

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102422\
 Data File : BF130764.D
 Acq On : 24 Oct 2022 16:33
 Operator : CG\JU
 Sample : N5217-04DL 2X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-B1-COMPDL

Manual Integrations
 APPROVED

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

Quant Time: Oct 24 23:24:07 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	91722	20.000	ng	0.00
21) Naphthalene-d8	7.845	136	322314	20.000	ng	0.00
39) Acenaphthene-d10	9.592	164	140110	20.000	ng	0.00
64) Phenanthrene-d10	11.075	188	218515	20.000	ng	0.00
76) Chrysene-d12	13.710	240	227923	20.000	ng	0.00
86) Perylene-d12	15.086	264	218093	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.175	112	353897	66.534	ng	0.01
7) Phenol-d6	6.222	99	319581	49.658	ng	0.00
23) Nitrobenzene-d5	7.134	82	191978	31.597	ng	0.00
42) 2,4,6-Tribromophenol	10.386	330	53832	40.401	ng	0.00
45) 2-Fluorobiphenyl	8.922	172	306836	33.374	ng	0.00
79) Terphenyl-d14	12.651	244	294411	21.768	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	7.869	128	34405	2.070	ng	98
49) Acenaphthylene	9.457	152	59473	4.967	ng	96
52) Acenaphthene	9.622	154	25413	3.414	ng	95
55) Dibenzofuran	9.798	168	25361	2.214	ng	96
58) Fluorene	10.139	166	39639	4.160	ng	94
71) Phenanthrene	11.098	178	476149	39.736	ng	99
72) Anthracene	11.151	178	120000	10.035	ng	99
73) Carbazole	11.316	167	68506	6.205	ng	99
75) Fluoranthene	12.286	202	795309	65.652	ng	100
78) Pyrene	12.510	202	741683	38.768	ng	99
81) Benzo(a)anthracene	13.698	228	469509	30.829	ng	98
83) Chrysene	13.733	228	400224	27.123	ng	99
84) Bis(2-ethylhexyl)phtha...	13.686	149	68388	7.605	ng	98
85) Di-n-octyl phthalate	14.298	149	40147	3.386	ng	# 76
87) Indeno(1,2,3-cd)pyrene	16.386	276	179073	11.448	ng	98
88) Benzo(b)fluoranthene	14.710	252	560393m	38.591	ng	
89) Benzo(k)fluoranthene	14.733	252	169726m	11.634	ng	
90) Benzo(a)pyrene	15.033	252	364095	31.218	ng	97
91) Dibenzo(a,h)anthracene	16.386	278	44842	3.469	ng	# 89
92) Benzo(g,h,i)perylene	16.780	276	159243	12.285	ng	98

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

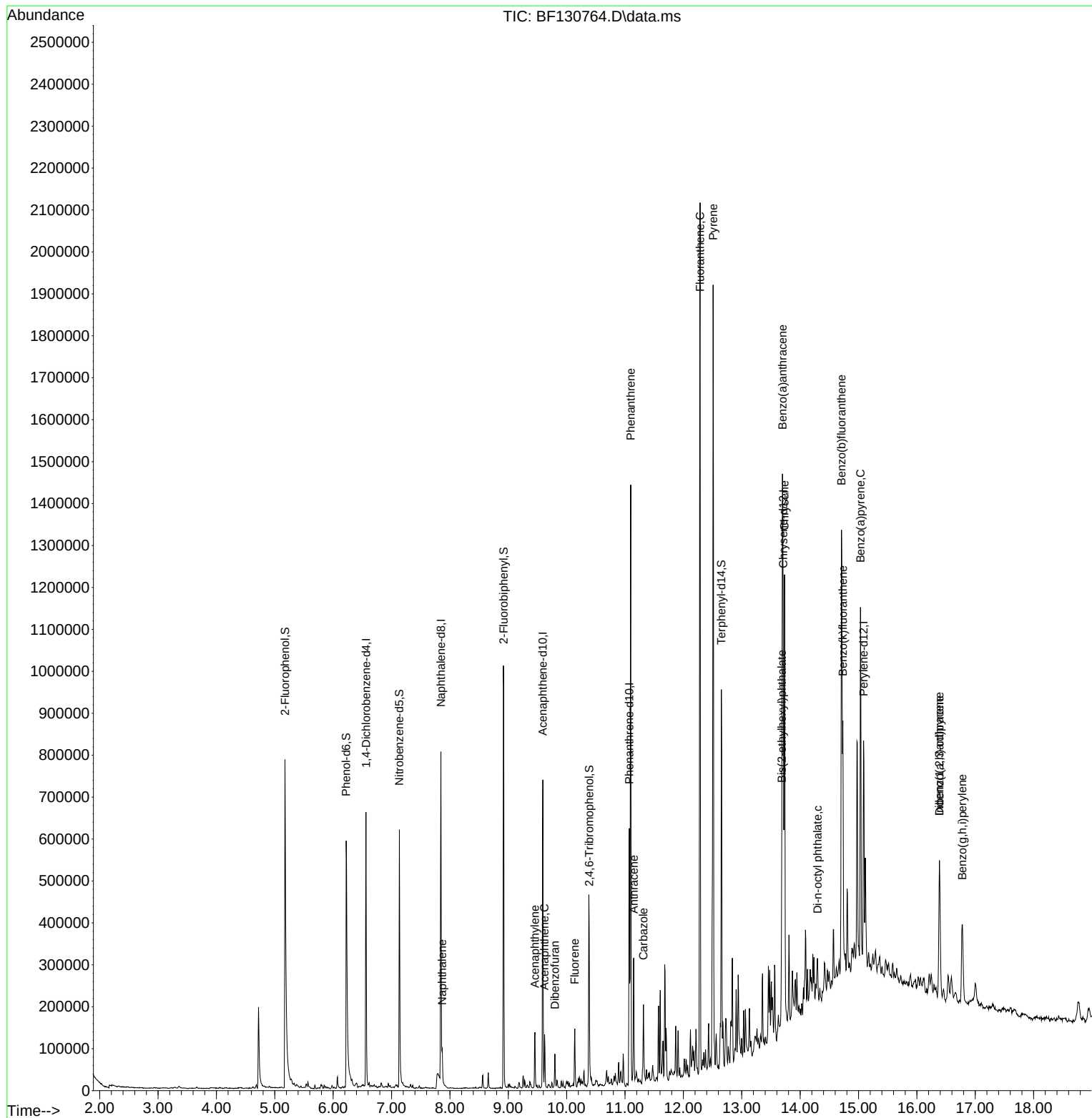
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102422\
Data File : BF130764.D
Acq On : 24 Oct 2022 16:33
Operator : CG\JU
Sample : N5217-04DL 2X
Misc :
ALS Vial : 9 Sample Multiplier: 1

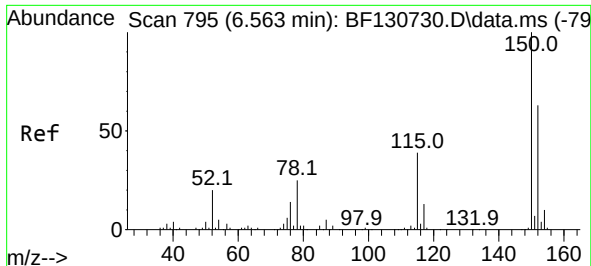
Instrument :
BNA_F
ClientSampleId :
SB-B1-COMPDL

Manual Integrations
APPROVED

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

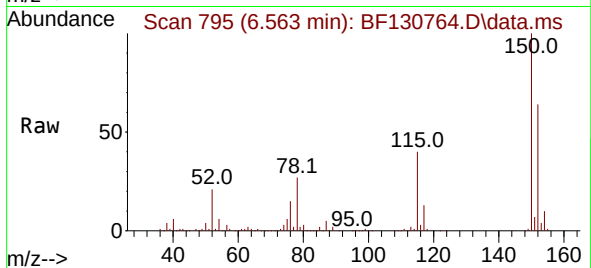
Quant Time: Oct 24 23:24:07 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102022.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 21 06:12:36 2022
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.563 min Scan# 795
Delta R.T. 0.000 min
Lab File: BF130764.D
Acq: 24 Oct 2022 16:33

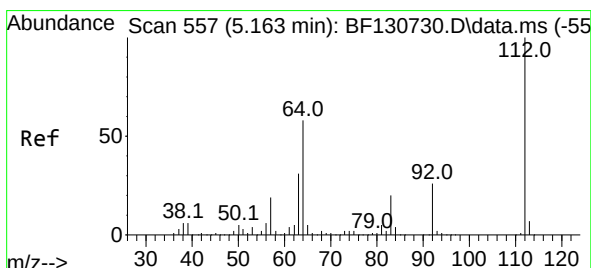
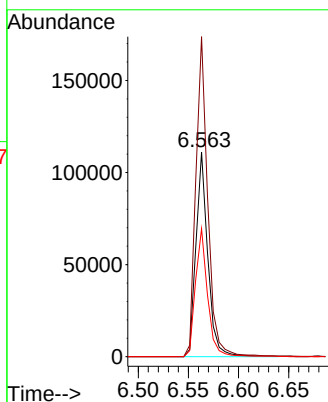
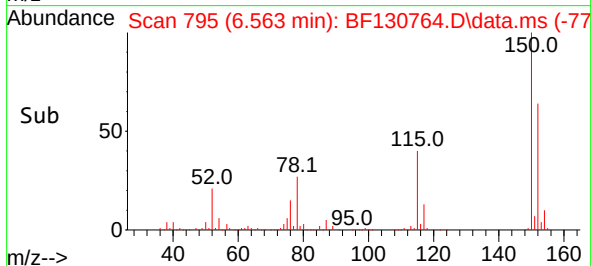
Instrument :
BNA_F
ClientSampleId :
SB-B1-COMPDL



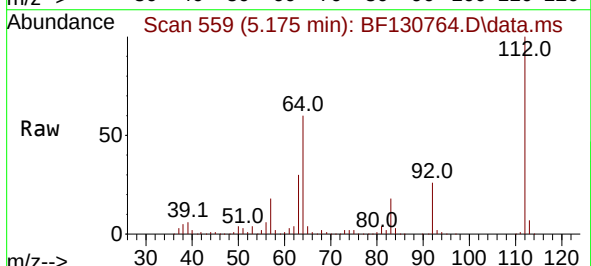
Tgt Ion:152 Resp: 9172
Ion Ratio Lower Upper
152 100
150 156.3 127.0 190.6
115 62.6 49.9 74.9

