

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101923\
 Data File : BF135895.D
 Acq On : 19 Oct 2023 19:49
 Operator : CG\JU
 Sample : 04704-04DL 25X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 R-3(10-15)DL

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/20/2023
 Supervised By :mohammad ahmed 10/20/2023

Quant Time: Oct 20 02:04:04 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101323.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 17 01:22:00 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							10/20/2023 Supervised By :mohammad ahmed
1) 1,4-Dichlorobenzene-d4	6.734	152	58049	20.000	ng	-0.01	
21) Naphthalene-d8	8.016	136	203534	20.000	ng	0.00	
39) Acenaphthene-d10	9.774	164	88532	20.000	ng	-0.01	
64) Phenanthrene-d10	11.269	188	147628	20.000	ng	-0.01	
76) Chrysene-d12	13.939	240	116014	20.000	ng	-0.01	
86) Perylene-d12	15.415	264	97445	20.000	ng	0.00	10/20/2023
System Monitoring Compounds							
5) 2-Fluorophenol	5.416	112	12120	3.357	ng	0.04	
7) Phenol-d6	6.434	99	16439	3.649	ng	0.04	
23) Nitrobenzene-d5	7.322	82	9081	2.454	ng	0.00	
42) 2,4,6-Tribromophenol	10.580	330	2727	3.210	ng	0.00	
45) 2-Fluorobiphenyl	9.092	172	19995	3.531	ng	-0.01	
79) Terphenyl-d14	12.863	244	18744	2.992	ng	-0.02	
Target Compounds						Qvalue	
31) Naphthalene	8.033	128	134577	13.556	ng	99	
37) 2-Methylnaphthalene	8.727	142	48922	7.480	ng	96	
38) 1-Methylnaphthalene	8.827	142	104626	17.343	ng	98	
46) 1,1'-Biphenyl	9.192	154	20700	3.052	ng	98	
49) Acenaphthylene	9.633	152	58414	7.222	ng	# 95	
52) Acenaphthene	9.804	154	15120	3.119	ng	96	
58) Fluorene	10.322	166	65023	11.354	ng	96	
71) Phenanthrene	11.292	178	294717	41.673	ng	100	
72) Anthracene	11.345	178	54461	7.432	ng	98	
75) Fluoranthene	12.492	202	178245	22.709	ng	97	
78) Pyrene	12.727	202	281350	30.518	ng	99	
81) Benzo(a)anthracene	13.927	228	105384	13.829	ng	97	
83) Chrysene	13.962	228	93815	12.711	ng	98	
87) Indeno(1,2,3-cd)pyrene	16.927	276	25579	4.818	ng	95	
88) Benzo(b)fluoranthene	14.986	252	60772m	11.143	ng		
89) Benzo(k)fluoranthene	15.004	252	19610m	3.704	ng		
90) Benzo(a)pyrene	15.356	252	61610	12.014	ng	98	
92) Benzo(g,h,i)perylene	17.386	276	27342	6.115	ng	# 89	

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

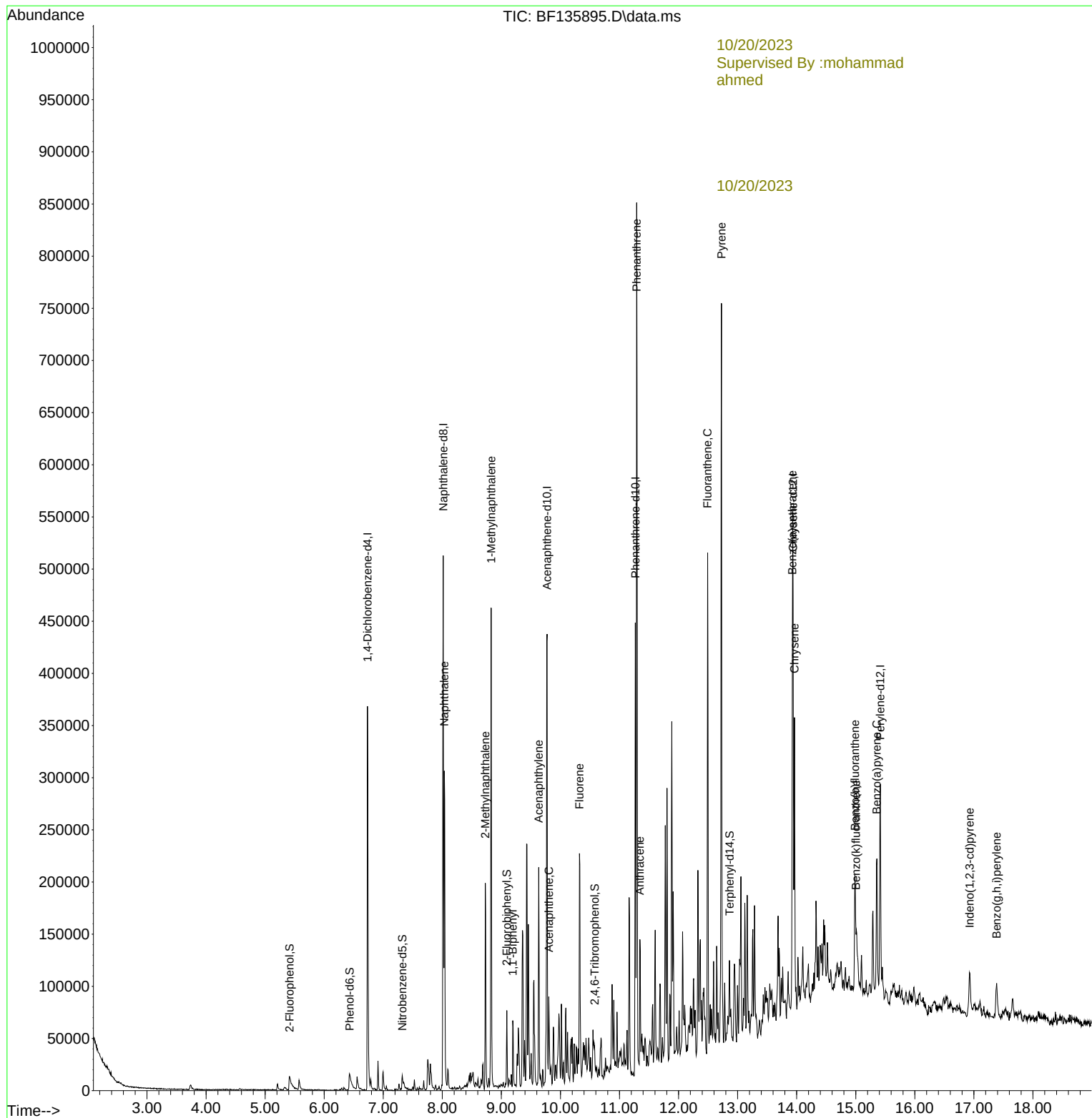
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101923\
Data File : BF135895.D
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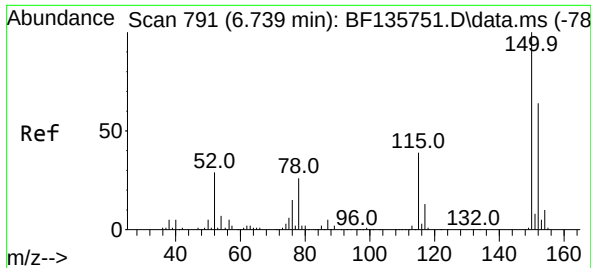
Instrument :
BNA_F
ClientSampleId :
R-3(10-15)DL

Quant Time: Oct 20 02:04:04 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101323.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 17 01:22:00 2023
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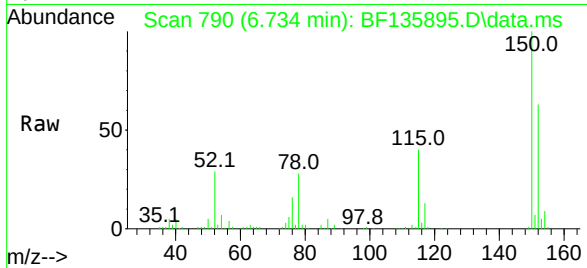
Reviewed By :Yogesh Patel 10/20/2023
Supervised By :mohammad ahmed 10/20/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.734 min Scan# 791
Delta R.T. -0.013 min
Lab File: BF135895.D
Acq: 19 Oct 2023 19:49

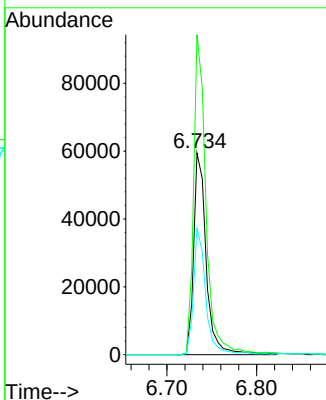
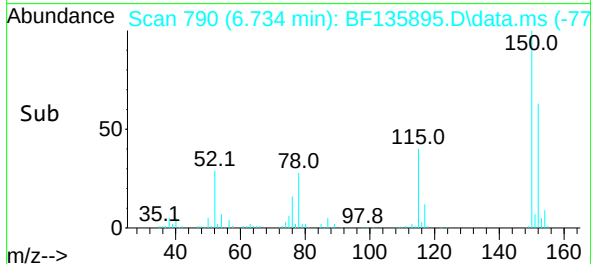
Instrument :
BNA_F
ClientSampleId :
R-3(10-15)DL



Tgt Ion:152 Resp: 58049
Ion Ratio Lower Upper
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150 158.7 124.5 186.7
115 62.8 49.0 73.4

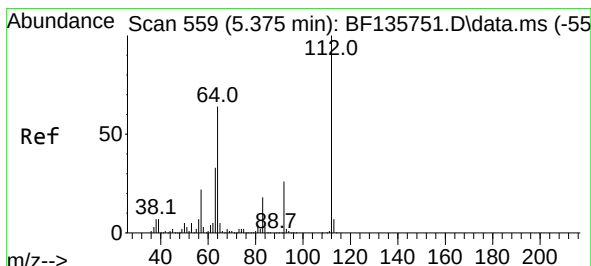
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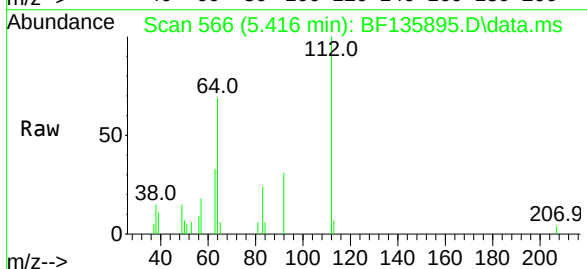


