

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102422\
 Data File : BF130763.D
 Acq On : 24 Oct 2022 16:01
 Operator : CG\JU
 Sample : N5223-01DL 10X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-3-102022DL

Manual Integrations
 APPROVED

Reviewed By :Christian
 Giraldo
 10/25/2022

Supervised By :mohammad
 ahmed
 10/27/2022

Quant Time: Oct 24 23:23:41 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102022.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 21 06:12:36 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.563	152	64964	20.000	ng	0.00
21) Naphthalene-d8	7.845	136	233994	20.000	ng	0.00
39) Acenaphthene-d10	9.592	164	107264	20.000	ng	0.00
64) Phenanthrene-d10	11.074	188	162480	20.000	ng	0.00
76) Chrysene-d12	13.710	240	169717	20.000	ng	0.00
86) Perylene-d12	15.086	264	179225	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.198	112	27525	7.306	ng	0.04
7) Phenol-d6	6.245	99	34749	7.623	ng	0.02
23) Nitrobenzene-d5	7.139	82	21287	4.826	ng	0.00
42) 2,4,6-Tribromophenol	10.386	330	5811	5.697	ng	0.00
45) 2-Fluorobiphenyl	8.922	172	41112	5.841	ng	0.00
79) Terphenyl-d14	12.651	244	42959	4.266	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	7.869	128	78119	6.475	ng	99
37) 2-Methylnaphthalene	8.557	142	23025	2.913	ng	99
52) Acenaphthene	9.622	154	30946	5.431	ng	97
55) Dibenzofuran	9.798	168	37593	4.286	ng	94
58) Fluorene	10.139	166	50258	6.890	ng	99
71) Phenanthrene	11.098	178	291097	32.671	ng	100
72) Anthracene	11.151	178	92433	10.396	ng	99
73) Carbazole	11.316	167	35895	4.373	ng	98
75) Fluoranthene	12.280	202	348232	38.660	ng	99
78) Pyrene	12.510	202	308907	21.684	ng	99
81) Benzo(a)anthracene	13.698	228	202429	17.851	ng	98
83) Chrysene	13.733	228	161092	14.661	ng	98
85) Di-n-octyl phthalate	14.298	149	29444	3.335	ng	# 89
87) Indeno(1,2,3-cd)pyrene	16.386	276	64984	5.056	ng	96
88) Benzo(b)fluoranthene	14.709	252	187519m	15.714	ng	
89) Benzo(k)fluoranthene	14.733	252	83687m	6.980	ng	
90) Benzo(a)pyrene	15.033	252	143315	14.953	ng	98
92) Benzo(g,h,i)perylene	16.774	276	56131	5.269	ng	95

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

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Operator : CG\JU
Sample : N5223-01DL 10X
Misc :
ALS Vial : 8 Sample Multiplier: 1

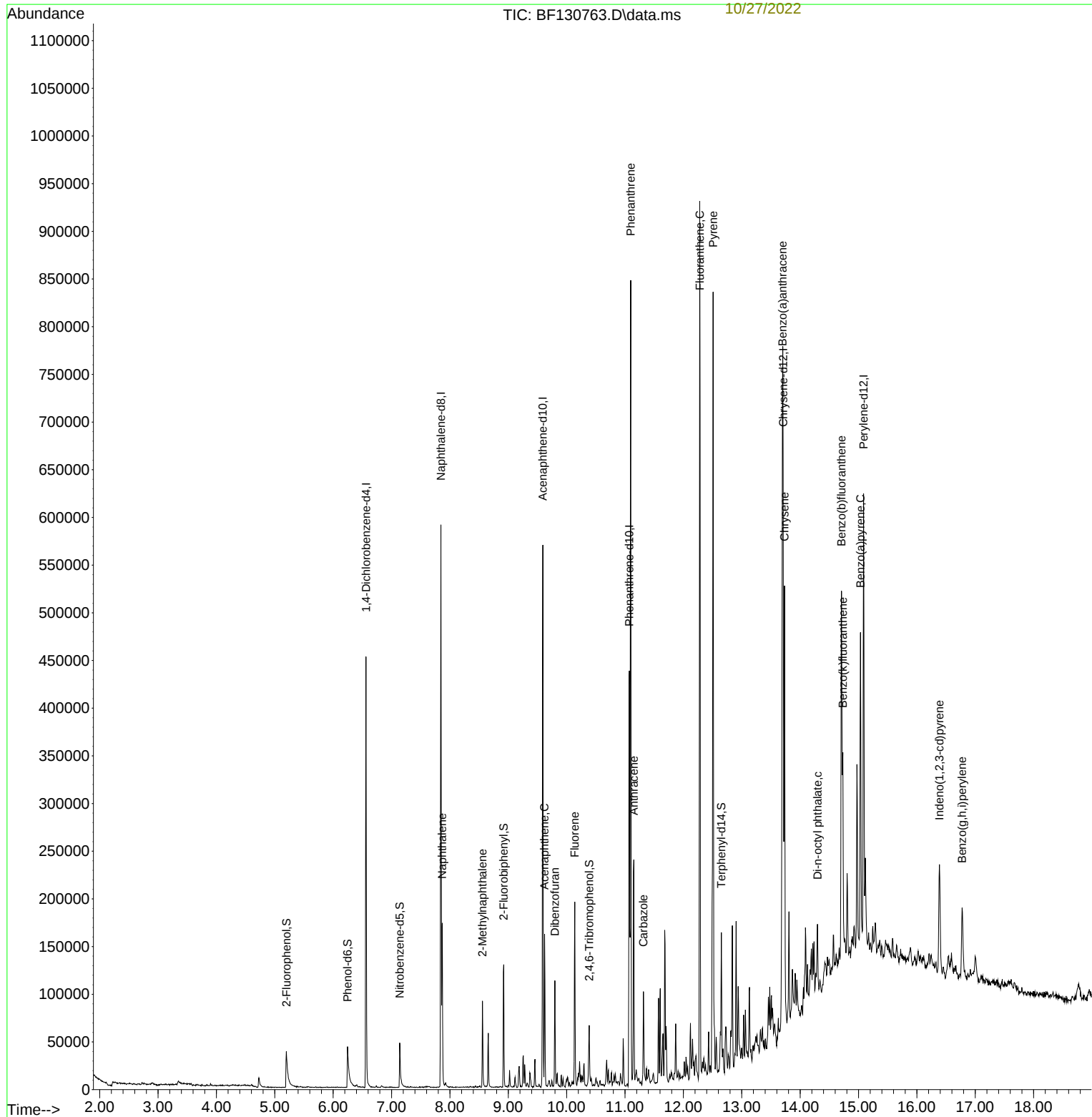
Instrument :
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OR-3-102022DL

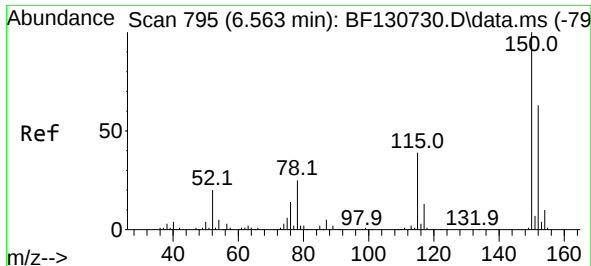
Quant Time: Oct 24 23:23:41 2022
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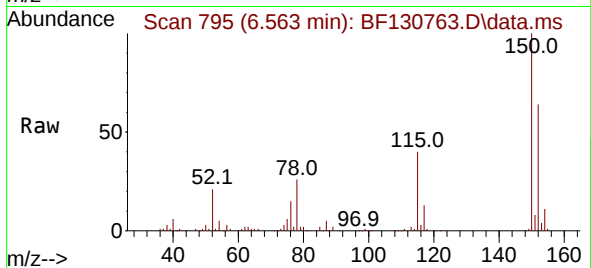
Supervised By :mohammad
ahmed
10/27/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.563 min Scan# 795
Delta R.T. -0.000 min
Lab File: BF130763.D
Acq: 24 Oct 2022 16:01

Instrument :
BNA_F
ClientSampleId :
OR-3-102022DL

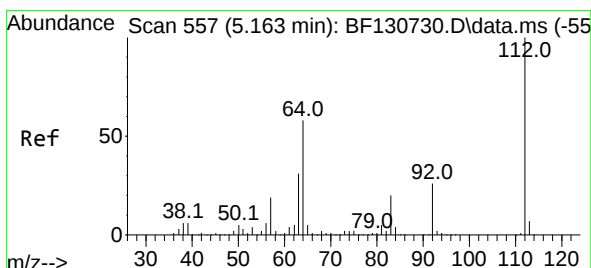
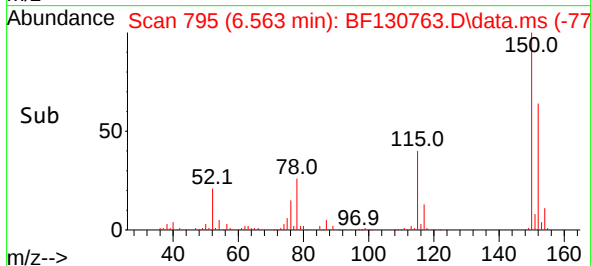
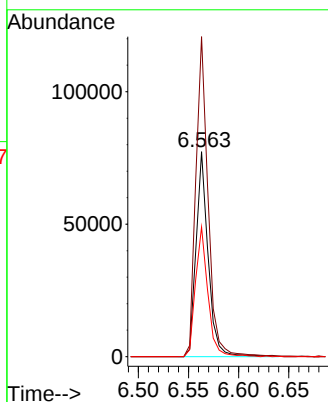


Tgt Ion:152 Resp: 64964
Ion Ratio Lower Upper
152 100
150 156.1 127.0 190.6
115 63.2 49.9 74.9