Manual Integrations
APPROVED

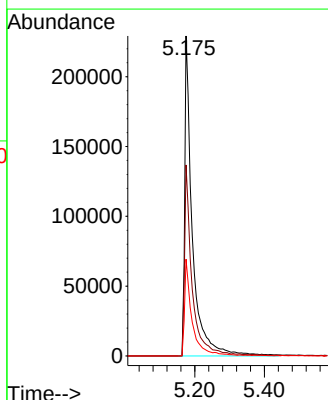
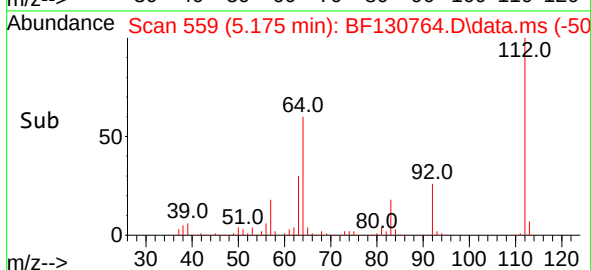
Reviewed By :Christian Giraldo 10/25/2022
Supervised By :mohammad ahmed 10/27/2022

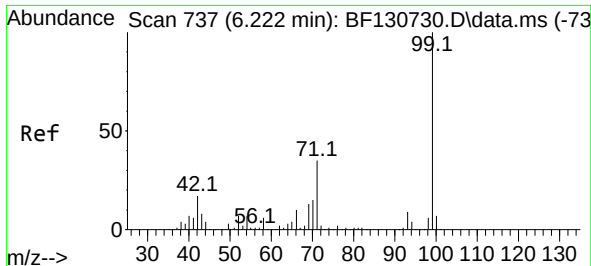


#5
2-Fluorophenol
Concen: 66.534 ng
RT: 5.175 min Scan# 559
Delta R.T. 0.012 min
Lab File: BF130764.D
Acq: 24 Oct 2022 16:33



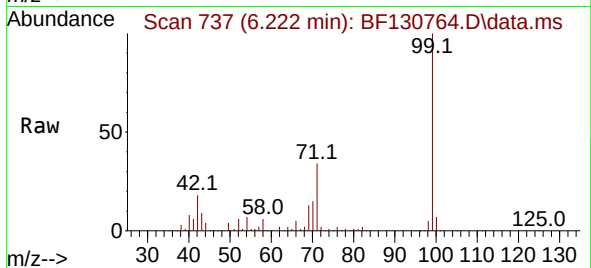
Tgt Ion:112 Resp: 353897
Ion Ratio Lower Upper
112 100
64 59.7 46.2 69.4
63 30.3 25.1 37.7





#7
Phenol-d6
Concen: 49.658 ng
RT: 6.222 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF130764.D
Acq: 24 Oct 2022 16:33

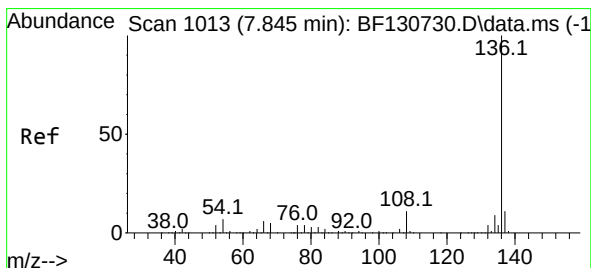
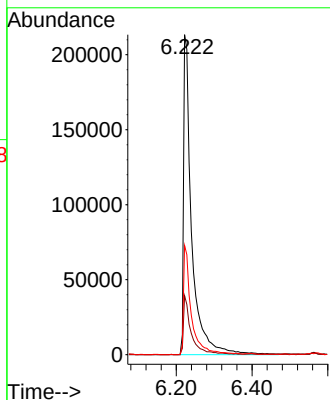
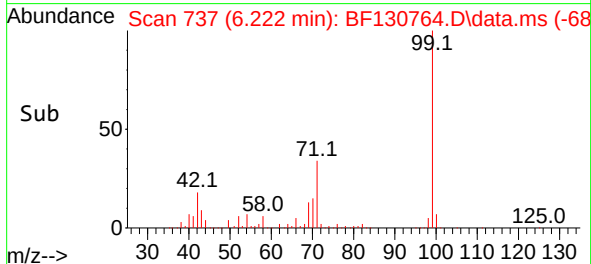
Instrument :
BNA_F
ClientSampleId :
SB-B1-COMPDL



Tgt Ion: 99 Resp: 31958
Ion Ratio Lower Upper
99 100
42 18.4 13.8 20.8
71 34.1 28.3 42.5

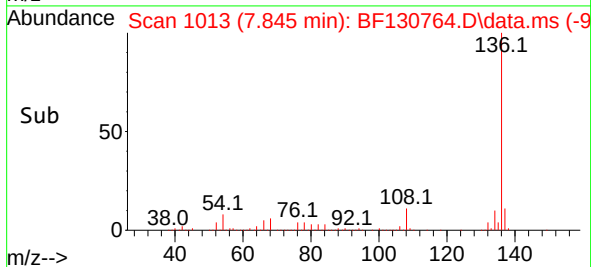
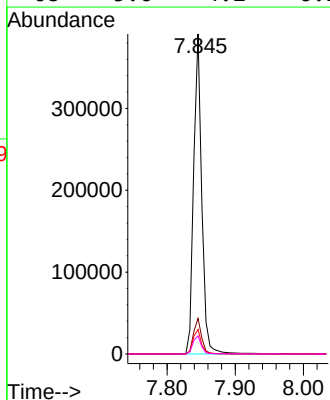
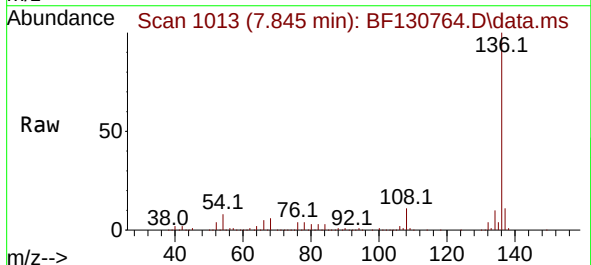
Manual Integrations
APPROVED

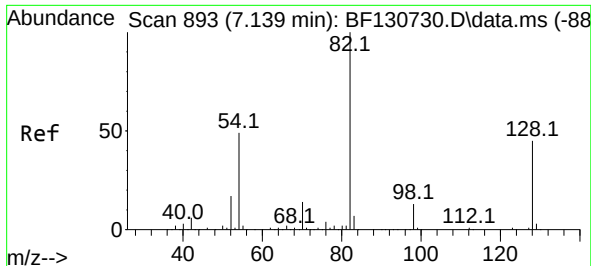
Reviewed By :Christian Giraldo 10/25/2022
Supervised By :mohammad ahmed 10/27/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.845 min Scan# 1013
Delta R.T. 0.000 min
Lab File: BF130764.D
Acq: 24 Oct 2022 16:33

Tgt Ion:136 Resp: 322314
Ion Ratio Lower Upper
136 100
137 11.1 9.1 13.7
54 7.7 5.8 8.8
68 5.6 4.2 6.2





#23

Nitrobenzene-d5

Concen: 31.597 ng

RT: 7.134 min Scan# 893

Delta R.T. -0.005 min

Lab File: BF130764.D

Acq: 24 Oct 2022 16:33

Instrument :

BNA_F

ClientSampleId :

SB-B1-COMPDL

Tgt Ion: 82 Resp: 191978

Ion Ratio Lower Upper

82 100

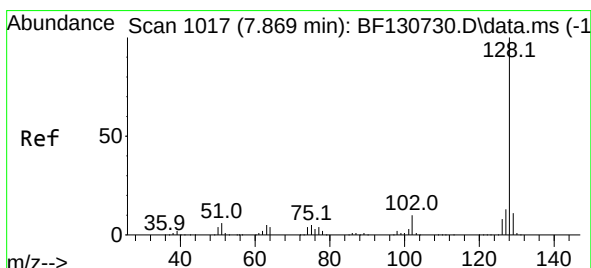
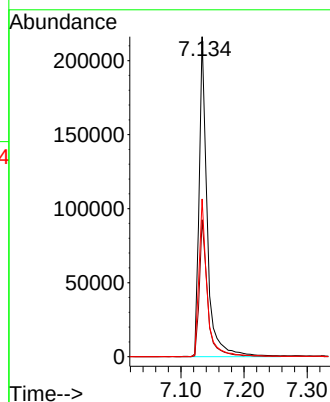
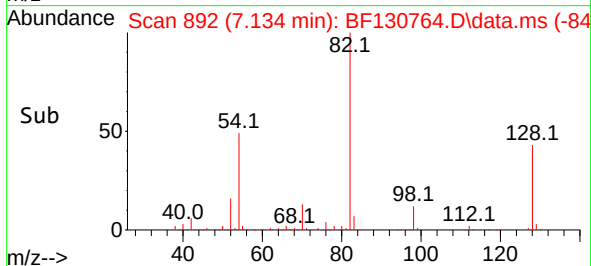
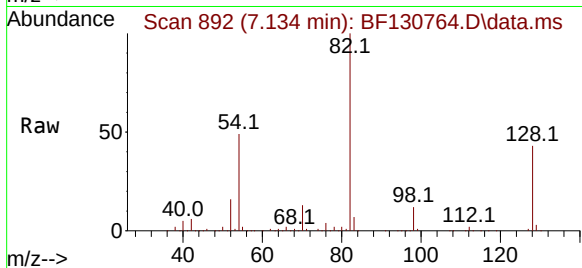
128 42.8 35.9 53.9

54 49.3 39.2 58.8

Manual Integrations

APPROVED

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



#31

Naphthalene

Concen: 2.070 ng

RT: 7.869 min Scan# 1017

Delta R.T. 0.000 min

Lab File: BF130764.D

Acq: 24 Oct 2022 16:33

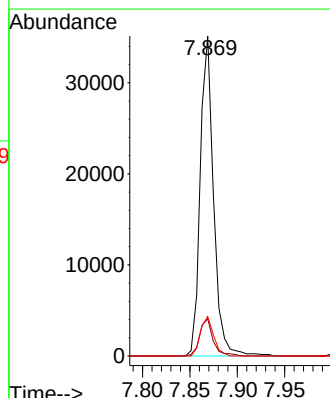
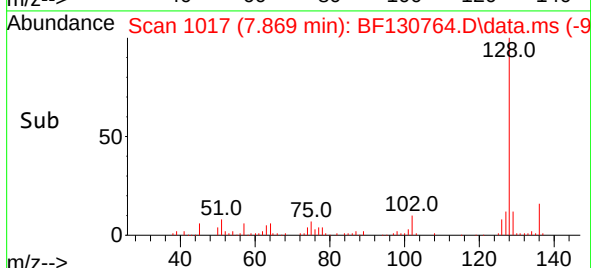
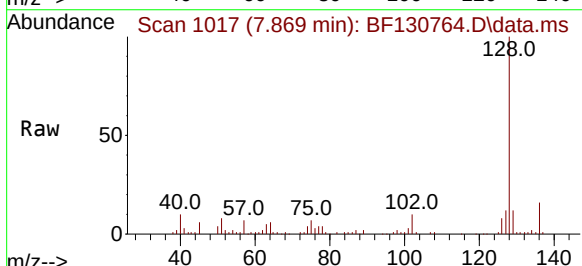
Tgt Ion:128 Resp: 34405

