

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071522\
 Data File : BF129252.D
 Acq On : 15 Jul 2022 22:35
 Operator : CG\JU
 Sample : N3730-04
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-02-COMP

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 07/18/2022
 Supervised By : Jagrut Upadhyay 07/18/2022

Quant Time: Jul 16 01:43:44 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 15 12:55:49 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.898	152	239054	20.000	ng	0.00
21) Naphthalene-d8	8.181	136	940941	20.000	ng	0.00
39) Acenaphthene-d10	9.933	164	463757	20.000	ng	0.00
64) Phenanthrene-d10	11.427	188	689291	20.000	ng	# 0.00
76) Chrysene-d12	14.074	240	428354	20.000	ng	# 0.00
86) Perylene-d12	15.568	264	471863	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	1307902	87.377	ng	0.00
7) Phenol-d6	6.522	99	1678567	86.705	ng	0.00
23) Nitrobenzene-d5	7.457	82	1059642	60.198	ng	-0.01
42) 2,4,6-Tribromophenol	10.728	330	340920	79.202	ng	0.00
45) 2-Fluorobiphenyl	9.251	172	1805166	65.946	ng	-0.01
79) Terphenyl-d14	13.010	244	1432225	62.548	ng	0.00
Target Compounds						Qvalue
49) Acenaphthylene	9.798	152	171529	4.411	ng	97
52) Acenaphthene	9.969	154	155150	6.104	ng	99
55) Dibenzofuran	10.139	168	149528	4.144	ng	99
58) Fluorene	10.480	166	262371	9.560	ng	99
71) Phenanthrene	11.457	178	2225953	63.606	ng	99
72) Anthracene	11.504	178	799721	23.005	ng	98
73) Carbazole	11.651	167	126962	3.661	ng	99
75) Fluoranthene	12.645	202	2836362	81.379	ng	95
78) Pyrene	12.880	202	2519110	72.608	ng	99
81) Benzo(a)anthracene	14.063	228	1502759	55.618	ng	96
83) Chrysene	14.098	228	1264556	49.033	ng	97
87) Indeno(1,2,3-cd)pyrene	17.074	276	762553	25.916	ng	96
88) Benzo(b)fluoranthene	15.133	252	1759655m	60.703	ng	
89) Benzo(k)fluoranthene	15.157	252	672499m	23.745	ng	
90) Benzo(a)pyrene	15.510	252	1318525	55.872	ng	96
91) Dibenzo(a,h)anthracene	17.086	278	188514	7.921	ng	# 90
92) Benzo(g,h,i)perylene	17.539	276	679839	27.944	ng	95

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

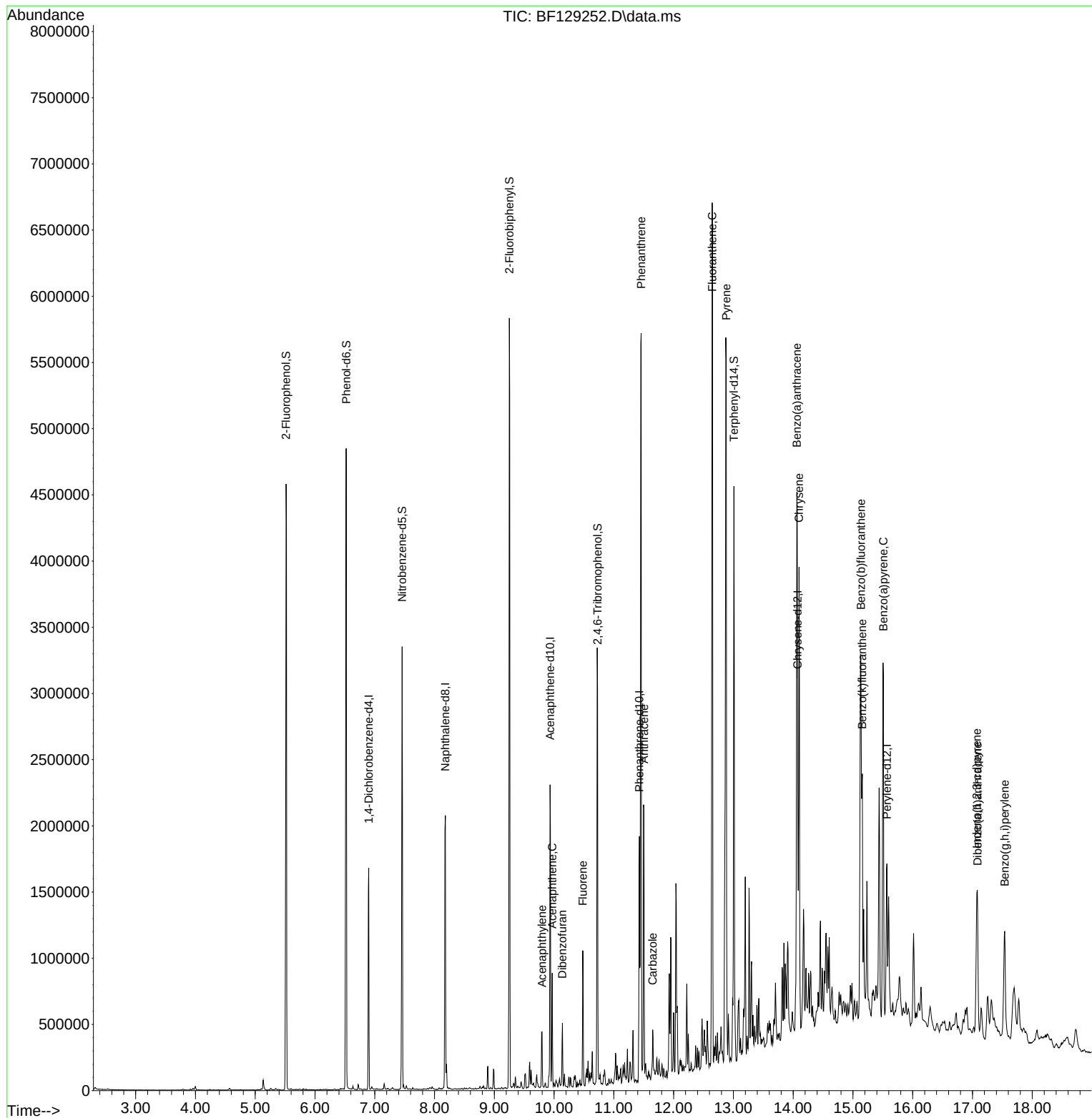
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071522\
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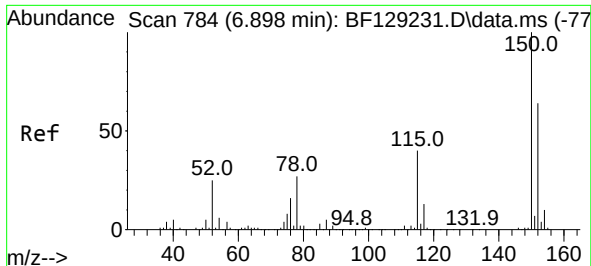
Instrument :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071522.M
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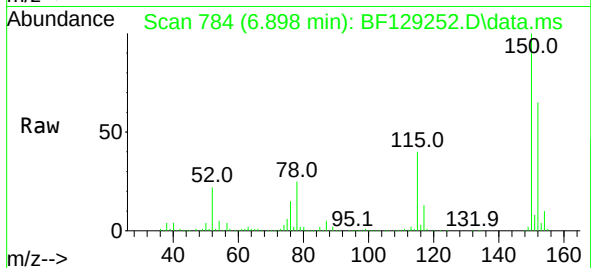
Reviewed By :Christian Giraldo 07/18/2022
Supervised By :Jagrut Upadhyay 07/18/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.898 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF129252.D
Acq: 15 Jul 2022 22:35

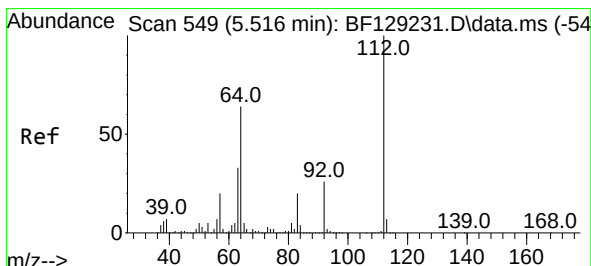
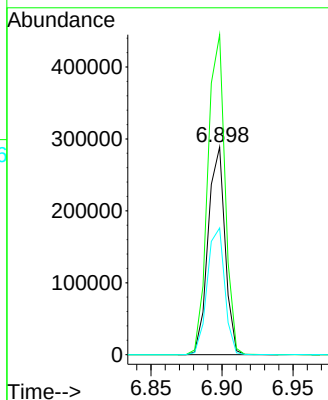
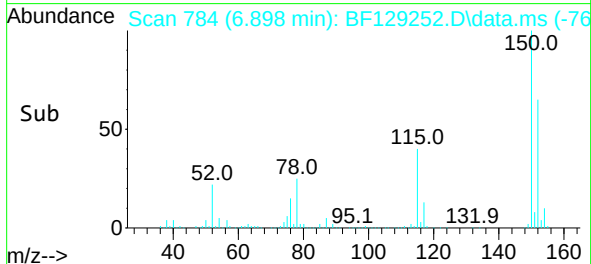
Instrument :
BNA_F
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SB-02-COMP



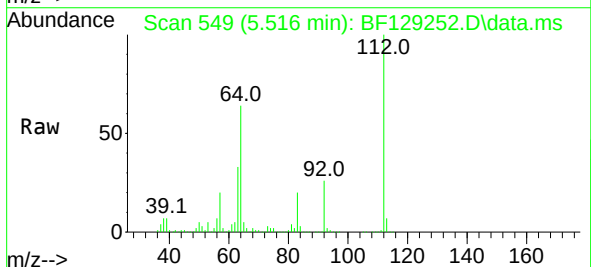
Tgt Ion:152 Resp: 239054
Ion Ratio Lower Upper
152 100
150 154.0 123.7 185.5
115 61.0 49.9 74.9

