

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060722\
 Data File : BF128721.D
 Acq On : 07 Jun 2022 17:47
 Operator : CG\JU
 Sample : N3209-09
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-14B-10-GR

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 06/08/2022
 Supervised By : Jagrut Upadhyay 06/08/2022

Quant Time: Jun 08 00:27:06 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060222.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 02 17:07:23 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.822	152	74833	20.000	ng	0.00
21) Naphthalene-d8	8.110	136	263140	20.000	ng	# 0.00
39) Acenaphthene-d10	9.869	164	137052	20.000	ng	0.00
64) Phenanthrene-d10	11.357	188	206215	20.000	ng	0.00
76) Chrysene-d12	14.004	240	148694	20.000	ng	0.00
86) Perylene-d12	15.480	264	165409	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.475	112	472711	100.617	ng	0.00
7) Phenol-d6	6.487	99	528359	92.131	ng	-0.01
23) Nitrobenzene-d5	7.386	82	378923	67.045	ng	0.00
42) 2,4,6-Tribromophenol	10.663	330	131808	81.396	ng	0.00
45) 2-Fluorobiphenyl	9.186	172	655743	67.023	ng	0.00
79) Terphenyl-d14	12.945	244	521152	60.902	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.128	128	37281	2.761	ng	# 77
37) 2-Methylnaphthalene	8.822	142	80279	9.346	ng	98
38) 1-Methylnaphthalene	8.922	142	126587	15.253	ng	98
58) Fluorene	10.416	166	22337	2.562	ng	# 87
71) Phenanthrene	11.380	178	60092	5.810	ng	96
75) Fluoranthene	12.568	202	32872	3.040	ng	90
78) Pyrene	12.798	202	78260	7.074	ng	# 95
81) Benzo(a)anthracene	13.992	228	56040	6.046	ng	# 82
83) Chrysene	14.027	228	80978	9.164	ng	# 81
87) Indeno(1,2,3-cd)pyrene	16.939	276	27551	2.763	ng	# 90
88) Benzo(b)fluoranthene	15.045	252	36532m	3.456	ng	
90) Benzo(a)pyrene	15.409	252	49315	5.936	ng	# 79
91) Dibenzo(a,h)anthracene	16.951	278	18788	2.272	ng	# 63
92) Benzo(g,h,i)perylene	17.380	276	56572	6.902	ng	94

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

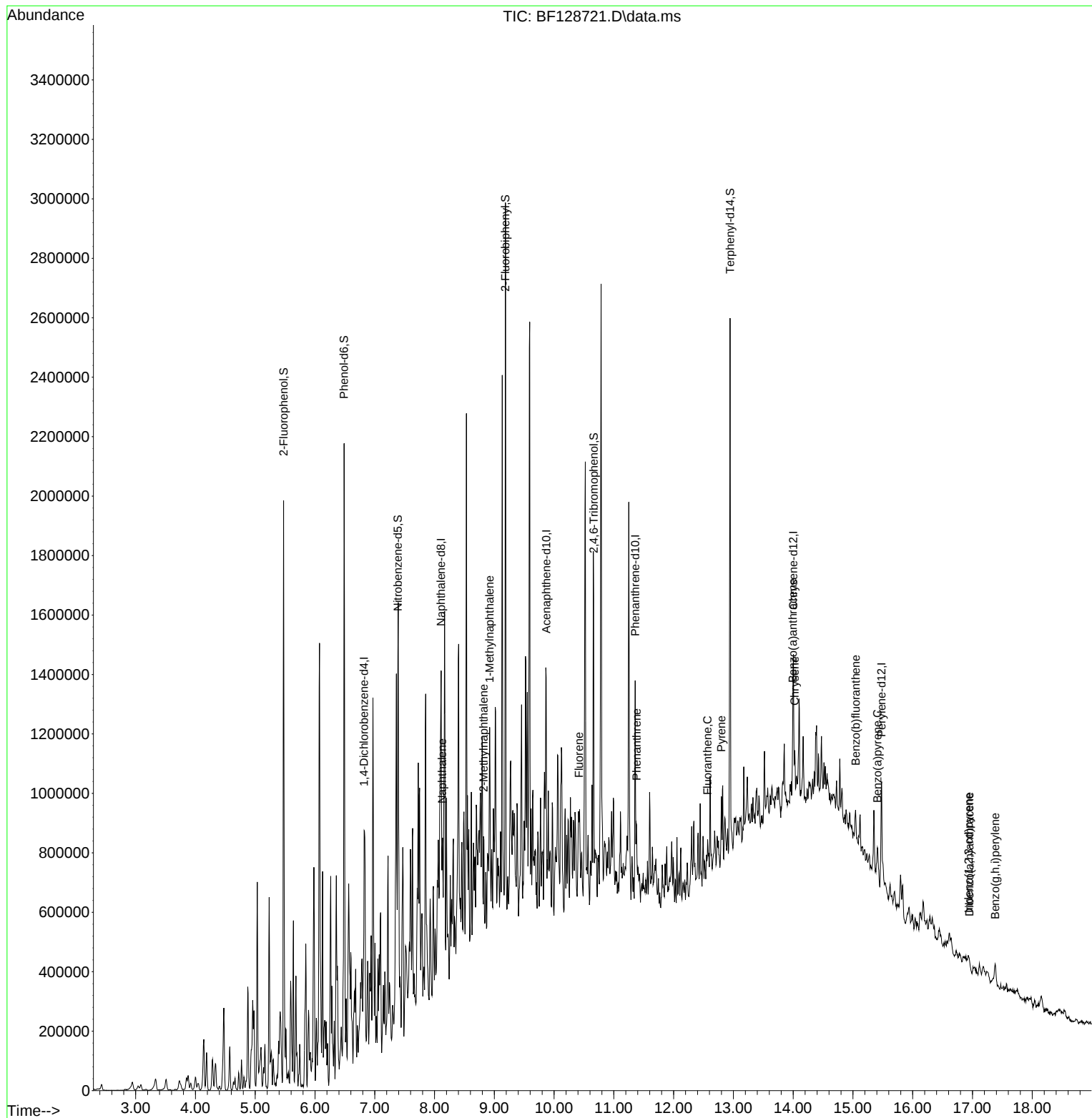
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060722\
Data File : BF128721.D
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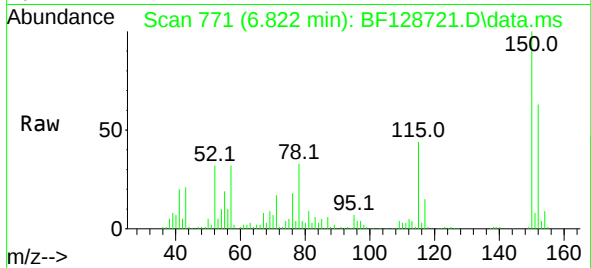
Quant Time: Jun 08 00:27:06 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060222.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 02 17:07:23 2022
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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.822 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF128721.D
Acq: 07 Jun 2022 17:47

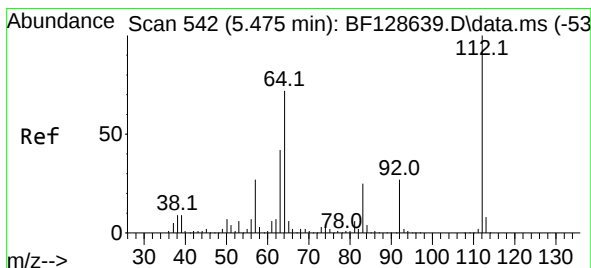
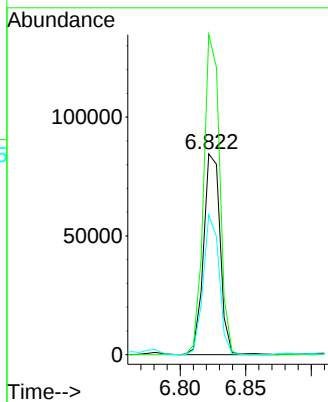
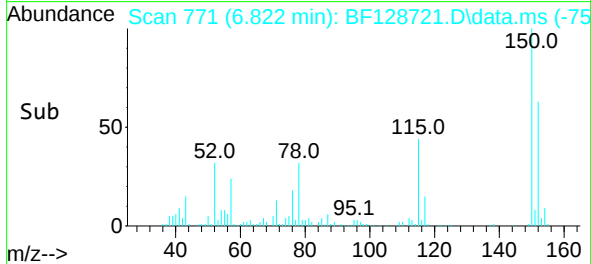
Instrument :
BNA_F
ClientSampleId :
WC-14B-10-GR



Tgt Ion:152 Resp: 7483
Ion Ratio Lower Upper
152 100
150 159.4 123.7 185.5
115 69.7 49.9 74.9

