

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080822\
 Data File : BF129654.D
 Acq On : 09 Aug 2022 03:51
 Operator : CG\JU
 Sample : N4063-04
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 P-5D

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 08/09/2022
 Supervised By : Jagrut Upadhyay 08/09/2022

Quant Time: Aug 09 04:44:52 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 05 16:27:34 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.839	152	149904	20.000	ng	-0.01
21) Naphthalene-d8	8.122	136	555563	20.000	ng	-0.01
39) Acenaphthene-d10	9.880	164	241187	20.000	ng	-0.01
64) Phenanthrene-d10	11.369	188	318397	20.000	ng	#-0.01
76) Chrysene-d12	14.027	240	238781	20.000	ng	0.00
86) Perylene-d12	15.509	264	171768	20.000	ng	# 0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	1184086	128.674	ng	0.00
7) Phenol-d6	6.498	99	1465597	126.709	ng	0.00
23) Nitrobenzene-d5	7.410	82	909176	89.334	ng	-0.01
42) 2,4,6-Tribromophenol	10.674	330	260391	112.294	ng	-0.01
45) 2-Fluorobiphenyl	9.198	172	1542052	98.906	ng	-0.01
79) Terphenyl-d14	12.963	244	1164018	91.968	ng	0.00
Target Compounds						Qvalue
49) Acenaphthylene	9.745	152	1288651	59.601	ng	99
58) Fluorene	10.439	166	71253	4.574	ng	# 52
72) Anthracene	11.445	178	411201	24.075	ng	98
75) Fluoranthene	12.592	202	253158	14.376	ng	98
78) Pyrene	12.839	202	3572159	178.898	ng	98
81) Benzo(a)anthracene	14.015	228	412886	25.313	ng	# 37
83) Chrysene	14.039	228	716708	46.623	ng	92
87) Indeno(1,2,3-cd)pyrene	16.998	276	646405	55.883	ng	94
88) Benzo(b)fluoranthene	15.080	252	1174328m	103.066	ng	
89) Benzo(k)fluoranthene	15.104	252	400525m	35.871	ng	
90) Benzo(a)pyrene	15.451	252	1201149	129.864	ng	97
91) Dibenzo(a,h)anthracene	16.998	278	200581m	21.306	ng	
92) Benzo(g,h,i)perylene	17.456	276	707344	73.528	ng	98

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

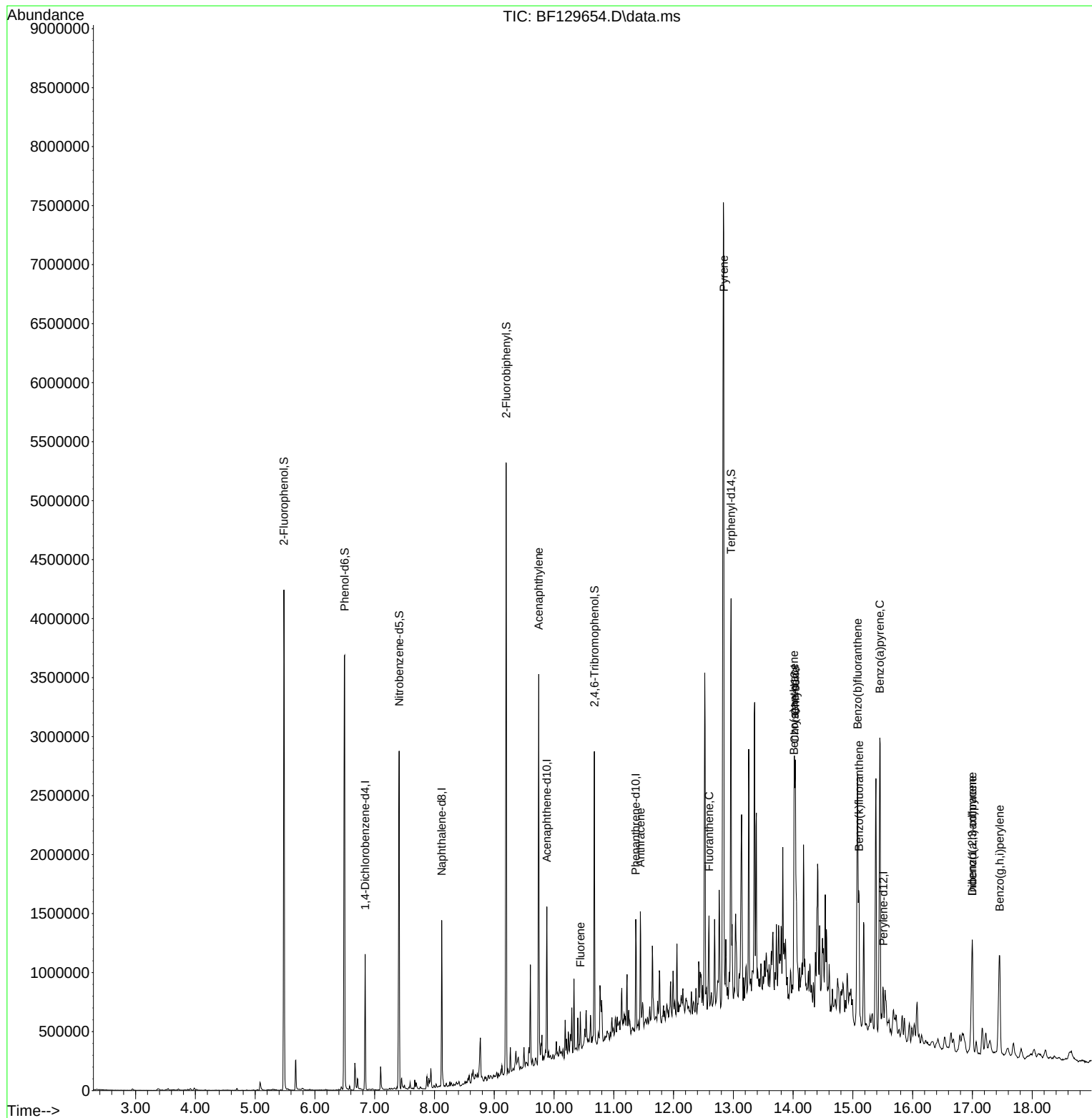
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080822\
Data File : BF129654.D
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ALS Vial : 20 Sample Multiplier: 1

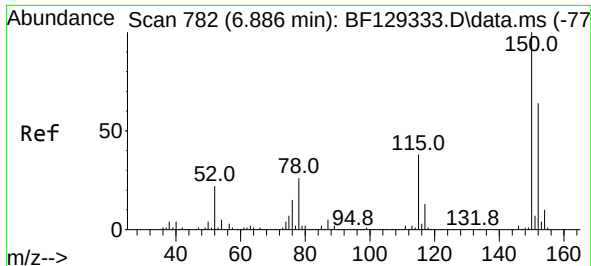
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Quant Time: Aug 09 04:44:52 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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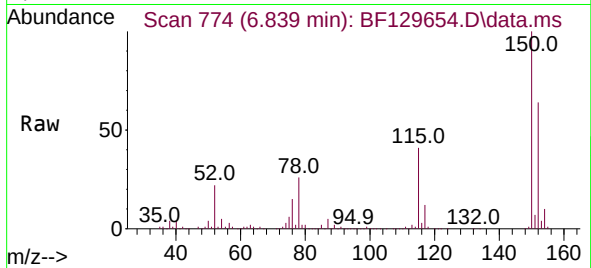
Reviewed By :Christian Giraldo 08/09/2022
Supervised By :Jagrut Upadhyay 08/09/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.839 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF129654.D
Acq: 09 Aug 2022 03:51

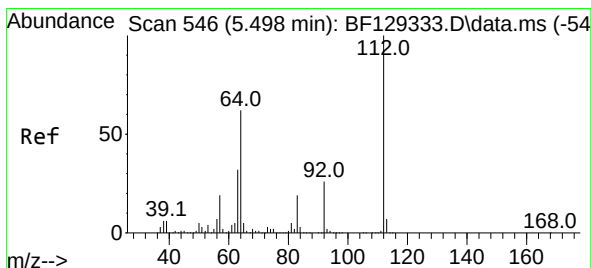
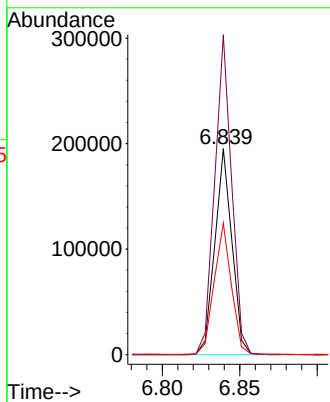
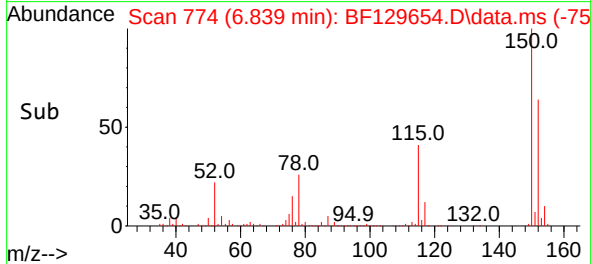
Instrument :
BNA_F
ClientSampleId :
P-5D



