

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071822\
 Data File : BF129266.D
 Acq On : 18 Jul 2022 12:03
 Operator : CG\JU
 Sample : N3731-03DL 5X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-2DL

Manual Integrations
 APPROVED

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

Quant Time: Jul 19 02:07:52 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	303386	20.000	ng	0.00
21) Naphthalene-d8	8.181	136	1144370	20.000	ng	# 0.00
39) Acenaphthene-d10	9.939	164	511393	20.000	ng	0.00
64) Phenanthrene-d10	11.427	188	637994	20.000	ng	# 0.00
76) Chrysene-d12	14.080	240	479857	20.000	ng	0.00
86) Perylene-d12	15.574	264	431609	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	385663	20.302	ng	0.00
7) Phenol-d6	6.522	99	479262	19.506	ng	0.00
23) Nitrobenzene-d5	7.457	82	287471	13.428	ng	-0.01
42) 2,4,6-Tribromophenol	10.727	330	73960	15.582	ng	0.00
45) 2-Fluorobiphenyl	9.257	172	528957	17.524	ng	0.00
79) Terphenyl-d14	13.010	244	341272	13.304	ng	0.00
Target Compounds						Qvalue
52) Acenaphthene	9.975	154	84856	3.027	ng	98
58) Fluorene	10.486	166	70415	2.327	ng	98
71) Phenanthrene	11.457	178	872793	26.945	ng	98
72) Anthracene	11.504	178	249511	7.755	ng	98
73) Carbazole	11.657	167	91382	2.847	ng	98
75) Fluoranthene	12.645	202	1399749	43.390	ng	97
78) Pyrene	12.880	202	1352041	34.787	ng	98
81) Benzo(a)anthracene	14.068	228	814123	26.897	ng	98
83) Chrysene	14.104	228	779824	26.992	ng	98
87) Indeno(1,2,3-cd)pyrene	17.086	276	354500	13.172	ng	96
88) Benzo(b)fluoranthene	15.133	252	980230m	36.969	ng	
89) Benzo(k)fluoranthene	15.157	252	328077m	12.664	ng	
90) Benzo(a)pyrene	15.509	252	677621	31.392	ng	# 95
91) Dibenzo(a,h)anthracene	17.098	278	93621m	4.301	ng	
92) Benzo(g,h,i)perylene	17.545	276	337647	15.173	ng	96

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

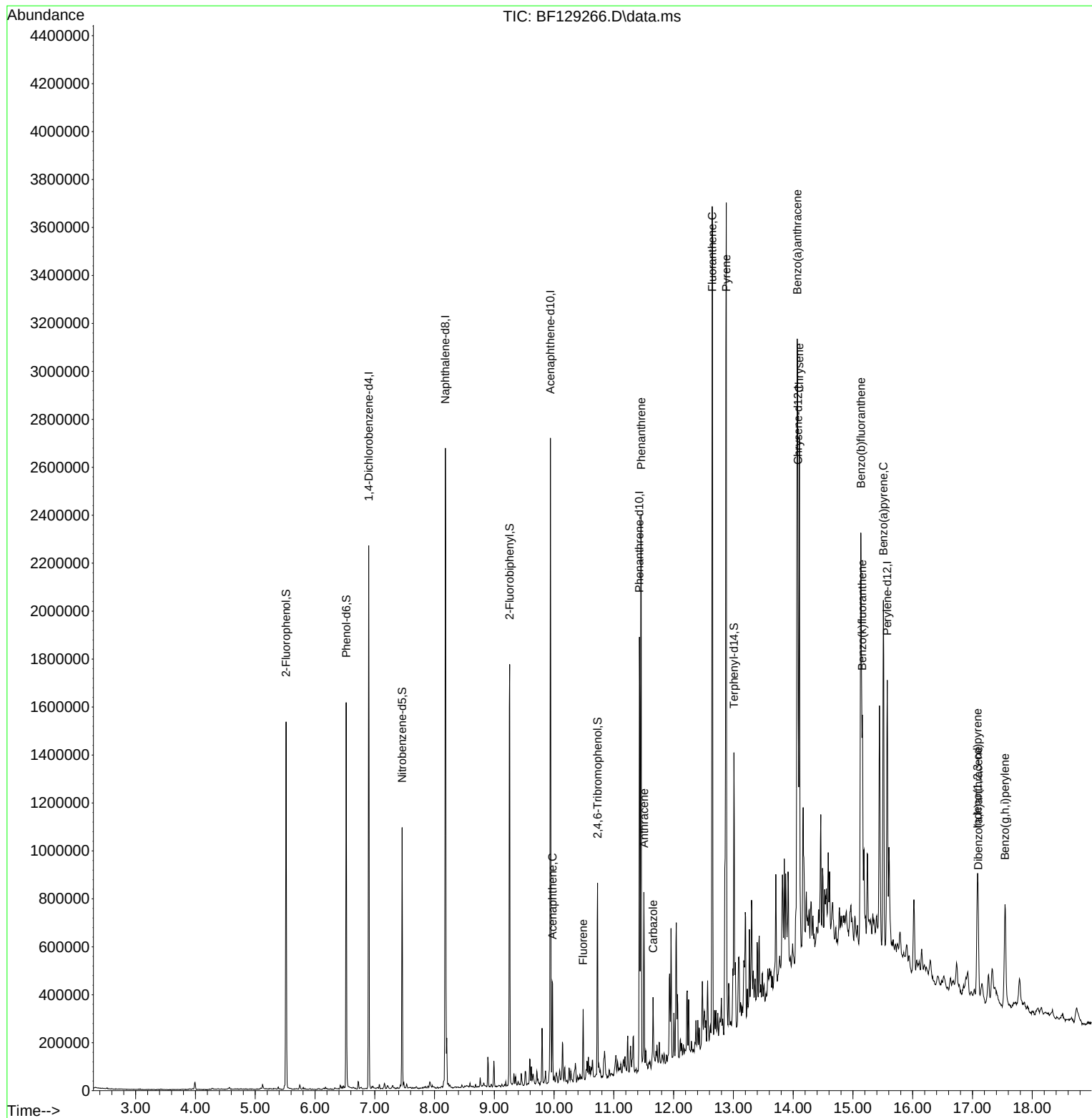
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071822\
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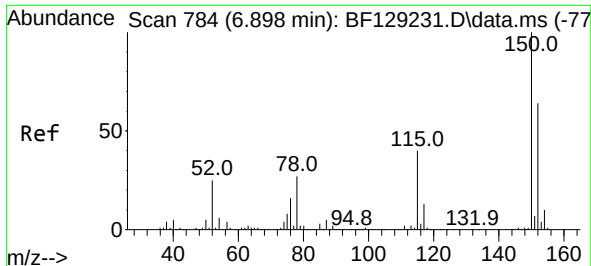
Instrument :
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Quant Time: Jul 19 02:07:52 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071522.M
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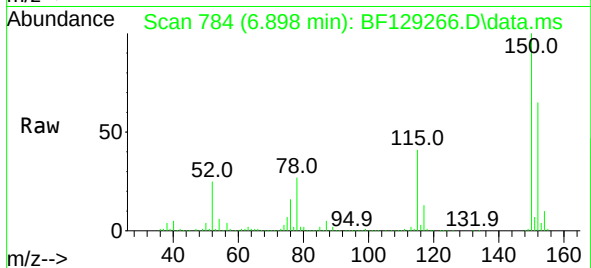
Reviewed By : Christian Giraldo 07/19/2022
Supervised By : Jagrut Upadhyay 07/19/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.898 min Scan# 784
Delta R.T. 0.000 min
Lab File: BF129266.D
Acq: 18 Jul 2022 12:03

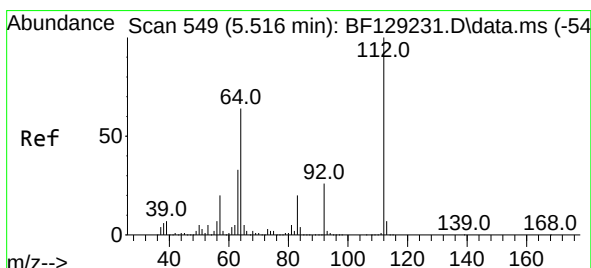
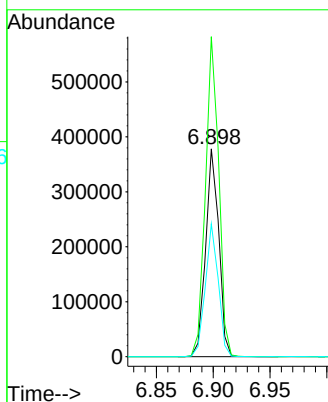
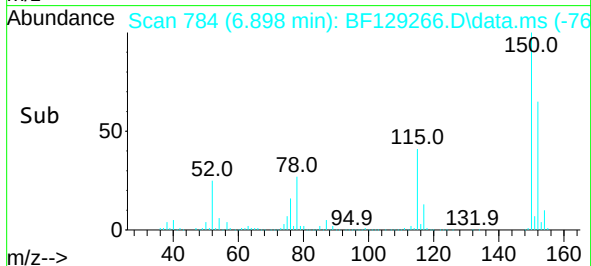
Instrument :
BNA_F
ClientSampleId :
TP-2DL



