

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060622\
 Data File : BF128707.D
 Acq On : 06 Jun 2022 20:27
 Operator : CG\JU
 Sample : N3197-03
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SU-4-060322

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 06/07/2022
 Supervised By : Jagrut Upadhyay 06/07/2022

Quant Time: Jun 07 02:43:45 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	57764	20.000	ng	0.00
21) Naphthalene-d8	8.104	136	188711	20.000	ng	0.00
39) Acenaphthene-d10	9.863	164	88437	20.000	ng	0.00
64) Phenanthrene-d10	11.351	188	164081	20.000	ng	# 0.00
76) Chrysene-d12	14.016	240	150091	20.000	ng	0.02
86) Perylene-d12	15.486	264	110331	20.000	ng	# 0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.475	112	260057	71.710	ng	0.00
7) Phenol-d6	6.493	99	304644	68.819	ng	0.00
23) Nitrobenzene-d5	7.381	82	208866	51.531	ng	-0.01
42) 2,4,6-Tribromophenol	10.651	330	73407	70.251	ng	-0.01
45) 2-Fluorobiphenyl	9.181	172	336732	53.337	ng	-0.01
79) Terphenyl-d14	12.945	244	407655	47.195	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.128	128	33099	3.418	ng	99
49) Acenaphthylene	9.722	152	44315	5.717	ng	98
52) Acenaphthene	9.892	154	69157	13.700	ng	97
55) Dibenzofuran	10.063	168	46254	6.376	ng	# 87
58) Fluorene	10.410	166	80172	14.250	ng	98
71) Phenanthrene	11.381	178	1202933	146.165	ng	100
72) Anthracene	11.428	178	522682	64.165	ng	99
73) Carbazole	11.586	167	50835	6.719	ng	98
75) Fluoranthene	12.598	202	5527121	642.482	ng	96
78) Pyrene	12.827	202	5082691	455.165	ng	97
81) Benzo(a)anthracene	14.010	228	2921445	312.264	ng	97
83) Chrysene	14.051	228	2310152m	259.000	ng	
87) Indeno(1,2,3-cd)pyrene	16.974	276	1132702	170.332	ng	# 87
88) Benzo(b)fluoranthene	15.074	252	2852669m	404.633	ng	
89) Benzo(k)fluoranthene	15.098	252	851635m	128.415	ng	
90) Benzo(a)pyrene	15.445	252	1949186m	351.772	ng	
91) Dibenzo(a,h)anthracene	16.974	278	245854	44.571	ng	# 92
92) Benzo(g,h,i)perylene	17.421	276	1036424	189.584	ng	# 93

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

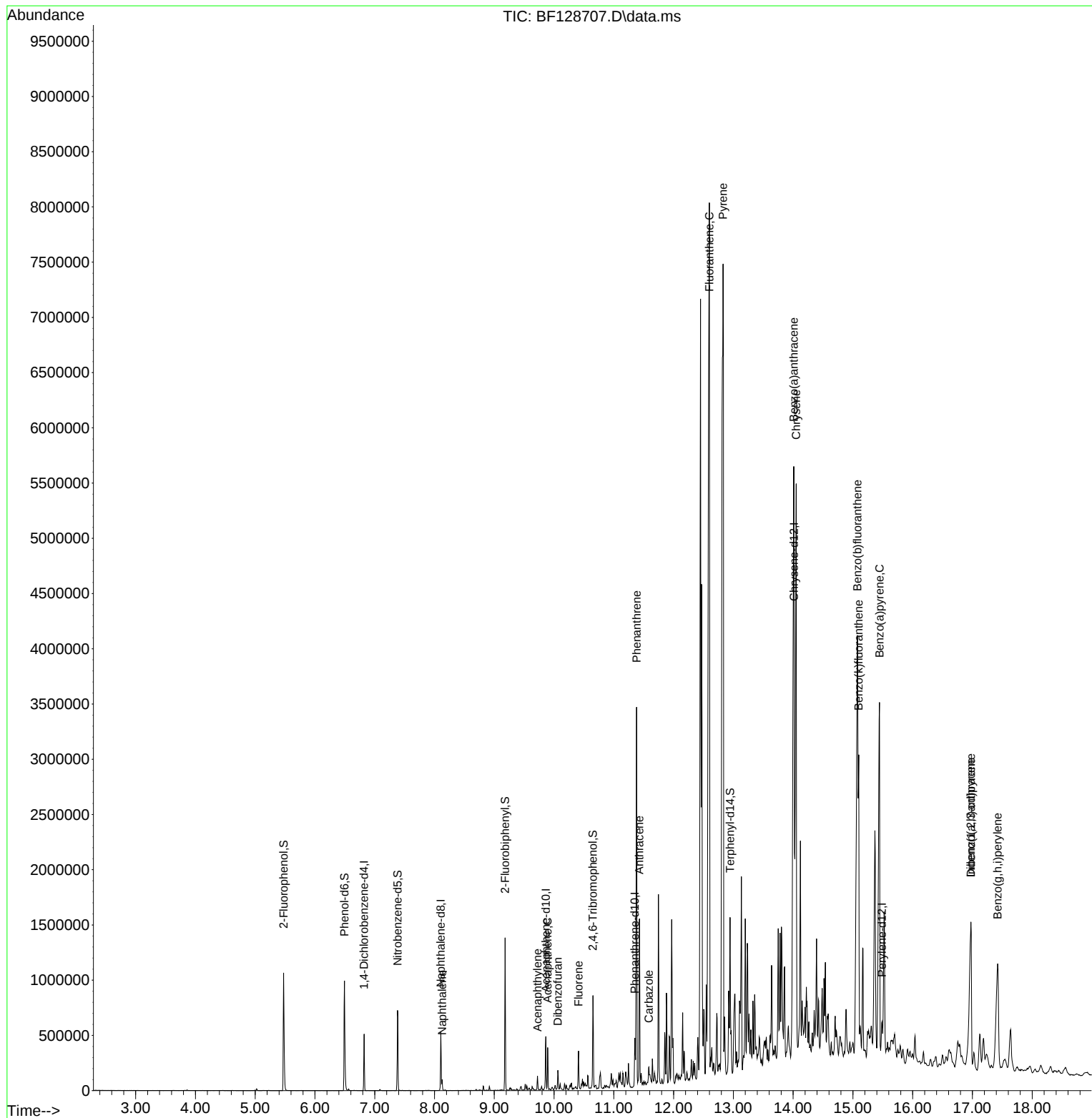
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060622\
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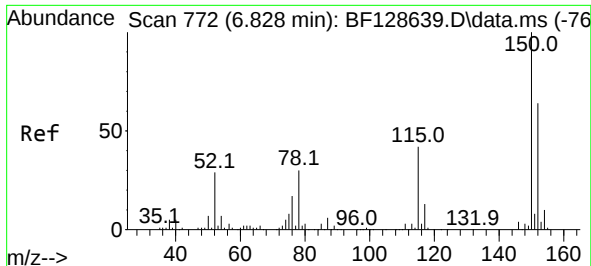
Instrument :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060222.M
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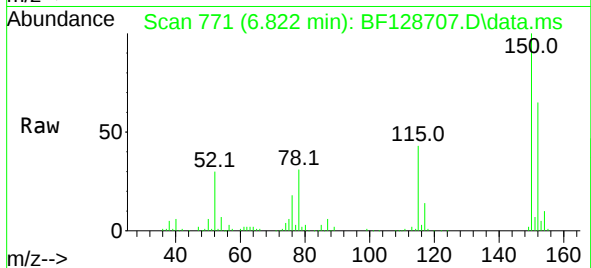
Reviewed By :Christian Giraldo 06/07/2022
Supervised By :Jagrut Upadhyay 06/07/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.822 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF128707.D
Acq: 06 Jun 2022 20:27

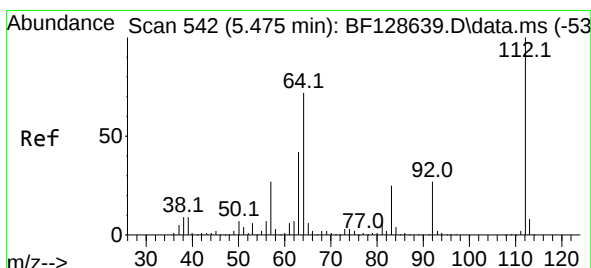
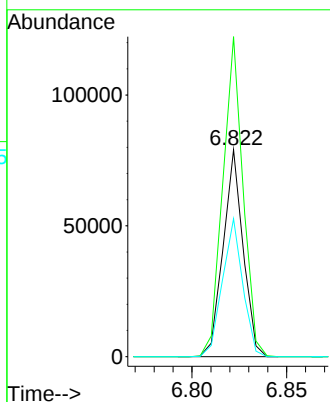
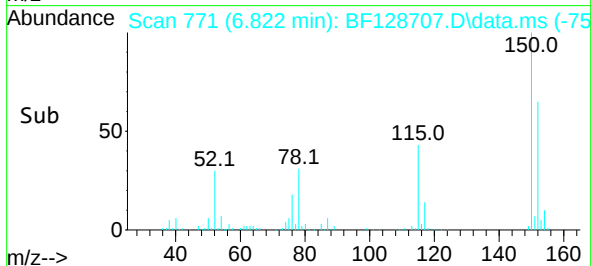
Instrument :
BNA_F
ClientSampleId :
SU-4-060322



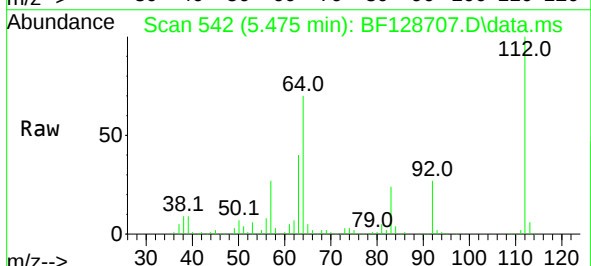
Tgt Ion:152 Resp: 57764
Ion Ratio Lower Upper
152 100
150 154.6 123.7 185.5
115 66.7 49.9 74.9

