

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102922\
 Data File : BF130856.D
 Acq On : 29 Oct 2022 14:43
 Operator : CG\JU
 Sample : N5332-01
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MH-4-WC

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 10/31/2022
 Supervised By : Jagrut Upadhyay 11/01/2022

Quant Time: Oct 30 23:23:45 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102722.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Oct 29 05:41:34 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.940	152	84754	20.000	ng	0.00
21) Naphthalene-d8	8.228	136	322185	20.000	ng	0.00
39) Acenaphthene-d10	9.986	164	158769	20.000	ng	-0.01
64) Phenanthrene-d10	11.475	188	242148	20.000	ng	-0.01
76) Chrysene-d12	14.121	240	170080	20.000	ng	-0.01
86) Perylene-d12	15.639	264	142979	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.557	112	524174	107.218	ng	0.00
7) Phenol-d6	6.557	99	689830	108.582	ng	0.00
23) Nitrobenzene-d5	7.504	82	435147	81.440	ng	-0.01
42) 2,4,6-Tribromophenol	10.775	330	136803	102.358	ng	-0.01
45) 2-Fluorobiphenyl	9.304	172	746162	71.054	ng	0.00
79) Terphenyl-d14	13.069	244	542916	58.494	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.498	178	46519	3.722	ng	99
75) Fluoranthene	12.692	202	105699	7.960	ng	98
78) Pyrene	12.921	202	93661	6.527	ng	99
81) Benzo(a)anthracene	14.110	228	47850	4.243	ng	99
83) Chrysene	14.145	228	50363	4.630	ng	98
87) Indeno(1,2,3-cd)pyrene	17.174	276	23831	2.510	ng	96
88) Benzo(b)fluoranthene	15.186	252	60836m	6.582	ng	
89) Benzo(k)fluoranthene	15.215	252	23913m	2.655	ng	
90) Benzo(a)pyrene	15.568	252	38986	5.247	ng	96
92) Benzo(g,h,i)perylene	17.639	276	23291	2.949	ng	97

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

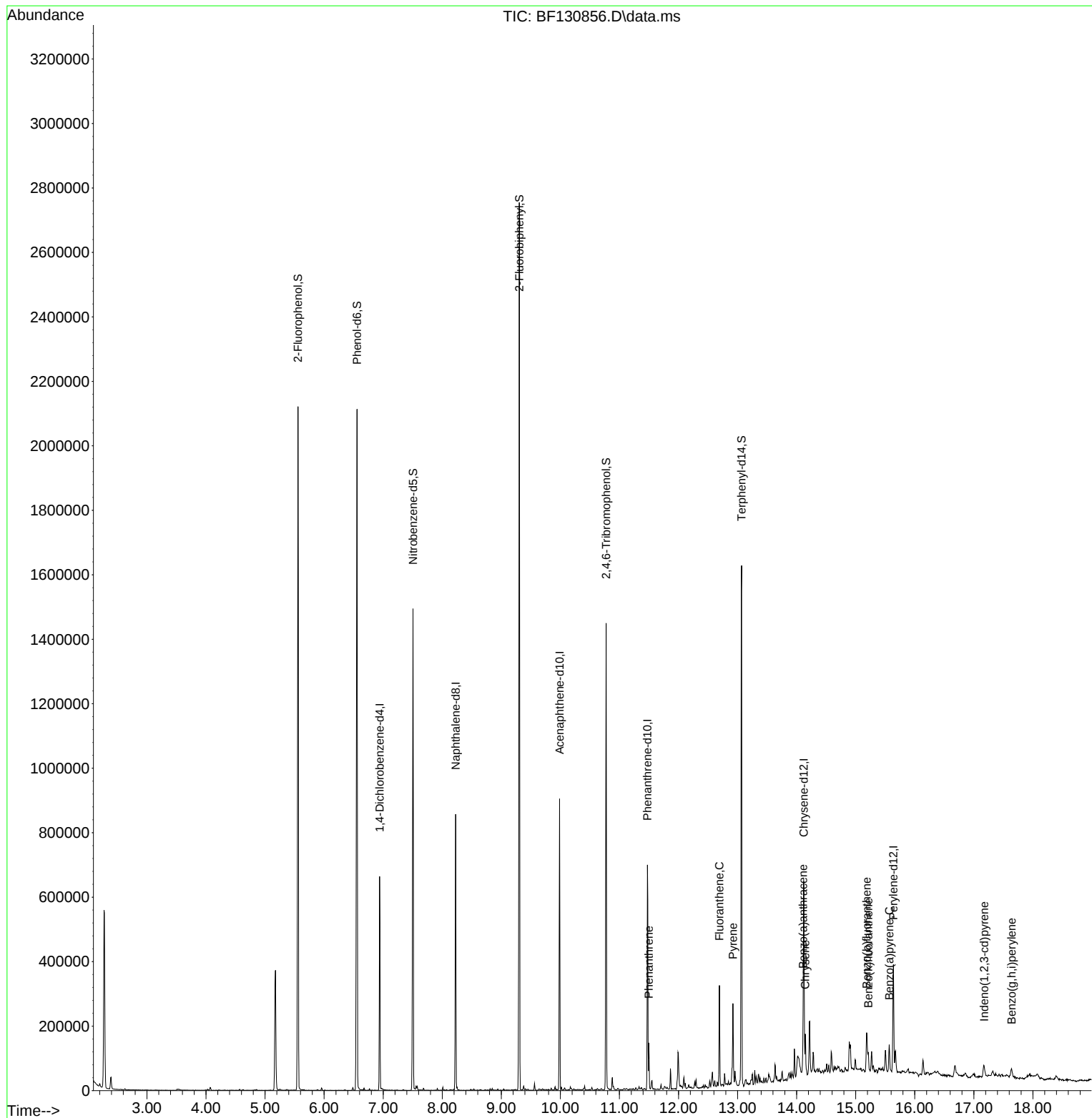
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102922\
Data File : BF130856.D
Acq On : 29 Oct 2022 14:43
Operator : CG\JU
Sample : N5332-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MH-4-WC

Quant Time: Oct 30 23:23:45 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Oct 29 05:41:34 2022
Response via : Initial Calibration

Manual Integrations
APPROVED

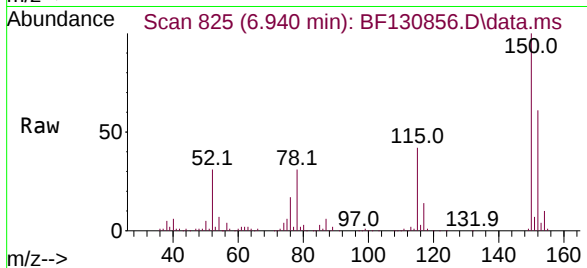
Reviewed By : Christian Giraldo 10/31/2022
Supervised By : Jagrut Upadhyay 11/01/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.940 min Scan# 81
Delta R.T. -0.005 min
Lab File: BF130856.D
Acq: 29 Oct 2022 14:43