Tgt Ion:152 Resp: 303380
Ion Ratio Lower Upper
152 100
150 154.0 123.7 185.5
115 63.9 49.9 74.9

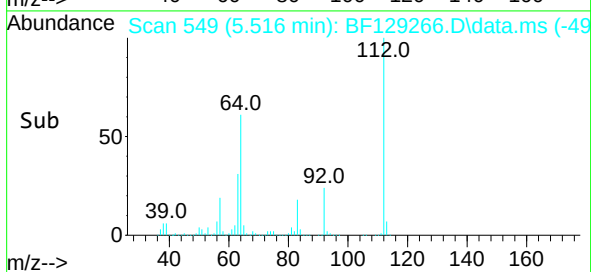
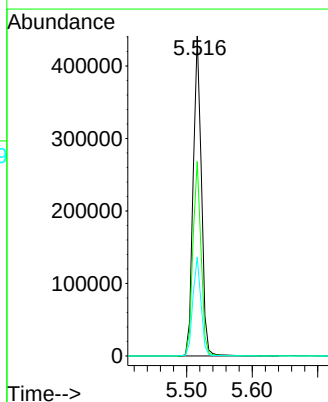
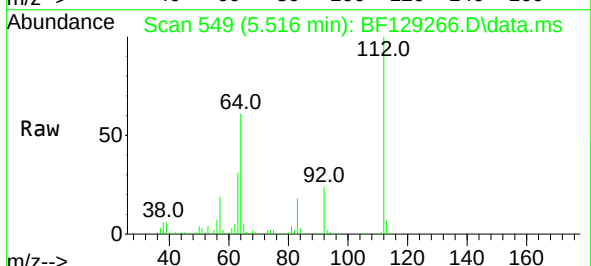
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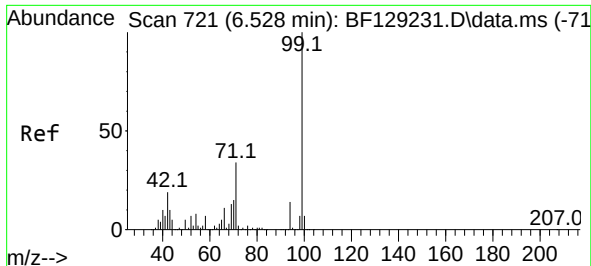
Reviewed By :Christian Giraldo 07/19/2022
Supervised By :Jagrut Upadhyay 07/19/2022



#5
2-Fluorophenol
Concen: 20.302 ng
RT: 5.516 min Scan# 549
Delta R.T. -0.000 min
Lab File: BF129266.D
Acq: 18 Jul 2022 12:03

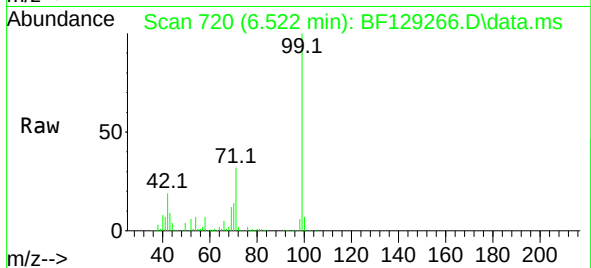
Tgt Ion:112 Resp: 385663
Ion Ratio Lower Upper
112 100
64 60.8 53.3 79.9
63 30.9 28.0 42.0





#7
Phenol-d6
Concen: 19.506 ng
RT: 6.522 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF129266.D
Acq: 18 Jul 2022 12:03

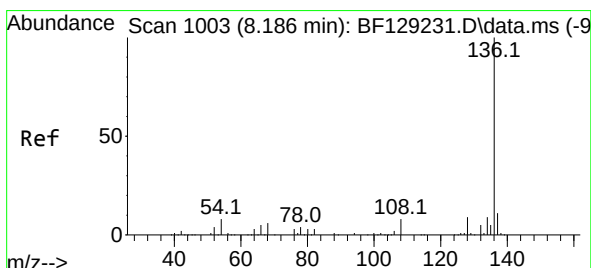
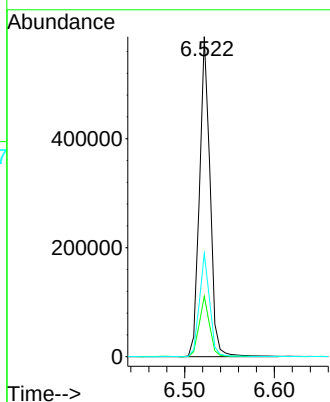
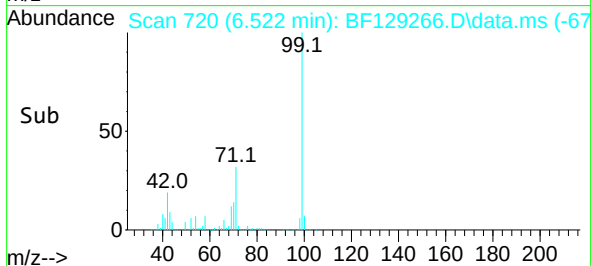
Instrument :
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ClientSampleId :
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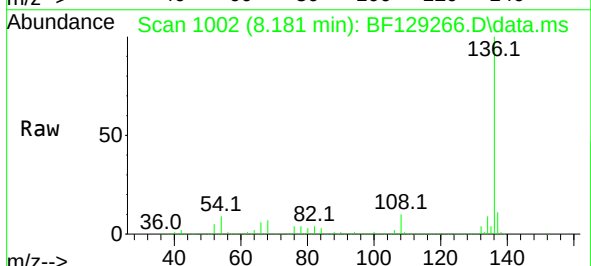
Tgt Ion: 99 Resp: 479262
Ion Ratio Lower Upper
99 100
42 18.9 17.3 25.9
71 32.3 28.9 43.3

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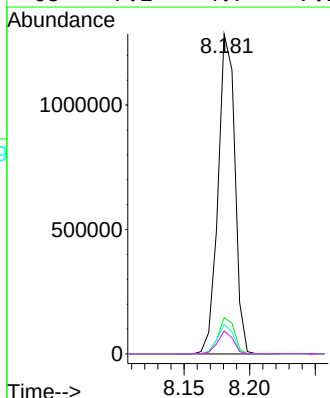
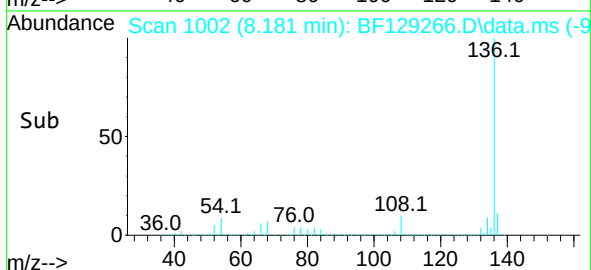
Reviewed By :Christian Giraldo 07/19/2022
Supervised By :Jagrut Upadhyay 07/19/2022

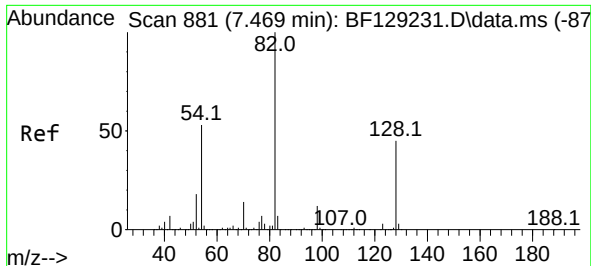


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.181 min Scan# 1002
Delta R.T. -0.006 min
Lab File: BF129266.D
Acq: 18 Jul 2022 12:03



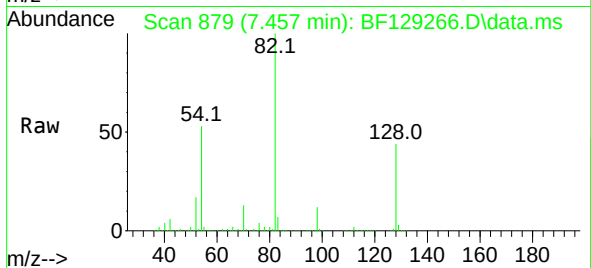
Tgt Ion:136 Resp: 1144370
Ion Ratio Lower Upper
136 100
137 11.3 8.8 13.2
54 9.3 7.5 11.3
68 7.2 4.7 7.1#





#23
Nitrobenzene-d5
Concen: 13.428 ng
RT: 7.457 min Scan# 81
Delta R.T. -0.012 min
Lab File: BF129266.D
Acq: 18 Jul 2022 12:03