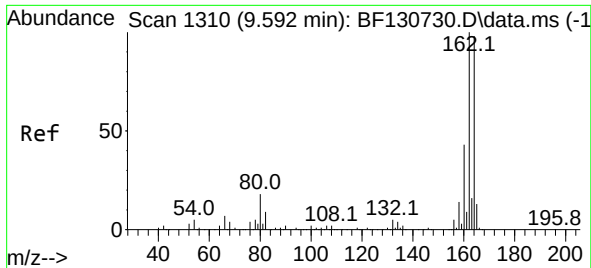
Ion Ratio Lower Upper

128 100

129 11.6 8.9 13.3

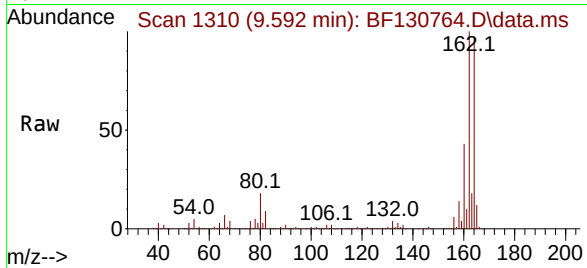
127 12.3 10.6 16.0





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.592 min Scan# 1310
Delta R.T. 0.000 min
Lab File: BF130764.D
Acq: 24 Oct 2022 16:33

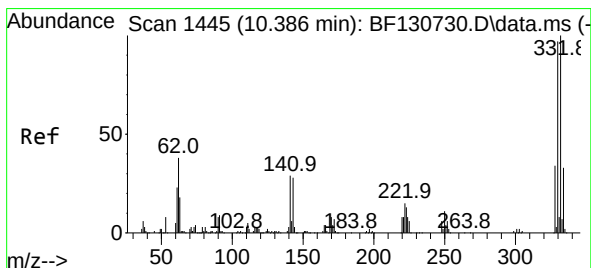
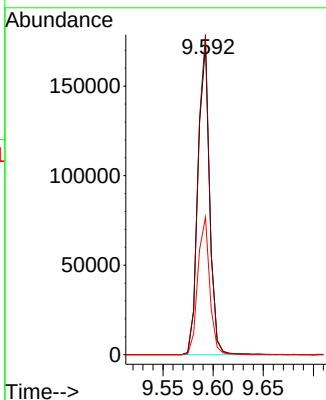
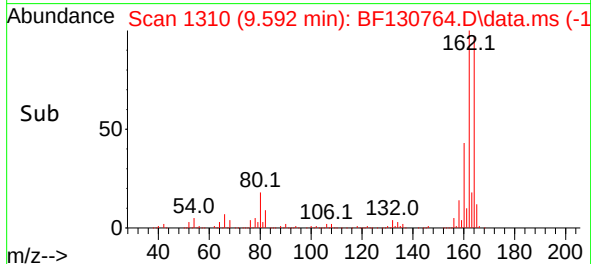
Instrument :
BNA_F
ClientSampleId :
SB-B1-COMPDL



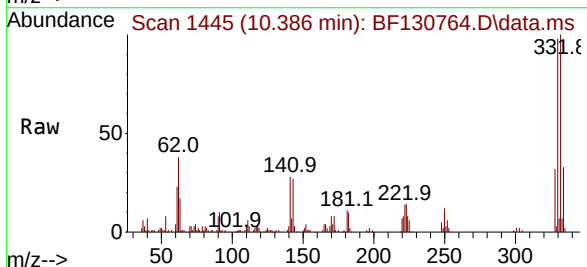
Tgt Ion:164 Resp: 140110
Ion Ratio Lower Upper
164 100
162 103.3 81.4 122.0
160 44.4 35.0 52.4

Manual Integrations
APPROVED

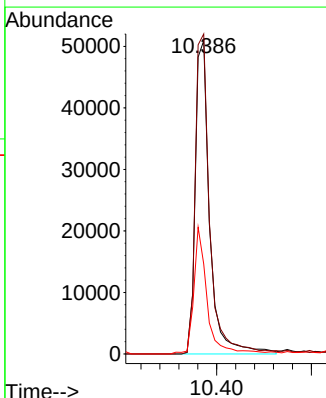
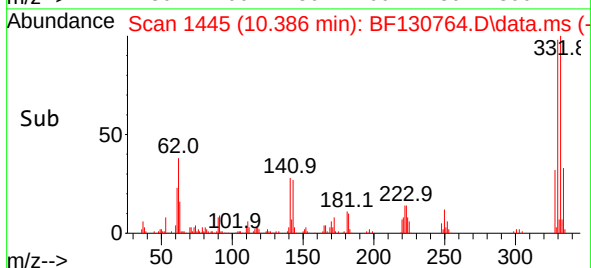
Reviewed By :Christian Giraldo 10/25/2022
Supervised By :mohammad ahmed 10/27/2022

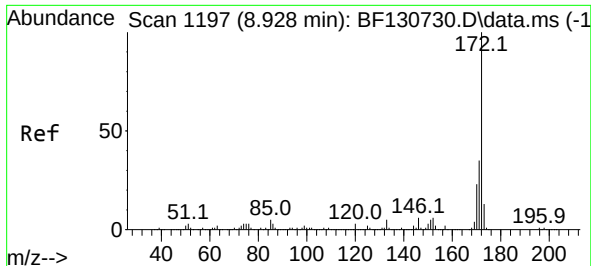


#42
2,4,6-Tribromophenol
Concen: 40.401 ng
RT: 10.386 min Scan# 1445
Delta R.T. 0.000 min
Lab File: BF130764.D
Acq: 24 Oct 2022 16:33



Tgt Ion:330 Resp: 53832
Ion Ratio Lower Upper
330 100
332 104.1 81.4 122.2
141 37.8 24.6 37.0#





#45

2-Fluorobiphenyl

Concen: 33.374 ng

RT: 8.922 min Scan# 1197

Delta R.T. -0.006 min

Lab File: BF130764.D

Acq: 24 Oct 2022 16:33

Instrument :

BNA_F

ClientSampleId :

SB-B1-COMPDL

Tgt Ion:172 Resp: 306830

Ion Ratio Lower Upper

172 100

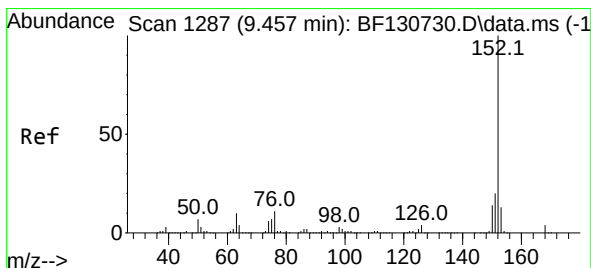
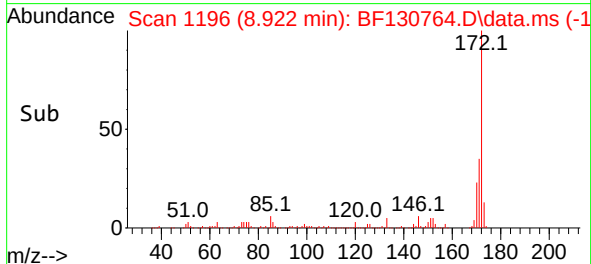
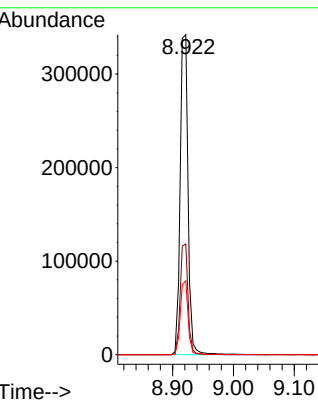
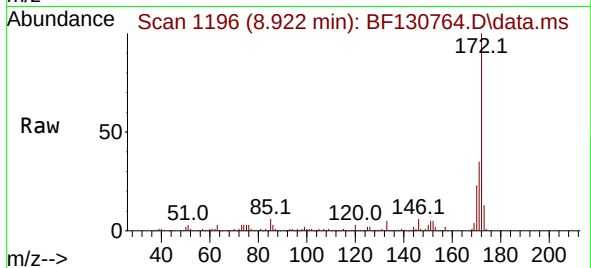
171 34.6 28.2 42.2

170 23.1 18.5 27.7

Manual Integrations

APPROVED

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



#49

Acenaphthylene

Concen: 4.967 ng

RT: 9.457 min Scan# 1287

Delta R.T. 0.000 min

Lab File: BF130764.D

Acq: 24 Oct 2022 16:33

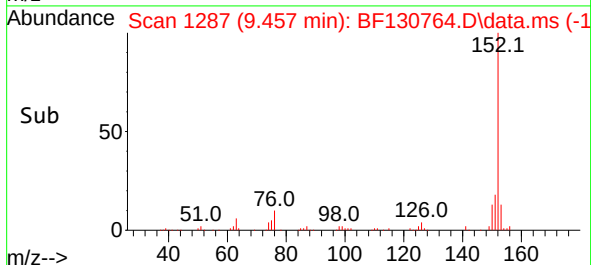
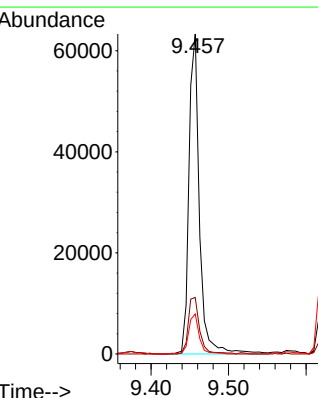
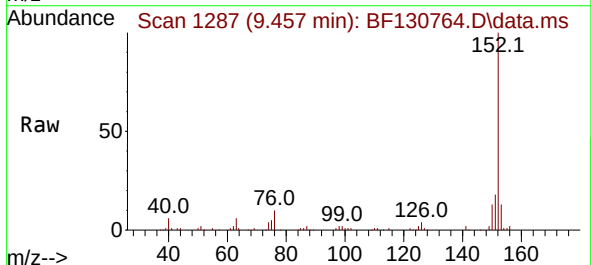
Tgt Ion:152 Resp: 59473