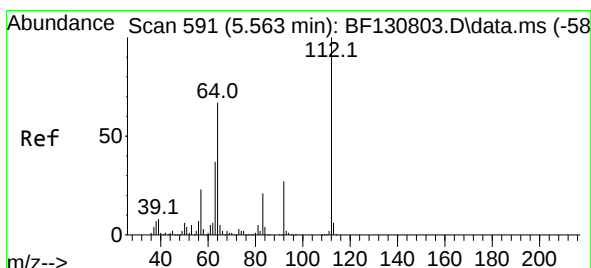
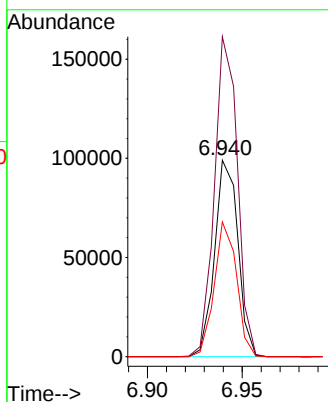
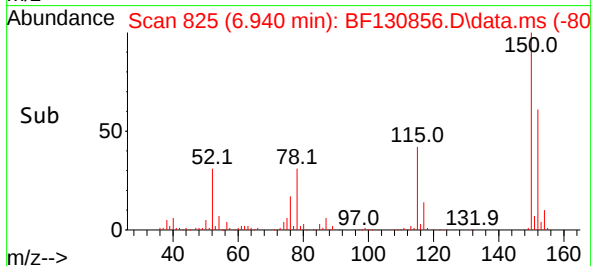
Instrument :
BNA_F
ClientSampleId :
MH-4-WC



Tgt Ion:152 Resp: 84754
Ion Ratio Lower Upper
152 100
150 163.0 124.1 186.1
115 68.6 50.1 75.1

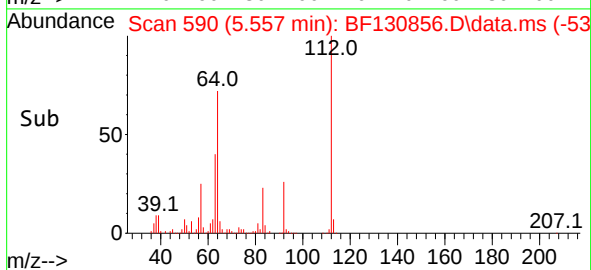
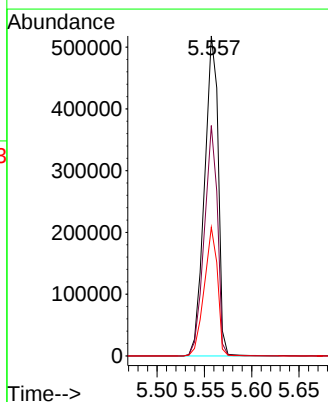
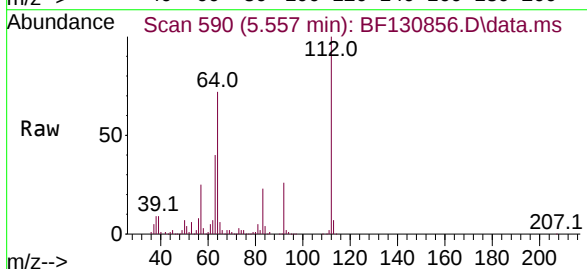
Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 10/31/2022
Supervised By :Jagrut Upadhyay 11/01/2022



#5
2-Fluorophenol
Concen: 107.218 ng
RT: 5.557 min Scan# 590
Delta R.T. -0.000 min
Lab File: BF130856.D
Acq: 29 Oct 2022 14:43

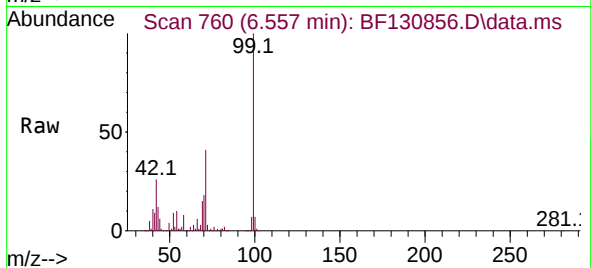
Tgt Ion:112 Resp: 524174
Ion Ratio Lower Upper
112 100
64 72.0 53.9 80.9
63 40.2 29.4 44.2





#7
Phenol-d6
Concen: 108.582 ng
RT: 6.557 min Scan# 70
Delta R.T. -0.006 min
Lab File: BF130856.D
Acq: 29 Oct 2022 14:43

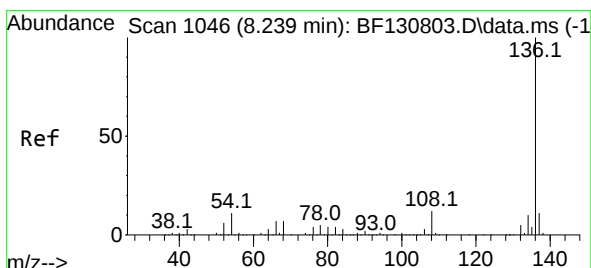
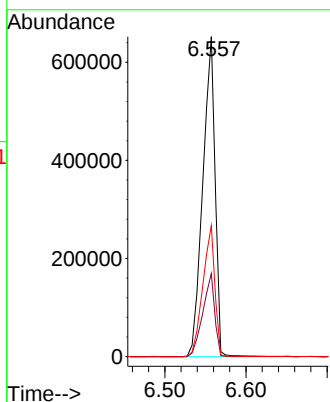
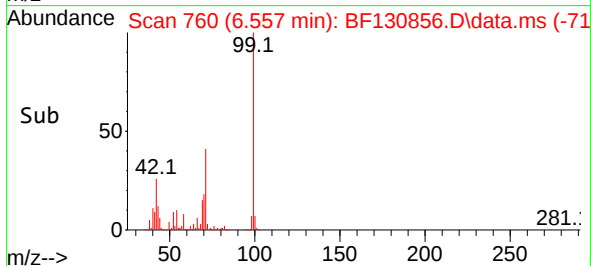
Instrument :
BNA_F
ClientSampleId :
MH-4-WC



Tgt Ion: 99 Resp: 689830
Ion Ratio Lower Upper
99 100
42 26.0 18.8 28.2
71 40.9 31.4 47.0

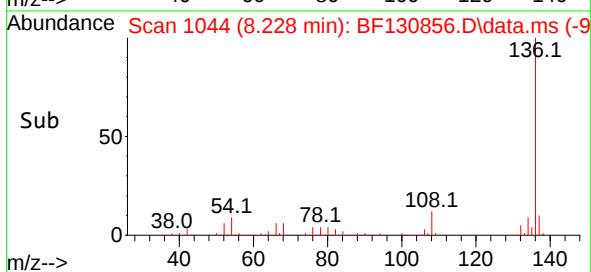
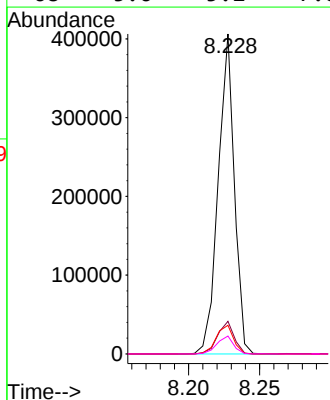
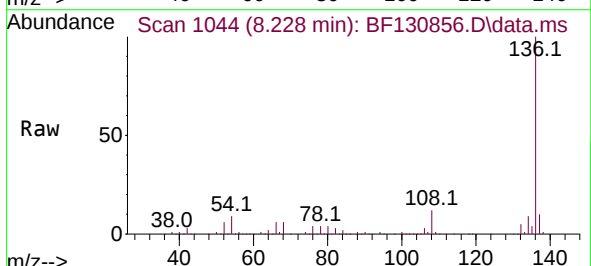
Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 10/31/2022
Supervised By :Jagrut Upadhyay 11/01/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.228 min Scan# 1044
Delta R.T. -0.006 min
Lab File: BF130856.D
Acq: 29 Oct 2022 14:43

