

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101823\
 Data File : BF135874.D
 Acq On : 19 Oct 2023 05:00
 Operator : CG\JU
 Sample : 04858-07
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-3

Manual Integrations
 APPROVED

Reviewed By :Yogesh
 Patel

10/19/2023
 Supervised By :mohammad
 ahmed

Quant Time: Oct 19 05:28:04 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101323.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 17 01:22:00 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.740	152	75276	20.000	ng	0.00
21) Naphthalene-d8	8.016	136	253155	20.000	ng	0.00
39) Acenaphthene-d10	9.775	164	119218	20.000	ng	-0.01
64) Phenanthrene-d10	11.275	188	198151	20.000	ng	0.00
76) Chrysene-d12	13.945	240	134133	20.000	ng	0.00
86) Perylene-d12	15.421	264	109305	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.381	112	361582	77.227	ng	0.00
7) Phenol-d6	6.398	99	441406	75.558	ng	0.00
23) Nitrobenzene-d5	7.304	82	258835	56.233	ng	-0.01
42) 2,4,6-Tribromophenol	10.575	330	74494	65.118	ng	-0.01
45) 2-Fluorobiphenyl	9.092	172	442929	58.089	ng	-0.01
79) Terphenyl-d14	12.869	244	378495	52.257	ng	-0.01
Target Compounds						
						Qvalue
38) 1-Methylnaphthalene	8.834	142	15194	2.025	ng	99
49) Acenaphthylene	9.639	152	31027	2.849	ng	97
52) Acenaphthene	9.810	154	32638	4.999	ng	98
55) Dibenzofuran	9.986	168	27234	2.765	ng	# 96
58) Fluorene	10.328	166	61171	7.932	ng	98
71) Phenanthrene	11.298	178	521546	54.944	ng	100
72) Anthracene	11.351	178	142760	14.514	ng	99
73) Carbazole	11.516	167	28354	3.091	ng	98
75) Fluoranthene	12.504	202	801504	76.078	ng	99
78) Pyrene	12.733	202	746190	70.006	ng	100
81) Benzo(a)anthracene	13.933	228	367357	41.696	ng	98
83) Chrysene	13.968	228	289428	33.917	ng	97
87) Indeno(1,2,3-cd)pyrene	16.933	276	87311	14.660	ng	97
88) Benzo(b)fluoranthene	14.992	252	259892m	42.484	ng	
89) Benzo(k)fluoranthene	15.015	252	92557m	15.584	ng	
90) Benzo(a)pyrene	15.362	252	172967	30.069	ng	99
91) Dibenzo(a,h)anthracene	16.927	278	25480m	5.219	ng	
92) Benzo(g,h,i)perylene	17.392	276	76328	15.219	ng	98

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

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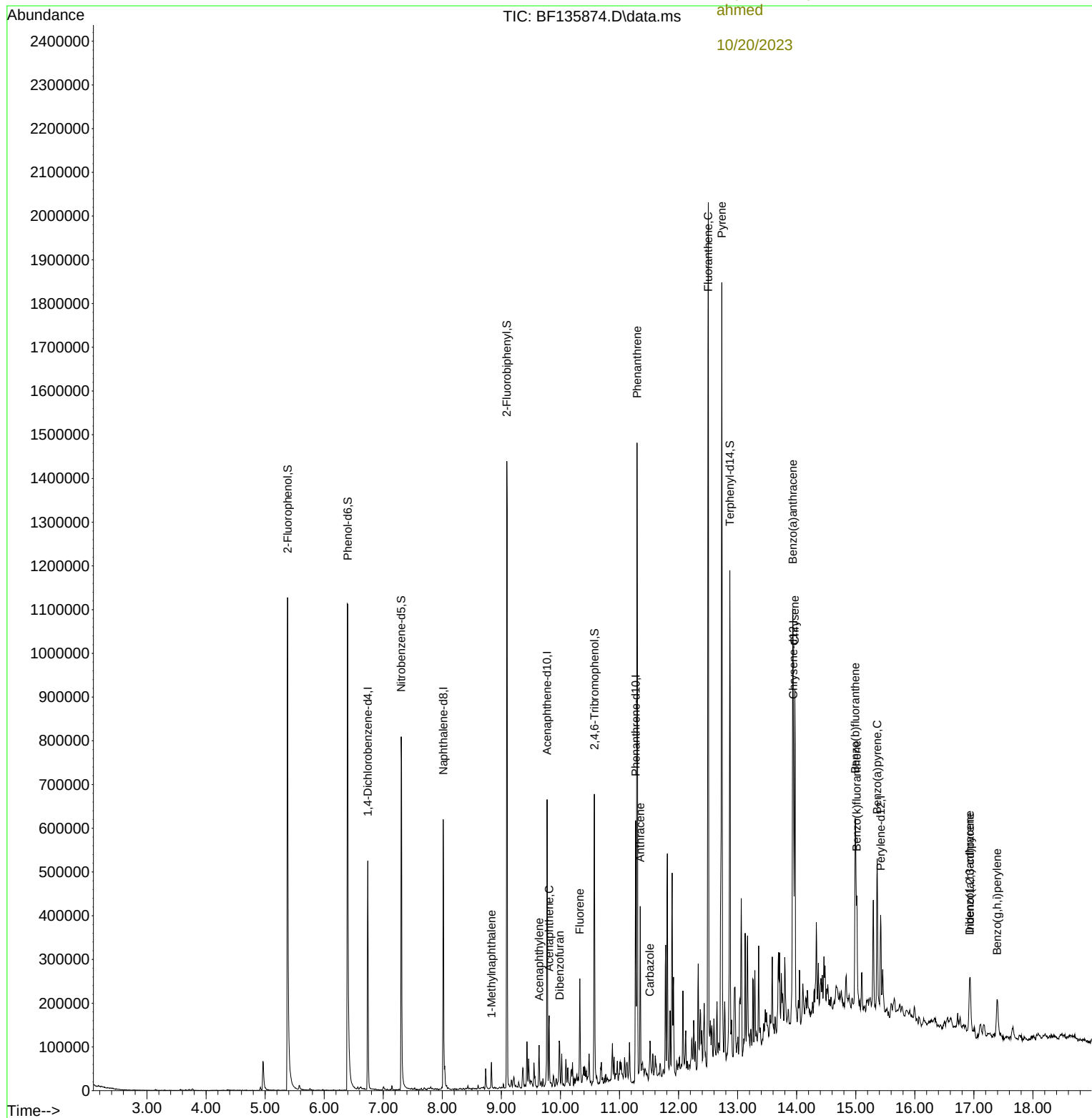
Manual Integrations
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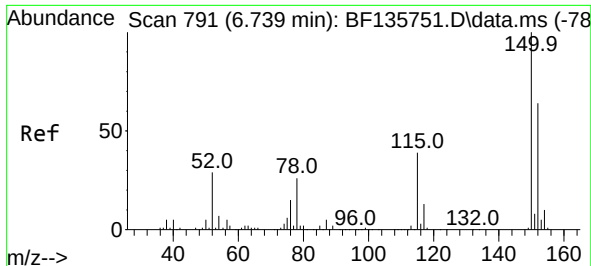
Reviewed By :Yogesh
Patel

10/19/2023
Supervised By :mohammad
ahmed

10/20/2023

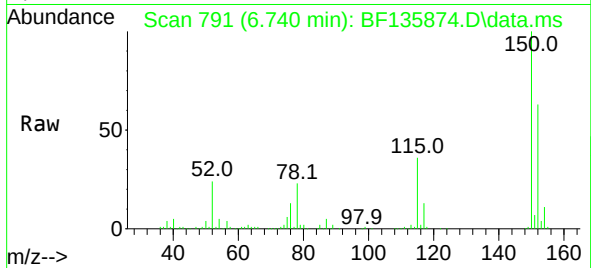
Quant Time: Oct 19 05:28:04 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101323.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 17 01:22:00 2023
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.740 min Scan# 791
Delta R.T. -0.006 min
Lab File: BF135874.D
Acq: 19 Oct 2023 05:00

Instrument :
BNA_F
ClientSampleId :
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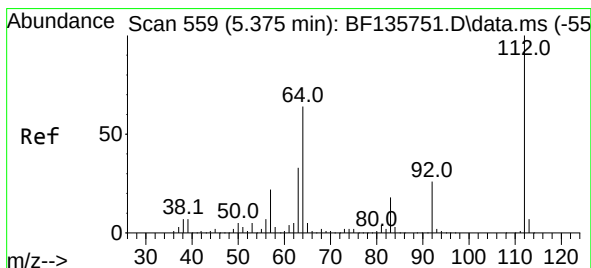
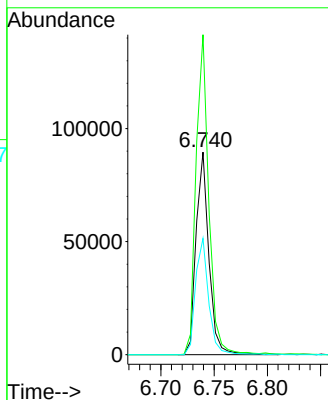
Tgt Ion:152 Resp: 75270
Ion Ratio Lower Upper
152 100
150 157.9 124.5 186.7
115 57.5 49.0 73.4

