

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082523\
 Data File : BF134946.D
 Acq On : 25 Aug 2023 18:02
 Operator : CG\JU
 Sample : 04110-12
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-15(2-3)

Manual Integrations
 APPROVED

Reviewed By :Yogesh
 Patel

Quant Time: Aug 26 02:50:00 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							08/28/2023
1) 1,4-Dichlorobenzene-d4	6.787	152	95086	20.000	ng	0.00	Supervised By :mohammad Summed
21) Naphthalene-d8	8.069	136	356217	20.000	ng	0.00	
39) Acenaphthene-d10	9.822	164	164625	20.000	ng	-0.01	
64) Phenanthrene-d10	11.316	188	287389	20.000	ng	-0.01	
76) Chrysene-d12	13.974	240	190023	20.000	ng	0.00	
86) Perylene-d12	15.445	264	163311	20.000	ng	0.00	08/28/2023
System Monitoring Compounds							
5) 2-Fluorophenol	5.410	112	339990	57.018	ng	-0.01	
7) Phenol-d6	6.422	99	453665	59.541	ng	-0.02	
23) Nitrobenzene-d5	7.345	82	300060	46.417	ng	-0.02	
42) 2,4,6-Tribromophenol	10.616	330	91502	47.193	ng	-0.01	
45) 2-Fluorobiphenyl	9.145	172	583423	54.786	ng	-0.01	
79) Terphenyl-d14	12.916	244	608723	44.060	ng	0.00	
Target Compounds							Qvalue
31) Naphthalene	8.087	128	63538	3.572	ng		99
37) 2-Methylnaphthalene	8.781	142	36440	3.072	ng		100
38) 1-Methylnaphthalene	8.881	142	30963	2.792	ng		97
49) Acenaphthylene	9.686	152	59922	4.009	ng		99
71) Phenanthrene	11.339	178	179442	11.915	ng		98
72) Anthracene	11.392	178	37374	2.422	ng		99
73) Carbazole	11.551	167	32291	2.540	ng		95
75) Fluoranthene	12.539	202	533960	37.420	ng		99
78) Pyrene	12.769	202	539890	26.797	ng		99
81) Benzo(a)anthracene	13.963	228	232859m	17.961	ng		
83) Chrysene	13.998	228	291330	22.775	ng		98
87) Indeno(1,2,3-cd)pyrene	16.933	276	175745	15.055	ng		94
88) Benzo(b)fluoranthene	15.021	252	412779m	44.800	ng		
89) Benzo(k)fluoranthene	15.045	252	144868m	16.011	ng		
90) Benzo(a)pyrene	15.386	252	259376	28.199	ng		99
91) Dibenzo(a,h)anthracene	16.945	278	43959	4.654	ng	#	92
92) Benzo(g,h,i)perylene	17.380	276	151999	15.721	ng		98

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

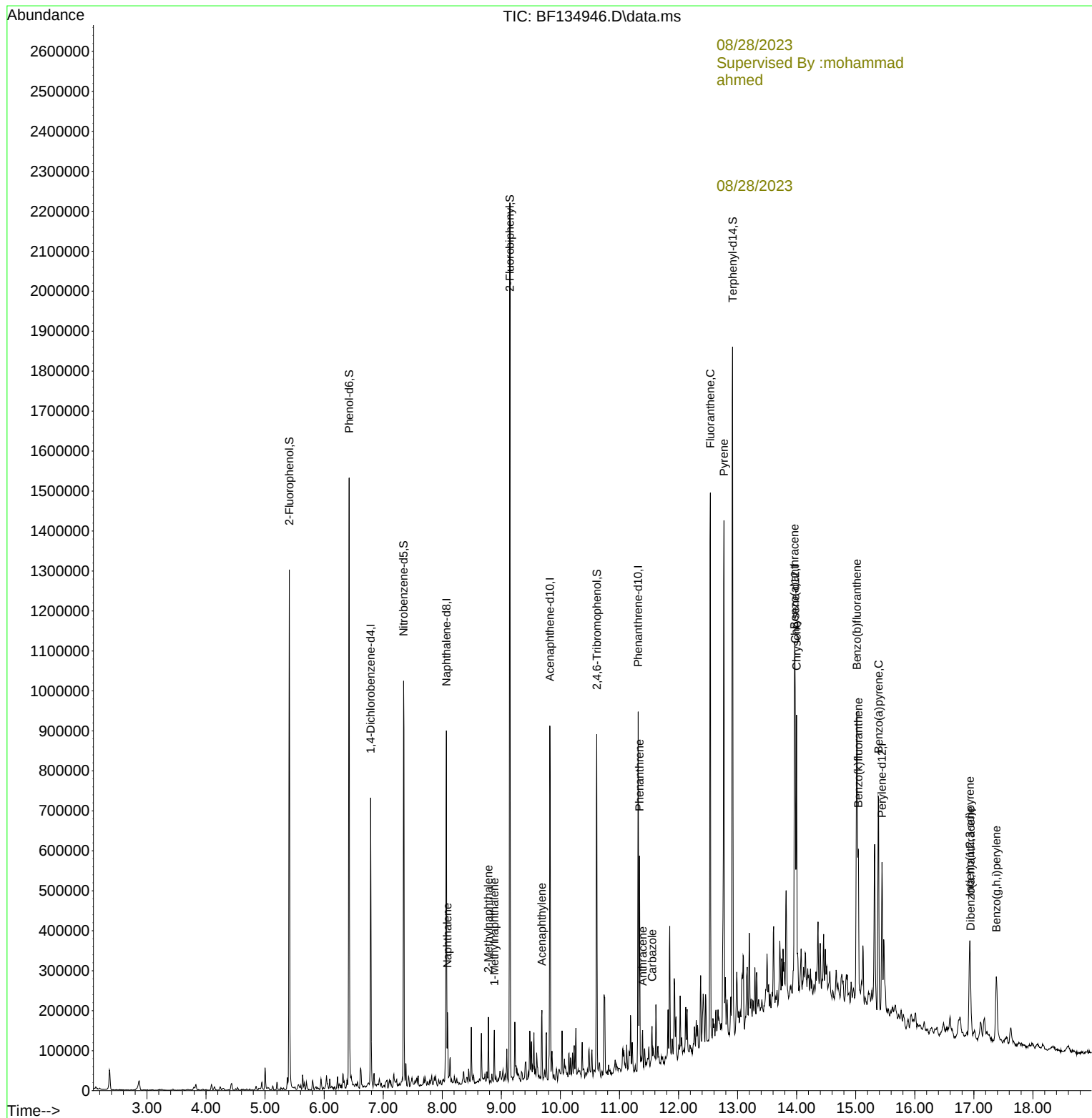
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082523\
Data File : BF134946.D
Acq On : 25 Aug 2023 18:02
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Sample : 04110-12
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ALS Vial : 11 Sample Multiplier: 1

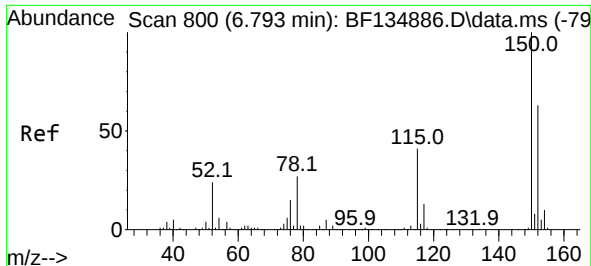
Instrument :
BNA_F
ClientSampleId :
TP-15(2-3)

Quant Time: Aug 26 02:50:00 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082223.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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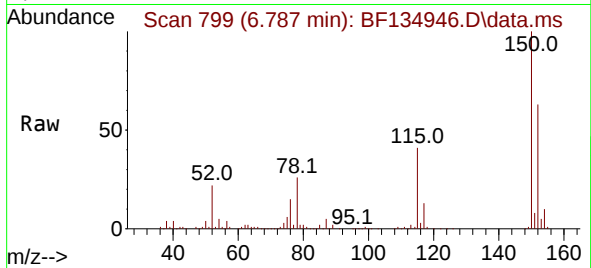
Reviewed By :Yogesh
Patel





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.787 min Scan# 79
Delta R.T. -0.006 min
Lab File: BF134946.D
Acq: 25 Aug 2023 18:02

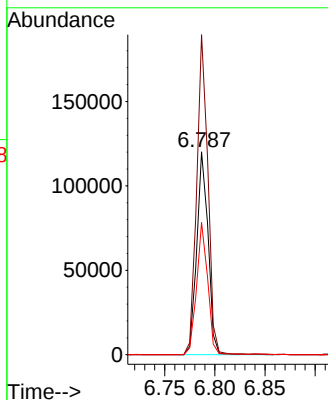
Instrument :
BNA_F
ClientSampleId :
TP-15(2-3)



Tgt Ion:152 Resp: 95080
Ion Ratio Lower Upper
152 100
150 157.8 126.1 189.1
115 65.2 51.1 76.7

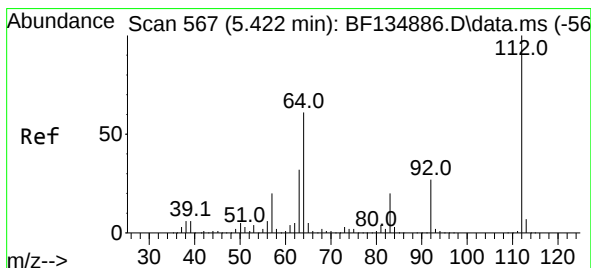
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Patel



