

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082323\
 Data File : BF134910.D
 Acq On : 23 Aug 2023 18:13
 Operator : CG\JU
 Sample : 04082-05 2X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 72-11929

Manual Integrations
 APPROVED

Reviewed By :Yogesh
 Patel
 08/24/2023

Supervised By :mohammad
 ahmed
 08/24/2023

Quant Time: Aug 24 04:28:46 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082223.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 22 19:33:25 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.793	152	154184	20.000	ng	0.00
21) Naphthalene-d8	8.075	136	565720	20.000	ng	0.00
39) Acenaphthene-d10	9.834	164	238572	20.000	ng	0.00
64) Phenanthrene-d10	11.322	188	412716	20.000	ng	0.00
76) Chrysene-d12	13.980	240	277653	20.000	ng	0.00
86) Perylene-d12	15.457	264	221722	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.422	112	245856	25.428	ng	0.00
7) Phenol-d6	6.428	99	294525	23.839	ng	-0.01
23) Nitrobenzene-d5	7.351	82	163843	15.959	ng	-0.01
42) 2,4,6-Tribromophenol	10.622	330	58780	20.920	ng	0.00
45) 2-Fluorobiphenyl	9.151	172	300710	19.485	ng	0.00
79) Terphenyl-d14	12.922	244	284997	14.118	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.092	128	82654	2.926	ng	100
37) 2-Methylnaphthalene	8.787	142	109158	5.794	ng	100
38) 1-Methylnaphthalene	8.887	142	80534	4.572	ng	97
55) Dibenzofuran	10.034	168	46012	2.316	ng	# 95
58) Fluorene	10.381	166	35092	2.329	ng	98
71) Phenanthrene	11.351	178	354462	16.390	ng	98
72) Anthracene	11.398	178	68989	3.113	ng	100
75) Fluoranthene	12.545	202	378330	18.462	ng	98
78) Pyrene	12.775	202	320260	10.879	ng	99
80) Butylbenzylphthalate	13.404	149	21790	2.429	ng	90
81) Benzo(a)anthracene	13.969	228	119193	6.292	ng	95
83) Chrysene	14.004	228	108580	5.809	ng	97
87) Indeno(1,2,3-cd)pyrene	16.945	276	43595	2.751	ng	97
88) Benzo(b)fluoranthene	15.027	252	114744m	9.173	ng	
89) Benzo(k)fluoranthene	15.051	252	30735m	2.502	ng	
90) Benzo(a)pyrene	15.392	252	77167	6.179	ng	# 94
92) Benzo(g,h,i)perylene	17.398	276	46874	3.571	ng	99

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

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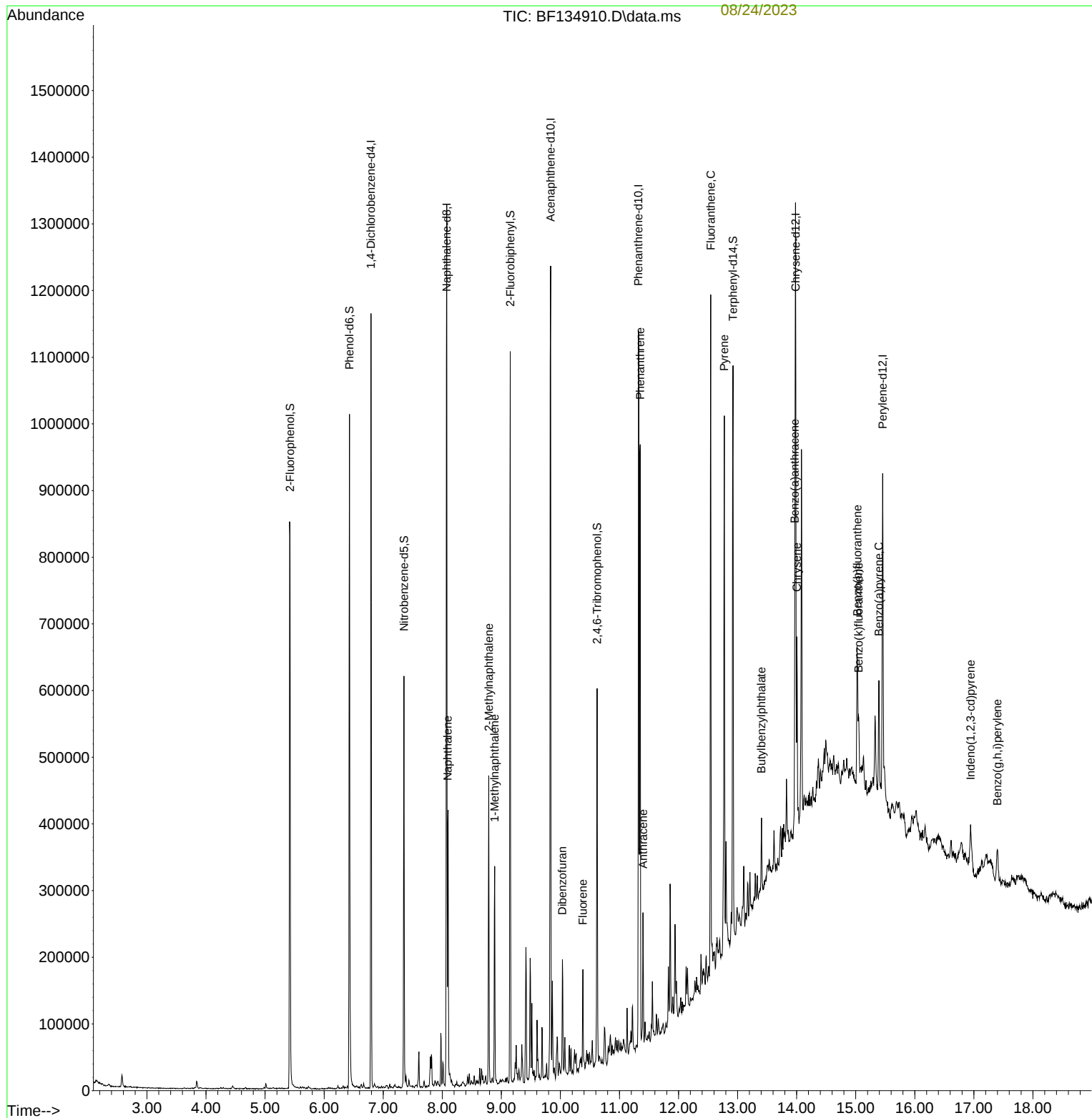
Instrument :
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72-11929

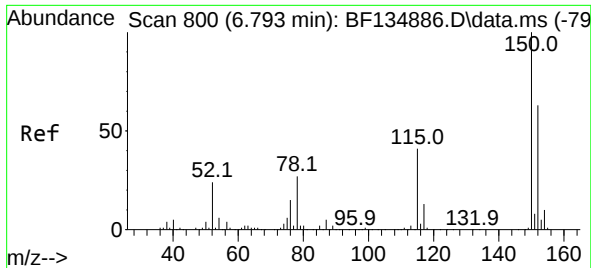
Manual Integrations
APPROVED

Reviewed By :Yogesh
Patel
08/24/2023

Supervised By :mohammad
ahmed
08/24/2023

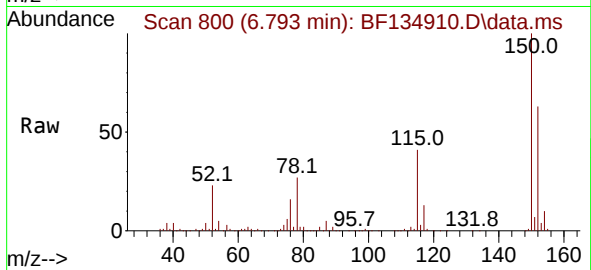
Quant Time: Aug 24 04:28:46 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082223.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 22 19:33:25 2023
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.793 min Scan# 800
Delta R.T. -0.000 min
Lab File: BF134910.D
Acq: 23 Aug 2023 18:13

Instrument :
BNA_F
ClientSampleId :
72-11929

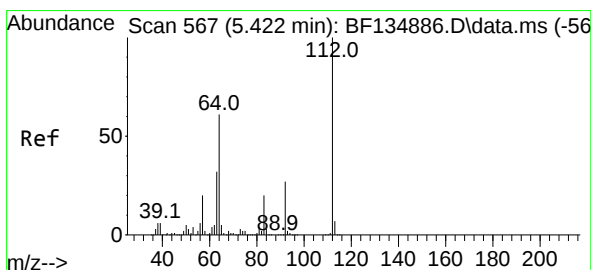
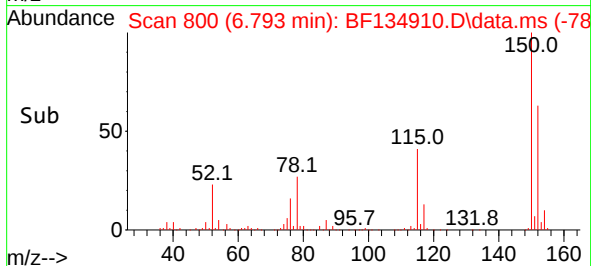
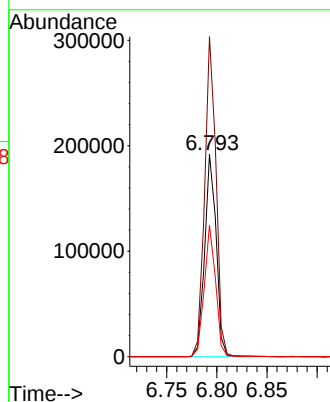


Tgt Ion:152 Resp: 154184
Ion Ratio Lower Upper
152 100
150 158.3 126.1 189.1
115 65.1 51.1 76.7