Manual Integrations
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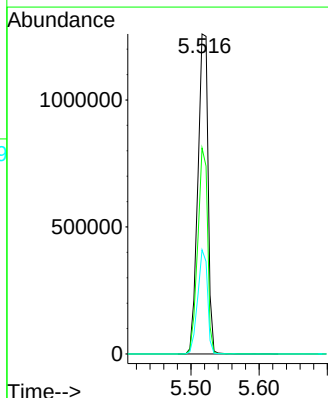
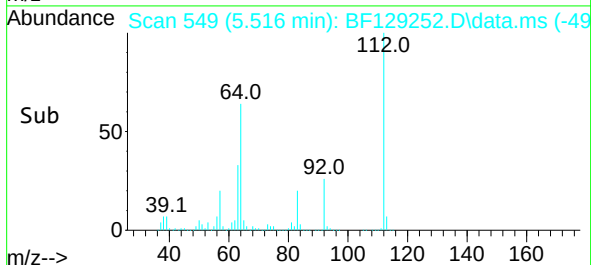
Reviewed By :Christian Giraldo 07/18/2022
Supervised By :Jagrut Upadhyay 07/18/2022

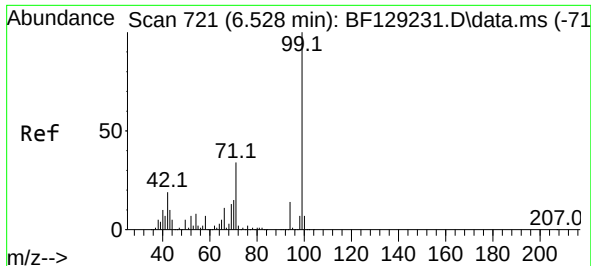


#5
2-Fluorophenol
Concen: 87.377 ng
RT: 5.516 min Scan# 549
Delta R.T. 0.000 min
Lab File: BF129252.D
Acq: 15 Jul 2022 22:35



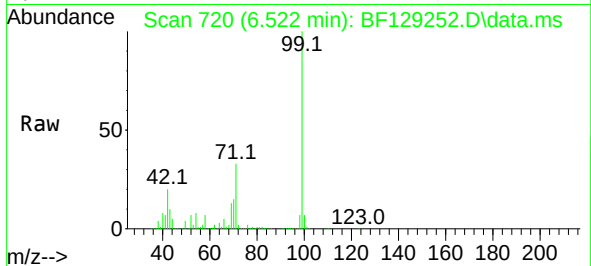
Tgt Ion:112 Resp: 1307902
Ion Ratio Lower Upper
112 100
64 64.4 53.3 79.9
63 32.6 28.0 42.0





#7
Phenol-d6
Concen: 86.705 ng
RT: 6.522 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF129252.D
Acq: 15 Jul 2022 22:35

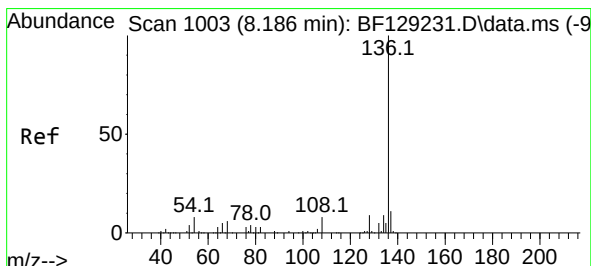
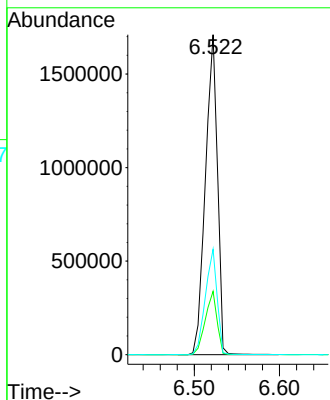
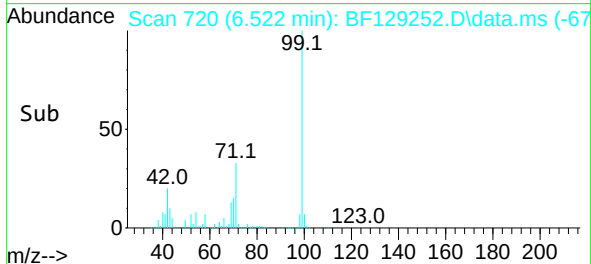
Instrument :
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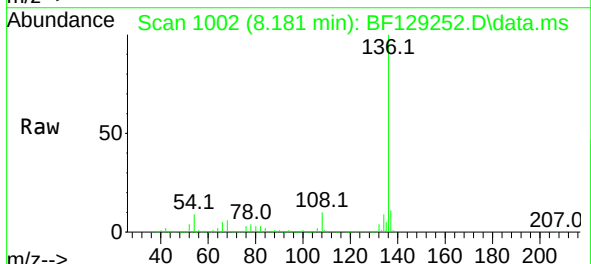
Tgt Ion: 99 Resp: 167856
Ion Ratio Lower Upper
99 100
42 19.8 17.3 25.9
71 33.0 28.9 43.3

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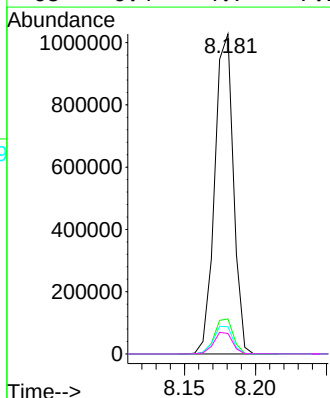
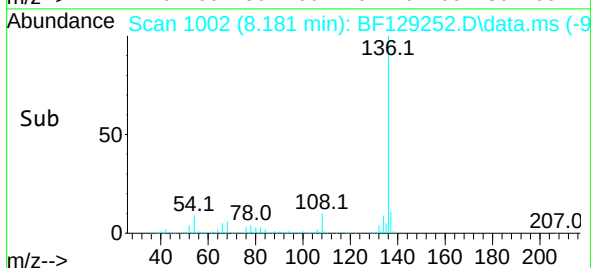
Reviewed By :Christian Giraldo 07/18/2022
Supervised By :Jagrut Upadhyay 07/18/2022

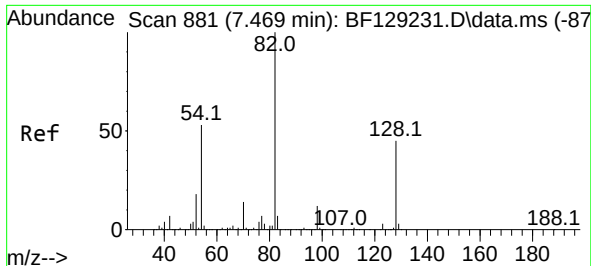


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.181 min Scan# 1002
Delta R.T. -0.006 min
Lab File: BF129252.D
Acq: 15 Jul 2022 22:35



Tgt Ion:136 Resp: 940941
Ion Ratio Lower Upper
136 100
137 10.9 8.8 13.2
54 8.5 7.5 11.3
68 6.4 4.7 7.1





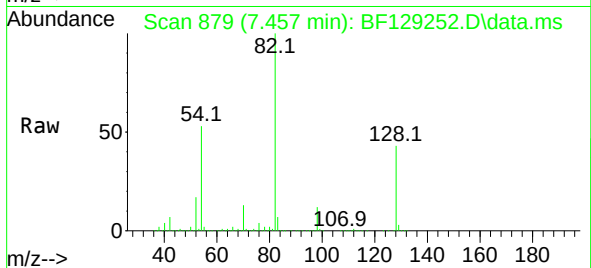
#23
Nitrobenzene-d5
Concen: 60.198 ng
RT: 7.457 min Scan# 81
Delta R.T. -0.012 min
Lab File: BF129252.D
Acq: 15 Jul 2022 22:35

Instrument :

BNA_F

ClientSampleId :

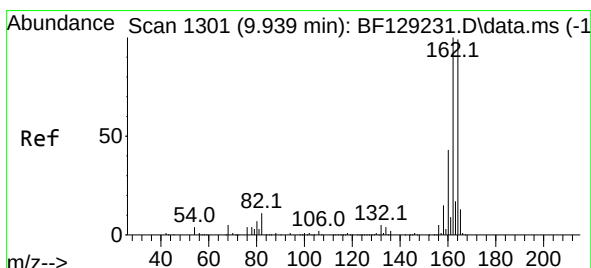
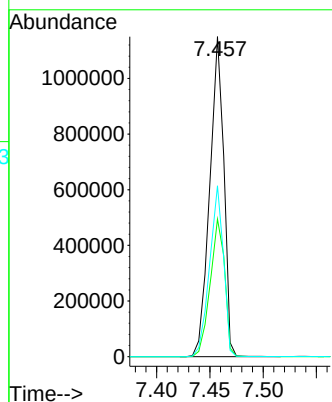
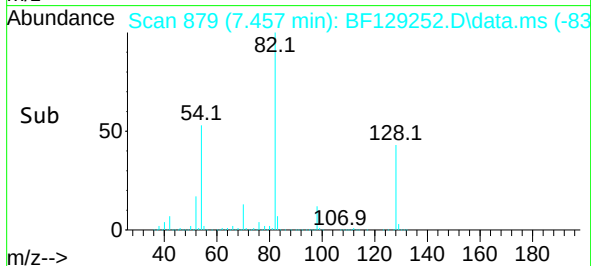
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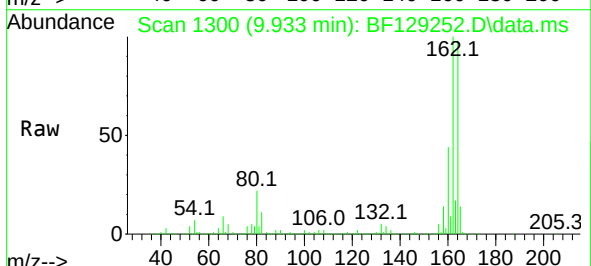
Tgt Ion: 82 Resp: 105964
Ion Ratio Lower Upper
82 100
128 43.0 34.0 51.0
54 53.4 46.9 70.3