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ahmed

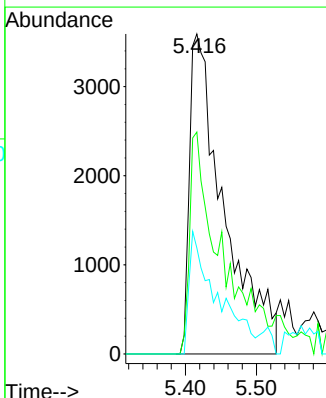
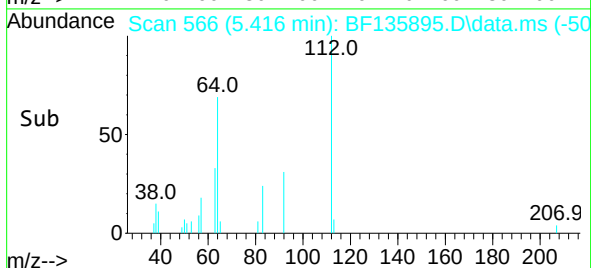
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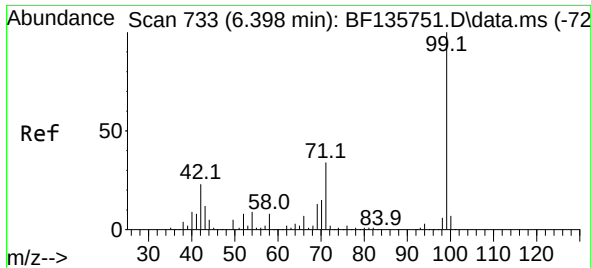


#5
2-Fluorophenol
Concen: 3.357 ng
RT: 5.416 min Scan# 566
Delta R.T. 0.041 min
Lab File: BF135895.D
Acq: 19 Oct 2023 19:49



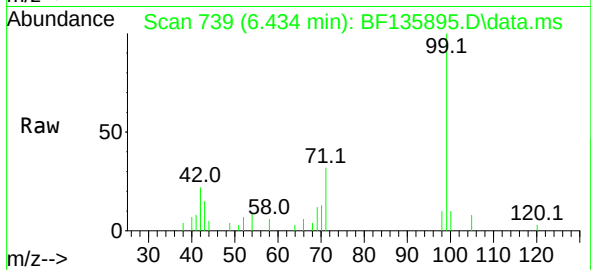
Tgt Ion:112 Resp: 12120
Ion Ratio Lower Upper
112 100
64 69.3 51.2 76.8
63 33.2 26.1 39.1





#7
Phenol-d6
Concen: 3.649 ng
RT: 6.434 min Scan# 71
Delta R.T. 0.035 min
Lab File: BF135895.D
Acq: 19 Oct 2023 19:49

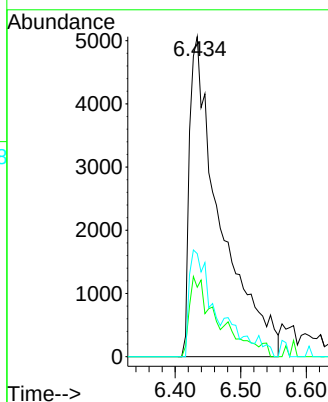
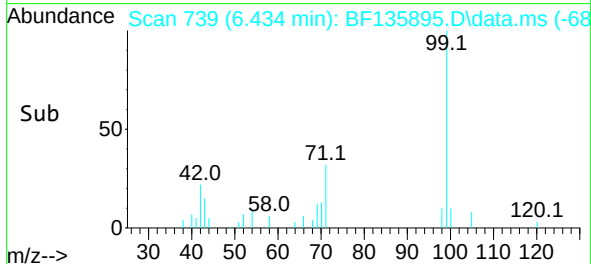
Instrument :
BNA_F
ClientSampleId :
R-3(10-15)DL



Tgt Ion: 99 Resp: 16439
Ion Ratio Lower Upper
99 100
42 21.7 18.4 27.6
71 32.2 27.2 40.8

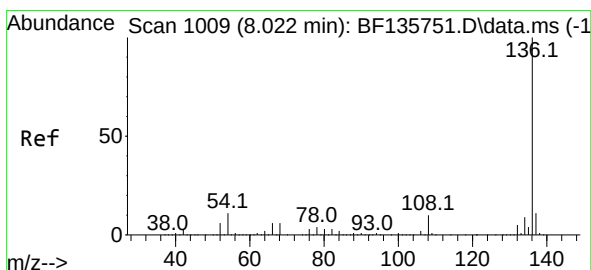
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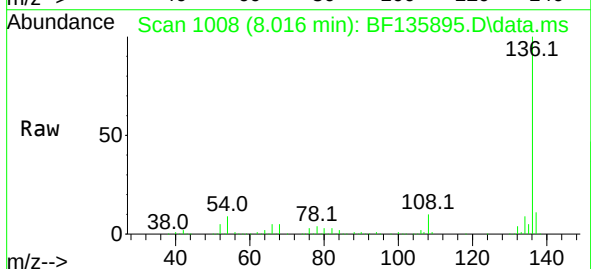


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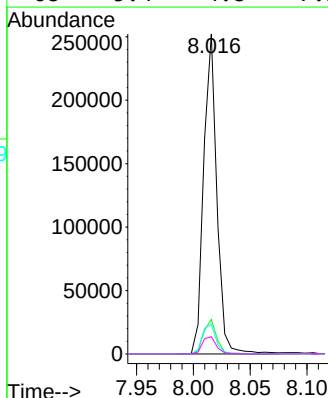
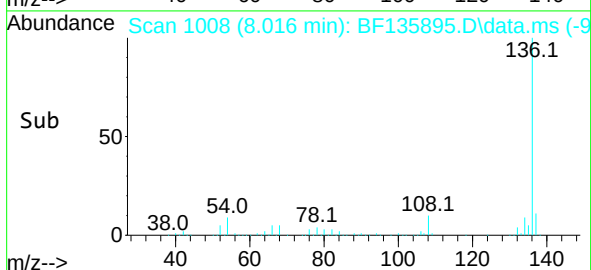
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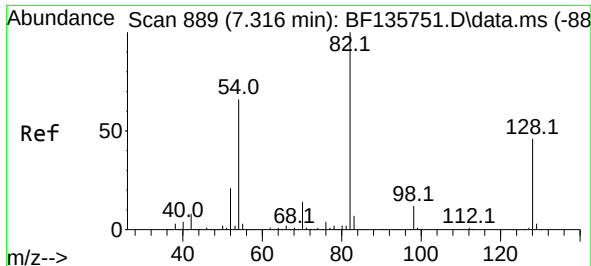


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.016 min Scan# 1008
Delta R.T. -0.006 min
Lab File: BF135895.D
Acq: 19 Oct 2023 19:49



Tgt Ion:136 Resp: 203534
Ion Ratio Lower Upper
136 100
137 10.8 8.6 12.8
54 9.2 8.5 12.7
68 5.4 4.8 7.2





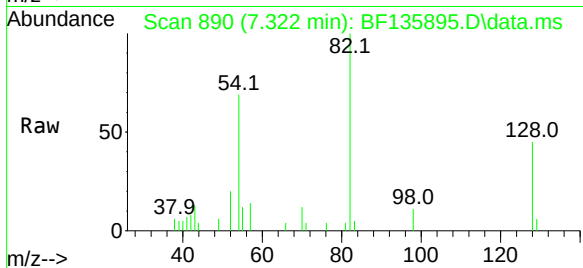
#23
Nitrobenzene-d5
Concen: 2.454 ng
RT: 7.322 min Scan# 89
Delta R.T. 0.006 min
Lab File: BF135895.D
Acq: 19 Oct 2023 19:49

Instrument :

BNA_F

ClientSampleId :

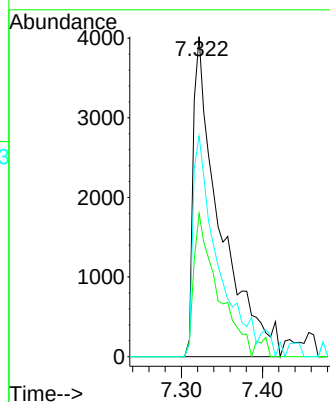
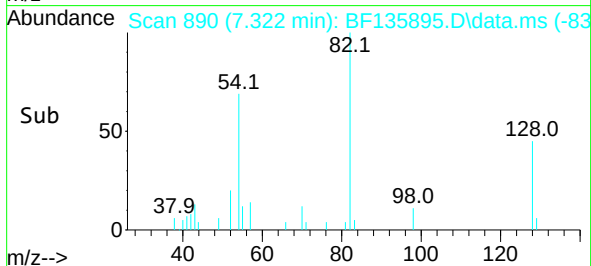
R-3(10-15)DL



Tgt Ion: 82 Resp: 908
Ion Ratio Lower Upper
82 100
128 44.8 37.0 55.6
54 69.0 52.8 79.2

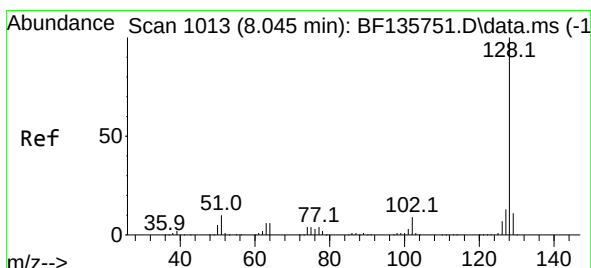
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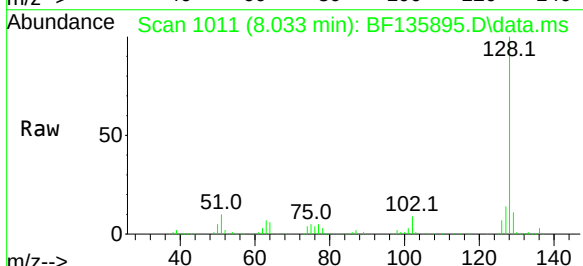


