

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020524\
 Data File : BF137274.D
 Acq On : 05 Feb 2024 13:11
 Operator : CG\JU
 Sample : P1340-01DL 2X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMP-1DL

Quant Time: Feb 05 13:29:38 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF013024.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 31 04:56:22 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Jagrut
 Upadhyay
 02/06/2024

Supervised By :mohammad
 ahmed
 02/07/2024

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.792	152	58322	20.000	ng	0.00
21) Naphthalene-d8	8.069	136	219645	20.000	ng	0.00
39) Acenaphthene-d10	9.822	164	109554	20.000	ng	0.00
64) Phenanthrene-d10	11.316	188	175023	20.000	ng	# 0.00
76) Chrysene-d12	13.968	240	127611	20.000	ng	0.00
86) Perylene-d12	15.451	264	94484	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.422	112	239143	67.660	ng	0.00
7) Phenol-d6	6.422	99	307621	60.987	ng	0.00
23) Nitrobenzene-d5	7.351	82	198645	40.491	ng	0.00
42) 2,4,6-Tribromophenol	10.616	330	64605	52.217	ng	0.00
45) 2-Fluorobiphenyl	9.145	172	322927	40.520	ng	0.00
79) Terphenyl-d14	12.910	244	314843	33.540	ng	-0.01
Target Compounds						Qvalue
52) Acenaphthene	9.857	154	24692	4.068	ng	96
55) Dibenzofuran	10.027	168	30144	3.122	ng	97
58) Fluorene	10.374	166	30409	4.017	ng	98
71) Phenanthrene	11.339	178	434436	47.414	ng	100
72) Anthracene	11.392	178	104668	10.960	ng	98
73) Carbazole	11.551	167	38729	4.852	ng	98
75) Fluoranthene	12.533	202	549937	57.357	ng	98
78) Pyrene	12.763	202	474373	38.682	ng	99
81) Benzo(a)anthracene	13.957	228	245854	27.204	ng	96
83) Chrysene	13.992	228	218046	24.541	ng	97
84) Bis(2-ethylhexyl)phtha...	13.962	149	9221	2.526	ng	98
87) Indeno(1,2,3-cd)pyrene	16.939	276	64750	9.754	ng	95
88) Benzo(b)fluoranthene	15.015	252	182557m	31.418	ng	
89) Benzo(k)fluoranthene	15.039	252	71792m	11.679	ng	
90) Benzo(a)pyrene	15.386	252	123197	22.530	ng	97
91) Dibenzo(a,h)anthracene	16.956	278	16267	3.058	ng	# 82
92) Benzo(g,h,i)perylene	17.386	276	56796	10.880	ng	# 95

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

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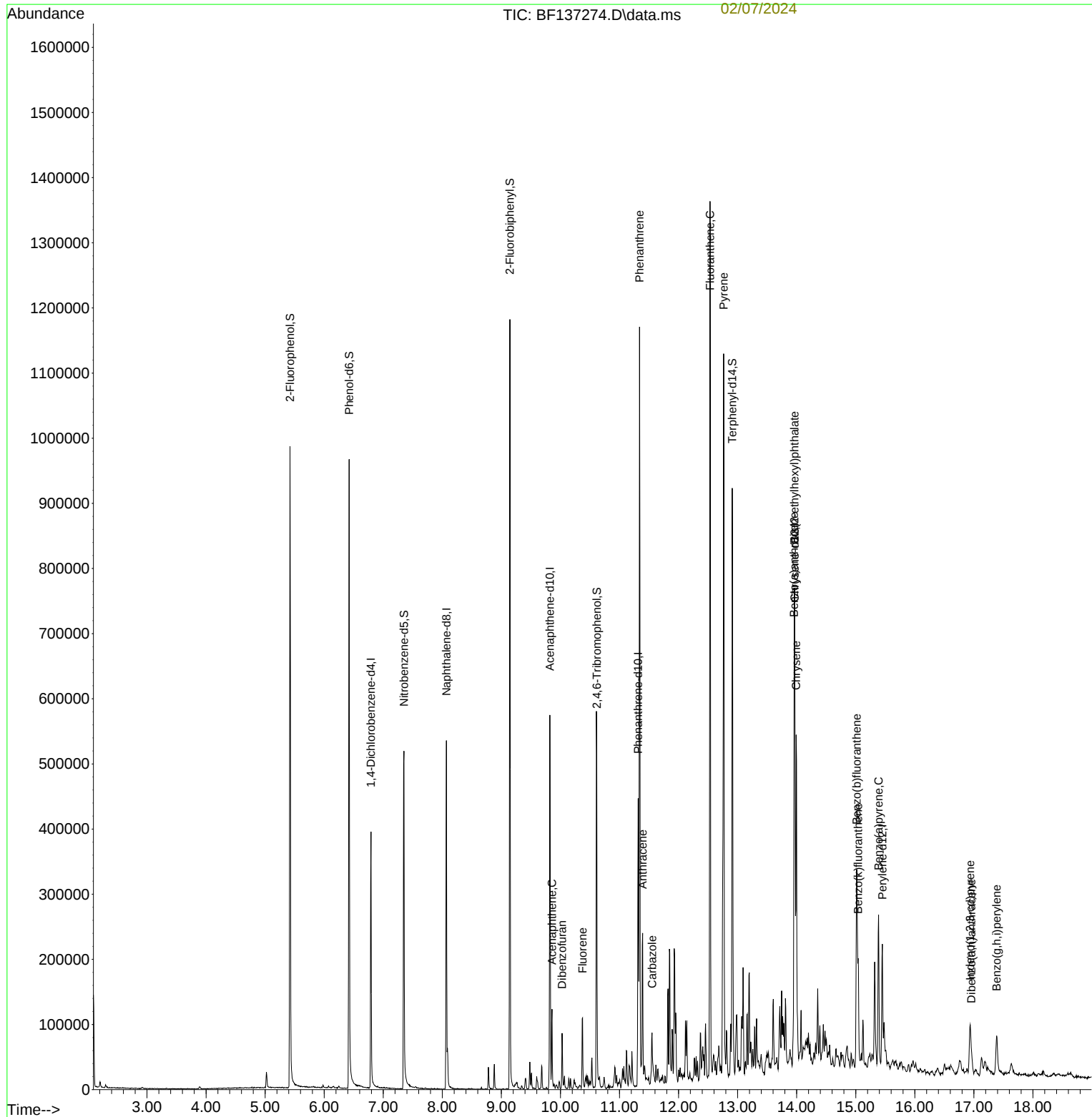
Instrument :
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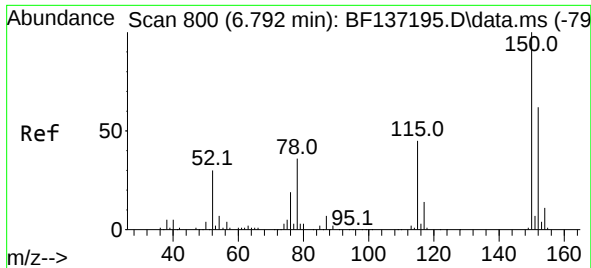
Quant Time: Feb 05 13:29:38 2024
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Upadhyay
02/06/2024

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ahmed
02/07/2024





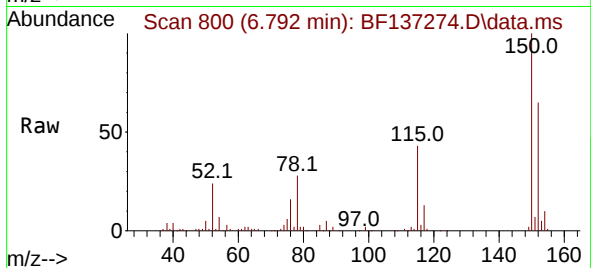
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.792 min Scan# 800
Delta R.T. 0.000 min
Lab File: BF137274.D
Acq: 05 Feb 2024 13:11

Instrument :

BNA_F

ClientSampleId :

COMP-1DL

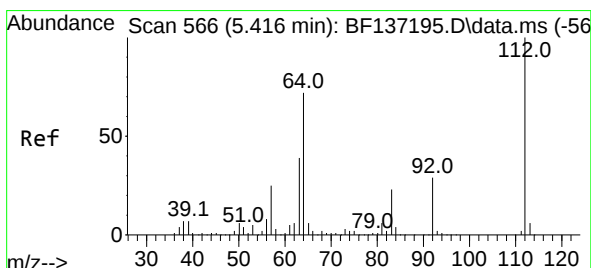
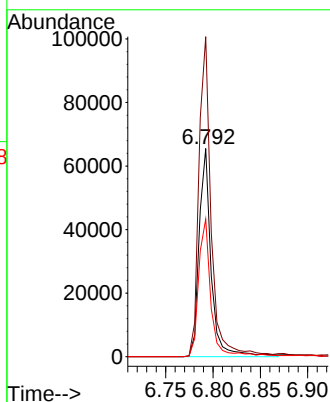
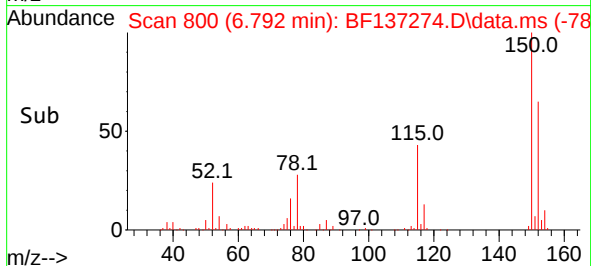


Tgt Ion:152 Resp: 5832
Ion Ratio Lower Upper
152 100
150 153.7 129.8 194.8
115 66.1 58.5 87.7