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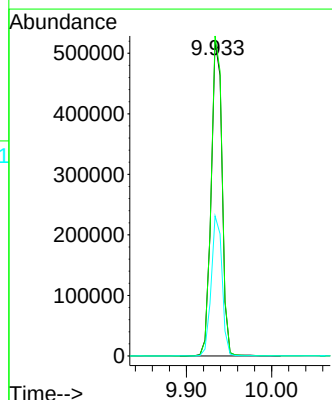
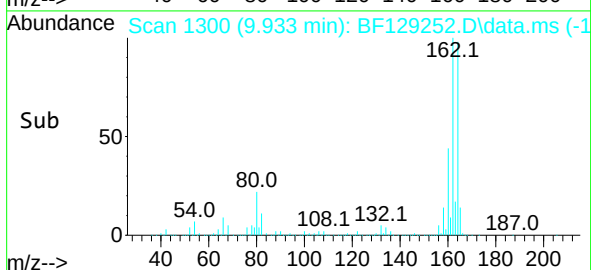
Reviewed By :Christian Giraldo 07/18/2022
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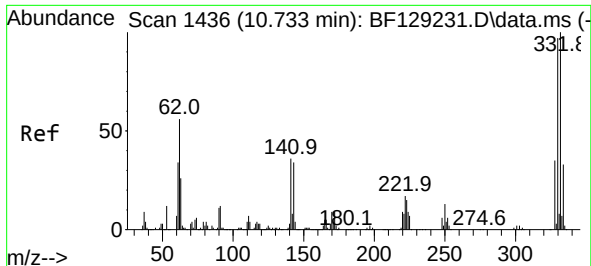


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.933 min Scan# 1300
Delta R.T. -0.006 min
Lab File: BF129252.D
Acq: 15 Jul 2022 22:35



Tgt Ion:164 Resp: 463757
Ion Ratio Lower Upper
164 100
162 101.6 79.5 119.3
160 44.4 34.2 51.4





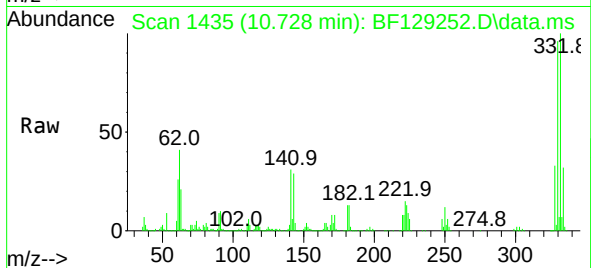
#42
2,4,6-Tribromophenol
Concen: 79.202 ng
RT: 10.728 min Scan# 1435
Delta R.T. -0.006 min
Lab File: BF129252.D
Acq: 15 Jul 2022 22:35

Instrument :

BNA_F

ClientSampleId :

SB-02-COMP

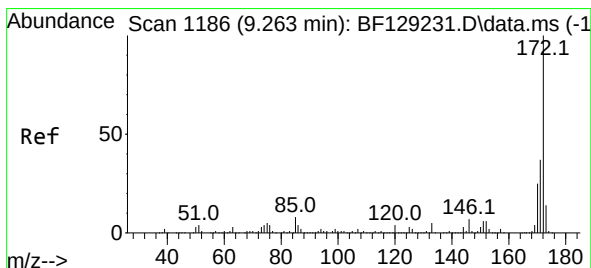
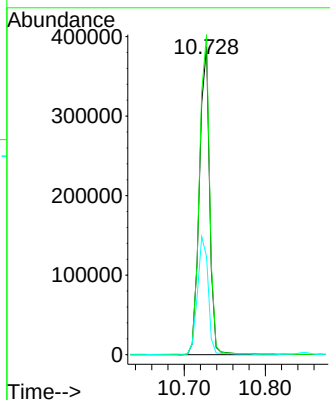
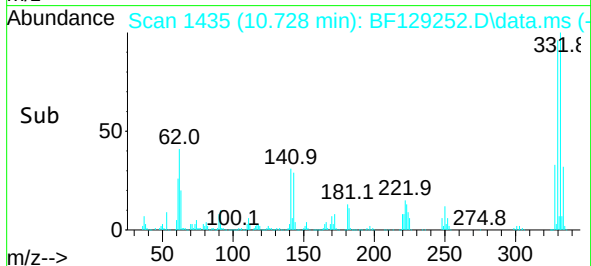


Tgt Ion: 330 Resp: 340920
Ion Ratio Lower Upper
330 100
332 104.2 76.8 115.2
141 40.3 28.0 42.0

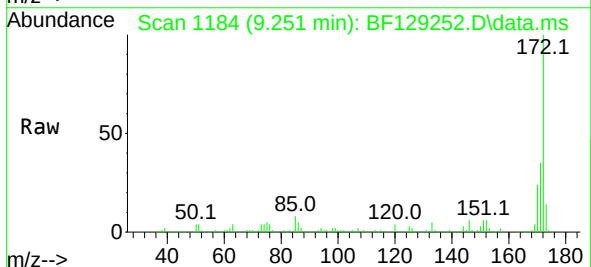
Manual Integrations

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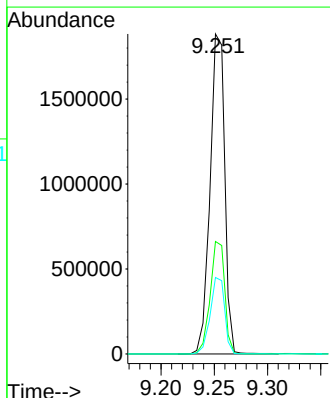
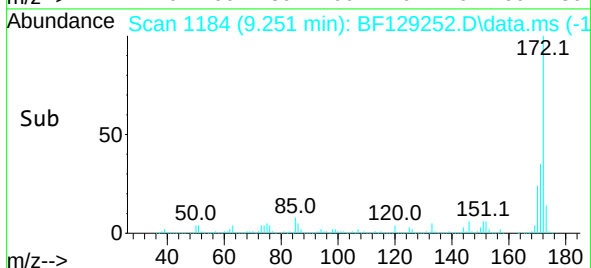
Reviewed By : Christian Giraldo 07/18/2022
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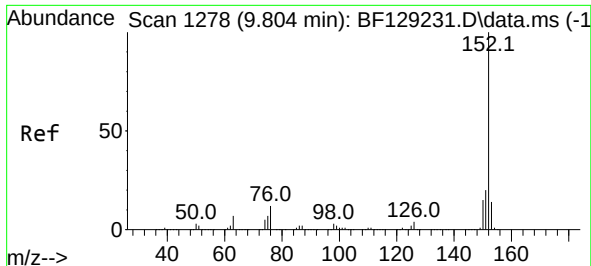


#45
2-Fluorobiphenyl
Concen: 65.946 ng
RT: 9.251 min Scan# 1184
Delta R.T. -0.012 min
Lab File: BF129252.D
Acq: 15 Jul 2022 22:35



Tgt Ion: 172 Resp: 1805166
Ion Ratio Lower Upper
172 100
171 35.1 28.8 43.2
170 23.9 19.8 29.8





#49

Acenaphthylene

Concen: 4.411 ng

RT: 9.798 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF129252.D

Acq: 15 Jul 2022 22:35

Instrument :

BNA_F

ClientSampleId :

SB-02-COMP

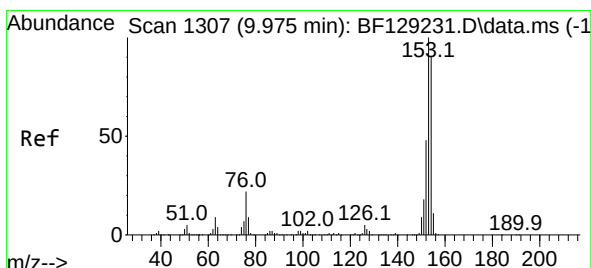
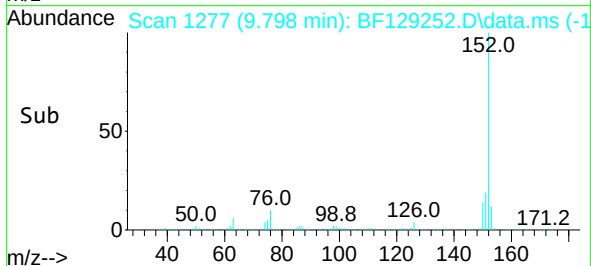
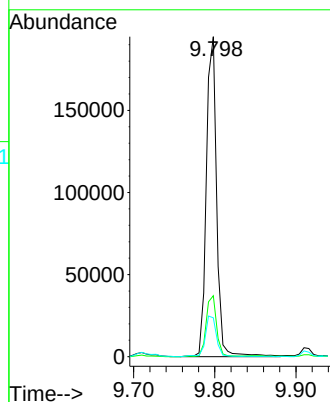
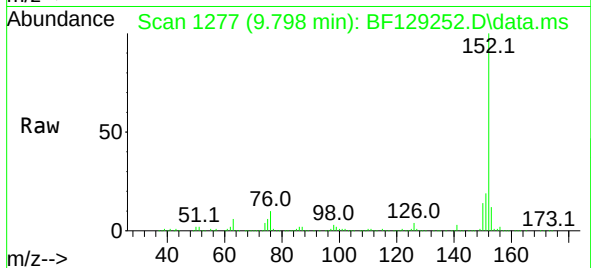
Tgt Ion:152 Resp: 171529