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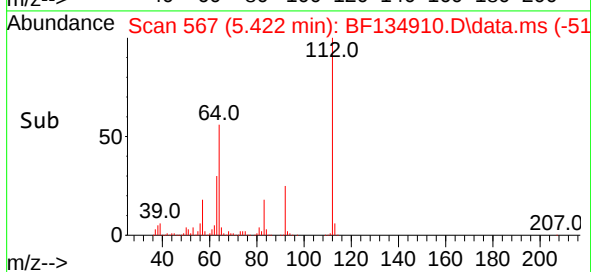
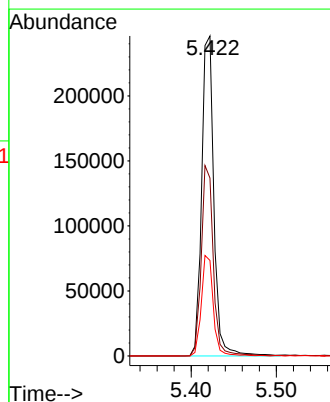
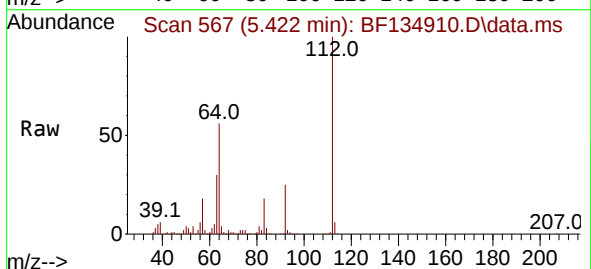
Reviewed By :Yogesh
Patel
08/24/2023

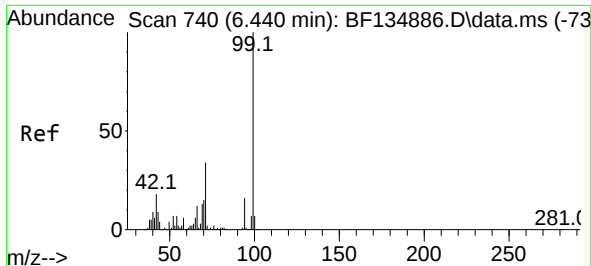
Supervised By :mohammad
ahmed
08/24/2023



#5
2-Fluorophenol
Concen: 25.428 ng
RT: 5.422 min Scan# 567
Delta R.T. 0.000 min
Lab File: BF134910.D
Acq: 23 Aug 2023 18:13

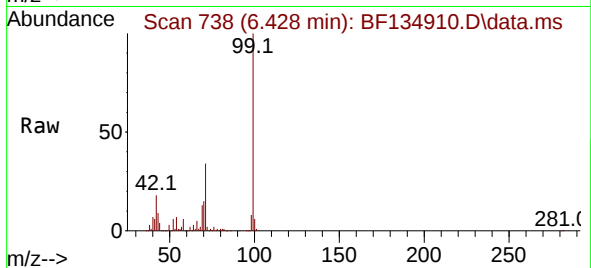
Tgt Ion:112 Resp: 245856
Ion Ratio Lower Upper
112 100
64 55.6 48.6 73.0
63 29.8 25.7 38.5





#7
Phenol-d6
Concen: 23.839 ng
RT: 6.428 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF134910.D
Acq: 23 Aug 2023 18:13

Instrument :
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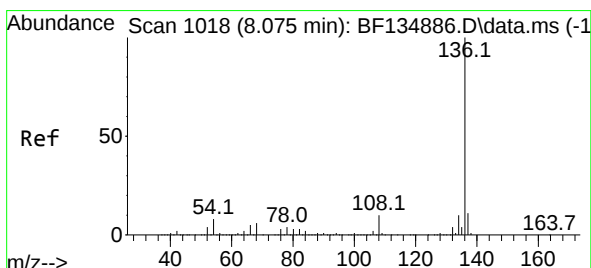
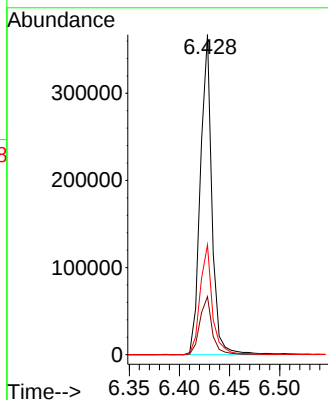
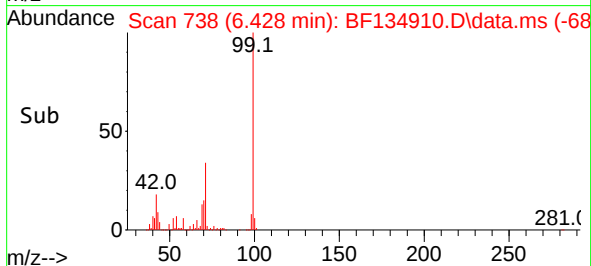


Tgt Ion: 99 Resp: 29452
Ion Ratio Lower Upper
99 100
42 18.1 14.6 22.0
71 34.3 27.6 41.4

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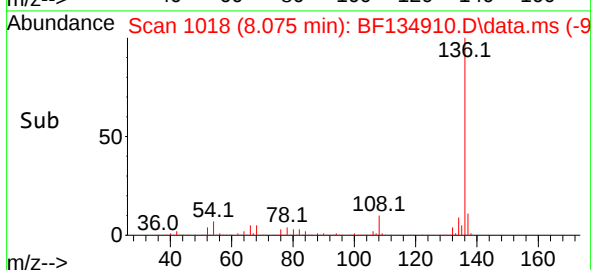
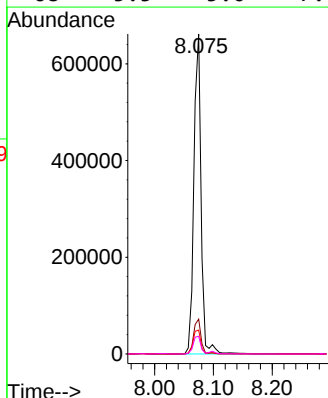
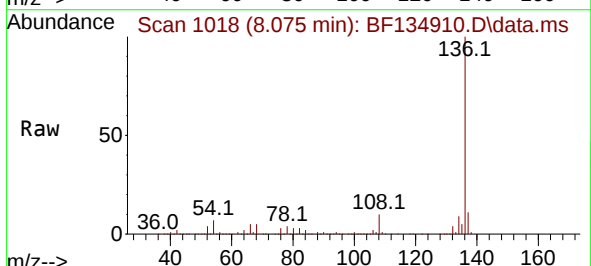
Reviewed By :Yogesh
Patel
08/24/2023

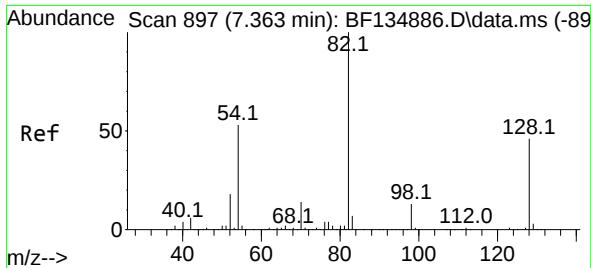
Supervised By :mohammad
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08/24/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.075 min Scan# 1018
Delta R.T. -0.000 min
Lab File: BF134910.D
Acq: 23 Aug 2023 18:13

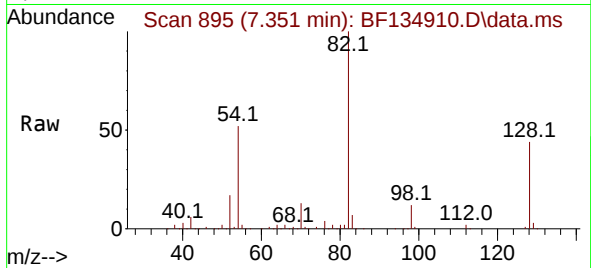
Tgt Ion:136 Resp: 565720
Ion Ratio Lower Upper
136 100
137 10.9 8.9 13.3
54 7.4 6.6 9.8
68 5.5 5.0 7.4





#23
Nitrobenzene-d5
Concen: 15.959 ng
RT: 7.351 min Scan# 897
Delta R.T. -0.012 min
Lab File: BF134910.D
Acq: 23 Aug 2023 18:13

Instrument :
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ClientSampleId :
72-11929

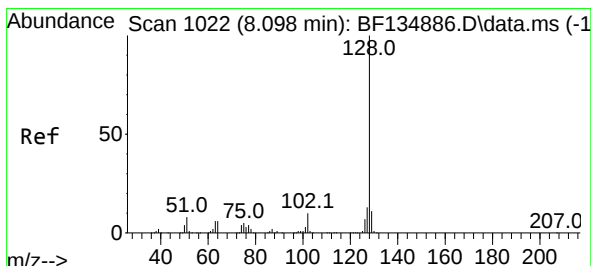
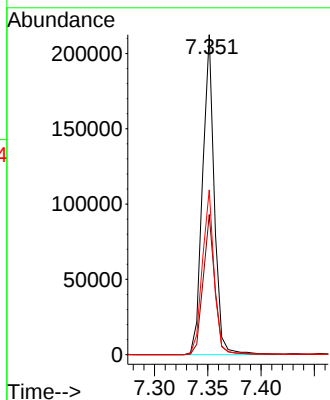
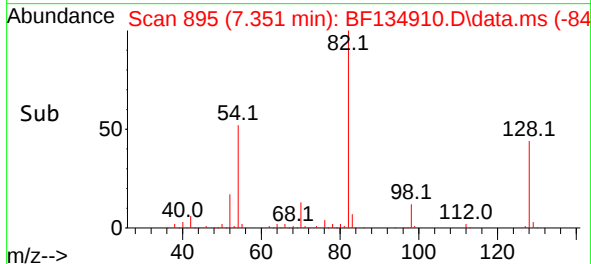


Tgt Ion: 82 Resp: 16384
Ion Ratio Lower Upper
82 100
128 43.8 36.6 54.8
54 51.5 42.6 63.8

