

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080922\
 Data File : BF129682.D
 Acq On : 09 Aug 2022 23:59
 Operator : CG\JU
 Sample : N3963-03
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RVE-208

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 08/10/2022
 Supervised By : Jagrut Upadhyay 08/10/2022

Quant Time: Aug 10 05:37:02 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	6.840	152	187935	20.000	ng	-0.01
21) Naphthalene-d8	8.122	136	699156	20.000	ng	-0.01
39) Acenaphthene-d10	9.881	164	317551	20.000	ng	-0.01
64) Phenanthrene-d10	11.369	188	442256	20.000	ng	-0.01
76) Chrysene-d12	14.021	240	302518	20.000	ng	0.00
86) Perylene-d12	15.498	264	272211	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	1079952	93.609	ng	0.00
7) Phenol-d6	6.498	99	1334973	92.060	ng	0.00
23) Nitrobenzene-d5	7.410	82	827848	64.637	ng	-0.01
42) 2,4,6-Tribromophenol	10.675	330	262708	86.049	ng	-0.01
45) 2-Fluorobiphenyl	9.198	172	1388101	67.621	ng	-0.01
79) Terphenyl-d14	12.957	244	1005771	62.722	ng	-0.01
Target Compounds						Qvalue
52) Acenaphthene	9.910	154	45689	2.457	ng	97
71) Phenanthrene	11.392	178	673903	27.915	ng	98
72) Anthracene	11.445	178	122600	5.168	ng	98
73) Carbazole	11.604	167	129801	5.812	ng	98
75) Fluoranthene	12.592	202	1440840	58.904	ng	99
78) Pyrene	12.822	202	1407775	55.649	ng	99
81) Benzo(a)anthracene	14.010	228	1051458	50.881	ng	98
83) Chrysene	14.051	228	1098638	56.410	ng	97
87) Indeno(1,2,3-cd)pyrene	16.992	276	548186	29.905	ng	94
88) Benzo(b)fluoranthene	15.074	252	1411257m	78.157	ng	
89) Benzo(k)fluoranthene	15.098	252	522292m	29.517	ng	
90) Benzo(a)pyrene	15.445	252	1003435	68.457	ng	98
91) Dibenzo(a,h)anthracene	16.992	278	167957m	11.257	ng	
92) Benzo(g,h,i)perylene	17.445	276	514469	33.746	ng	99

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

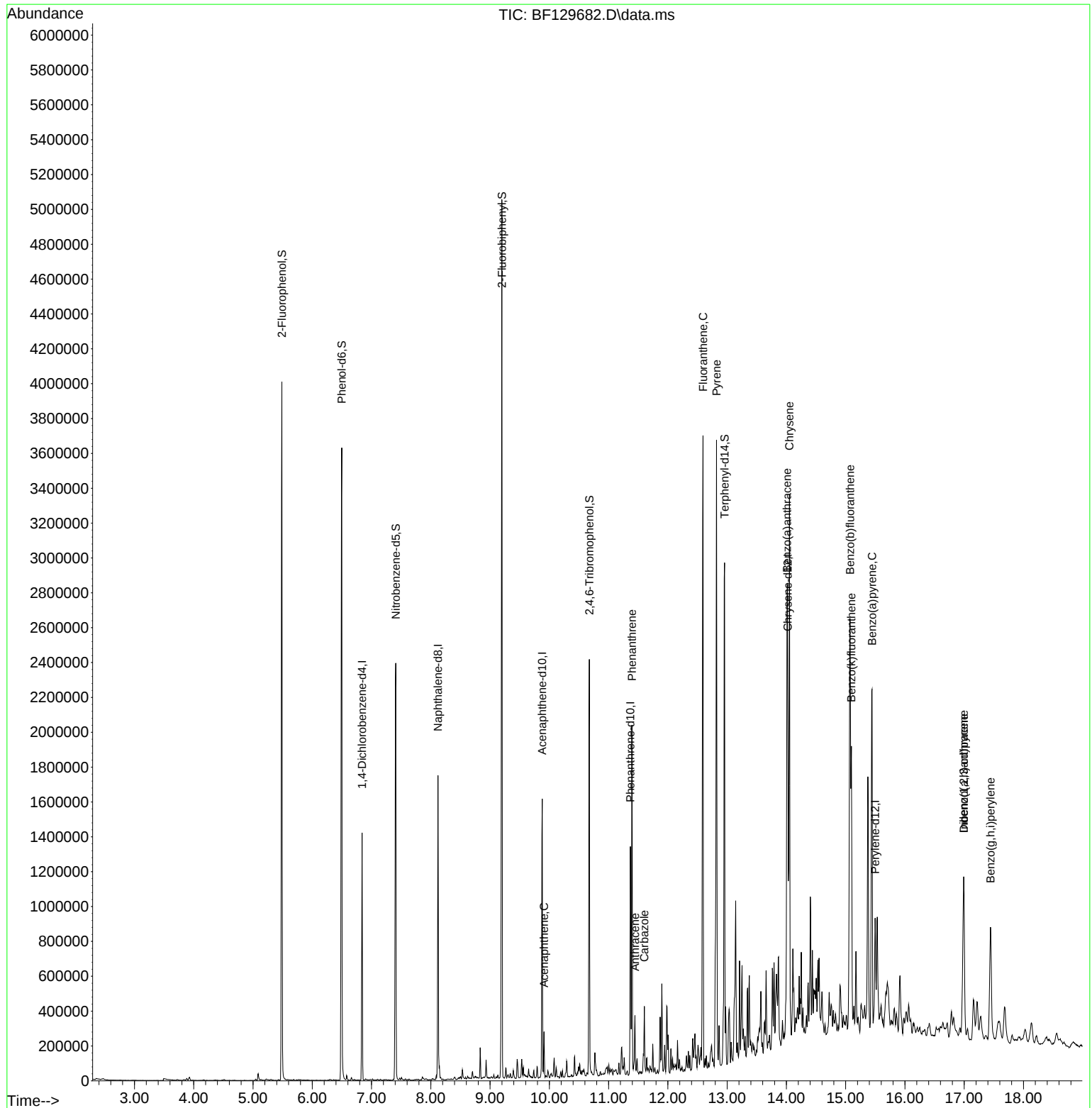
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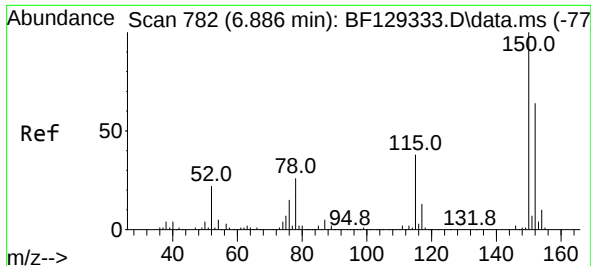
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072522.M
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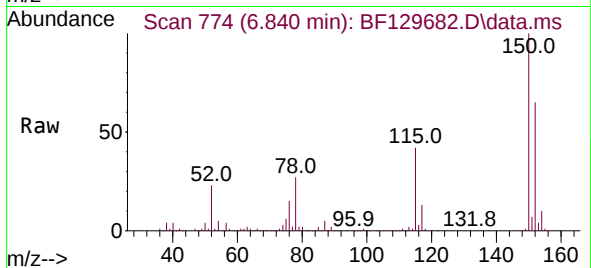
Reviewed By : Christian Giraldo 08/10/2022
Supervised By : Jagrut Upadhyay 08/10/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.840 min Scan# 71
Delta R.T. -0.011 min
Lab File: BF129682.D
Acq: 09 Aug 2022 23:59

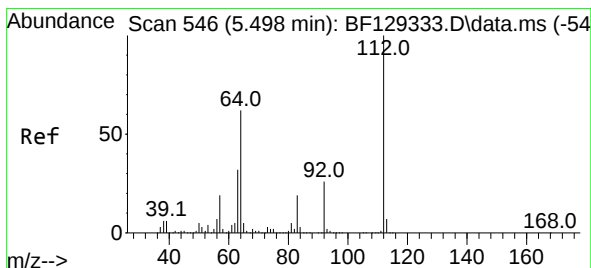
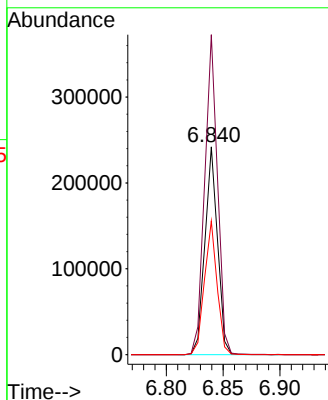
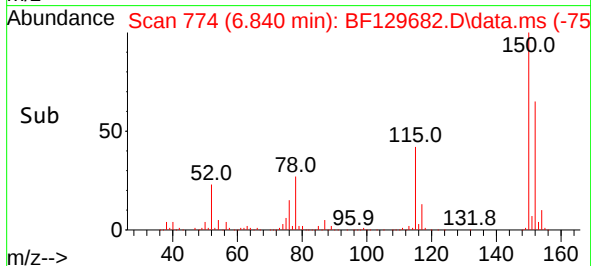
Instrument :
BNA_F
ClientSampleId :
RVE-208



