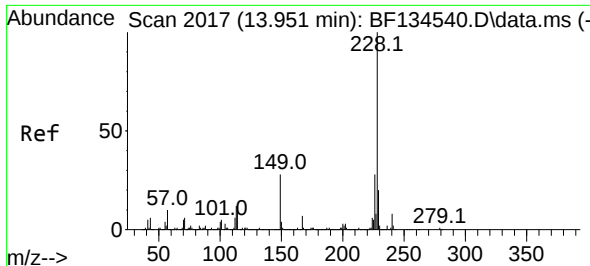


#79
Terphenyl-d14
Concen: 31.293 ng
RT: 12.916 min Scan# 1841
Delta R.T. -0.006 min
Lab File: BF134739.D
Acq: 11 Aug 2023 18:42



Tgt Ion:244 Resp: 583594
Ion Ratio Lower Upper
244 100
212 6.2 5.6 8.4
122 10.5 8.0 12.0





#81
Benzo(a)anthracene
Concen: 52.712 ng
RT: 13.968 min Scan# 2016
Delta R.T. 0.006 min
Lab File: BF134739.D
Acq: 11 Aug 2023 18:42

Instrument :

BNF_F

ClientSampleId :

EO-01-081023

Tgt Ion:228 Resp: 123916
Ion Ratio Lower Upper
228 100
226 29.0 22.3 33.5
229 20.6 15.8 23.6

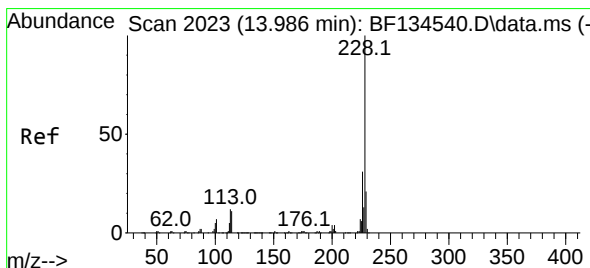
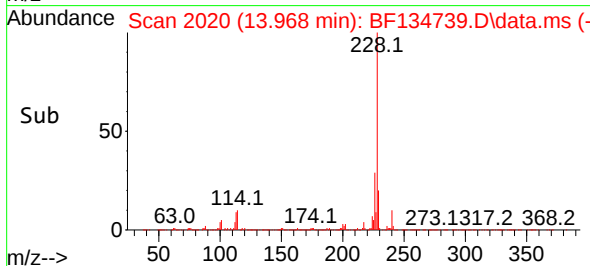
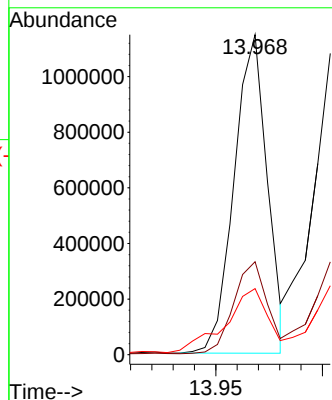
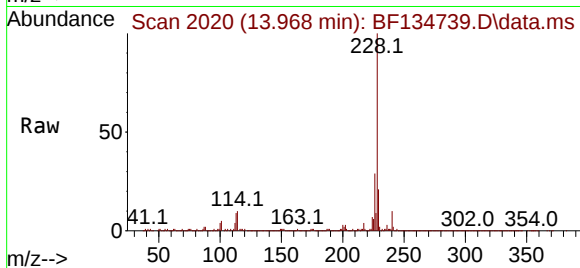
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Patel

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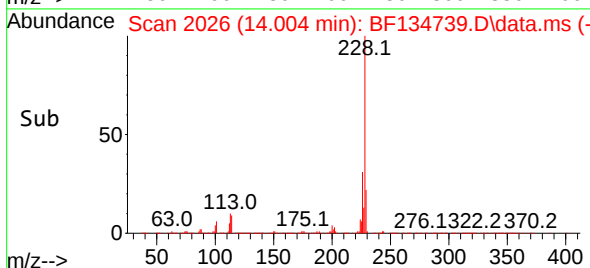
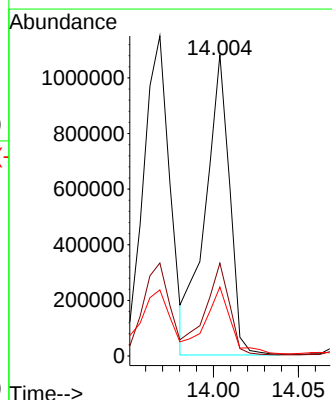
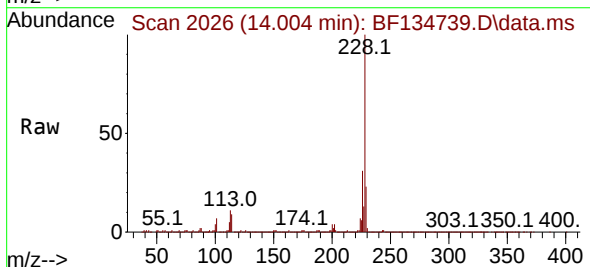
Supervised By :mohammad
ahmed

