

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071822\
 Data File : BF129265.D
 Acq On : 18 Jul 2022 11:32
 Operator : CG\JU
 Sample : N3730-04DL 2X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-02-COMPDL

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 07/19/2022
 Supervised By : Jagrut Upadhyay 07/19/2022

Quant Time: Jul 19 02:07:43 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	327855	20.000	ng	0.00
21) Naphthalene-d8	8.181	136	1297872	20.000	ng	0.00
39) Acenaphthene-d10	9.939	164	637666	20.000	ng	0.00
64) Phenanthrene-d10	11.433	188	862129	20.000	ng	# 0.00
76) Chrysene-d12	14.080	240	512110	20.000	ng	0.00
86) Perylene-d12	15.574	264	543037	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	830514	40.456	ng	0.00
7) Phenol-d6	6.522	99	1078019	40.602	ng	0.00
23) Nitrobenzene-d5	7.457	82	675971	27.841	ng	-0.01
42) 2,4,6-Tribromophenol	10.728	330	214156	36.183	ng	0.00
45) 2-Fluorobiphenyl	9.257	172	1268718	33.708	ng	0.00
79) Terphenyl-d14	13.016	244	809087	29.555	ng	0.00
Target Compounds						Qvalue
52) Acenaphthene	9.975	154	97635	2.794	ng	99
58) Fluorene	10.486	166	162390	4.303	ng	99
71) Phenanthrene	11.457	178	1400674	32.000	ng	99
72) Anthracene	11.504	178	458685	10.549	ng	99
75) Fluoranthene	12.651	202	1641408	37.653	ng	98
78) Pyrene	12.880	202	1421487	34.270	ng	99
81) Benzo(a)anthracene	14.069	228	853720	26.429	ng	96
83) Chrysene	14.104	228	697609	22.626	ng	97
87) Indeno(1,2,3-cd)pyrene	17.086	276	358737	10.594	ng	97
88) Benzo(b)fluoranthene	15.133	252	983174m	29.471	ng	
89) Benzo(k)fluoranthene	15.163	252	368094m	11.293	ng	
90) Benzo(a)pyrene	15.510	252	728249	26.815	ng	# 95
91) Dibenzo(a,h)anthracene	17.098	278	91791	3.351	ng	# 91
92) Benzo(g,h,i)perylene	17.545	276	315131	11.255	ng	97

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

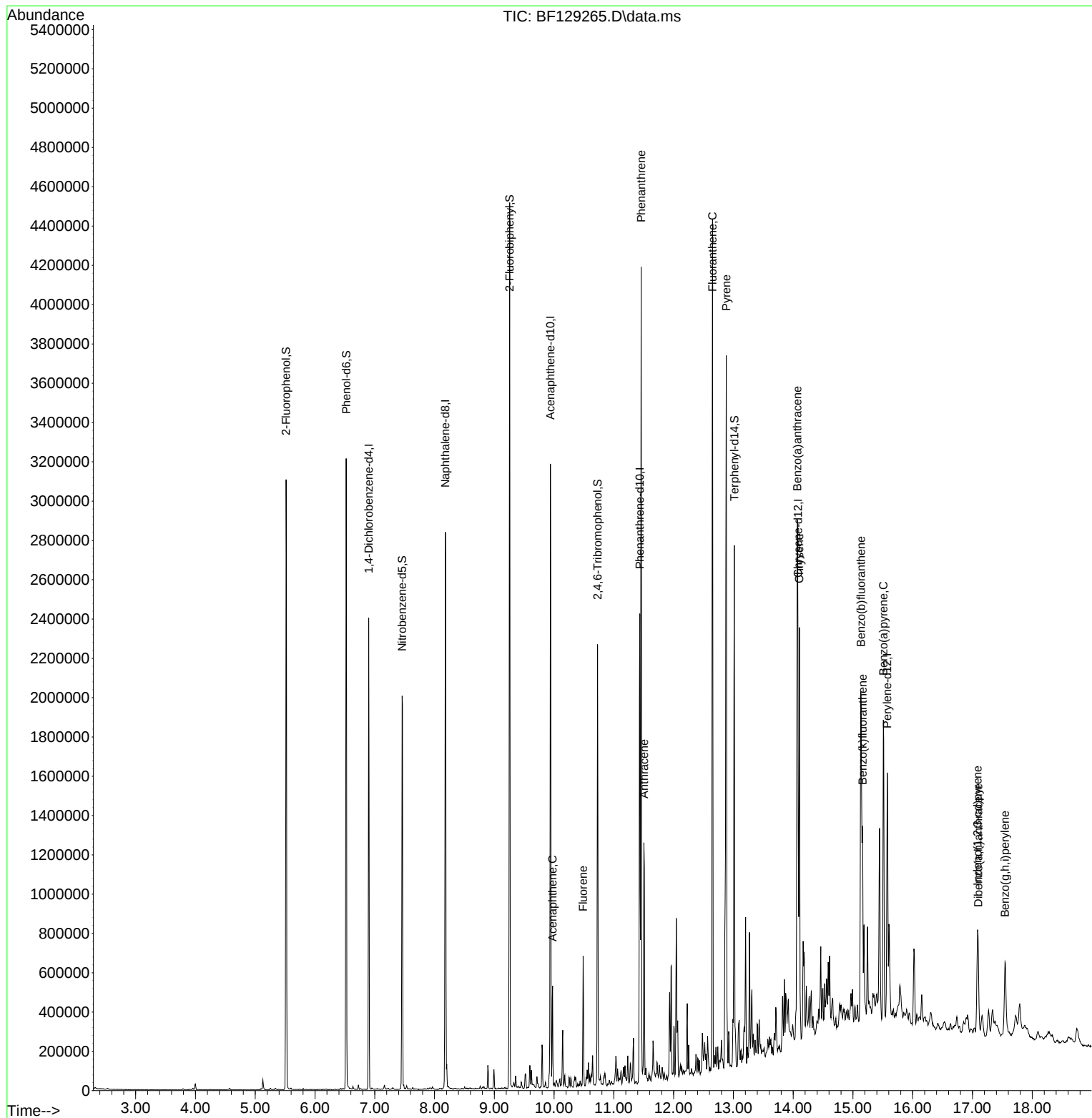
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071822\
Data File : BF129265.D
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Misc :
ALS Vial : 5 Sample Multiplier: 1

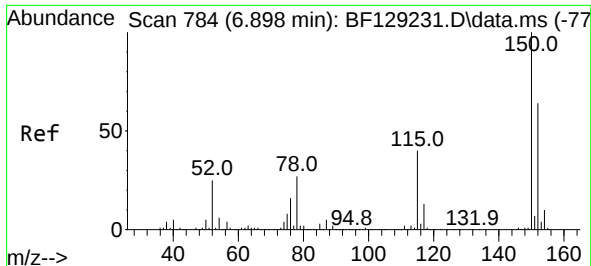
Instrument :
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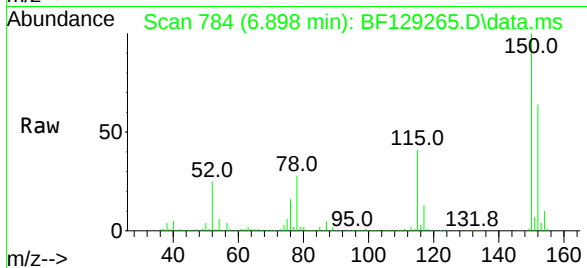
Quant Time: Jul 19 02:07:43 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jul 15 12:55:49 2022
Response via : Initial Calibration





#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.898 min Scan# 784
 Delta R.T. 0.000 min
 Lab File: BF129265.D
 Acq: 18 Jul 2022 11:32

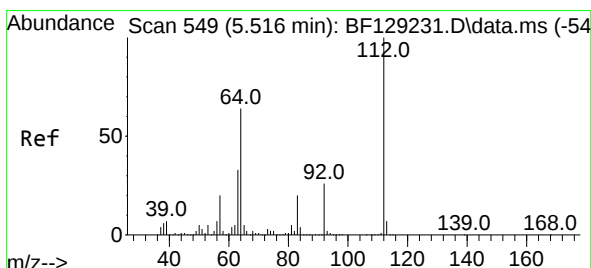
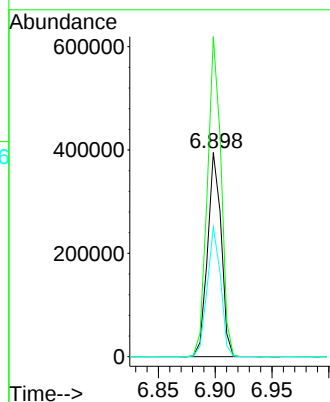
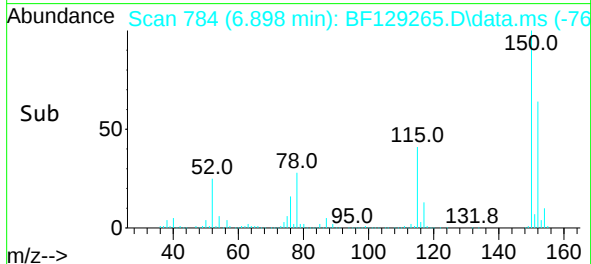
Instrument :
 BNA_F
 ClientSampleId :
 SB-02-COMPDL



