

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF010523\
 Data File : BF131929.D
 Acq On : 05 Jan 2023 22:44
 Operator : CG\JU
 Sample : 01030-01
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-5

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 01/06/2023
 Supervised By : Jagrut Upadhyay 01/06/2023

Quant Time: Jan 06 03:15:19 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122422.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 06 03:02:38 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.798	152	66201	20.000	ng	0.00
21) Naphthalene-d8	8.092	136	236242	20.000	ng	0.00
39) Acenaphthene-d10	9.851	164	136746	20.000	ng	0.00
64) Phenanthrene-d10	11.345	188	241534	20.000	ng	0.00
76) Chrysene-d12	14.004	240	127342	20.000	ng	0.00
86) Perylene-d12	15.480	264	152045	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.410	112	397193	99.430	ng	0.00
7) Phenol-d6	6.439	99	524000	99.842	ng	0.00
23) Nitrobenzene-d5	7.369	82	370821	62.670	ng	-0.01
42) 2,4,6-Tribromophenol	10.651	330	138609	93.292	ng	0.00
45) 2-Fluorobiphenyl	9.175	172	638914	63.998	ng	0.00
79) Terphenyl-d14	12.939	244	540027	71.733	ng	0.00
Target Compounds						Qvalue
49) Acenaphthylene	9.716	152	25932	2.011	ng	100
71) Phenanthrene	11.369	178	251384	18.926	ng	100
72) Anthracene	11.421	178	49489	3.809	ng	99
75) Fluoranthene	12.568	202	485219	31.363	ng	99
78) Pyrene	12.798	202	406589	38.094	ng	99
81) Benzo(a)anthracene	13.992	228	182436	19.787	ng	97
83) Chrysene	14.027	228	146967	16.963	ng	98
87) Indeno(1,2,3-cd)pyrene	16.945	276	95842	9.922	ng	97
88) Benzo(b)fluoranthene	15.051	252	227655m	20.420	ng	
89) Benzo(k)fluoranthene	15.074	252	59234m	5.499	ng	
90) Benzo(a)pyrene	15.415	252	161626	18.726	ng	96
91) Dibenzo(a,h)anthracene	16.956	278	27702m	3.501	ng	
92) Benzo(g,h,i)perylene	17.392	276	83353	13.180	ng	94

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

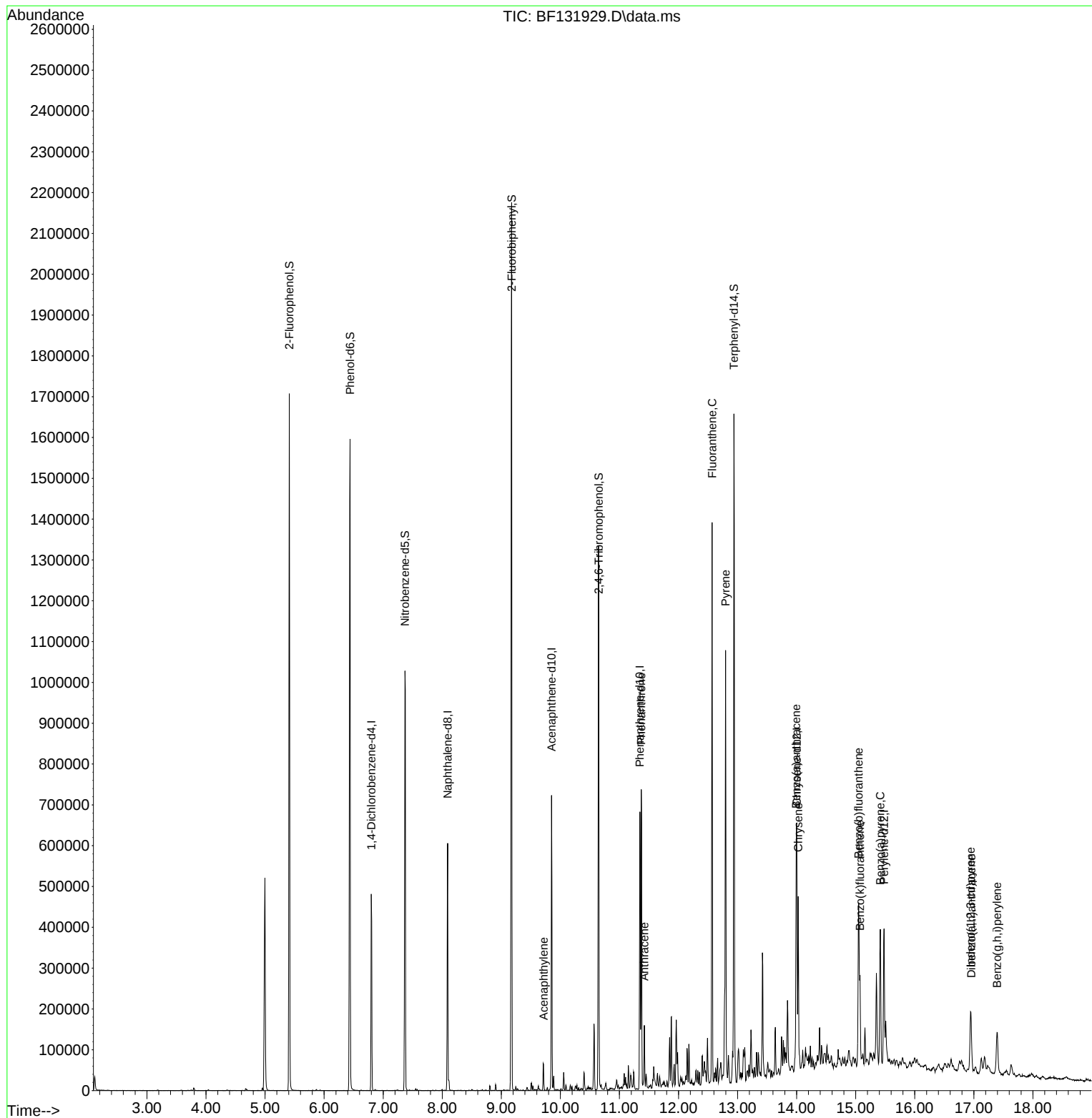
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF010523\
Data File : BF131929.D
Acq On : 05 Jan 2023 22:44
Operator : CG\JU
Sample : 01030-01
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ALS Vial : 17 Sample Multiplier: 1

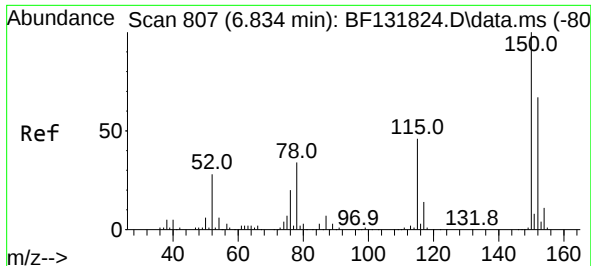
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Quant Time: Jan 06 03:15:19 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122422.M
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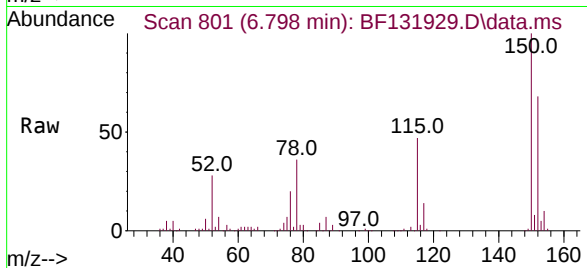
Reviewed By :Christian Giraldo 01/06/2023
Supervised By :Jagrut Upadhyay 01/06/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.798 min Scan# 807
Delta R.T. -0.006 min
Lab File: BF131929.D
Acq: 05 Jan 2023 22:44

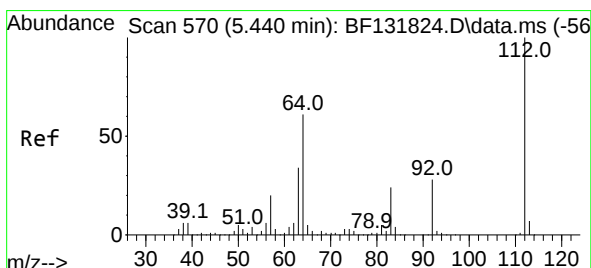
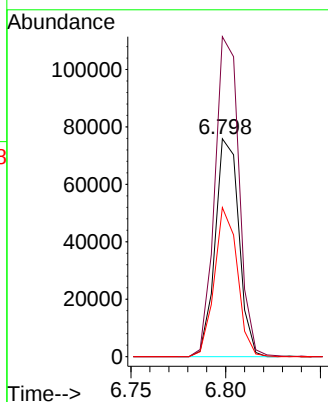
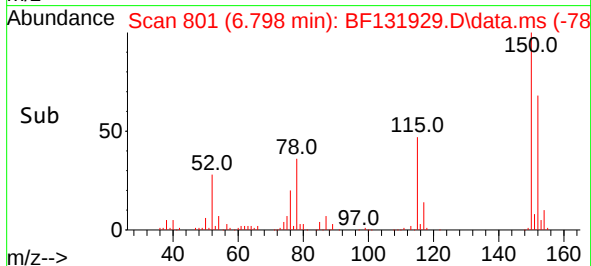
Instrument :
BNA_F
ClientSampleId :
TP-5