Tgt Ion:152 Resp: 149904
Ion Ratio Lower Upper
152 100
150 155.3 123.7 185.5
115 63.8 49.9 74.9

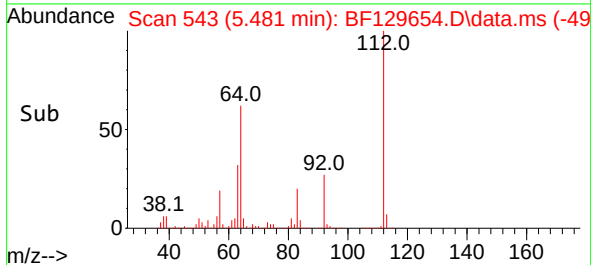
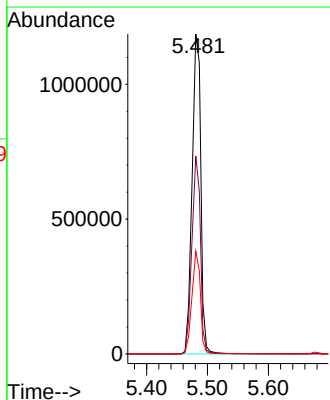
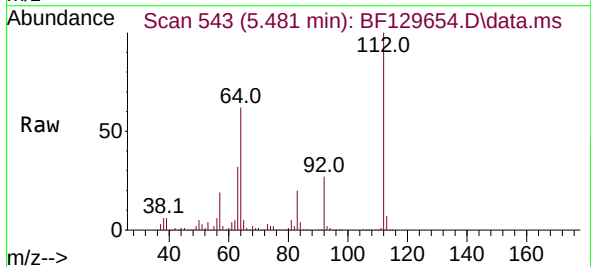
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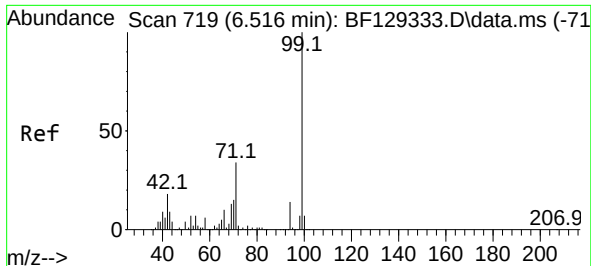
Reviewed By :Christian Giraldo 08/09/2022
Supervised By :Jagrut Upadhyay 08/09/2022



#5
2-Fluorophenol
Concen: 128.674 ng
RT: 5.481 min Scan# 543
Delta R.T. -0.000 min
Lab File: BF129654.D
Acq: 09 Aug 2022 03:51

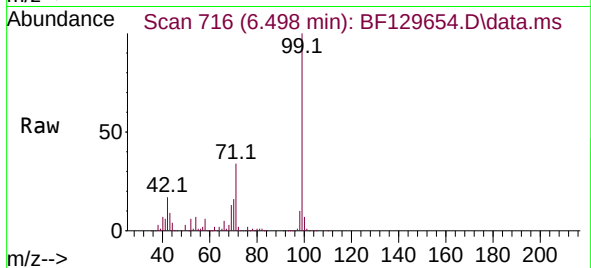
Tgt Ion:112 Resp: 1184086
Ion Ratio Lower Upper
112 100
64 61.8 53.3 79.9
63 32.1 28.0 42.0





#7
Phenol-d6
Concen: 126.709 ng
RT: 6.498 min Scan# 719
Delta R.T. -0.006 min
Lab File: BF129654.D
Acq: 09 Aug 2022 03:51

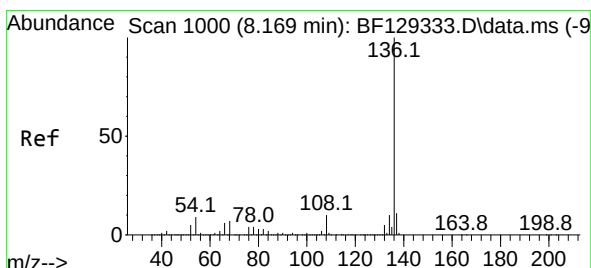
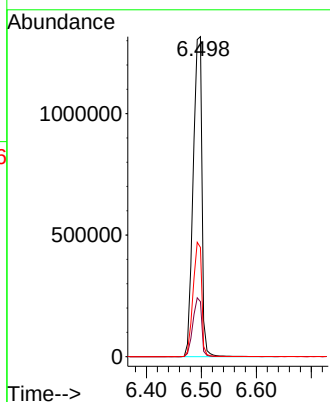
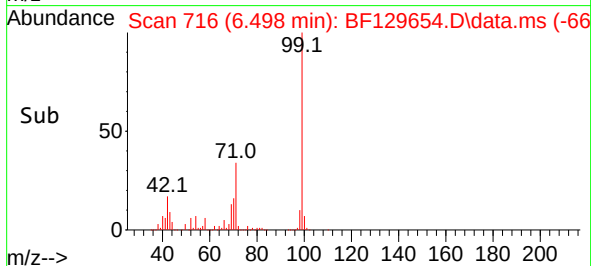
Instrument :
BNA_F
ClientSampleId :
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Tgt Ion: 99 Resp: 1465597
Ion Ratio Lower Upper
99 100
42 17.2 17.3 25.9
71 34.1 28.9 43.3

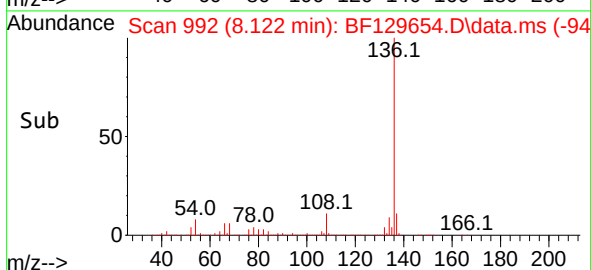
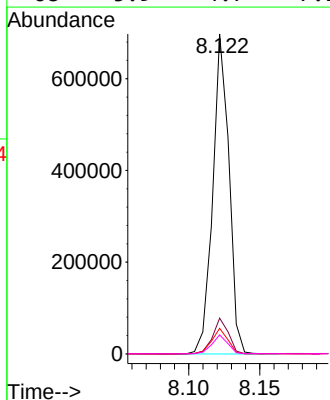
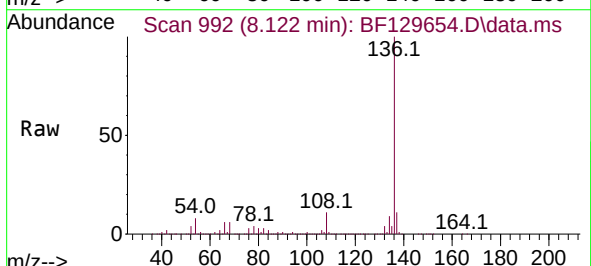
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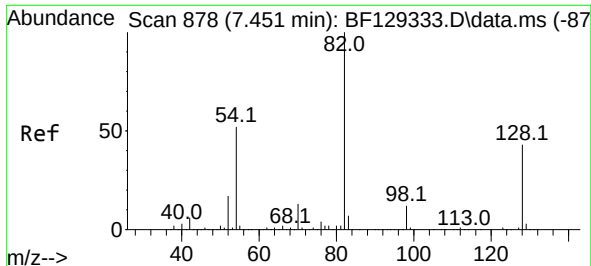
Reviewed By :Christian Giraldo 08/09/2022
Supervised By :Jagrut Upadhyay 08/09/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.122 min Scan# 992
Delta R.T. -0.012 min
Lab File: BF129654.D
Acq: 09 Aug 2022 03:51

Tgt Ion:136 Resp: 555563
Ion Ratio Lower Upper
136 100
137 11.2 8.8 13.2
54 8.0 7.5 11.3
68 5.9 4.7 7.1