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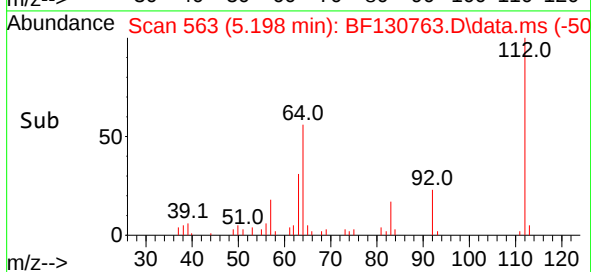
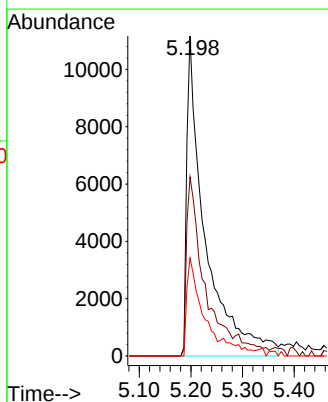
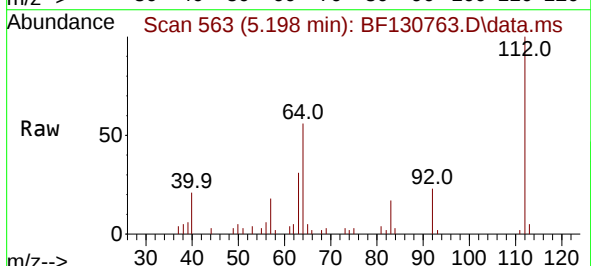
Reviewed By :Christian
Giraldo
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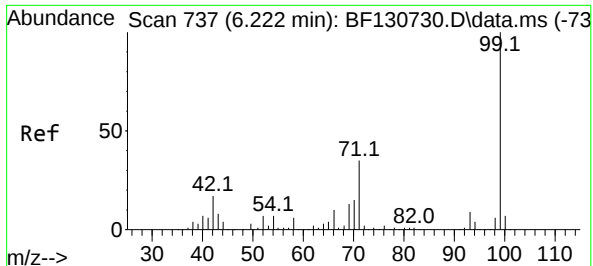
Supervised By :mohammad
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#5
2-Fluorophenol
Concen: 7.306 ng
RT: 5.198 min Scan# 563
Delta R.T. 0.035 min
Lab File: BF130763.D
Acq: 24 Oct 2022 16:01

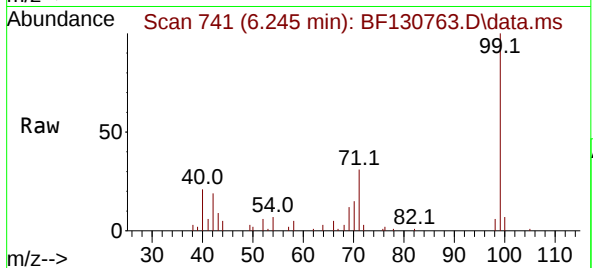
Tgt Ion:112 Resp: 27525
Ion Ratio Lower Upper
112 100
64 55.9 46.2 69.4
63 30.7 25.1 37.7





#7
Phenol-d6
Concen: 7.623 ng
RT: 6.245 min Scan# 741
Delta R.T. 0.023 min
Lab File: BF130763.D
Acq: 24 Oct 2022 16:01

Instrument :
BNA_F
ClientSampleId :
OR-3-102022DL

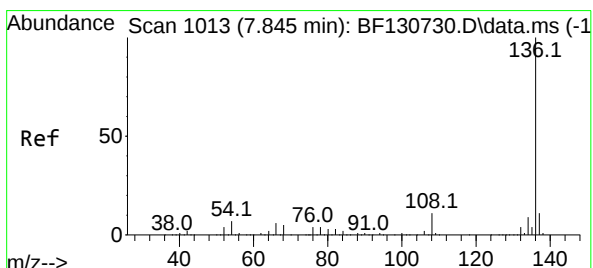
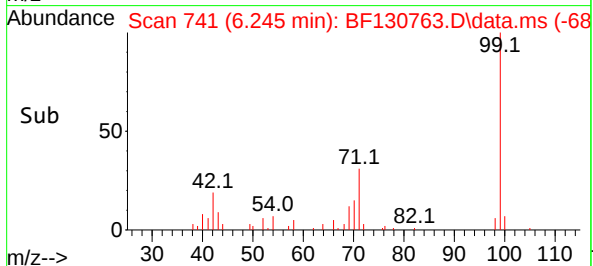
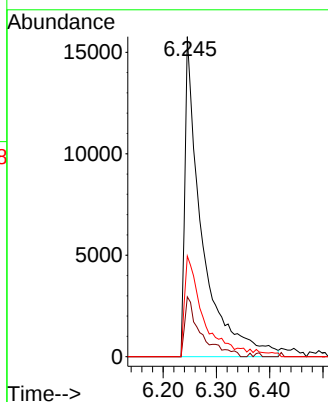


Tgt Ion: 99 Resp: 34749
Ion Ratio Lower Upper
99 100
42 18.7 13.8 20.8
71 31.5 28.3 42.5

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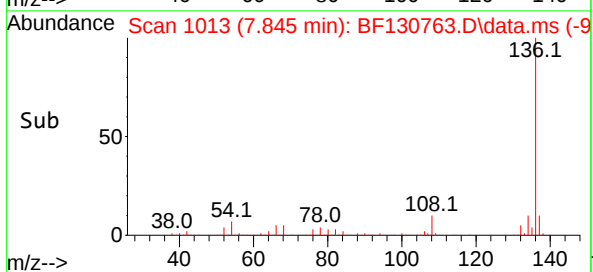
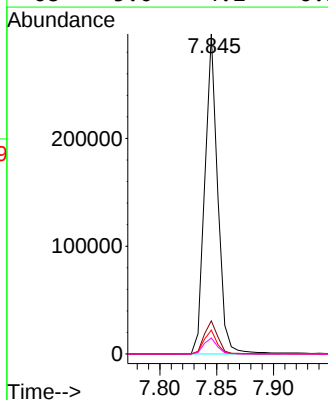
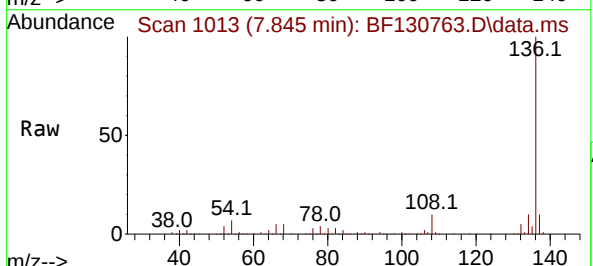
Reviewed By :Christian
Giraldo
10/25/2022

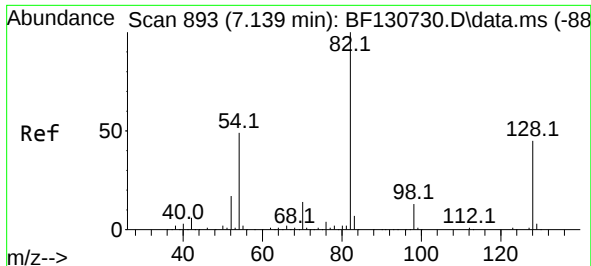
Supervised By :mohammad
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#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.845 min Scan# 1013
Delta R.T. 0.000 min
Lab File: BF130763.D
Acq: 24 Oct 2022 16:01

Tgt Ion:136 Resp: 233994
Ion Ratio Lower Upper
136 100
137 10.3 9.1 13.7
54 7.5 5.8 8.8
68 5.0 4.2 6.2





#23

Nitrobenzene-d5

Concen: 4.826 ng

RT: 7.139 min Scan# 893

Delta R.T. 0.000 min

Lab File: BF130763.D

Acq: 24 Oct 2022 16:01

Instrument :

BNA_F

ClientSampleId :

OR-3-102022DL

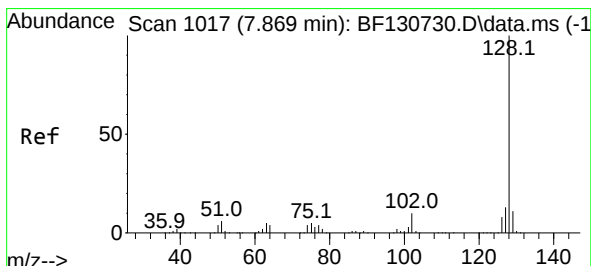
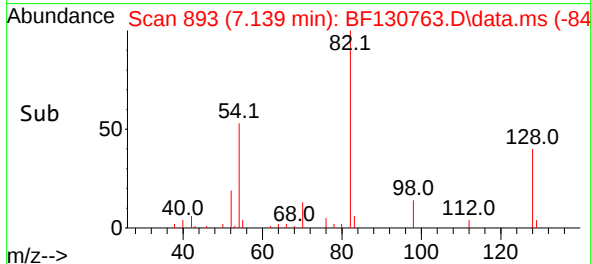
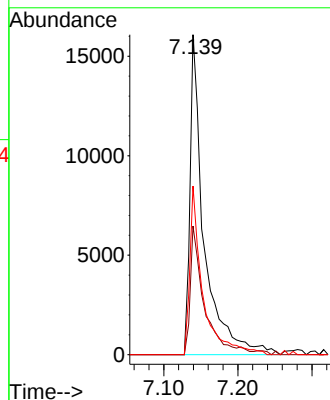
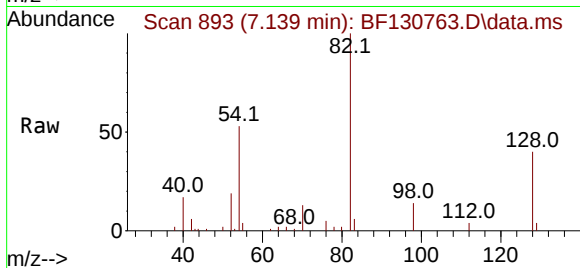
Tgt Ion: 82 Resp: 2128

