

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080822\
 Data File : BF129650.D
 Acq On : 09 Aug 2022 01:37
 Operator : CG\JU
 Sample : N3960-13RE
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RVE-160RE

Manual Integrations
 APPROVED

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

Quant Time: Aug 09 02:33:28 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 05 16:27:34 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.839	152	138720	20.000	ng	-0.01
21) Naphthalene-d8	8.122	136	518268	20.000	ng	-0.01
39) Acenaphthene-d10	9.880	164	236256	20.000	ng	-0.01
64) Phenanthrene-d10	11.369	188	327642	20.000	ng	-0.01
76) Chrysene-d12	14.015	240	296675	20.000	ng	-0.01
86) Perylene-d12	15.492	264	239482	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.475	112	851885	100.037	ng	0.00
7) Phenol-d6	6.492	99	1118881	104.532	ng	-0.01
23) Nitrobenzene-d5	7.404	82	666330	70.184	ng	-0.02
42) 2,4,6-Tribromophenol	10.675	330	226402	99.674	ng	-0.01
45) 2-Fluorobiphenyl	9.198	172	1220403	79.909	ng	-0.01
79) Terphenyl-d14	12.957	244	1062760	67.582	ng	-0.01
Target Compounds						Qvalue
49) Acenaphthylene	9.739	152	64954	3.067	ng	98
71) Phenanthrene	11.392	178	109537	6.124	ng	98
75) Fluoranthene	12.586	202	148218	8.179	ng	99
78) Pyrene	12.816	202	266279	10.733	ng	98
81) Benzo(a)anthracene	14.004	228	123769m	6.107	ng	
83) Chrysene	14.039	228	140137	7.337	ng	98
88) Benzo(b)fluoranthene	15.062	252	126050m	7.935	ng	
90) Benzo(a)pyrene	15.427	252	95630	7.416	ng	# 96
92) Benzo(g,h,i)perylene	17.427	276	58890	4.391	ng	97

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

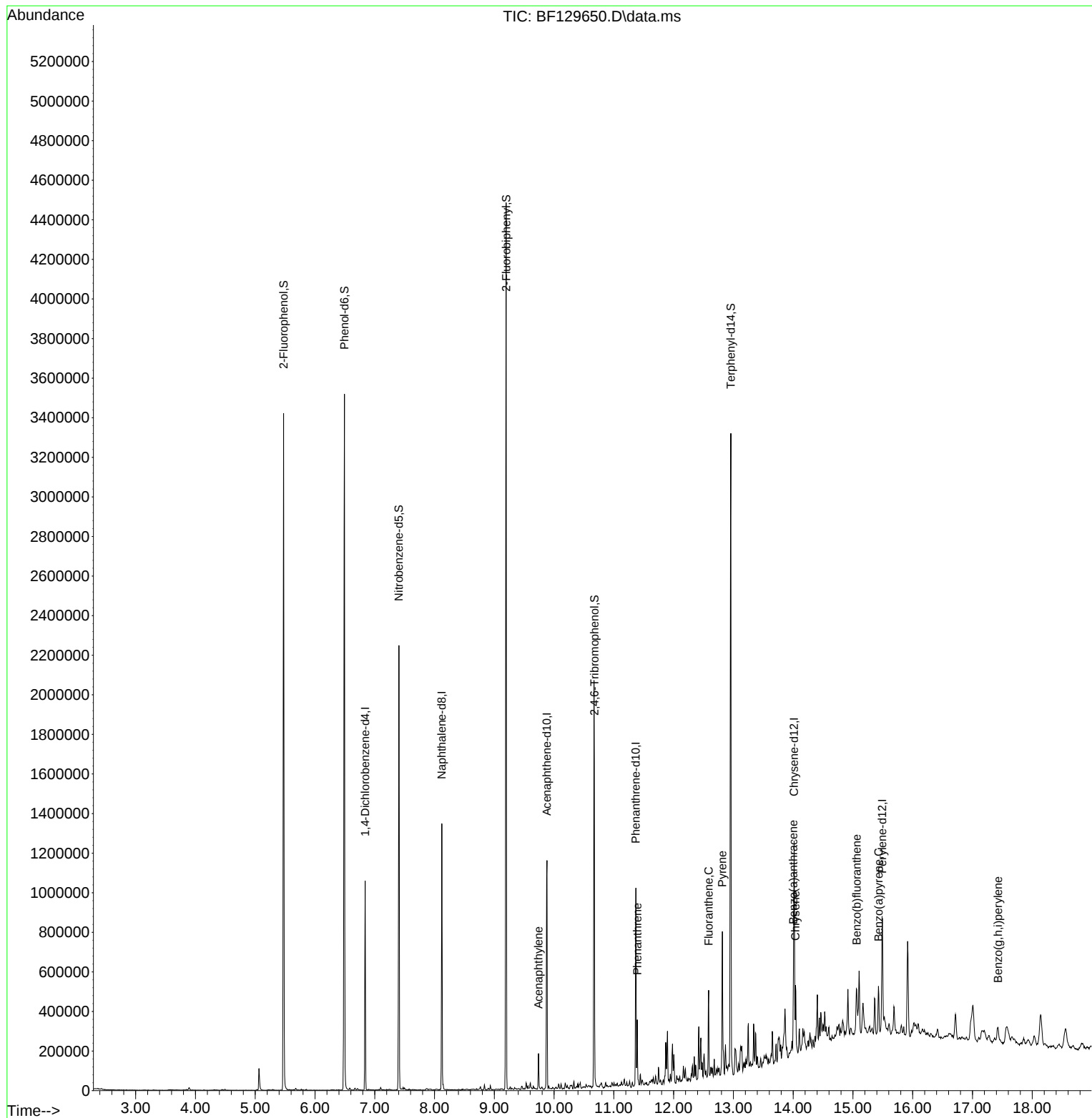
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080822\
Data File : BF129650.D
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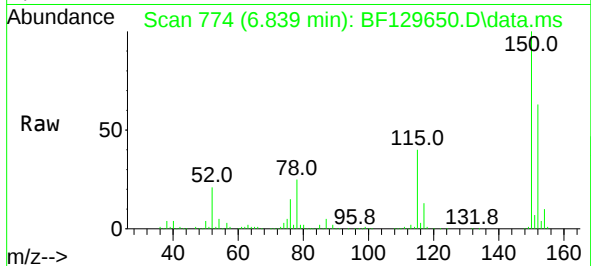
Reviewed By : Christian Giraldo 08/09/2022
Supervised By : Jagrut Upadhyay 08/09/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.839 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF129650.D
Acq: 09 Aug 2022 01:37