Manual Integrations
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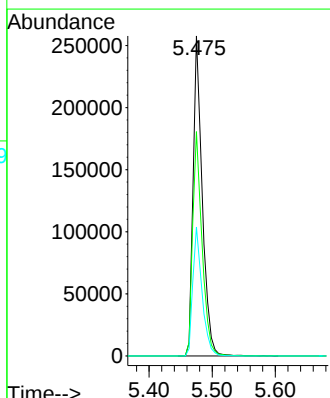
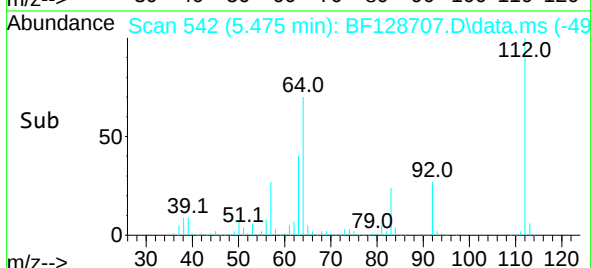
Reviewed By :Christian Giraldo 06/07/2022
Supervised By :Jagrut Upadhyay 06/07/2022

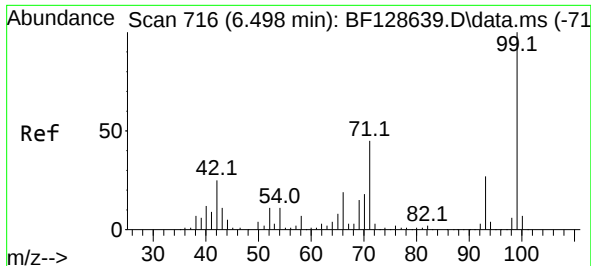


#5
2-Fluorophenol
Concen: 71.710 ng
RT: 5.475 min Scan# 542
Delta R.T. 0.000 min
Lab File: BF128707.D
Acq: 06 Jun 2022 20:27



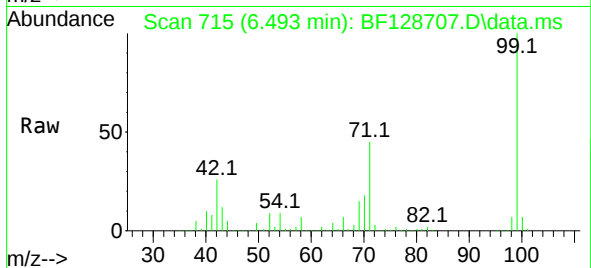
Tgt Ion:112 Resp: 260057
Ion Ratio Lower Upper
112 100
64 70.1 53.3 79.9
63 40.3 28.0 42.0





#7
Phenol-d6
Concen: 68.819 ng
RT: 6.493 min Scan# 716
Delta R.T. -0.005 min
Lab File: BF128707.D
Acq: 06 Jun 2022 20:27

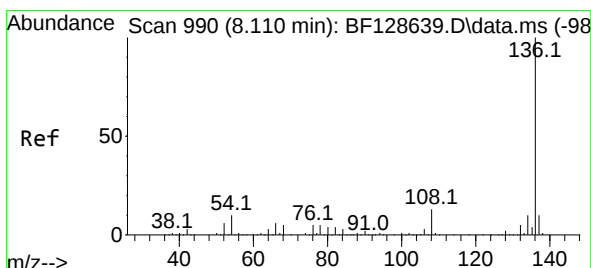
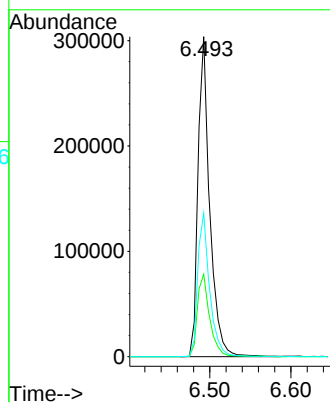
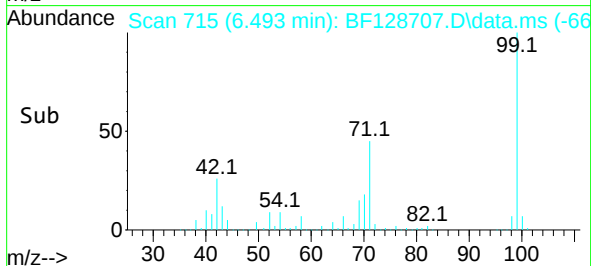
Instrument :
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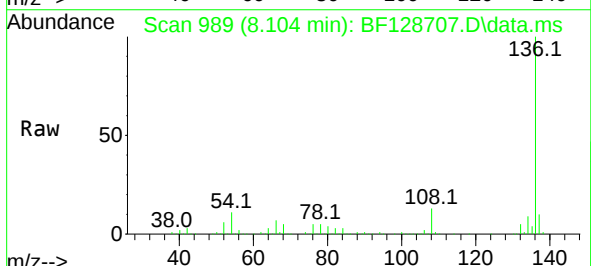
Tgt Ion: 99 Resp: 304644
Ion Ratio Lower Upper
99 100
42 25.8 17.3 25.9
71 44.9 28.9 43.3

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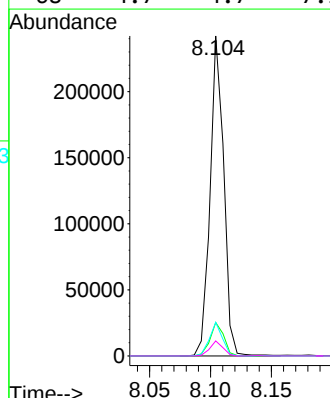
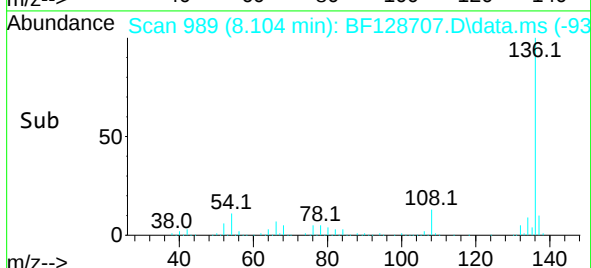
Reviewed By :Christian Giraldo 06/07/2022
Supervised By :Jagrut Upadhyay 06/07/2022

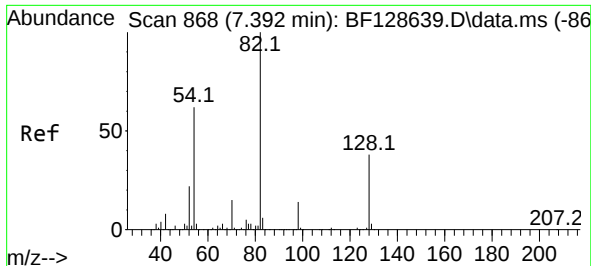


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.104 min Scan# 989
Delta R.T. -0.006 min
Lab File: BF128707.D
Acq: 06 Jun 2022 20:27



Tgt Ion:136 Resp: 188711
Ion Ratio Lower Upper
136 100
137 10.5 8.8 13.2
54 10.5 7.5 11.3
68 4.7 4.7 7.1





#23

Nitrobenzene-d5

Concen: 51.531 ng

RT: 7.381 min Scan# 80

Delta R.T. -0.011 min

Lab File: BF128707.D

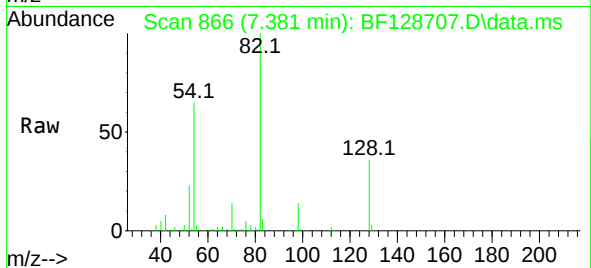
Acq: 06 Jun 2022 20:27

Instrument :

BNA_F

ClientSampleId :

SU-4-060322



Tgt Ion: 82 Resp: 20886

Ion Ratio Lower Upper

82 100

128 36.0 34.0 51.0

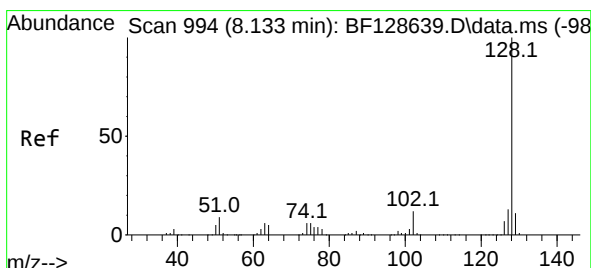
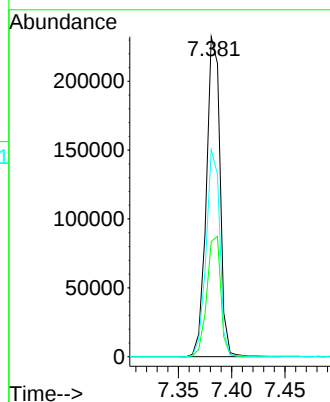
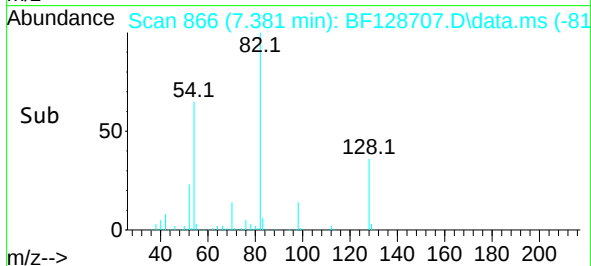
54 64.7 46.9 70.3

