

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060822\
 Data File : BF128731.D
 Acq On : 08 Jun 2022 13:01
 Operator : CG\JU
 Sample : N3197-01DL 20X
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SU-3-060322DL

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 06/09/2022
 Supervised By : Jagrut Upadhyay 06/09/2022

Quant Time: Jun 08 14:30:27 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060222.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 08 14:28:39 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.810	152	77942	20.000	ng	0.00
21) Naphthalene-d8	8.092	136	226764	20.000	ng	0.00
39) Acenaphthene-d10	9.851	164	105609	20.000	ng	0.00
64) Phenanthrene-d10	11.333	188	172851	20.000	ng	0.00
76) Chrysene-d12	13.986	240	182553	20.000	ng	# 0.00
86) Perylene-d12	15.451	264	189544	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.463	112	40778	8.333	ng	0.00
7) Phenol-d6	6.481	99	49265	8.248	ng	0.00
23) Nitrobenzene-d5	0.000	82	0d	0.000	ng	
42) 2,4,6-Tribromophenol	10.639	330	7920	6.347	ng	-0.01
45) 2-Fluorobiphenyl	9.169	172	48167	6.389	ng	0.00
79) Terphenyl-d14	12.921	244	46991	4.473	ng	-0.01
Target Compounds						Qvalue
52) Acenaphthene	9.880	154	25430	4.219	ng	98
55) Dibenzofuran	10.051	168	19179	2.214	ng	# 89
58) Fluorene	10.398	166	32272	4.803	ng	100
71) Phenanthrene	11.363	178	356479	41.117	ng	98
72) Anthracene	11.410	178	132738	15.468	ng	100
75) Fluoranthene	12.557	202	947056	104.502	ng	98
78) Pyrene	12.786	202	835559	61.520	ng	99
81) Benzo(a)anthracene	13.974	228	522206	45.891	ng	99
83) Chrysene	14.010	228	390736	36.017	ng	97
87) Indeno(1,2,3-cd)pyrene	16.904	276	229240	20.066	ng	# 87
88) Benzo(b)fluoranthene	15.027	252	625184m	51.619	ng	
89) Benzo(k)fluoranthene	15.051	252	159932m	14.037	ng	
90) Benzo(a)pyrene	15.392	252	440935m	46.320	ng	
91) Dibenzo(a,h)anthracene	16.909	278	52132	5.501	ng	93
92) Benzo(g,h,i)perylene	17.345	276	201208	21.424	ng	# 91

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

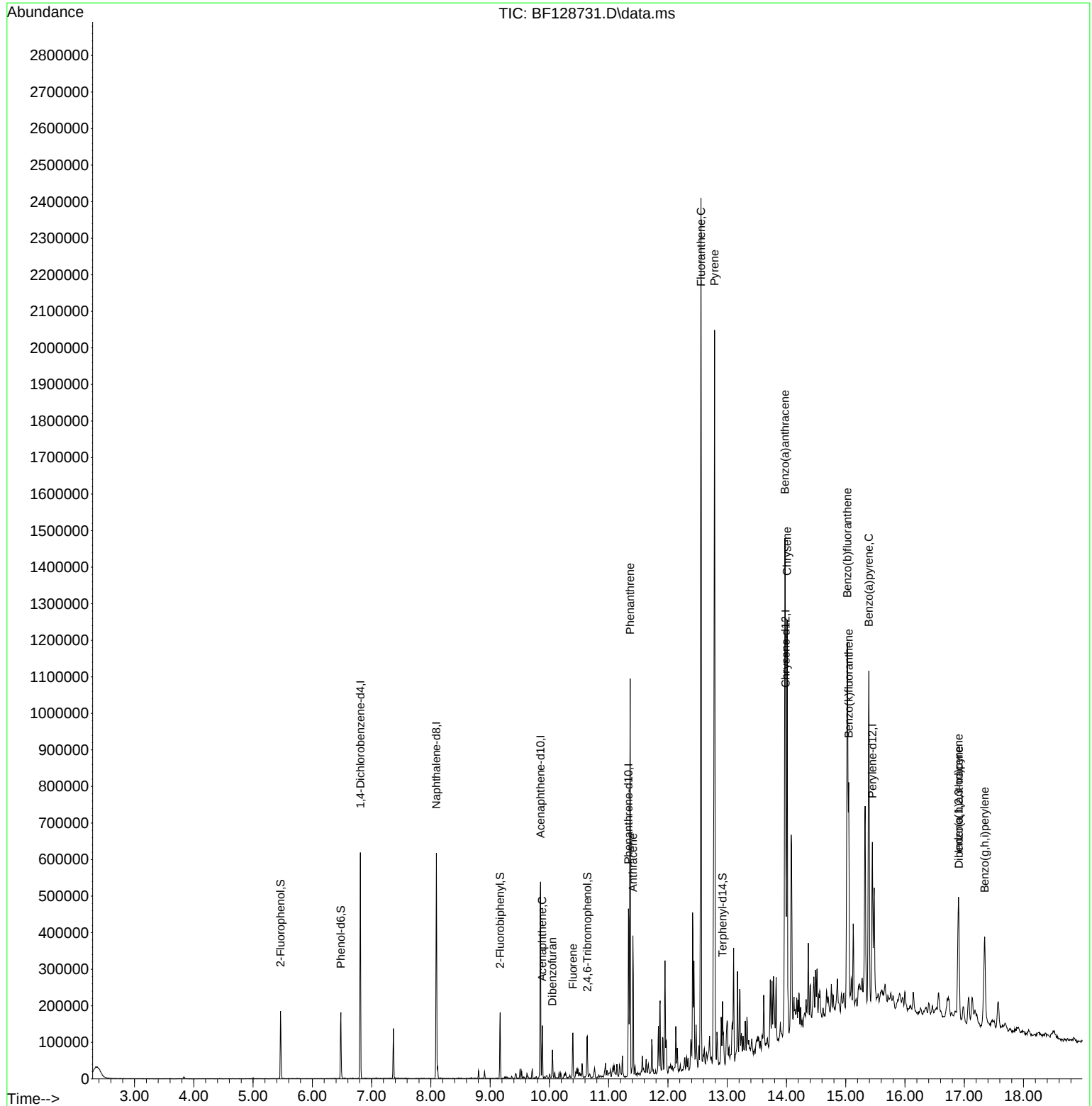
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060822\
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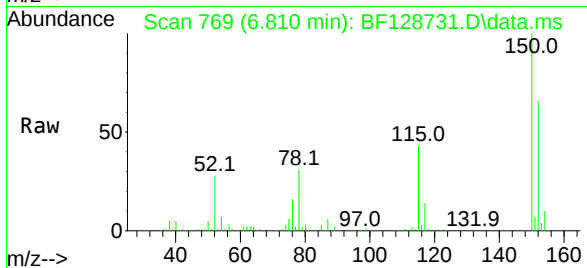
Reviewed By : Christian Giraldo 06/09/2022
Supervised By : Jagrut Upadhyay 06/09/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.810 min Scan# 772
Delta R.T. 0.000 min
Lab File: BF128731.D
Acq: 08 Jun 2022 13:01

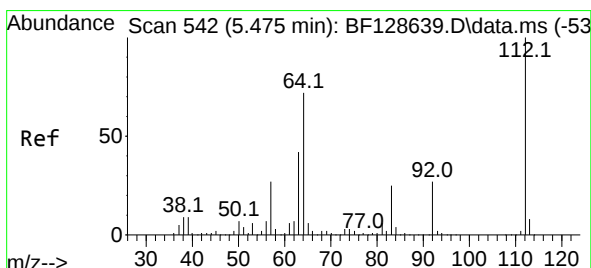
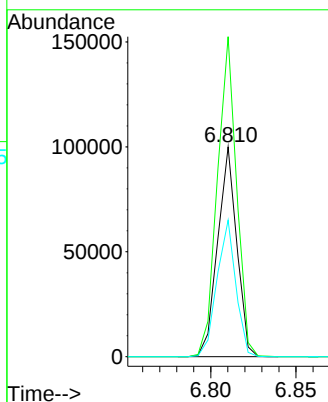
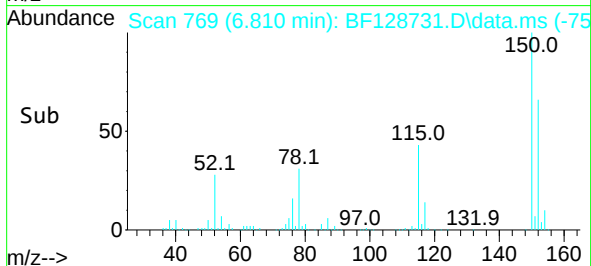
Instrument :
BNA_F
ClientSampleId :
SU-3-060322DL



Tgt Ion:152 Resp: 7794
Ion Ratio Lower Upper
152 100
150 152.6 123.7 185.5
115 65.0 49.9 74.9