Ion	Ratio	Lower	Upper
152	100		
151	19.1	16.2	24.4
153	12.2	10.7	16.1

Manual Integrations

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#52

Acenaphthene

Concen: 6.104 ng

RT: 9.969 min Scan# 1306

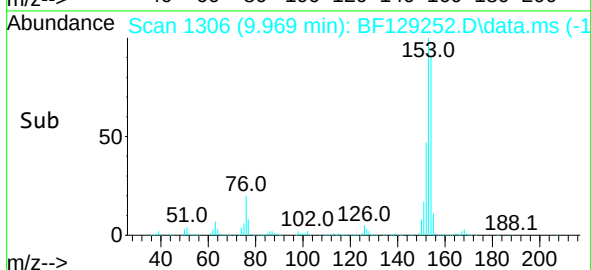
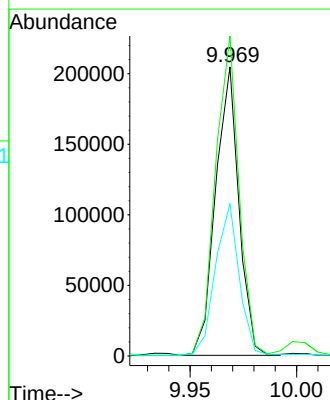
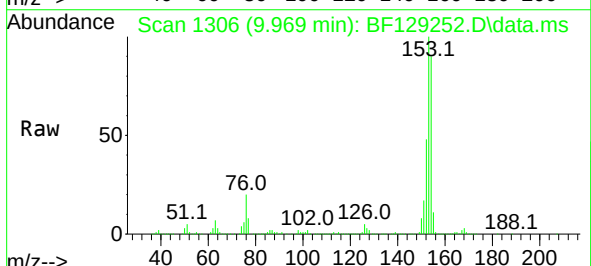
Delta R.T. -0.006 min

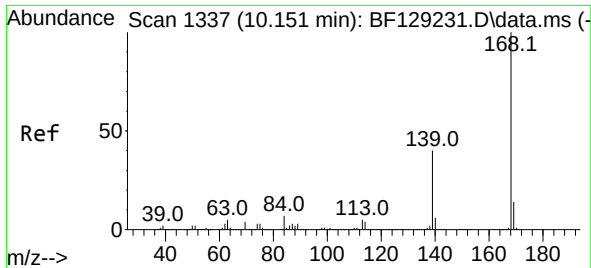
Lab File: BF129252.D

Acq: 15 Jul 2022 22:35

Tgt Ion:154 Resp: 155150

Ion	Ratio	Lower	Upper
154	100		
153	110.7	89.6	134.4
152	52.6	42.4	63.6





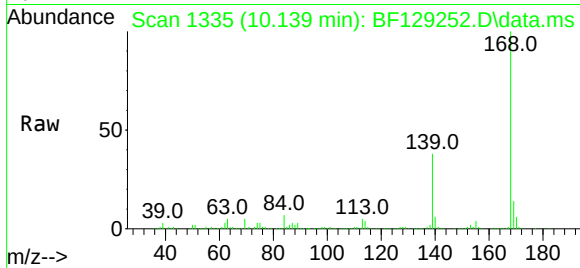
#55
Dibenzenofuran
Concen: 4.144 ng
RT: 10.139 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF129252.D
Acq: 15 Jul 2022 22:35

Instrument :

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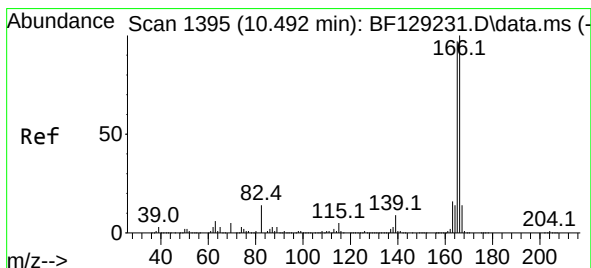
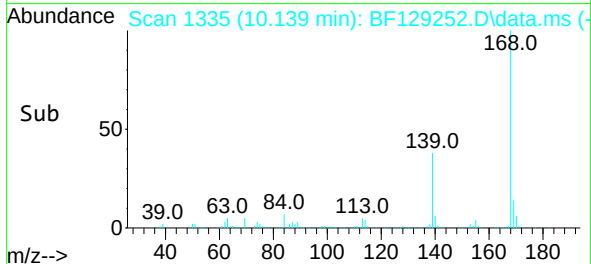
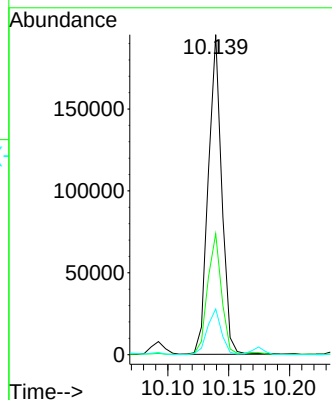


Tgt Ion:168 Resp: 149528
Ion Ratio Lower Upper
168 100
139 37.8 30.6 46.0
169 14.3 11.0 16.6

Manual Integrations

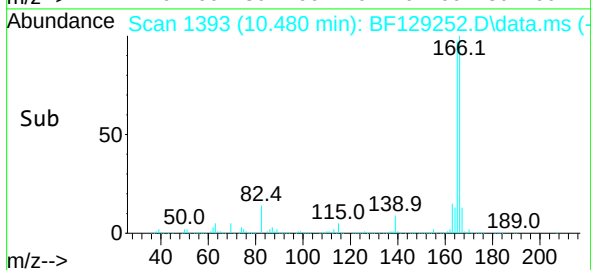
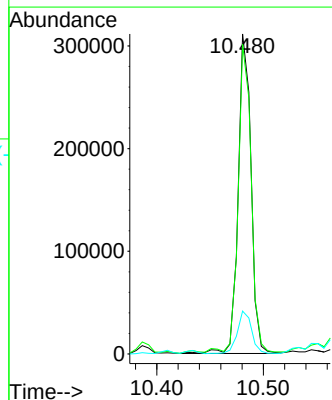
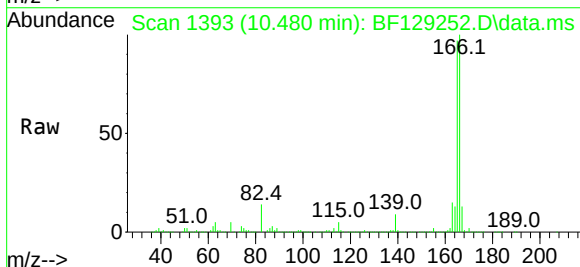
APPROVED

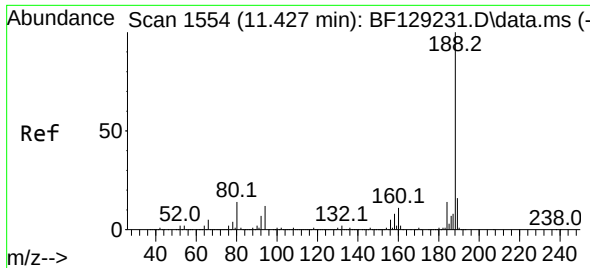
Reviewed By :Christian Giraldo 07/18/2022
Supervised By :Jagrut Upadhyay 07/18/2022



#58
Fluorene
Concen: 9.560 ng
RT: 10.480 min Scan# 1393
Delta R.T. -0.012 min
Lab File: BF129252.D
Acq: 15 Jul 2022 22:35

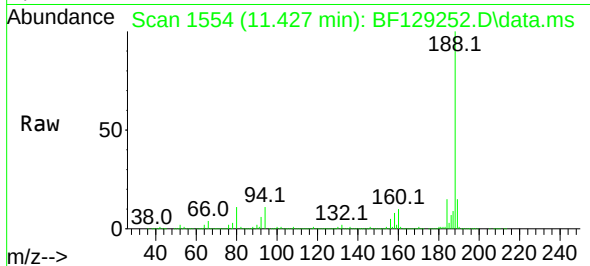
Tgt Ion:166 Resp: 262371
Ion Ratio Lower Upper
166 100
165 96.7 78.1 117.1
167 13.4 10.5 15.7





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.427 min Scan# 1554
Delta R.T. 0.000 min
Lab File: BF129252.D
Acq: 15 Jul 2022 22:35

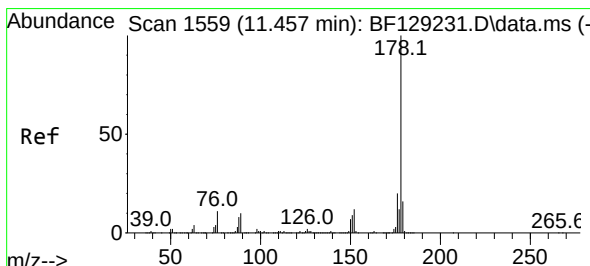
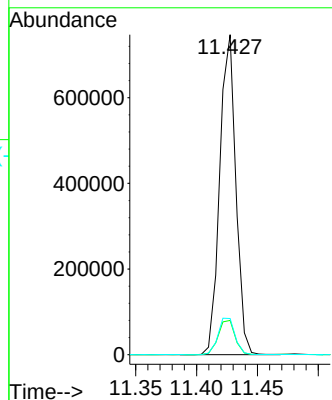
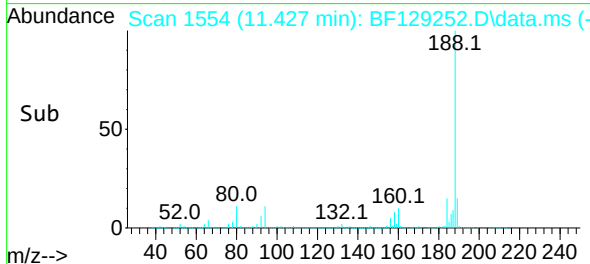
Instrument :
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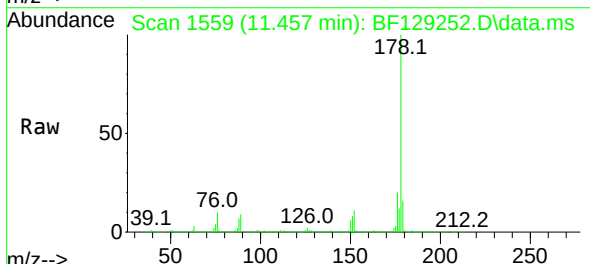
Tgt Ion:188 Resp: 68929
Ion Ratio Lower Upper
188 100
94 10.7 7.0 10.6
80 11.3 7.6 11.4