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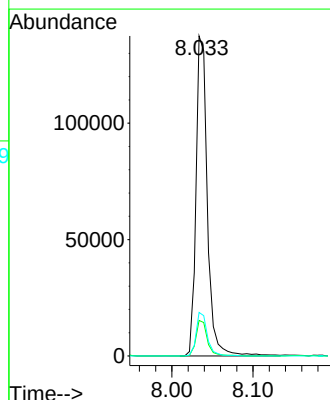
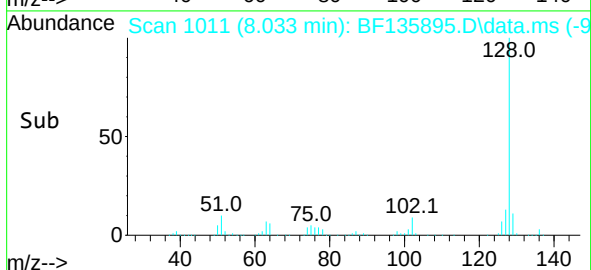
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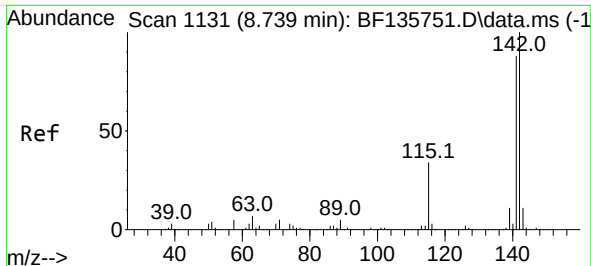


#31
Naphthalene
Concen: 13.556 ng
RT: 8.033 min Scan# 1011
Delta R.T. -0.012 min
Lab File: BF135895.D
Acq: 19 Oct 2023 19:49



Tgt Ion:128 Resp: 134577
Ion Ratio Lower Upper
128 100
129 11.1 8.7 13.1
127 13.6 10.2 15.4





#37

2-Methylnaphthalene

Concen: 7.480 ng

RT: 8.727 min Scan# 1129

Delta R.T. -0.012 min

Lab File: BF135895.D

Acq: 19 Oct 2023 19:49

Instrument :

BNA_F

ClientSampleId :

R-3(10-15)DL

Tgt Ion:142 Resp: 4892

Ion Ratio Lower Upper

142 100

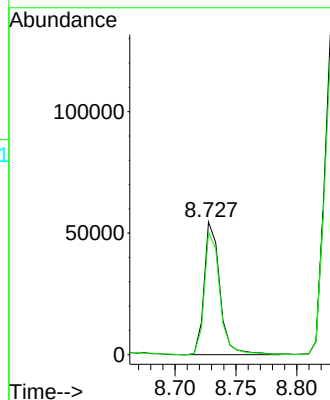
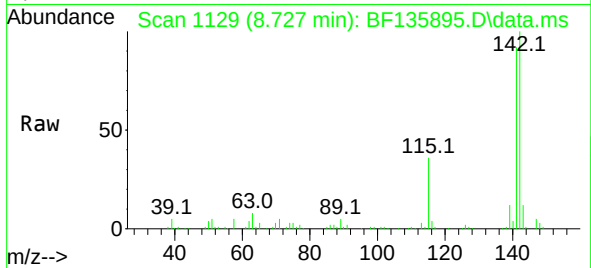
141 92.3 70.6 105.8

Manual Integrations

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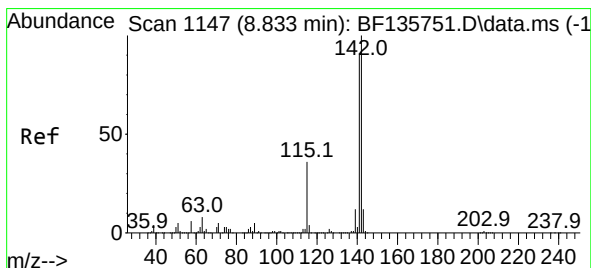
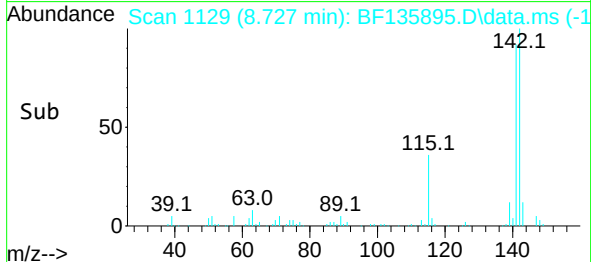
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ahmed

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#38

1-Methylnaphthalene

Concen: 17.343 ng

RT: 8.827 min Scan# 1146

Delta R.T. -0.012 min

Lab File: BF135895.D

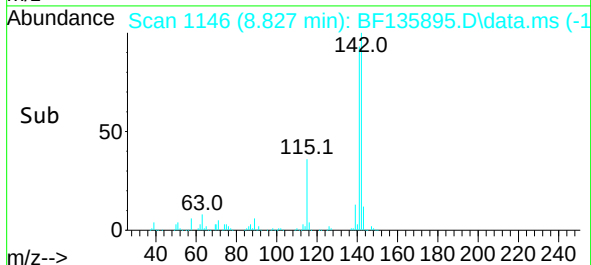
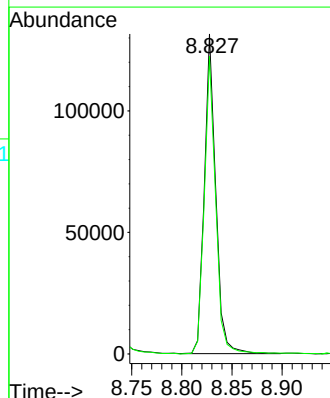
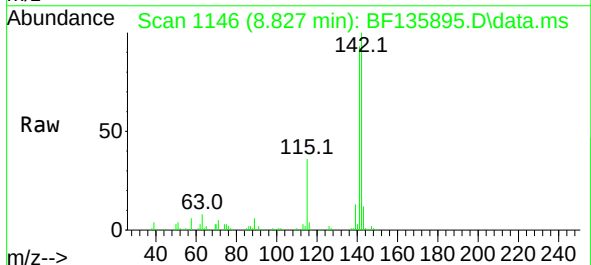
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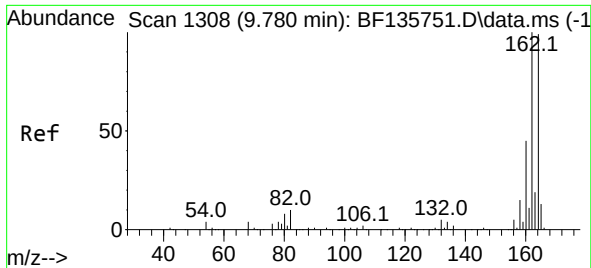
Tgt Ion:142 Resp: 104626

Ion Ratio Lower Upper

142 100

141 92.9 72.7 109.1





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.774 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF135895.D
Acq: 19 Oct 2023 19:49

Instrument :

BNA_F

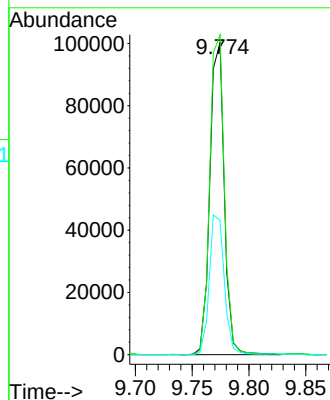
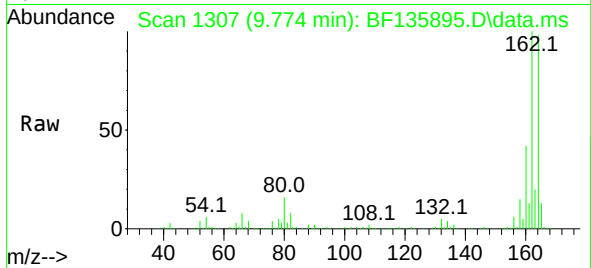
ClientSampleId :

R-3(10-15)DL

Tgt Ion:164 Resp: 8853
Ion Ratio Lower Upper
164 100
162 102.5 80.8 121.2
160 43.1 36.6 54.8

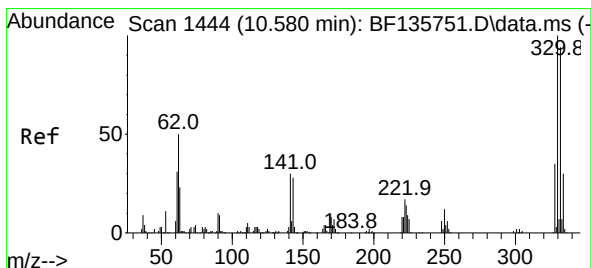
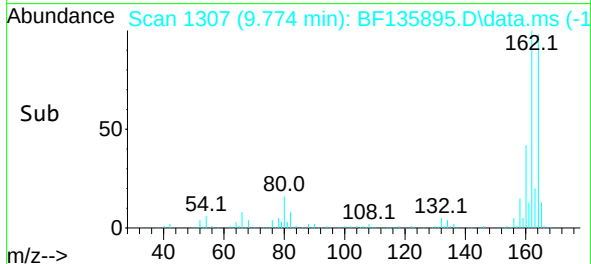
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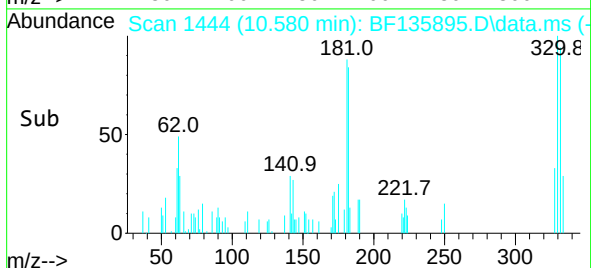
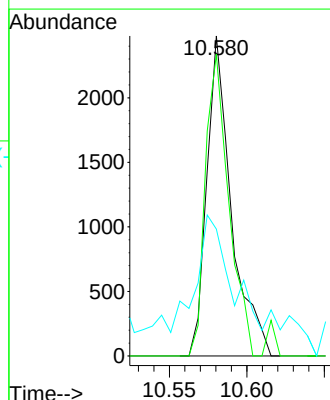
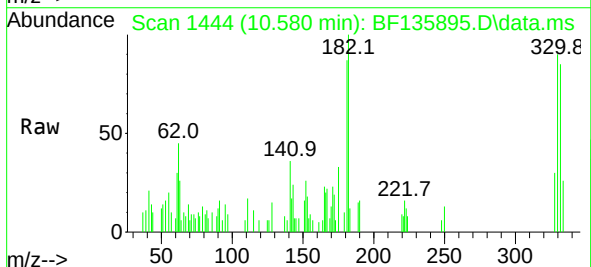
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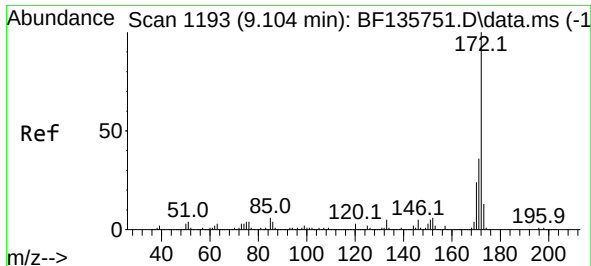
10/20/2023