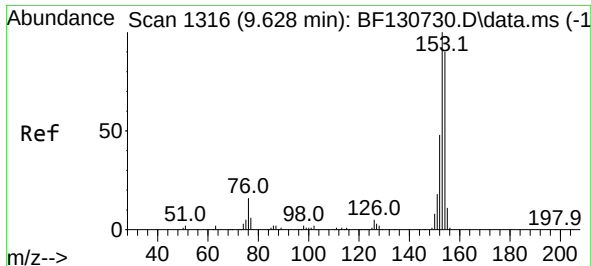
Ion Ratio Lower Upper

152 100

151 17.6 16.0 24.0

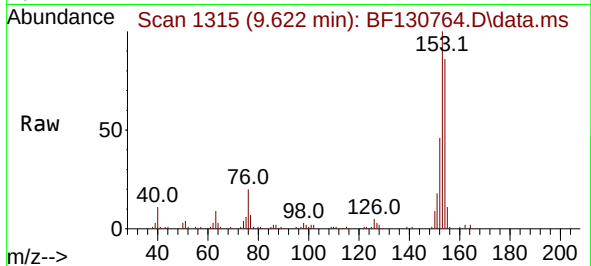
153 12.5 10.5 15.7





#52
Acenaphthene
Concen: 3.414 ng
RT: 9.622 min Scan# 1316
Delta R.T. -0.006 min
Lab File: BF130764.D
Acq: 24 Oct 2022 16:33

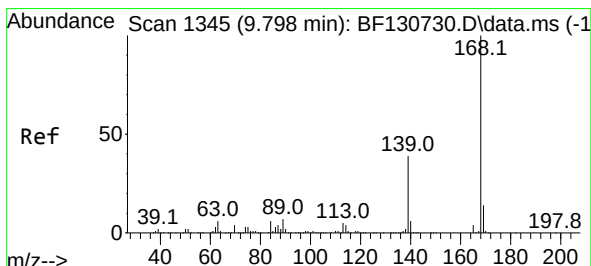
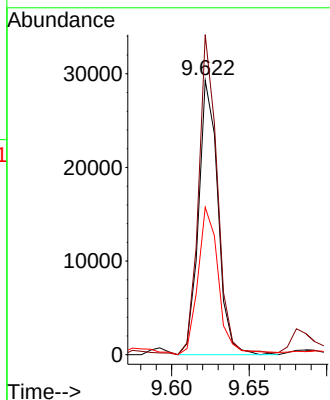
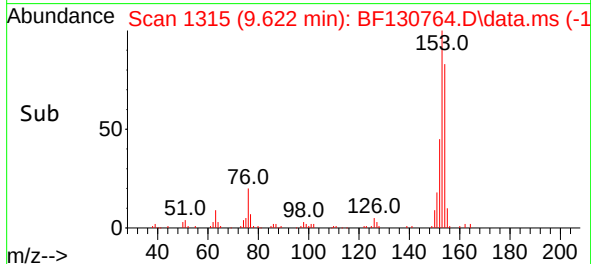
Instrument :
BNA_F
ClientSampleId :
SB-B1-COMPDL



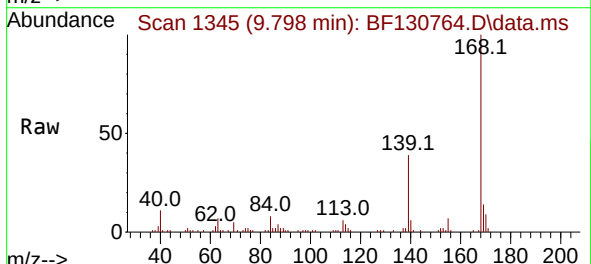
Tgt Ion:154 Resp: 2541
Ion Ratio Lower Upper
154 100
153 116.7 88.4 132.6
152 53.7 42.0 63.0

Manual Integrations
APPROVED

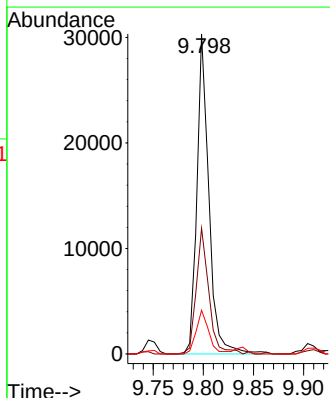
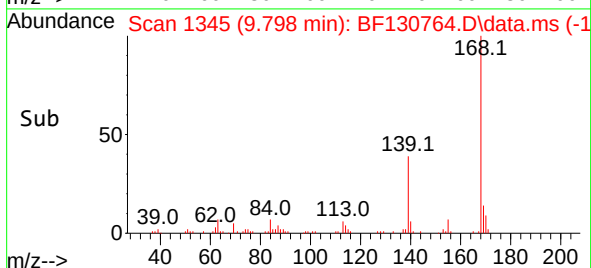
Reviewed By :Christian Giraldo 10/25/2022
Supervised By :mohammad ahmed 10/27/2022

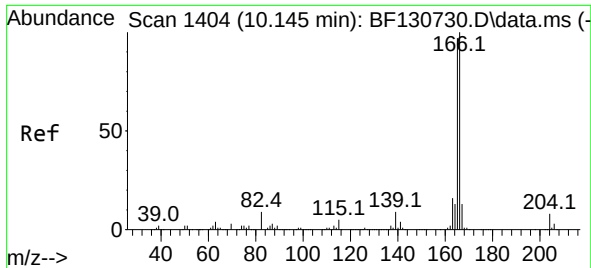


#55
Dibenzofuran
Concen: 2.214 ng
RT: 9.798 min Scan# 1345
Delta R.T. 0.000 min
Lab File: BF130764.D
Acq: 24 Oct 2022 16:33



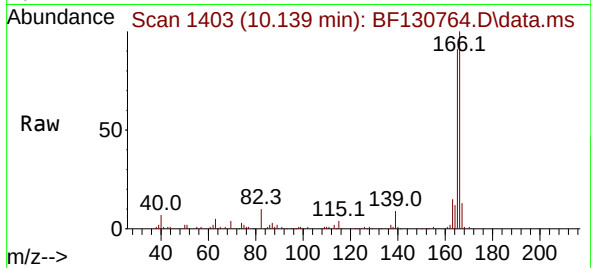
Tgt Ion:168 Resp: 25361
Ion Ratio Lower Upper
168 100
139 39.3 34.3 51.5
169 13.6 11.0 16.6





#58
Fluorene
Concen: 4.160 ng
RT: 10.139 min Scan# 1403
Delta R.T. -0.006 min
Lab File: BF130764.D
Acq: 24 Oct 2022 16:33

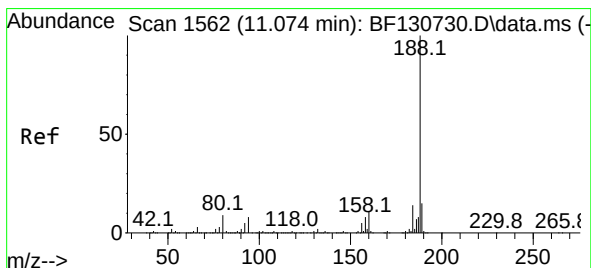
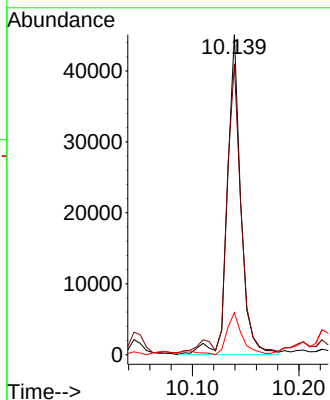
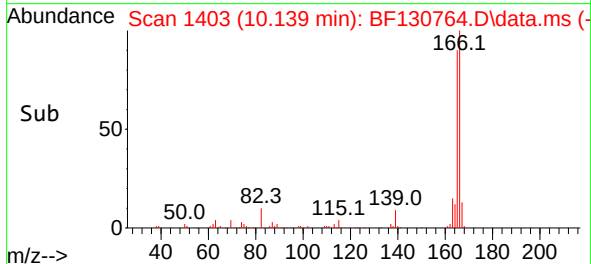
Instrument :
BNA_F
ClientSampleId :
SB-B1-COMPDL



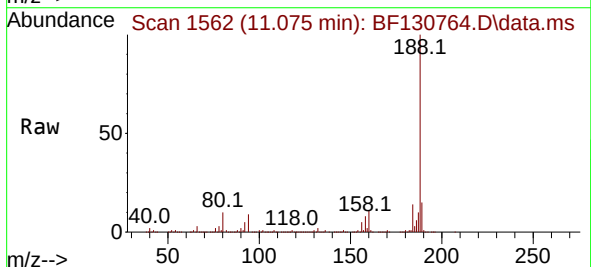
Tgt Ion:166 Resp: 39639
Ion Ratio Lower Upper
166 100
165 90.9 77.6 116.4
167 13.2 10.3 15.5

Manual Integrations
APPROVED

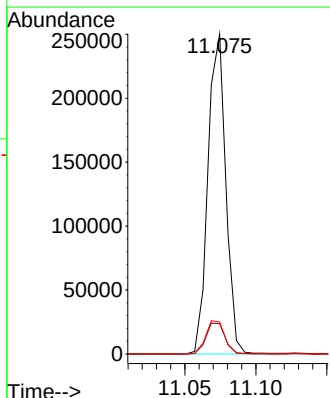
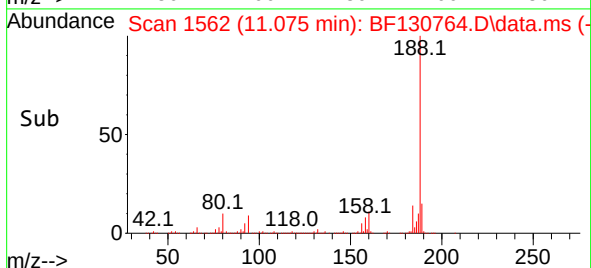
Reviewed By :Christian Giraldo 10/25/2022
Supervised By :mohammad ahmed 10/27/2022

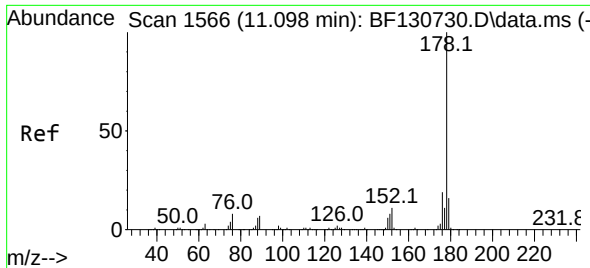


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.075 min Scan# 1562
Delta R.T. 0.000 min
Lab File: BF130764.D
Acq: 24 Oct 2022 16:33



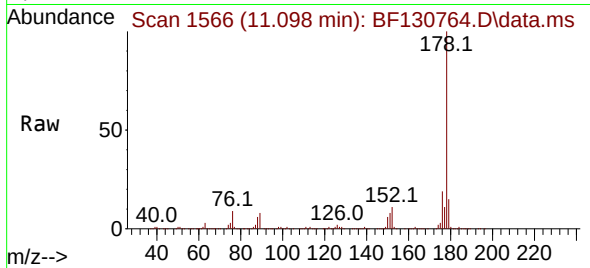
Tgt Ion:188 Resp: 218515
Ion Ratio Lower Upper
188 100
94 9.5 6.7 10.1
80 10.0 7.4 11.0





