

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101322\
 Data File : BF130655.D
 Acq On : 13 Oct 2022 19:33
 Operator : CG\JU
 Sample : N5111-01 2X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-3

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 10/14/2022
 Supervised By : Jagrut Upadhyay 10/14/2022

Quant Time: Oct 14 06:02:51 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101122.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 12 06:52:52 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.587	152	82909	20.000	ng	0.00
21) Naphthalene-d8	7.869	136	301644	20.000	ng	0.00
39) Acenaphthene-d10	9.616	164	134513	20.000	ng	0.00
64) Phenanthrene-d10	11.092	188	189213	20.000	ng	0.00
76) Chrysene-d12	13.721	240	176540	20.000	ng	0.00
86) Perylene-d12	15.098	264	147140	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.187	112	243221	52.879	ng	0.00
7) Phenol-d6	6.234	99	294058	50.849	ng	0.00
23) Nitrobenzene-d5	7.151	82	180806	32.722	ng	-0.01
42) 2,4,6-Tribromophenol	10.404	330	56878	43.214	ng	0.00
45) 2-Fluorobiphenyl	8.945	172	318526	35.869	ng	0.00
79) Terphenyl-d14	12.674	244	259710	24.416	ng	-0.01
Target Compounds						
						Qvalue
71) Phenanthrene	11.116	178	32176	3.069	ng	99
75) Fluoranthene	12.304	202	55759	5.534	ng	99
78) Pyrene	12.527	202	52627	3.455	ng	99
81) Benzo(a)anthracene	13.716	228	30093	2.530	ng	98
83) Chrysene	13.751	228	27376m	2.427	ng	
88) Benzo(b)fluoranthene	14.721	252	28776m	3.088	ng	
90) Benzo(a)pyrene	15.045	252	20972	2.704	ng	# 96

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

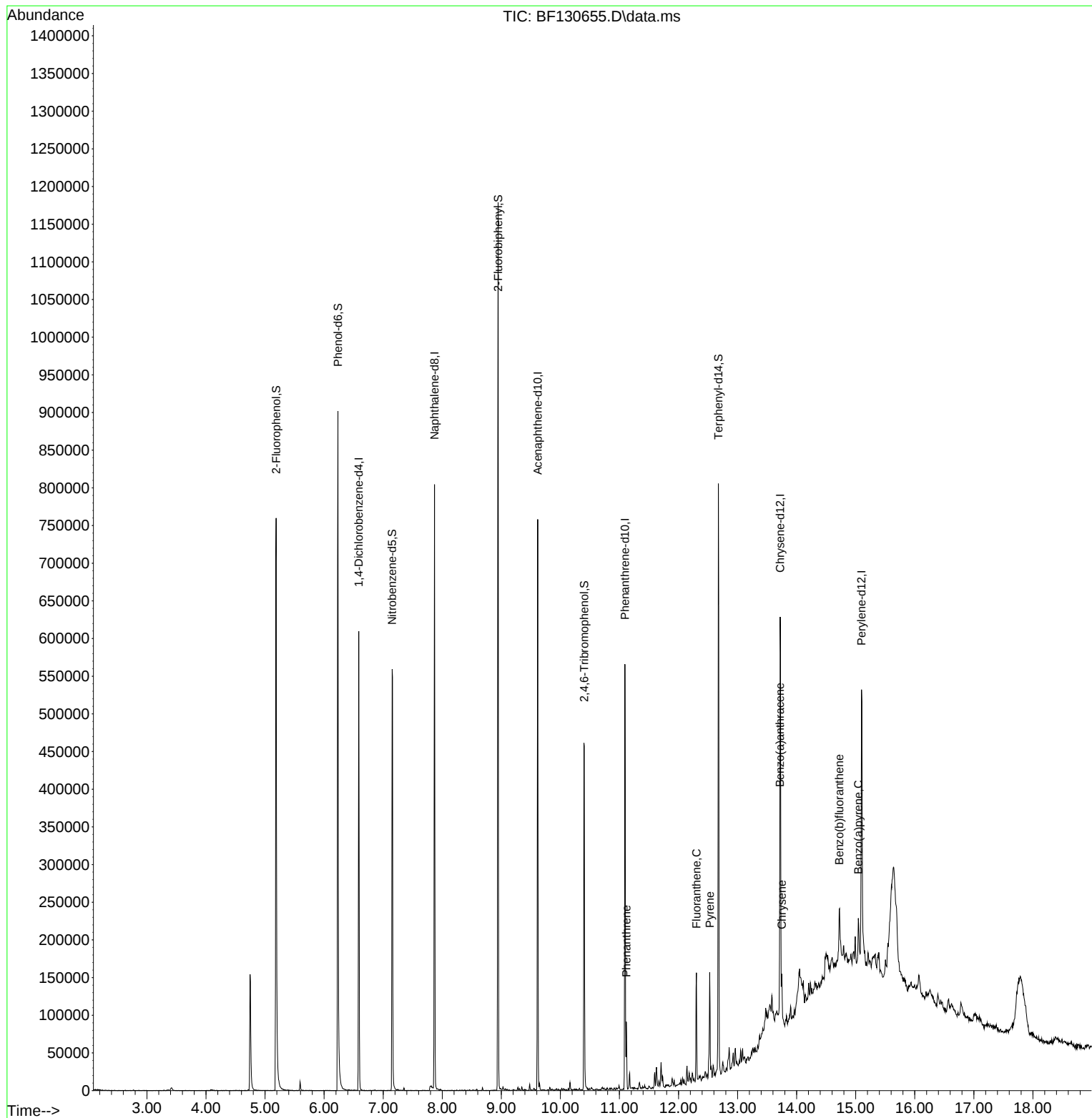
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101322\
Data File : BF130655.D
Acq On : 13 Oct 2022 19:33
Operator : CG\JU
Sample : N5111-01 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

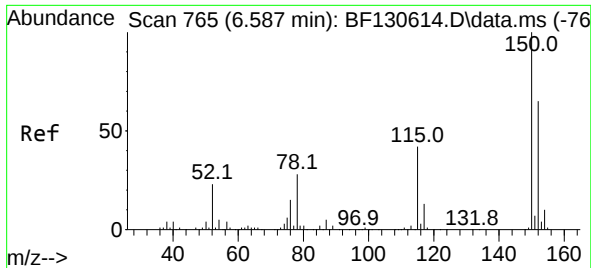
Instrument :
BNA_F
ClientSampleId :
WC-3

Quant Time: Oct 14 06:02:51 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101122.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 12 06:52:52 2022
Response via : Initial Calibration