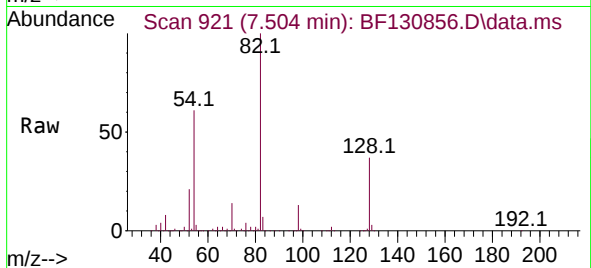
Tgt Ion:136 Resp: 322185
Ion Ratio Lower Upper
136 100
137 10.2 9.2 13.8
54 8.9 8.8 13.2
68 5.6 5.2 7.8





#23
Nitrobenzene-d5
Concen: 81.440 ng
RT: 7.504 min Scan# 91
Delta R.T. -0.012 min
Lab File: BF130856.D
Acq: 29 Oct 2022 14:43

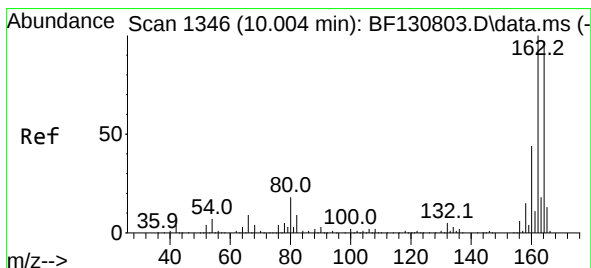
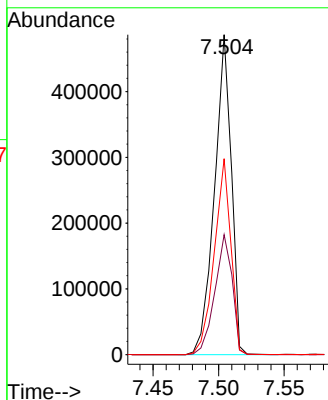
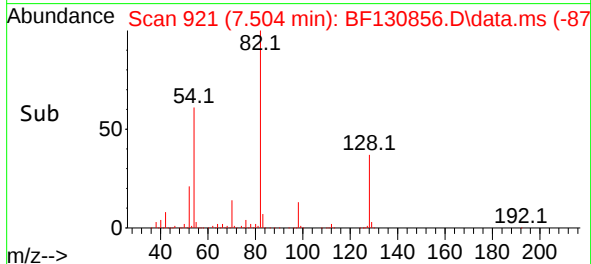
Instrument :
BNA_F
ClientSampleId :
MH-4-WC



Tgt Ion: 82 Resp: 43514
Ion Ratio Lower Upper
82 100
128 37.5 31.2 46.8
54 61.2 48.0 72.0

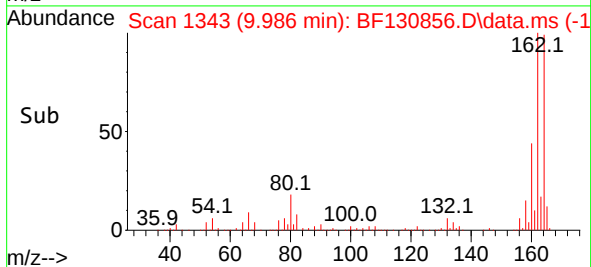
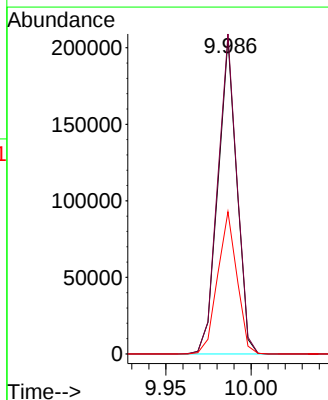
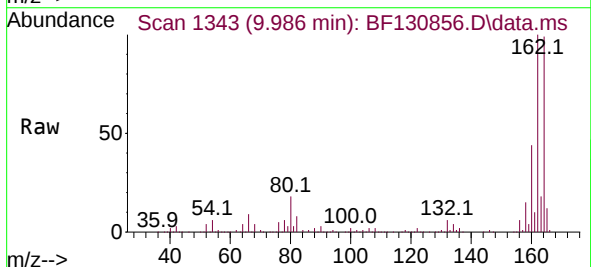
Manual Integrations
APPROVED

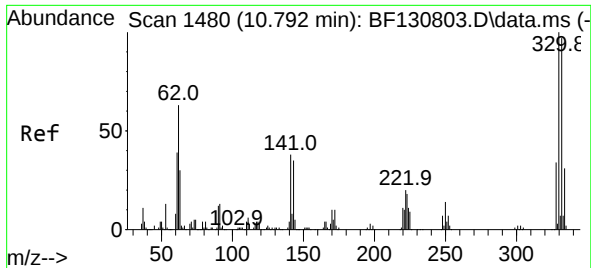
Reviewed By :Christian Giraldo 10/31/2022
Supervised By :Jagrut Upadhyay 11/01/2022



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.986 min Scan# 1343
Delta R.T. -0.012 min
Lab File: BF130856.D
Acq: 29 Oct 2022 14:43

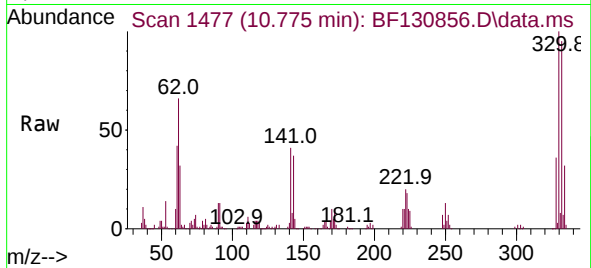
Tgt Ion:164 Resp: 158769
Ion Ratio Lower Upper
164 100
162 101.4 82.2 123.2
160 45.1 36.6 54.8





#42
2,4,6-Tribromophenol
Concen: 102.358 ng
RT: 10.775 min Scan# 1480
Delta R.T. -0.012 min
Lab File: BF130856.D
Acq: 29 Oct 2022 14:43

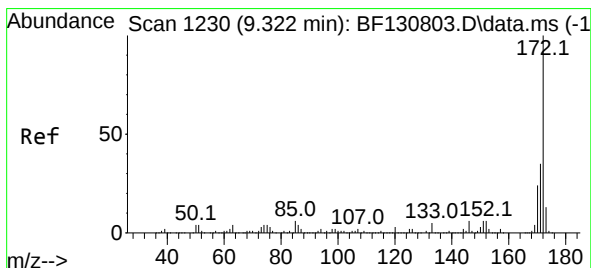
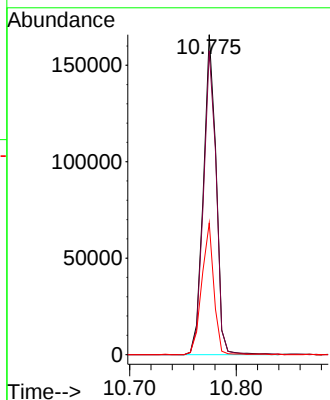
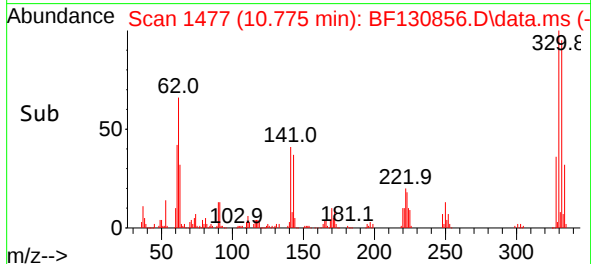
Instrument :
BNA_F
ClientSampleId :
MH-4-WC