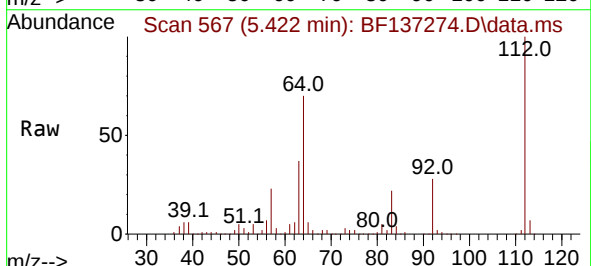
Manual Integrations
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Reviewed By :Jagrut
Upadhyay
02/06/2024

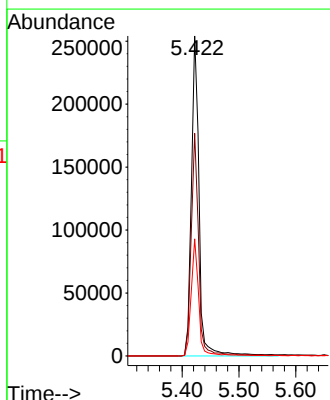
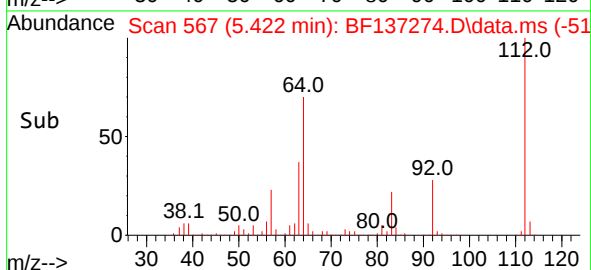
Supervised By :mohammad
ahmed
02/07/2024

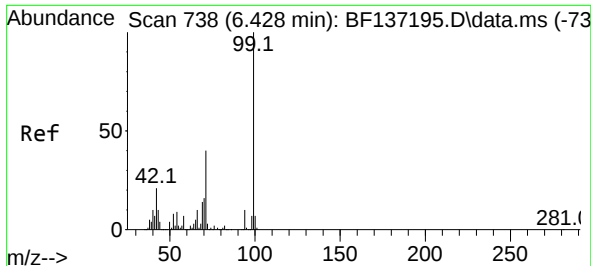


#5
2-Fluorophenol
Concen: 67.660 ng
RT: 5.422 min Scan# 567
Delta R.T. 0.006 min
Lab File: BF137274.D
Acq: 05 Feb 2024 13:11



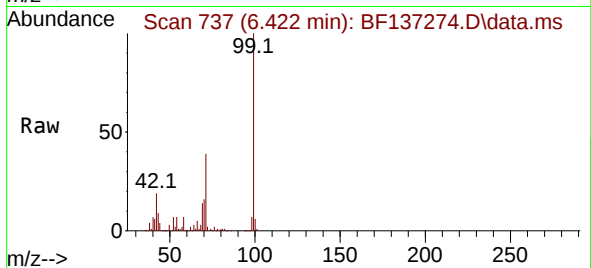
Tgt Ion:112 Resp: 239143
Ion Ratio Lower Upper
112 100
64 69.6 57.8 86.6
63 36.6 31.4 47.0





#7
Phenol-d6
Concen: 60.987 ng
RT: 6.422 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF137274.D
Acq: 05 Feb 2024 13:11

Instrument :
BNA_F
ClientSampleId :
COMP-1DL

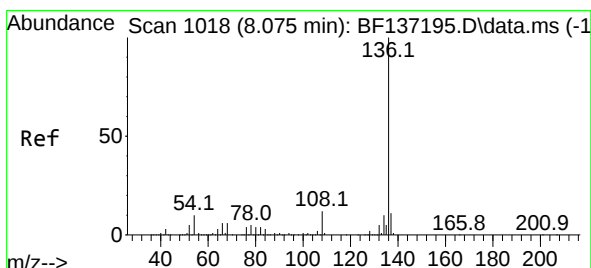
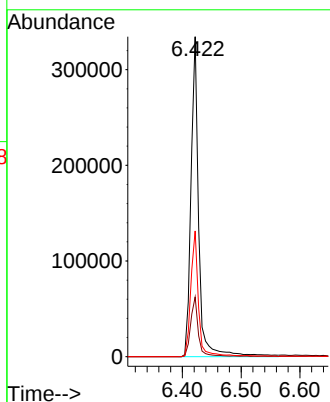
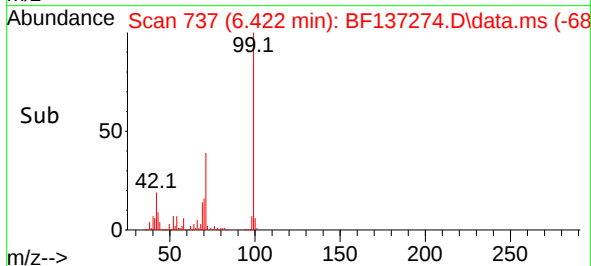


Tgt Ion: 99 Resp: 30762
Ion Ratio Lower Upper
99 100
42 18.6 16.4 24.6
71 39.3 32.4 48.6

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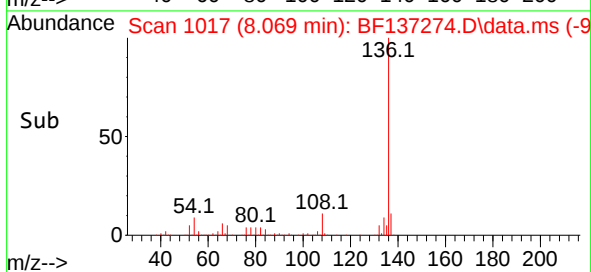
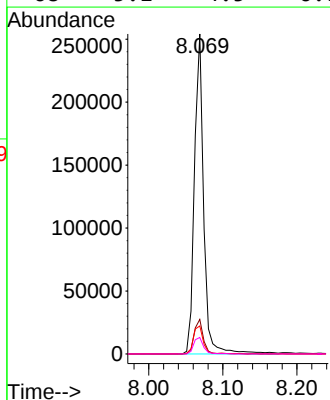
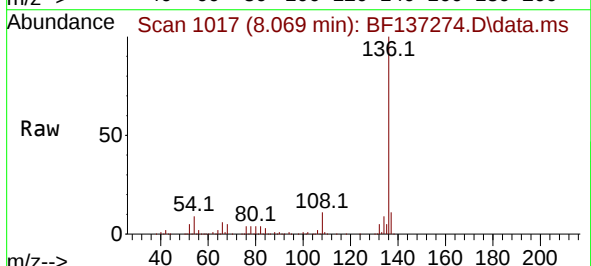
Reviewed By :Jagrut
Upadhyay
02/06/2024

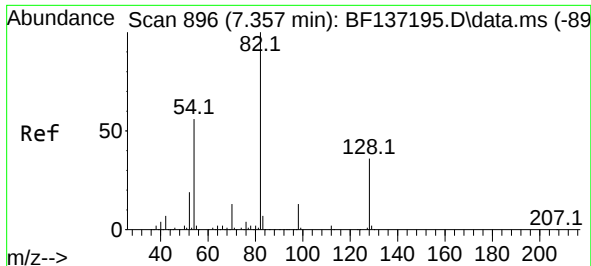
Supervised By :mohammad
ahmed
02/07/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.069 min Scan# 1017
Delta R.T. -0.006 min
Lab File: BF137274.D
Acq: 05 Feb 2024 13:11

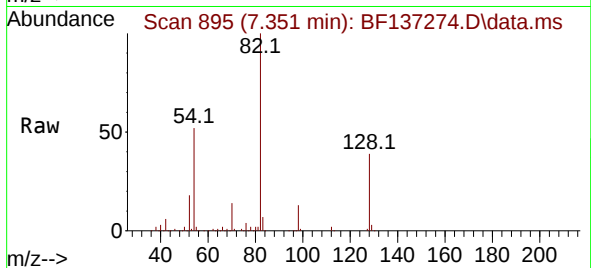
Tgt Ion:136 Resp: 219645
Ion Ratio Lower Upper
136 100
137 10.8 8.9 13.3
54 8.8 7.8 11.8
68 5.1 4.5 6.7





#23
Nitrobenzene-d5
Concen: 40.491 ng
RT: 7.351 min Scan# 896
Delta R.T. -0.006 min
Lab File: BF137274.D
Acq: 05 Feb 2024 13:11

Instrument :
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ClientSampleId :
COMP-1DL

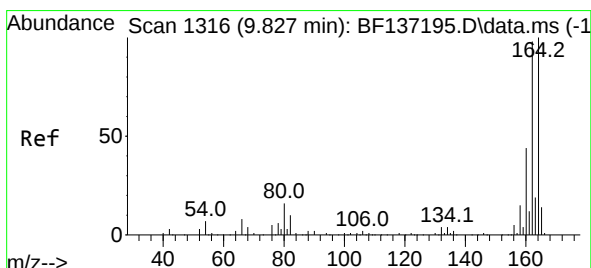
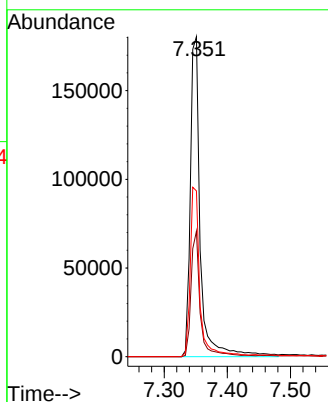
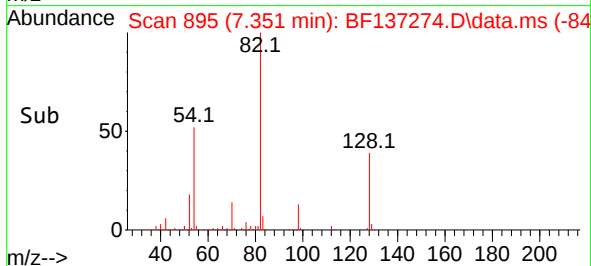