Tgt Ion:152 Resp: 187935
Ion Ratio Lower Upper
152 100
150 154.0 123.7 185.5
115 64.3 49.9 74.9

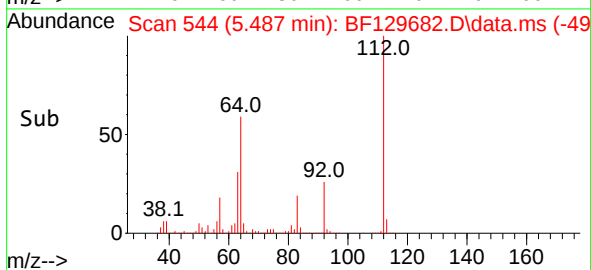
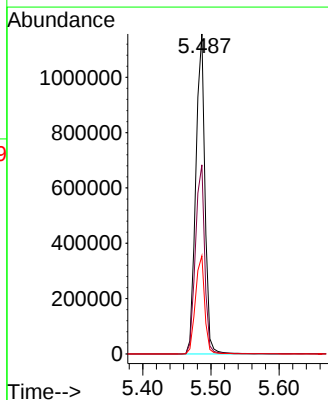
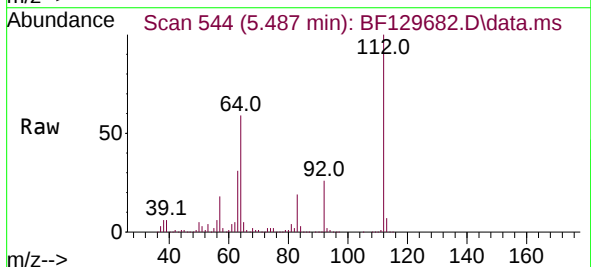
Manual Integrations
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Reviewed By :Christian Giraldo 08/10/2022
Supervised By :Jagrut Upadhyay 08/10/2022



#5
2-Fluorophenol
Concen: 93.609 ng
RT: 5.487 min Scan# 544
Delta R.T. 0.006 min
Lab File: BF129682.D
Acq: 09 Aug 2022 23:59

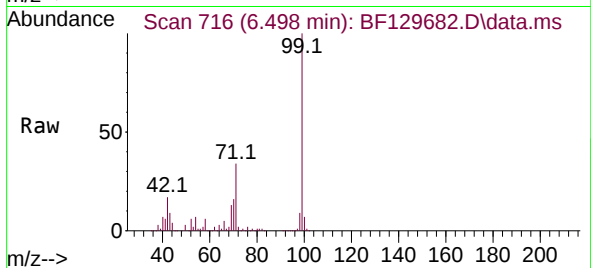
Tgt Ion:112 Resp: 1079952
Ion Ratio Lower Upper
112 100
64 59.1 53.3 79.9
63 30.6 28.0 42.0





#7
Phenol-d6
Concen: 92.060 ng
RT: 6.498 min Scan# 719
Delta R.T. -0.006 min
Lab File: BF129682.D
Acq: 09 Aug 2022 23:59

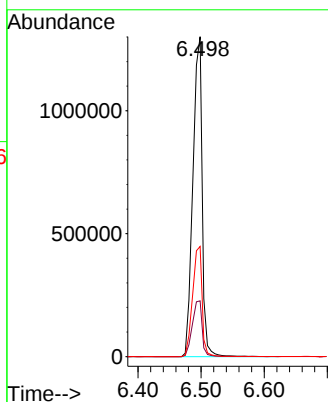
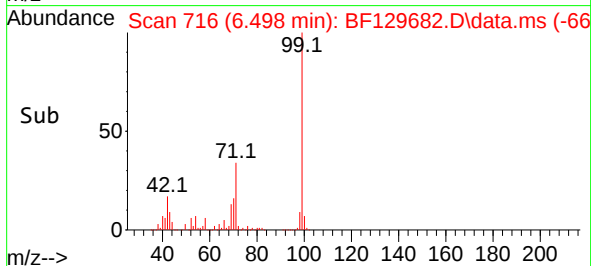
Instrument :
BNA_F
ClientSampleId :
RVE-208



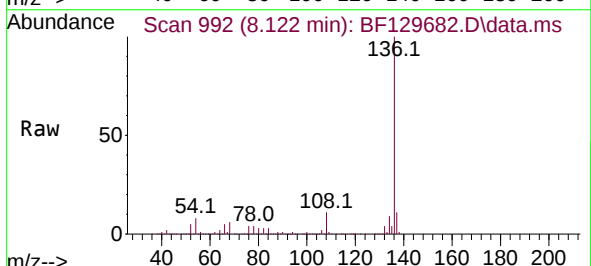
Tgt Ion: 99 Resp: 1334973
Ion Ratio Lower Upper
99 100
42 17.4 17.3 25.9
71 34.4 28.9 43.3

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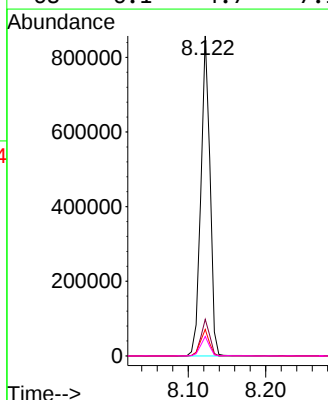
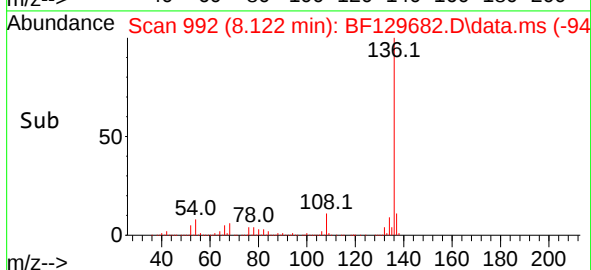
Reviewed By :Christian Giraldo 08/10/2022
Supervised By :Jagrut Upadhyay 08/10/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.122 min Scan# 992
Delta R.T. -0.012 min
Lab File: BF129682.D
Acq: 09 Aug 2022 23:59



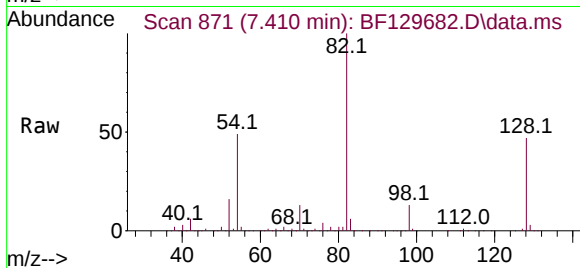
Tgt Ion:136 Resp: 699156
Ion Ratio Lower Upper
136 100
137 11.4 8.8 13.2
54 8.3 7.5 11.3
68 6.1 4.7 7.1





#23
Nitrobenzene-d5
Concen: 64.637 ng
RT: 7.410 min Scan# 81
Delta R.T. -0.012 min
Lab File: BF129682.D
Acq: 09 Aug 2022 23:59

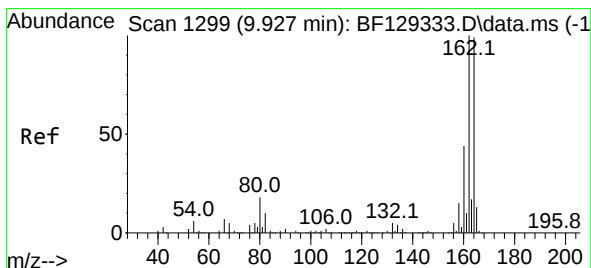
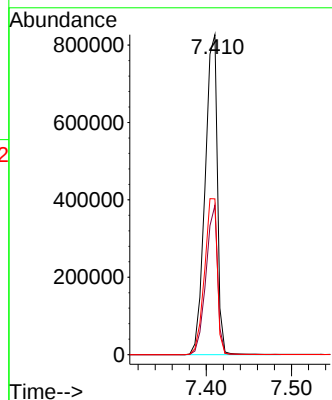
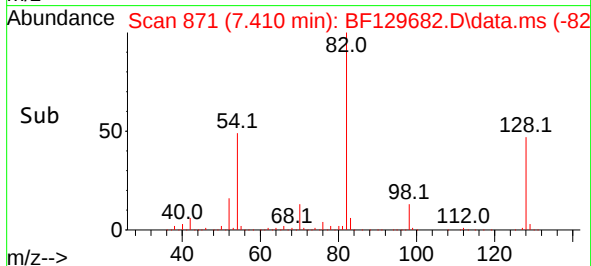
Instrument :
BNA_F
ClientSampleId :
RVE-208