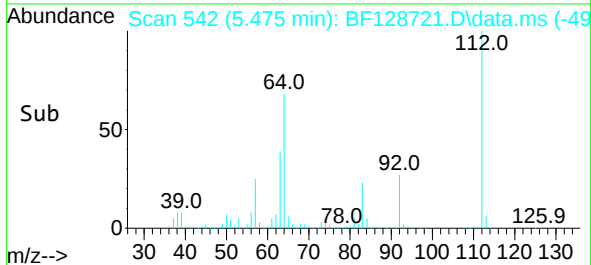
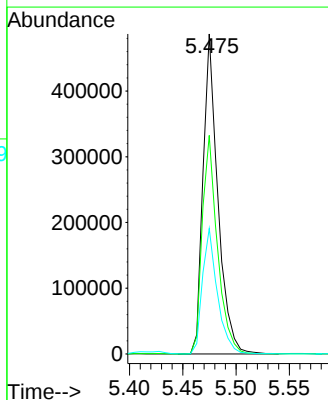
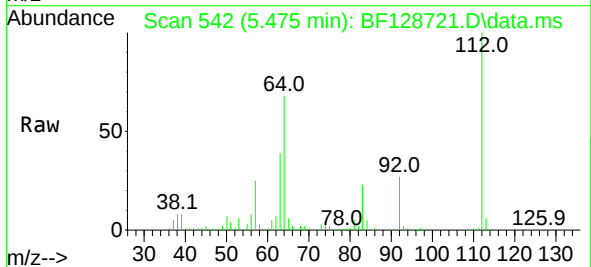
Manual Integrations
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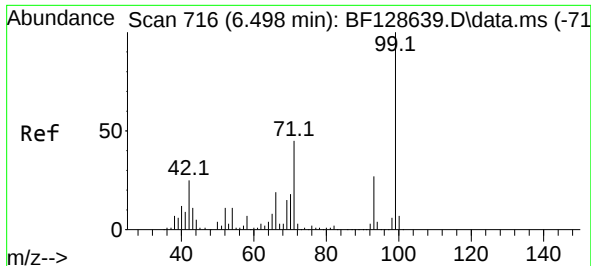
Reviewed By :Christian Giraldo 06/08/2022
Supervised By :Jagrut Upadhyay 06/08/2022



#5
2-Fluorophenol
Concen: 100.617 ng
RT: 5.475 min Scan# 542
Delta R.T. -0.000 min
Lab File: BF128721.D
Acq: 07 Jun 2022 17:47

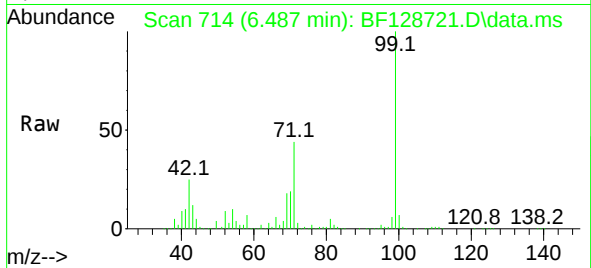
Tgt Ion:112 Resp: 472711
Ion Ratio Lower Upper
112 100
64 68.3 53.3 79.9
63 39.2 28.0 42.0





#7
Phenol-d6
Concen: 92.131 ng
RT: 6.487 min Scan# 716
Delta R.T. -0.011 min
Lab File: BF128721.D
Acq: 07 Jun 2022 17:47

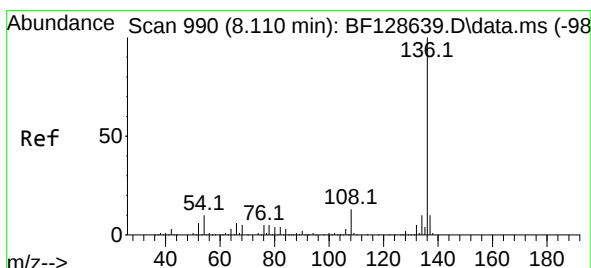
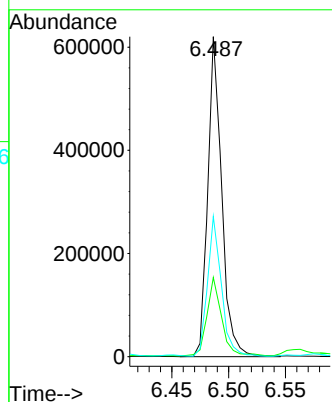
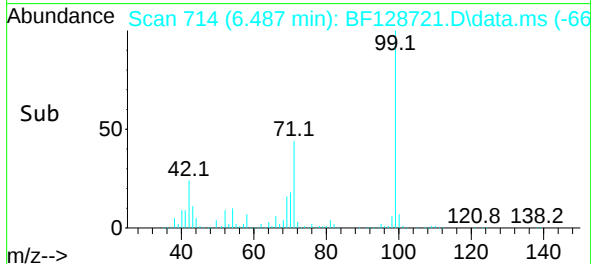
Instrument :
BNA_F
ClientSampleId :
WC-14B-10-GR



Tgt Ion: 99 Resp: 52835
Ion Ratio Lower Upper
99 100
42 24.7 17.3 25.9
71 43.8 28.9 43.3

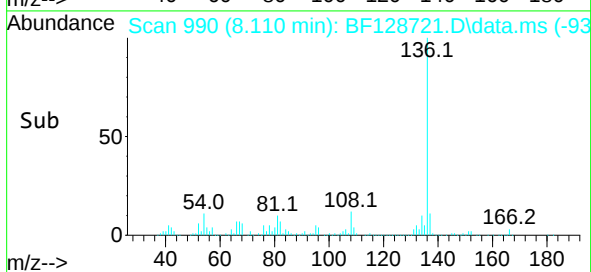
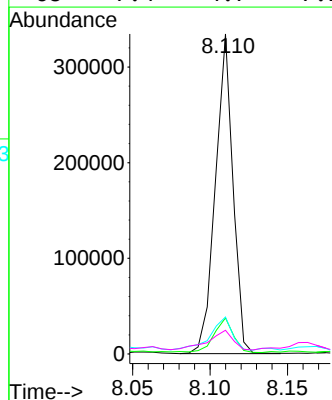
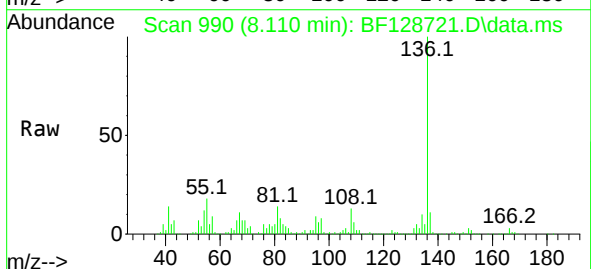
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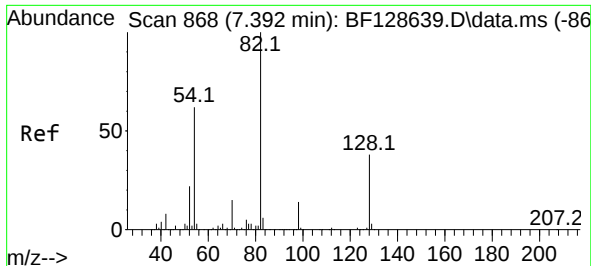
Reviewed By :Christian Giraldo 06/08/2022
Supervised By :Jagrut Upadhyay 06/08/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.110 min Scan# 990
Delta R.T. -0.000 min
Lab File: BF128721.D
Acq: 07 Jun 2022 17:47

Tgt Ion:136 Resp: 263140
Ion Ratio Lower Upper
136 100
137 11.3 8.8 13.2
54 11.6 7.5 11.3#
68 7.4 4.7 7.1#





#23

Nitrobenzene-d5

Concen: 67.045 ng

RT: 7.386 min Scan# 80

Delta R.T. -0.006 min

Lab File: BF128721.D

Acq: 07 Jun 2022 17:47

Instrument :

BNA_F

ClientSampleId :