Tgt Ion: 82 Resp: 19864
Ion Ratio Lower Upper
82 100
128 39.2 29.1 43.7
54 51.8 45.0 67.6

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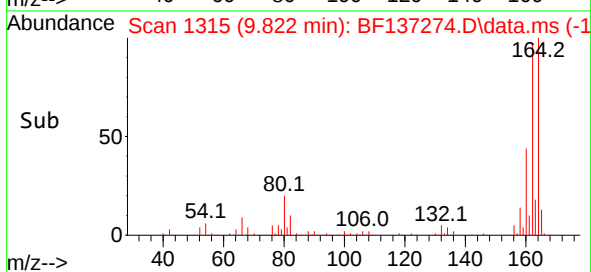
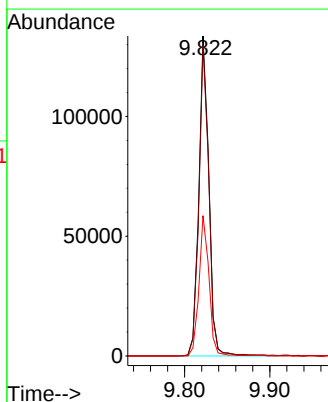
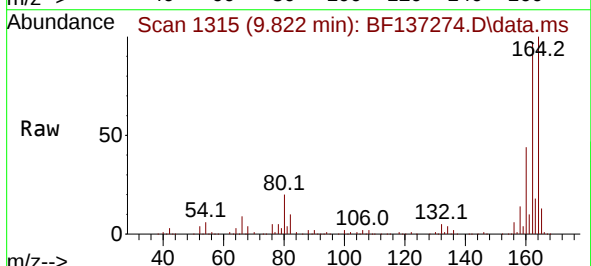
Reviewed By :Jagrut
Upadhyay
02/06/2024

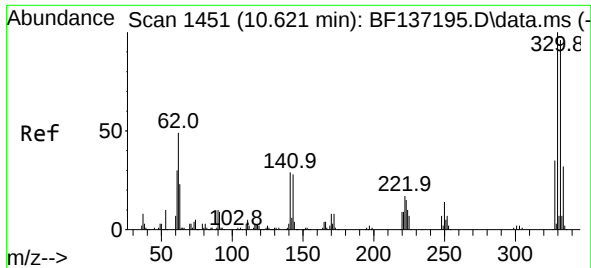
Supervised By :mohammad
ahmed
02/07/2024



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.822 min Scan# 1315
Delta R.T. -0.005 min
Lab File: BF137274.D
Acq: 05 Feb 2024 13:11

Tgt Ion:164 Resp: 109554
Ion Ratio Lower Upper
164 100
162 97.1 78.3 117.5
160 43.8 35.4 53.2





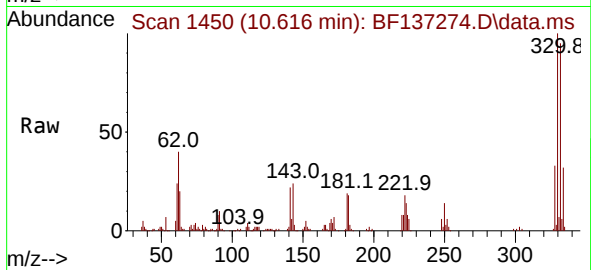
#42
2,4,6-Tribromophenol
Concen: 52.217 ng
RT: 10.616 min Scan# 1450
Delta R.T. -0.006 min
Lab File: BF137274.D
Acq: 05 Feb 2024 13:11

Instrument :

BNA_F

ClientSampleId :

COMP-1DL



Tgt Ion:330 Resp: 6460
Ion Ratio Lower Upper
330 100
332 95.2 77.3 115.9
141 30.2 25.2 37.8

Manual Integrations

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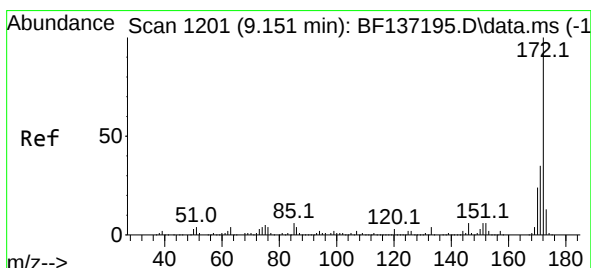
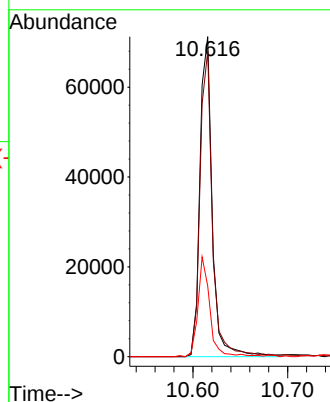
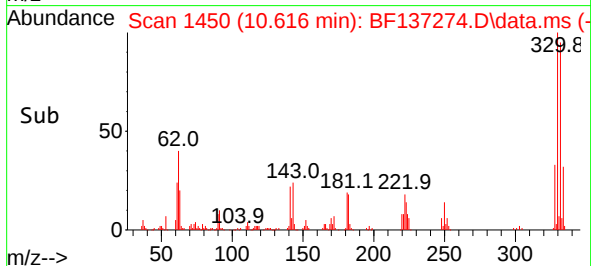
Upadhyay

02/06/2024

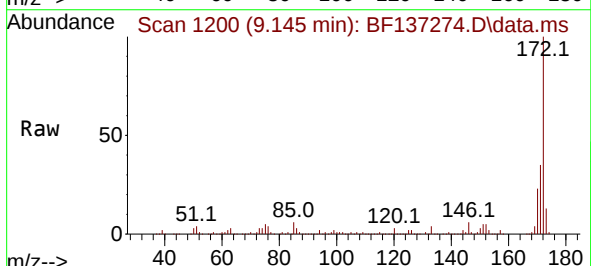
Supervised By :mohammad

ahmed

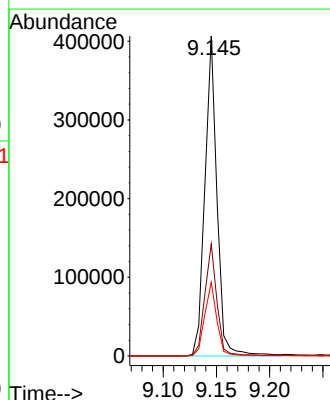
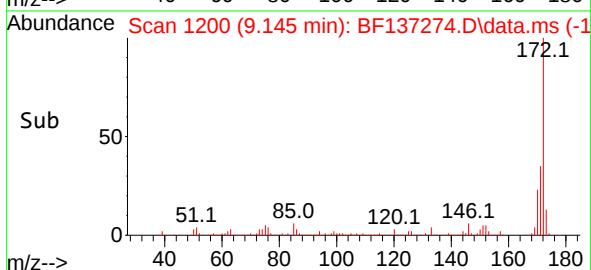
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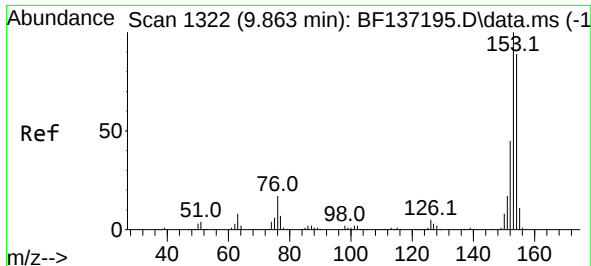


#45
2-Fluorobiphenyl
Concen: 40.520 ng
RT: 9.145 min Scan# 1200
Delta R.T. -0.006 min
Lab File: BF137274.D
Acq: 05 Feb 2024 13:11



Tgt Ion:172 Resp: 322927
Ion Ratio Lower Upper
172 100
171 35.0 28.3 42.5
170 23.0 19.1 28.7





#52
Acenaphthene
Concen: 4.068 ng
RT: 9.857 min Scan# 1321
Delta R.T. -0.006 min
Lab File: BF137274.D
Acq: 05 Feb 2024 13:11

Instrument :

BNA_F

ClientSampleId :

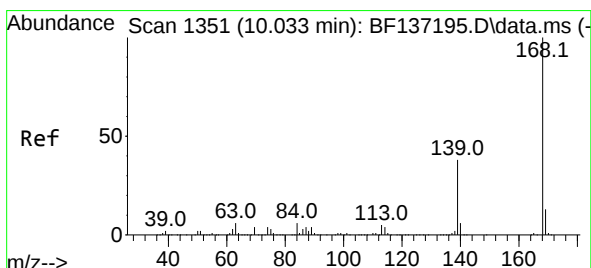
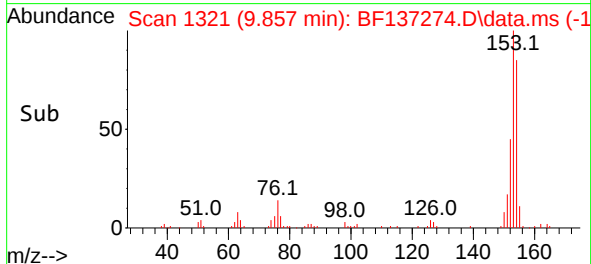
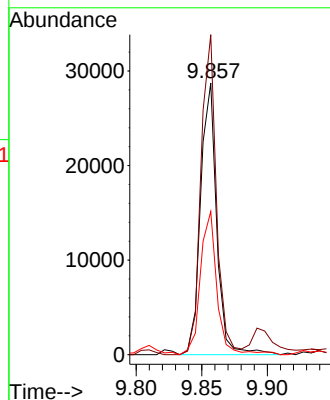
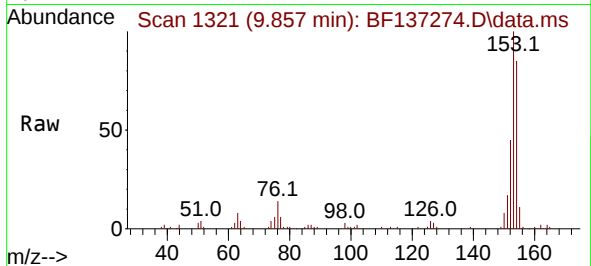
COMP-1DL

