

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092122\
 Data File : BF130361.D
 Acq On : 21 Sep 2022 14:55
 Operator : CG\JU
 Sample : N4713-01DL 10X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-03-091922DL

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 09/22/2022
 Supervised By : Jagrut Upadhyay 09/22/2022

Quant Time: Sep 21 16:01:58 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091422.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Sep 19 15:06:14 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.657	152	116920	20.000	ng	0.00
21) Naphthalene-d8	7.940	136	439705	20.000	ng	# 0.00
39) Acenaphthene-d10	9.687	164	195523	20.000	ng	0.00
64) Phenanthrene-d10	11.169	188	262111	20.000	ng	0.00
76) Chrysene-d12	13.798	240	241892	20.000	ng	0.00
86) Perylene-d12	15.192	264	270704	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.251	112	71087	10.545	ng	0.00
7) Phenol-d6	6.293	99	85882	10.182	ng	0.00
23) Nitrobenzene-d5	7.216	82	53928	6.266	ng	-0.02
42) 2,4,6-Tribromophenol	10.475	330	14387	7.679	ng	0.00
45) 2-Fluorobiphenyl	9.010	172	96051	7.154	ng	-0.01
79) Terphenyl-d14	12.751	244	70079	4.799	ng	0.00
Target Compounds						Qvalue
52) Acenaphthene	9.716	154	27832	2.392	ng	96
58) Fluorene	10.234	166	39265	2.966	ng	# 97
71) Phenanthrene	11.192	178	429766	29.204	ng	99
72) Anthracene	11.239	178	126570	8.913	ng	99
75) Fluoranthene	12.380	202	622647	43.787	ng	96
78) Pyrene	12.604	202	554302	26.195	ng	99
81) Benzo(a)anthracene	13.792	228	300855	18.696	ng	98
83) Chrysene	13.827	228	260227	17.031	ng	97
87) Indeno(1,2,3-cd)pyrene	16.510	276	140655	7.327	ng	94
88) Benzo(b)fluoranthene	14.804	252	339374m	19.208	ng	
89) Benzo(k)fluoranthene	14.827	252	142062m	8.174	ng	
90) Benzo(a)pyrene	15.133	252	267292	19.095	ng	98
91) Dibenzo(a,h)anthracene	16.521	278	34763m	2.207	ng	
92) Benzo(g,h,i)perylene	16.910	276	115451	7.278	ng	98

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

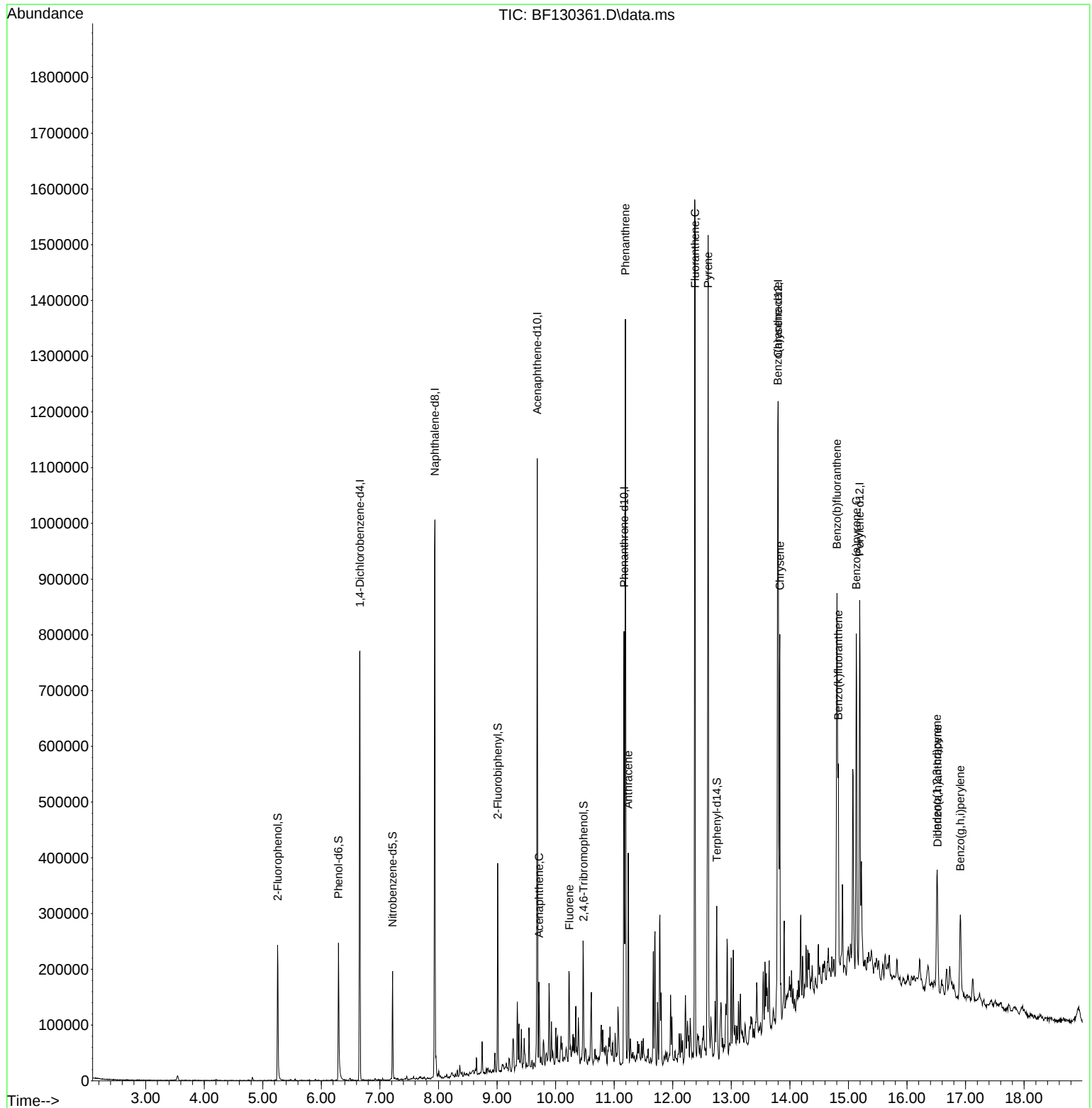
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092122\
Data File : BF130361.D
Acq On : 21 Sep 2022 14:55
Operator : CG\JU
Sample : N4713-01DL 10X
Misc :
ALS Vial : 6 Sample Multiplier: 1

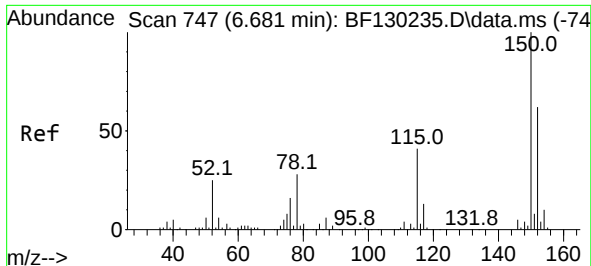
Instrument :
BNA_F
ClientSampleId :
OR-03-091922DL

Quant Time: Sep 21 16:01:58 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091422.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Sep 19 15:06:14 2022
Response via : Initial Calibration

Manual Integrations
APPROVED

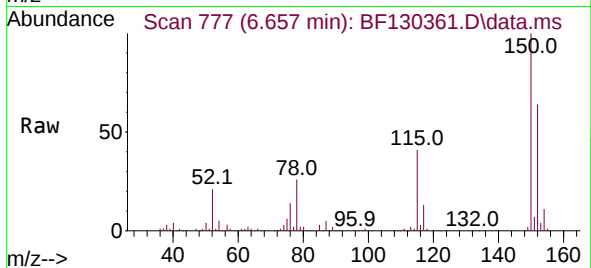
Reviewed By : Christian Giraldo 09/22/2022
Supervised By : Jagrut Upadhyay 09/22/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.657 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF130361.D
Acq: 21 Sep 2022 14:55

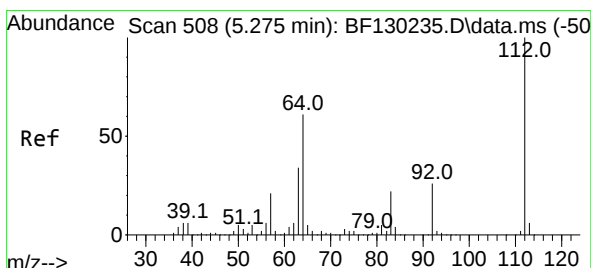
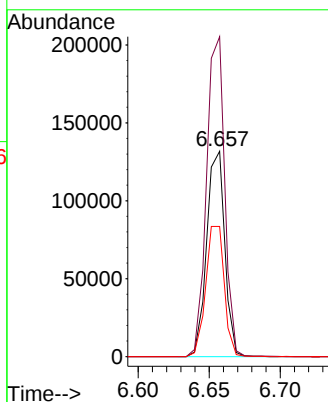
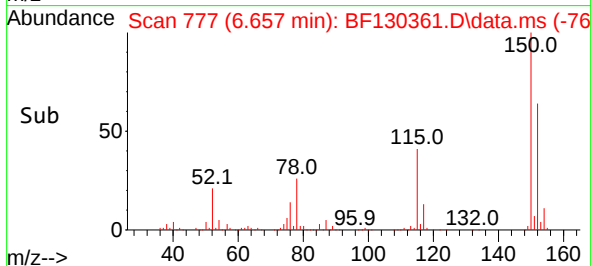
Instrument :
BNA_F
ClientSampleId :
OR-03-091922DL