Manual Integrations

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#31

Naphthalene

Concen: 3.418 ng

RT: 8.128 min Scan# 993

Delta R.T. -0.006 min

Lab File: BF128707.D

Acq: 06 Jun 2022 20:27

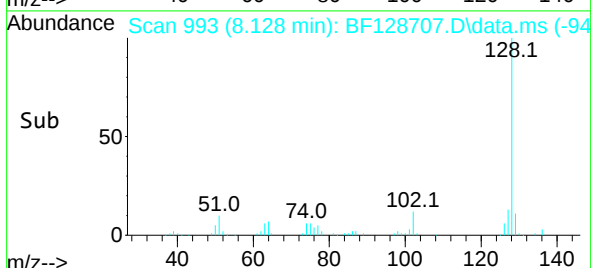
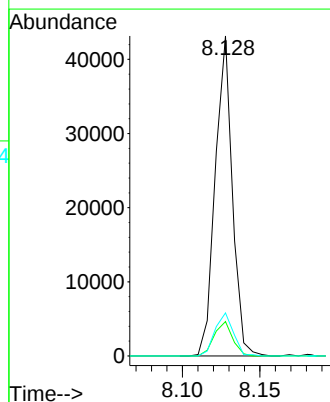
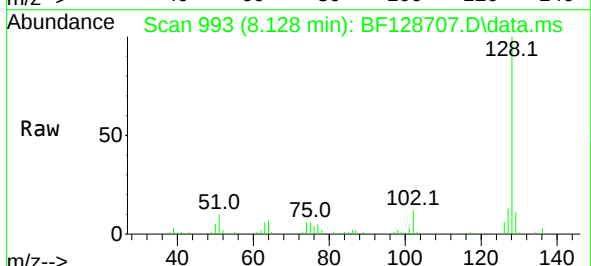
Tgt Ion:128 Resp: 33099

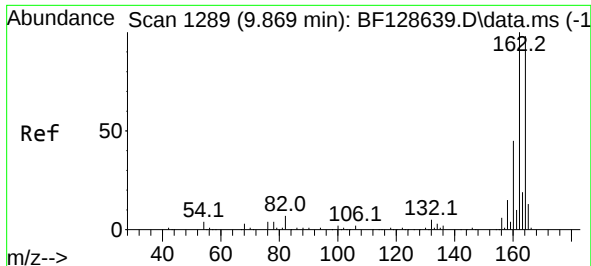
Ion Ratio Lower Upper

128 100

129 10.8 9.2 13.8

127 13.5 10.5 15.7





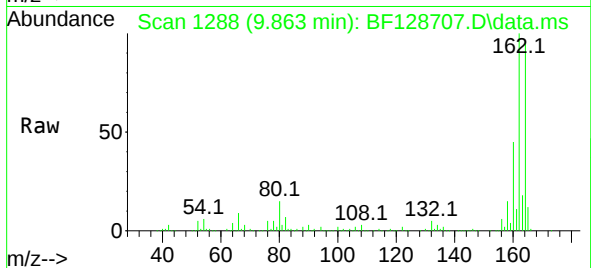
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.863 min Scan# 1288
Delta R.T. -0.006 min
Lab File: BF128707.D
Acq: 06 Jun 2022 20:27

Instrument :

BNA_F

ClientSampleId :

SU-4-060322

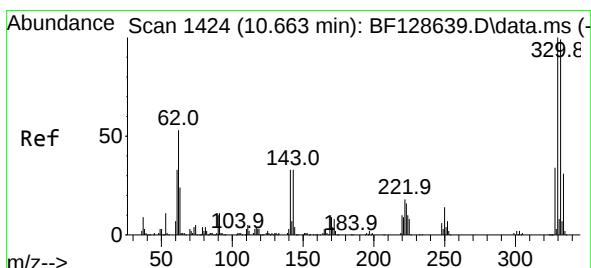
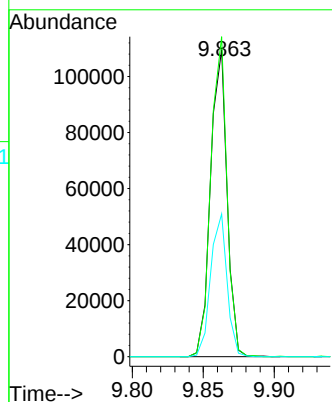
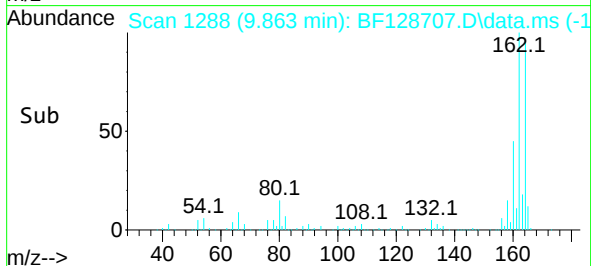


Tgt Ion:164 Resp: 8843
Ion Ratio Lower Upper
164 100
162 104.2 79.5 119.3
160 46.5 34.2 51.4

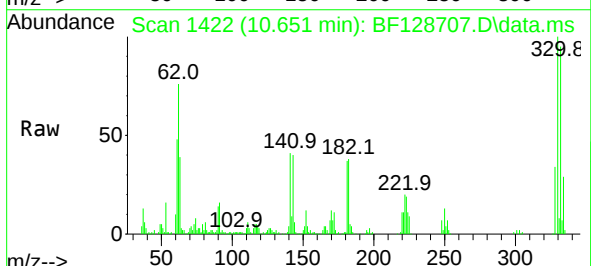
Manual Integrations

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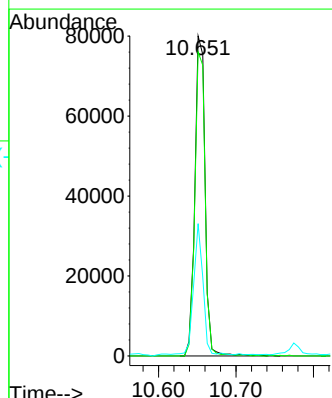
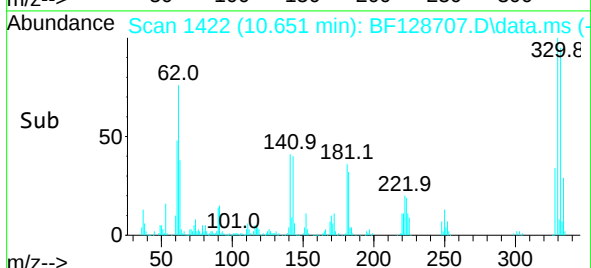
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Supervised By :Jagrut Upadhyay 06/07/2022

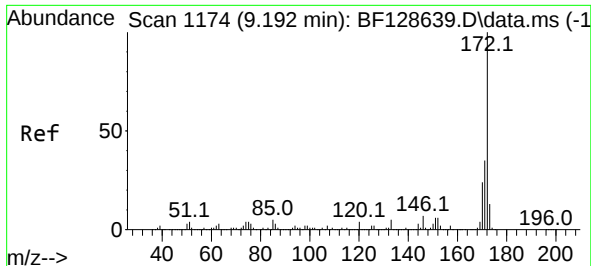


#42
2,4,6-Tribromophenol
Concen: 70.251 ng
RT: 10.651 min Scan# 1422
Delta R.T. -0.012 min
Lab File: BF128707.D
Acq: 06 Jun 2022 20:27



Tgt Ion:330 Resp: 73407
Ion Ratio Lower Upper
330 100
332 95.3 76.8 115.2
141 40.1 28.0 42.0





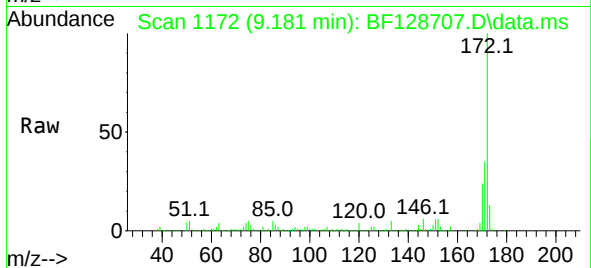
#45
2-Fluorobiphenyl
Concen: 53.337 ng
RT: 9.181 min Scan# 1172
Delta R.T. -0.011 min
Lab File: BF128707.D
Acq: 06 Jun 2022 20:27

Instrument :

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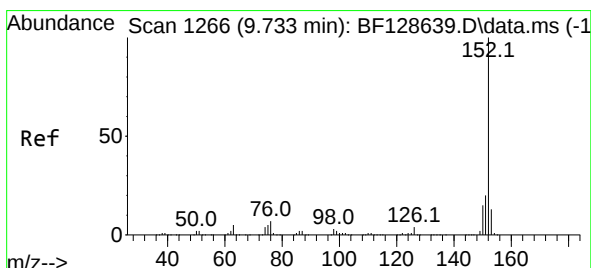
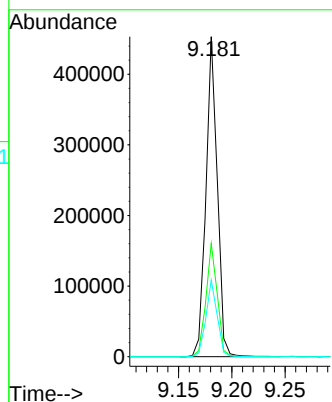
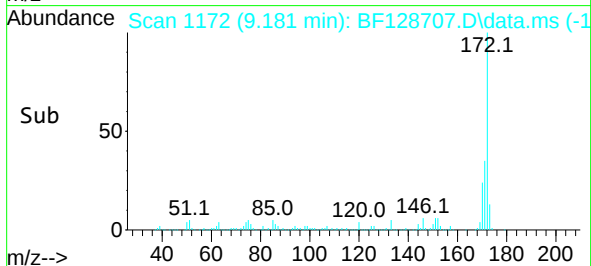


Tgt Ion:172 Resp: 336732
Ion Ratio Lower Upper
172 100
171 35.4 28.8 43.2
170 24.0 19.8 29.8