#42
2,4,6-Tribromophenol
Concen: 3.210 ng
RT: 10.580 min Scan# 1444
Delta R.T. -0.006 min
Lab File: BF135895.D
Acq: 19 Oct 2023 19:49

Tgt Ion:330 Resp: 2727
Ion Ratio Lower Upper
330 100
332 90.1 75.0 112.4
141 49.0 25.8 38.6#





#45
2-Fluorobiphenyl
Concen: 3.531 ng
RT: 9.092 min Scan# 1199
Delta R.T. -0.012 min
Lab File: BF135895.D
Acq: 19 Oct 2023 19:49

Instrument :

BNA_F

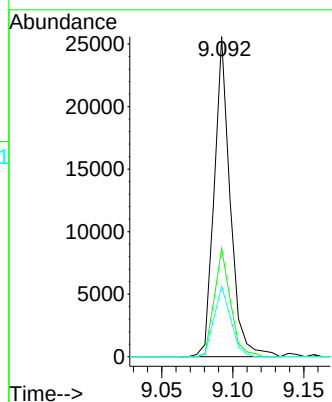
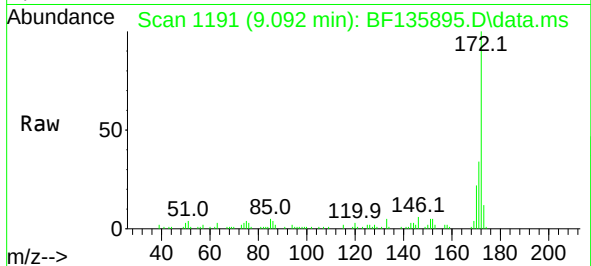
ClientSampleId :

R-3(10-15)DL

Tgt Ion:172 Resp: 1999
Ion Ratio Lower Upper
172 100
171 33.8 28.4 42.6
170 22.0 18.8 28.2

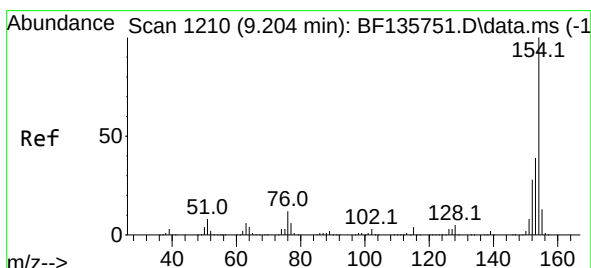
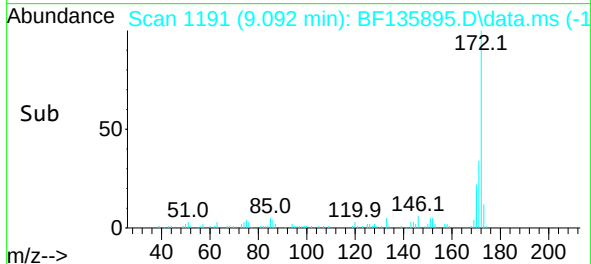
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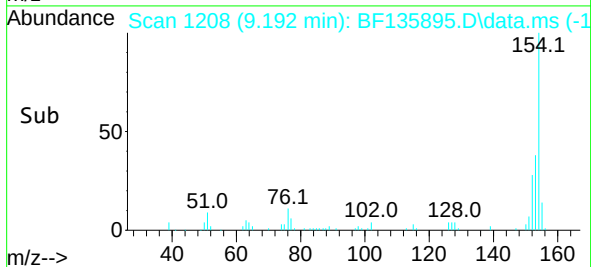
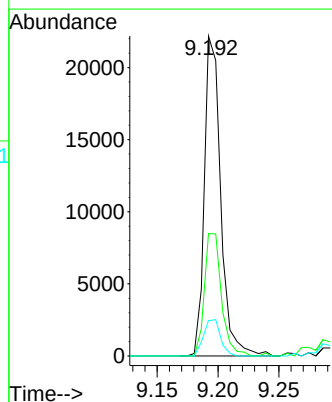
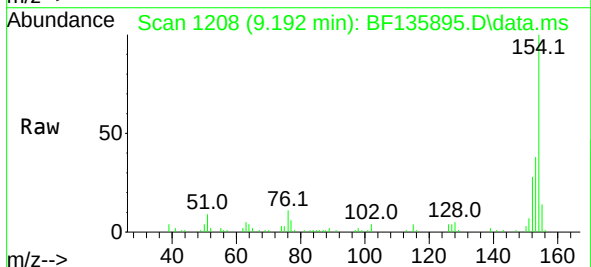
10/20/2023
Supervised By :mohammad
ahmed

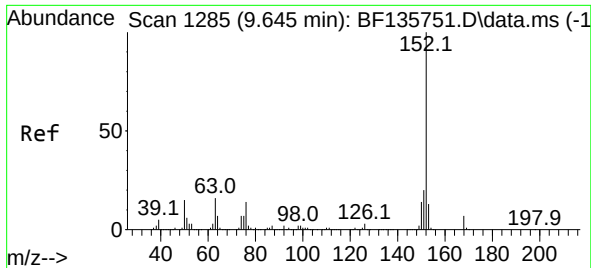
10/20/2023



#46
1,1'-Biphenyl
Concen: 3.052 ng
RT: 9.192 min Scan# 1208
Delta R.T. -0.012 min
Lab File: BF135895.D
Acq: 19 Oct 2023 19:49

Tgt Ion:154 Resp: 20700
Ion Ratio Lower Upper
154 100
153 38.3 19.4 59.4
76 11.1 0.0 31.7





#49
Acenaphthylene
Concen: 7.222 ng
RT: 9.633 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF135895.D
Acq: 19 Oct 2023 19:49

Instrument :

BNA_F

ClientSampleId :

R-3(10-15)DL

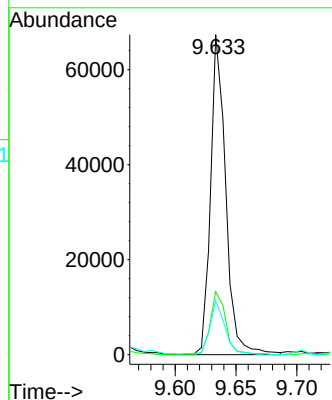
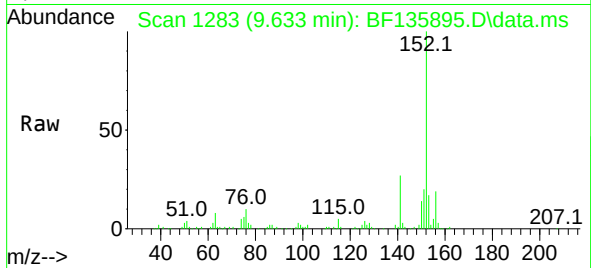
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Ion Ratio Lower Upper
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151 19.7 16.2 24.2
153 16.8 10.2 15.4

Manual Integrations

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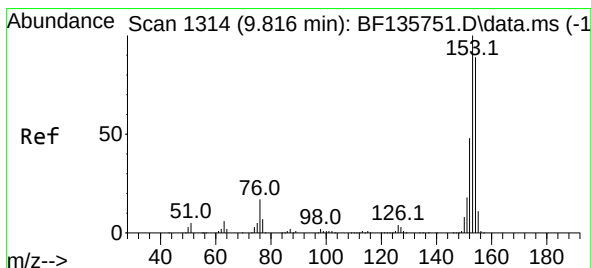
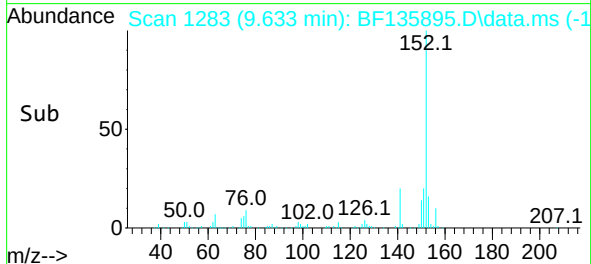
Reviewed By :Yogesh Patel 10/20/2023