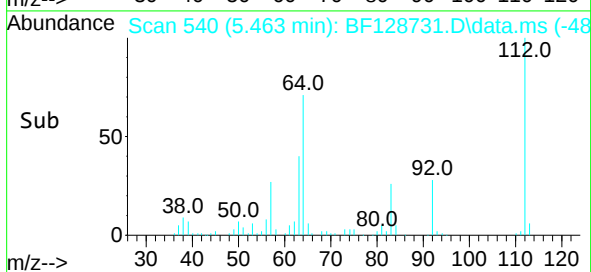
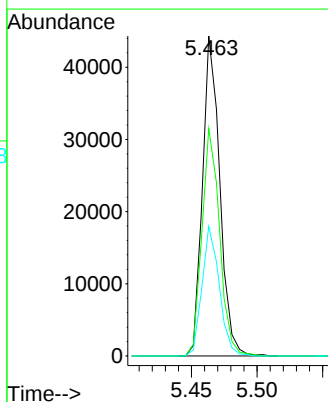
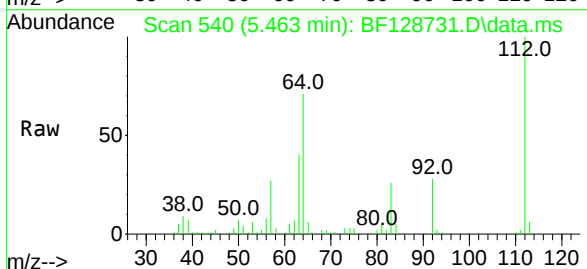
Manual Integrations
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Reviewed By :Christian Giraldo 06/09/2022
Supervised By :Jagrut Upadhyay 06/09/2022



#5
2-Fluorophenol
Concen: 8.333 ng
RT: 5.463 min Scan# 540
Delta R.T. 0.006 min
Lab File: BF128731.D
Acq: 08 Jun 2022 13:01

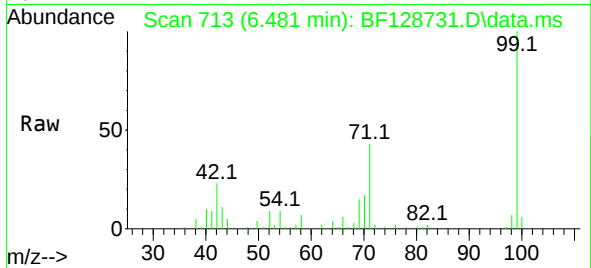
Tgt Ion:112 Resp: 40778
Ion Ratio Lower Upper
112 100
64 71.0 53.3 79.9
63 40.5 28.0 42.0





#7
Phenol-d6
Concen: 8.248 ng
RT: 6.481 min Scan# 716
Delta R.T. -0.000 min
Lab File: BF128731.D
Acq: 08 Jun 2022 13:01

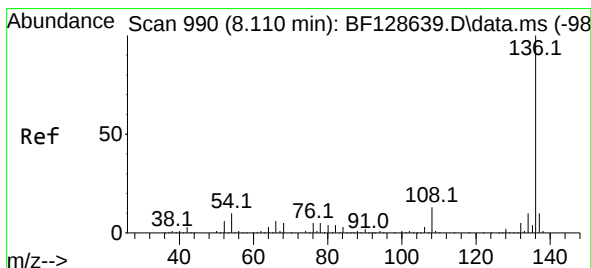
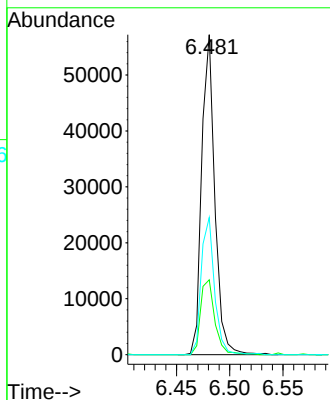
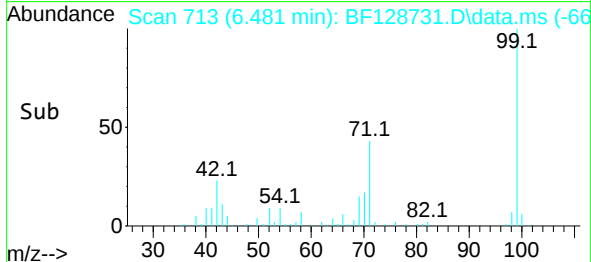
Instrument :
BNA_F
ClientSampleId :
SU-3-060322DL



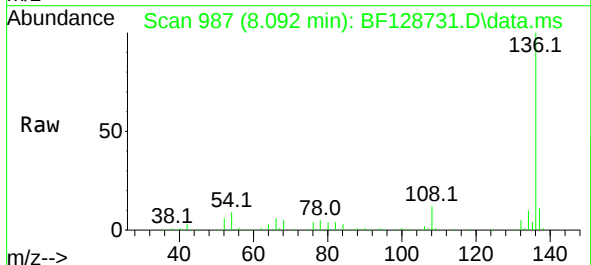
Tgt Ion: 99 Resp: 4926
Ion Ratio Lower Upper
99 100
42 23.4 17.3 25.9
71 42.8 28.9 43.3

Manual Integrations
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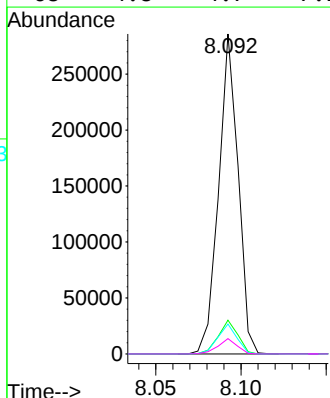
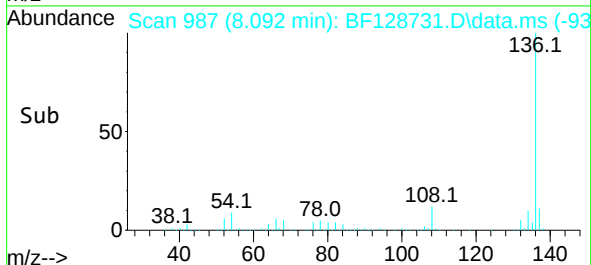
Reviewed By :Christian Giraldo 06/09/2022
Supervised By :Jagrut Upadhyay 06/09/2022

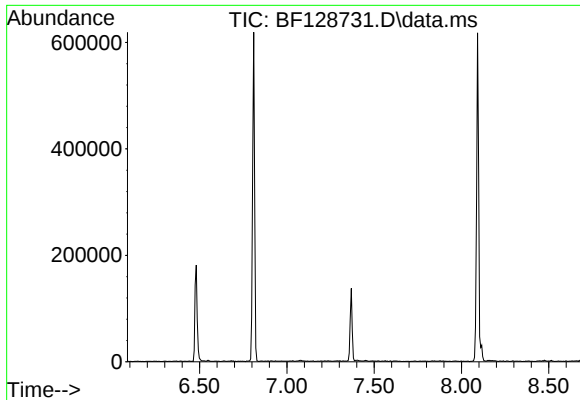


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.092 min Scan# 987
Delta R.T. -0.006 min
Lab File: BF128731.D
Acq: 08 Jun 2022 13:01



Tgt Ion:136 Resp: 226764
Ion Ratio Lower Upper
136 100
137 10.6 8.8 13.2
54 9.4 7.5 11.3
68 4.8 4.7 7.1





#23
 Nitrobenzene-d5
 Concen: 0.000 ng
 Expected RT: 7.38 min
 Lab File: BF128731.D
 Acq: 08 Jun 2022 13:01

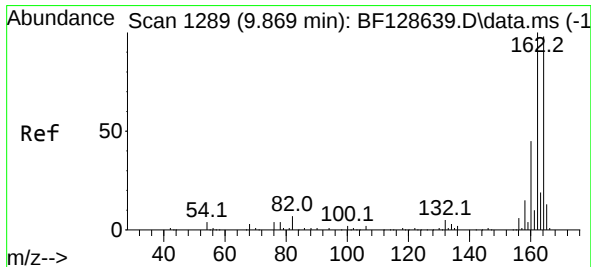
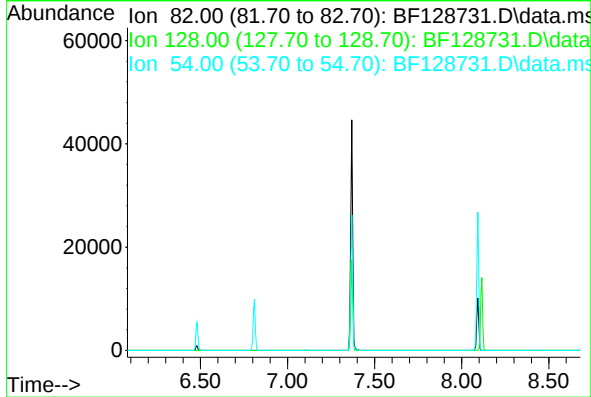
Instrument :
 BNA_F
 ClientSampleId :
 SU-3-060322DL

