

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102422\
 Data File : BF130760.D
 Acq On : 24 Oct 2022 14:26
 Operator : CG\JU
 Sample : N5202-01DL 10X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SU-04-101922DL

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 10/25/2022
 Supervised By : mohammad ahmed 10/27/2022

Quant Time: Oct 24 17:30:56 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	75527	20.000	ng	0.00
21) Naphthalene-d8	7.845	136	289314	20.000	ng	0.00
39) Acenaphthene-d10	9.592	164	142434	20.000	ng	0.00
64) Phenanthrene-d10	11.075	188	200037	20.000	ng	0.00
76) Chrysene-d12	13.710	240	143793	20.000	ng	0.00
86) Perylene-d12	15.086	264	172299	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.187	112	41751	9.532	ng	0.02
7) Phenol-d6	6.240	99	55741	10.519	ng	0.02
23) Nitrobenzene-d5	7.140	82	34336	6.296	ng	0.00
42) 2,4,6-Tribromophenol	10.386	330	8860	6.541	ng	0.00
45) 2-Fluorobiphenyl	8.922	172	69108	7.394	ng	0.00
79) Terphenyl-d14	12.651	244	52735	6.180	ng	0.00
Target Compounds					Qvalue	
31) Naphthalene	7.869	128	169360	11.353	ng	99
37) 2-Methylnaphthalene	8.557	142	55968	5.726	ng	96
38) 1-Methylnaphthalene	8.657	142	45005	4.644	ng	98
52) Acenaphthene	9.622	154	41841	5.530	ng	96
55) Dibenzofuran	9.798	168	75632	6.494	ng	97
58) Fluorene	10.139	166	108971	11.250	ng	97
71) Phenanthrene	11.098	178	601274	54.813	ng	100
72) Anthracene	11.151	178	133775	12.221	ng	100
73) Carbazole	11.316	167	89575	8.863	ng	98
75) Fluoranthene	12.286	202	439978	39.675	ng	100
78) Pyrene	12.510	202	354609	29.380	ng	99
81) Benzo(a)anthracene	13.698	228	217569	22.645	ng	97
83) Chrysene	13.733	228	182922	19.649	ng	97
87) Indeno(1,2,3-cd)pyrene	16.386	276	82665	6.690	ng	96
88) Benzo(b)fluoranthene	14.710	252	193664m	16.881	ng	
89) Benzo(k)fluoranthene	14.733	252	55999m	4.859	ng	
90) Benzo(a)pyrene	15.033	252	143120	15.533	ng	97
91) Dibenzo(a,h)anthracene	16.386	278	20804m	2.037	ng	
92) Benzo(g,h,i)perylene	16.774	276	72587	7.088	ng	96

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

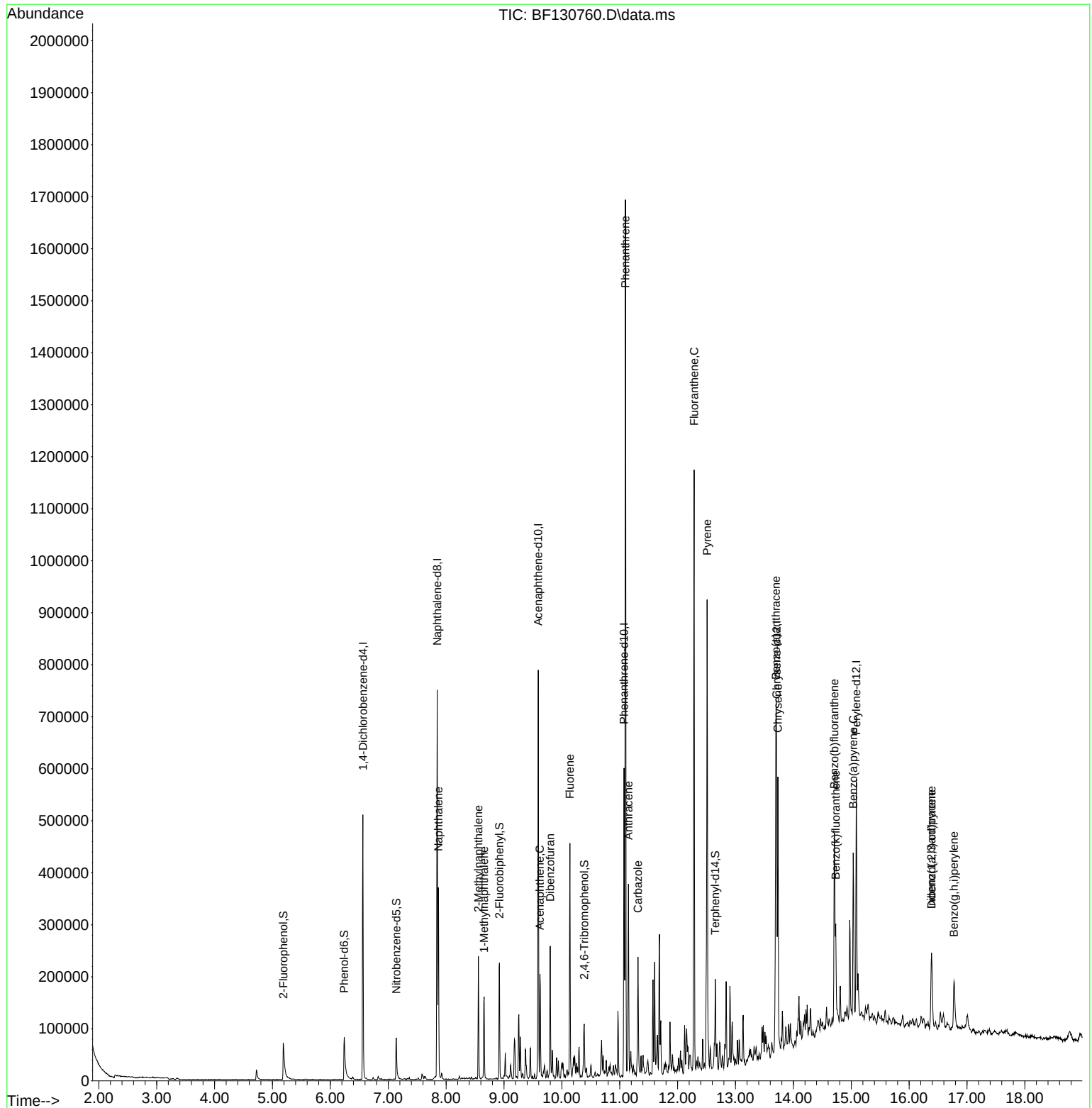
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102422\
Data File : BF130760.D
Acq On : 24 Oct 2022 14:26
Operator : CG\JU
Sample : N5202-01DL 10X
Misc :
ALS Vial : 5 Sample Multiplier: 1

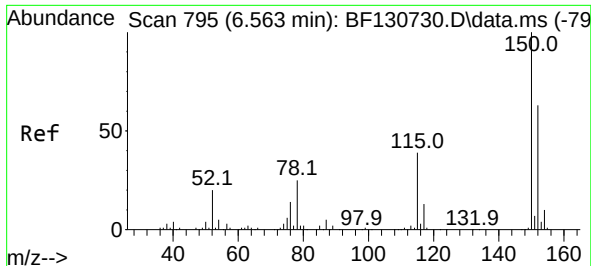
Instrument :
BNA_F
ClientSampleId :
SU-04-101922DL

Manual Integrations
APPROVED

Reviewed By : Christian Giraldo 10/25/2022
Supervised By : mohammad ahmed 10/27/2022

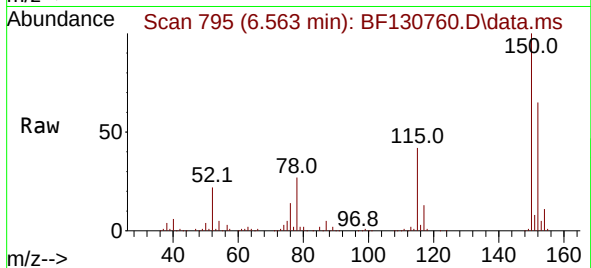
Quant Time: Oct 24 17:30:56 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102022.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 21 06:12:36 2022
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.563 min Scan# 795
Delta R.T. 0.000 min
Lab File: BF130760.D
Acq: 24 Oct 2022 14:26

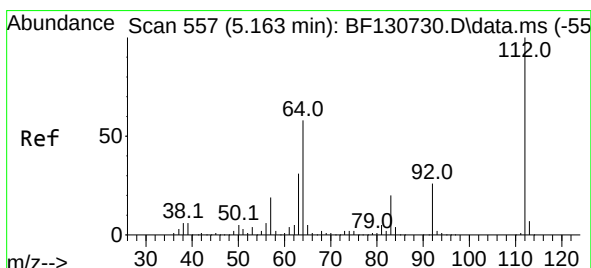
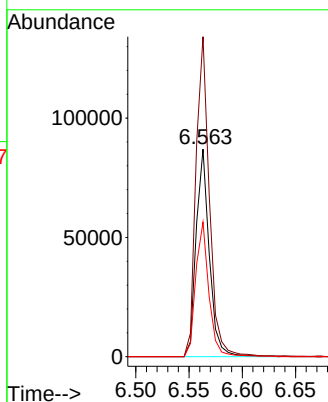
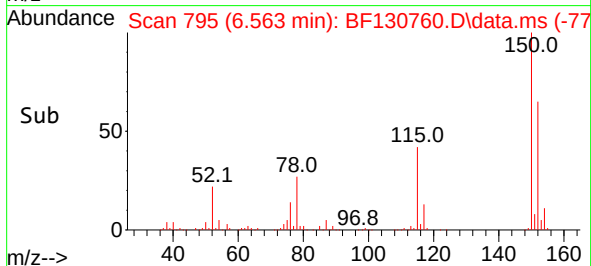
Instrument :
BNA_F
ClientSampleId :
SU-04-101922DL



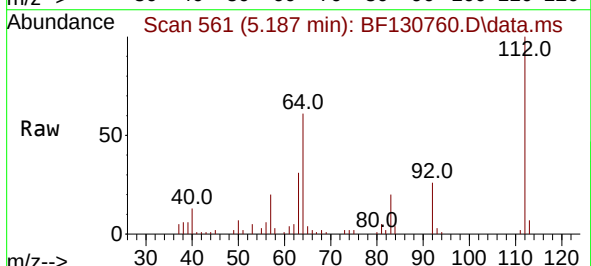
Tgt Ion:152 Resp: 7552
Ion Ratio Lower Upper
152 100
150 154.2 127.0 190.6
115 64.9 49.9 74.9