Tgt Ion:152 Resp: 66201
Ion Ratio Lower Upper
152 100
150 146.9 120.0 180.0
115 68.5 55.1 82.7

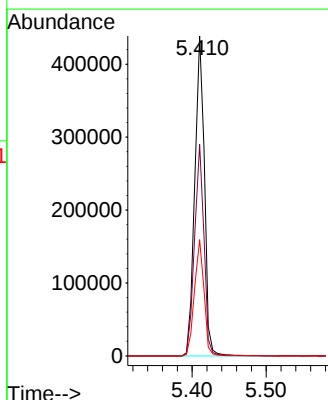
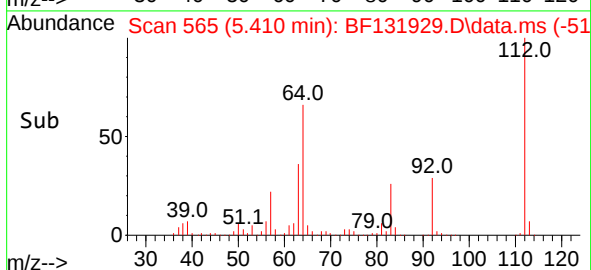
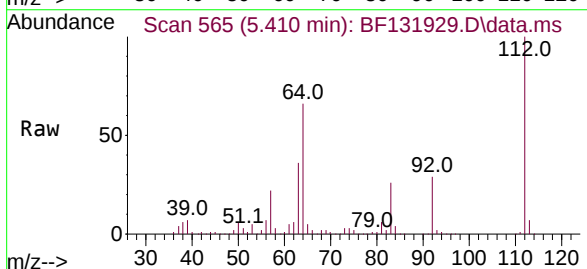
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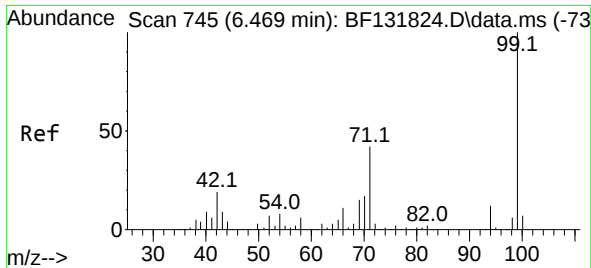
Reviewed By :Christian Giraldo 01/06/2023
Supervised By :Jagrut Upadhyay 01/06/2023



#5
2-Fluorophenol
Concen: 99.430 ng
RT: 5.410 min Scan# 565
Delta R.T. 0.006 min
Lab File: BF131929.D
Acq: 05 Jan 2023 22:44

Tgt Ion:112 Resp: 397193
Ion Ratio Lower Upper
112 100
64 66.1 49.2 73.8
63 36.3 27.5 41.3





#7

Phenol-d6

Concen: 99.842 ng

RT: 6.439 min Scan# 74

Delta R.T. 0.000 min

Lab File: BF131929.D

Acq: 05 Jan 2023 22:44

Instrument :

BNA_F

ClientSampleId :

TP-5

Tgt Ion: 99 Resp: 524000

Ion Ratio Lower Upper

99 100

42 18.9 15.3 22.9

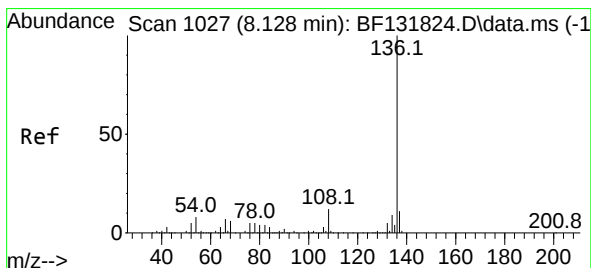
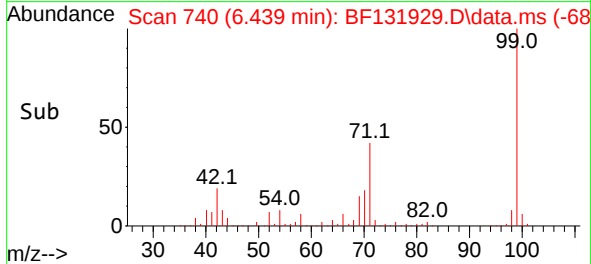
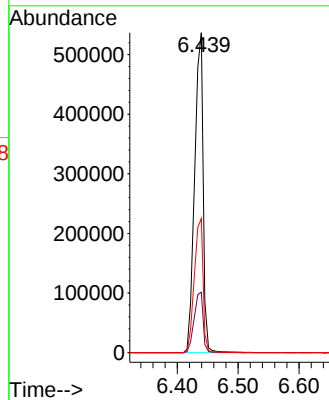
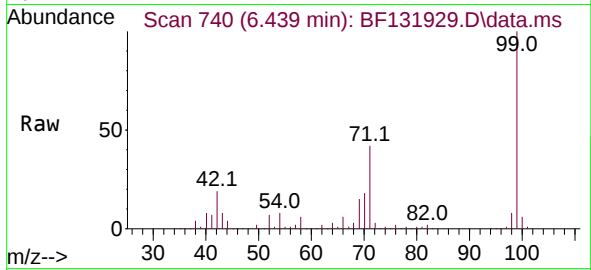
71 41.9 33.5 50.3

Manual Integrations

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Supervised By :Jagrut Upadhyay 01/06/2023



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.092 min Scan# 1021

Delta R.T. -0.006 min

Lab File: BF131929.D

Acq: 05 Jan 2023 22:44

Tgt Ion:136 Resp: 236242

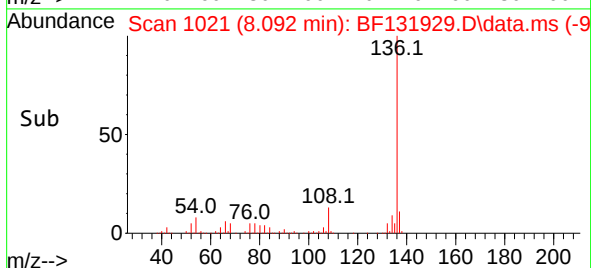
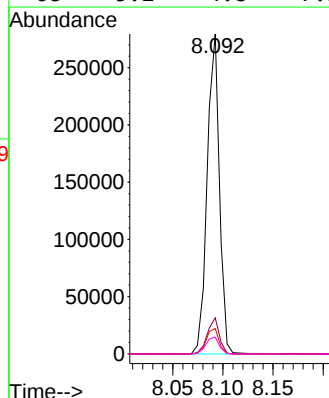
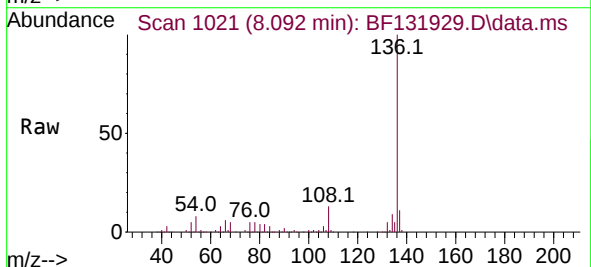
Ion Ratio Lower Upper