Tgt Ion:152 Resp: 116920
Ion Ratio Lower Upper
152 100
150 155.8 122.8 184.2
115 63.4 53.8 80.8

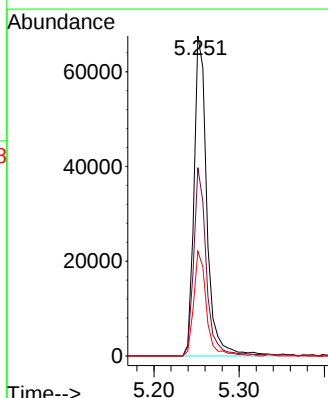
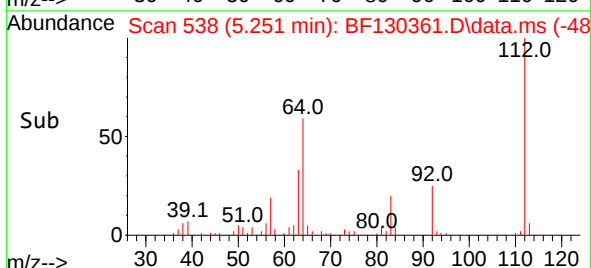
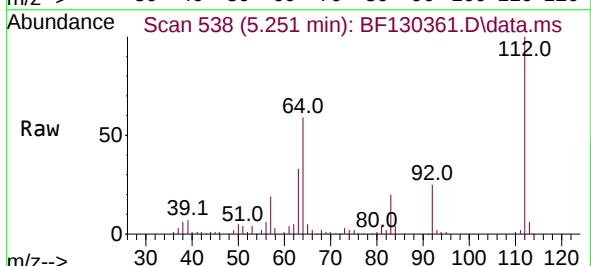
Manual Integrations
APPROVED

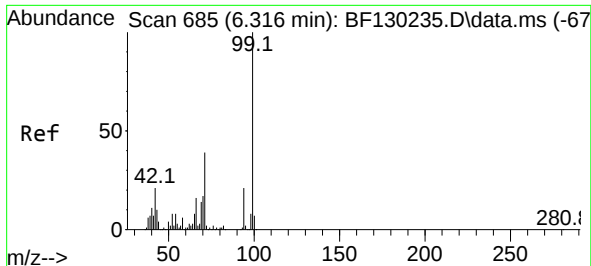
Reviewed By :Christian Giraldo 09/22/2022
Supervised By :Jagrut Upadhyay 09/22/2022



#5
2-Fluorophenol
Concen: 10.545 ng
RT: 5.251 min Scan# 538
Delta R.T. -0.006 min
Lab File: BF130361.D
Acq: 21 Sep 2022 14:55

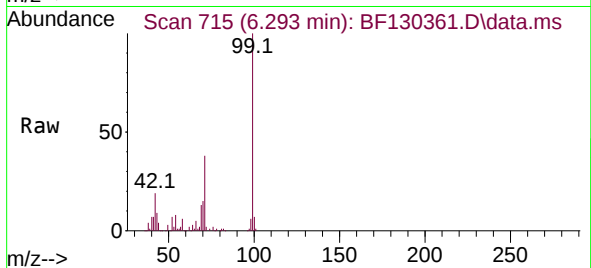
Tgt Ion:112 Resp: 71087
Ion Ratio Lower Upper
112 100
64 58.8 51.4 77.0
63 32.7 28.8 43.2





#7
Phenol-d6
Concen: 10.182 ng
RT: 6.293 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF130361.D
Acq: 21 Sep 2022 14:55

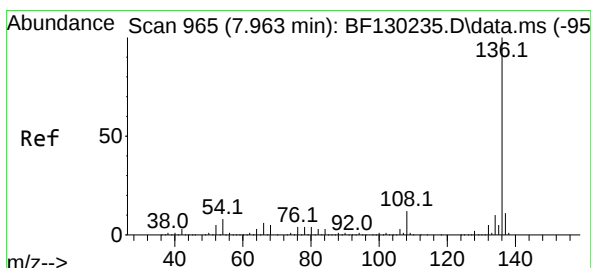
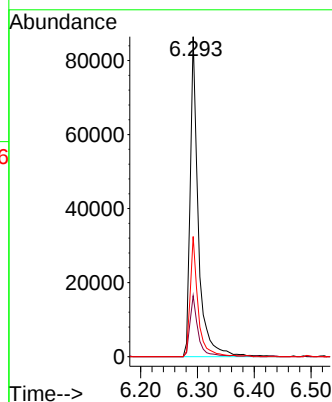
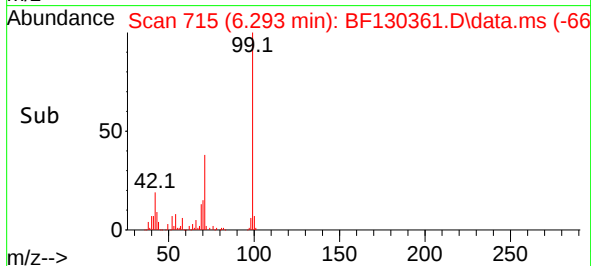
Instrument :
BNA_F
ClientSampleId :
OR-03-091922DL



Tgt Ion: 99 Resp: 85882
Ion Ratio Lower Upper
99 100
42 19.0 17.0 25.6
71 37.5 32.3 48.5

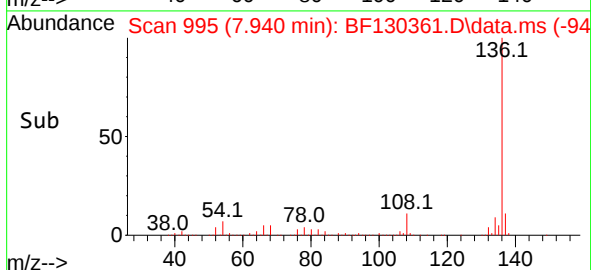
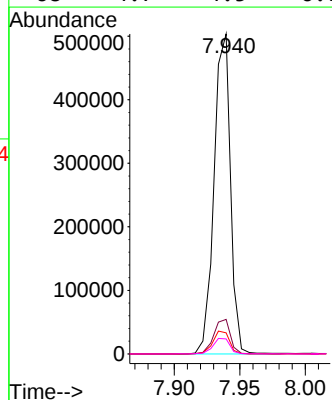
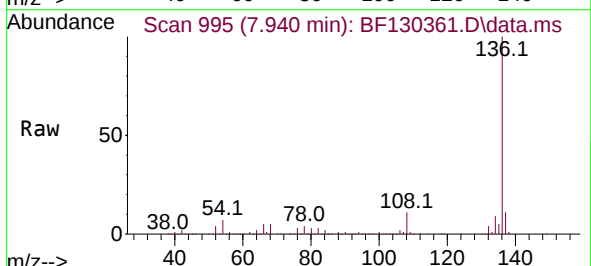
Manual Integrations
APPROVED

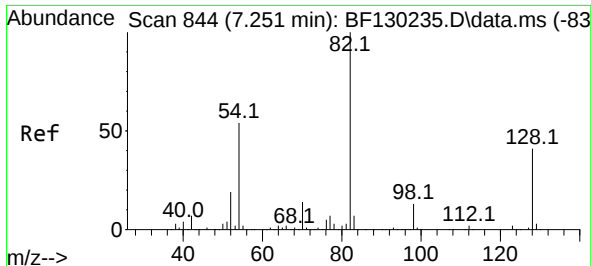
Reviewed By :Christian Giraldo 09/22/2022
Supervised By :Jagrut Upadhyay 09/22/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.940 min Scan# 995
Delta R.T. -0.006 min
Lab File: BF130361.D
Acq: 21 Sep 2022 14:55

Tgt Ion:136 Resp: 439705
Ion Ratio Lower Upper
136 100
137 10.8 9.1 13.7
54 6.6 7.1 10.7#
68 4.7 4.5 6.7





#23

Nitrobenzene-d5

Concen: 6.266 ng

RT: 7.216 min Scan# 81

Delta R.T. -0.018 min

Lab File: BF130361.D

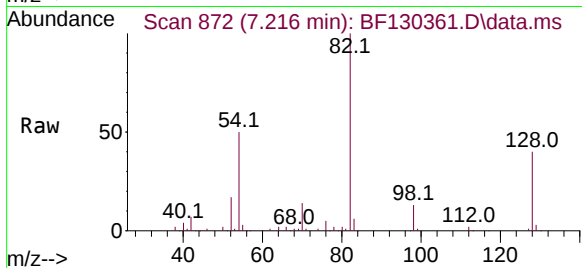
Acq: 21 Sep 2022 14:55

Instrument :