Manual Integrations
APPROVED

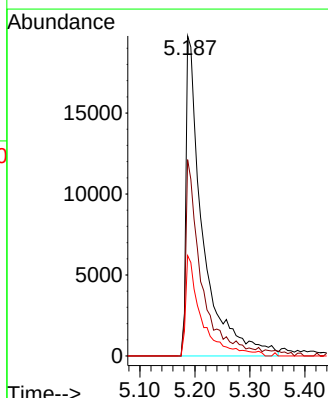
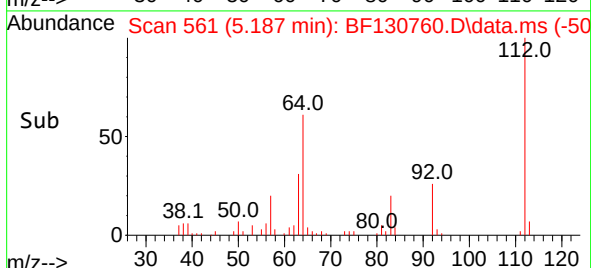
Reviewed By :Christian Giraldo 10/25/2022
Supervised By :mohammad ahmed 10/27/2022

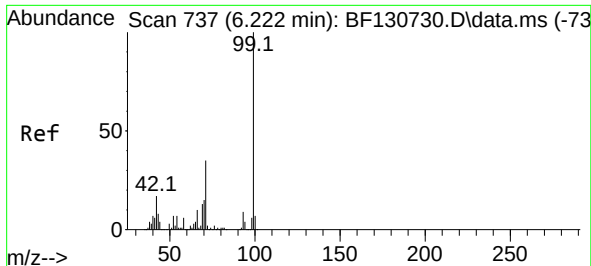


#5
2-Fluorophenol
Concen: 9.532 ng
RT: 5.187 min Scan# 561
Delta R.T. 0.024 min
Lab File: BF130760.D
Acq: 24 Oct 2022 14:26



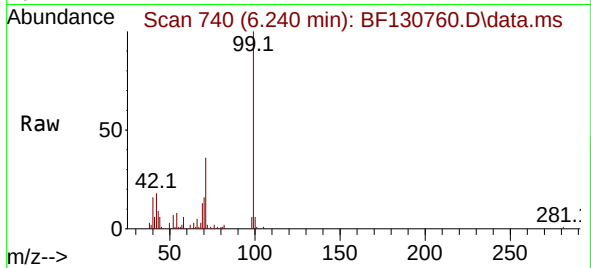
Tgt Ion:112 Resp: 41751
Ion Ratio Lower Upper
112 100
64 61.4 46.2 69.4
63 31.3 25.1 37.7





#7
Phenol-d6
Concen: 10.519 ng
RT: 6.240 min Scan# 740
Delta R.T. 0.018 min
Lab File: BF130760.D
Acq: 24 Oct 2022 14:26

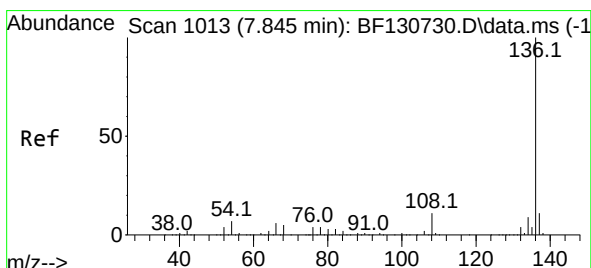
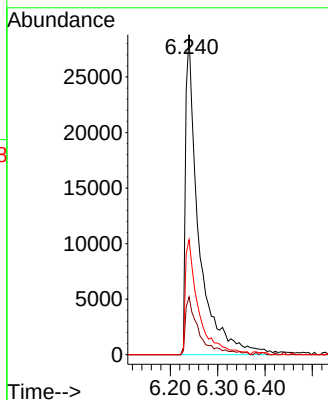
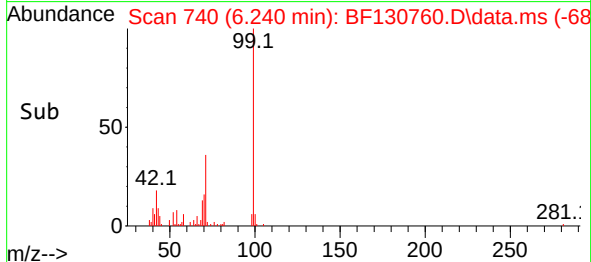
Instrument :
BNA_F
ClientSampleId :
SU-04-101922DL



Tgt Ion: 99 Resp: 5574
Ion Ratio Lower Upper
99 100
42 18.1 13.8 20.8
71 35.9 28.3 42.5

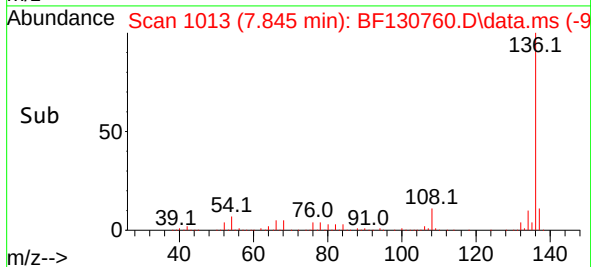
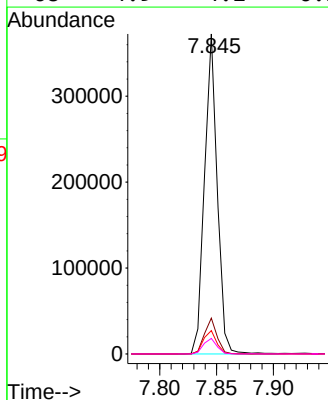
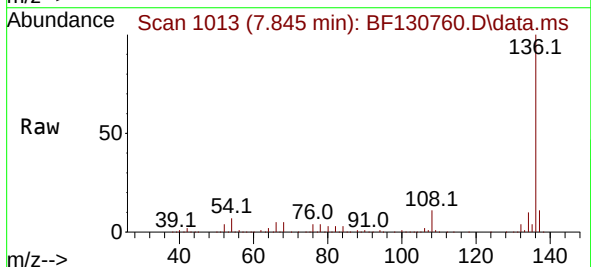
Manual Integrations
APPROVED

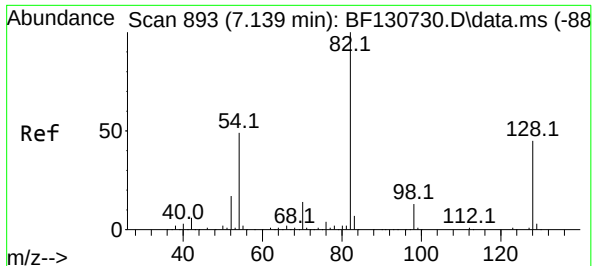
Reviewed By :Christian Giraldo 10/25/2022
Supervised By :mohammad ahmed 10/27/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.845 min Scan# 1013
Delta R.T. 0.000 min
Lab File: BF130760.D
Acq: 24 Oct 2022 14:26

Tgt Ion:136 Resp: 289314
Ion Ratio Lower Upper
136 100
137 11.2 9.1 13.7
54 7.3 5.8 8.8
68 4.9 4.2 6.2





#23

Nitrobenzene-d5

Concen: 6.296 ng

RT: 7.140 min Scan# 893

Delta R.T. 0.000 min

Lab File: BF130760.D

Acq: 24 Oct 2022 14:26

Instrument :

BNA_F

ClientSampleId :

SU-04-101922DL

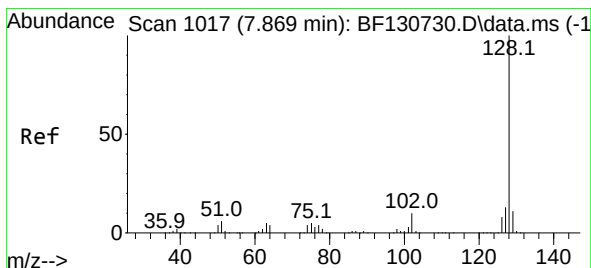
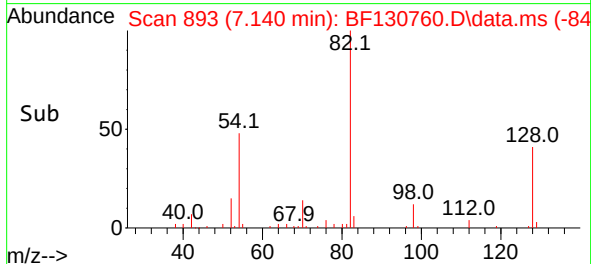
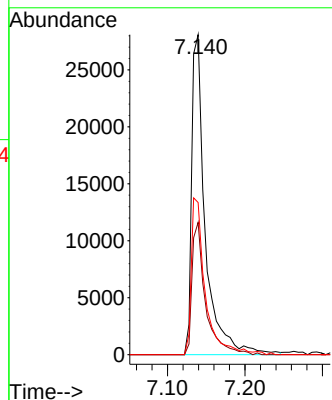
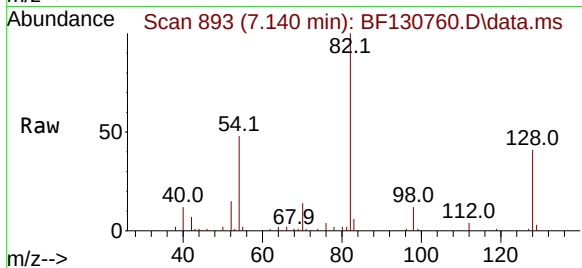
Tgt Ion: 82 Resp: 34330

Ion	Ratio	Lower	Upper
82	100		
128	41.3	35.9	53.9
54	47.6	39.2	58.8

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 10/25/2022
Supervised By :mohammad ahmed 10/27/2022



#31

Naphthalene

Concen: 11.353 ng

RT: 7.869 min Scan# 1017

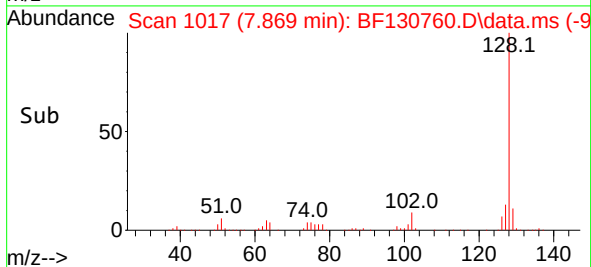
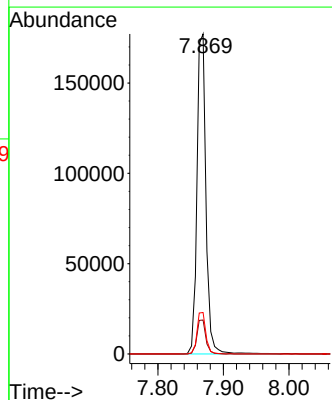
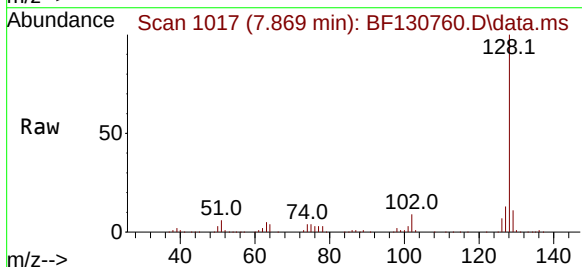
Delta R.T. 0.000 min

