

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071323\
 Data File : BF134275.D
 Acq On : 13 Jul 2023 22:44
 Operator : CG\JU
 Sample : 03555-05DL 2X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ETGI-369DL

Manual Integrations
 APPROVED

Reviewed By :Yogesh
 Patel

07/14/2023
 Supervised By :mohammad
 ahmed

Quant Time: Jul 13 23:36:06 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 11 13:06:48 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.840	152	64648	20.000	ng	0.00
21) Naphthalene-d8	8.122	136	253283	20.000	ng	0.00
39) Acenaphthene-d10	9.880	164	127274	20.000	ng	0.00
64) Phenanthrene-d10	11.375	188	241235	20.000	ng	0.00
76) Chrysene-d12	14.039	240	167485	20.000	ng	0.00
86) Perylene-d12	15.539	264	134331	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.469	112	181620	46.994	ng	0.00
7) Phenol-d6	6.475	99	224253	47.183	ng	-0.01
23) Nitrobenzene-d5	7.398	82	150273	31.982	ng	-0.01
42) 2,4,6-Tribromophenol	10.669	330	73304	45.937	ng	-0.01
45) 2-Fluorobiphenyl	9.192	172	287006	32.786	ng	-0.01
79) Terphenyl-d14	12.969	244	297057	28.545	ng	0.00
Target Compounds						
						Qvalue
31) Naphthalene	8.139	128	84678	6.921	ng	99
37) 2-Methylnaphthalene	8.834	142	29989	3.466	ng	97
52) Acenaphthene	9.910	154	33681	4.549	ng	99
55) Dibenzofuran	10.086	168	71409	6.171	ng	96
58) Fluorene	10.428	166	33164	3.684	ng	99
71) Phenanthrene	11.398	178	311789	25.674	ng	98
72) Anthracene	11.451	178	180602	14.298	ng	98
73) Carbazole	11.610	167	26701	2.309	ng	99
75) Fluoranthene	12.604	202	927193	70.622	ng	97
78) Pyrene	12.833	202	721702	46.302	ng	100
81) Benzo(a)anthracene	14.027	228	333714	28.730	ng	100
83) Chrysene	14.063	228	344027	30.579	ng	97
87) Indeno(1,2,3-cd)pyrene	17.080	276	79393	8.517	ng	96
88) Benzo(b)fluoranthene	15.098	252	304706m	38.576	ng	
89) Benzo(k)fluoranthene	15.127	252	105818m	13.158	ng	
90) Benzo(a)pyrene	15.480	252	151698m	19.861	ng	
91) Dibenzo(a,h)anthracene	17.092	278	21558m	2.832	ng	
92) Benzo(g,h,i)perylene	17.551	276	74337	9.468	ng	97

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

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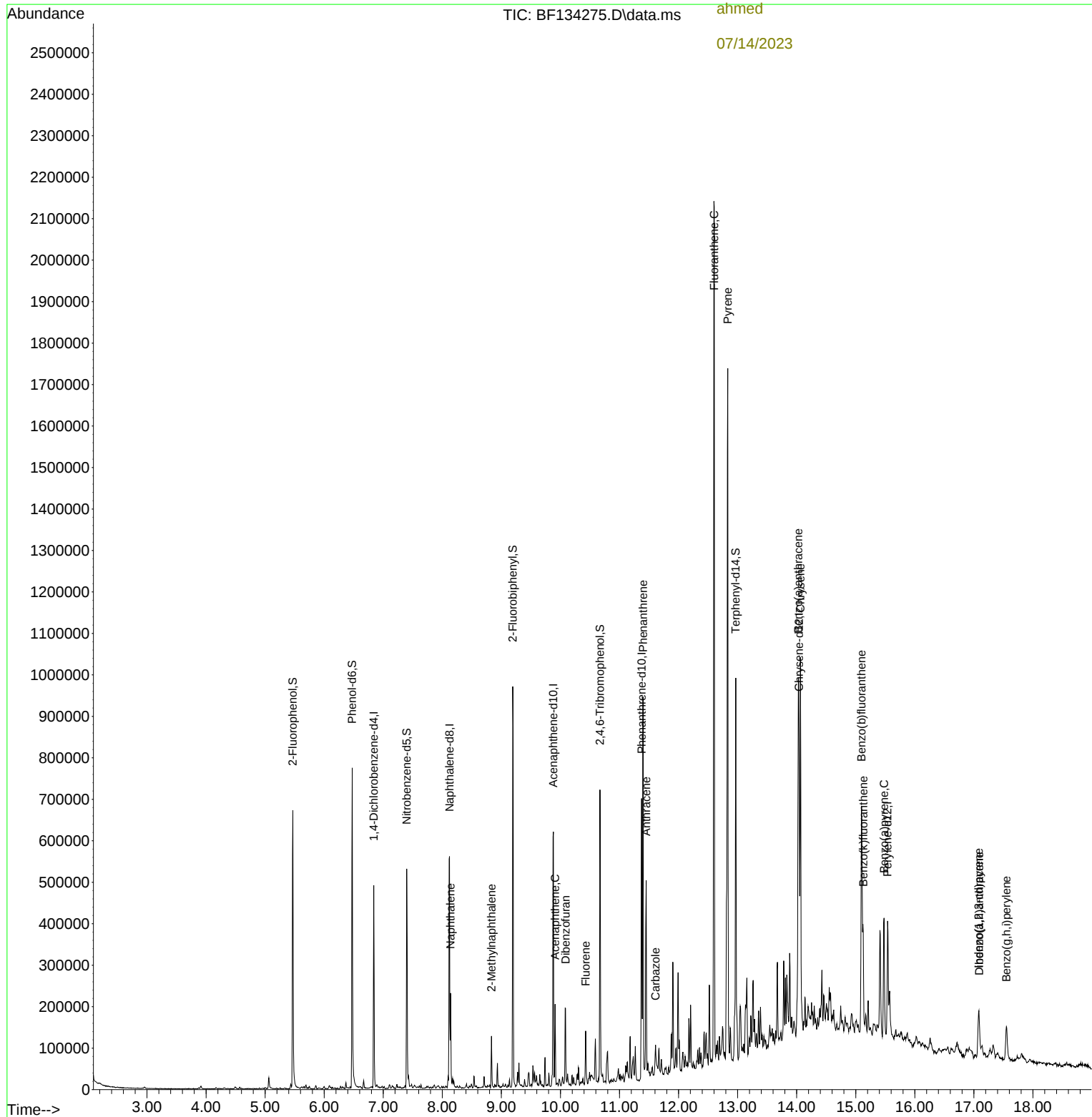
Quant Time: Jul 13 23:36:06 2023
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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.840 min Scan# 808
Delta R.T. -0.005 min
Lab File: BF134275.D
Acq: 13 Jul 2023 22:44

Instrument :

BNA_F

ClientSampleId :

ETGI-369DL

Tgt Ion:152 Resp: 6464
Ion Ratio Lower Upper
152 100
150 158.4 124.5 186.7
115 66.5 50.2 75.2

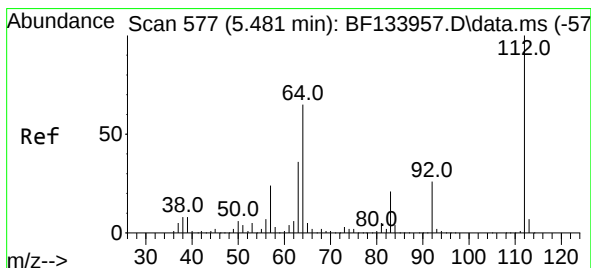
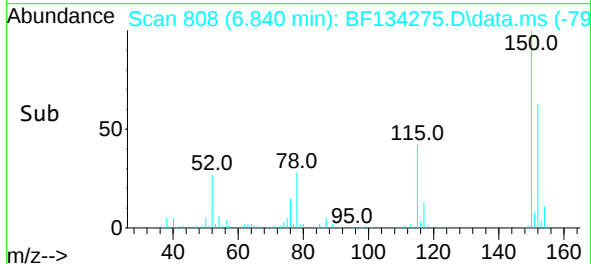
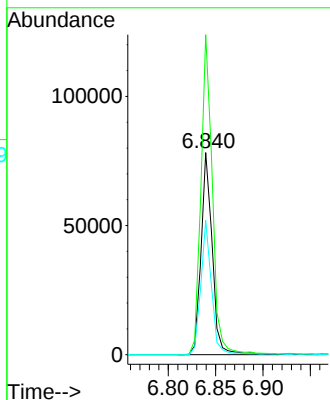
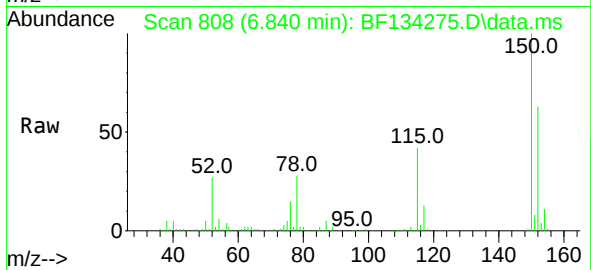
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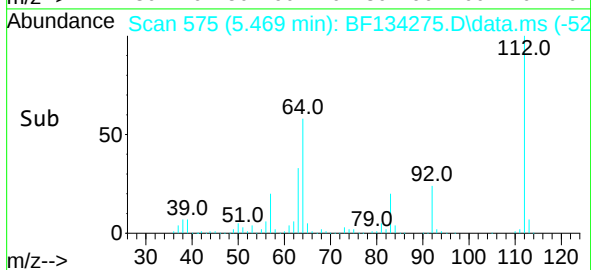
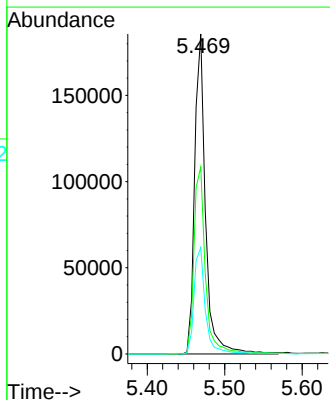
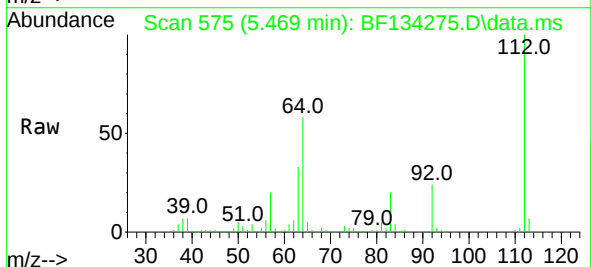
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#5
2-Fluorophenol
Concen: 46.994 ng
RT: 5.469 min Scan# 575
Delta R.T. -0.006 min
Lab File: BF134275.D
Acq: 13 Jul 2023 22:44