Ion	Ratio	Lower	Upper
82	100		
128	40.2	35.9	53.9
54	52.7	39.2	58.8

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#31

Naphthalene

Concen: 6.475 ng

RT: 7.869 min Scan# 1017

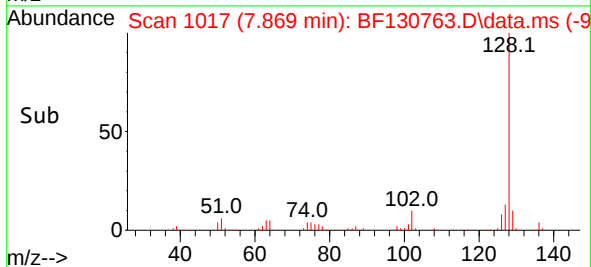
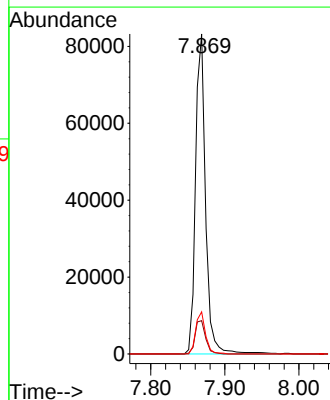
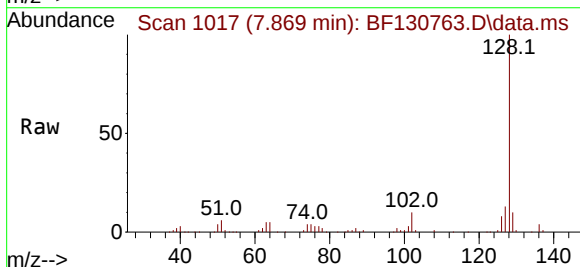
Delta R.T. -0.000 min

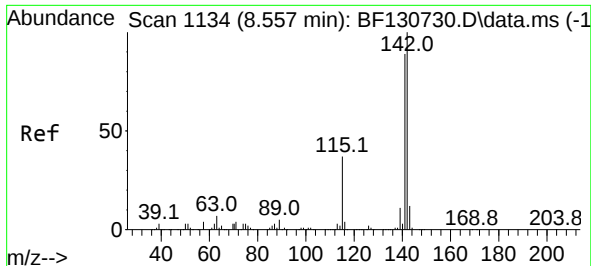
Lab File: BF130763.D

Acq: 24 Oct 2022 16:01

Tgt Ion:128 Resp: 78119

Ion	Ratio	Lower	Upper
128	100		
129	10.4	8.9	13.3
127	13.1	10.6	16.0





#37

2-Methylnaphthalene

Concen: 2.913 ng

RT: 8.557 min Scan# 1134

Delta R.T. -0.000 min

Lab File: BF130763.D

Acq: 24 Oct 2022 16:01

Instrument :

BNA_F

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OR-3-102022DL

Tgt Ion:142 Resp: 2302

Ion Ratio Lower Upper

142 100

141 87.3 71.0 106.4

Manual Integrations

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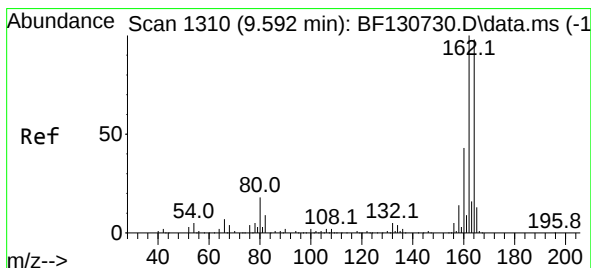
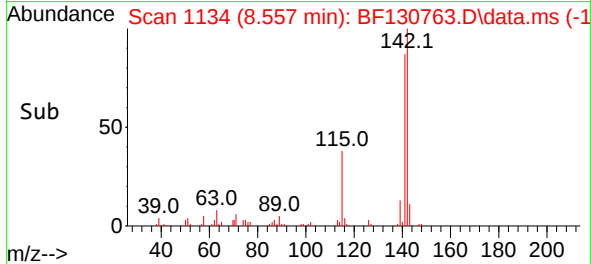
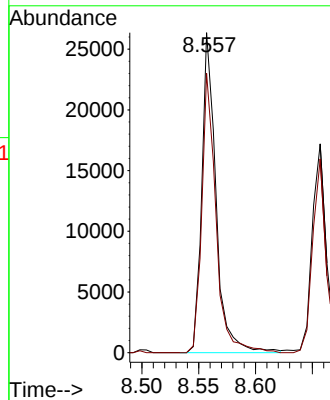
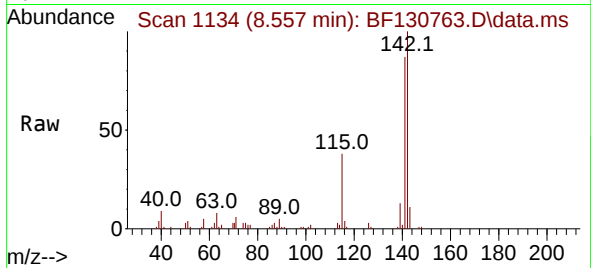
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ahmed

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.592 min Scan# 1310

Delta R.T. 0.000 min

Lab File: BF130763.D

Acq: 24 Oct 2022 16:01

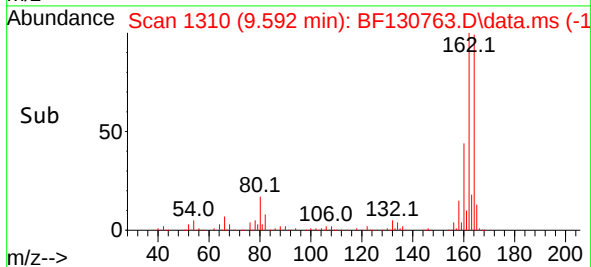
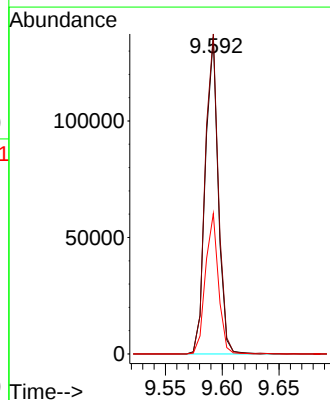
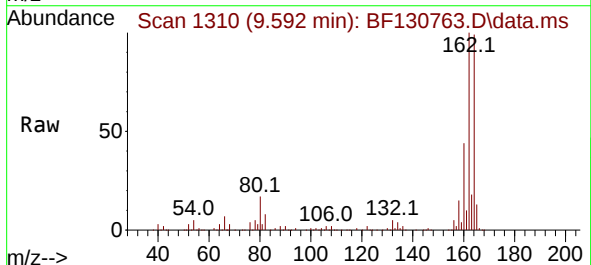
Tgt Ion:164 Resp: 107264

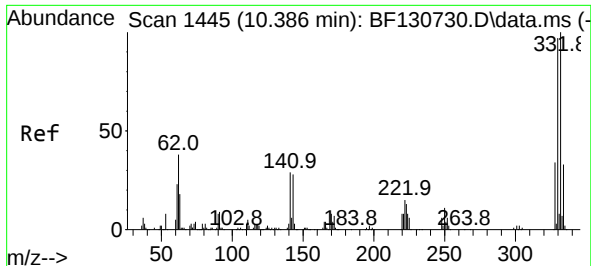
Ion Ratio Lower Upper

164 100

162 101.1 81.4 122.0

160 44.3 35.0 52.4





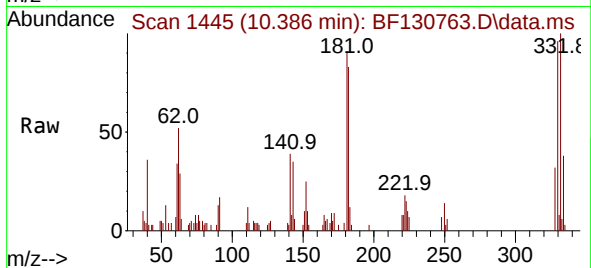
#42
2,4,6-Tribromophenol
Concen: 5.697 ng
RT: 10.386 min Scan# 1445
Delta R.T. 0.000 min
Lab File: BF130763.D
Acq: 24 Oct 2022 16:01

Instrument :

BNA_F

ClientSampleId :

OR-3-102022DL



Tgt Ion: 330 Resp: 581
Ion Ratio Lower Upper
330 100
332 111.3 81.4 122.2
141 44.1 24.6 37.0

Manual Integrations

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Reviewed By : Christian

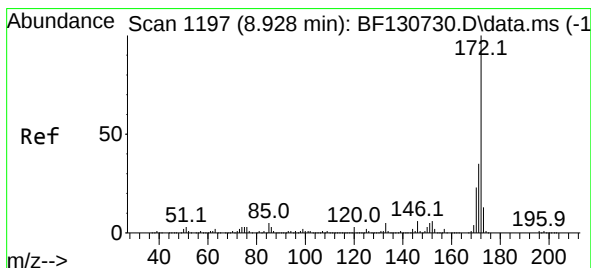
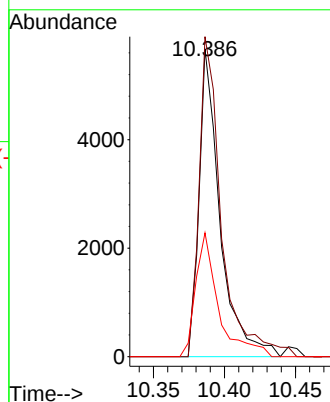
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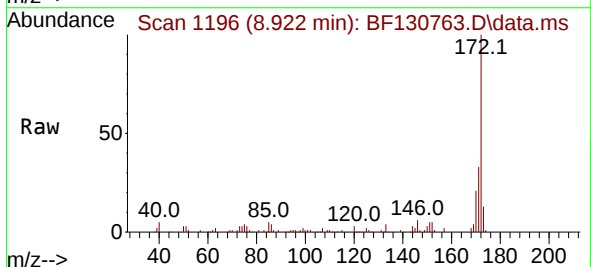
Supervised By : mohammad

ahmed

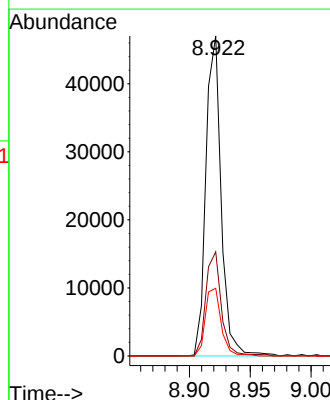
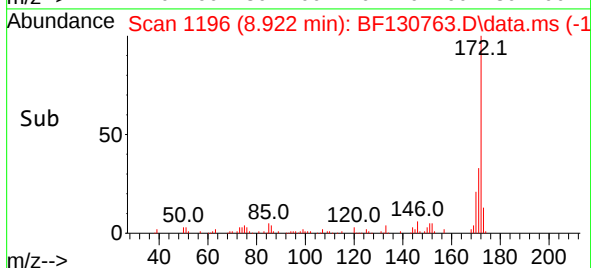
10/27/2022