Tgt Ion:152 Resp: 32785
 Ion Ratio Lower Upper
 152 100
 150 156.7 123.7 185.5
 115 63.5 49.9 74.9

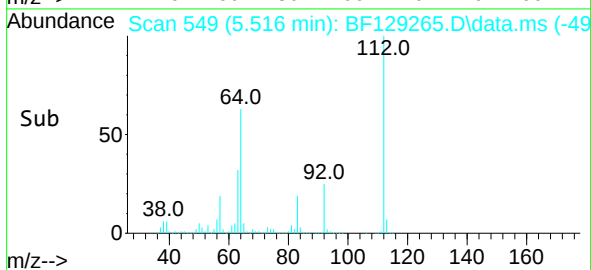
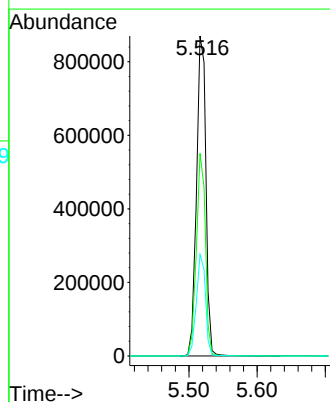
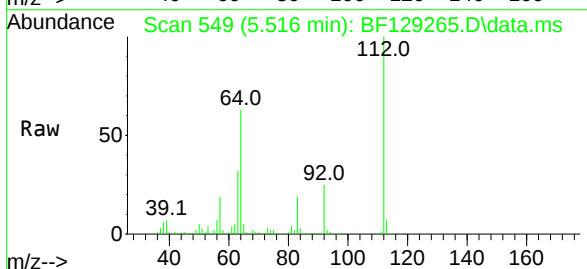
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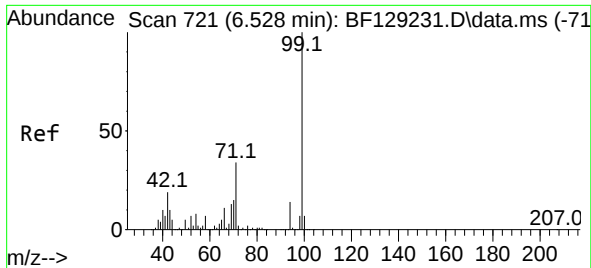
Reviewed By :Christian Giraldo 07/19/2022
 Supervised By :Jagrut Upadhyay 07/19/2022



#5
 2-Fluorophenol
 Concen: 40.456 ng
 RT: 5.516 min Scan# 549
 Delta R.T. 0.000 min
 Lab File: BF129265.D
 Acq: 18 Jul 2022 11:32

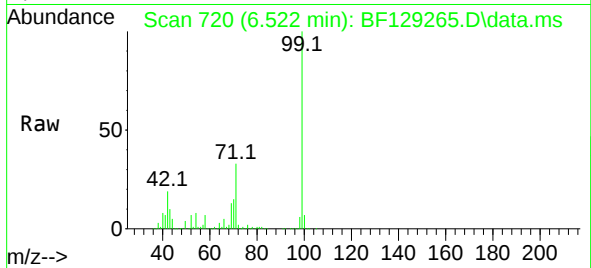
Tgt Ion:112 Resp: 830514
 Ion Ratio Lower Upper
 112 100
 64 63.3 53.3 79.9
 63 31.7 28.0 42.0





#7
Phenol-d6
Concen: 40.602 ng
RT: 6.522 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF129265.D
Acq: 18 Jul 2022 11:32

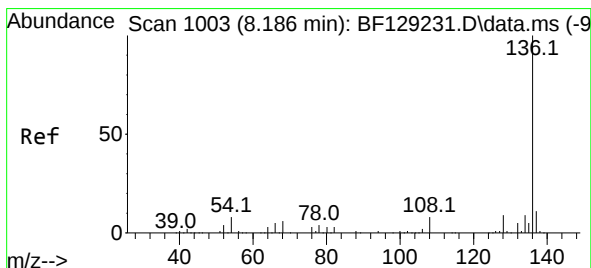
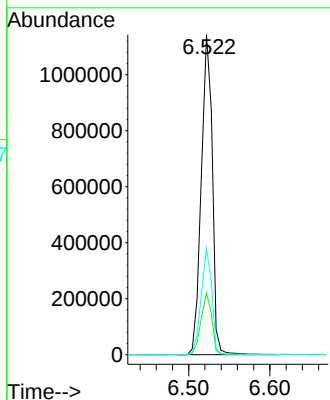
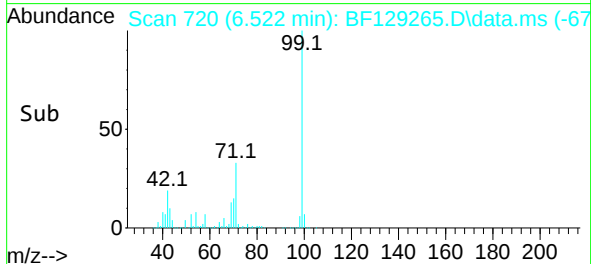
Instrument :
BNA_F
ClientSampleId :
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Tgt Ion: 99 Resp: 1078019
Ion Ratio Lower Upper
99 100
42 19.4 17.3 25.9
71 33.3 28.9 43.3

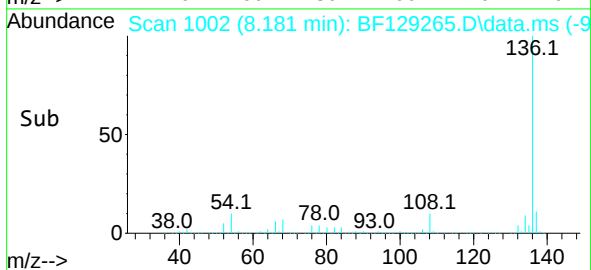
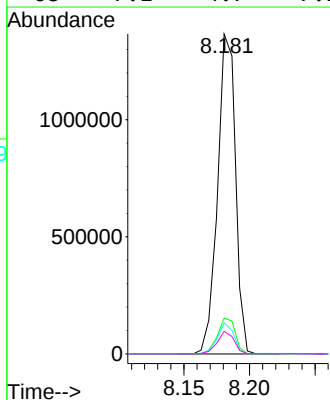
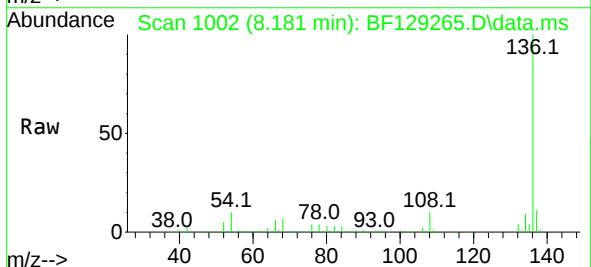
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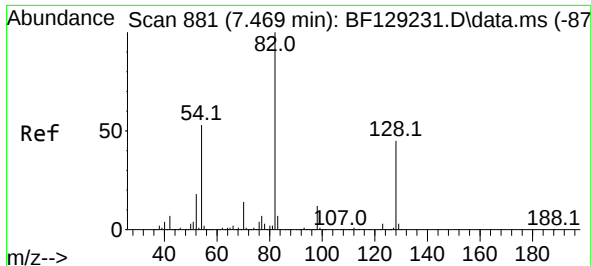
Reviewed By :Christian Giraldo 07/19/2022
Supervised By :Jagrut Upadhyay 07/19/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.181 min Scan# 1002
Delta R.T. -0.006 min
Lab File: BF129265.D
Acq: 18 Jul 2022 11:32

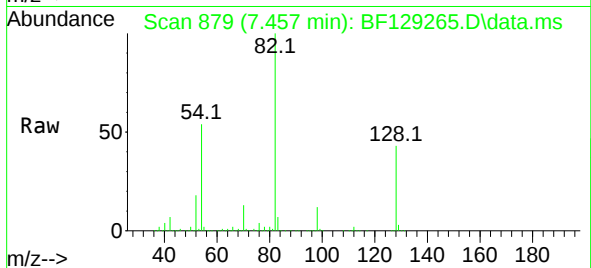
Tgt Ion:136 Resp: 1297872
Ion Ratio Lower Upper
136 100
137 11.2 8.8 13.2
54 9.6 7.5 11.3
68 7.1 4.7 7.1





#23
Nitrobenzene-d5
Concen: 27.841 ng
RT: 7.457 min Scan# 81
Delta R.T. -0.012 min
Lab File: BF129265.D
Acq: 18 Jul 2022 11:32