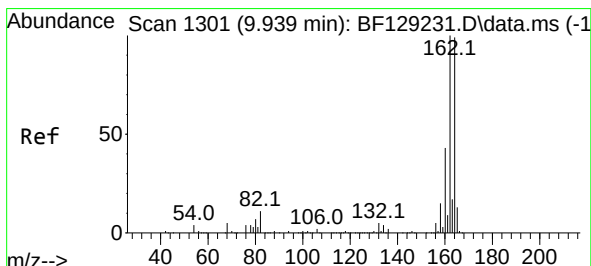
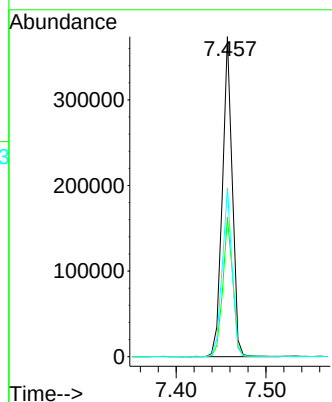
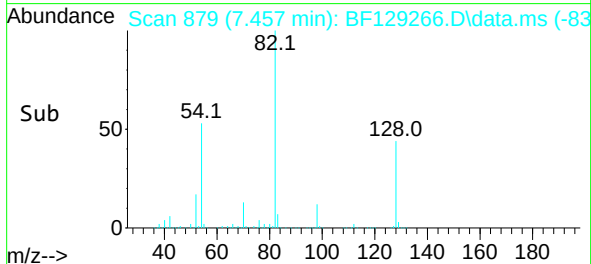
Instrument :
BNA_F
ClientSampleId :
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Tgt Ion: 82 Resp: 28747
Ion Ratio Lower Upper
82 100
128 43.6 34.0 51.0
54 52.8 46.9 70.3

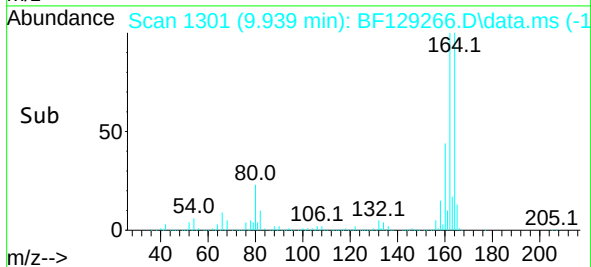
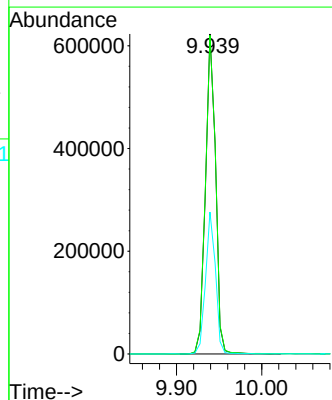
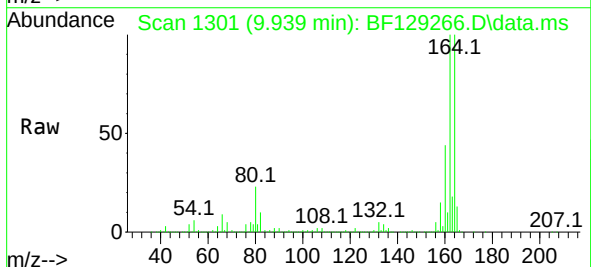
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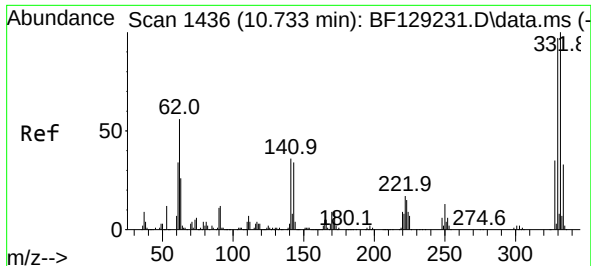
Reviewed By :Christian Giraldo 07/19/2022
Supervised By :Jagrut Upadhyay 07/19/2022



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.939 min Scan# 1301
Delta R.T. -0.000 min
Lab File: BF129266.D
Acq: 18 Jul 2022 12:03

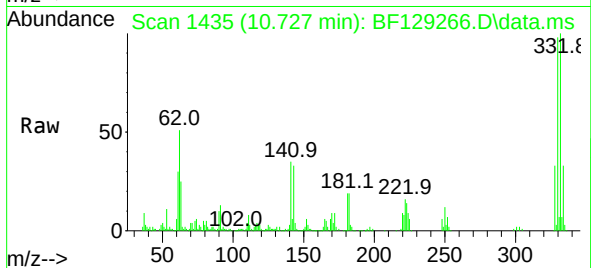
Tgt Ion:164 Resp: 511393
Ion Ratio Lower Upper
164 100
162 99.6 79.5 119.3
160 44.4 34.2 51.4





#42
2,4,6-Tribromophenol
Concen: 15.582 ng
RT: 10.727 min Scan# 1435
Delta R.T. -0.006 min
Lab File: BF129266.D
Acq: 18 Jul 2022 12:03

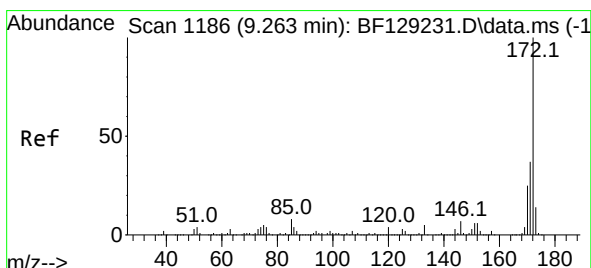
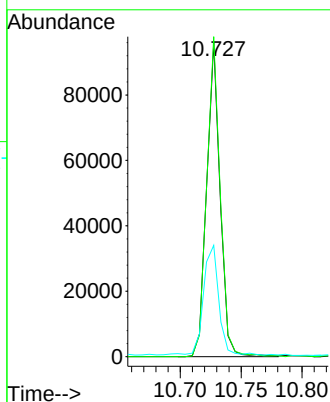
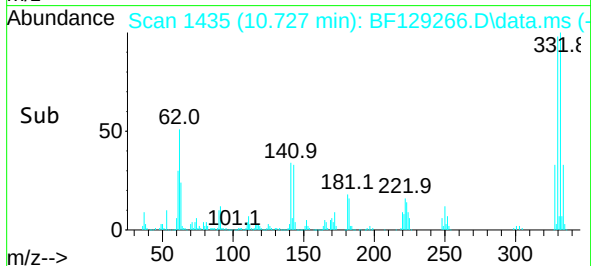
Instrument :
BNA_F
Client SampleId :
TP-2DL



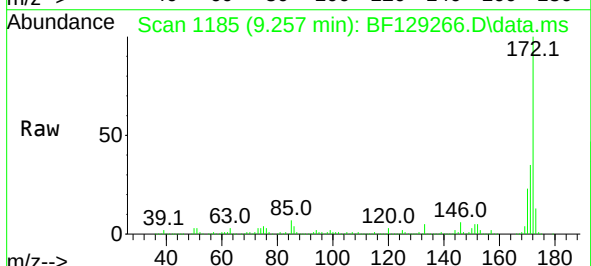
Tgt Ion: 330 Resp: 73960
Ion Ratio Lower Upper
330 100
332 101.8 76.8 115.2
141 39.8 28.0 42.0

Manual Integrations
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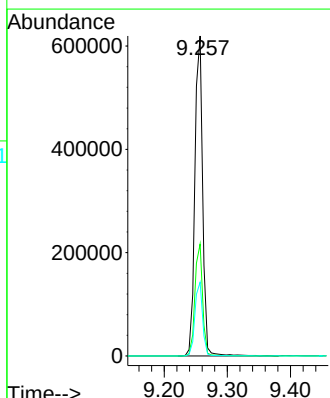
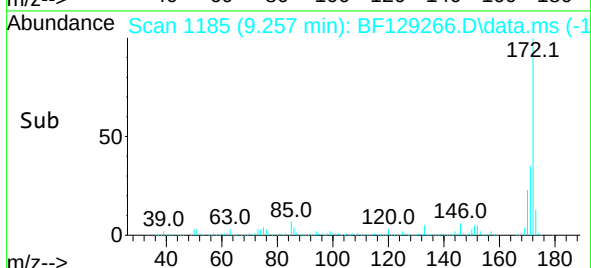
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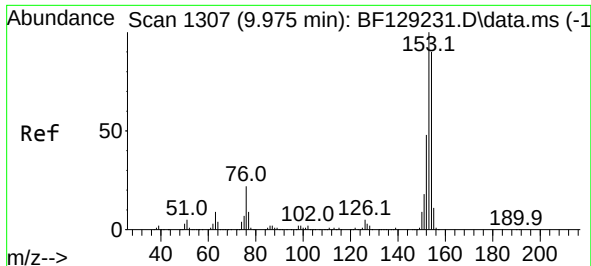


#45
2-Fluorobiphenyl
Concen: 17.524 ng
RT: 9.257 min Scan# 1185
Delta R.T. -0.006 min
Lab File: BF129266.D
Acq: 18 Jul 2022 12:03



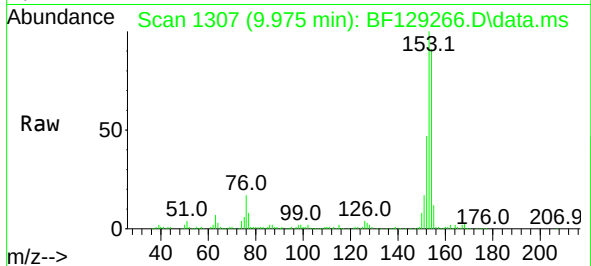
Tgt Ion: 172 Resp: 528957
Ion Ratio Lower Upper
172 100
171 35.0 28.8 43.2
170 23.0 19.8 29.8





