

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110122\
 Data File : BF130917.D
 Acq On : 02 Nov 2022 00:17
 Operator : CG\JU
 Sample : N5359-01DL 10X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HD-01-102822DL

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 11/02/2022
 Supervised By : Jagrut Upadhyay 11/02/2022

Quant Time: Nov 02 08:26:52 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102722.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 02 08:18:35 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.939	152	72981	20.000	ng	0.00
21) Naphthalene-d8	8.222	136	227704	20.000	ng	0.00
39) Acenaphthene-d10	9.986	164	106885	20.000	ng	0.00
64) Phenanthrene-d10	11.480	188	210635	20.000	ng	0.00
76) Chrysene-d12	14.127	240	133521	20.000	ng	0.00
86) Perylene-d12	15.651	264	101274	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.545	112	42894	10.189	ng	0.00
7) Phenol-d6	6.551	99	50113	9.160	ng	0.00
23) Nitrobenzene-d5	7.492	82	27231	7.211	ng	-0.01
42) 2,4,6-Tribromophenol	10.774	330	10114	11.241	ng	0.00
45) 2-Fluorobiphenyl	9.298	172	48281	6.829	ng	0.00
79) Terphenyl-d14	13.063	244	57919	7.949	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.504	178	157745	14.510	ng	99
72) Anthracene	11.551	178	38573	3.597	ng	96
75) Fluoranthene	12.698	202	351587	30.438	ng	99
78) Pyrene	12.927	202	308585	27.394	ng	99
81) Benzo(a)anthracene	14.121	228	144625	16.337	ng	96
83) Chrysene	14.157	228	129581	15.175	ng	98
84) Bis(2-ethylhexyl)phtha...	14.098	149	11550	2.370	ng	# 93
87) Indeno(1,2,3-cd)pyrene	17.198	276	44151	6.565	ng	# 93
88) Benzo(b)fluoranthene	15.198	252	123115m	18.806	ng	
89) Benzo(k)fluoranthene	15.227	252	46620m	7.308	ng	
90) Benzo(a)pyrene	15.586	252	85544	16.255	ng	97
91) Dibenzo(a,h)anthracene	17.215	278	11965	2.182	ng	# 80
92) Benzo(g,h,i)perylene	17.668	276	42700	7.634	ng	# 92

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

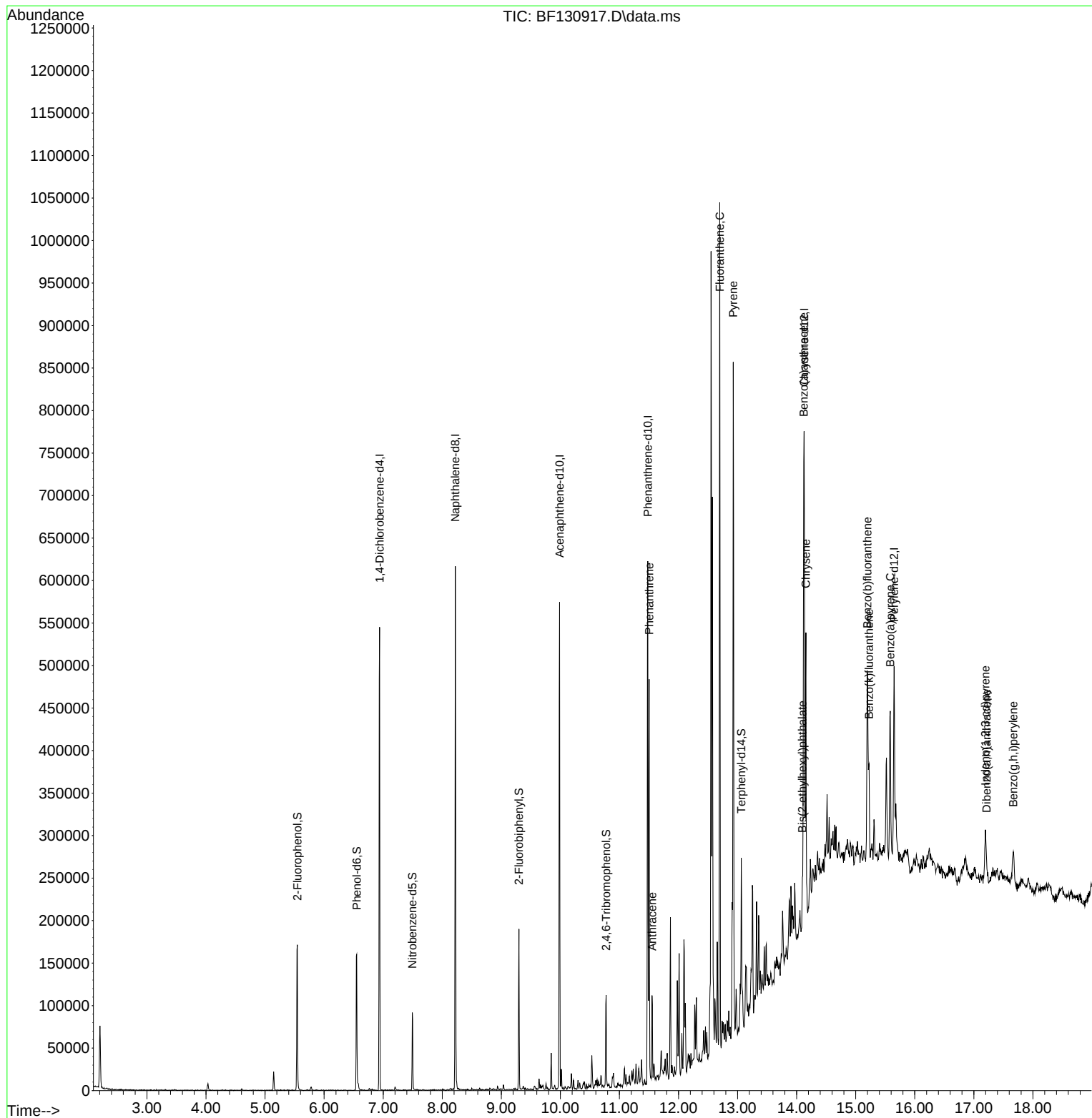
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110122\
Data File : BF130917.D
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Sample : N5359-01DL 10X
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ALS Vial : 17 Sample Multiplier: 1

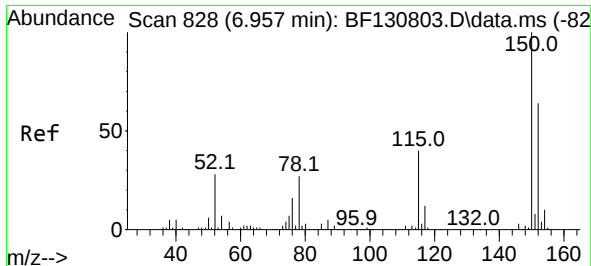
Instrument :
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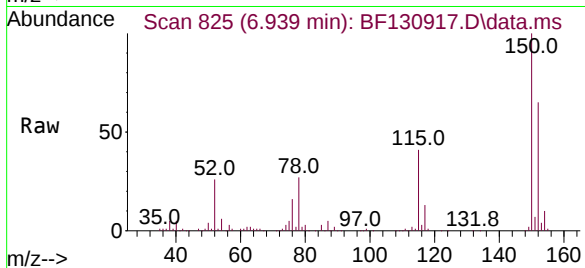
Quant Time: Nov 02 08:26:52 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 02 08:18:35 2022
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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.939 min Scan# 81
Delta R.T. 0.000 min
Lab File: BF130917.D
Acq: 02 Nov 2022 00:17

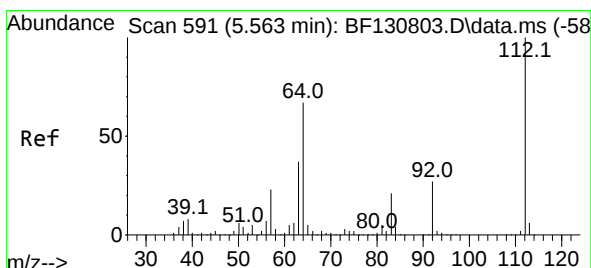
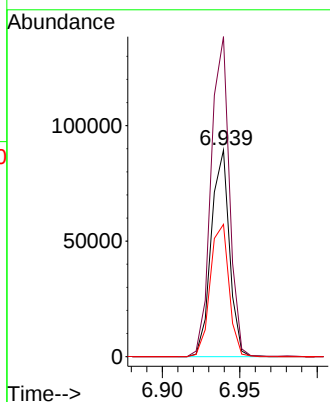
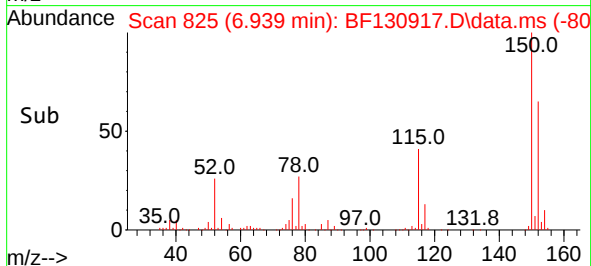
Instrument :
BNA_F
ClientSampleId :
HD-01-102822DL