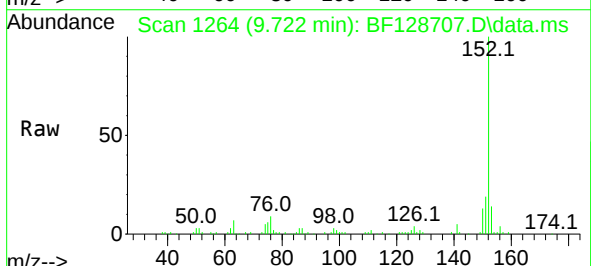
Manual Integrations

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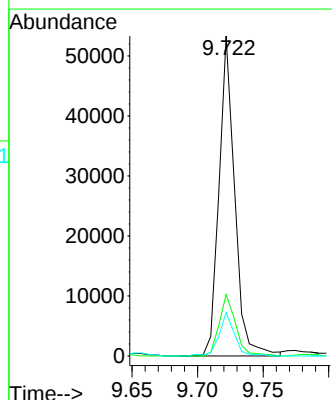
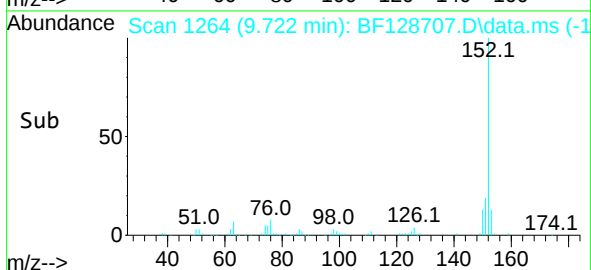
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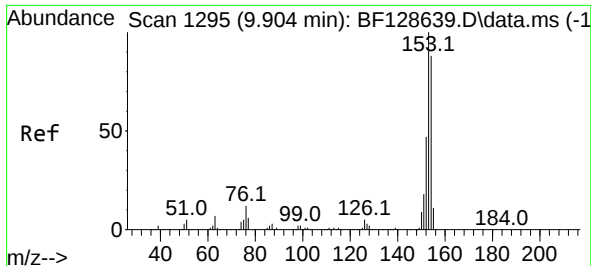


#49
Acenaphthylene
Concen: 5.717 ng
RT: 9.722 min Scan# 1264
Delta R.T. -0.012 min
Lab File: BF128707.D
Acq: 06 Jun 2022 20:27



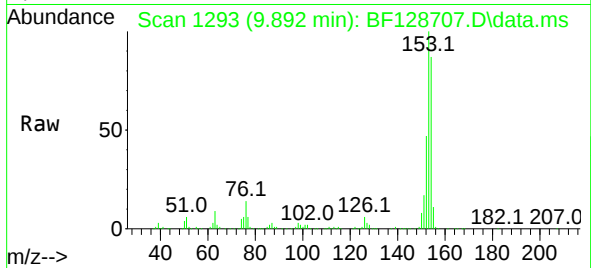
Tgt Ion:152 Resp: 44315
Ion Ratio Lower Upper
152 100
151 19.2 16.2 24.4
153 13.6 10.7 16.1





#52
Acenaphthene
Concen: 13.700 ng
RT: 9.892 min Scan# 1295
Delta R.T. -0.012 min
Lab File: BF128707.D
Acq: 06 Jun 2022 20:27

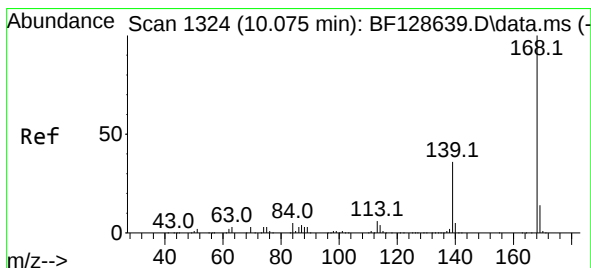
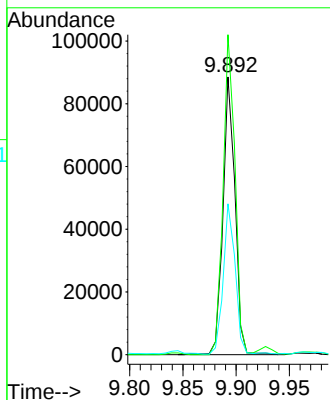
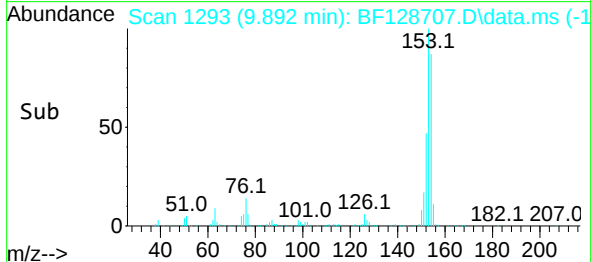
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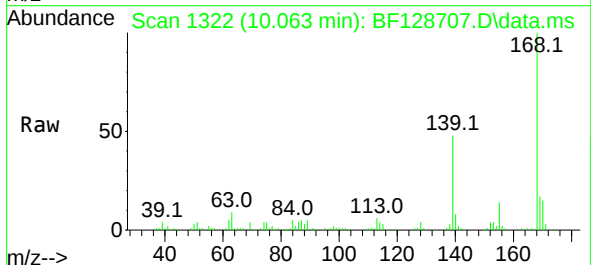
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Ion Ratio Lower Upper
154 100
153 115.2 89.6 134.4
152 54.3 42.4 63.6

Manual Integrations
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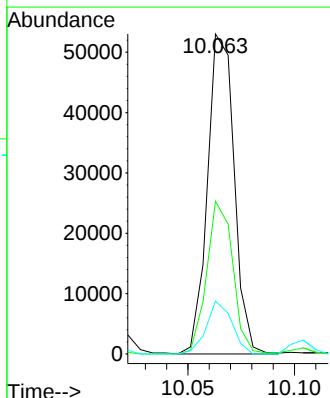
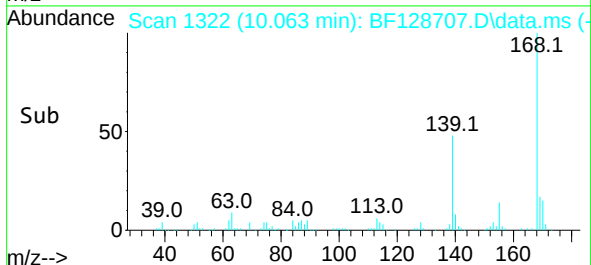
Reviewed By :Christian Giraldo 06/07/2022
Supervised By :Jagrut Upadhyay 06/07/2022

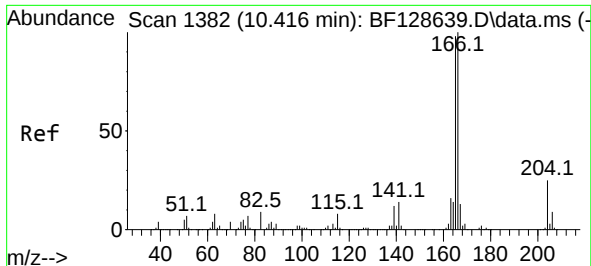


#55
Dibenzofuran
Concen: 6.376 ng
RT: 10.063 min Scan# 1322
Delta R.T. -0.012 min
Lab File: BF128707.D
Acq: 06 Jun 2022 20:27



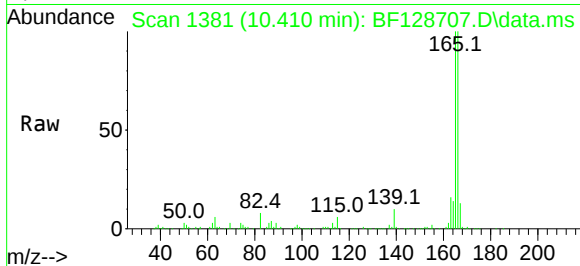
Tgt Ion:168 Resp: 46254
Ion Ratio Lower Upper
168 100
139 47.7 30.6 46.0#
169 16.5 11.0 16.6





#58
Fluorene
Concen: 14.250 ng
RT: 10.410 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF128707.D
Acq: 06 Jun 2022 20:27

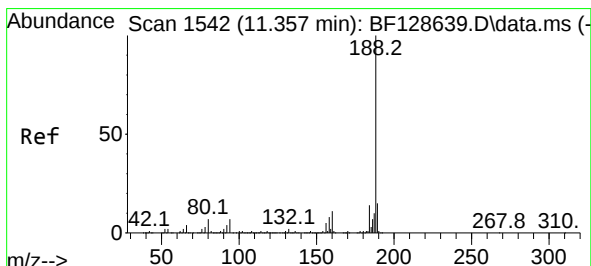
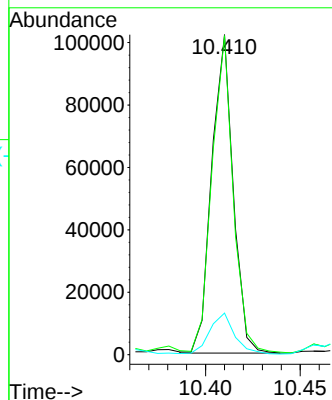
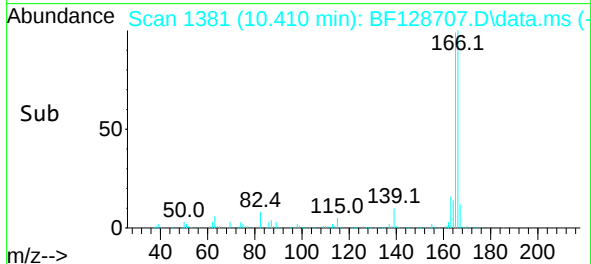
Instrument :
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Tgt Ion:166 Resp: 80172
Ion Ratio Lower Upper
166 100
165 99.7 78.1 117.1
167 13.0 10.5 15.7

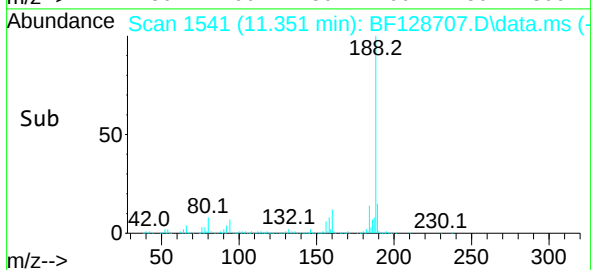
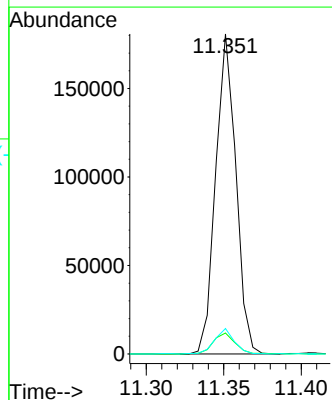
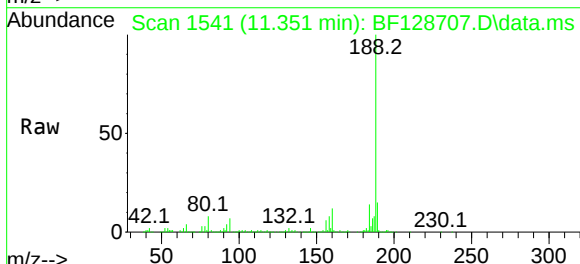
Manual Integrations
APPROVED