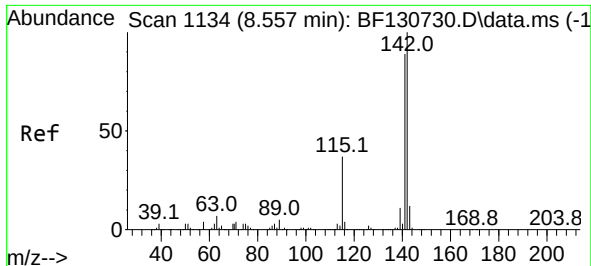
Lab File: BF130760.D

Acq: 24 Oct 2022 14:26

Tgt Ion:128 Resp: 169360

Ion	Ratio	Lower	Upper
128	100		
129	10.6	8.9	13.3
127	13.0	10.6	16.0





#37

2-Methylnaphthalene

Concen: 5.726 ng

RT: 8.557 min Scan# 1134

Delta R.T. 0.000 min

Lab File: BF130760.D

Acq: 24 Oct 2022 14:26

Instrument :

BNA_F

ClientSampleId :

SU-04-101922DL

Tgt Ion:142 Resp: 5596

Ion Ratio Lower Upper

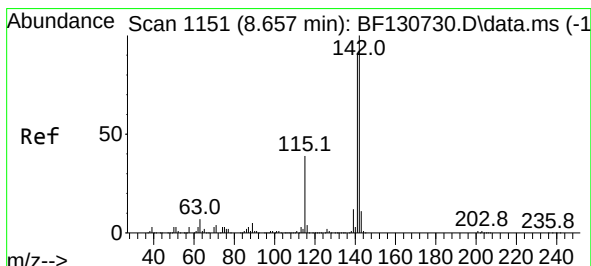
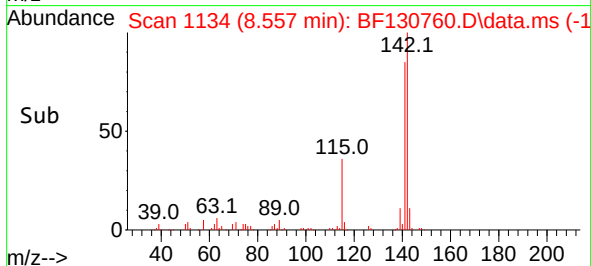
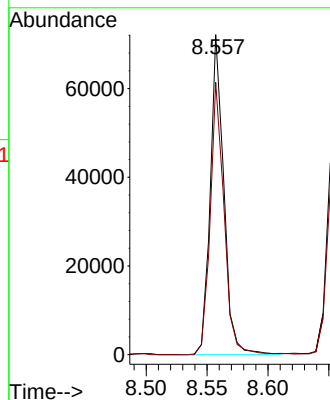
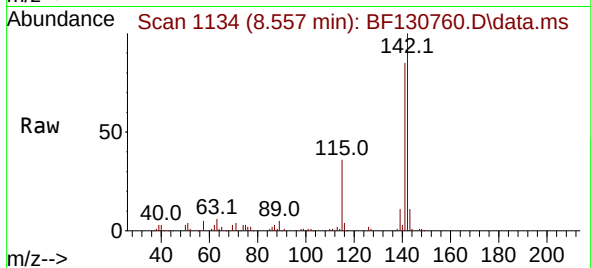
142 100

141 85.1 71.0 106.4

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 10/25/2022
Supervised By :mohammad ahmed 10/27/2022



#38

1-Methylnaphthalene

Concen: 4.644 ng

RT: 8.657 min Scan# 1151

Delta R.T. 0.000 min

Lab File: BF130760.D

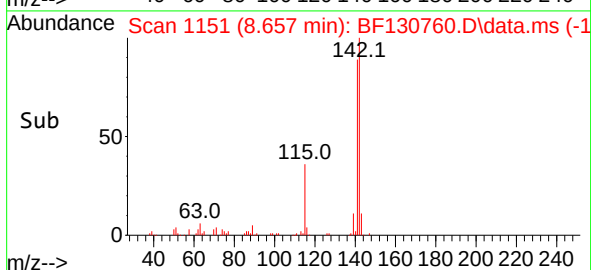
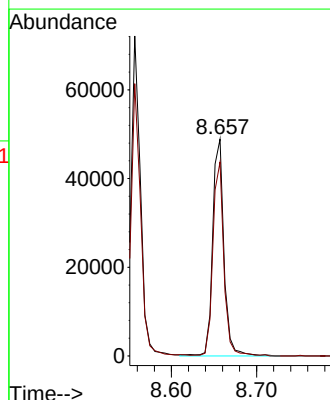
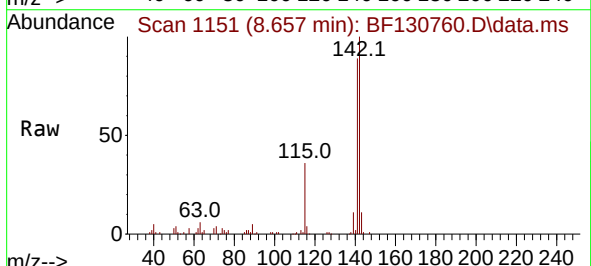
Acq: 24 Oct 2022 14:26

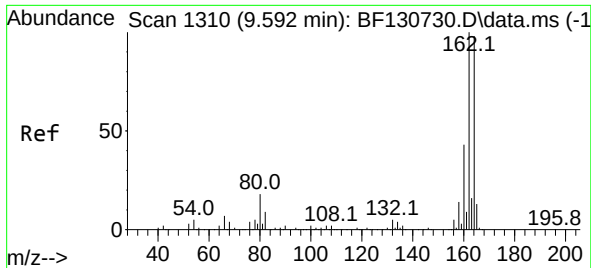
Tgt Ion:142 Resp: 45005

Ion Ratio Lower Upper

142 100

141 89.4 73.0 109.4





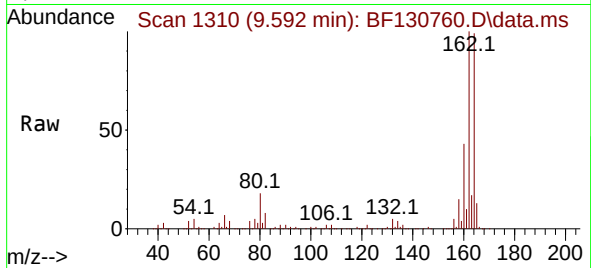
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.592 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF130760.D
Acq: 24 Oct 2022 14:26

Instrument :

BNA_F

ClientSampleId :

SU-04-101922DL

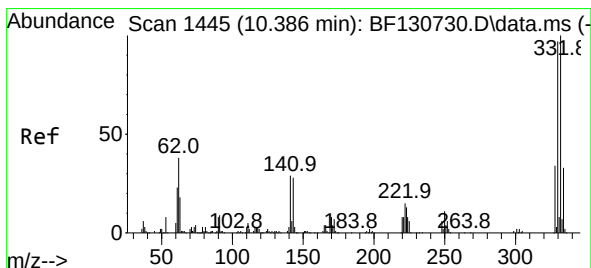
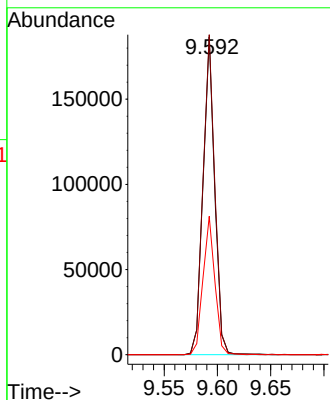
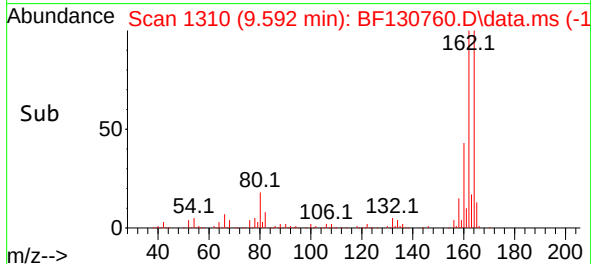


Tgt Ion:164 Resp: 142434
Ion Ratio Lower Upper
164 100
162 100.7 81.4 122.0
160 43.6 35.0 52.4

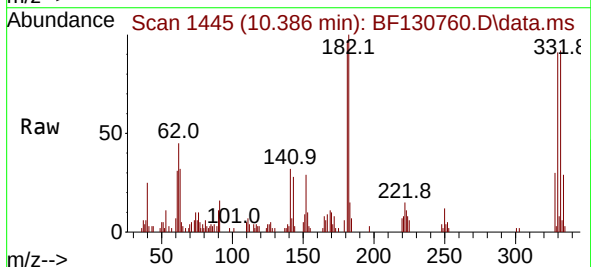
Manual Integrations

APPROVED

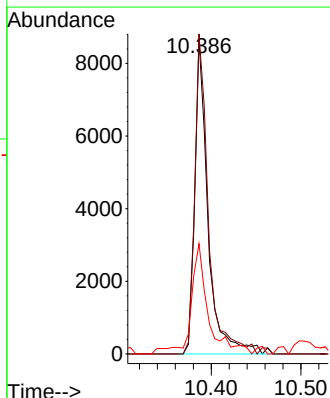
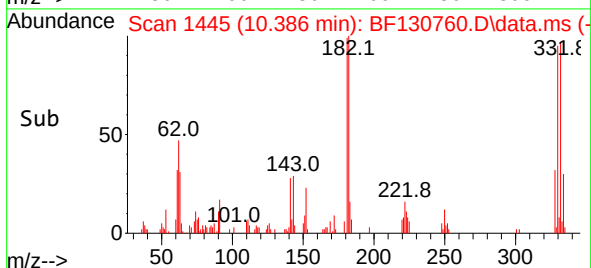
Reviewed By :Christian Giraldo 10/25/2022
Supervised By :mohammad ahmed 10/27/2022