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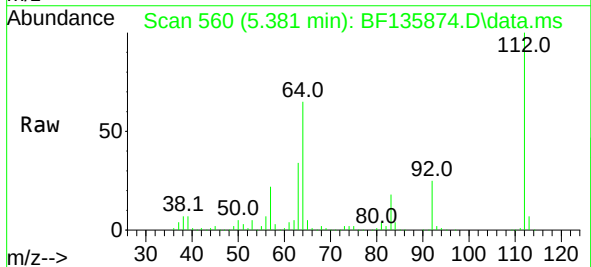
Reviewed By :Yogesh
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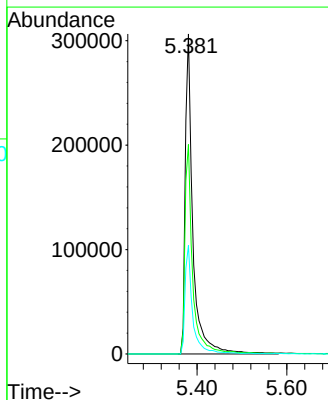
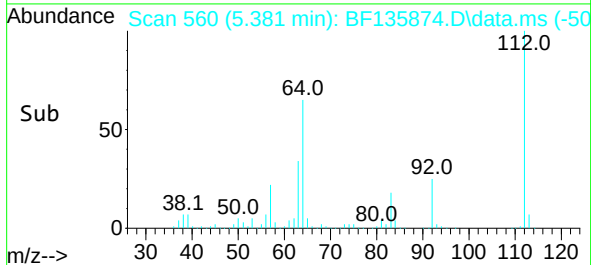
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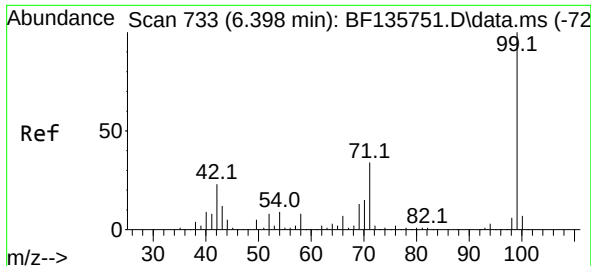


#5
2-Fluorophenol
Concen: 77.227 ng
RT: 5.381 min Scan# 560
Delta R.T. 0.006 min
Lab File: BF135874.D
Acq: 19 Oct 2023 05:00



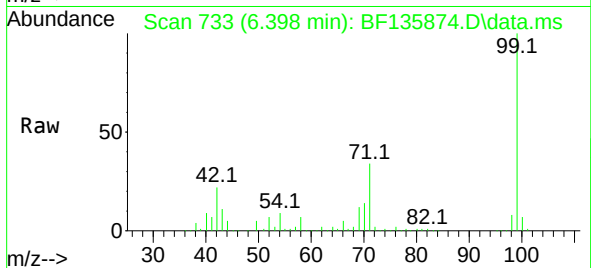
Tgt Ion:112 Resp: 361582
Ion Ratio Lower Upper
112 100
64 65.5 51.2 76.8
63 33.9 26.1 39.1





#7
Phenol-d6
Concen: 75.558 ng
RT: 6.398 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF135874.D
Acq: 19 Oct 2023 05:00

Instrument :
BNA_F
ClientSampleId :
WC-3



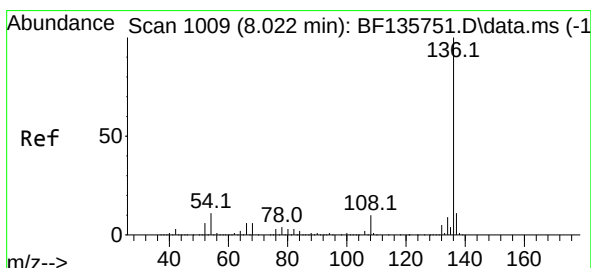
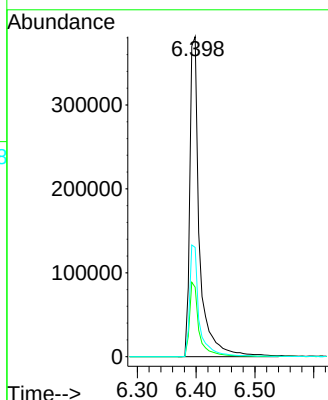
Tgt Ion: 99 Resp: 441400
Ion Ratio Lower Upper
99 100
42 21.7 18.4 27.6
71 34.1 27.2 40.8

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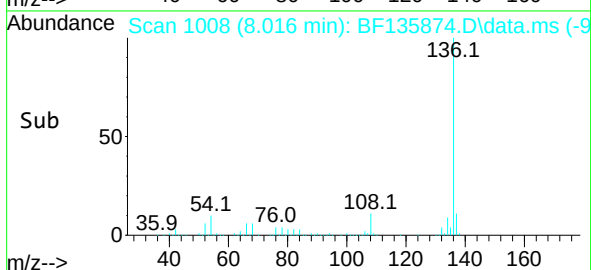
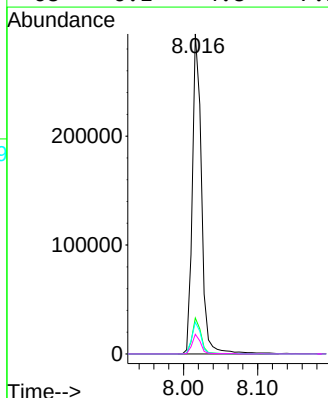
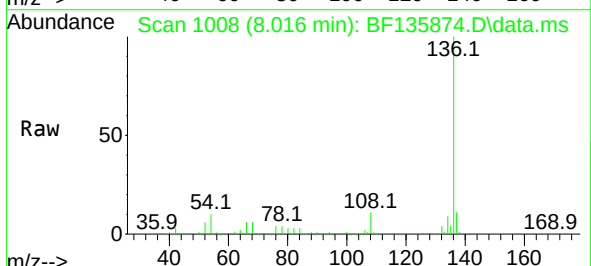
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ahmed

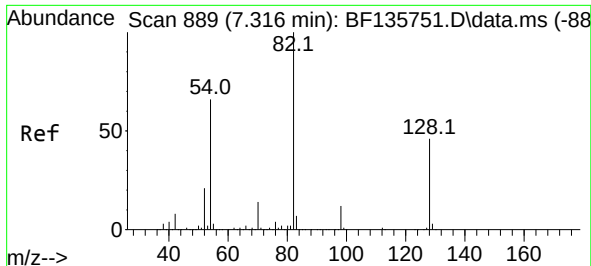
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#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.016 min Scan# 1008
Delta R.T. -0.006 min
Lab File: BF135874.D
Acq: 19 Oct 2023 05:00

Tgt Ion:136 Resp: 253155
Ion Ratio Lower Upper
136 100
137 11.3 8.6 12.8
54 9.9 8.5 12.7
68 6.1 4.8 7.2





#23

Nitrobenzene-d5

Concen: 56.233 ng

RT: 7.304 min Scan# 889

Delta R.T. -0.012 min

Lab File: BF135874.D

Acq: 19 Oct 2023 05:00

Instrument :

BNA_F

ClientSampleId :

WC-3

Tgt Ion: 82 Resp: 25883

Ion Ratio Lower Upper

82 100

128 41.5 37.0 55.6

54 65.4 52.8 79.2

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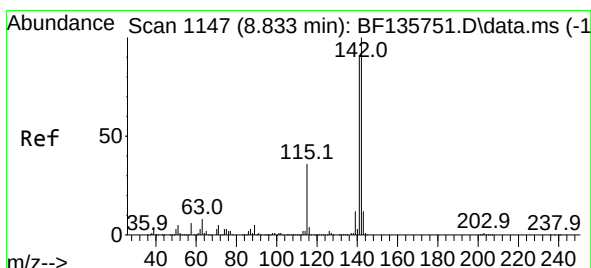
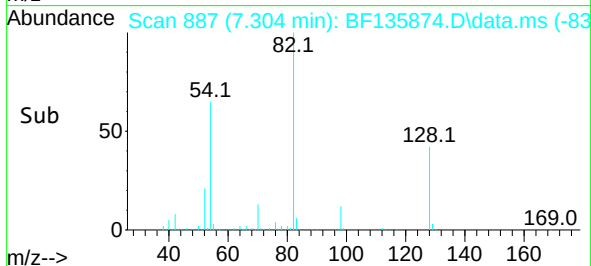
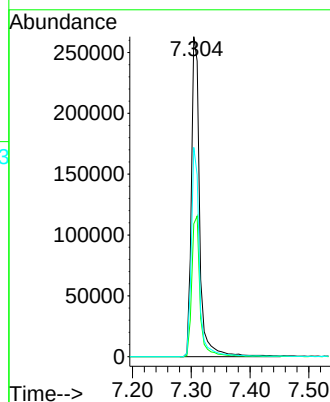
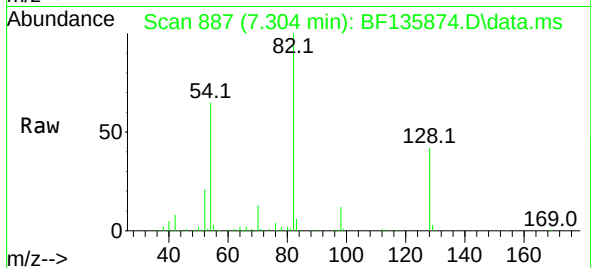
Reviewed By :Yogesh