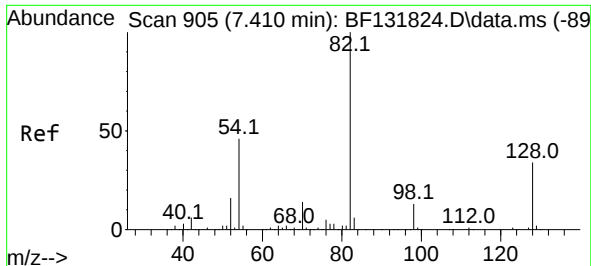
136 100

137 11.3 8.6 12.8

54 7.9 6.7 10.1

68 5.2 4.8 7.2





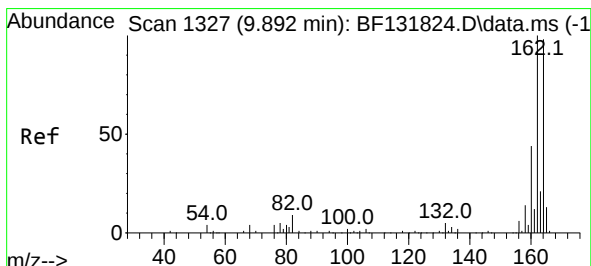
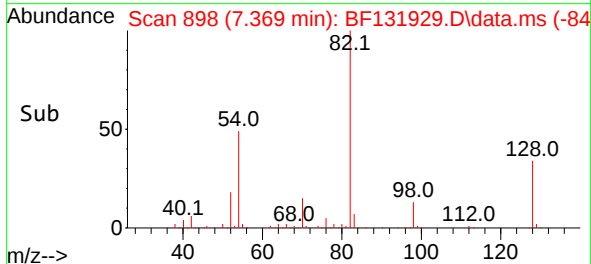
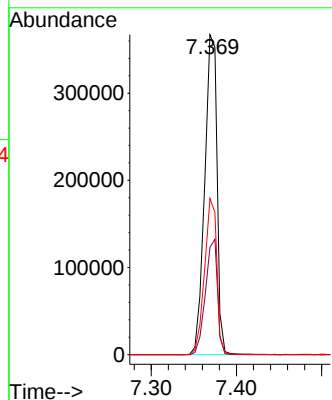
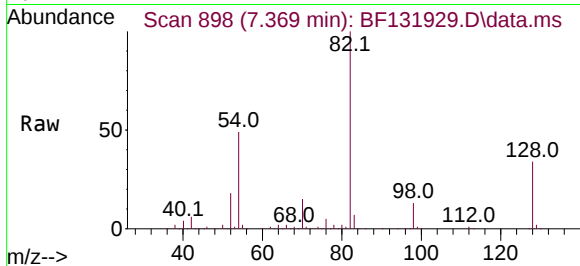
#23
Nitrobenzene-d5
Concen: 62.670 ng
RT: 7.369 min Scan# 89
Delta R.T. -0.012 min
Lab File: BF131929.D
Acq: 05 Jan 2023 22:44

Instrument :
BNA_F
ClientSampleId :
TP-5

Tgt Ion: 82 Resp: 370821
Ion Ratio Lower Upper
82 100
128 33.5 27.1 40.7
54 48.8 37.0 55.6

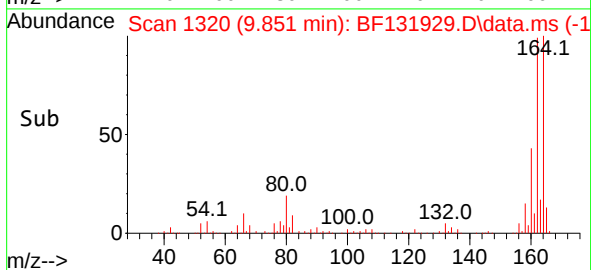
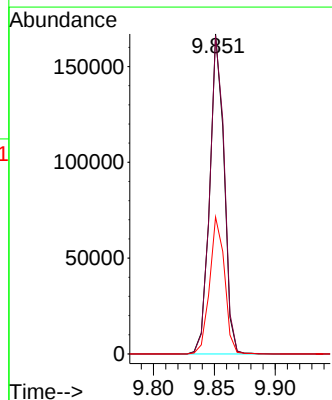
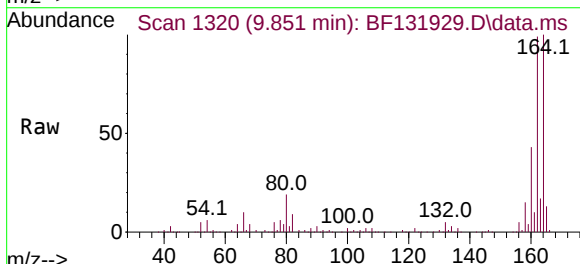
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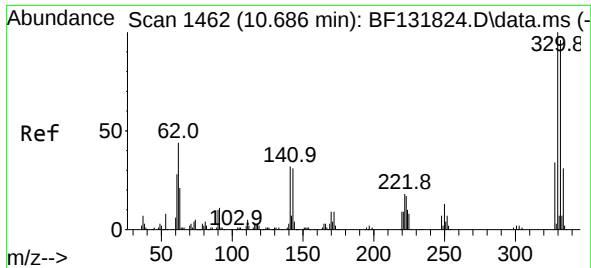
Reviewed By :Christian Giraldo 01/06/2023
Supervised By :Jagrut Upadhyay 01/06/2023



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.851 min Scan# 1320
Delta R.T. -0.006 min
Lab File: BF131929.D
Acq: 05 Jan 2023 22:44

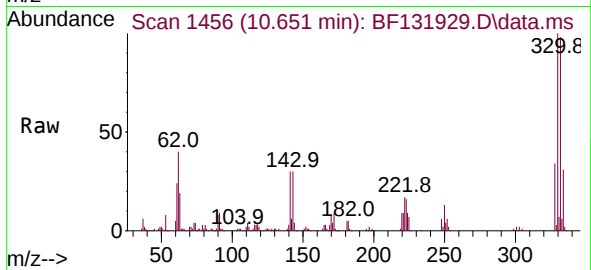
Tgt Ion:164 Resp: 136746
Ion Ratio Lower Upper
164 100
162 99.4 81.8 122.6
160 42.8 35.7 53.5





#42
2,4,6-Tribromophenol
Concen: 93.292 ng
RT: 10.651 min Scan# 1462
Delta R.T. 0.000 min
Lab File: BF131929.D
Acq: 05 Jan 2023 22:44

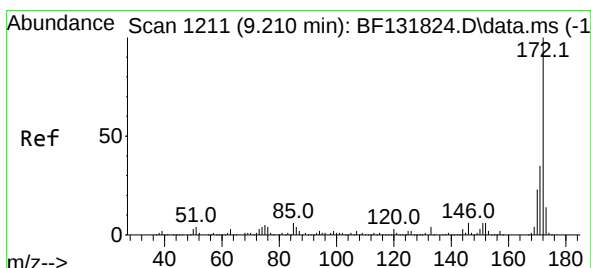
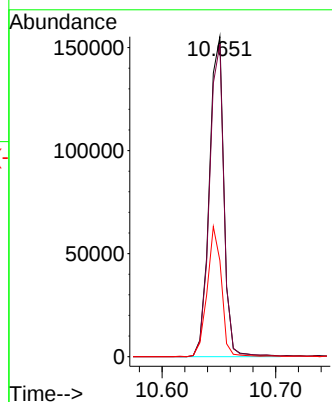
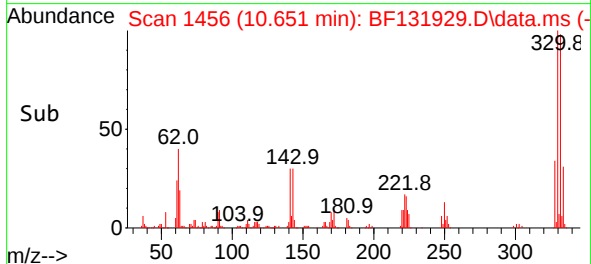
Instrument :
BNA_F
ClientSampleId :
TP-5



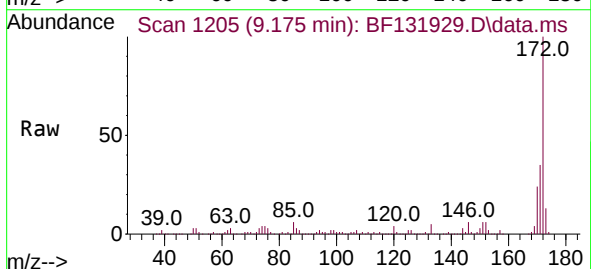
Tgt Ion: 330 Resp: 138609
Ion Ratio Lower Upper
330 100
332 97.5 77.0 115.4
141 40.0 31.0 46.4