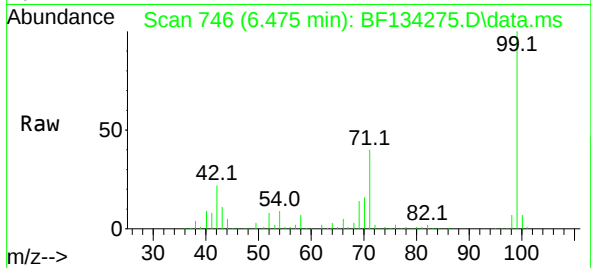
Tgt Ion:112 Resp: 181620
Ion Ratio Lower Upper
112 100
64 58.5 52.1 78.1
63 33.3 28.6 42.8





#7
Phenol-d6
Concen: 47.183 ng
RT: 6.475 min Scan# 74
Delta R.T. -0.012 min
Lab File: BF134275.D
Acq: 13 Jul 2023 22:44

Instrument :
BNA_F
ClientSampleId :
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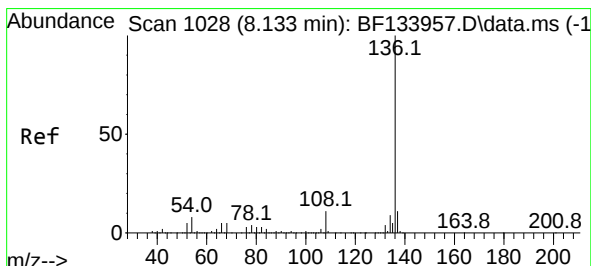
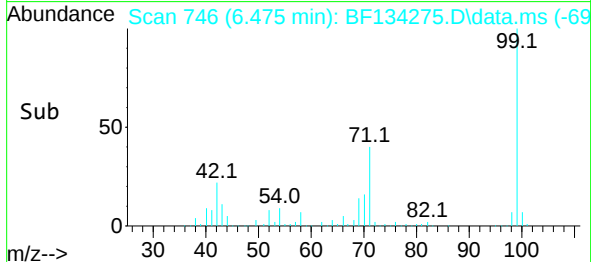
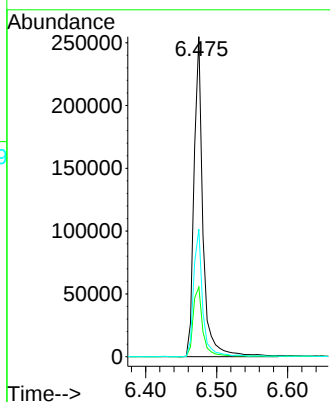
Tgt Ion: 99 Resp: 22425
Ion Ratio Lower Upper
99 100
42 21.7 19.8 29.6
71 39.9 31.9 47.9

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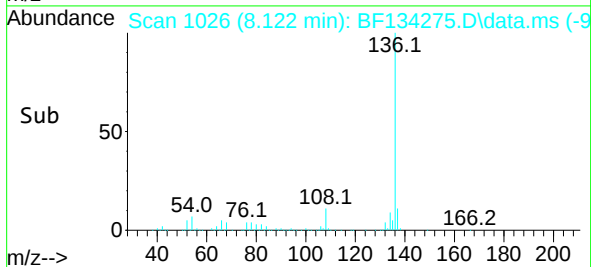
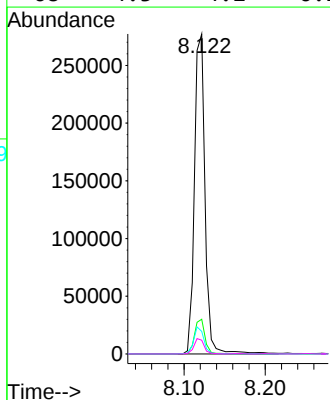
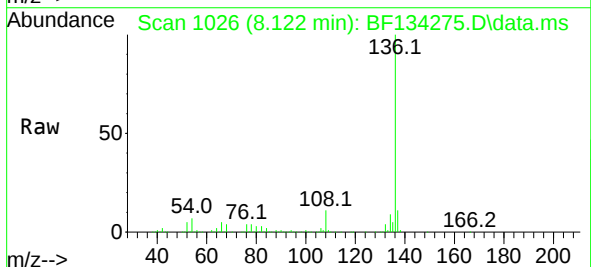
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#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.122 min Scan# 1026
Delta R.T. -0.006 min
Lab File: BF134275.D
Acq: 13 Jul 2023 22:44

Tgt Ion:136 Resp: 253283
Ion Ratio Lower Upper
136 100
137 10.9 8.6 12.8
54 7.0 6.5 9.7
68 4.3 4.2 6.2





#23

Nitrobenzene-d5

Concen: 31.982 ng

RT: 7.398 min Scan# 90

Delta R.T. -0.012 min

Lab File: BF134275.D

Acq: 13 Jul 2023 22:44

Instrument :

BNA_F

ClientSampleId :

ETGI-369DL

Tgt Ion: 82 Resp: 15027

Ion	Ratio	Lower	Upper
82	100		
128	40.9	32.5	48.7
54	59.1	48.2	72.2

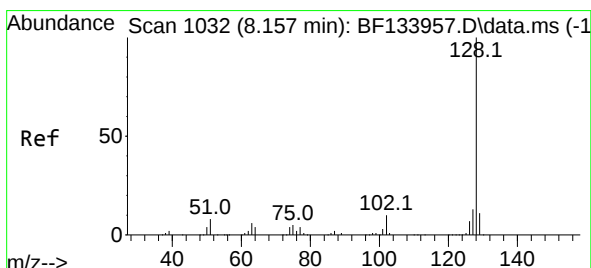
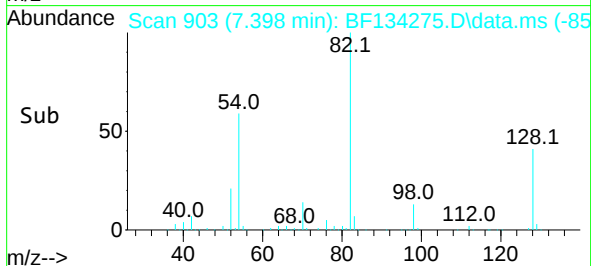
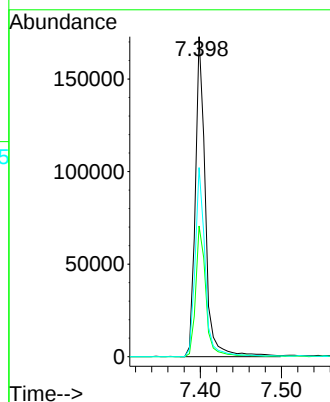
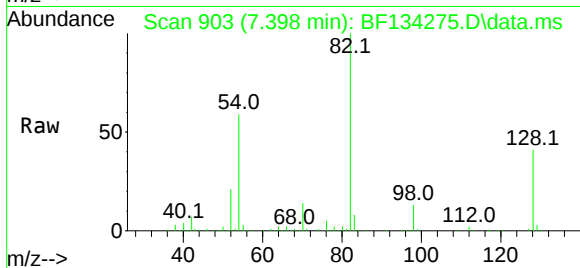
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#31

Naphthalene

Concen: 6.921 ng

RT: 8.139 min Scan# 1029

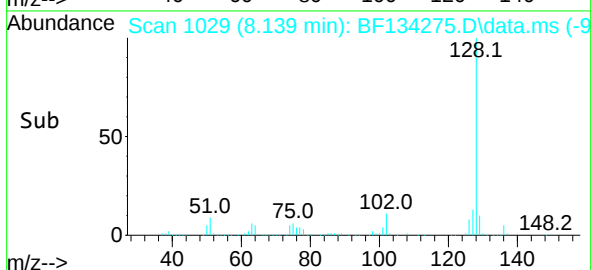
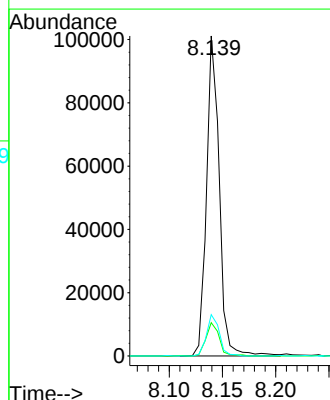
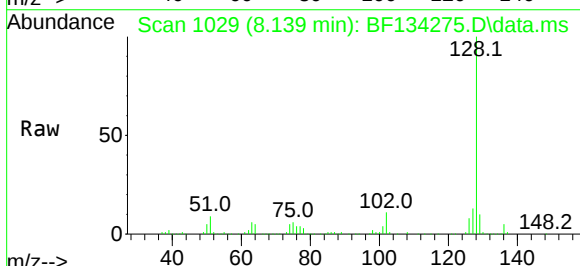
Delta R.T. -0.012 min