Tgt Ion:152 Resp: 72981
Ion Ratio Lower Upper
152 100
150 154.9 124.1 186.1
115 64.1 50.1 75.1

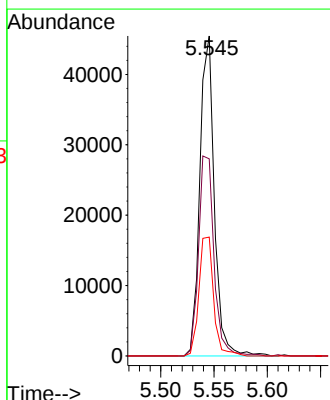
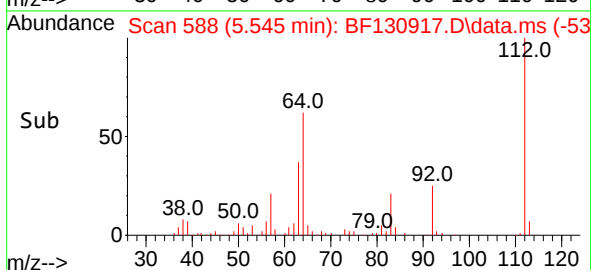
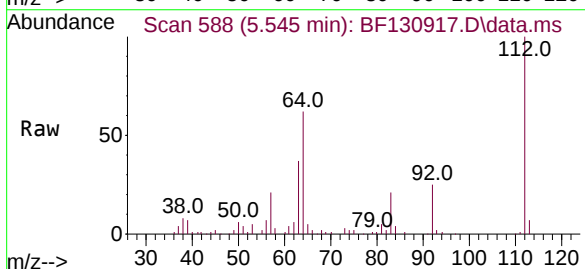
Manual Integrations
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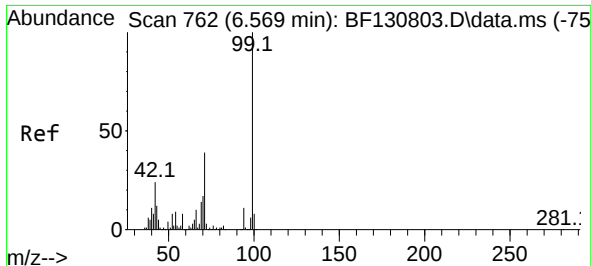
Reviewed By :Christian Giraldo 11/02/2022
Supervised By :Jagrut Upadhyay 11/02/2022



#5
2-Fluorophenol
Concen: 10.189 ng
RT: 5.545 min Scan# 588
Delta R.T. -0.006 min
Lab File: BF130917.D
Acq: 02 Nov 2022 00:17

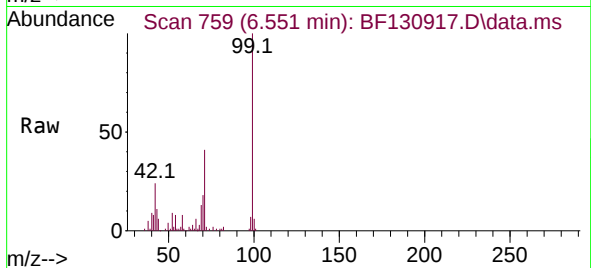
Tgt Ion:112 Resp: 42894
Ion Ratio Lower Upper
112 100
64 61.6 53.9 80.9
63 37.1 29.4 44.2





#7
Phenol-d6
Concen: 9.160 ng
RT: 6.551 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF130917.D
Acq: 02 Nov 2022 00:17

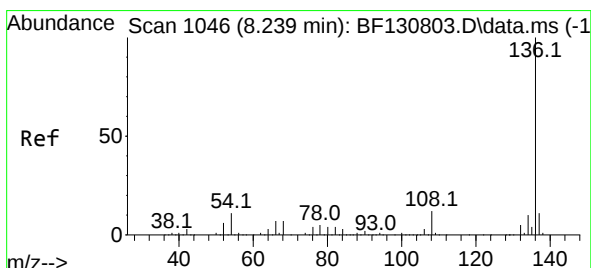
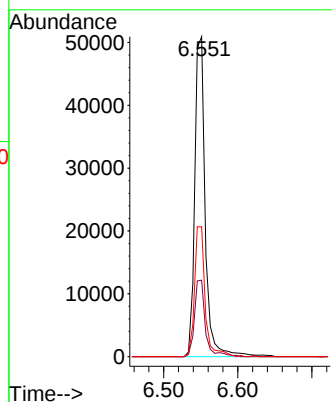
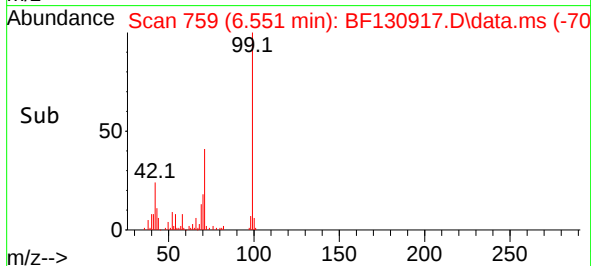
Instrument :
BNA_F
ClientSampleId :
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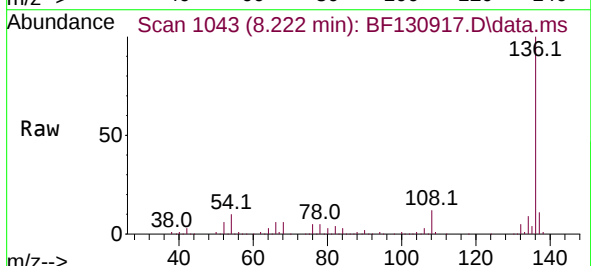
Tgt Ion: 99 Resp: 50113
Ion Ratio Lower Upper
99 100
42 23.9 18.8 28.2
71 40.6 31.4 47.0

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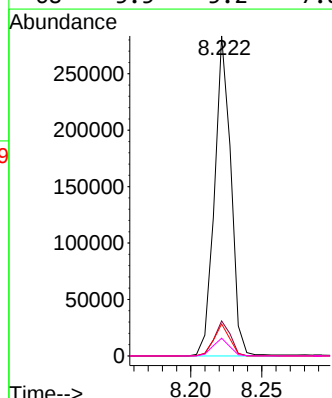
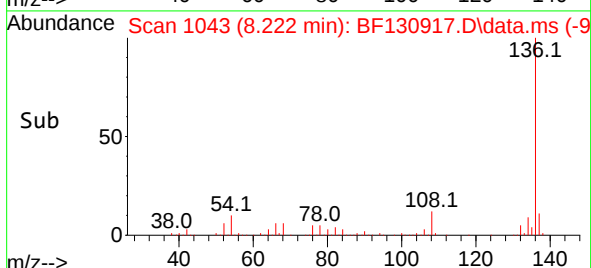
Reviewed By :Christian Giraldo 11/02/2022
Supervised By :Jagrut Upadhyay 11/02/2022

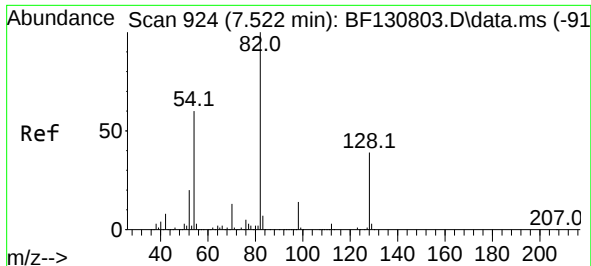


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.222 min Scan# 1043
Delta R.T. -0.000 min
Lab File: BF130917.D
Acq: 02 Nov 2022 00:17



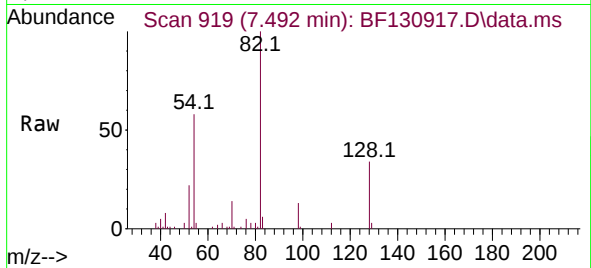
Tgt Ion:136 Resp: 227704
Ion Ratio Lower Upper
136 100
137 10.9 9.2 13.8
54 10.0 8.8 13.2
68 5.5 5.2 7.8