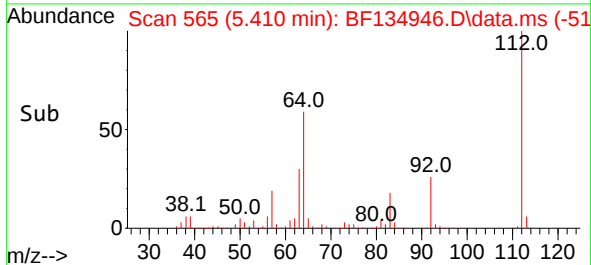
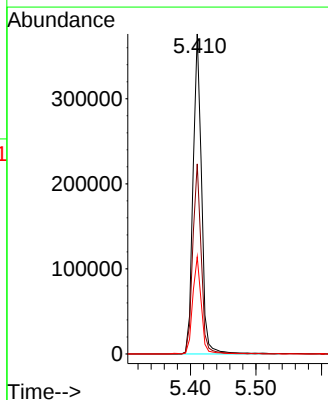
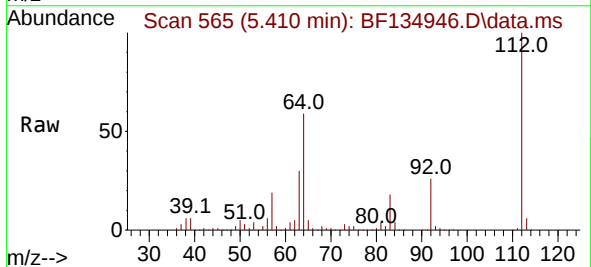
08/28/2023
Supervised By :mohammad
ahmed

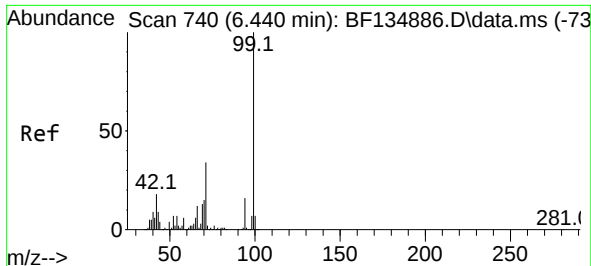
08/28/2023



#5
2-Fluorophenol
Concen: 57.018 ng
RT: 5.410 min Scan# 565
Delta R.T. -0.012 min
Lab File: BF134946.D
Acq: 25 Aug 2023 18:02

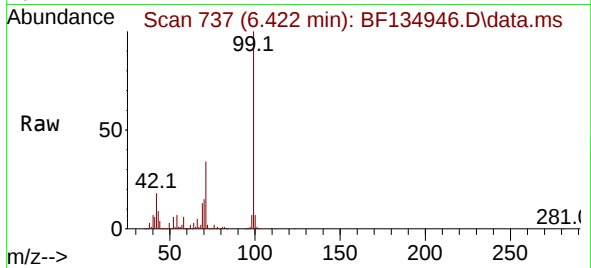
Tgt Ion:112 Resp: 339990
Ion Ratio Lower Upper
112 100
64 59.4 48.6 73.0
63 30.4 25.7 38.5





#7
Phenol-d6
Concen: 59.541 ng
RT: 6.422 min Scan# 71
Delta R.T. -0.018 min
Lab File: BF134946.D
Acq: 25 Aug 2023 18:02

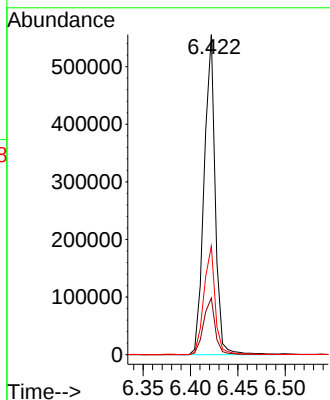
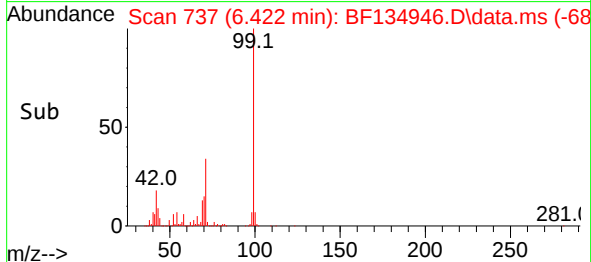
Instrument :
BNA_F
ClientSampleId :
TP-15(2-3)



Tgt Ion: 99 Resp: 45366
Ion Ratio Lower Upper
99 100
42 17.7 14.6 22.0
71 34.0 27.6 41.4

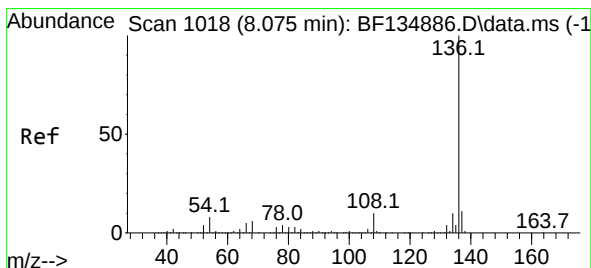
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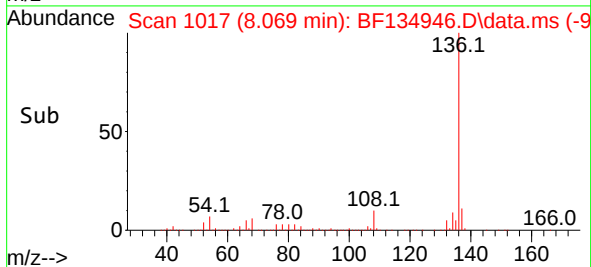
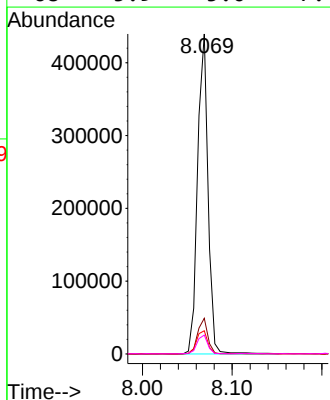
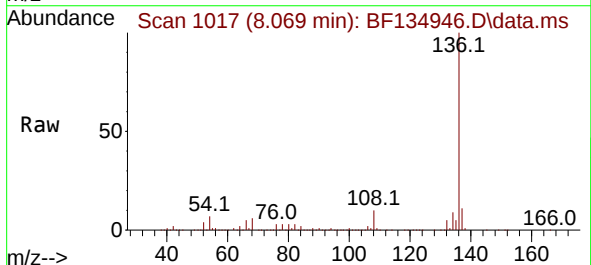
08/28/2023
Supervised By :mohammad
ahmed

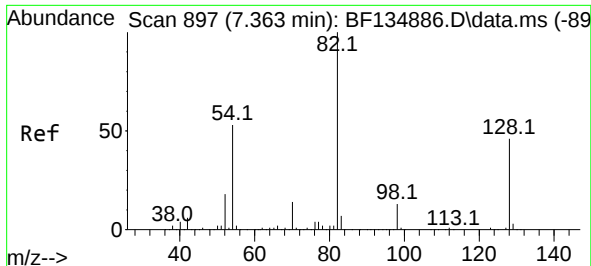
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#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.069 min Scan# 1017
Delta R.T. -0.006 min
Lab File: BF134946.D
Acq: 25 Aug 2023 18:02

Tgt Ion:136 Resp: 356217
Ion Ratio Lower Upper
136 100
137 11.1 8.9 13.3
54 7.2 6.6 9.8
68 5.9 5.0 7.4





#23

Nitrobenzene-d5

Concen: 46.417 ng

RT: 7.345 min Scan# 89

Delta R.T. -0.018 min

Lab File: BF134946.D

Acq: 25 Aug 2023 18:02

Instrument :

BNA_F

ClientSampleId :

TP-15(2-3)

Tgt Ion: 82 Resp: 300060

Ion Ratio Lower Upper

82 100

128 43.4 36.6 54.8

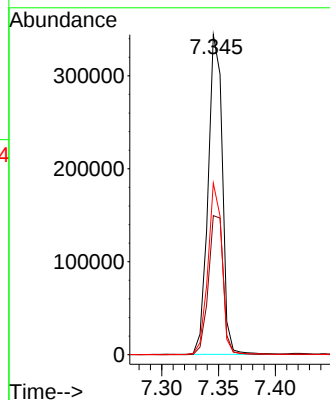
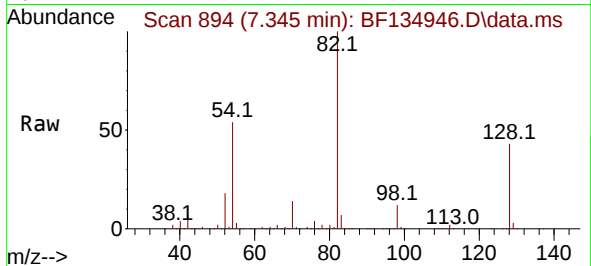
54 53.6 42.6 63.8

Manual Integrations

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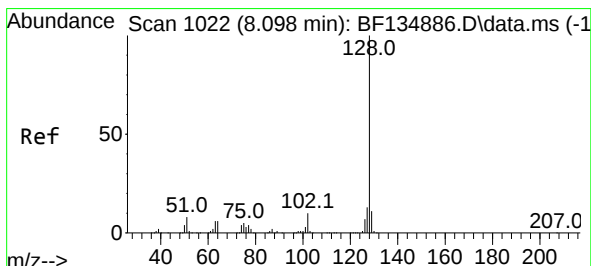
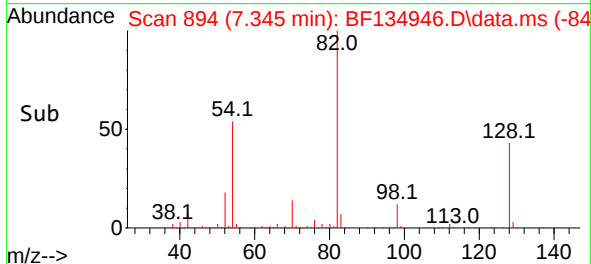
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#31