Manual Integrations
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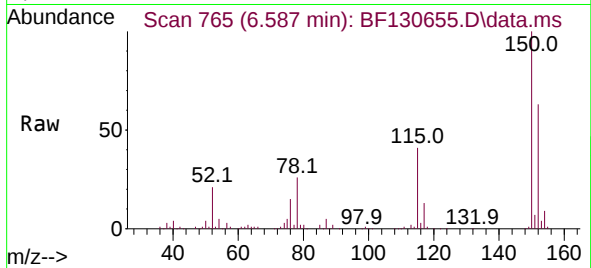
Reviewed By : Christian Giraldo 10/14/2022
Supervised By : Jagrut Upadhyay 10/14/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.587 min Scan# 765
Delta R.T. -0.000 min
Lab File: BF130655.D
Acq: 13 Oct 2022 19:33

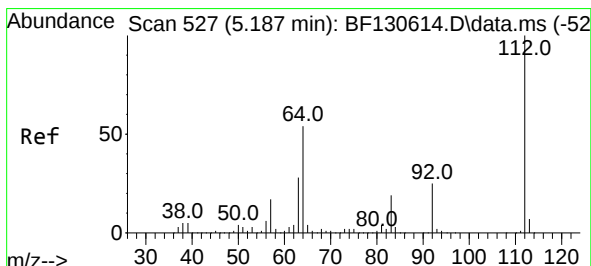
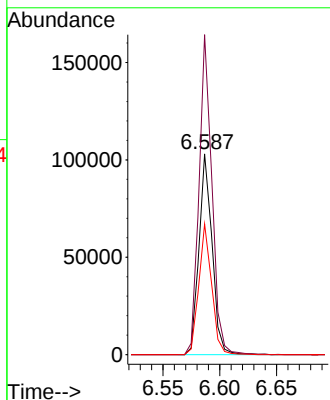
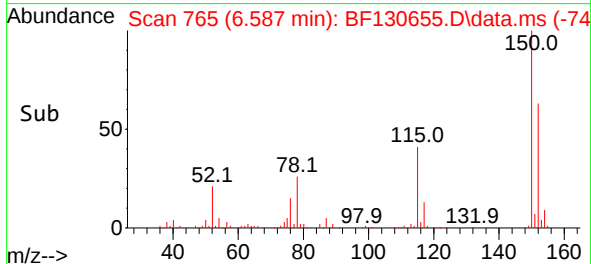
Instrument :
BNA_F
ClientSampleId :
WC-3



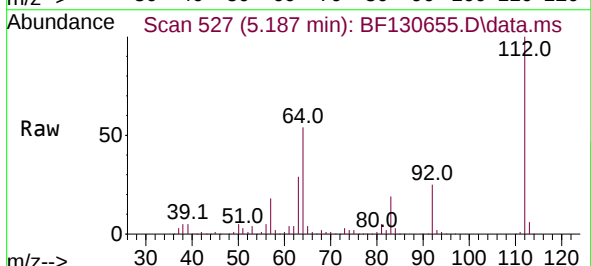
Tgt Ion:152 Resp: 82909
Ion Ratio Lower Upper
152 100
150 159.5 123.8 185.6
115 65.1 52.2 78.4

Manual Integrations
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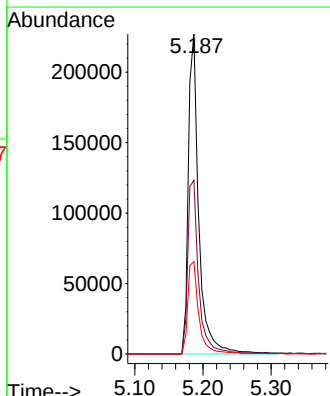
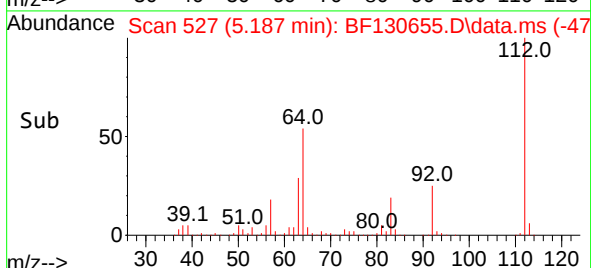
Reviewed By :Christian Giraldo 10/14/2022
Supervised By :Jagrut Upadhyay 10/14/2022

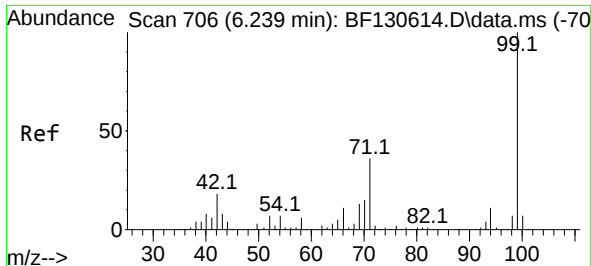


#5
2-Fluorophenol
Concen: 52.879 ng
RT: 5.187 min Scan# 527
Delta R.T. 0.000 min
Lab File: BF130655.D
Acq: 13 Oct 2022 19:33



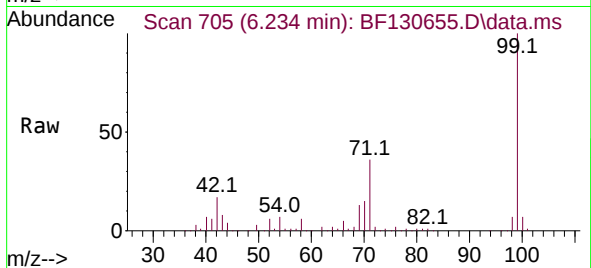
Tgt Ion:112 Resp: 243221
Ion Ratio Lower Upper
112 100
64 54.3 43.5 65.3
63 28.8 22.6 34.0





#7
Phenol-d6
Concen: 50.849 ng
RT: 6.234 min Scan# 706
Delta R.T. -0.006 min
Lab File: BF130655.D
Acq: 13 Oct 2022 19:33

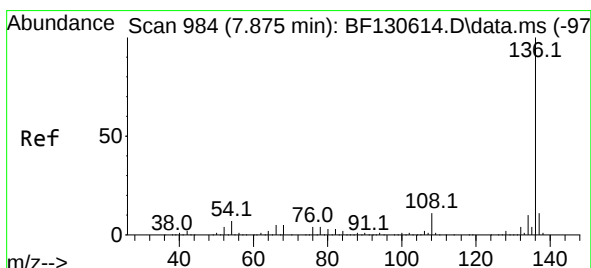
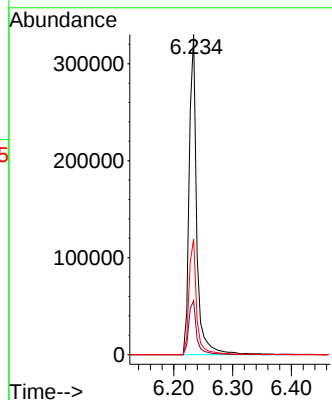
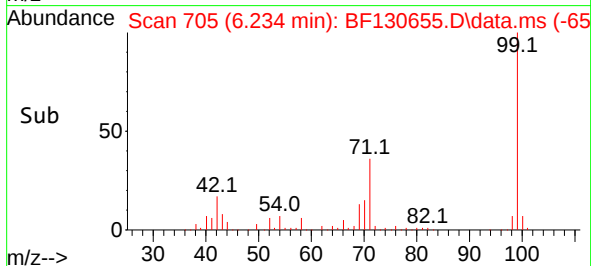
Instrument :
BNA_F
ClientSampleId :
WC-3