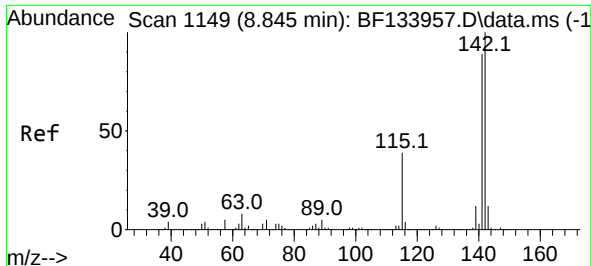
Lab File: BF134275.D

Acq: 13 Jul 2023 22:44

Tgt Ion:128 Resp: 84678

Ion	Ratio	Lower	Upper
128	100		
129	10.4	8.7	13.1
127	12.9	10.6	15.8





#37

2-Methylnaphthalene

Concen: 3.466 ng

RT: 8.834 min Scan# 1149

Delta R.T. -0.006 min

Lab File: BF134275.D

Acq: 13 Jul 2023 22:44

Instrument :

BNA_F

ClientSampleId :

ETGI-369DL

Tgt Ion:142 Resp: 29989

Ion Ratio Lower Upper

142 100

141 91.1 71.0 106.4

Manual Integrations

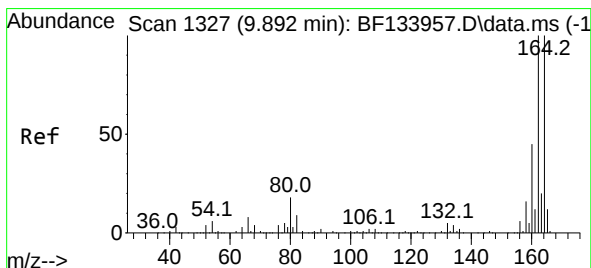
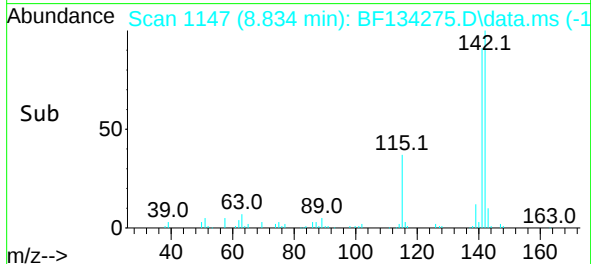
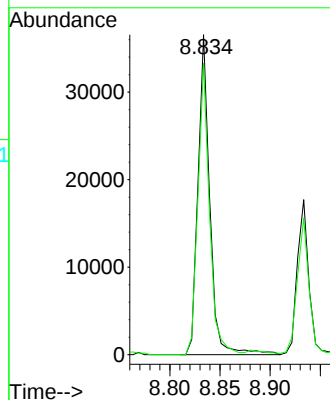
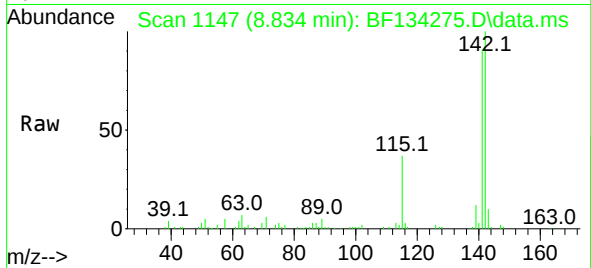
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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.880 min Scan# 1325

Delta R.T. -0.006 min

Lab File: BF134275.D

Acq: 13 Jul 2023 22:44

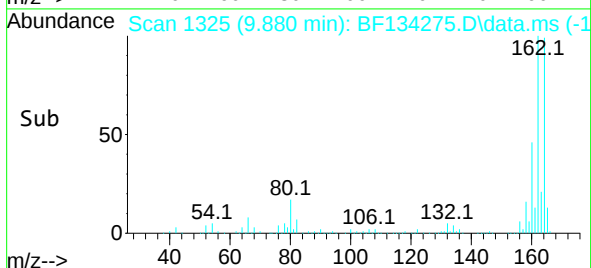
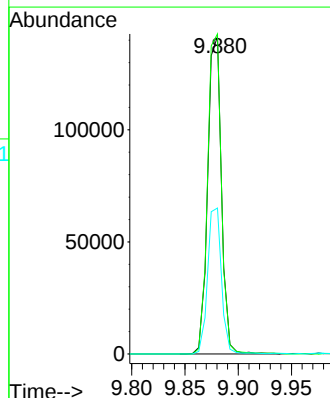
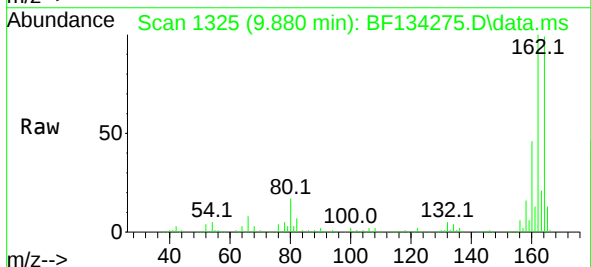
Tgt Ion:164 Resp: 127274

Ion Ratio Lower Upper

164 100

162 100.8 80.0 120.0

160 46.0 35.9 53.9





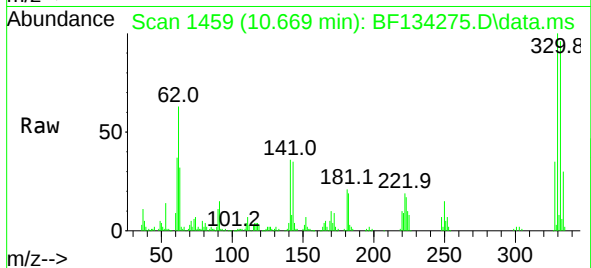
#42
2,4,6-Tribromophenol
Concen: 45.937 ng
RT: 10.669 min Scan# 1462
Delta R.T. -0.012 min
Lab File: BF134275.D
Acq: 13 Jul 2023 22:44

Instrument :

BNA_F

ClientSampleId :

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Tgt Ion: 330 Resp: 73304
Ion Ratio Lower Upper
330 100
332 98.5 77.0 115.6
141 34.0 26.3 39.5

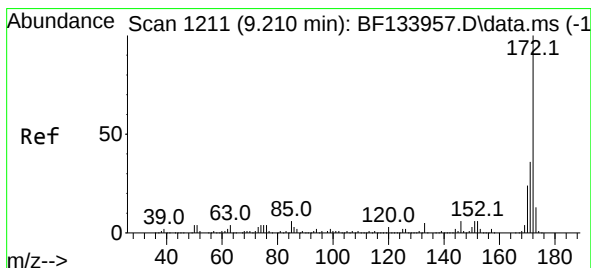
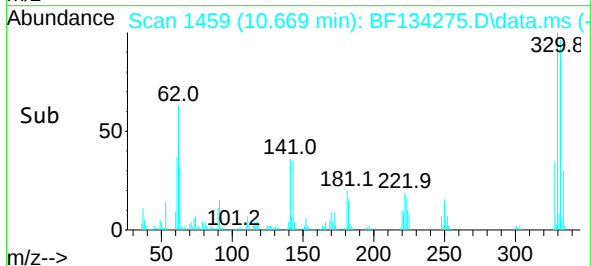
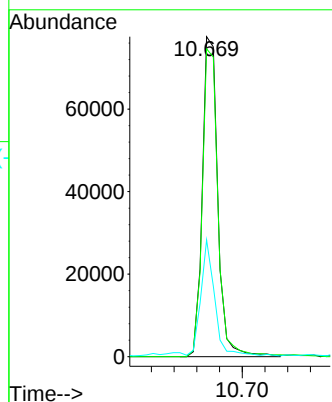
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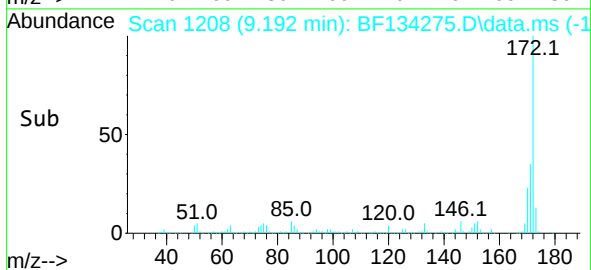
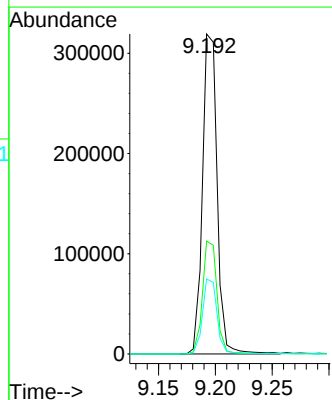
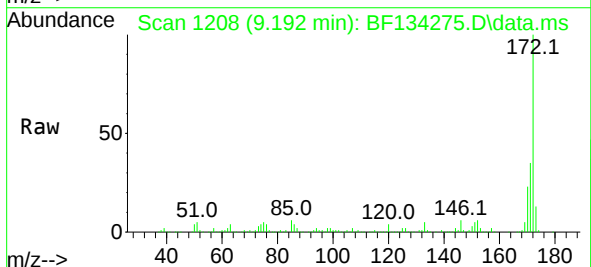
Supervised By : mohammad
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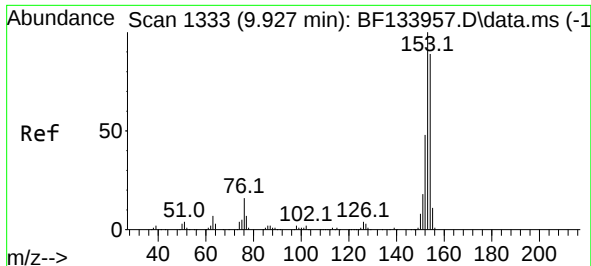
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#45
2-Fluorobiphenyl
Concen: 32.786 ng
RT: 9.192 min Scan# 1208
Delta R.T. -0.012 min
Lab File: BF134275.D
Acq: 13 Jul 2023 22:44