Instrument :
BNA_F
ClientSampleId :
RVE-160RE

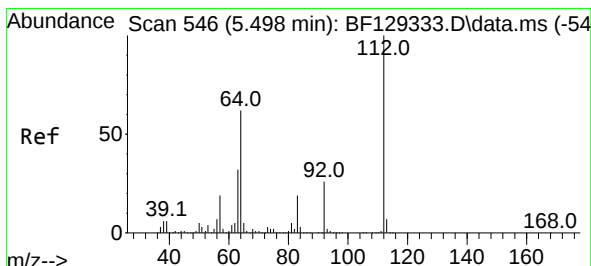
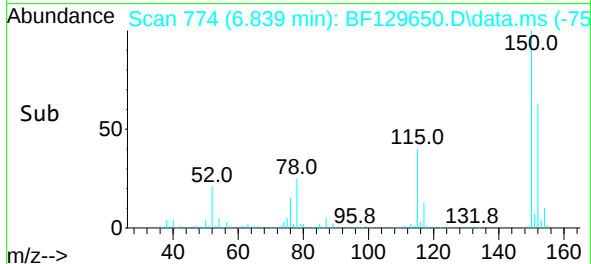
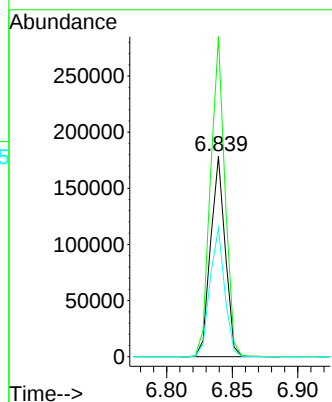


Tgt Ion:152 Resp: 138720
Ion Ratio Lower Upper
152 100
150 159.7 123.7 185.5
115 64.3 49.9 74.9

Manual Integrations
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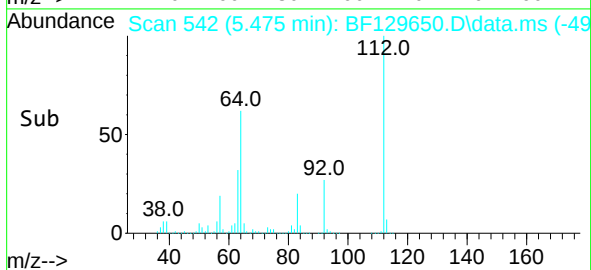
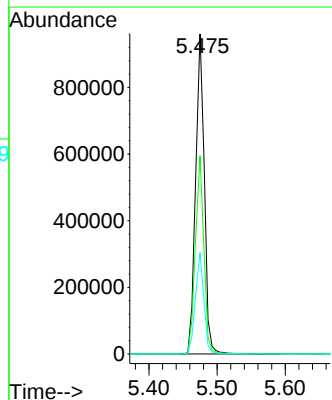
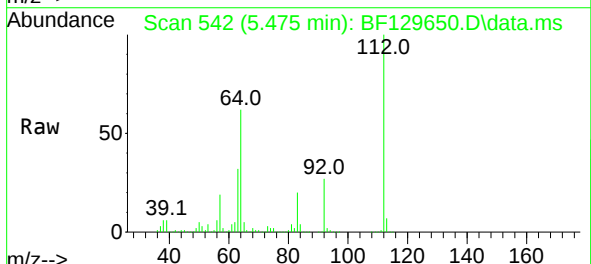
Reviewed By :Christian
Giraldo
08/09/2022

Supervised By :Jagrut
Upadhyay
08/09/2022



#5
2-Fluorophenol
Concen: 100.037 ng
RT: 5.475 min Scan# 542
Delta R.T. -0.006 min
Lab File: BF129650.D
Acq: 09 Aug 2022 01:37

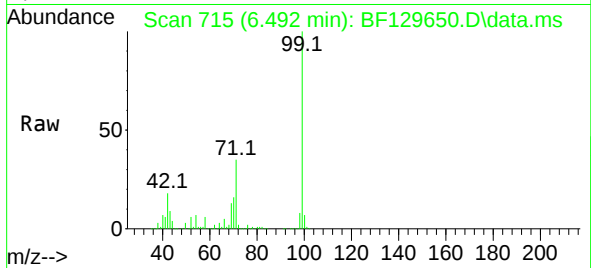
Tgt Ion:112 Resp: 851885
Ion Ratio Lower Upper
112 100
64 61.9 53.3 79.9
63 31.6 28.0 42.0





#7
Phenol-d6
Concen: 104.532 ng
RT: 6.492 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF129650.D
Acq: 09 Aug 2022 01:37

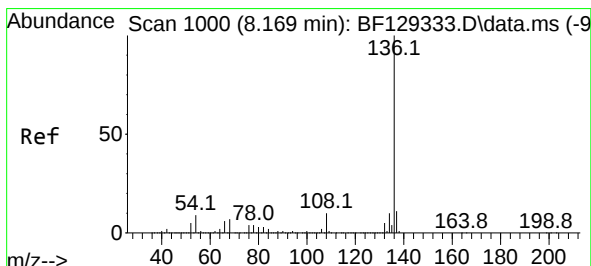
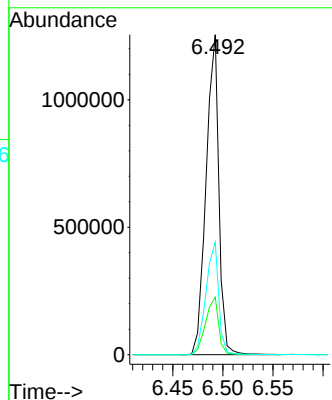
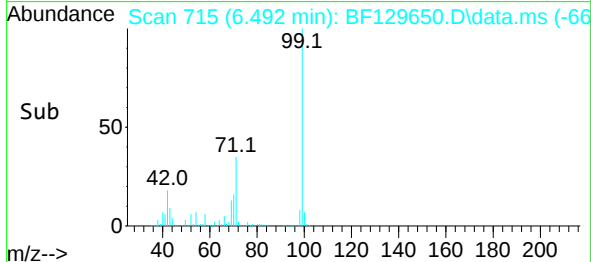
Instrument :
BNA_F
ClientSampleId :
RVE-160RE