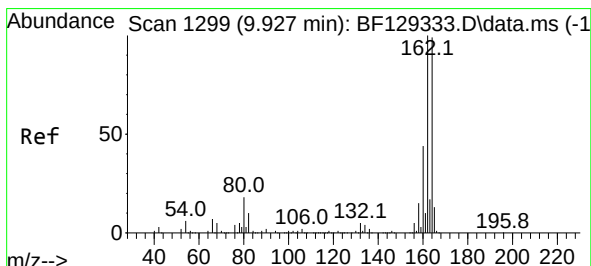
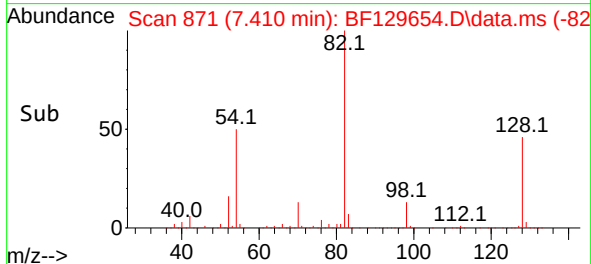
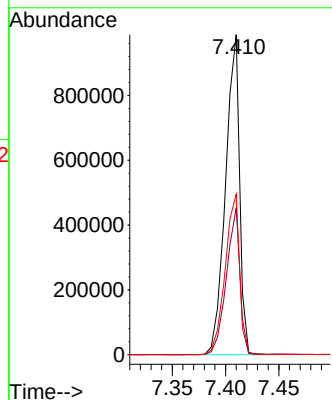
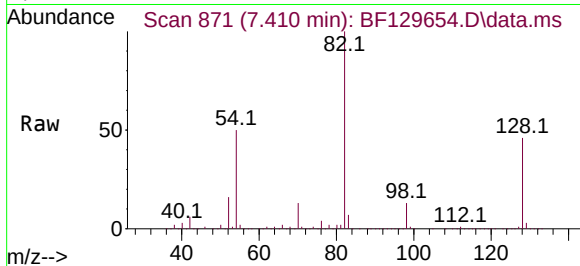
#23
Nitrobenzene-d5
Concen: 89.334 ng
RT: 7.410 min Scan# 81
Delta R.T. -0.012 min
Lab File: BF129654.D
Acq: 09 Aug 2022 03:51

Instrument :
BNA_F
ClientSampleId :
P-5D

Tgt Ion: 82 Resp: 909176
Ion Ratio Lower Upper
82 100
128 45.8 34.0 51.0
54 50.1 46.9 70.3

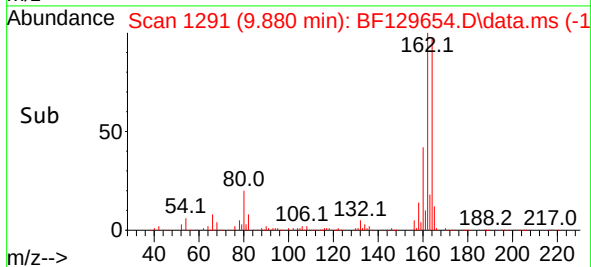
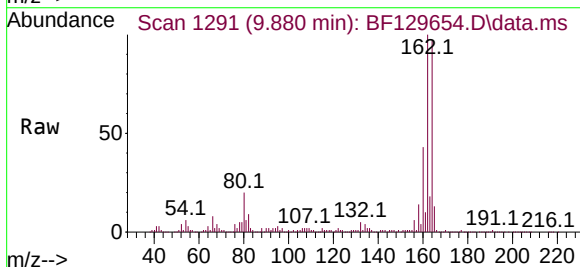
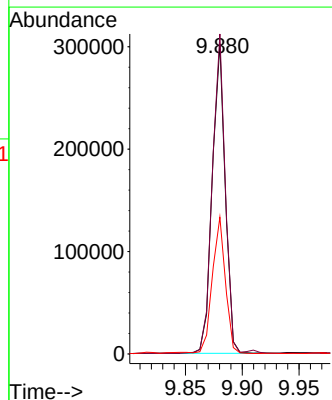
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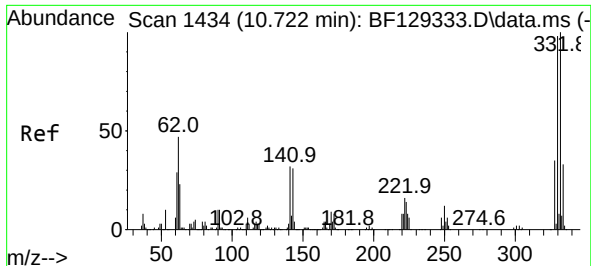
Reviewed By :Christian Giraldo 08/09/2022
Supervised By :Jagrut Upadhyay 08/09/2022



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.880 min Scan# 1291
Delta R.T. -0.012 min
Lab File: BF129654.D
Acq: 09 Aug 2022 03:51

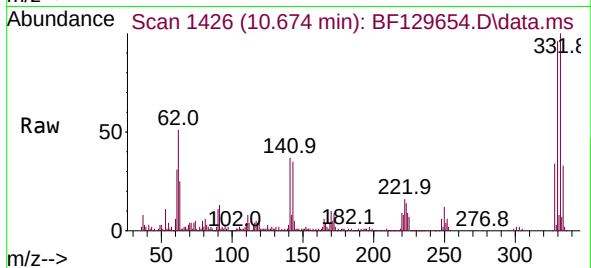
Tgt Ion:164 Resp: 241187
Ion Ratio Lower Upper
164 100
162 103.2 79.5 119.3
160 44.1 34.2 51.4





#42
2,4,6-Tribromophenol
Concen: 112.294 ng
RT: 10.674 min Scan# 1434
Delta R.T. -0.012 min
Lab File: BF129654.D
Acq: 09 Aug 2022 03:51

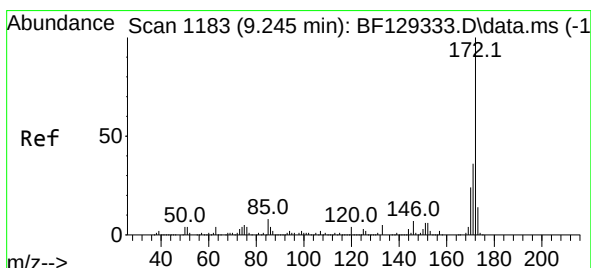
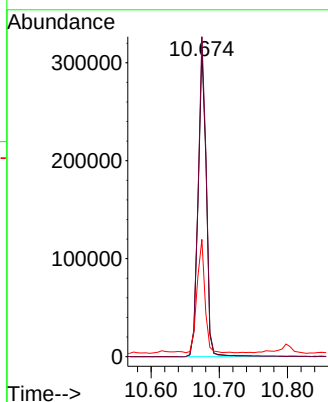
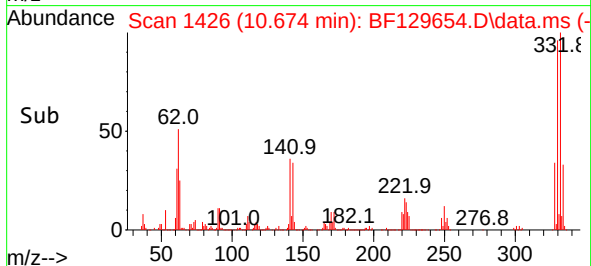
Instrument :
BNA_F
ClientSampleId :
P-5D



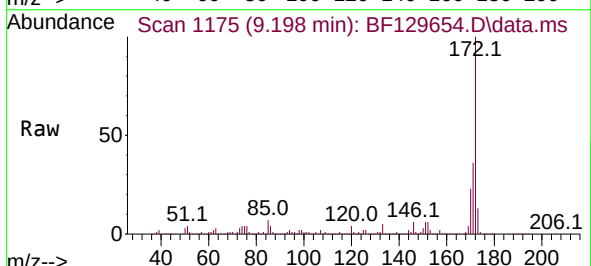
Tgt Ion: 330 Resp: 260391
Ion Ratio Lower Upper
330 100
332 103.3 76.8 115.2
141 35.9 28.0 42.0