#71
Phenanthrene
Concen: 39.736 ng
RT: 11.098 min Scan# 1566
Delta R.T. 0.000 min
Lab File: BF130764.D
Acq: 24 Oct 2022 16:33

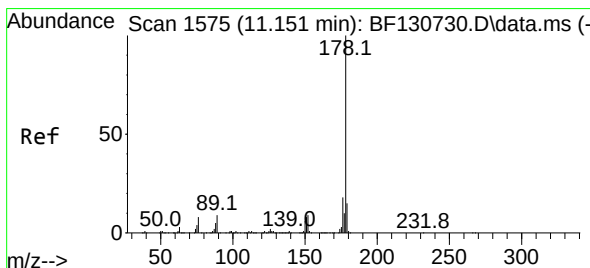
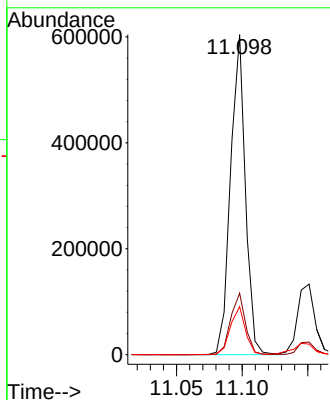
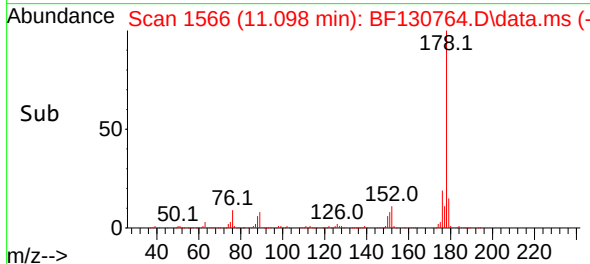
Instrument :
BNA_F
ClientSampleId :
SB-B1-COMPDL



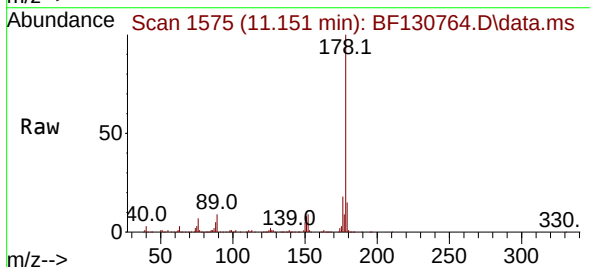
Tgt Ion:178 Resp: 476149
Ion Ratio Lower Upper
178 100
176 19.2 15.1 22.7
179 15.0 12.4 18.6

Manual Integrations
APPROVED

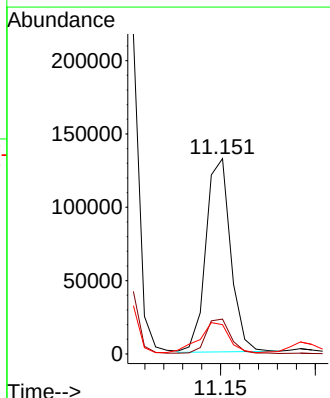
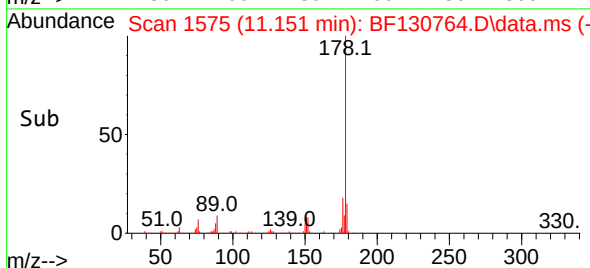
Reviewed By :Christian Giraldo 10/25/2022
Supervised By :mohammad ahmed 10/27/2022

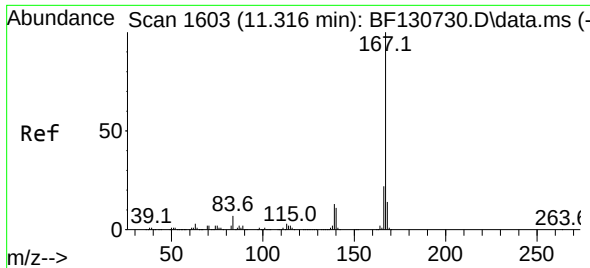


#72
Anthracene
Concen: 10.035 ng
RT: 11.151 min Scan# 1575
Delta R.T. 0.000 min
Lab File: BF130764.D
Acq: 24 Oct 2022 16:33



Tgt Ion:178 Resp: 120000
Ion Ratio Lower Upper
178 100
176 17.8 14.6 21.8
179 15.0 12.4 18.6





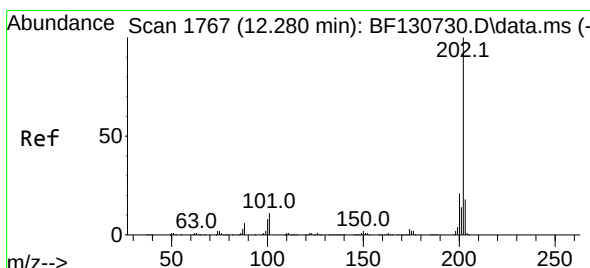
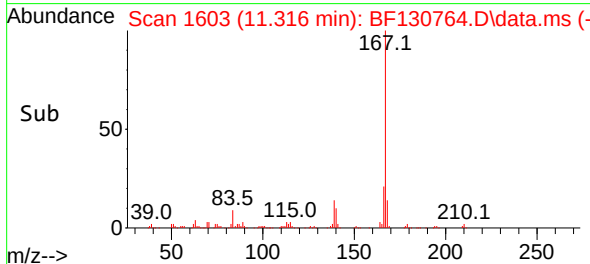
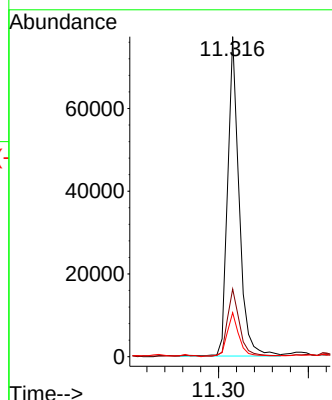
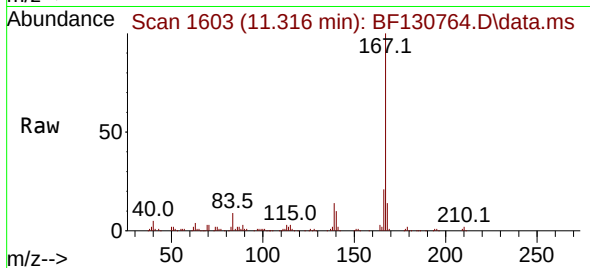
#73
 Carbazole
 Concen: 6.205 ng
 RT: 11.316 min Scan# 1603
 Delta R.T. 0.000 min
 Lab File: BF130764.D
 Acq: 24 Oct 2022 16:33

Instrument :
 BNA_F
 ClientSampleId :
 SB-B1-COMPDL

Tgt Ion:167 Resp: 68500
 Ion Ratio Lower Upper
 167 100
 166 21.2 17.3 25.9
 139 13.7 10.7 16.1

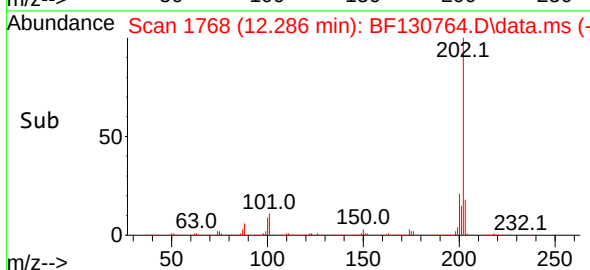
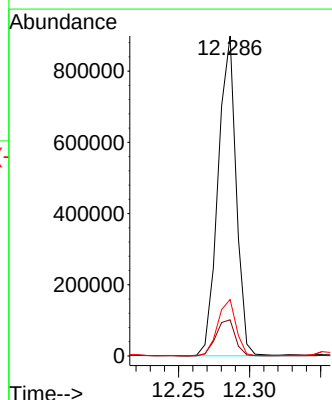
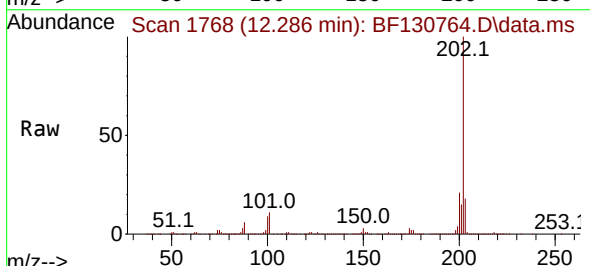
Manual Integrations
 APPROVED

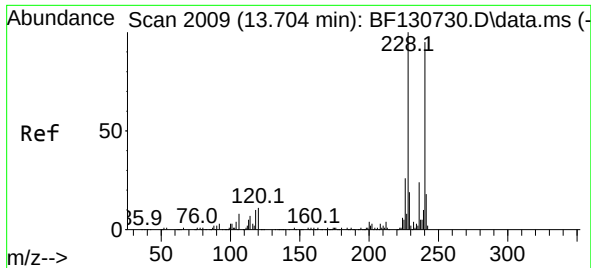
Reviewed By :Christian Giraldo 10/25/2022
 Supervised By :mohammad ahmed 10/27/2022



#75
 Fluoranthene
 Concen: 65.652 ng
 RT: 12.286 min Scan# 1768
 Delta R.T. 0.006 min
 Lab File: BF130764.D
 Acq: 24 Oct 2022 16:33

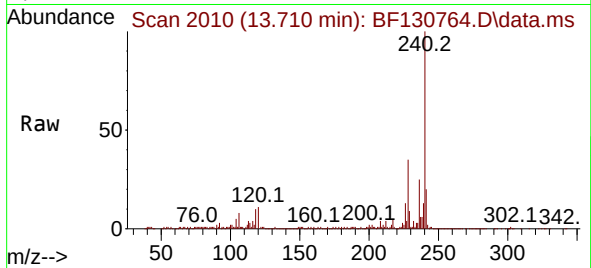
Tgt Ion:202 Resp: 795309
 Ion Ratio Lower Upper
 202 100
 101 11.3 0.0 31.0
 203 17.6 0.0 37.6





#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.710 min Scan# 2009
Delta R.T. 0.006 min
Lab File: BF130764.D
Acq: 24 Oct 2022 16:33