Tgt Ion: 99 Resp: 111888
Ion Ratio Lower Upper
99 100
42 18.0 17.3 25.9
71 35.1 28.9 43.3

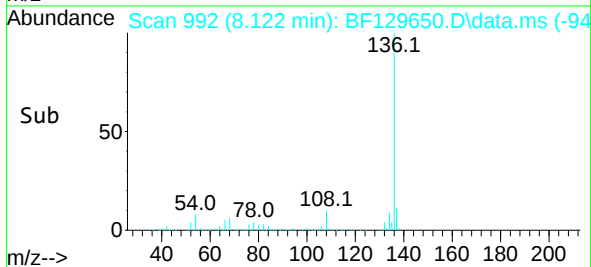
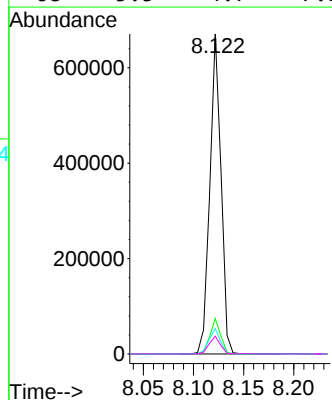
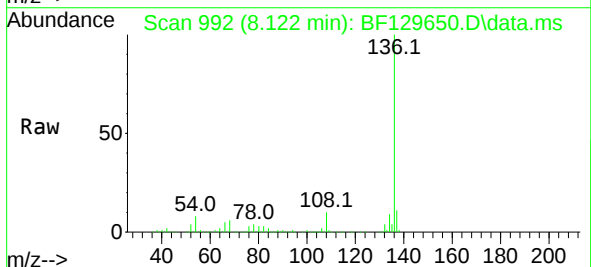
Manual Integrations
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Reviewed By :Christian Giraldo 08/09/2022
Supervised By :Jagrut Upadhyay 08/09/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.122 min Scan# 992
Delta R.T. -0.012 min
Lab File: BF129650.D
Acq: 09 Aug 2022 01:37

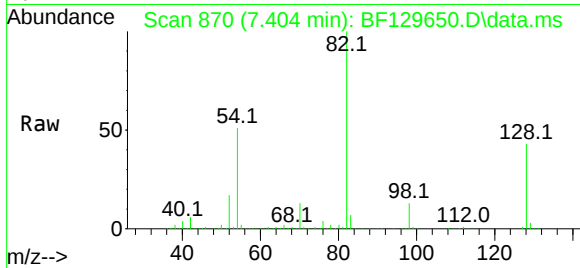
Tgt Ion:136 Resp: 518268
Ion Ratio Lower Upper
136 100
137 11.1 8.8 13.2
54 7.9 7.5 11.3
68 5.5 4.7 7.1





#23
Nitrobenzene-d5
Concen: 70.184 ng
RT: 7.404 min Scan# 81
Delta R.T. -0.018 min
Lab File: BF129650.D
Acq: 09 Aug 2022 01:37

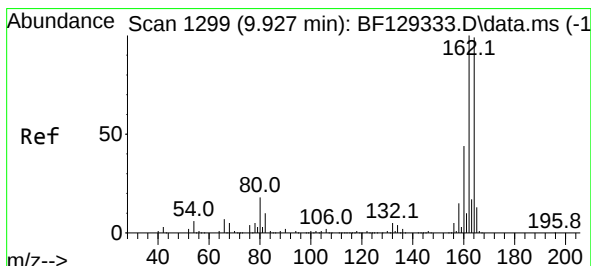
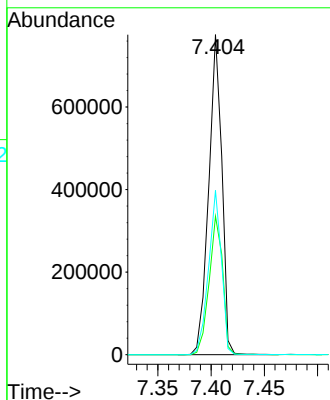
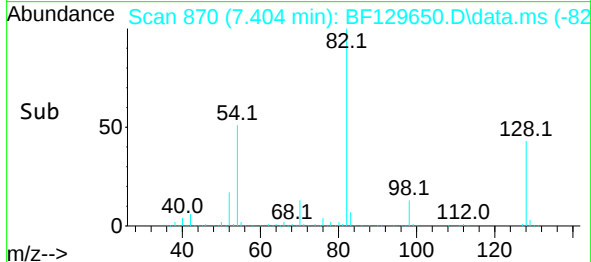
Instrument :
BNA_F
ClientSampleId :
RVE-160RE



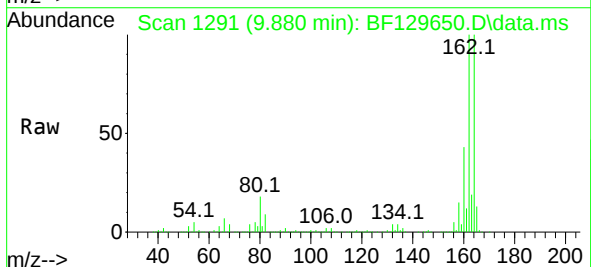
Tgt Ion: 82 Resp: 666330
Ion Ratio Lower Upper
82 100
128 43.2 34.0 51.0
54 51.3 46.9 70.3