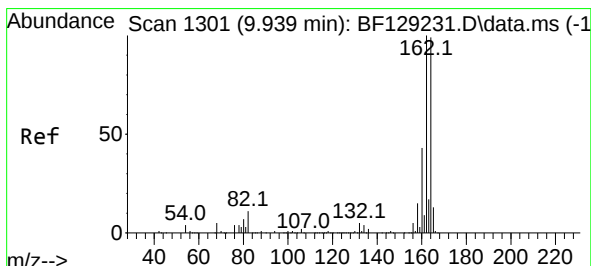
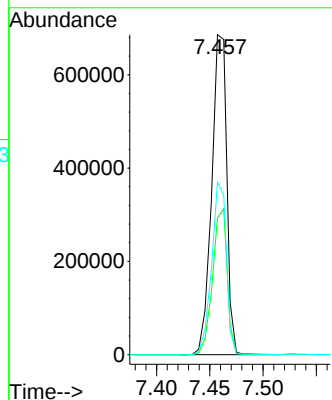
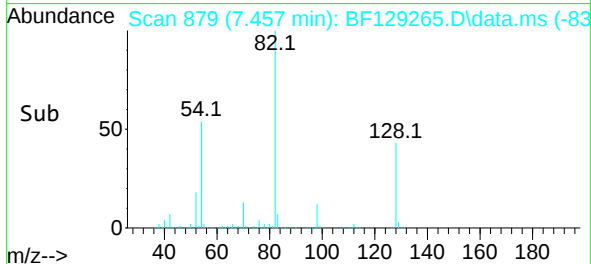
Instrument :
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ClientSampleId :
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Tgt Ion: 82 Resp: 67597
Ion Ratio Lower Upper
82 100
128 42.8 34.0 51.0
54 53.9 46.9 70.3

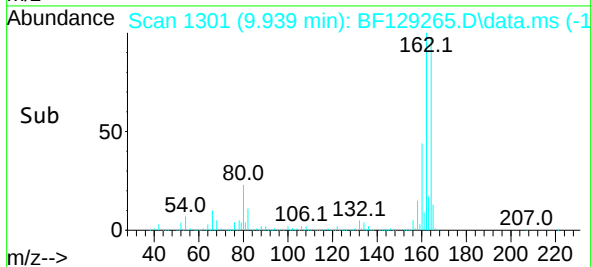
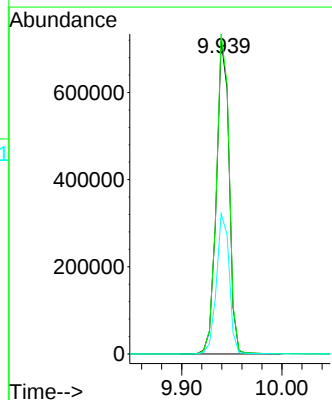
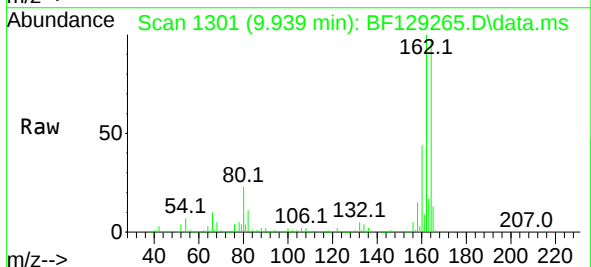
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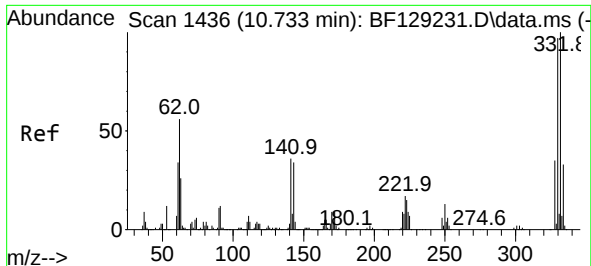
Reviewed By :Christian Giraldo 07/19/2022
Supervised By :Jagrut Upadhyay 07/19/2022



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.939 min Scan# 1301
Delta R.T. 0.000 min
Lab File: BF129265.D
Acq: 18 Jul 2022 11:32

Tgt Ion:164 Resp: 637666
Ion Ratio Lower Upper
164 100
162 102.0 79.5 119.3
160 44.7 34.2 51.4





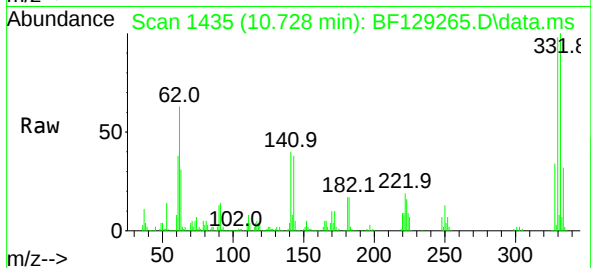
#42
2,4,6-Tribromophenol
Concen: 36.183 ng
RT: 10.728 min Scan# 1435
Delta R.T. -0.006 min
Lab File: BF129265.D
Acq: 18 Jul 2022 11:32

Instrument :

BNA_F

ClientSampleId :

SB-02-COMPDL

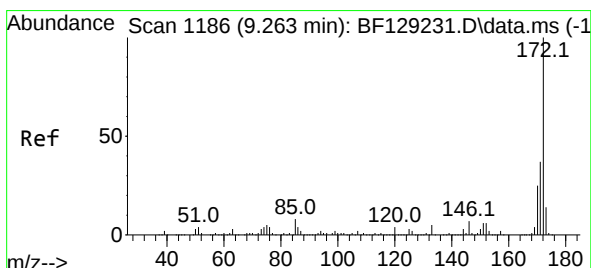
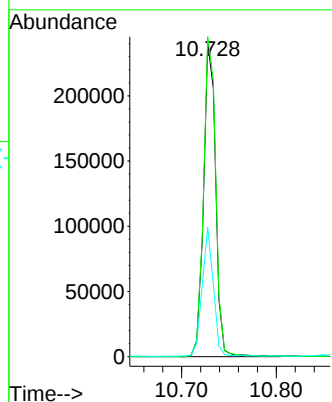
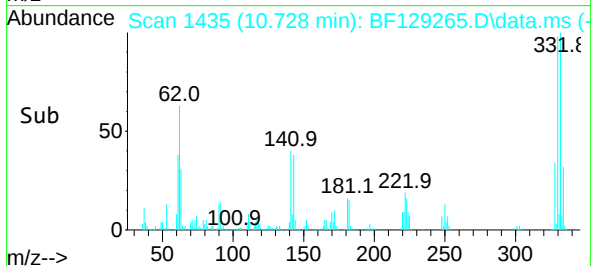


Tgt Ion: 330 Resp: 214150
Ion Ratio Lower Upper
330 100
332 103.0 76.8 115.2
141 38.7 28.0 42.0

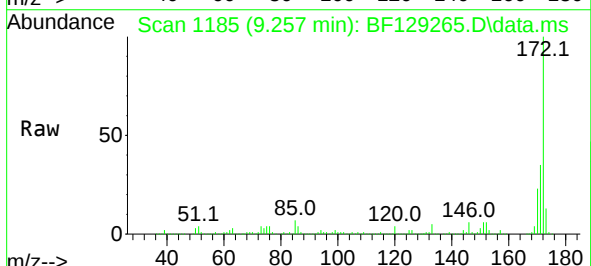
Manual Integrations

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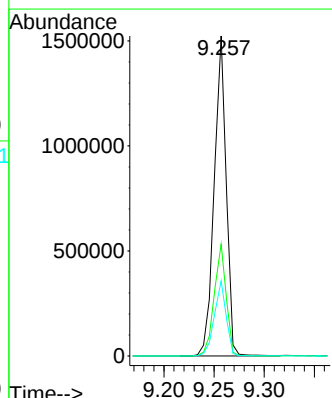
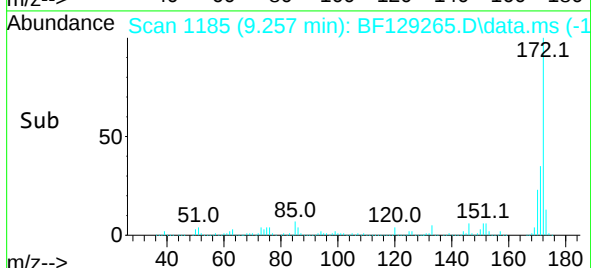
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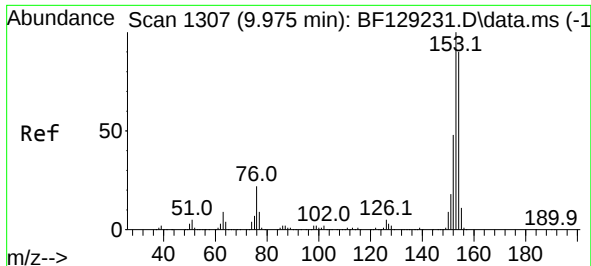