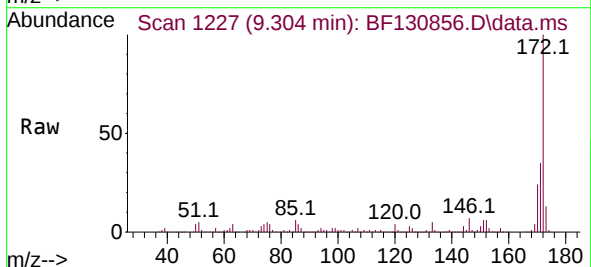
Tgt Ion: 330 Resp: 136803
Ion Ratio Lower Upper
330 100
332 95.2 76.2 114.4
141 38.9 31.4 47.0

Manual Integrations
APPROVED

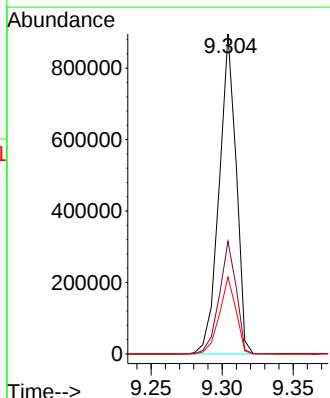
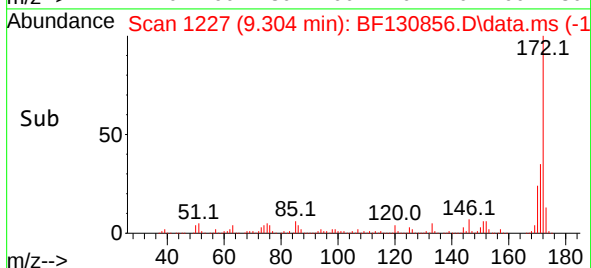
Reviewed By : Christian Giraldo 10/31/2022
Supervised By : Jagrut Upadhyay 11/01/2022

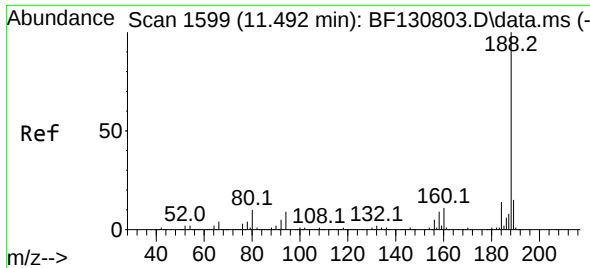


#45
2-Fluorobiphenyl
Concen: 71.054 ng
RT: 9.304 min Scan# 1227
Delta R.T. -0.006 min
Lab File: BF130856.D
Acq: 29 Oct 2022 14:43



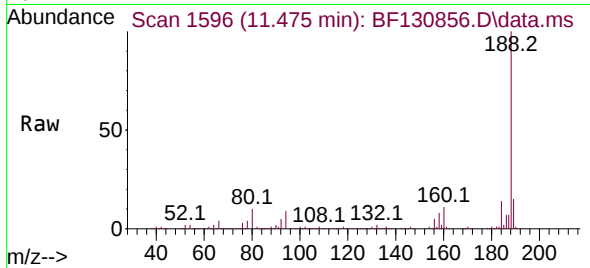
Tgt Ion: 172 Resp: 746162
Ion Ratio Lower Upper
172 100
171 35.2 28.1 42.1
170 24.0 19.0 28.4





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.475 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF130856.D
Acq: 29 Oct 2022 14:43

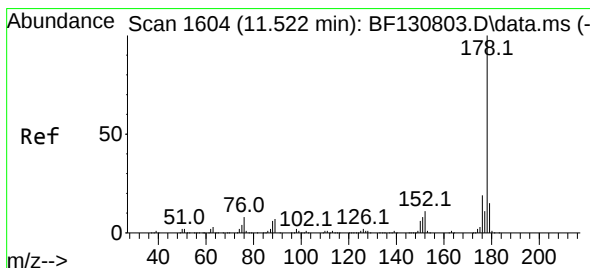
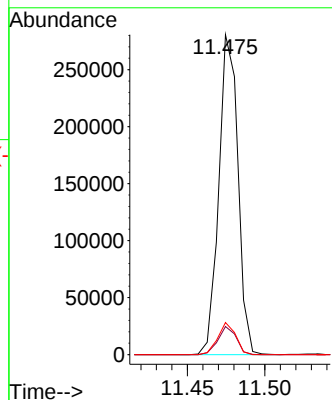
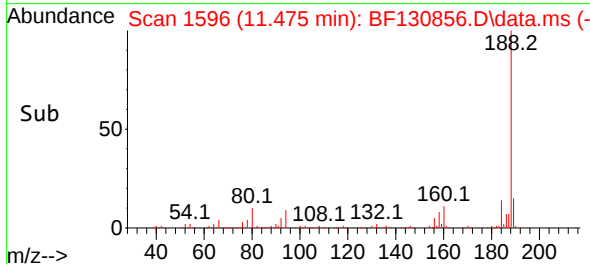
Instrument :
BNA_F
ClientSampleId :
MH-4-WC



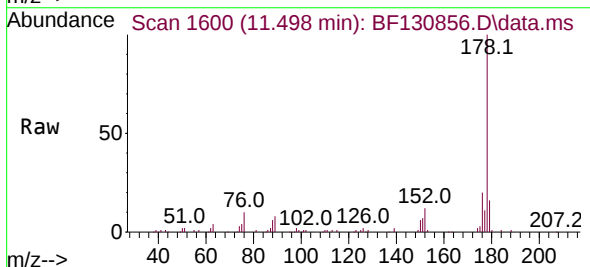
Tgt Ion:188 Resp: 242148
Ion Ratio Lower Upper
188 100
94 8.8 7.4 11.2
80 10.0 8.0 12.0

Manual Integrations
APPROVED

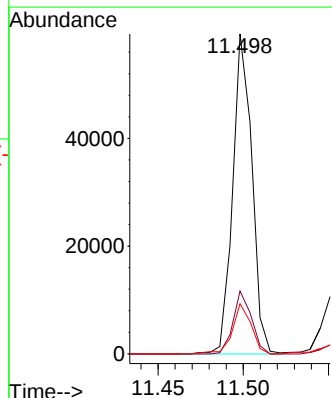
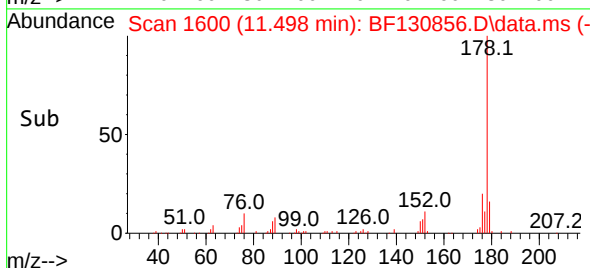
Reviewed By :Christian Giraldo 10/31/2022
Supervised By :Jagrut Upadhyay 11/01/2022