Manual Integrations
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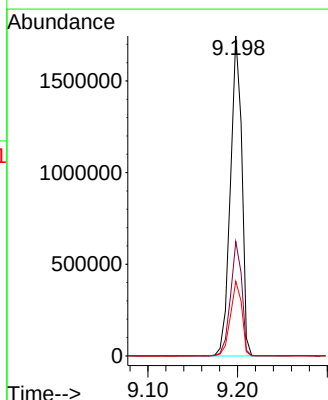
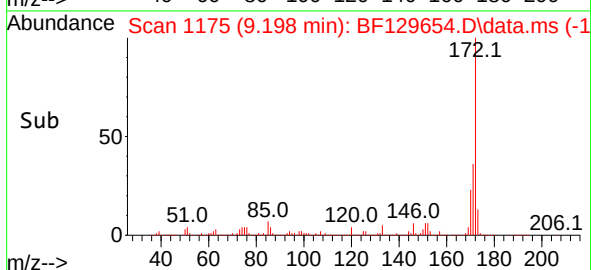
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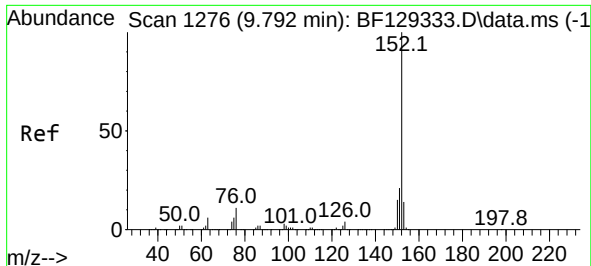


#45
2-Fluorobiphenyl
Concen: 98.906 ng
RT: 9.198 min Scan# 1175
Delta R.T. -0.012 min
Lab File: BF129654.D
Acq: 09 Aug 2022 03:51



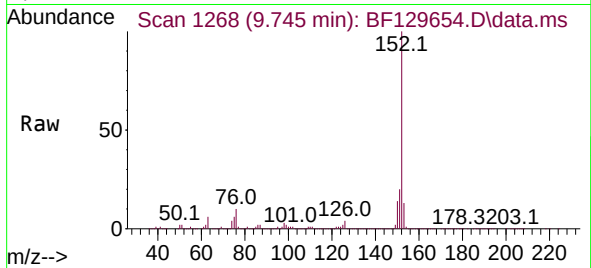
Tgt Ion: 172 Resp: 1542052
Ion Ratio Lower Upper
172 100
171 35.7 28.8 43.2
170 23.3 19.8 29.8





#49
Acenaphthylene
Concen: 59.601 ng
RT: 9.745 min Scan# 1268
Delta R.T. -0.012 min
Lab File: BF129654.D
Acq: 09 Aug 2022 03:51

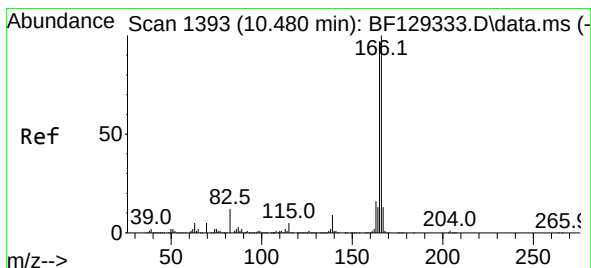
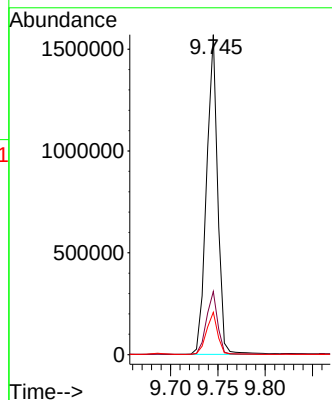
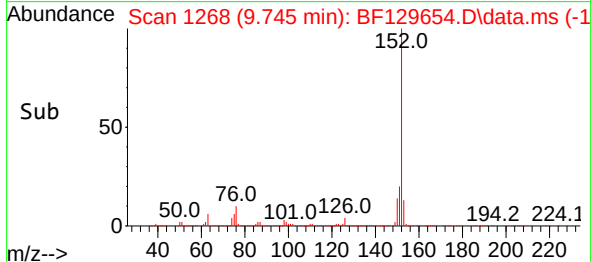
Instrument :
BNA_F
ClientSampleId :
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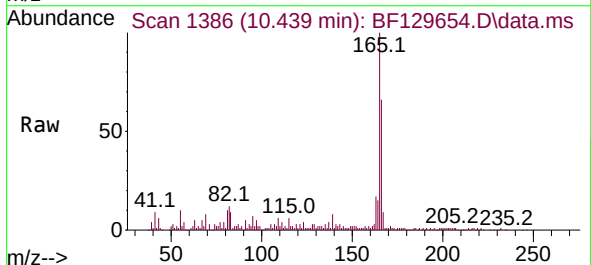
Tgt Ion:152 Resp: 128865
Ion Ratio Lower Upper
152 100
151 19.7 16.2 24.4
153 13.2 10.7 16.1

Manual Integrations
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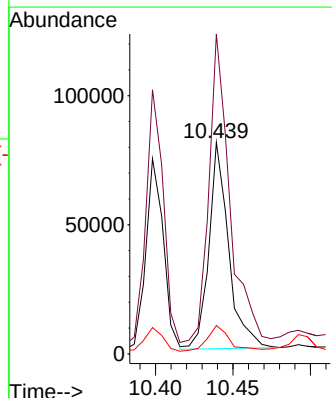
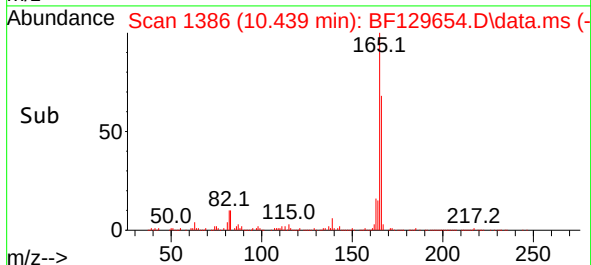
Reviewed By :Christian Giraldo 08/09/2022
Supervised By :Jagrut Upadhyay 08/09/2022

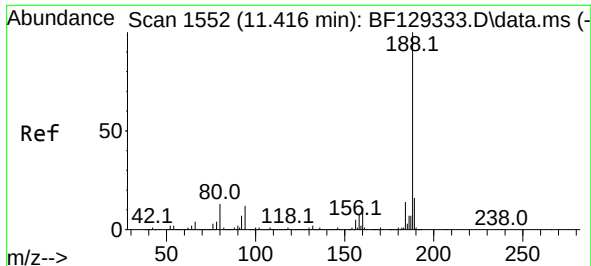


#58
Fluorene
Concen: 4.574 ng
RT: 10.439 min Scan# 1386
Delta R.T. -0.006 min
Lab File: BF129654.D
Acq: 09 Aug 2022 03:51



Tgt Ion:166 Resp: 71253
Ion Ratio Lower Upper
166 100
165 151.4 78.1 117.1#
167 13.4 10.5 15.7





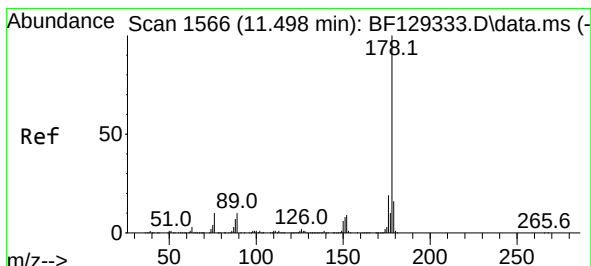
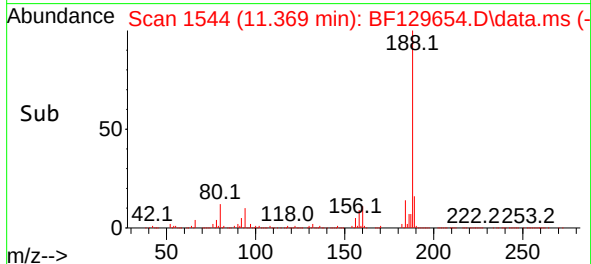
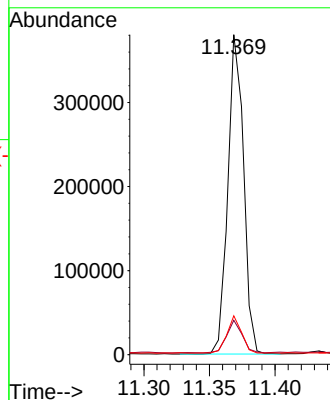
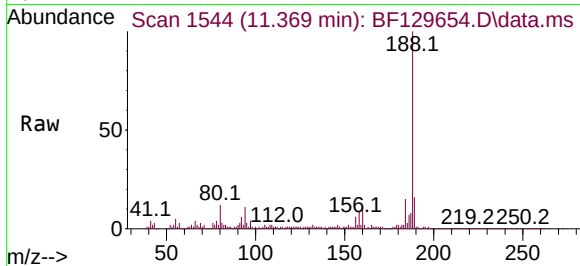
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Phenanthrene-d10
Concen: 20.000 ng
RT: 11.369 min Scan# 1552
Delta R.T. -0.012 min
Lab File: BF129654.D
Acq: 09 Aug 2022 03:51