Manual Integrations
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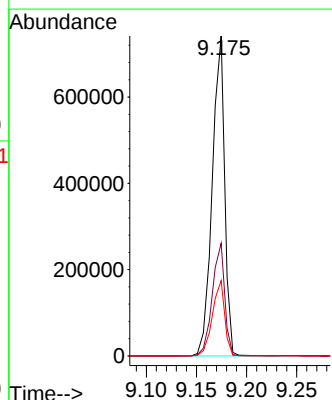
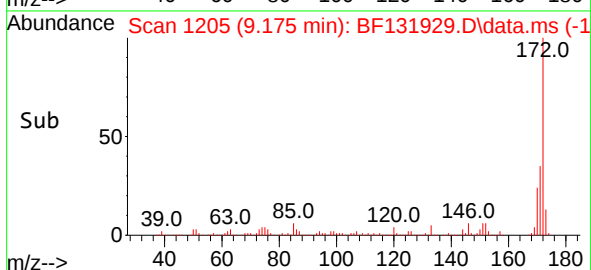
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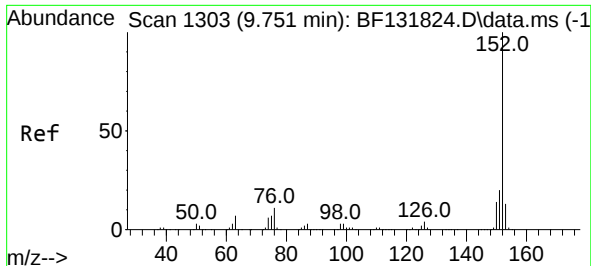


#45
2-Fluorobiphenyl
Concen: 63.998 ng
RT: 9.175 min Scan# 1205
Delta R.T. -0.006 min
Lab File: BF131929.D
Acq: 05 Jan 2023 22:44



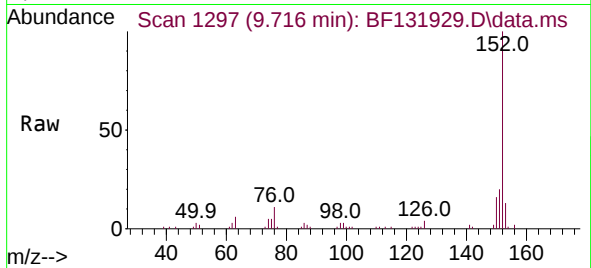
Tgt Ion: 172 Resp: 638914
Ion Ratio Lower Upper
172 100
171 35.2 27.9 41.9
170 23.5 18.7 28.1





#49
Acenaphthylene
Concen: 2.011 ng
RT: 9.716 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF131929.D
Acq: 05 Jan 2023 22:44

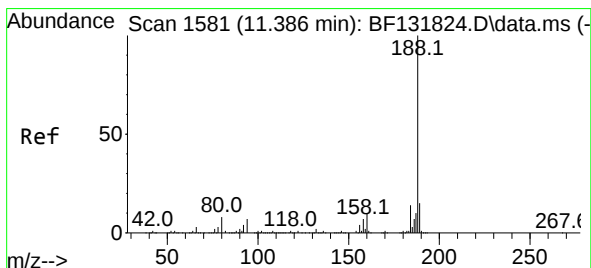
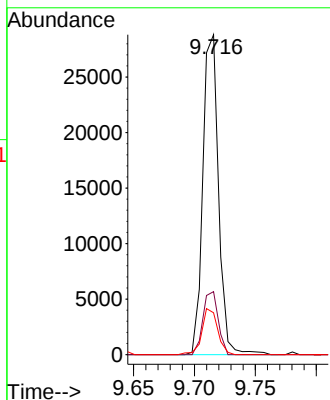
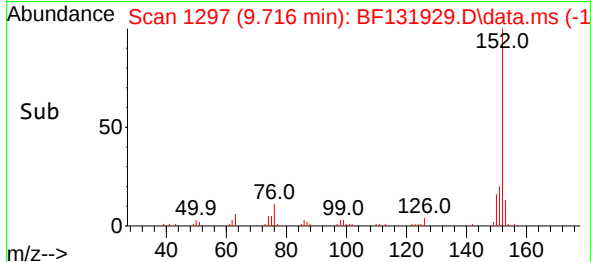
Instrument :
BNA_F
ClientSampleId :
TP-5



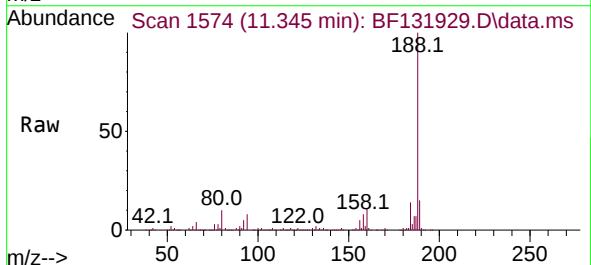
Tgt Ion:152 Resp: 25932
Ion Ratio Lower Upper
152 100
151 19.7 15.8 23.6
153 13.1 10.2 15.4

Manual Integrations
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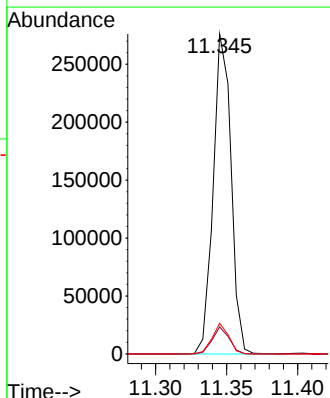
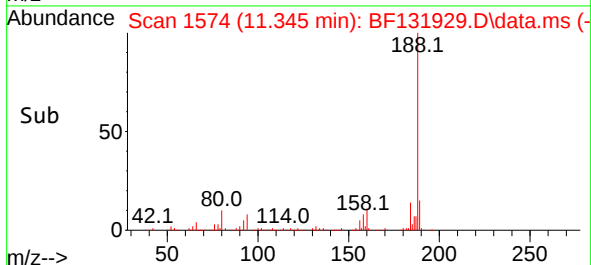
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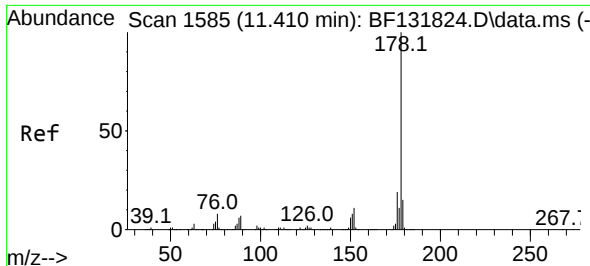


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.345 min Scan# 1574
Delta R.T. -0.006 min
Lab File: BF131929.D
Acq: 05 Jan 2023 22:44



Tgt Ion:188 Resp: 241534
Ion Ratio Lower Upper
188 100
94 8.4 5.8 8.6
80 9.6 6.7 10.1





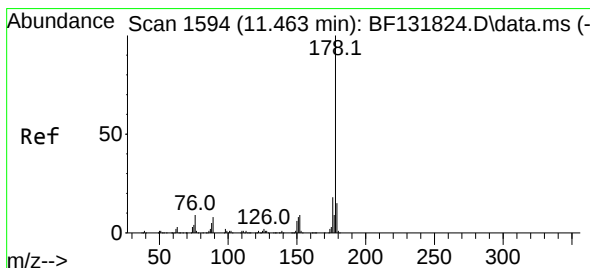
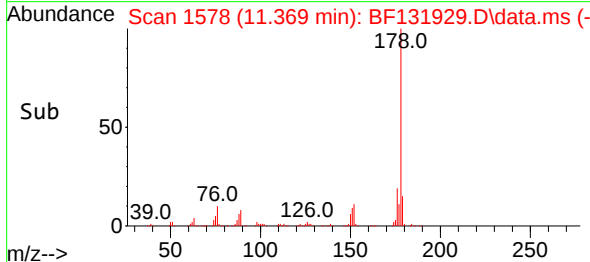
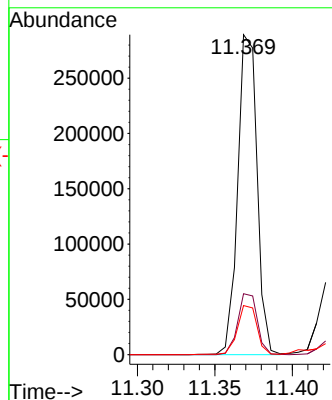
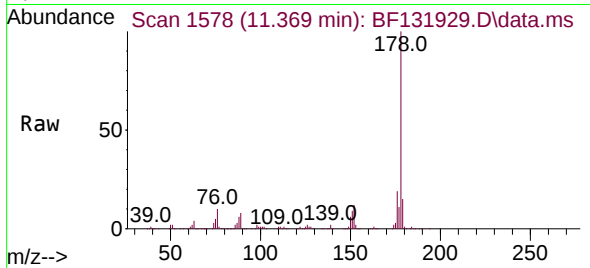
#71
Phenanthrene
Concen: 18.926 ng
RT: 11.369 min Scan# 11384
Delta R.T. -0.006 min
Lab File: BF131929.D
Acq: 05 Jan 2023 22:44