Naphthalene

Concen: 3.572 ng

RT: 8.087 min Scan# 1020

Delta R.T. -0.012 min

Lab File: BF134946.D

Acq: 25 Aug 2023 18:02

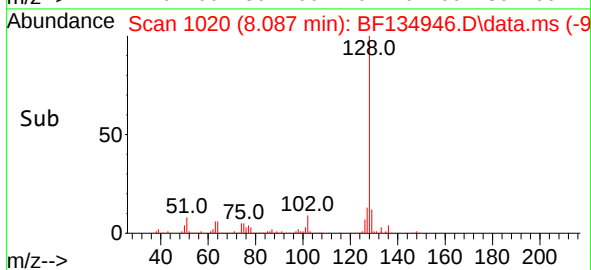
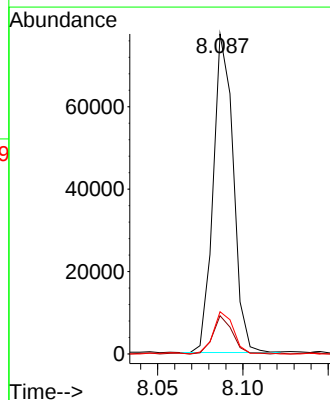
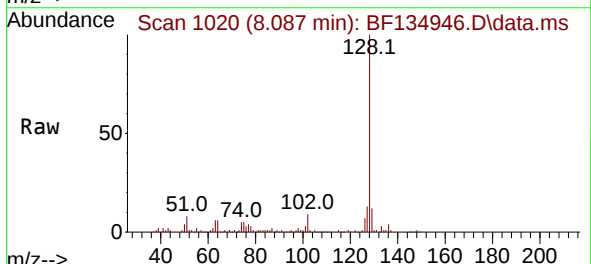
Tgt Ion:128 Resp: 63538

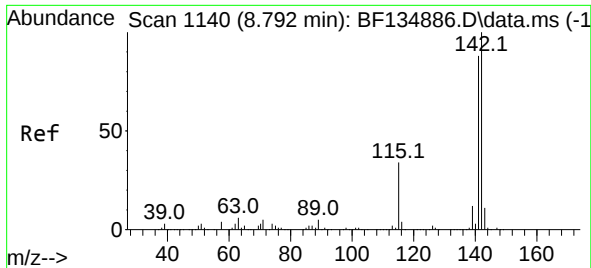
Ion Ratio Lower Upper

128 100

129 12.0 9.0 13.4

127 13.2 10.6 16.0





#37

2-Methylnaphthalene

Concen: 3.072 ng

RT: 8.781 min Scan# 1138

Delta R.T. -0.012 min

Lab File: BF134946.D

Acq: 25 Aug 2023 18:02

Instrument :

BNA_F

ClientSampleId :

TP-15(2-3)

Tgt Ion:142 Resp: 36440

Ion Ratio Lower Upper

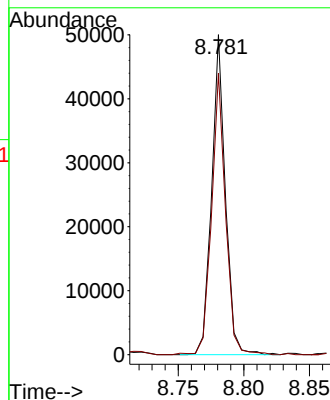
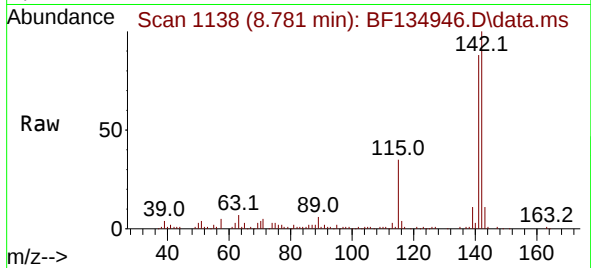
142 100

141 88.0 70.2 105.2

Manual Integrations

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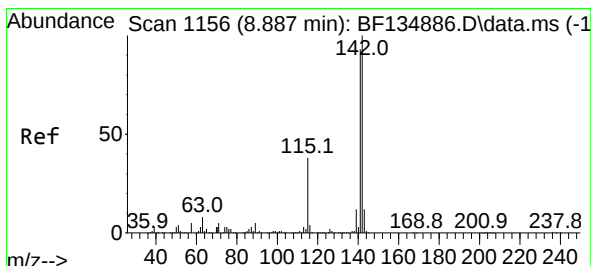
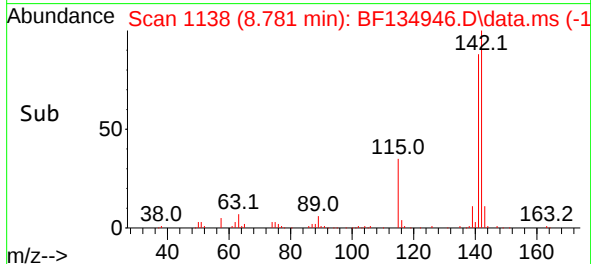
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#38

1-Methylnaphthalene

Concen: 2.792 ng

RT: 8.881 min Scan# 1155

Delta R.T. -0.006 min

Lab File: BF134946.D

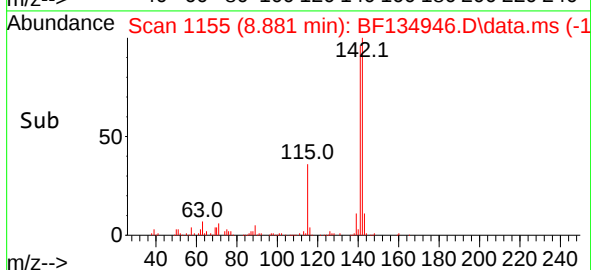
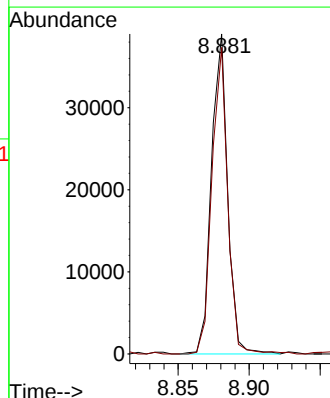
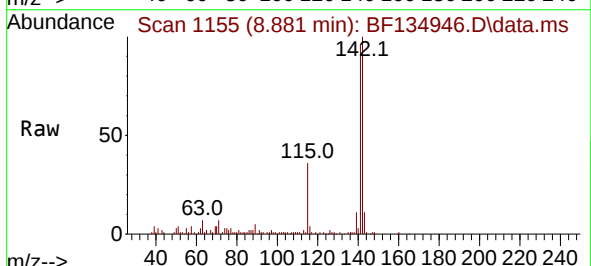
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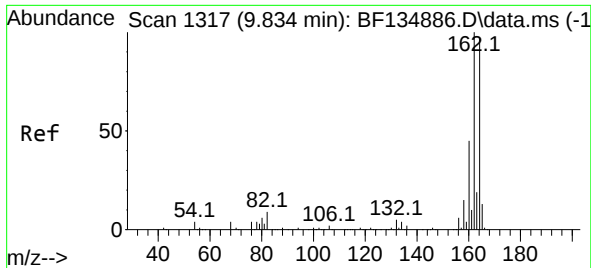
Tgt Ion:142 Resp: 30963

Ion Ratio Lower Upper

142 100

141 95.8 74.1 111.1





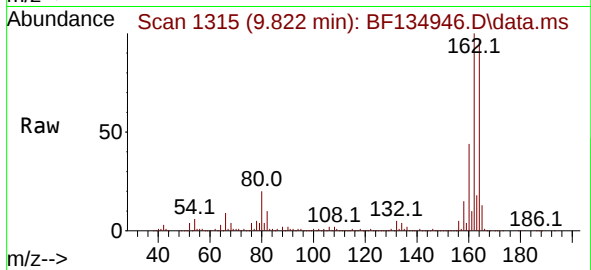
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.822 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF134946.D
Acq: 25 Aug 2023 18:02

Instrument :

BNA_F

ClientSampleId :

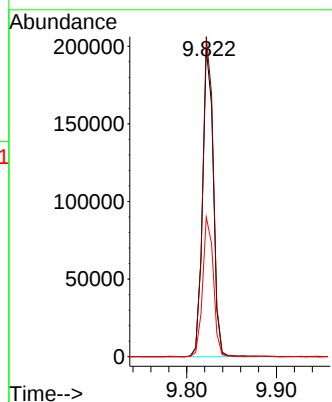
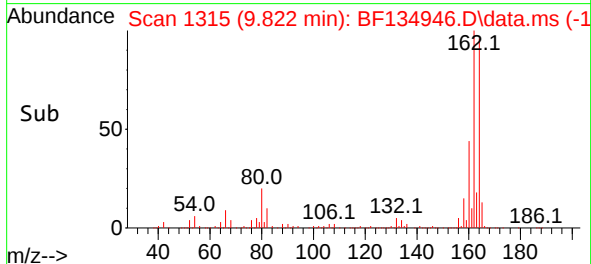
TP-15(2-3)



Tgt Ion:164 Resp: 16462
Ion Ratio Lower Upper
164 100
162 103.8 82.6 123.8
160 45.2 37.0 55.4

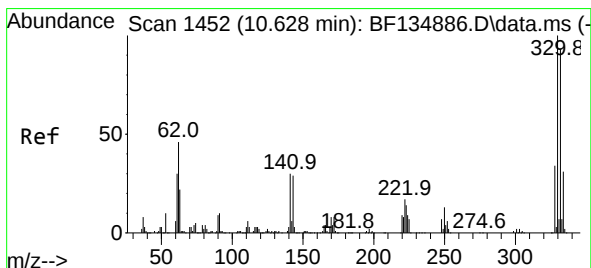
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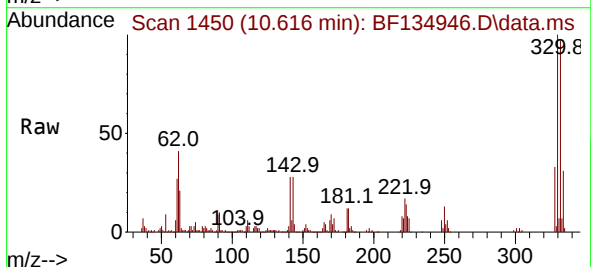