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#38

1-Methylnaphthalene

Concen: 2.025 ng

RT: 8.834 min Scan# 1147

Delta R.T. -0.006 min

Lab File: BF135874.D

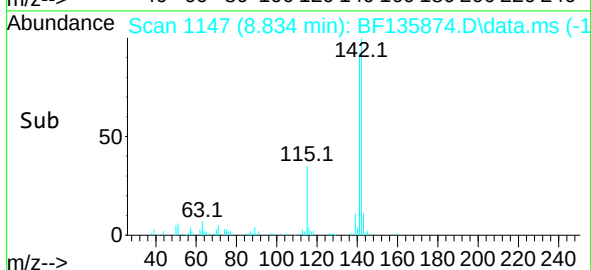
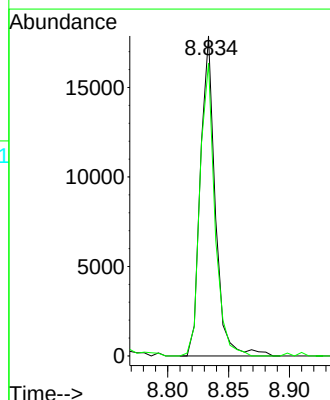
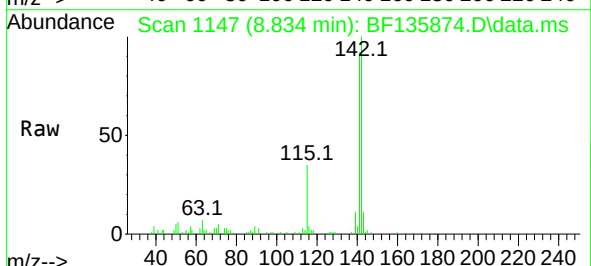
Acq: 19 Oct 2023 05:00

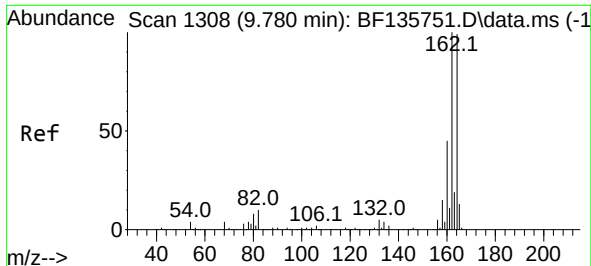
Tgt Ion:142 Resp: 15194

Ion Ratio Lower Upper

142 100

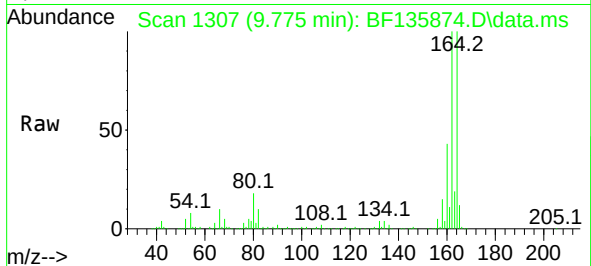
141 91.5 72.7 109.1





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.775 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF135874.D
Acq: 19 Oct 2023 05:00

Instrument :
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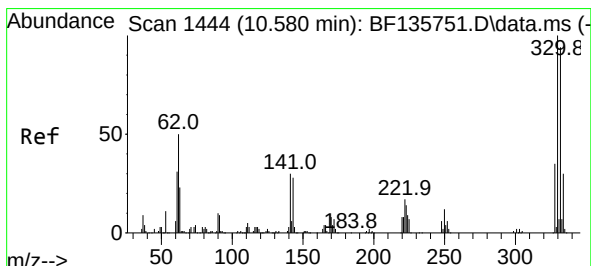
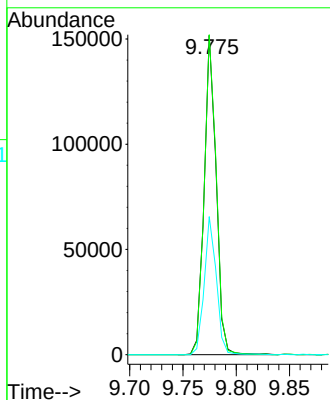
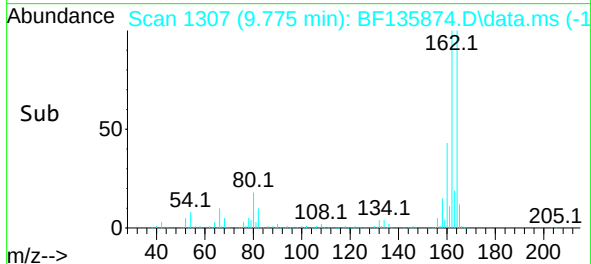
Tgt Ion:164 Resp: 119218
Ion Ratio Lower Upper
164 100
162 100.2 80.8 121.2
160 43.3 36.6 54.8

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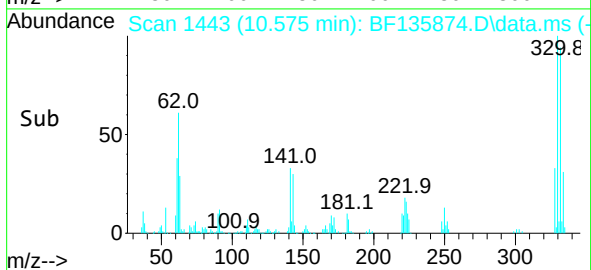
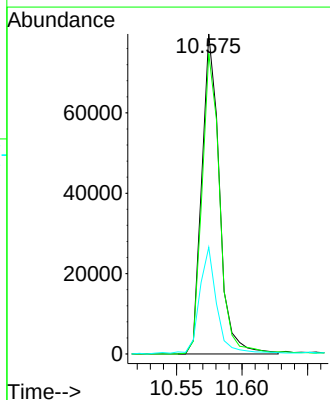
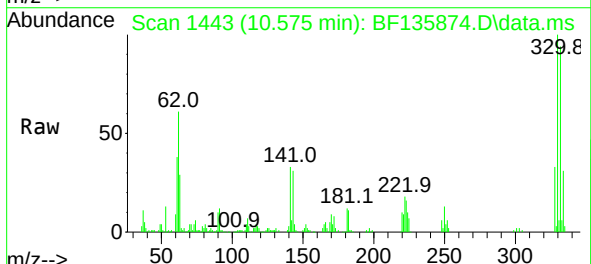
10/19/2023
Supervised By :mohammad
ahmed

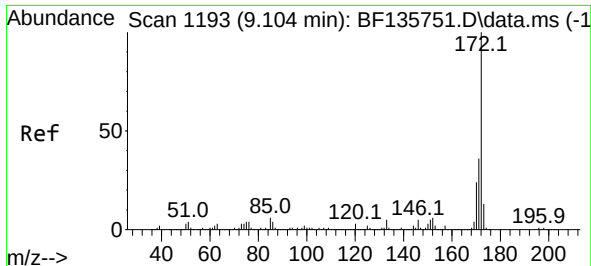
10/20/2023



#42
2,4,6-Tribromophenol
Concen: 65.118 ng
RT: 10.575 min Scan# 1443
Delta R.T. -0.012 min
Lab File: BF135874.D
Acq: 19 Oct 2023 05:00

Tgt Ion:330 Resp: 74494
Ion Ratio Lower Upper
330 100
332 95.6 75.0 112.4
141 33.7 25.8 38.6





#45

2-Fluorobiphenyl

Concen: 58.089 ng

RT: 9.092 min Scan# 1193

Delta R.T. -0.012 min

Lab File: BF135874.D

Acq: 19 Oct 2023 05:00

Instrument :

BNA_F

ClientSampleId :

WC-3

Tgt Ion:172 Resp: 442929

Ion	Ratio	Lower	Upper
172	100		
171	34.7	28.4	42.6
170	23.2	18.8	28.2

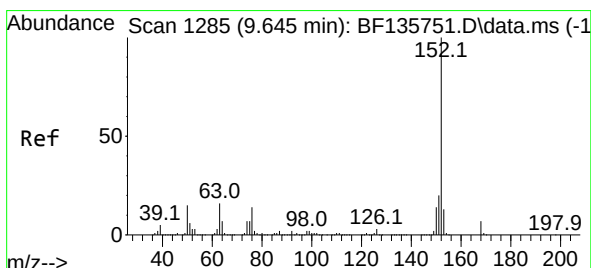
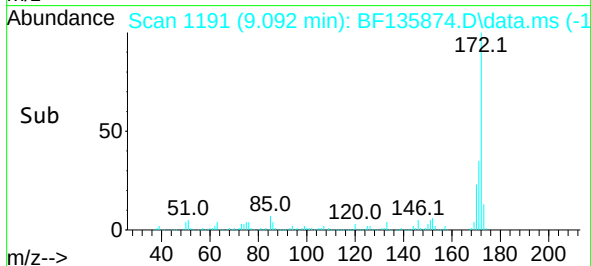
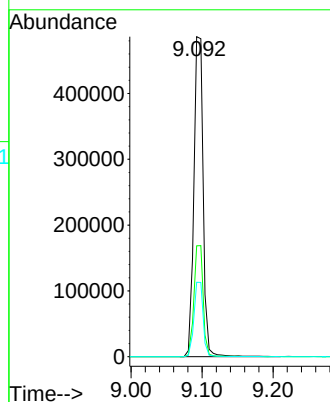
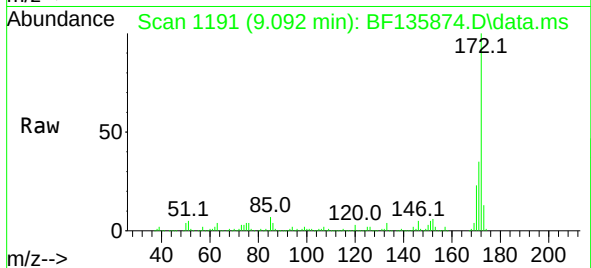
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ahmed