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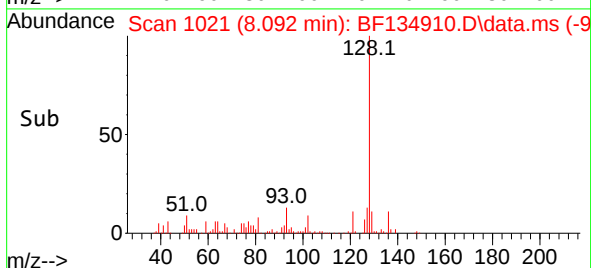
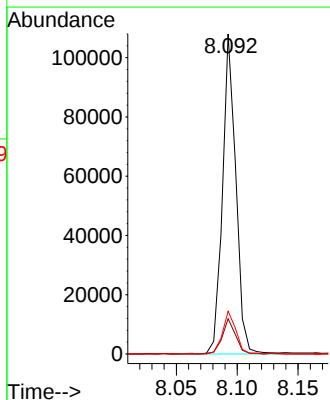
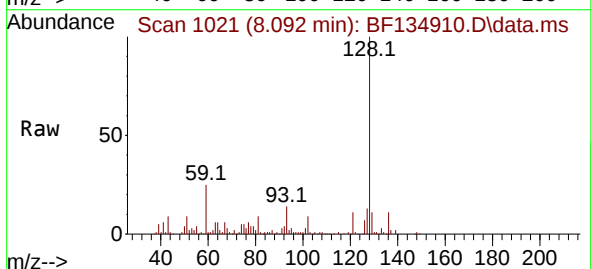
Reviewed By :Yogesh
Patel
08/24/2023

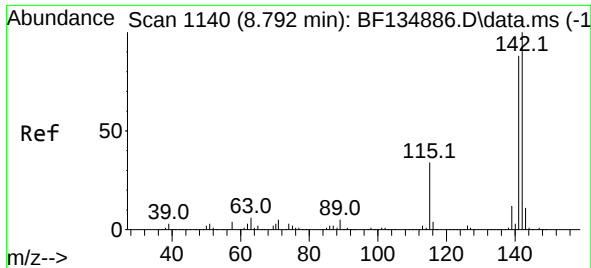
Supervised By :mohammad
ahmed
08/24/2023



#31
Naphthalene
Concen: 2.926 ng
RT: 8.092 min Scan# 1021
Delta R.T. -0.006 min
Lab File: BF134910.D
Acq: 23 Aug 2023 18:13

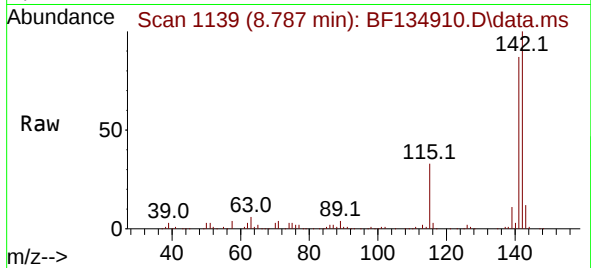
Tgt Ion:128 Resp: 82654
Ion Ratio Lower Upper
128 100
129 11.0 9.0 13.4
127 13.4 10.6 16.0





#37
2-Methylnaphthalene
Concen: 5.794 ng
RT: 8.787 min Scan# 1139
Delta R.T. -0.006 min
Lab File: BF134910.D
Acq: 23 Aug 2023 18:13

Instrument :
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ClientSampleId :
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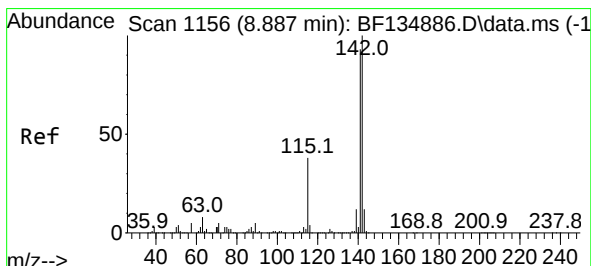
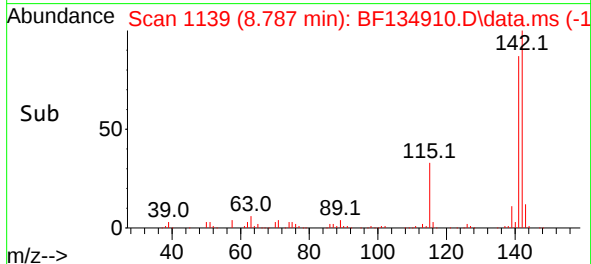
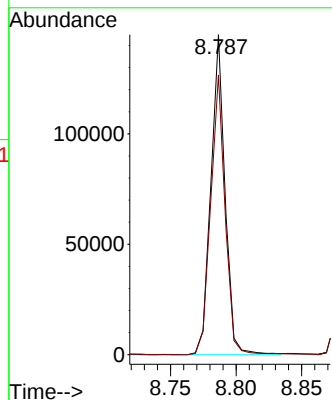


Tgt Ion:142 Resp: 109158
Ion Ratio Lower Upper
142 100
141 87.4 70.2 105.2

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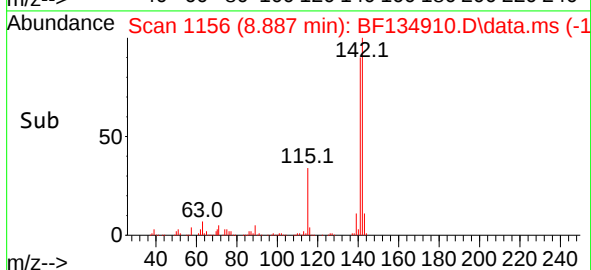
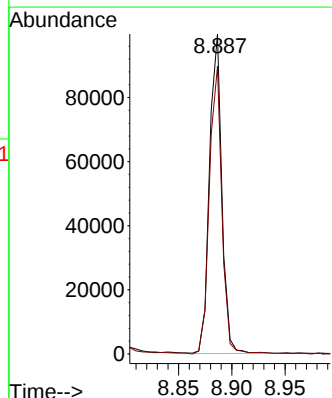
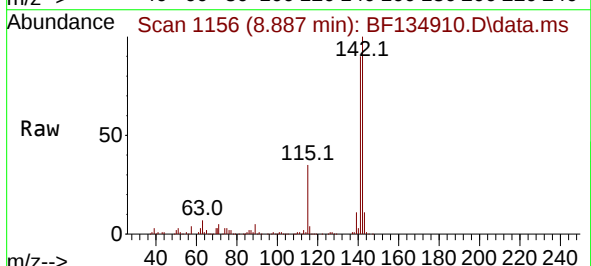
Reviewed By :Yogesh
Patel
08/24/2023

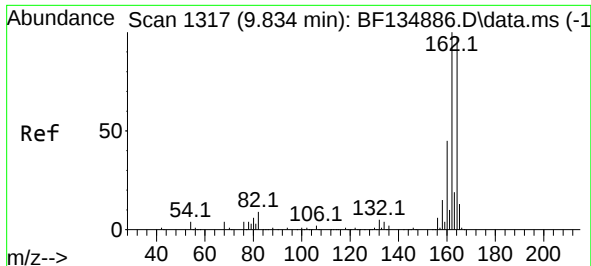
Supervised By :mohammad
ahmed
08/24/2023



#38
1-Methylnaphthalene
Concen: 4.572 ng
RT: 8.887 min Scan# 1156
Delta R.T. 0.000 min
Lab File: BF134910.D
Acq: 23 Aug 2023 18:13

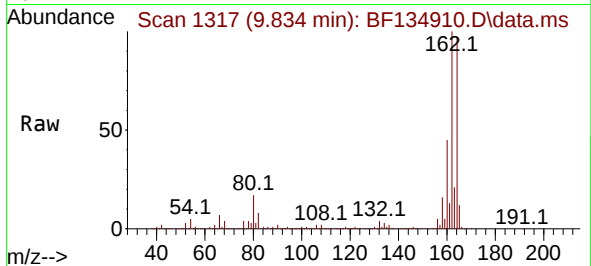
Tgt Ion:142 Resp: 80534
Ion Ratio Lower Upper
142 100
141 89.9 74.1 111.1





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.834 min Scan# 1317
Delta R.T. 0.000 min
Lab File: BF134910.D
Acq: 23 Aug 2023 18:13

Instrument :
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72-11929

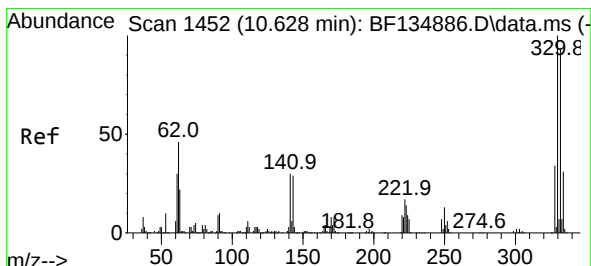
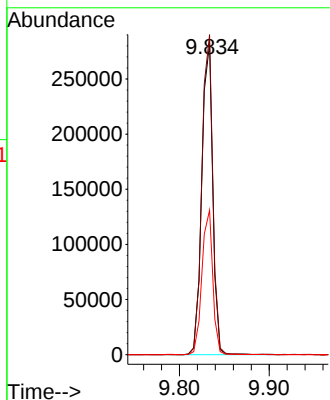
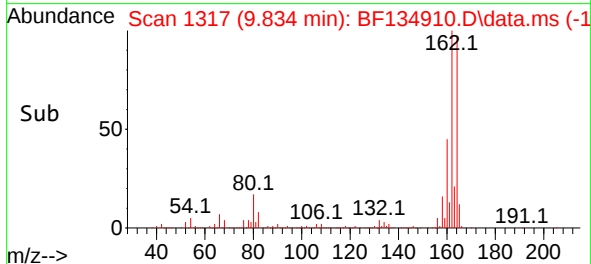