BNA_F

ClientSampleId :

OR-03-091922DL

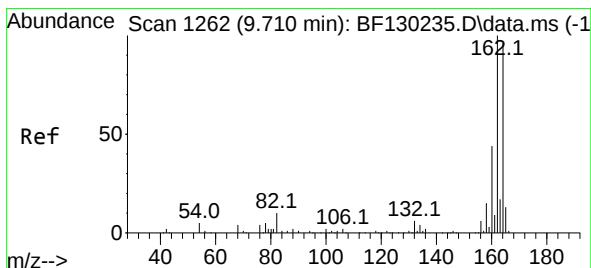
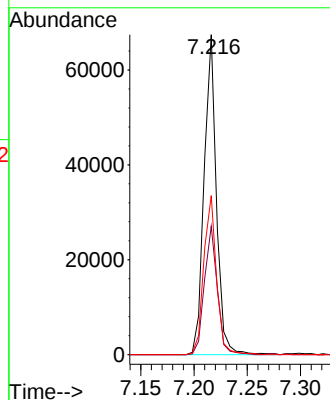
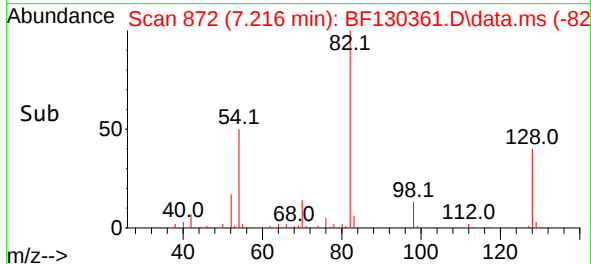


Tgt Ion:	82	Resp:	53928
Ion Ratio	Lower	Upper	
82	100		
128	40.1	32.6	49.0
54	49.7	43.8	65.6

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 09/22/2022
Supervised By :Jagrut Upadhyay 09/22/2022



#39

Acenaphthene-d10

Concen: 20.000 ng

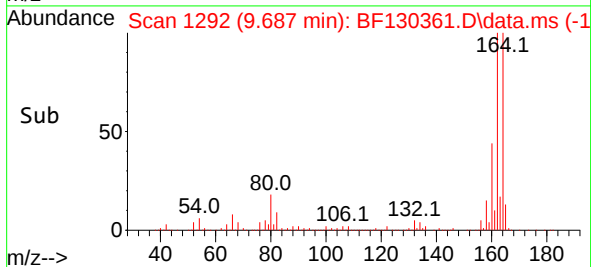
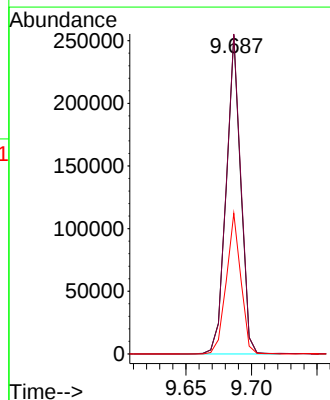
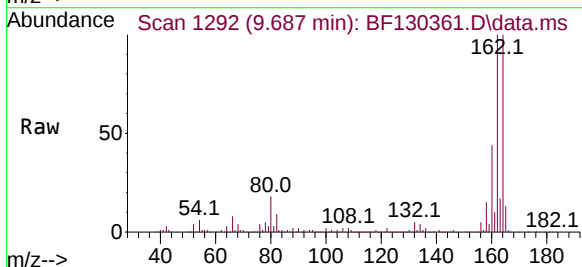
RT: 9.687 min Scan# 1292

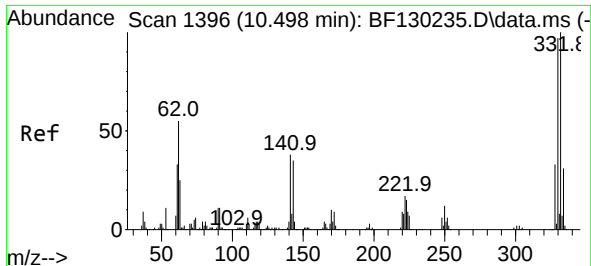
Delta R.T. -0.006 min

Lab File: BF130361.D

Acq: 21 Sep 2022 14:55

Tgt Ion:	164	Resp:	195523
Ion Ratio	Lower	Upper	
164	100		
162	100.5	81.4	122.0
160	44.2	36.2	54.4





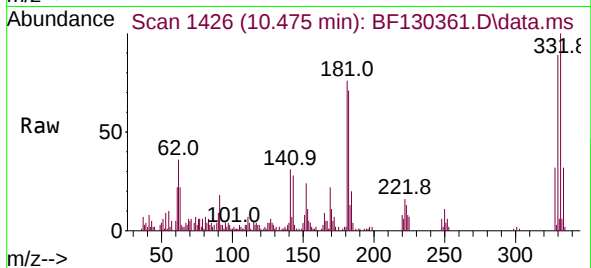
#42
2,4,6-Tribromophenol
Concen: 7.679 ng
RT: 10.475 min Scan# 1426
Delta R.T. -0.006 min
Lab File: BF130361.D
Acq: 21 Sep 2022 14:55

Instrument :

BNA_F

ClientSampleId :

OR-03-091922DL

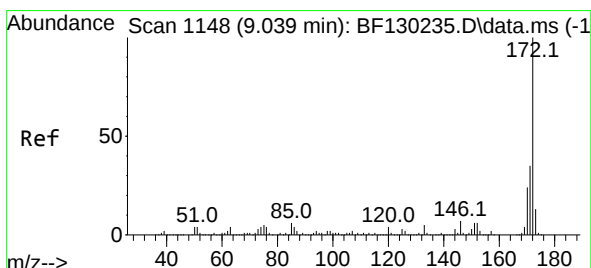
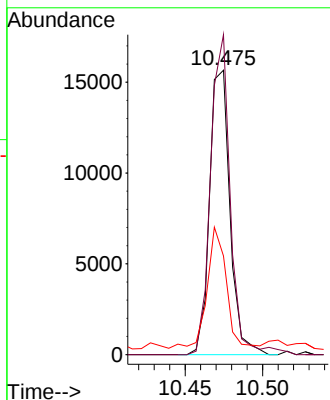
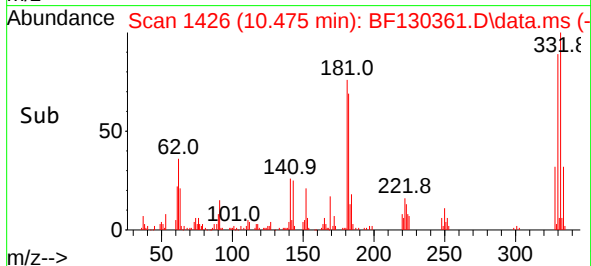


Tgt Ion: 330 Resp: 1438
Ion Ratio Lower Upper
330 100
332 108.5 83.4 125.2
141 39.8 34.0 51.0

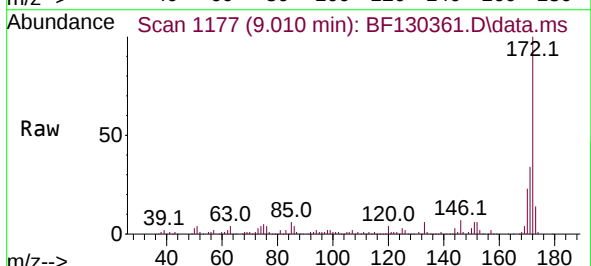
Manual Integrations

APPROVED

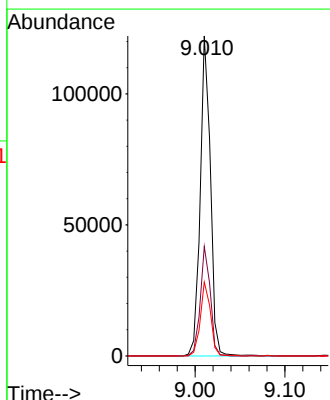
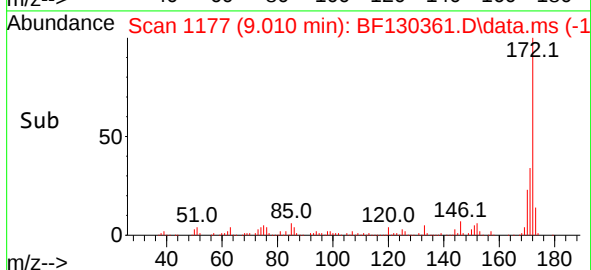
Reviewed By : Christian Giraldo 09/22/2022
Supervised By : Jagrut Upadhyay 09/22/2022