WC-14B-10-GR

Tgt Ion: 82 Resp: 37892

Ion Ratio Lower Upper

82 100

128 37.7 34.0 51.0

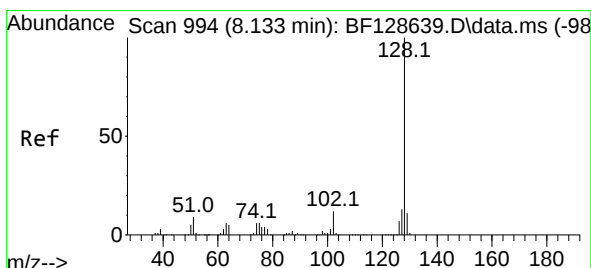
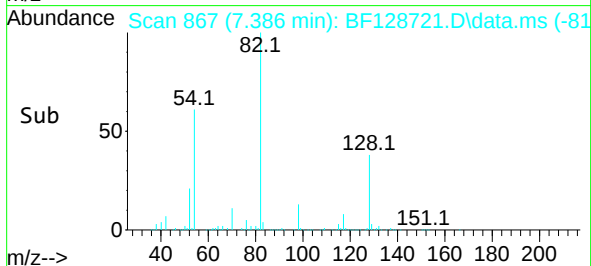
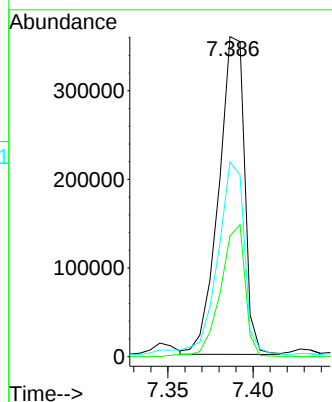
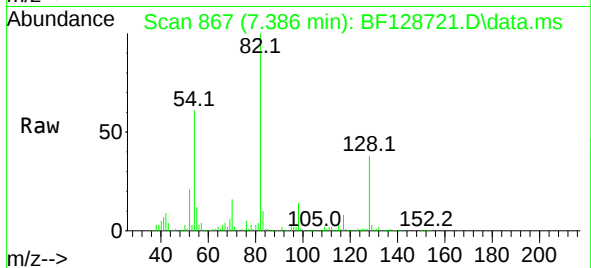
54 60.8 46.9 70.3

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#31

Naphthalene

Concen: 2.761 ng

RT: 8.128 min Scan# 993

Delta R.T. -0.006 min

Lab File: BF128721.D

Acq: 07 Jun 2022 17:47

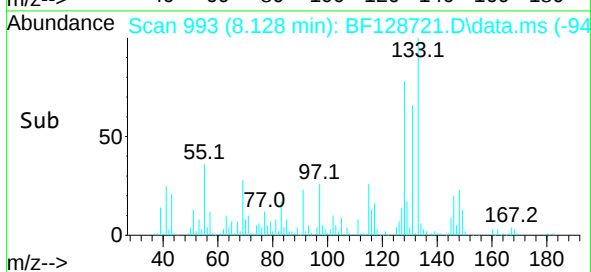
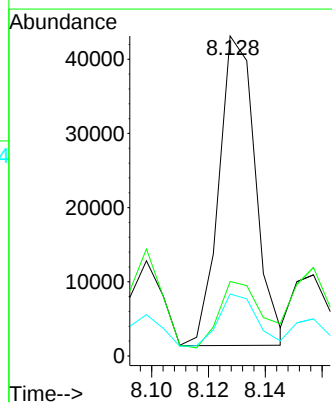
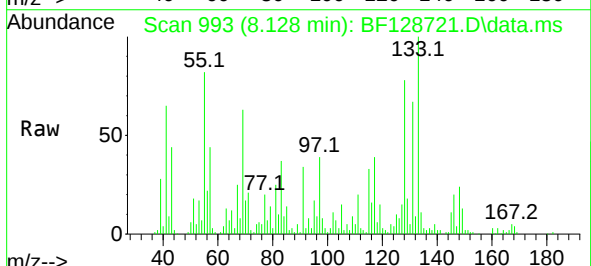
Tgt Ion:128 Resp: 37281

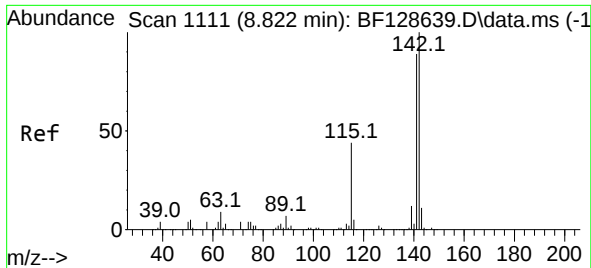
Ion Ratio Lower Upper

128 100

129 23.2 9.2 13.8#

127 19.3 10.5 15.7#





#37

2-Methylnaphthalene

Concen: 9.346 ng

RT: 8.822 min Scan# 1111

Delta R.T. -0.000 min

Lab File: BF128721.D

Acq: 07 Jun 2022 17:47

Instrument :

BNA_F

ClientSampleId :

WC-14B-10-GR

Tgt Ion:142 Resp: 80279

Ion Ratio Lower Upper

142 100

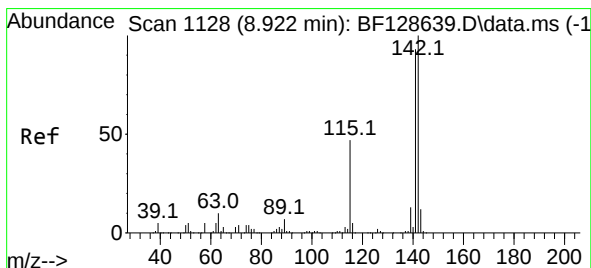
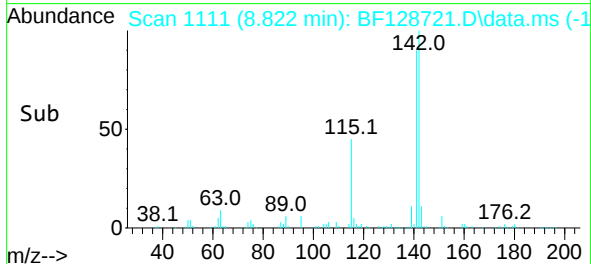
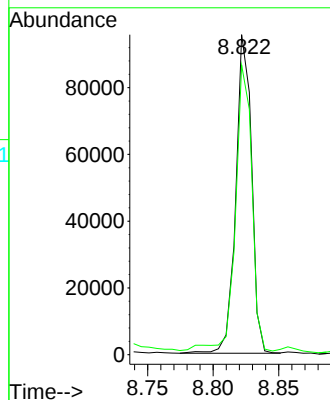
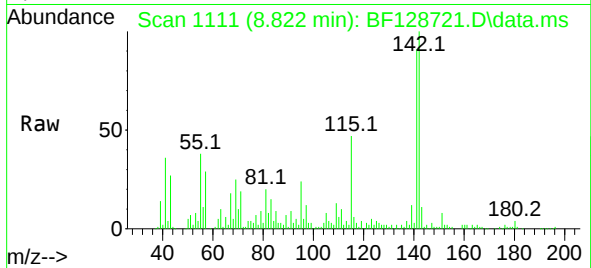
141 90.5 71.0 106.4

Manual Integrations

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Supervised By :Jagrut Upadhyay 06/08/2022



#38

1-Methylnaphthalene

Concen: 15.253 ng

RT: 8.922 min Scan# 1128

Delta R.T. -0.000 min

Lab File: BF128721.D

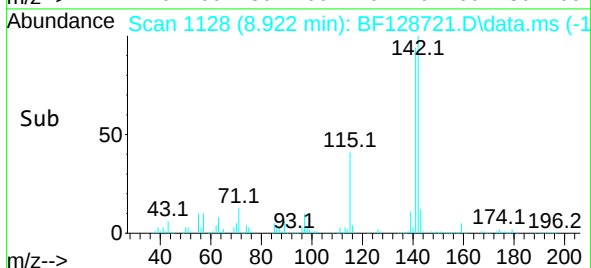
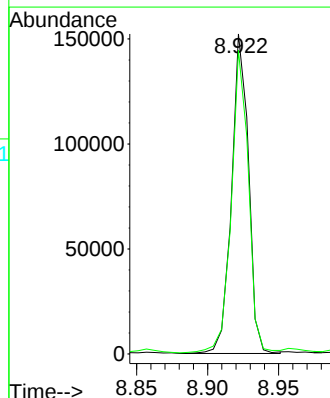
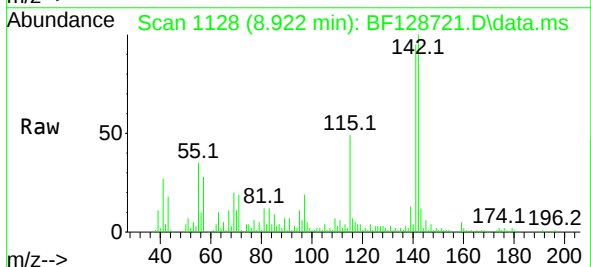
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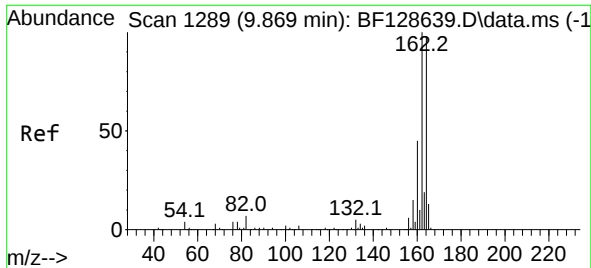
Tgt Ion:142 Resp: 126587