#52
Acenaphthene
Concen: 3.027 ng
RT: 9.975 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF129266.D
Acq: 18 Jul 2022 12:03

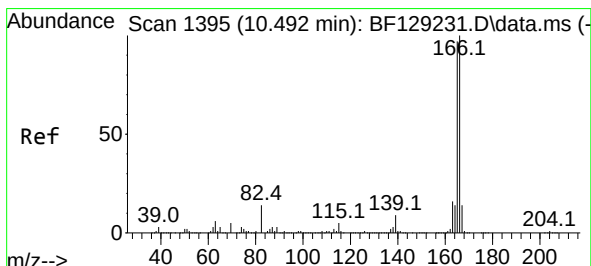
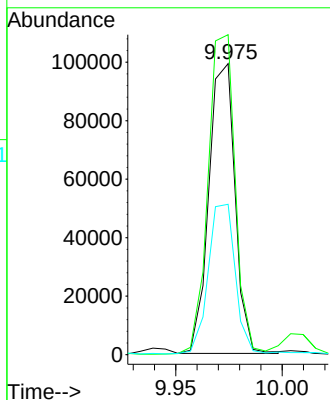
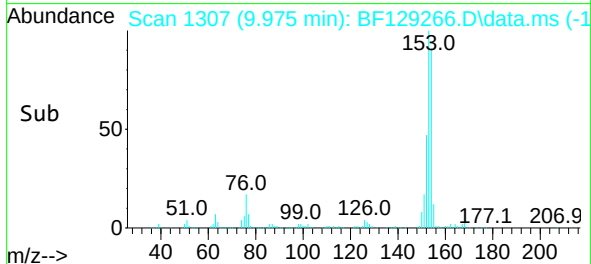
Instrument :
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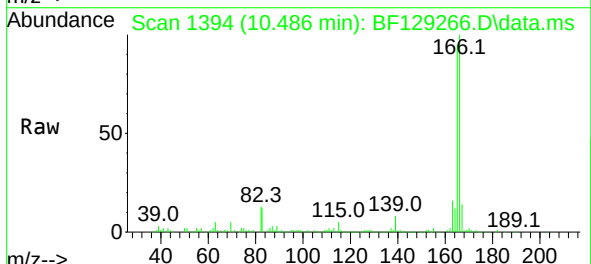
Tgt Ion:154 Resp: 84850
Ion Ratio Lower Upper
154 100
153 110.0 89.6 134.4
152 51.7 42.4 63.6

Manual Integrations
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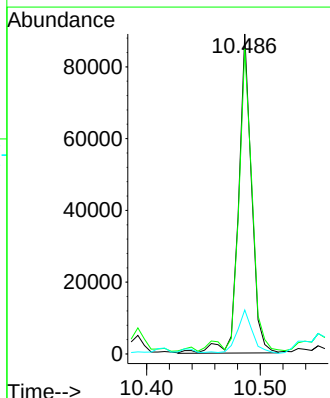
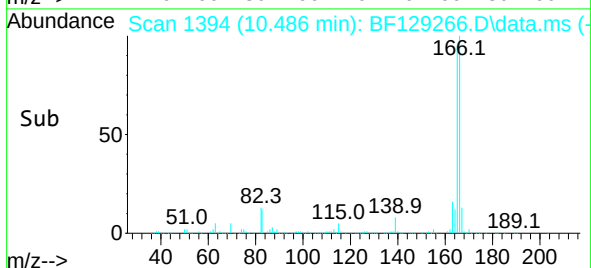
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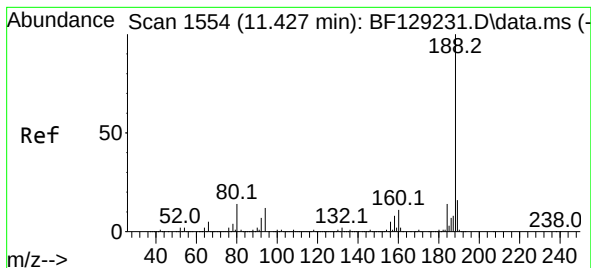


#58
Fluorene
Concen: 2.327 ng
RT: 10.486 min Scan# 1394
Delta R.T. -0.006 min
Lab File: BF129266.D
Acq: 18 Jul 2022 12:03



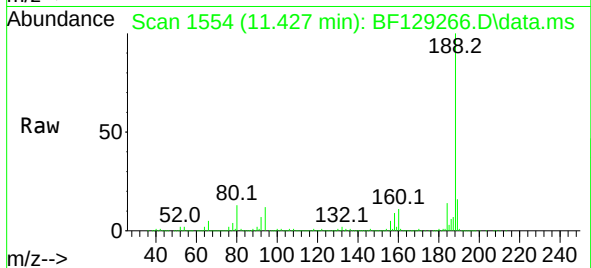
Tgt Ion:166 Resp: 70415
Ion Ratio Lower Upper
166 100
165 95.4 78.1 117.1
167 13.7 10.5 15.7





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.427 min Scan# 1554
Delta R.T. -0.000 min
Lab File: BF129266.D
Acq: 18 Jul 2022 12:03

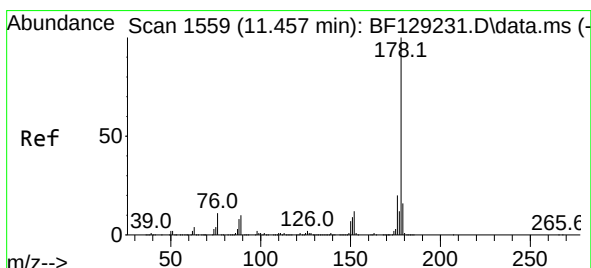
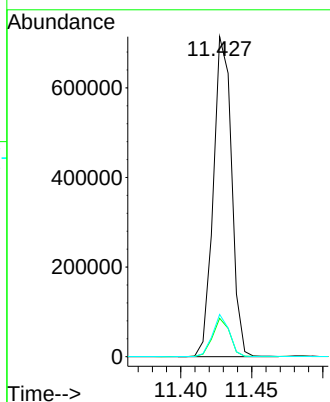
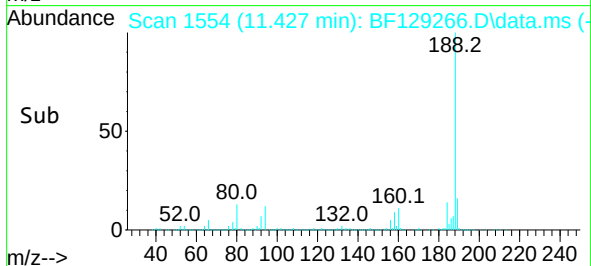
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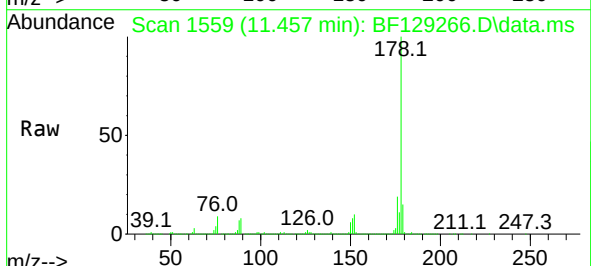
Tgt Ion:188 Resp: 637994
Ion Ratio Lower Upper
188 100
94 12.0 7.0 10.6
80 13.2 7.6 11.4

Manual Integrations
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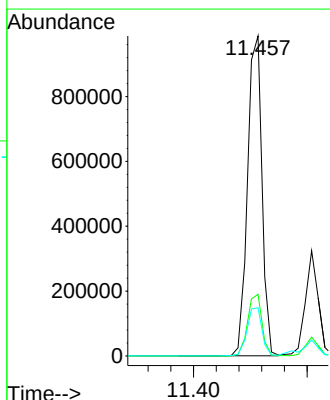
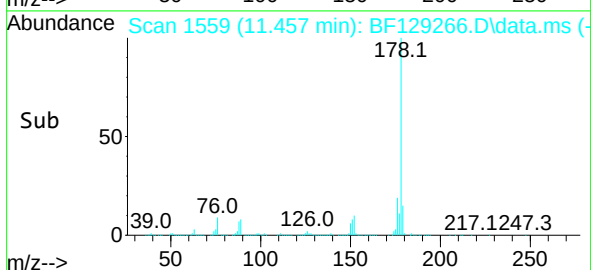
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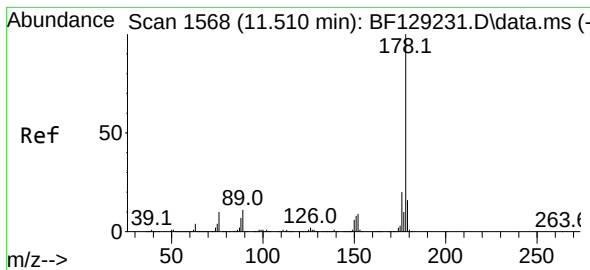