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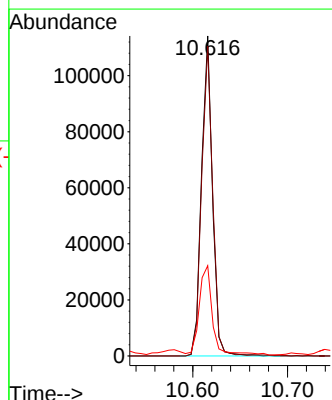
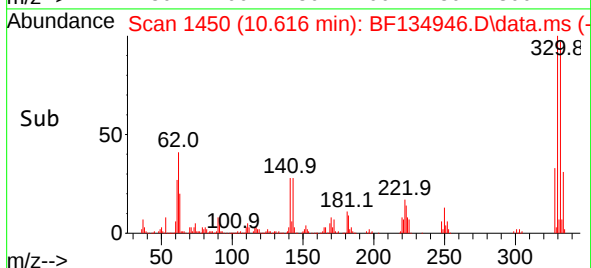
08/28/2023

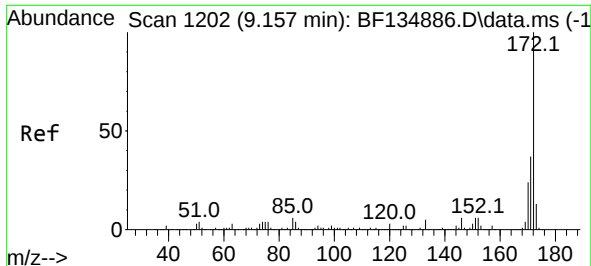


#42
2,4,6-Tribromophenol
Concen: 47.193 ng
RT: 10.616 min Scan# 1450
Delta R.T. -0.012 min
Lab File: BF134946.D
Acq: 25 Aug 2023 18:02



Tgt Ion:330 Resp: 91502
Ion Ratio Lower Upper
330 100
332 97.9 76.3 114.5
141 33.5 23.4 35.2





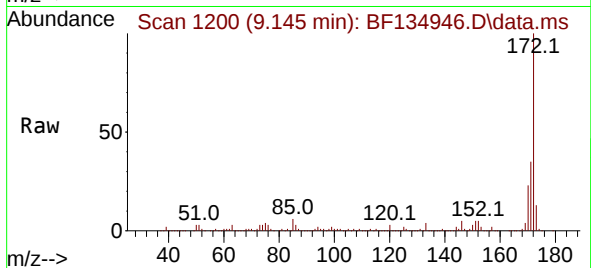
#45
2-Fluorobiphenyl
Concen: 54.786 ng
RT: 9.145 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF134946.D
Acq: 25 Aug 2023 18:02

Instrument :

BNA_F

ClientSampleId :

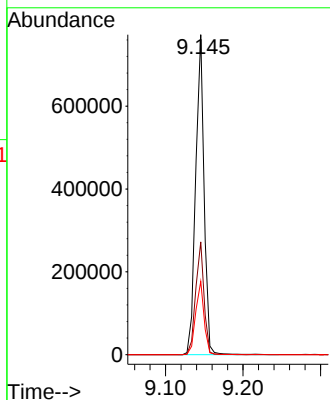
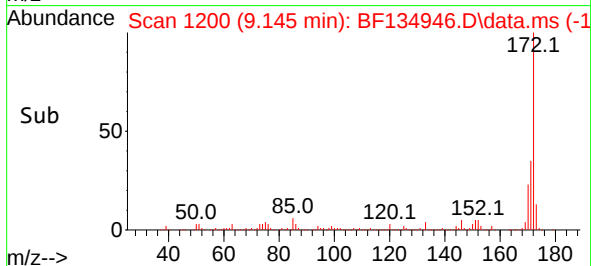
TP-15(2-3)



Tgt Ion:172 Resp: 58342
Ion Ratio Lower Upper
172 100
171 35.3 29.4 44.0
170 22.9 19.6 29.4

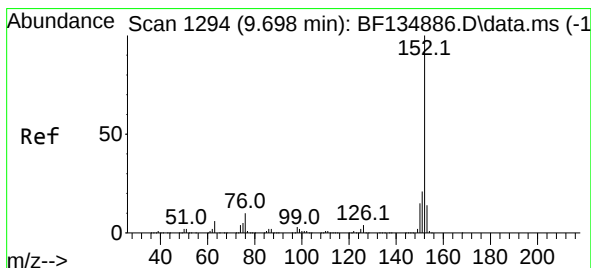
Manual Integrations
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Patel

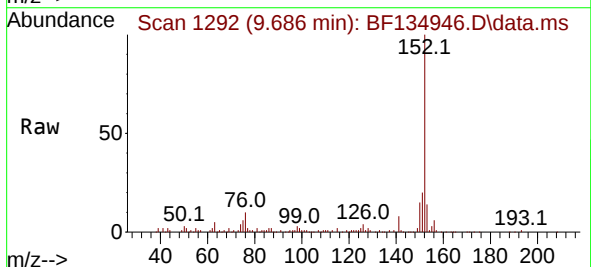


08/28/2023
Supervised By :mohammad
ahmed

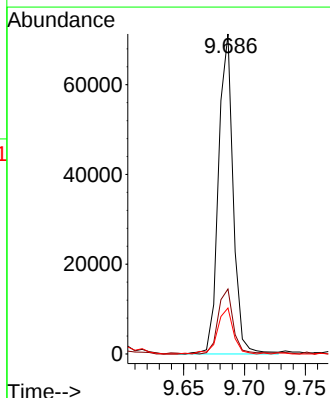
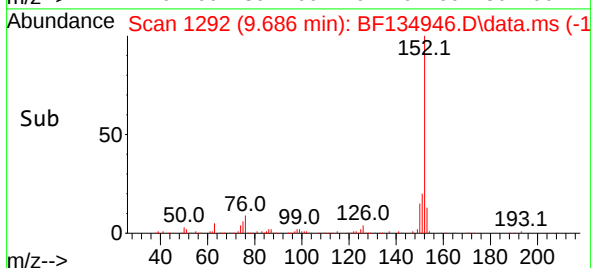
08/28/2023

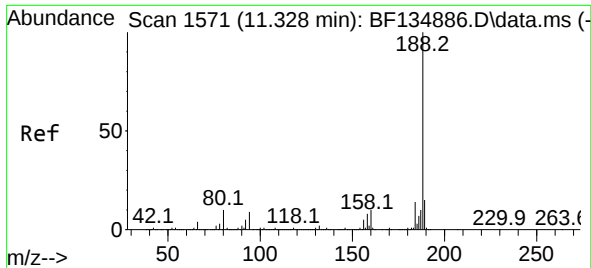


#49
Acenaphthylene
Concen: 4.009 ng
RT: 9.686 min Scan# 1292
Delta R.T. -0.012 min
Lab File: BF134946.D
Acq: 25 Aug 2023 18:02



Tgt Ion:152 Resp: 59922
Ion Ratio Lower Upper
152 100
151 20.3 16.5 24.7
153 14.3 11.3 16.9





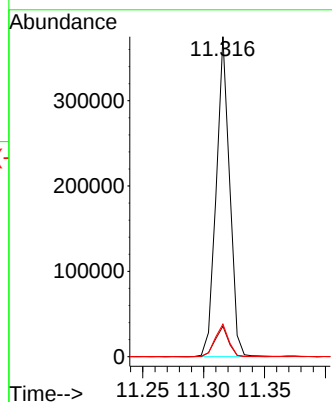
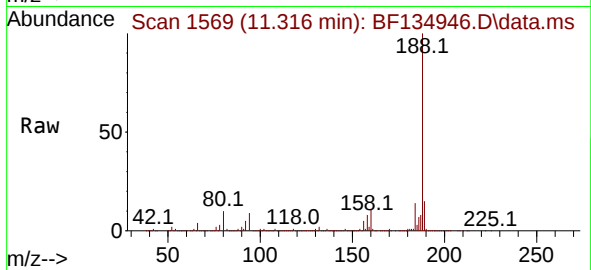
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.316 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF134946.D
Acq: 25 Aug 2023 18:02

Instrument :
BNA_F
ClientSampleId :
TP-15(2-3)

Tgt Ion:188 Resp: 287389
Ion Ratio Lower Upper
188 100
94 9.5 7.5 11.3
80 10.2 7.8 11.6

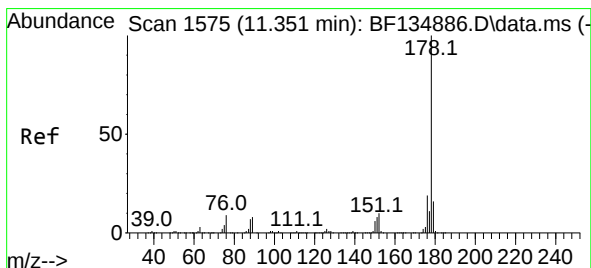
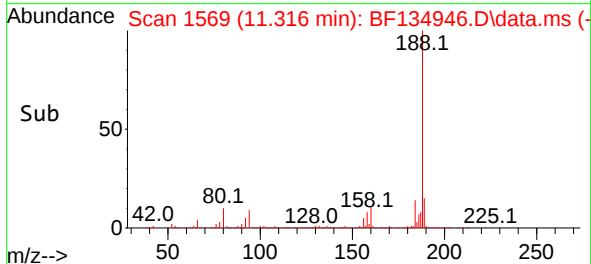
Manual Integrations
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Patel