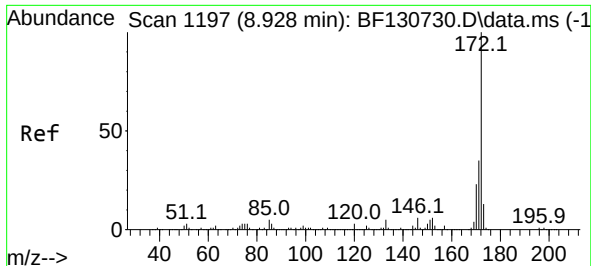


#42
2,4,6-Tribromophenol
Concen: 6.541 ng
RT: 10.386 min Scan# 1445
Delta R.T. 0.000 min
Lab File: BF130760.D
Acq: 24 Oct 2022 14:26



Tgt Ion:330 Resp: 8860
Ion Ratio Lower Upper
330 100
332 104.6 81.4 122.2
141 45.2 24.6 37.0#





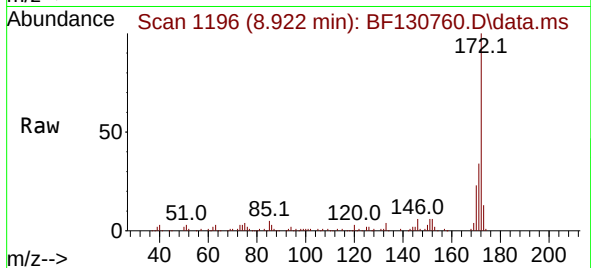
#45
2-Fluorobiphenyl
Concen: 7.394 ng
RT: 8.922 min Scan# 1197
Delta R.T. -0.006 min
Lab File: BF130760.D
Acq: 24 Oct 2022 14:26

Instrument :

BNA_F

ClientSampleId :

SU-04-101922DL

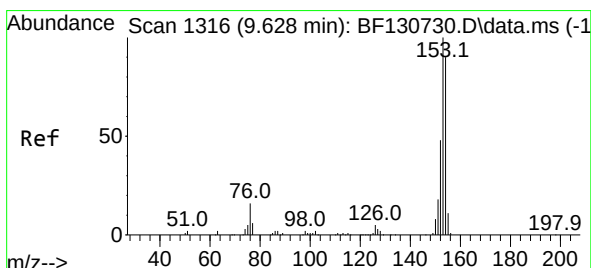
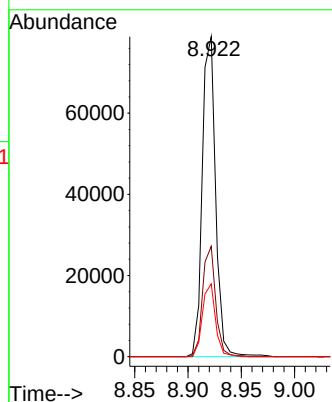
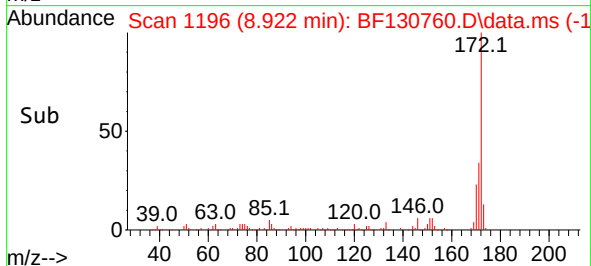


Tgt Ion:172 Resp: 69108
Ion Ratio Lower Upper
172 100
171 34.5 28.2 42.2
170 22.7 18.5 27.7

Manual Integrations

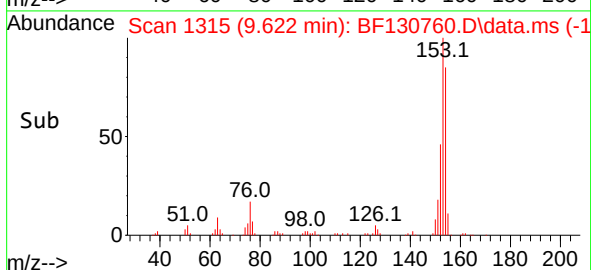
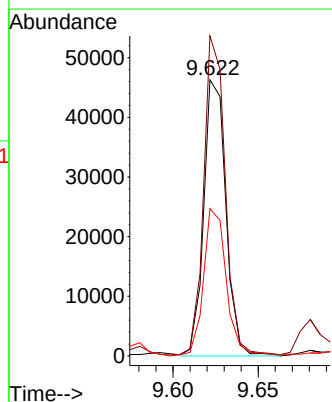
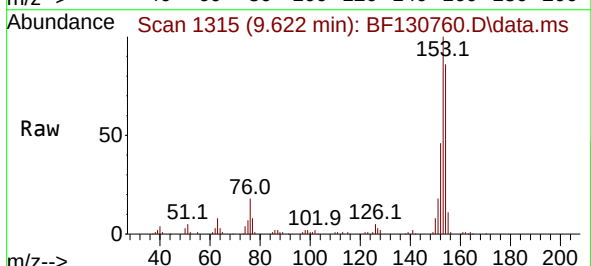
APPROVED

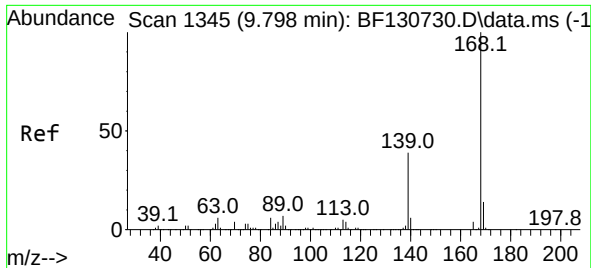
Reviewed By :Christian Giraldo 10/25/2022
Supervised By :mohammad ahmed 10/27/2022



#52
Acenaphthene
Concen: 5.530 ng
RT: 9.622 min Scan# 1315
Delta R.T. -0.006 min
Lab File: BF130760.D
Acq: 24 Oct 2022 14:26

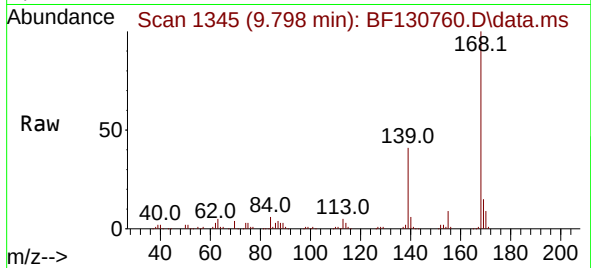
Tgt Ion:154 Resp: 41841
Ion Ratio Lower Upper
154 100
153 115.9 88.4 132.6
152 53.3 42.0 63.0





#55
Dibenzenofuran
Concen: 6.494 ng
RT: 9.798 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF130760.D
Acq: 24 Oct 2022 14:26

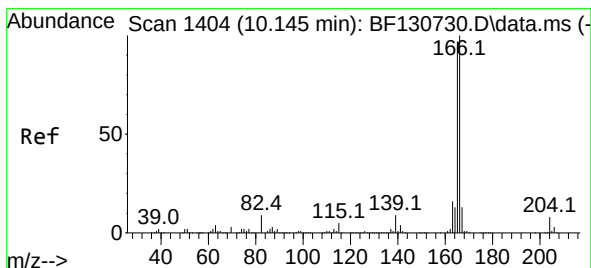
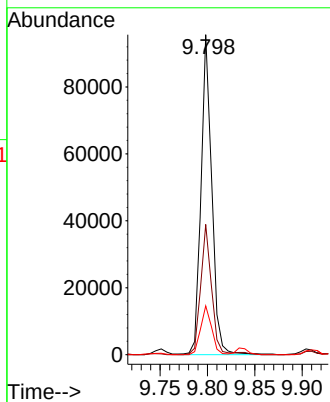
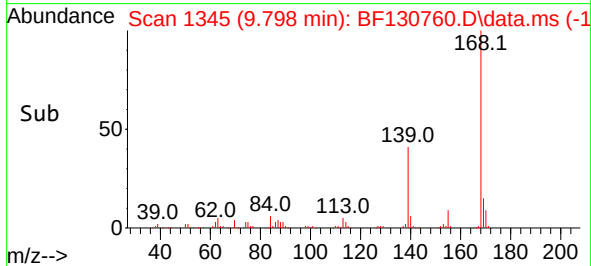
Instrument :
BNA_F
ClientSampleId :
SU-04-101922DL



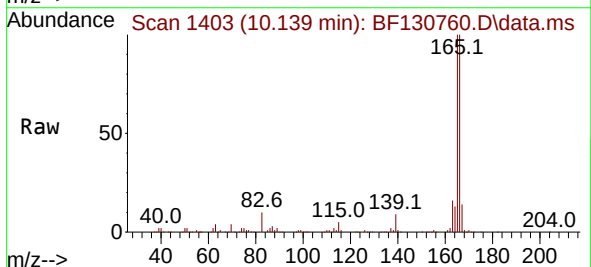
Tgt Ion:168 Resp: 7563
Ion Ratio Lower Upper
168 100
139 40.7 34.3 51.5
169 15.2 11.0 16.6

Manual Integrations
APPROVED

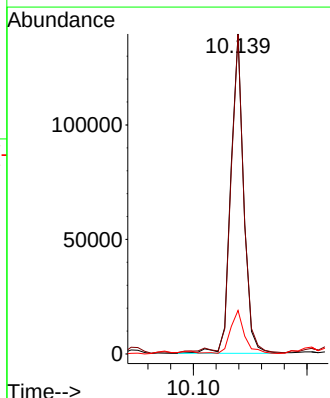
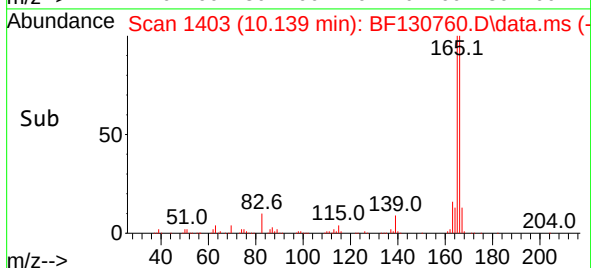
Reviewed By :Christian Giraldo 10/25/2022
Supervised By :mohammad ahmed 10/27/2022

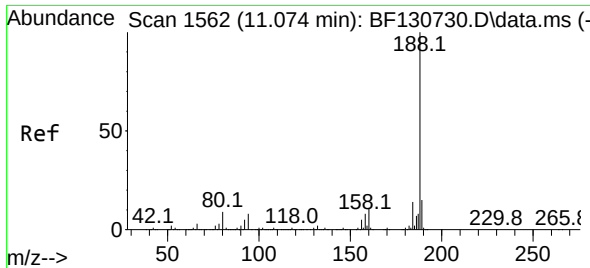


#58
Fluorene
Concen: 11.250 ng
RT: 10.139 min Scan# 1403
Delta R.T. -0.006 min
Lab File: BF130760.D
Acq: 24 Oct 2022 14:26