Tgt Ion: 82

Sig	Exp	Ratio
82	100	
128	42.5	
54	58.6	

Manual Integrations
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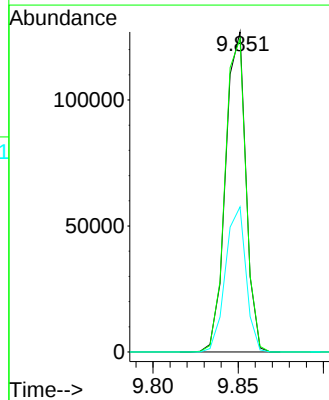
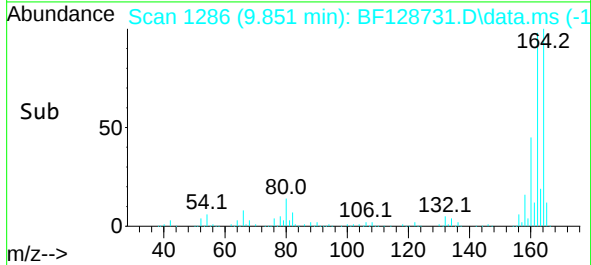
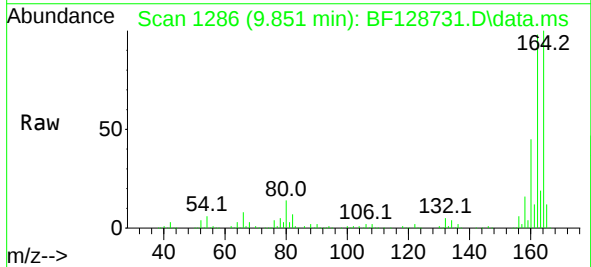
Reviewed By :Christian Giraldo 06/09/2022
 Supervised By :Jagrut Upadhyay 06/09/2022



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.851 min Scan# 1286
 Delta R.T. -0.006 min
 Lab File: BF128731.D
 Acq: 08 Jun 2022 13:01

Tgt Ion:164 Resp: 105609

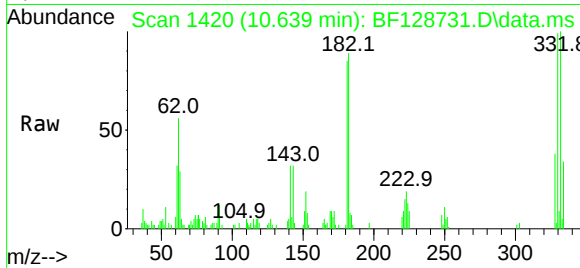
Ion	Ratio	Lower	Upper
164	100		
162	97.9	79.5	119.3
160	45.3	34.2	51.4





#42
2,4,6-Tribromophenol
Concen: 6.347 ng
RT: 10.639 min Scan# 1424
Delta R.T. -0.012 min
Lab File: BF128731.D
Acq: 08 Jun 2022 13:01

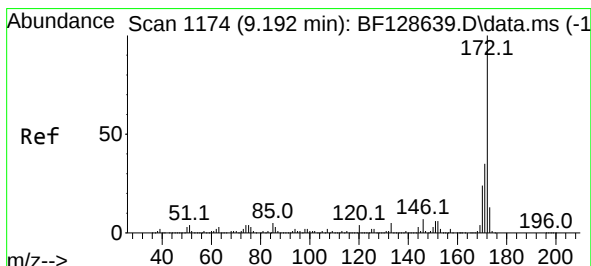
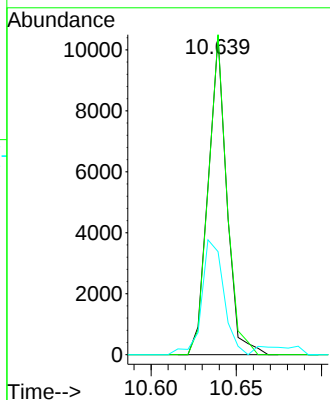
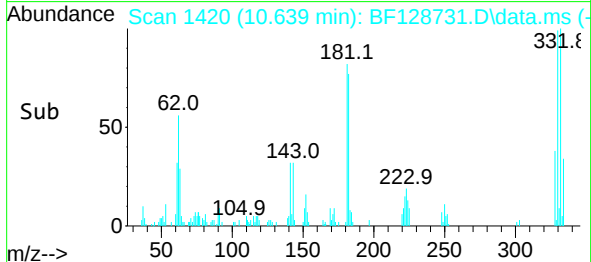
Instrument :
BNA_F
ClientSampleId :
SU-3-060322DL



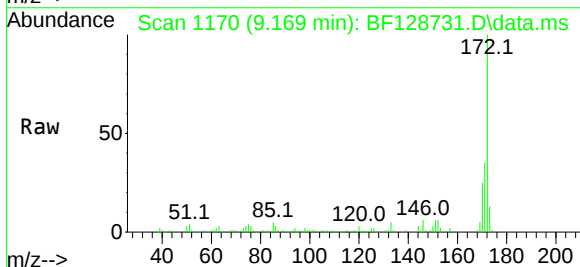
Tgt Ion: 330 Resp: 7920
Ion Ratio Lower Upper
330 100
332 100.0 76.8 115.2
141 42.6 28.0 42.0

Manual Integrations
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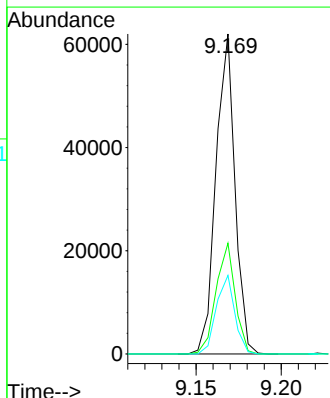
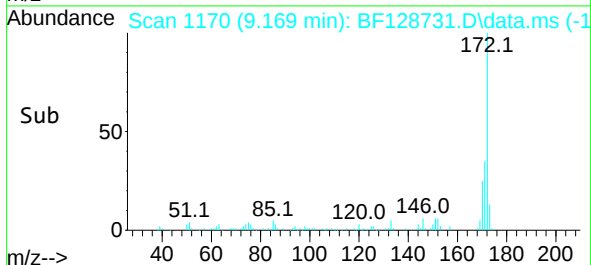
Reviewed By : Christian Giraldo 06/09/2022
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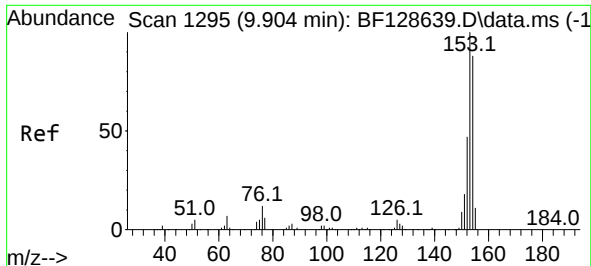


#45
2-Fluorobiphenyl
Concen: 6.389 ng
RT: 9.169 min Scan# 1170
Delta R.T. -0.006 min
Lab File: BF128731.D
Acq: 08 Jun 2022 13:01



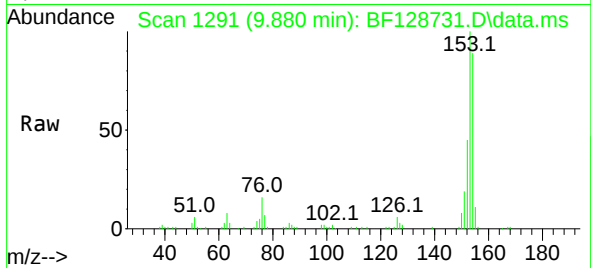
Tgt Ion: 172 Resp: 48167
Ion Ratio Lower Upper
172 100
171 34.6 28.8 43.2
170 24.6 19.8 29.8





#52
Acenaphthene
Concen: 4.219 ng
RT: 9.880 min Scan# 1295
Delta R.T. -0.012 min
Lab File: BF128731.D
Acq: 08 Jun 2022 13:01