#71
Phenanthrene
Concen: 26.945 ng
RT: 11.457 min Scan# 1559
Delta R.T. -0.000 min
Lab File: BF129266.D
Acq: 18 Jul 2022 12:03



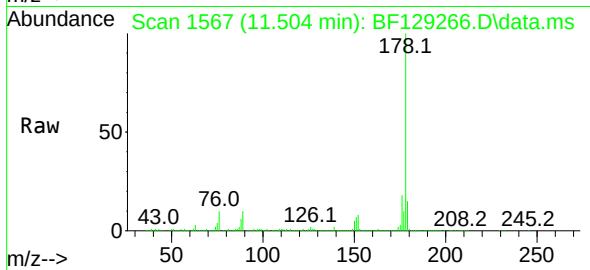
Tgt Ion:178 Resp: 872793
Ion Ratio Lower Upper
178 100
176 19.2 16.0 24.0
179 15.1 12.6 19.0





#72
 Anthracene
 Concen: 7.755 ng
 RT: 11.504 min Scan# 11504
 Delta R.T. -0.006 min
 Lab File: BF129266.D
 Acq: 18 Jul 2022 12:03

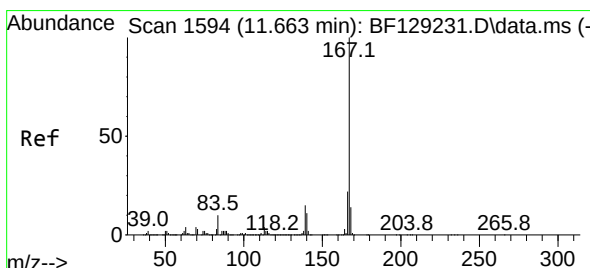
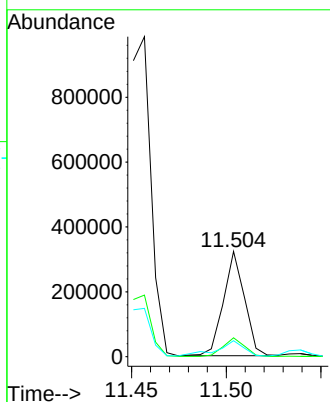
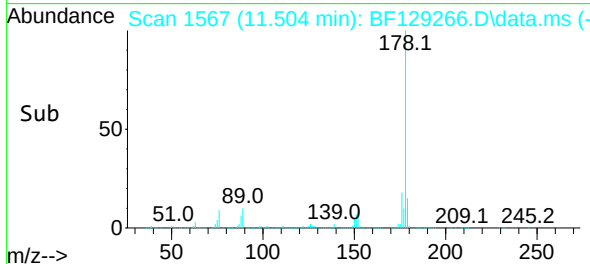
Instrument :
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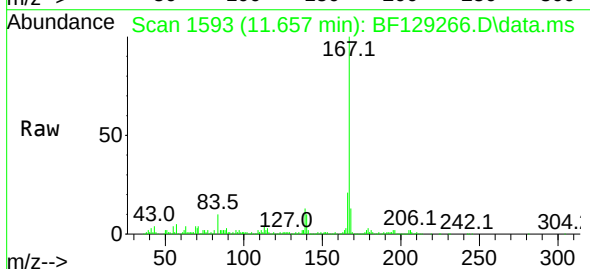
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 Ion Ratio Lower Upper
 178 100
 176 18.0 15.4 23.2
 179 15.3 12.6 19.0

Manual Integrations
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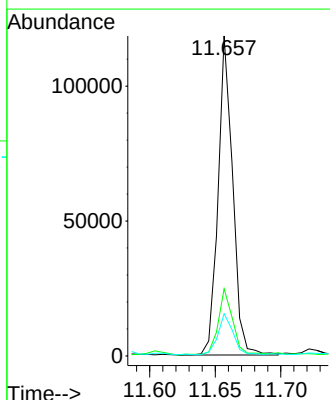
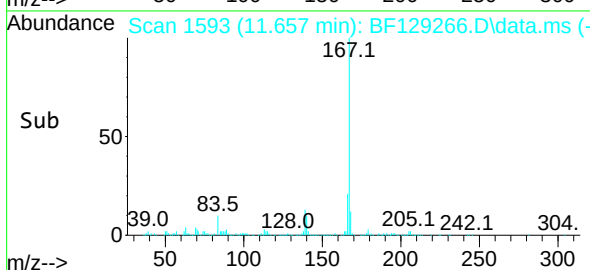
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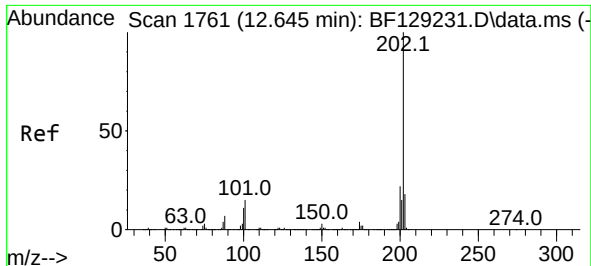


#73
 Carbazole
 Concen: 2.847 ng
 RT: 11.657 min Scan# 1593
 Delta R.T. -0.006 min
 Lab File: BF129266.D
 Acq: 18 Jul 2022 12:03



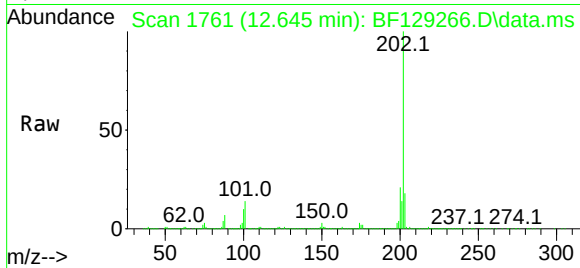
Tgt Ion:167 Resp: 91382
 Ion Ratio Lower Upper
 167 100
 166 21.0 17.7 26.5
 139 13.2 11.2 16.8





#75
Fluoranthene
Concen: 43.390 ng
RT: 12.645 min Scan# 1761
Delta R.T. -0.000 min
Lab File: BF129266.D
Acq: 18 Jul 2022 12:03

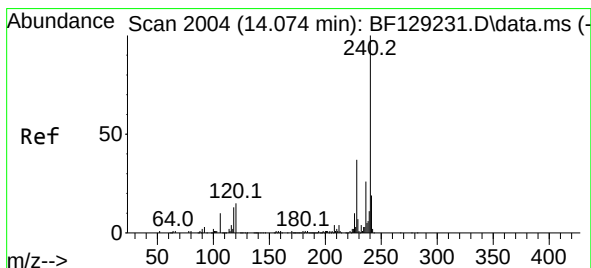
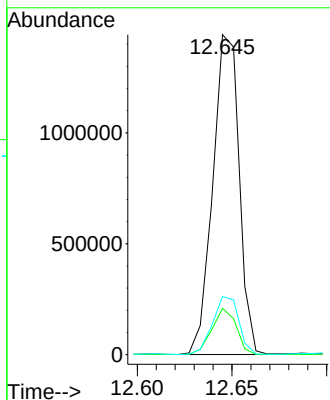
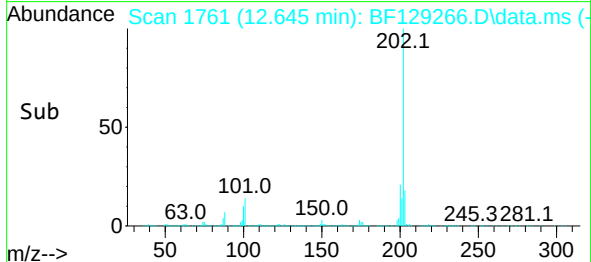
Instrument :
BNA_F
ClientSampleId :
TP-2DL



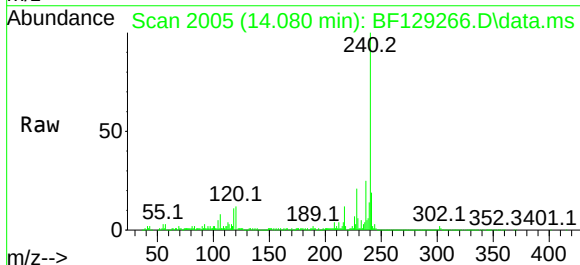
Tgt Ion:202 Resp: 1399749
Ion Ratio Lower Upper
202 100
101 14.4 0.0 31.4
203 18.2 0.0 38.0

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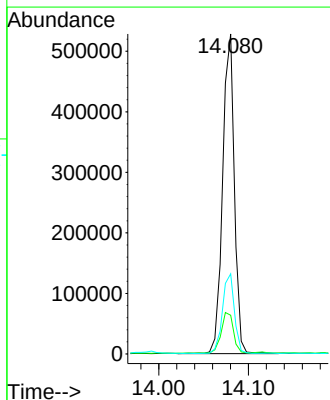
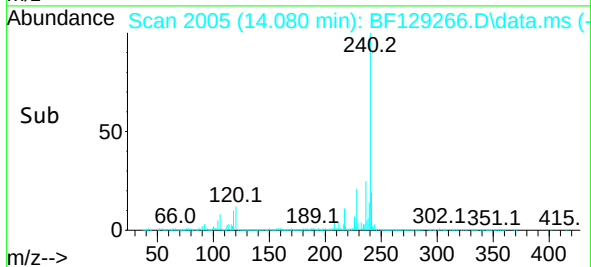
Reviewed By :Christian Giraldo 07/19/2022
Supervised By :Jagrut Upadhyay 07/19/2022