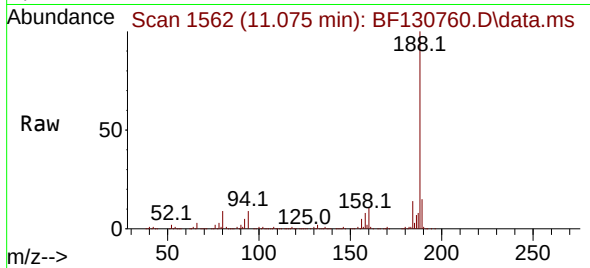
Tgt Ion:166 Resp: 108971
Ion Ratio Lower Upper
166 100
165 99.9 77.6 116.4
167 13.6 10.3 15.5





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.075 min Scan# 1107
Delta R.T. 0.000 min
Lab File: BF130760.D
Acq: 24 Oct 2022 14:26

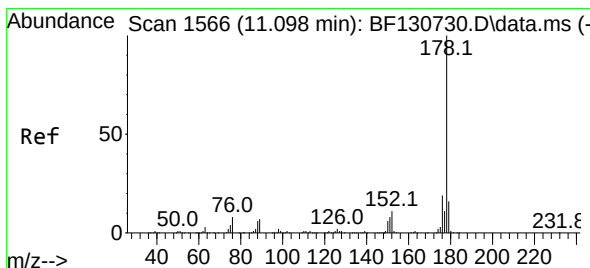
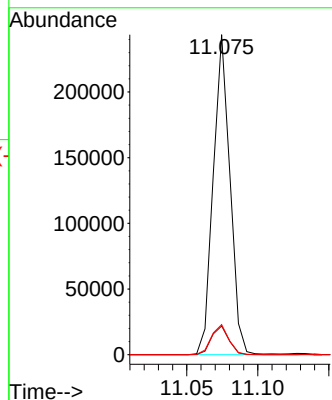
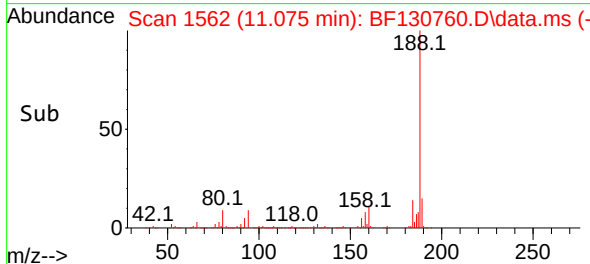
Instrument :
BNA_F
ClientSampleId :
SU-04-101922DL



Tgt Ion:188 Resp: 20003
Ion Ratio Lower Upper
188 100
94 9.0 6.7 10.1
80 9.4 7.4 11.0

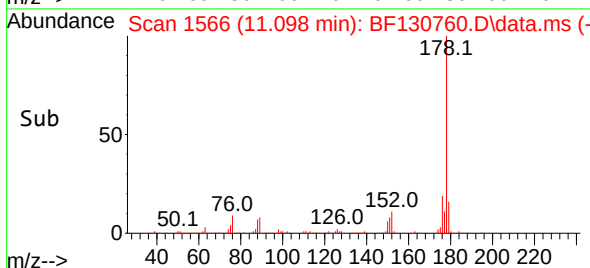
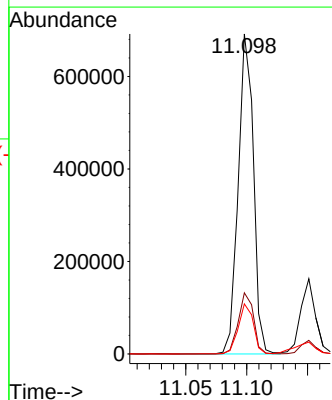
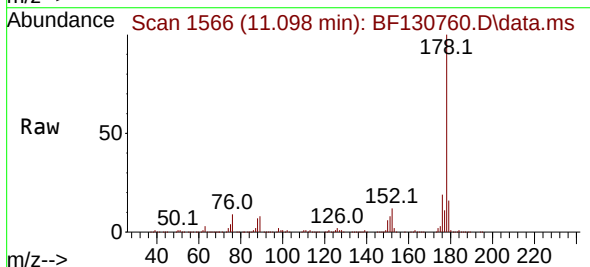
Manual Integrations
APPROVED

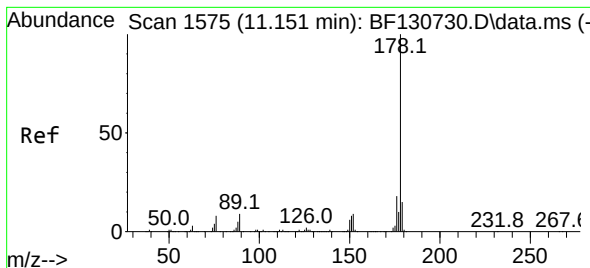
Reviewed By :Christian Giraldo 10/25/2022
Supervised By :mohammad ahmed 10/27/2022



#71
Phenanthrene
Concen: 54.813 ng
RT: 11.098 min Scan# 1566
Delta R.T. 0.000 min
Lab File: BF130760.D
Acq: 24 Oct 2022 14:26

Tgt Ion:178 Resp: 601274
Ion Ratio Lower Upper
178 100
176 19.1 15.1 22.7
179 15.6 12.4 18.6





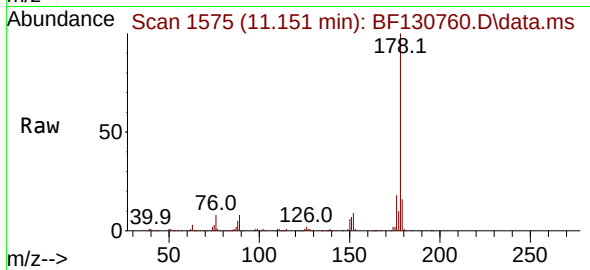
#72
 Anthracene
 Concen: 12.221 ng
 RT: 11.151 min Scan# 1575
 Delta R.T. 0.000 min
 Lab File: BF130760.D
 Acq: 24 Oct 2022 14:26

Instrument :

BNA_F

ClientSampleId :

SU-04-101922DL

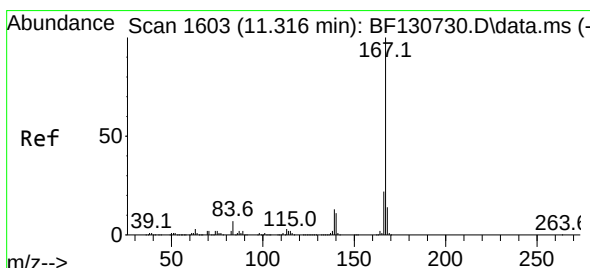
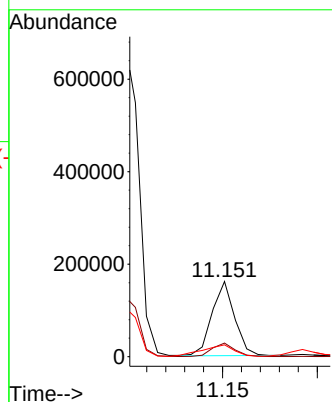
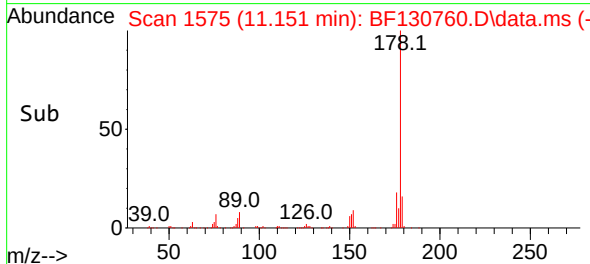


Tgt Ion:178 Resp: 133775
 Ion Ratio Lower Upper
 178 100
 176 18.1 14.6 21.8
 179 15.7 12.4 18.6

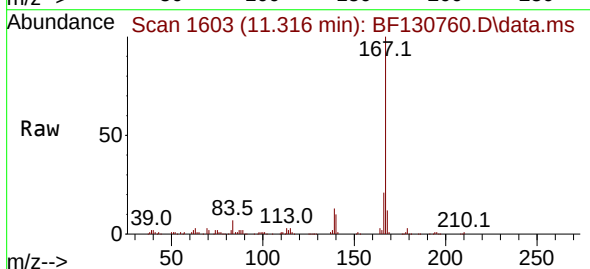
Manual Integrations

APPROVED

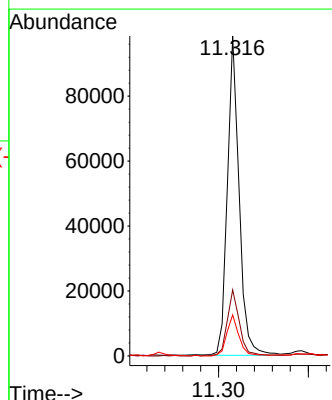
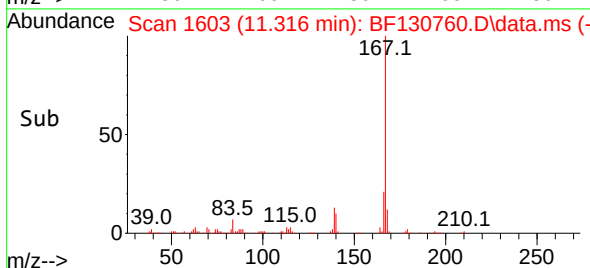
Reviewed By :Christian Giraldo 10/25/2022
 Supervised By :mohammad ahmed 10/27/2022

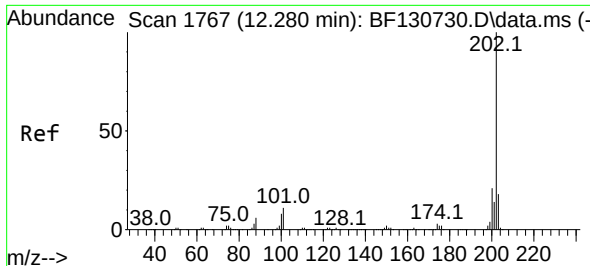


#73
 Carbazole
 Concen: 8.863 ng
 RT: 11.316 min Scan# 1603
 Delta R.T. 0.000 min
 Lab File: BF130760.D
 Acq: 24 Oct 2022 14:26