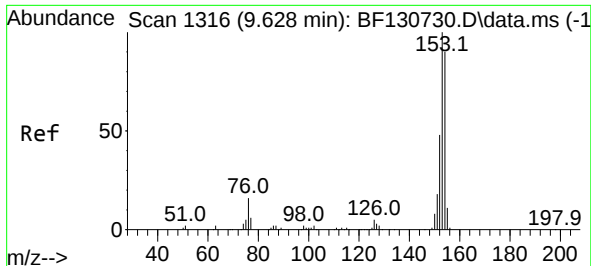


#45
2-Fluorobiphenyl
Concen: 5.841 ng
RT: 8.922 min Scan# 1196
Delta R.T. -0.006 min
Lab File: BF130763.D
Acq: 24 Oct 2022 16:01



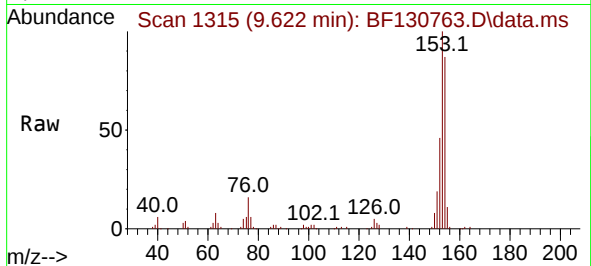
Tgt Ion: 172 Resp: 41112
Ion Ratio Lower Upper
172 100
171 32.6 28.2 42.2
170 21.2 18.5 27.7





#52
Acenaphthene
Concen: 5.431 ng
RT: 9.622 min Scan# 1316
Delta R.T. -0.006 min
Lab File: BF130763.D
Acq: 24 Oct 2022 16:01

Instrument :
BNA_F
ClientSampleId :
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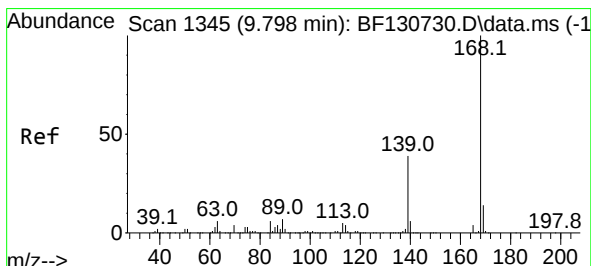
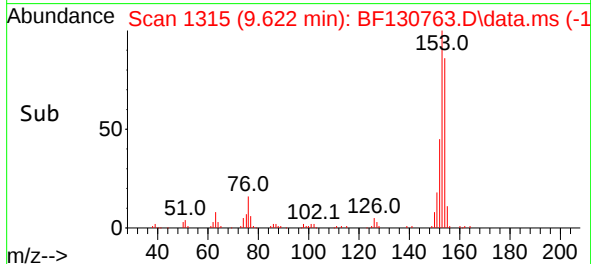
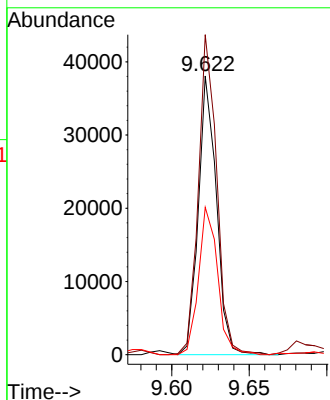


Tgt Ion:154 Resp: 30940
Ion Ratio Lower Upper
154 100
153 114.8 88.4 132.6
152 52.9 42.0 63.0

Manual Integrations
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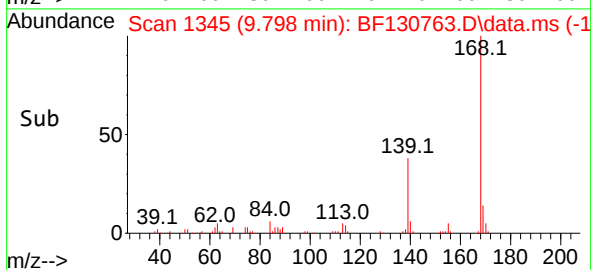
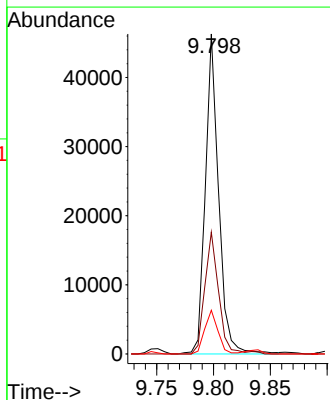
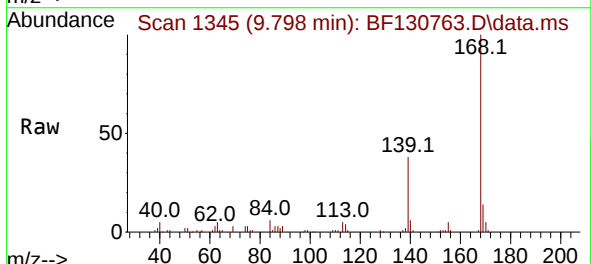
Reviewed By :Christian
Giraldo
10/25/2022

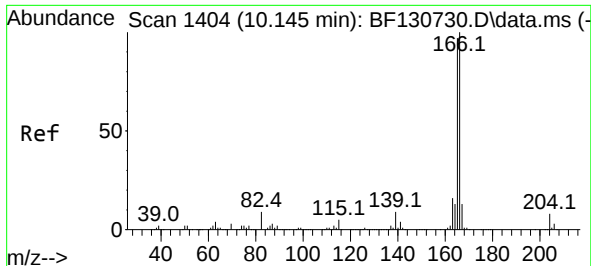
Supervised By :mohammad
ahmed
10/27/2022



#55
Dibenzofuran
Concen: 4.286 ng
RT: 9.798 min Scan# 1345
Delta R.T. -0.000 min
Lab File: BF130763.D
Acq: 24 Oct 2022 16:01

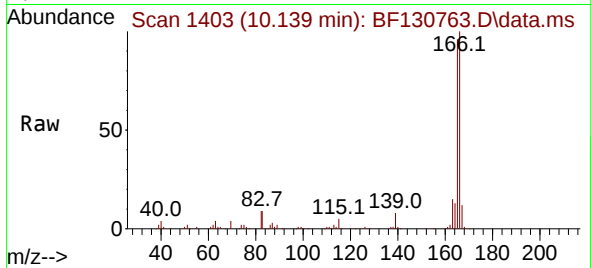
Tgt Ion:168 Resp: 37593
Ion Ratio Lower Upper
168 100
139 38.1 34.3 51.5
169 13.7 11.0 16.6





#58
Fluorene
Concen: 6.890 ng
RT: 10.139 min Scan# 1403
Delta R.T. -0.006 min
Lab File: BF130763.D
Acq: 24 Oct 2022 16:01

Instrument :
BNA_F
ClientSampleId :
OR-3-102022DL

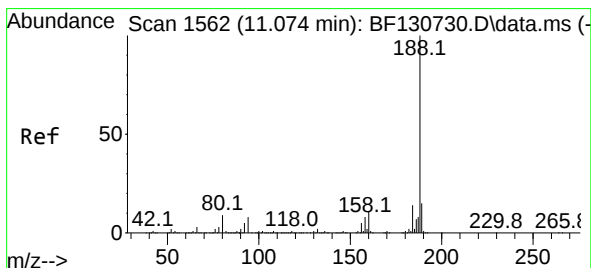
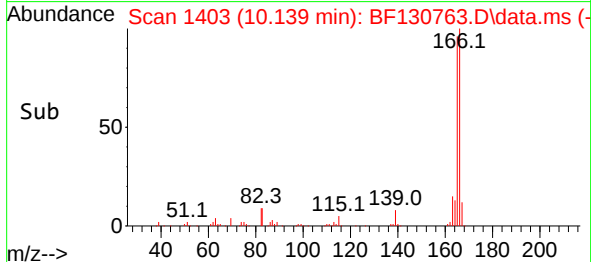
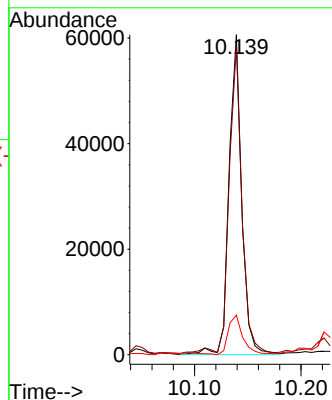


Tgt Ion:166 Resp: 50258
Ion Ratio Lower Upper
166 100
165 96.4 77.6 116.4
167 12.4 10.3 15.5

Manual Integrations
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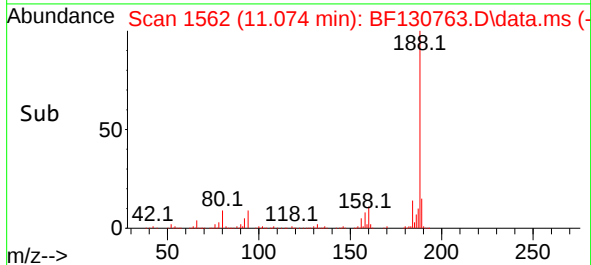
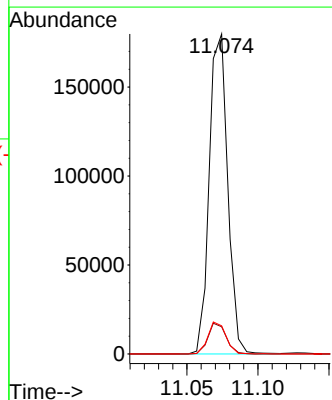
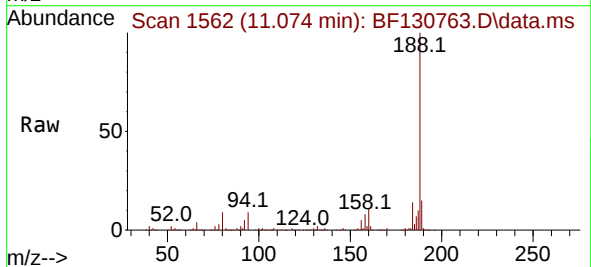
Reviewed By :Christian
Giraldo
10/25/2022