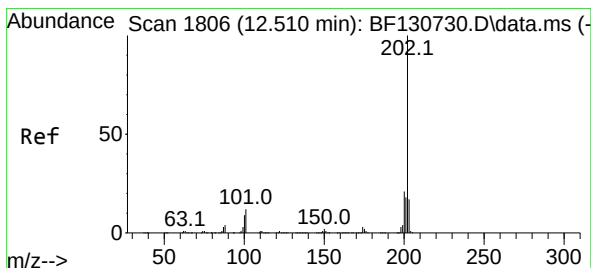
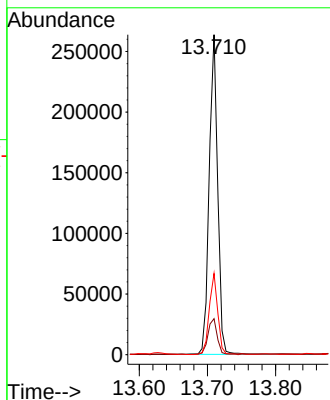
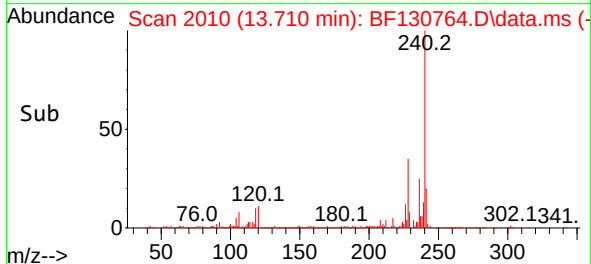
Instrument :
BNA_F
ClientSampleId :
SB-B1-COMPDL



Tgt Ion:240 Resp: 22792
Ion Ratio Lower Upper
240 100
120 11.3 9.6 14.4
236 25.4 20.2 30.2

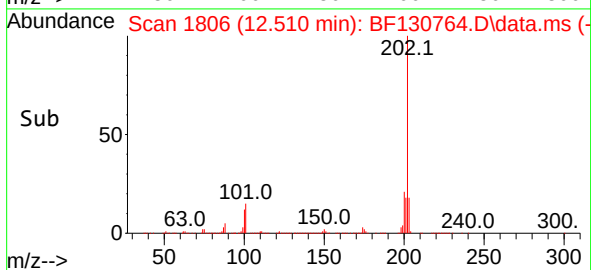
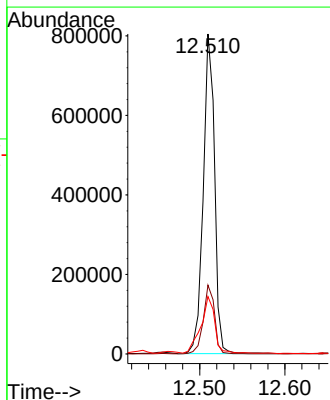
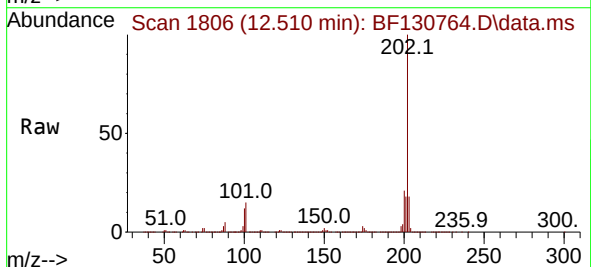
Manual Integrations
APPROVED

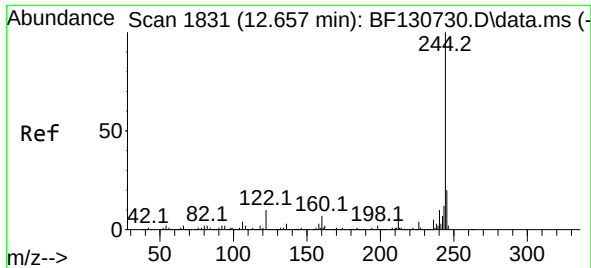
Reviewed By :Christian Giraldo 10/25/2022
Supervised By :mohammad ahmed 10/27/2022



#78
Pyrene
Concen: 38.768 ng
RT: 12.510 min Scan# 1806
Delta R.T. 0.000 min
Lab File: BF130764.D
Acq: 24 Oct 2022 16:33

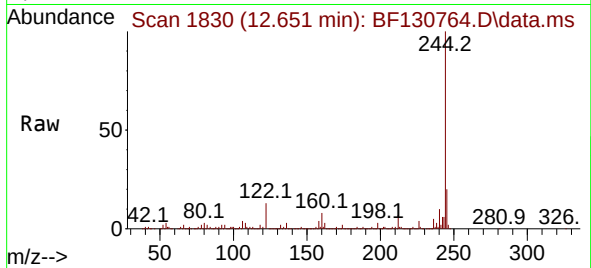
Tgt Ion:202 Resp: 741683
Ion Ratio Lower Upper
202 100
200 21.5 16.8 25.2
203 18.0 13.8 20.8





#79
 Terphenyl-d14
 Concen: 21.768 ng
 RT: 12.651 min Scan# 1831
 Delta R.T. -0.006 min
 Lab File: BF130764.D
 Acq: 24 Oct 2022 16:33

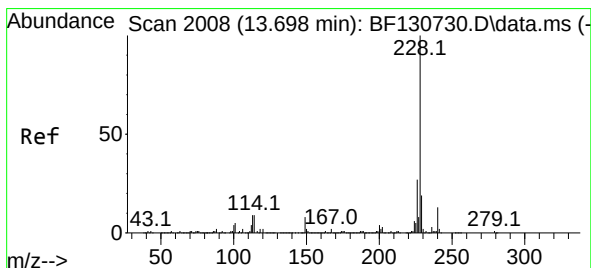
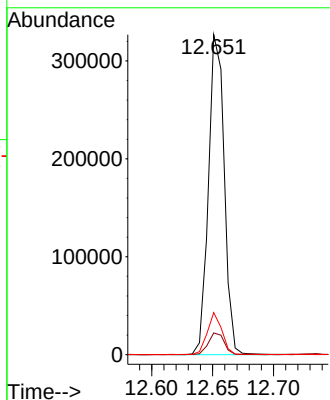
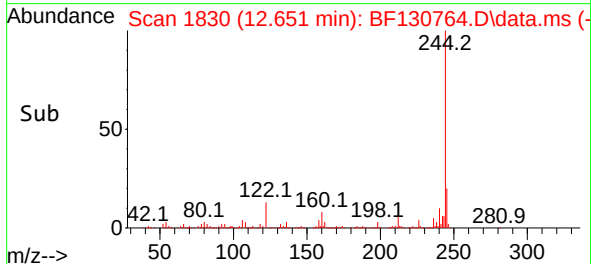
Instrument :
 BNA_F
 ClientSampleId :
 SB-B1-COMPDL



Tgt Ion:244 Resp: 29441
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.4 8.0
 122 13.2 8.2 12.4

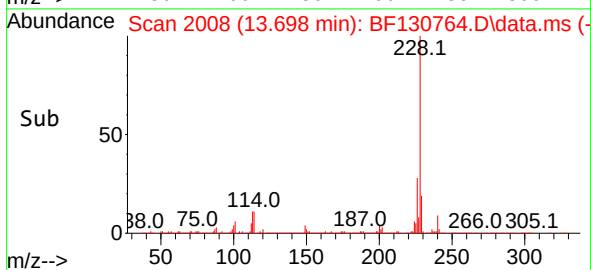
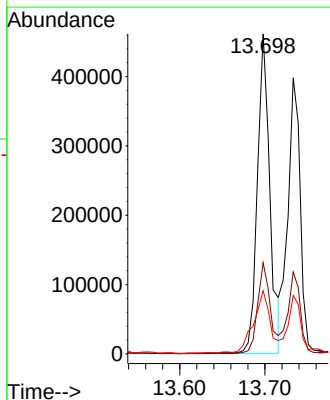
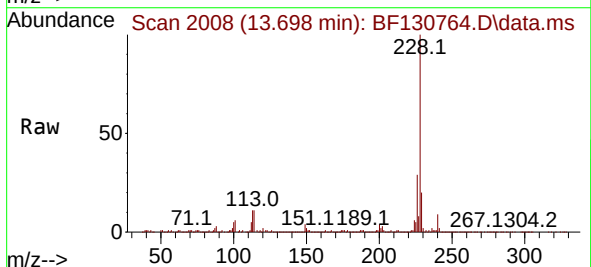
Manual Integrations
 APPROVED

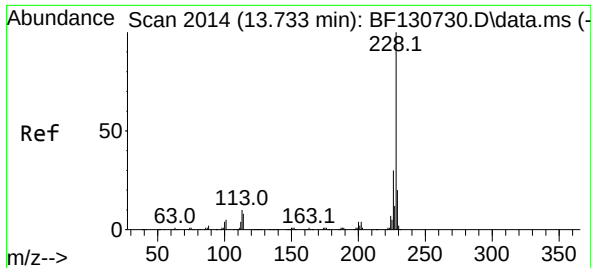
Reviewed By :Christian Giraldo 10/25/2022
 Supervised By :mohammad ahmed 10/27/2022



#81
 Benzo(a)anthracene
 Concen: 30.829 ng
 RT: 13.698 min Scan# 2008
 Delta R.T. -0.000 min
 Lab File: BF130764.D
 Acq: 24 Oct 2022 16:33

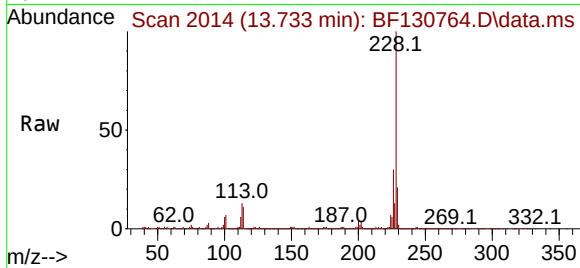
Tgt Ion:228 Resp: 469509
 Ion Ratio Lower Upper
 228 100
 226 28.5 21.8 32.8
 229 19.8 15.4 23.2





#83
Chrysene
Concen: 27.123 ng
RT: 13.733 min Scan# 2014
Delta R.T. 0.000 min
Lab File: BF130764.D
Acq: 24 Oct 2022 16:33

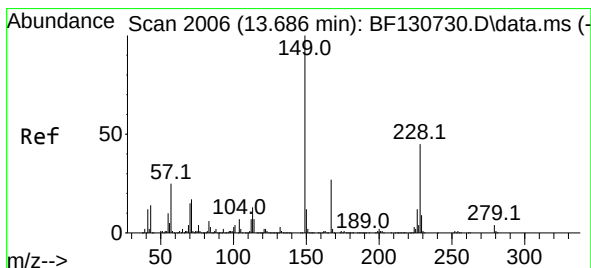
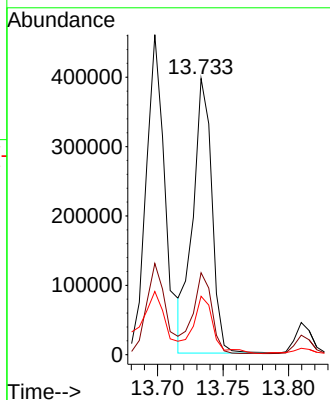
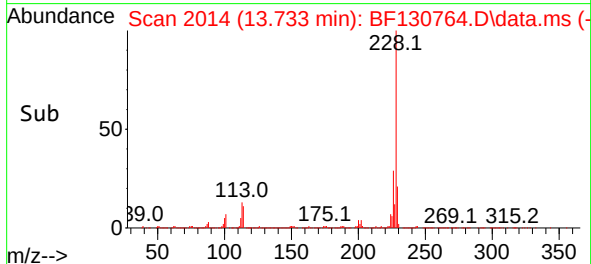
Instrument :
BNA_F
ClientSampleId :
SB-B1-COMPDL