Ion Ratio Lower Upper

142 100

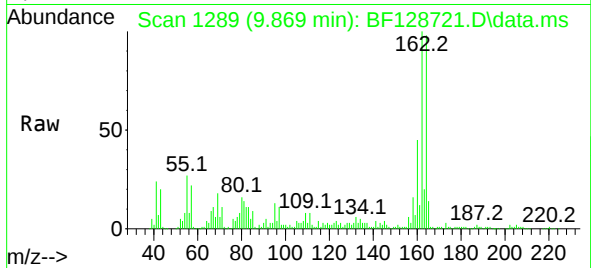
141 94.9 74.2 111.4





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.869 min Scan# 1289
Delta R.T. -0.000 min
Lab File: BF128721.D
Acq: 07 Jun 2022 17:47

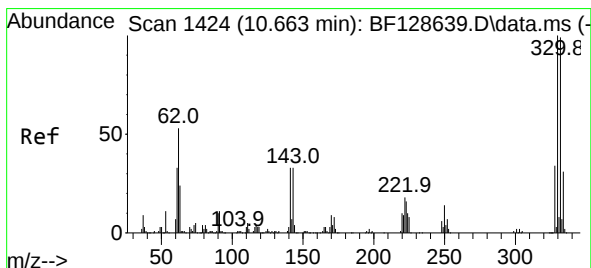
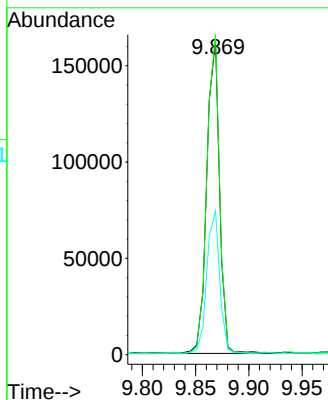
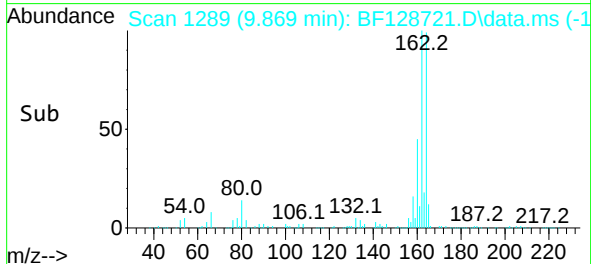
Instrument :
BNA_F
ClientSampleId :
WC-14B-10-GR



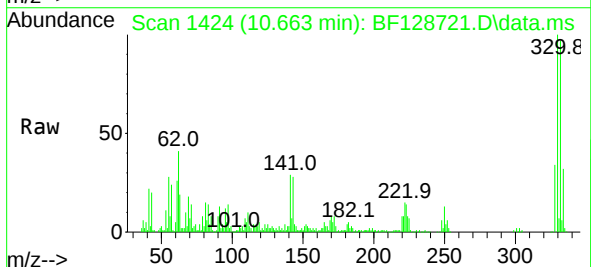
Tgt Ion:164 Resp: 137052
Ion Ratio Lower Upper
164 100
162 101.9 79.5 119.3
160 45.8 34.2 51.4

Manual Integrations
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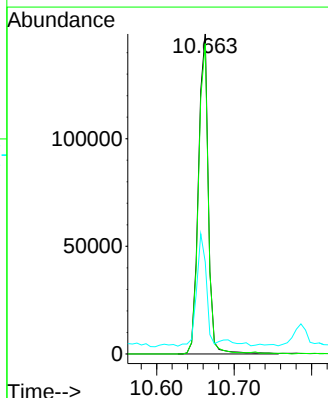
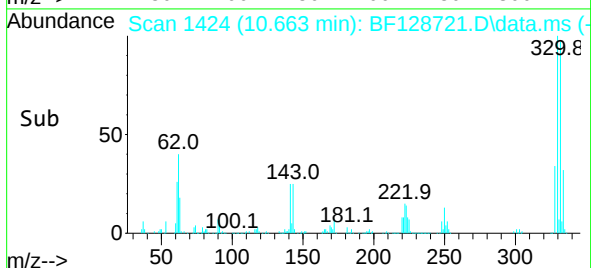
Reviewed By :Christian Giraldo 06/08/2022
Supervised By :Jagrut Upadhyay 06/08/2022

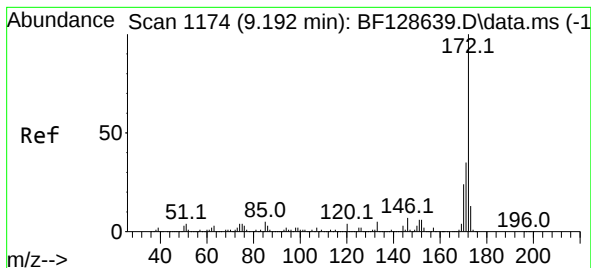


#42
2,4,6-Tribromophenol
Concen: 81.396 ng
RT: 10.663 min Scan# 1424
Delta R.T. -0.000 min
Lab File: BF128721.D
Acq: 07 Jun 2022 17:47



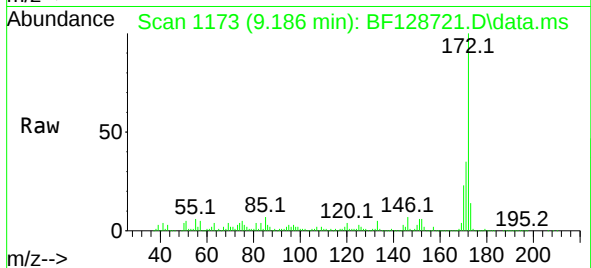
Tgt Ion:330 Resp: 131808
Ion Ratio Lower Upper
330 100
332 96.2 76.8 115.2
141 34.5 28.0 42.0





#45
2-Fluorobiphenyl
Concen: 67.023 ng
RT: 9.186 min Scan# 1173
Delta R.T. -0.006 min
Lab File: BF128721.D
Acq: 07 Jun 2022 17:47

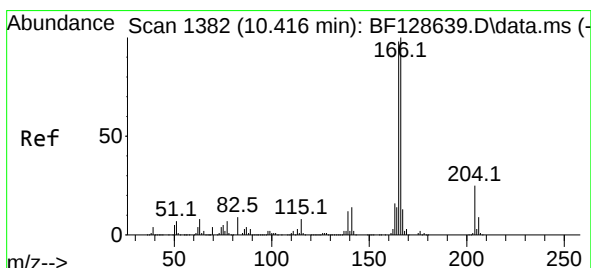
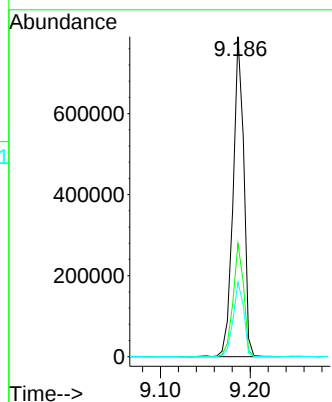
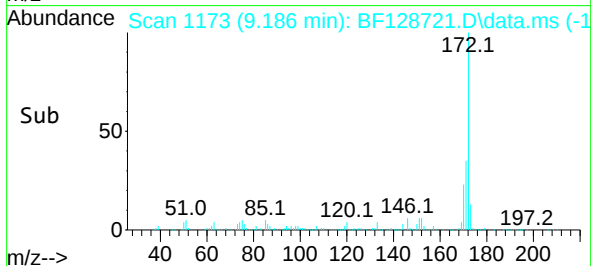
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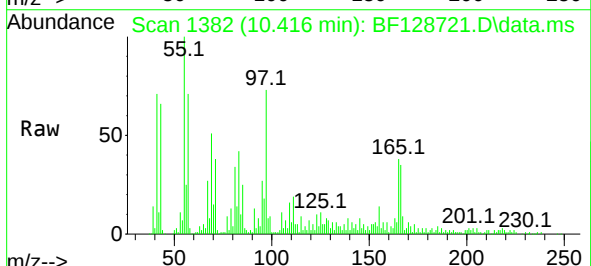
Tgt Ion:172 Resp: 65574
Ion Ratio Lower Upper
172 100
171 35.4 28.8 43.2
170 23.3 19.8 29.8