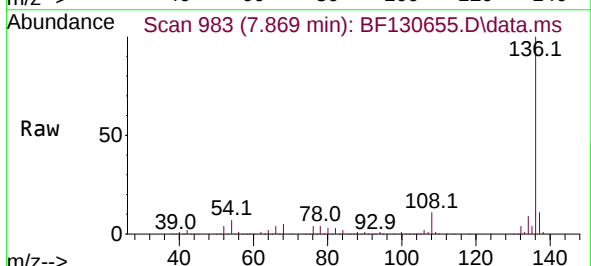
Tgt Ion: 99 Resp: 294058
Ion Ratio Lower Upper
99 100
42 16.9 14.0 21.0
71 36.1 28.8 43.2

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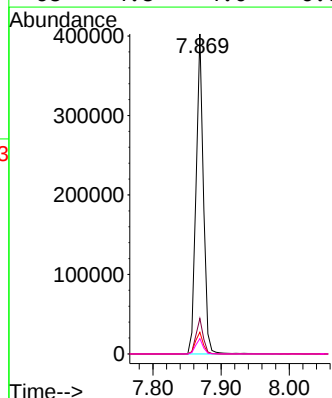
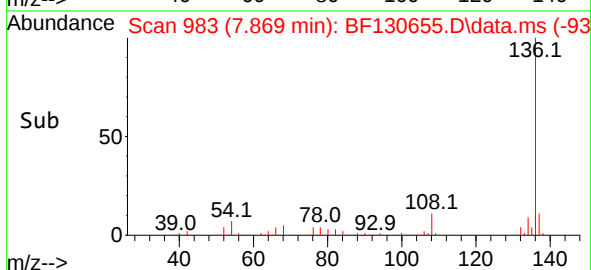
Reviewed By :Christian Giraldo 10/14/2022
Supervised By :Jagrut Upadhyay 10/14/2022

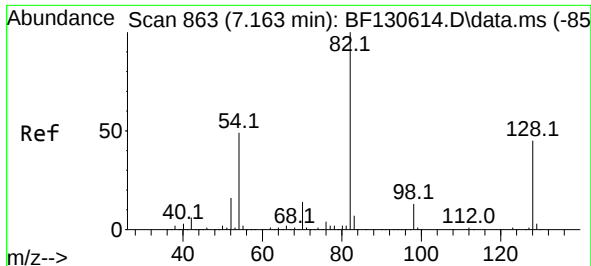


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.869 min Scan# 983
Delta R.T. -0.006 min
Lab File: BF130655.D
Acq: 13 Oct 2022 19:33



Tgt Ion:136 Resp: 301644
Ion Ratio Lower Upper
136 100
137 11.1 8.4 12.6
54 6.8 5.5 8.3
68 4.8 4.0 6.0





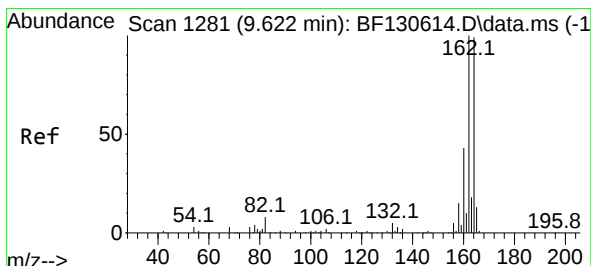
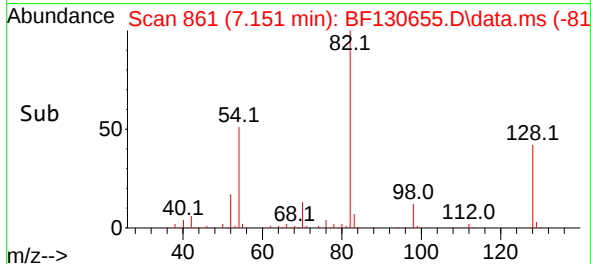
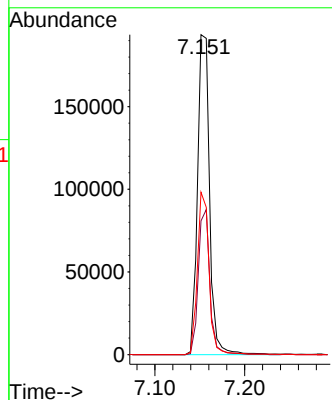
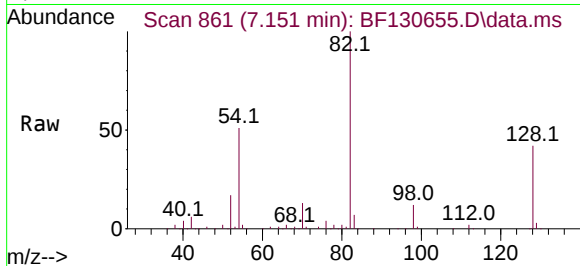
#23
Nitrobenzene-d5
Concen: 32.722 ng
RT: 7.151 min Scan# 80
Delta R.T. -0.012 min
Lab File: BF130655.D
Acq: 13 Oct 2022 19:33

Instrument :
BNA_F
ClientSampleId :
WC-3

Tgt Ion: 82 Resp: 180806
Ion Ratio Lower Upper
82 100
128 41.8 35.8 53.6
54 50.7 39.3 58.9