#45
2-Fluorobiphenyl
Concen: 33.708 ng
RT: 9.257 min Scan# 1185
Delta R.T. -0.006 min
Lab File: BF129265.D
Acq: 18 Jul 2022 11:32



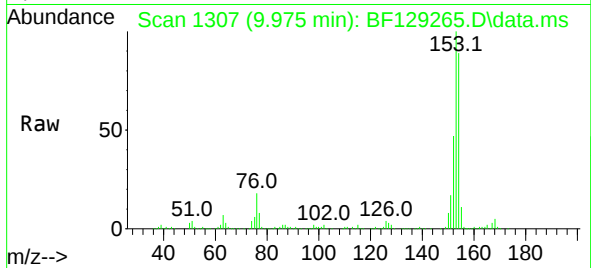
Tgt Ion: 172 Resp: 1268718
Ion Ratio Lower Upper
172 100
171 35.0 28.8 43.2
170 23.5 19.8 29.8





#52
Acenaphthene
Concen: 2.794 ng
RT: 9.975 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF129265.D
Acq: 18 Jul 2022 11:32

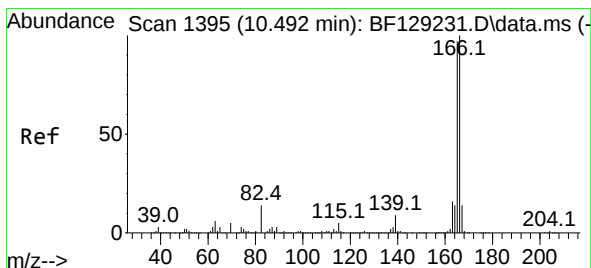
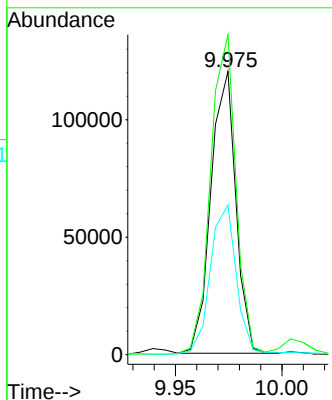
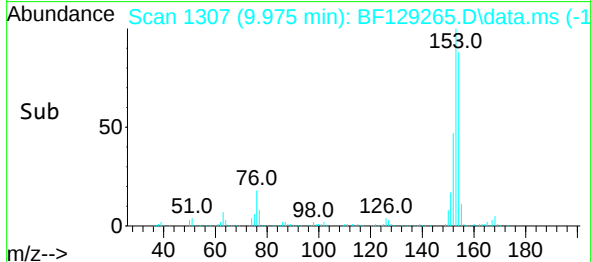
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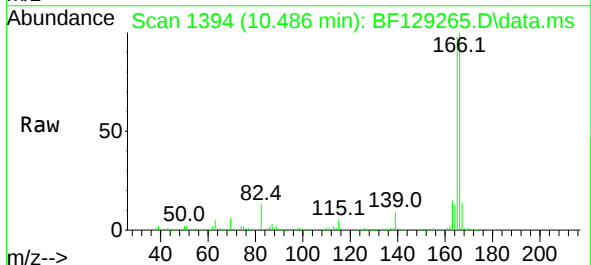
Tgt Ion:154 Resp: 9763
Ion Ratio Lower Upper
154 100
153 113.0 89.6 134.4
152 52.8 42.4 63.6

Manual Integrations
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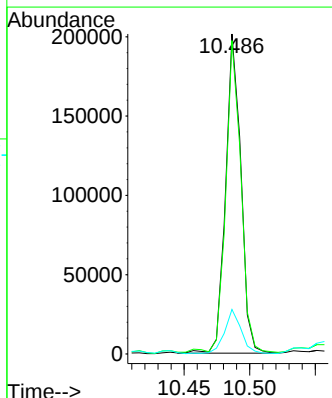
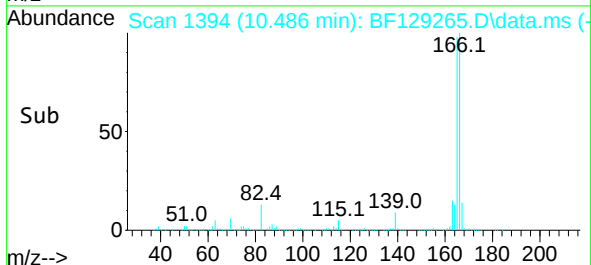
Reviewed By :Christian Giraldo 07/19/2022
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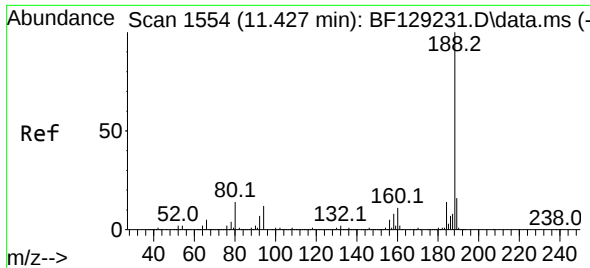


#58
Fluorene
Concen: 4.303 ng
RT: 10.486 min Scan# 1394
Delta R.T. -0.006 min
Lab File: BF129265.D
Acq: 18 Jul 2022 11:32



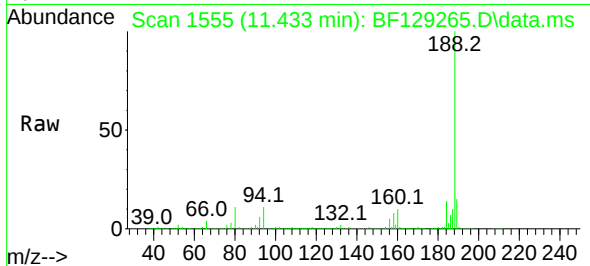
Tgt Ion:166 Resp: 162390
Ion Ratio Lower Upper
166 100
165 98.0 78.1 117.1
167 13.9 10.5 15.7





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.433 min Scan# 1554
Delta R.T. 0.006 min
Lab File: BF129265.D
Acq: 18 Jul 2022 11:32

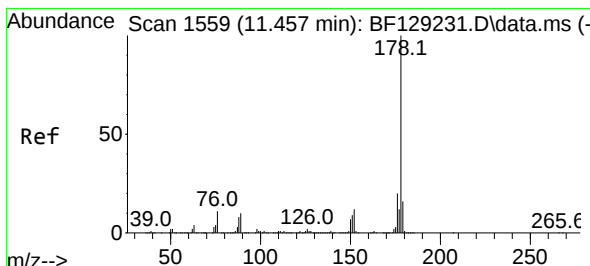
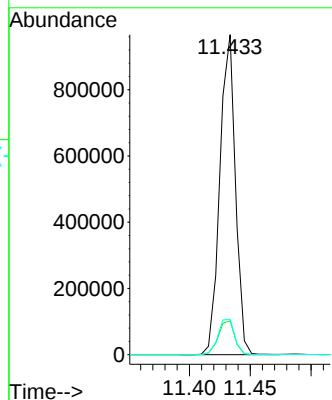
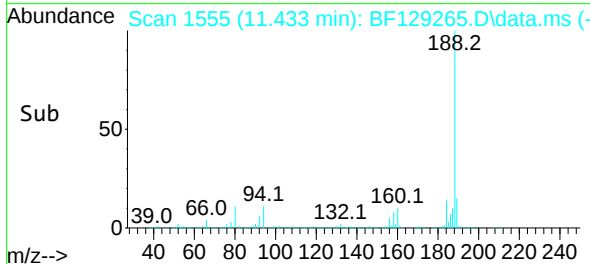
Instrument :
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Tgt Ion:188 Resp: 862129
Ion Ratio Lower Upper
188 100
94 10.6 7.0 10.6
80 11.1 7.6 11.4