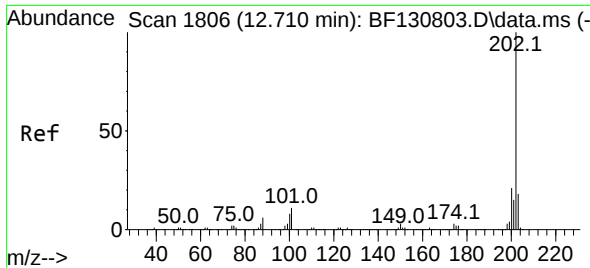


#71
Phenanthrene
Concen: 3.722 ng
RT: 11.498 min Scan# 1600
Delta R.T. -0.012 min
Lab File: BF130856.D
Acq: 29 Oct 2022 14:43



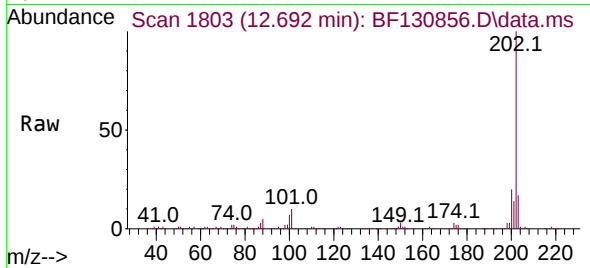
Tgt Ion:178 Resp: 46519
Ion Ratio Lower Upper
178 100
176 19.6 15.5 23.3
179 15.7 12.2 18.2





#75
Fluoranthene
Concen: 7.960 ng
RT: 12.692 min Scan# 1803
Delta R.T. -0.012 min
Lab File: BF130856.D
Acq: 29 Oct 2022 14:43

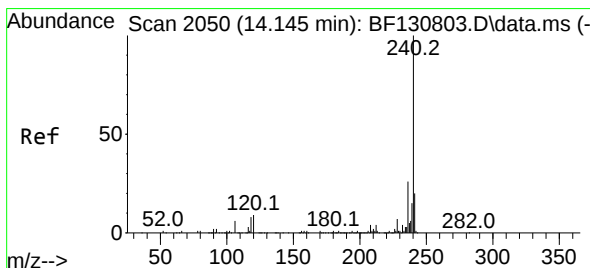
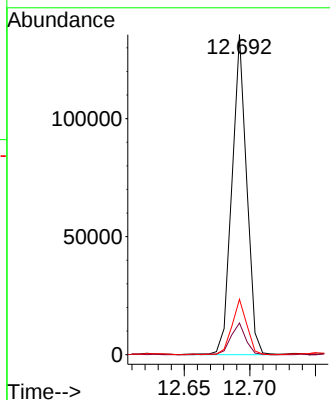
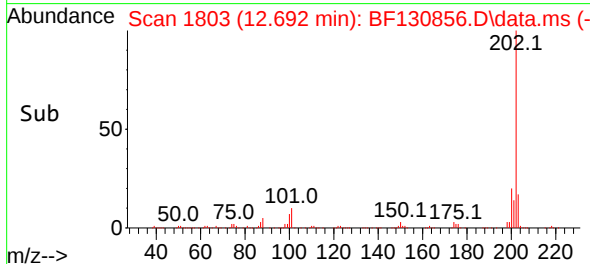
Instrument :
BNA_F
ClientSampleId :
MH-4-WC



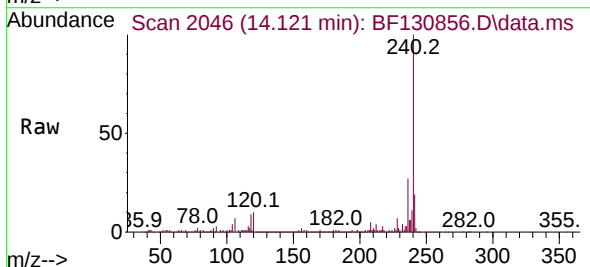
Tgt Ion:202 Resp: 105699
Ion Ratio Lower Upper
202 100
101 9.9 0.0 30.9
203 17.3 0.0 37.7

Manual Integrations
APPROVED

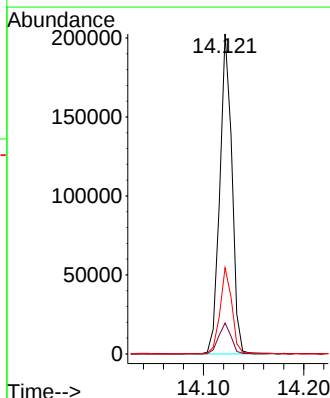
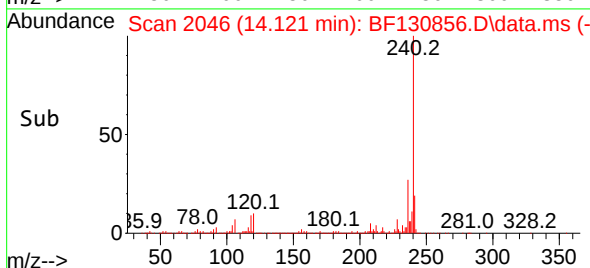
Reviewed By :Christian Giraldo 10/31/2022
Supervised By :Jagrut Upadhyay 11/01/2022

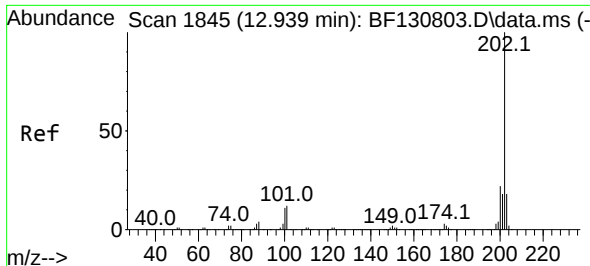


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.121 min Scan# 2046
Delta R.T. -0.012 min
Lab File: BF130856.D
Acq: 29 Oct 2022 14:43



Tgt Ion:240 Resp: 170080
Ion Ratio Lower Upper
240 100
120 9.6 7.0 10.4
236 26.9 20.5 30.7





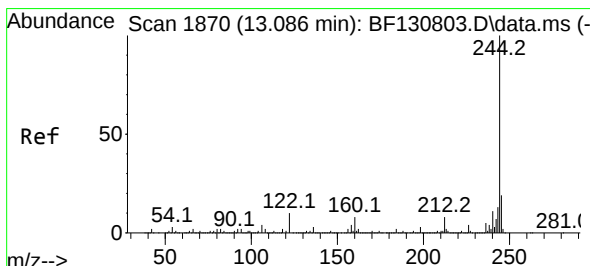
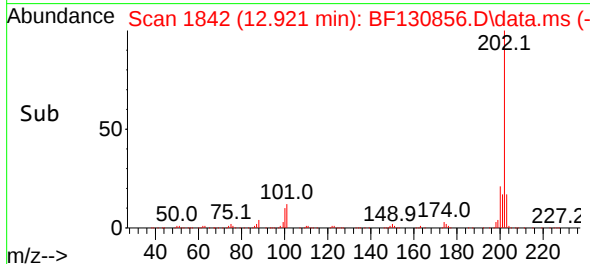
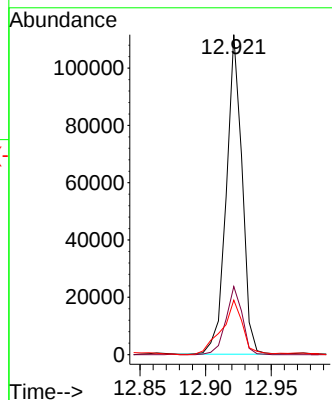
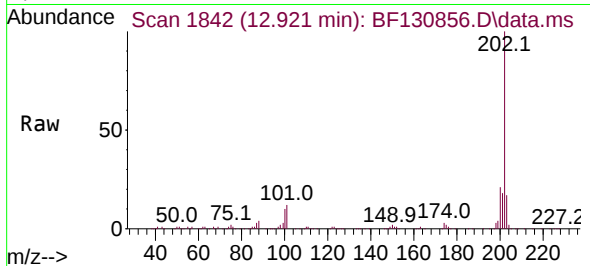
#78
Pyrene
Concen: 6.527 ng
RT: 12.921 min Scan# 1845
Delta R.T. -0.012 min
Lab File: BF130856.D
Acq: 29 Oct 2022 14:43