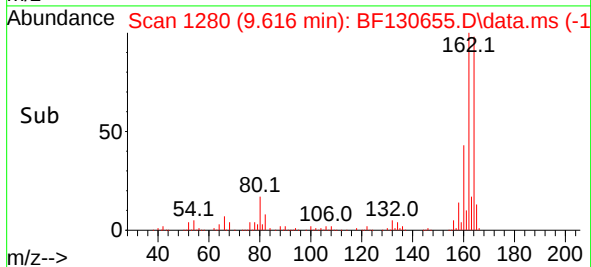
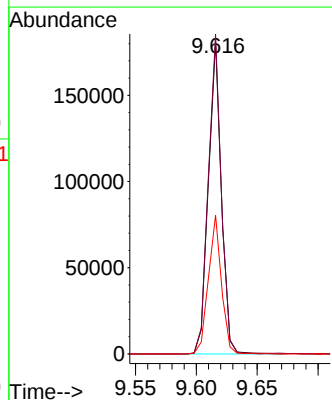
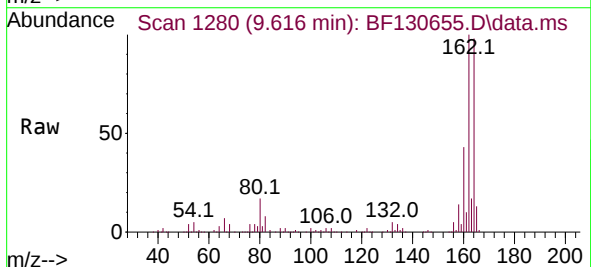
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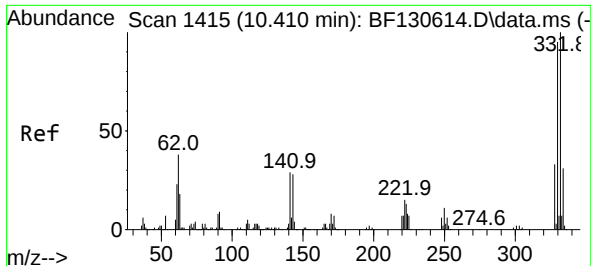
Reviewed By :Christian Giraldo 10/14/2022
Supervised By :Jagrut Upadhyay 10/14/2022



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.616 min Scan# 1280
Delta R.T. -0.006 min
Lab File: BF130655.D
Acq: 13 Oct 2022 19:33

Tgt Ion:164 Resp: 134513
Ion Ratio Lower Upper
164 100
162 102.4 81.0 121.4
160 44.4 34.5 51.7





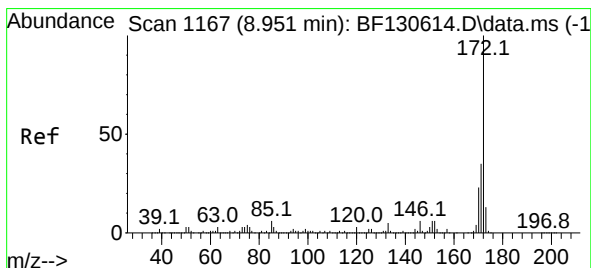
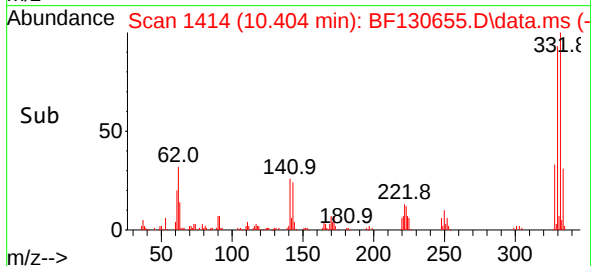
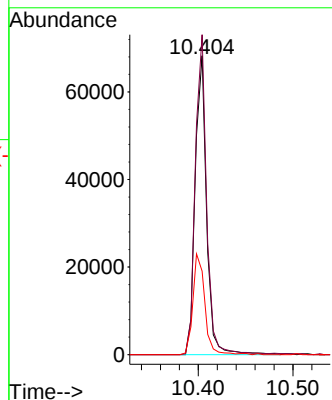
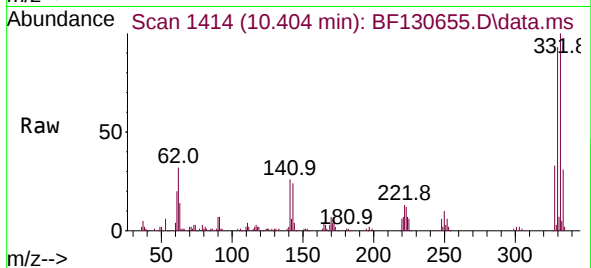
#42
2,4,6-Tribromophenol
Concen: 43.214 ng
RT: 10.404 min Scan# 1415
Delta R.T. -0.006 min
Lab File: BF130655.D
Acq: 13 Oct 2022 19:33

Instrument :
BNA_F
ClientSampleId :
WC-3

Tgt Ion: 330 Resp: 56878
Ion Ratio Lower Upper
330 100
332 106.5 84.2 126.4
141 35.3 26.8 40.2

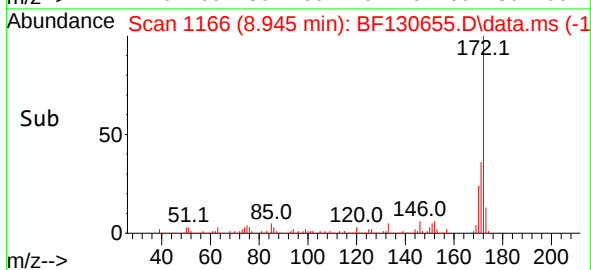
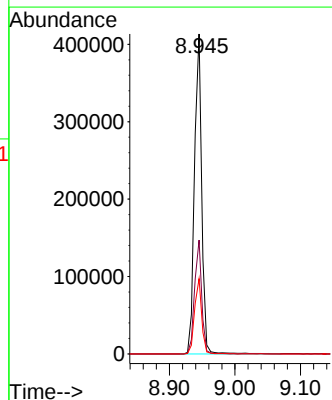
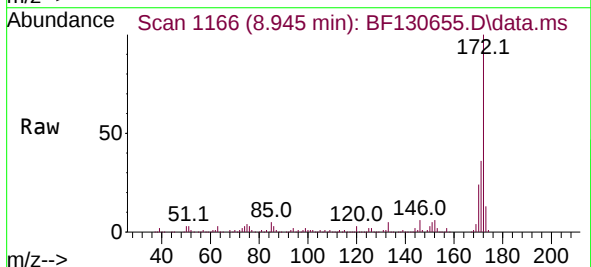
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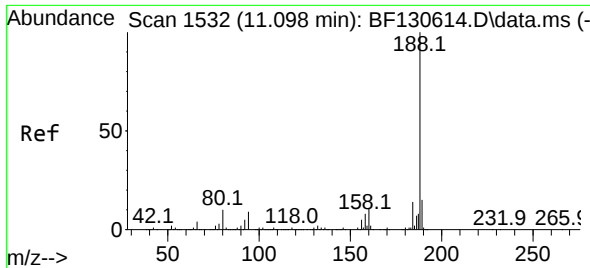
Reviewed By : Christian Giraldo 10/14/2022
Supervised By : Jagrut Upadhyay 10/14/2022