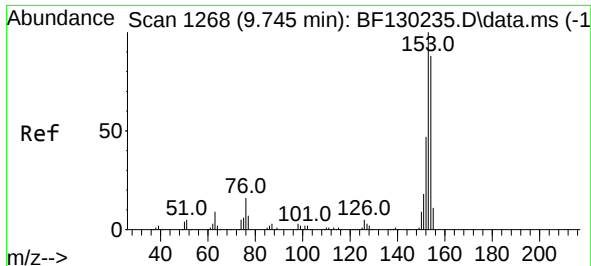


#45
2-Fluorobiphenyl
Concen: 7.154 ng
RT: 9.010 min Scan# 1177
Delta R.T. -0.012 min
Lab File: BF130361.D
Acq: 21 Sep 2022 14:55



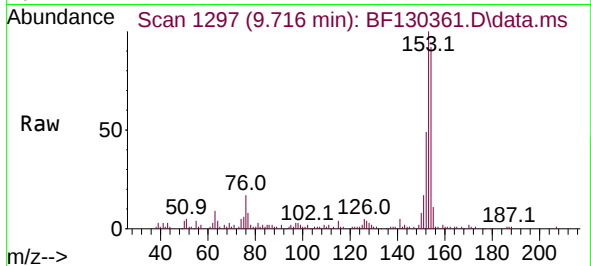
Tgt Ion: 172 Resp: 96051
Ion Ratio Lower Upper
172 100
171 34.2 28.3 42.5
170 23.1 18.7 28.1





#52
Acenaphthene
Concen: 2.392 ng
RT: 9.716 min Scan# 1268
Delta R.T. -0.012 min
Lab File: BF130361.D
Acq: 21 Sep 2022 14:55

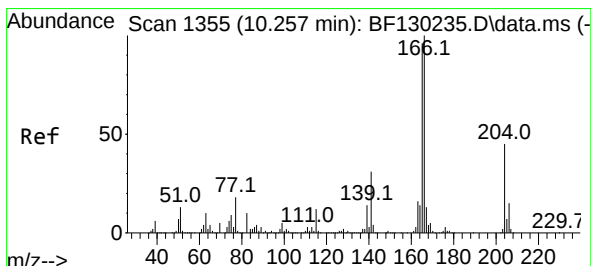
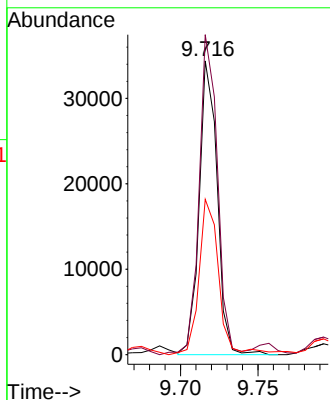
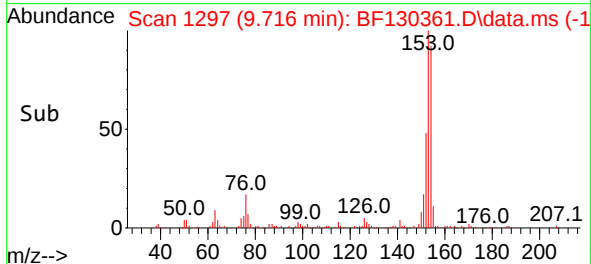
Instrument :
BNA_F
ClientSampleId :
OR-03-091922DL



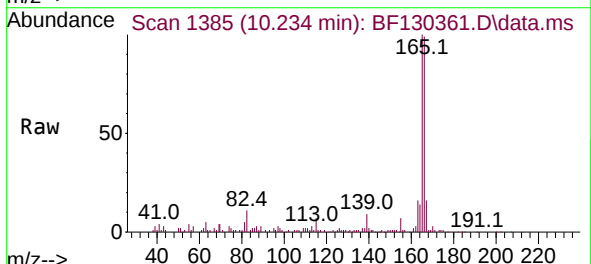
Tgt Ion:154 Resp: 27832
Ion Ratio Lower Upper
154 100
153 109.0 90.6 136.0
152 52.9 43.8 65.6

Manual Integrations
APPROVED

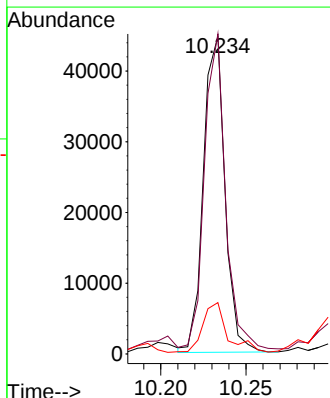
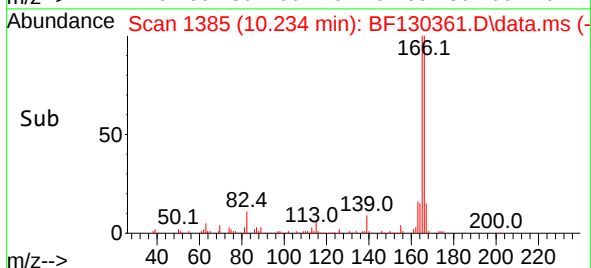
Reviewed By :Christian Giraldo 09/22/2022
Supervised By :Jagrut Upadhyay 09/22/2022

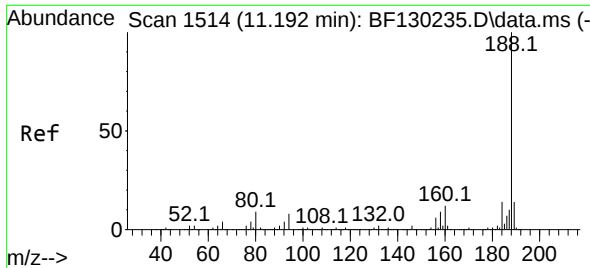


#58
Fluorene
Concen: 2.966 ng
RT: 10.234 min Scan# 1385
Delta R.T. -0.006 min
Lab File: BF130361.D
Acq: 21 Sep 2022 14:55



Tgt Ion:166 Resp: 39265
Ion Ratio Lower Upper
166 100
165 100.7 78.8 118.2
167 16.1 10.6 15.8





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.169 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF130361.D
Acq: 21 Sep 2022 14:55

Instrument :

BNA_F

ClientSampleId :

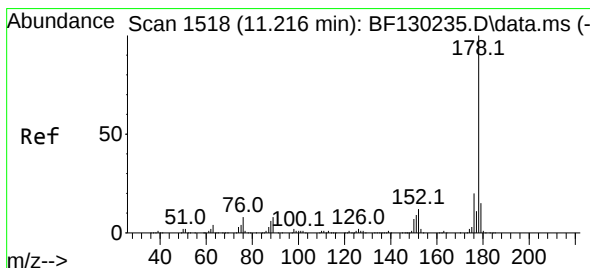
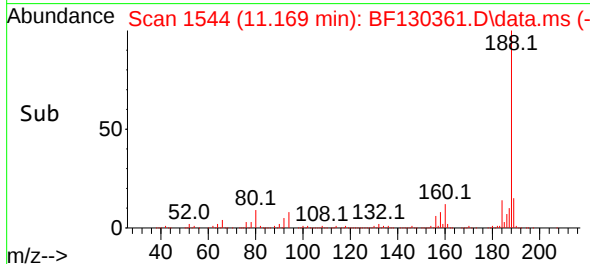
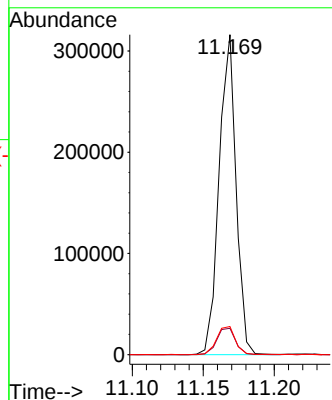
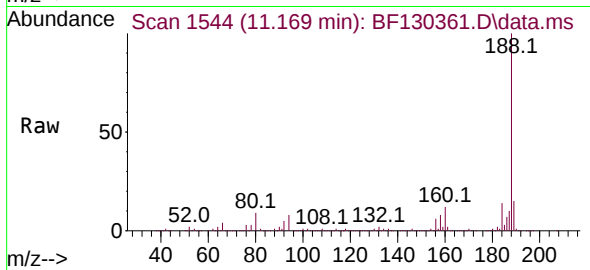
OR-03-091922DL

Tgt Ion:188 Resp: 262111
Ion Ratio Lower Upper
188 100
94 8.2 7.4 11.2
80 8.8 7.9 11.9