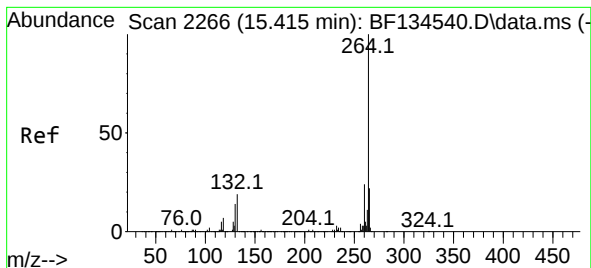
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#83
Chrysene
Concen: 47.094 ng m
RT: 14.004 min Scan# 2026
Delta R.T. 0.006 min
Lab File: BF134739.D
Acq: 11 Aug 2023 18:42

Tgt Ion:228 Resp: 1078589
Ion Ratio Lower Upper
228 100
226 30.8 24.5 36.7
229 22.9 15.8 23.8





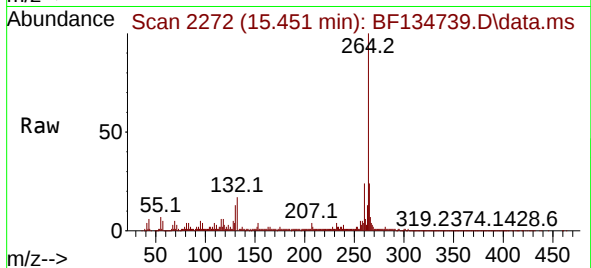
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.451 min Scan# 21
Delta R.T. 0.012 min
Lab File: BF134739.D
Acq: 11 Aug 2023 18:42

Instrument :

BNA_F

ClientSampleId :

EO-01-081023



Tgt Ion:264 Resp: 258819
Ion Ratio Lower Upper
264 100
260 23.9 18.4 27.6
265 23.6 15.8 23.8

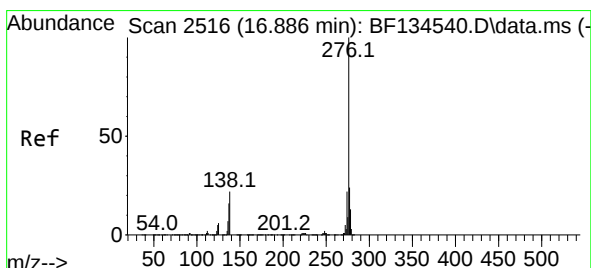
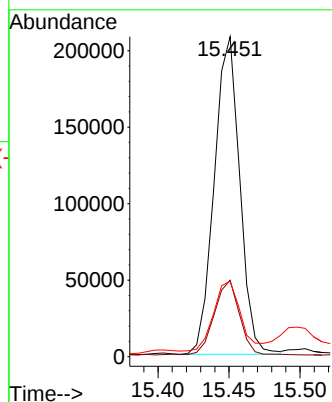
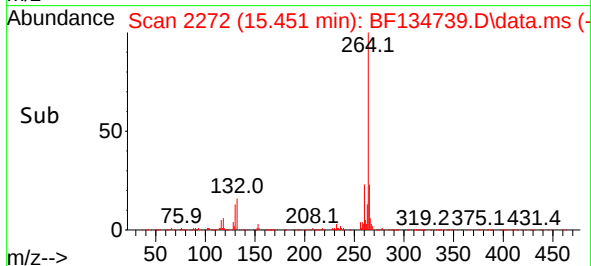
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Reviewed By :Yogesh
Patel