Tgt Ion: 172 Resp: 287006
Ion Ratio Lower Upper
172 100
171 35.3 28.6 43.0
170 23.5 19.4 29.0





#52
Acenaphthene
Concen: 4.549 ng
RT: 9.910 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF134275.D
Acq: 13 Jul 2023 22:44

Instrument :

BNA_F

ClientSampleId :

ETGI-369DL

Tgt Ion:154 Resp: 3368
Ion Ratio Lower Upper
154 100
153 111.0 89.4 134.2
152 53.9 42.8 64.2

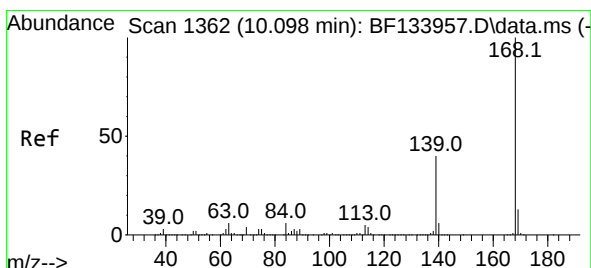
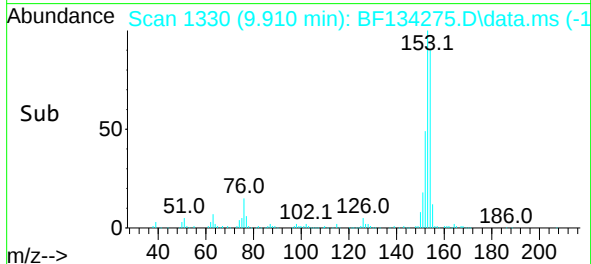
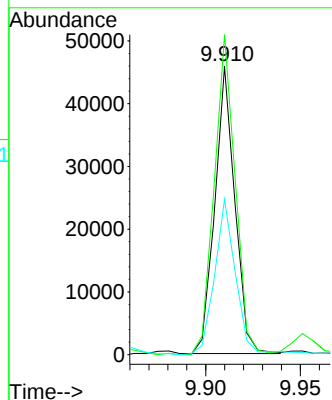
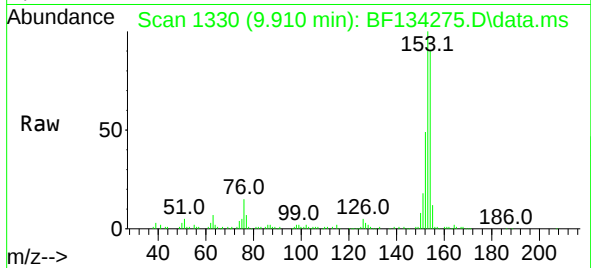
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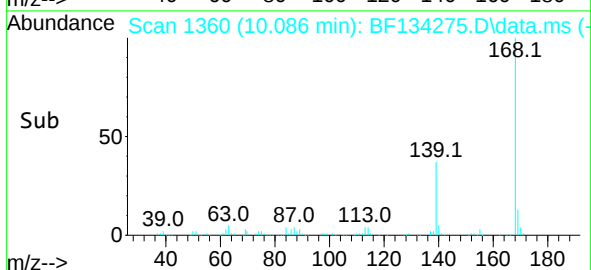
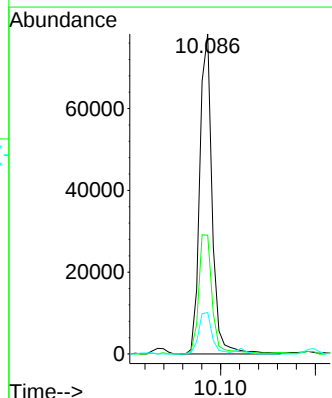
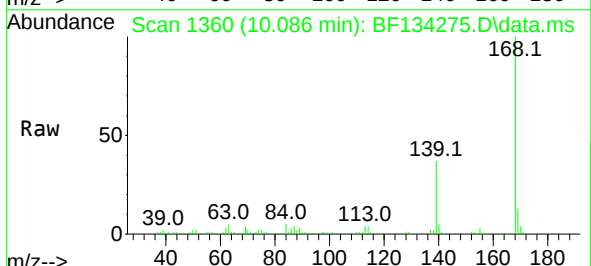
Supervised By :mohammad
ahmed

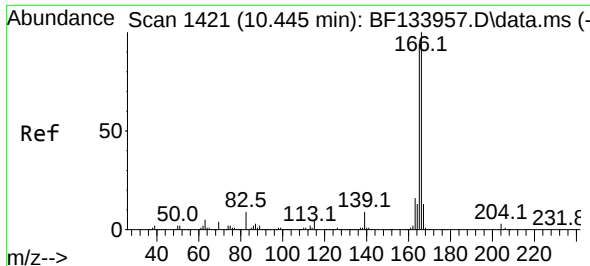
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#55
Dibenzofuran
Concen: 6.171 ng
RT: 10.086 min Scan# 1360
Delta R.T. -0.006 min
Lab File: BF134275.D
Acq: 13 Jul 2023 22:44

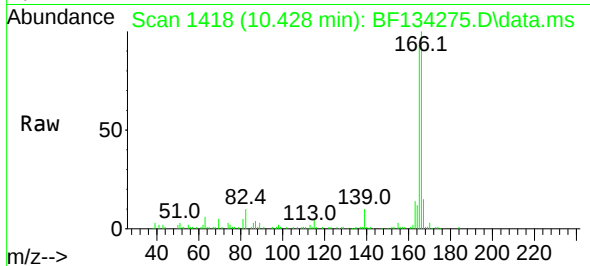
Tgt Ion:168 Resp: 71409
Ion Ratio Lower Upper
168 100
139 37.1 32.0 48.0
169 12.9 10.6 16.0





#58
Fluorene
Concen: 3.684 ng
RT: 10.428 min Scan# 1421
Delta R.T. -0.012 min
Lab File: BF134275.D
Acq: 13 Jul 2023 22:44

Instrument :
BNA_F
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ETGI-369DL



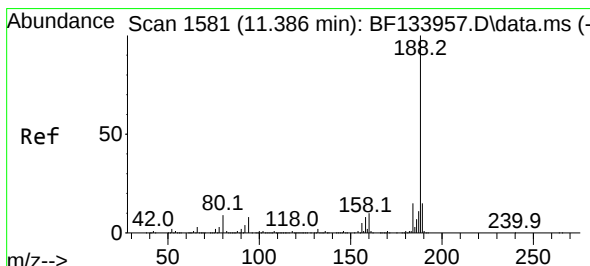
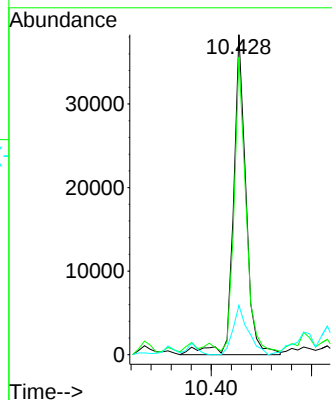
Tgt Ion:166 Resp: 33164
Ion Ratio Lower Upper
166 100
165 92.9 75.0 112.4
167 15.4 10.6 15.8

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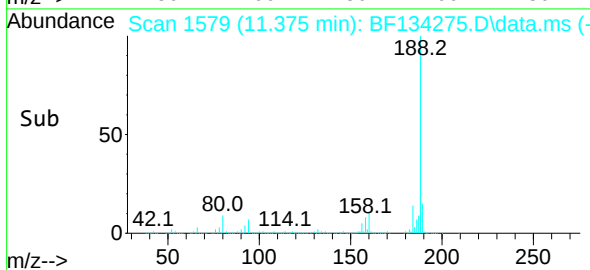
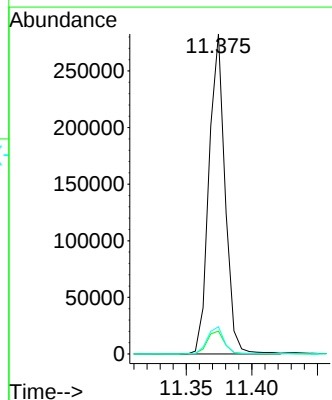
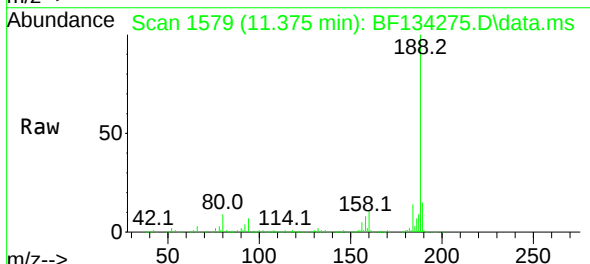
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ahmed

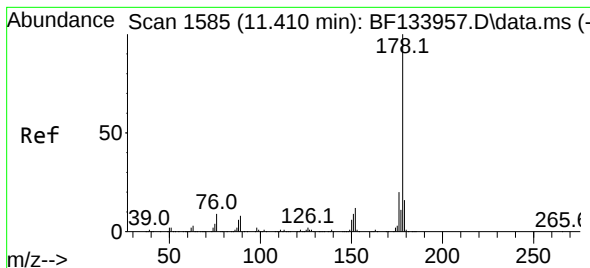
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#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.375 min Scan# 1579
Delta R.T. -0.006 min
Lab File: BF134275.D
Acq: 13 Jul 2023 22:44