Manual Integrations
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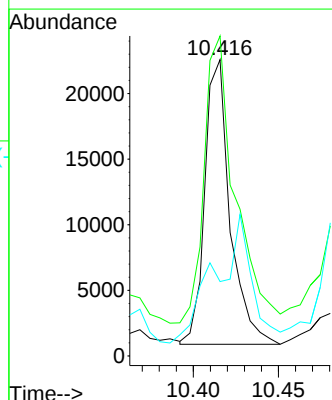
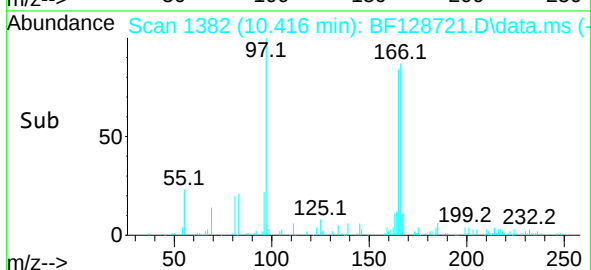
Reviewed By :Christian Giraldo 06/08/2022
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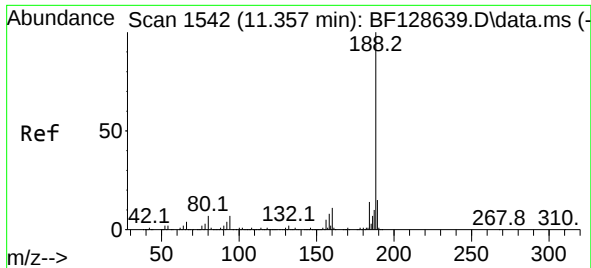


#58
Fluorene
Concen: 2.562 ng
RT: 10.416 min Scan# 1382
Delta R.T. -0.000 min
Lab File: BF128721.D
Acq: 07 Jun 2022 17:47



Tgt Ion:166 Resp: 22337
Ion Ratio Lower Upper
166 100
165 108.0 78.1 117.1
167 25.1 10.5 15.7#





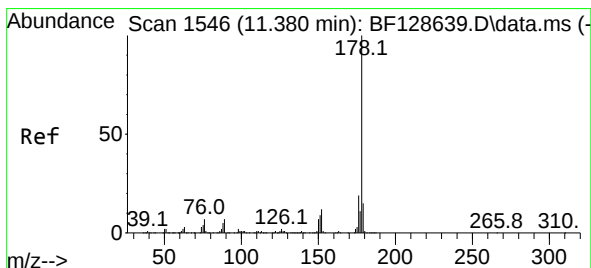
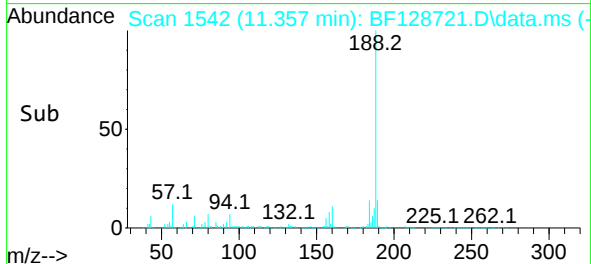
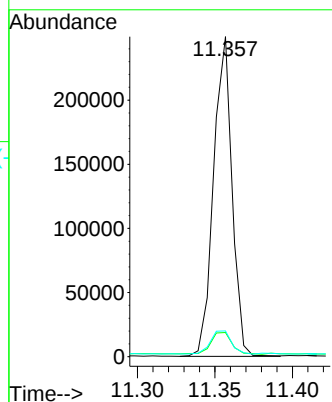
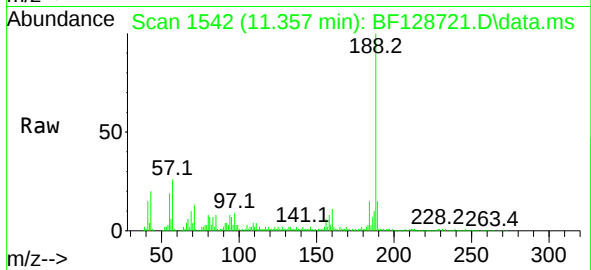
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.357 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF128721.D
Acq: 07 Jun 2022 17:47

Instrument :
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ClientSampleId :
WC-14B-10-GR

Tgt Ion:188 Resp: 206215
Ion Ratio Lower Upper
188 100
94 7.5 7.0 10.6
80 8.1 7.6 11.4

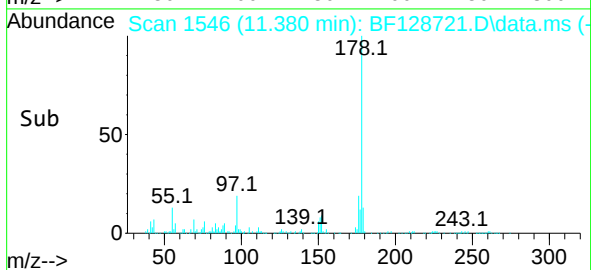
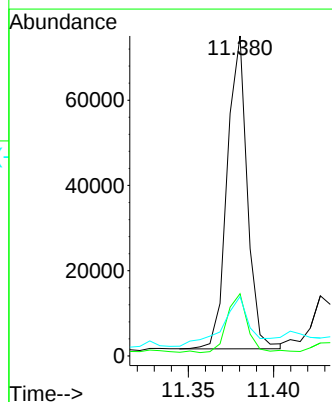
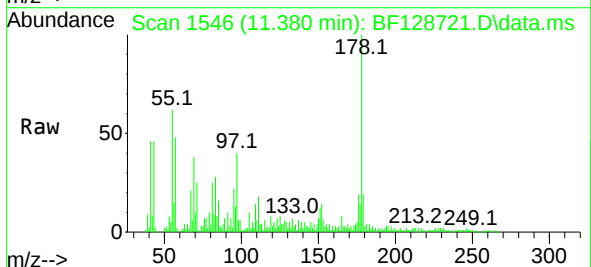
Manual Integrations
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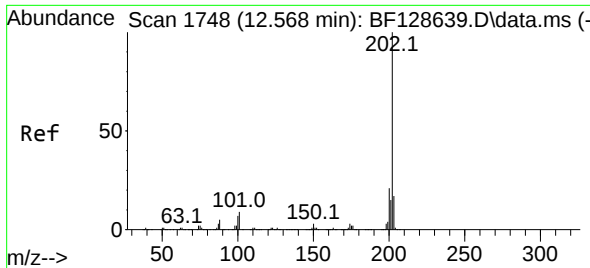
Reviewed By :Christian Giraldo 06/08/2022
Supervised By :Jagrut Upadhyay 06/08/2022



#71
Phenanthrene
Concen: 5.810 ng
RT: 11.380 min Scan# 1546
Delta R.T. -0.000 min
Lab File: BF128721.D
Acq: 07 Jun 2022 17:47

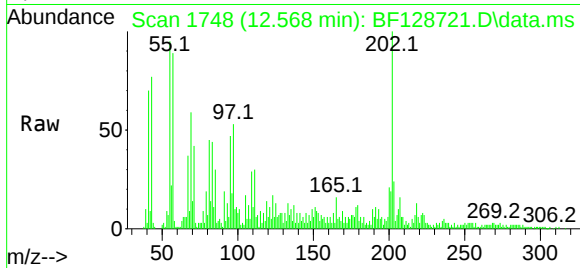
Tgt Ion:178 Resp: 60092
Ion Ratio Lower Upper
178 100
176 19.4 16.0 24.0
179 18.6 12.6 19.0





#75
Fluoranthene
Concen: 3.040 ng
RT: 12.568 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF128721.D
Acq: 07 Jun 2022 17:47

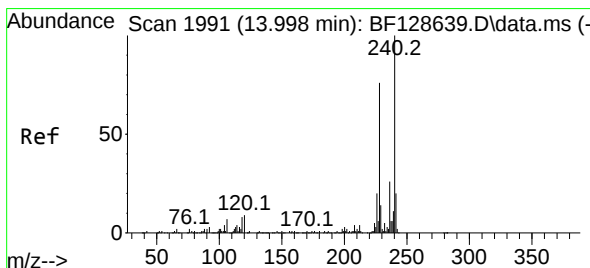
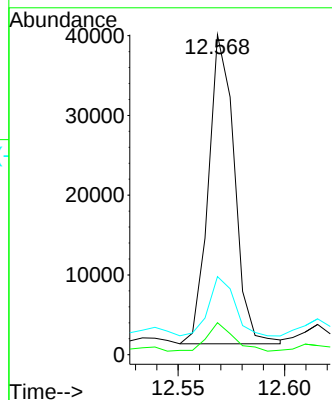
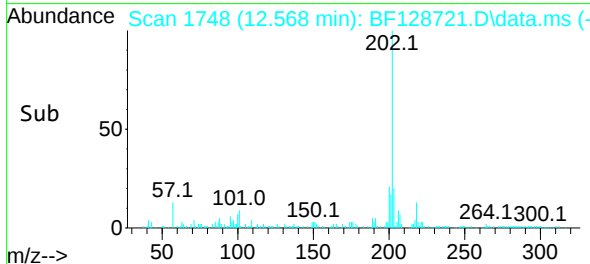
Instrument :
BNA_F
ClientSampleId :
WC-14B-10-GR