Manual Integrations

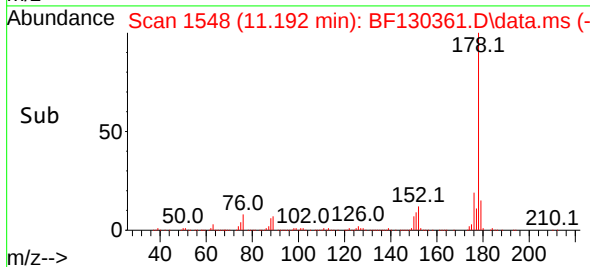
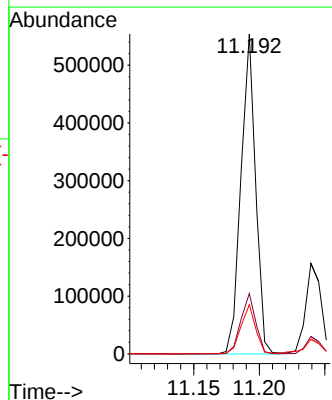
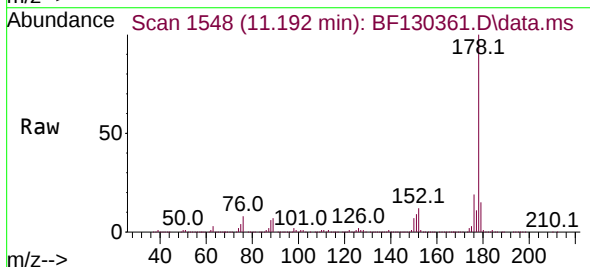
APPROVED

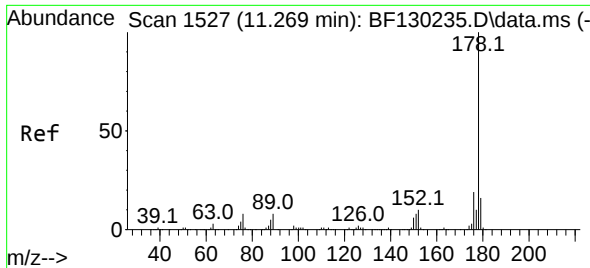
Reviewed By :Christian Giraldo 09/22/2022
Supervised By :Jagrut Upadhyay 09/22/2022



#71
Phenanthrene
Concen: 29.204 ng
RT: 11.192 min Scan# 1548
Delta R.T. -0.006 min
Lab File: BF130361.D
Acq: 21 Sep 2022 14:55

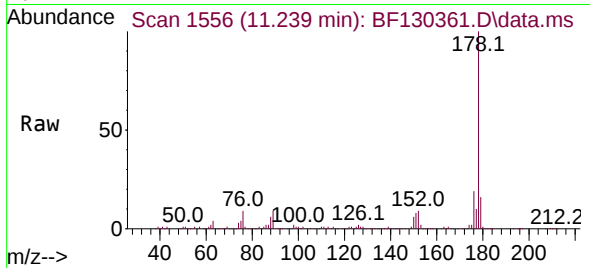
Tgt Ion:178 Resp: 429766
Ion Ratio Lower Upper
178 100
176 18.9 15.4 23.0
179 15.4 12.4 18.6





#72
 Anthracene
 Concen: 8.913 ng
 RT: 11.239 min Scan# 11
 Delta R.T. -0.012 min
 Lab File: BF130361.D
 Acq: 21 Sep 2022 14:55

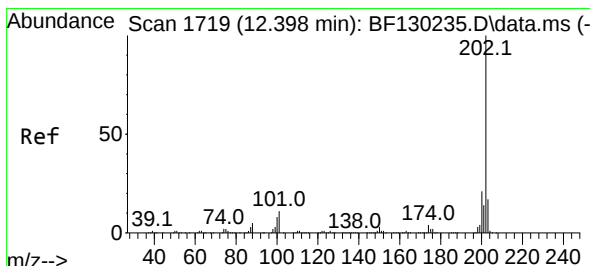
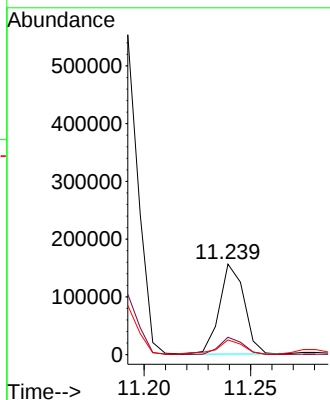
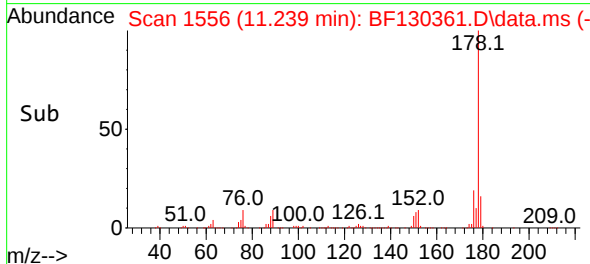
Instrument :
 BNA_F
 ClientSampleId :
 OR-03-091922DL



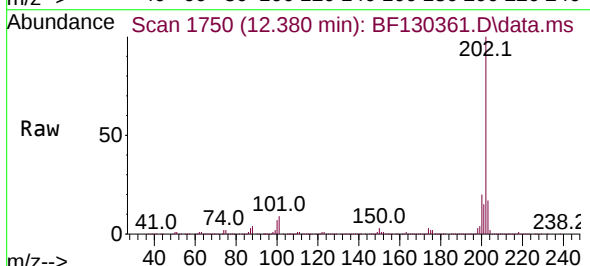
Tgt Ion:178 Resp: 126576
 Ion Ratio Lower Upper
 178 100
 176 19.2 15.0 22.6
 179 16.1 12.7 19.1

Manual Integrations
 APPROVED

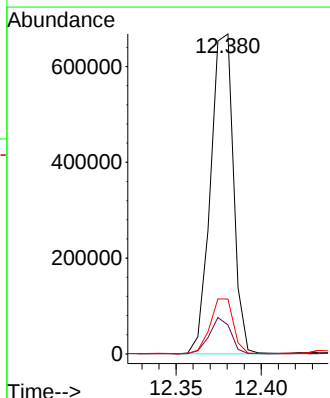
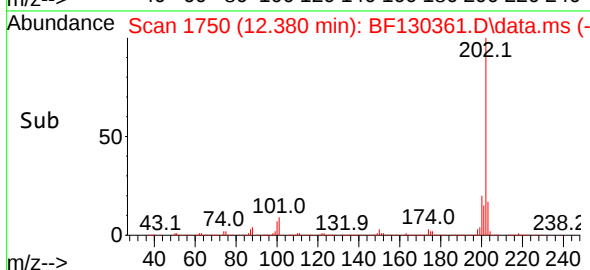
Reviewed By :Christian Giraldo 09/22/2022
 Supervised By :Jagrut Upadhyay 09/22/2022

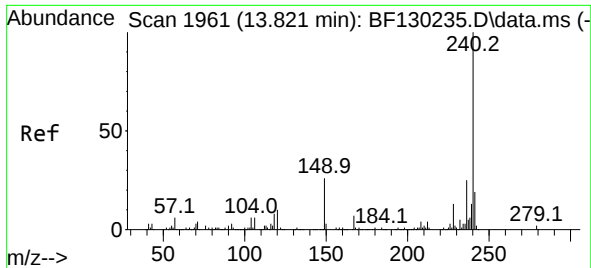


#75
 Fluoranthene
 Concen: 43.787 ng
 RT: 12.380 min Scan# 1750
 Delta R.T. 0.000 min
 Lab File: BF130361.D
 Acq: 21 Sep 2022 14:55



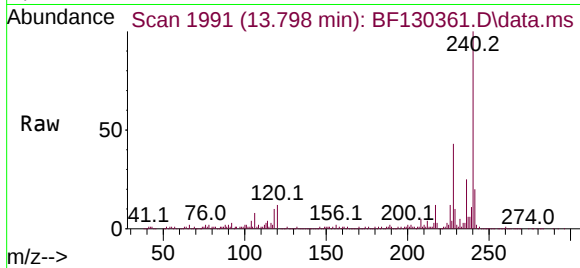
Tgt Ion:202 Resp: 622647
 Ion Ratio Lower Upper
 202 100
 101 9.0 0.0 31.8
 203 17.1 0.0 37.8





#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.798 min Scan# 1961
Delta R.T. -0.006 min
Lab File: BF130361.D
Acq: 21 Sep 2022 14:55

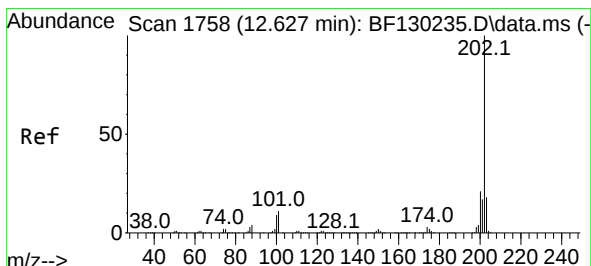
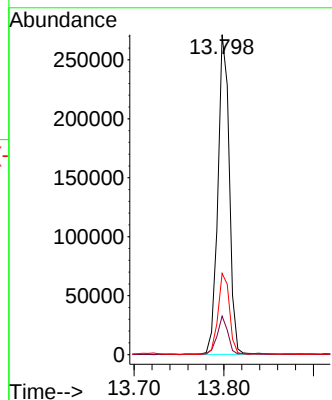
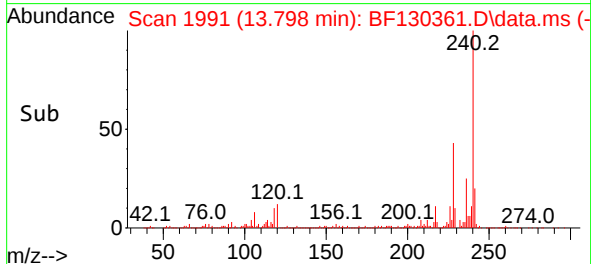
Instrument :
BNA_F
ClientSampleId :
OR-03-091922DL