#45
2-Fluorobiphenyl
Concen: 35.869 ng
RT: 8.945 min Scan# 1166
Delta R.T. -0.006 min
Lab File: BF130655.D
Acq: 13 Oct 2022 19:33

Tgt Ion: 172 Resp: 318526
Ion Ratio Lower Upper
172 100
171 35.6 27.8 41.8
170 23.5 18.6 27.8





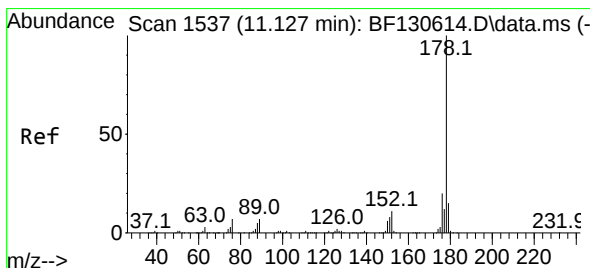
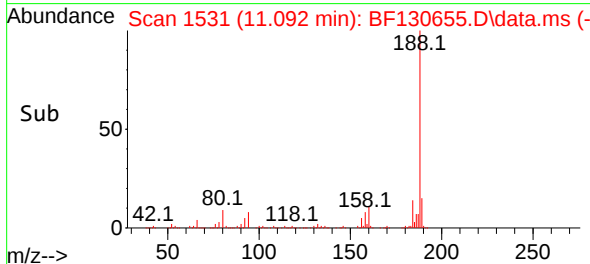
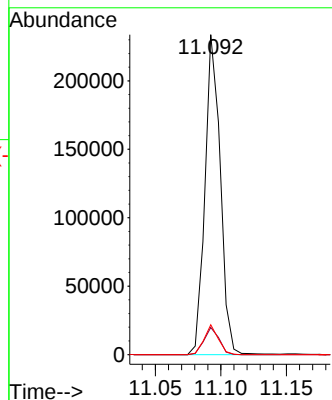
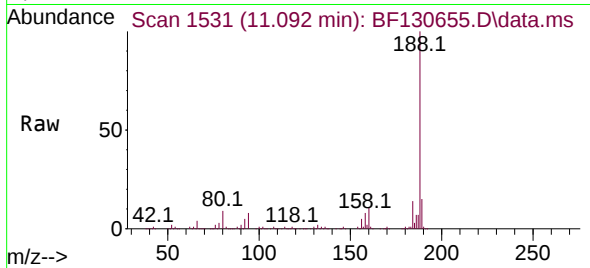
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.092 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF130655.D
Acq: 13 Oct 2022 19:33

Instrument :
BNA_F
ClientSampleId :
WC-3

Tgt Ion:188 Resp: 189213
Ion Ratio Lower Upper
188 100
94 8.5 7.4 11.2
80 9.3 8.0 12.0

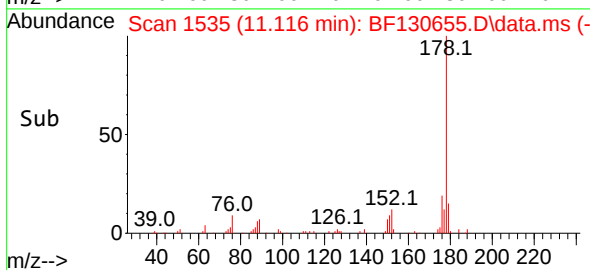
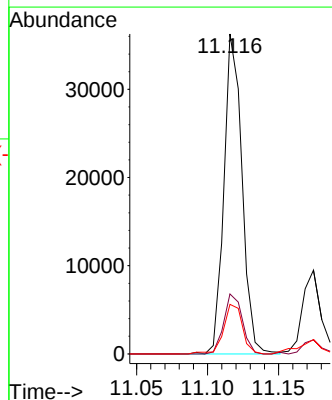
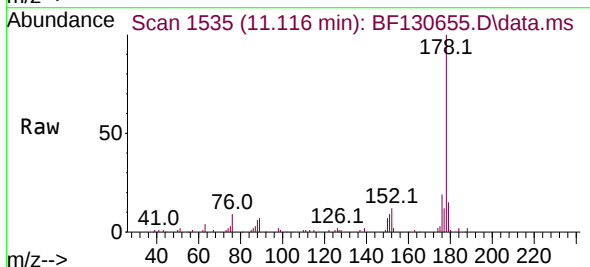
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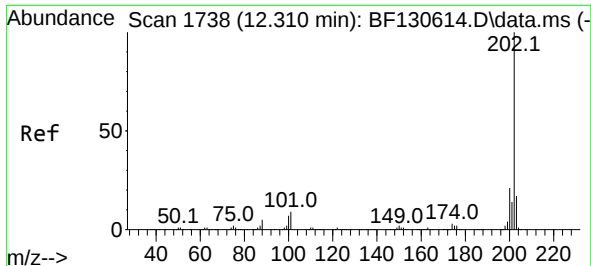
Reviewed By :Christian Giraldo 10/14/2022
Supervised By :Jagrut Upadhyay 10/14/2022



#71
Phenanthrene
Concen: 3.069 ng
RT: 11.116 min Scan# 1535
Delta R.T. -0.012 min
Lab File: BF130655.D
Acq: 13 Oct 2022 19:33

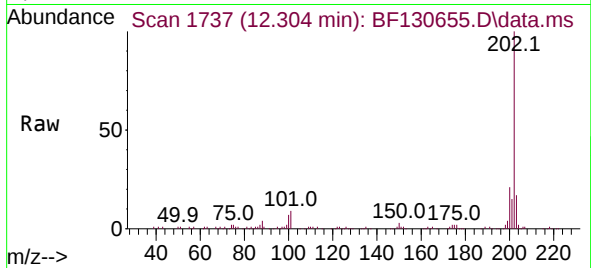
Tgt Ion:178 Resp: 32176
Ion Ratio Lower Upper
178 100
176 18.7 15.7 23.5
179 15.5 12.2 18.4





#75
Fluoranthene
Concen: 5.534 ng
RT: 12.304 min Scan# 1738
Delta R.T. -0.006 min
Lab File: BF130655.D
Acq: 13 Oct 2022 19:33