Supervised By :mohammad ahmed 10/20/2023



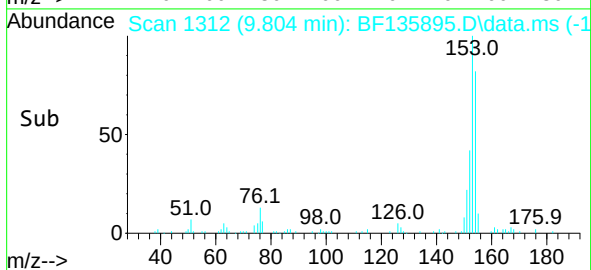
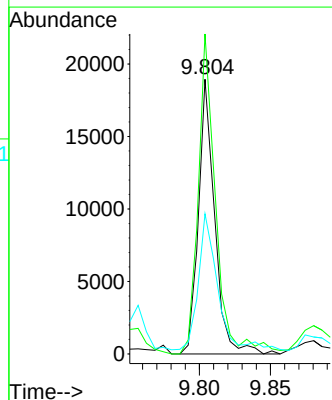
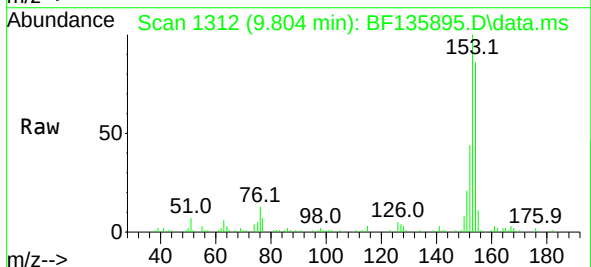
10/20/2023
Supervised By :mohammad
ahmed

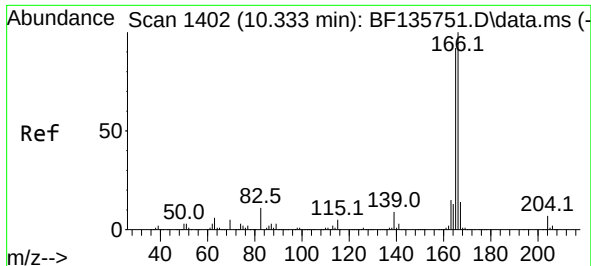
10/20/2023



#52
Acenaphthene
Concen: 3.119 ng
RT: 9.804 min Scan# 1312
Delta R.T. -0.012 min
Lab File: BF135895.D
Acq: 19 Oct 2023 19:49

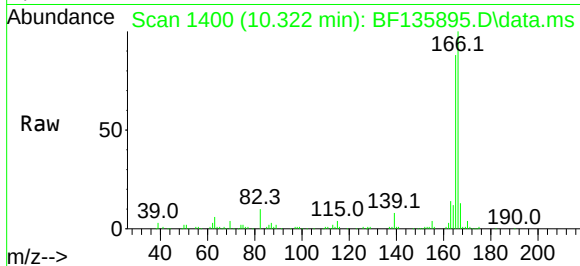
Tgt Ion:154 Resp: 15120
Ion Ratio Lower Upper
154 100
153 116.5 90.1 135.1
152 51.0 43.1 64.7





#58
Fluorene
Concen: 11.354 ng
RT: 10.322 min Scan# 1402
Delta R.T. -0.018 min
Lab File: BF135895.D
Acq: 19 Oct 2023 19:49

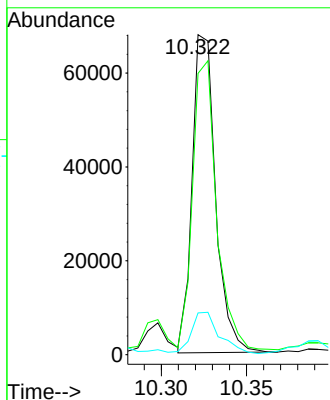
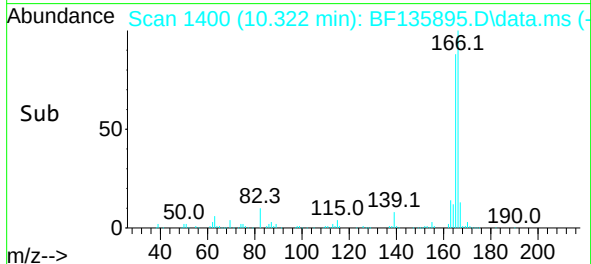
Instrument :
BNA_F
ClientSampleId :
R-3(10-15)DL



Tgt Ion:166 Resp: 6502
Ion Ratio Lower Upper
166 100
165 87.9 73.4 110.0
167 13.0 11.0 16.6

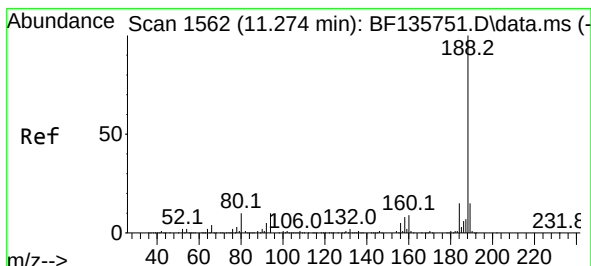
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/20/2023
Supervised By :mohammad ahmed 10/20/2023

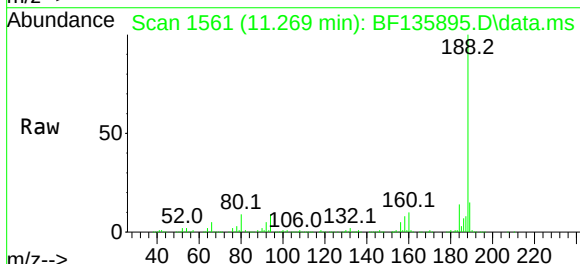


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Supervised By :mohammad
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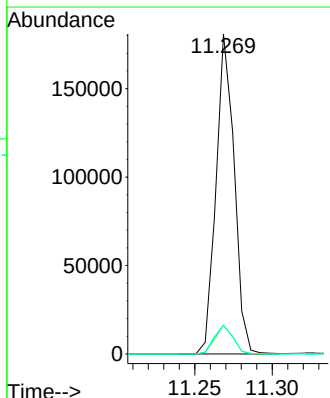
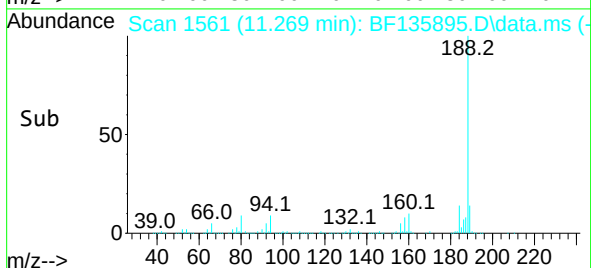
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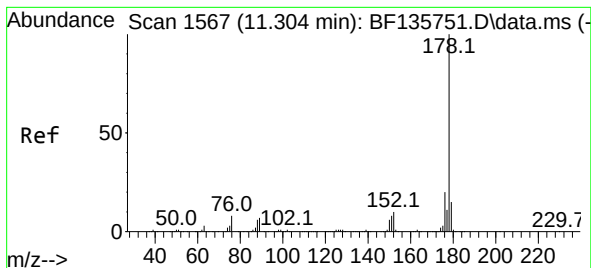


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.269 min Scan# 1561
Delta R.T. -0.012 min
Lab File: BF135895.D
Acq: 19 Oct 2023 19:49



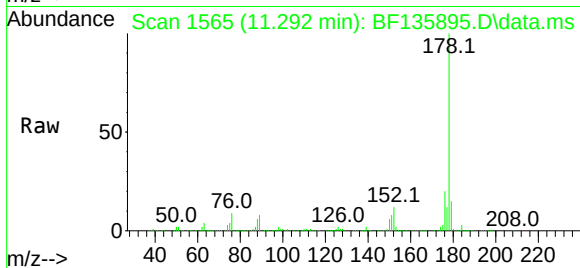
Tgt Ion:188 Resp: 147628
Ion Ratio Lower Upper
188 100
94 9.0 8.0 12.0
80 9.0 8.3 12.5





#71
Phenanthrene
Concen: 41.673 ng
RT: 11.292 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF135895.D
Acq: 19 Oct 2023 19:49

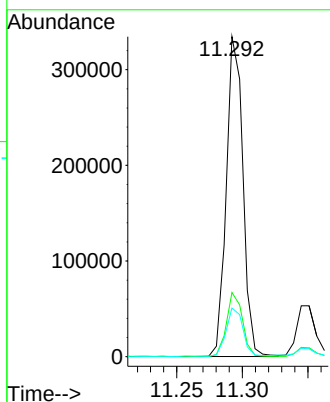
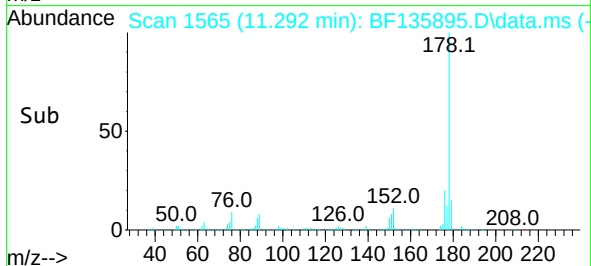
Instrument :
BNA_F
ClientSampleId :
R-3(10-15)DL



Tgt Ion:178 Resp: 29471
Ion Ratio Lower Upper
178 100
176 20.1 16.0 24.0
179 15.2 12.2 18.4

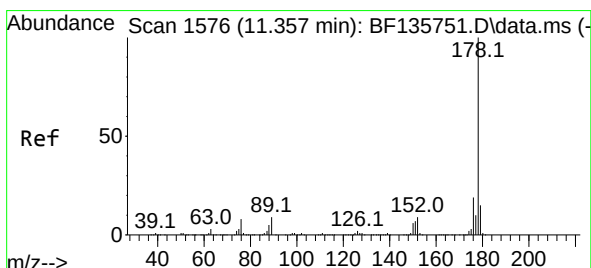
Manual Integrations
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Reviewed By :Yogesh Patel 10/20/2023
Supervised By :mohammad ahmed 10/20/2023