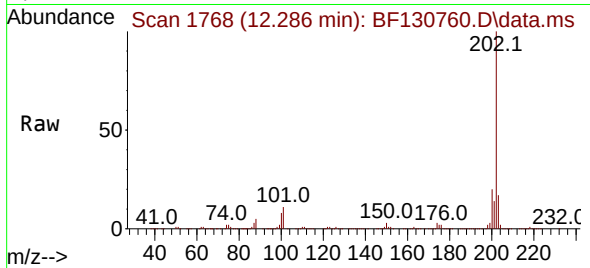
Tgt Ion:167 Resp: 89575
 Ion Ratio Lower Upper
 167 100
 166 20.6 17.3 25.9
 139 12.8 10.7 16.1





#75
Fluoranthene
Concen: 39.675 ng
RT: 12.286 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF130760.D
Acq: 24 Oct 2022 14:26

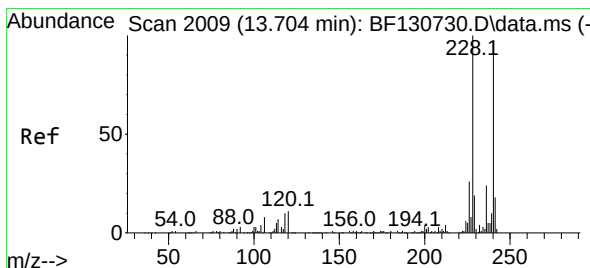
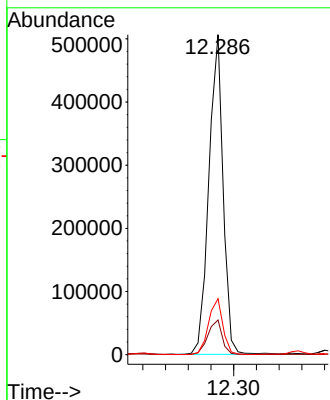
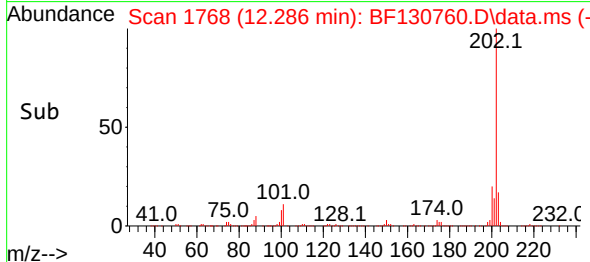
Instrument :
BNA_F
ClientSampleId :
SU-04-101922DL



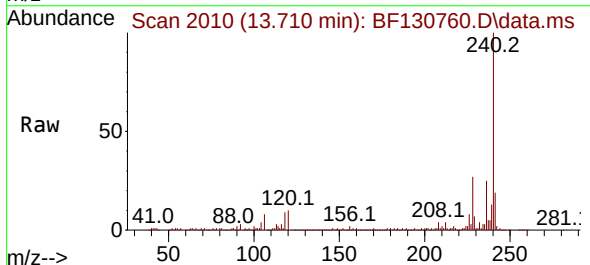
Tgt Ion:202 Resp: 439978
Ion Ratio Lower Upper
202 100
101 10.9 0.0 31.0
203 17.5 0.0 37.6

Manual Integrations
APPROVED

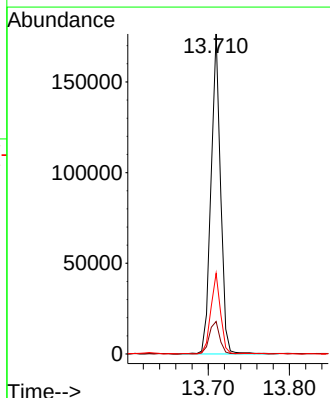
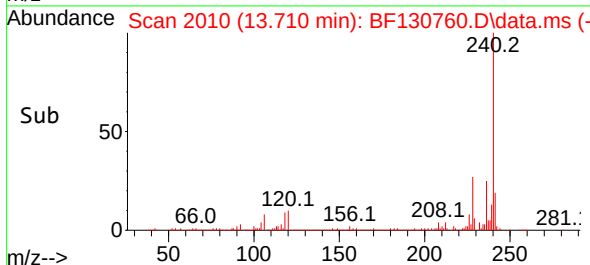
Reviewed By :Christian Giraldo 10/25/2022
Supervised By :mohammad ahmed 10/27/2022

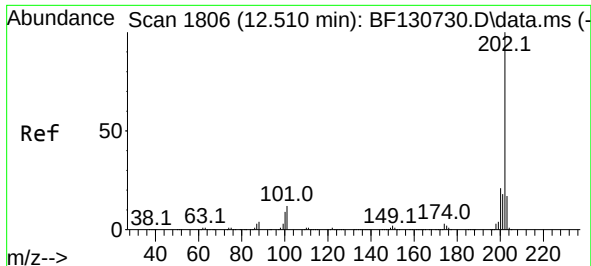


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.710 min Scan# 2010
Delta R.T. 0.006 min
Lab File: BF130760.D
Acq: 24 Oct 2022 14:26



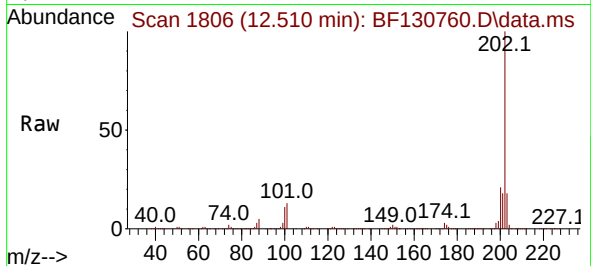
Tgt Ion:240 Resp: 143793
Ion Ratio Lower Upper
240 100
120 10.1 9.6 14.4
236 25.2 20.2 30.2





#78
Pyrene
Concen: 29.380 ng
RT: 12.510 min Scan# 1806
Delta R.T. 0.000 min
Lab File: BF130760.D
Acq: 24 Oct 2022 14:26

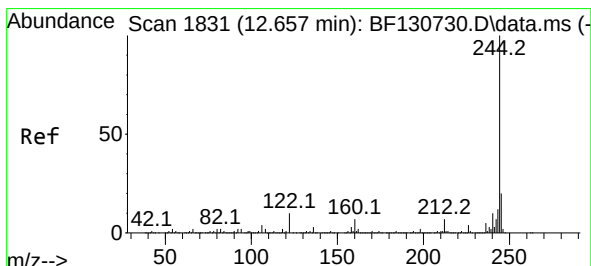
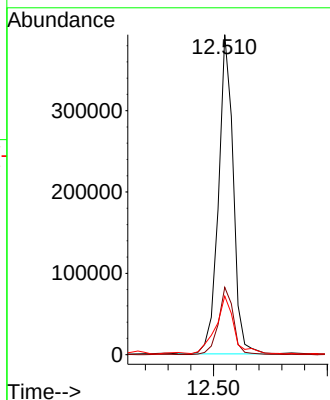
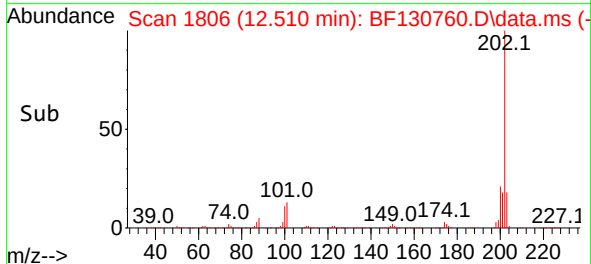
Instrument :
BNA_F
ClientSampleId :
SU-04-101922DL



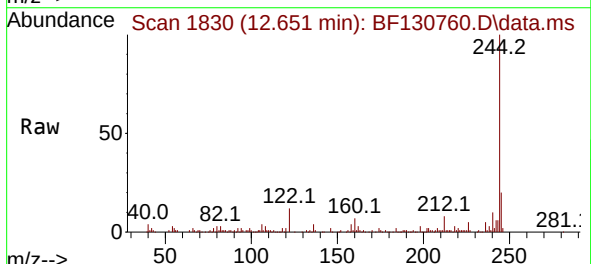
Tgt Ion:202 Resp: 354609
Ion Ratio Lower Upper
202 100
200 21.0 16.8 25.2
203 18.3 13.8 20.8

Manual Integrations
APPROVED

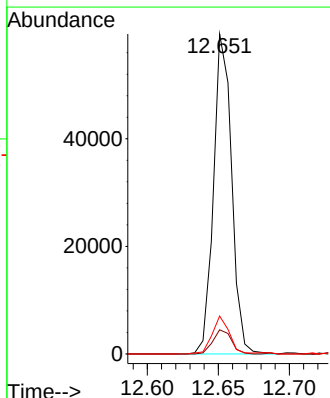
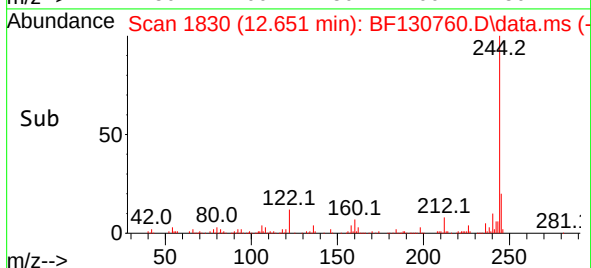
Reviewed By :Christian Giraldo 10/25/2022
Supervised By :mohammad ahmed 10/27/2022

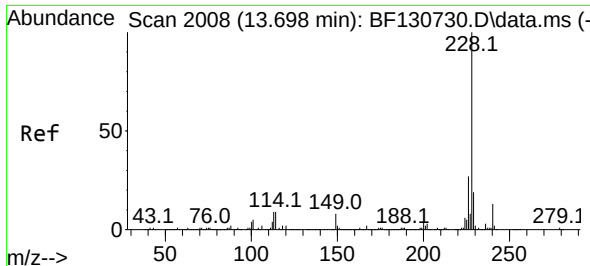


#79
Terphenyl-d14
Concen: 6.180 ng
RT: 12.651 min Scan# 1830
Delta R.T. -0.006 min
Lab File: BF130760.D
Acq: 24 Oct 2022 14:26



Tgt Ion:244 Resp: 52735
Ion Ratio Lower Upper
244 100
212 7.5 5.4 8.0
122 11.9 8.2 12.4





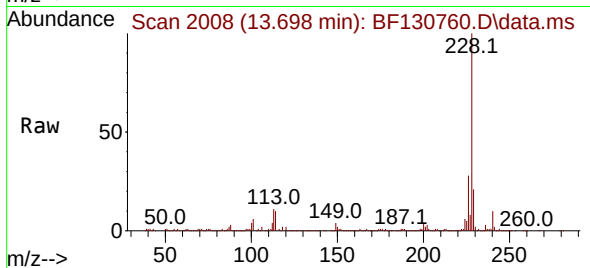
#81
Benzo(a)anthracene
Concen: 22.645 ng
RT: 13.698 min Scan# 2008
Delta R.T. -0.000 min
Lab File: BF130760.D
Acq: 24 Oct 2022 14:26