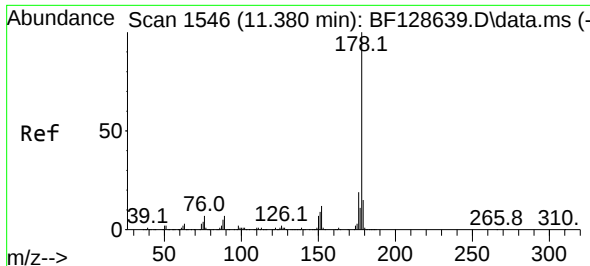
Reviewed By :Christian Giraldo 06/07/2022
Supervised By :Jagrut Upadhyay 06/07/2022



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.351 min Scan# 1541
Delta R.T. -0.006 min
Lab File: BF128707.D
Acq: 06 Jun 2022 20:27

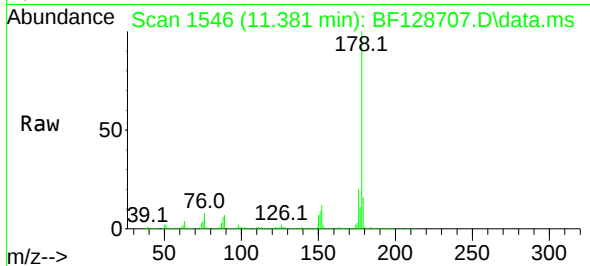
Tgt Ion:188 Resp: 164081
Ion Ratio Lower Upper
188 100
94 6.5 7.0 10.6#
80 7.9 7.6 11.4





#71
Phenanthrene
Concen: 146.165 ng
RT: 11.381 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF128707.D
Acq: 06 Jun 2022 20:27

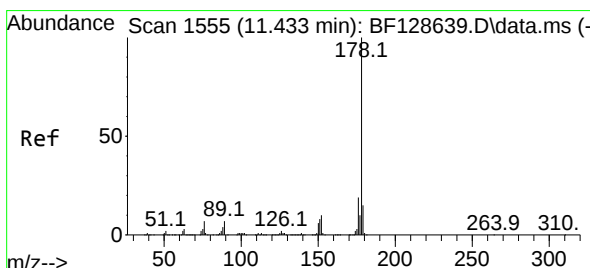
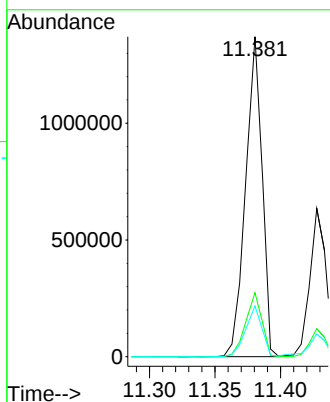
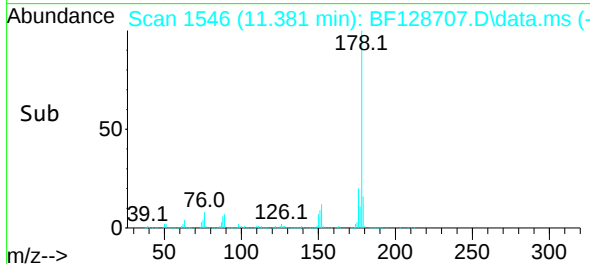
Instrument :
BNA_F
ClientSampleId :
SU-4-060322



Tgt Ion:178 Resp: 120293
Ion Ratio Lower Upper
178 100
176 20.0 16.0 24.0
179 15.9 12.6 19.0

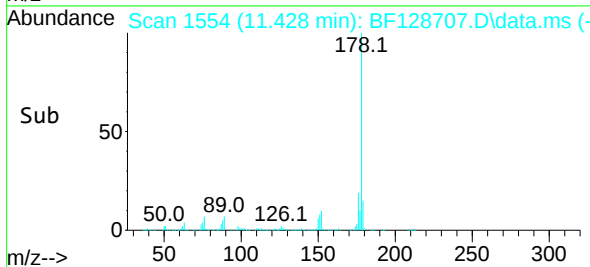
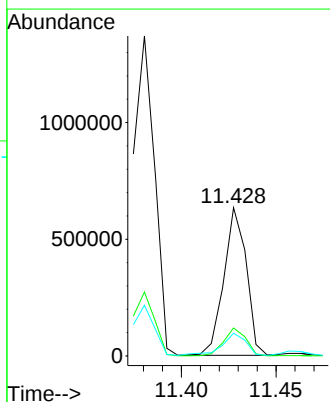
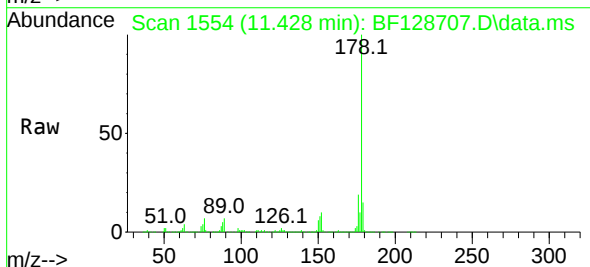
Manual Integrations
APPROVED

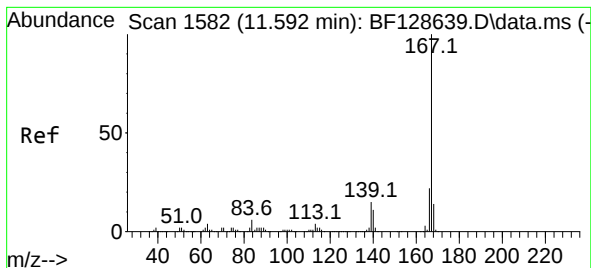
Reviewed By :Christian Giraldo 06/07/2022
Supervised By :Jagrut Upadhyay 06/07/2022



#72
Anthracene
Concen: 64.165 ng
RT: 11.428 min Scan# 1554
Delta R.T. -0.006 min
Lab File: BF128707.D
Acq: 06 Jun 2022 20:27

Tgt Ion:178 Resp: 522682
Ion Ratio Lower Upper
178 100
176 18.8 15.4 23.2
179 15.3 12.6 19.0





#73

Carbazole

Concen: 6.719 ng

RT: 11.586 min Scan# 1158

Delta R.T. -0.006 min

Lab File: BF128707.D

Acq: 06 Jun 2022 20:27

Instrument :

BNA_F

ClientSampleId :

SU-4-060322

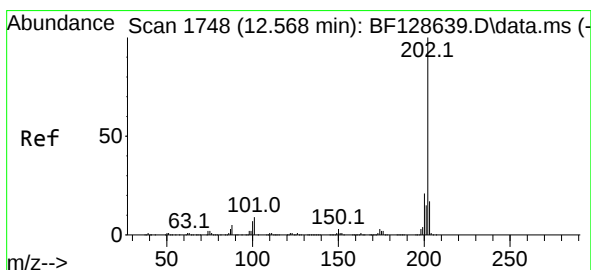
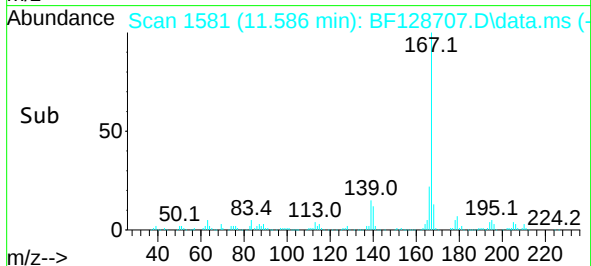
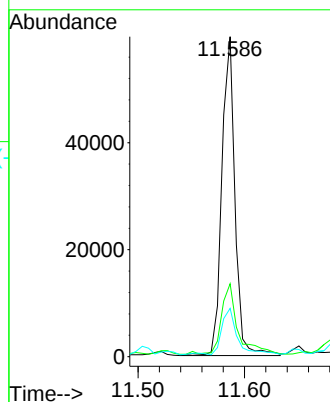
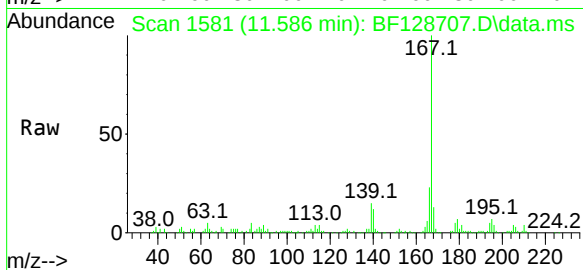
Tgt Ion:167	Resp: 5083
Ion Ratio	Lower Upper
167 100	
166 22.8	17.7 26.5
139 15.1	11.2 16.8

Manual Integrations

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Reviewed By :Christian Giraldo 06/07/2022

Supervised By :Jagrut Upadhyay 06/07/2022



#75

Fluoranthene

Concen: 642.482 ng

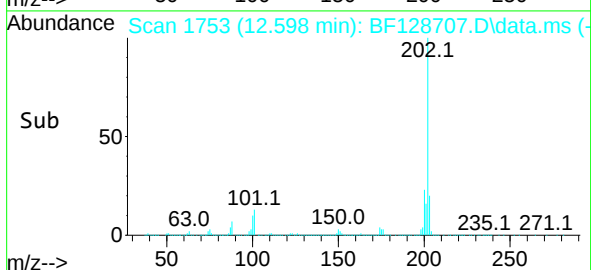
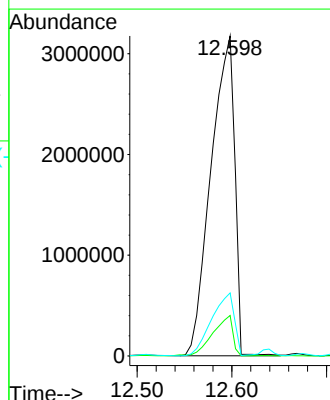
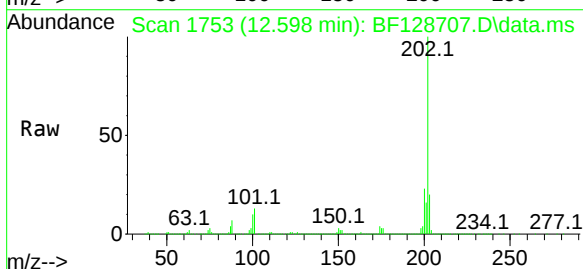
RT: 12.598 min Scan# 1753