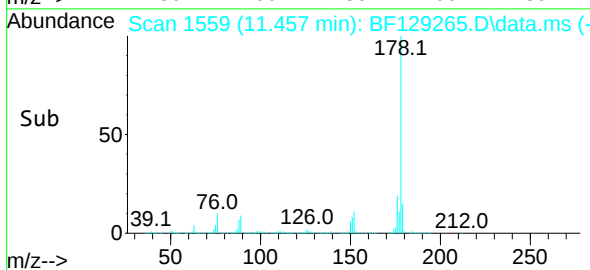
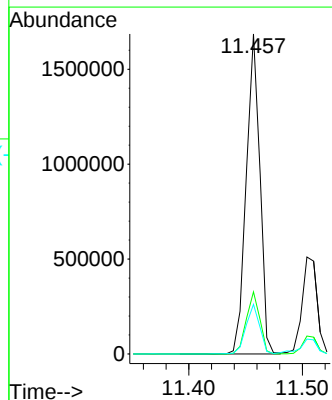
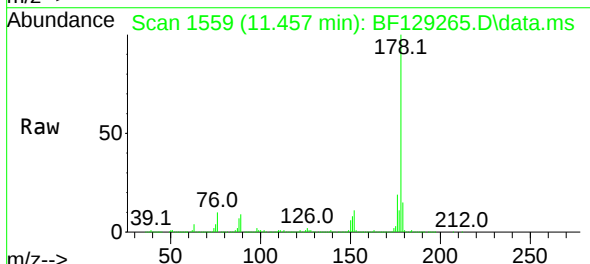
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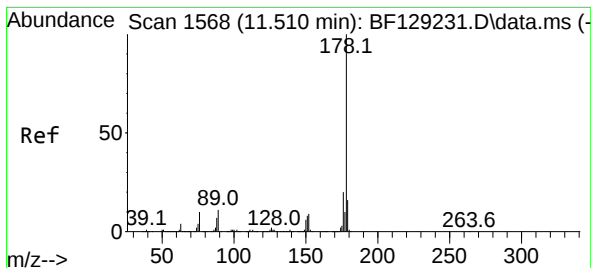
Reviewed By :Christian Giraldo 07/19/2022
Supervised By :Jagrut Upadhyay 07/19/2022



#71
Phenanthrene
Concen: 32.000 ng
RT: 11.457 min Scan# 1559
Delta R.T. 0.000 min
Lab File: BF129265.D
Acq: 18 Jul 2022 11:32

Tgt Ion:178 Resp: 1400674
Ion Ratio Lower Upper
178 100
176 19.4 16.0 24.0
179 15.5 12.6 19.0





#72

Anthracene

Concen: 10.549 ng

RT: 11.504 min Scan# 11568

Delta R.T. -0.006 min

Lab File: BF129265.D

Acq: 18 Jul 2022 11:32

Instrument :

BNA_F

ClientSampleId :

SB-02-COMPDL

Tgt Ion:178 Resp: 45868

Ion Ratio Lower Upper

178 100

176 18.6 15.4 23.2

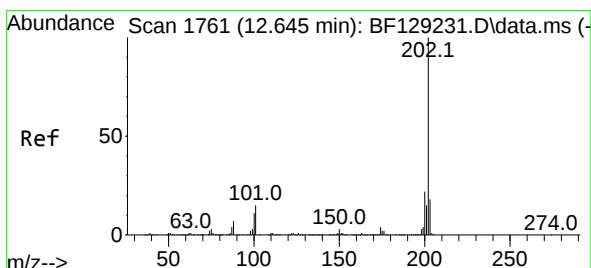
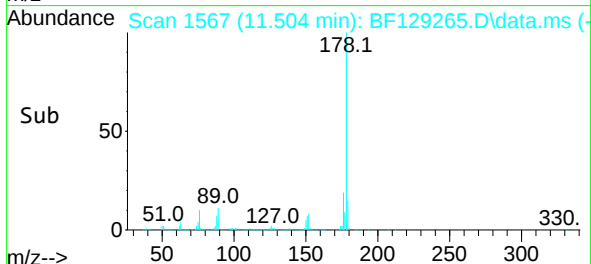
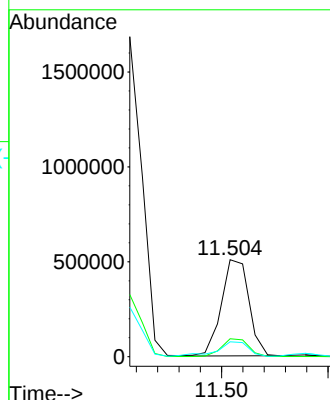
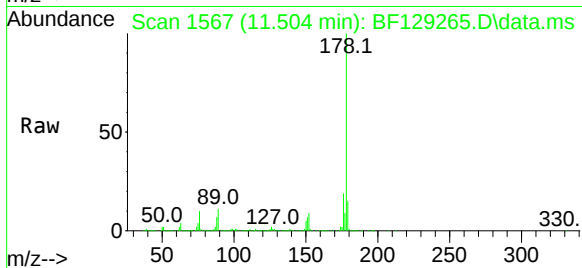
179 15.4 12.6 19.0

Manual Integrations

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Reviewed By :Christian Giraldo 07/19/2022

Supervised By :Jagrut Upadhyay 07/19/2022



#75

Fluoranthene

Concen: 37.653 ng

RT: 12.651 min Scan# 1762

Delta R.T. 0.006 min

Lab File: BF129265.D

Acq: 18 Jul 2022 11:32

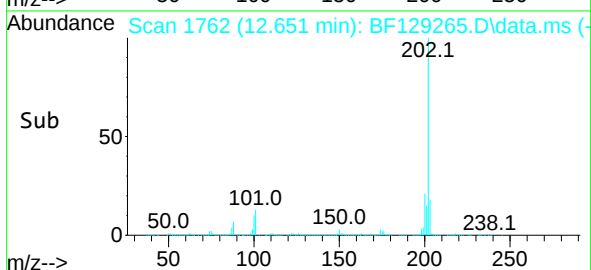
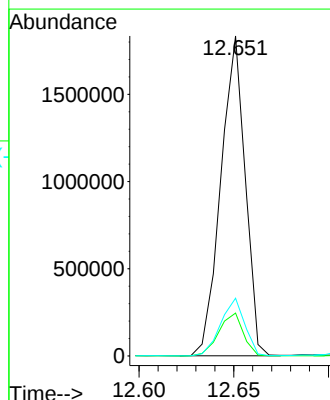
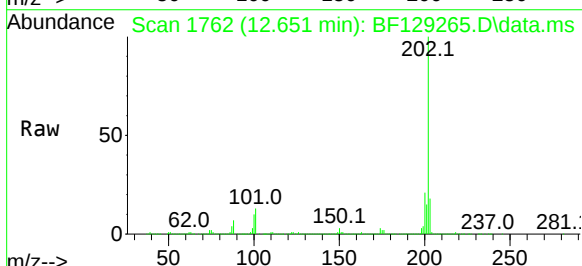
Tgt Ion:202 Resp: 1641408

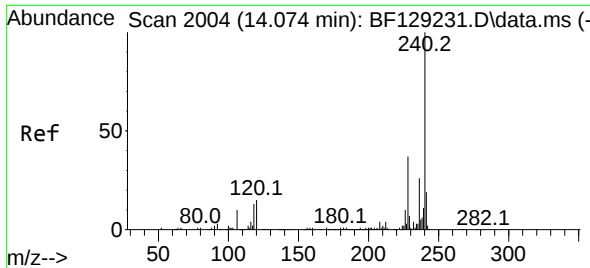
Ion Ratio Lower Upper

202 100

101 13.4 0.0 31.4

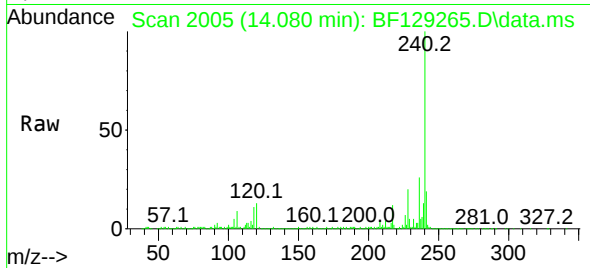
203 18.0 0.0 38.0





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.080 min Scan# 2004
Delta R.T. 0.006 min
Lab File: BF129265.D
Acq: 18 Jul 2022 11:32

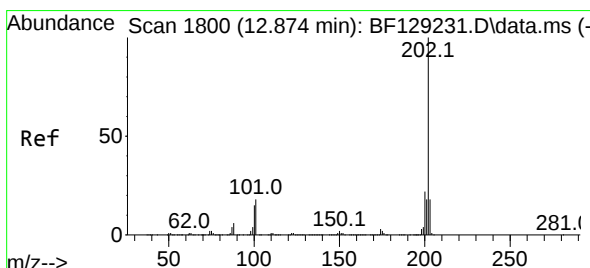
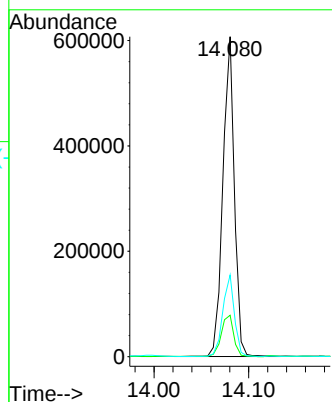
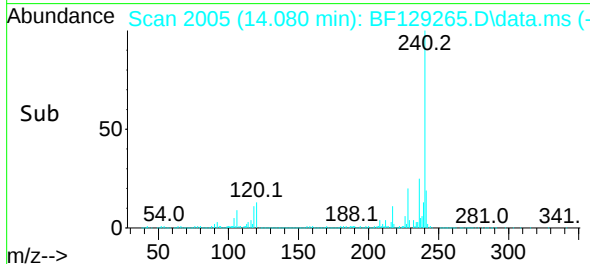
Instrument :
BNA_F
ClientSampleId :
SB-02-COMPDL