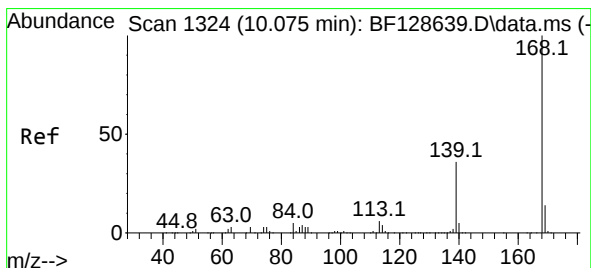
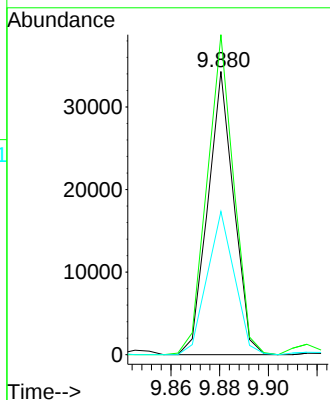
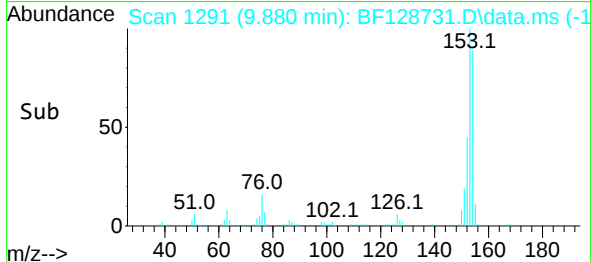
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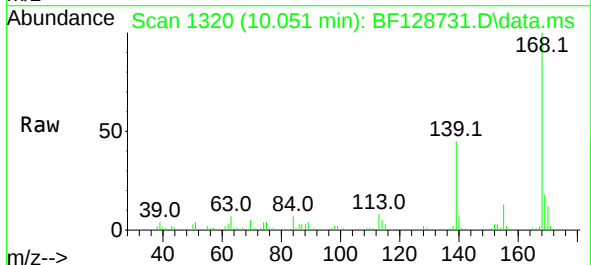
Tgt Ion:154 Resp: 25430
Ion Ratio Lower Upper
154 100
153 113.0 89.6 134.4
152 50.6 42.4 63.6

Manual Integrations
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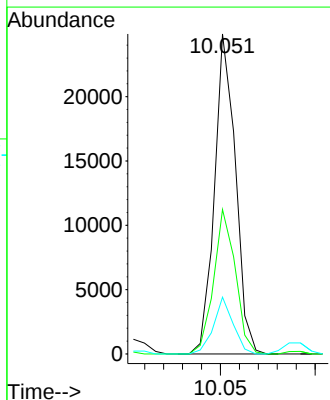
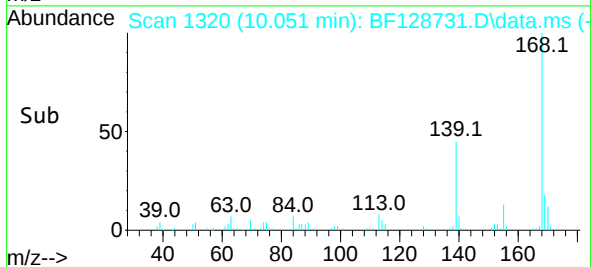
Reviewed By :Christian Giraldo 06/09/2022
Supervised By :Jagrut Upadhyay 06/09/2022

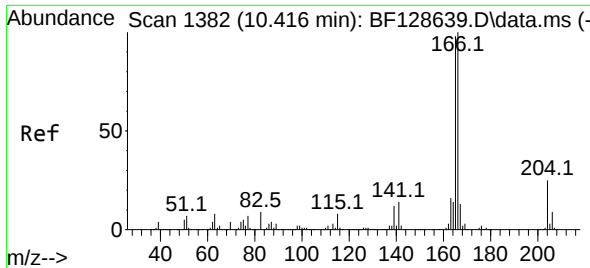


#55
Dibenzofuran
Concen: 2.214 ng
RT: 10.051 min Scan# 1320
Delta R.T. -0.012 min
Lab File: BF128731.D
Acq: 08 Jun 2022 13:01



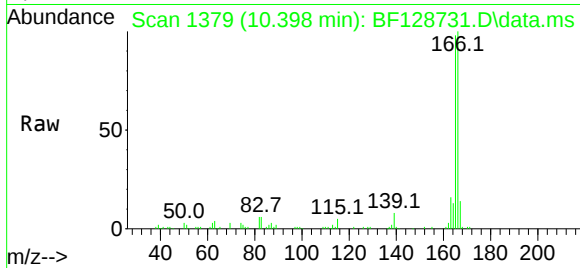
Tgt Ion:168 Resp: 19179
Ion Ratio Lower Upper
168 100
139 45.2 30.6 46.0
169 17.7 11.0 16.6





#58
Fluorene
Concen: 4.803 ng
RT: 10.398 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF128731.D
Acq: 08 Jun 2022 13:01

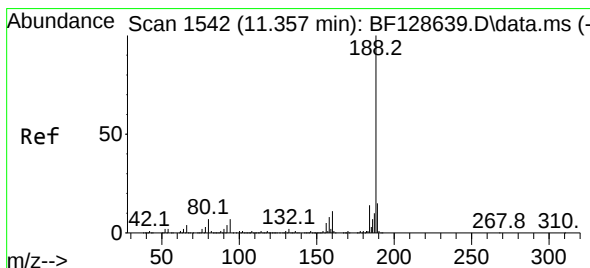
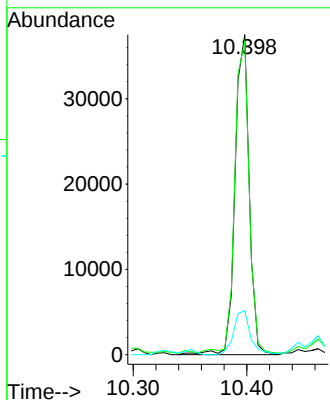
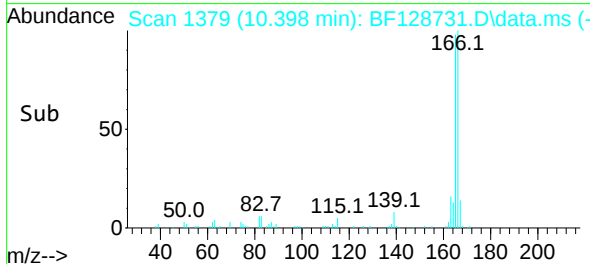
Instrument :
BNA_F
ClientSampleId :
SU-3-060322DL



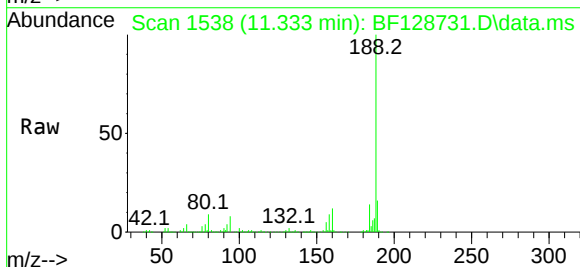
Tgt Ion:166 Resp: 32272
Ion Ratio Lower Upper
166 100
165 97.8 78.1 117.1
167 13.8 10.5 15.7

Manual Integrations
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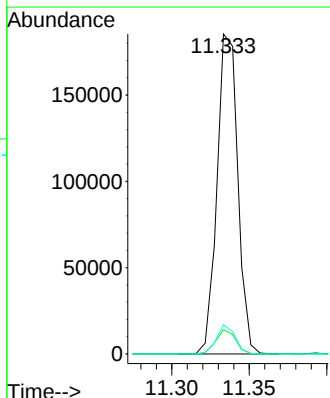
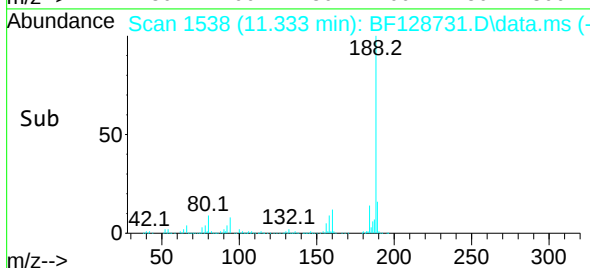
Reviewed By :Christian Giraldo 06/09/2022
Supervised By :Jagrut Upadhyay 06/09/2022

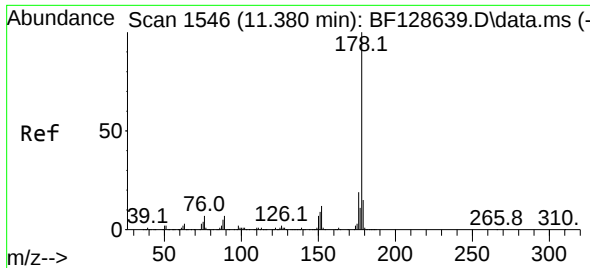


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.333 min Scan# 1538
Delta R.T. -0.006 min
Lab File: BF128731.D
Acq: 08 Jun 2022 13:01



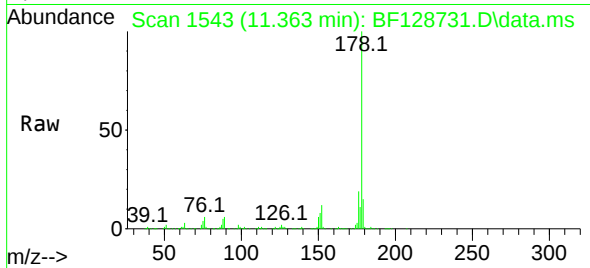
Tgt Ion:188 Resp: 172851
Ion Ratio Lower Upper
188 100
94 7.6 7.0 10.6
80 9.2 7.6 11.4





#71
Phenanthrene
Concen: 41.117 ng
RT: 11.363 min Scan# 1543
Delta R.T. -0.006 min
Lab File: BF128731.D
Acq: 08 Jun 2022 13:01