#23
Nitrobenzene-d5
Concen: 7.211 ng
RT: 7.492 min Scan# 91
Delta R.T. -0.012 min
Lab File: BF130917.D
Acq: 02 Nov 2022 00:17

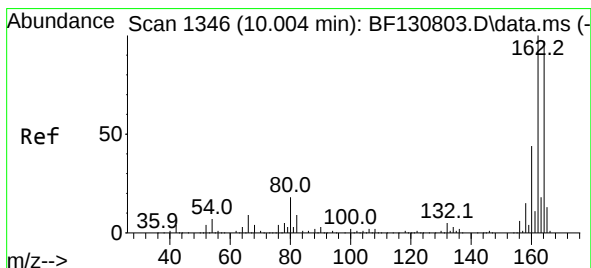
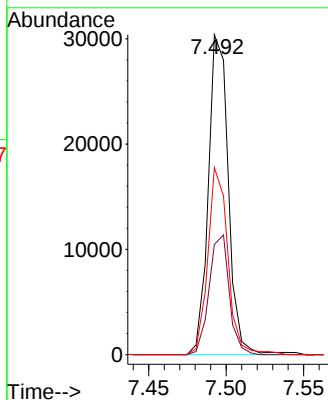
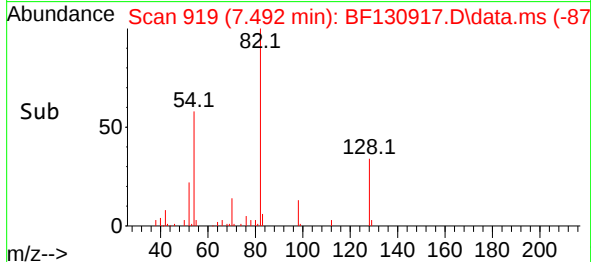
Instrument :
BNA_F
ClientSampleId :
HD-01-102822DL



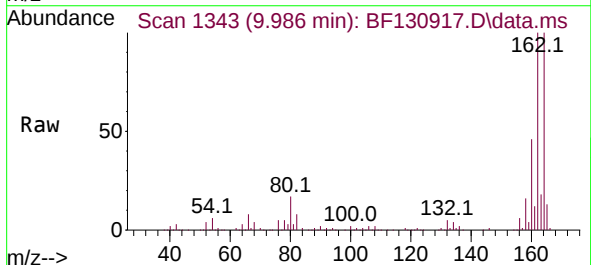
Tgt Ion: 82 Resp: 2723
Ion Ratio Lower Upper
82 100
128 34.4 31.2 46.8
54 58.4 48.0 72.0

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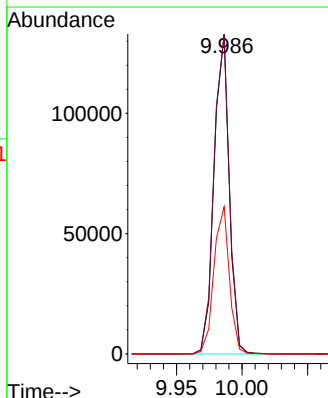
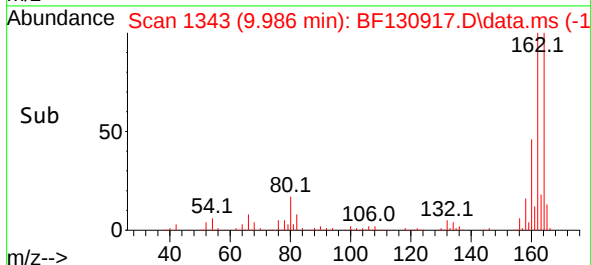
Reviewed By :Christian Giraldo 11/02/2022
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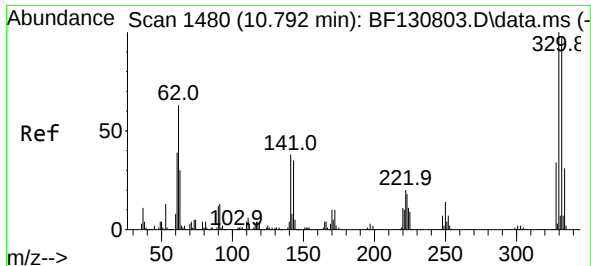


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.986 min Scan# 1343
Delta R.T. -0.000 min
Lab File: BF130917.D
Acq: 02 Nov 2022 00:17



Tgt Ion:164 Resp: 106885
Ion Ratio Lower Upper
164 100
162 100.4 82.2 123.2
160 46.1 36.6 54.8





#42

2,4,6-Tribromophenol

Concen: 11.241 ng

RT: 10.774 min Scan# 14

Delta R.T. -0.006 min

Lab File: BF130917.D

Acq: 02 Nov 2022 00:17

Instrument :

BNA_F

ClientSampleId :

HD-01-102822DL

Tgt Ion: 330 Resp: 10114

Ion Ratio Lower Upper

330 100

332 92.6 76.2 114.4

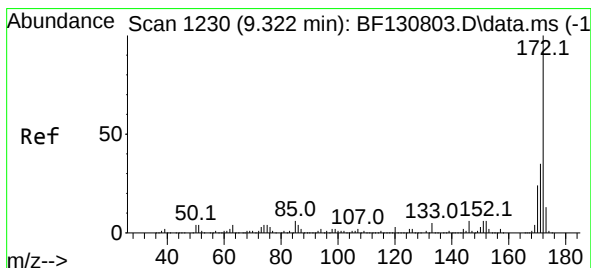
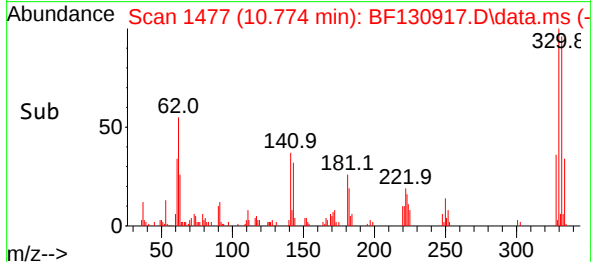
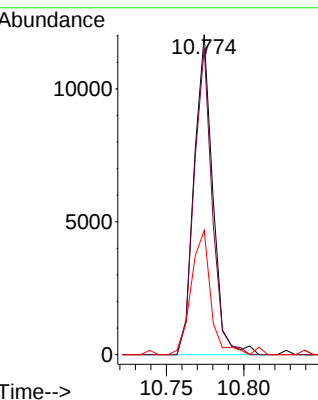
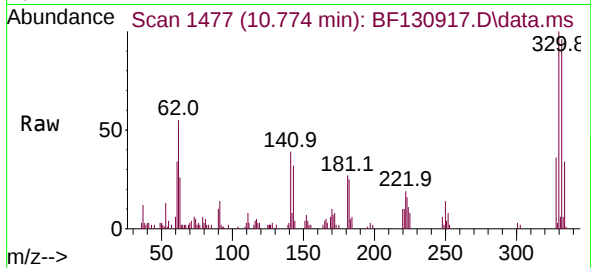
141 40.6 31.4 47.0

Manual Integrations

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#45

2-Fluorobiphenyl

Concen: 6.829 ng

RT: 9.298 min Scan# 1226

Delta R.T. -0.006 min

Lab File: BF130917.D

Acq: 02 Nov 2022 00:17

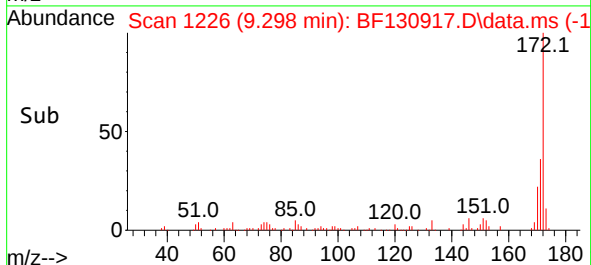
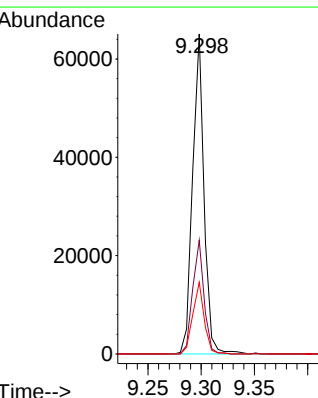
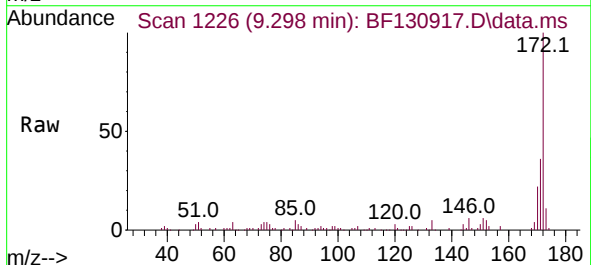
Tgt Ion: 172 Resp: 48281