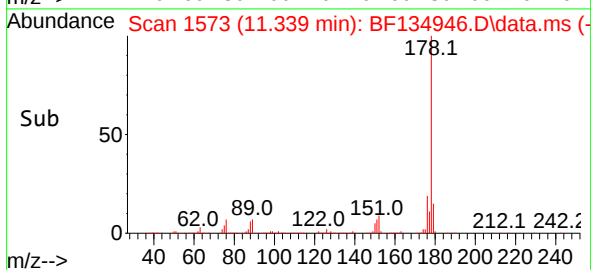
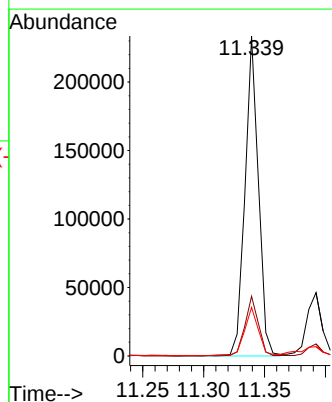
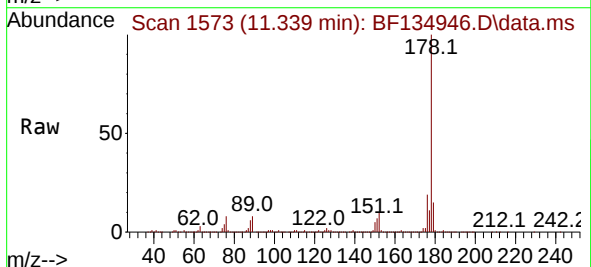
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Supervised By :mohammad
ahmed

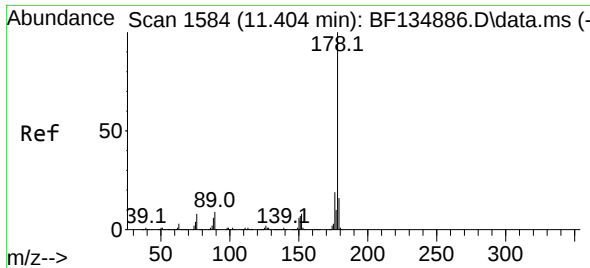
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#71
Phenanthrene
Concen: 11.915 ng
RT: 11.339 min Scan# 1573
Delta R.T. -0.012 min
Lab File: BF134946.D
Acq: 25 Aug 2023 18:02

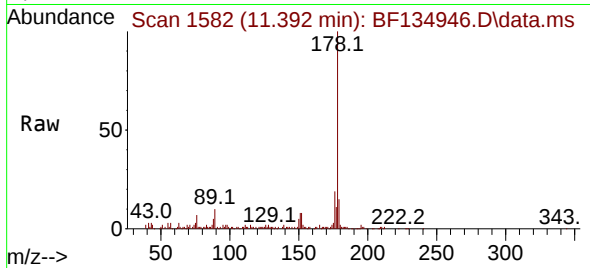
Tgt Ion:178 Resp: 179442
Ion Ratio Lower Upper
178 100
176 18.7 15.5 23.3
179 15.1 12.6 19.0





#72
 Anthracene
 Concen: 2.422 ng
 RT: 11.392 min Scan# 11
 Delta R.T. -0.012 min
 Lab File: BF134946.D
 Acq: 25 Aug 2023 18:02

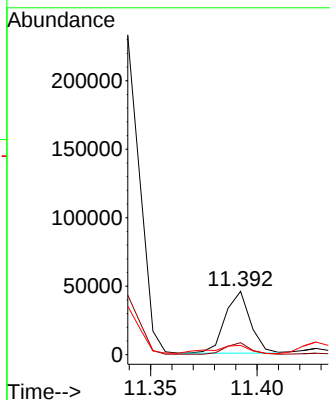
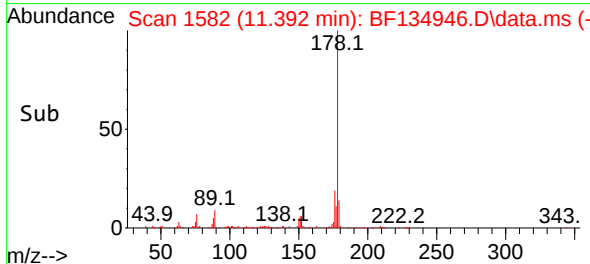
Instrument :
 BNA_F
 ClientSampleId :
 TP-15(2-3)



Tgt Ion:178 Resp: 37374
 Ion Ratio Lower Upper
 178 100
 176 18.9 15.0 22.6
 179 14.6 12.5 18.7

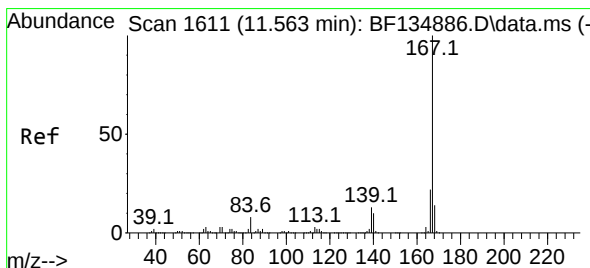
Manual Integrations
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Reviewed By :Yogesh
 Patel

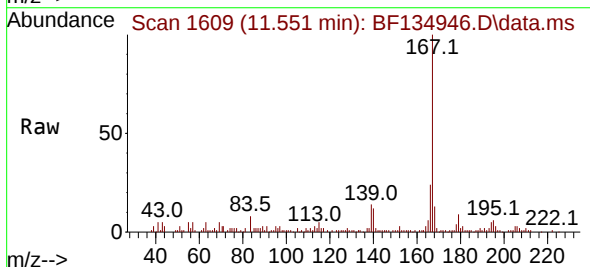


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 ahmed

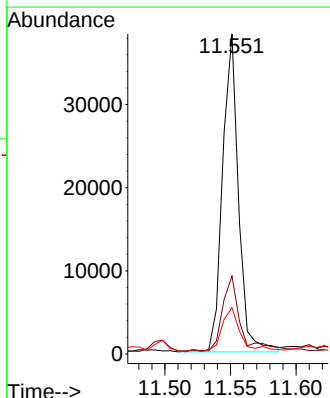
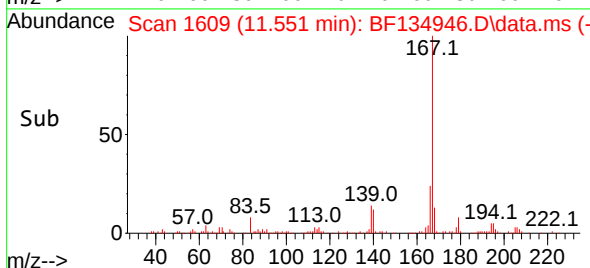
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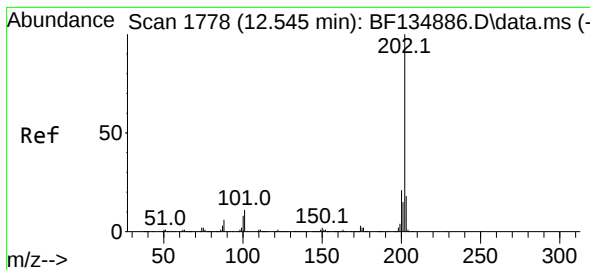


#73
 Carbazole
 Concen: 2.540 ng
 RT: 11.551 min Scan# 1609
 Delta R.T. -0.012 min
 Lab File: BF134946.D
 Acq: 25 Aug 2023 18:02



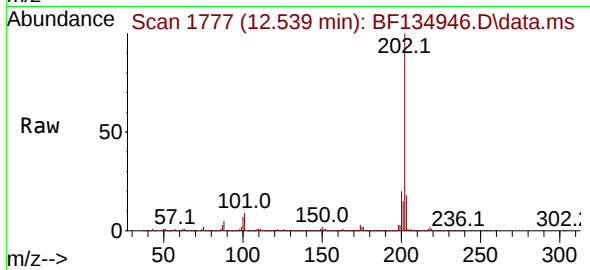
Tgt Ion:167 Resp: 32291
 Ion Ratio Lower Upper
 167 100
 166 24.4 17.4 26.2
 139 14.4 10.4 15.6





#75
Fluoranthene
Concen: 37.420 ng
RT: 12.539 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF134946.D
Acq: 25 Aug 2023 18:02

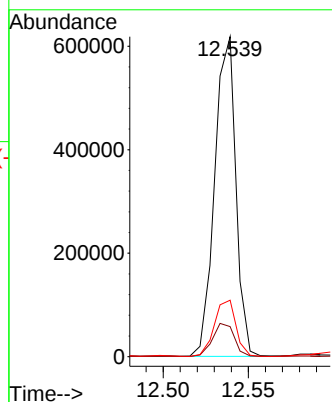
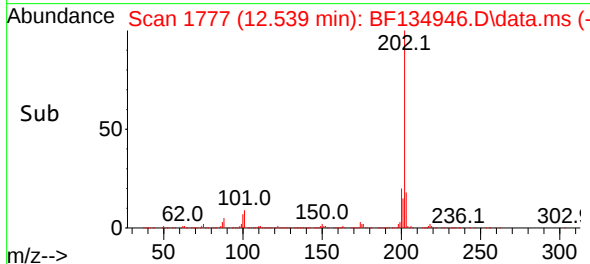
Instrument :
BNA_F
ClientSampleId :
TP-15(2-3)



Tgt Ion:202 Resp: 533960
Ion Ratio Lower Upper
202 100
101 9.4 0.0 30.5
203 17.6 0.0 37.8

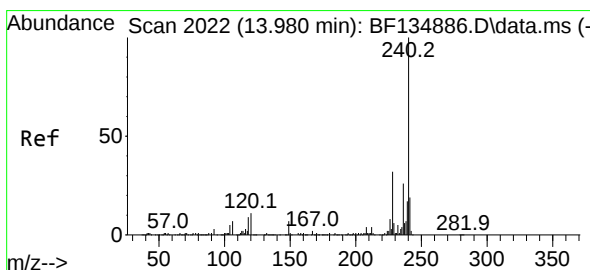
Manual Integrations
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Reviewed By :Yogesh
Patel