Manual Integrations
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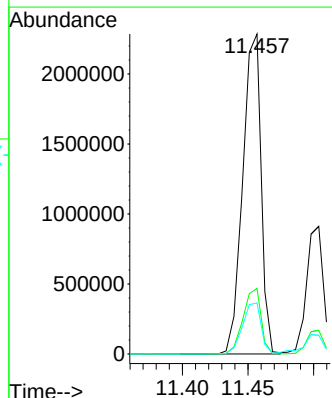
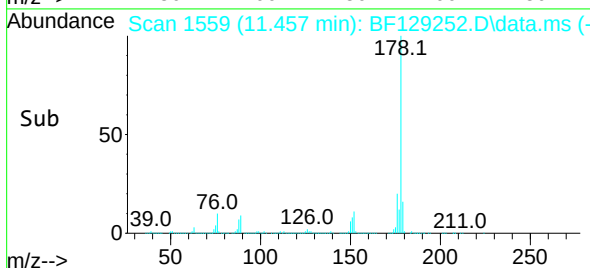
Reviewed By :Christian Giraldo 07/18/2022
Supervised By :Jagrut Upadhyay 07/18/2022

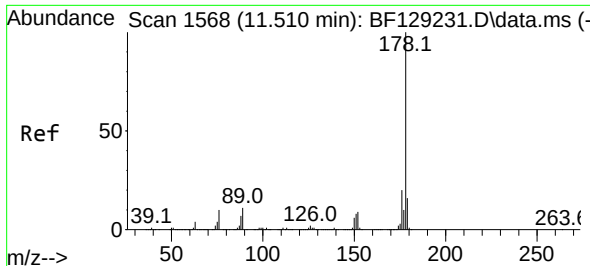


#71
Phenanthrene
Concen: 63.606 ng
RT: 11.457 min Scan# 1559
Delta R.T. 0.000 min
Lab File: BF129252.D
Acq: 15 Jul 2022 22:35



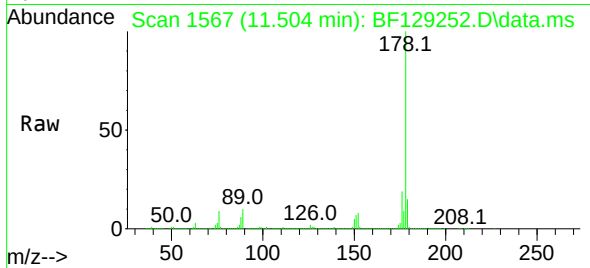
Tgt Ion:178 Resp: 2225953
Ion Ratio Lower Upper
178 100
176 20.5 16.0 24.0
179 16.0 12.6 19.0





#72
 Anthracene
 Concen: 23.005 ng
 RT: 11.504 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF129252.D
 Acq: 15 Jul 2022 22:35

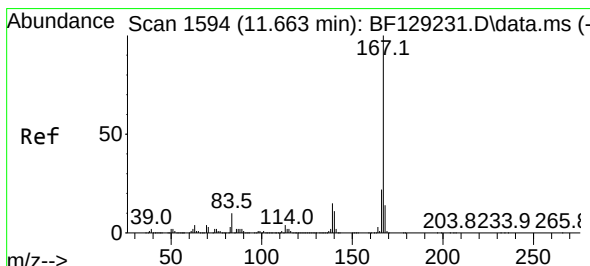
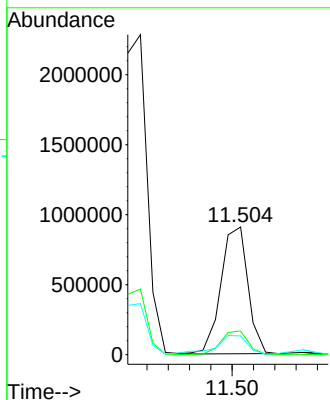
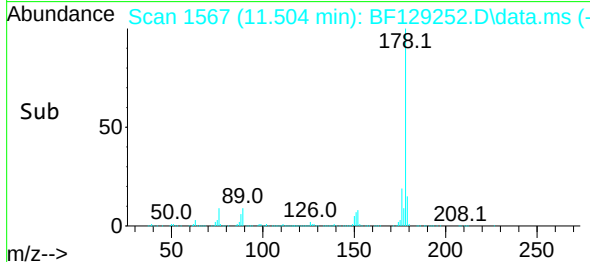
Instrument :
 BNA_F
 ClientSampleId :
 SB-02-COMP



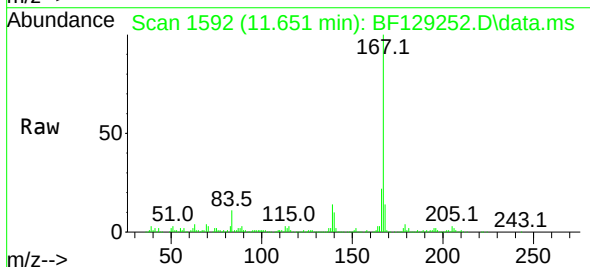
Tgt Ion:178 Resp: 79972
 Ion Ratio Lower Upper
 178 100
 176 18.6 15.4 23.2
 179 14.7 12.6 19.0

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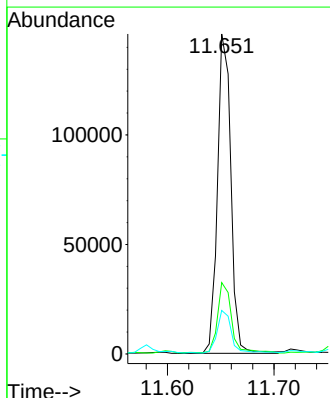
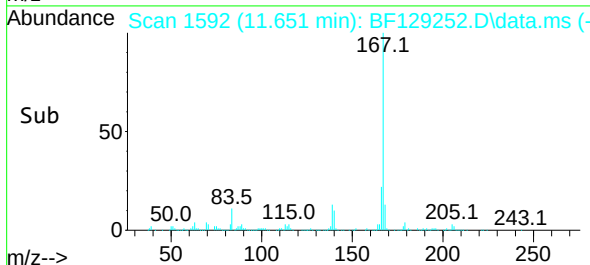
Reviewed By :Christian Giraldo 07/18/2022
 Supervised By :Jagrut Upadhyay 07/18/2022

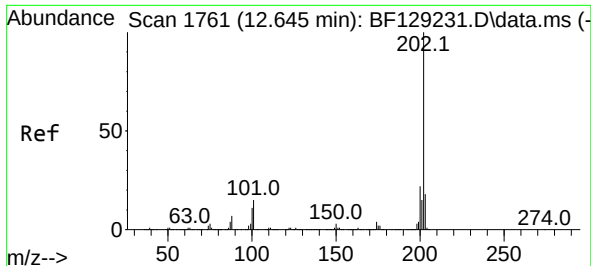


#73
 Carbazole
 Concen: 3.661 ng
 RT: 11.651 min Scan# 1592
 Delta R.T. -0.012 min
 Lab File: BF129252.D
 Acq: 15 Jul 2022 22:35



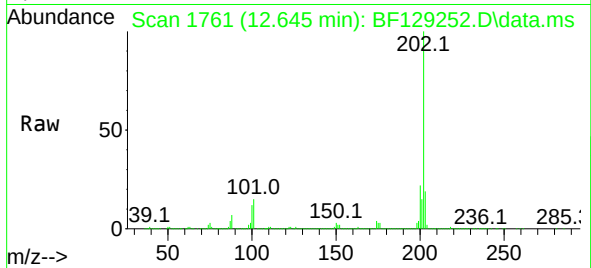
Tgt Ion:167 Resp: 126962
 Ion Ratio Lower Upper
 167 100
 166 22.3 17.7 26.5
 139 13.6 11.2 16.8





#75
Fluoranthene
Concen: 81.379 ng
RT: 12.645 min Scan# 1761
Delta R.T. 0.000 min
Lab File: BF129252.D
Acq: 15 Jul 2022 22:35

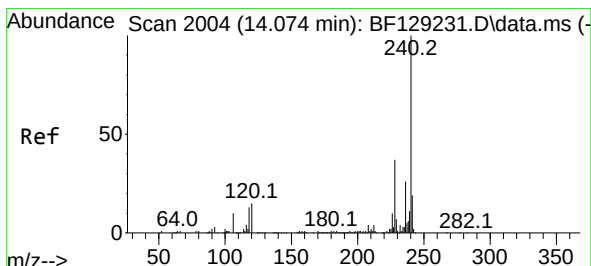
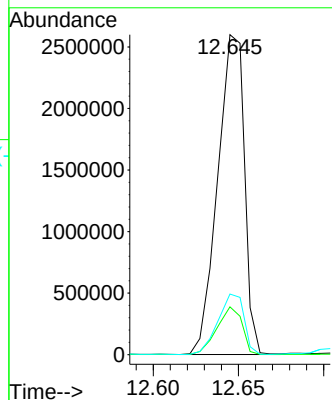
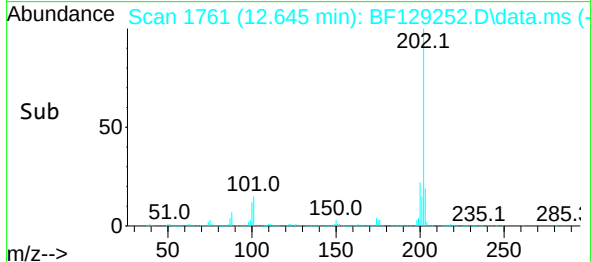
Instrument :
BNA_F
ClientSampleId :
SB-02-COMP