Instrument :
BNA_F
ClientSampleId :
TP-5

Tgt Ion:178 Resp: 251384
Ion Ratio Lower Upper
178 100
176 19.0 15.5 23.3
179 15.3 12.2 18.4

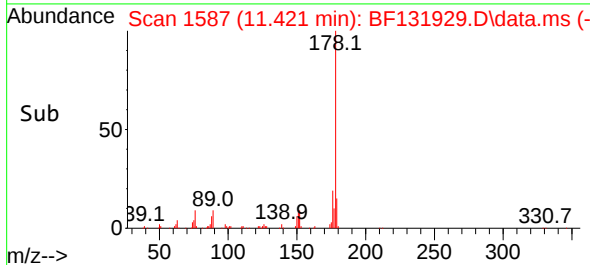
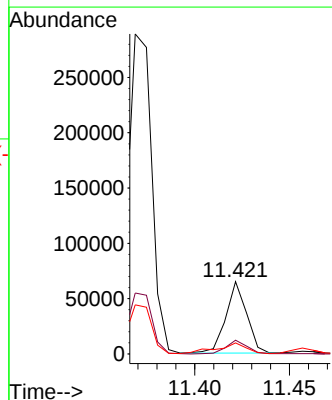
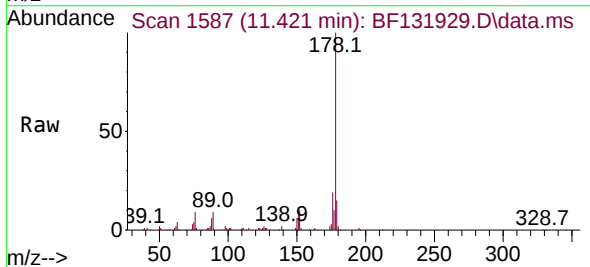
Manual Integrations
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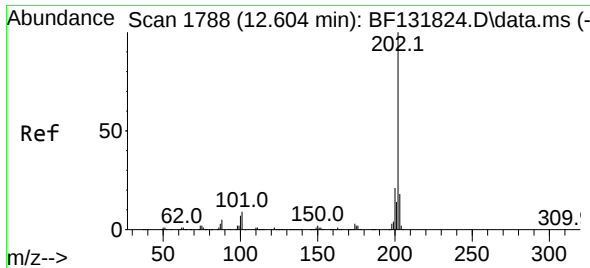
Reviewed By :Christian Giraldo 01/06/2023
Supervised By :Jagrut Upadhyay 01/06/2023



#72
Anthracene
Concen: 3.809 ng
RT: 11.421 min Scan# 1587
Delta R.T. -0.006 min
Lab File: BF131929.D
Acq: 05 Jan 2023 22:44

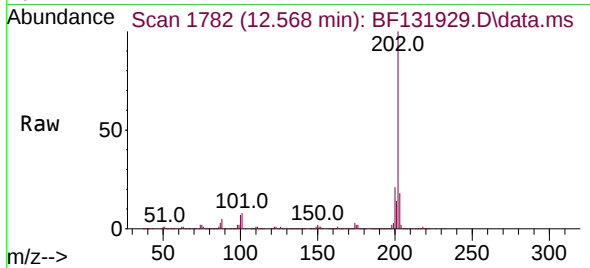
Tgt Ion:178 Resp: 49489
Ion Ratio Lower Upper
178 100
176 18.9 14.8 22.2
179 15.2 12.2 18.2





#75
Fluoranthene
Concen: 31.363 ng
RT: 12.568 min Scan# 1788
Delta R.T. 0.000 min
Lab File: BF131929.D
Acq: 05 Jan 2023 22:44

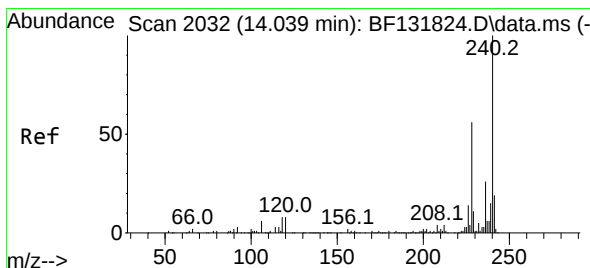
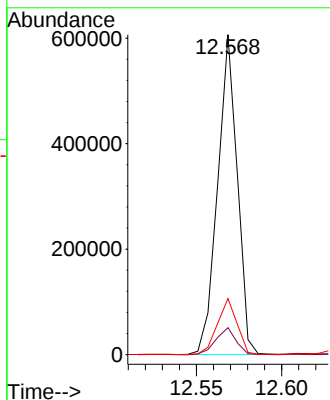
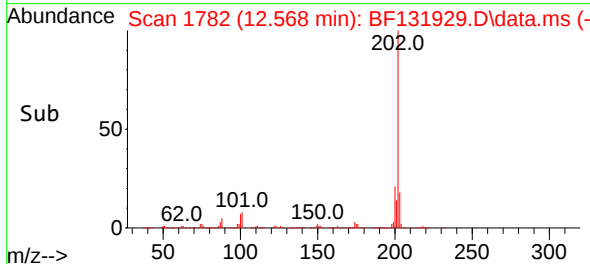
Instrument :
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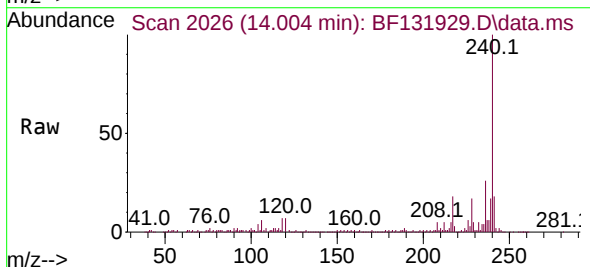
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Ion Ratio Lower Upper
202 100
101 8.5 0.0 28.6
203 17.5 0.0 37.8

Manual Integrations
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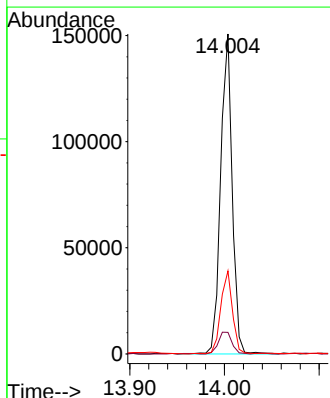
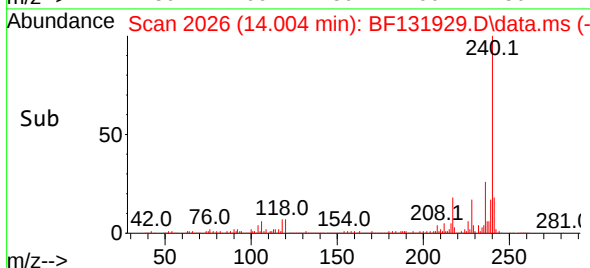
Reviewed By :Christian Giraldo 01/06/2023
Supervised By :Jagrut Upadhyay 01/06/2023

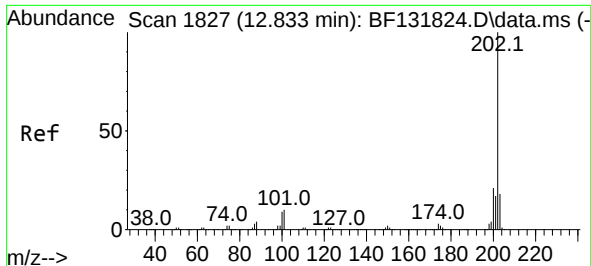


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.004 min Scan# 2026
Delta R.T. -0.006 min
Lab File: BF131929.D
Acq: 05 Jan 2023 22:44



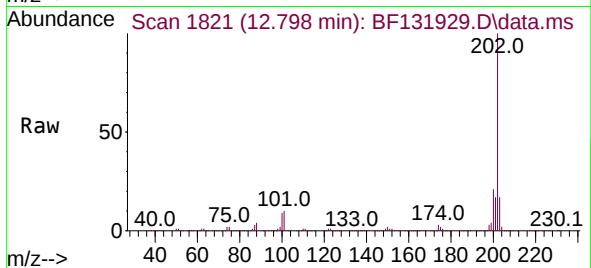
Tgt Ion:240 Resp: 127342
Ion Ratio Lower Upper
240 100
120 6.7 6.7 10.1
236 25.9 20.6 31.0





#78
Pyrene
Concen: 38.094 ng
RT: 12.798 min Scan# 1821
Delta R.T. -0.006 min
Lab File: BF131929.D
Acq: 05 Jan 2023 22:44