Instrument :
BNA_F
ClientSampleId :
MH-4-WC

Tgt Ion:202 Resp: 93661
Ion Ratio Lower Upper
202 100
200 21.3 17.2 25.8
203 17.1 14.5 21.7

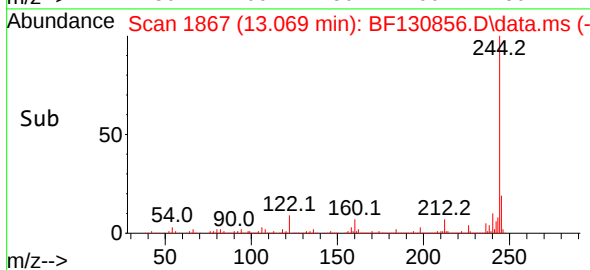
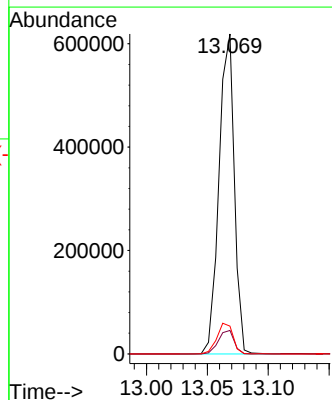
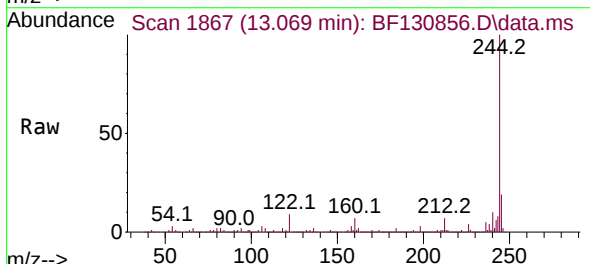
Manual Integrations
APPROVED

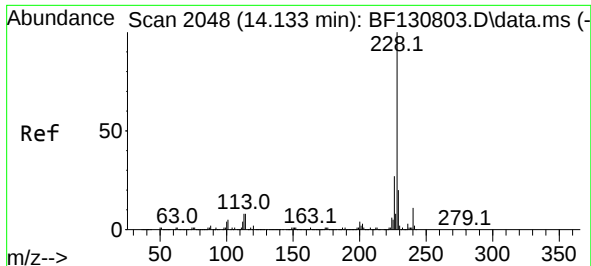
Reviewed By :Christian Giraldo 10/31/2022
Supervised By :Jagrut Upadhyay 11/01/2022



#79
Terphenyl-d14
Concen: 58.494 ng
RT: 13.069 min Scan# 1867
Delta R.T. -0.006 min
Lab File: BF130856.D
Acq: 29 Oct 2022 14:43

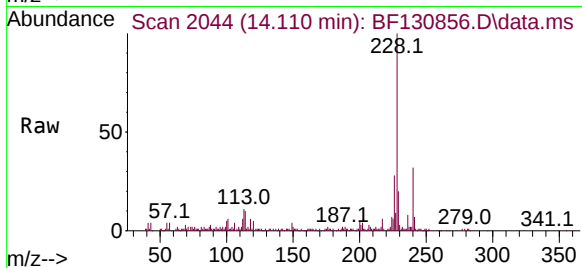
Tgt Ion:244 Resp: 542916
Ion Ratio Lower Upper
244 100
212 7.3 6.2 9.2
122 8.7 7.9 11.9





#81
Benzo(a)anthracene
Concen: 4.243 ng
RT: 14.110 min Scan# 2048
Delta R.T. -0.012 min
Lab File: BF130856.D
Acq: 29 Oct 2022 14:43

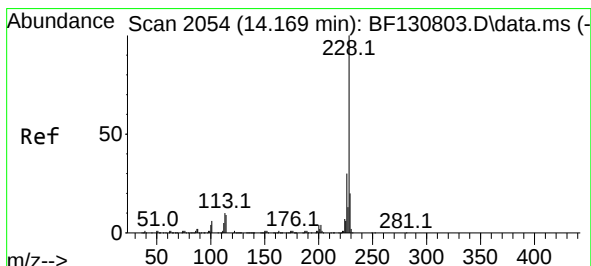
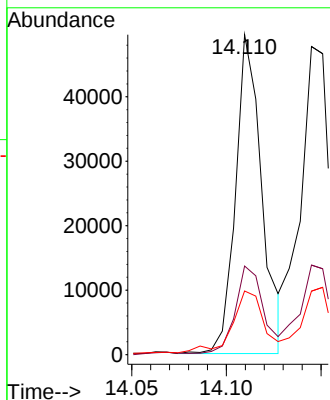
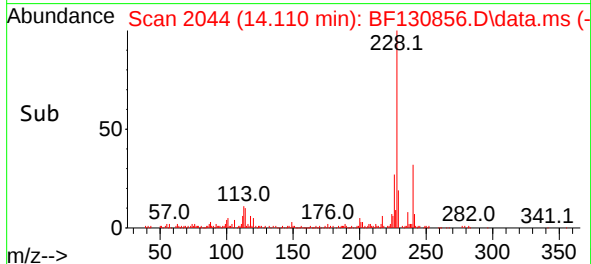
Instrument :
BNA_F
ClientSampleId :
MH-4-WC



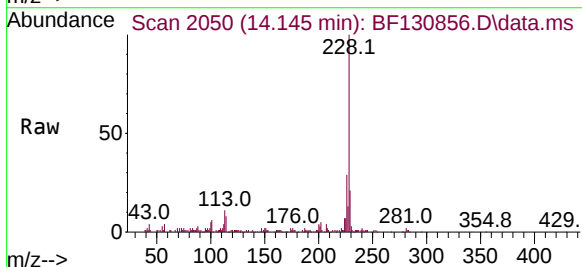
Tgt Ion:228 Resp: 47850
Ion Ratio Lower Upper
228 100
226 27.7 21.4 32.2
229 19.9 15.8 23.6