Instrument :
BNA_F
ClientSampleId :
P-5D

Tgt Ion:188 Resp: 318397
Ion Ratio Lower Upper
188 100
94 10.7 7.0 10.6
80 12.1 7.6 11.4

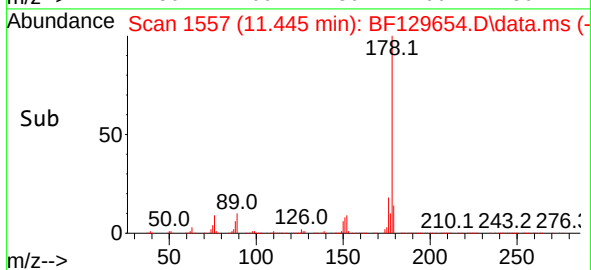
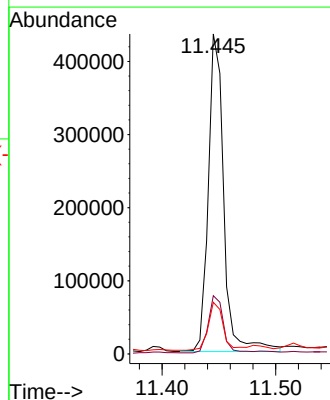
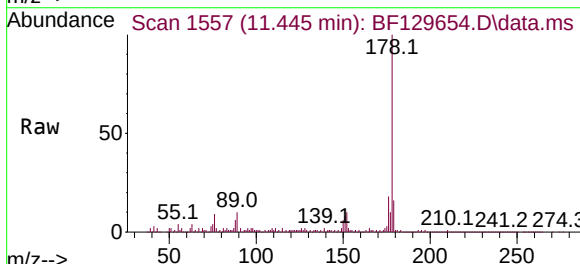
Manual Integrations
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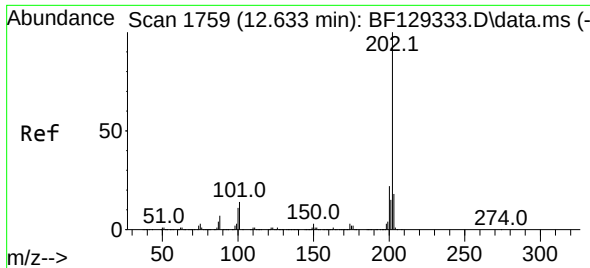
Reviewed By :Christian Giraldo 08/09/2022
Supervised By :Jagrut Upadhyay 08/09/2022



#72
Anthracene
Concen: 24.075 ng
RT: 11.445 min Scan# 1557
Delta R.T. -0.018 min
Lab File: BF129654.D
Acq: 09 Aug 2022 03:51

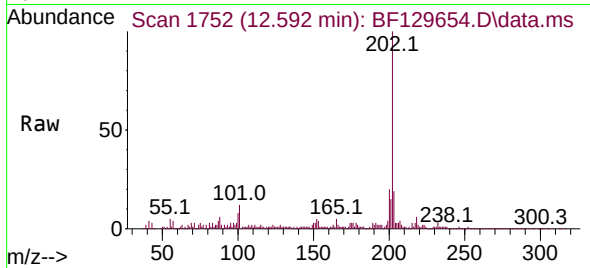
Tgt Ion:178 Resp: 411201
Ion Ratio Lower Upper
178 100
176 18.2 15.4 23.2
179 16.1 12.6 19.0





#75
Fluoranthene
Concen: 14.376 ng
RT: 12.592 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF129654.D
Acq: 09 Aug 2022 03:51

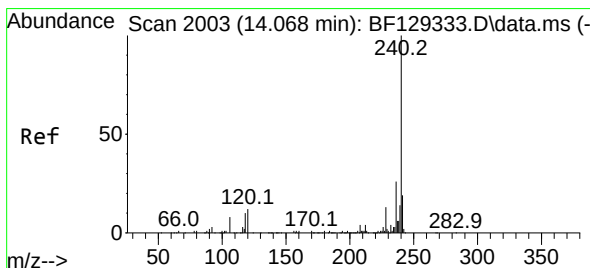
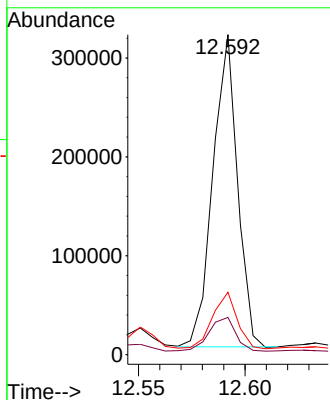
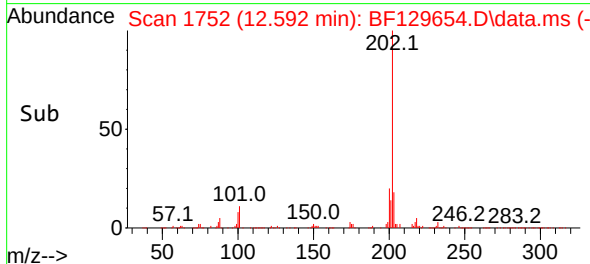
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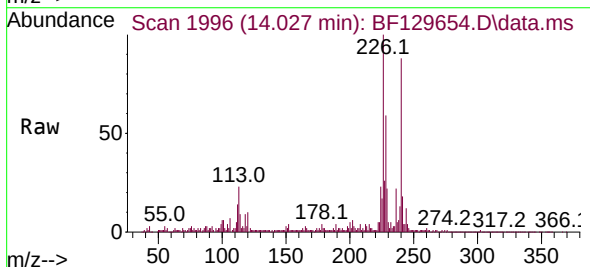
Tgt Ion:202 Resp: 253158
Ion Ratio Lower Upper
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101 11.6 0.0 31.4
203 19.5 0.0 38.0

Manual Integrations
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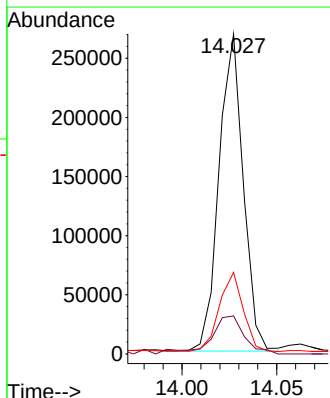
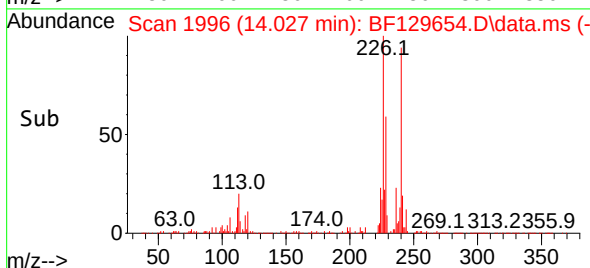
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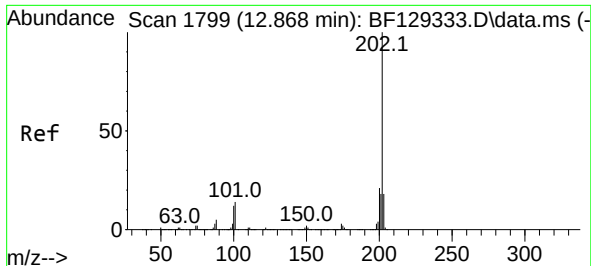


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.027 min Scan# 1996
Delta R.T. -0.000 min
Lab File: BF129654.D
Acq: 09 Aug 2022 03:51



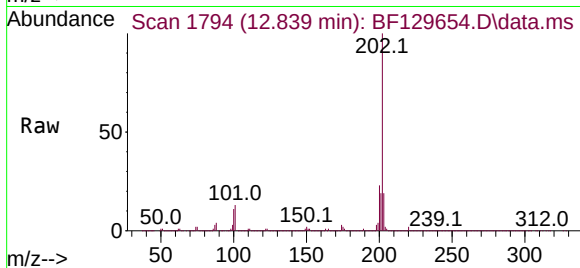
Tgt Ion:240 Resp: 238781
Ion Ratio Lower Upper
240 100
120 11.9 8.9 13.3
236 25.5 20.8 31.2





#78
Pyrene
Concen: 178.898 ng
RT: 12.839 min Scan# 11
Delta R.T. 0.012 min
Lab File: BF129654.D
Acq: 09 Aug 2022 03:51