Tgt Ion:188 Resp: 241235
Ion Ratio Lower Upper
188 100
94 7.2 6.4 9.6
80 8.5 7.3 10.9





#71

Phenanthrene

Concen: 25.674 ng

RT: 11.398 min Scan# 1583

Delta R.T. -0.006 min

Lab File: BF134275.D

Acq: 13 Jul 2023 22:44

Instrument :

BNA_F

ClientSampleId :

ETGI-369DL

Tgt Ion:178 Resp: 311789

Ion Ratio Lower Upper

178 100

176 19.4 16.0 24.0

179 14.8 12.4 18.6

Manual Integrations

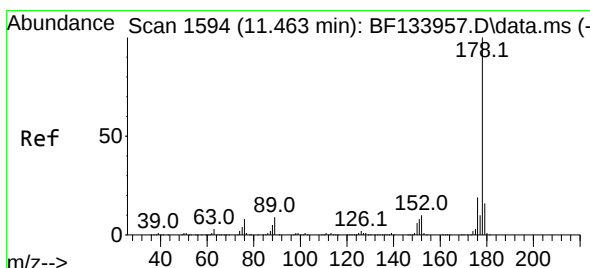
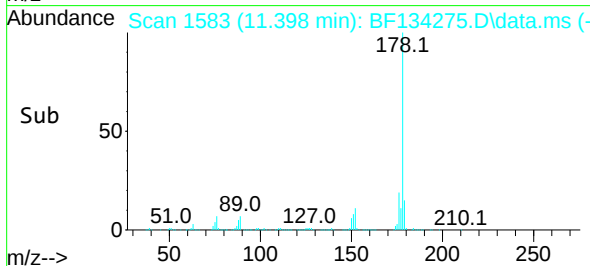
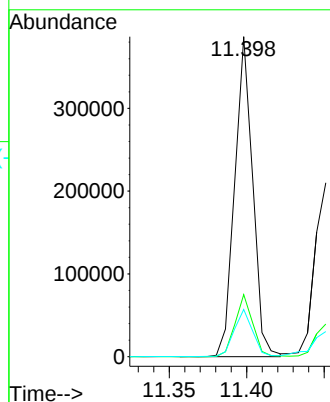
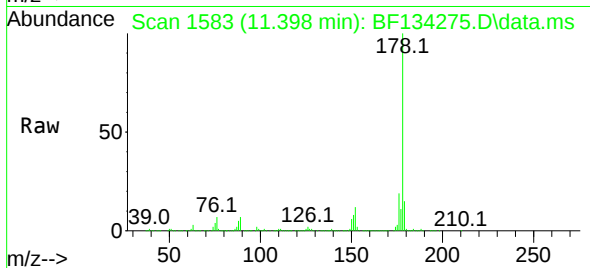
APPROVED

Reviewed By :Yogesh
Patel

07/14/2023

Supervised By :mohammad
ahmed

07/14/2023



#72

Anthracene

Concen: 14.298 ng

RT: 11.451 min Scan# 1592

Delta R.T. -0.006 min

Lab File: BF134275.D

Acq: 13 Jul 2023 22:44

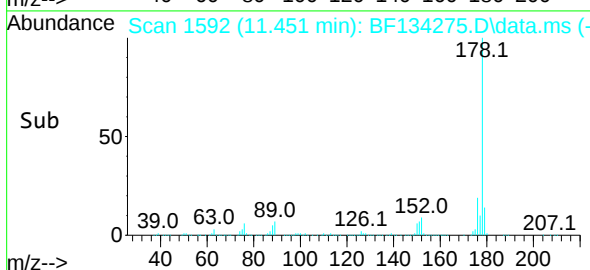
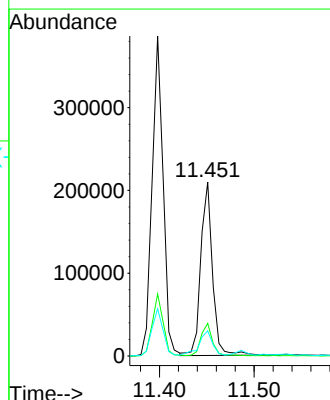
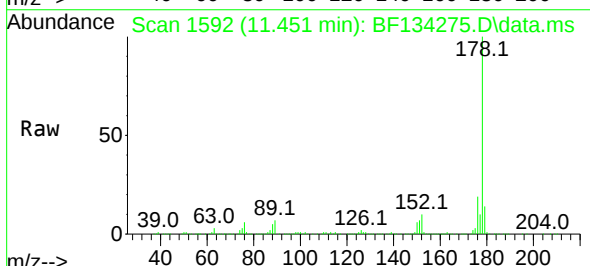
Tgt Ion:178 Resp: 180602

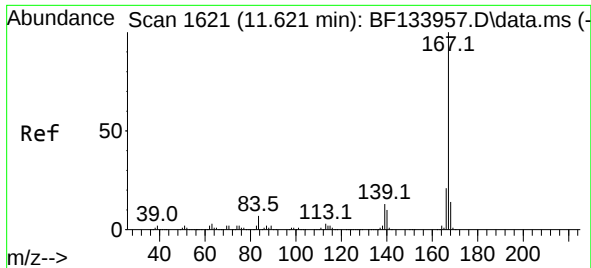
Ion Ratio Lower Upper

178 100

176 18.7 15.3 22.9

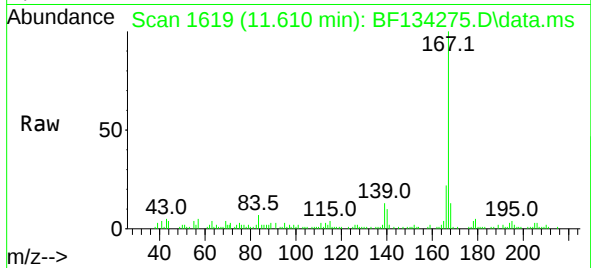
179 14.5 12.4 18.6





#73
 Carbazole
 Concen: 2.309 ng
 RT: 11.610 min Scan# 1621
 Delta R.T. -0.006 min
 Lab File: BF134275.D
 Acq: 13 Jul 2023 22:44

Instrument :
 BNA_F
 ClientSampleId :
 ETGI-369DL



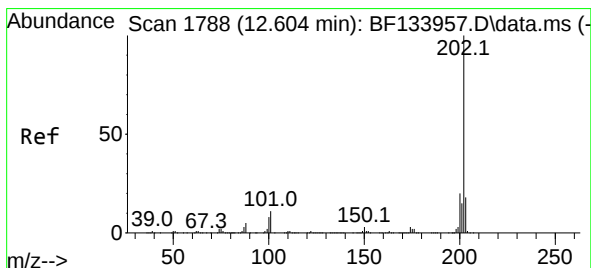
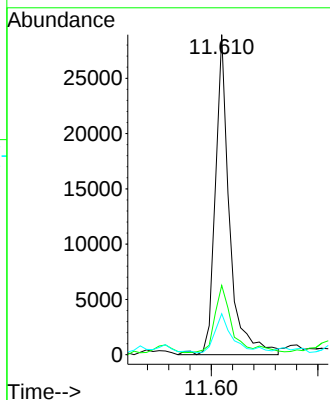
Tgt Ion:167 Resp: 2670
 Ion Ratio Lower Upper
 167 100
 166 21.7 17.0 25.6
 139 12.8 10.4 15.6

Manual Integrations
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Reviewed By :Yogesh
 Patel

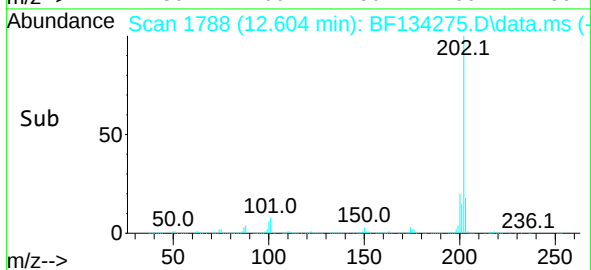
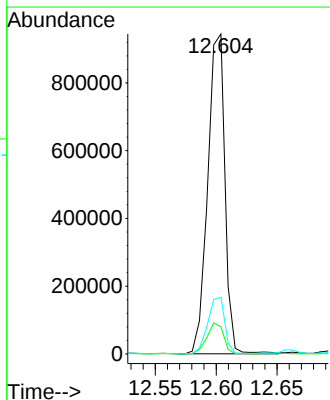
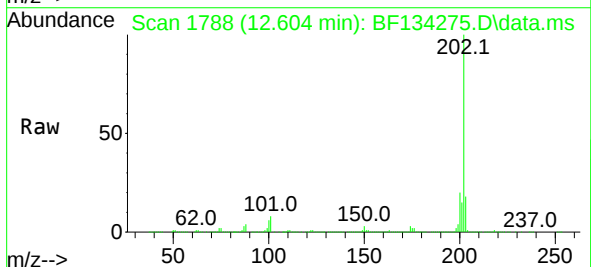
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 Supervised By :mohammad
 ahmed

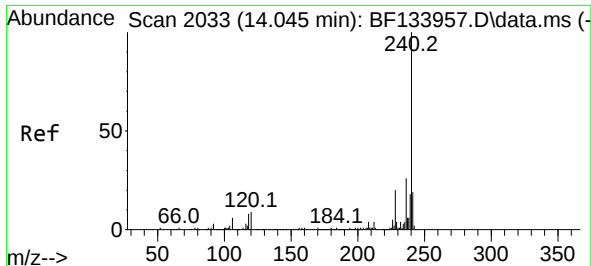
07/14/2023



#75
 Fluoranthene
 Concen: 70.622 ng
 RT: 12.604 min Scan# 1788
 Delta R.T. 0.000 min
 Lab File: BF134275.D
 Acq: 13 Jul 2023 22:44