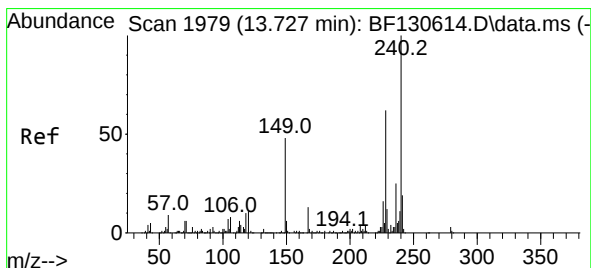
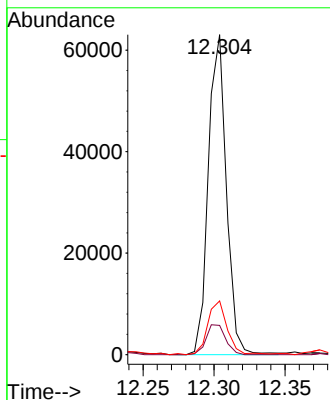
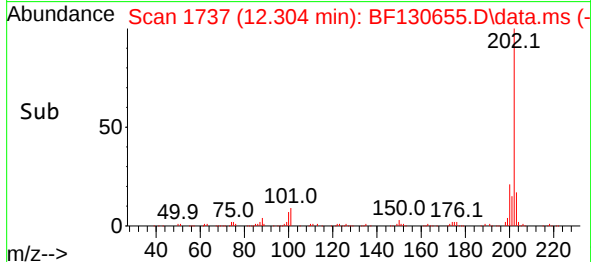
Instrument :
BNA_F
ClientSampleId :
WC-3



Tgt Ion:202 Resp: 55759
Ion Ratio Lower Upper
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101 9.1 0.0 29.1
203 16.8 0.0 37.3

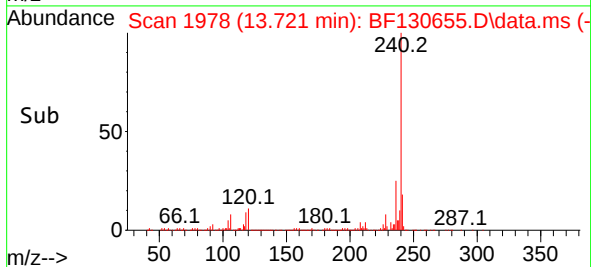
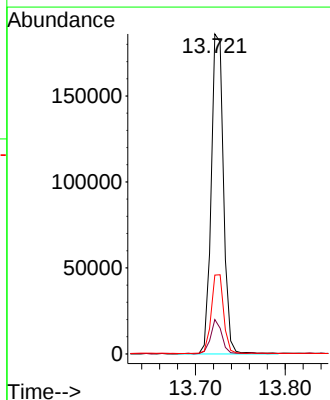
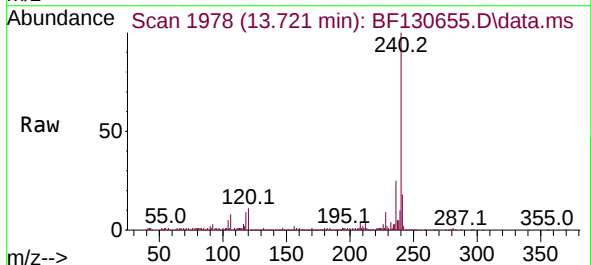
Manual Integrations
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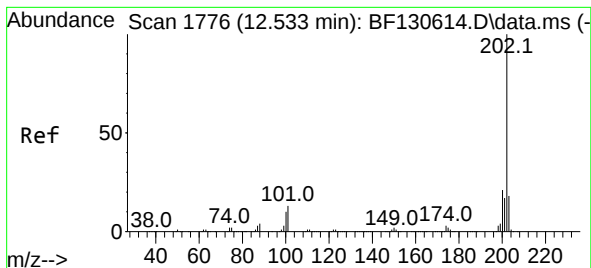
Reviewed By :Christian Giraldo 10/14/2022
Supervised By :Jagrut Upadhyay 10/14/2022



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.721 min Scan# 1978
Delta R.T. -0.006 min
Lab File: BF130655.D
Acq: 13 Oct 2022 19:33

Tgt Ion:240 Resp: 176540
Ion Ratio Lower Upper
240 100
120 10.7 8.6 13.0
236 24.6 20.2 30.4





#78

Pyrene

Concen: 3.455 ng

RT: 12.527 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF130655.D

Acq: 13 Oct 2022 19:33

Instrument :

BNA_F

ClientSampleId :

WC-3

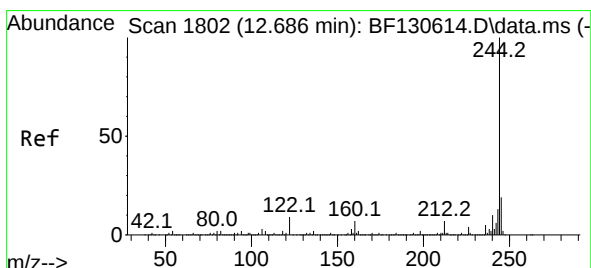
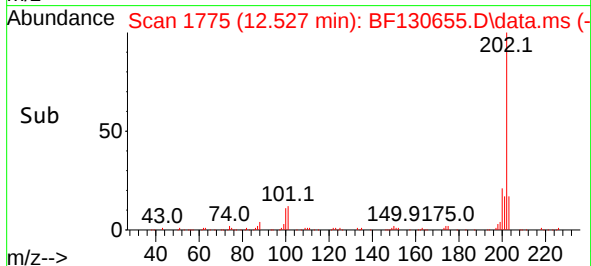
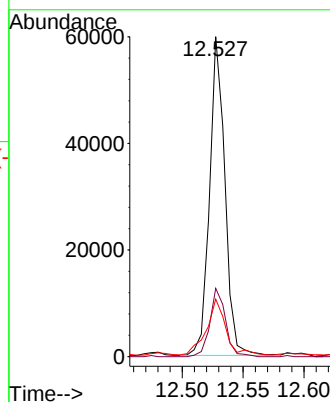
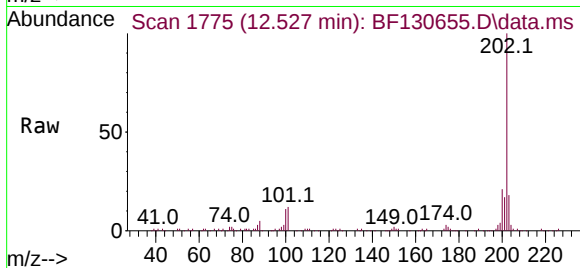
Tgt Ion:	202	Resp:	5262
Ion Ratio	Lower	Upper	
202	100		
200	21.3	16.7	25.1
203	18.0	14.0	21.0