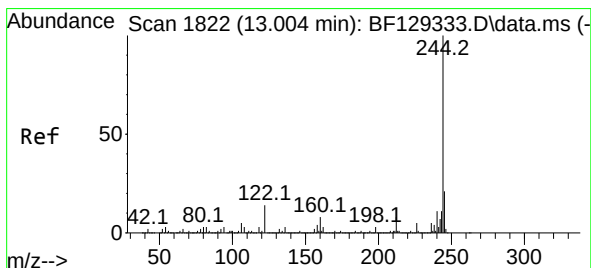
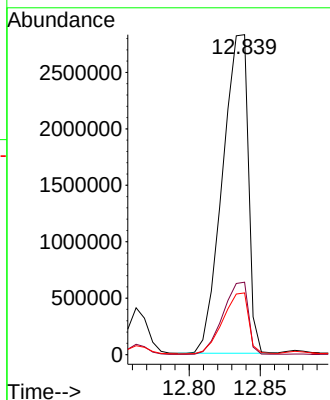
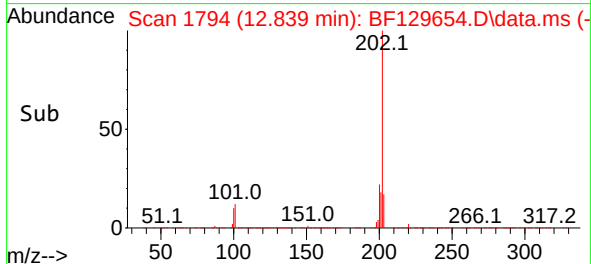
Instrument :
BNA_F
ClientSampleId :
P-5D



Tgt Ion:202 Resp: 3572159
Ion Ratio Lower Upper
202 100
200 22.6 17.7 26.5
203 19.3 14.6 21.8

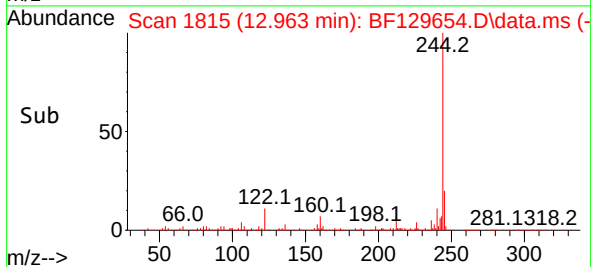
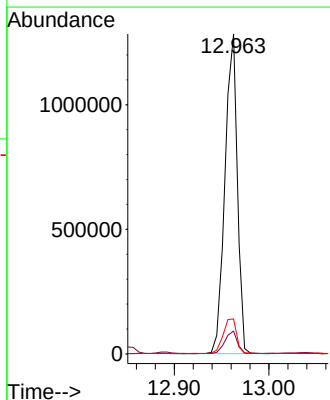
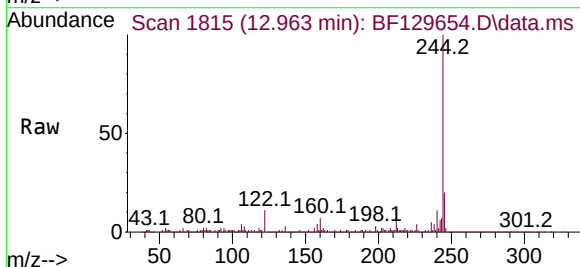
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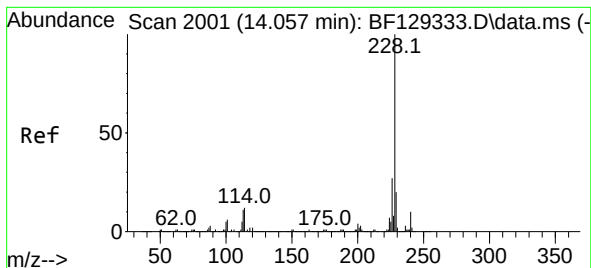
Reviewed By :Christian Giraldo 08/09/2022
Supervised By :Jagrut Upadhyay 08/09/2022



#79
Terphenyl-d14
Concen: 91.968 ng
RT: 12.963 min Scan# 1815
Delta R.T. -0.006 min
Lab File: BF129654.D
Acq: 09 Aug 2022 03:51

Tgt Ion:244 Resp: 1164018
Ion Ratio Lower Upper
244 100
212 7.1 6.1 9.1
122 10.9 8.8 13.2





#81

Benzo(a)anthracene

Concen: 25.313 ng

RT: 14.015 min Scan# 1994

Delta R.T. -0.000 min

Lab File: BF129654.D

Acq: 09 Aug 2022 03:51

Instrument :

BNA_F

ClientSampleId :

P-5D

Tgt Ion:228 Resp: 412886

Ion Ratio Lower Upper

228 100

226 78.3 22.1 33.1

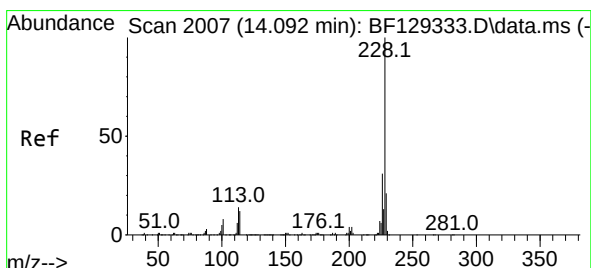
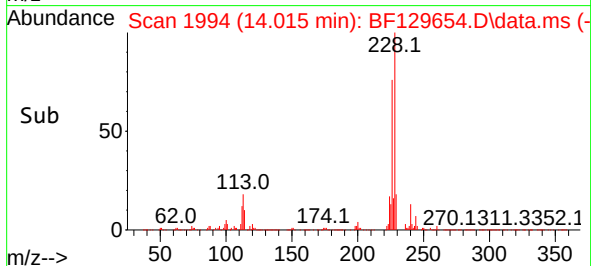
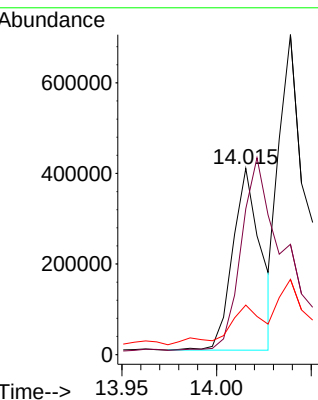
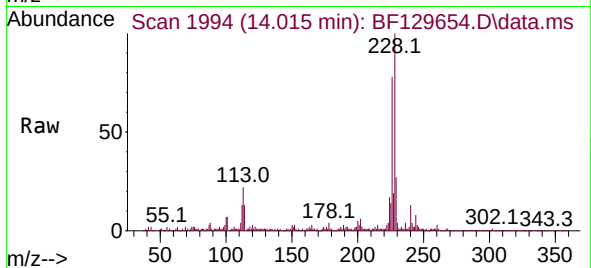
229 26.6 15.8 23.8

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Reviewed By :Christian Giraldo 08/09/2022

Supervised By :Jagrut Upadhyay 08/09/2022



#83

Chrysene

Concen: 46.623 ng

RT: 14.039 min Scan# 1998

Delta R.T. -0.018 min

Lab File: BF129654.D

Acq: 09 Aug 2022 03:51

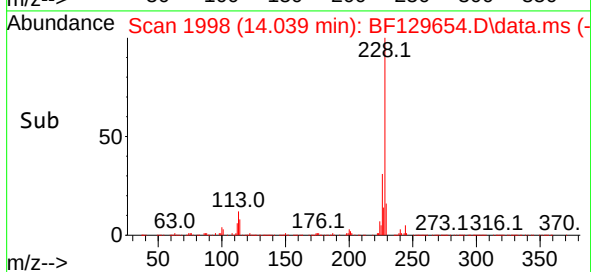
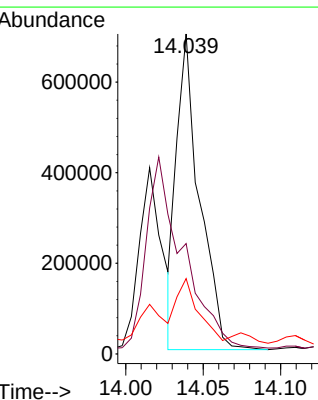
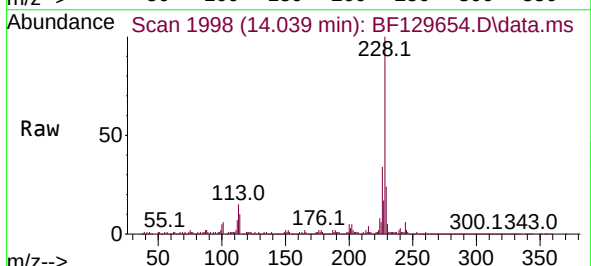
Tgt Ion:228 Resp: 716708