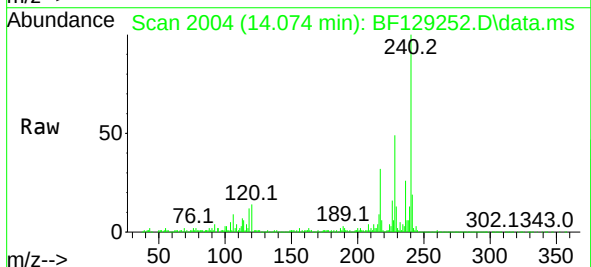
Tgt Ion:202 Resp: 283636
Ion Ratio Lower Upper
202 100
101 15.0 0.0 31.4
203 18.9 0.0 38.0

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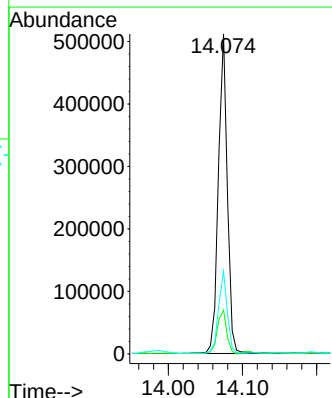
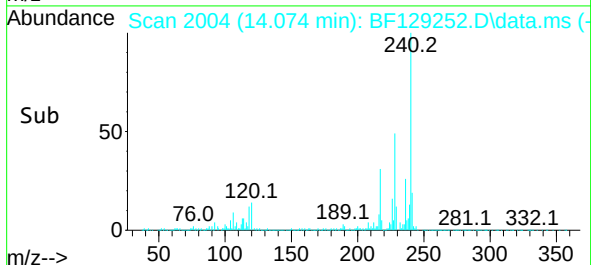
Reviewed By :Christian Giraldo 07/18/2022
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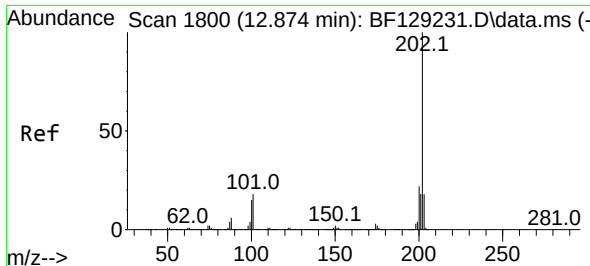


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.074 min Scan# 2004
Delta R.T. 0.000 min
Lab File: BF129252.D
Acq: 15 Jul 2022 22:35



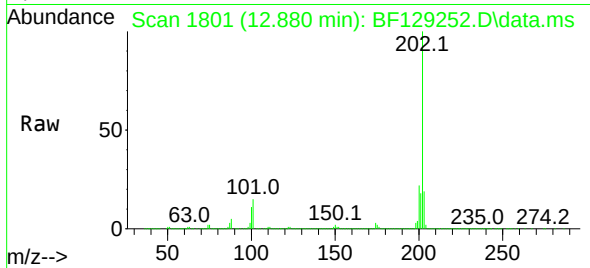
Tgt Ion:240 Resp: 428354
Ion Ratio Lower Upper
240 100
120 13.7 8.9 13.3#
236 25.8 20.8 31.2





#78
Pyrene
Concen: 72.608 ng
RT: 12.880 min Scan# 1801
Delta R.T. 0.006 min
Lab File: BF129252.D
Acq: 15 Jul 2022 22:35

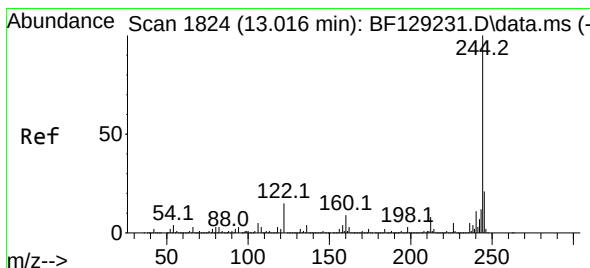
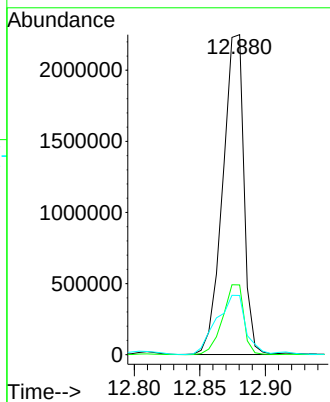
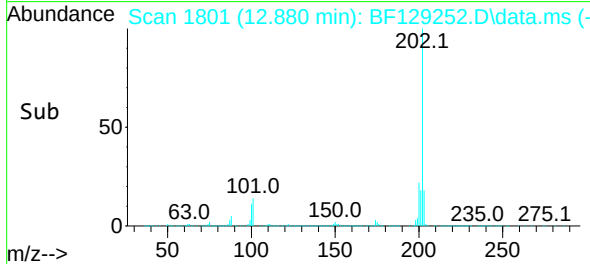
Instrument :
BNA_F
ClientSampleId :
SB-02-COMP



Tgt Ion:202 Resp: 2519110
Ion Ratio Lower Upper
202 100
200 21.8 17.7 26.5
203 18.5 14.6 21.8

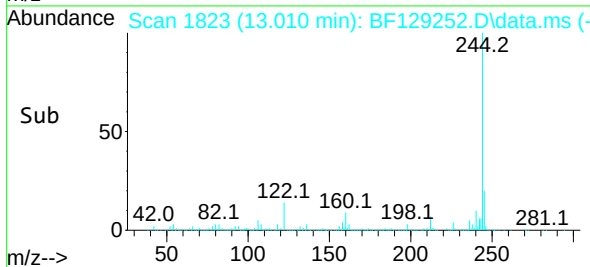
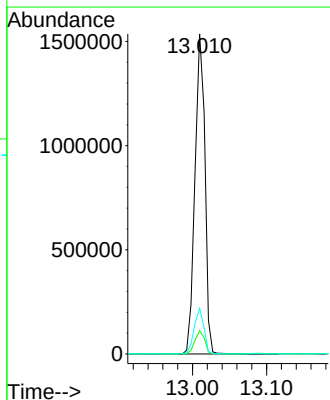
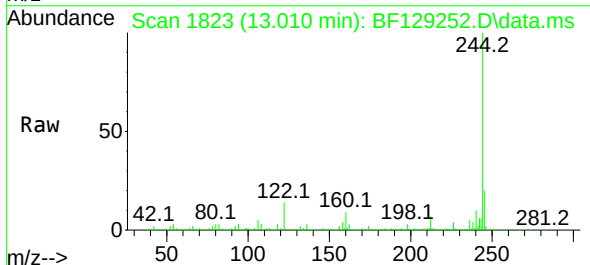
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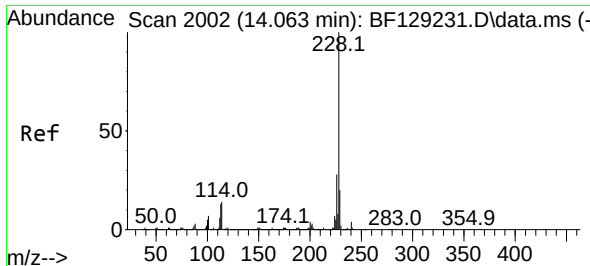
Reviewed By :Christian Giraldo 07/18/2022
Supervised By :Jagrut Upadhyay 07/18/2022



#79
Terphenyl-d14
Concen: 62.548 ng
RT: 13.010 min Scan# 1823
Delta R.T. -0.006 min
Lab File: BF129252.D
Acq: 15 Jul 2022 22:35

Tgt Ion:244 Resp: 1432225
Ion Ratio Lower Upper
244 100
212 7.3 6.1 9.1
122 14.3 8.8 13.2#





#81
Benzo(a)anthracene
Concen: 55.618 ng
RT: 14.063 min Scan# 2002
Delta R.T. 0.000 min
Lab File: BF129252.D
Acq: 15 Jul 2022 22:35

Instrument :

BNF_F

ClientSampleId :

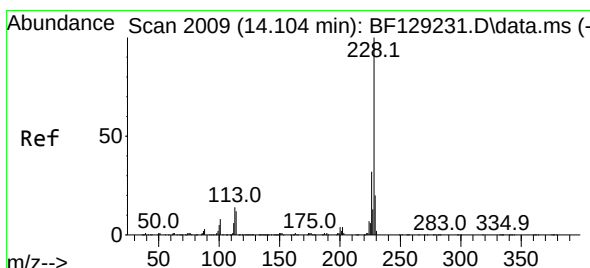
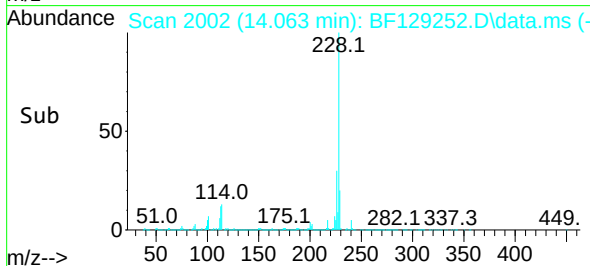
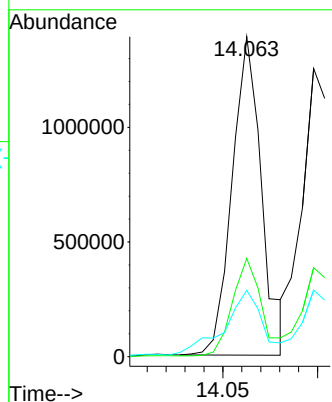
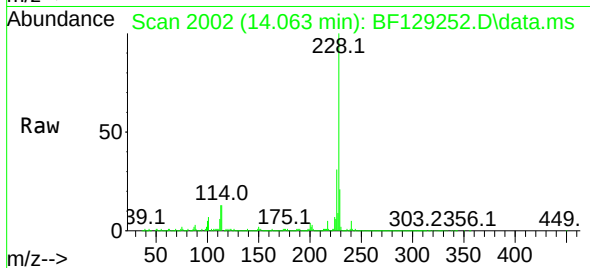
SB-02-COMP