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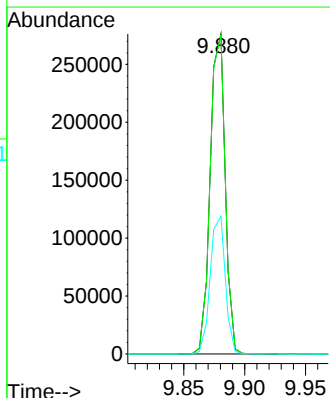
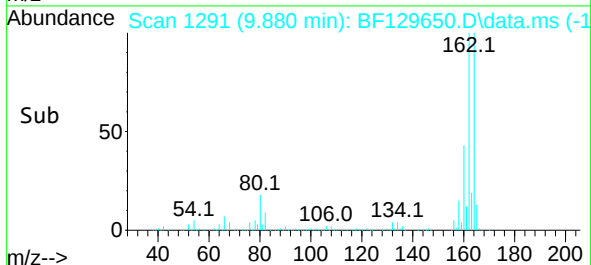
Reviewed By :Christian Giraldo 08/09/2022
Supervised By :Jagrut Upadhyay 08/09/2022

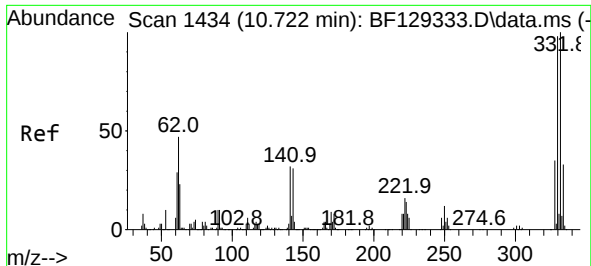


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.880 min Scan# 1291
Delta R.T. -0.012 min
Lab File: BF129650.D
Acq: 09 Aug 2022 01:37



Tgt Ion:164 Resp: 236256
Ion Ratio Lower Upper
164 100
162 99.8 79.5 119.3
160 43.1 34.2 51.4





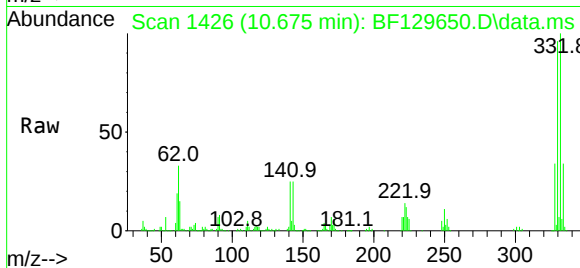
#42
2,4,6-Tribromophenol
Concen: 99.674 ng
RT: 10.675 min Scan# 1434
Delta R.T. -0.012 min
Lab File: BF129650.D
Acq: 09 Aug 2022 01:37

Instrument :

BNA_F

ClientSampleId :

RVE-160RE

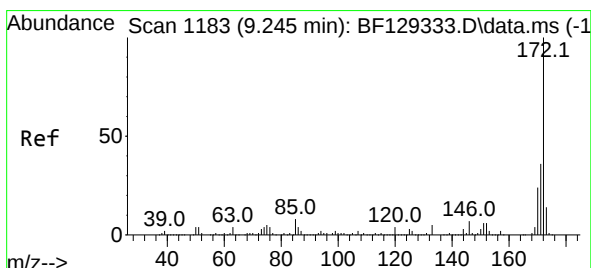
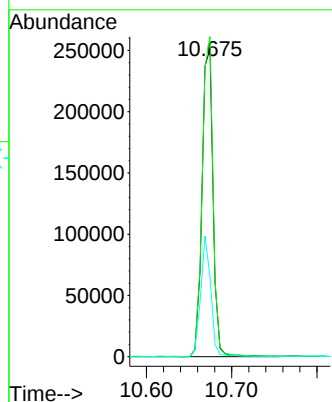
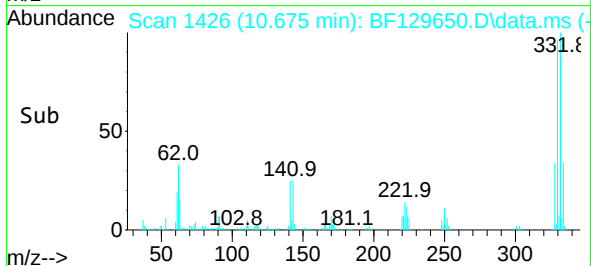


Tgt Ion:330 Resp: 226400
Ion Ratio Lower Upper
330 100
332 102.1 76.8 115.2
141 35.6 28.0 42.0

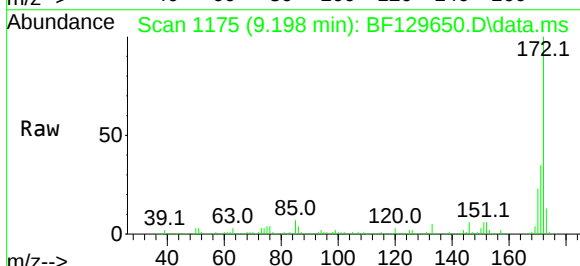
Manual Integrations

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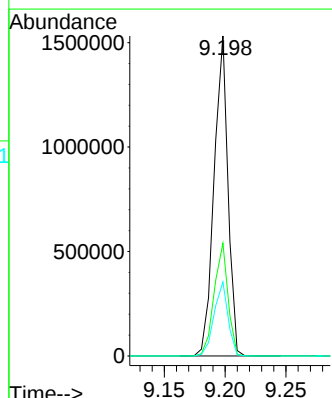
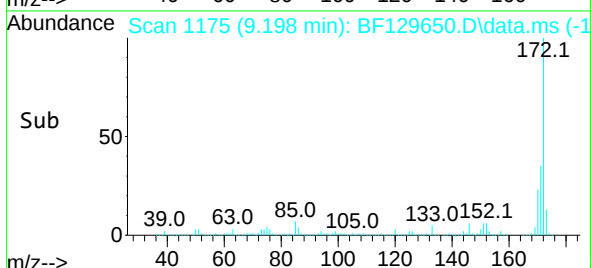
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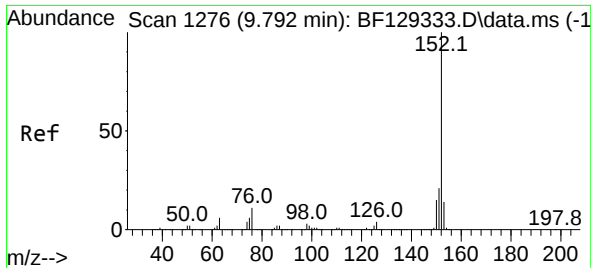