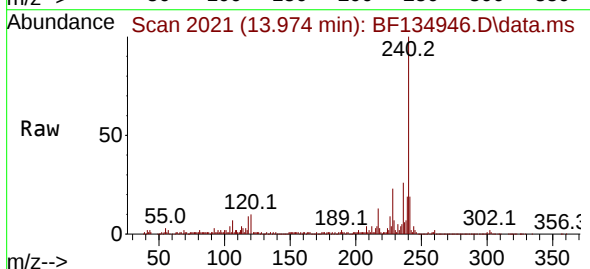


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Supervised By :mohammad
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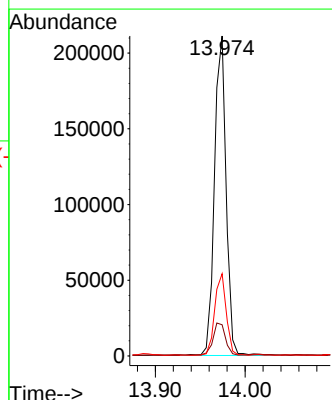
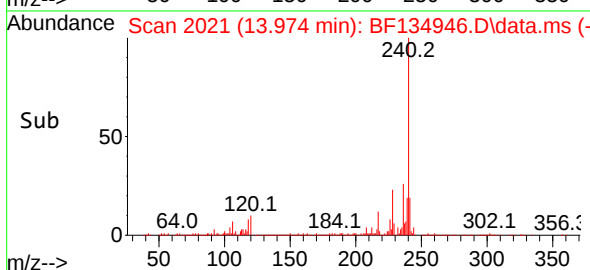
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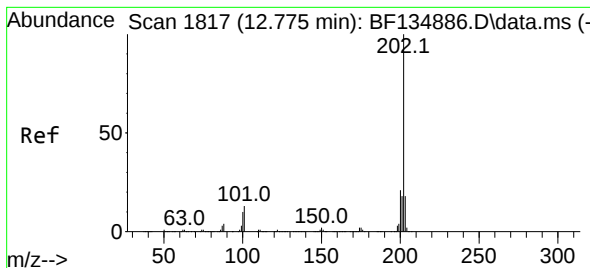


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.974 min Scan# 2021
Delta R.T. -0.006 min
Lab File: BF134946.D
Acq: 25 Aug 2023 18:02



Tgt Ion:240 Resp: 190023
Ion Ratio Lower Upper
240 100
120 9.7 8.6 12.8
236 25.7 20.6 31.0





#78

Pyrene

Concen: 26.797 ng

RT: 12.769 min Scan# 1816

Delta R.T. -0.006 min

Lab File: BF134946.D

Acq: 25 Aug 2023 18:02

Instrument :

BNA_F

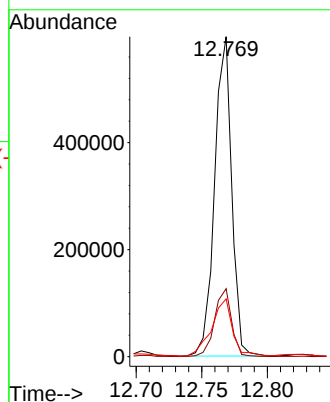
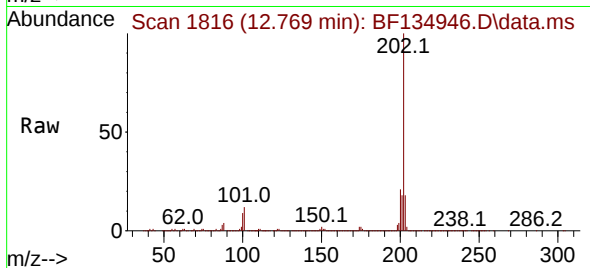
ClientSampleId :

TP-15(2-3)

Tgt Ion:202	Resp: 539890
Ion Ratio	Lower Upper
202 100	
200 21.3	17.1 25.7
203 18.1	14.2 21.2

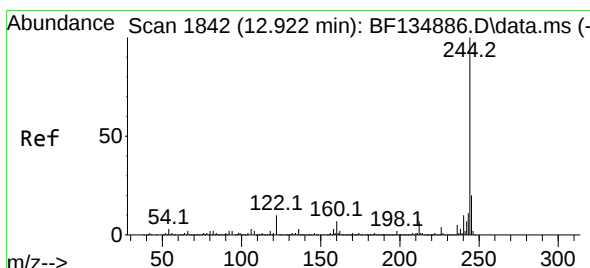
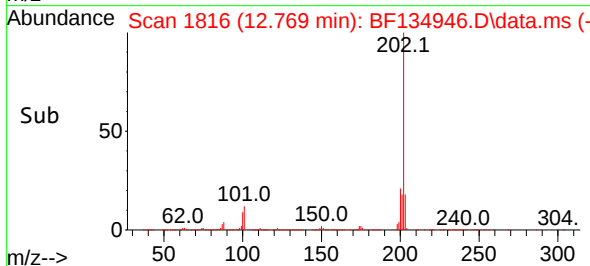
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Reviewed By :Yogesh
Patel



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Supervised By :mohammad
ahmed

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#79

Terphenyl-d14

Concen: 44.060 ng

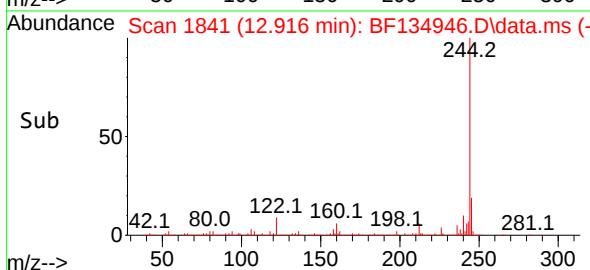
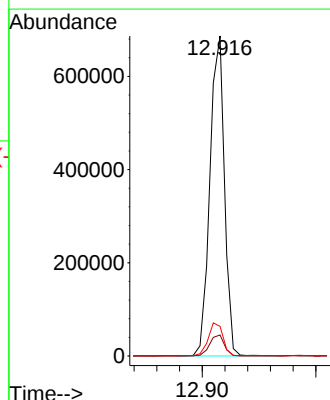
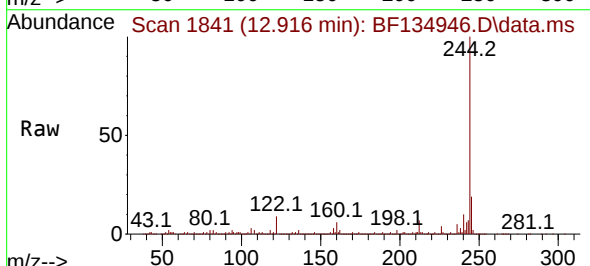
RT: 12.916 min Scan# 1841

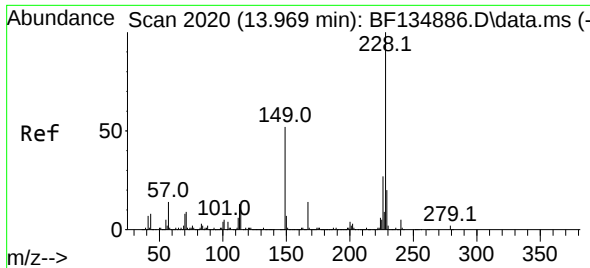
Delta R.T. -0.006 min

Lab File: BF134946.D

Acq: 25 Aug 2023 18:02

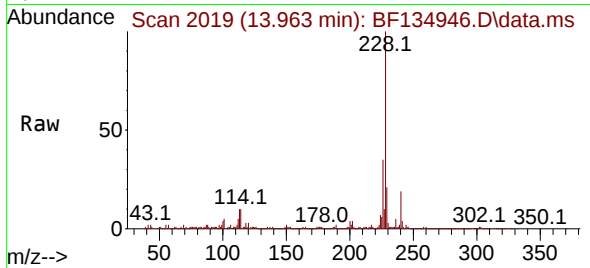
Tgt Ion:244	Resp: 608723
Ion Ratio	Lower Upper
244 100	
212 6.5	5.4 8.0
122 9.3	8.2 12.4





#81
Benzo(a)anthracene
Concen: 17.961 ng m
RT: 13.963 min Scan# 2020
Delta R.T. -0.006 min
Lab File: BF134946.D
Acq: 25 Aug 2023 18:02

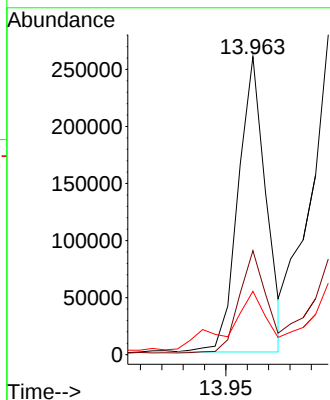
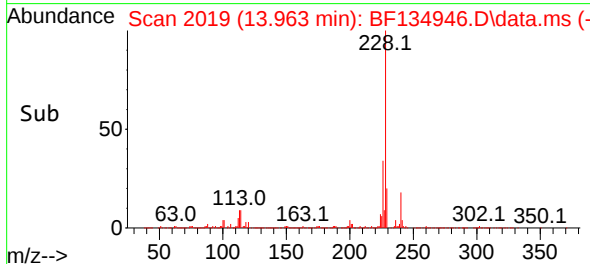
Instrument :
BNA_F
ClientSampleId :
TP-15(2-3)



Tgt Ion:228 Resp: 232859
Ion Ratio Lower Upper
228 100
226 34.9 21.8 32.6
229 21.3 15.6 23.4

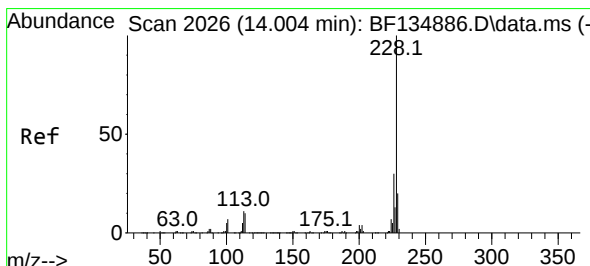
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Patel