Manual Integrations

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#79

Terphenyl-d14

Concen: 24.416 ng

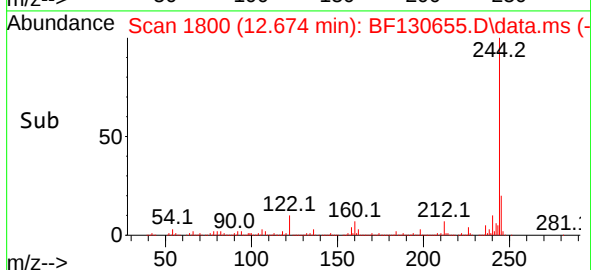
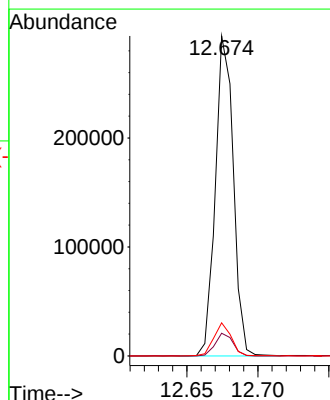
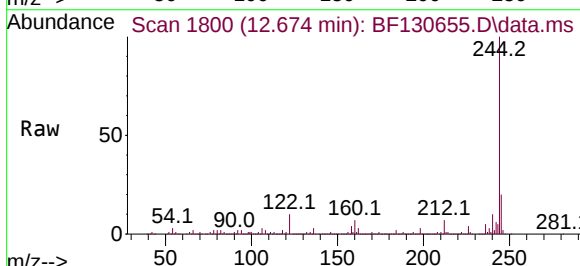
RT: 12.674 min Scan# 1800

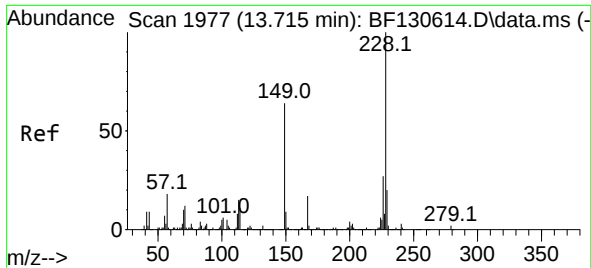
Delta R.T. -0.012 min

Lab File: BF130655.D

Acq: 13 Oct 2022 19:33

Tgt Ion:	244	Resp:	259710
Ion Ratio	Lower	Upper	
244	100		
212	7.1	5.4	8.0
122	10.3	7.5	11.3





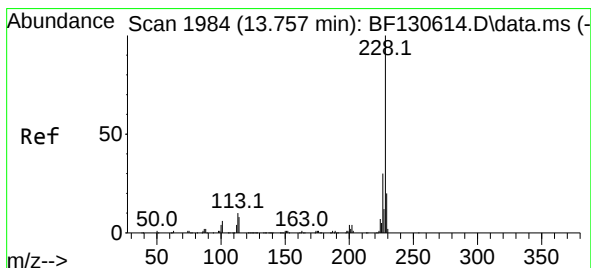
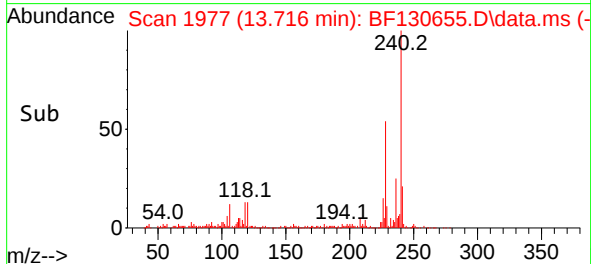
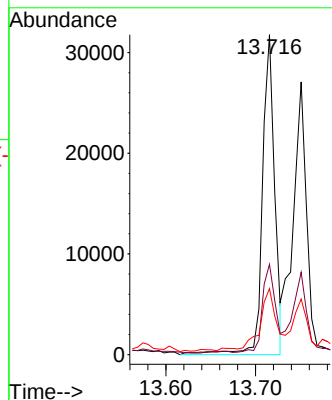
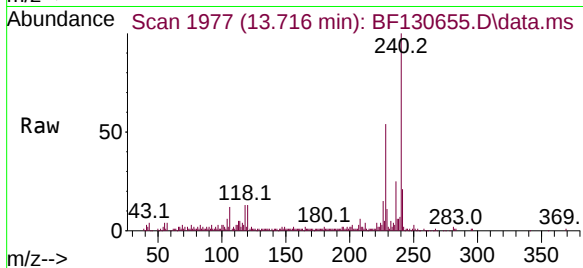
#81
Benzo(a)anthracene
Concen: 2.530 ng
RT: 13.716 min Scan# 1977
Delta R.T. 0.000 min
Lab File: BF130655.D
Acq: 13 Oct 2022 19:33

Instrument :
BNA_F
ClientSampleId :
WC-3

Tgt Ion:228 Resp: 3093
Ion Ratio Lower Upper
228 100
226 28.2 21.4 32.2
229 20.6 15.8 23.8

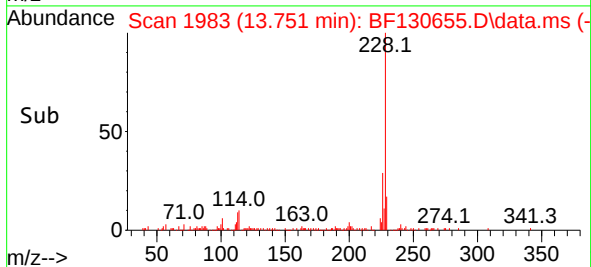
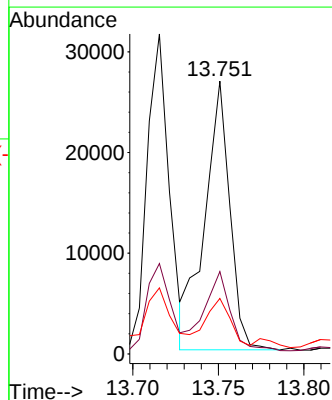
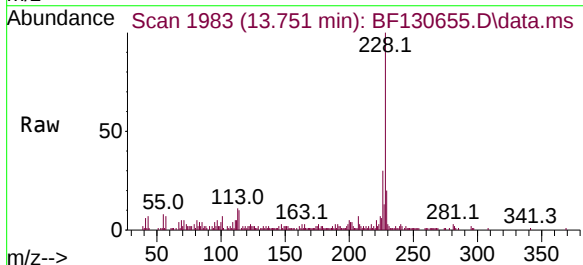
Manual Integrations
APPROVED

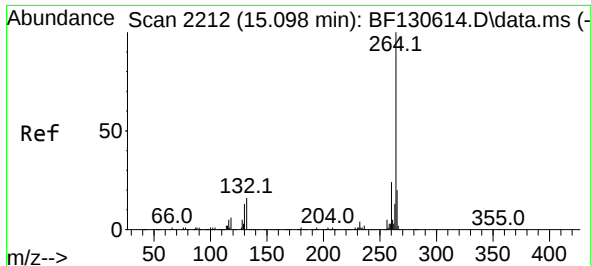
Reviewed By :Christian Giraldo 10/14/2022
Supervised By :Jagrut Upadhyay 10/14/2022