Tgt Ion: 82 Resp: 827848
Ion Ratio Lower Upper
82 100
128 46.6 34.0 51.0
54 48.7 46.9 70.3

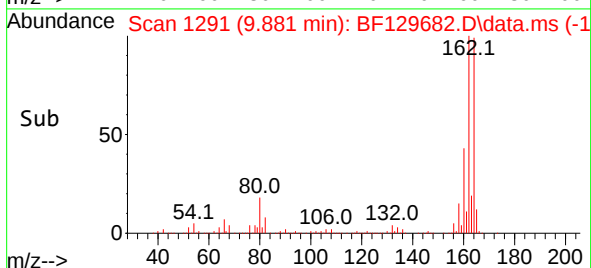
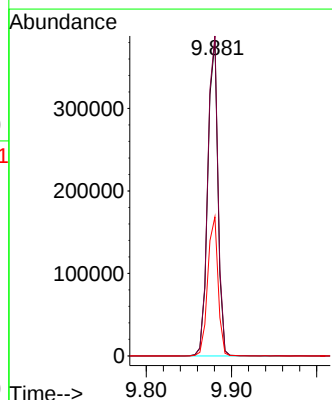
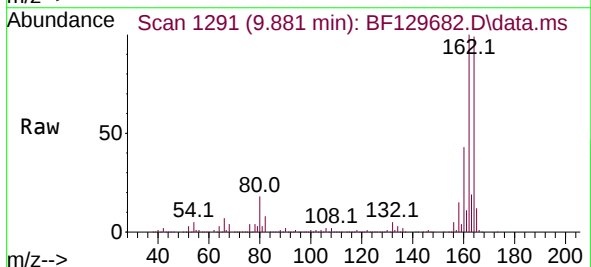
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.881 min Scan# 1291
Delta R.T. -0.012 min
Lab File: BF129682.D
Acq: 09 Aug 2022 23:59

Tgt Ion:164 Resp: 317551
Ion Ratio Lower Upper
164 100
162 101.3 79.5 119.3
160 44.0 34.2 51.4





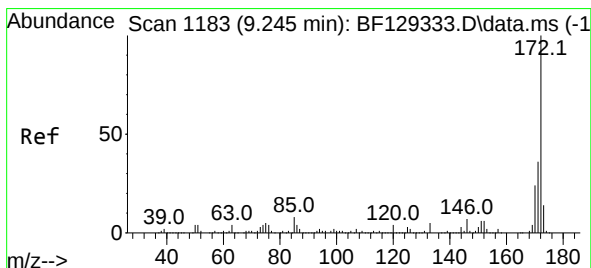
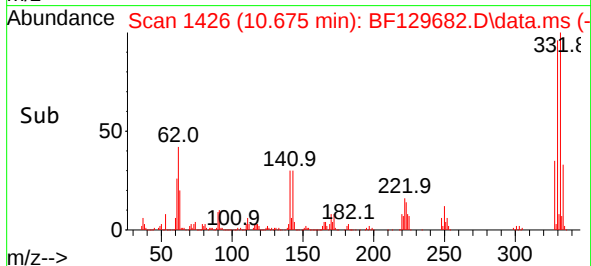
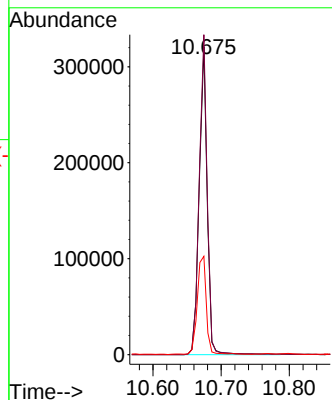
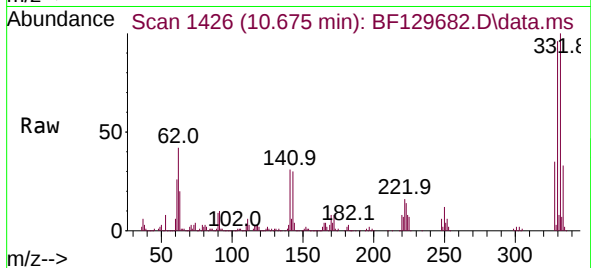
#42
2,4,6-Tribromophenol
Concen: 86.049 ng
RT: 10.675 min Scan# 1434
Delta R.T. -0.012 min
Lab File: BF129682.D
Acq: 09 Aug 2022 23:59

Instrument :
BNA_F
ClientSampleId :
RVE-208

Tgt Ion: 330 Resp: 262708
Ion Ratio Lower Upper
330 100
332 103.8 76.8 115.2
141 36.4 28.0 42.0

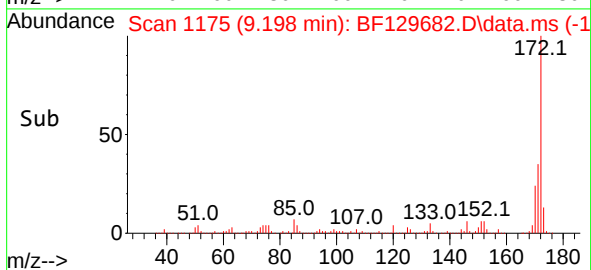
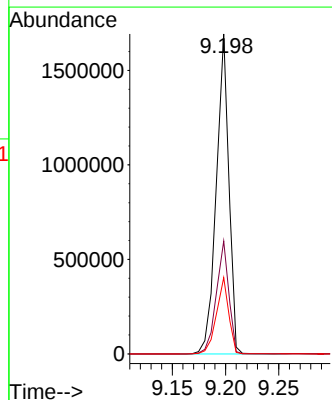
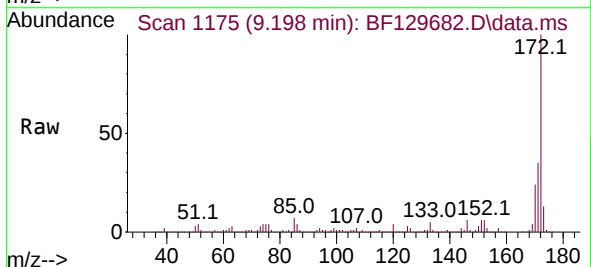
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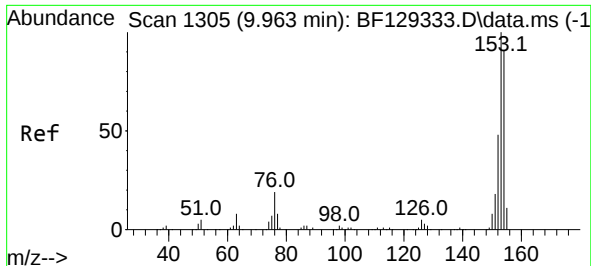
Reviewed By : Christian Giraldo 08/10/2022
Supervised By : Jagrut Upadhyay 08/10/2022



#45
2-Fluorobiphenyl
Concen: 67.621 ng
RT: 9.198 min Scan# 1175
Delta R.T. -0.012 min
Lab File: BF129682.D
Acq: 09 Aug 2022 23:59

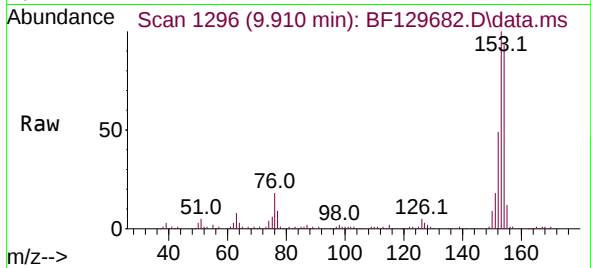
Tgt Ion: 172 Resp: 1388101
Ion Ratio Lower Upper
172 100
171 35.3 28.8 43.2
170 23.9 19.8 29.8





#52
Acenaphthene
Concen: 2.457 ng
RT: 9.910 min Scan# 1296
Delta R.T. -0.018 min
Lab File: BF129682.D
Acq: 09 Aug 2022 23:59