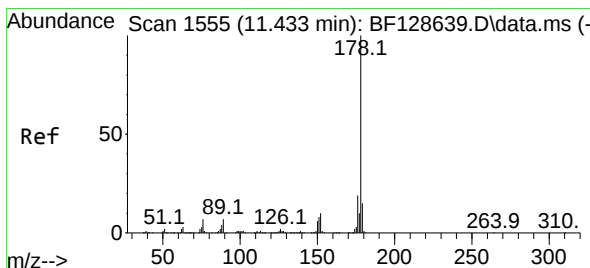
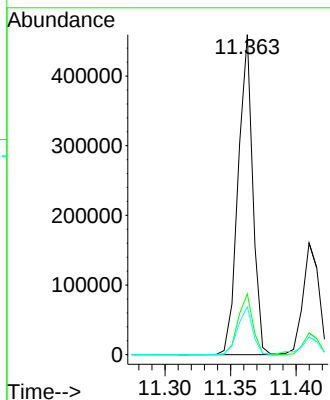
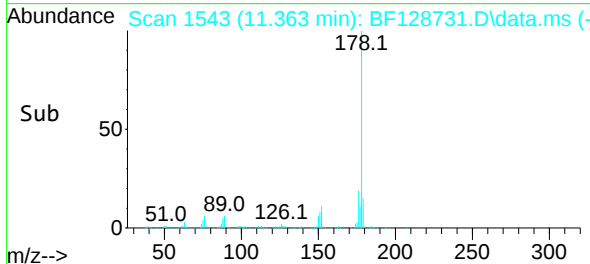
Instrument :
BNA_F
ClientSampleId :
SU-3-060322DL



Tgt Ion:178 Resp: 356479
Ion Ratio Lower Upper
178 100
176 19.0 16.0 24.0
179 14.9 12.6 19.0

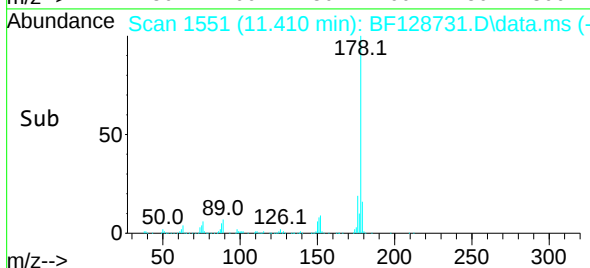
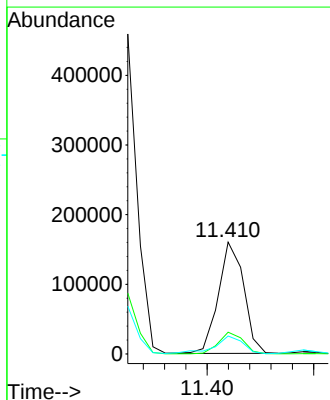
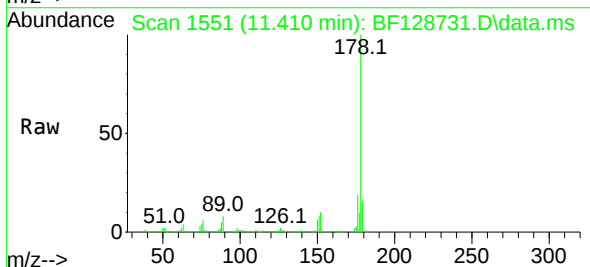
Manual Integrations
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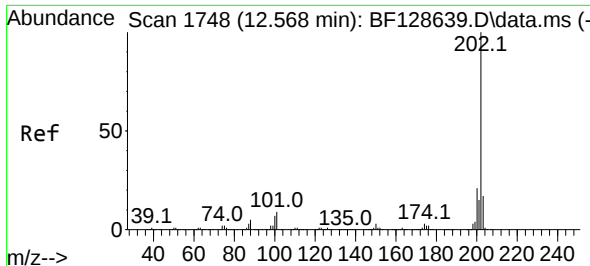
Reviewed By :Christian Giraldo 06/09/2022
Supervised By :Jagrut Upadhyay 06/09/2022



#72
Anthracene
Concen: 15.468 ng
RT: 11.410 min Scan# 1551
Delta R.T. -0.012 min
Lab File: BF128731.D
Acq: 08 Jun 2022 13:01

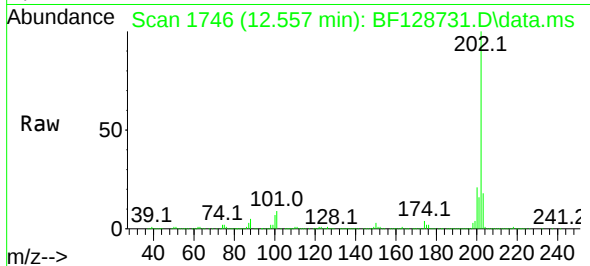
Tgt Ion:178 Resp: 132738
Ion Ratio Lower Upper
178 100
176 19.4 15.4 23.2
179 16.0 12.6 19.0





#75
Fluoranthene
Concen: 104.502 ng
RT: 12.557 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF128731.D
Acq: 08 Jun 2022 13:01

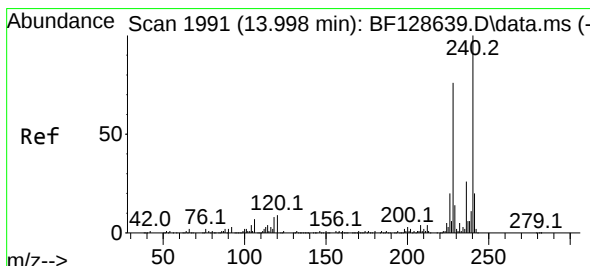
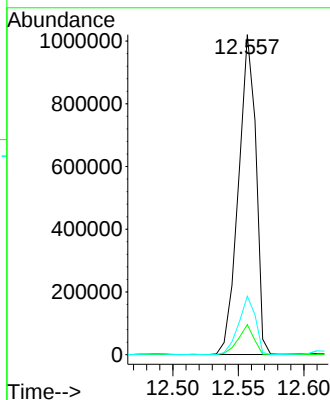
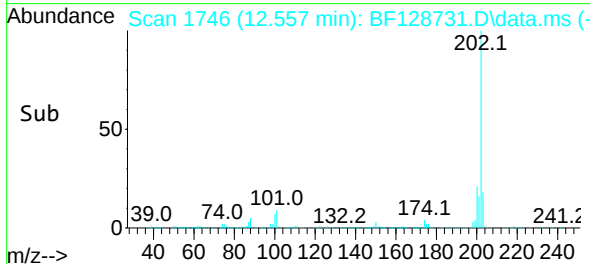
Instrument :
BNA_F
ClientSampleId :
SU-3-060322DL



Tgt Ion:202 Resp: 947050
Ion Ratio Lower Upper
202 100
101 9.4 0.0 31.4
203 18.3 0.0 38.0

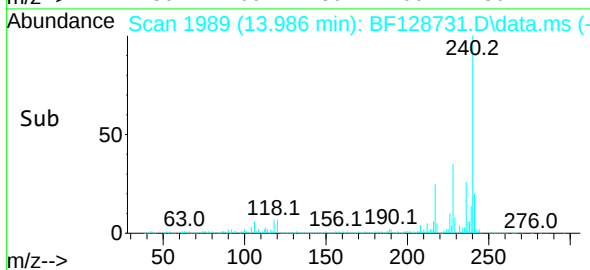
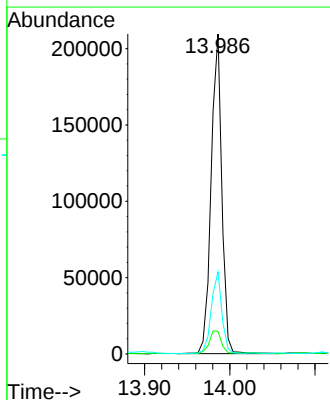
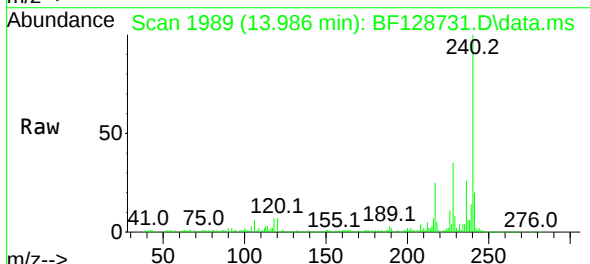
Manual Integrations
APPROVED

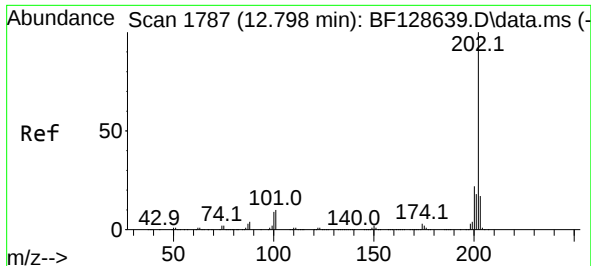
Reviewed By :Christian Giraldo 06/09/2022
Supervised By :Jagrut Upadhyay 06/09/2022