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#49

Acenaphthylene

Concen: 2.849 ng

RT: 9.639 min Scan# 1284

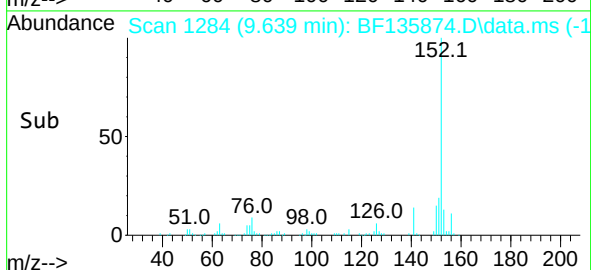
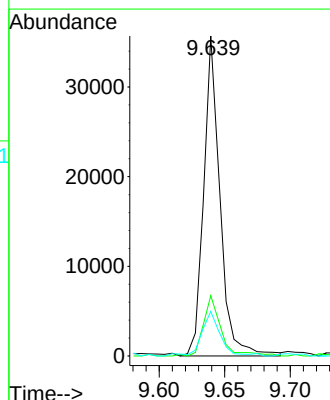
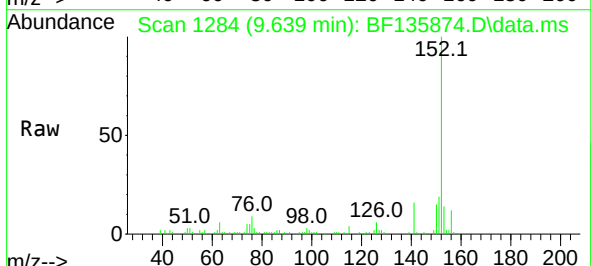
Delta R.T. -0.006 min

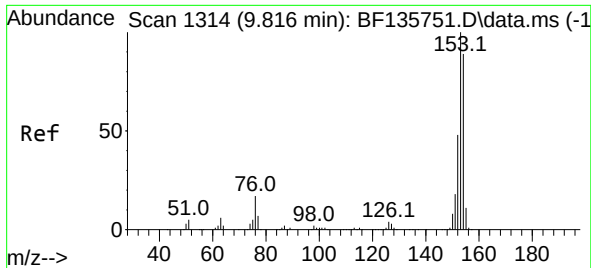
Lab File: BF135874.D

Acq: 19 Oct 2023 05:00

Tgt Ion:152 Resp: 31027

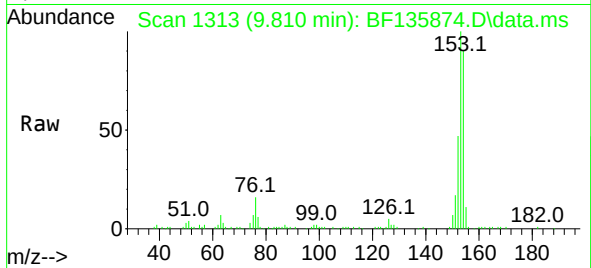
Ion	Ratio	Lower	Upper
152	100		
151	18.8	16.2	24.2
153	13.9	10.2	15.4





#52
Acenaphthene
Concen: 4.999 ng
RT: 9.810 min Scan# 1314
Delta R.T. -0.006 min
Lab File: BF135874.D
Acq: 19 Oct 2023 05:00

Instrument :
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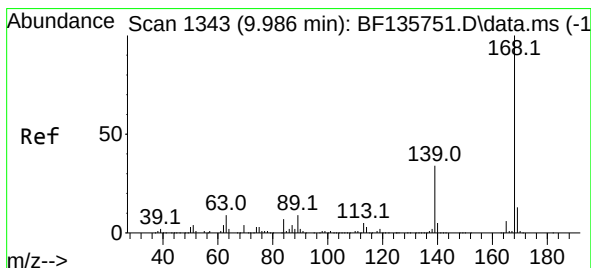
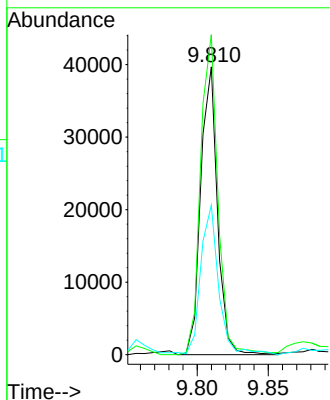
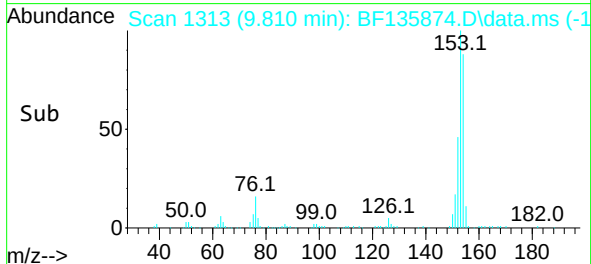
Tgt Ion:154 Resp: 32638
Ion Ratio Lower Upper
154 100
153 111.2 90.1 135.1
152 51.9 43.1 64.7

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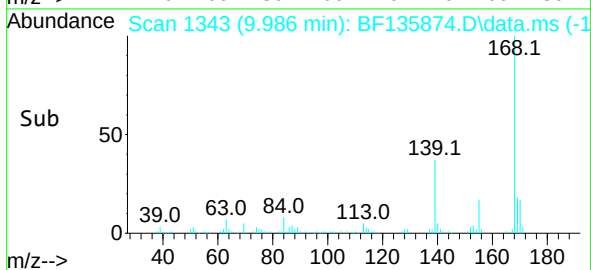
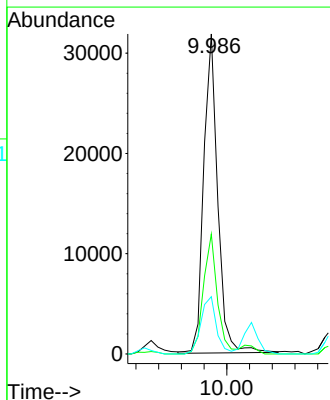
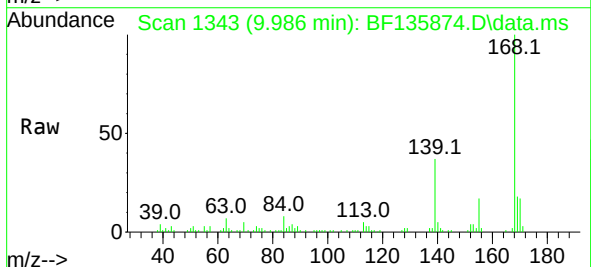
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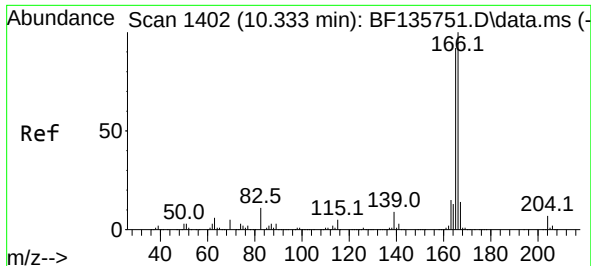
10/20/2023



#55
Dibenzofuran
Concen: 2.765 ng
RT: 9.986 min Scan# 1343
Delta R.T. -0.006 min
Lab File: BF135874.D
Acq: 19 Oct 2023 05:00

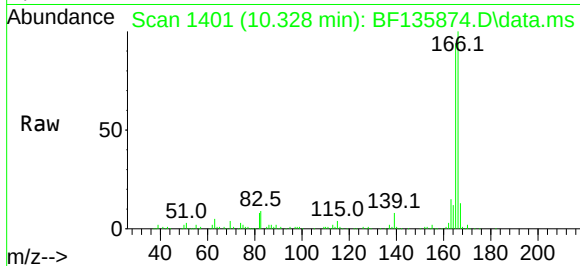
Tgt Ion:168 Resp: 27234
Ion Ratio Lower Upper
168 100
139 37.5 31.0 46.4
169 17.9 10.7 16.1#





#58
Fluorene
Concen: 7.932 ng
RT: 10.328 min Scan# 1401
Delta R.T. -0.012 min
Lab File: BF135874.D
Acq: 19 Oct 2023 05:00

Instrument :
BNA_F
ClientSampleId :
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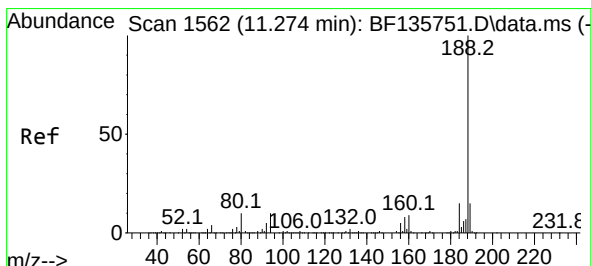
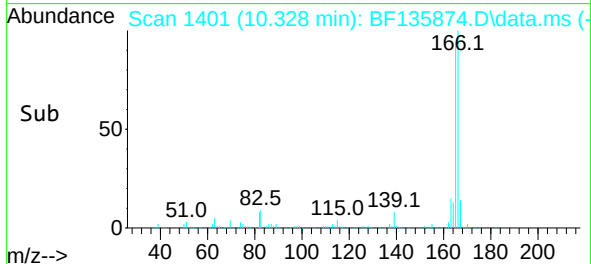
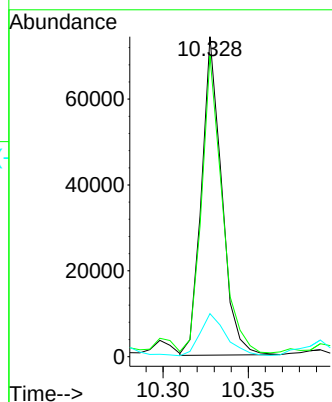
Tgt Ion:166 Resp: 6117
Ion Ratio Lower Upper
166 100
165 94.0 73.4 110.0
167 13.5 11.0 16.6