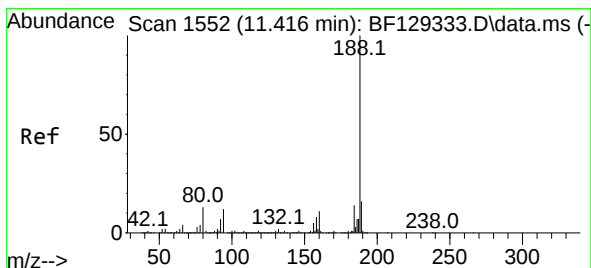
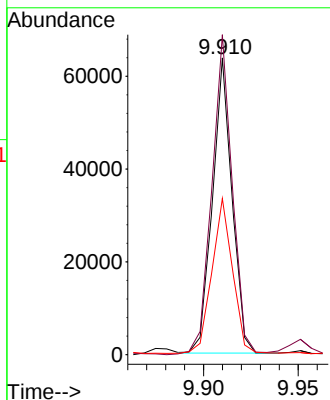
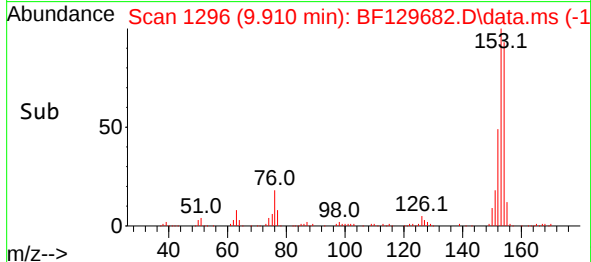
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RVE-208



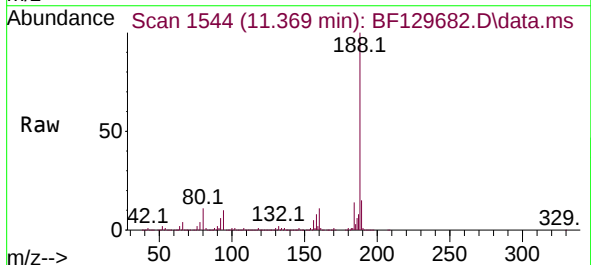
Tgt Ion:154 Resp: 45689
Ion Ratio Lower Upper
154 100
153 107.9 89.6 134.4
152 52.6 42.4 63.6

Manual Integrations
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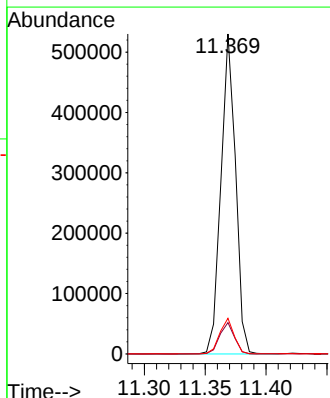
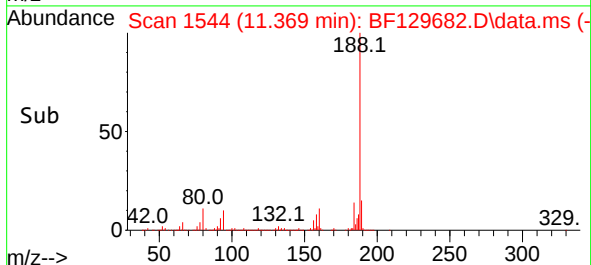
Reviewed By :Christian Giraldo 08/10/2022
Supervised By :Jagrut Upadhyay 08/10/2022

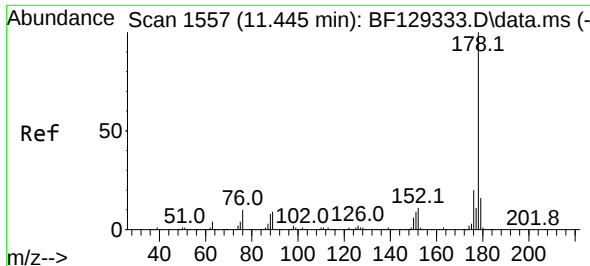


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.369 min Scan# 1544
Delta R.T. -0.012 min
Lab File: BF129682.D
Acq: 09 Aug 2022 23:59



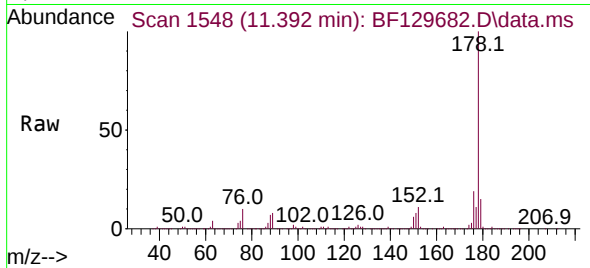
Tgt Ion:188 Resp: 442256
Ion Ratio Lower Upper
188 100
94 9.8 7.0 10.6
80 11.1 7.6 11.4





#71
Phenanthrene
Concen: 27.915 ng
RT: 11.392 min Scan# 11
Delta R.T. -0.018 min
Lab File: BF129682.D
Acq: 09 Aug 2022 23:59

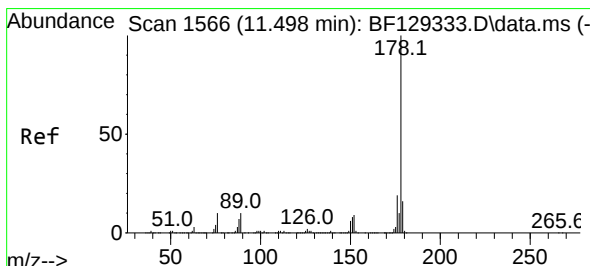
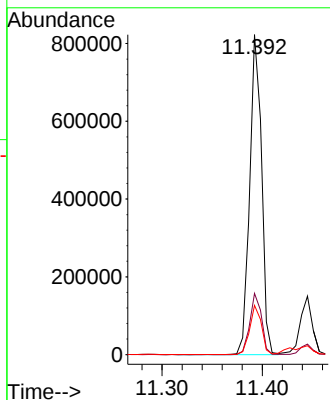
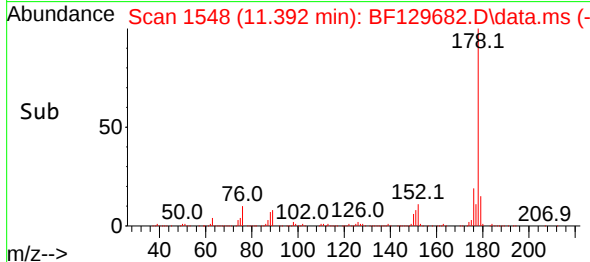
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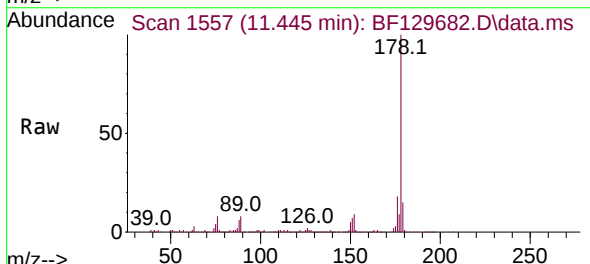
Tgt Ion:178 Resp: 673903
Ion Ratio Lower Upper
178 100
176 19.1 16.0 24.0
179 15.4 12.6 19.0

Manual Integrations
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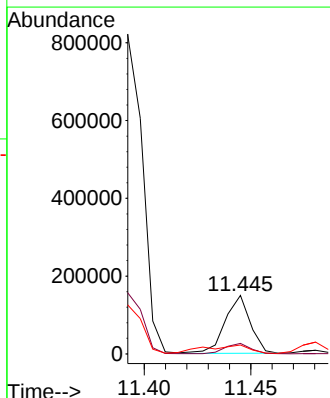
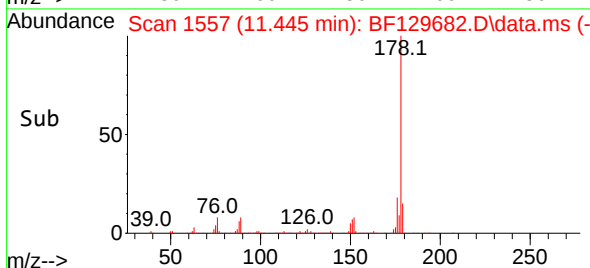
Reviewed By :Christian Giraldo 08/10/2022
Supervised By :Jagrut Upadhyay 08/10/2022