Tgt Ion:228 Resp: 1502759
Ion Ratio Lower Upper
228 100
226 30.7 22.1 33.1
229 20.7 15.8 23.8

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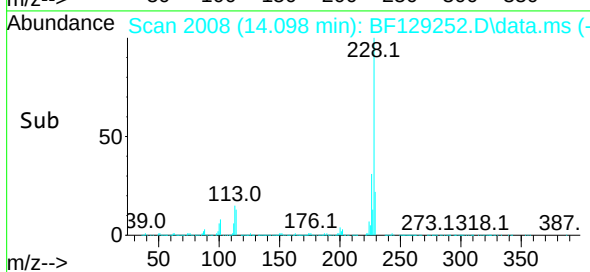
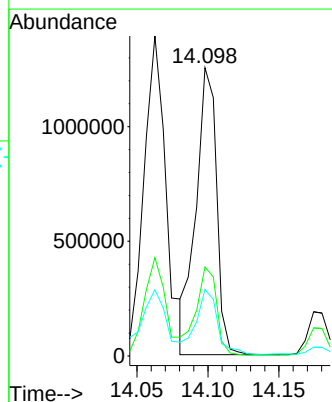
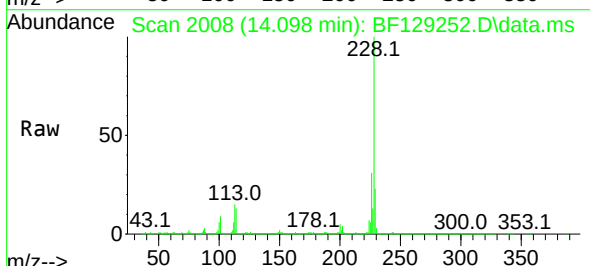
APPROVED

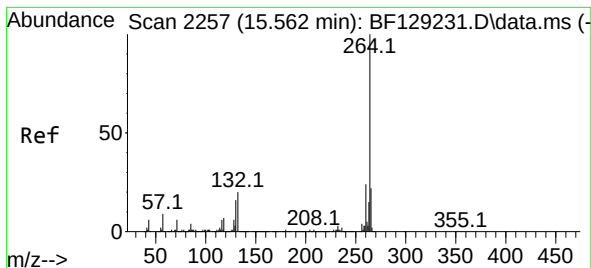
Reviewed By :Christian Giraldo 07/18/2022
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#83
Chrysene
Concen: 49.033 ng
RT: 14.098 min Scan# 2008
Delta R.T. -0.006 min
Lab File: BF129252.D
Acq: 15 Jul 2022 22:35

Tgt Ion:228 Resp: 1264556
Ion Ratio Lower Upper
228 100
226 30.9 24.3 36.5
229 23.1 15.9 23.9





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.568 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF129252.D

Acq: 15 Jul 2022 22:35

Instrument :

BNA_F

ClientSampleId :

SB-02-COMP

Tgt Ion:264 Resp: 47186

Ion Ratio Lower Upper

264 100

260 23.4 18.4 27.6

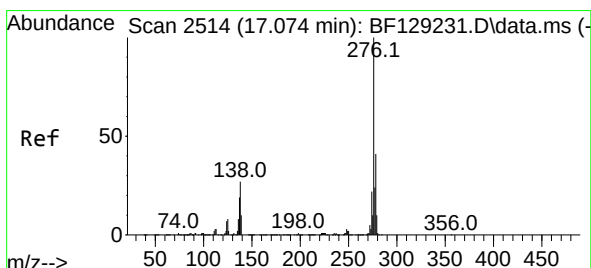
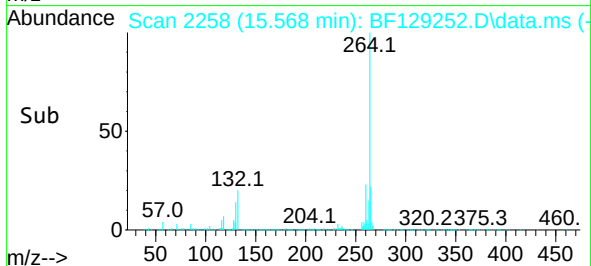
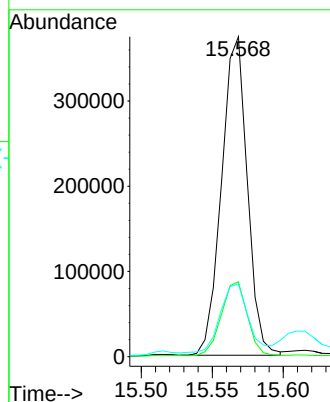
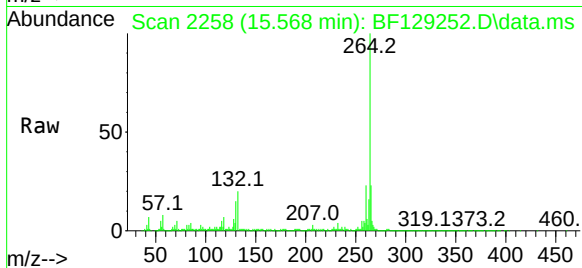
265 22.8 17.2 25.8

Manual Integrations

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Supervised By :Jagrut Upadhyay 07/18/2022



#87

Indeno(1,2,3-cd)pyrene

Concen: 25.916 ng

RT: 17.074 min Scan# 2514

Delta R.T. 0.000 min

Lab File: BF129252.D

Acq: 15 Jul 2022 22:35

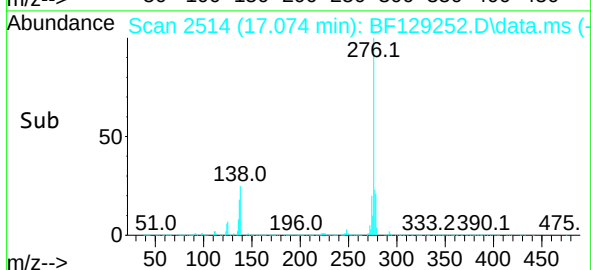
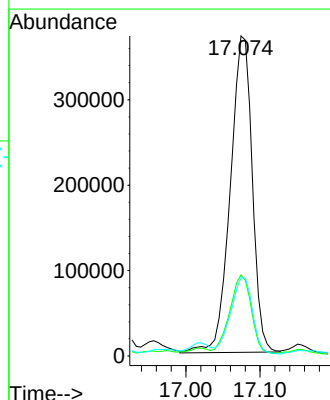
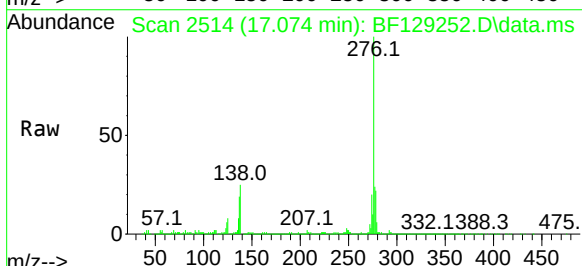
Tgt Ion:276 Resp: 762553

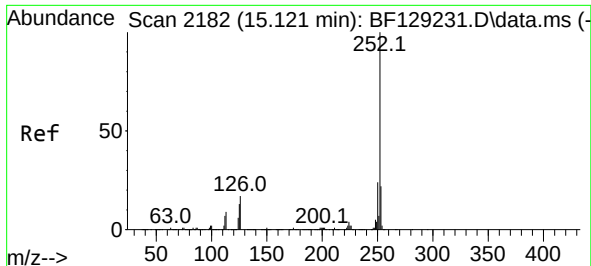
Ion Ratio Lower Upper

276 100

138 24.1 21.1 31.7

277 24.0 20.3 30.5





#88
Benzo(b)fluoranthene
Concen: 60.703 ng m
RT: 15.133 min Scan# 2184
Delta R.T. 0.012 min
Lab File: BF129252.D
Acq: 15 Jul 2022 22:35

Instrument :

BNA_F

ClientSampleId :

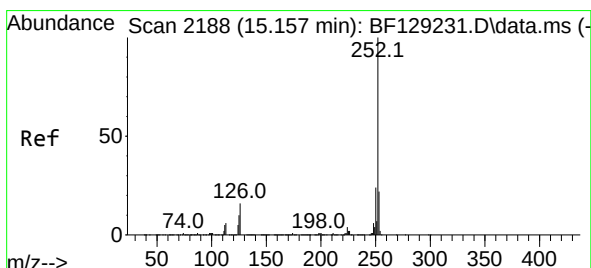
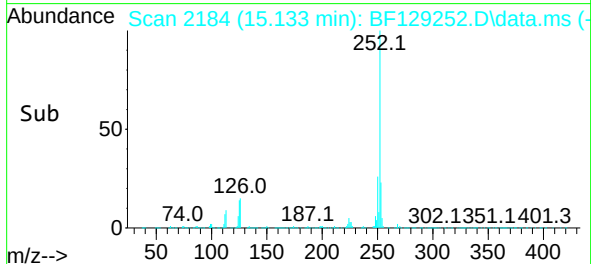
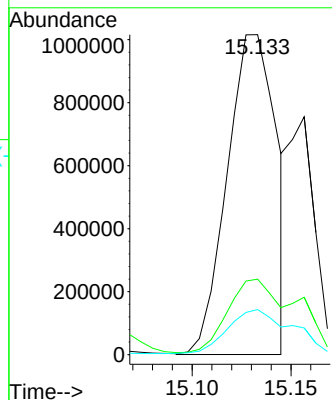
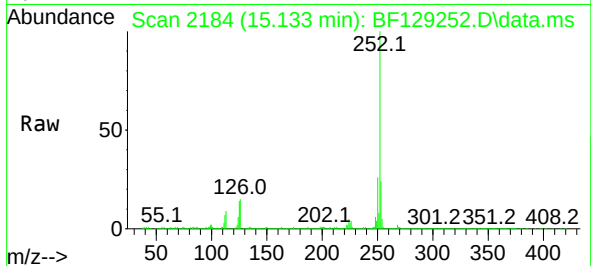
SB-02-COMP