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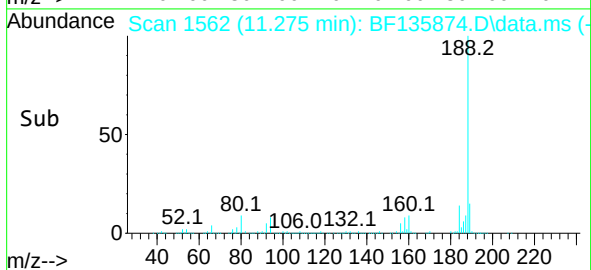
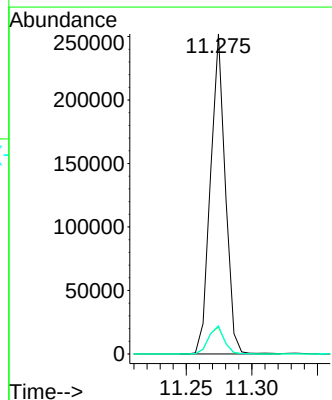
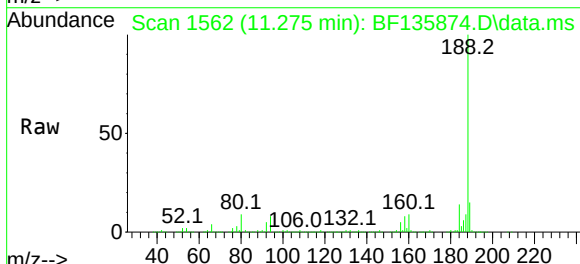
10/19/2023
Supervised By :mohammad
ahmed

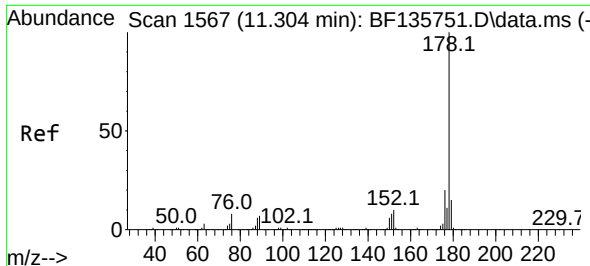
10/20/2023



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.275 min Scan# 1562
Delta R.T. -0.006 min
Lab File: BF135874.D
Acq: 19 Oct 2023 05:00

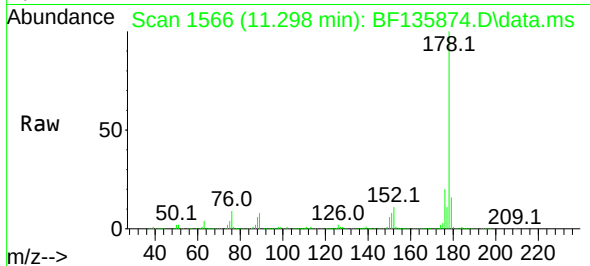
Tgt Ion:188 Resp: 198151
Ion Ratio Lower Upper
188 100
94 8.5 8.0 12.0
80 8.8 8.3 12.5





#71
Phenanthrene
Concen: 54.944 ng
RT: 11.298 min Scan# 1566
Delta R.T. -0.006 min
Lab File: BF135874.D
Acq: 19 Oct 2023 05:00

Instrument :
BNA_F
ClientSampleId :
WC-3



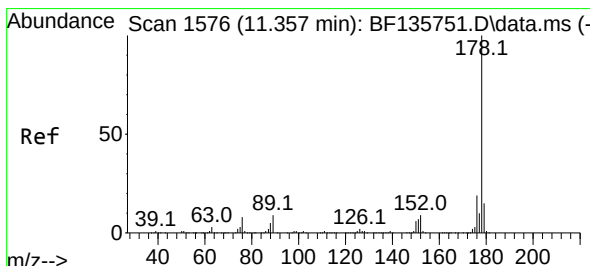
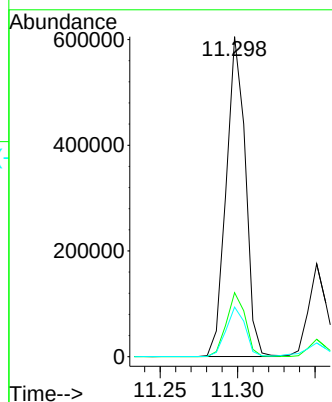
Tgt Ion:178 Resp: 521540
Ion Ratio Lower Upper
178 100
176 20.0 16.0 24.0
179 15.5 12.2 18.4

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Reviewed By :Yogesh
Patel

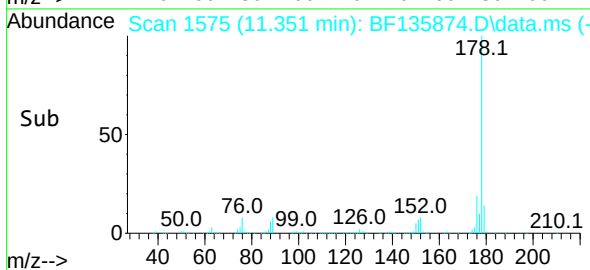
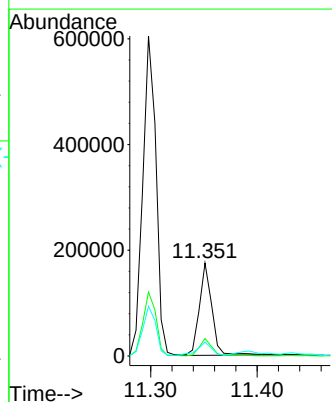
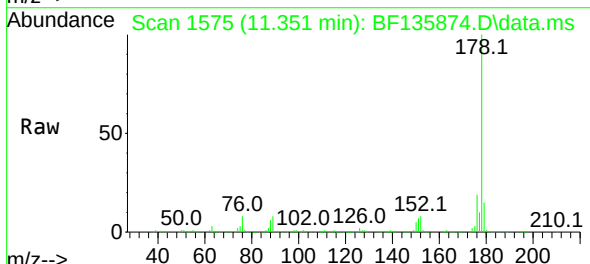
10/19/2023
Supervised By :mohammad
ahmed

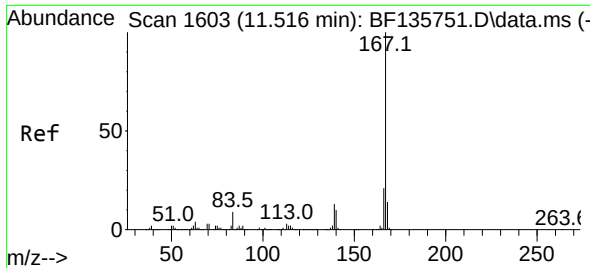
10/20/2023



#72
Anthracene
Concen: 14.514 ng
RT: 11.351 min Scan# 1575
Delta R.T. -0.006 min
Lab File: BF135874.D
Acq: 19 Oct 2023 05:00

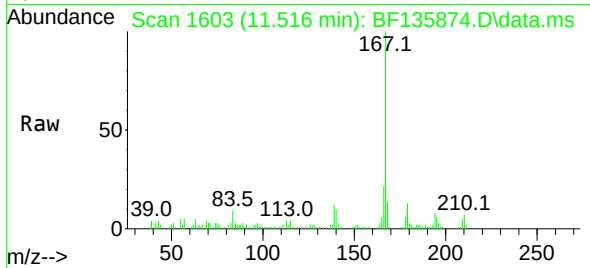
Tgt Ion:178 Resp: 142760
Ion Ratio Lower Upper
178 100
176 18.8 15.1 22.7
179 14.8 12.3 18.5





#73
 Carbazole
 Concen: 3.091 ng
 RT: 11.516 min Scan# 1603
 Delta R.T. -0.006 min
 Lab File: BF135874.D
 Acq: 19 Oct 2023 05:00

Instrument :
 BNA_F
 ClientSampleId :
 WC-3



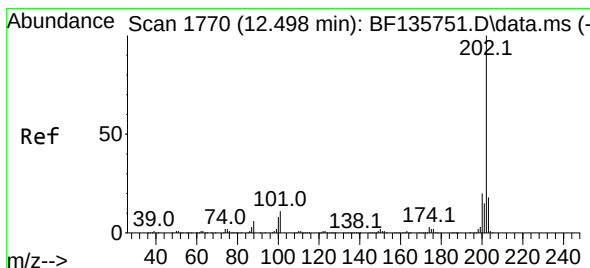
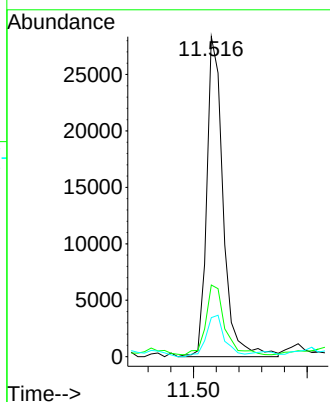
Tgt Ion:167 Resp: 28354
 Ion Ratio Lower Upper
 167 100
 166 22.4 17.1 25.7
 139 12.2 10.2 15.4

Manual Integrations
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Reviewed By :Yogesh
 Patel