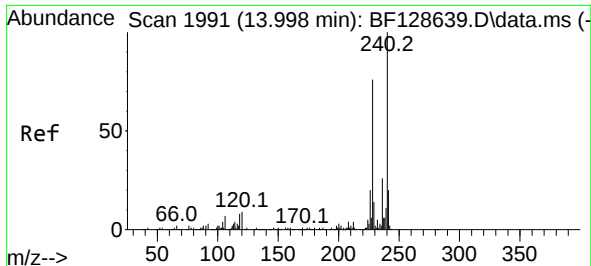
Delta R.T. 0.030 min

Lab File: BF128707.D

Acq: 06 Jun 2022 20:27

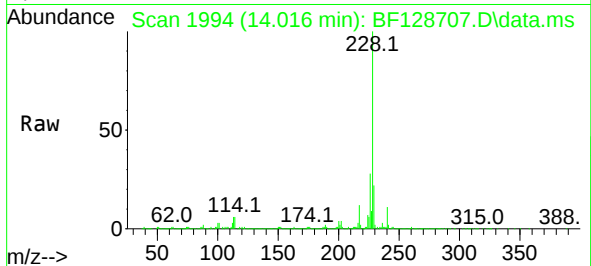
Tgt Ion:202	Resp: 5527121
Ion Ratio	Lower Upper
202 100	
101 12.7	0.0 31.4
203 19.7	0.0 38.0





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.016 min Scan# 1994
Delta R.T. 0.018 min
Lab File: BF128707.D
Acq: 06 Jun 2022 20:27

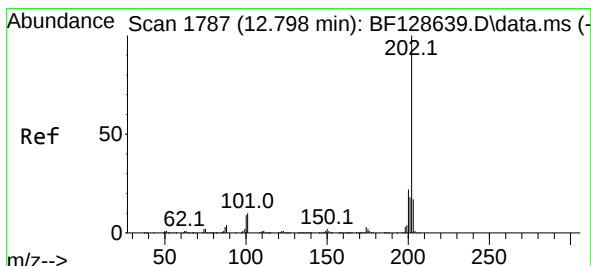
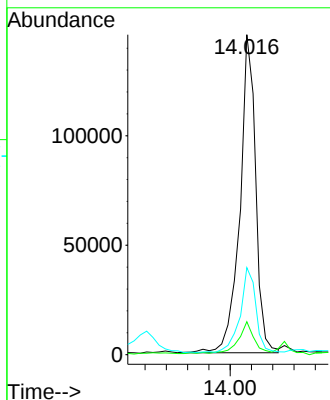
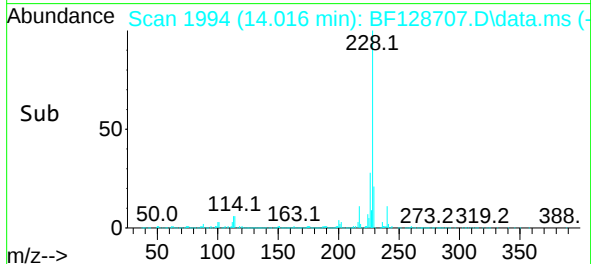
Instrument :
BNA_F
ClientSampleId :
SU-4-060322



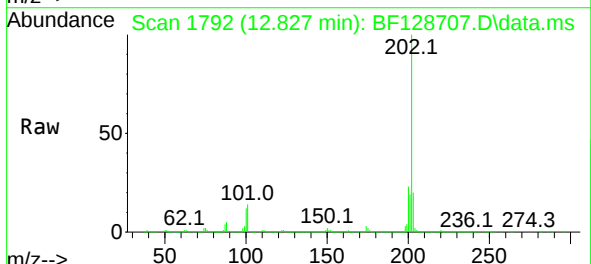
Tgt Ion:240 Resp: 150091
Ion Ratio Lower Upper
240 100
120 10.3 8.9 13.3
236 27.2 20.8 31.2

Manual Integrations
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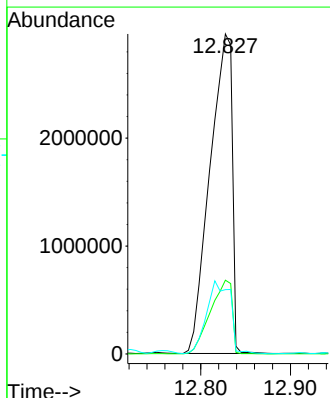
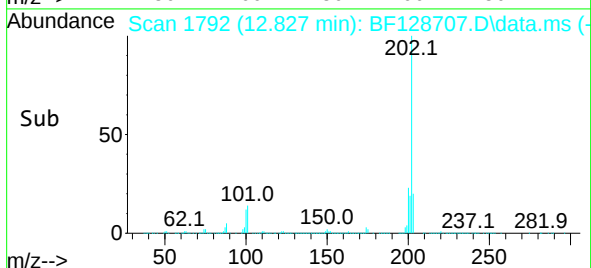
Reviewed By :Christian Giraldo 06/07/2022
Supervised By :Jagrut Upadhyay 06/07/2022

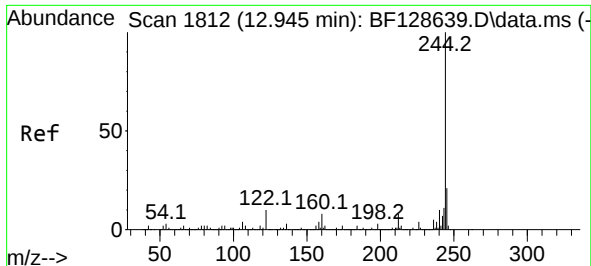


#78
Pyrene
Concen: 455.165 ng
RT: 12.827 min Scan# 1792
Delta R.T. 0.030 min
Lab File: BF128707.D
Acq: 06 Jun 2022 20:27



Tgt Ion:202 Resp: 5082691
Ion Ratio Lower Upper
202 100
200 23.1 17.7 26.5
203 20.1 14.6 21.8





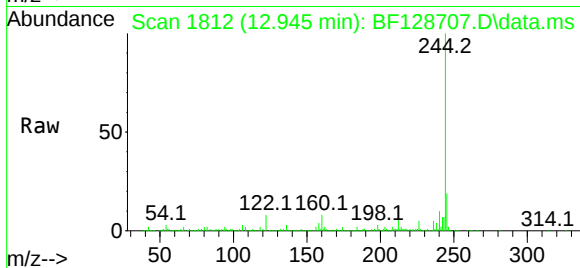
#79
 Terphenyl-d14
 Concen: 47.195 ng
 RT: 12.945 min Scan# 1812
 Delta R.T. 0.000 min
 Lab File: BF128707.D
 Acq: 06 Jun 2022 20:27

Instrument :

BNA_F

ClientSampleId :

SU-4-060322

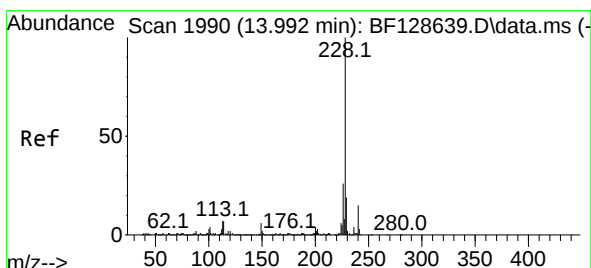
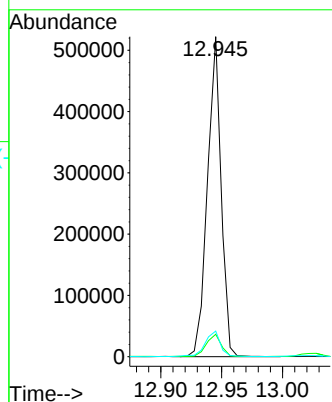
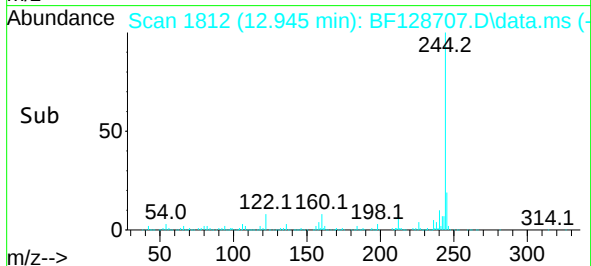


Tgt Ion:244 Resp: 40765
 Ion Ratio Lower Upper
 244 100
 212 7.0 6.1 9.1
 122 8.0 8.8 13.2

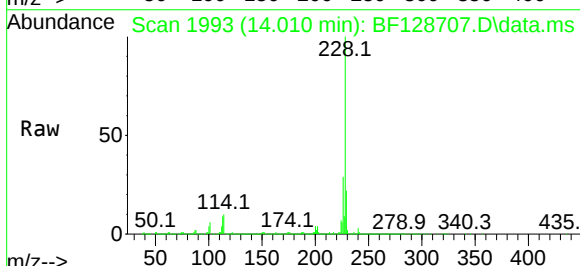
Manual Integrations

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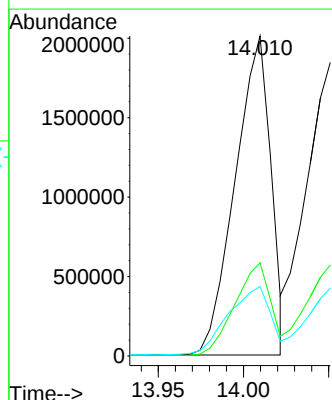
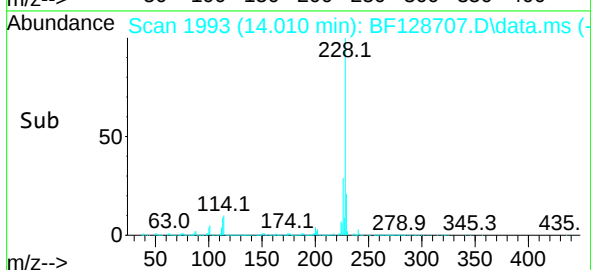
Reviewed By :Christian Giraldo 06/07/2022
 Supervised By :Jagrut Upadhyay 06/07/2022