Instrument :

BNA_F

ClientSampleId :

SU-04-101922DL

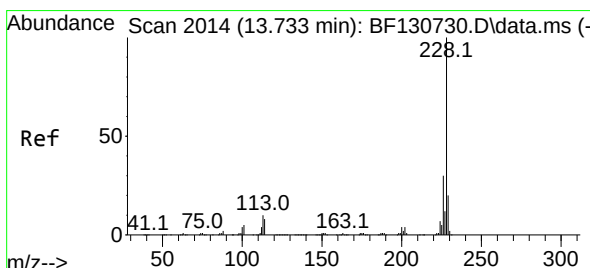
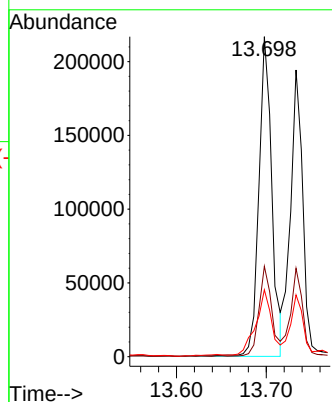
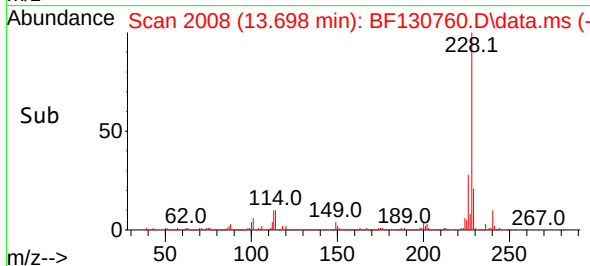


Tgt Ion:228 Resp: 217569
Ion Ratio Lower Upper
228 100
226 28.3 21.8 32.8
229 20.9 15.4 23.2

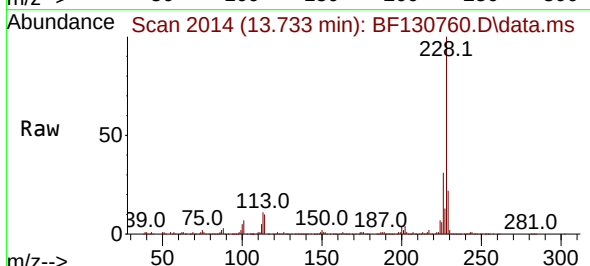
Manual Integrations

APPROVED

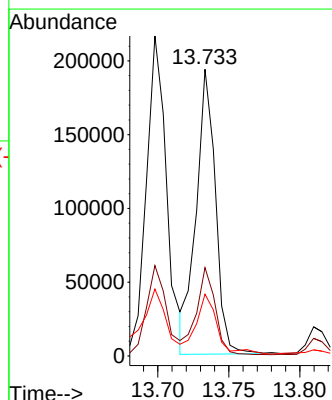
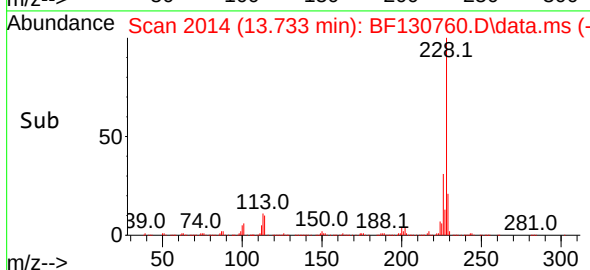
Reviewed By :Christian Giraldo 10/25/2022
Supervised By :mohammad ahmed 10/27/2022

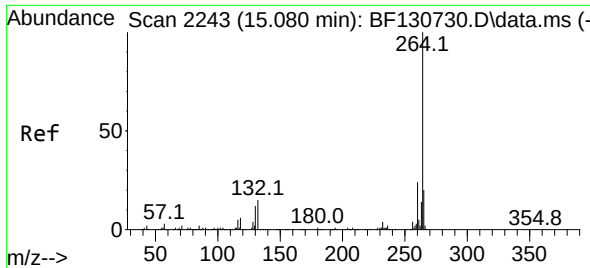


#83
Chrysene
Concen: 19.649 ng
RT: 13.733 min Scan# 2014
Delta R.T. 0.000 min
Lab File: BF130760.D
Acq: 24 Oct 2022 14:26



Tgt Ion:228 Resp: 182922
Ion Ratio Lower Upper
228 100
226 30.8 23.6 35.4
229 21.6 15.8 23.6





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.086 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF130760.D
Acq: 24 Oct 2022 14:26

Instrument :

BNA_F

ClientSampleId :

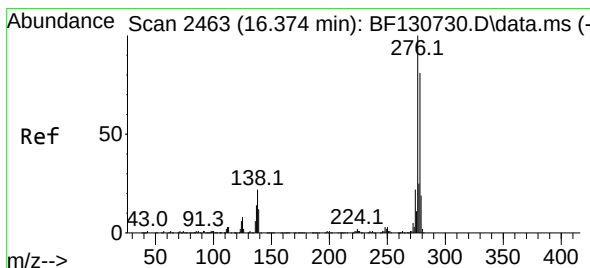
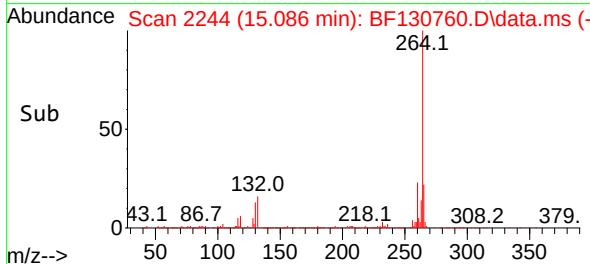
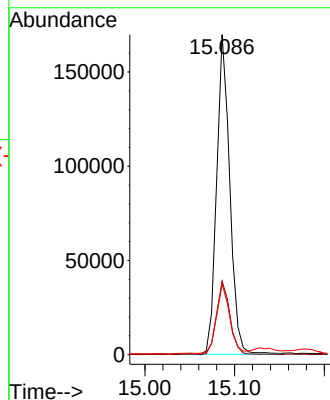
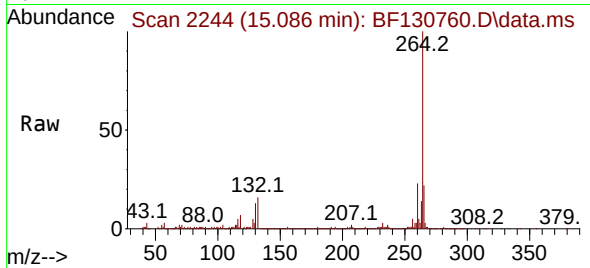
SU-04-101922DL

Tgt Ion:264 Resp: 172299
Ion Ratio Lower Upper
264 100
260 23.1 18.8 28.2
265 22.1 16.2 24.4

Manual Integrations

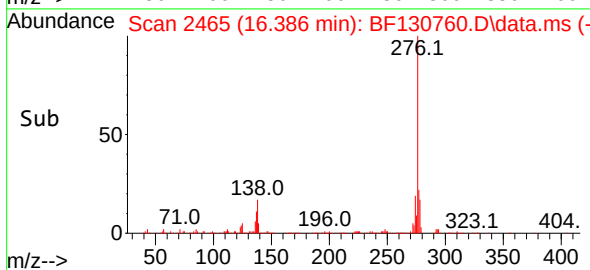
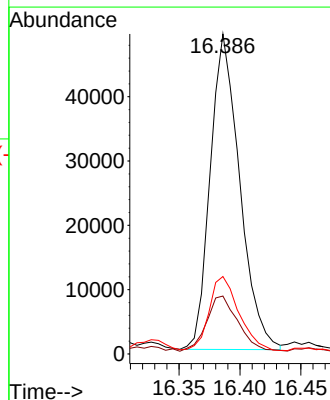
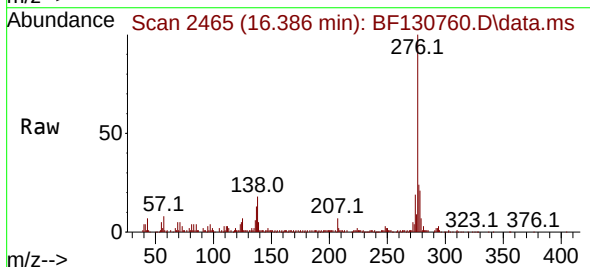
APPROVED

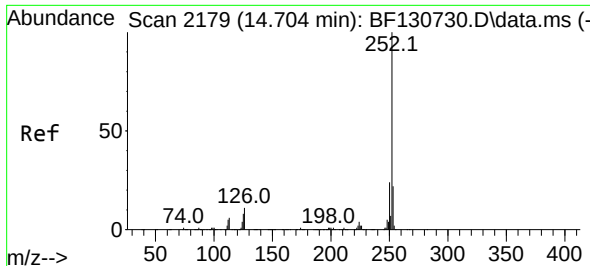
Reviewed By :Christian Giraldo 10/25/2022
Supervised By :mohammad ahmed 10/27/2022



#87
Indeno(1,2,3-cd)pyrene
Concen: 6.690 ng
RT: 16.386 min Scan# 2465
Delta R.T. 0.012 min
Lab File: BF130760.D
Acq: 24 Oct 2022 14:26

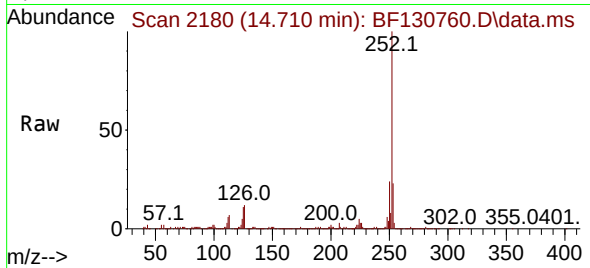
Tgt Ion:276 Resp: 82665
Ion Ratio Lower Upper
276 100
138 19.1 17.2 25.8
277 23.8 20.1 30.1





#88
Benzo(b)fluoranthene
Concen: 16.881 ng m
RT: 14.710 min Scan# 2179
Delta R.T. 0.006 min
Lab File: BF130760.D
Acq: 24 Oct 2022 14:26