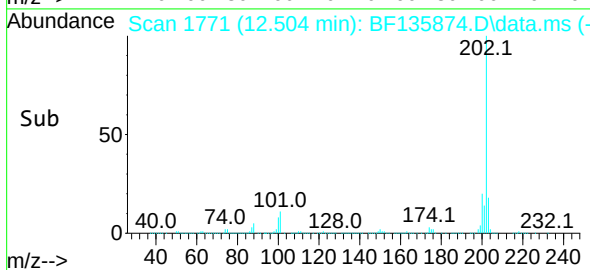
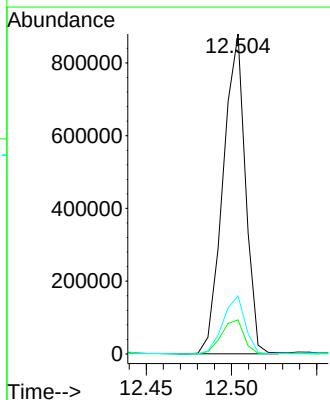
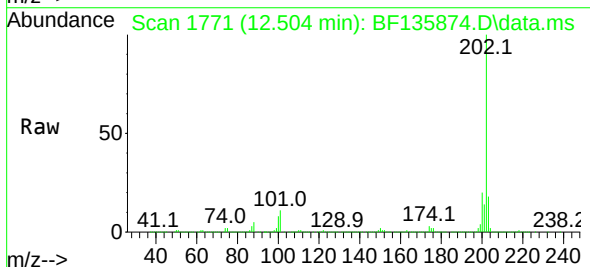
10/19/2023
 Supervised By :mohammad
 ahmed

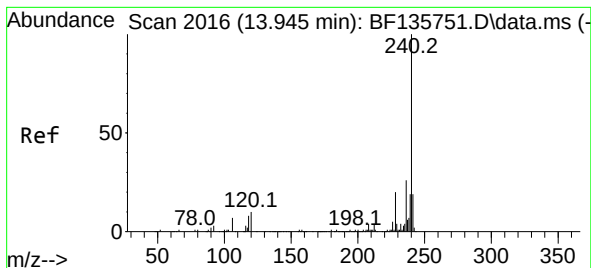
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#75
 Fluoranthene
 Concen: 76.078 ng
 RT: 12.504 min Scan# 1771
 Delta R.T. -0.000 min
 Lab File: BF135874.D
 Acq: 19 Oct 2023 05:00

Tgt Ion:202 Resp: 801504
 Ion Ratio Lower Upper
 202 100
 101 10.6 0.0 31.5
 203 18.1 0.0 38.3





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.945 min Scan# 2016

Delta R.T. -0.006 min

Lab File: BF135874.D

Acq: 19 Oct 2023 05:00

Instrument :

BNA_F

ClientSampleId :

WC-3

Tgt Ion:240 Resp: 13413
 Ion Ratio Lower Upper
 240 100
 120 10.9 8.2 12.2
 236 26.9 21.2 31.8

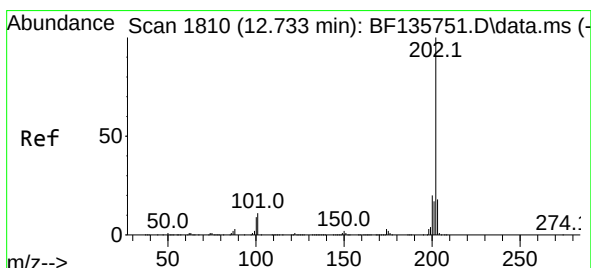
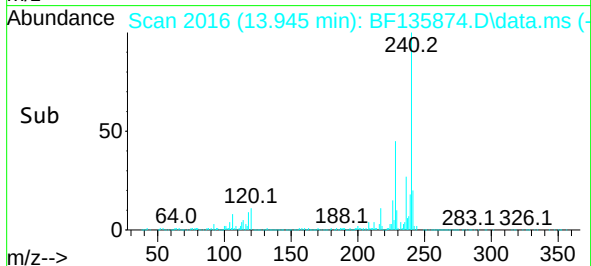
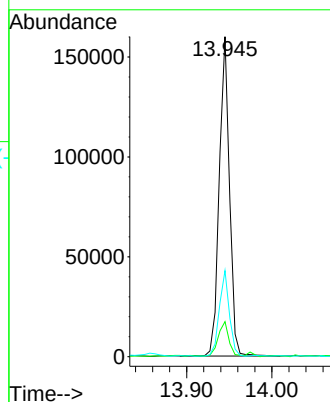
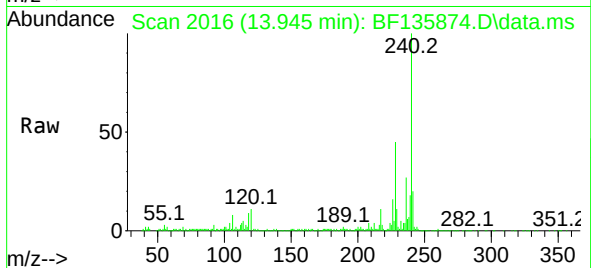
Manual Integrations
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Reviewed By :Yogesh
 Patel

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 ahmed

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#78

Pyrene

Concen: 70.006 ng

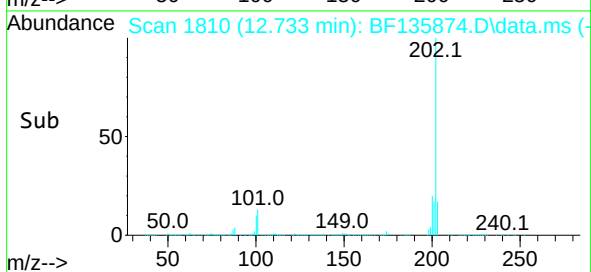
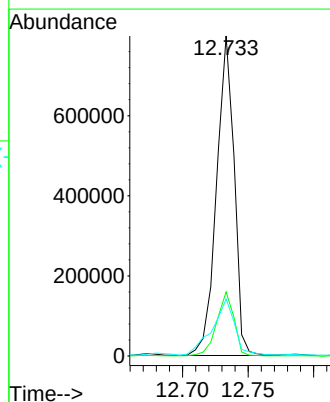
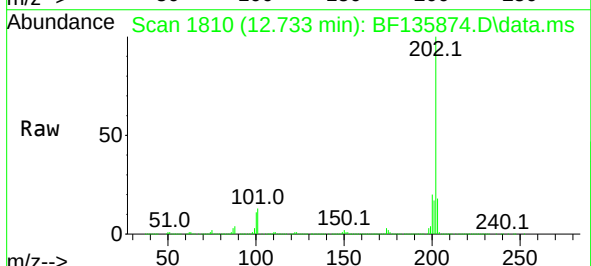
RT: 12.733 min Scan# 1810

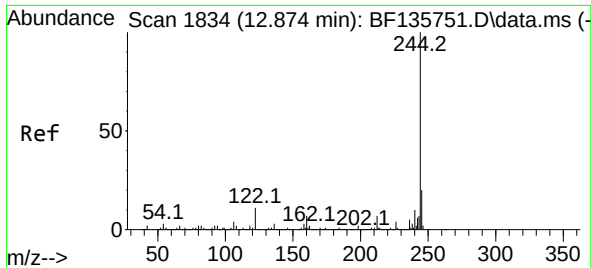
Delta R.T. -0.000 min

Lab File: BF135874.D

Acq: 19 Oct 2023 05:00

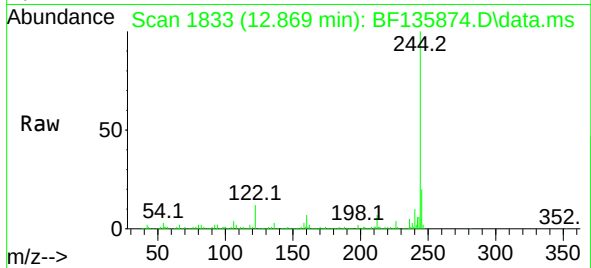
Tgt Ion:202 Resp: 746190
 Ion Ratio Lower Upper
 202 100
 200 20.0 16.1 24.1
 203 17.8 14.2 21.2





#79
Terphenyl-d14
Concen: 52.257 ng
RT: 12.869 min Scan# 1834
Delta R.T. -0.012 min
Lab File: BF135874.D
Acq: 19 Oct 2023 05:00

Instrument :
BNA_F
ClientSampleId :
WC-3



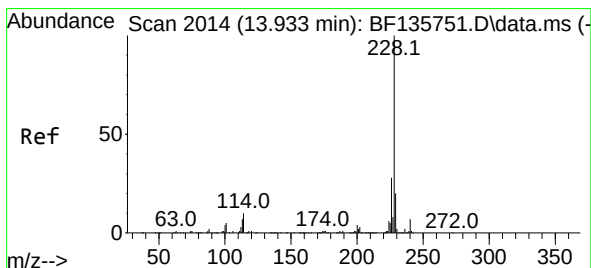
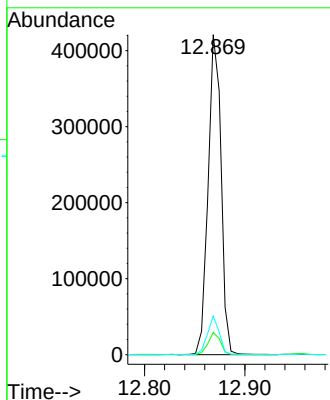
Tgt Ion:244 Resp: 378495
Ion Ratio Lower Upper
244 100
212 7.0 5.6 8.4
122 12.1 9.0 13.6