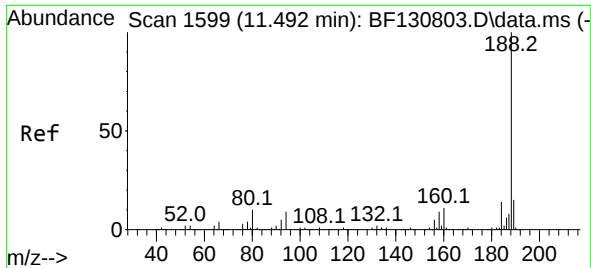
Ion Ratio Lower Upper

172 100

171 35.5 28.1 42.1

170 22.4 19.0 28.4





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.480 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF130917.D
Acq: 02 Nov 2022 00:17

Instrument :

BNA_F

ClientSampleId :

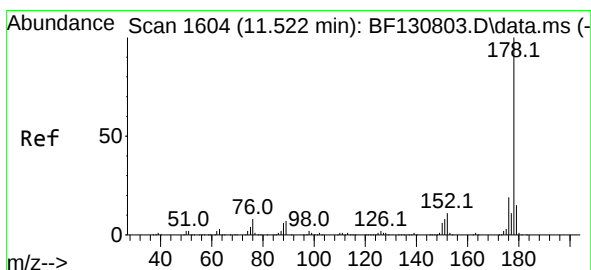
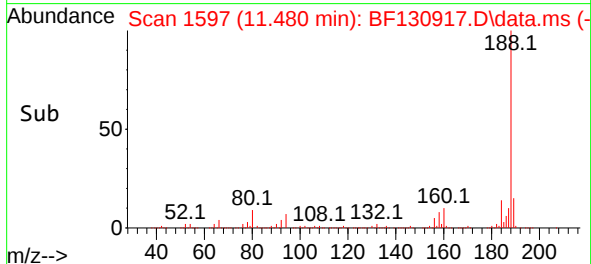
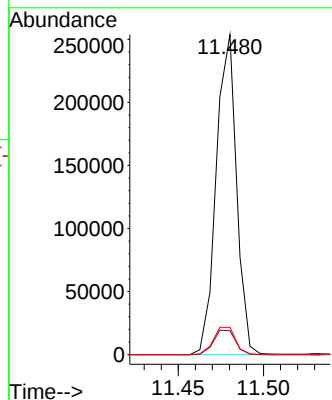
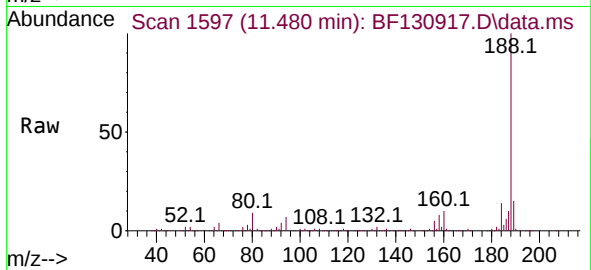
HD-01-102822DL

Tgt Ion:188 Resp: 210635
Ion Ratio Lower Upper
188 100
94 7.5 7.4 11.2
80 8.5 8.0 12.0

Manual Integrations

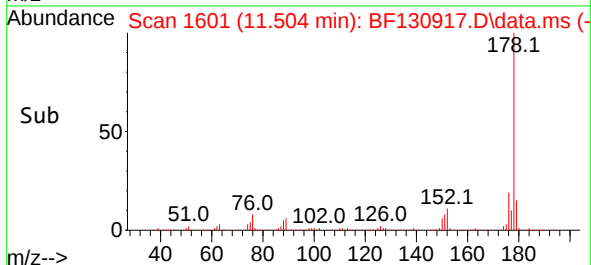
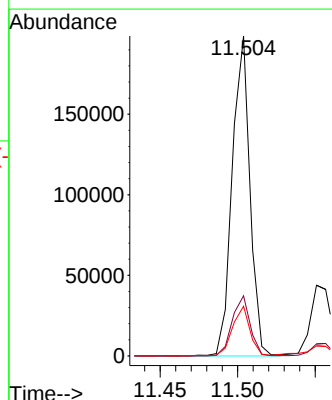
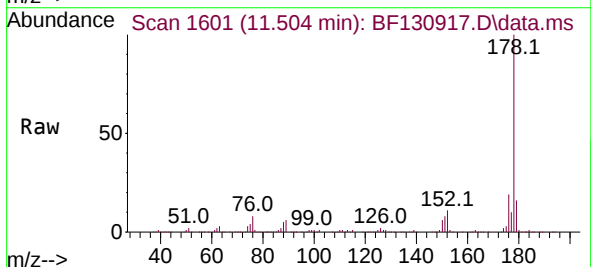
APPROVED

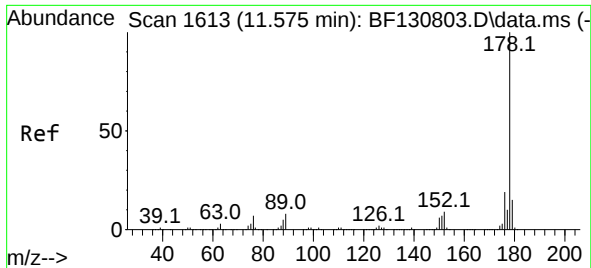
Reviewed By :Christian Giraldo 11/02/2022
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#71
Phenanthrene
Concen: 14.510 ng
RT: 11.504 min Scan# 1601
Delta R.T. -0.000 min
Lab File: BF130917.D
Acq: 02 Nov 2022 00:17

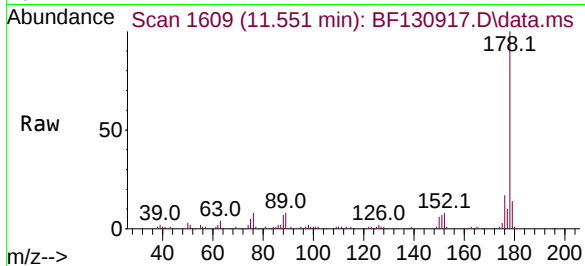
Tgt Ion:178 Resp: 157745
Ion Ratio Lower Upper
178 100
176 18.8 15.5 23.3
179 15.5 12.2 18.2





#72
 Anthracene
 Concen: 3.597 ng
 RT: 11.551 min Scan# 1609
 Delta R.T. -0.006 min
 Lab File: BF130917.D
 Acq: 02 Nov 2022 00:17

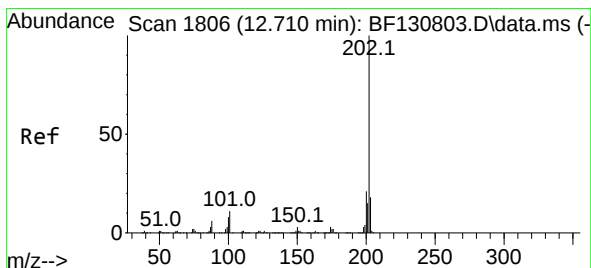
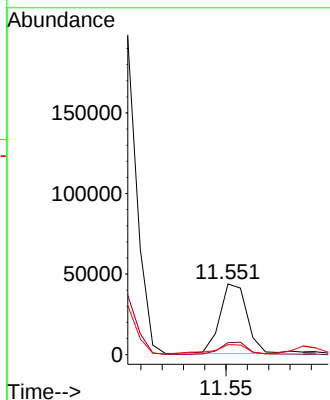
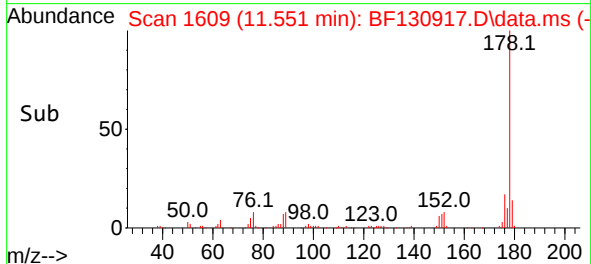
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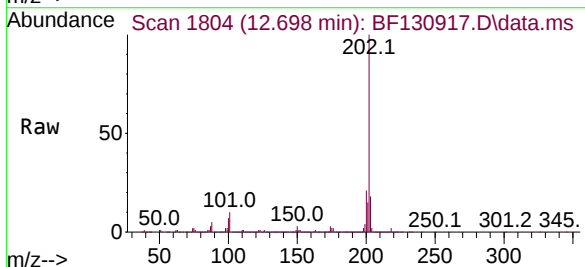
Tgt Ion:178 Resp: 38573
 Ion Ratio Lower Upper
 178 100
 176 17.0 15.4 23.0
 179 14.3 12.2 18.4