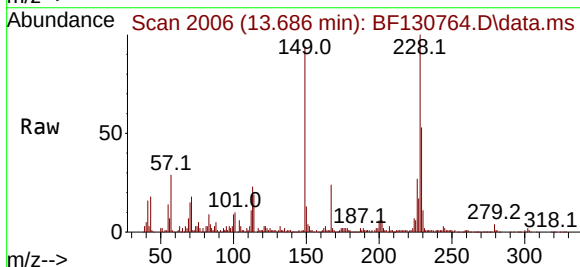
Tgt Ion:228 Resp: 400224
Ion Ratio Lower Upper
228 100
226 29.7 23.6 35.4
229 21.2 15.8 23.6

Manual Integrations
APPROVED

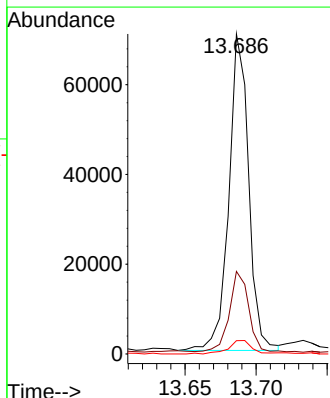
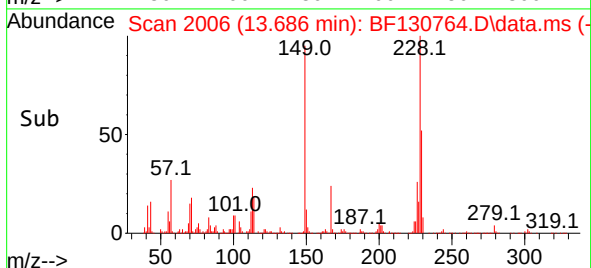
Reviewed By :Christian Giraldo 10/25/2022
Supervised By :mohammad ahmed 10/27/2022

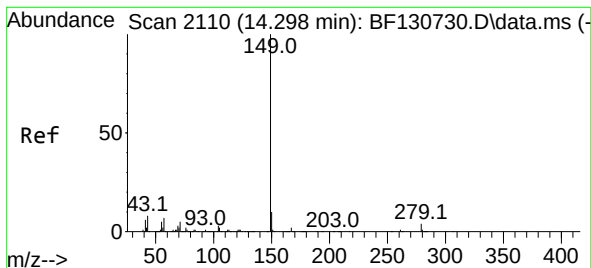


#84
Bis(2-ethylhexyl)phthalate
Concen: 7.605 ng
RT: 13.686 min Scan# 2006
Delta R.T. 0.000 min
Lab File: BF130764.D
Acq: 24 Oct 2022 16:33



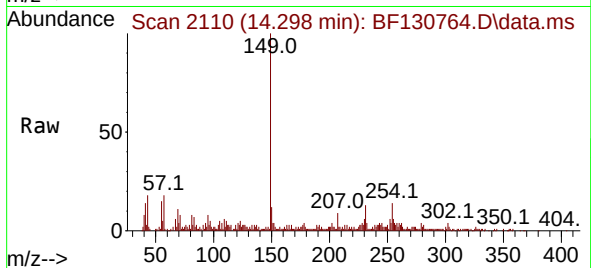
Tgt Ion:149 Resp: 68388
Ion Ratio Lower Upper
149 100
167 25.8 21.5 32.3
279 4.1 3.4 5.0





#85
Di-n-octyl phthalate
Concen: 3.386 ng
RT: 14.298 min Scan# 2110
Delta R.T. 0.000 min
Lab File: BF130764.D
Acq: 24 Oct 2022 16:33

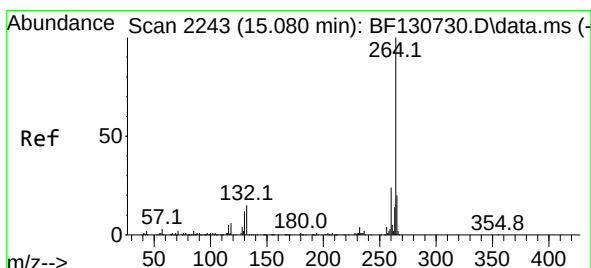
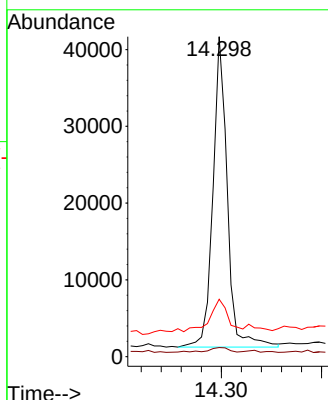
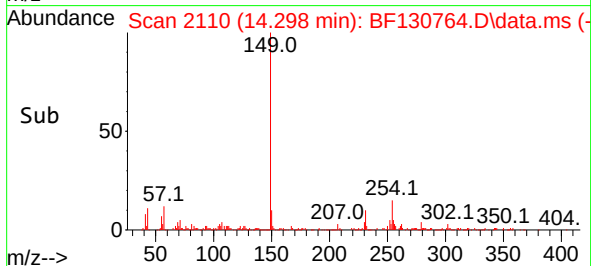
Instrument :
BNA_F
ClientSampleId :
SB-B1-COMPDL



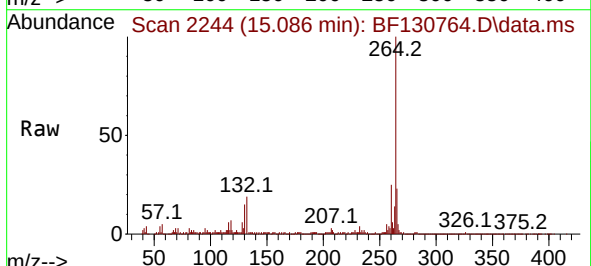
Tgt Ion:149 Resp: 4014
Ion Ratio Lower Upper
149 100
167 2.7 1.2 1.8
43 18.6 7.0 10.4

Manual Integrations
APPROVED

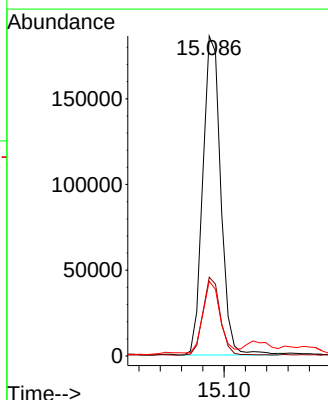
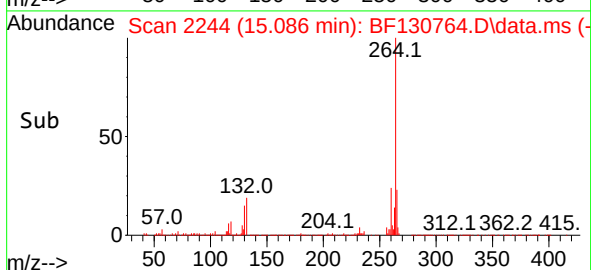
Reviewed By :Christian Giraldo 10/25/2022
Supervised By :mohammad ahmed 10/27/2022

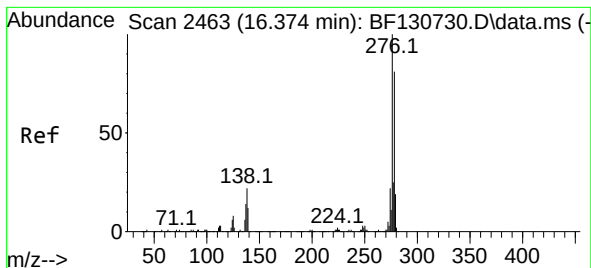


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.086 min Scan# 2244
Delta R.T. 0.006 min
Lab File: BF130764.D
Acq: 24 Oct 2022 16:33



Tgt Ion:264 Resp: 218093
Ion Ratio Lower Upper
264 100
260 24.6 18.8 28.2
265 23.4 16.2 24.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 11.448 ng

RT: 16.386 min Scan# 2465

Delta R.T. 0.012 min

Lab File: BF130764.D

Acq: 24 Oct 2022 16:33

Instrument :

BNA_F

ClientSampleId :

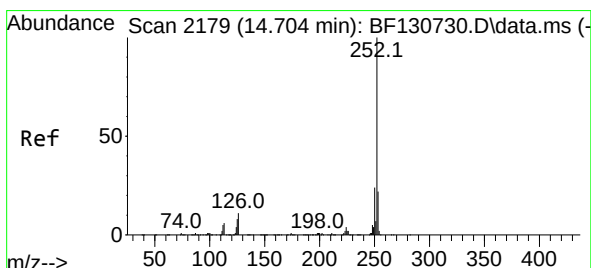
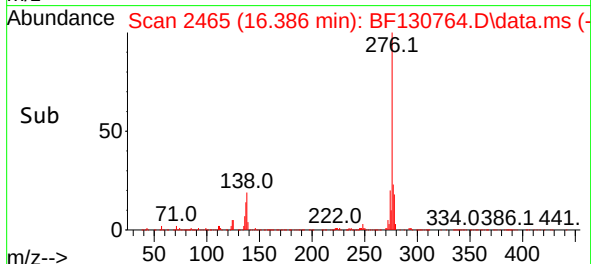
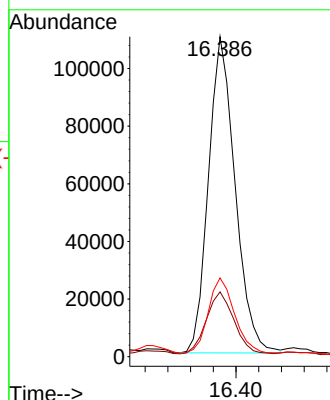
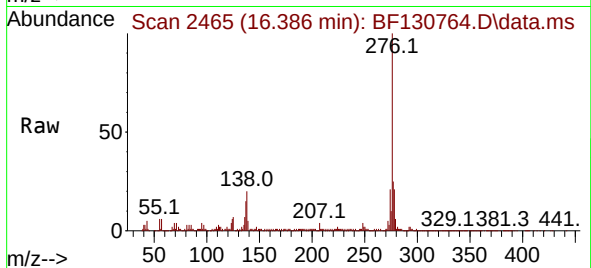
SB-B1-COMPDL