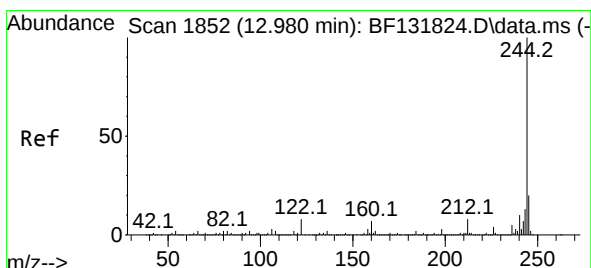
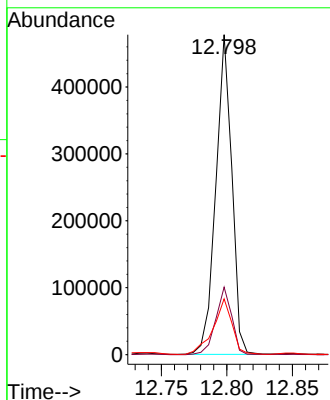
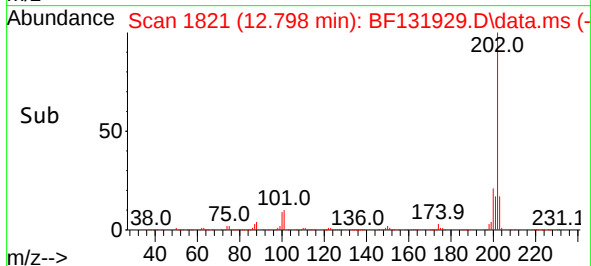
Instrument :
BNA_F
ClientSampleId :
TP-5



Tgt Ion:202 Resp: 406589
Ion Ratio Lower Upper
202 100
200 21.1 16.7 25.1
203 17.4 14.4 21.6

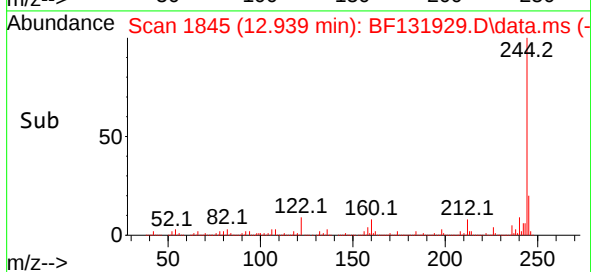
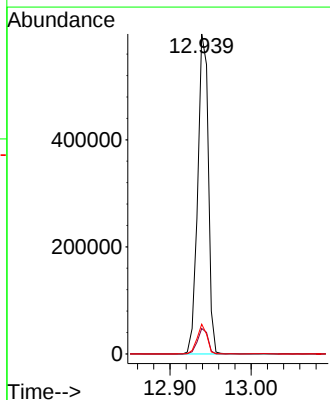
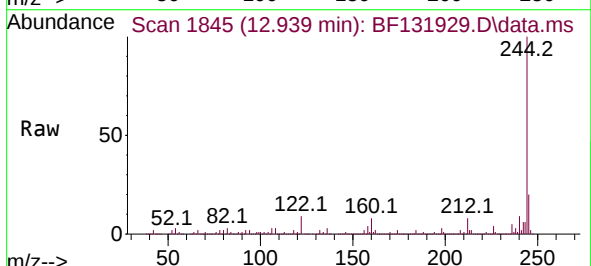
Manual Integrations
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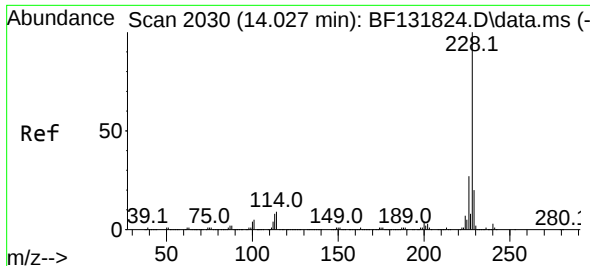
Reviewed By :Christian Giraldo 01/06/2023
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#79
Terphenyl-d14
Concen: 71.733 ng
RT: 12.939 min Scan# 1845
Delta R.T. -0.006 min
Lab File: BF131929.D
Acq: 05 Jan 2023 22:44

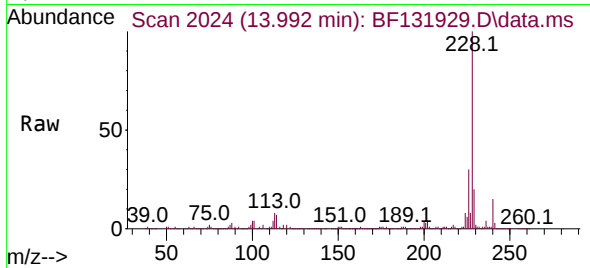
Tgt Ion:244 Resp: 540027
Ion Ratio Lower Upper
244 100
212 7.9 6.3 9.5
122 9.3 6.4 9.6





#81
Benzo(a)anthracene
Concen: 19.787 ng
RT: 13.992 min Scan# 2030
Delta R.T. -0.006 min
Lab File: BF131929.D
Acq: 05 Jan 2023 22:44

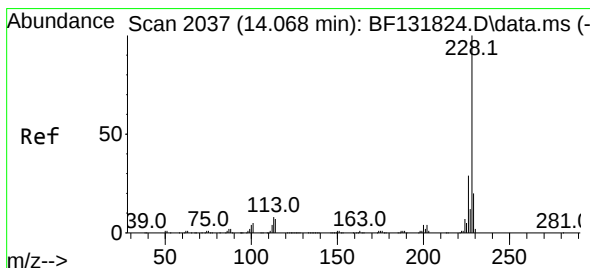
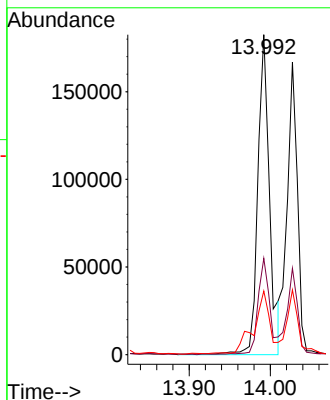
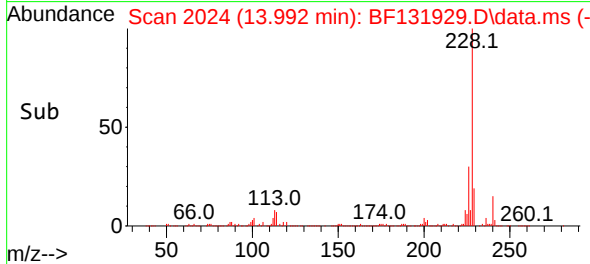
Instrument :
BNA_F
ClientSampleId :
TP-5



Tgt Ion:228 Resp: 182436
Ion Ratio Lower Upper
228 100
226 30.1 22.0 33.0
229 19.9 16.0 24.0

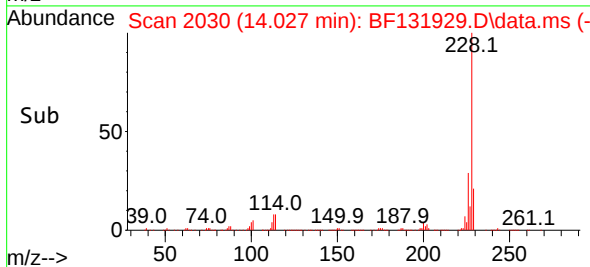
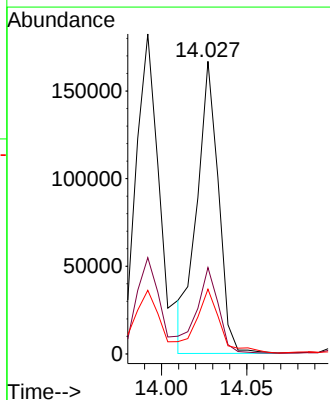
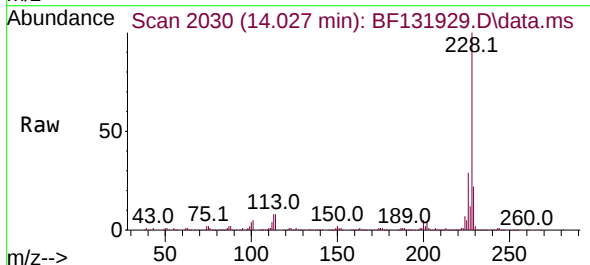
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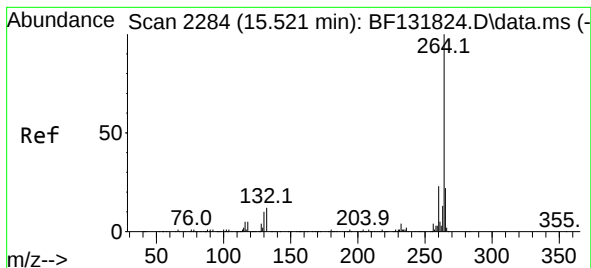
Reviewed By :Christian Giraldo 01/06/2023
Supervised By :Jagrut Upadhyay 01/06/2023