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.986 min Scan# 1989
Delta R.T. -0.000 min
Lab File: BF128731.D
Acq: 08 Jun 2022 13:01

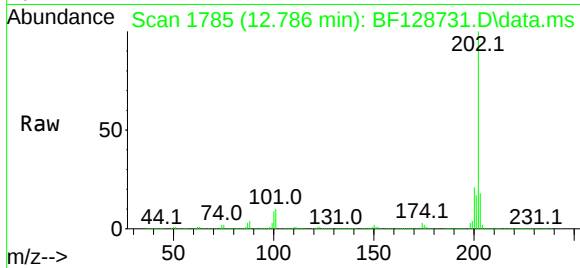
Tgt Ion:240 Resp: 182553
Ion Ratio Lower Upper
240 100
120 7.1 8.9 13.3#
236 25.7 20.8 31.2





#78
Pyrene
Concen: 61.520 ng
RT: 12.786 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF128731.D
Acq: 08 Jun 2022 13:01

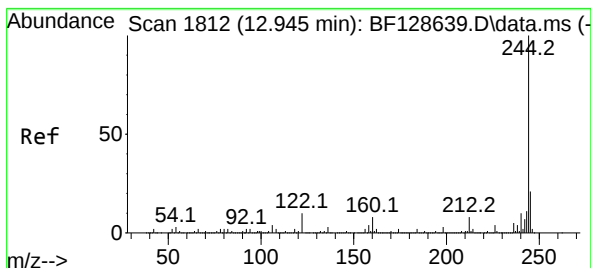
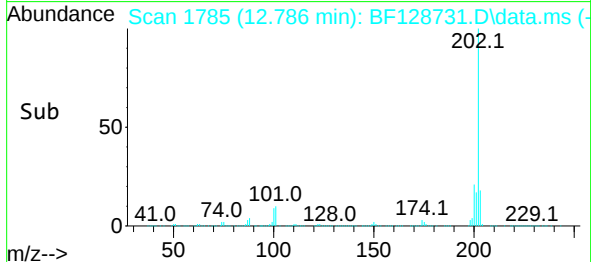
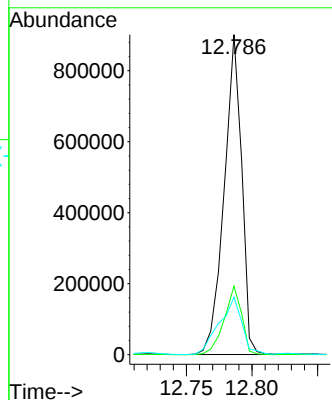
Instrument :
BNA_F
ClientSampleId :
SU-3-060322DL



Tgt Ion:202 Resp: 83555
Ion Ratio Lower Upper
202 100
200 21.4 17.7 26.5
203 18.0 14.6 21.8

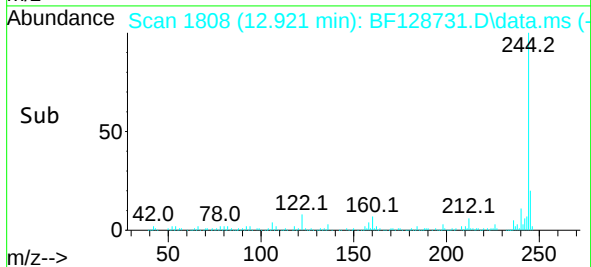
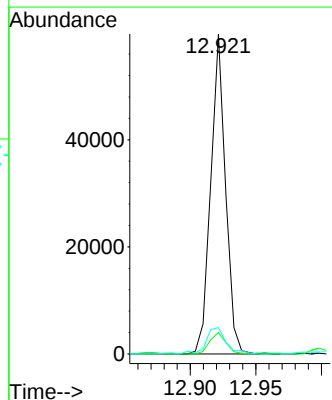
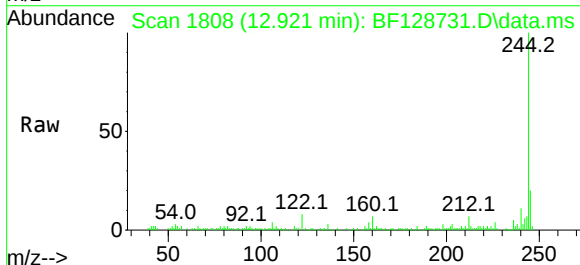
Manual Integrations
APPROVED

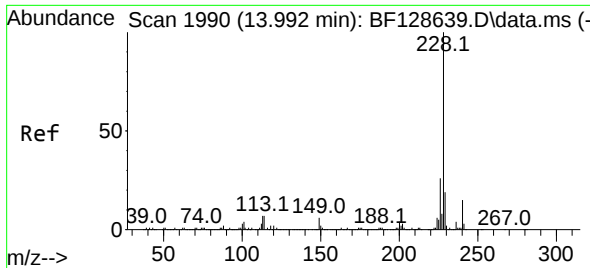
Reviewed By :Christian Giraldo 06/09/2022
Supervised By :Jagrut Upadhyay 06/09/2022



#79
Terphenyl-d14
Concen: 4.473 ng
RT: 12.921 min Scan# 1808
Delta R.T. -0.012 min
Lab File: BF128731.D
Acq: 08 Jun 2022 13:01

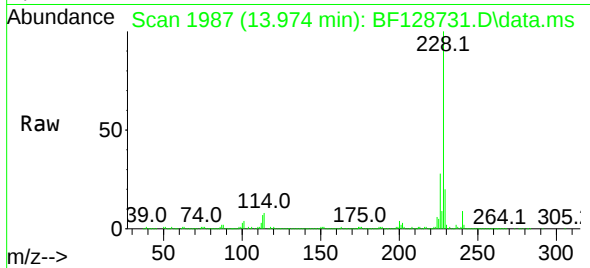
Tgt Ion:244 Resp: 46991
Ion Ratio Lower Upper
244 100
212 6.7 6.1 9.1
122 8.2 8.8 13.2#





#81
Benzo(a)anthracene
Concen: 45.891 ng
RT: 13.974 min Scan# 1987
Delta R.T. -0.000 min
Lab File: BF128731.D
Acq: 08 Jun 2022 13:01

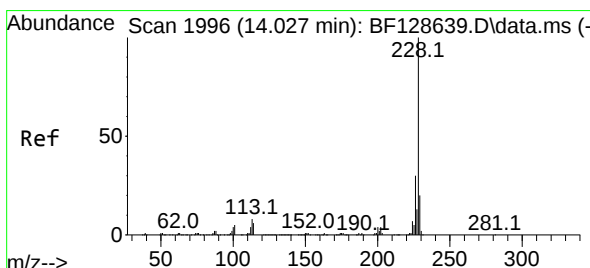
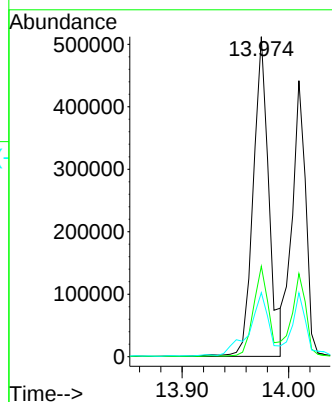
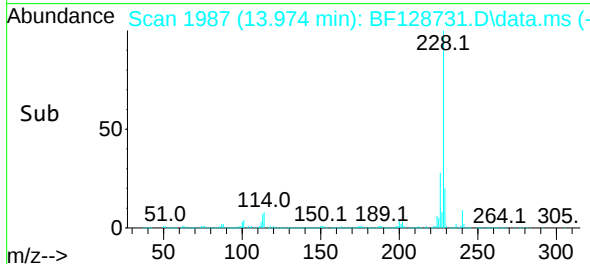
Instrument :
BNA_F
ClientSampleId :
SU-3-060322DL



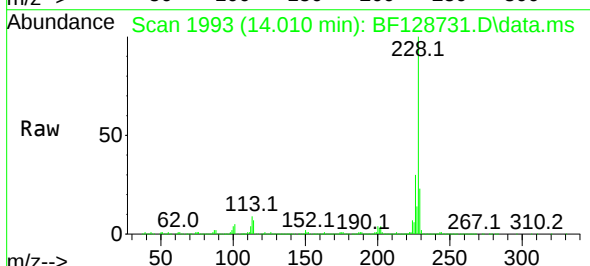
Tgt Ion:228 Resp: 522200
Ion Ratio Lower Upper
228 100
226 28.2 22.1 33.1
229 20.0 15.8 23.8