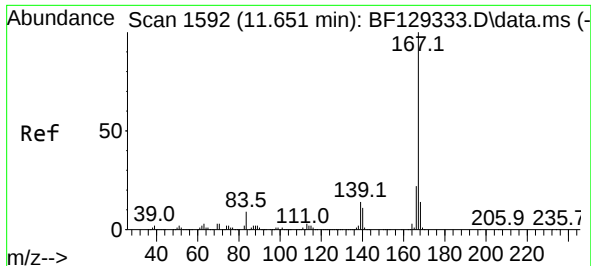


#72
Anthracene
Concen: 5.168 ng
RT: 11.445 min Scan# 1557
Delta R.T. -0.018 min
Lab File: BF129682.D
Acq: 09 Aug 2022 23:59



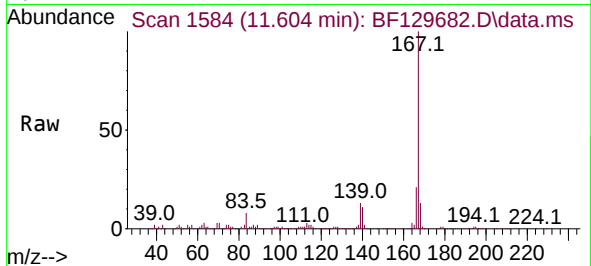
Tgt Ion:178 Resp: 122600
Ion Ratio Lower Upper
178 100
176 17.9 15.4 23.2
179 15.1 12.6 19.0





#73
 Carbazole
 Concen: 5.812 ng
 RT: 11.604 min Scan# 11
 Delta R.T. -0.012 min
 Lab File: BF129682.D
 Acq: 09 Aug 2022 23:59

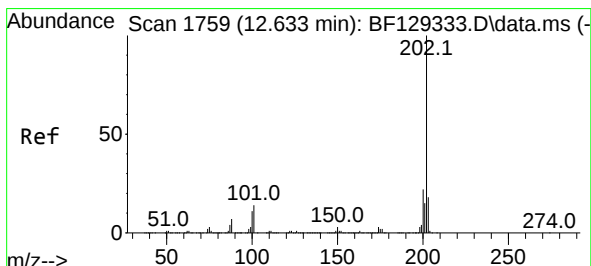
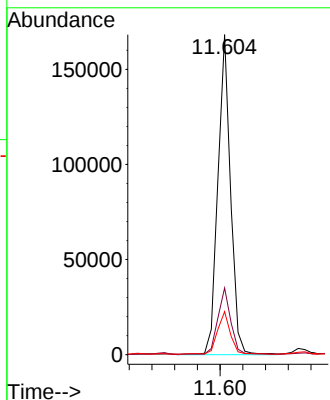
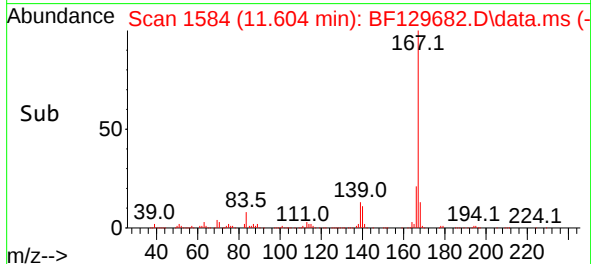
Instrument :
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Tgt Ion:167 Resp: 12980
 Ion Ratio Lower Upper
 167 100
 166 20.8 17.7 26.5
 139 13.4 11.2 16.8

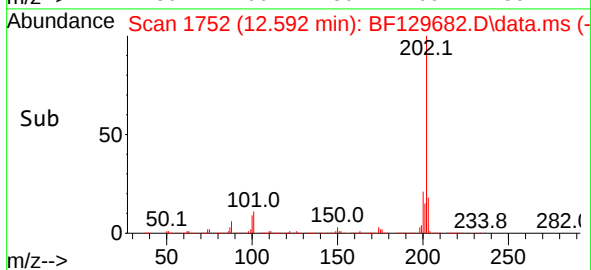
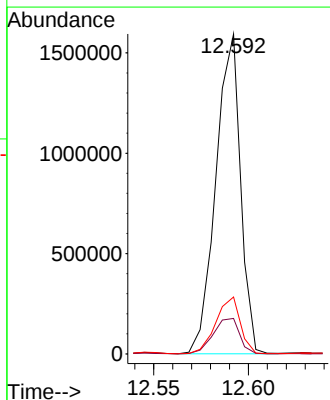
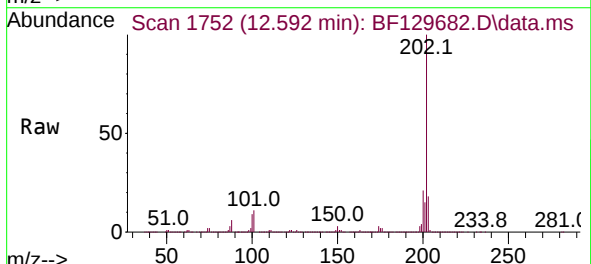
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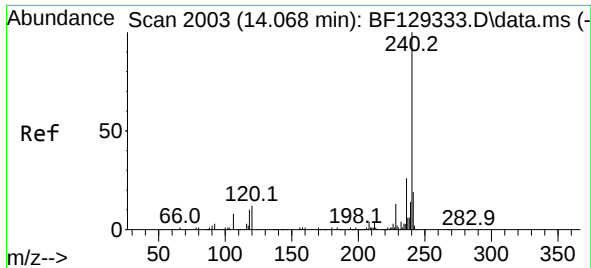
Reviewed By :Christian Giraldo 08/10/2022
 Supervised By :Jagrut Upadhyay 08/10/2022



#75
 Fluoranthene
 Concen: 58.904 ng
 RT: 12.592 min Scan# 1752
 Delta R.T. -0.006 min
 Lab File: BF129682.D
 Acq: 09 Aug 2022 23:59

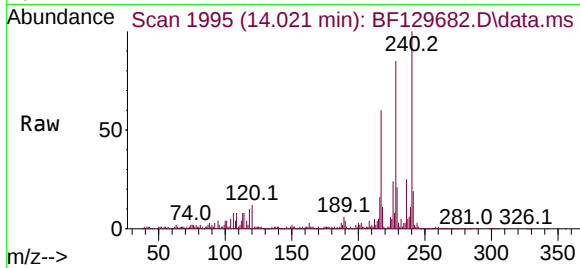
Tgt Ion:202 Resp: 1440840
 Ion Ratio Lower Upper
 202 100
 101 11.1 0.0 31.4
 203 17.8 0.0 38.0





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.021 min Scan# 1995
Delta R.T. -0.006 min
Lab File: BF129682.D
Acq: 09 Aug 2022 23:59

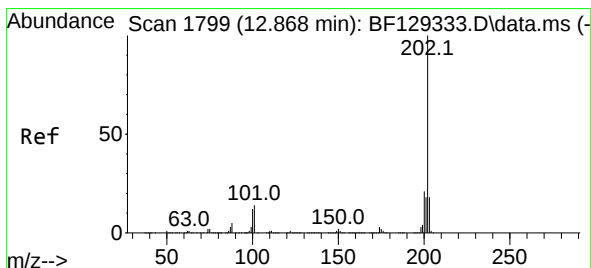
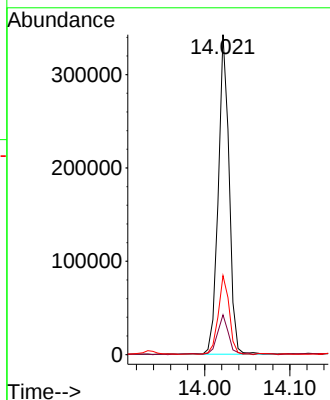
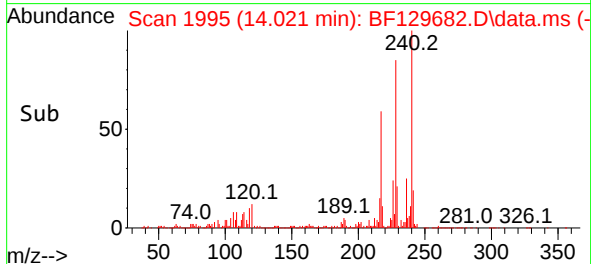
Instrument :
BNA_F
ClientSampleId :
RVE-208



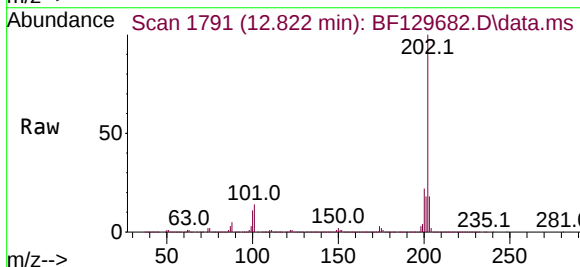
Tgt Ion:240 Resp: 302518
Ion Ratio Lower Upper
240 100
120 12.4 8.9 13.3
236 24.7 20.8 31.2