Manual Integrations
APPROVED

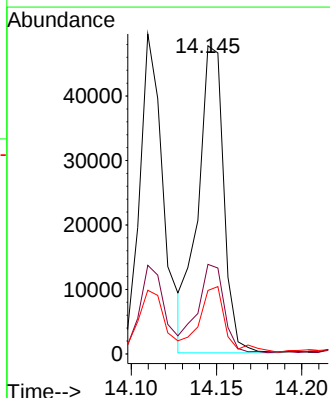
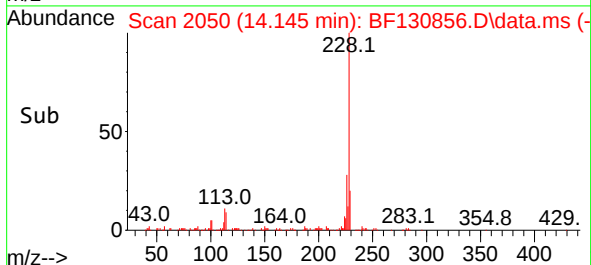
Reviewed By :Christian Giraldo 10/31/2022
Supervised By :Jagrut Upadhyay 11/01/2022

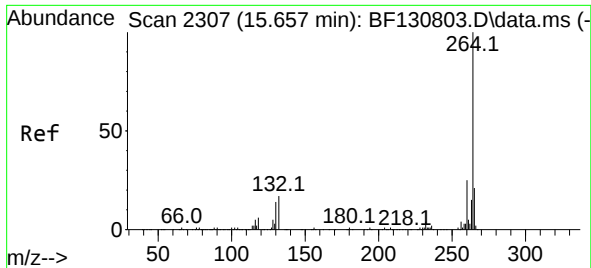


#83
Chrysene
Concen: 4.630 ng
RT: 14.145 min Scan# 2050
Delta R.T. -0.012 min
Lab File: BF130856.D
Acq: 29 Oct 2022 14:43



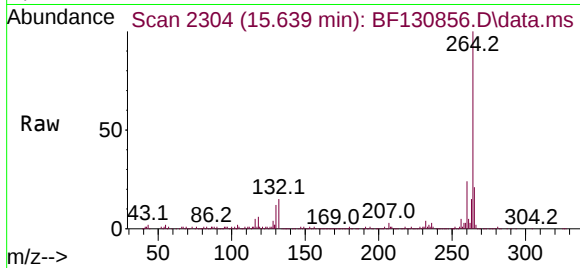
Tgt Ion:228 Resp: 50363
Ion Ratio Lower Upper
228 100
226 29.1 23.9 35.9
229 20.6 15.8 23.6





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.639 min Scan# 2304
Delta R.T. -0.006 min
Lab File: BF130856.D
Acq: 29 Oct 2022 14:43

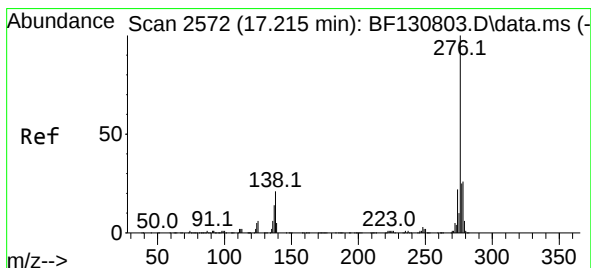
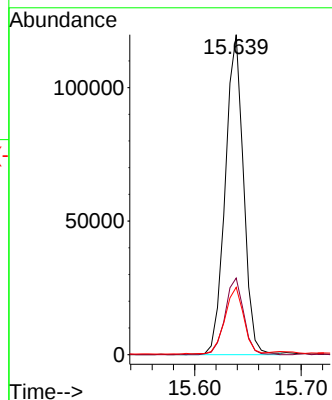
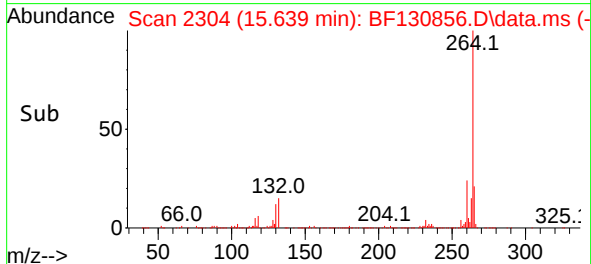
Instrument :
BNA_F
ClientSampleId :
MH-4-WC



Tgt Ion:264 Resp: 142979
Ion Ratio Lower Upper
264 100
260 23.9 19.9 29.9
265 21.0 17.0 25.6

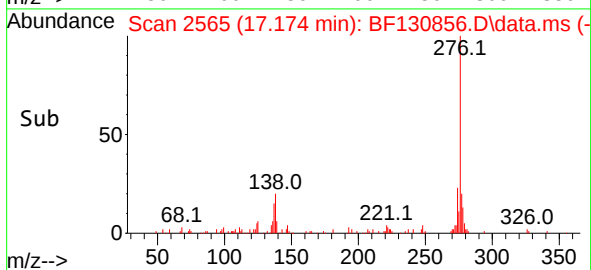
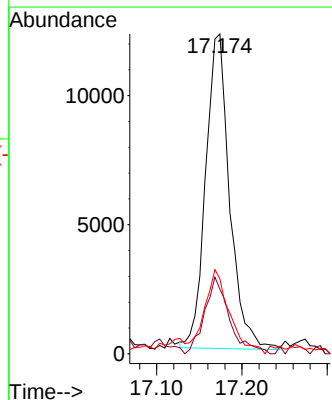
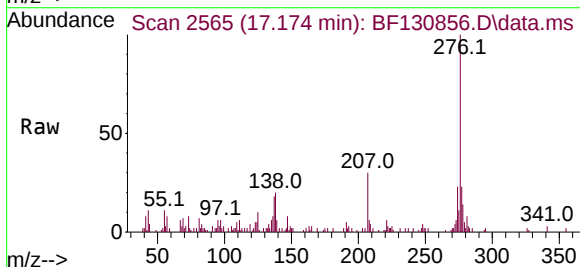
Manual Integrations
APPROVED

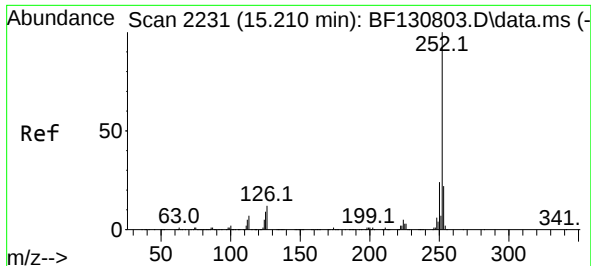
Reviewed By :Christian Giraldo 10/31/2022
Supervised By :Jagrut Upadhyay 11/01/2022



#87
Indeno(1,2,3-cd)pyrene
Concen: 2.510 ng
RT: 17.174 min Scan# 2565
Delta R.T. -0.018 min
Lab File: BF130856.D
Acq: 29 Oct 2022 14:43

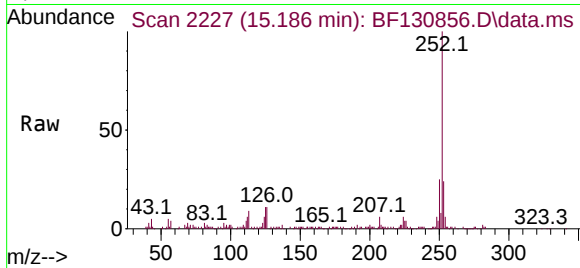
Tgt Ion:276 Resp: 23831
Ion Ratio Lower Upper
276 100
138 25.2 19.1 28.7
277 28.2 20.1 30.1





#88
Benzo(b)fluoranthene
Concen: 6.582 ng m
RT: 15.186 min Scan# 2227
Delta R.T. -0.012 min
Lab File: BF130856.D
Acq: 29 Oct 2022 14:43