Tgt Ion:252 Resp: 175965
Ion Ratio Lower Upper
252 100
253 23.6 17.7 26.5
125 14.1 8.0 12.0

Manual Integrations

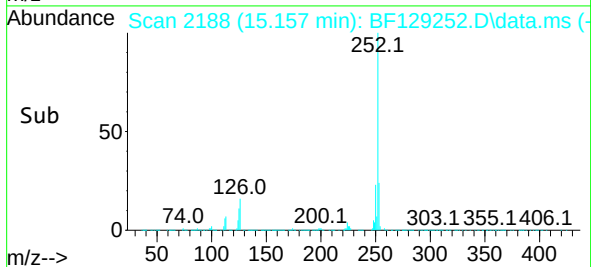
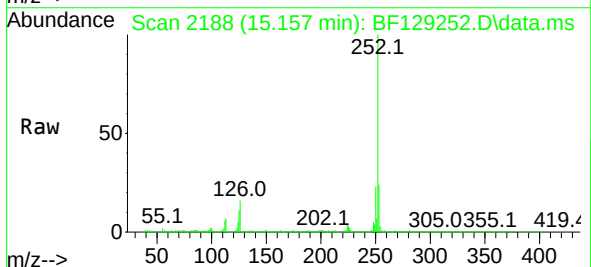
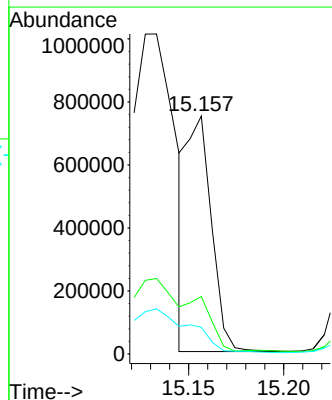
APPROVED

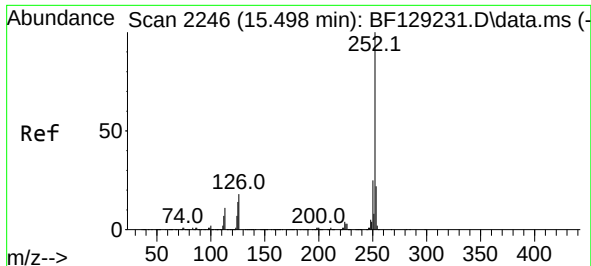
Reviewed By :Christian Giraldo 07/18/2022
Supervised By :Jagrut Upadhyay 07/18/2022



#89
Benzo(k)fluoranthene
Concen: 23.745 ng m
RT: 15.157 min Scan# 2188
Delta R.T. 0.000 min
Lab File: BF129252.D
Acq: 15 Jul 2022 22:35

Tgt Ion:252 Resp: 672499
Ion Ratio Lower Upper
252 100
253 24.2 17.8 26.6
125 11.2 8.3 12.5





#90
Benzo(a)pyrene
Concen: 55.872 ng
RT: 15.510 min Scan# 21
Delta R.T. 0.012 min
Lab File: BF129252.D
Acq: 15 Jul 2022 22:35

Instrument :

BNA_F

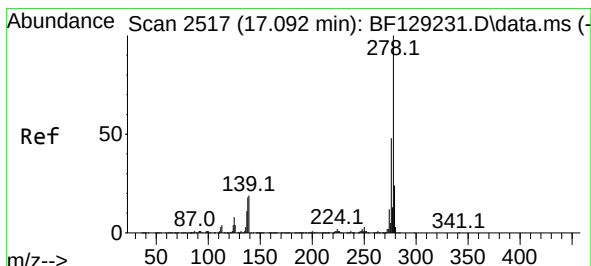
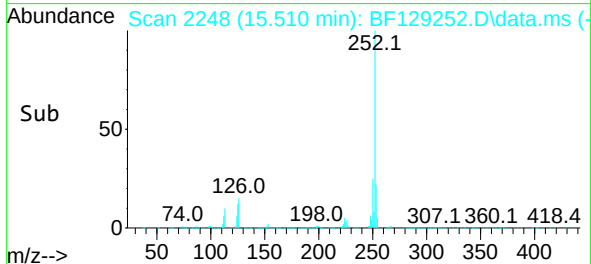
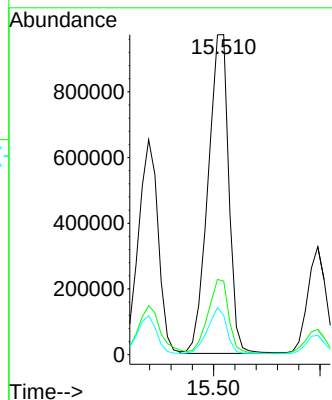
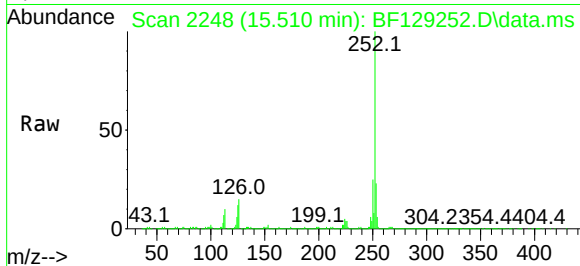
ClientSampleId :

SB-02-COMP

Tgt Ion:252 Resp: 131852
Ion Ratio Lower Upper
252 100
253 23.0 17.0 25.6
125 12.3 8.8 13.2

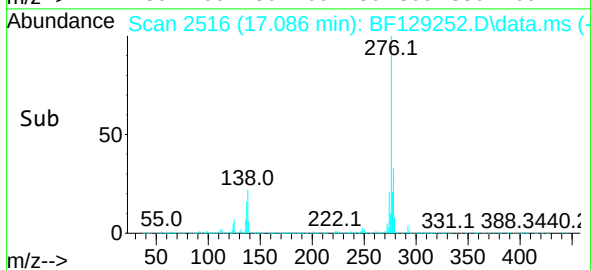
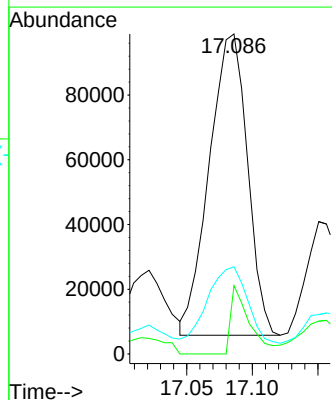
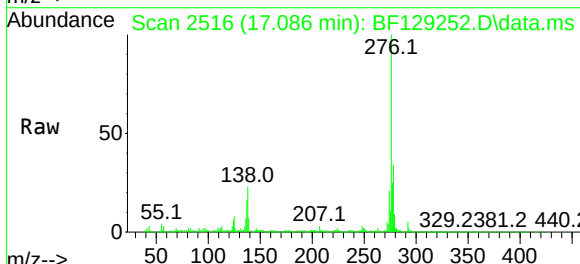
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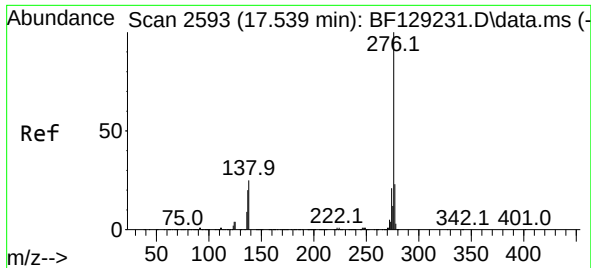
Reviewed By :Christian Giraldo 07/18/2022
Supervised By :Jagrut Upadhyay 07/18/2022



#91
Dibenzo(a,h)anthracene
Concen: 7.921 ng
RT: 17.086 min Scan# 2516
Delta R.T. -0.006 min
Lab File: BF129252.D
Acq: 15 Jul 2022 22:35

Tgt Ion:278 Resp: 188514
Ion Ratio Lower Upper
278 100
139 21.4 12.8 19.2#
279 27.2 18.6 28.0





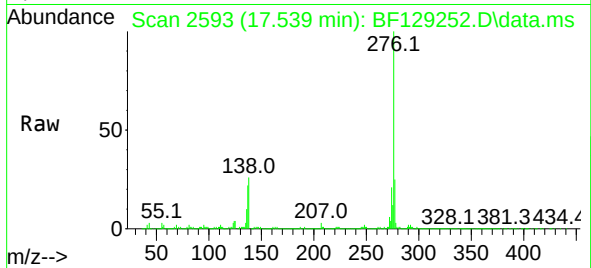
#92
 Benzo(g,h,i)perylene
 Concen: 27.944 ng
 RT: 17.539 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: BF129252.D
 Acq: 15 Jul 2022 22:35

Instrument :

BNA_F

ClientSampleId :

SB-02-COMP



Tgt Ion: 276 Resp: 679839
 Ion Ratio Lower Upper
 276 100
 277 25.4 19.1 28.7
 138 25.9 18.0 27.0

Manual Integrations

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 Supervised By : Jagrut Upadhyay 07/18/2022