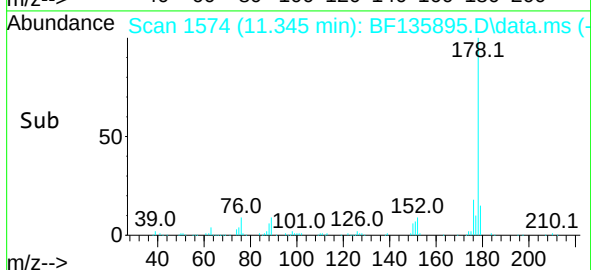
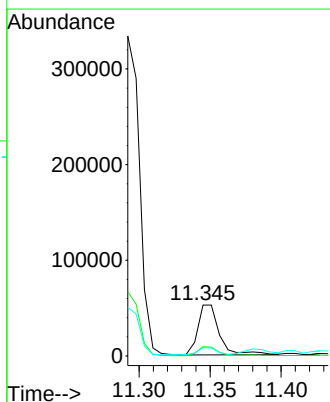
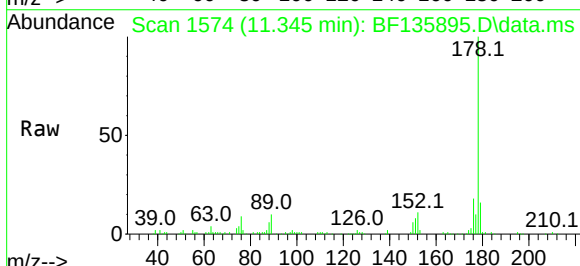
10/20/2023
Supervised By :mohammad
ahmed

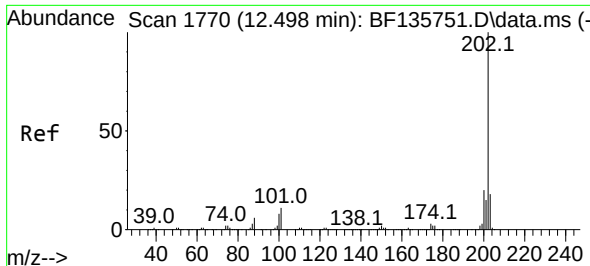
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#72
Anthracene
Concen: 7.432 ng
RT: 11.345 min Scan# 1574
Delta R.T. -0.012 min
Lab File: BF135895.D
Acq: 19 Oct 2023 19:49

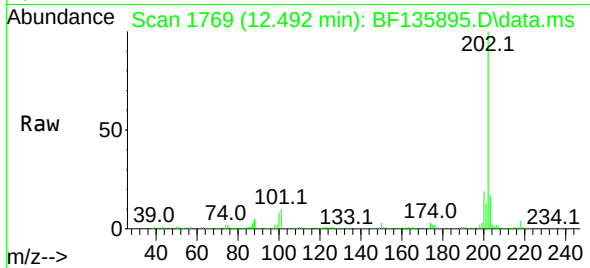
Tgt Ion:178 Resp: 54461
Ion Ratio Lower Upper
178 100
176 18.2 15.1 22.7
179 16.3 12.3 18.5





#75
Fluoranthene
Concen: 22.709 ng
RT: 12.492 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF135895.D
Acq: 19 Oct 2023 19:49

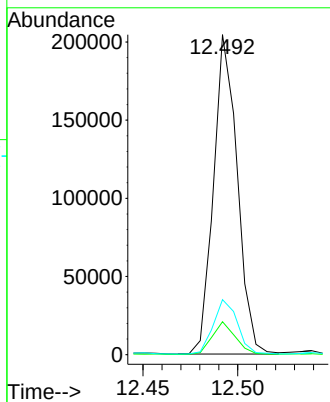
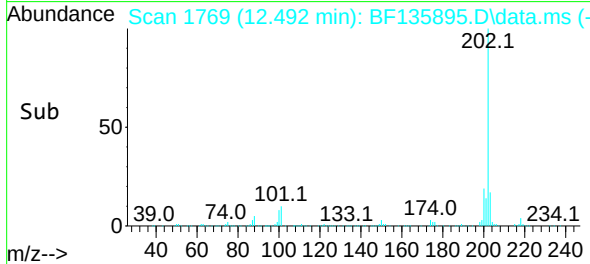
Instrument :
BNA_F
ClientSampleId :
R-3(10-15)DL



Tgt Ion:202 Resp: 17824
Ion Ratio Lower Upper
202 100
101 10.3 0.0 31.5
203 17.2 0.0 38.3

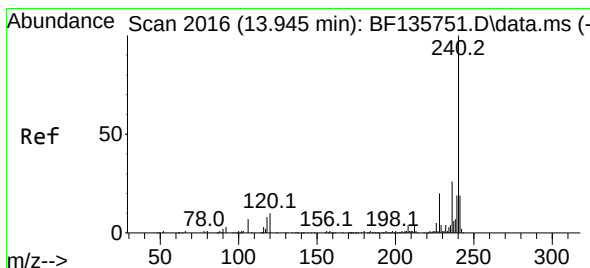
Manual Integrations
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Reviewed By :Yogesh Patel 10/20/2023
Supervised By :mohammad ahmed 10/20/2023



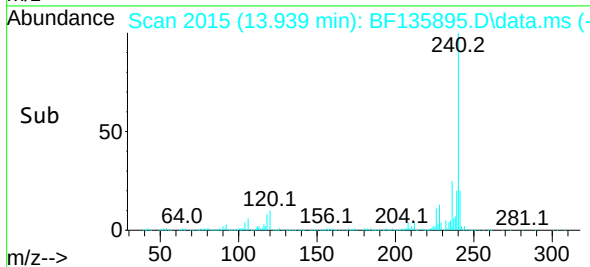
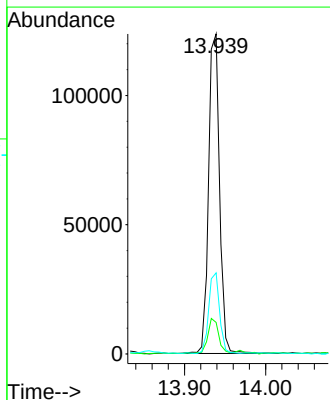
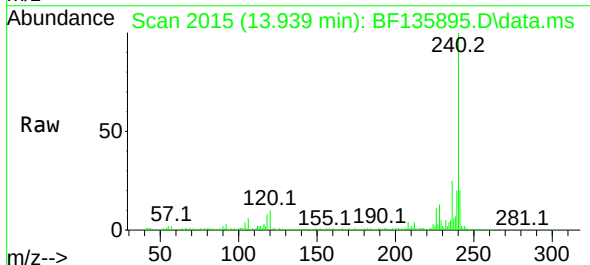
10/20/2023
Supervised By :mohammad
ahmed

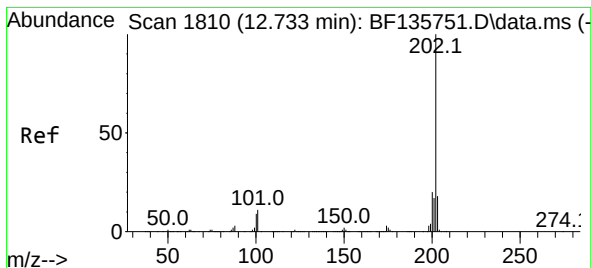
10/20/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.939 min Scan# 2015
Delta R.T. -0.012 min
Lab File: BF135895.D
Acq: 19 Oct 2023 19:49

Tgt Ion:240 Resp: 116014
Ion Ratio Lower Upper
240 100
120 9.9 8.2 12.2
236 25.3 21.2 31.8





#78

Pyrene

Concen: 30.518 ng

RT: 12.727 min Scan# 1809

Delta R.T. -0.006 min

Lab File: BF135895.D

Acq: 19 Oct 2023 19:49

Instrument :

BNA_F

ClientSampleId :

R-3(10-15)DL

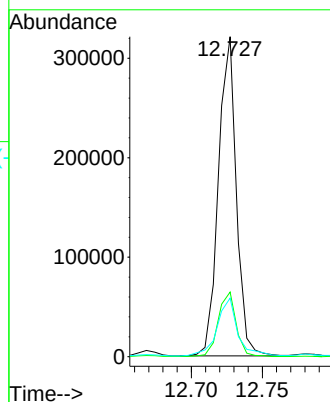
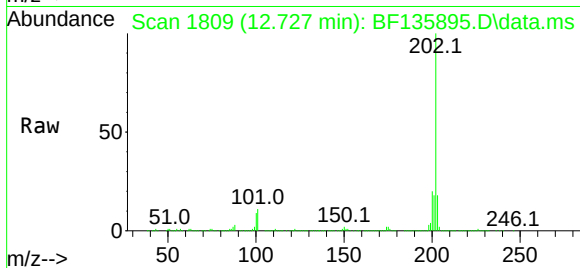
Tgt Ion:	202	Resp:	281350
Ion Ratio	Lower	Upper	
202	100		
200	20.2	16.1	24.1
203	18.3	14.2	21.2

Manual Integrations

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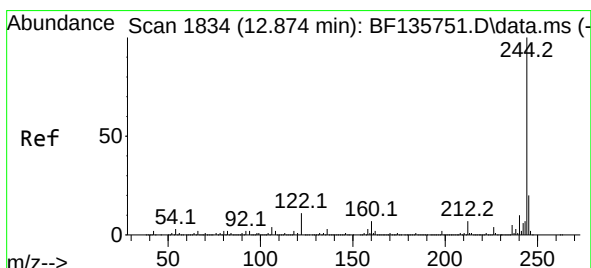
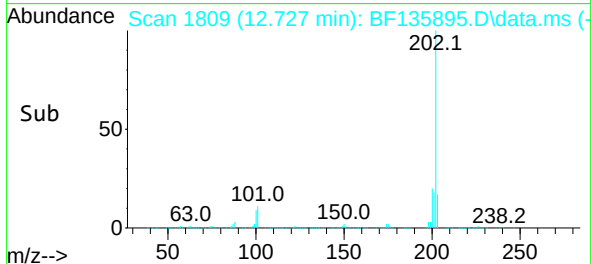
Reviewed By :Yogesh Patel 10/20/2023