#45
2-Fluorobiphenyl
Concen: 79.909 ng
RT: 9.198 min Scan# 1175
Delta R.T. -0.012 min
Lab File: BF129650.D
Acq: 09 Aug 2022 01:37



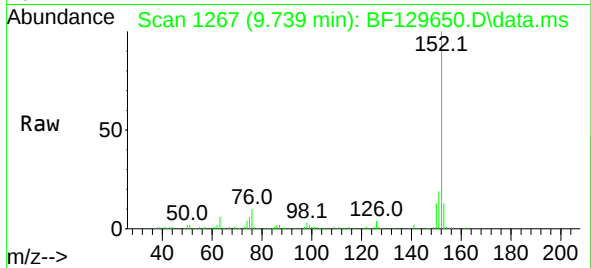
Tgt Ion:172 Resp: 1220403
Ion Ratio Lower Upper
172 100
171 35.2 28.8 43.2
170 23.1 19.8 29.8





#49
Acenaphthylene
Concen: 3.067 ng
RT: 9.739 min Scan# 11
Delta R.T. -0.018 min
Lab File: BF129650.D
Acq: 09 Aug 2022 01:37

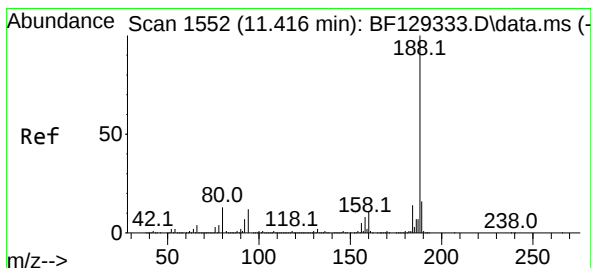
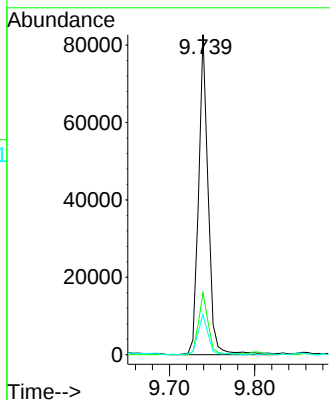
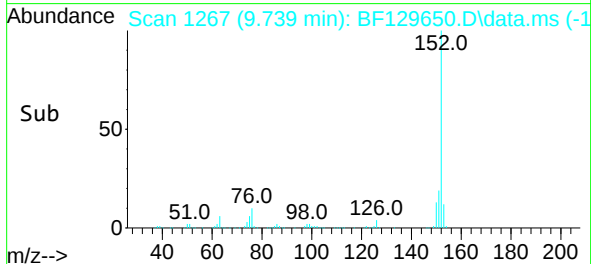
Instrument :
BNA_F
ClientSampleId :
RVE-160RE



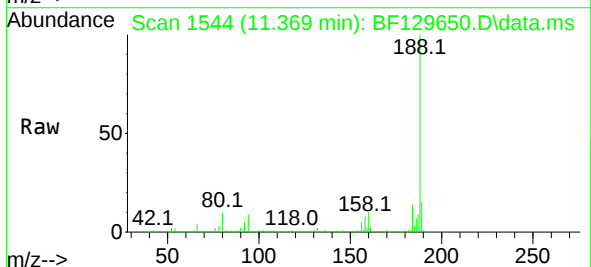
Tgt Ion:152 Resp: 64954
Ion Ratio Lower Upper
152 100
151 19.3 16.2 24.4
153 12.5 10.7 16.1

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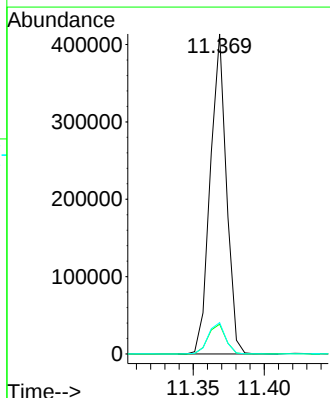
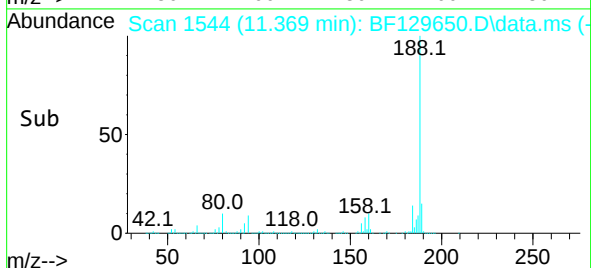
Reviewed By :Christian Giraldo 08/09/2022
Supervised By :Jagrut Upadhyay 08/09/2022

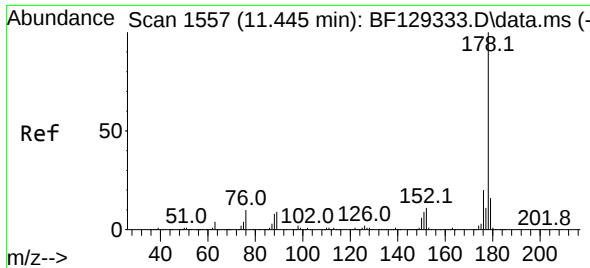


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.369 min Scan# 1544
Delta R.T. -0.012 min
Lab File: BF129650.D
Acq: 09 Aug 2022 01:37