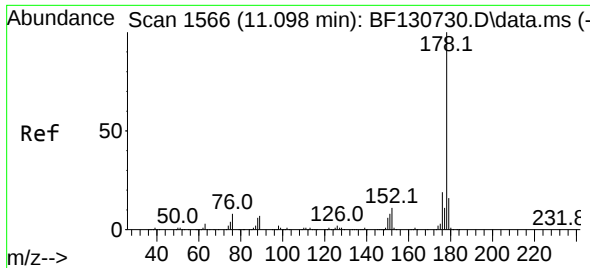
Supervised By :mohammad
ahmed
10/27/2022



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.074 min Scan# 1562
Delta R.T. -0.000 min
Lab File: BF130763.D
Acq: 24 Oct 2022 16:01

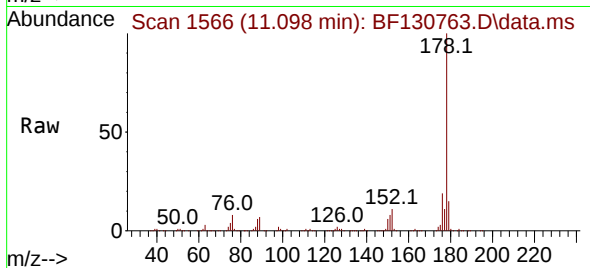
Tgt Ion:188 Resp: 162480
Ion Ratio Lower Upper
188 100
94 8.5 6.7 10.1
80 8.8 7.4 11.0





#71
Phenanthrene
Concen: 32.671 ng
RT: 11.098 min Scan# 1566
Delta R.T. -0.000 min
Lab File: BF130763.D
Acq: 24 Oct 2022 16:01

Instrument :
BNA_F
ClientSampleId :
OR-3-102022DL

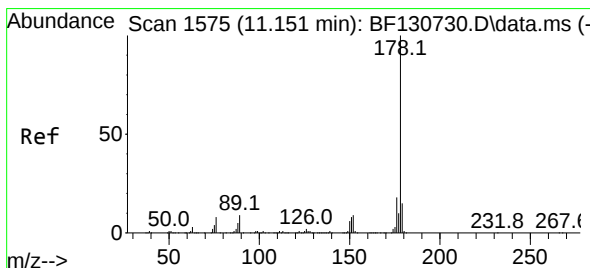
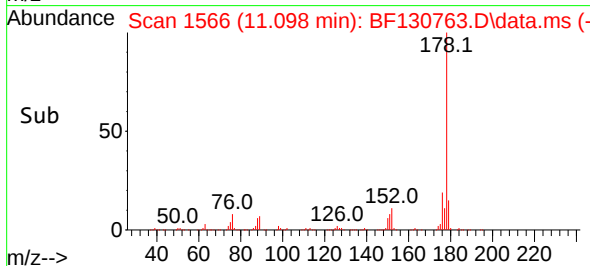
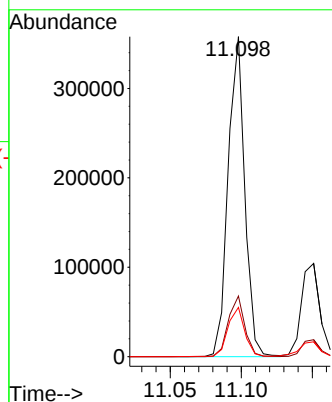


Tgt Ion:178 Resp: 29109
Ion Ratio Lower Upper
178 100
176 19.0 15.1 22.7
179 15.4 12.4 18.6

Manual Integrations
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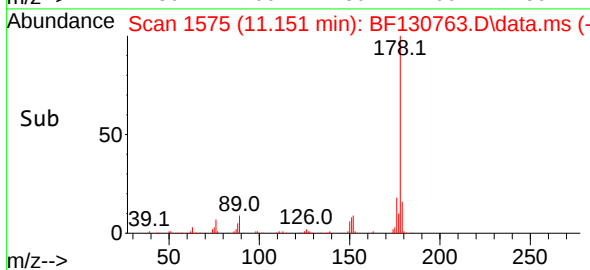
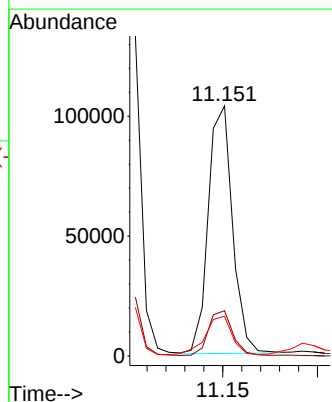
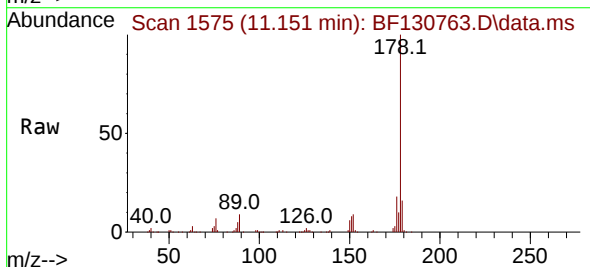
Reviewed By :Christian
Giraldo
10/25/2022

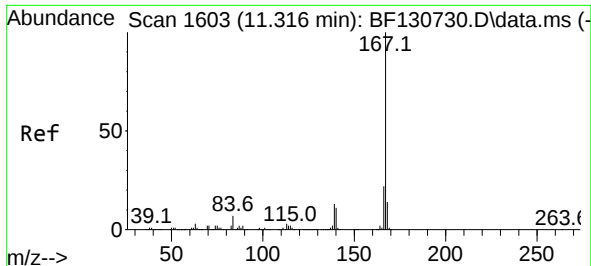
Supervised By :mohammad
ahmed
10/27/2022



#72
Anthracene
Concen: 10.396 ng
RT: 11.151 min Scan# 1575
Delta R.T. -0.000 min
Lab File: BF130763.D
Acq: 24 Oct 2022 16:01

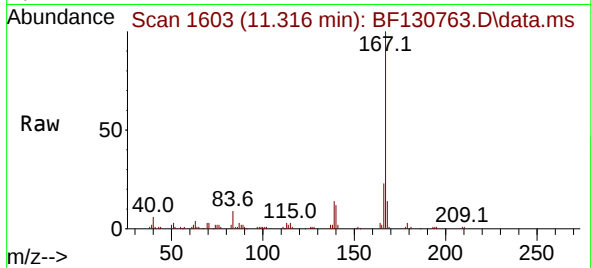
Tgt Ion:178 Resp: 92433
Ion Ratio Lower Upper
178 100
176 18.1 14.6 21.8
179 15.9 12.4 18.6





#73
 Carbazole
 Concen: 4.373 ng
 RT: 11.316 min Scan# 1603
 Delta R.T. -0.000 min
 Lab File: BF130763.D
 Acq: 24 Oct 2022 16:01

Instrument :
 BNA_F
 ClientSampleId :
 OR-3-102022DL

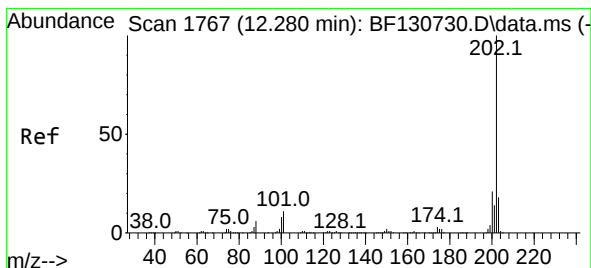
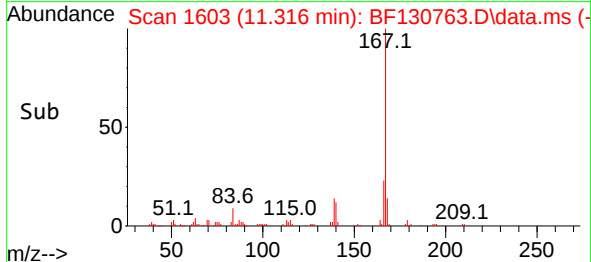
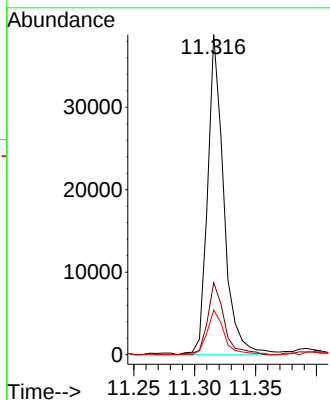


Tgt Ion:167 Resp: 35895
 Ion Ratio Lower Upper
 167 100
 166 22.5 17.3 25.9
 139 13.9 10.7 16.1

Manual Integrations
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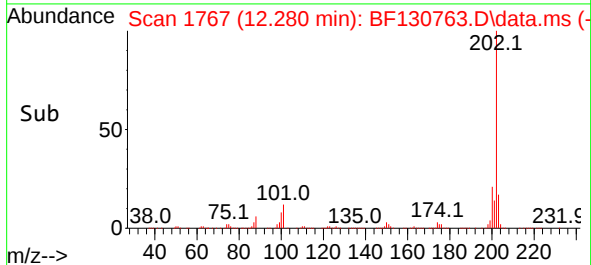
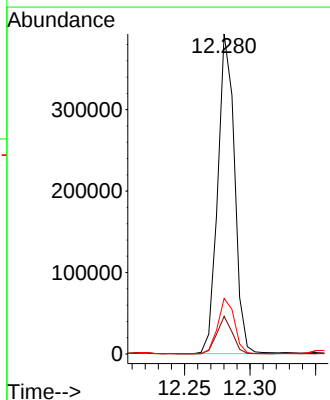
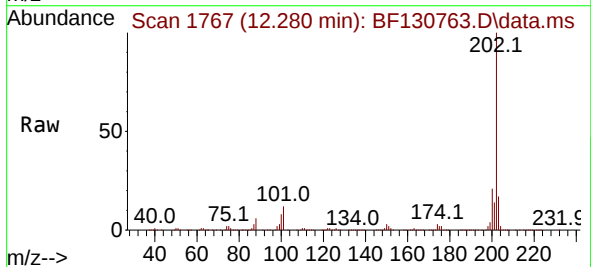
Reviewed By :Christian
 Giraldo
 10/25/2022