Tgt Ion:202 Resp: 927193
 Ion Ratio Lower Upper
 202 100
 101 8.5 0.0 31.0
 203 17.7 0.0 37.6





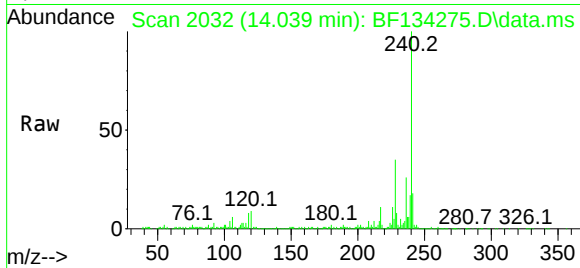
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.039 min Scan# 2033
Delta R.T. 0.000 min
Lab File: BF134275.D
Acq: 13 Jul 2023 22:44

Instrument :

BNA_F

ClientSampleId :

ETGI-369DL



Tgt Ion:240 Resp: 167485
Ion Ratio Lower Upper
240 100
120 9.0 7.4 11.0
236 26.0 21.0 31.6

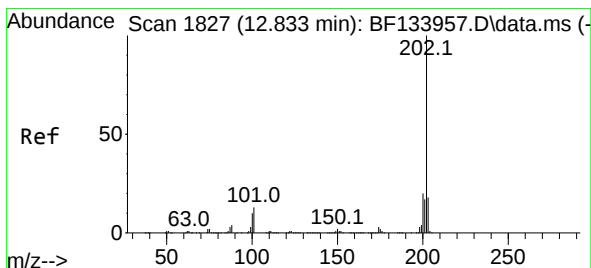
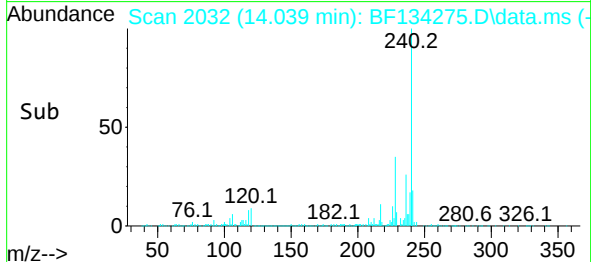
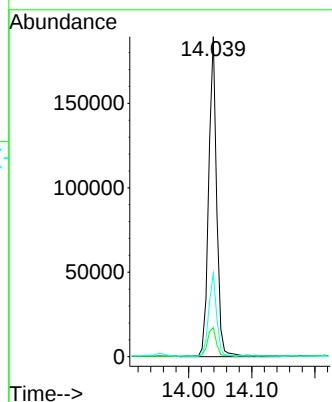
Manual Integrations
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Reviewed By :Yogesh
Patel

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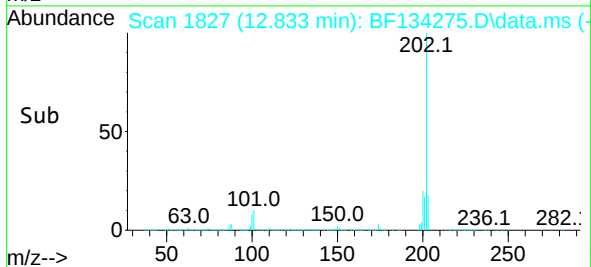
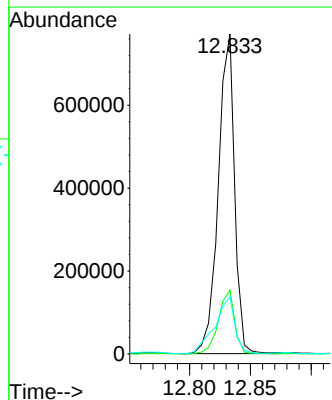
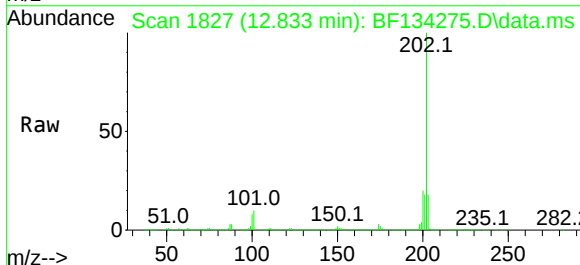
Supervised By :mohammad
ahmed

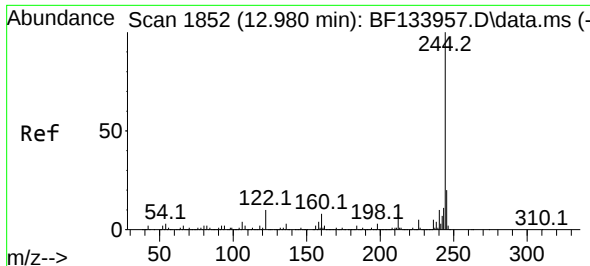
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#78
Pyrene
Concen: 46.302 ng
RT: 12.833 min Scan# 1827
Delta R.T. 0.000 min
Lab File: BF134275.D
Acq: 13 Jul 2023 22:44

Tgt Ion:202 Resp: 721702
Ion Ratio Lower Upper
202 100
200 20.0 16.1 24.1
203 17.8 14.3 21.5





#79
 Terphenyl-d14
 Concen: 28.545 ng
 RT: 12.969 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF134275.D
 Acq: 13 Jul 2023 22:44

Instrument :

BNA_F

ClientSampleId :

ETGI-369DL

Tgt Ion:244 Resp: 29705
 Ion Ratio Lower Upper
 244 100
 212 6.6 6.0 9.0
 122 9.5 8.3 12.5

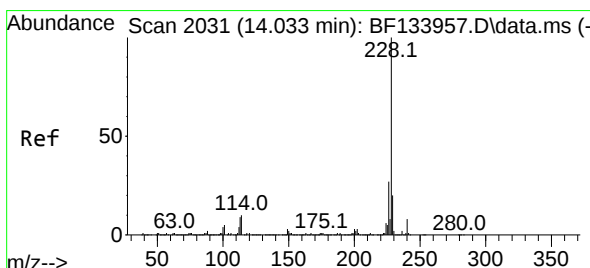
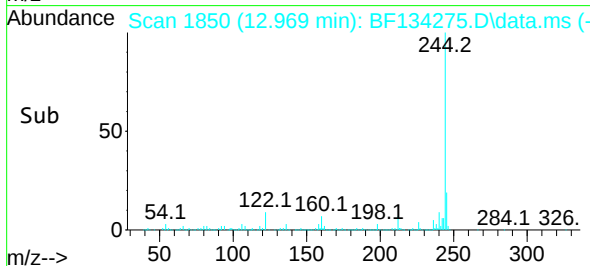
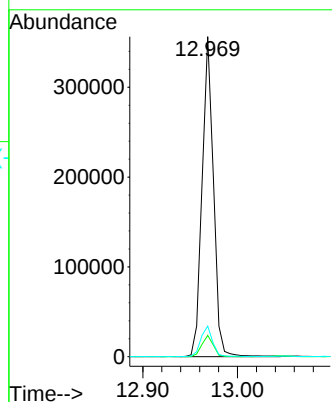
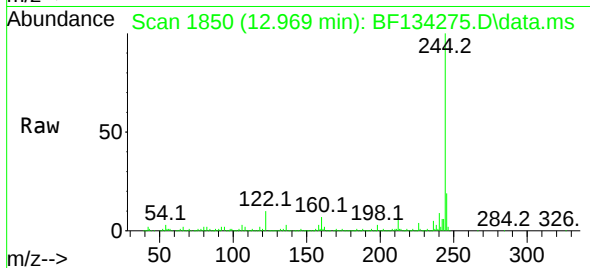
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Reviewed By :Yogesh
 Patel

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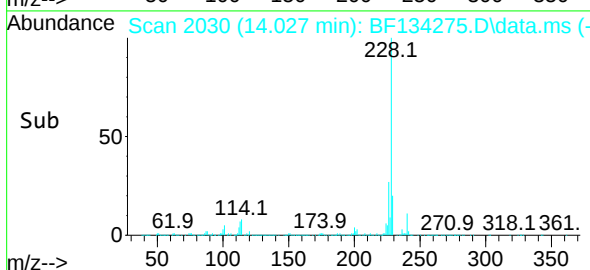
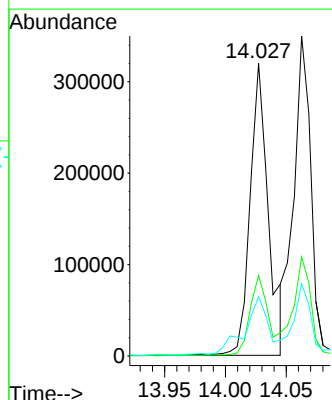
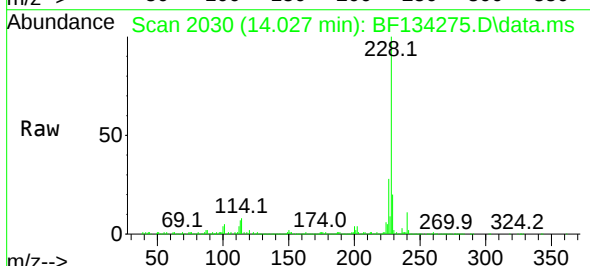
Supervised By :mohammad
 ahmed