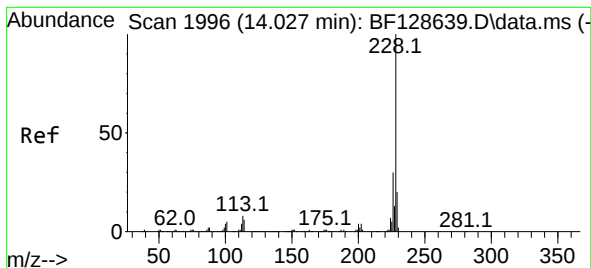


#81
 Benzo(a)anthracene
 Concen: 312.264 ng
 RT: 14.010 min Scan# 1993
 Delta R.T. 0.018 min
 Lab File: BF128707.D
 Acq: 06 Jun 2022 20:27



Tgt Ion:228 Resp: 2921445
 Ion Ratio Lower Upper
 228 100
 226 29.1 22.1 33.1
 229 21.7 15.8 23.8





#83

Chrysene

Concen: 259.000 ng m

RT: 14.051 min Scan# 20

Delta R.T. 0.024 min

Lab File: BF128707.D

Acq: 06 Jun 2022 20:27

Instrument :

BNA_F

ClientSampleId :

SU-4-060322

Tgt Ion:228 Resp: 231015

Ion Ratio Lower Upper

228 100

226 31.0 24.3 36.5

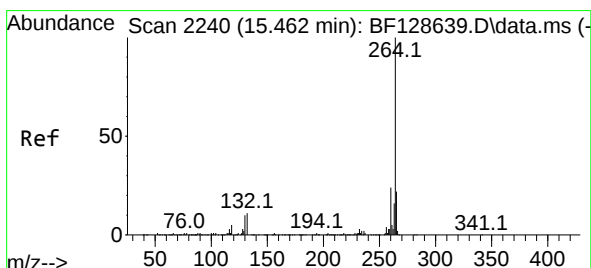
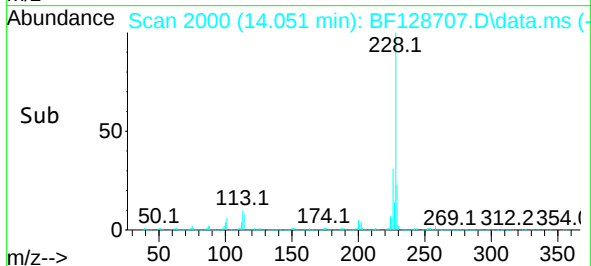
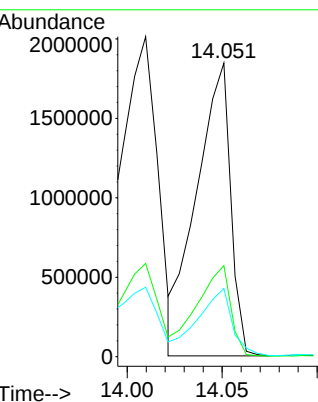
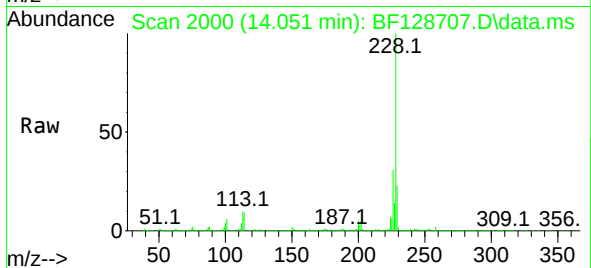
229 23.2 15.9 23.9

Manual Integrations

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Reviewed By :Christian Giraldo 06/07/2022

Supervised By :Jagrut Upadhyay 06/07/2022



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.486 min Scan# 2244

Delta R.T. 0.024 min

Lab File: BF128707.D

Acq: 06 Jun 2022 20:27

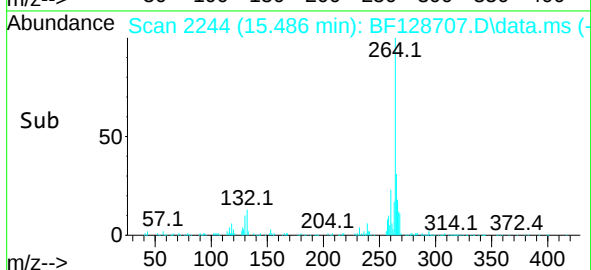
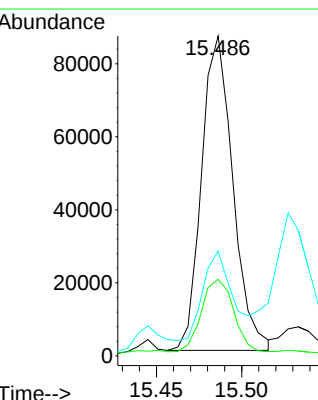
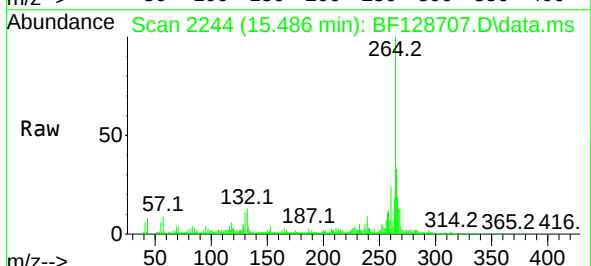
Tgt Ion:264 Resp: 110331

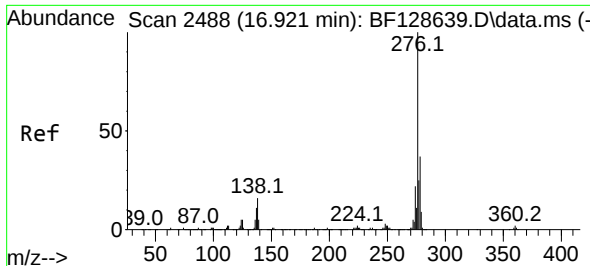
Ion Ratio Lower Upper

264 100

260 23.9 18.4 27.6

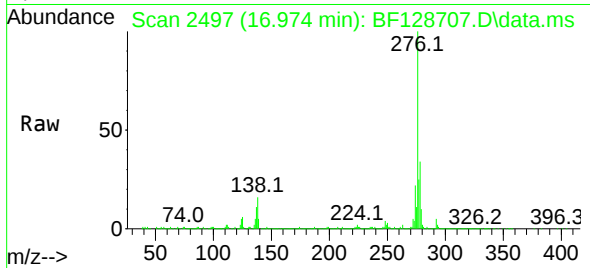
265 32.8 17.2 25.8#





#87
Indeno(1,2,3-cd)pyrene
Concen: 170.332 ng
RT: 16.974 min Scan# 2488
Delta R.T. 0.053 min
Lab File: BF128707.D
Acq: 06 Jun 2022 20:27

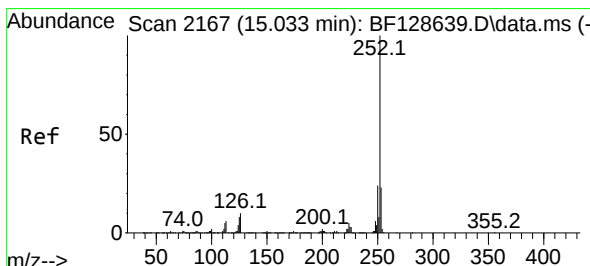
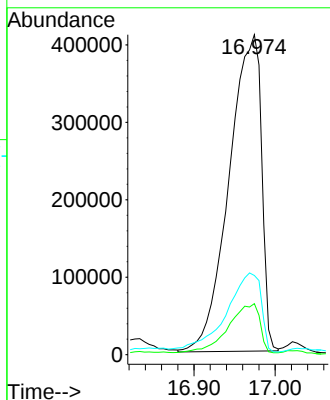
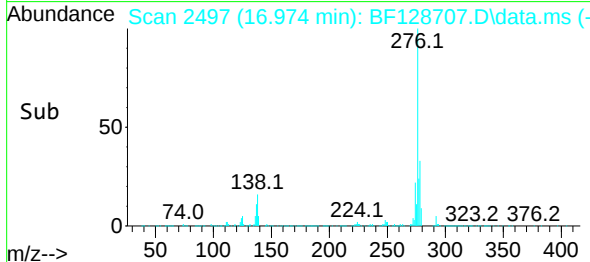
Instrument :
BNA_F
ClientSampleId :
SU-4-060322



Tgt Ion:276 Resp: 1132702
Ion Ratio Lower Upper
276 100
138 15.4 21.1 31.7
277 27.1 20.3 30.5

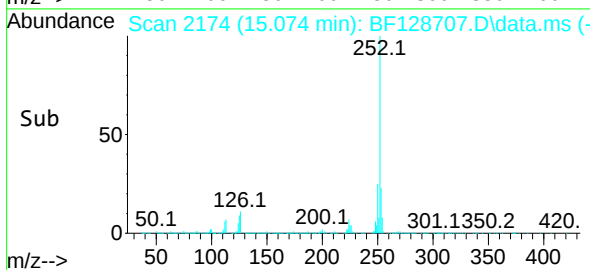
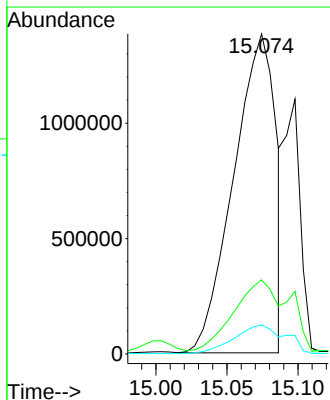
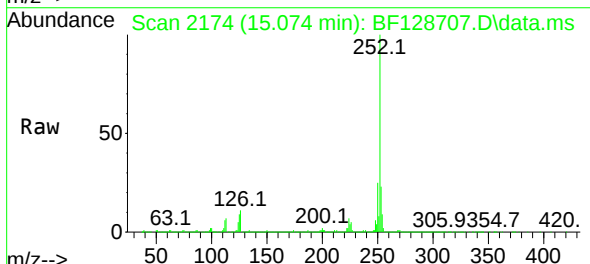
Manual Integrations
APPROVED