Tgt Ion:164 Resp: 238572
Ion Ratio Lower Upper
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162 102.9 82.6 123.8
160 46.4 37.0 55.4

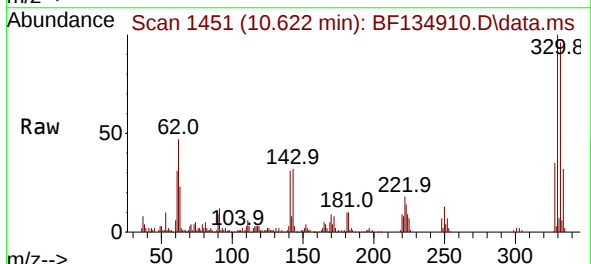
Manual Integrations
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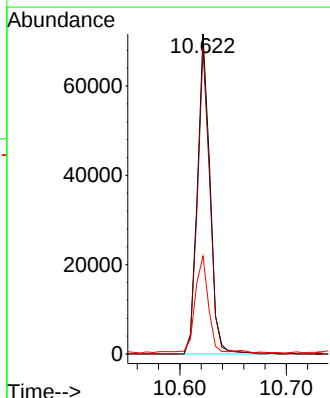
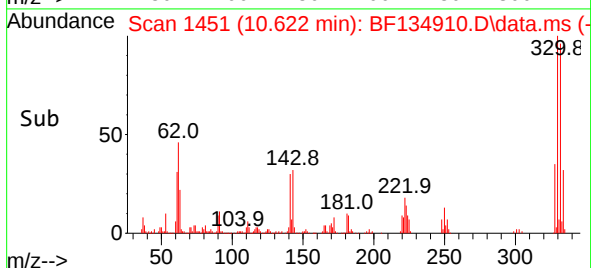
Supervised By :mohammad
ahmed
08/24/2023

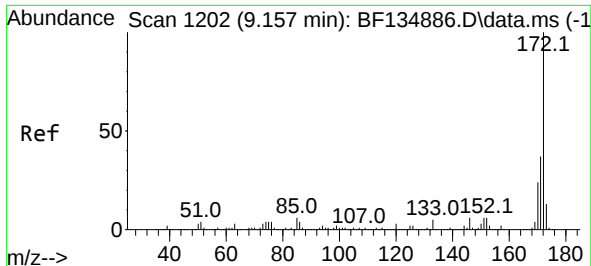


#42
2,4,6-Tribromophenol
Concen: 20.920 ng
RT: 10.622 min Scan# 1451
Delta R.T. -0.006 min
Lab File: BF134910.D
Acq: 23 Aug 2023 18:13



Tgt Ion:330 Resp: 58780
Ion Ratio Lower Upper
330 100
332 94.7 76.3 114.5
141 32.6 23.4 35.2





#45

2-Fluorobiphenyl

Concen: 19.485 ng

RT: 9.151 min Scan# 1201

Delta R.T. -0.006 min

Lab File: BF134910.D

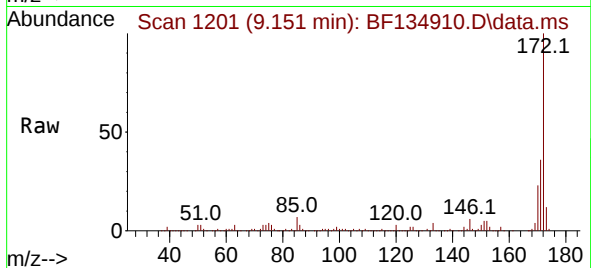
Acq: 23 Aug 2023 18:13

Instrument :

BNA_F

ClientSampleId :

72-11929



Tgt Ion:172 Resp: 300710

Ion Ratio Lower Upper

172 100

171 36.1 29.4 44.0

170 22.6 19.6 29.4

Manual Integrations

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Reviewed By :Yogesh

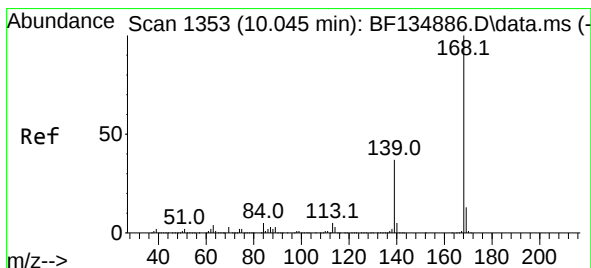
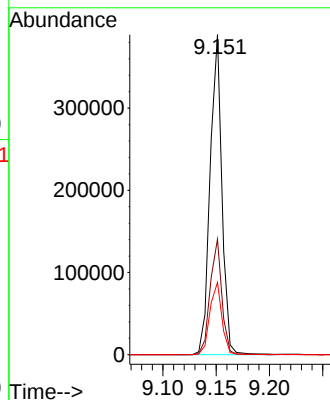
Patel

08/24/2023

Supervised By :mohammad

ahmed

08/24/2023



#55

Dibenzofuran

Concen: 2.316 ng

RT: 10.034 min Scan# 1351

Delta R.T. -0.012 min

Lab File: BF134910.D

Acq: 23 Aug 2023 18:13

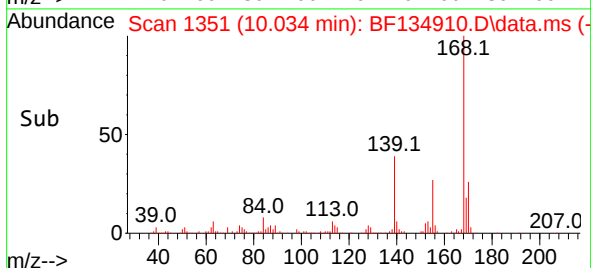
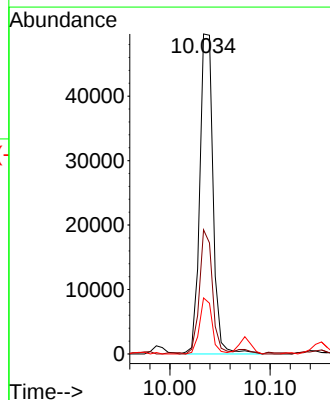
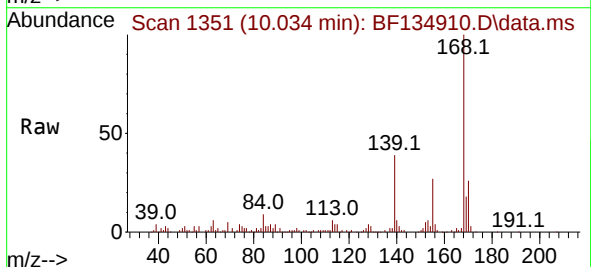
Tgt Ion:168 Resp: 46012

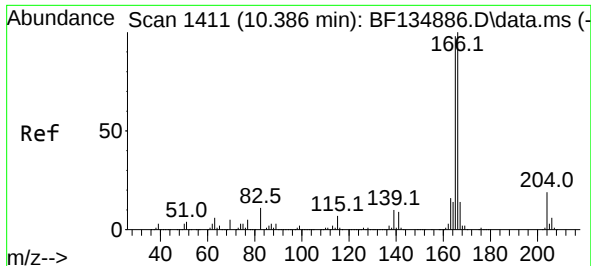
Ion Ratio Lower Upper

168 100

139 38.8 29.5 44.3

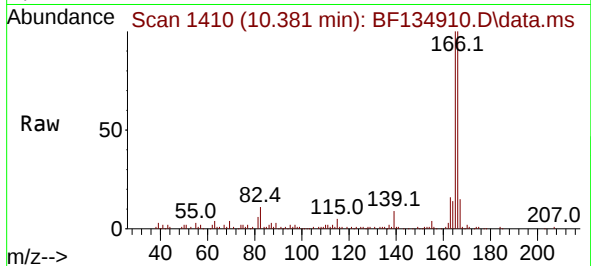
169 17.5 10.7 16.1#





#58
Fluorene
Concen: 2.329 ng
RT: 10.381 min Scan# 1411
Delta R.T. -0.005 min
Lab File: BF134910.D
Acq: 23 Aug 2023 18:13

Instrument :
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ClientSampleId :
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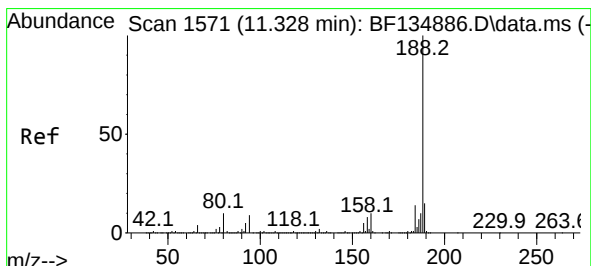
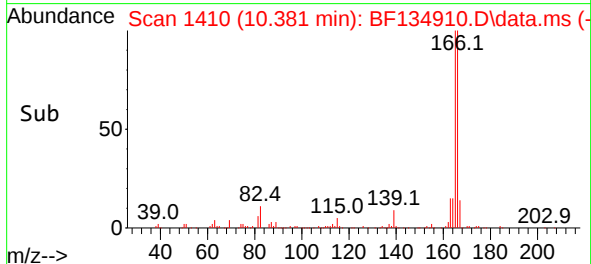
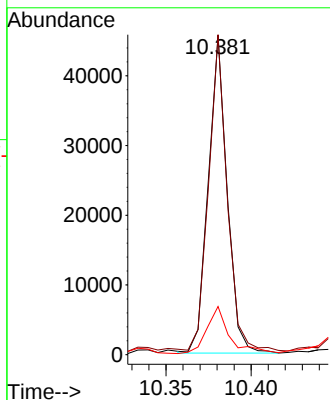


Tgt Ion:166 Resp: 35092
Ion Ratio Lower Upper
166 100
165 100.2 78.5 117.7
167 15.1 11.0 16.6