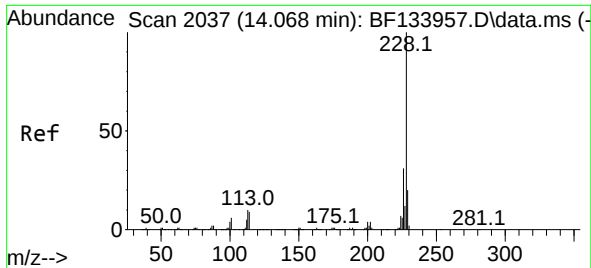
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#81
 Benzo(a)anthracene
 Concen: 28.730 ng
 RT: 14.027 min Scan# 2030
 Delta R.T. -0.006 min
 Lab File: BF134275.D
 Acq: 13 Jul 2023 22:44

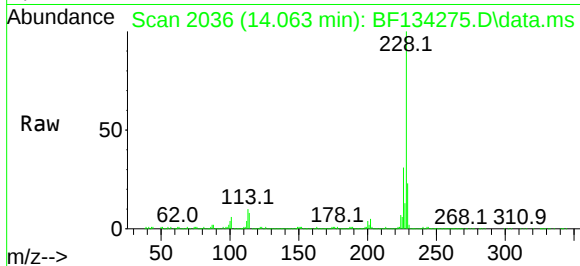
Tgt Ion:228 Resp: 333714
 Ion Ratio Lower Upper
 228 100
 226 27.5 22.0 33.0
 229 20.3 16.3 24.5





#83
Chrysene
Concen: 30.579 ng
RT: 14.063 min Scan# 2036
Delta R.T. -0.006 min
Lab File: BF134275.D
Acq: 13 Jul 2023 22:44

Instrument :
BNA_F
ClientSampleId :
ETGI-369DL



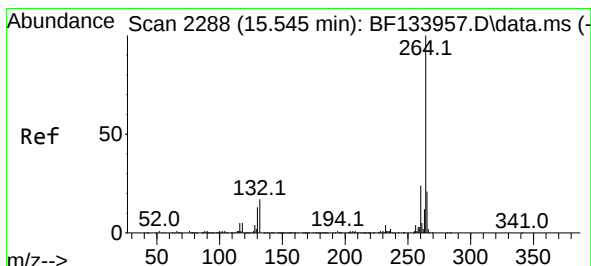
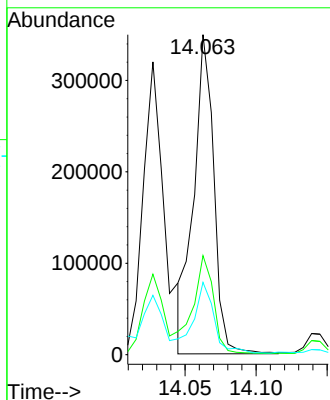
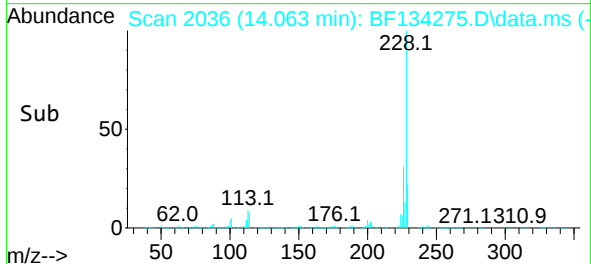
Tgt Ion:228 Resp: 34402
Ion Ratio Lower Upper
228 100
226 30.9 24.4 36.6
229 22.6 16.1 24.1

Manual Integrations
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Reviewed By :Yogesh
Patel

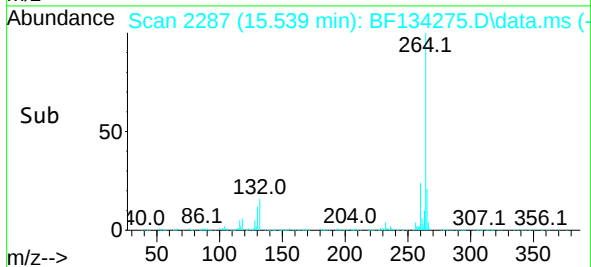
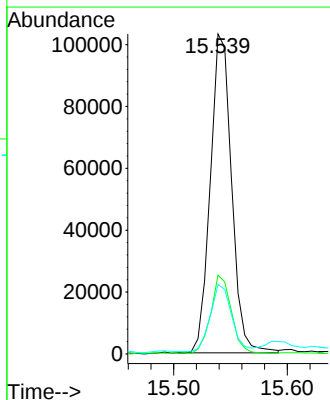
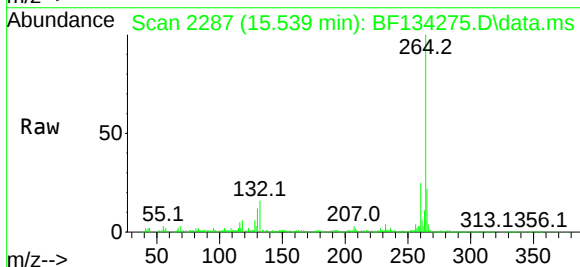
07/14/2023
Supervised By :mohammad
ahmed

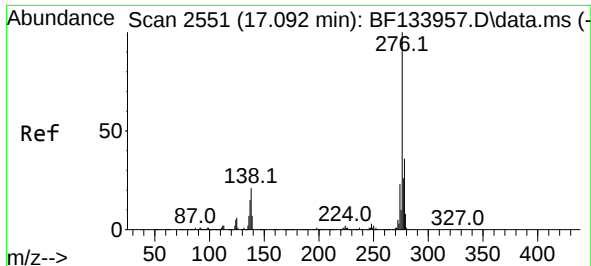
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#86
Perylene-d12
Concen: 20.000 ng
RT: 15.539 min Scan# 2287
Delta R.T. -0.006 min
Lab File: BF134275.D
Acq: 13 Jul 2023 22:44

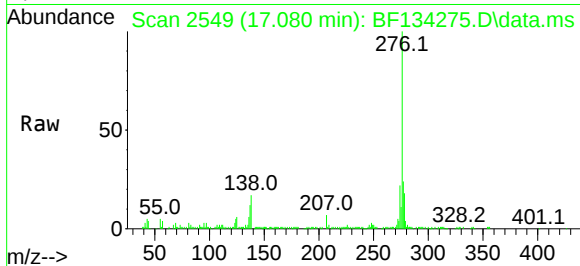
Tgt Ion:264 Resp: 134331
Ion Ratio Lower Upper
264 100
260 24.7 19.5 29.3
265 21.7 16.6 25.0





#87
Indeno(1,2,3-cd)pyrene
Concen: 8.517 ng
RT: 17.080 min Scan# 211
Delta R.T. -0.018 min
Lab File: BF134275.D
Acq: 13 Jul 2023 22:44

Instrument :
BNA_F
ClientSampleId :
ETGI-369DL



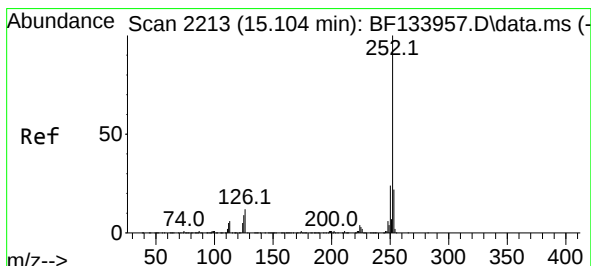
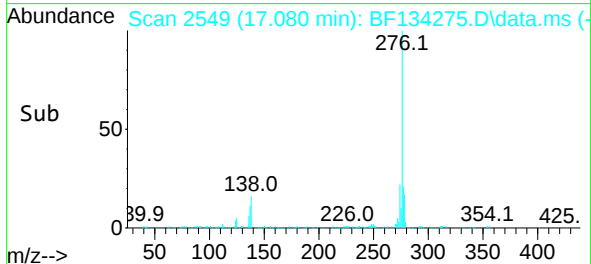
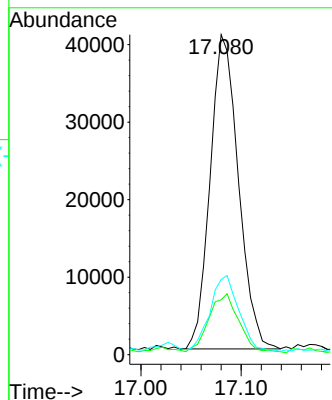
Tgt Ion:276 Resp: 7939
Ion Ratio Lower Upper
276 100
138 20.1 18.7 28.1
277 24.6 19.9 29.9

Manual Integrations
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Reviewed By :Yogesh
Patel

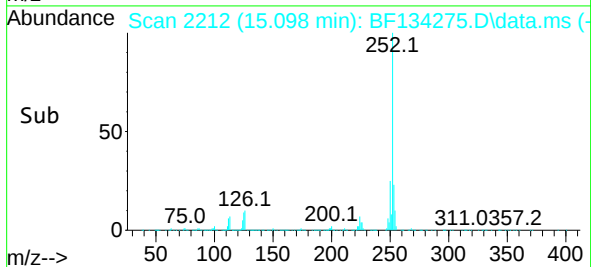
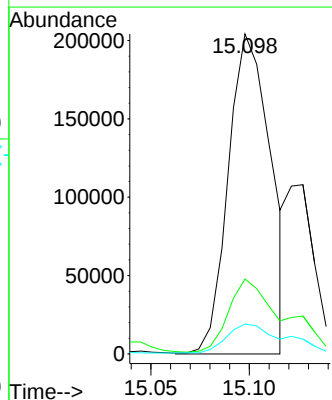
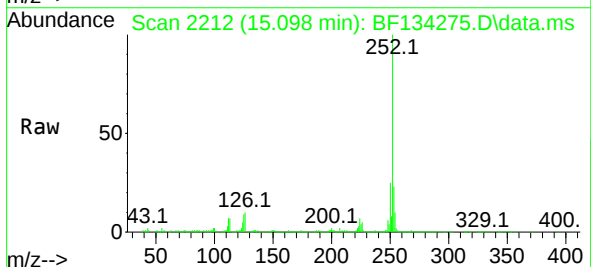
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Supervised By :mohammad
ahmed