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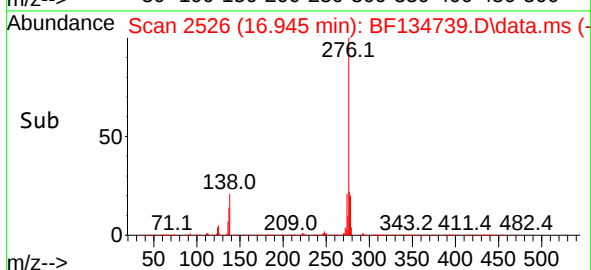
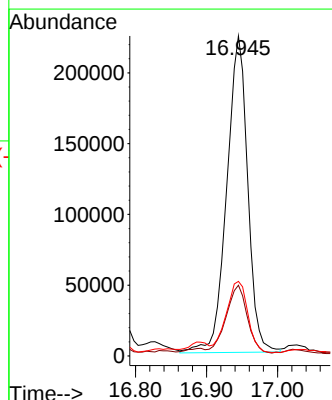
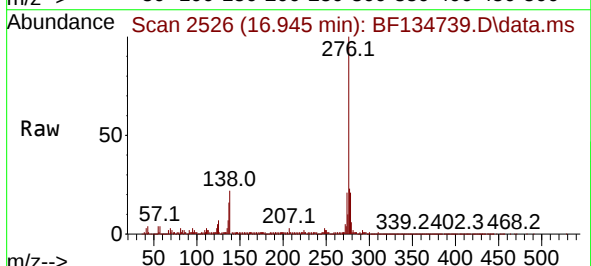
Supervised By :mohammad
ahmed

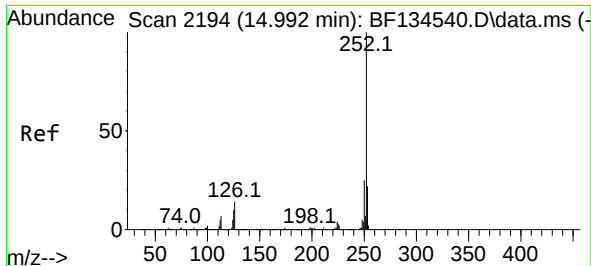
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#87
Indeno(1,2,3-cd)pyrene
Concen: 30.129 ng
RT: 16.945 min Scan# 2526
Delta R.T. 0.018 min
Lab File: BF134739.D
Acq: 11 Aug 2023 18:42

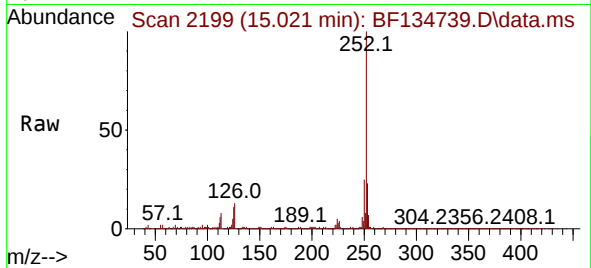
Tgt Ion:276 Resp: 458616
Ion Ratio Lower Upper
276 100
138 21.7 14.2 21.4#
277 23.0 19.9 29.9





#88
Benzo(b)fluoranthene
Concen: 73.920 ng m
RT: 15.021 min Scan# 2194
Delta R.T. 0.012 min
Lab File: BF134739.D
Acq: 11 Aug 2023 18:42

Instrument :
BNA_F
ClientSampleId :
EO-01-081023



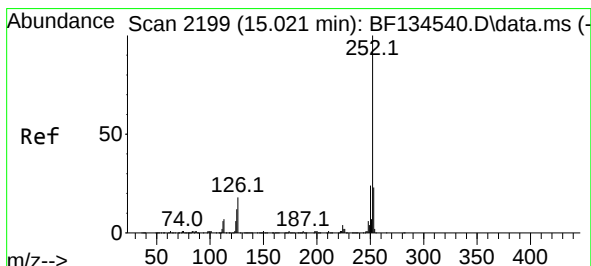
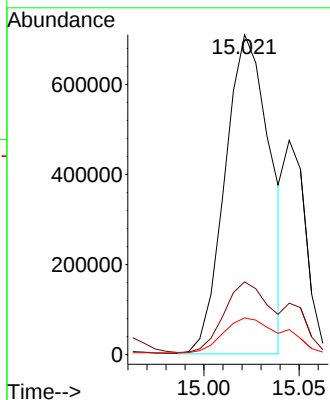
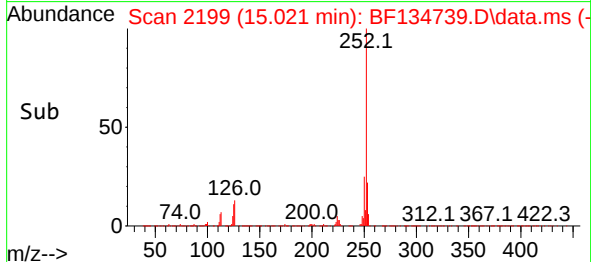
Tgt Ion:252 Resp: 1166838
Ion Ratio Lower Upper
252 100
253 22.7 17.3 25.9
125 11.5 6.0 9.0