Manual Integrations
APPROVED

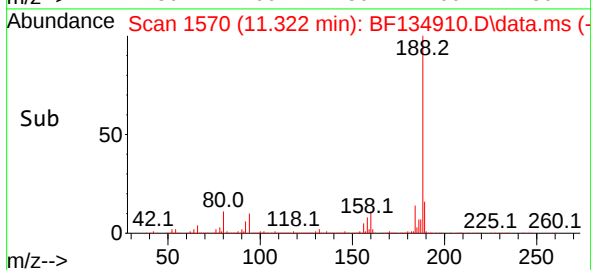
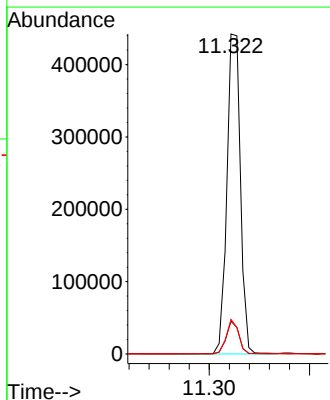
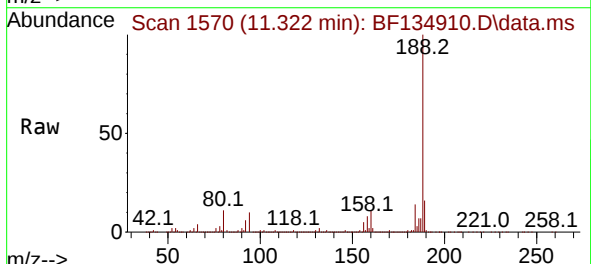
Reviewed By :Yogesh
Patel
08/24/2023

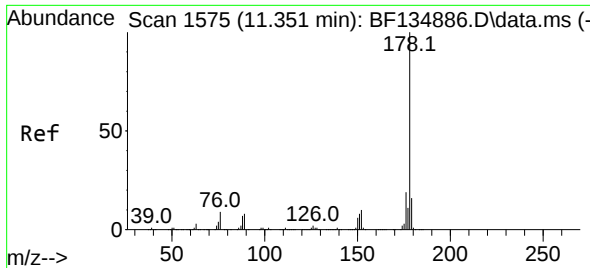
Supervised By :mohammad
ahmed
08/24/2023



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.322 min Scan# 1570
Delta R.T. -0.006 min
Lab File: BF134910.D
Acq: 23 Aug 2023 18:13

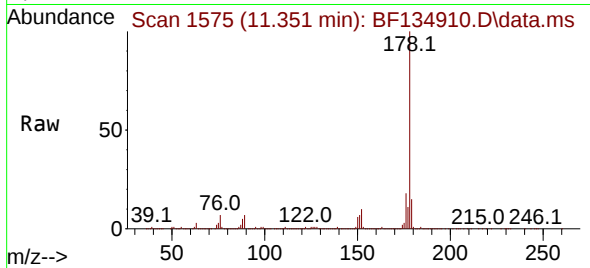
Tgt Ion:188 Resp: 412716
Ion Ratio Lower Upper
188 100
94 10.2 7.5 11.3
80 10.8 7.8 11.6





#71
Phenanthrene
Concen: 16.390 ng
RT: 11.351 min Scan# 1575
Delta R.T. 0.000 min
Lab File: BF134910.D
Acq: 23 Aug 2023 18:13

Instrument :
BNA_F
ClientSampleId :
72-11929

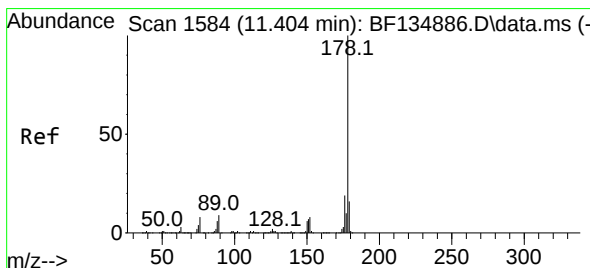
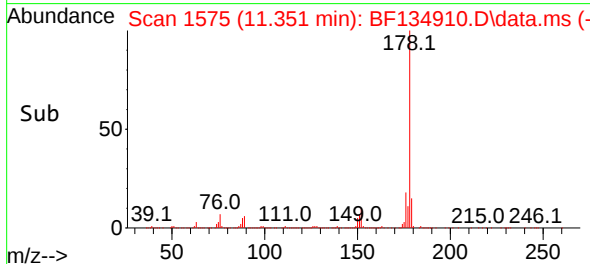
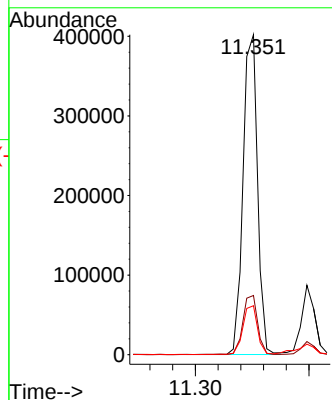


Tgt Ion:178 Resp: 354462
Ion Ratio Lower Upper
178 100
176 18.5 15.5 23.3
179 15.3 12.6 19.0

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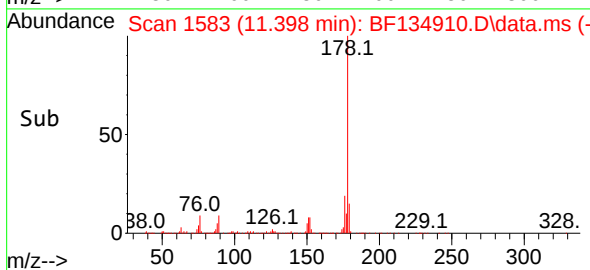
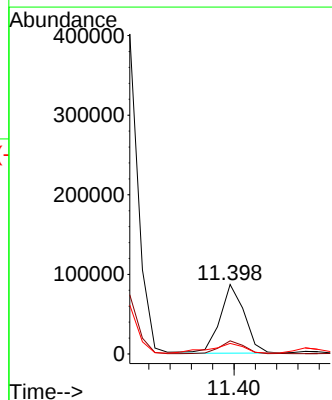
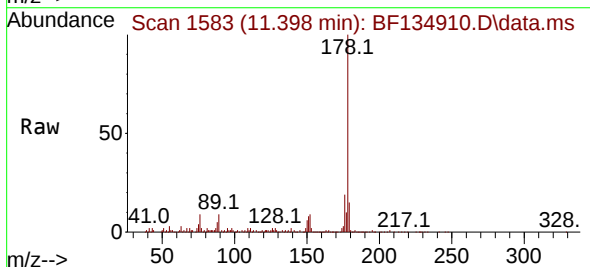
Reviewed By :Yogesh
Patel
08/24/2023

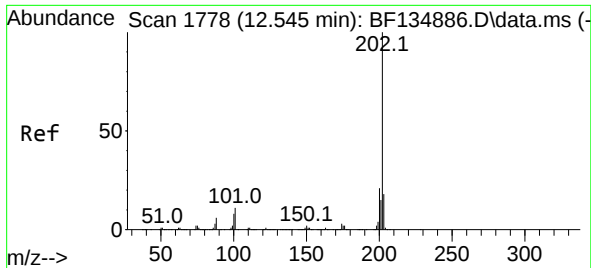
Supervised By :mohammad
ahmed
08/24/2023



#72
Anthracene
Concen: 3.113 ng
RT: 11.398 min Scan# 1583
Delta R.T. -0.006 min
Lab File: BF134910.D
Acq: 23 Aug 2023 18:13

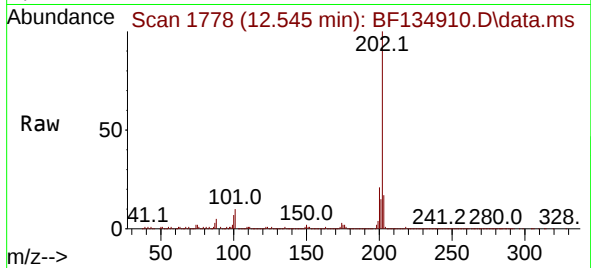
Tgt Ion:178 Resp: 68989
Ion Ratio Lower Upper
178 100
176 18.8 15.0 22.6
179 15.3 12.5 18.7





#75
Fluoranthene
Concen: 18.462 ng
RT: 12.545 min Scan# 1778
Delta R.T. 0.000 min
Lab File: BF134910.D
Acq: 23 Aug 2023 18:13

Instrument :
BNA_F
ClientSampleId :
72-11929

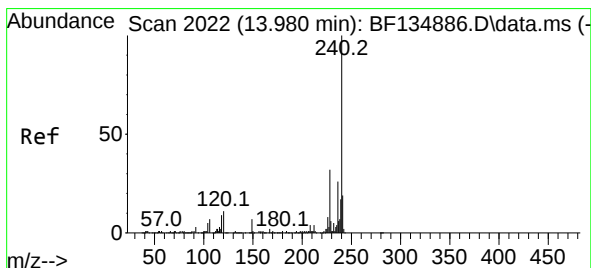
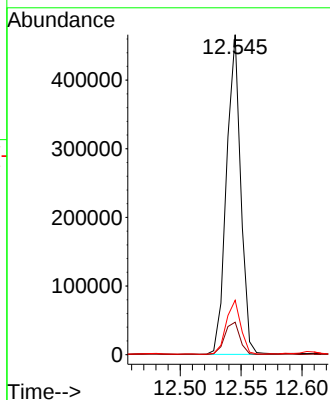
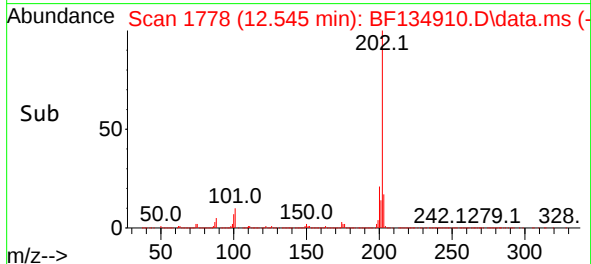