#83
Chrysene
Concen: 16.963 ng
RT: 14.027 min Scan# 2030
Delta R.T. -0.006 min
Lab File: BF131929.D
Acq: 05 Jan 2023 22:44

Tgt Ion:228 Resp: 146967
Ion Ratio Lower Upper
228 100
226 29.5 23.5 35.3
229 22.1 16.2 24.2





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.480 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF131929.D

Acq: 05 Jan 2023 22:44

Instrument :

BNA_F

ClientSampleId :

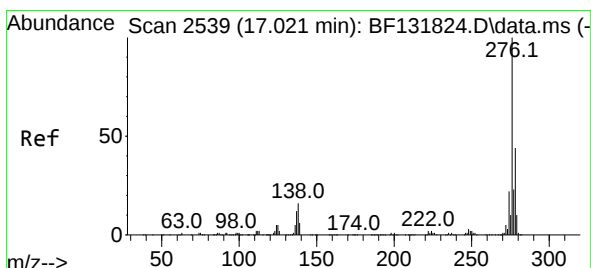
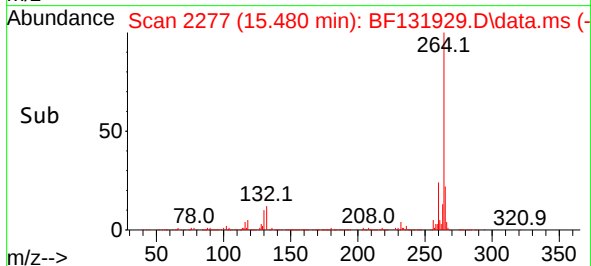
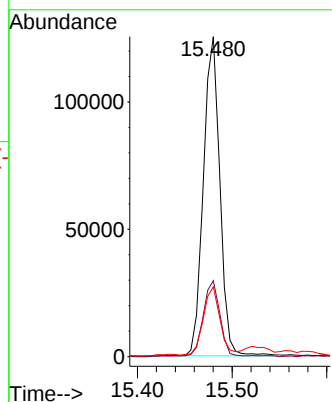
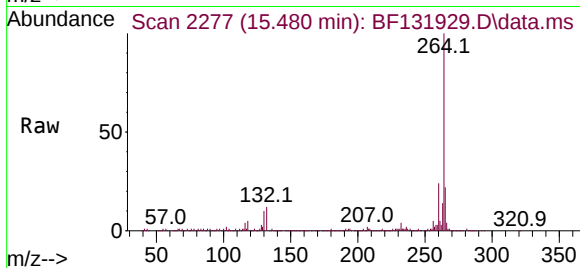
TP-5

Tgt Ion:264 Resp: 152045
 Ion Ratio Lower Upper
 264 100
 260 23.7 18.6 28.0
 265 21.8 17.4 26.0

Manual Integrations

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 Supervised By :Jagrut Upadhyay 01/06/2023



#87

Indeno(1,2,3-cd)pyrene

Concen: 9.922 ng

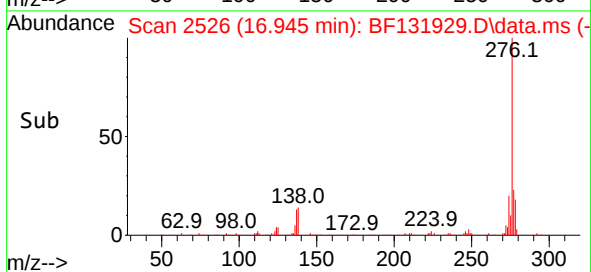
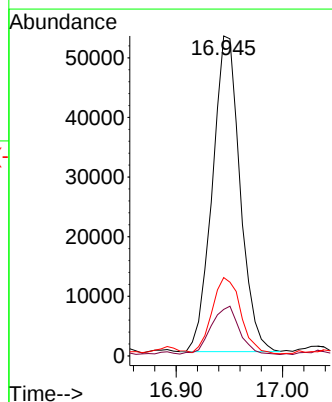
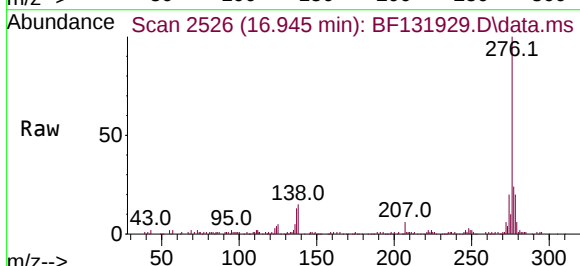
RT: 16.945 min Scan# 2526

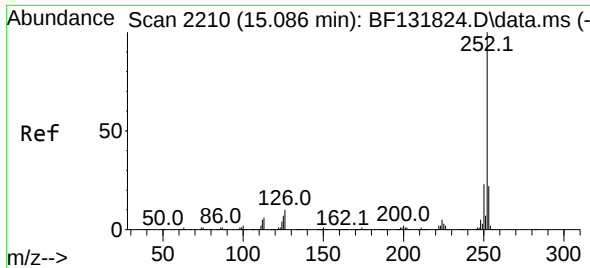
Delta R.T. -0.012 min

Lab File: BF131929.D

Acq: 05 Jan 2023 22:44

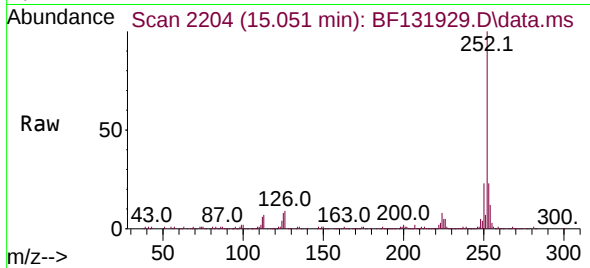
Tgt Ion:276 Resp: 95842
 Ion Ratio Lower Upper
 276 100
 138 15.6 14.5 21.7
 277 25.0 19.7 29.5





#88
Benzo(b)fluoranthene
Concen: 20.420 ng m
RT: 15.051 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF131929.D
Acq: 05 Jan 2023 22:44

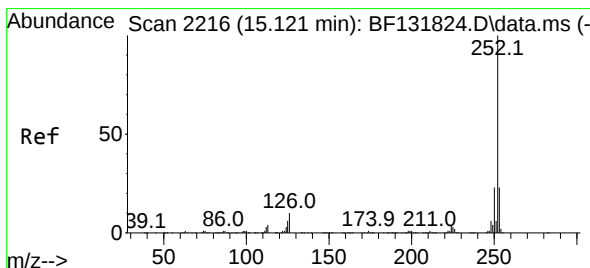
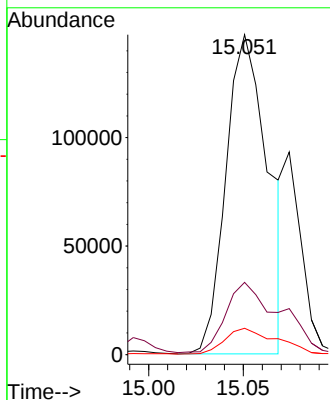
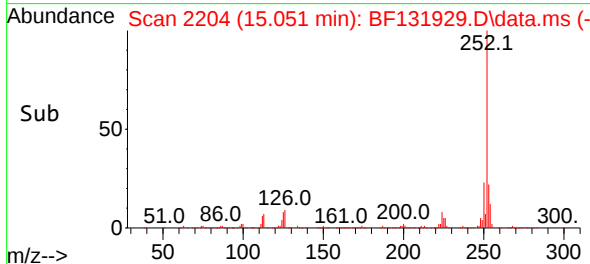
Instrument :
BNA_F
ClientSampleId :
TP-5



Tgt Ion:252 Resp: 227655
Ion Ratio Lower Upper
252 100
253 22.6 17.6 26.4
125 8.2 5.8 8.8