Supervised By :mohammad ahmed 10/20/2023



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ahmed

10/20/2023



#79

Terphenyl-d14

Concen: 2.992 ng

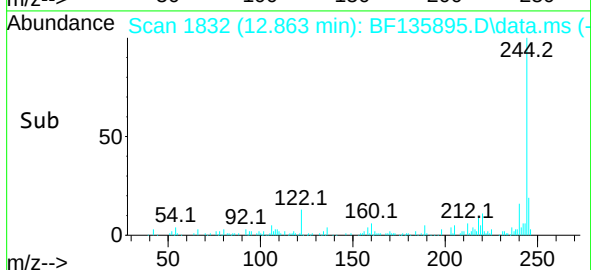
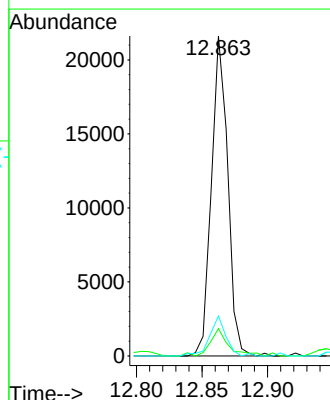
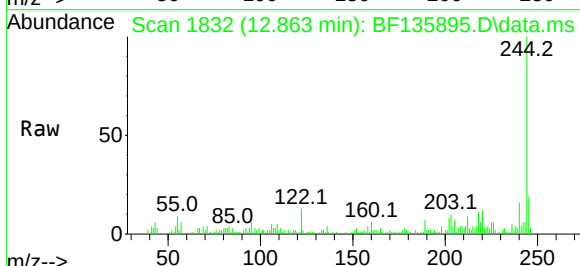
RT: 12.863 min Scan# 1832

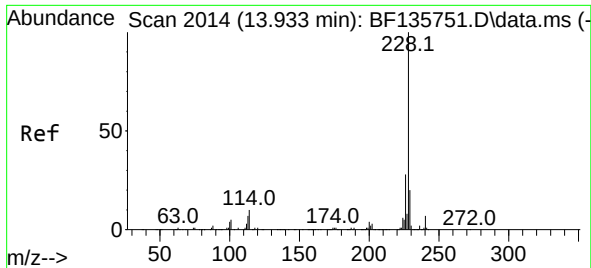
Delta R.T. -0.018 min

Lab File: BF135895.D

Acq: 19 Oct 2023 19:49

Tgt Ion:	244	Resp:	18744
Ion Ratio	Lower	Upper	
244	100		
212	8.5	5.6	8.4
122	12.5	9.0	13.6





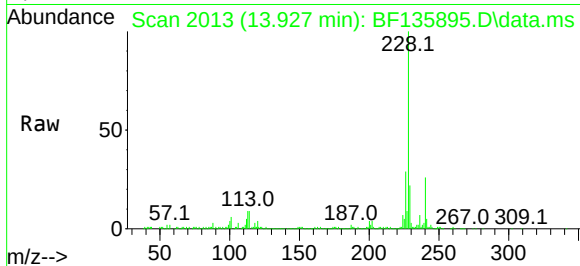
#81
Benzo(a)anthracene
Concen: 13.829 ng
RT: 13.927 min Scan# 2014
Delta R.T. -0.012 min
Lab File: BF135895.D
Acq: 19 Oct 2023 19:49

Instrument :

BNA_F

ClientSampleId :

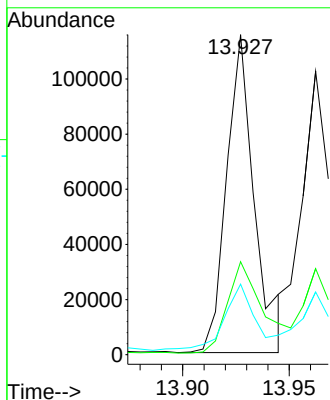
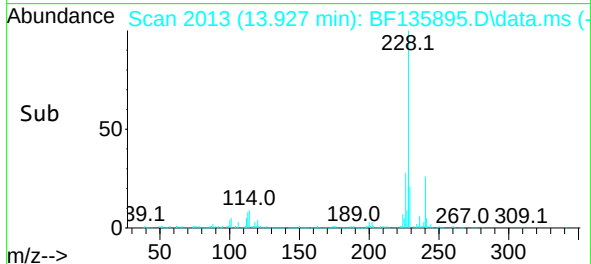
R-3(10-15)DL



Tgt Ion:228 Resp: 105384
Ion Ratio Lower Upper
228 100
226 29.0 22.2 33.2
229 22.1 16.1 24.1

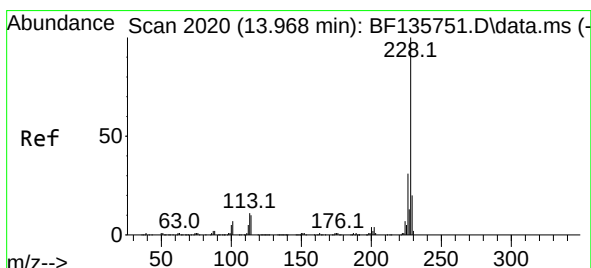
Manual Integrations
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Reviewed By :Yogesh Patel 10/20/2023
Supervised By :mohammad ahmed 10/20/2023



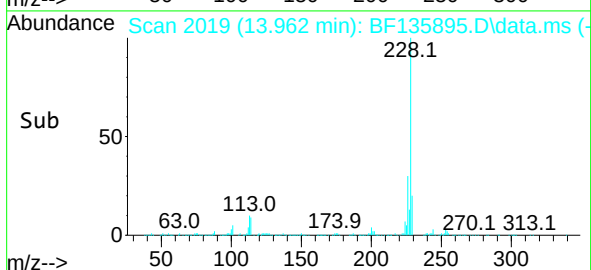
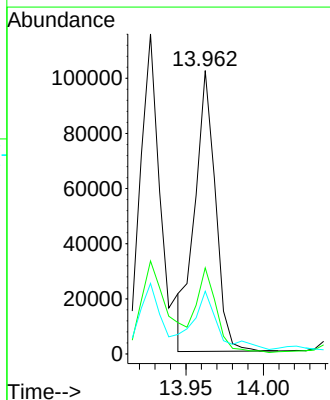
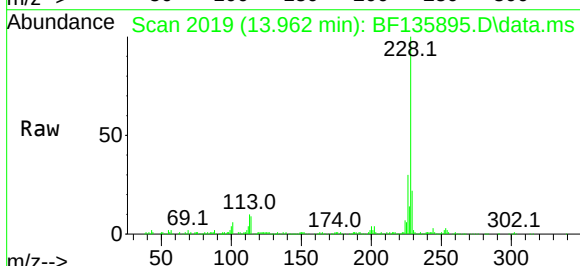
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Supervised By :mohammad
ahmed

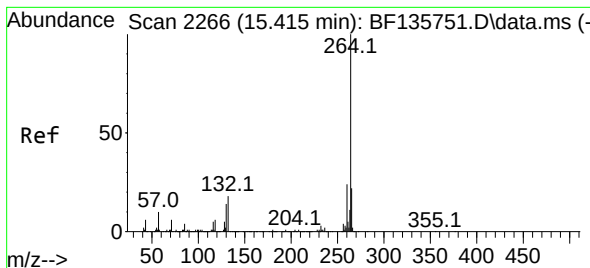
10/20/2023



#83
Chrysene
Concen: 12.711 ng
RT: 13.962 min Scan# 2019
Delta R.T. -0.012 min
Lab File: BF135895.D
Acq: 19 Oct 2023 19:49

Tgt Ion:228 Resp: 93815
Ion Ratio Lower Upper
228 100
226 30.4 24.4 36.6
229 22.1 15.7 23.5





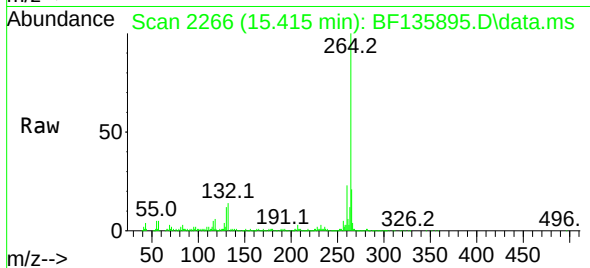
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.415 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF135895.D
Acq: 19 Oct 2023 19:49

Instrument :

BNA_F

ClientSampleId :

R-3(10-15)DL



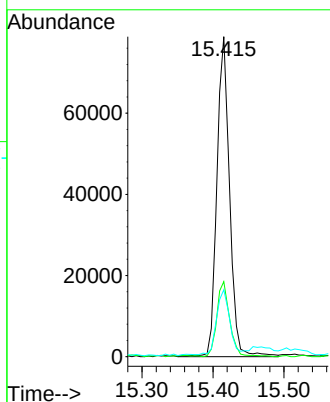
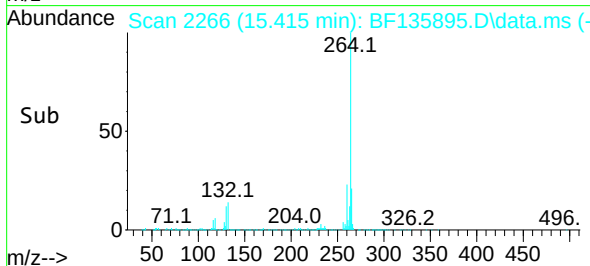
Tgt Ion:264 Resp: 9744
Ion Ratio Lower Upper
264 100
260 23.5 19.2 28.8
265 20.9 17.4 26.2

Manual Integrations

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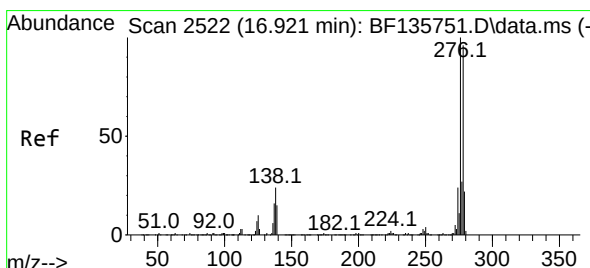
Reviewed By :Yogesh Patel 10/20/2023