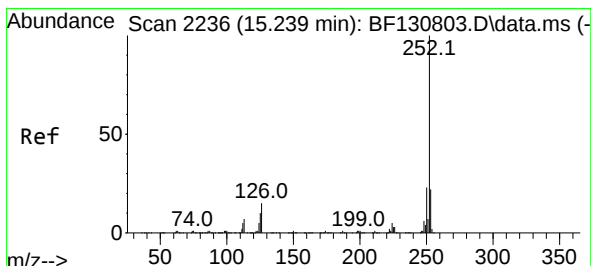
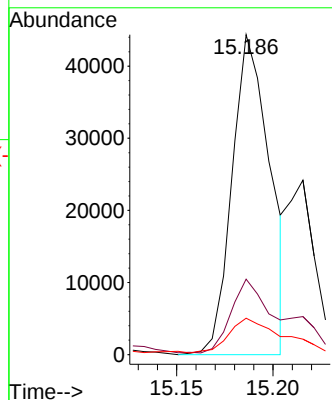
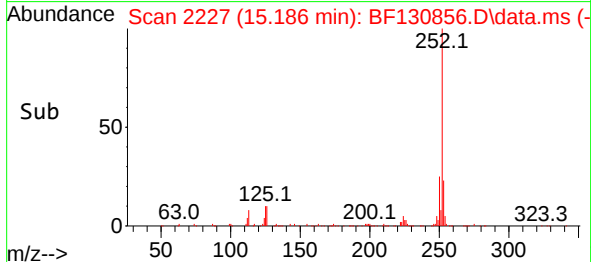
Instrument :
BNA_F
ClientSampleId :
MH-4-WC



Tgt Ion:252 Resp: 60836
Ion Ratio Lower Upper
252 100
253 23.6 17.5 26.3
125 11.4 7.0 10.4

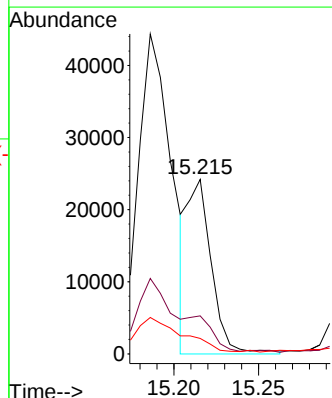
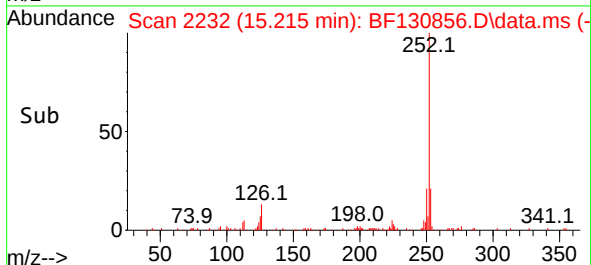
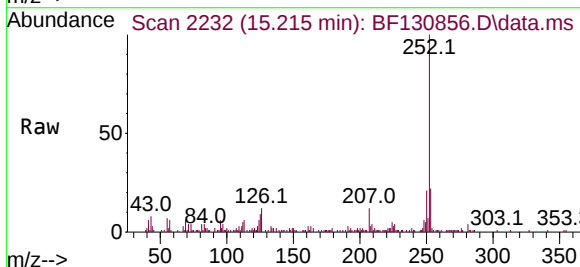
Manual Integrations
APPROVED

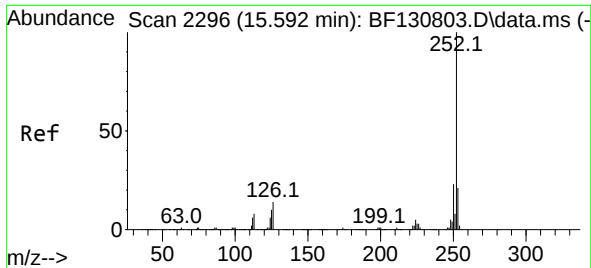
Reviewed By :Christian Giraldo 10/31/2022
Supervised By :Jagrut Upadhyay 11/01/2022



#89
Benzo(k)fluoranthene
Concen: 2.655 ng m
RT: 15.215 min Scan# 2232
Delta R.T. -0.012 min
Lab File: BF130856.D
Acq: 29 Oct 2022 14:43

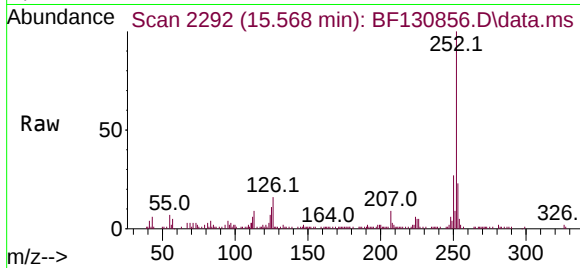
Tgt Ion:252 Resp: 23913
Ion Ratio Lower Upper
252 100
253 21.7 17.5 26.3
125 8.8 8.0 12.0





#90
Benzo(a)pyrene
Concen: 5.247 ng
RT: 15.568 min Scan# 211
Delta R.T. -0.012 min
Lab File: BF130856.D
Acq: 29 Oct 2022 14:43

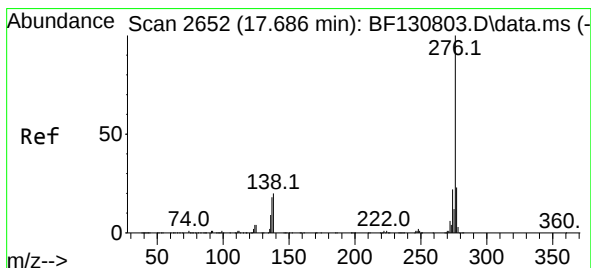
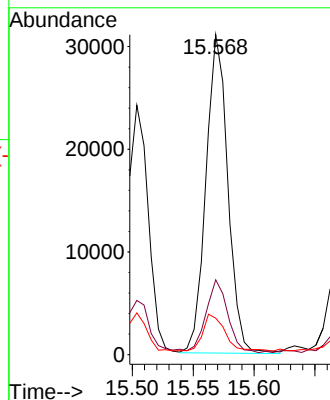
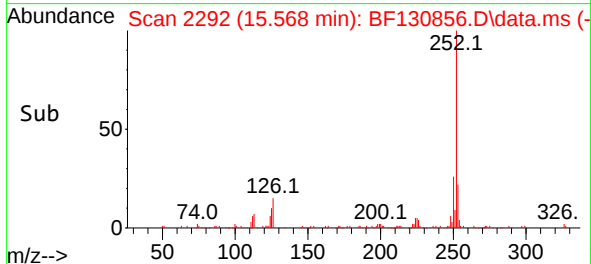
Instrument :
BNA_F
ClientSampleId :
MH-4-WC



Tgt Ion:252 Resp: 38986
Ion Ratio Lower Upper
252 100
253 23.4 16.8 25.2
125 11.4 8.3 12.5

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 10/31/2022
Supervised By :Jagrut Upadhyay 11/01/2022



#92
Benzo(g,h,i)perylene
Concen: 2.949 ng
RT: 17.639 min Scan# 2644
Delta R.T. -0.029 min
Lab File: BF130856.D
Acq: 29 Oct 2022 14:43

Tgt Ion:276 Resp: 23291
Ion Ratio Lower Upper
276 100
277 21.9 18.8 28.2
138 21.3 16.3 24.5