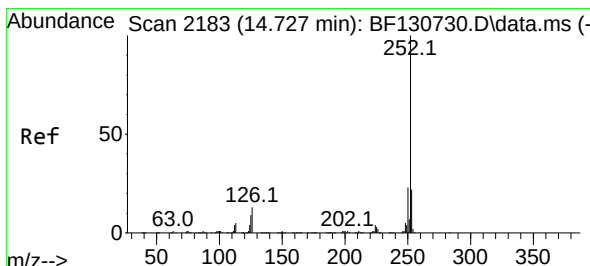
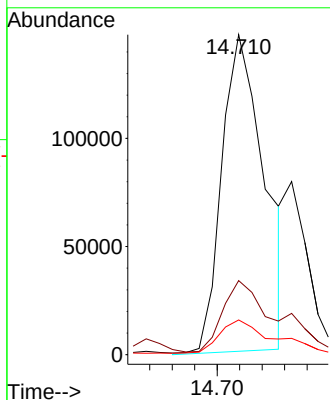
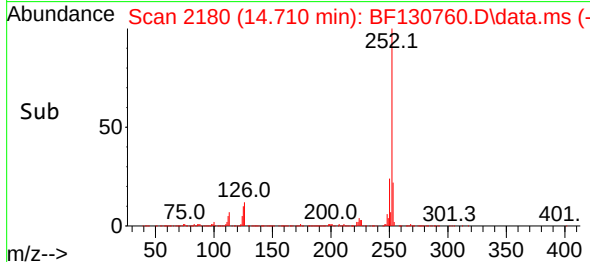
Instrument :
BNA_F
ClientSampleId :
SU-04-101922DL



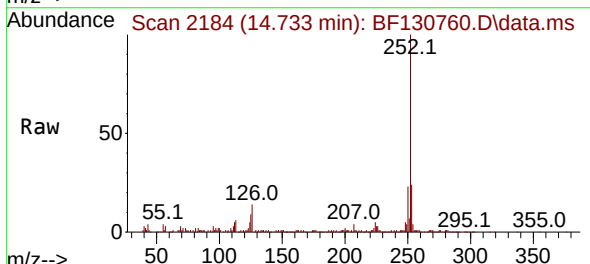
Tgt Ion:252 Resp: 193664
Ion Ratio Lower Upper
252 100
253 23.1 17.4 26.0
125 10.9 6.4 9.6

Manual Integrations
APPROVED

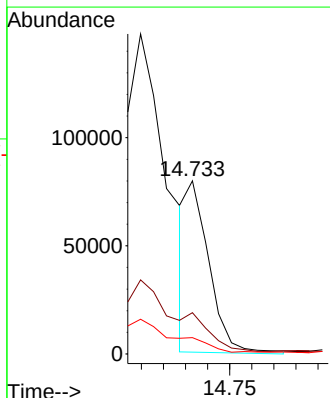
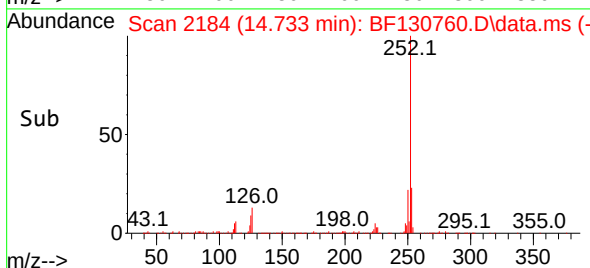
Reviewed By :Christian Giraldo 10/25/2022
Supervised By :mohammad ahmed 10/27/2022

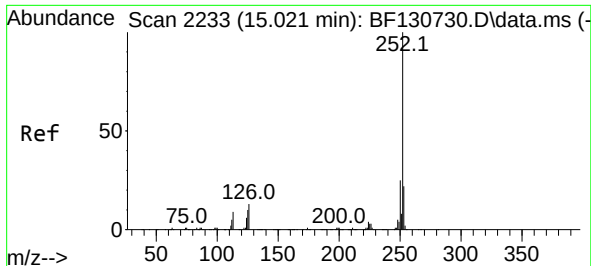


#89
Benzo(k)fluoranthene
Concen: 4.859 ng m
RT: 14.733 min Scan# 2184
Delta R.T. 0.006 min
Lab File: BF130760.D
Acq: 24 Oct 2022 14:26



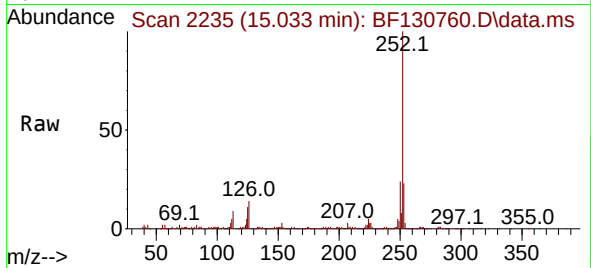
Tgt Ion:252 Resp: 55999
Ion Ratio Lower Upper
252 100
253 23.9 17.7 26.5
125 9.4 7.2 10.8





#90
Benzo(a)pyrene
Concen: 15.533 ng
RT: 15.033 min Scan# 21
Delta R.T. 0.012 min
Lab File: BF130760.D
Acq: 24 Oct 2022 14:26

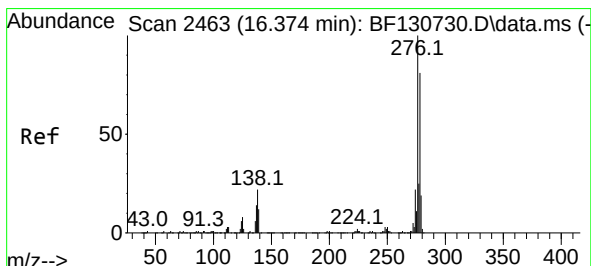
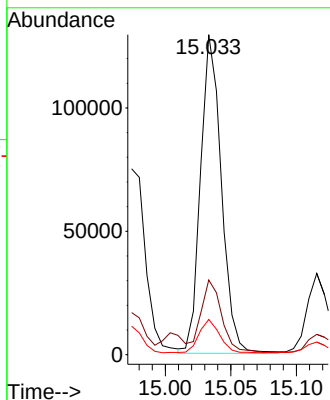
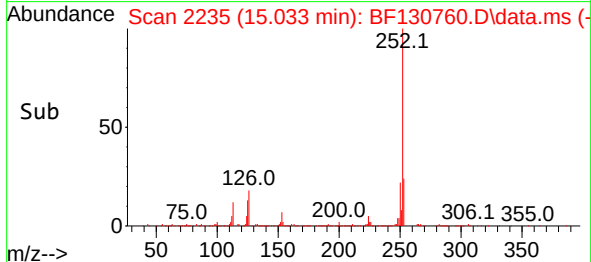
Instrument :
BNA_F
ClientSampleId :
SU-04-101922DL



Tgt Ion:252 Resp: 143120
Ion Ratio Lower Upper
252 100
253 23.3 17.4 26.0
125 11.0 8.3 12.5

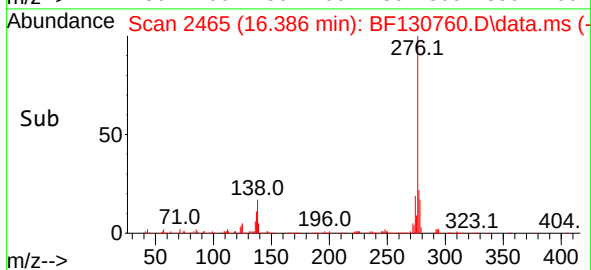
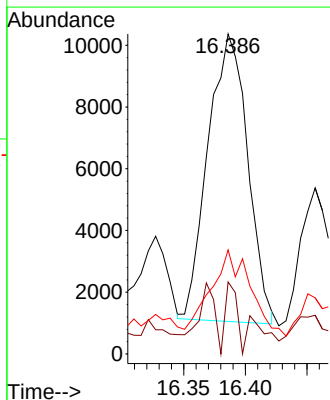
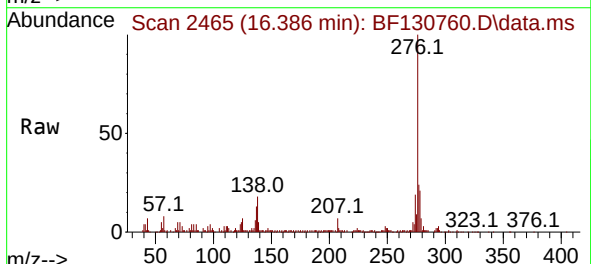
Manual Integrations
APPROVED

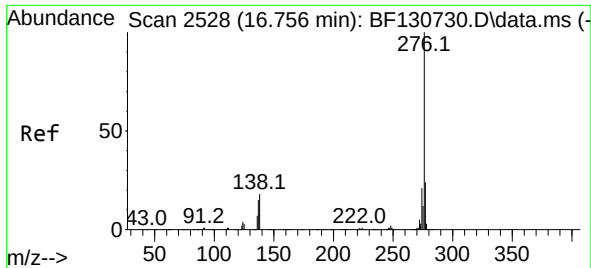
Reviewed By :Christian Giraldo 10/25/2022
Supervised By :mohammad ahmed 10/27/2022



#91
Dibenzo(a,h)anthracene
Concen: 2.037 ng m
RT: 16.386 min Scan# 2465
Delta R.T. 0.012 min
Lab File: BF130760.D
Acq: 24 Oct 2022 14:26

Tgt Ion:278 Resp: 20804
Ion Ratio Lower Upper
278 100
139 22.5 11.4 17.0#
279 32.5 18.4 27.6#





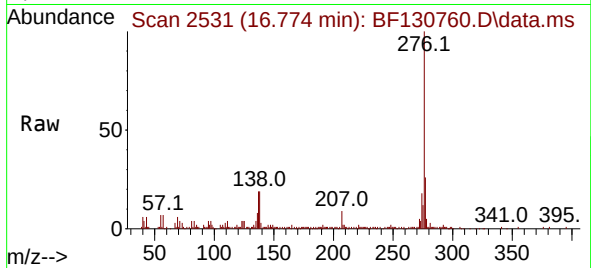
#92
 Benzo(g,h,i)perylene
 Concen: 7.088 ng
 RT: 16.774 min Scan# 2531
 Delta R.T. 0.018 min
 Lab File: BF130760.D
 Acq: 24 Oct 2022 14:26

Instrument :

BNA_F

ClientSampleId :

SU-04-101922DL



Tgt Ion: 276 Resp: 7258
 Ion Ratio Lower Upper
 276 100
 277 26.1 19.1 28.7
 138 18.9 14.2 21.2

Manual Integrations

APPROVED

Reviewed By : Christian Giraldo 10/25/2022
 Supervised By : mohammad ahmed 10/27/2022