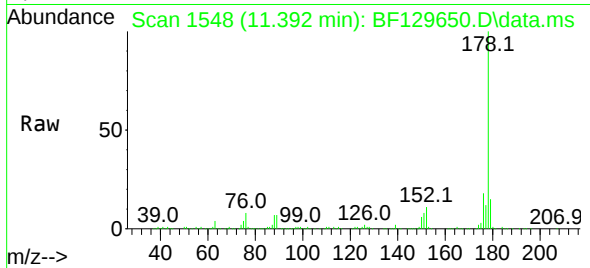
Tgt Ion:188 Resp: 327642
Ion Ratio Lower Upper
188 100
94 9.3 7.0 10.6
80 9.8 7.6 11.4





#71
Phenanthrene
Concen: 6.124 ng
RT: 11.392 min Scan# 11392
Delta R.T. -0.018 min
Lab File: BF129650.D
Acq: 09 Aug 2022 01:37

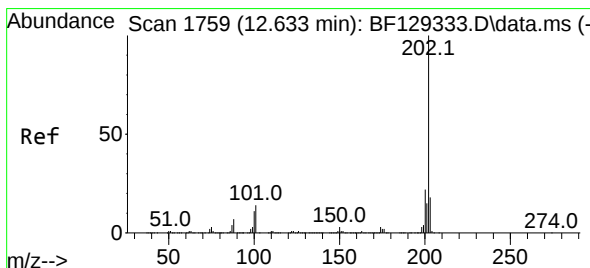
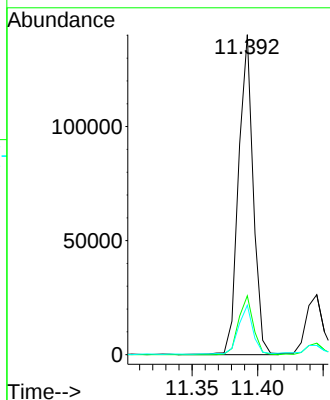
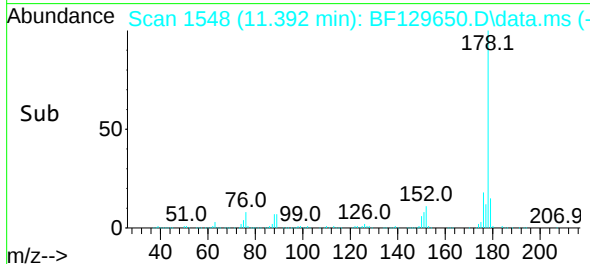
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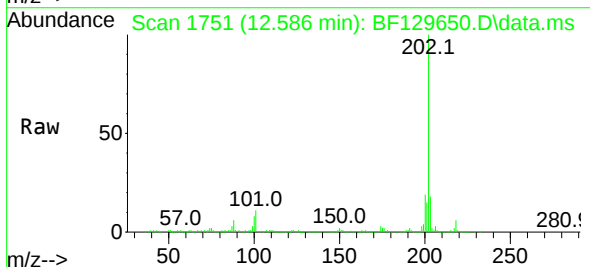
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Ion Ratio Lower Upper
178 100
176 18.4 16.0 24.0
179 15.5 12.6 19.0

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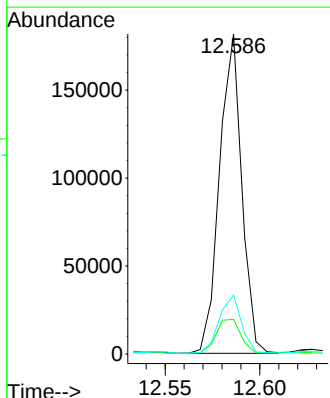
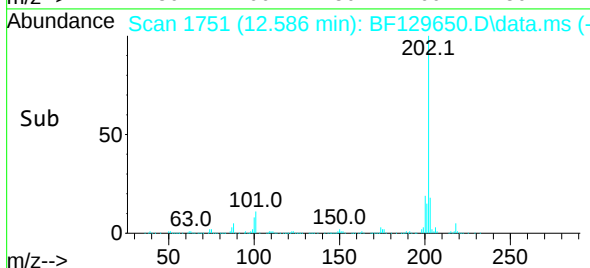
Reviewed By :Christian Giraldo 08/09/2022
Supervised By :Jagrut Upadhyay 08/09/2022

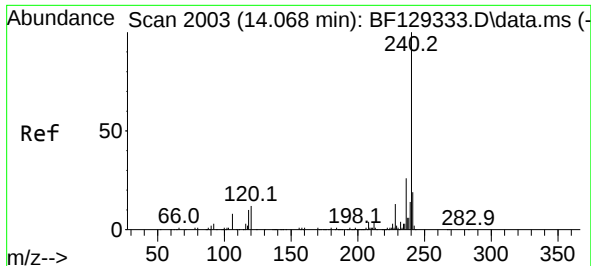


#75
Fluoranthene
Concen: 8.179 ng
RT: 12.586 min Scan# 1751
Delta R.T. -0.012 min
Lab File: BF129650.D
Acq: 09 Aug 2022 01:37



Tgt Ion:202 Resp: 148218
Ion Ratio Lower Upper
202 100
101 10.8 0.0 31.4
203 18.4 0.0 38.0





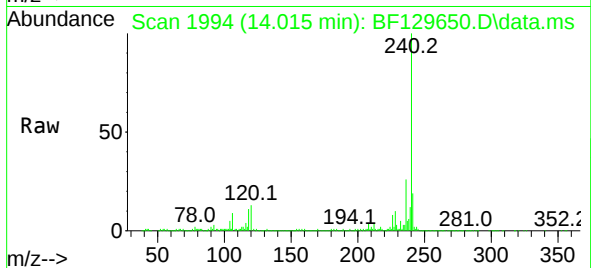
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.015 min Scan# 1994
Delta R.T. -0.012 min
Lab File: BF129650.D
Acq: 09 Aug 2022 01:37

Instrument :

BNA_F

ClientSampleId :