Tgt Ion:154 Resp: 2469
Ion Ratio Lower Upper
154 100
153 117.8 90.2 135.4
152 52.7 40.6 60.8

Manual Integrations
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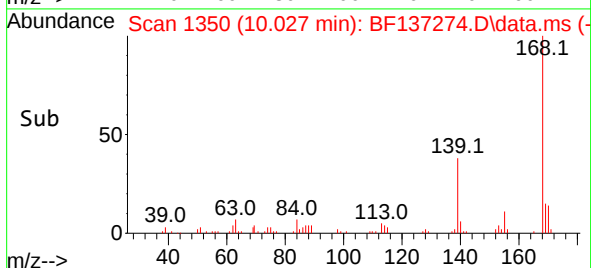
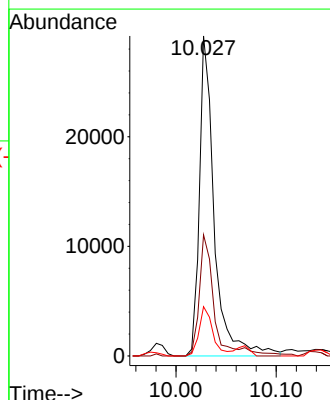
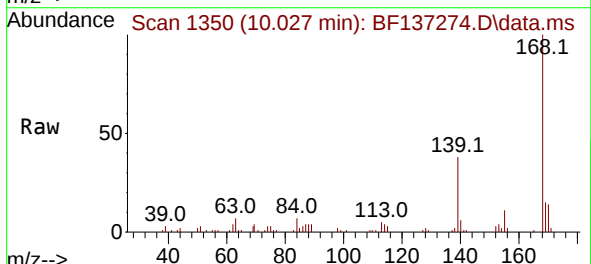
Reviewed By :Jagrut
Upadhyay
02/06/2024

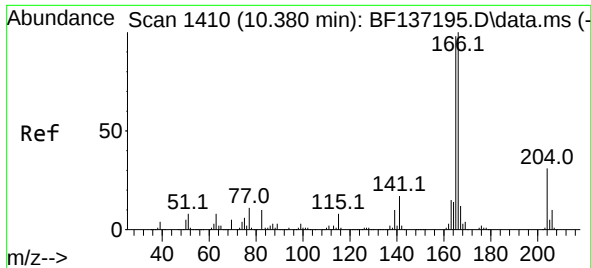
Supervised By :mohammad
ahmed
02/07/2024



#55
Dibenzofuran
Concen: 3.122 ng
RT: 10.027 min Scan# 1350
Delta R.T. -0.006 min
Lab File: BF137274.D
Acq: 05 Feb 2024 13:11

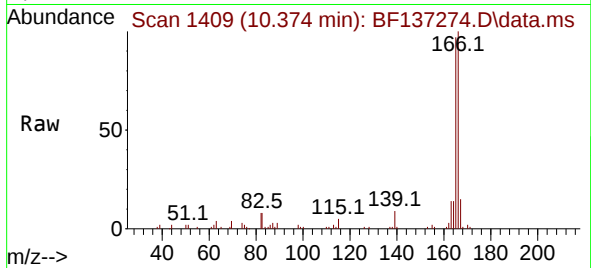
Tgt Ion:168 Resp: 30144
Ion Ratio Lower Upper
168 100
139 37.8 31.1 46.7
169 15.4 10.6 16.0





#58
Fluorene
Concen: 4.017 ng
RT: 10.374 min Scan# 1410
Delta R.T. -0.006 min
Lab File: BF137274.D
Acq: 05 Feb 2024 13:11

Instrument :
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COMP-1DL

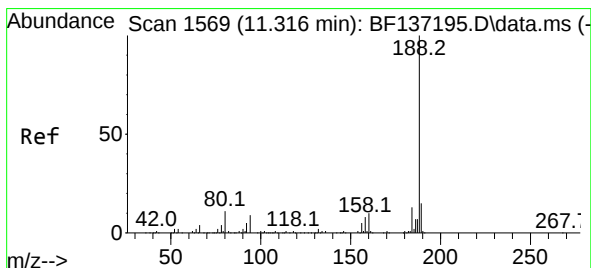
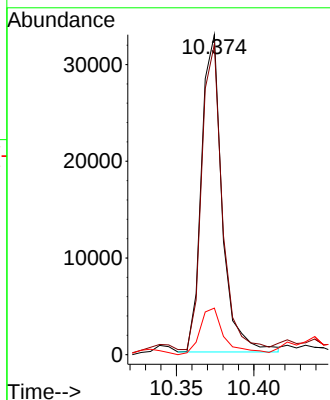
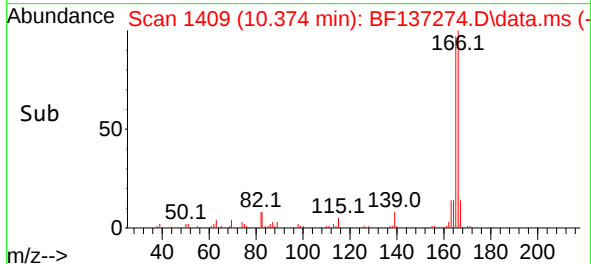


Tgt Ion:166 Resp: 30409
Ion Ratio Lower Upper
166 100
165 97.0 78.5 117.7
167 14.5 10.0 15.0

Manual Integrations
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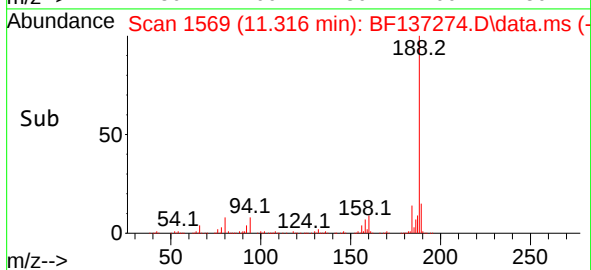
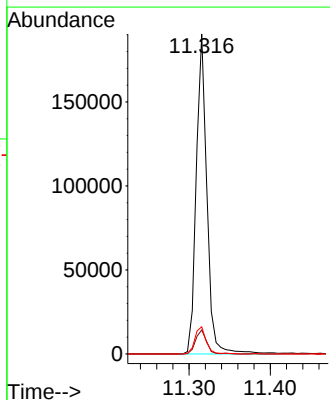
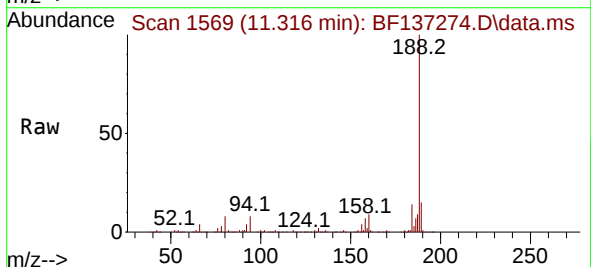
Reviewed By :Jagrut
Upadhyay
02/06/2024

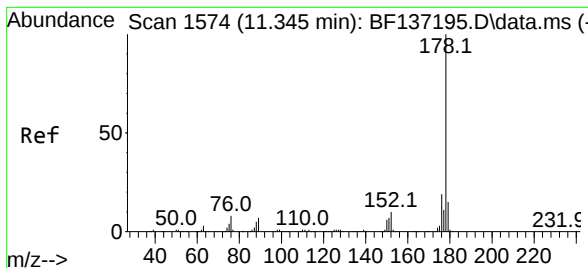
Supervised By :mohammad
ahmed
02/07/2024



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.316 min Scan# 1569
Delta R.T. -0.000 min
Lab File: BF137274.D
Acq: 05 Feb 2024 13:11

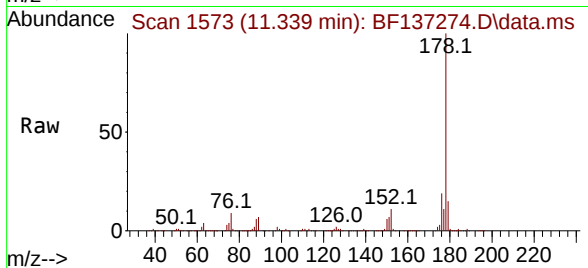
Tgt Ion:188 Resp: 175023
Ion Ratio Lower Upper
188 100
94 7.5 7.0 10.4
80 8.5 8.8 13.2#





#71
Phenanthrene
Concen: 47.414 ng
RT: 11.339 min Scan# 1574
Delta R.T. -0.006 min
Lab File: BF137274.D
Acq: 05 Feb 2024 13:11