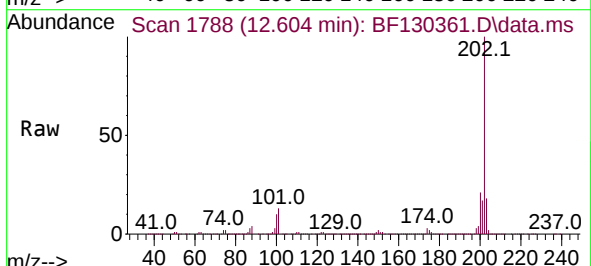
Tgt Ion:240 Resp: 241892
Ion Ratio Lower Upper
240 100
120 12.0 8.7 13.1
236 25.4 20.9 31.3

Manual Integrations
APPROVED

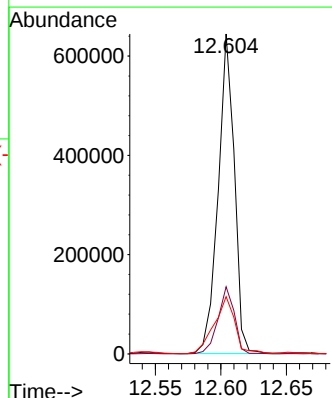
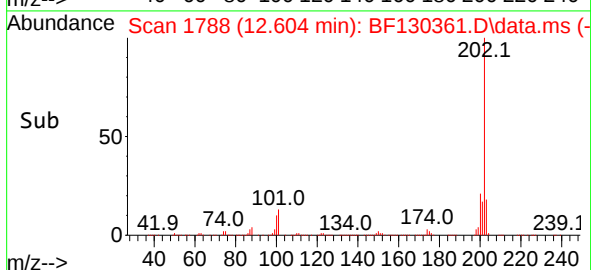
Reviewed By :Christian Giraldo 09/22/2022
Supervised By :Jagrut Upadhyay 09/22/2022

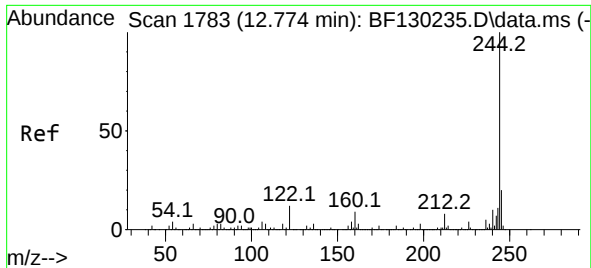


#78
Pyrene
Concen: 26.195 ng
RT: 12.604 min Scan# 1788
Delta R.T. -0.006 min
Lab File: BF130361.D
Acq: 21 Sep 2022 14:55



Tgt Ion:202 Resp: 554302
Ion Ratio Lower Upper
202 100
200 21.0 17.2 25.8
203 17.9 14.3 21.5





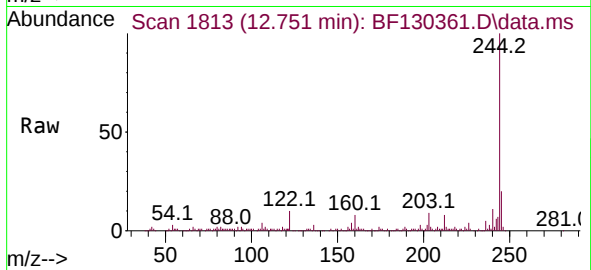
#79
 Terphenyl-d14
 Concen: 4.799 ng
 RT: 12.751 min Scan# 1813
 Delta R.T. -0.006 min
 Lab File: BF130361.D
 Acq: 21 Sep 2022 14:55

Instrument :

BNA_F

ClientSampleId :

OR-03-091922DL

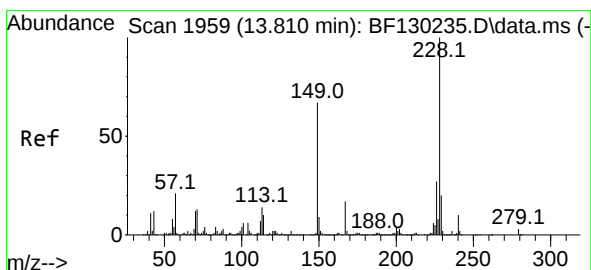
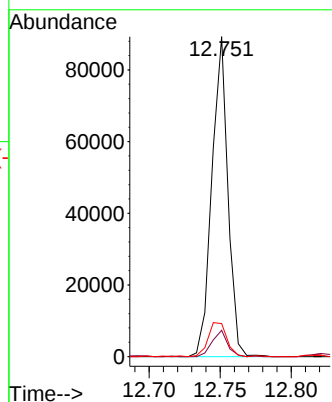
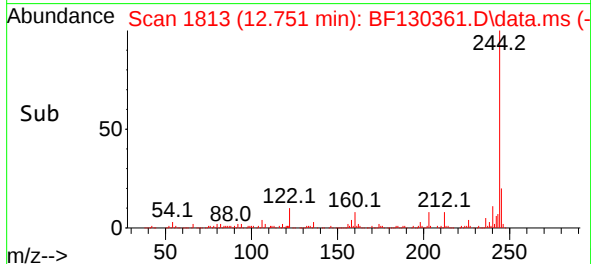


Tgt Ion:244 Resp: 70079
 Ion Ratio Lower Upper
 244 100
 212 8.2 5.9 8.9
 122 10.3 8.5 12.7

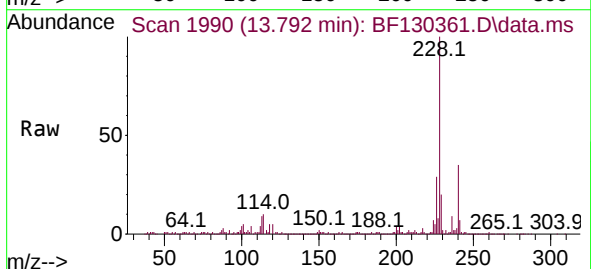
Manual Integrations

APPROVED

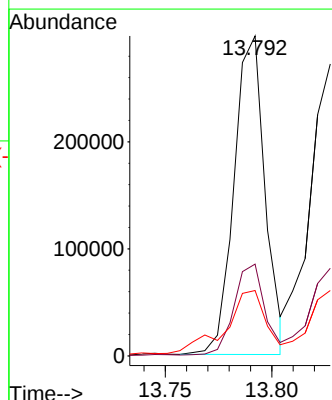
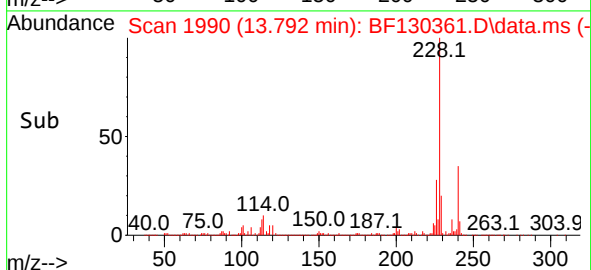
Reviewed By :Christian Giraldo 09/22/2022
 Supervised By :Jagrut Upadhyay 09/22/2022

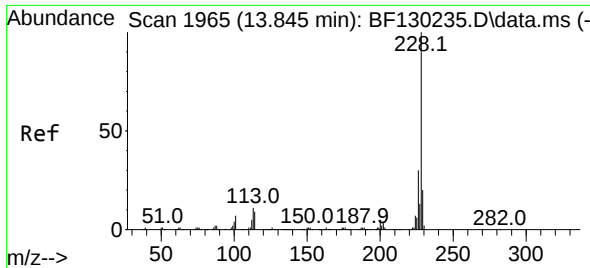


#81
 Benzo(a)anthracene
 Concen: 18.696 ng
 RT: 13.792 min Scan# 1990
 Delta R.T. 0.000 min
 Lab File: BF130361.D
 Acq: 21 Sep 2022 14:55



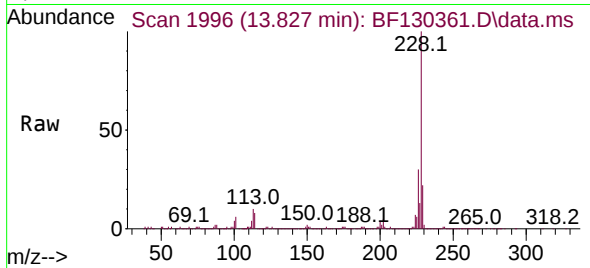
Tgt Ion:228 Resp: 300855
 Ion Ratio Lower Upper
 228 100
 226 28.7 21.9 32.9
 229 20.4 16.1 24.1