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Reviewed By :Yogesh
Patel

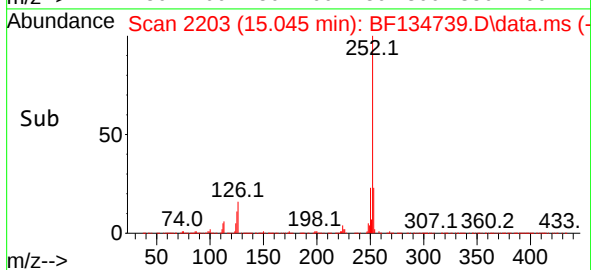
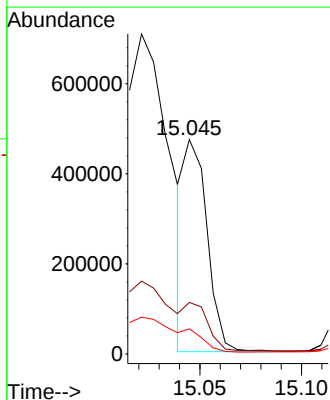
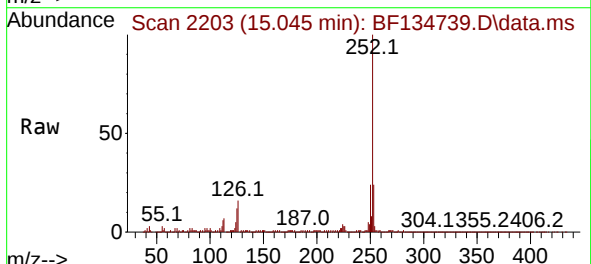
08/12/2023
Supervised By :mohammad
ahmed

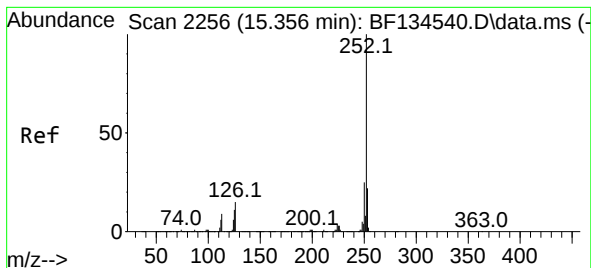
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#89
Benzo(k)fluoranthene
Concen: 23.334 ng m
RT: 15.045 min Scan# 2203
Delta R.T. 0.006 min
Lab File: BF134739.D
Acq: 11 Aug 2023 18:42

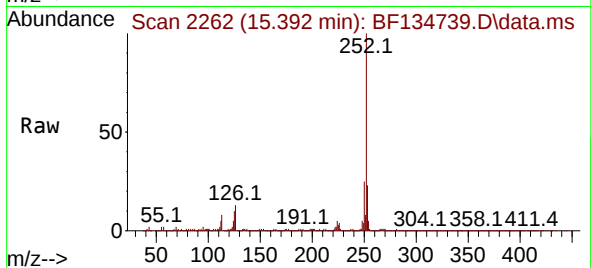
Tgt Ion:252 Resp: 366911
Ion Ratio Lower Upper
252 100
253 24.0 17.9 26.9
125 11.7 6.3 9.5





#90
Benzo(a)pyrene
Concen: 53.009 ng
RT: 15.392 min Scan# 21
Delta R.T. 0.012 min
Lab File: BF134739.D
Acq: 11 Aug 2023 18:42

Instrument :
BNA_F
ClientSampleId :
EO-01-081023



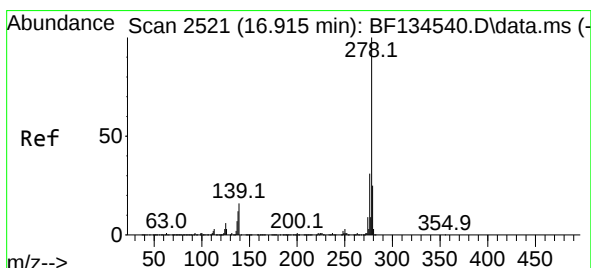
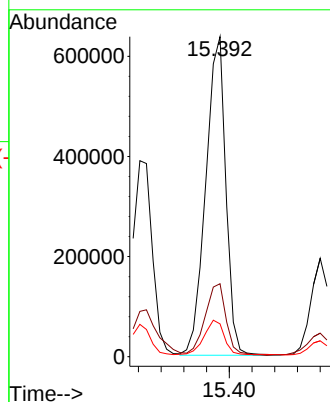
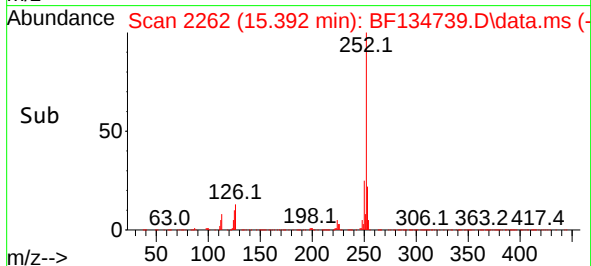
Tgt Ion:252 Resp: 780170
Ion Ratio Lower Upper
252 100
253 22.8 17.0 25.4
125 10.2 6.2 9.4