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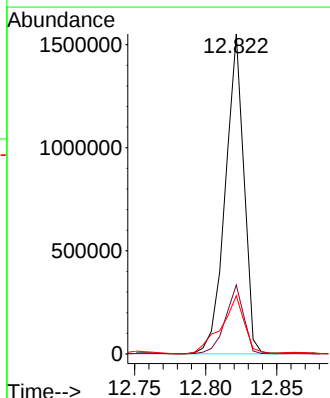
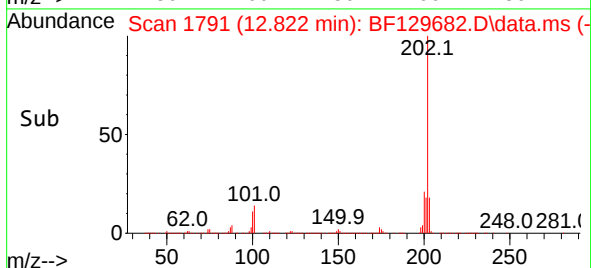
Reviewed By :Christian Giraldo 08/10/2022
Supervised By :Jagrut Upadhyay 08/10/2022

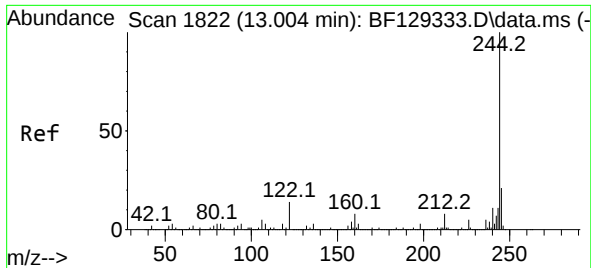


#78
Pyrene
Concen: 55.649 ng
RT: 12.822 min Scan# 1791
Delta R.T. -0.006 min
Lab File: BF129682.D
Acq: 09 Aug 2022 23:59



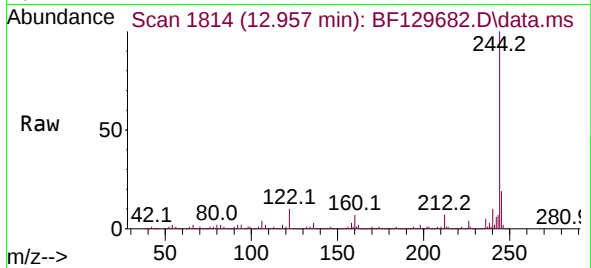
Tgt Ion:202 Resp: 1407775
Ion Ratio Lower Upper
202 100
200 21.5 17.7 26.5
203 18.2 14.6 21.8





#79
 Terphenyl-d14
 Concen: 62.722 ng
 RT: 12.957 min Scan# 1822
 Delta R.T. -0.012 min
 Lab File: BF129682.D
 Acq: 09 Aug 2022 23:59

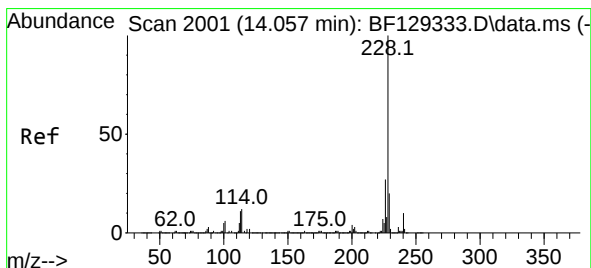
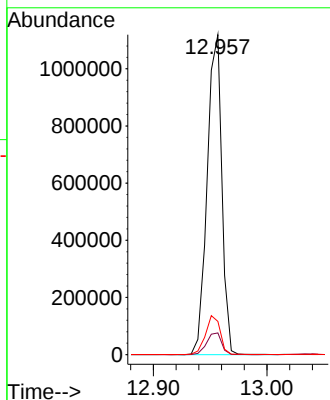
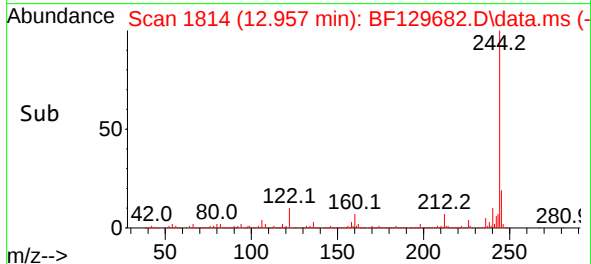
Instrument :
 BNA_F
 ClientSampleId :
 RVE-208



Tgt Ion:244 Resp: 100577
 Ion Ratio Lower Upper
 244 100
 212 6.8 6.1 9.1
 122 10.4 8.8 13.2

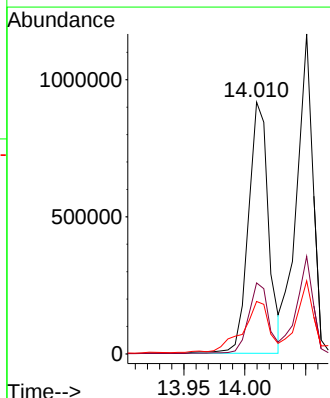
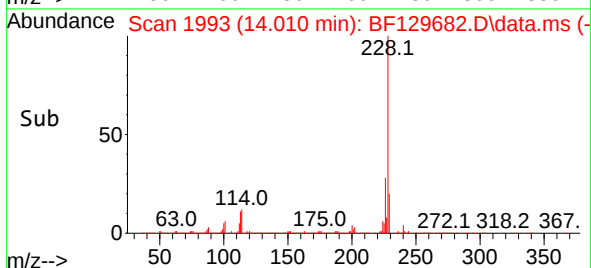
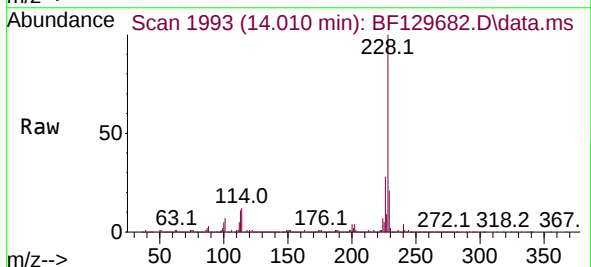
Manual Integrations
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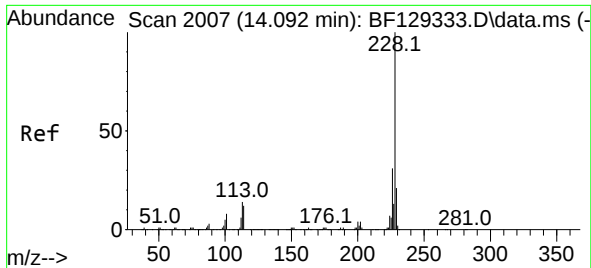
Reviewed By :Christian Giraldo 08/10/2022
 Supervised By :Jagrut Upadhyay 08/10/2022



#81
 Benzo(a)anthracene
 Concen: 50.881 ng
 RT: 14.010 min Scan# 1993
 Delta R.T. -0.006 min
 Lab File: BF129682.D
 Acq: 09 Aug 2022 23:59

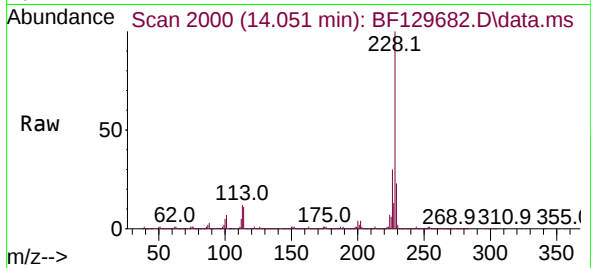
Tgt Ion:228 Resp: 1051458
 Ion Ratio Lower Upper
 228 100
 226 28.2 22.1 33.1
 229 20.8 15.8 23.8





#83
Chrysene
Concen: 56.410 ng
RT: 14.051 min Scan# 2007
Delta R.T. -0.006 min
Lab File: BF129682.D
Acq: 09 Aug 2022 23:59