Instrument :
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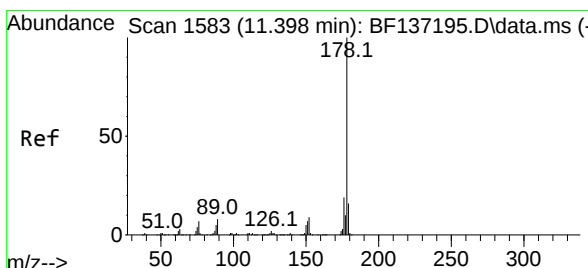
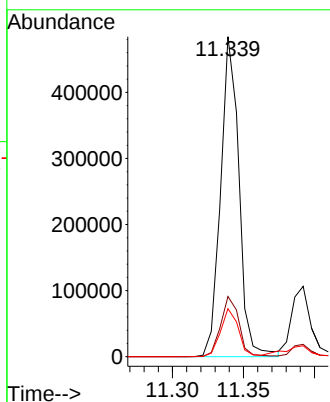
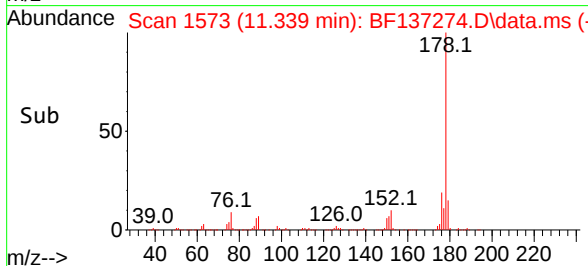


Tgt Ion:178 Resp: 434430
Ion Ratio Lower Upper
178 100
176 18.8 15.1 22.7
179 15.0 12.1 18.1

Manual Integrations
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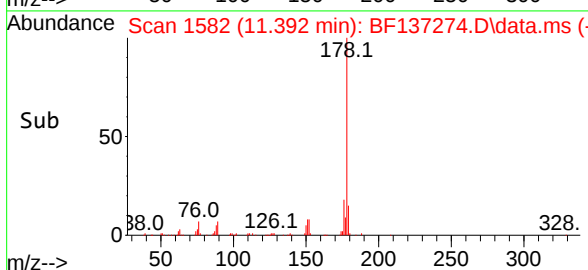
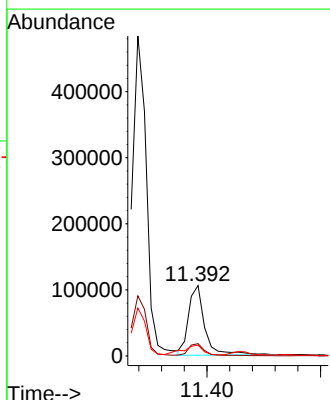
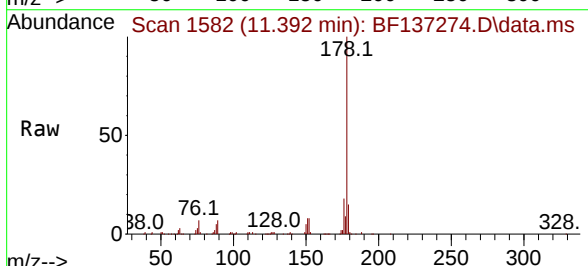
Reviewed By :Jagrut
Upadhyay
02/06/2024

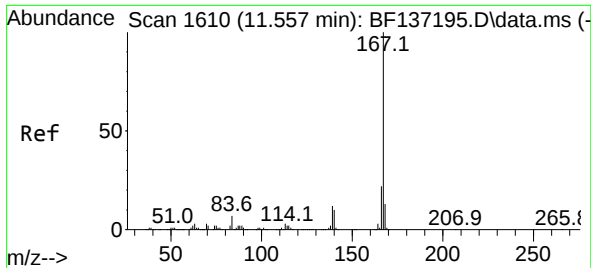
Supervised By :mohammad
ahmed
02/07/2024



#72
Anthracene
Concen: 10.960 ng
RT: 11.392 min Scan# 1582
Delta R.T. -0.006 min
Lab File: BF137274.D
Acq: 05 Feb 2024 13:11

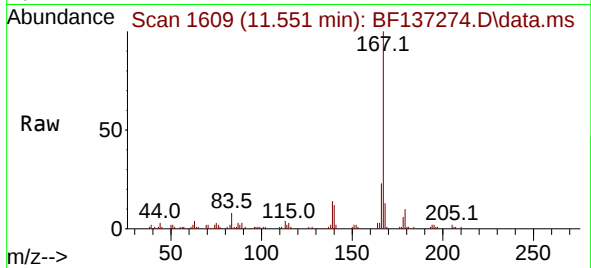
Tgt Ion:178 Resp: 104668
Ion Ratio Lower Upper
178 100
176 17.5 15.3 22.9
179 15.4 12.7 19.1





#73
 Carbazole
 Concen: 4.852 ng
 RT: 11.551 min Scan# 1609
 Delta R.T. -0.006 min
 Lab File: BF137274.D
 Acq: 05 Feb 2024 13:11

Instrument :
 BNA_F
 ClientSampleId :
 COMP-1DL

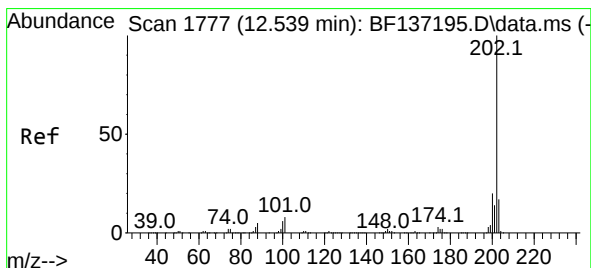
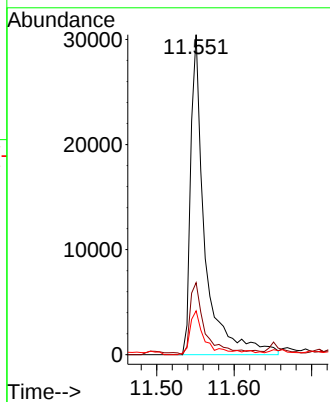
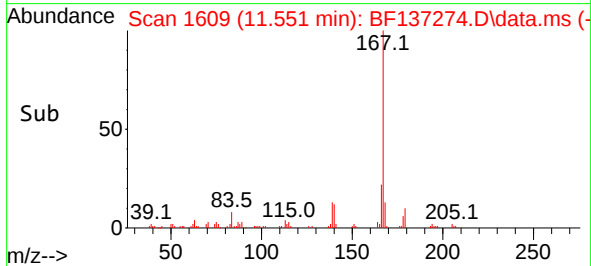


Tgt Ion:167 Resp: 38729
 Ion Ratio Lower Upper
 167 100
 166 22.5 17.6 26.4
 139 13.7 9.7 14.5

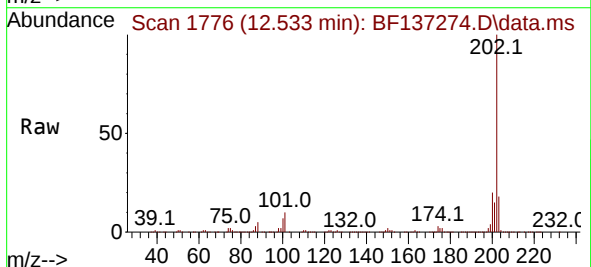
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 Upadhyay
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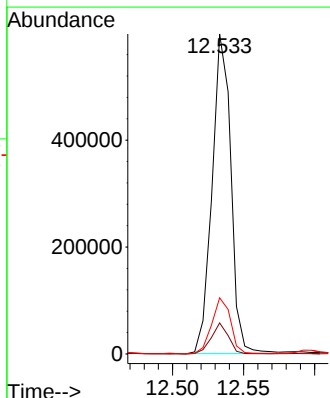
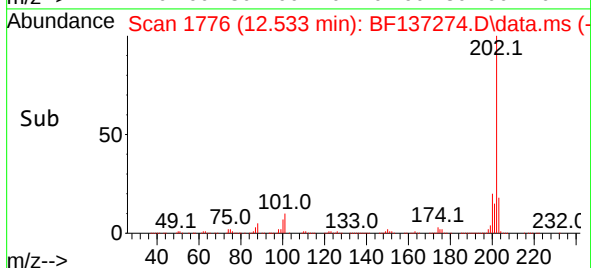
Supervised By :mohammad
 ahmed
 02/07/2024

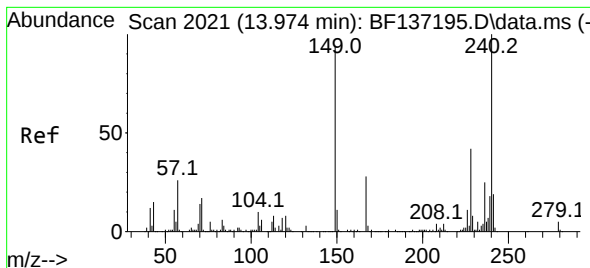


#75
 Fluoranthene
 Concen: 57.357 ng
 RT: 12.533 min Scan# 1776
 Delta R.T. -0.006 min
 Lab File: BF137274.D
 Acq: 05 Feb 2024 13:11



Tgt Ion:202 Resp: 549937
 Ion Ratio Lower Upper
 202 100
 101 9.7 0.0 28.4
 203 17.6 0.0 37.3





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.968 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF137274.D

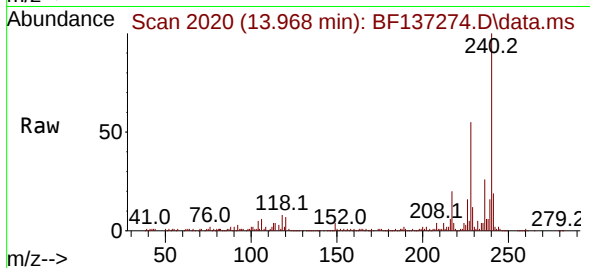
Acq: 05 Feb 2024 13:11

Instrument :