Manual Integrations
APPROVED

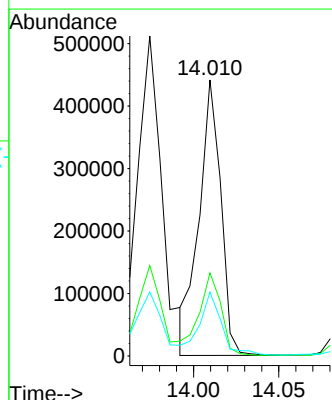
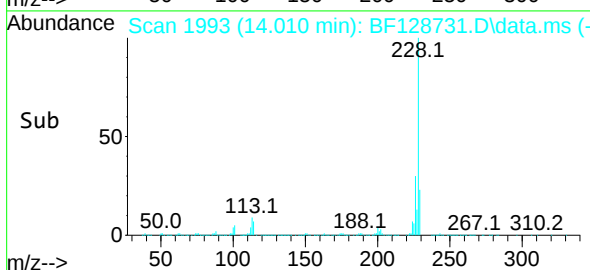
Reviewed By :Christian Giraldo 06/09/2022
Supervised By :Jagrut Upadhyay 06/09/2022

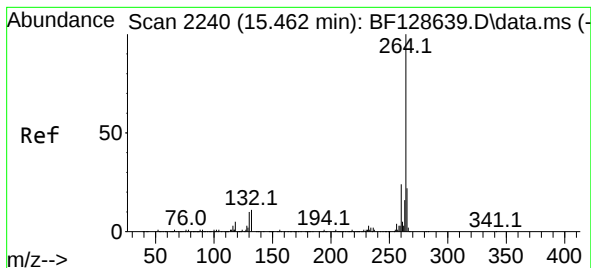


#83
Chrysene
Concen: 36.017 ng
RT: 14.010 min Scan# 1993
Delta R.T. -0.006 min
Lab File: BF128731.D
Acq: 08 Jun 2022 13:01



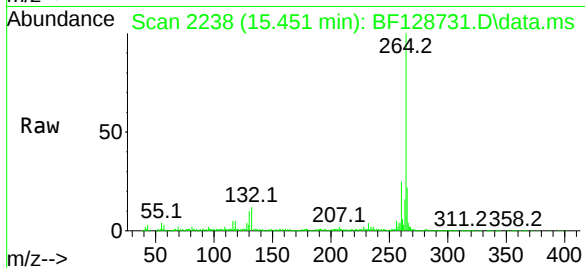
Tgt Ion:228 Resp: 390736
Ion Ratio Lower Upper
228 100
226 30.1 24.3 36.5
229 23.1 15.9 23.9





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.451 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF128731.D
Acq: 08 Jun 2022 13:01

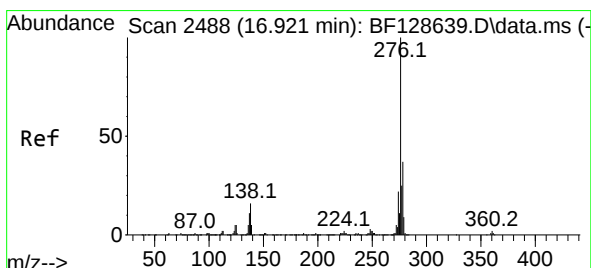
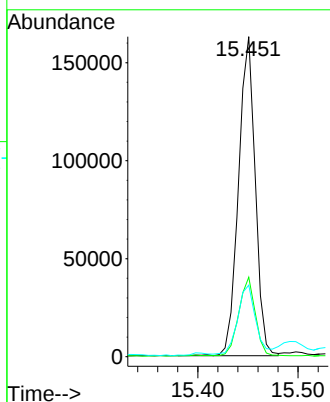
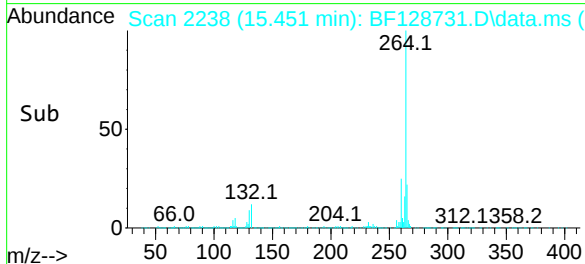
Instrument :
BNA_F
ClientSampleId :
SU-3-060322DL



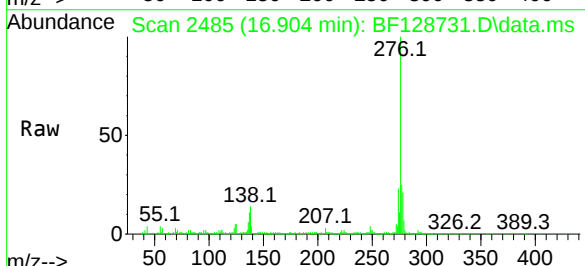
Tgt Ion:264 Resp: 189544
Ion Ratio Lower Upper
264 100
260 24.8 18.4 27.6
265 22.4 17.2 25.8

Manual Integrations
APPROVED

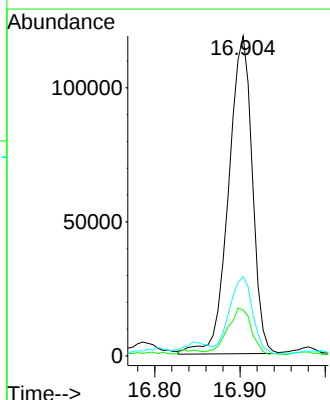
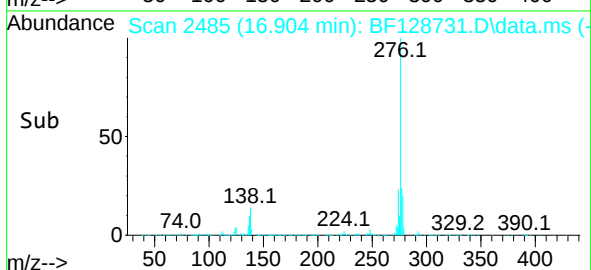
Reviewed By :Christian Giraldo 06/09/2022
Supervised By :Jagrut Upadhyay 06/09/2022

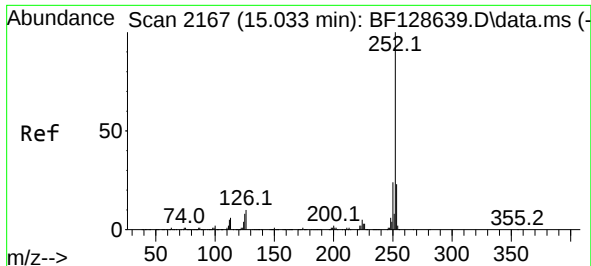


#87
Indeno(1,2,3-cd)pyrene
Concen: 20.066 ng
RT: 16.904 min Scan# 2485
Delta R.T. 0.006 min
Lab File: BF128731.D
Acq: 08 Jun 2022 13:01



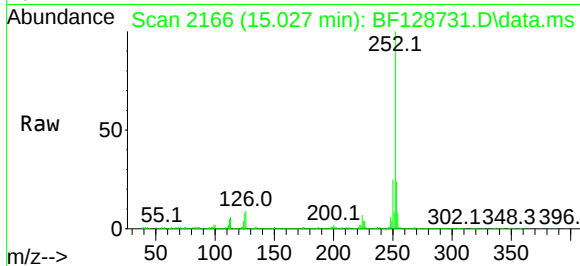
Tgt Ion:276 Resp: 229240
Ion Ratio Lower Upper
276 100
138 15.1 21.1 31.7#
277 23.7 20.3 30.5





#88
Benzo(b)fluoranthene
Concen: 51.619 ng m
RT: 15.027 min Scan# 2167
Delta R.T. 0.006 min
Lab File: BF128731.D
Acq: 08 Jun 2022 13:01

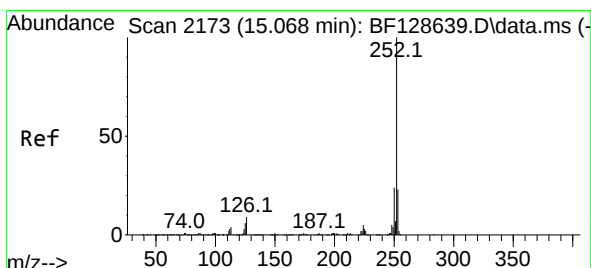
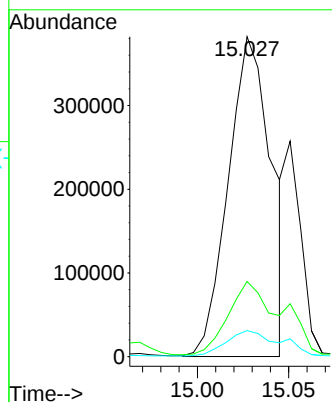
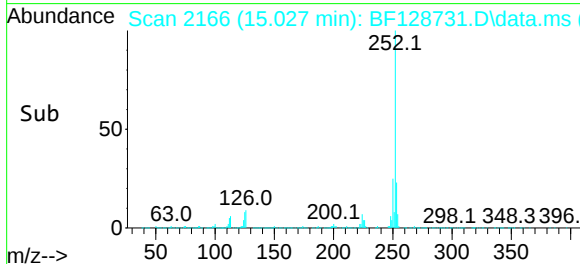
Instrument :
BNA_F
ClientSampleId :
SU-3-060322DL