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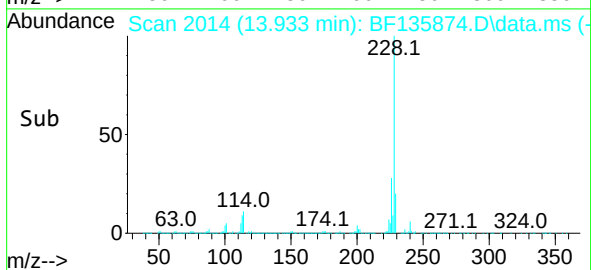
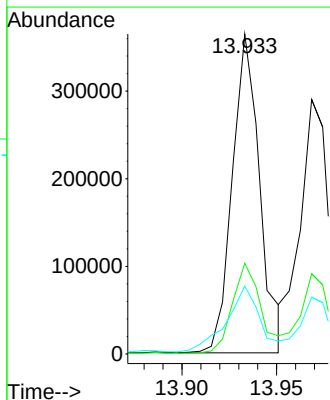
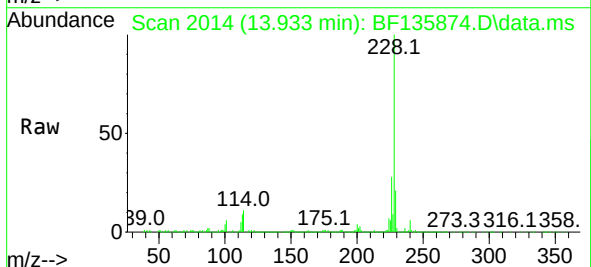
10/19/2023
Supervised By :mohammad
ahmed

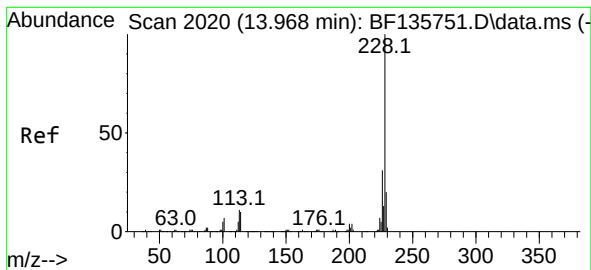
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#81
Benzo(a)anthracene
Concen: 41.696 ng
RT: 13.933 min Scan# 2014
Delta R.T. -0.006 min
Lab File: BF135874.D
Acq: 19 Oct 2023 05:00

Tgt Ion:228 Resp: 367357
Ion Ratio Lower Upper
228 100
226 28.3 22.2 33.2
229 21.2 16.1 24.1





#83

Chrysene

Concen: 33.917 ng

RT: 13.968 min Scan# 2020

Delta R.T. -0.006 min

Lab File: BF135874.D

Acq: 19 Oct 2023 05:00

Instrument :

BNA_F

ClientSampleId :

WC-3

Tgt Ion:228	Resp: 289428
Ion Ratio	Lower Upper
228 100	
226 31.5	24.4 36.6
229 22.3	15.7 23.5

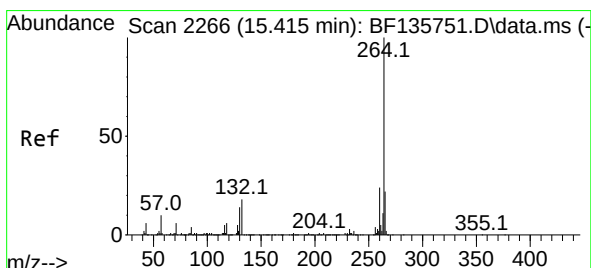
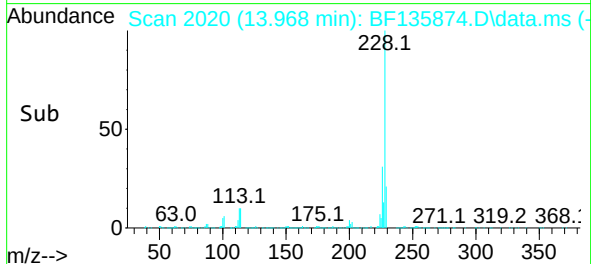
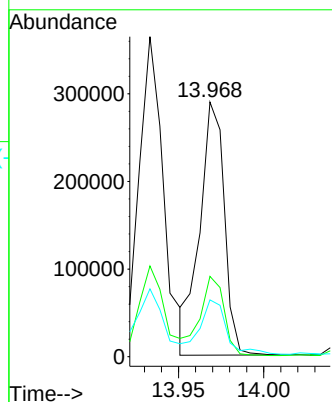
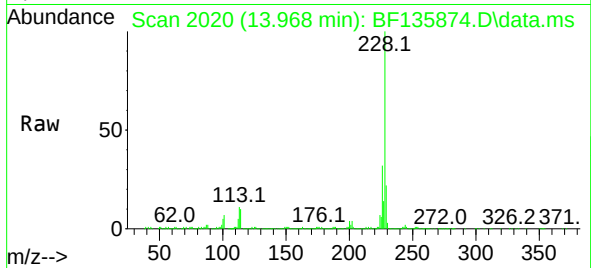
Manual Integrations
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Reviewed By :Yogesh
Patel

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Supervised By :mohammad
ahmed

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#86

Perylene-d12

Concen: 20.000 ng

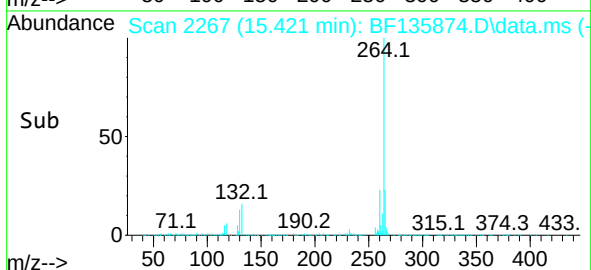
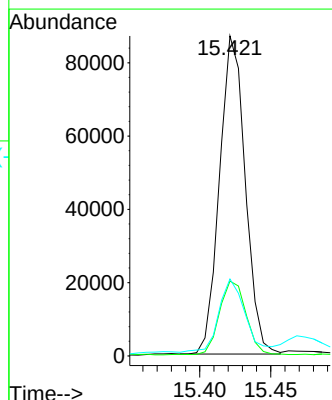
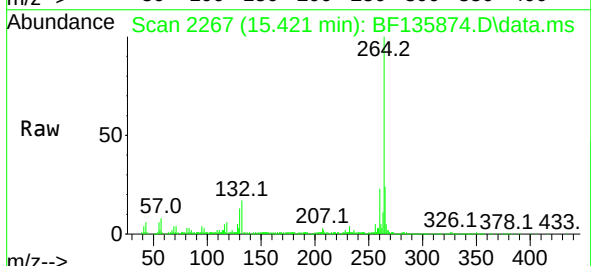
RT: 15.421 min Scan# 2267

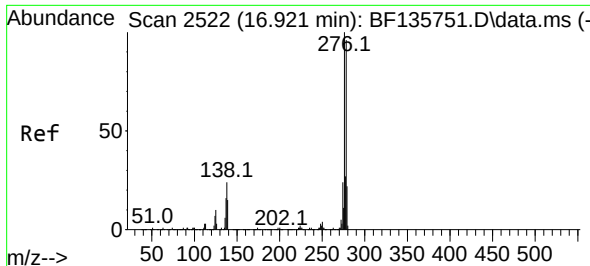
Delta R.T. -0.000 min

Lab File: BF135874.D

Acq: 19 Oct 2023 05:00

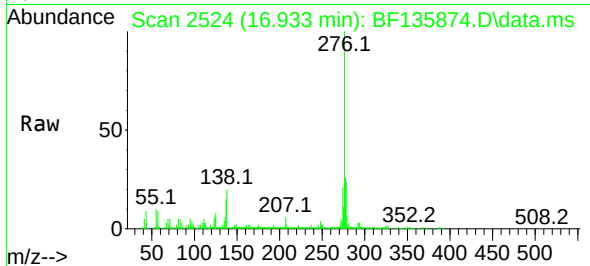
Tgt Ion:264	Resp: 109305
Ion Ratio	Lower Upper
264 100	
260 23.4	19.2 28.8
265 24.1	17.4 26.2





#87
Indeno(1,2,3-cd)pyrene
Concen: 14.660 ng
RT: 16.933 min Scan# 2193
Delta R.T. -0.000 min
Lab File: BF135874.D
Acq: 19 Oct 2023 05:00

Instrument :
BNA_F
ClientSampleId :
WC-3



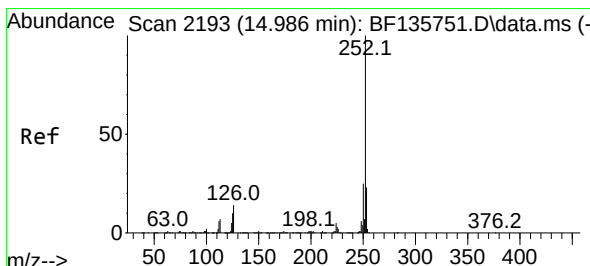
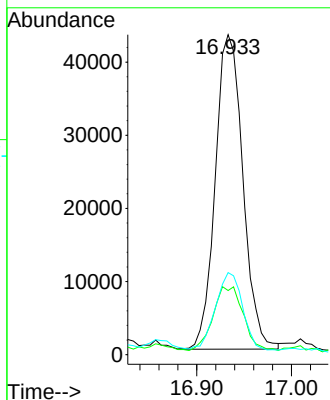
Tgt Ion:276 Resp: 8731
Ion Ratio Lower Upper
276 100
138 22.9 19.8 29.6
277 24.1 20.2 30.4

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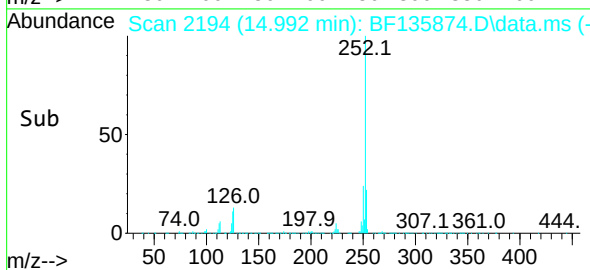
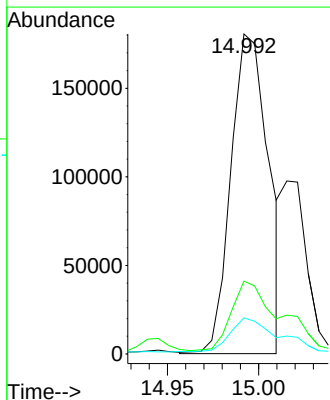
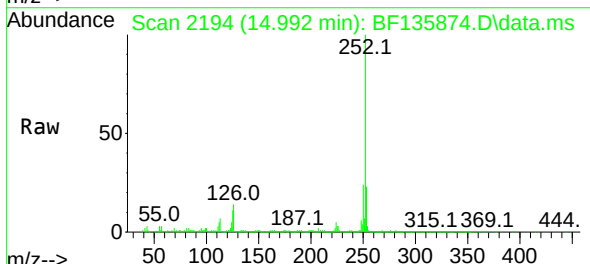
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Supervised By :mohammad
ahmed