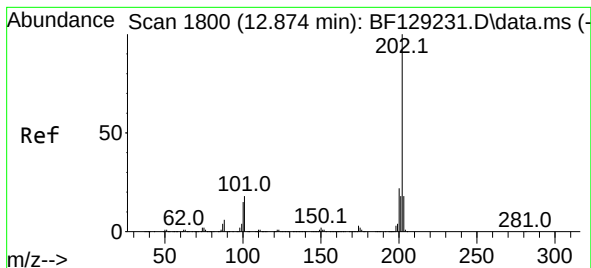


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.080 min Scan# 2005
Delta R.T. 0.006 min
Lab File: BF129266.D
Acq: 18 Jul 2022 12:03



Tgt Ion:240 Resp: 479857
Ion Ratio Lower Upper
240 100
120 12.1 8.9 13.3
236 25.1 20.8 31.2





#78

Pyrene

Concen: 34.787 ng

RT: 12.880 min Scan# 1801

Delta R.T. 0.006 min

Lab File: BF129266.D

Acq: 18 Jul 2022 12:03

Instrument :

BNA_F

ClientSampleId :

TP-2DL

Tgt Ion:202 Resp: 135204

Ion Ratio Lower Upper

202 100

200 21.2 17.7 26.5

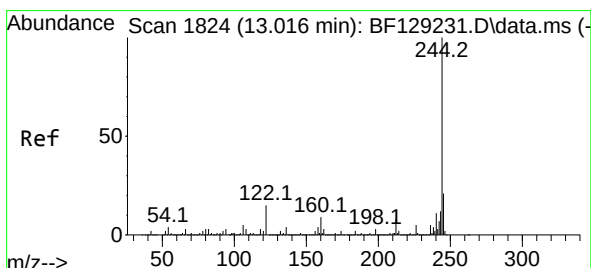
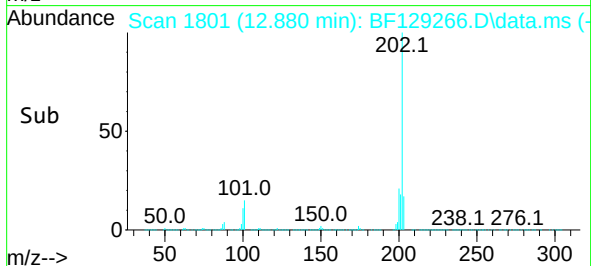
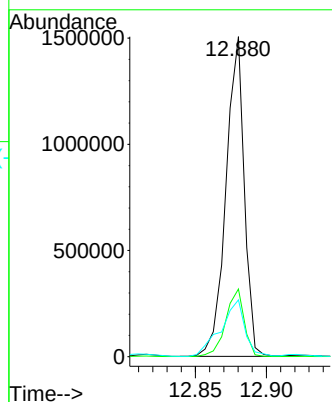
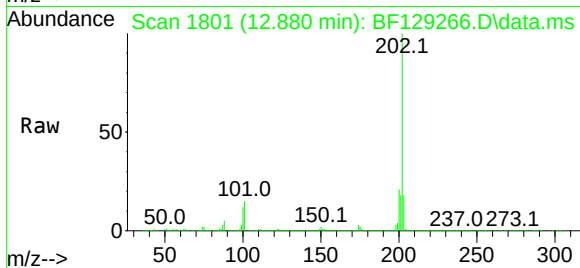
203 17.7 14.6 21.8

Manual Integrations

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Reviewed By :Christian Giraldo 07/19/2022

Supervised By :Jagrut Upadhyay 07/19/2022



#79

Terphenyl-d14

Concen: 13.304 ng

RT: 13.010 min Scan# 1823

Delta R.T. -0.006 min

Lab File: BF129266.D

Acq: 18 Jul 2022 12:03

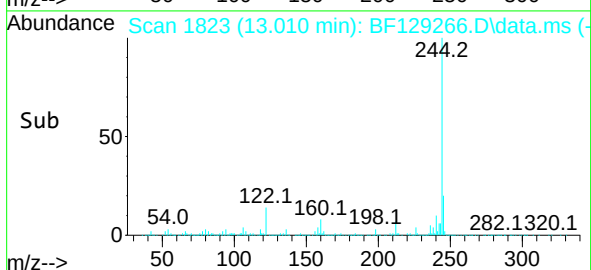
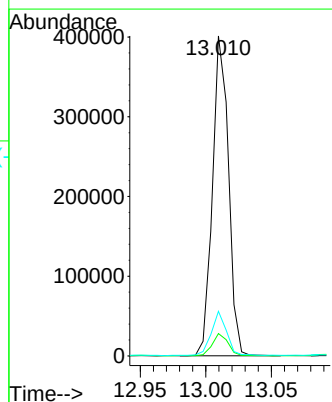
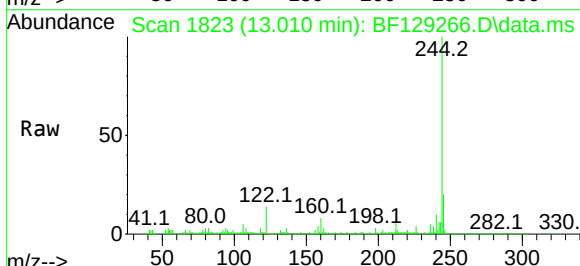
Tgt Ion:244 Resp: 341272

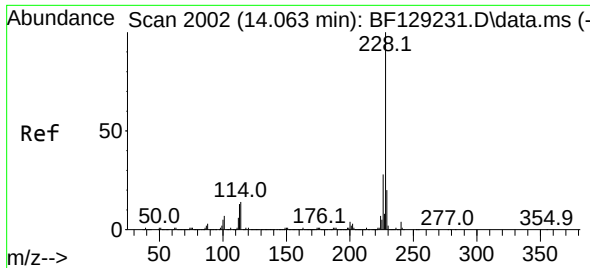
Ion Ratio Lower Upper

244 100

212 7.0 6.1 9.1

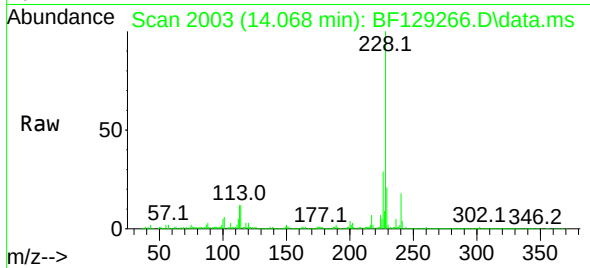
122 13.9 8.8 13.2#





#81
Benzo(a)anthracene
Concen: 26.897 ng
RT: 14.068 min Scan# 2002
Delta R.T. 0.006 min
Lab File: BF129266.D
Acq: 18 Jul 2022 12:03

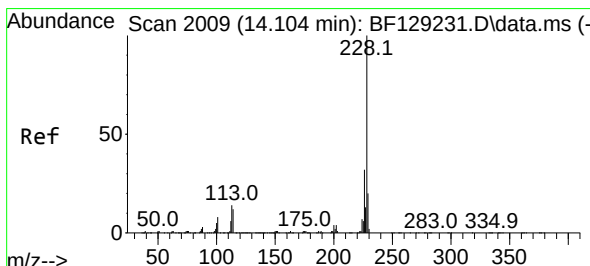
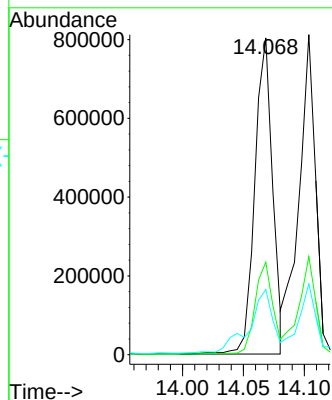
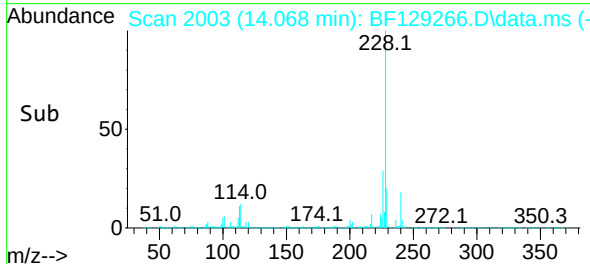
Instrument :
BNA_F
ClientSampleId :
TP-2DL



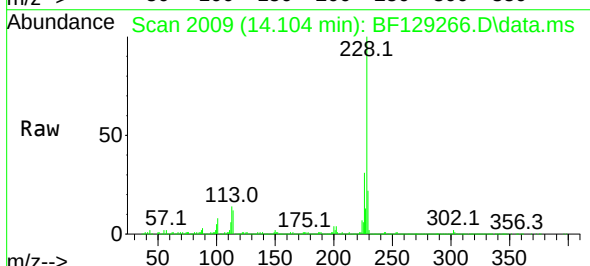
Tgt Ion:228 Resp: 81412
Ion Ratio Lower Upper
228 100
226 29.2 22.1 33.1
229 20.5 15.8 23.8