Manual Integrations
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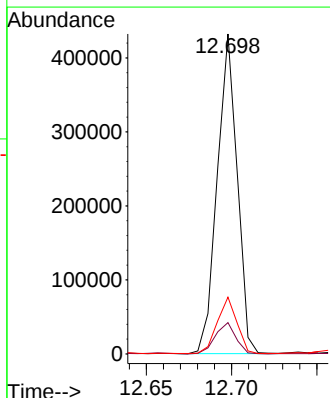
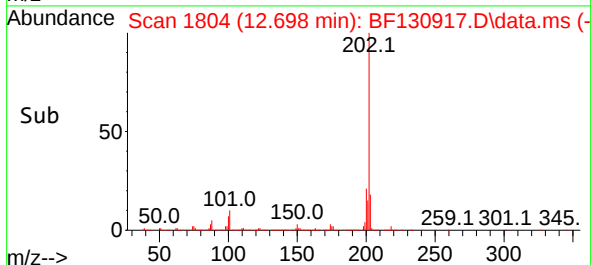
Reviewed By :Christian Giraldo 11/02/2022
 Supervised By :Jagrut Upadhyay 11/02/2022

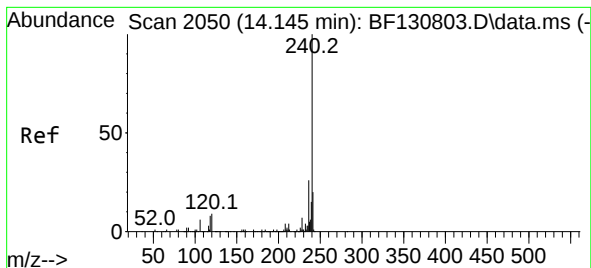


#75
 Fluoranthene
 Concen: 30.438 ng
 RT: 12.698 min Scan# 1804
 Delta R.T. -0.000 min
 Lab File: BF130917.D
 Acq: 02 Nov 2022 00:17



Tgt Ion:202 Resp: 351587
 Ion Ratio Lower Upper
 202 100
 101 9.8 0.0 30.9
 203 17.7 0.0 37.7





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.127 min Scan# 2050

Delta R.T. -0.000 min

Lab File: BF130917.D

Acq: 02 Nov 2022 00:17

Instrument :

BNA_F

ClientSampleId :

HD-01-102822DL

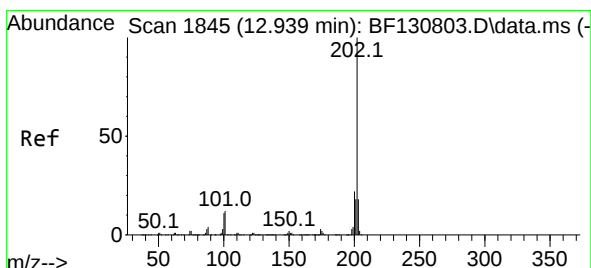
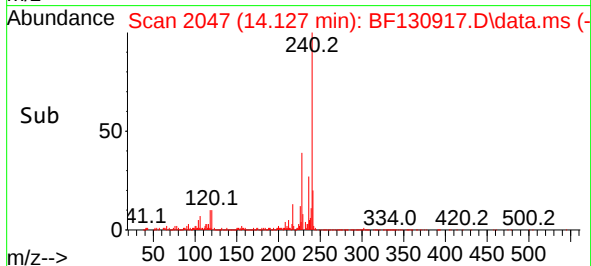
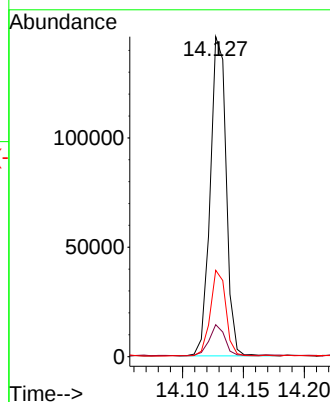
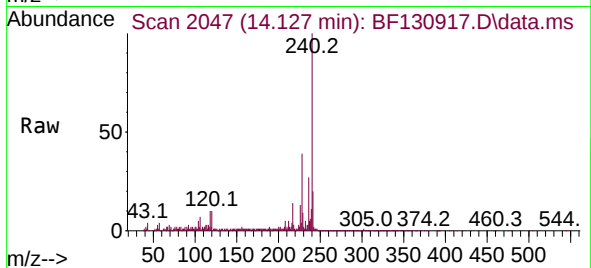
Tgt Ion:240 Resp: 13352

Ion	Ratio	Lower	Upper
240	100		
120	10.0	7.0	10.4
236	27.0	20.5	30.7

Manual Integrations

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#78

Pyrene

Concen: 27.394 ng

RT: 12.927 min Scan# 1843

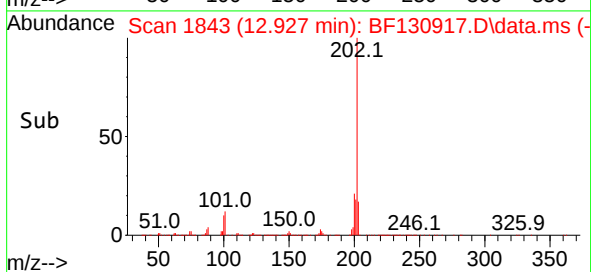
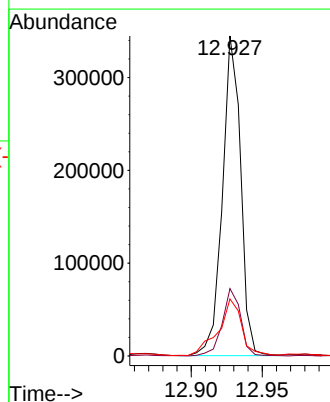
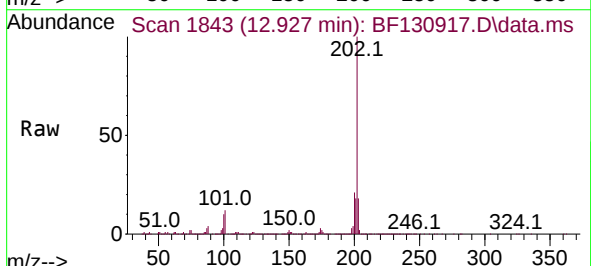
Delta R.T. -0.000 min

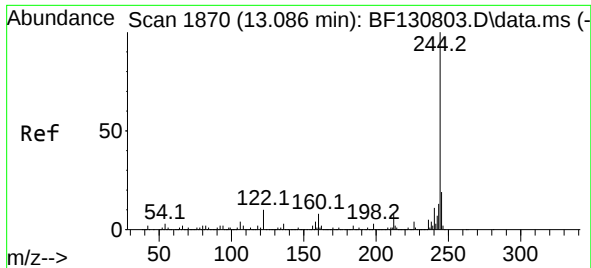
Lab File: BF130917.D

Acq: 02 Nov 2022 00:17

Tgt Ion:202 Resp: 308585

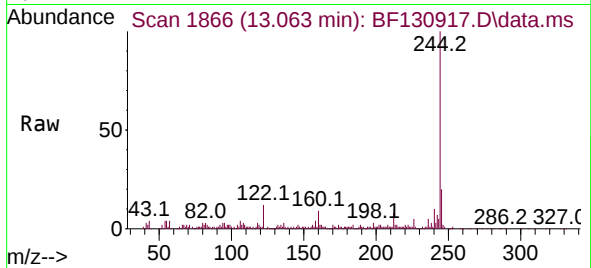
Ion	Ratio	Lower	Upper
202	100		
200	21.0	17.2	25.8
203	17.8	14.5	21.7





#79
Terphenyl-d14
Concen: 7.949 ng
RT: 13.063 min Scan# 1870
Delta R.T. -0.006 min
Lab File: BF130917.D
Acq: 02 Nov 2022 00:17