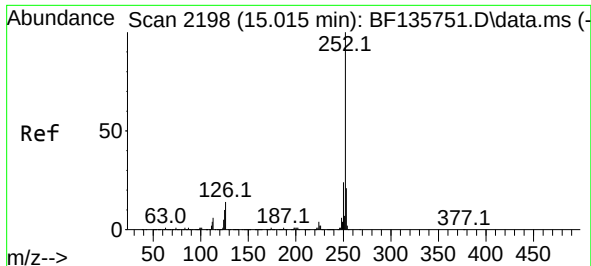
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#88
Benzo(b)fluoranthene
Concen: 42.484 ng m
RT: 14.992 min Scan# 2194
Delta R.T. -0.000 min
Lab File: BF135874.D
Acq: 19 Oct 2023 05:00

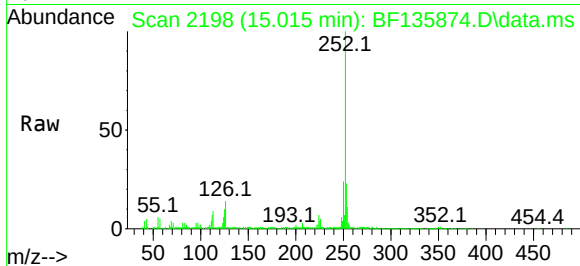
Tgt Ion:252 Resp: 259892
Ion Ratio Lower Upper
252 100
253 22.7 18.2 27.2
125 11.3 8.2 12.2





#89
Benzo(k)fluoranthene
Concen: 15.584 ng m
RT: 15.015 min Scan# 2198
Delta R.T. -0.006 min
Lab File: BF135874.D
Acq: 19 Oct 2023 05:00

Instrument :
BNA_F
ClientSampleId :
WC-3



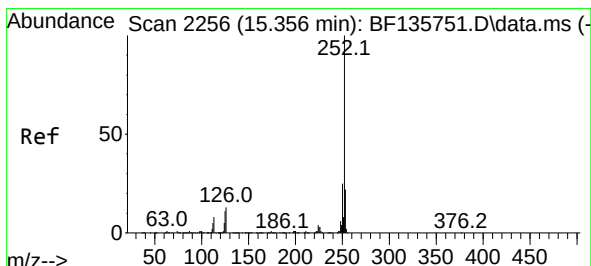
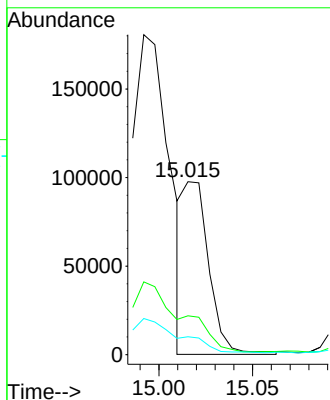
Tgt Ion:252 Resp: 9255
Ion Ratio Lower Upper
252 100
253 22.5 17.4 26.0
125 10.4 8.3 12.5

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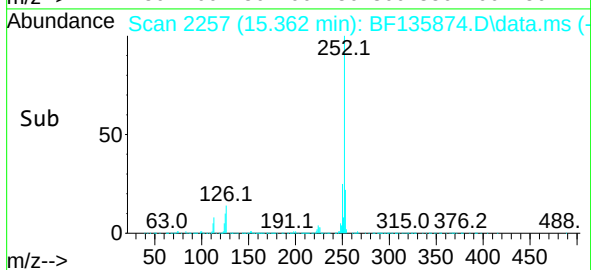
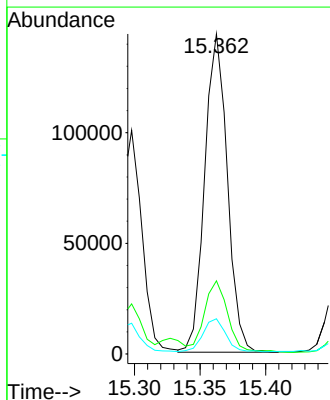
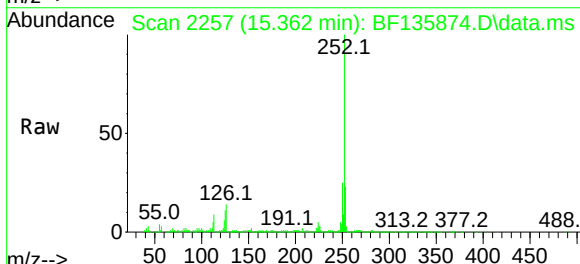
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Supervised By :mohammad
ahmed

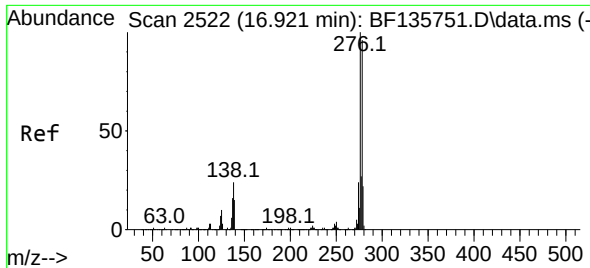
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#90
Benzo(a)pyrene
Concen: 30.069 ng
RT: 15.362 min Scan# 2257
Delta R.T. -0.000 min
Lab File: BF135874.D
Acq: 19 Oct 2023 05:00

Tgt Ion:252 Resp: 172967
Ion Ratio Lower Upper
252 100
253 22.8 17.4 26.2
125 11.0 8.8 13.2





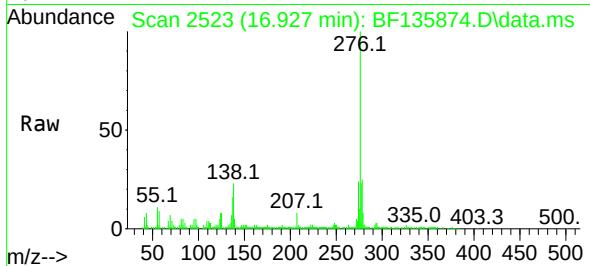
#91
Dibenzo(a,h)anthracene
Concen: 5.219 ng m
RT: 16.927 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF135874.D
Acq: 19 Oct 2023 05:00

Instrument :

BNA_F

ClientSampleId :

WC-3



Tgt Ion:278 Resp: 25480
Ion Ratio Lower Upper
278 100
139 19.2 12.5 18.7
279 31.7 18.6 27.8

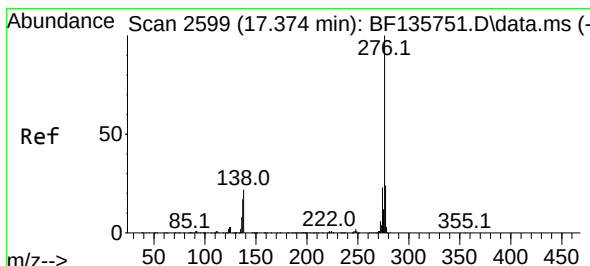
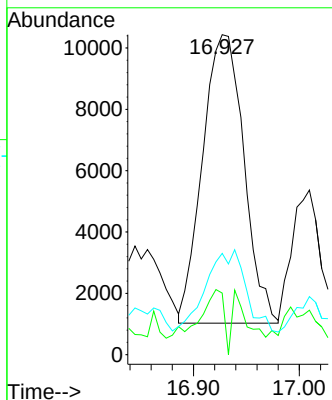
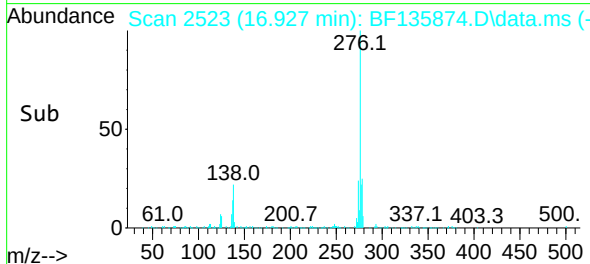
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Reviewed By :Yogesh
Patel

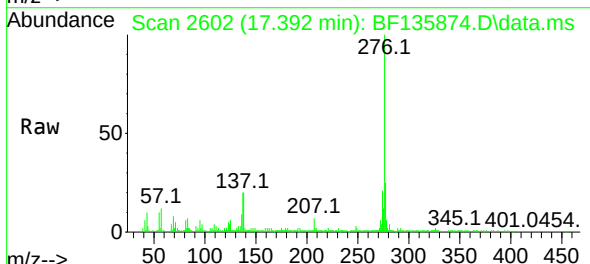
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ahmed

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#92
Benzo(g,h,i)perylene
Concen: 15.219 ng
RT: 17.392 min Scan# 2602
Delta R.T. 0.006 min
Lab File: BF135874.D
Acq: 19 Oct 2023 05:00



Tgt Ion:276 Resp: 76328
Ion Ratio Lower Upper
276 100
277 24.7 19.4 29.2
138 20.0 17.3 25.9