#83
Chrysene
Concen: 2.427 ng m
RT: 13.751 min Scan# 1983
Delta R.T. -0.006 min
Lab File: BF130655.D
Acq: 13 Oct 2022 19:33

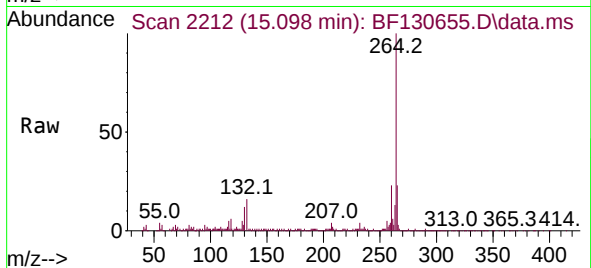
Tgt Ion:228 Resp: 27376
Ion Ratio Lower Upper
228 100
226 30.2 23.9 35.9
229 20.3 15.9 23.9





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.098 min Scan# 2212
Delta R.T. 0.000 min
Lab File: BF130655.D
Acq: 13 Oct 2022 19:33

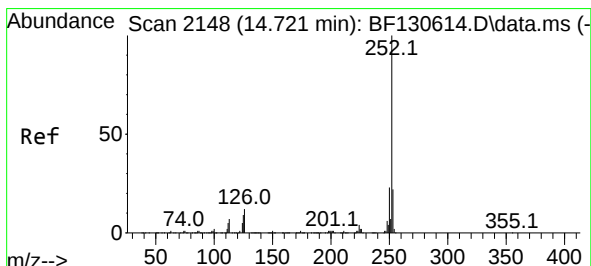
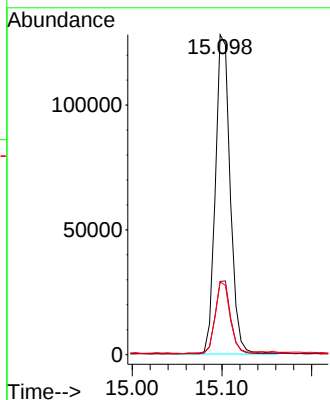
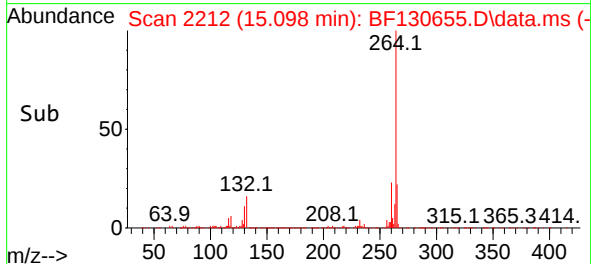
Instrument :
BNA_F
ClientSampleId :
WC-3



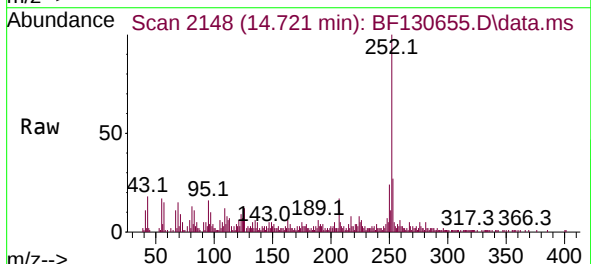
Tgt Ion:264 Resp: 147140
Ion Ratio Lower Upper
264 100
260 22.9 19.1 28.7
265 22.8 16.4 24.6

Manual Integrations
APPROVED

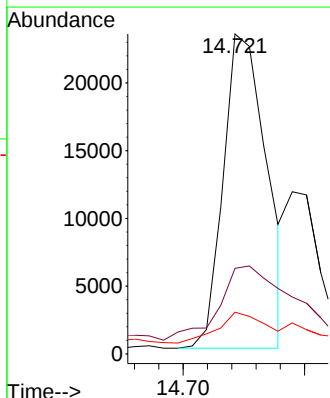
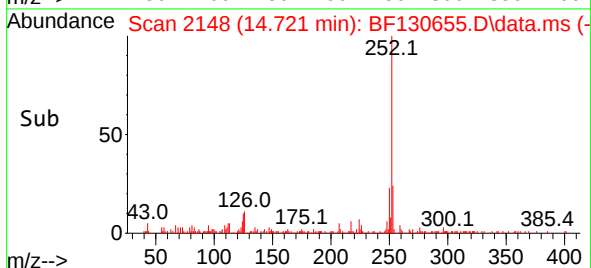
Reviewed By :Christian Giraldo 10/14/2022
Supervised By :Jagrut Upadhyay 10/14/2022

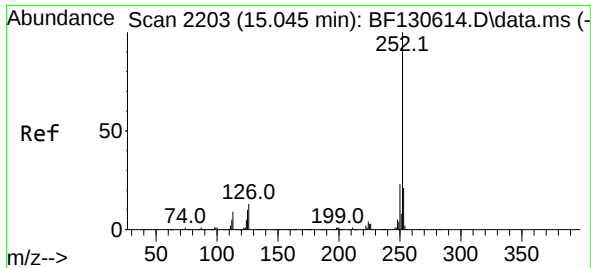


#88
Benzo(b)fluoranthene
Concen: 3.088 ng m
RT: 14.721 min Scan# 2148
Delta R.T. 0.000 min
Lab File: BF130655.D
Acq: 13 Oct 2022 19:33



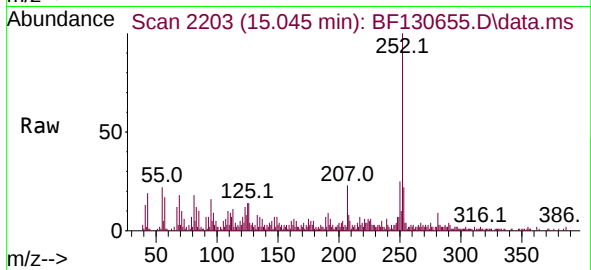
Tgt Ion:252 Resp: 28776
Ion Ratio Lower Upper
252 100
253 26.7 17.4 26.2#
125 13.0 7.4 11.0#





#90
Benzo(a)pyrene
Concen: 2.704 ng
RT: 15.045 min Scan# 2203
Delta R.T. 0.000 min
Lab File: BF130655.D
Acq: 13 Oct 2022 19:33

Instrument :
BNA_F
ClientSampleId :
WC-3



Tgt Ion:252 Resp: 20972
Ion Ratio Lower Upper
252 100
253 22.0 17.0 25.6
125 14.0 8.4 12.6

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 10/14/2022
Supervised By :Jagrut Upadhyay 10/14/2022