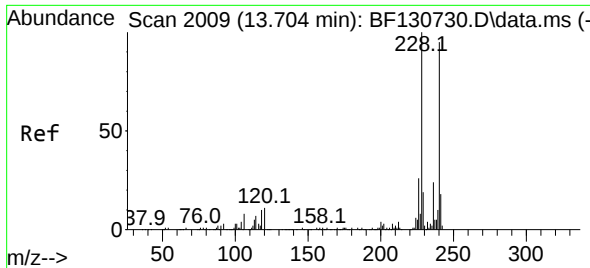
Supervised By :mohammad
 ahmed
 10/27/2022



#75
 Fluoranthene
 Concen: 38.660 ng
 RT: 12.280 min Scan# 1767
 Delta R.T. -0.000 min
 Lab File: BF130763.D
 Acq: 24 Oct 2022 16:01

Tgt Ion:202 Resp: 348232
 Ion Ratio Lower Upper
 202 100
 101 11.7 0.0 31.0
 203 17.4 0.0 37.6





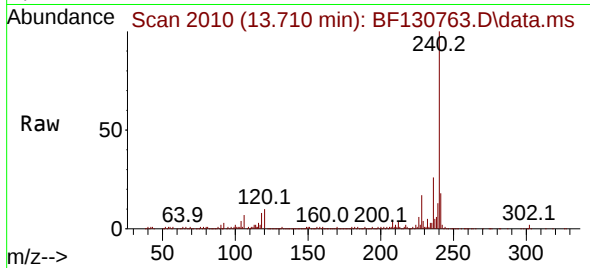
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.710 min Scan# 2009
Delta R.T. 0.006 min
Lab File: BF130763.D
Acq: 24 Oct 2022 16:01

Instrument :

BNA_F

ClientSampleId :

OR-3-102022DL



Tgt Ion:240 Resp: 16971
Ion Ratio Lower Upper
240 100
120 10.2 9.6 14.4
236 25.9 20.2 30.2

Manual Integrations

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Reviewed By :Christian

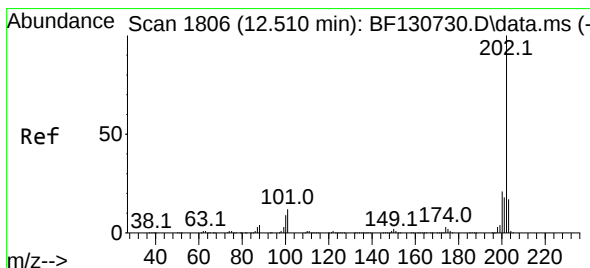
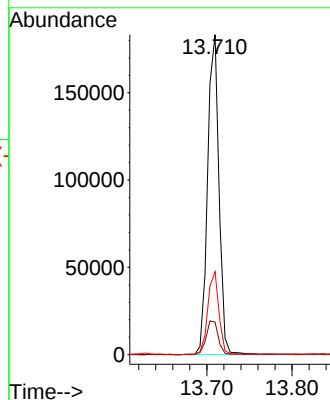
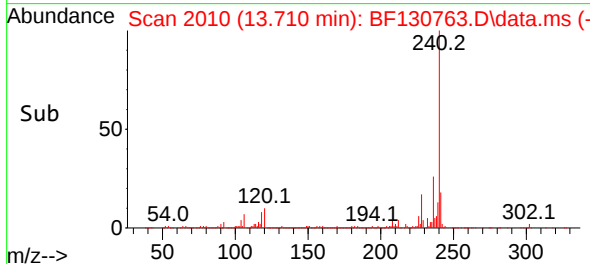
Giraldo

10/25/2022

Supervised By :mohammad

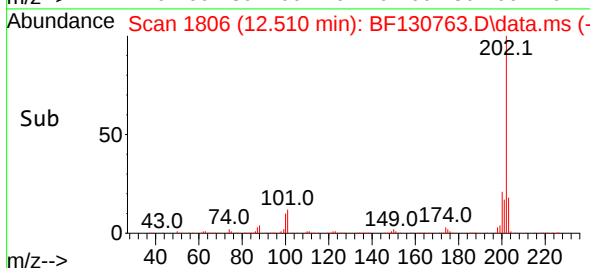
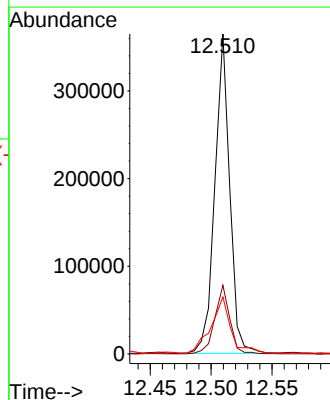
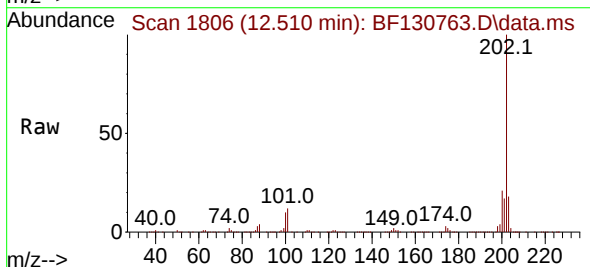
ahmed

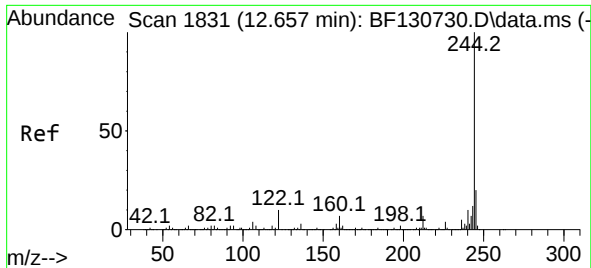
10/27/2022



#78
Pyrene
Concen: 21.684 ng
RT: 12.510 min Scan# 1806
Delta R.T. -0.000 min
Lab File: BF130763.D
Acq: 24 Oct 2022 16:01

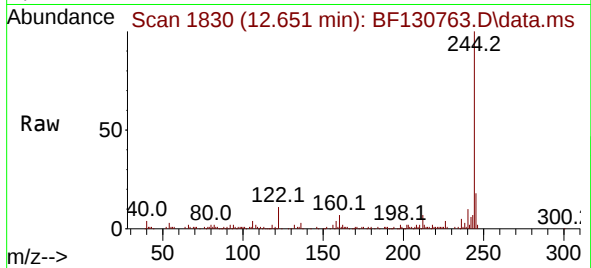
Tgt Ion:202 Resp: 308907
Ion Ratio Lower Upper
202 100
200 21.4 16.8 25.2
203 17.8 13.8 20.8





#79
 Terphenyl-d14
 Concen: 4.266 ng
 RT: 12.651 min Scan# 1831
 Delta R.T. -0.006 min
 Lab File: BF130763.D
 Acq: 24 Oct 2022 16:01

Instrument :
 BNA_F
 ClientSampleId :
 OR-3-102022DL

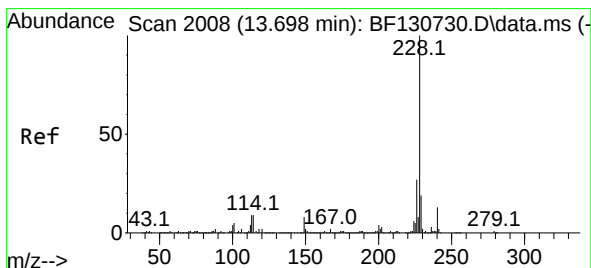
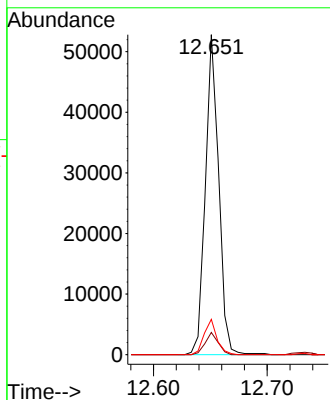
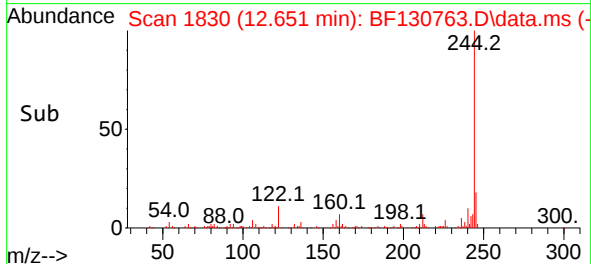


Tgt Ion:244 Resp: 42958
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.4 8.0
 122 11.0 8.2 12.4