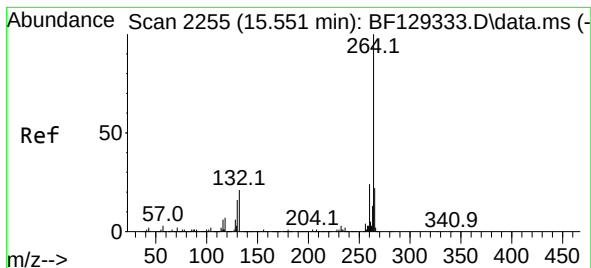
Ion Ratio Lower Upper

228 100

226 34.5 24.3 36.5

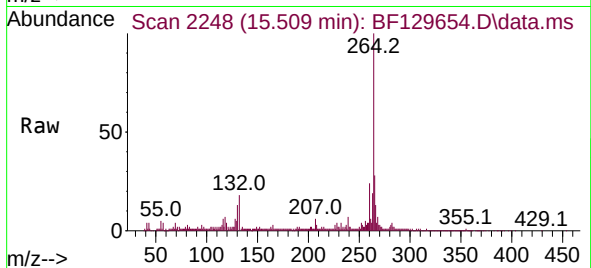
229 23.5 15.9 23.9





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.509 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF129654.D
Acq: 09 Aug 2022 03:51

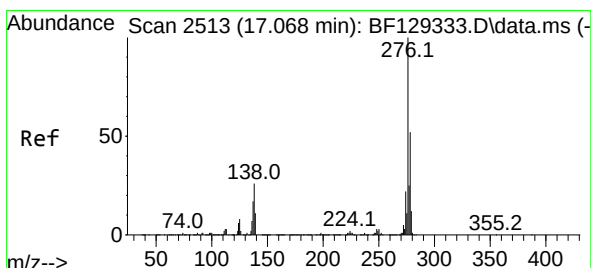
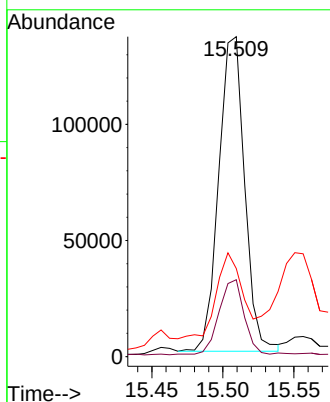
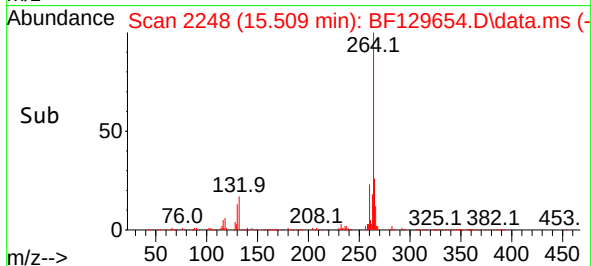
Instrument :
BNA_F
ClientSampleId :
P-5D



Tgt Ion:264 Resp: 171768
Ion Ratio Lower Upper
264 100
260 24.0 18.4 27.6
265 27.5 17.2 25.8

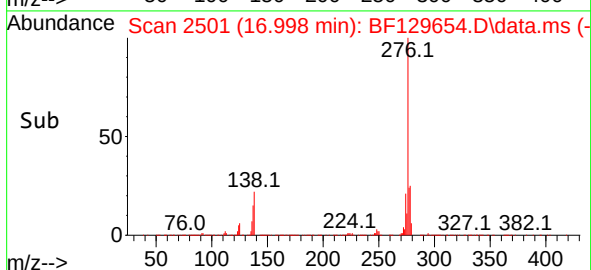
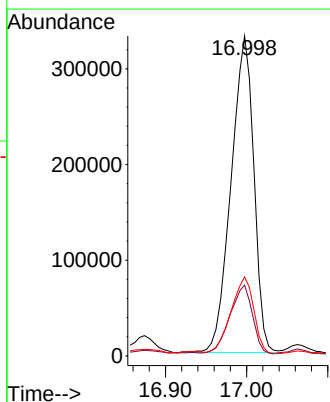
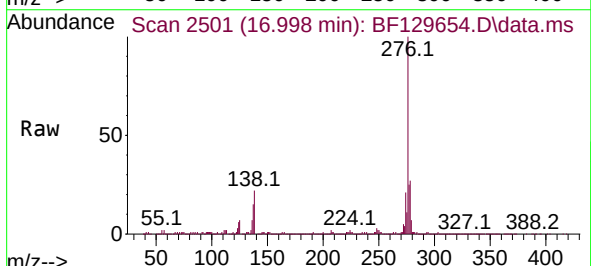
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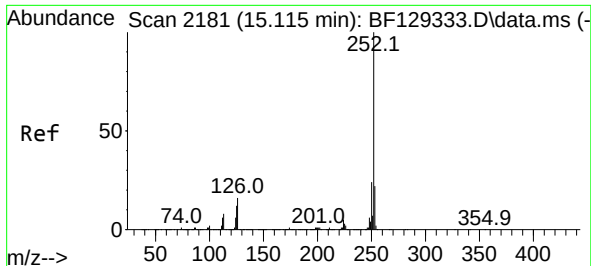
Reviewed By :Christian Giraldo 08/09/2022
Supervised By :Jagrut Upadhyay 08/09/2022



#87
Indeno(1,2,3-cd)pyrene
Concen: 55.883 ng
RT: 16.998 min Scan# 2501
Delta R.T. -0.000 min
Lab File: BF129654.D
Acq: 09 Aug 2022 03:51

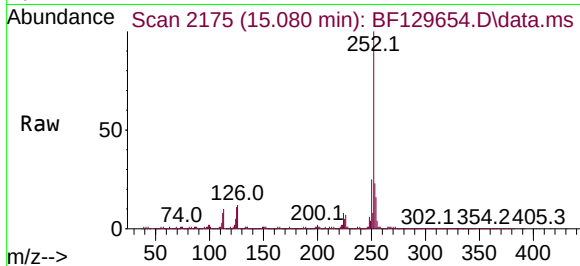
Tgt Ion:276 Resp: 646405
Ion Ratio Lower Upper
276 100
138 21.5 21.1 31.7
277 24.1 20.3 30.5





#88
Benzo(b)fluoranthene
Concen: 103.066 ng m
RT: 15.080 min Scan# 2175
Delta R.T. 0.012 min
Lab File: BF129654.D
Acq: 09 Aug 2022 03:51

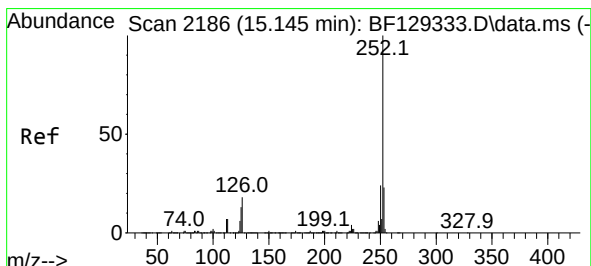
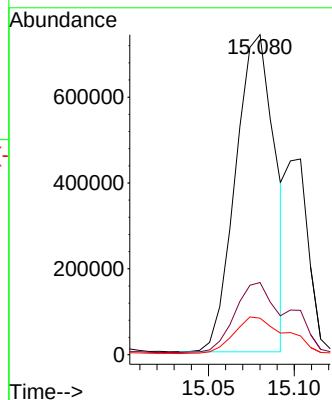
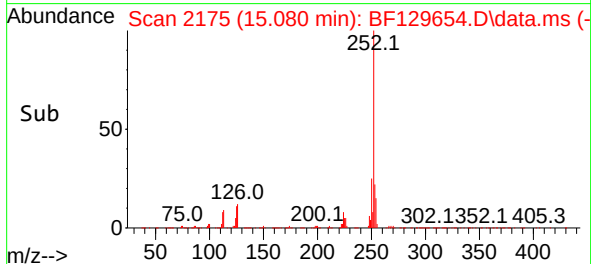
Instrument :
BNA_F
ClientSampleId :
P-5D



Tgt Ion:252 Resp: 1174328
Ion Ratio Lower Upper
252 100
253 22.5 17.7 26.5
125 11.4 8.0 12.0