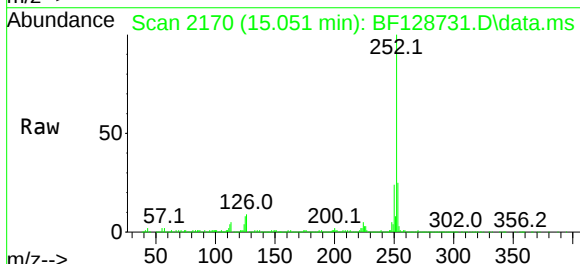
Tgt Ion:252 Resp: 625184
Ion Ratio Lower Upper
252 100
253 23.5 17.7 26.5
125 8.1 8.0 12.0

Manual Integrations
APPROVED

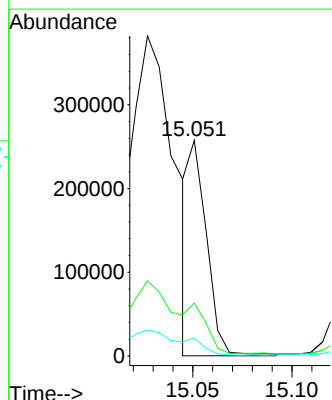
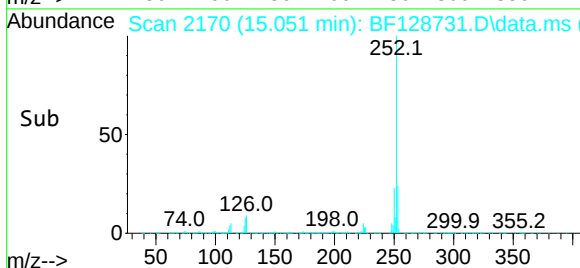
Reviewed By :Christian Giraldo 06/09/2022
Supervised By :Jagrut Upadhyay 06/09/2022

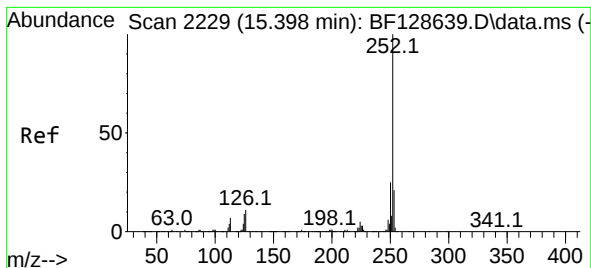


#89
Benzo(k)fluoranthene
Concen: 14.037 ng m
RT: 15.051 min Scan# 2170
Delta R.T. -0.000 min
Lab File: BF128731.D
Acq: 08 Jun 2022 13:01



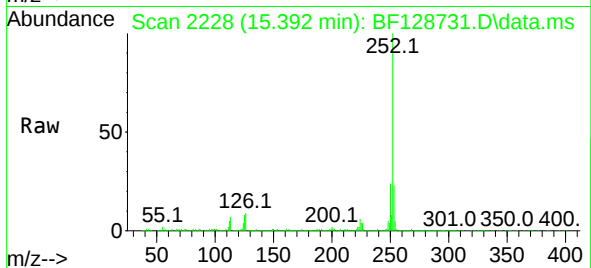
Tgt Ion:252 Resp: 159932
Ion Ratio Lower Upper
252 100
253 24.6 17.8 26.6
125 8.3 8.3 12.5





#90
Benzo(a)pyrene
Concen: 46.320 ng m
RT: 15.392 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF128731.D
Acq: 08 Jun 2022 13:01

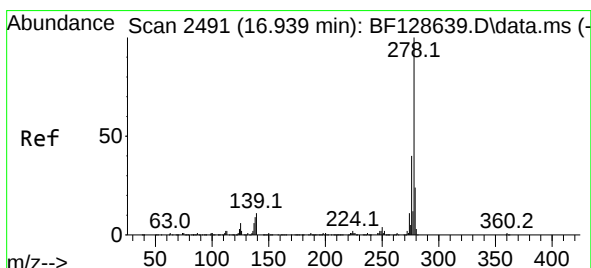
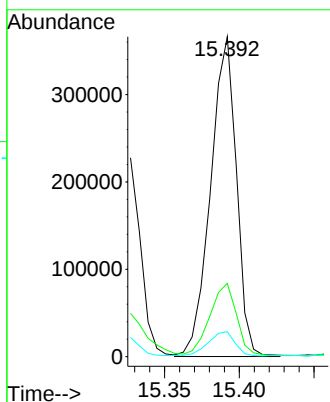
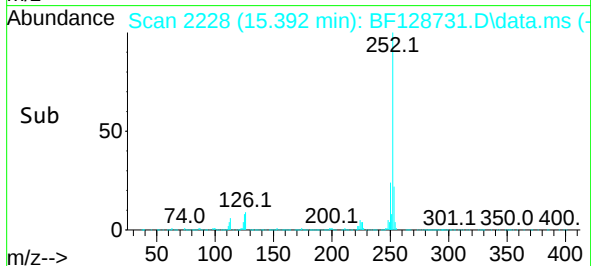
Instrument :
BNA_F
ClientSampleId :
SU-3-060322DL



Tgt Ion:252 Resp: 440935
Ion Ratio Lower Upper
252 100
253 22.9 17.0 25.6
125 7.8 8.8 13.2

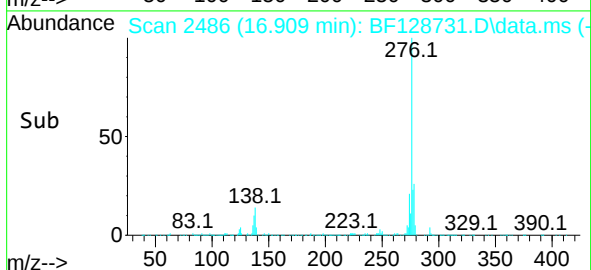
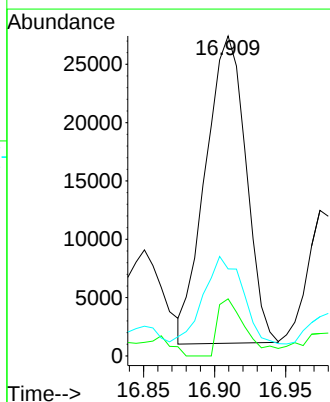
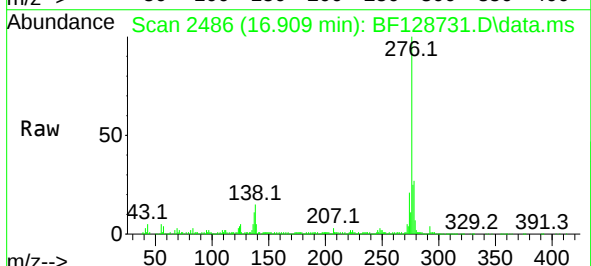
Manual Integrations
APPROVED

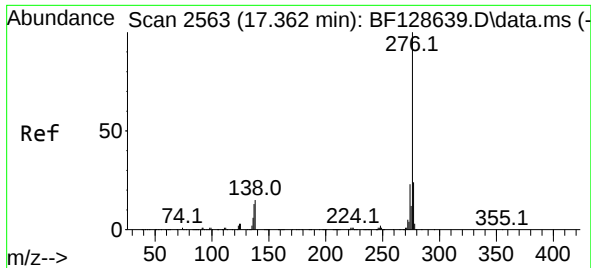
Reviewed By :Christian Giraldo 06/09/2022
Supervised By :Jagrut Upadhyay 06/09/2022



#91
Dibenzo(a,h)anthracene
Concen: 5.501 ng
RT: 16.909 min Scan# 2486
Delta R.T. -0.006 min
Lab File: BF128731.D
Acq: 08 Jun 2022 13:01

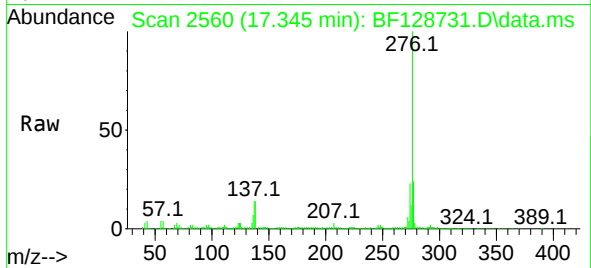
Tgt Ion:278 Resp: 52132
Ion Ratio Lower Upper
278 100
139 17.8 12.8 19.2
279 27.2 18.6 28.0





#92
Benzo(g,h,i)perylene
Concen: 21.424 ng
RT: 17.345 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF128731.D
Acq: 08 Jun 2022 13:01

Instrument :
BNA_F
ClientSampleId :
SU-3-060322DL



Tgt Ion:276 Resp: 201208
Ion Ratio Lower Upper
276 100
277 23.6 19.1 28.7
138 14.1 18.0 27.0

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 06/09/2022
Supervised By :Jagrut Upadhyay 06/09/2022