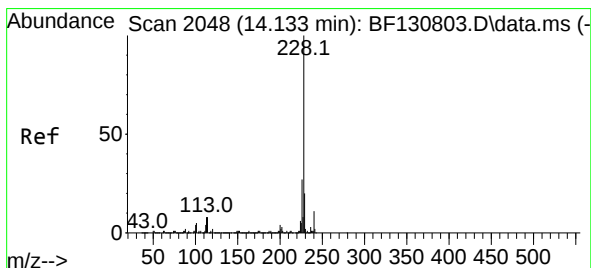
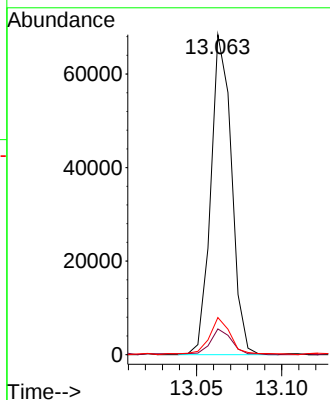
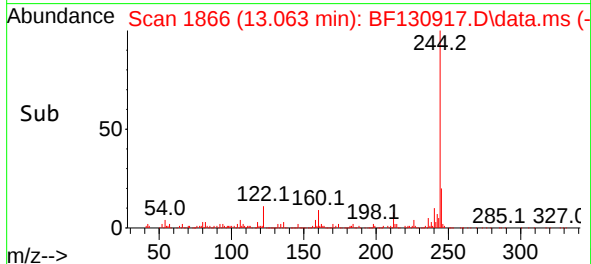
Instrument :
BNA_F
ClientSampleId :
HD-01-102822DL



Tgt Ion:244 Resp: 57919
Ion Ratio Lower Upper
244 100
212 8.0 6.2 9.2
122 11.6 7.9 11.9

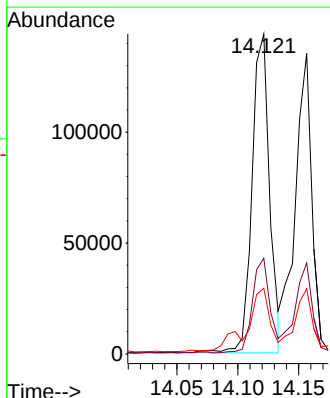
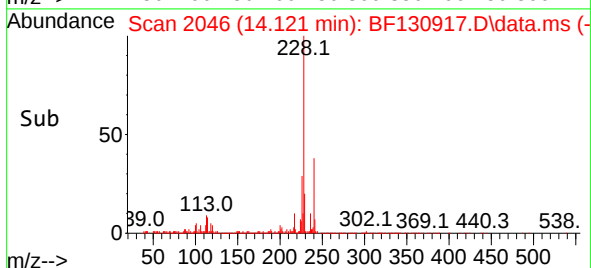
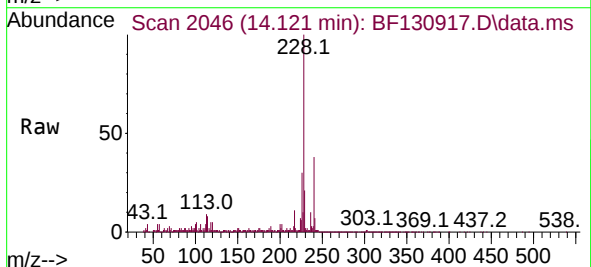
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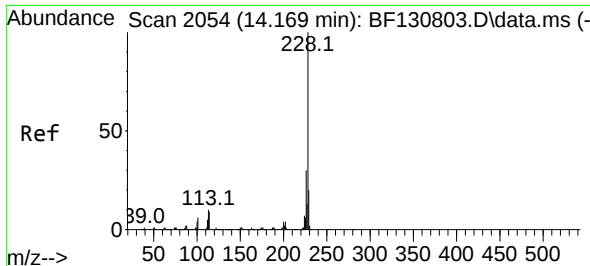
Reviewed By :Christian Giraldo 11/02/2022
Supervised By :Jagrut Upadhyay 11/02/2022



#81
Benzo(a)anthracene
Concen: 16.337 ng
RT: 14.121 min Scan# 2046
Delta R.T. 0.006 min
Lab File: BF130917.D
Acq: 02 Nov 2022 00:17

Tgt Ion:228 Resp: 144625
Ion Ratio Lower Upper
228 100
226 29.9 21.4 32.2
229 20.5 15.8 23.6





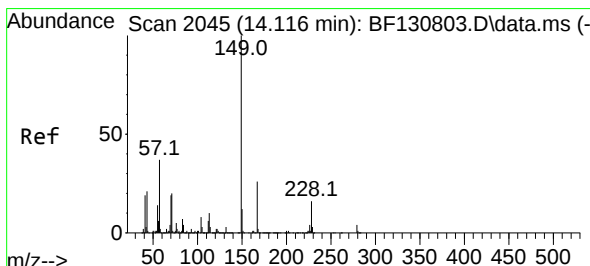
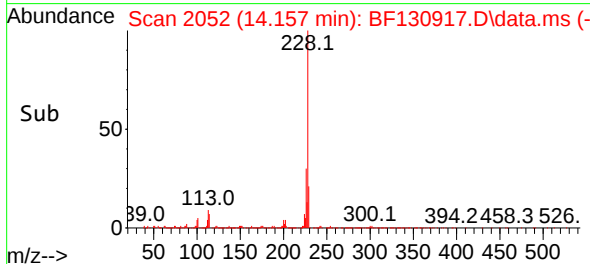
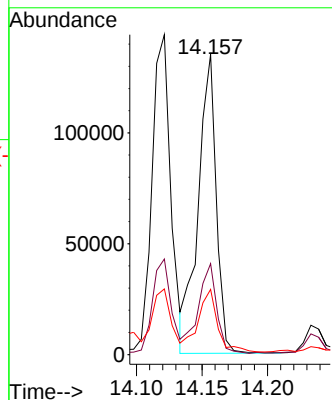
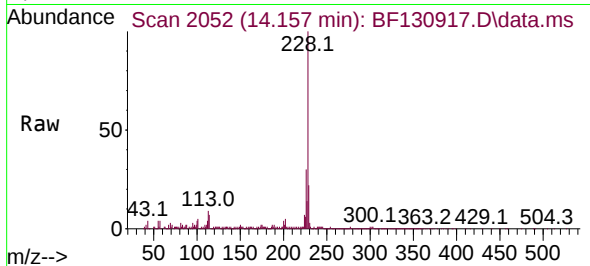
#83
Chrysene
Concen: 15.175 ng
RT: 14.157 min Scan# 2052
Delta R.T. -0.000 min
Lab File: BF130917.D
Acq: 02 Nov 2022 00:17

Instrument :
BNA_F
ClientSampleId :
HD-01-102822DL

Tgt Ion:228 Resp: 12958
Ion Ratio Lower Upper
228 100
226 30.3 23.9 35.9
229 21.7 15.8 23.6

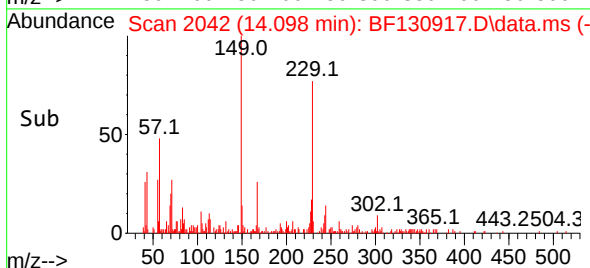
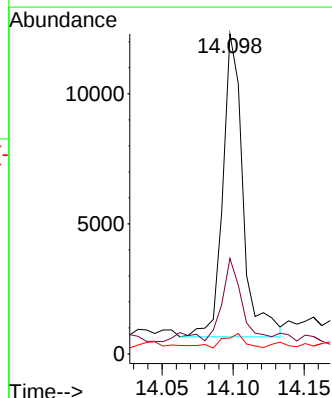
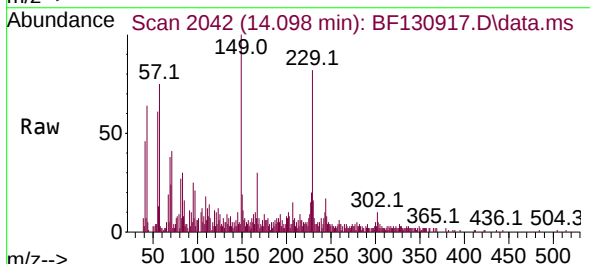
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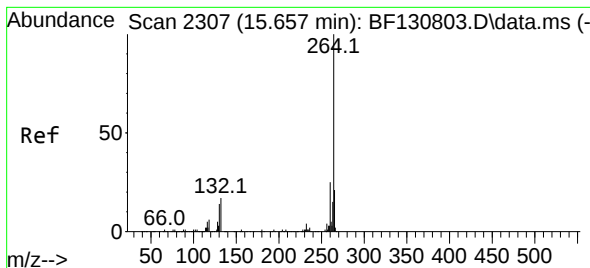
Reviewed By :Christian Giraldo 11/02/2022
Supervised By :Jagrut Upadhyay 11/02/2022