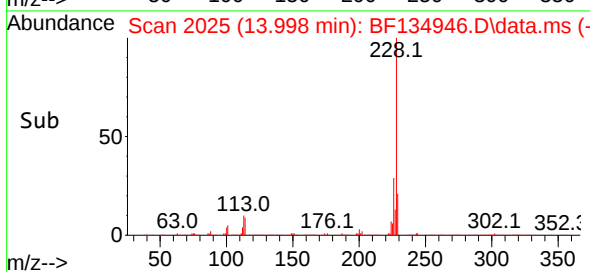
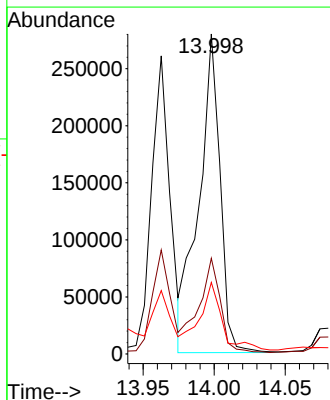
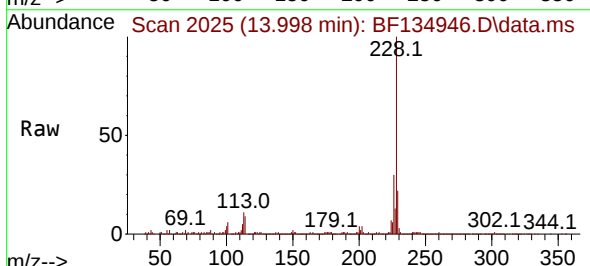
08/28/2023
Supervised By :mohammad
ahmed

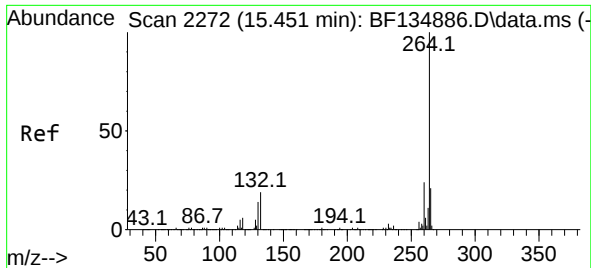
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#83
Chrysene
Concen: 22.775 ng
RT: 13.998 min Scan# 2025
Delta R.T. -0.006 min
Lab File: BF134946.D
Acq: 25 Aug 2023 18:02

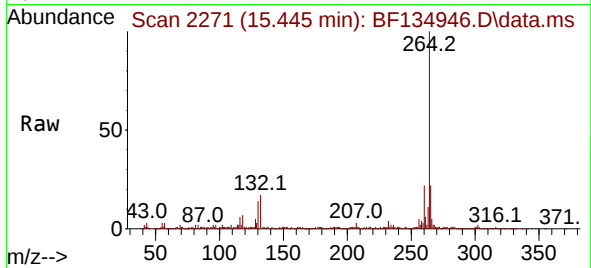
Tgt Ion:228 Resp: 291330
Ion Ratio Lower Upper
228 100
226 29.9 24.2 36.2
229 22.4 16.0 24.0





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.445 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF134946.D
Acq: 25 Aug 2023 18:02

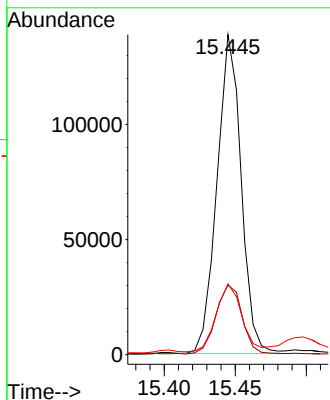
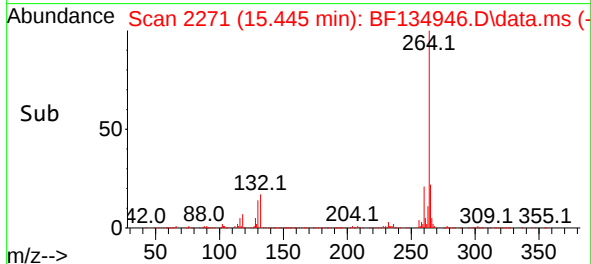
Instrument :
BNA_F
ClientSampleId :
TP-15(2-3)



Tgt Ion:264 Resp: 16331
Ion Ratio Lower Upper
264 100
260 21.8 19.0 28.6
265 22.1 17.1 25.7

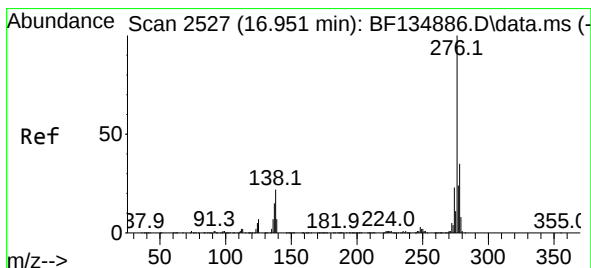
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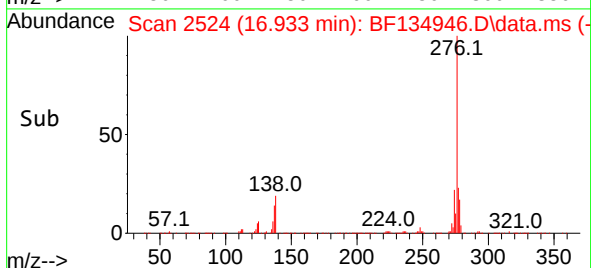
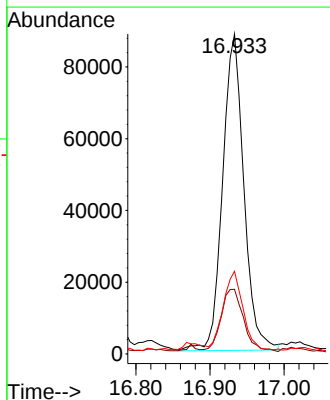
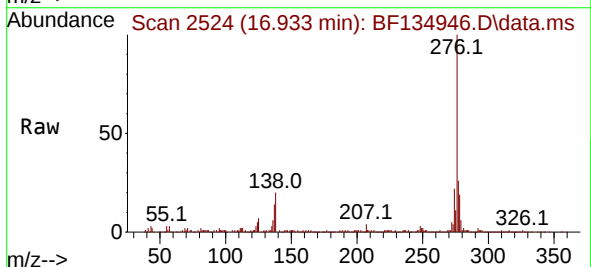
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Supervised By :mohammad
ahmed

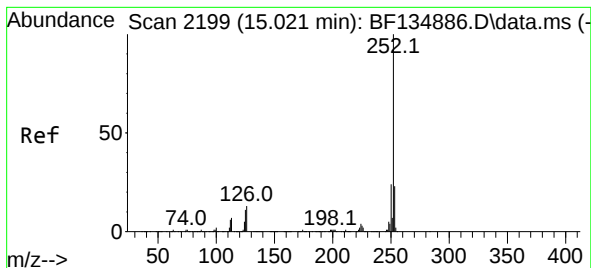
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#87
Indeno(1,2,3-cd)pyrene
Concen: 15.055 ng
RT: 16.933 min Scan# 2524
Delta R.T. -0.018 min
Lab File: BF134946.D
Acq: 25 Aug 2023 18:02

Tgt Ion:276 Resp: 175745
Ion Ratio Lower Upper
276 100
138 21.2 19.7 29.5
277 22.8 20.1 30.1





#88

Benzo(b)fluoranthene

Concen: 44.800 ng m

RT: 15.021 min Scan# 2199

Delta R.T. -0.000 min

Lab File: BF134946.D

Acq: 25 Aug 2023 18:02

Instrument :

BNA_F

ClientSampleId :

TP-15(2-3)

Tgt Ion:252 Resp: 412779

Ion Ratio Lower Upper

252 100

253 22.8 18.1 27.1

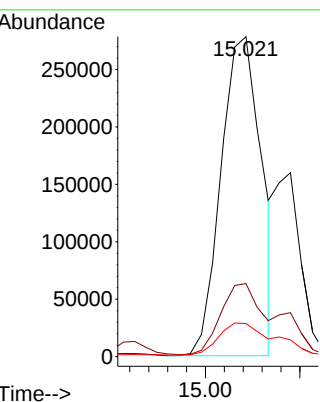
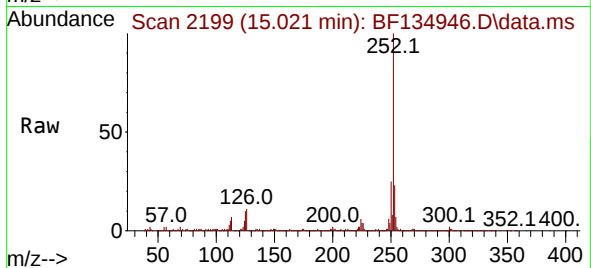
125 10.3 8.4 12.6

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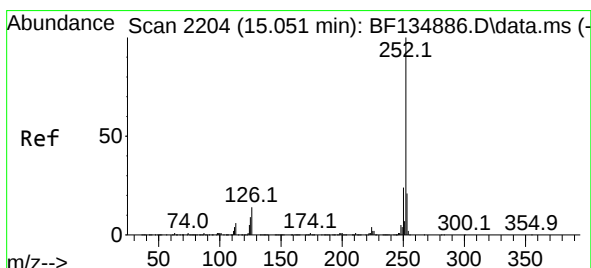
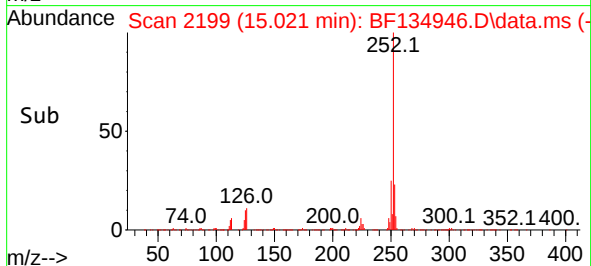
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#89