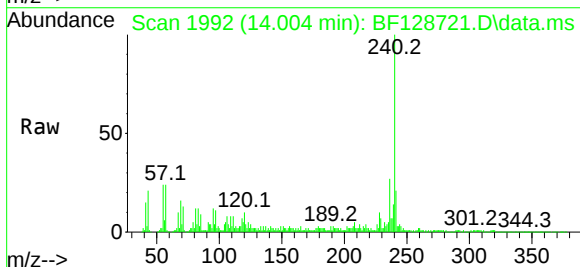
Tgt Ion:202 Resp: 32872
Ion Ratio Lower Upper
202 100
101 10.0 0.0 31.4
203 24.4 0.0 38.0

Manual Integrations
APPROVED

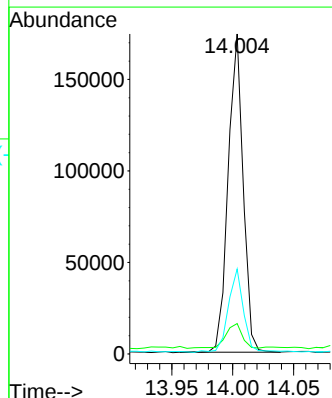
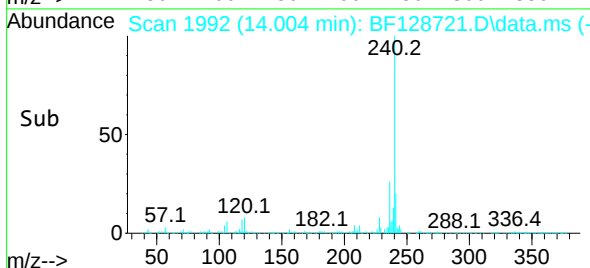
Reviewed By :Christian Giraldo 06/08/2022
Supervised By :Jagrut Upadhyay 06/08/2022

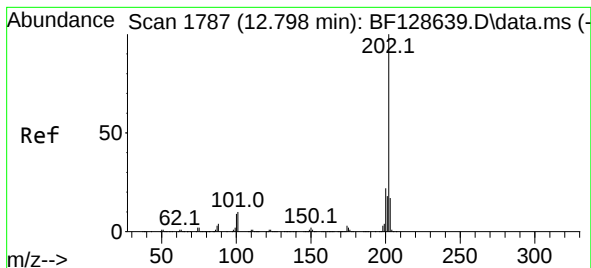


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.004 min Scan# 1992
Delta R.T. 0.006 min
Lab File: BF128721.D
Acq: 07 Jun 2022 17:47



Tgt Ion:240 Resp: 148694
Ion Ratio Lower Upper
240 100
120 9.5 8.9 13.3
236 26.6 20.8 31.2





#78

Pyrene

Concen: 7.074 ng

RT: 12.798 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF128721.D

Acq: 07 Jun 2022 17:47

Instrument :

BNA_F

ClientSampleId :

WC-14B-10-GR

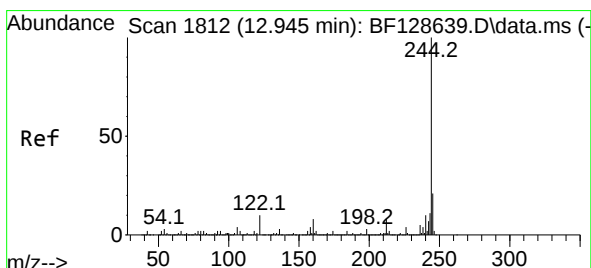
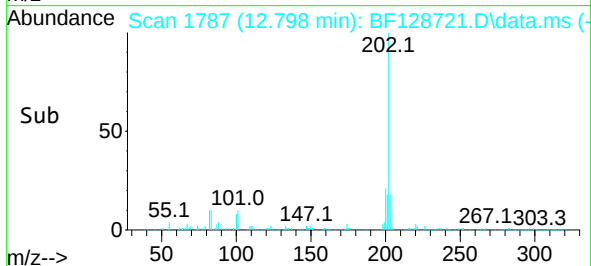
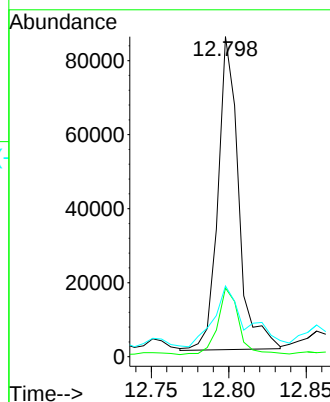
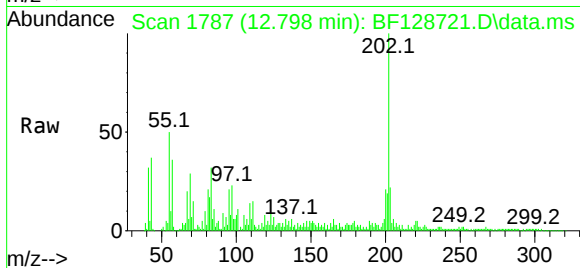
Tgt Ion:	202	Resp:	78260
Ion Ratio	Lower	Upper	
202	100		
200	21.5	17.7	26.5
203	22.1	14.6	21.8

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 06/08/2022

Supervised By :Jagrut Upadhyay 06/08/2022



#79

Terphenyl-d14

Concen: 60.902 ng

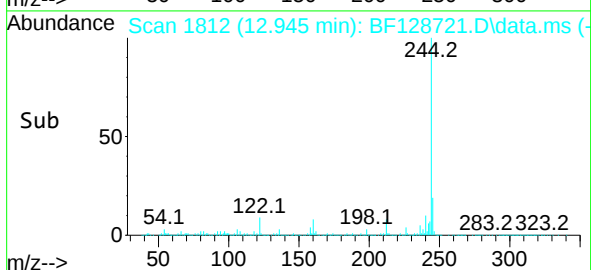
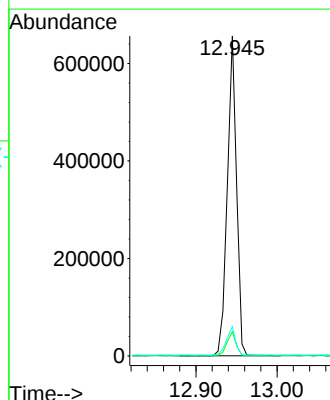
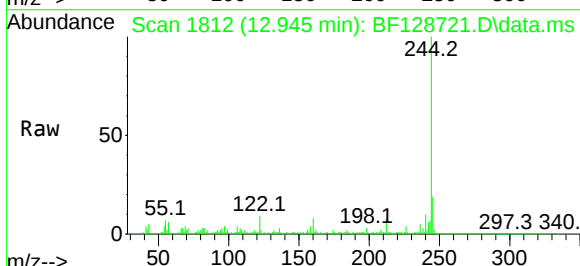
RT: 12.945 min Scan# 1812

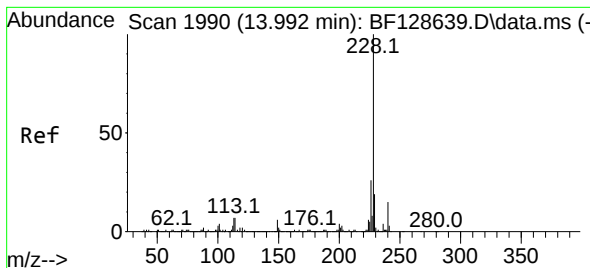
Delta R.T. -0.000 min

Lab File: BF128721.D

Acq: 07 Jun 2022 17:47

Tgt Ion:	244	Resp:	521152
Ion Ratio	Lower	Upper	
244	100		
212	7.6	6.1	9.1
122	9.2	8.8	13.2





#81

Benzo(a)anthracene

Concen: 6.046 ng

RT: 13.992 min Scan# 1990

Delta R.T. -0.000 min

Lab File: BF128721.D

Acq: 07 Jun 2022 17:47

Instrument :

BNA_F

ClientSampleId :