#84
Bis(2-ethylhexyl)phthalate
Concen: 2.370 ng
RT: 14.098 min Scan# 2042
Delta R.T. -0.000 min
Lab File: BF130917.D
Acq: 02 Nov 2022 00:17

Tgt Ion:149 Resp: 11550
Ion Ratio Lower Upper
149 100
167 29.8 21.0 31.4
279 4.9 3.0 4.6





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.651 min Scan# 2307

Delta R.T. 0.006 min

Lab File: BF130917.D

Acq: 02 Nov 2022 00:17

Instrument :

BNA_F

ClientSampleId :

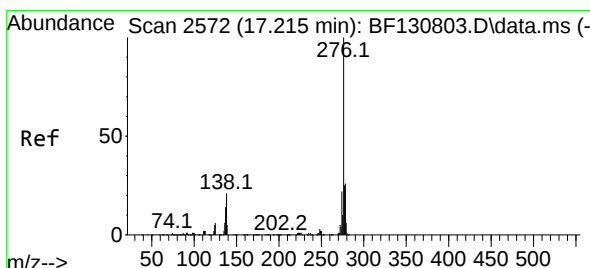
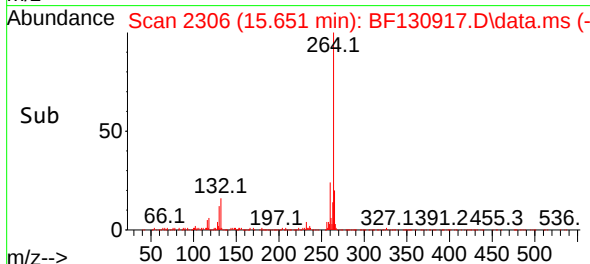
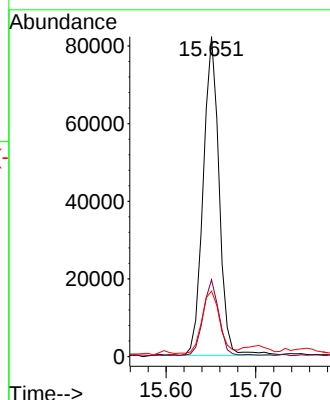
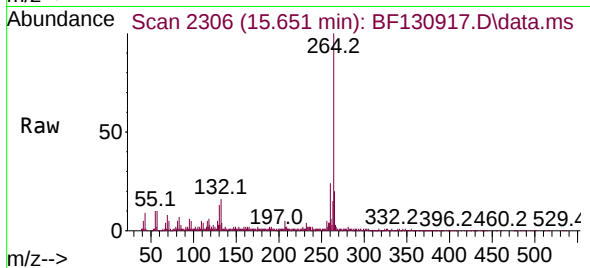
HD-01-102822DL

Tgt Ion:264	Resp: 101274
Ion Ratio	Lower Upper
264 100	
260 24.0	19.9 29.9
265 20.5	17.0 25.6

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Reviewed By :Christian Giraldo 11/02/2022
Supervised By :Jagrut Upadhyay 11/02/2022



#87

Indeno(1,2,3-cd)pyrene

Concen: 6.565 ng

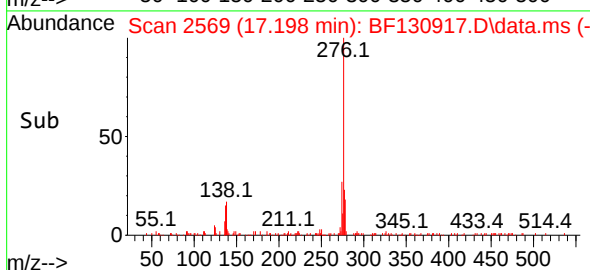
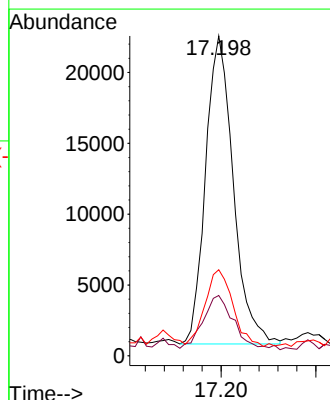
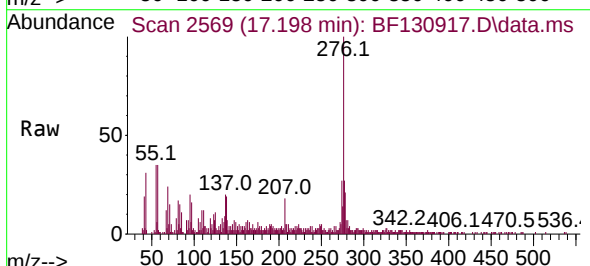
RT: 17.198 min Scan# 2569

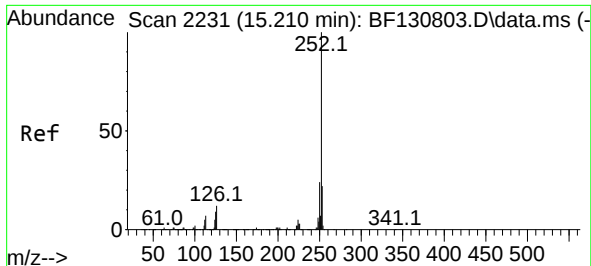
Delta R.T. 0.006 min

Lab File: BF130917.D

Acq: 02 Nov 2022 00:17

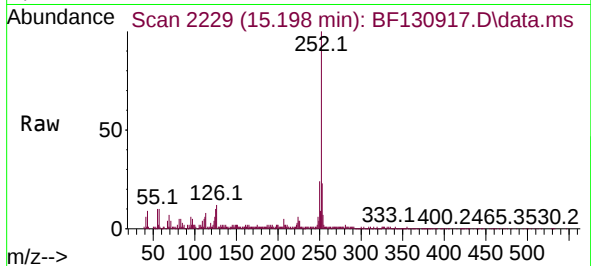
Tgt Ion:276	Resp: 44151
Ion Ratio	Lower Upper
276 100	
138 18.6	19.1 28.7
277 26.4	20.1 30.1





#88
Benzo(b)fluoranthene
Concen: 18.806 ng m
RT: 15.198 min Scan# 2229
Delta R.T. 0.006 min
Lab File: BF130917.D
Acq: 02 Nov 2022 00:17

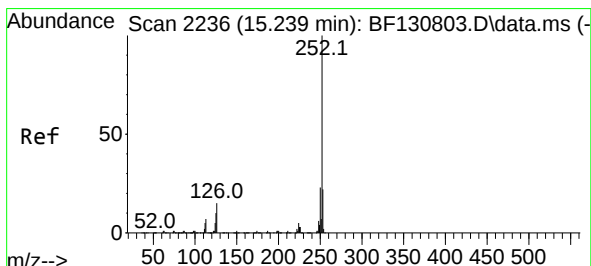
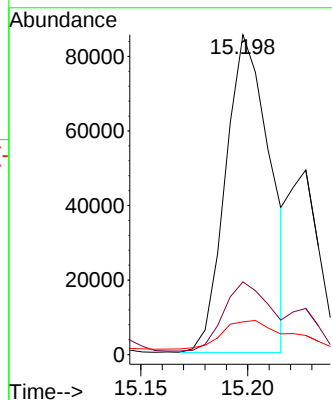
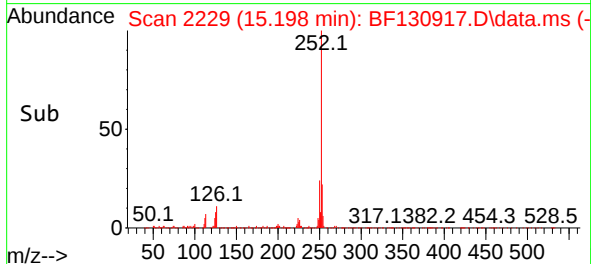
Instrument :
BNA_F
ClientSampleId :
HD-01-102822DL



Tgt Ion:252 Resp: 123115
Ion Ratio Lower Upper
252 100
253 22.7 17.5 26.3
125 10.2 7.0 10.4