Tgt Ion:202 Resp: 378330
Ion Ratio Lower Upper
202 100
101 10.1 0.0 30.5
203 17.0 0.0 37.8

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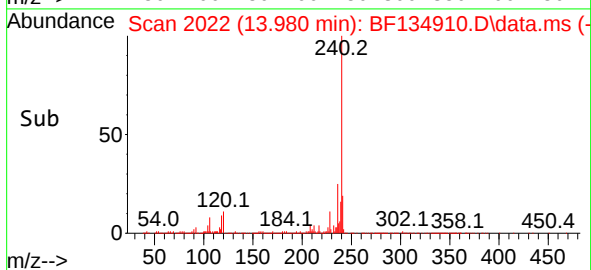
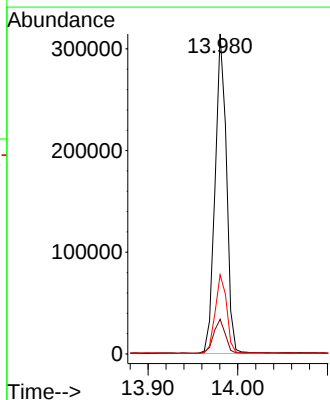
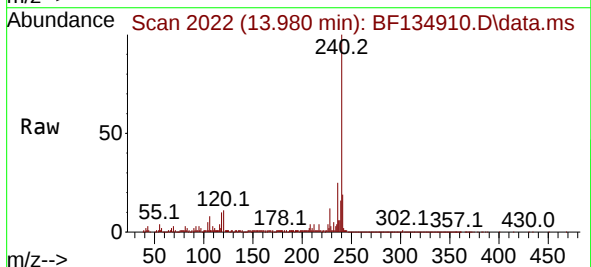
Reviewed By :Yogesh
Patel
08/24/2023

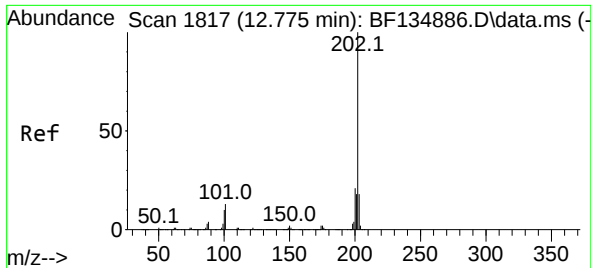
Supervised By :mohammad
ahmed
08/24/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.980 min Scan# 2022
Delta R.T. 0.000 min
Lab File: BF134910.D
Acq: 23 Aug 2023 18:13

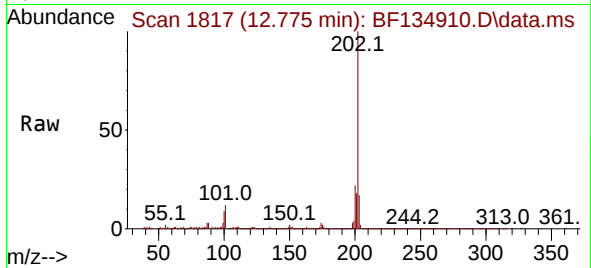
Tgt Ion:240 Resp: 277653
Ion Ratio Lower Upper
240 100
120 10.9 8.6 12.8
236 24.7 20.6 31.0





#78
Pyrene
Concen: 10.879 ng
RT: 12.775 min Scan# 1817
Delta R.T. 0.000 min
Lab File: BF134910.D
Acq: 23 Aug 2023 18:13

Instrument :
BNA_F
ClientSampleId :
72-11929

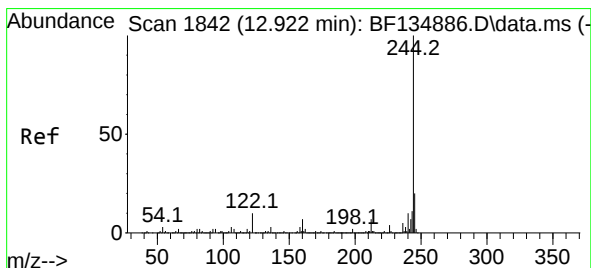
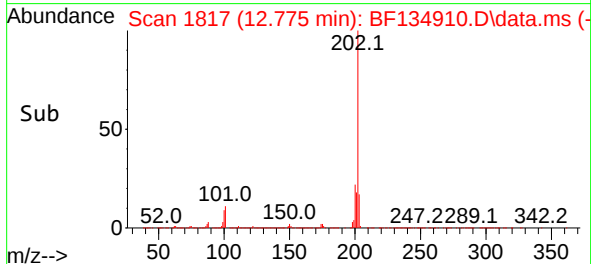
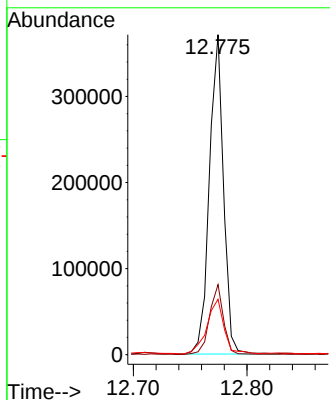


Tgt Ion:202 Resp: 320260
Ion Ratio Lower Upper
202 100
200 21.9 17.1 25.7
203 17.3 14.2 21.2

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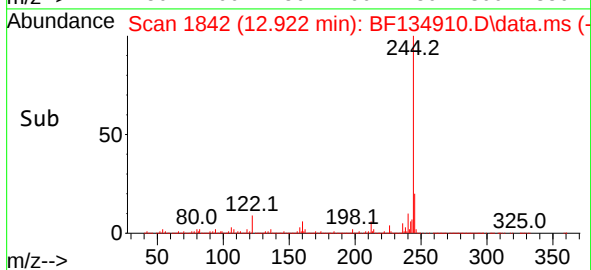
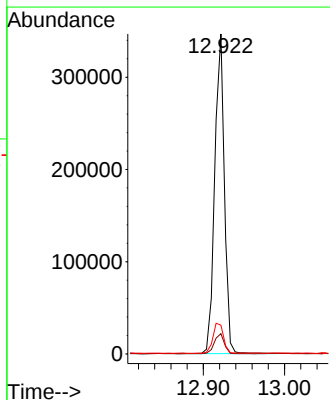
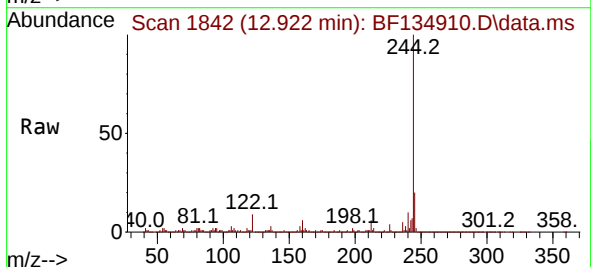
Reviewed By :Yogesh
Patel
08/24/2023

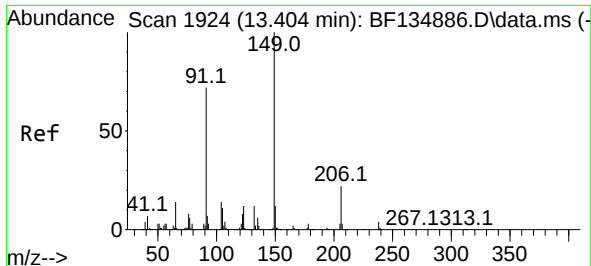
Supervised By :mohammad
ahmed
08/24/2023



#79
Terphenyl-d14
Concen: 14.118 ng
RT: 12.922 min Scan# 1842
Delta R.T. -0.000 min
Lab File: BF134910.D
Acq: 23 Aug 2023 18:13

Tgt Ion:244 Resp: 284997
Ion Ratio Lower Upper
244 100
212 6.3 5.4 8.0
122 9.0 8.2 12.4





#80
Butylbenzylphthalate
Concen: 2.429 ng
RT: 13.404 min Scan# 1924
Delta R.T. -0.000 min
Lab File: BF134910.D
Acq: 23 Aug 2023 18:13

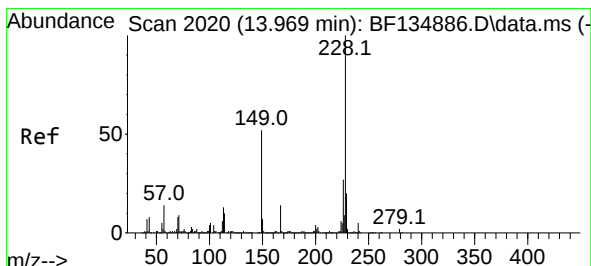
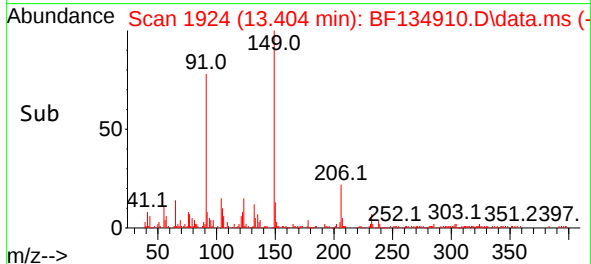
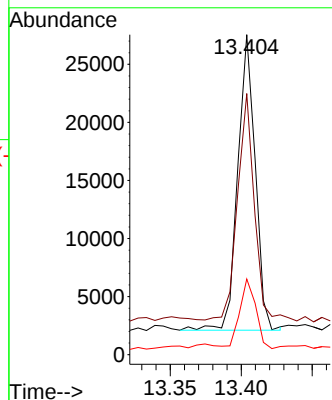
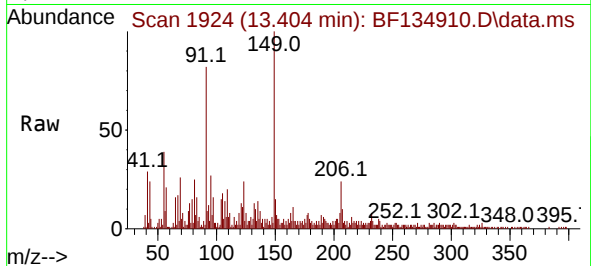
Instrument :
BNA_F
ClientSampleId :
72-11929