RVE-160RE

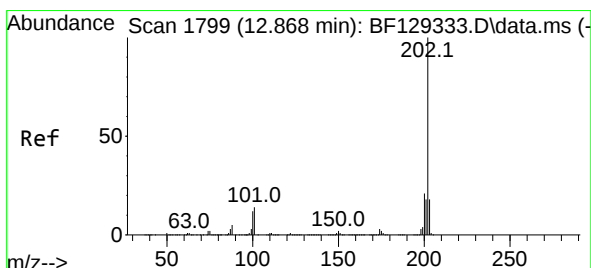
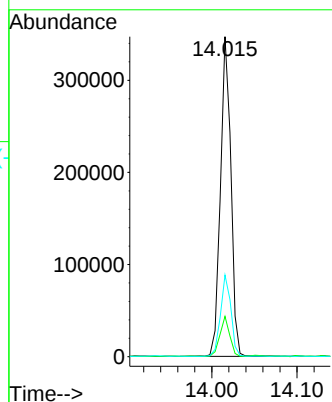
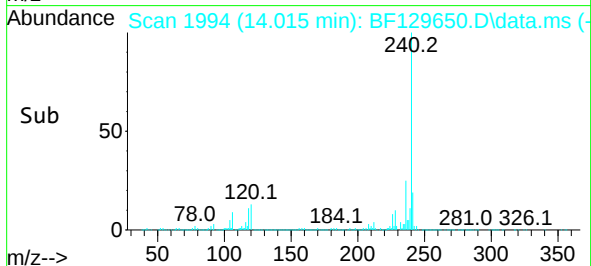


Tgt Ion:240 Resp: 296679
Ion Ratio Lower Upper
240 100
120 12.6 8.9 13.3
236 25.5 20.8 31.2

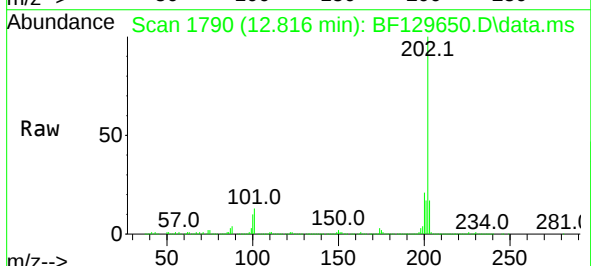
Manual Integrations

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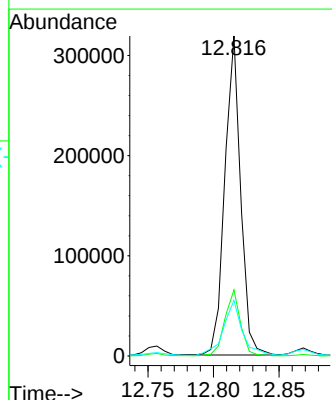
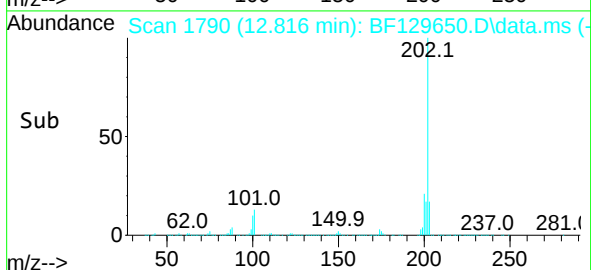
Reviewed By :Christian Giraldo 08/09/2022
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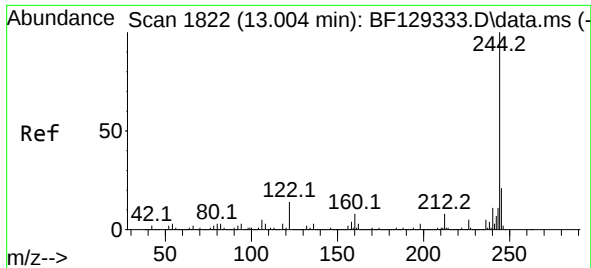


#78
Pyrene
Concen: 10.733 ng
RT: 12.816 min Scan# 1790
Delta R.T. -0.012 min
Lab File: BF129650.D
Acq: 09 Aug 2022 01:37



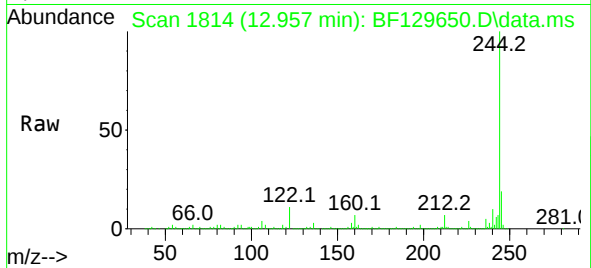
Tgt Ion:202 Resp: 266279
Ion Ratio Lower Upper
202 100
200 20.7 17.7 26.5
203 17.4 14.6 21.8





#79
 Terphenyl-d14
 Concen: 67.582 ng
 RT: 12.957 min Scan# 1814
 Delta R.T. -0.012 min
 Lab File: BF129650.D
 Acq: 09 Aug 2022 01:37

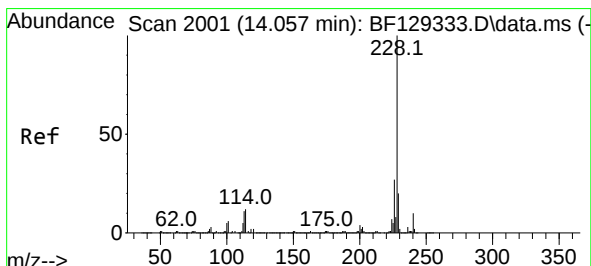
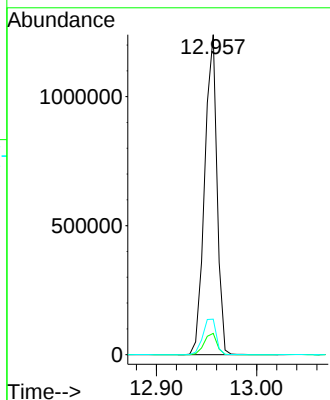
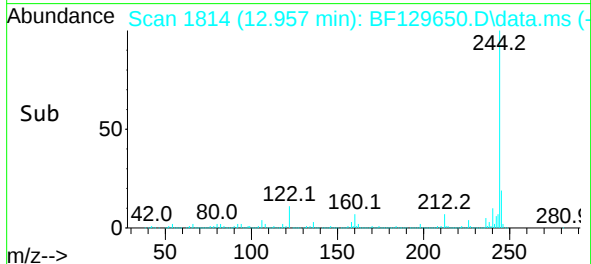
Instrument :
 BNA_F
 ClientSampleId :
 RVE-160RE