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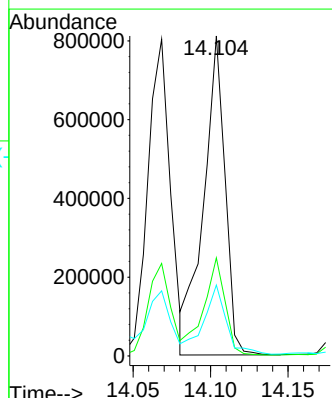
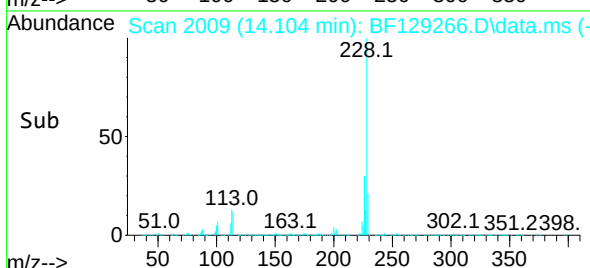
Reviewed By :Christian Giraldo 07/19/2022
Supervised By :Jagrut Upadhyay 07/19/2022

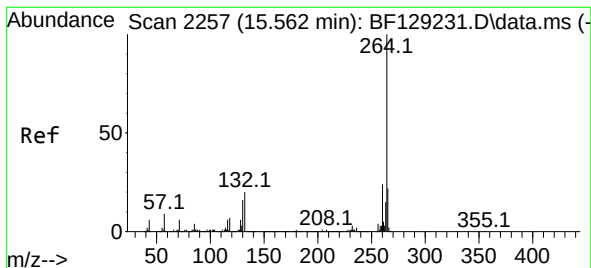


#83
Chrysene
Concen: 26.992 ng
RT: 14.104 min Scan# 2009
Delta R.T. -0.000 min
Lab File: BF129266.D
Acq: 18 Jul 2022 12:03



Tgt Ion:228 Resp: 779824
Ion Ratio Lower Upper
228 100
226 30.7 24.3 36.5
229 22.2 15.9 23.9





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.574 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF129266.D

Acq: 18 Jul 2022 12:03

Instrument :

BNA_F

ClientSampleId :

TP-2DL

Tgt Ion:264 Resp: 431609

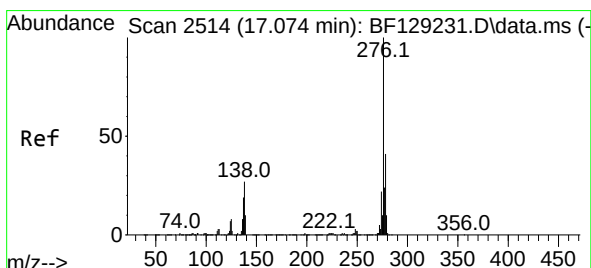
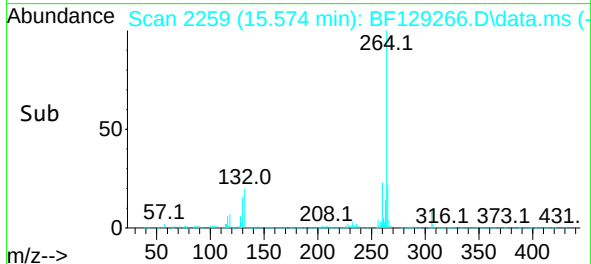
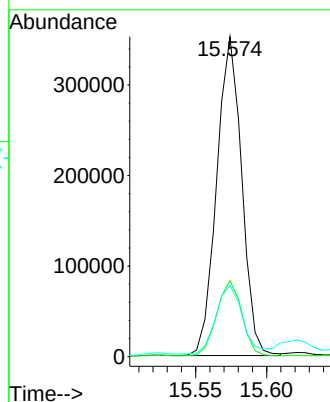
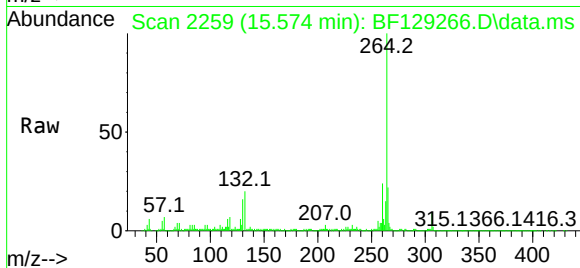
Ion	Ratio	Lower	Upper
264	100		
260	23.8	18.4	27.6
265	22.3	17.2	25.8

Manual Integrations

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Reviewed By :Christian Giraldo 07/19/2022

Supervised By :Jagrut Upadhyay 07/19/2022



#87

Indeno(1,2,3-cd)pyrene

Concen: 13.172 ng

RT: 17.086 min Scan# 2516

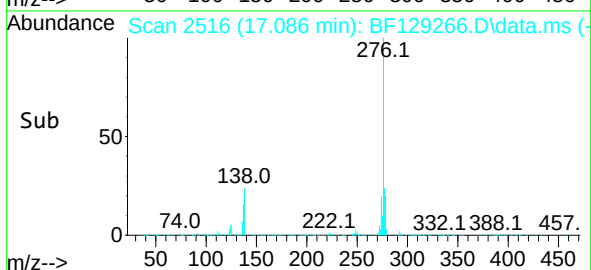
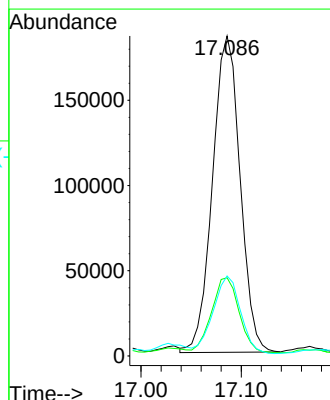
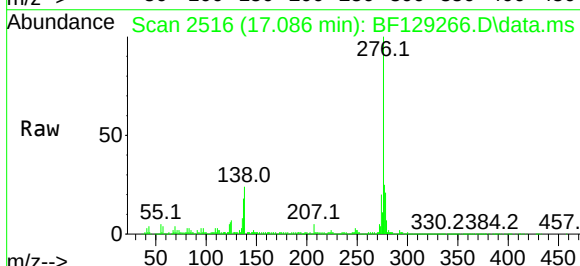
Delta R.T. 0.012 min

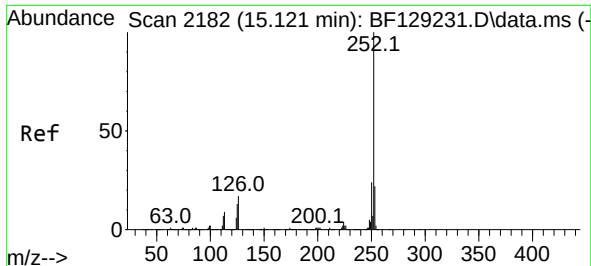
Lab File: BF129266.D

Acq: 18 Jul 2022 12:03

Tgt Ion:276 Resp: 354500

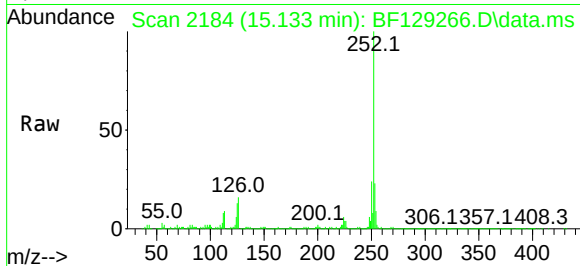
Ion	Ratio	Lower	Upper
276	100		
138	23.6	21.1	31.7
277	24.3	20.3	30.5





#88
Benzo(b)fluoranthene
Concen: 36.969 ng m
RT: 15.133 min Scan# 2182
Delta R.T. 0.012 min
Lab File: BF129266.D
Acq: 18 Jul 2022 12:03

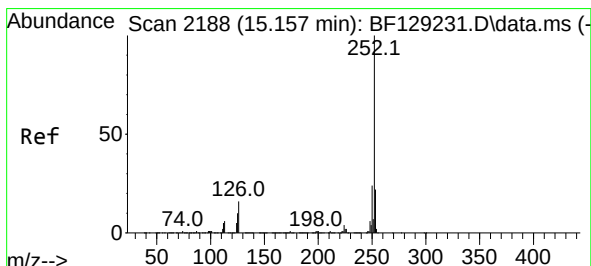
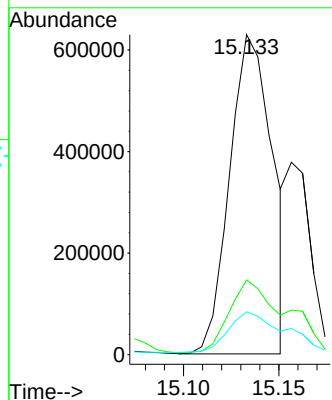
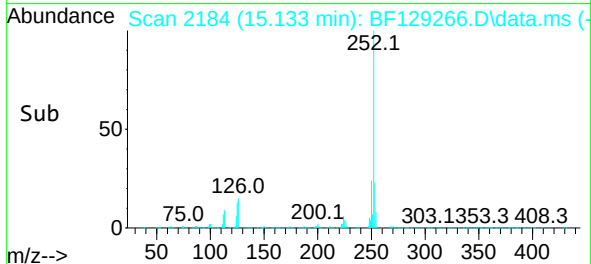
Instrument :
BNA_F
ClientSampleId :
TP-2DL