BNA_F

ClientSampleId :

COMP-1DL



Tgt Ion:240 Resp: 12761

Ion Ratio Lower Upper

240 100

120 7.4 6.3 9.5

236 25.8 20.3 30.5

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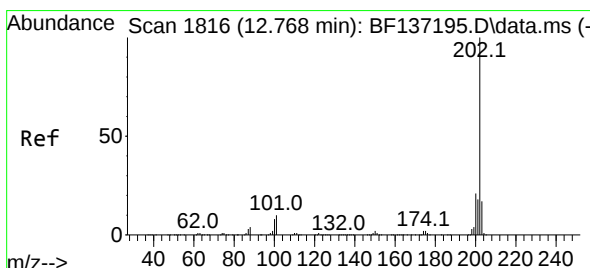
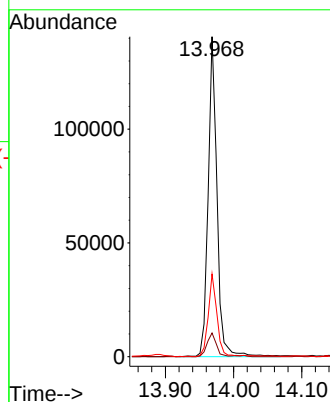
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Supervised By :mohammad

ahmed

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#78

Pyrene

Concen: 38.682 ng

RT: 12.763 min Scan# 1815

Delta R.T. -0.006 min

Lab File: BF137274.D

Acq: 05 Feb 2024 13:11

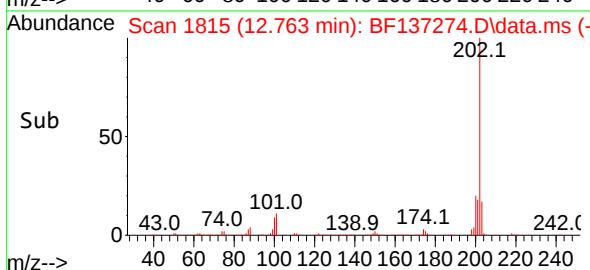
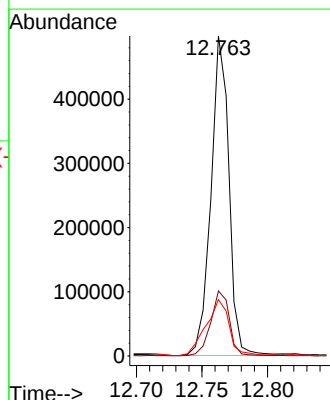
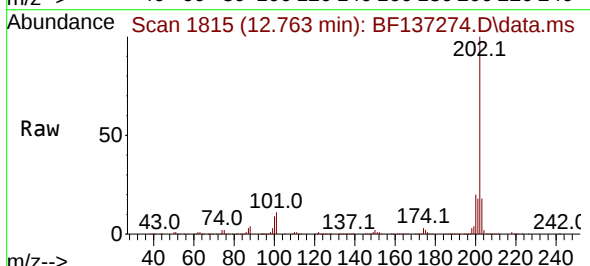
Tgt Ion:202 Resp: 474373

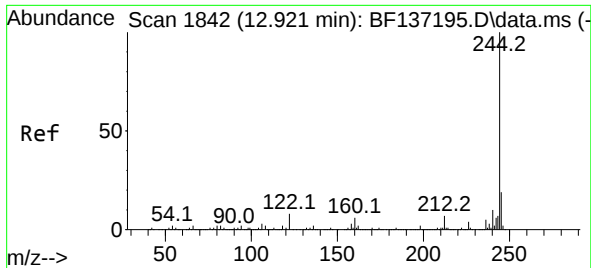
Ion Ratio Lower Upper

202 100

200 20.3 16.5 24.7

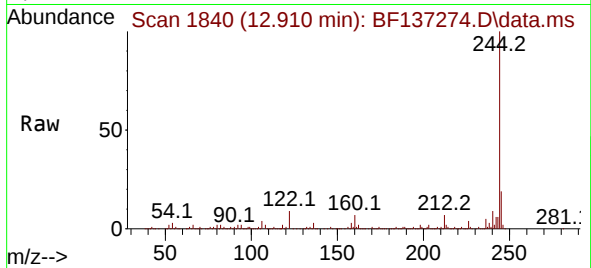
203 17.6 13.8 20.6





#79
Terphenyl-d14
Concen: 33.540 ng
RT: 12.910 min Scan# 1842
Delta R.T. -0.012 min
Lab File: BF137274.D
Acq: 05 Feb 2024 13:11

Instrument :
BNA_F
ClientSampleId :
COMP-1DL

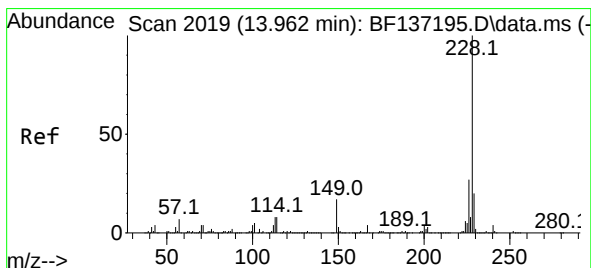
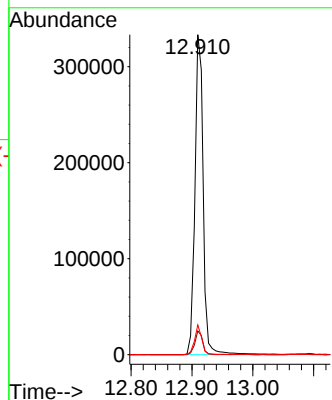


Tgt Ion:244 Resp: 31484
Ion Ratio Lower Upper
244 100
212 7.4 5.5 8.3
122 9.3 6.2 9.4

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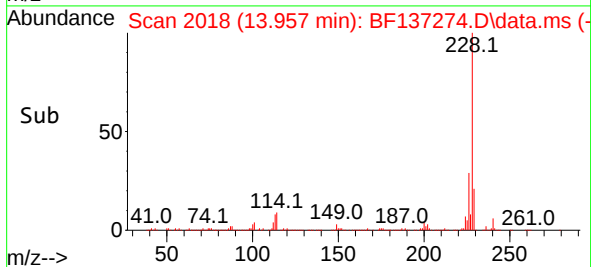
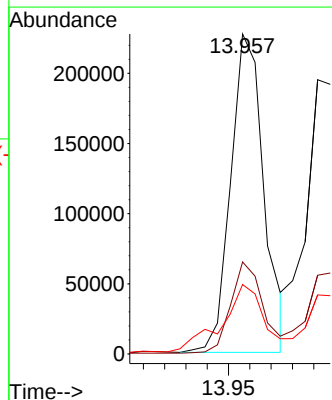
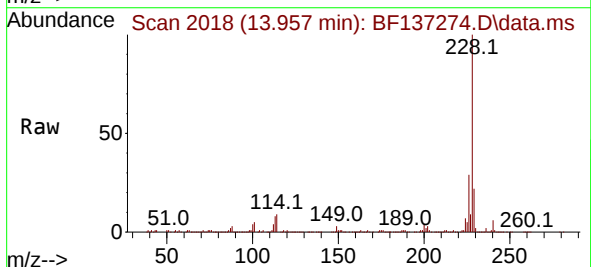
Reviewed By :Jagrut
Upadhyay
02/06/2024

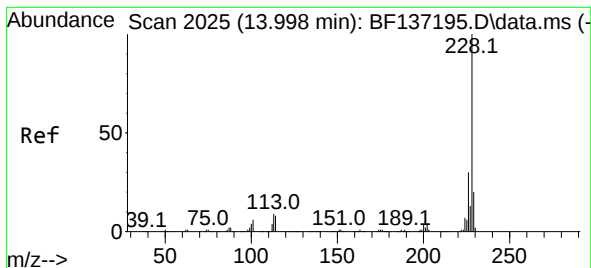
Supervised By :mohammad
ahmed
02/07/2024



#81
Benzo(a)anthracene
Concen: 27.204 ng
RT: 13.957 min Scan# 2018
Delta R.T. -0.006 min
Lab File: BF137274.D
Acq: 05 Feb 2024 13:11

Tgt Ion:228 Resp: 245854
Ion Ratio Lower Upper
228 100
226 28.8 21.6 32.4
229 21.7 15.8 23.6





#83

Chrysene

Concen: 24.541 ng

RT: 13.992 min Scan# 2019

Delta R.T. -0.006 min

Lab File: BF137274.D

Acq: 05 Feb 2024 13:11

Instrument :

BNA_F

ClientSampleId :