Benzo(k)fluoranthene

Concen: 16.011 ng m

RT: 15.045 min Scan# 2203

Delta R.T. -0.006 min

Lab File: BF134946.D

Acq: 25 Aug 2023 18:02

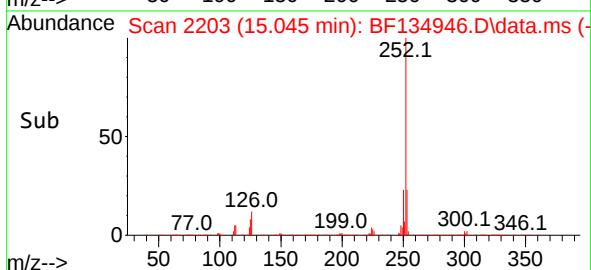
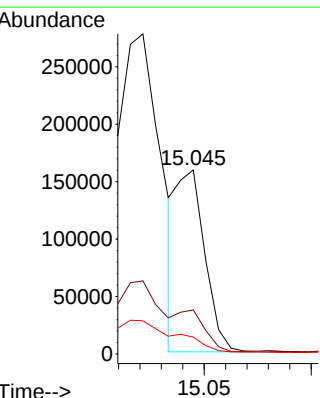
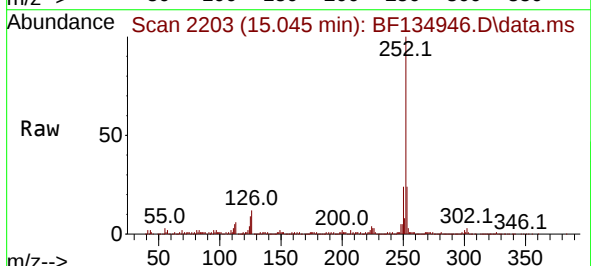
Tgt Ion:252 Resp: 144868

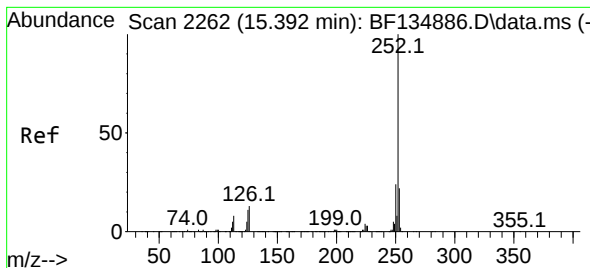
Ion Ratio Lower Upper

252 100

253 23.9 17.1 25.7

125 9.1 8.0 12.0





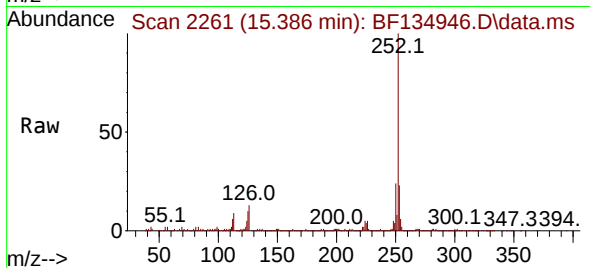
#90
Benzo(a)pyrene
Concen: 28.199 ng
RT: 15.386 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF134946.D
Acq: 25 Aug 2023 18:02

Instrument :

BNA_F

ClientSampleId :

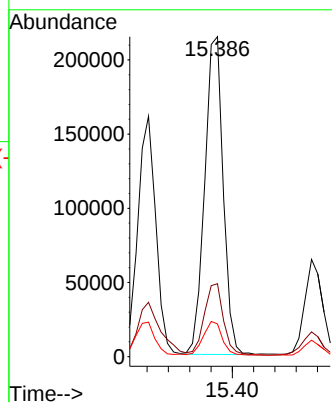
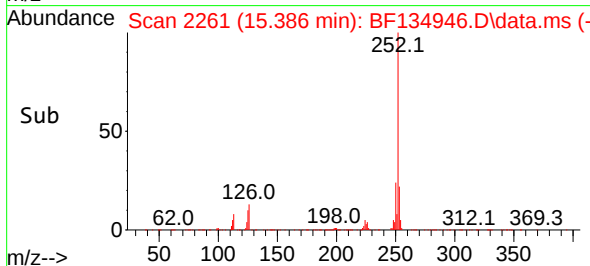
TP-15(2-3)



Tgt Ion:252 Resp: 259370
Ion Ratio Lower Upper
252 100
253 22.8 17.6 26.4
125 10.3 8.4 12.6

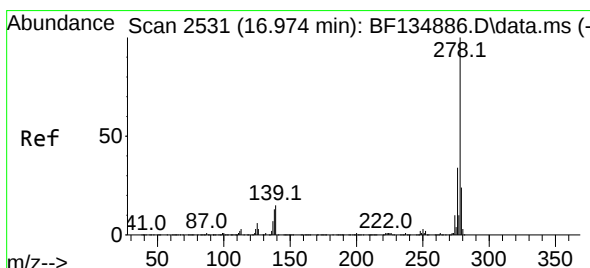
Manual Integrations
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Patel



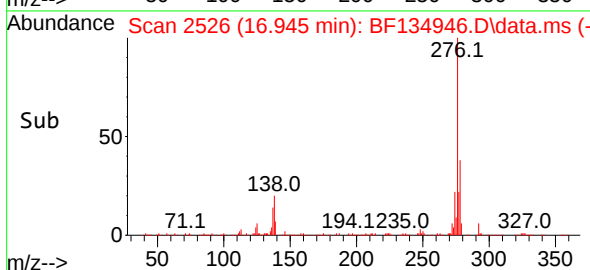
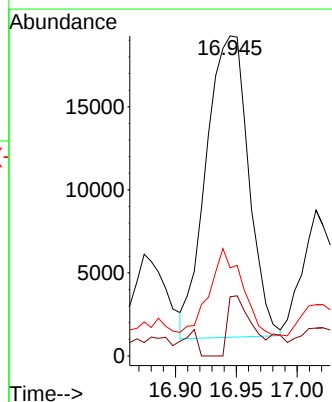
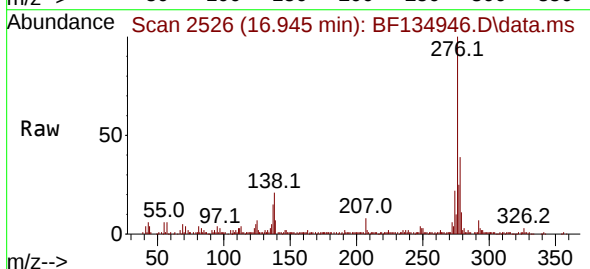
08/28/2023
Supervised By :mohammad
ahmed

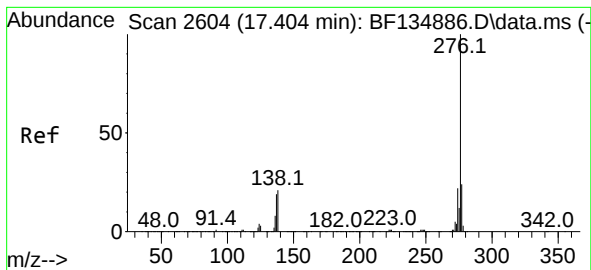
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#91
Dibenzo(a,h)anthracene
Concen: 4.654 ng
RT: 16.945 min Scan# 2526
Delta R.T. -0.029 min
Lab File: BF134946.D
Acq: 25 Aug 2023 18:02

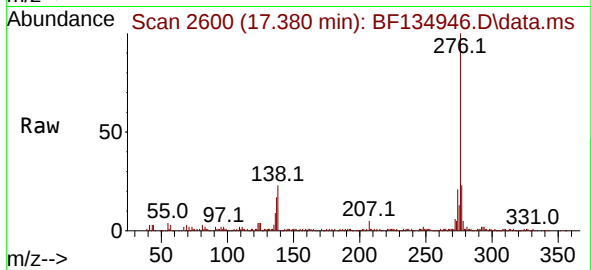
Tgt Ion:278 Resp: 43959
Ion Ratio Lower Upper
278 100
139 18.5 12.2 18.4#
279 27.6 19.1 28.7





#92
 Benzo(g,h,i)perylene
 Concen: 15.721 ng
 RT: 17.380 min Scan# 20
 Delta R.T. -0.024 min
 Lab File: BF134946.D
 Acq: 25 Aug 2023 18:02

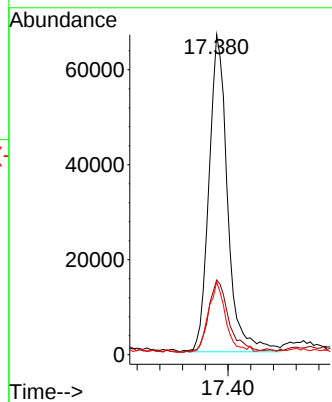
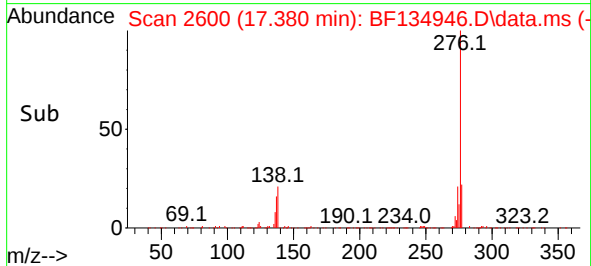
Instrument :
 BNA_F
 ClientSampleId :
 TP-15(2-3)



Tgt Ion:276 Resp: 151999
 Ion Ratio Lower Upper
 276 100
 277 23.4 19.2 28.8
 138 22.7 17.0 25.6

Manual Integrations
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 Patel



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 Supervised By :mohammad
 ahmed

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