WC-14B-10-GR

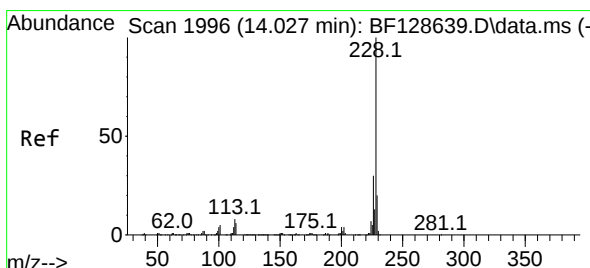
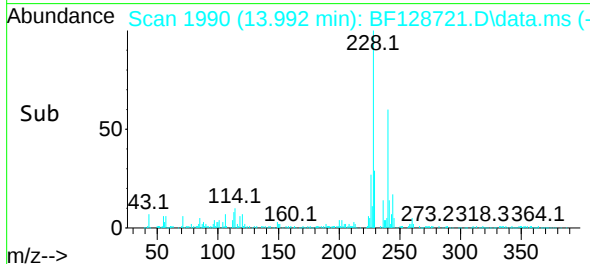
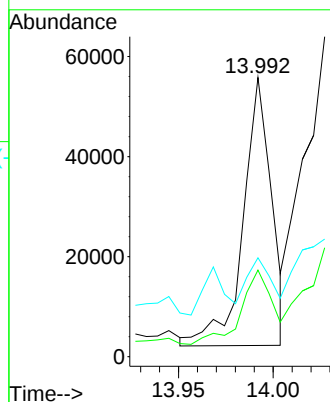
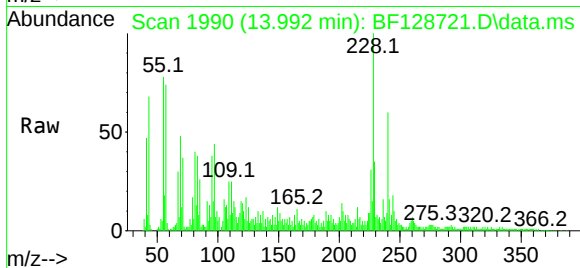
Tgt Ion:228 Resp: 56040

Ion	Ratio	Lower	Upper
228	100		
226	31.0	22.1	33.1
229	35.4	15.8	23.8

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 06/08/2022
Supervised By :Jagrut Upadhyay 06/08/2022



#83

Chrysene

Concen: 9.164 ng

RT: 14.027 min Scan# 1996

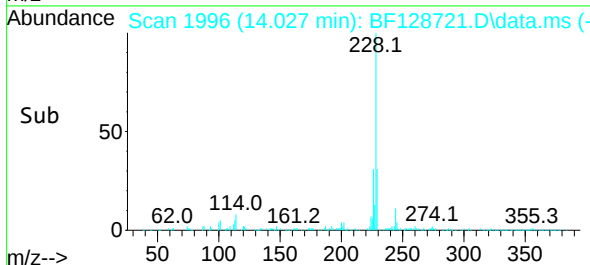
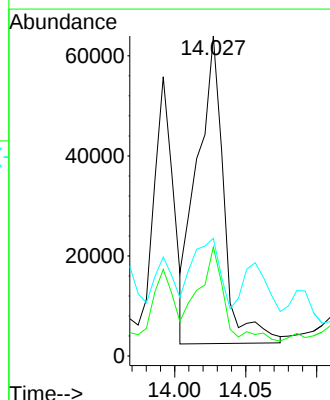
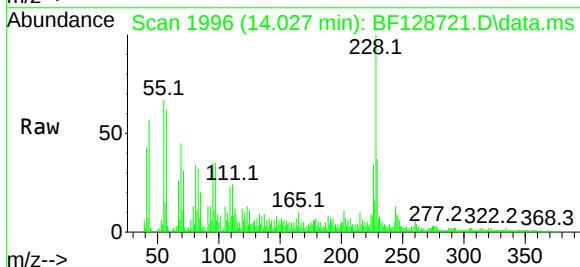
Delta R.T. -0.000 min

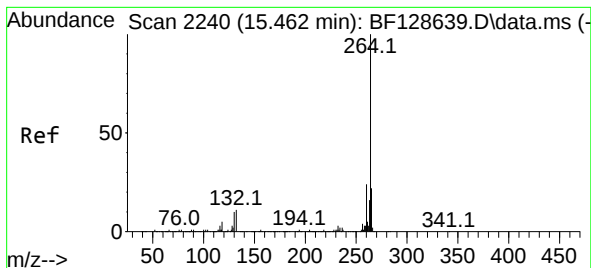
Lab File: BF128721.D

Acq: 07 Jun 2022 17:47

Tgt Ion:228 Resp: 80978

Ion	Ratio	Lower	Upper
228	100		
226	34.1	24.3	36.5
229	36.8	15.9	23.9





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.480 min Scan# 21

Delta R.T. 0.018 min

Lab File: BF128721.D

Acq: 07 Jun 2022 17:47

Instrument :

BNA_F

ClientSampleId :

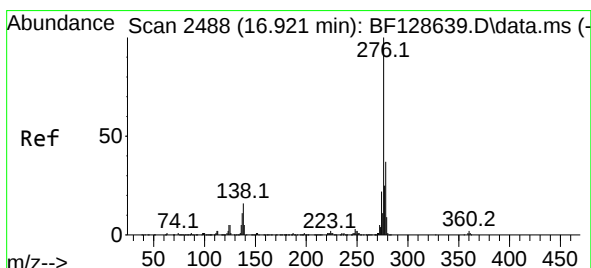
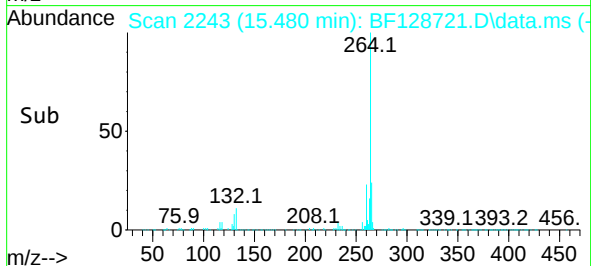
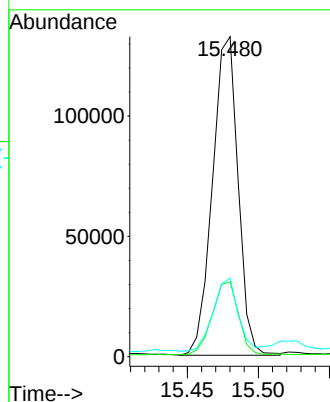
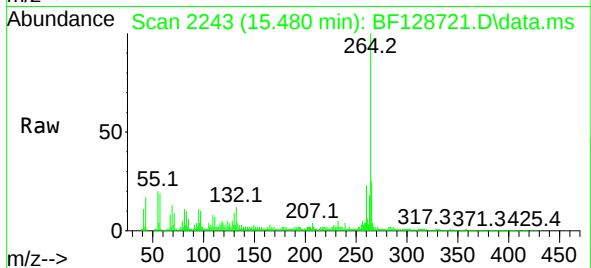
WC-14B-10-GR

Tgt Ion:264 Resp: 165409
 Ion Ratio Lower Upper
 264 100
 260 23.4 18.4 27.6
 265 24.5 17.2 25.8

Manual Integrations

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Reviewed By :Christian Giraldo 06/08/2022
 Supervised By :Jagrut Upadhyay 06/08/2022



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.763 ng

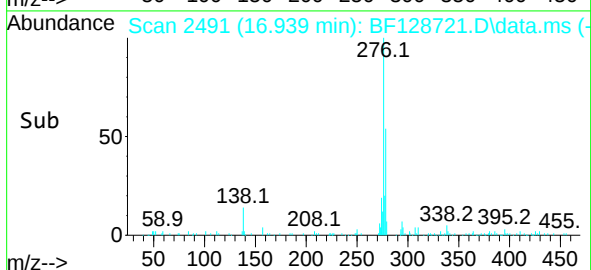
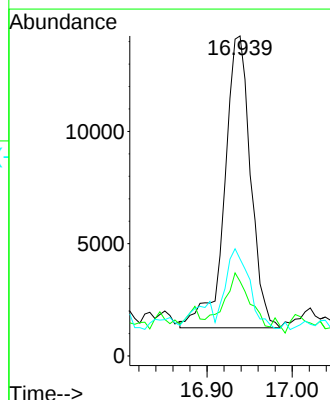
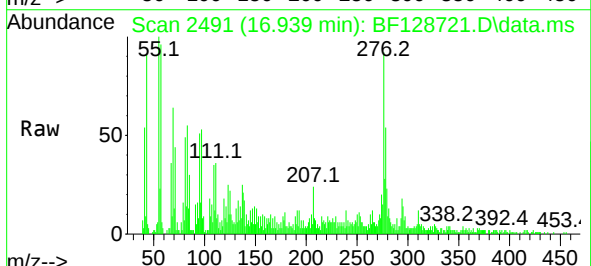
RT: 16.939 min Scan# 2491