Tgt Ion:149 Resp: 21790
Ion Ratio Lower Upper
149 100
91 81.6 57.2 85.8
206 23.6 18.0 27.0

Manual Integrations
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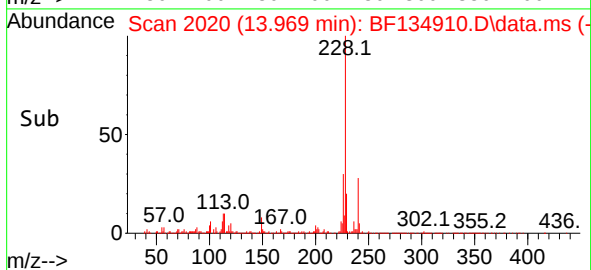
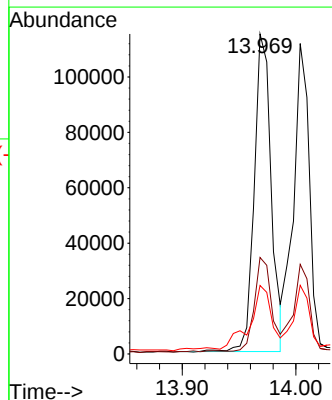
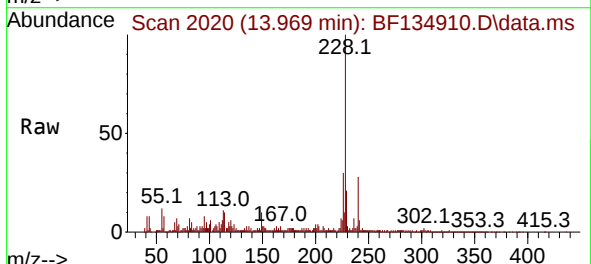
Reviewed By :Yogesh
Patel
08/24/2023

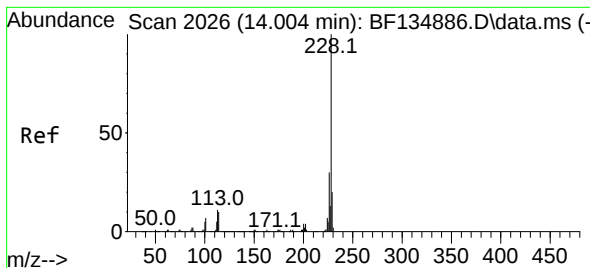
Supervised By :mohammad
ahmed
08/24/2023



#81
Benzo(a)anthracene
Concen: 6.292 ng
RT: 13.969 min Scan# 2020
Delta R.T. -0.000 min
Lab File: BF134910.D
Acq: 23 Aug 2023 18:13

Tgt Ion:228 Resp: 119193
Ion Ratio Lower Upper
228 100
226 30.1 21.8 32.6
229 21.4 15.6 23.4





#83

Chrysene

Concen: 5.809 ng

RT: 14.004 min Scan# 2026

Delta R.T. -0.000 min

Lab File: BF134910.D

Acq: 23 Aug 2023 18:13

Instrument :

BNA_F

ClientSampleId :

72-11929

Tgt Ion:	228	Resp:	108580
Ion Ratio	Lower	Upper	
228	100		
226	28.9	24.2	36.2
229	22.1	16.0	24.0

Manual Integrations

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Reviewed By :Yogesh

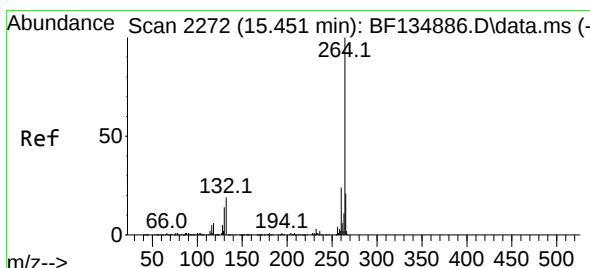
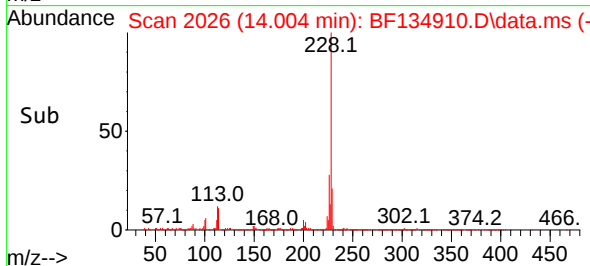
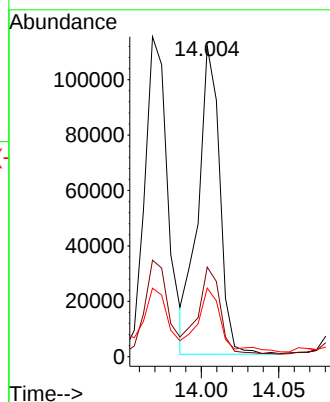
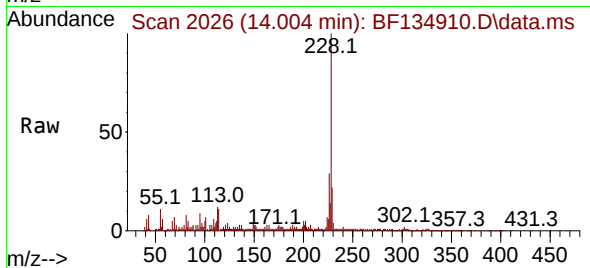
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#86

Perylene-d12

Concen: 20.000 ng

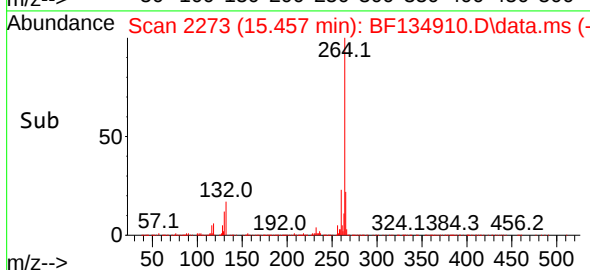
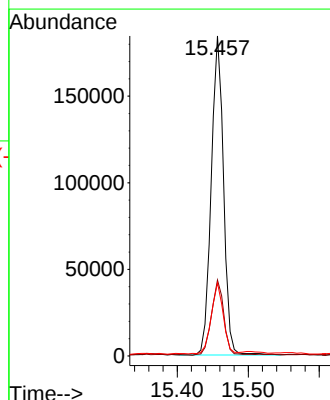
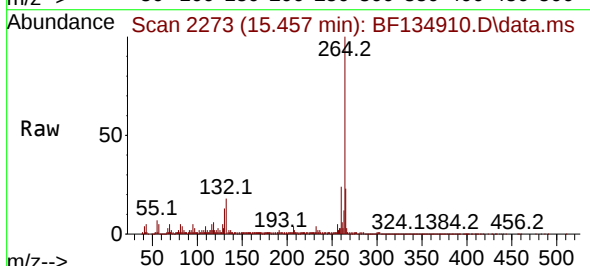
RT: 15.457 min Scan# 2273

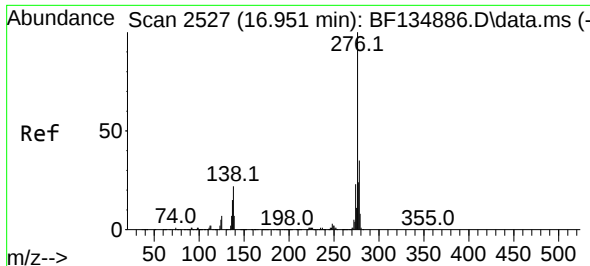
Delta R.T. 0.006 min

Lab File: BF134910.D

Acq: 23 Aug 2023 18:13

Tgt Ion:	264	Resp:	221722
Ion Ratio	Lower	Upper	
264	100		
260	23.7	19.0	28.6
265	22.9	17.1	25.7





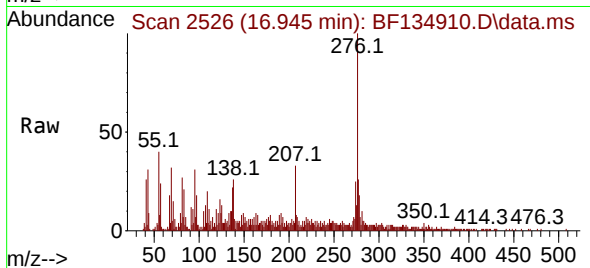
#87
Indeno(1,2,3-cd)pyrene
Concen: 2.751 ng
RT: 16.945 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF134910.D
Acq: 23 Aug 2023 18:13

Instrument :

BNA_F

ClientSampleId :

72-11929



Tgt Ion:276 Resp: 4359
Ion Ratio Lower Upper
276 100
138 23.1 19.7 29.5
277 26.9 20.1 30.1

Manual Integrations
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Reviewed By :Yogesh