Manual Integrations
 APPROVED

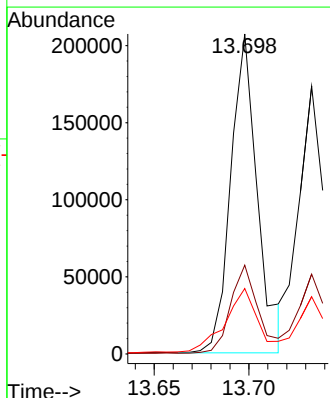
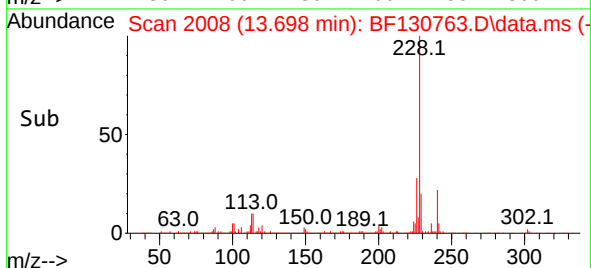
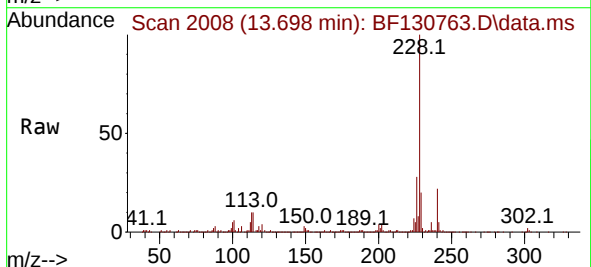
Reviewed By :Christian
 Giraldo
 10/25/2022

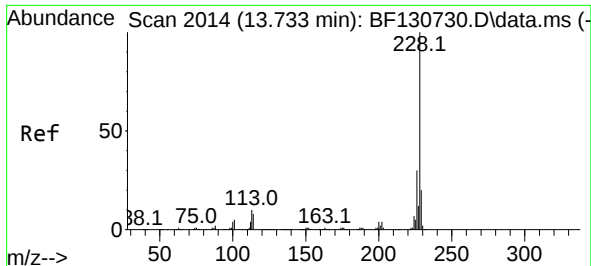
Supervised By :mohammad
 ahmed
 10/27/2022



#81
 Benzo(a)anthracene
 Concen: 17.851 ng
 RT: 13.698 min Scan# 2008
 Delta R.T. -0.000 min
 Lab File: BF130763.D
 Acq: 24 Oct 2022 16:01

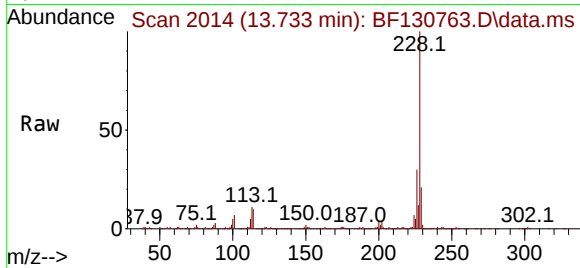
Tgt Ion:228 Resp: 202429
 Ion Ratio Lower Upper
 228 100
 226 27.8 21.8 32.8
 229 20.4 15.4 23.2





#83
Chrysene
Concen: 14.661 ng
RT: 13.733 min Scan# 2014
Delta R.T. -0.000 min
Lab File: BF130763.D
Acq: 24 Oct 2022 16:01

Instrument :
BNA_F
ClientSampleId :
OR-3-102022DL

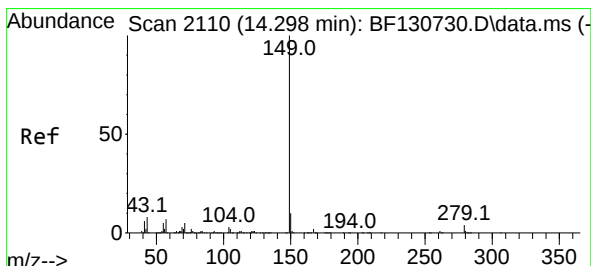
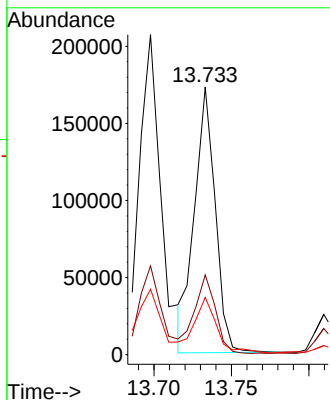
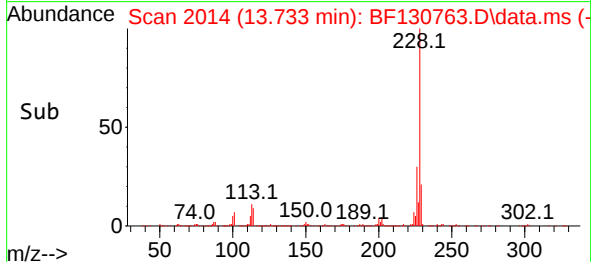


Tgt Ion:228 Resp: 161092
Ion Ratio Lower Upper
228 100
226 29.8 23.6 35.4
229 21.4 15.8 23.6

Manual Integrations
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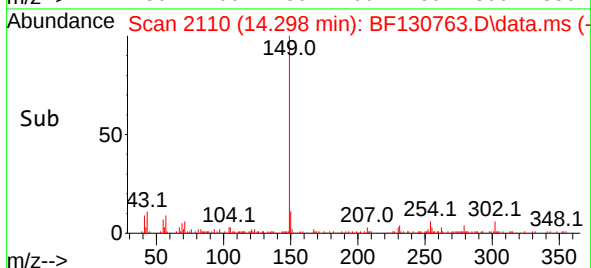
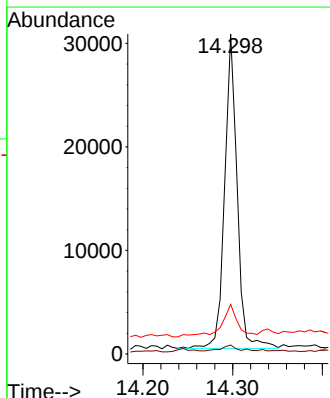
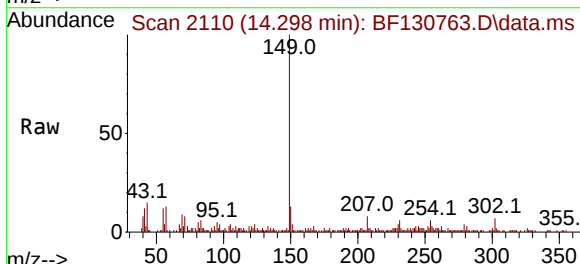
Reviewed By :Christian
Giraldo
10/25/2022

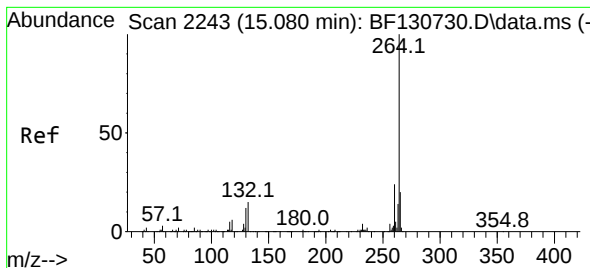
Supervised By :mohammad
ahmed
10/27/2022



#85
Di-n-octyl phthalate
Concen: 3.335 ng
RT: 14.298 min Scan# 2110
Delta R.T. -0.000 min
Lab File: BF130763.D
Acq: 24 Oct 2022 16:01

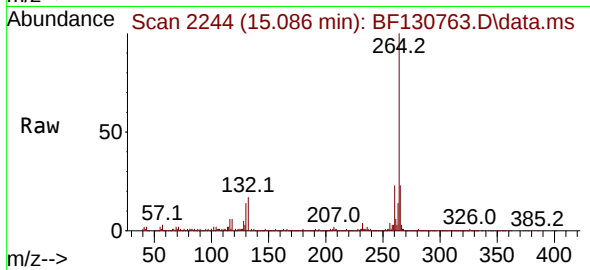
Tgt Ion:149 Resp: 29444
Ion Ratio Lower Upper
149 100
167 2.3 1.2 1.8#
43 13.4 7.0 10.4#





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.086 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF130763.D
Acq: 24 Oct 2022 16:01

Instrument :
BNA_F
ClientSampleId :
OR-3-102022DL

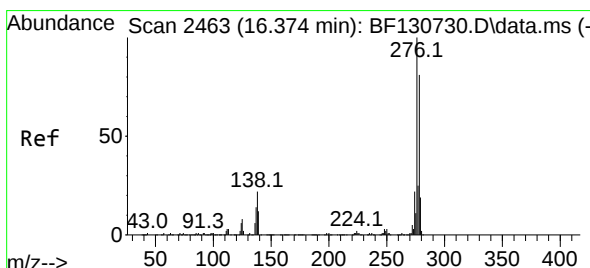
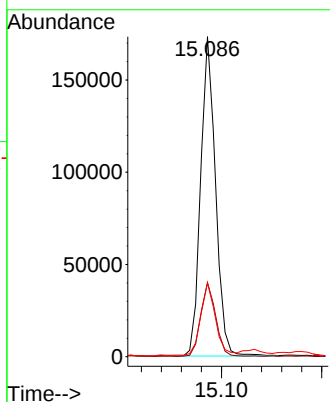
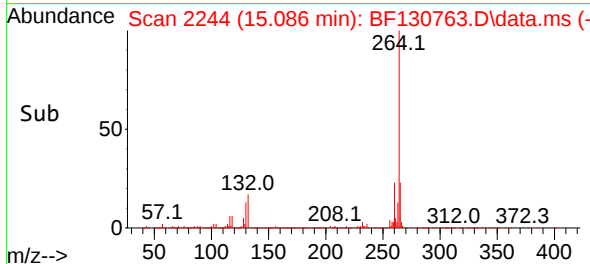


Tgt Ion:264 Resp: 179225
Ion Ratio Lower Upper
264 100
260 23.2 18.8 28.2
265 23.1 16.2 24.4