Tgt Ion:276 Resp: 17907
 Ion Ratio Lower Upper
 276 100
 138 20.8 17.2 25.8
 277 23.7 20.1 30.1

Manual Integrations

APPROVED

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



#88

Benzo(b)fluoranthene

Concen: 38.591 ng m

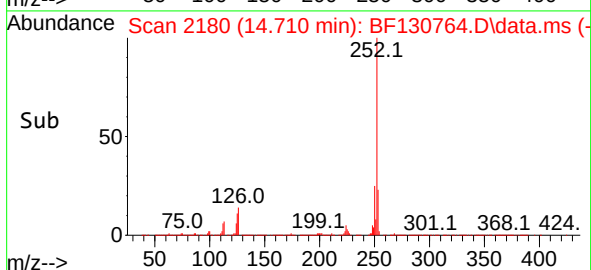
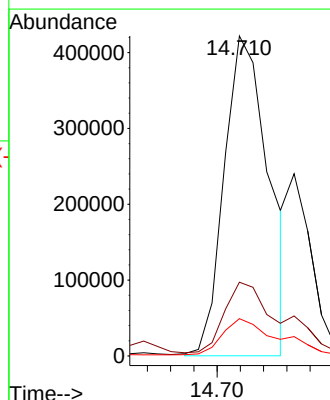
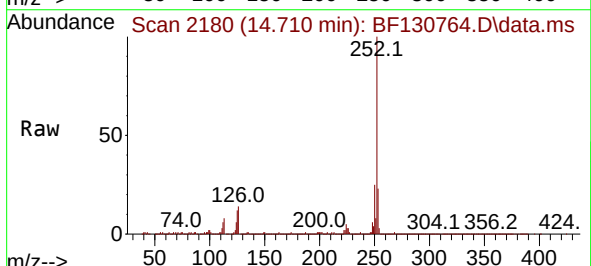
RT: 14.710 min Scan# 2180

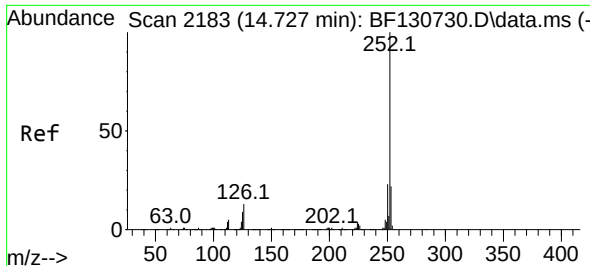
Delta R.T. 0.006 min

Lab File: BF130764.D

Acq: 24 Oct 2022 16:33

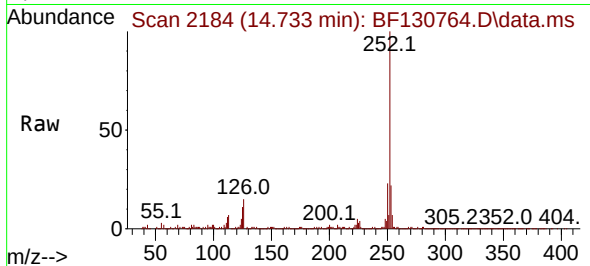
Tgt Ion:252 Resp: 560393
 Ion Ratio Lower Upper
 252 100
 253 23.1 17.4 26.0
 125 11.7 6.4 9.6#





#89
Benzo(k)fluoranthene
Concen: 11.634 ng m
RT: 14.733 min Scan# 2184
Delta R.T. 0.006 min
Lab File: BF130764.D
Acq: 24 Oct 2022 16:33

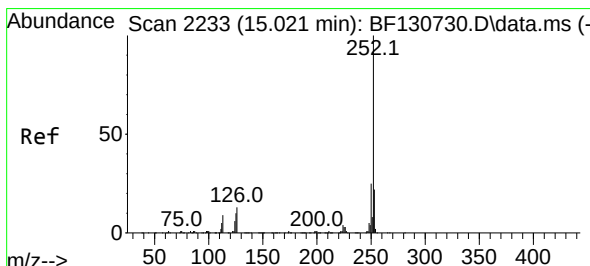
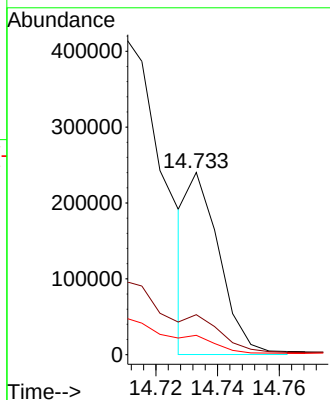
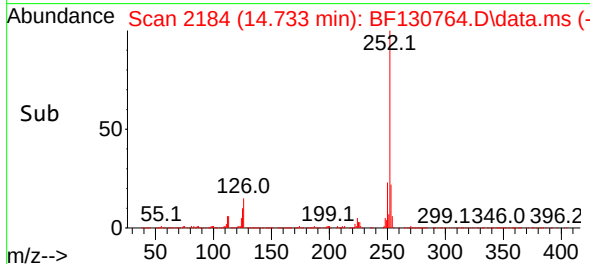
Instrument :
BNA_F
ClientSampleId :
SB-B1-COMPDL



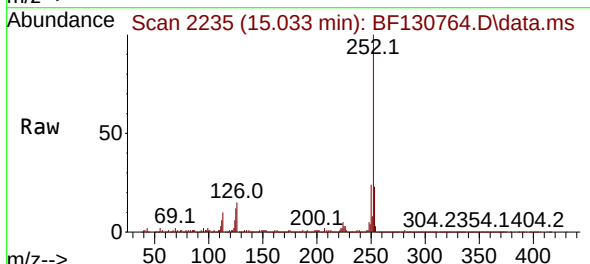
Tgt Ion:252 Resp: 169720
Ion Ratio Lower Upper
252 100
253 22.0 17.7 26.5
125 10.6 7.2 10.8

Manual Integrations
APPROVED

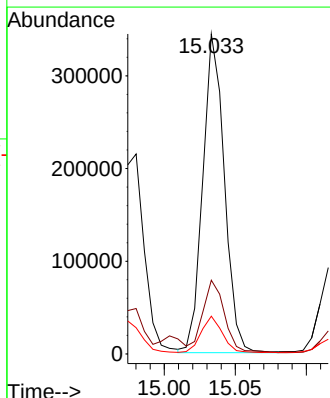
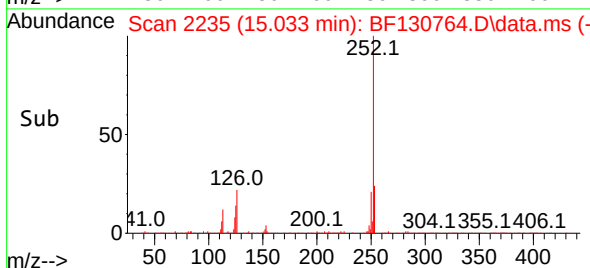
Reviewed By :Christian Giraldo 10/25/2022
Supervised By :mohammad ahmed 10/27/2022

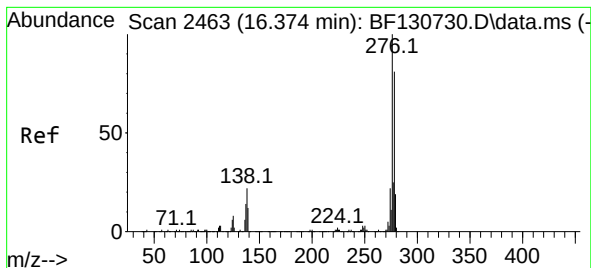


#90
Benzo(a)pyrene
Concen: 31.218 ng
RT: 15.033 min Scan# 2235
Delta R.T. 0.012 min
Lab File: BF130764.D
Acq: 24 Oct 2022 16:33



Tgt Ion:252 Resp: 364095
Ion Ratio Lower Upper
252 100
253 23.0 17.4 26.0
125 11.8 8.3 12.5





#91

Dibenzo(a,h)anthracene

Concen: 3.469 ng

RT: 16.386 min Scan# 2463

Delta R.T. 0.012 min

Lab File: BF130764.D

Acq: 24 Oct 2022 16:33

Instrument :

BNA_F

ClientSampleId :

SB-B1-COMPDL

Tgt Ion:278 Resp: 4484

Ion Ratio Lower Upper

278 100

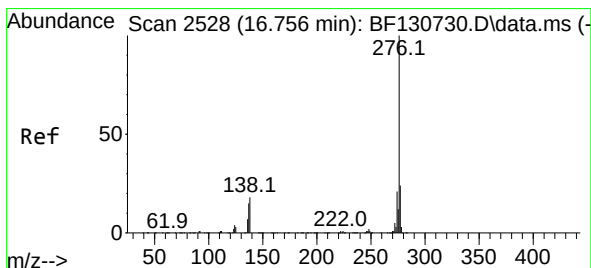
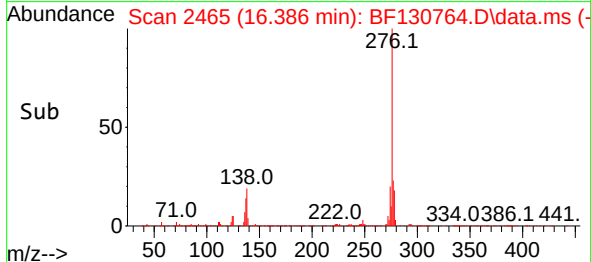
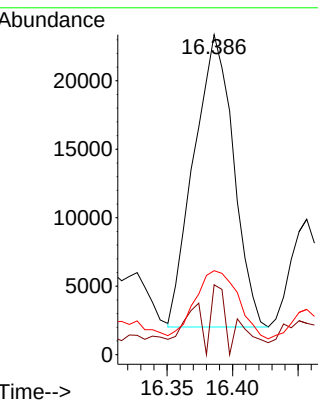
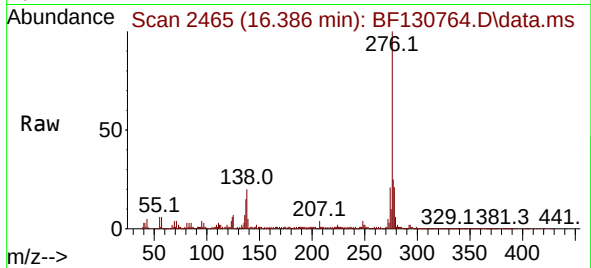
139 21.9 11.4 17.0

279 26.2 18.4 27.6

Manual Integrations

APPROVED

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



#92

Benzo(g,h,i)perylene

Concen: 12.285 ng

RT: 16.780 min Scan# 2532

Delta R.T. 0.024 min

Lab File: BF130764.D

Acq: 24 Oct 2022 16:33

Tgt Ion:276 Resp: 159243

Ion Ratio Lower Upper

276 100

277 23.9 19.1 28.7

138 19.9 14.2 21.2