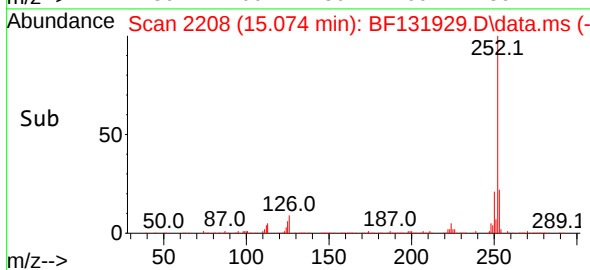
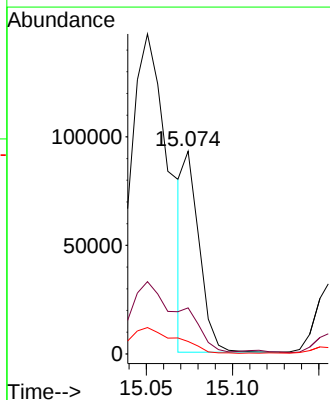
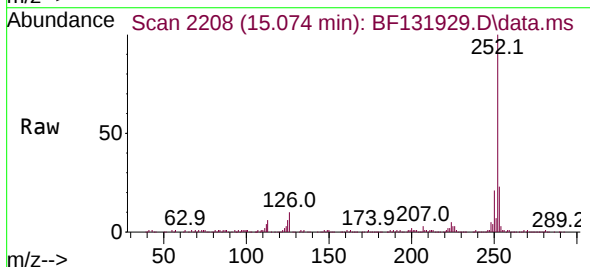
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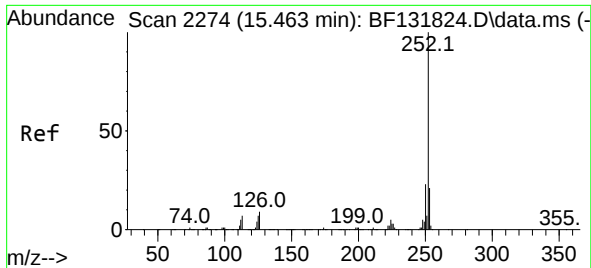
Reviewed By :Christian Giraldo 01/06/2023
Supervised By :Jagrut Upadhyay 01/06/2023



#89
Benzo(k)fluoranthene
Concen: 5.499 ng m
RT: 15.074 min Scan# 2208
Delta R.T. -0.006 min
Lab File: BF131929.D
Acq: 05 Jan 2023 22:44

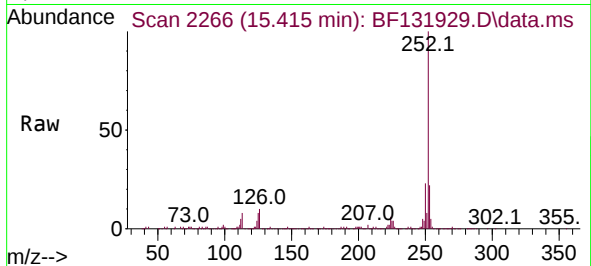
Tgt Ion:252 Resp: 59234
Ion Ratio Lower Upper
252 100
253 22.7 17.7 26.5
125 6.2 5.4 8.0





#90
Benzo(a)pyrene
Concen: 18.726 ng
RT: 15.415 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF131929.D
Acq: 05 Jan 2023 22:44

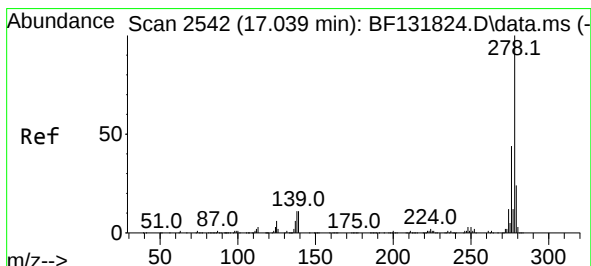
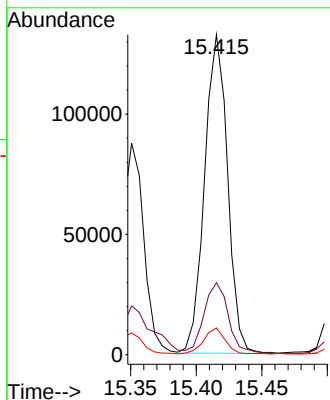
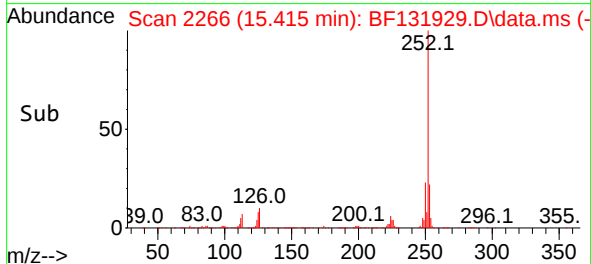
Instrument :
BNA_F
ClientSampleId :
TP-5



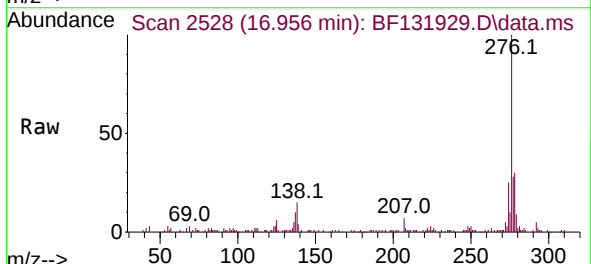
Tgt Ion:252 Resp: 161626
Ion Ratio Lower Upper
252 100
253 22.4 16.6 24.8
125 8.3 5.8 8.8

Manual Integrations
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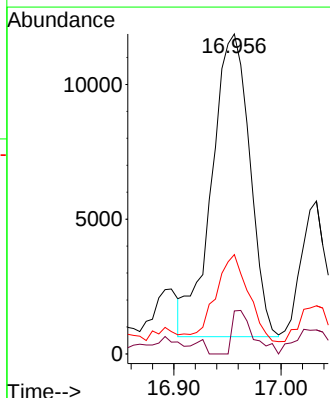
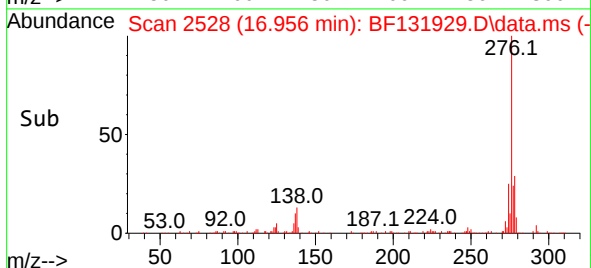
Reviewed By :Christian Giraldo 01/06/2023
Supervised By :Jagrut Upadhyay 01/06/2023

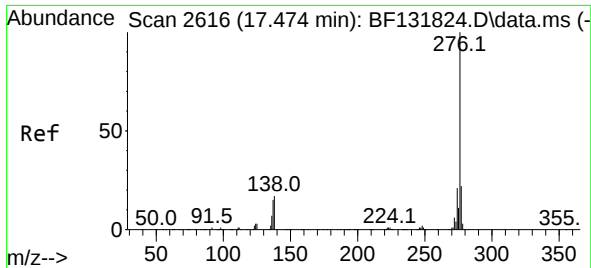


#91
Dibenzo(a,h)anthracene
Concen: 3.501 ng m
RT: 16.956 min Scan# 2528
Delta R.T. -0.018 min
Lab File: BF131929.D
Acq: 05 Jan 2023 22:44



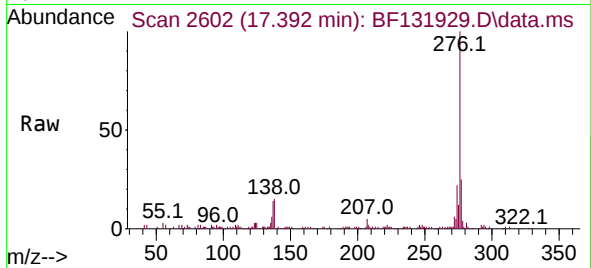
Tgt Ion:278 Resp: 27702
Ion Ratio Lower Upper
278 100
139 13.4 8.6 12.8#
279 31.0 19.0 28.4#





#92
Benzo(g,h,i)perylene
Concen: 13.180 ng
RT: 17.392 min Scan# 2602
Delta R.T. -0.018 min
Lab File: BF131929.D
Acq: 05 Jan 2023 22:44

Instrument :
BNA_F
ClientSampleId :
TP-5



Tgt Ion: 276 Resp: 83353
Ion Ratio Lower Upper
276 100
277 25.5 17.9 26.9
138 15.2 13.7 20.5

Manual Integrations
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Reviewed By : Christian Giraldo 01/06/2023
Supervised By : Jagrut Upadhyay 01/06/2023