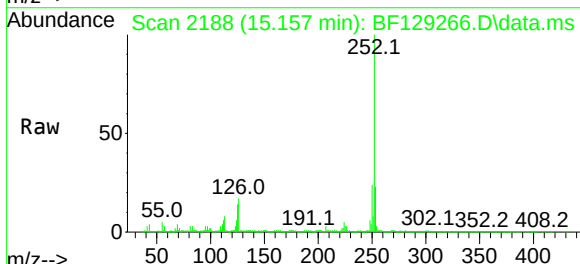
Tgt Ion:252 Resp: 980230
Ion Ratio Lower Upper
252 100
253 23.4 17.7 26.5
125 13.4 8.0 12.0

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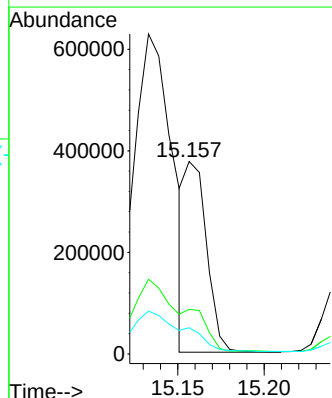
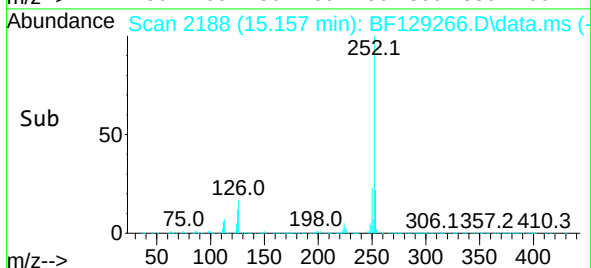
Reviewed By :Christian Giraldo 07/19/2022
Supervised By :Jagrut Upadhyay 07/19/2022

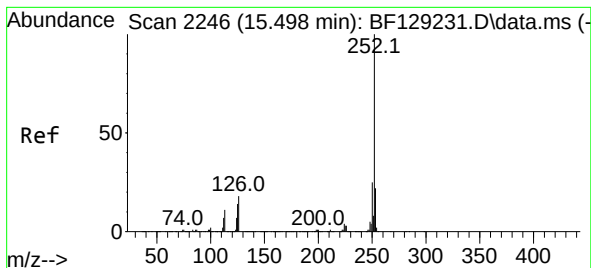


#89
Benzo(k)fluoranthene
Concen: 12.664 ng m
RT: 15.157 min Scan# 2188
Delta R.T. -0.000 min
Lab File: BF129266.D
Acq: 18 Jul 2022 12:03



Tgt Ion:252 Resp: 328077
Ion Ratio Lower Upper
252 100
253 23.2 17.8 26.6
125 13.6 8.3 12.5





#90

Benzo(a)pyrene

Concen: 31.392 ng

RT: 15.509 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF129266.D

Acq: 18 Jul 2022 12:03

Instrument :

BNA_F

ClientSampleId :

TP-2DL

Tgt Ion:252 Resp: 67762

Ion Ratio Lower Upper

252 100

253 23.1 17.0 25.6

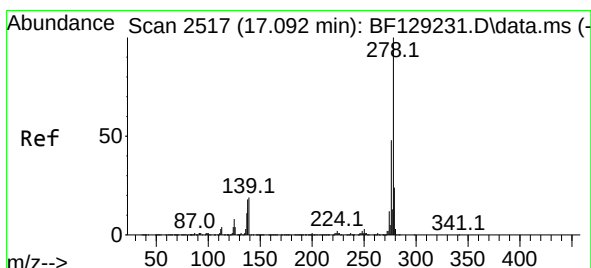
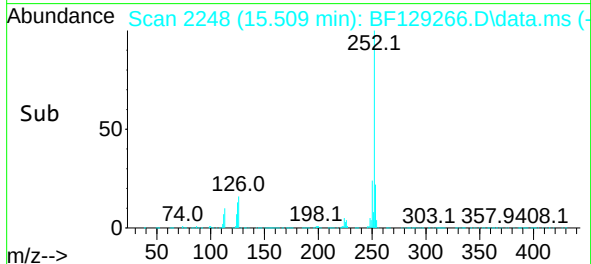
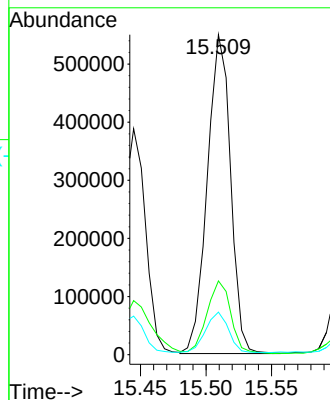
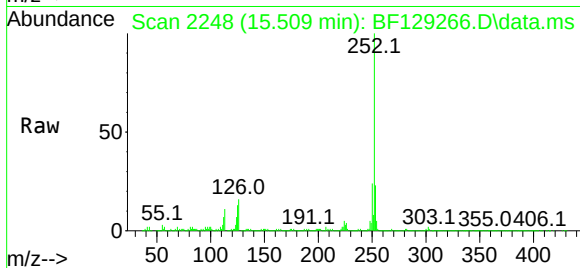
125 13.3 8.8 13.2

Manual Integrations

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Reviewed By :Christian Giraldo 07/19/2022

Supervised By :Jagrut Upadhyay 07/19/2022



#91

Dibenzo(a,h)anthracene

Concen: 4.301 ng m

RT: 17.098 min Scan# 2518

Delta R.T. 0.006 min

Lab File: BF129266.D

Acq: 18 Jul 2022 12:03

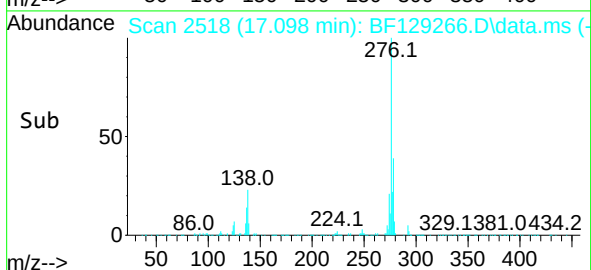
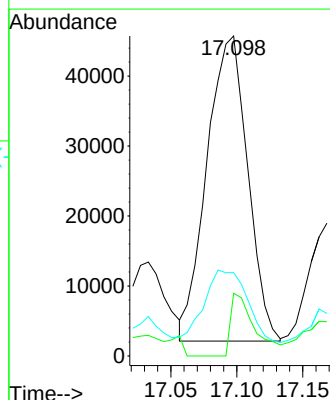
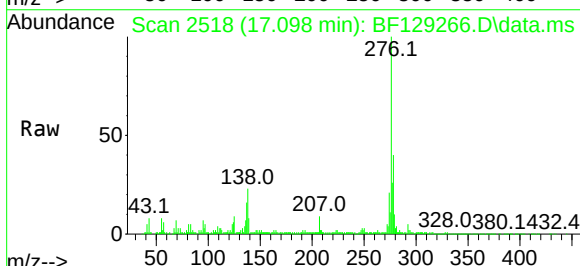
Tgt Ion:278 Resp: 93621

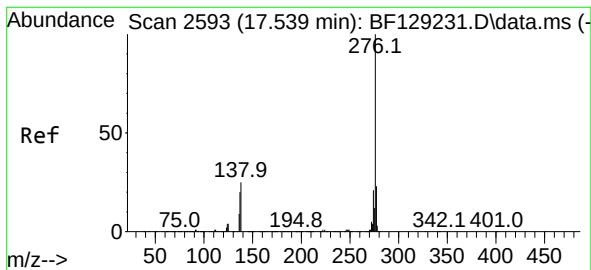
Ion Ratio Lower Upper

278 100

139 19.6 12.8 19.2

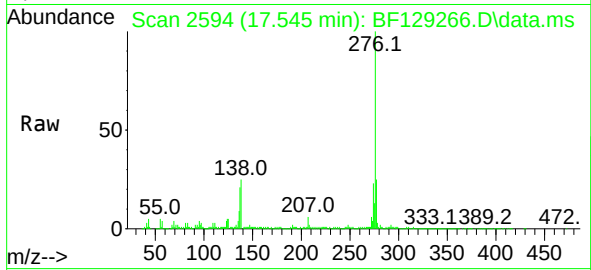
279 26.0 18.6 28.0





#92
 Benzo(g,h,i)perylene
 Concen: 15.173 ng
 RT: 17.545 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: BF129266.D
 Acq: 18 Jul 2022 12:03

Instrument :
 BNA_F
 ClientSampleId :
 TP-2DL



Tgt Ion: 276 Resp: 33764
 Ion Ratio Lower Upper
 276 100
 277 25.3 19.1 28.7
 138 25.3 18.0 27.0

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