COMP-1DL

Tgt Ion:228 Resp: 21804

Ion Ratio Lower Upper

228 100

226 28.7 23.7 35.5

229 21.5 15.6 23.4

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Reviewed By :Jagrut

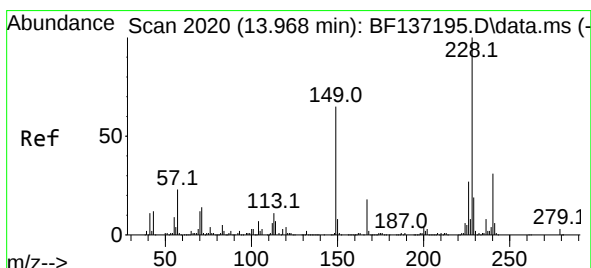
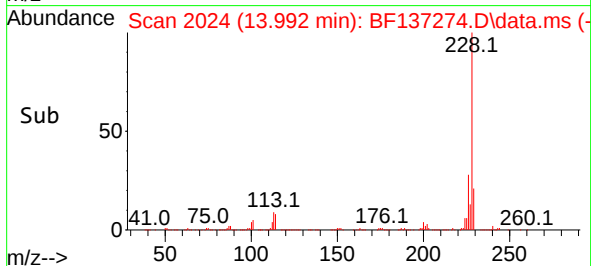
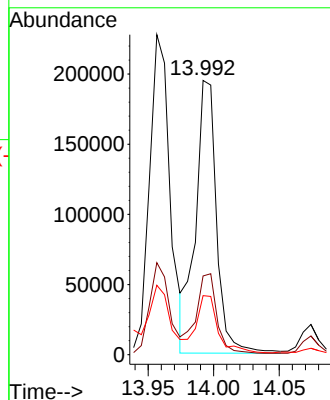
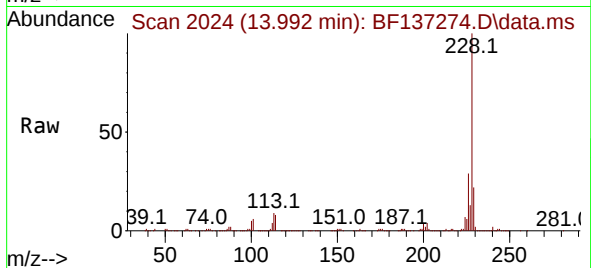
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ahmed

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#84

Bis(2-ethylhexyl)phthalate

Concen: 2.526 ng

RT: 13.962 min Scan# 2019

Delta R.T. -0.006 min

Lab File: BF137274.D

Acq: 05 Feb 2024 13:11

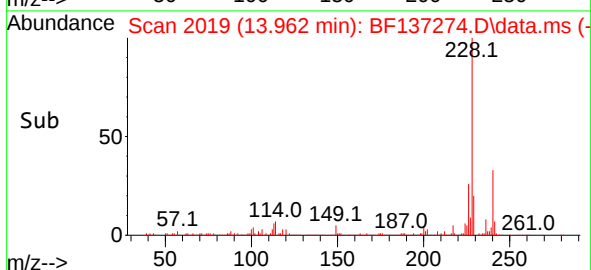
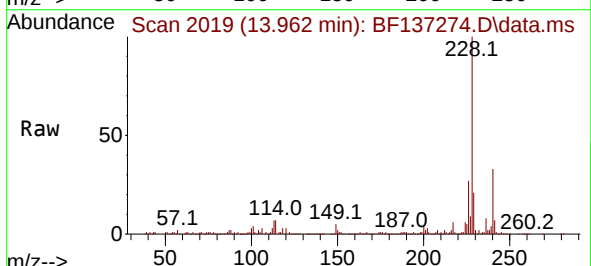
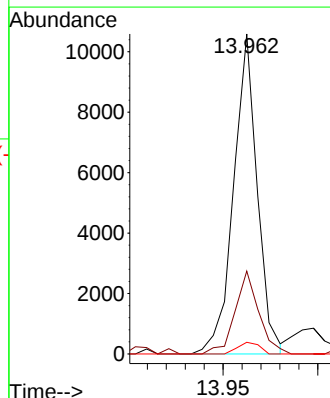
Tgt Ion:149 Resp: 9221

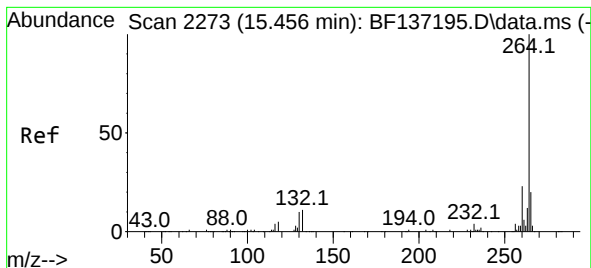
Ion Ratio Lower Upper

149 100

167 25.9 21.7 32.5

279 3.7 3.4 5.0





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.451 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF137274.D

Acq: 05 Feb 2024 13:11

Instrument :

BNA_F

ClientSampleId :

COMP-1DL

Tgt Ion:264 Resp: 94484

Ion	Ratio	Lower	Upper
264	100		
260	22.8	18.2	27.4
265	22.0	16.2	24.2

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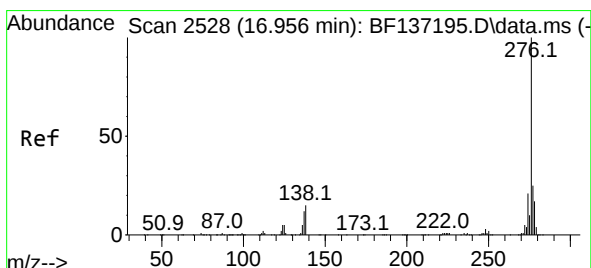
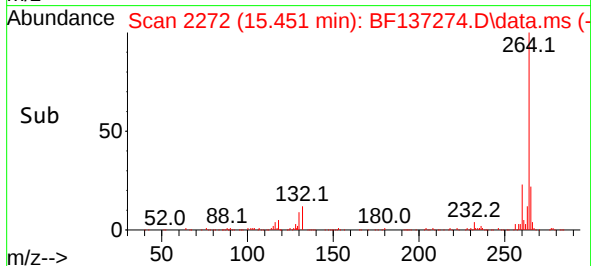
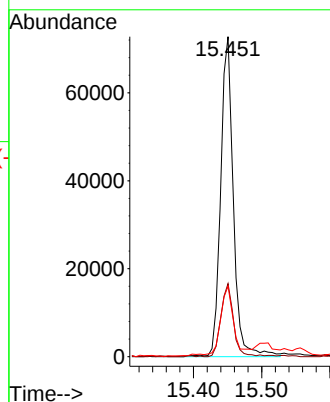
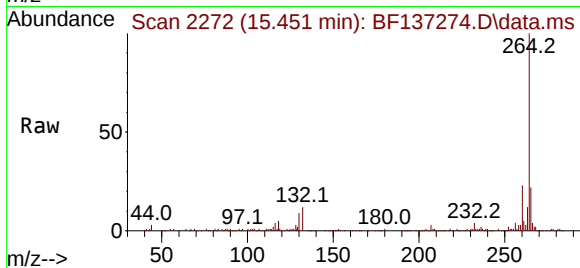
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ahmed

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#87

Indeno(1,2,3-cd)pyrene

Concen: 9.754 ng

RT: 16.939 min Scan# 2525

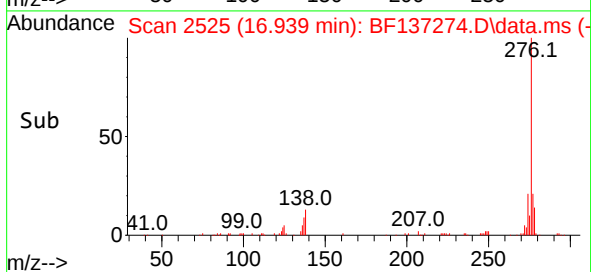
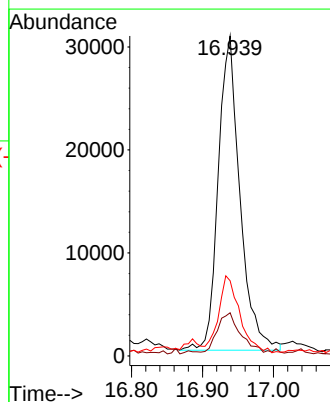
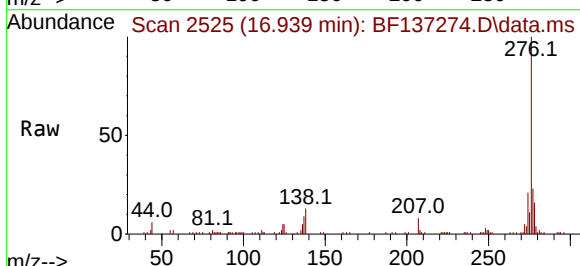
Delta R.T. -0.018 min

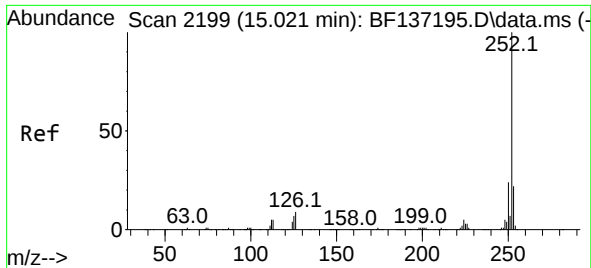
Lab File: BF137274.D

Acq: 05 Feb 2024 13:11

Tgt Ion:276 Resp: 64750

Ion	Ratio	Lower	Upper
276	100		
138	15.0	14.6	21.8
277	23.5	20.2	30.2





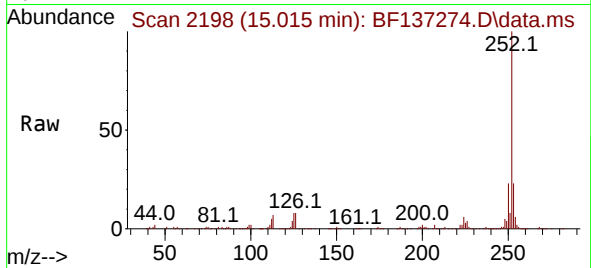
#88
Benzo(b)fluoranthene
Concen: 31.418 ng m
RT: 15.015 min Scan# 2199
Delta R.T. -0.006 min
Lab File: BF137274.D
Acq: 05 Feb 2024 13:11

Instrument :

BNA_F

ClientSampleId :

COMP-1DL



Tgt Ion:252 Resp: 18255
Ion Ratio Lower Upper
252 100
253 22.9 17.9 26.9
125 7.8 5.4 8.2