#83
Chrysene
Concen: 17.031 ng
RT: 13.827 min Scan# 1965
Delta R.T. 0.000 min
Lab File: BF130361.D
Acq: 21 Sep 2022 14:55

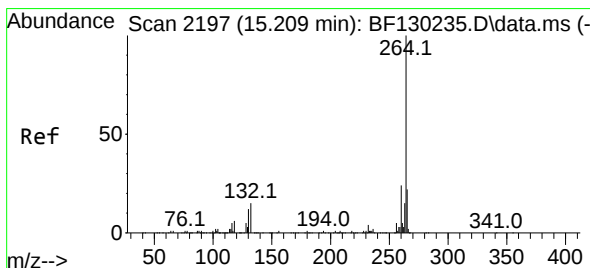
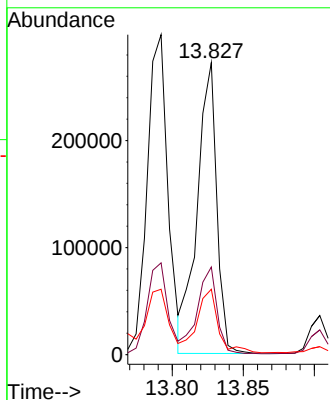
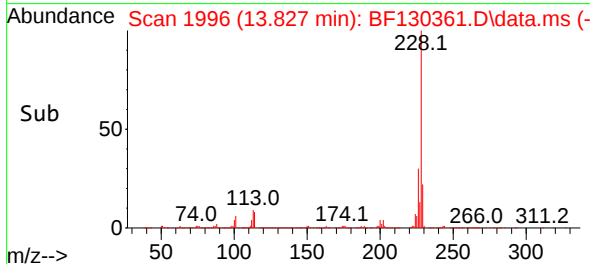
Instrument :
BNA_F
ClientSampleId :
OR-03-091922DL



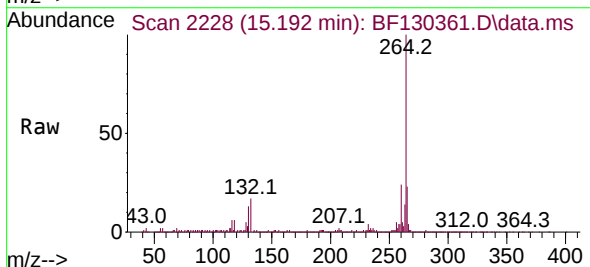
Tgt Ion:228 Resp: 260227
Ion Ratio Lower Upper
228 100
226 30.0 23.8 35.8
229 22.4 15.3 22.9

Manual Integrations
APPROVED

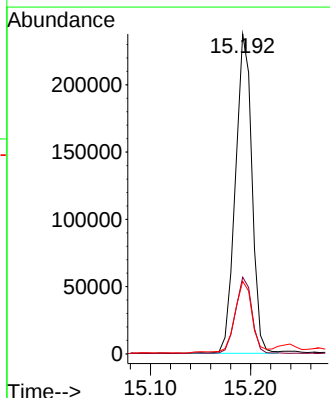
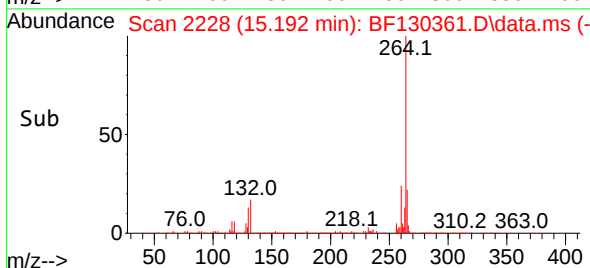
Reviewed By :Christian Giraldo 09/22/2022
Supervised By :Jagrut Upadhyay 09/22/2022

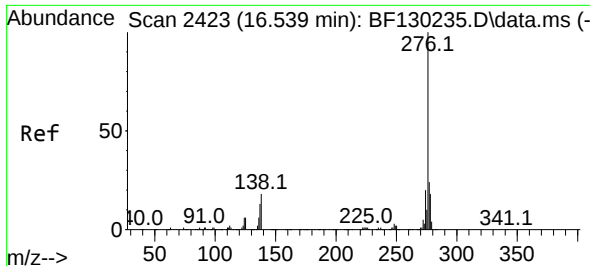


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.192 min Scan# 2228
Delta R.T. 0.006 min
Lab File: BF130361.D
Acq: 21 Sep 2022 14:55



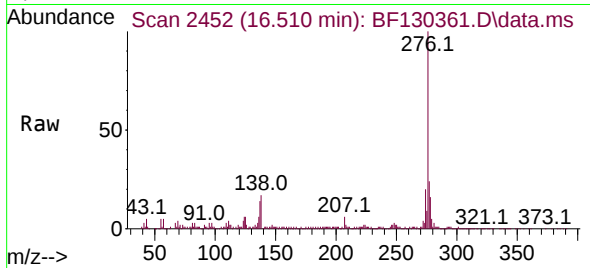
Tgt Ion:264 Resp: 270704
Ion Ratio Lower Upper
264 100
260 24.0 19.3 28.9
265 22.7 17.0 25.4





#87
Indeno(1,2,3-cd)pyrene
Concen: 7.327 ng
RT: 16.510 min Scan# 2423
Delta R.T. 0.000 min
Lab File: BF130361.D
Acq: 21 Sep 2022 14:55

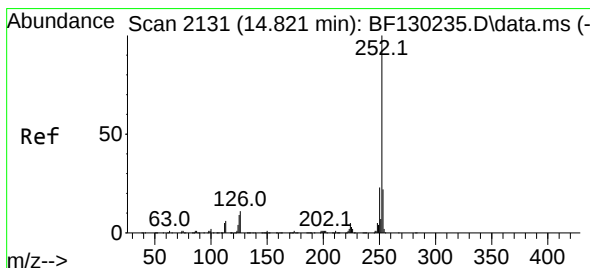
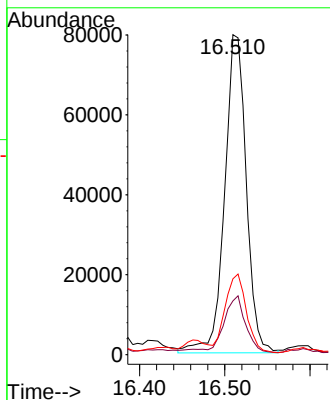
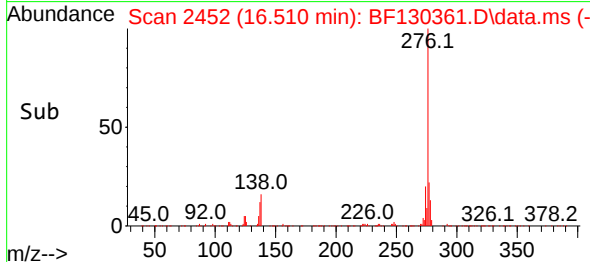
Instrument :
BNA_F
ClientSampleId :
OR-03-091922DL



Tgt Ion:276 Resp: 140655
Ion Ratio Lower Upper
276 100
138 18.6 18.5 27.7
277 24.2 20.2 30.4

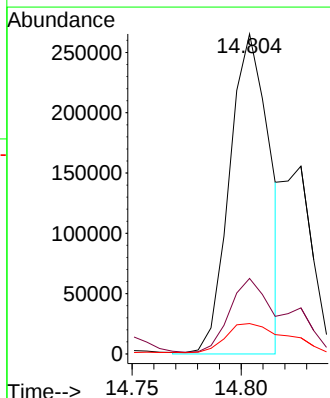
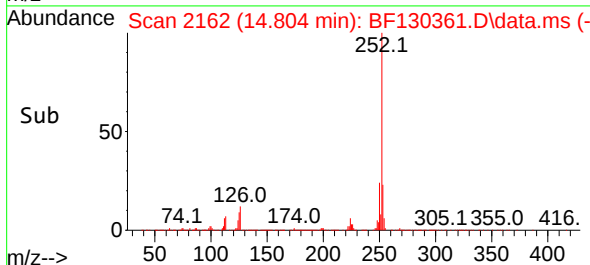
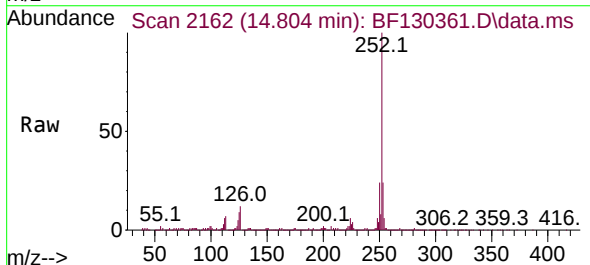
Manual Integrations
APPROVED