Supervised By :mohammad ahmed 10/20/2023

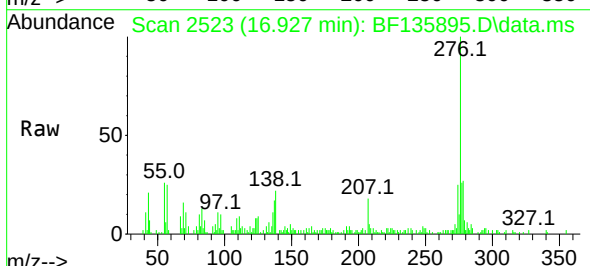


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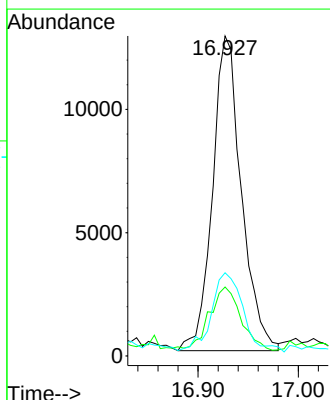
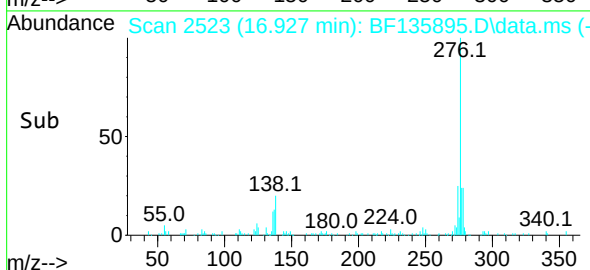
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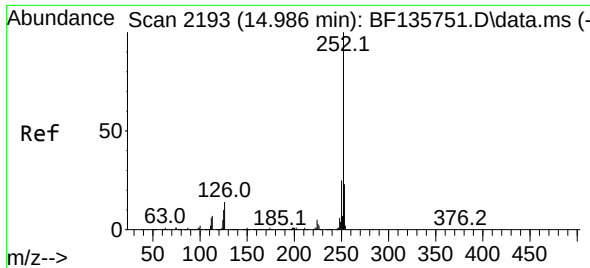


#87
Indeno(1,2,3-cd)pyrene
Concen: 4.818 ng
RT: 16.927 min Scan# 2523
Delta R.T. -0.006 min
Lab File: BF135895.D
Acq: 19 Oct 2023 19:49



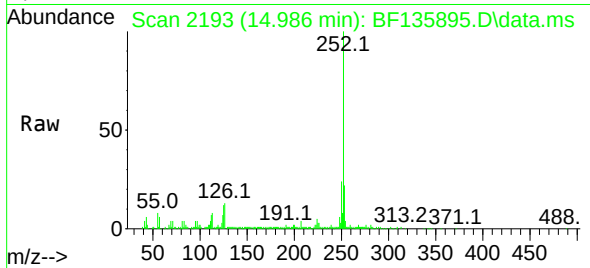
Tgt Ion:276 Resp: 25579
Ion Ratio Lower Upper
276 100
138 21.6 19.8 29.6
277 27.5 20.2 30.4





#88
Benzo(b)fluoranthene
Concen: 11.143 ng m
RT: 14.986 min Scan# 2193
Delta R.T. -0.006 min
Lab File: BF135895.D
Acq: 19 Oct 2023 19:49

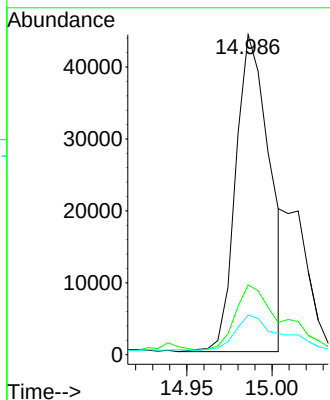
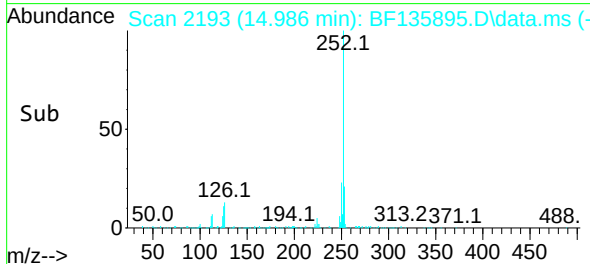
Instrument :
BNA_F
ClientSampleId :
R-3(10-15)DL



Tgt Ion:252 Resp: 60772
Ion Ratio Lower Upper
252 100
253 21.8 18.2 27.2
125 12.4 8.2 12.2

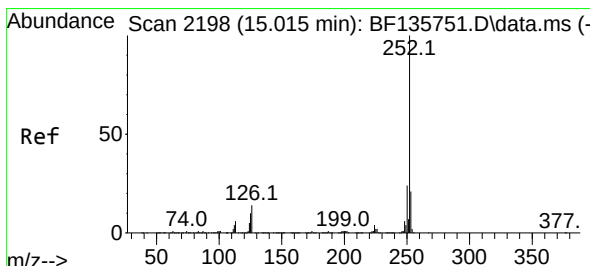
Manual Integrations
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Supervised By :mohammad ahmed 10/20/2023



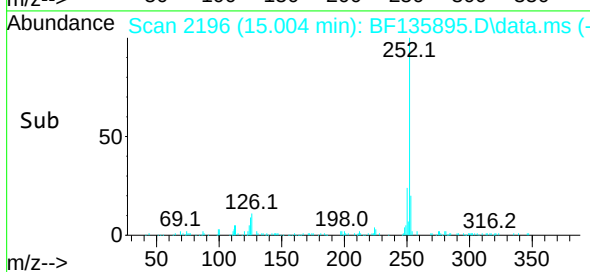
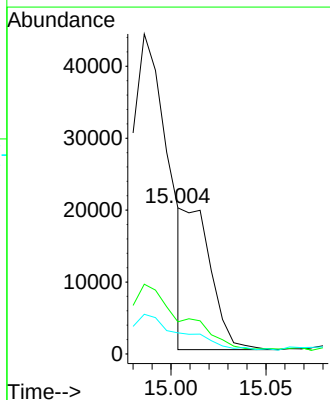
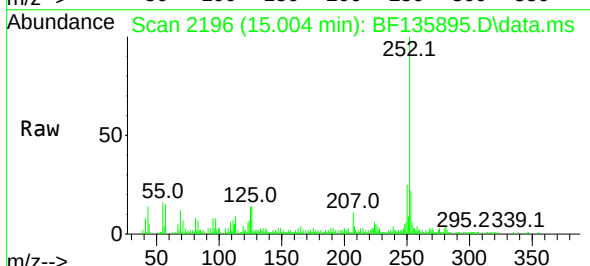
10/20/2023
Supervised By :mohammad
ahmed

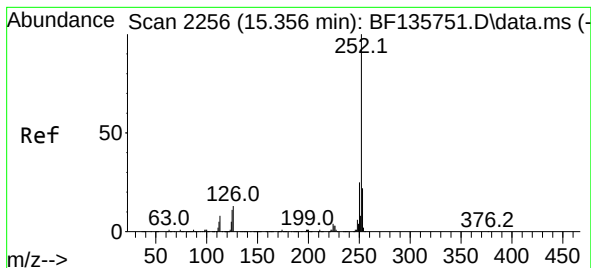
10/20/2023



#89
Benzo(k)fluoranthene
Concen: 3.704 ng m
RT: 15.004 min Scan# 2196
Delta R.T. -0.018 min
Lab File: BF135895.D
Acq: 19 Oct 2023 19:49

Tgt Ion:252 Resp: 19610
Ion Ratio Lower Upper
252 100
253 22.0 17.4 26.0
125 14.5 8.3 12.5





#90
Benzo(a)pyrene
Concen: 12.014 ng
RT: 15.356 min Scan# 210
Delta R.T. -0.006 min
Lab File: BF135895.D
Acq: 19 Oct 2023 19:49

Instrument :

BNF

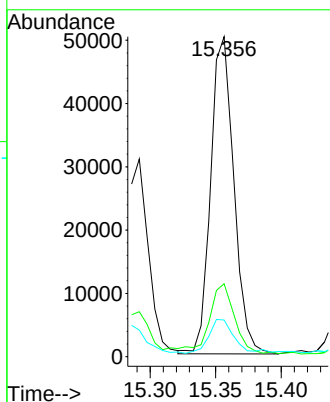
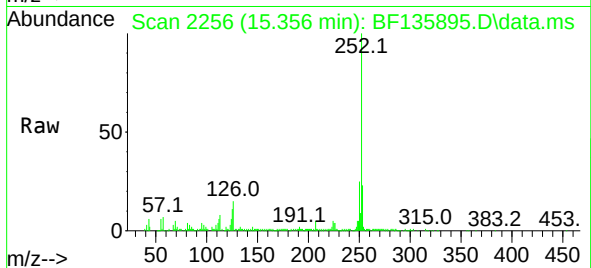
ClientSampleId :

R-3(10-15)DL

Tgt Ion:252 Resp: 61610
Ion Ratio Lower Upper
252 100
253 22.8 17.4 26.2
125 11.5 8.8 13.2

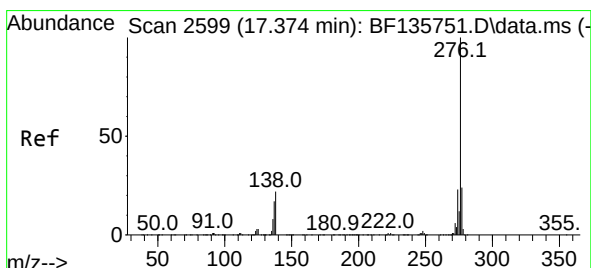
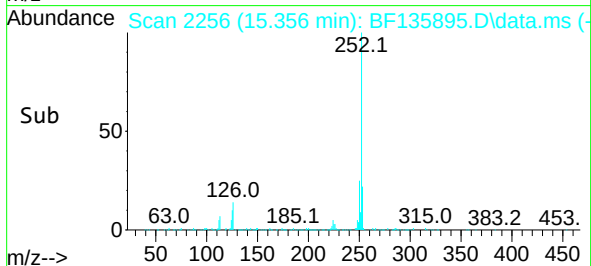
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/20/2023
Supervised By :mohammad ahmed 10/20/2023



10/20/2023
Supervised By :mohammad
ahmed

10/20/2023



#92
Benzo(g,h,i)perylene
Concen: 6.115 ng
RT: 17.386 min Scan# 2601
Delta R.T. -0.000 min
Lab File: BF135895.D
Acq: 19 Oct 2023 19:49

Tgt Ion:276 Resp: 27342
Ion Ratio Lower Upper
276 100
277 32.5 19.4 29.2#
138 23.5 17.3 25.9