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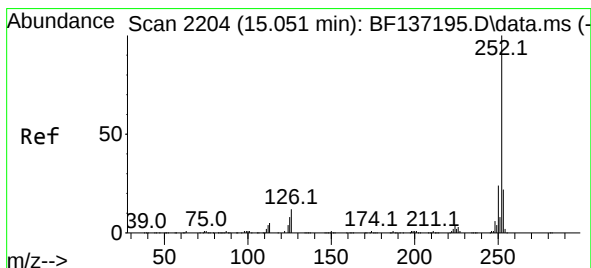
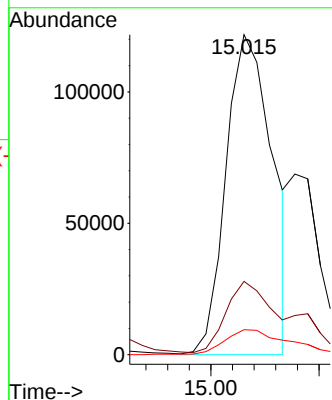
Upadhyay

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Supervised By :mohammad

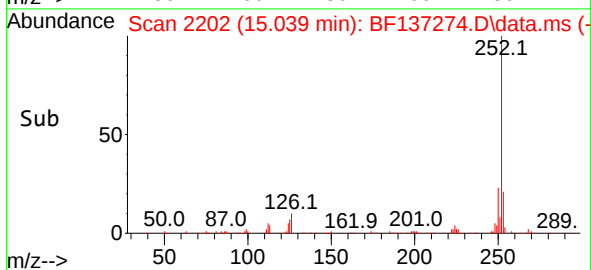
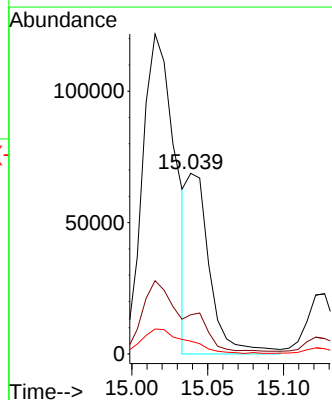
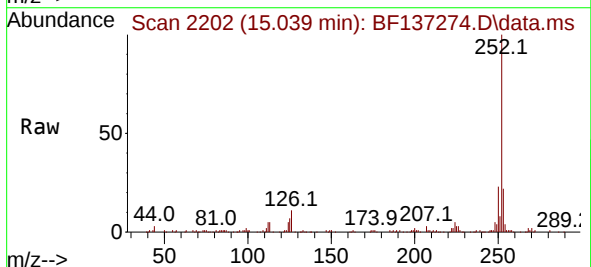
ahmed

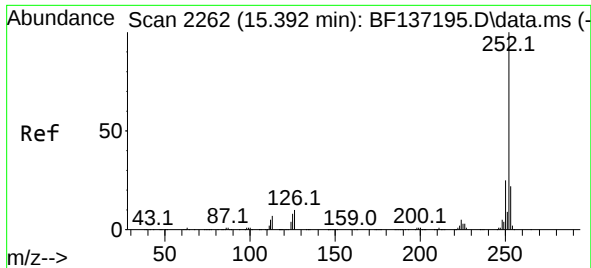
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#89
Benzo(k)fluoranthene
Concen: 11.679 ng m
RT: 15.039 min Scan# 2202
Delta R.T. -0.012 min
Lab File: BF137274.D
Acq: 05 Feb 2024 13:11

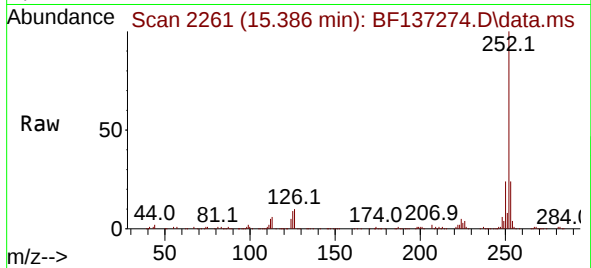
Tgt Ion:252 Resp: 71792
Ion Ratio Lower Upper
252 100
253 21.7 17.0 25.6
125 7.1 5.9 8.9





#90
Benzo(a)pyrene
Concen: 22.530 ng
RT: 15.386 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF137274.D
Acq: 05 Feb 2024 13:11

Instrument :
BNA_F
ClientSampleId :
COMP-1DL

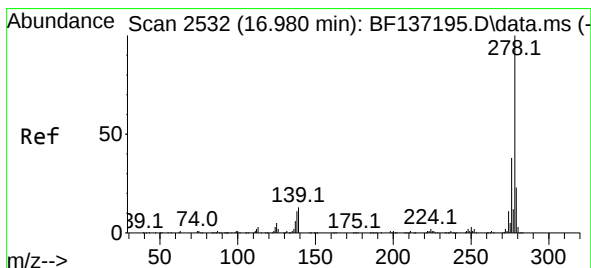
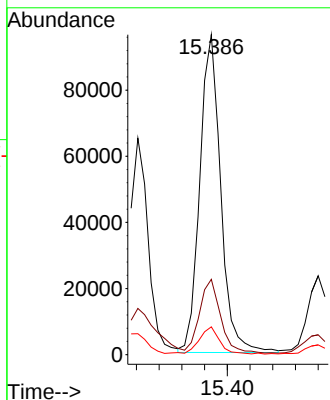
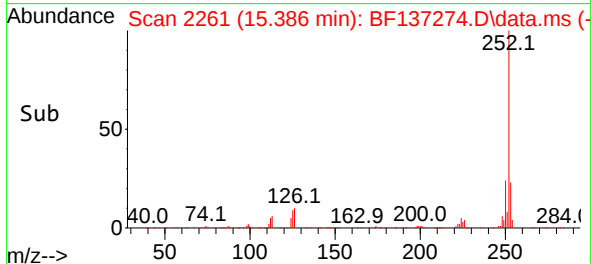


Tgt Ion:252 Resp: 12319
Ion Ratio Lower Upper
252 100
253 23.5 17.8 26.6
125 8.7 6.5 9.7

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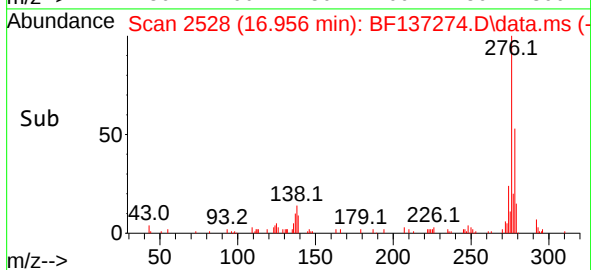
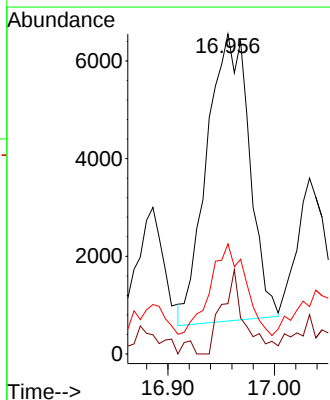
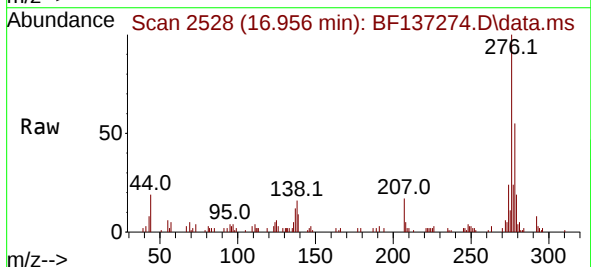
Reviewed By :Jagrut
Upadhyay
02/06/2024

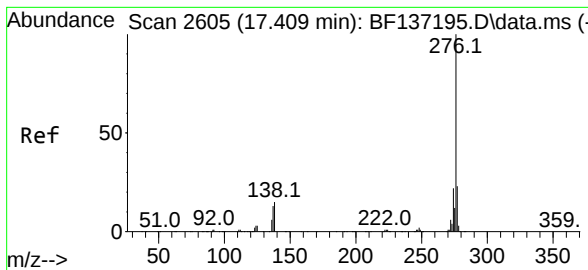
Supervised By :mohammad
ahmed
02/07/2024



#91
Dibenzo(a,h)anthracene
Concen: 3.058 ng
RT: 16.956 min Scan# 2528
Delta R.T. -0.024 min
Lab File: BF137274.D
Acq: 05 Feb 2024 13:11

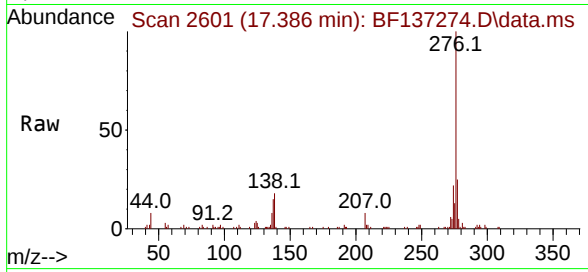
Tgt Ion:278 Resp: 16267
Ion Ratio Lower Upper
278 100
139 15.7 10.0 15.0#
279 34.4 18.5 27.7#





#92
Benzo(g,h,i)perylene
Concen: 10.880 ng
RT: 17.386 min Scan# 20
Delta R.T. -0.024 min
Lab File: BF137274.D
Acq: 05 Feb 2024 13:11

Instrument :
BNA_F
ClientSampleId :
COMP-1DL



Tgt Ion:	276	Resp:	56790
Ion Ratio	Lower	Upper	
276	100		
277	24.6	18.4	27.6
138	18.5	11.8	17.8

Manual Integrations
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Reviewed By :Jagrut
Upadhyay
02/06/2024

Supervised By :mohammad
ahmed
02/07/2024