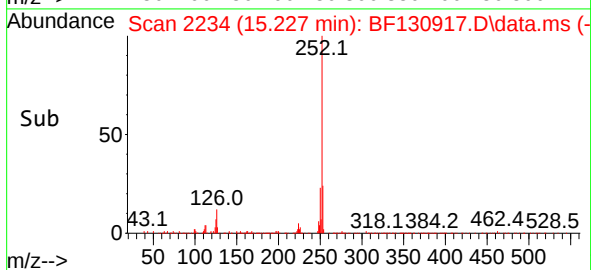
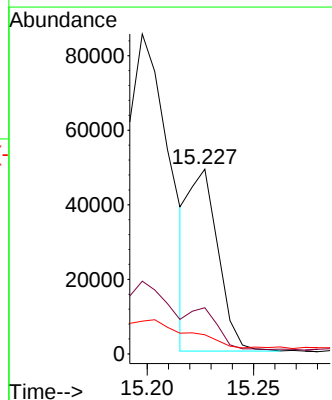
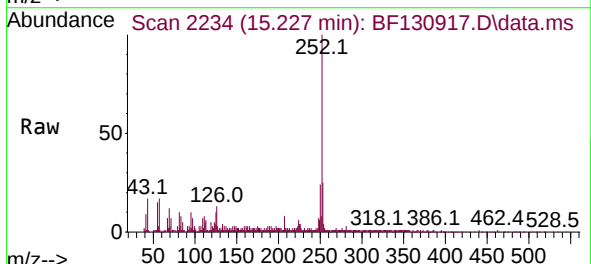
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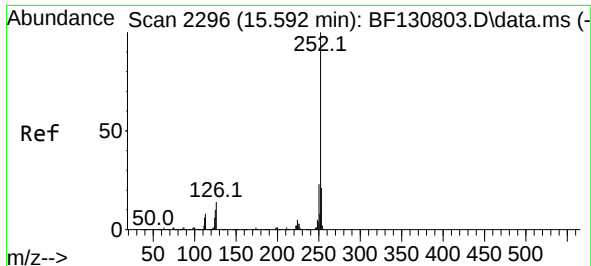
Reviewed By :Christian Giraldo 11/02/2022
Supervised By :Jagrut Upadhyay 11/02/2022



#89
Benzo(k)fluoranthene
Concen: 7.308 ng m
RT: 15.227 min Scan# 2234
Delta R.T. -0.000 min
Lab File: BF130917.D
Acq: 02 Nov 2022 00:17

Tgt Ion:252 Resp: 46620
Ion Ratio Lower Upper
252 100
253 25.0 17.5 26.3
125 10.3 8.0 12.0





#90
Benzo(a)pyrene
Concen: 16.255 ng
RT: 15.586 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF130917.D
Acq: 02 Nov 2022 00:17

Instrument :

BNA_F

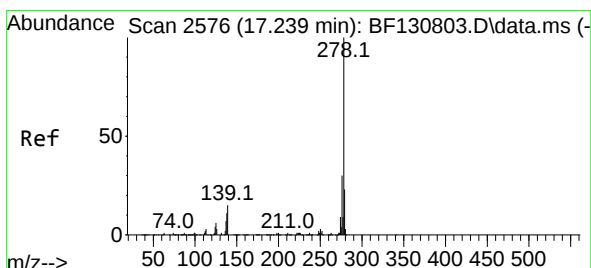
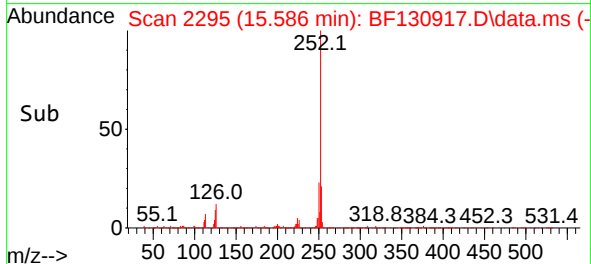
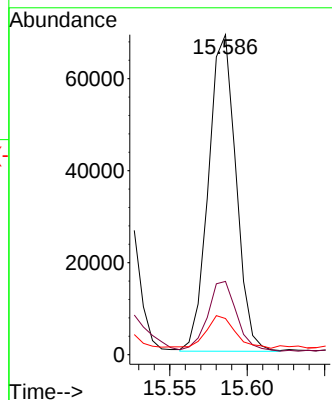
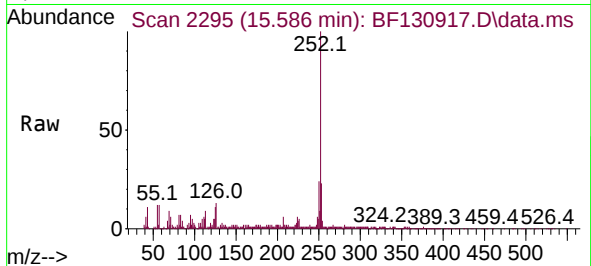
ClientSampleId :

HD-01-102822DL

Tgt Ion:252 Resp: 85544
Ion Ratio Lower Upper
252 100
253 22.9 16.8 25.2
125 11.3 8.3 12.5

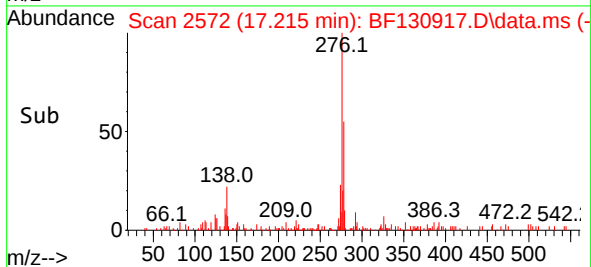
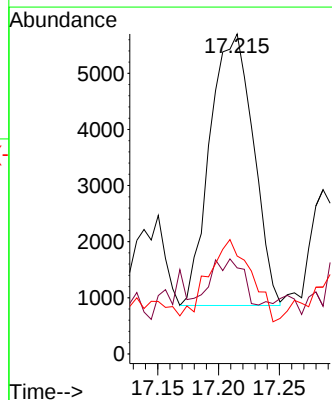
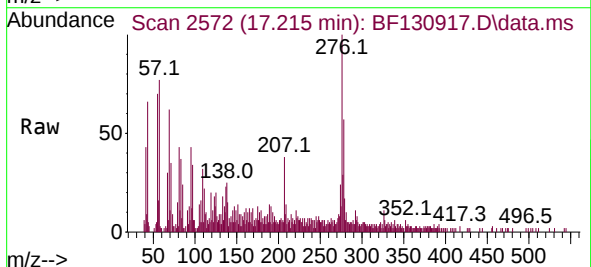
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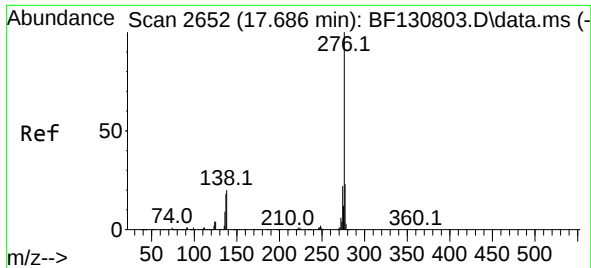
Reviewed By :Christian Giraldo 11/02/2022
Supervised By :Jagrut Upadhyay 11/02/2022



#91
Dibenzo(a,h)anthracene
Concen: 2.182 ng
RT: 17.215 min Scan# 2572
Delta R.T. -0.000 min
Lab File: BF130917.D
Acq: 02 Nov 2022 00:17

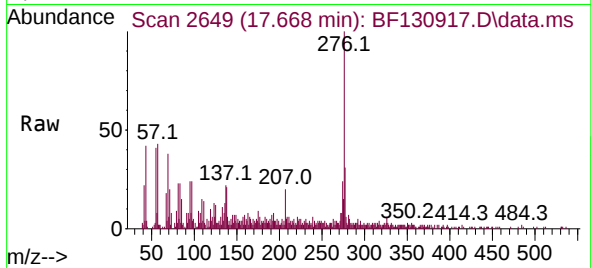
Tgt Ion:278 Resp: 11965
Ion Ratio Lower Upper
278 100
139 26.9 11.9 17.9#
279 30.6 18.6 28.0#





#92
 Benzo(g,h,i)perylene
 Concen: 7.634 ng
 RT: 17.668 min Scan# 20
 Delta R.T. -0.000 min
 Lab File: BF130917.D
 Acq: 02 Nov 2022 00:17

Instrument :
 BNA_F
 ClientSampleId :
 HD-01-102822DL



Tgt Ion: 276 Resp: 42700

Ion	Ratio	Lower	Upper
276	100		
277	30.5	18.8	28.2
138	20.5	16.3	24.5

Manual Integrations
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Reviewed By : Christian Giraldo 11/02/2022
 Supervised By : Jagrut Upadhyay 11/02/2022