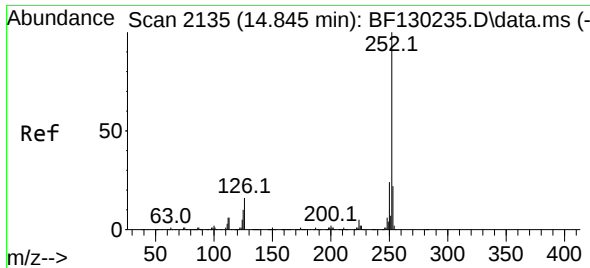
Reviewed By :Christian Giraldo 09/22/2022
Supervised By :Jagrut Upadhyay 09/22/2022



#88
Benzo(b)fluoranthene
Concen: 19.208 ng m
RT: 14.804 min Scan# 2162
Delta R.T. 0.006 min
Lab File: BF130361.D
Acq: 21 Sep 2022 14:55

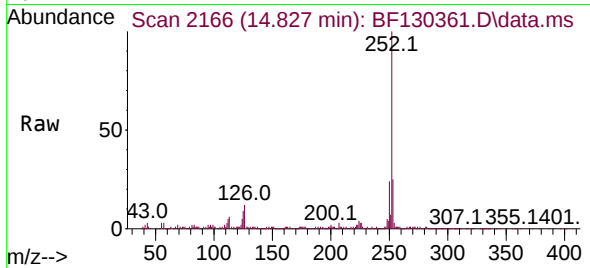
Tgt Ion:252 Resp: 339374
Ion Ratio Lower Upper
252 100
253 23.6 17.7 26.5
125 9.5 8.1 12.1





#89
Benzo(k)fluoranthene
Concen: 8.174 ng m
RT: 14.827 min Scan# 2135
Delta R.T. 0.000 min
Lab File: BF130361.D
Acq: 21 Sep 2022 14:55

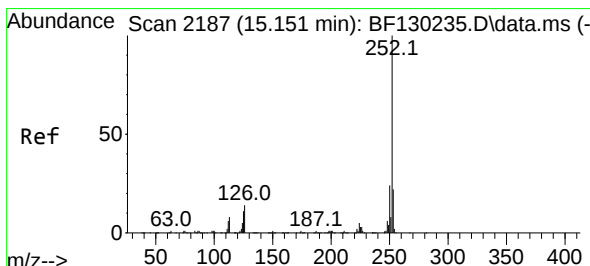
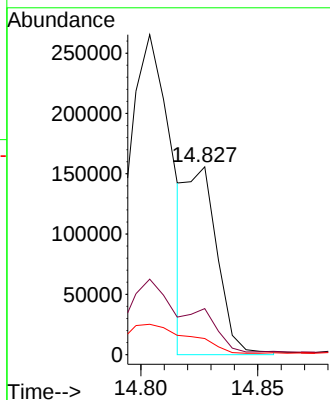
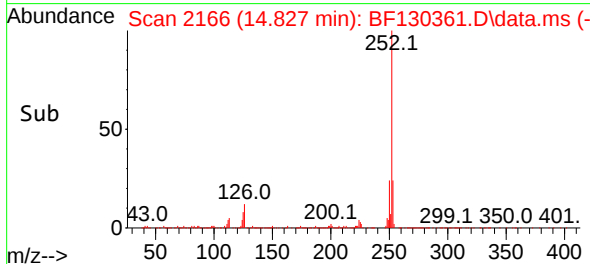
Instrument :
BNA_F
ClientSampleId :
OR-03-091922DL



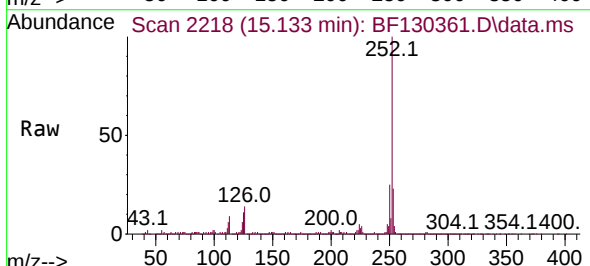
Tgt Ion:252 Resp: 142062
Ion Ratio Lower Upper
252 100
253 24.5 17.4 26.2
125 8.6 7.9 11.9

Manual Integrations
APPROVED

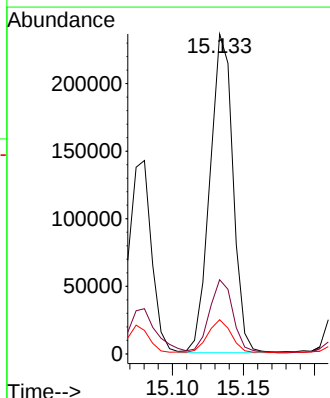
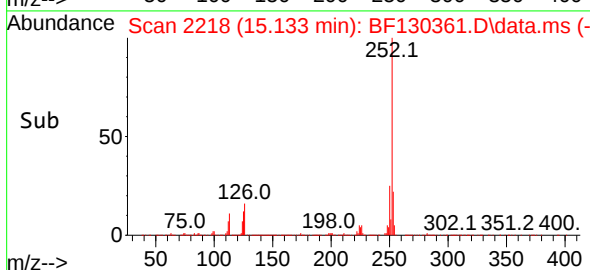
Reviewed By :Christian Giraldo 09/22/2022
Supervised By :Jagrut Upadhyay 09/22/2022

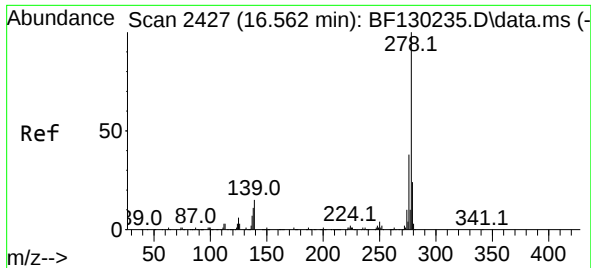


#90
Benzo(a)pyrene
Concen: 19.095 ng
RT: 15.133 min Scan# 2218
Delta R.T. 0.000 min
Lab File: BF130361.D
Acq: 21 Sep 2022 14:55



Tgt Ion:252 Resp: 267292
Ion Ratio Lower Upper
252 100
253 23.2 17.8 26.6
125 10.7 9.0 13.6





#91
Dibenzo(a,h)anthracene
Concen: 2.207 ng m
RT: 16.521 min Scan# 2427
Delta R.T. -0.006 min
Lab File: BF130361.D
Acq: 21 Sep 2022 14:55

Instrument :

BNA_F

ClientSampleId :

OR-03-091922DL

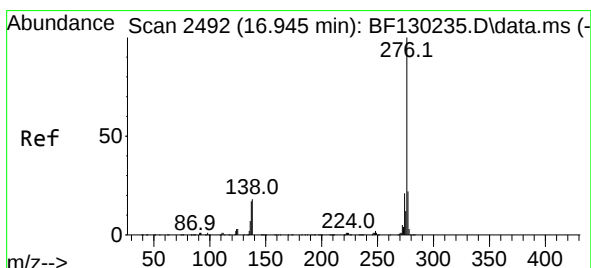
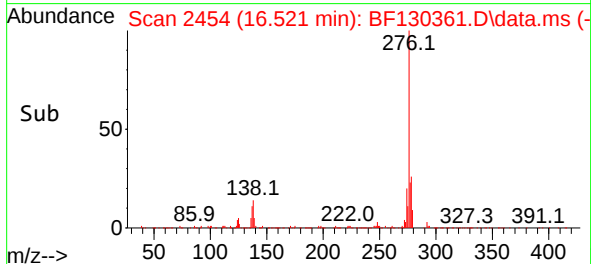
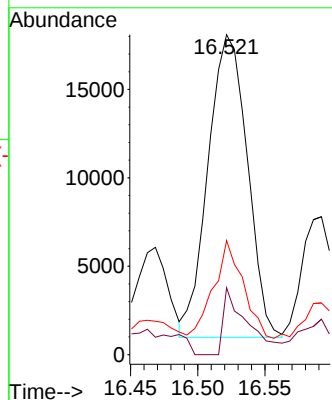
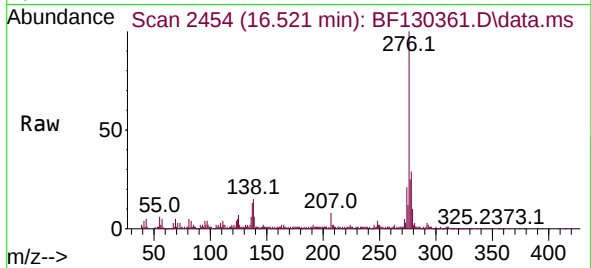
Tgt Ion:278 Resp: 34763
Ion Ratio Lower Upper
278 100
139 20.9 11.8 17.8
279 35.6 19.4 29.0

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 09/22/2022

Supervised By :Jagrut Upadhyay 09/22/2022



#92
Benzo(g,h,i)perylene
Concen: 7.278 ng
RT: 16.910 min Scan# 2520
Delta R.T. 0.000 min
Lab File: BF130361.D
Acq: 21 Sep 2022 14:55

Tgt Ion:276 Resp: 115451
Ion Ratio Lower Upper
276 100
277 24.3 18.6 27.8
138 18.5 14.6 21.8