Tgt Ion:240 Resp: 512110
Ion Ratio Lower Upper
240 100
120 12.9 8.9 13.3
236 25.6 20.8 31.2

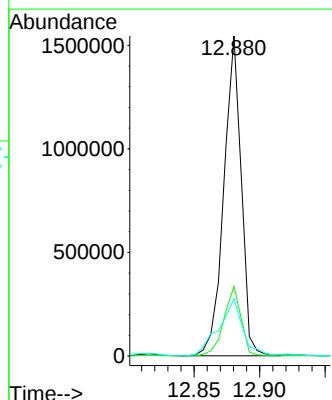
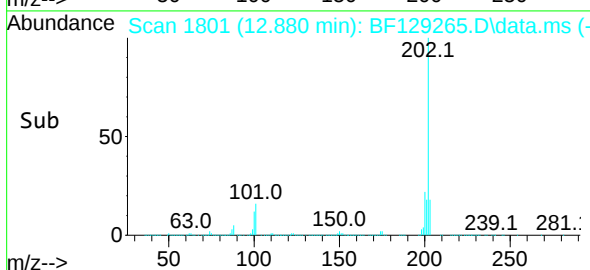
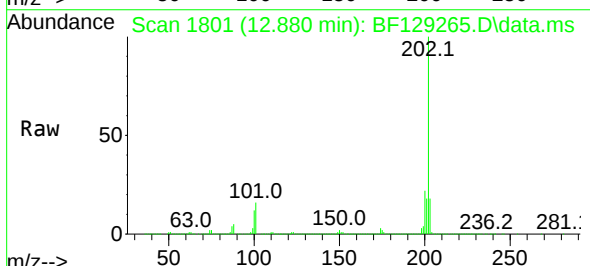
Manual Integrations
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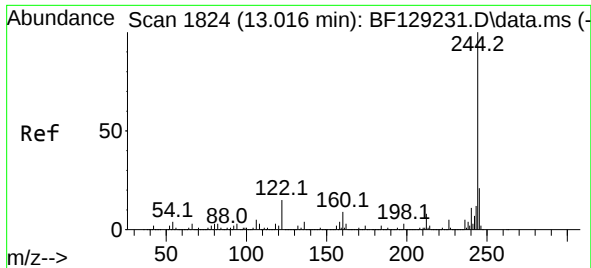
Reviewed By :Christian Giraldo 07/19/2022
Supervised By :Jagrut Upadhyay 07/19/2022



#78
Pyrene
Concen: 34.270 ng
RT: 12.880 min Scan# 1801
Delta R.T. 0.006 min
Lab File: BF129265.D
Acq: 18 Jul 2022 11:32

Tgt Ion:202 Resp: 1421487
Ion Ratio Lower Upper
202 100
200 21.7 17.7 26.5
203 17.9 14.6 21.8





#79
 Terphenyl-d14
 Concen: 29.555 ng
 RT: 13.016 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: BF129265.D
 Acq: 18 Jul 2022 11:32

Instrument :

BNA_F

ClientSampleId :

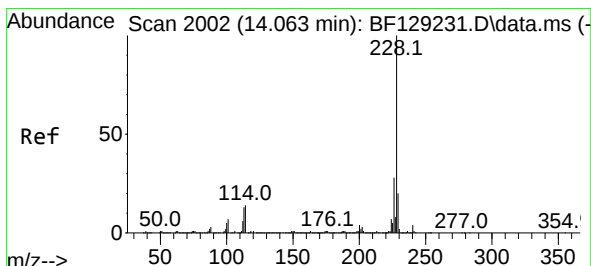
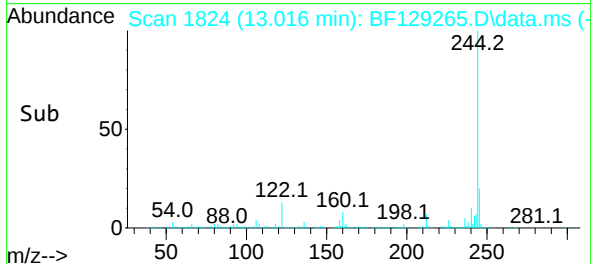
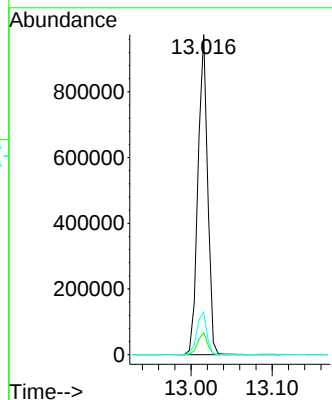
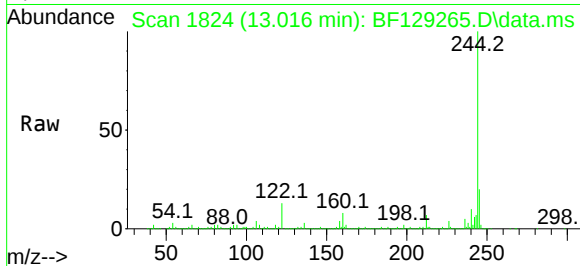
SB-02-COMPDL

Tgt Ion:244 Resp: 80908
 Ion Ratio Lower Upper
 244 100
 212 6.9 6.1 9.1
 122 13.3 8.8 13.2

Manual Integrations

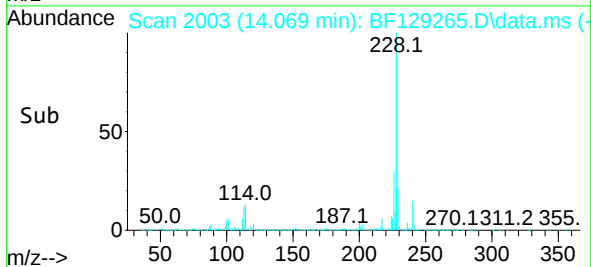
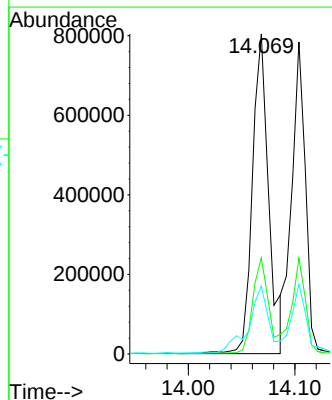
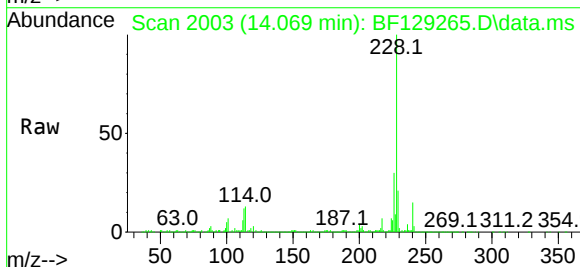
APPROVED

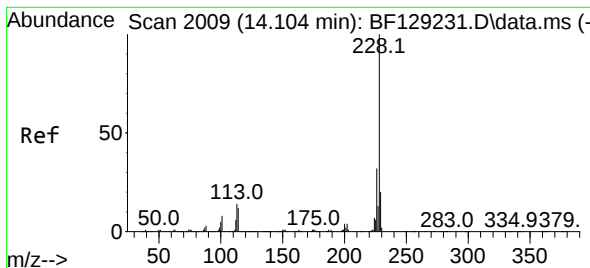
Reviewed By :Christian Giraldo 07/19/2022
 Supervised By :Jagrut Upadhyay 07/19/2022



#81
 Benzo(a)anthracene
 Concen: 26.429 ng
 RT: 14.069 min Scan# 2003
 Delta R.T. 0.006 min
 Lab File: BF129265.D
 Acq: 18 Jul 2022 11:32

Tgt Ion:228 Resp: 853720
 Ion Ratio Lower Upper
 228 100
 226 30.1 22.1 33.1
 229 21.3 15.8 23.8





#83

Chrysene

Concen: 22.626 ng

RT: 14.104 min Scan# 2009

Delta R.T. 0.000 min

Lab File: BF129265.D

Acq: 18 Jul 2022 11:32

Instrument :

BNA_F

ClientSampleId :