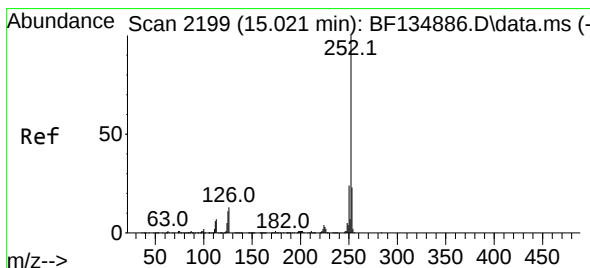
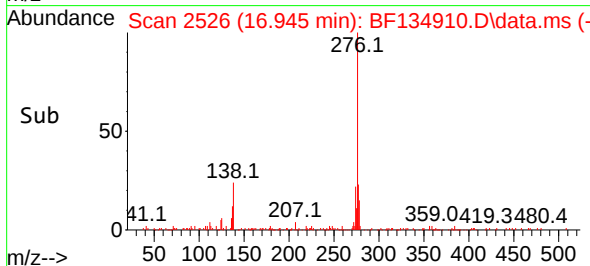
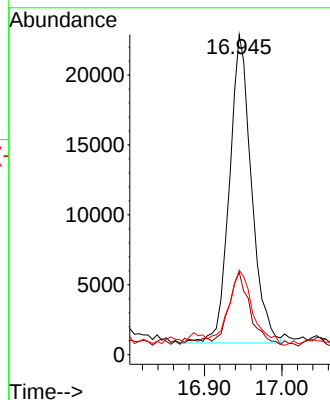
Patel

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Supervised By :mohammad

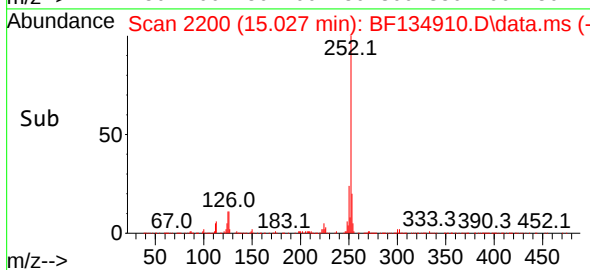
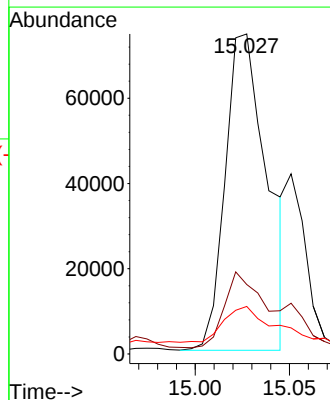
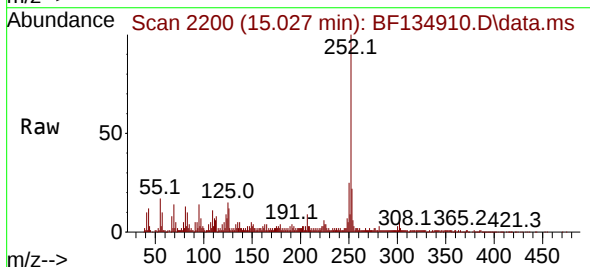
ahmed

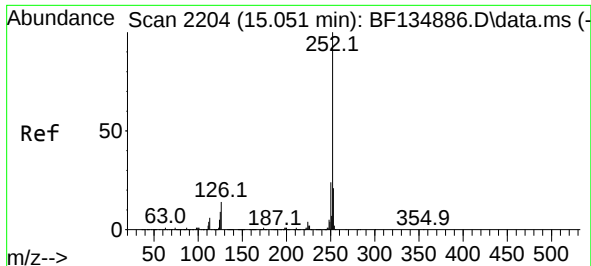
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#88
Benzo(b)fluoranthene
Concen: 9.173 ng m
RT: 15.027 min Scan# 2200
Delta R.T. 0.006 min
Lab File: BF134910.D
Acq: 23 Aug 2023 18:13

Tgt Ion:252 Resp: 114744
Ion Ratio Lower Upper
252 100
253 21.7 18.1 27.1
125 14.9 8.4 12.6#





#89

Benzo(k)fluoranthene

Concen: 2.502 ng m

RT: 15.051 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF134910.D

Acq: 23 Aug 2023 18:13

Instrument :

BNF

ClientSampleId :

72-11929

Tgt Ion:	252	Resp:	3073
Ion Ratio	Lower	Upper	
252	100		
253	28.2	17.1	25.7
125	14.5	8.0	12.0

Manual Integrations

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Reviewed By :Yogesh

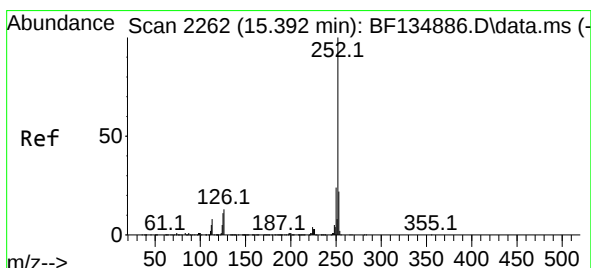
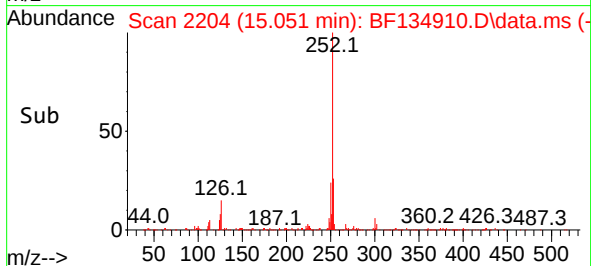
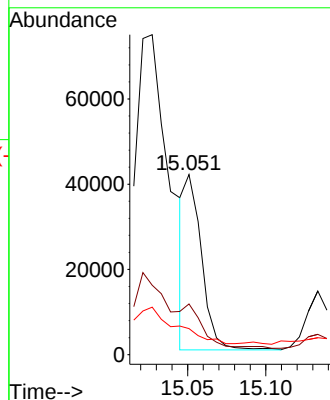
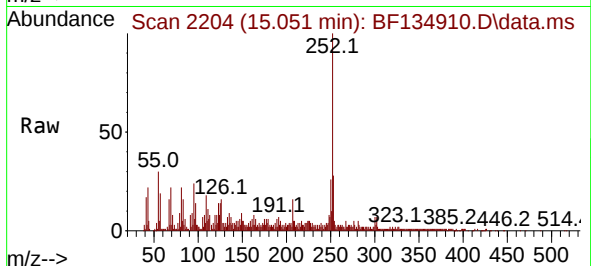
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Supervised By :mohammad

ahmed

08/24/2023



#90

Benzo(a)pyrene

Concen: 6.179 ng

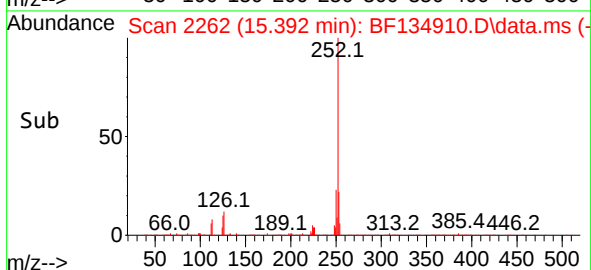
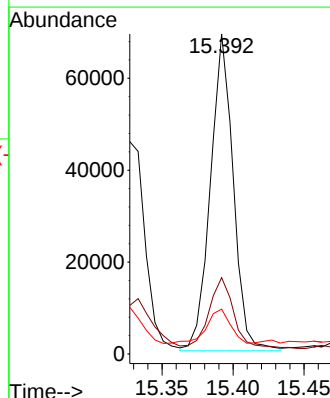
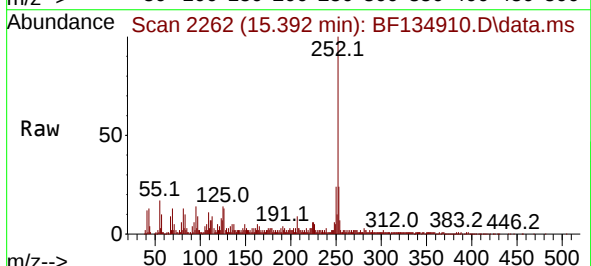
RT: 15.392 min Scan# 2262

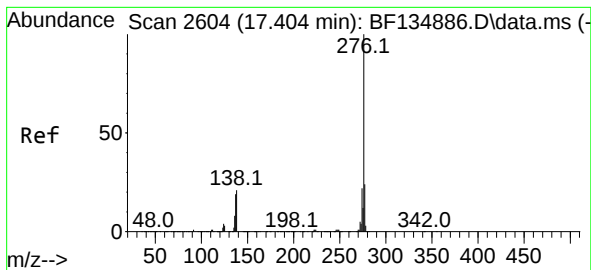
Delta R.T. -0.000 min

Lab File: BF134910.D

Acq: 23 Aug 2023 18:13

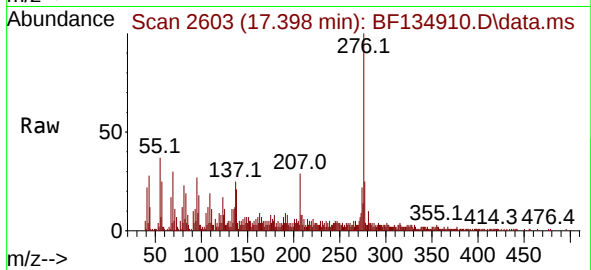
Tgt Ion:	252	Resp:	77167
Ion Ratio	Lower	Upper	
252	100		
253	23.9	17.6	26.4
125	14.0	8.4	12.6





#92
 Benzo(g,h,i)perylene
 Concen: 3.571 ng
 RT: 17.398 min Scan# 20
 Delta R.T. -0.006 min
 Lab File: BF134910.D
 Acq: 23 Aug 2023 18:13

Instrument :
 BNA_F
 ClientSampleId :
 72-11929



Tgt Ion: 276 Resp: 46874
 Ion Ratio Lower Upper
 276 100
 277 25.2 19.2 28.8
 138 21.3 17.0 25.6

Manual Integrations
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Reviewed By :Yogesh
 Patel
 08/24/2023

Supervised By :mohammad
 ahmed
 08/24/2023