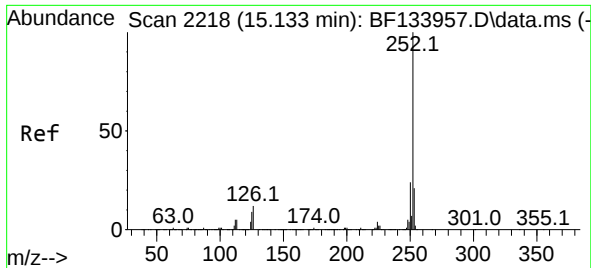
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#88
Benzo(b)fluoranthene
Concen: 38.576 ng m
RT: 15.098 min Scan# 2212
Delta R.T. -0.006 min
Lab File: BF134275.D
Acq: 13 Jul 2023 22:44

Tgt Ion:252 Resp: 304706
Ion Ratio Lower Upper
252 100
253 23.4 17.4 26.0
125 9.3 7.1 10.7





#89

Benzo(k)fluoranthene

Concen: 13.158 ng m

RT: 15.127 min Scan# 2218

Delta R.T. -0.006 min

Lab File: BF134275.D

Acq: 13 Jul 2023 22:44

Instrument :

BNA_F

ClientSampleId :

ETGI-369DL

Tgt Ion:252 Resp: 105818
 Ion Ratio Lower Upper
 252 100
 253 22.4 16.9 25.3
 125 8.8 7.4 11.2

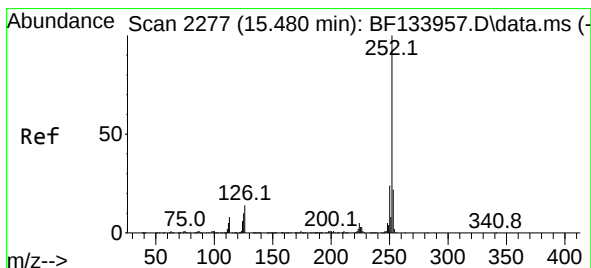
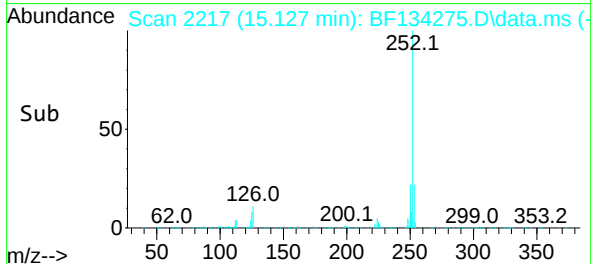
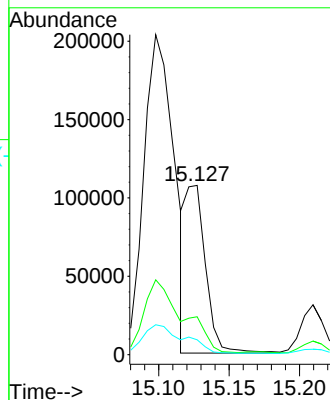
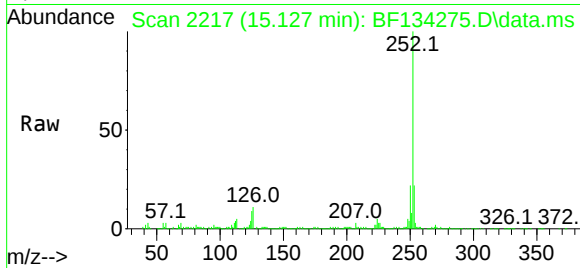
Manual Integrations
 APPROVED

Reviewed By :Yogesh
 Patel

07/14/2023

Supervised By :mohammad
 ahmed

07/14/2023



#90

Benzo(a)pyrene

Concen: 19.861 ng m

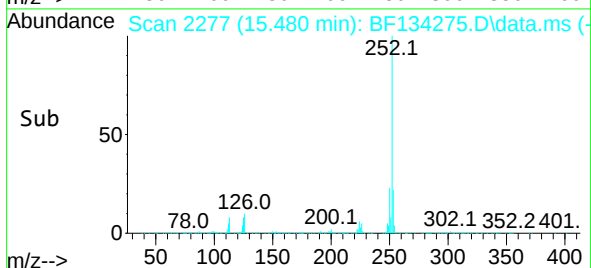
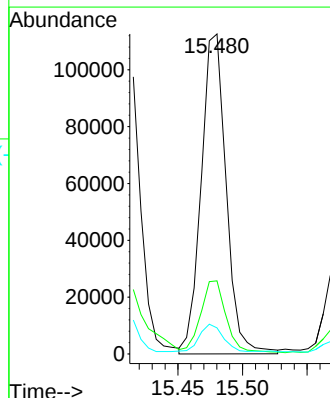
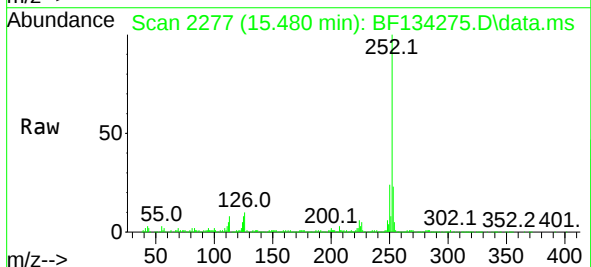
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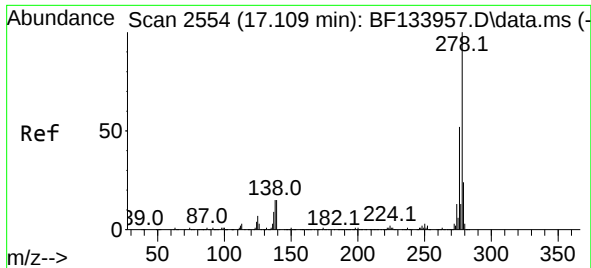
Delta R.T. 0.000 min

Lab File: BF134275.D

Acq: 13 Jul 2023 22:44

Tgt Ion:252 Resp: 151698
 Ion Ratio Lower Upper
 252 100
 253 22.9 17.4 26.0
 125 8.1 8.4 12.6#





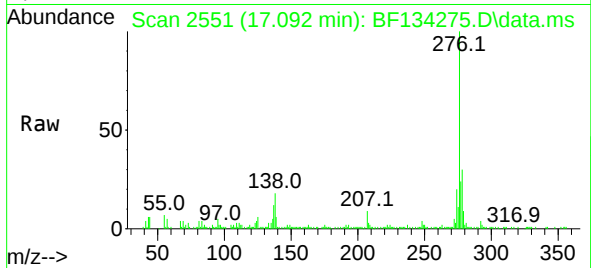
#91
Dibenzo(a,h)anthracene
Concen: 2.832 ng m
RT: 17.092 min Scan# 2155
Delta R.T. -0.024 min
Lab File: BF134275.D
Acq: 13 Jul 2023 22:44

Instrument :

BNA_F

ClientSampleId :

ETGI-369DL



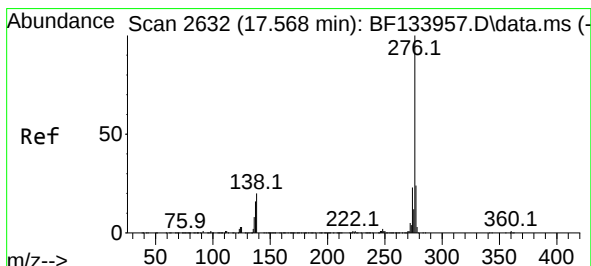
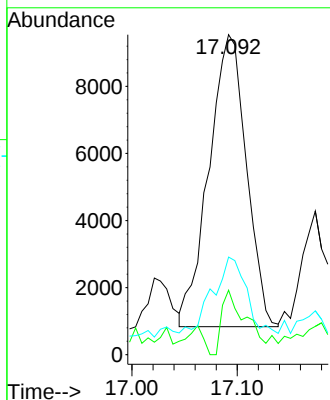
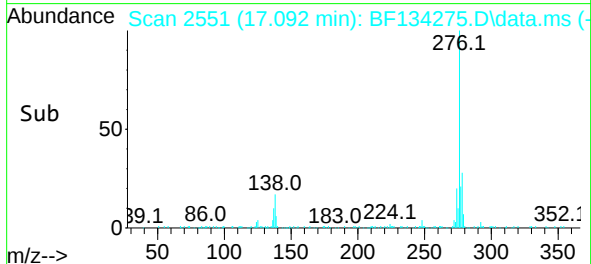
Tgt Ion:278 Resp: 2155
Ion Ratio Lower Upper
278 100
139 20.2 12.2 18.4
279 30.5 19.4 29.2

Manual Integrations
APPROVED

Reviewed By :Yogesh
Patel

07/14/2023
Supervised By :mohammad
ahmed

07/14/2023



#92
Benzo(g,h,i)perylene
Concen: 9.468 ng
RT: 17.551 min Scan# 2629
Delta R.T. -0.018 min
Lab File: BF134275.D
Acq: 13 Jul 2023 22:44

Tgt Ion:276 Resp: 74337
Ion Ratio Lower Upper
276 100
277 24.3 19.0 28.6
138 17.3 16.2 24.2