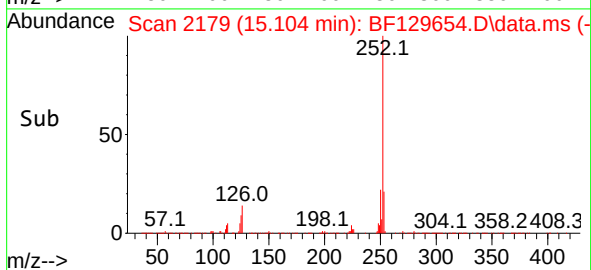
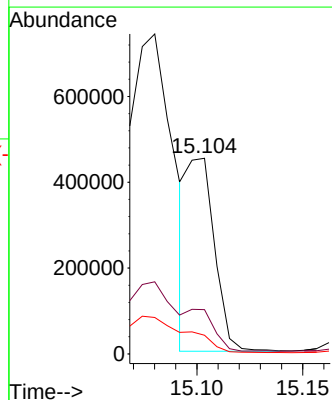
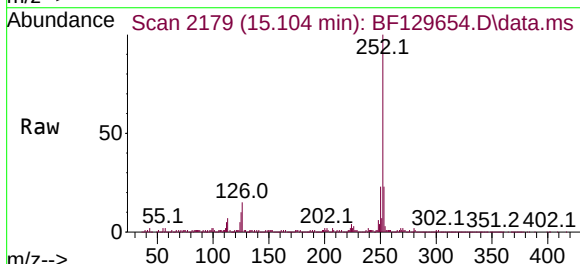
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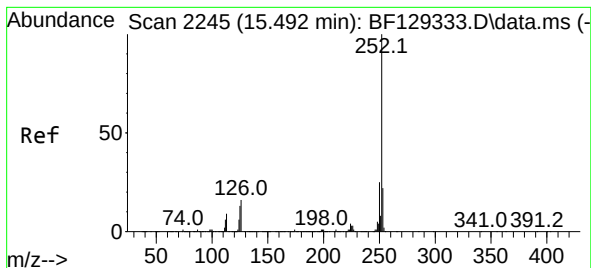
Reviewed By :Christian Giraldo 08/09/2022
Supervised By :Jagrut Upadhyay 08/09/2022



#89
Benzo(k)fluoranthene
Concen: 35.871 ng m
RT: 15.104 min Scan# 2179
Delta R.T. -0.000 min
Lab File: BF129654.D
Acq: 09 Aug 2022 03:51

Tgt Ion:252 Resp: 400525
Ion Ratio Lower Upper
252 100
253 22.6 17.8 26.6
125 9.5 8.3 12.5





#90

Benzo(a)pyrene

Concen: 129.864 ng

RT: 15.451 min Scan# 2245

Delta R.T. 0.012 min

Lab File: BF129654.D

Acq: 09 Aug 2022 03:51

Instrument :

BNA_F

ClientSampleId :

P-5D

Tgt Ion:252 Resp: 1201149

Ion Ratio Lower Upper

252 100

253 22.4 17.0 25.6

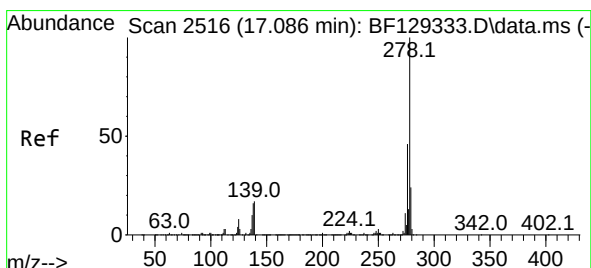
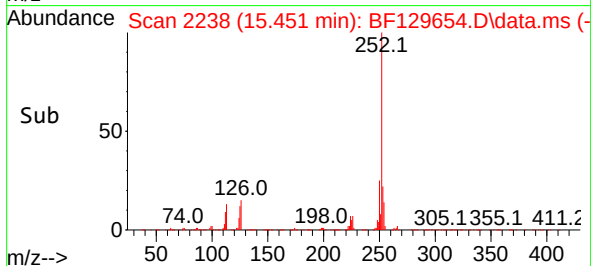
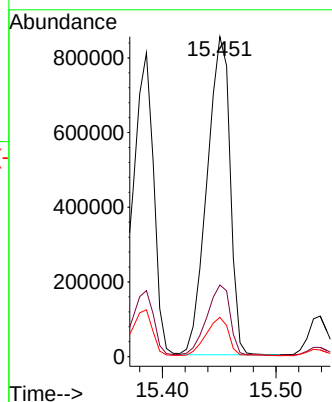
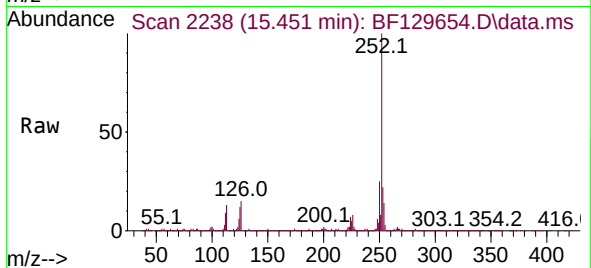
125 12.3 8.8 13.2

Manual Integrations

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Reviewed By :Christian Giraldo 08/09/2022

Supervised By :Jagrut Upadhyay 08/09/2022



#91

Dibenzo(a,h)anthracene

Concen: 21.306 ng m

RT: 16.998 min Scan# 2501

Delta R.T. -0.012 min

Lab File: BF129654.D

Acq: 09 Aug 2022 03:51

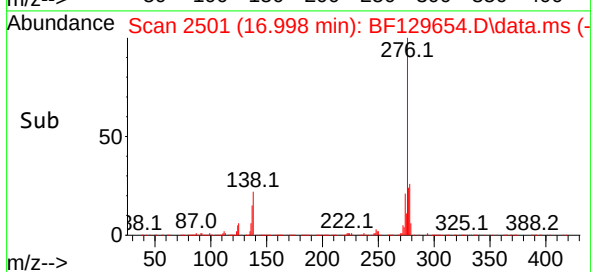
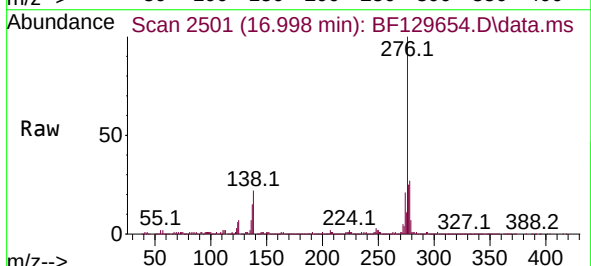
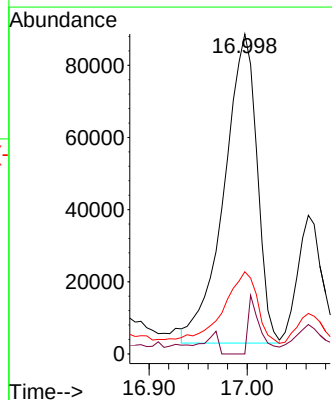
Tgt Ion:278 Resp: 200581

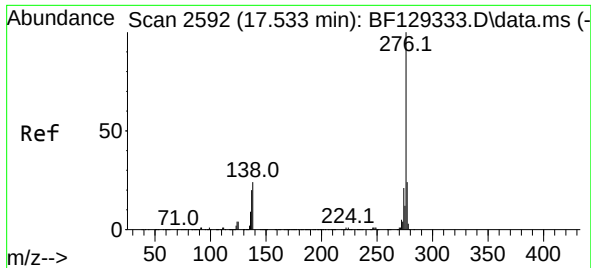
Ion Ratio Lower Upper

278 100

139 0.0 12.8 19.2#

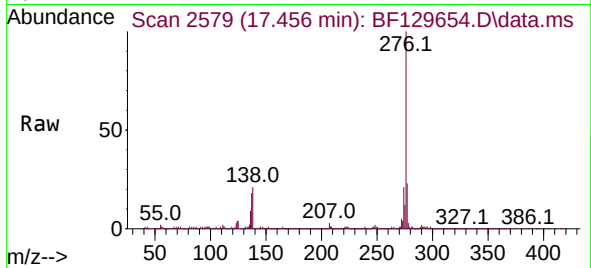
279 25.7 18.6 28.0





#92
 Benzo(g,h,i)perylene
 Concen: 73.528 ng
 RT: 17.456 min Scan# 2579
 Delta R.T. 0.006 min
 Lab File: BF129654.D
 Acq: 09 Aug 2022 03:51

Instrument :
 BNA_F
 ClientSampleId :
 P-5D



Tgt Ion: 276 Resp: 707344
 Ion Ratio Lower Upper
 276 100
 277 23.5 19.1 28.7
 138 20.7 18.0 27.0

Manual Integrations
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Reviewed By : Christian Giraldo 08/09/2022
 Supervised By : Jagrut Upadhyay 08/09/2022