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Reviewed By :Yogesh
Patel

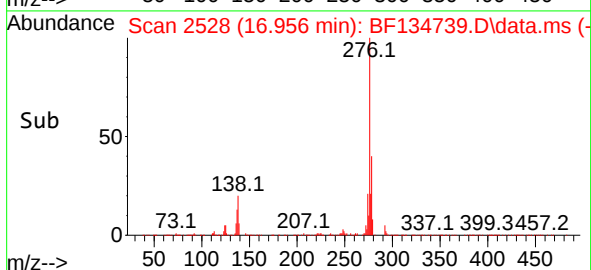
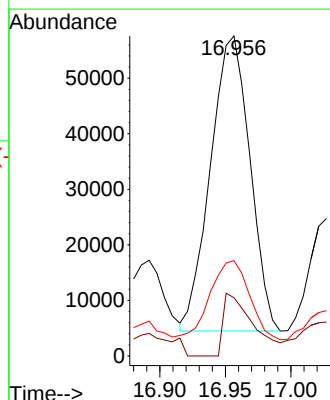
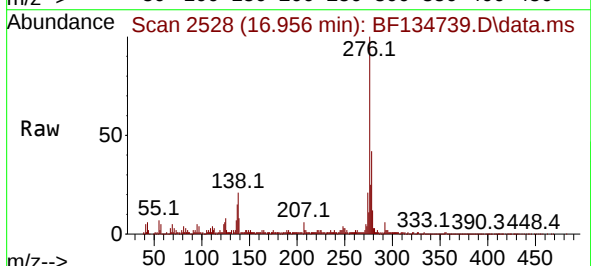
08/12/2023
Supervised By :mohammad
ahmed

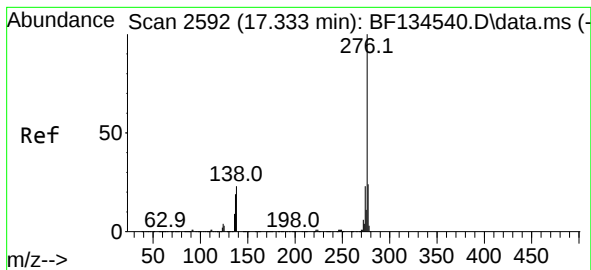
08/12/2023



#91
Dibenzo(a,h)anthracene
Concen: 9.029 ng
RT: 16.956 min Scan# 2528
Delta R.T. 0.006 min
Lab File: BF134739.D
Acq: 11 Aug 2023 18:42

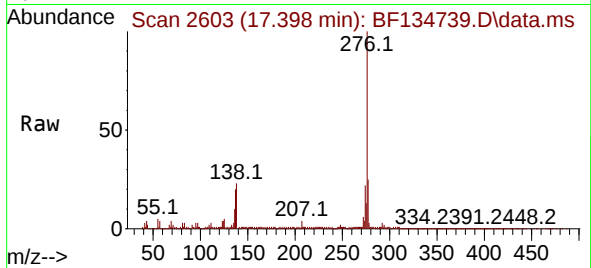
Tgt Ion:278 Resp: 111068
Ion Ratio Lower Upper
278 100
139 18.2 10.0 15.0#
279 29.8 19.7 29.5#





#92
Benzo(g,h,i)perylene
Concen: 32.372 ng
RT: 17.398 min Scan# 2063
Delta R.T. 0.024 min
Lab File: BF134739.D
Acq: 11 Aug 2023 18:42

Instrument :
BNA_F
ClientSampleId :
EO-01-081023



Tgt Ion:276 Resp: 40622
Ion Ratio Lower Upper
276 100
277 24.6 19.0 28.6
138 22.8 12.2 18.2

Manual Integrations
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Reviewed By :Yogesh
Patel

08/12/2023
Supervised By :mohammad
ahmed