SB-02-COMPDL

Tgt Ion:228 Resp: 697609

Ion Ratio Lower Upper

228 100

226 30.7 24.3 36.5

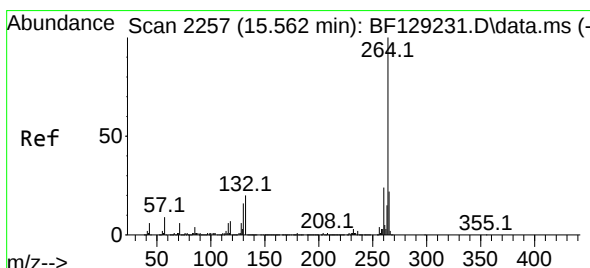
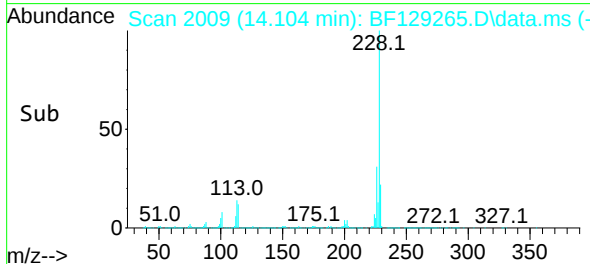
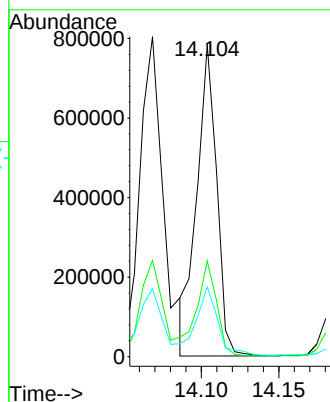
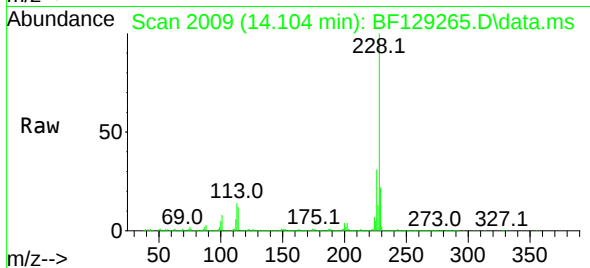
229 22.4 15.9 23.9

Manual Integrations

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Reviewed By :Christian Giraldo 07/19/2022

Supervised By :Jagrut Upadhyay 07/19/2022



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.574 min Scan# 2259

Delta R.T. 0.012 min

Lab File: BF129265.D

Acq: 18 Jul 2022 11:32

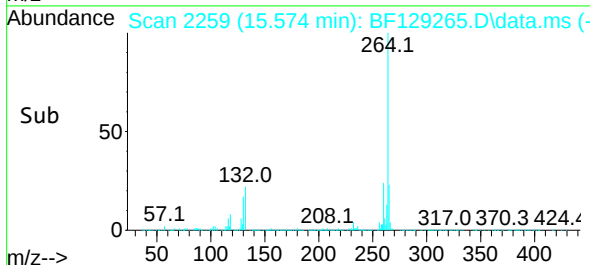
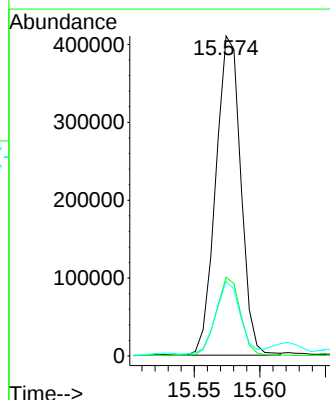
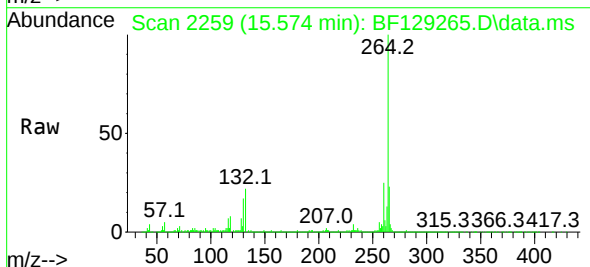
Tgt Ion:264 Resp: 543037

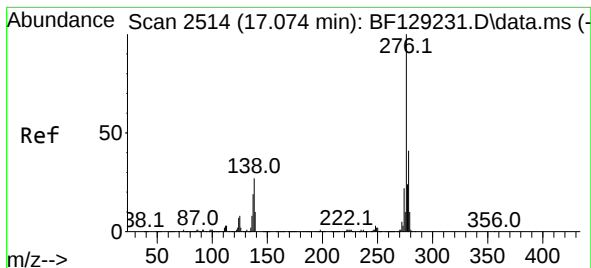
Ion Ratio Lower Upper

264 100

260 24.6 18.4 27.6

265 23.3 17.2 25.8





#87

Indeno(1,2,3-cd)pyrene

Concen: 10.594 ng

RT: 17.086 min Scan# 211

Delta R.T. 0.012 min

Lab File: BF129265.D

Acq: 18 Jul 2022 11:32

Instrument :

BNA_F

ClientSampleId :

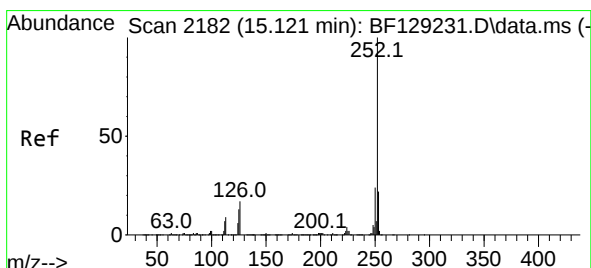
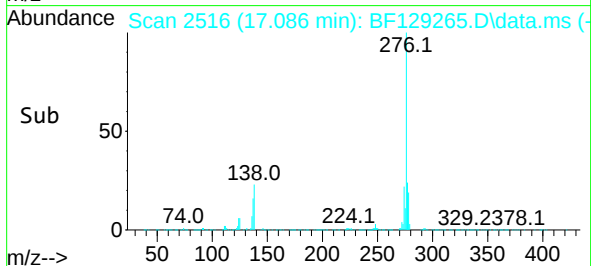
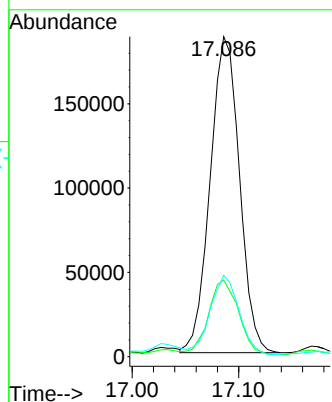
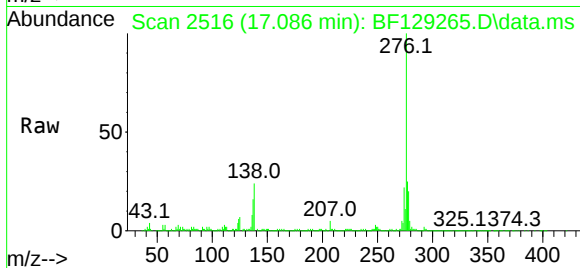
SB-02-COMPDL

Tgt Ion:	276	Resp:	35873
Ion Ratio	Lower	Upper	
276	100		
138	24.1	21.1	31.7
277	24.6	20.3	30.5

Manual Integrations

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Reviewed By :Christian Giraldo 07/19/2022
Supervised By :Jagrut Upadhyay 07/19/2022



#88

Benzo(b)fluoranthene

Concen: 29.471 ng m

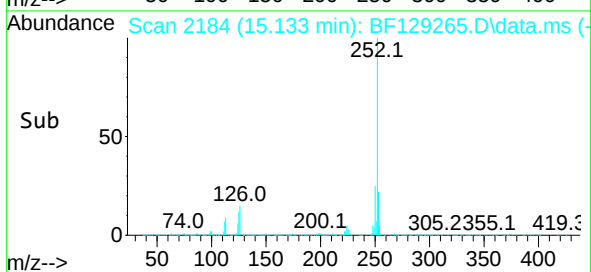
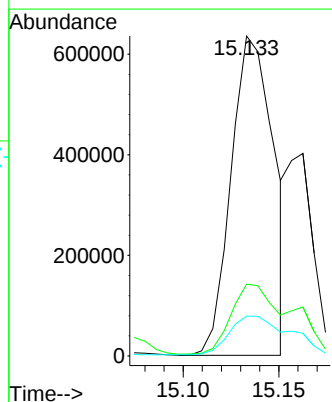
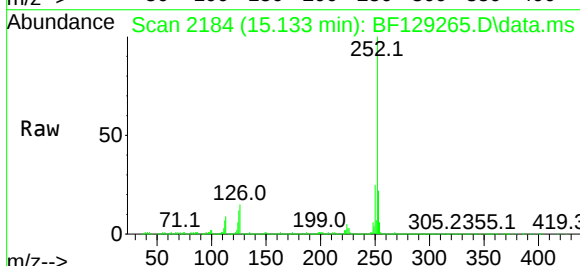
RT: 15.133 min Scan# 2184