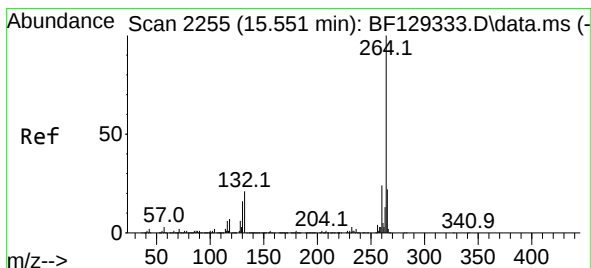
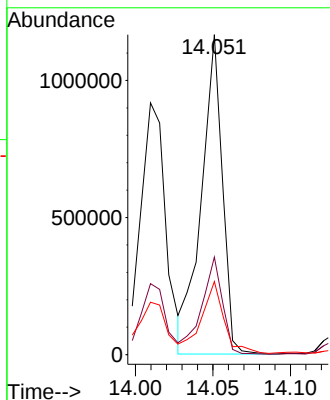
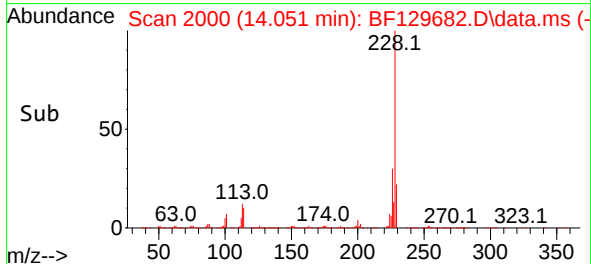
Instrument :
BNA_F
ClientSampleId :
RVE-208



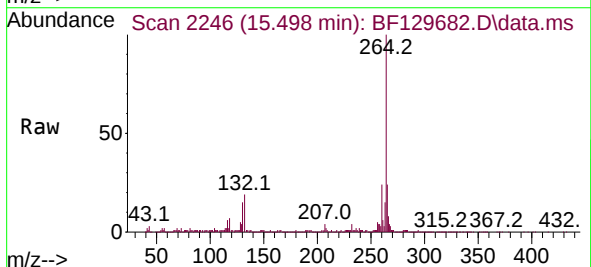
Tgt Ion:228 Resp: 1098638
Ion Ratio Lower Upper
228 100
226 30.5 24.3 36.5
229 22.8 15.9 23.9

Manual Integrations
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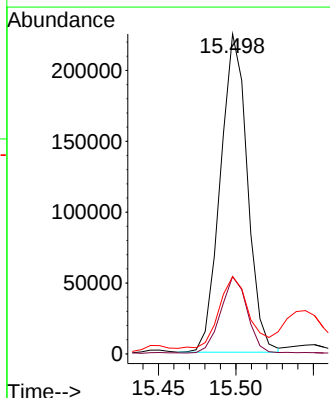
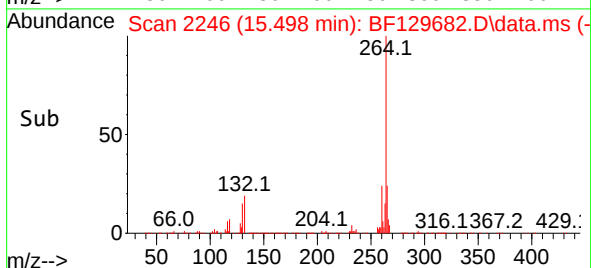
Reviewed By :Christian Giraldo 08/10/2022
Supervised By :Jagrut Upadhyay 08/10/2022

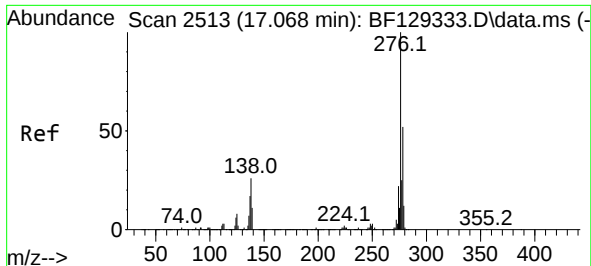


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.498 min Scan# 2246
Delta R.T. -0.006 min
Lab File: BF129682.D
Acq: 09 Aug 2022 23:59



Tgt Ion:264 Resp: 272211
Ion Ratio Lower Upper
264 100
260 24.2 18.4 27.6
265 24.1 17.2 25.8





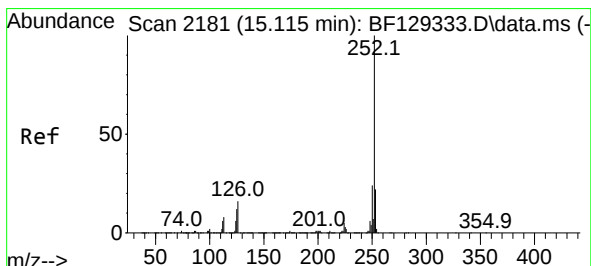
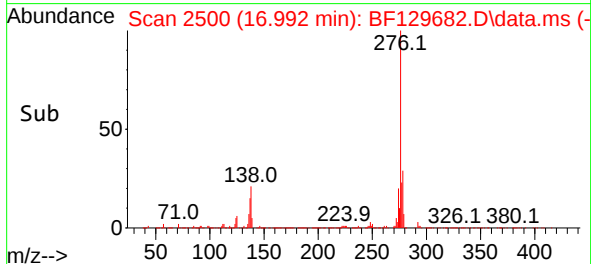
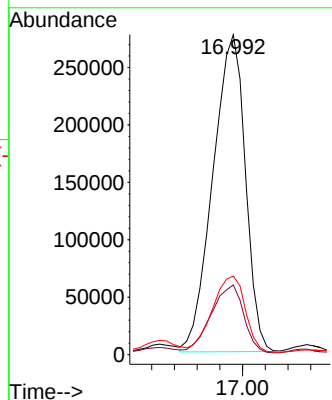
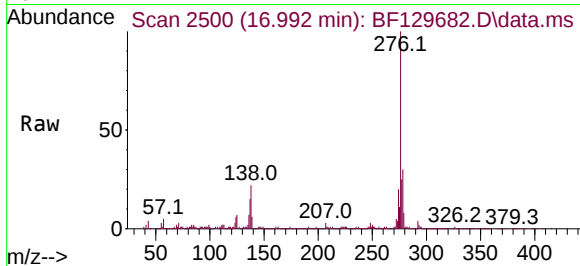
#87
Indeno(1,2,3-cd)pyrene
Concen: 29.905 ng
RT: 16.992 min Scan# 2174
Delta R.T. -0.006 min
Lab File: BF129682.D
Acq: 09 Aug 2022 23:59

Instrument :
BNA_F
ClientSampleId :
RVE-208

Tgt Ion:276 Resp: 548186
Ion Ratio Lower Upper
276 100
138 21.4 21.1 31.7
277 24.4 20.3 30.5

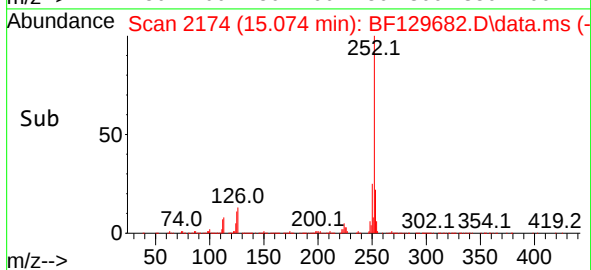
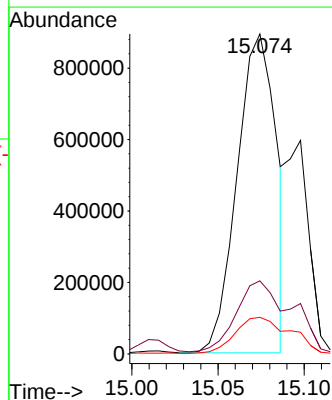
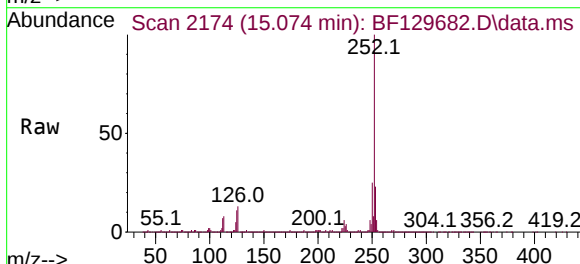
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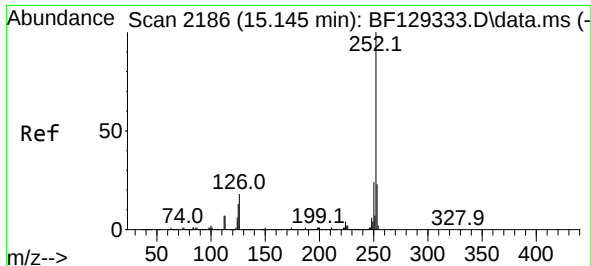
Reviewed By :Christian Giraldo 08/10/2022
Supervised By :Jagrut Upadhyay 08/10/2022