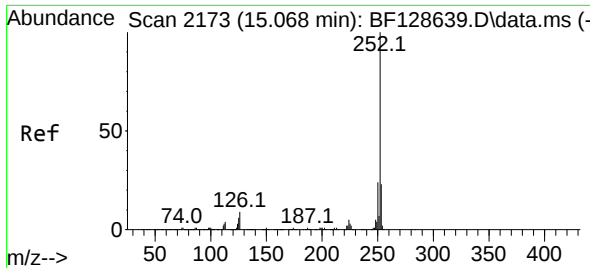
Reviewed By :Christian Giraldo 06/07/2022
Supervised By :Jagrut Upadhyay 06/07/2022



#88
Benzo(b)fluoranthene
Concen: 404.633 ng m
RT: 15.074 min Scan# 2174
Delta R.T. 0.041 min
Lab File: BF128707.D
Acq: 06 Jun 2022 20:27

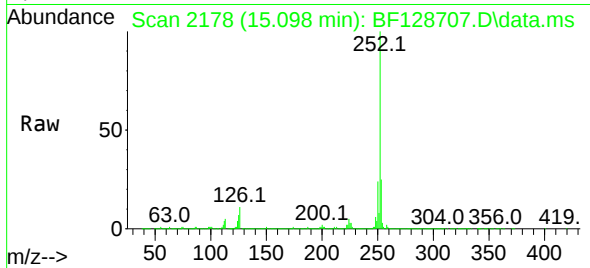
Tgt Ion:252 Resp: 2852669
Ion Ratio Lower Upper
252 100
253 23.2 17.7 26.5
125 9.0 8.0 12.0





#89
Benzo(k)fluoranthene
Concen: 128.415 ng m
RT: 15.098 min Scan# 2173
Delta R.T. 0.030 min
Lab File: BF128707.D
Acq: 06 Jun 2022 20:27

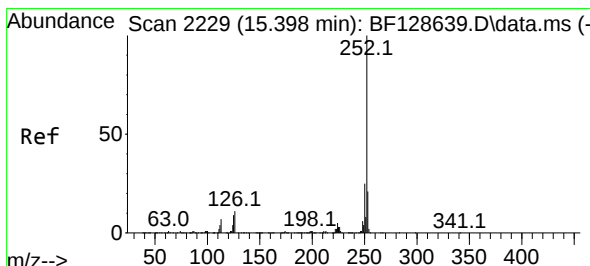
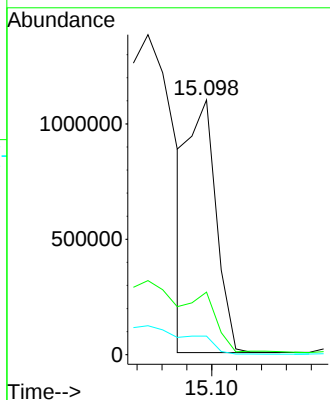
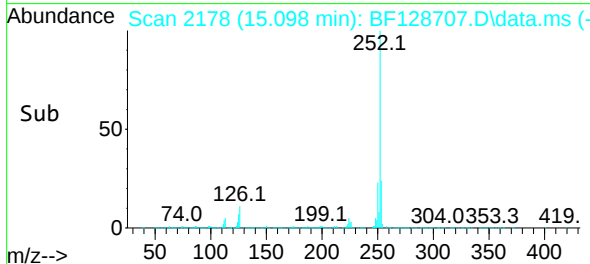
Instrument :
BNA_F
ClientSampleId :
SU-4-060322



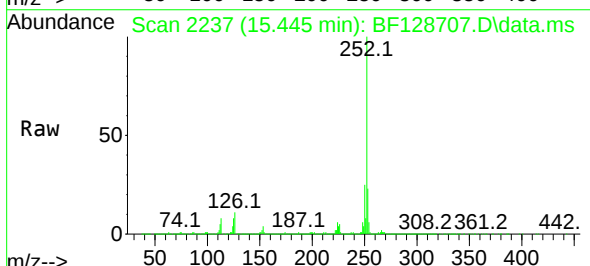
Tgt Ion:252 Resp: 851635
Ion Ratio Lower Upper
252 100
253 24.5 17.8 26.6
125 7.3 8.3 12.5

Manual Integrations
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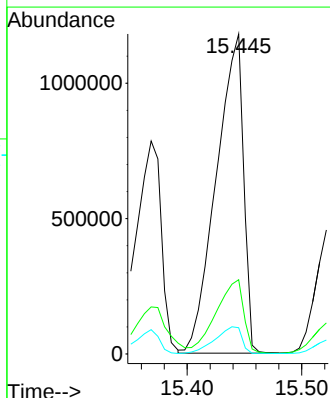
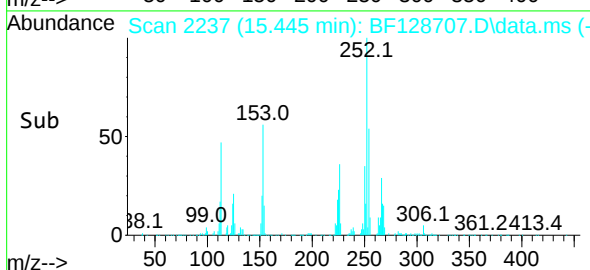
Reviewed By :Christian Giraldo 06/07/2022
Supervised By :Jagrut Upadhyay 06/07/2022

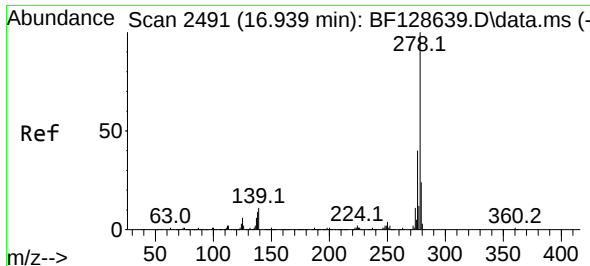


#90
Benzo(a)pyrene
Concen: 351.772 ng m
RT: 15.445 min Scan# 2237
Delta R.T. 0.047 min
Lab File: BF128707.D
Acq: 06 Jun 2022 20:27



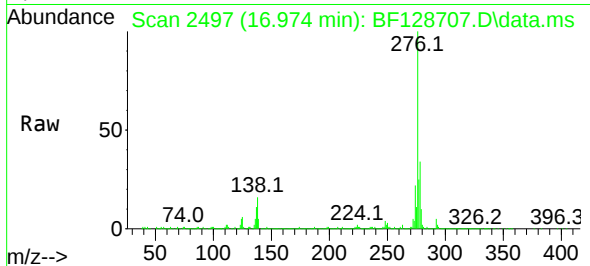
Tgt Ion:252 Resp: 1949186
Ion Ratio Lower Upper
252 100
253 23.2 17.0 25.6
125 8.2 8.8 13.2





#91
Dibenzo(a,h)anthracene
Concen: 44.571 ng
RT: 16.974 min Scan# 2491
Delta R.T. 0.035 min
Lab File: BF128707.D
Acq: 06 Jun 2022 20:27

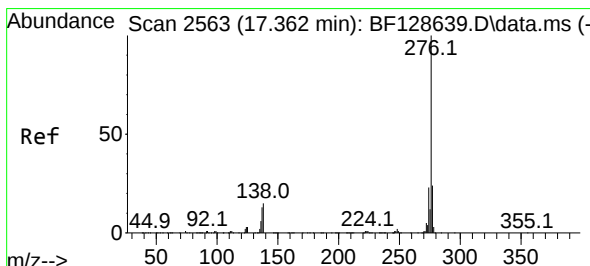
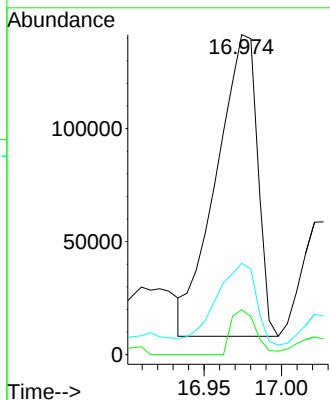
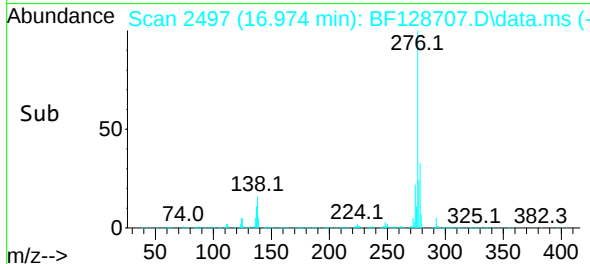
Instrument :
BNA_F
ClientSampleId :
SU-4-060322



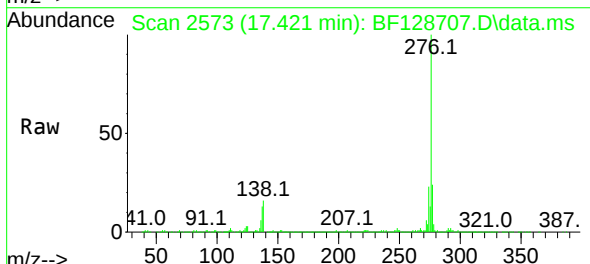
Tgt Ion:278 Resp: 245854
Ion Ratio Lower Upper
278 100
139 14.0 12.8 19.2
279 28.6 18.6 28.0

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 06/07/2022
Supervised By :Jagrut Upadhyay 06/07/2022



#92
Benzo(g,h,i)perylene
Concen: 189.584 ng
RT: 17.421 min Scan# 2573
Delta R.T. 0.059 min
Lab File: BF128707.D
Acq: 06 Jun 2022 20:27



Tgt Ion:276 Resp: 1036424
Ion Ratio Lower Upper
276 100
277 24.1 19.1 28.7
138 15.9 18.0 27.0