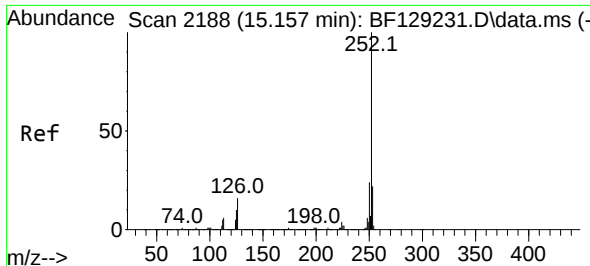
Delta R.T. 0.012 min

Lab File: BF129265.D

Acq: 18 Jul 2022 11:32

Tgt Ion:	252	Resp:	983174
Ion Ratio	Lower	Upper	
252	100		
253	22.5	17.7	26.5
125	12.4	8.0	12.0





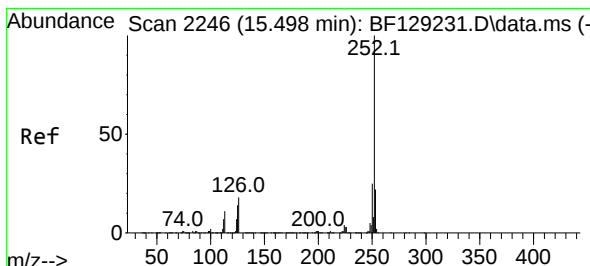
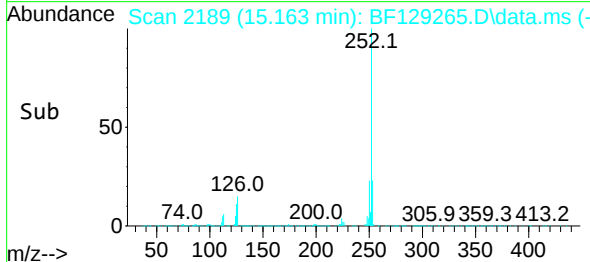
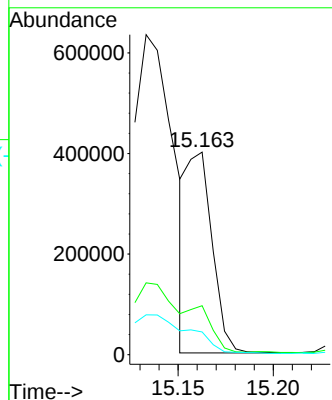
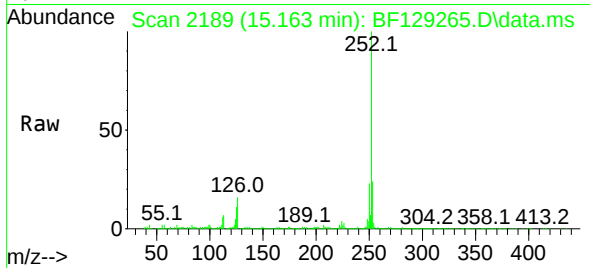
#89
Benzo(k)fluoranthene
Concen: 11.293 ng m
RT: 15.163 min Scan# 2188
Delta R.T. 0.006 min
Lab File: BF129265.D
Acq: 18 Jul 2022 11:32

Instrument :
BNA_F
ClientSampleId :
SB-02-COMPDL

Tgt Ion:252 Resp: 368094
Ion Ratio Lower Upper
252 100
253 24.2 17.8 26.6
125 11.2 8.3 12.5

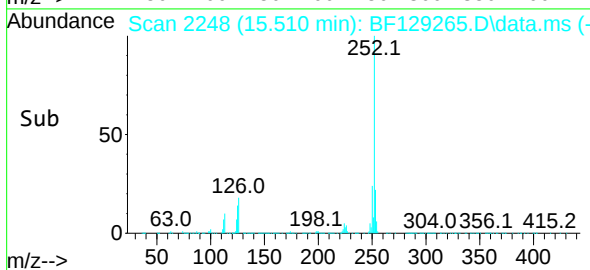
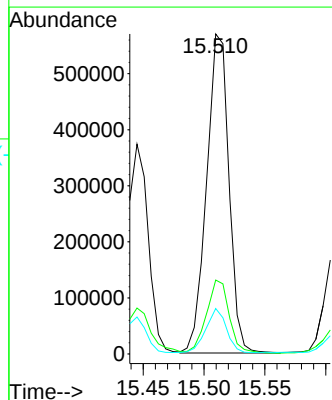
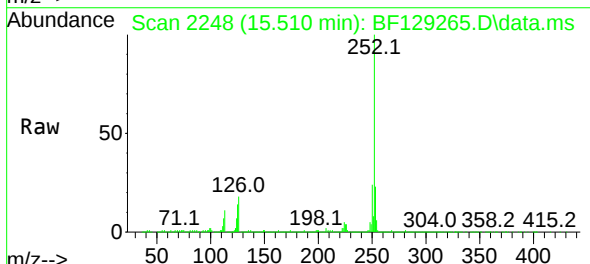
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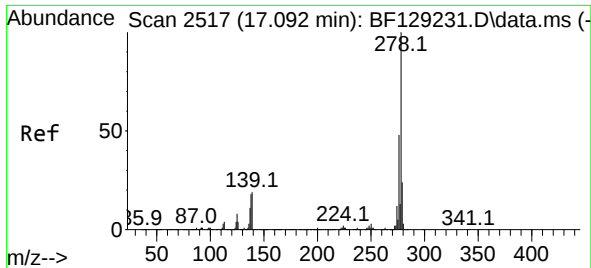
Reviewed By :Christian Giraldo 07/19/2022
Supervised By :Jagrut Upadhyay 07/19/2022



#90
Benzo(a)pyrene
Concen: 26.815 ng
RT: 15.510 min Scan# 2248
Delta R.T. 0.012 min
Lab File: BF129265.D
Acq: 18 Jul 2022 11:32

Tgt Ion:252 Resp: 728249
Ion Ratio Lower Upper
252 100
253 23.1 17.0 25.6
125 14.2 8.8 13.2#





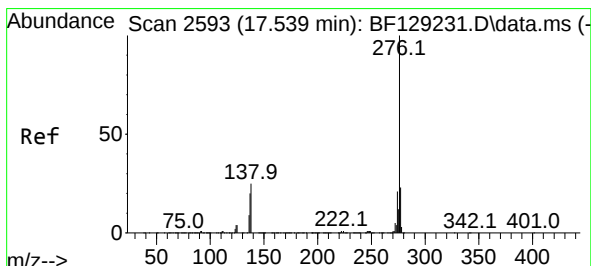
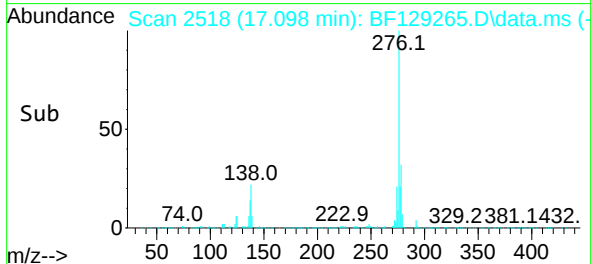
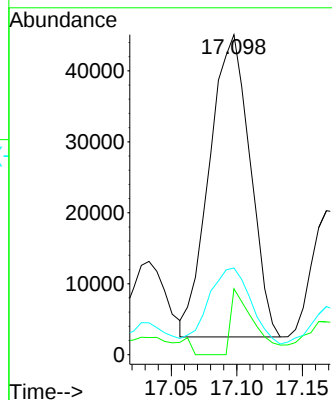
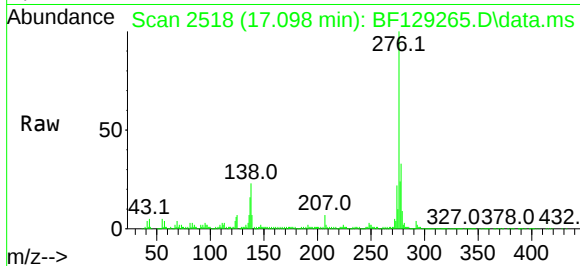
#91
Dibenzo(a,h)anthracene
Concen: 3.351 ng
RT: 17.098 min Scan# 2517
Delta R.T. 0.006 min
Lab File: BF129265.D
Acq: 18 Jul 2022 11:32

Instrument :
BNA_F
ClientSampleId :
SB-02-COMPDL

Tgt Ion:278 Resp: 9179
Ion Ratio Lower Upper
278 100
139 20.6 12.8 19.2
279 27.1 18.6 28.0

Manual Integrations
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Reviewed By :Christian Giraldo 07/19/2022
Supervised By :Jagrut Upadhyay 07/19/2022



#92
Benzo(g,h,i)perylene
Concen: 11.255 ng
RT: 17.545 min Scan# 2594
Delta R.T. 0.006 min
Lab File: BF129265.D
Acq: 18 Jul 2022 11:32

Tgt Ion:276 Resp: 315131
Ion Ratio Lower Upper
276 100
277 24.2 19.1 28.7
138 25.4 18.0 27.0