#88
Benzo(b)fluoranthene
Concen: 78.157 ng m
RT: 15.074 min Scan# 2174
Delta R.T. 0.006 min
Lab File: BF129682.D
Acq: 09 Aug 2022 23:59

Tgt Ion:252 Resp: 1411257
Ion Ratio Lower Upper
252 100
253 22.8 17.7 26.5
125 11.4 8.0 12.0





#89

Benzo(k)fluoranthene

Concen: 29.517 ng m

RT: 15.098 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF129682.D

Acq: 09 Aug 2022 23:59

Instrument :

BNA_F

ClientSampleId :

RVE-208

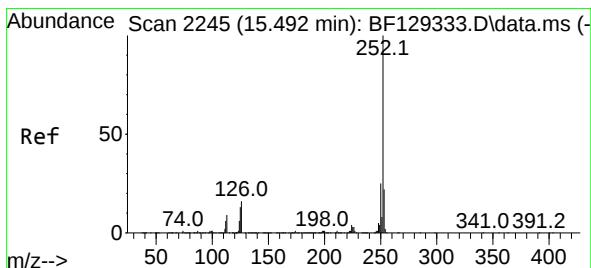
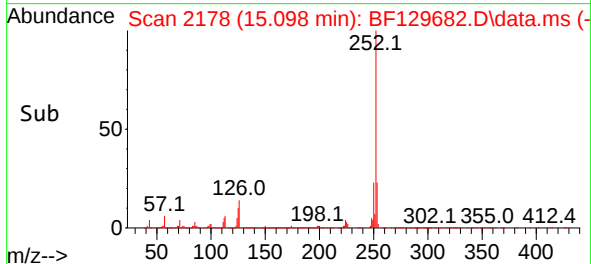
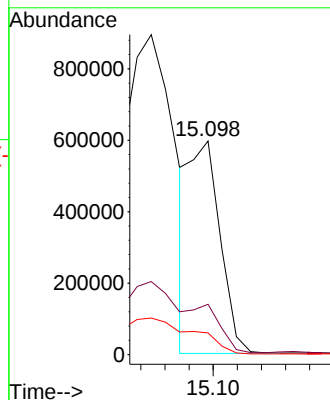
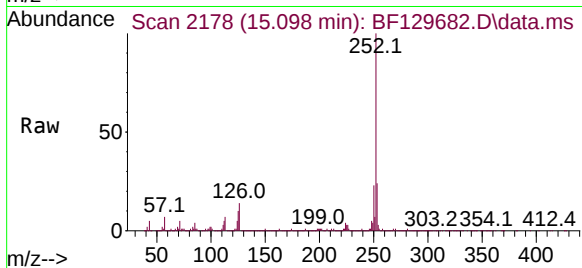
Tgt Ion:	252	Resp:	522292
Ion Ratio	Lower	Upper	
252	100		
253	23.6	17.8	26.6
125	10.2	8.3	12.5

Manual Integrations

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Reviewed By :Christian Giraldo 08/10/2022

Supervised By :Jagrut Upadhyay 08/10/2022



#90

Benzo(a)pyrene

Concen: 68.457 ng

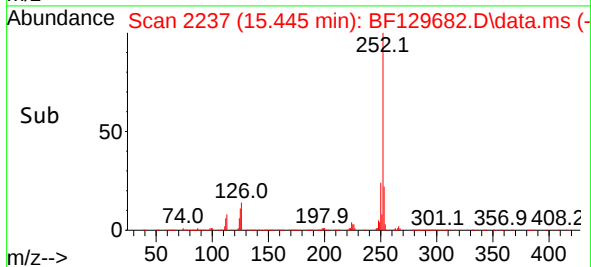
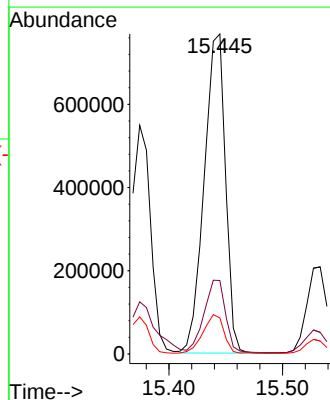
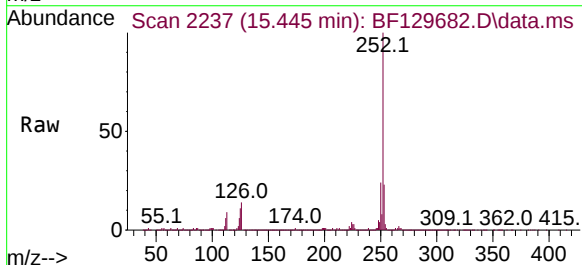
RT: 15.445 min Scan# 2237

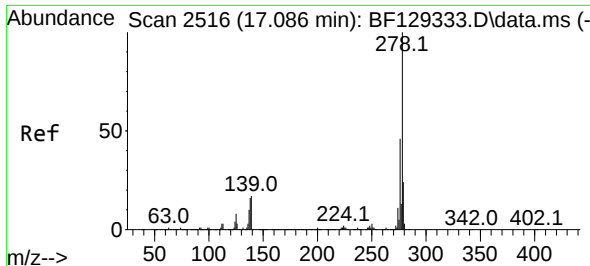
Delta R.T. 0.006 min

Lab File: BF129682.D

Acq: 09 Aug 2022 23:59

Tgt Ion:	252	Resp:	1003435
Ion Ratio	Lower	Upper	
252	100		
253	22.9	17.0	25.6
125	11.3	8.8	13.2





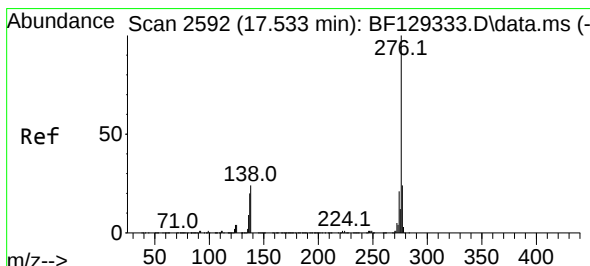
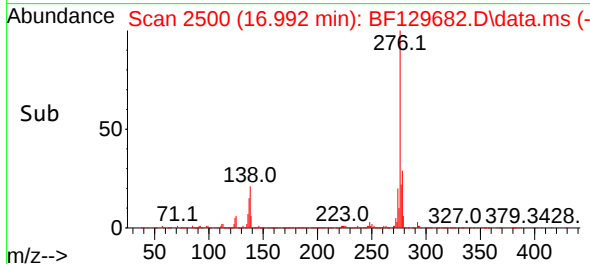
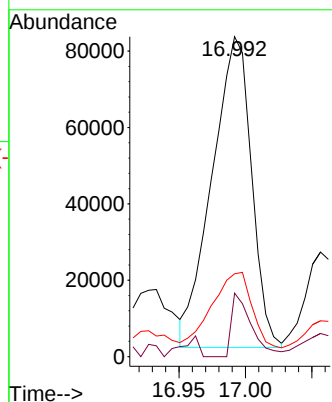
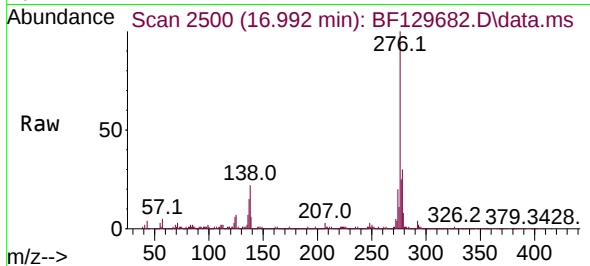
#91
Dibenzo(a,h)anthracene
Concen: 11.257 ng m
RT: 16.992 min Scan# 21
Delta R.T. -0.018 min
Lab File: BF129682.D
Acq: 09 Aug 2022 23:59

Instrument :
BNA_F
ClientSampleId :
RVE-208

Tgt Ion:278 Resp: 16795
Ion Ratio Lower Upper
278 100
139 19.8 12.8 19.2
279 25.9 18.6 28.0

Manual Integrations
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Reviewed By :Christian Giraldo 08/10/2022
Supervised By :Jagrut Upadhyay 08/10/2022



#92
Benzo(g,h,i)perylene
Concen: 33.746 ng
RT: 17.445 min Scan# 2577
Delta R.T. -0.006 min
Lab File: BF129682.D
Acq: 09 Aug 2022 23:59

Tgt Ion:276 Resp: 514469
Ion Ratio Lower Upper
276 100
277 24.4 19.1 28.7
138 21.9 18.0 27.0