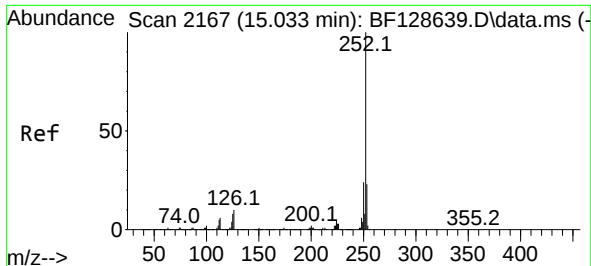
Delta R.T. 0.018 min

Lab File: BF128721.D

Acq: 07 Jun 2022 17:47

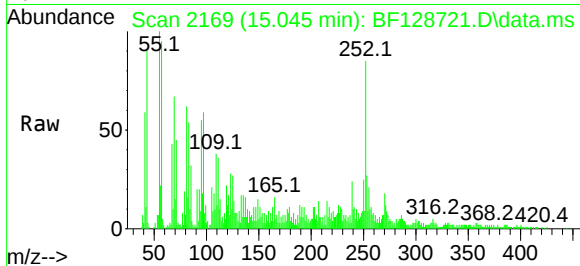
Tgt Ion:276 Resp: 27551
 Ion Ratio Lower Upper
 276 100
 138 16.8 21.1 31.7#
 277 24.7 20.3 30.5





#88
Benzo(b)fluoranthene
Concen: 3.456 ng m
RT: 15.045 min Scan# 2167
Delta R.T. 0.012 min
Lab File: BF128721.D
Acq: 07 Jun 2022 17:47

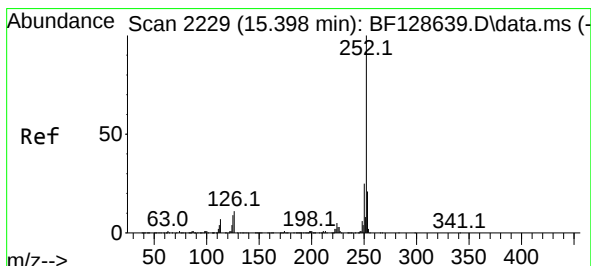
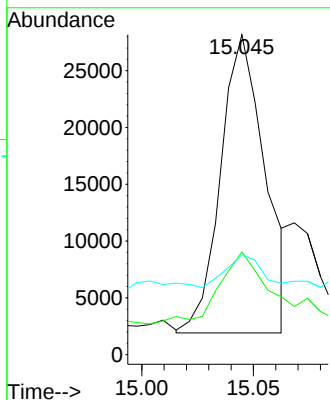
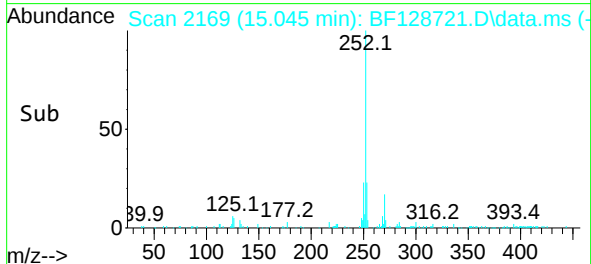
Instrument :
BNA_F
ClientSampleId :
WC-14B-10-GR



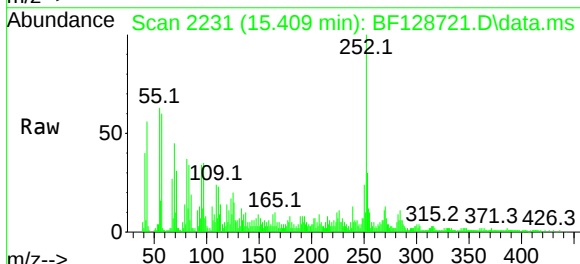
Tgt Ion:252 Resp: 3653
Ion Ratio Lower Upper
252 100
253 32.1 17.7 26.5
125 31.3 8.0 12.0

Manual Integrations
APPROVED

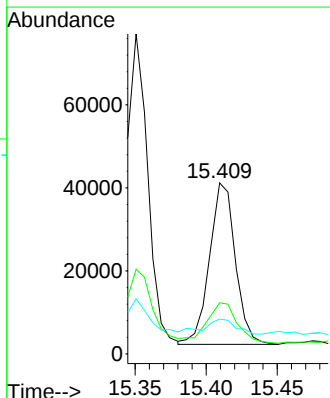
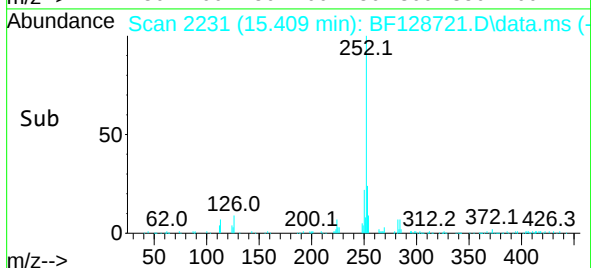
Reviewed By :Christian Giraldo 06/08/2022
Supervised By :Jagrut Upadhyay 06/08/2022

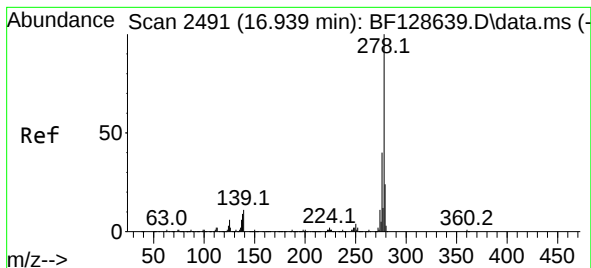


#90
Benzo(a)pyrene
Concen: 5.936 ng
RT: 15.409 min Scan# 2231
Delta R.T. 0.012 min
Lab File: BF128721.D
Acq: 07 Jun 2022 17:47



Tgt Ion:252 Resp: 49315
Ion Ratio Lower Upper
252 100
253 30.0 17.0 25.6#
125 20.3 8.8 13.2#





#91

Dibenzo(a,h)anthracene

Concen: 2.272 ng

RT: 16.951 min Scan# 2491

Delta R.T. 0.012 min

Lab File: BF128721.D

Acq: 07 Jun 2022 17:47

Instrument :

BNA_F

ClientSampleId :

WC-14B-10-GR

Tgt Ion: 278 Resp: 1878

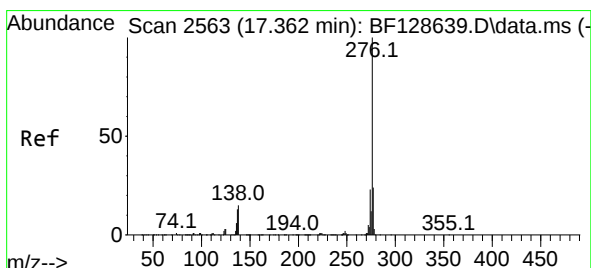
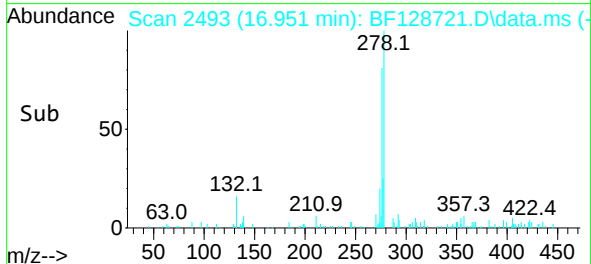
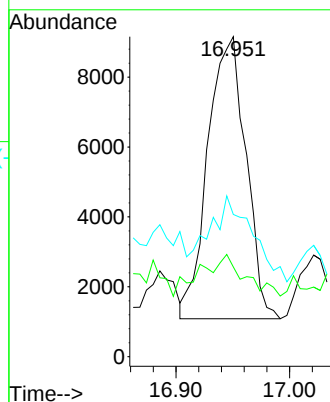
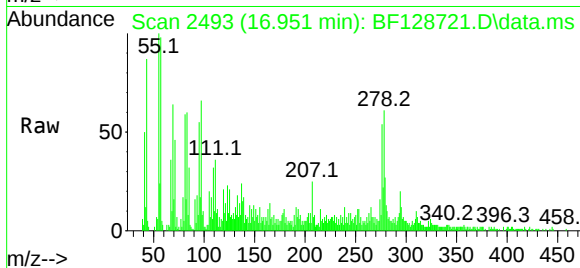
Ion	Ratio	Lower	Upper
278	100		
139	28.1	12.8	19.2
279	44.4	18.6	28.0

Manual Integrations

APPROVED

Reviewed By : Christian Giraldo 06/08/2022

Supervised By : Jagrut Upadhyay 06/08/2022



#92

Benzo(g,h,i)perylene

Concen: 6.902 ng

RT: 17.380 min Scan# 2566

Delta R.T. 0.018 min

Lab File: BF128721.D

Acq: 07 Jun 2022 17:47

Tgt Ion: 276 Resp: 56572

Ion	Ratio	Lower	Upper
276	100		
277	27.8	19.1	28.7
138	20.1	18.0	27.0