Manual Integrations
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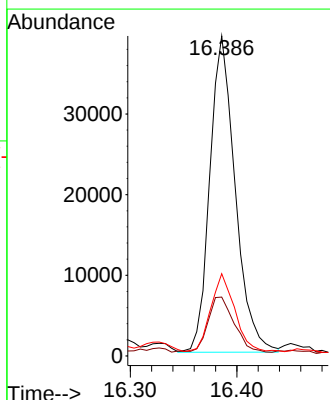
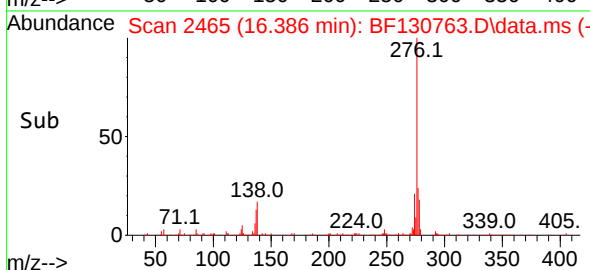
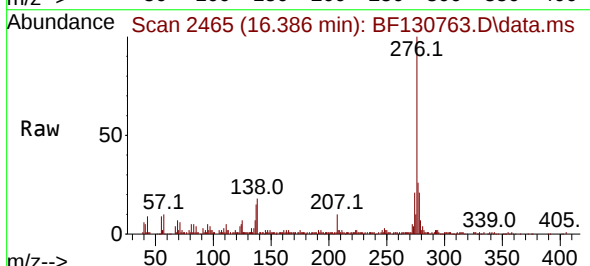
Reviewed By :Christian
Giraldo
10/25/2022

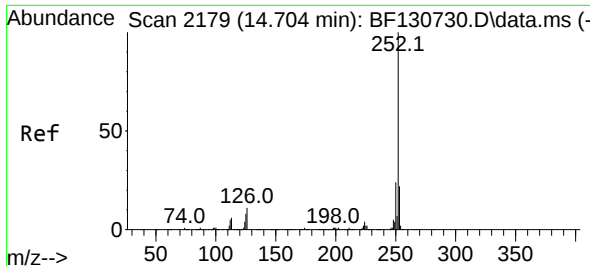
Supervised By :mohammad
ahmed
10/27/2022



#87
Indeno(1,2,3-cd)pyrene
Concen: 5.056 ng
RT: 16.386 min Scan# 2465
Delta R.T. 0.012 min
Lab File: BF130763.D
Acq: 24 Oct 2022 16:01

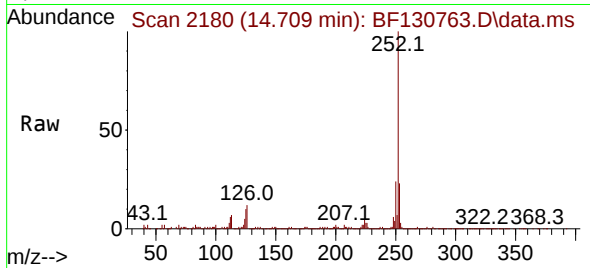
Tgt Ion:276 Resp: 64984
Ion Ratio Lower Upper
276 100
138 18.5 17.2 25.8
277 23.9 20.1 30.1





#88
Benzo(b)fluoranthene
Concen: 15.714 ng m
RT: 14.709 min Scan# 2179
Delta R.T. 0.006 min
Lab File: BF130763.D
Acq: 24 Oct 2022 16:01

Instrument :
BNA_F
ClientSampleId :
OR-3-102022DL

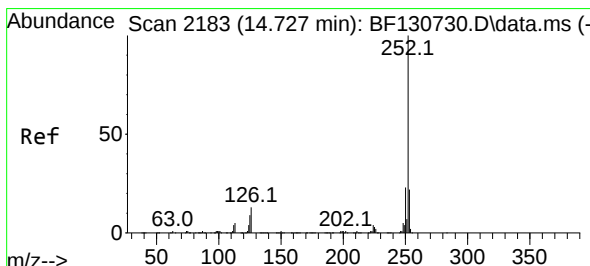
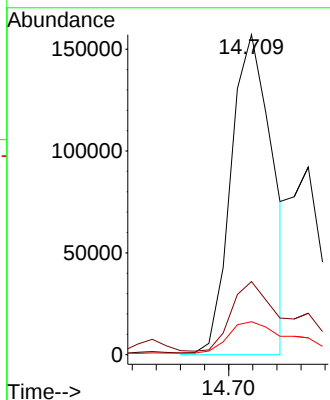
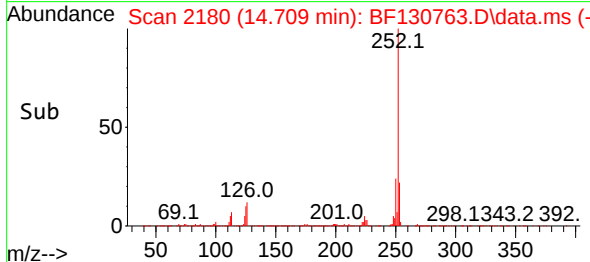


Tgt Ion:252 Resp: 187519
Ion Ratio Lower Upper
252 100
253 22.9 17.4 26.0
125 10.3 6.4 9.6

Manual Integrations
APPROVED

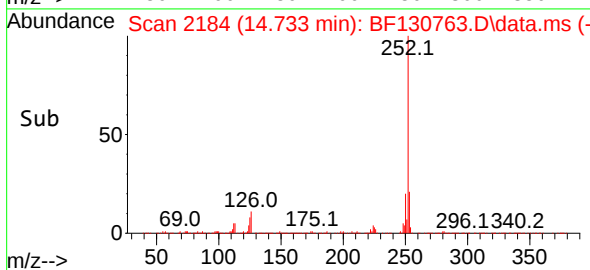
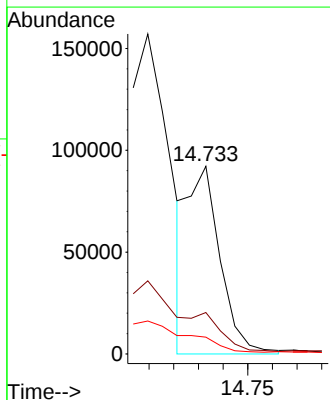
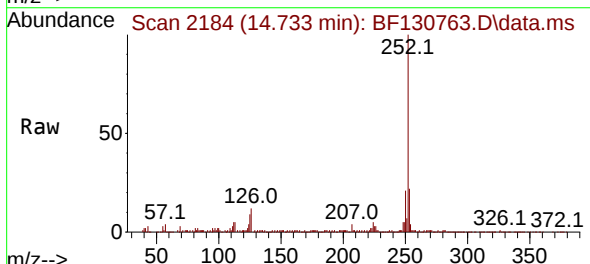
Reviewed By :Christian
Giraldo
10/25/2022

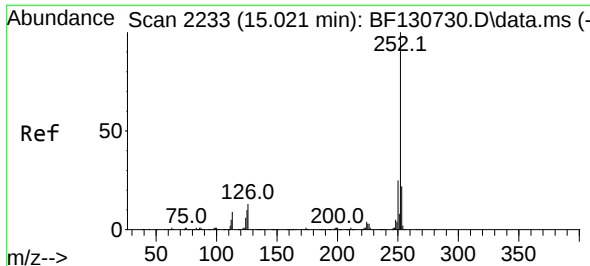
Supervised By :mohammad
ahmed
10/27/2022



#89
Benzo(k)fluoranthene
Concen: 6.980 ng m
RT: 14.733 min Scan# 2184
Delta R.T. 0.006 min
Lab File: BF130763.D
Acq: 24 Oct 2022 16:01

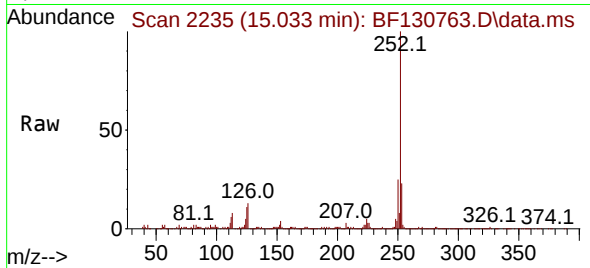
Tgt Ion:252 Resp: 83687
Ion Ratio Lower Upper
252 100
253 22.1 17.7 26.5
125 8.9 7.2 10.8





#90
Benzo(a)pyrene
Concen: 14.953 ng
RT: 15.033 min Scan# 21
Delta R.T. 0.012 min
Lab File: BF130763.D
Acq: 24 Oct 2022 16:01

Instrument :
BNA_F
ClientSampleId :
OR-3-102022DL

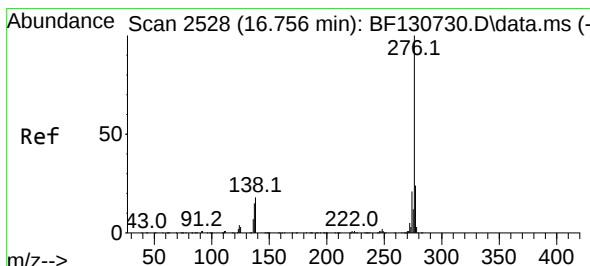
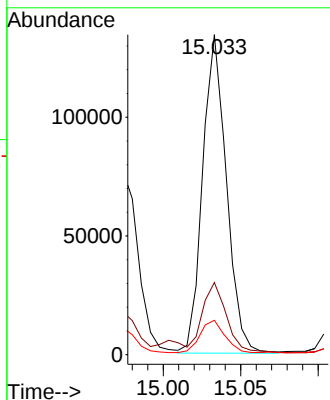
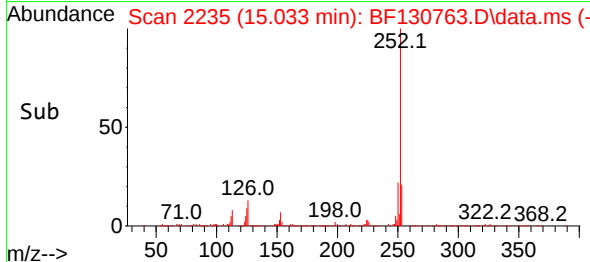


Tgt Ion:252 Resp: 14331
Ion Ratio Lower Upper
252 100
253 22.6 17.4 26.0
125 10.7 8.3 12.5

Manual Integrations
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Reviewed By :Christian
Giraldo
10/25/2022

Supervised By :mohammad
ahmed
10/27/2022



#92
Benzo(g,h,i)perylene
Concen: 5.269 ng
RT: 16.774 min Scan# 2531
Delta R.T. 0.018 min
Lab File: BF130763.D
Acq: 24 Oct 2022 16:01

Tgt Ion:276 Resp: 56131
Ion Ratio Lower Upper
276 100
277 26.5 19.1 28.7
138 19.8 14.2 21.2