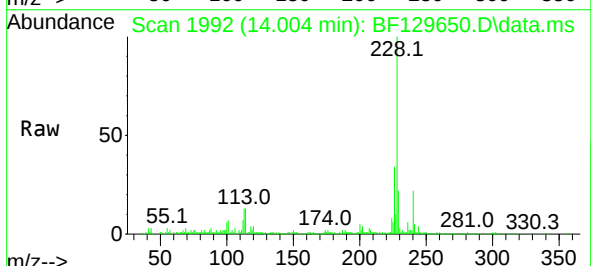
Tgt Ion:244 Resp: 1062760
 Ion Ratio Lower Upper
 244 100
 212 6.6 6.1 9.1
 122 11.1 8.8 13.2

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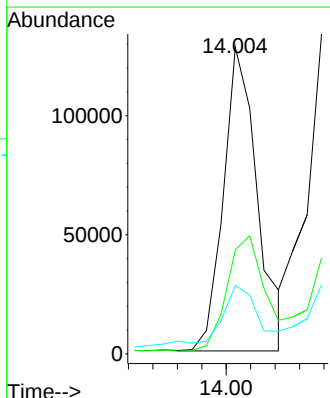
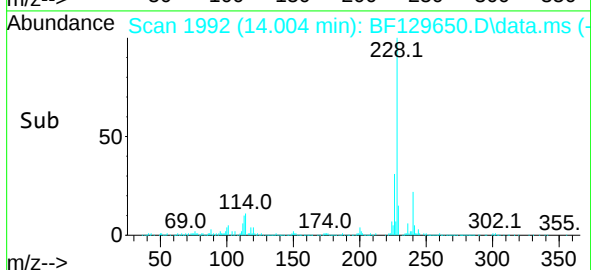
Reviewed By :Christian Giraldo 08/09/2022
 Supervised By :Jagrut Upadhyay 08/09/2022

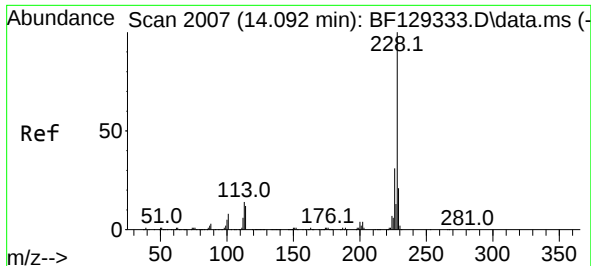


#81
 Benzo(a)anthracene
 Concen: 6.107 ng m
 RT: 14.004 min Scan# 1992
 Delta R.T. -0.012 min
 Lab File: BF129650.D
 Acq: 09 Aug 2022 01:37



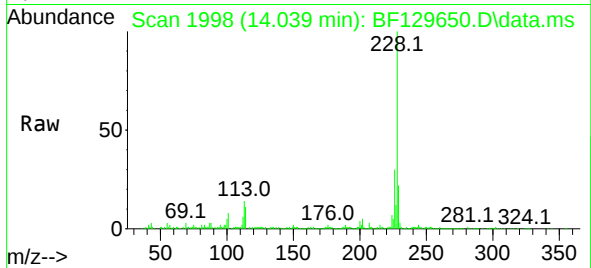
Tgt Ion:228 Resp: 123769
 Ion Ratio Lower Upper
 228 100
 226 33.9 22.1 33.1#
 229 22.4 15.8 23.8





#83
Chrysene
Concen: 7.337 ng
RT: 14.039 min Scan# 14013
Delta R.T. -0.018 min
Lab File: BF129650.D
Acq: 09 Aug 2022 01:37

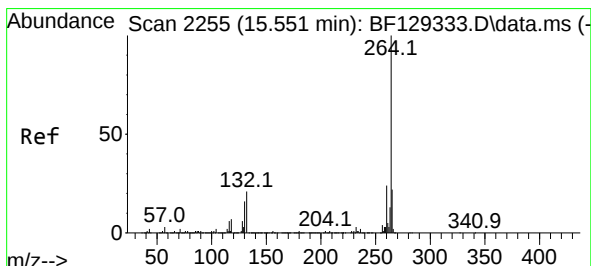
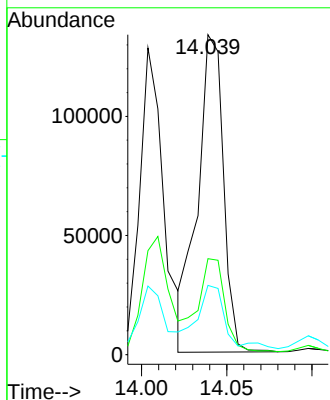
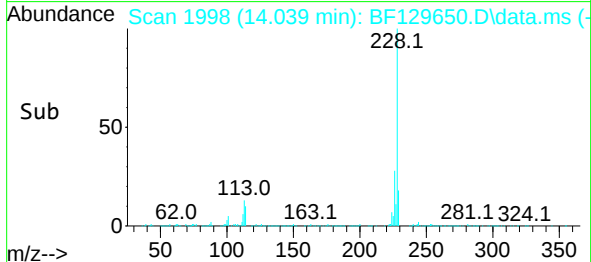
Instrument :
BNA_F
ClientSampleId :
RVE-160RE



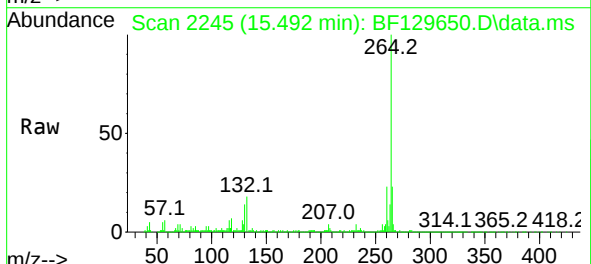
Tgt Ion:228 Resp: 14013
Ion Ratio Lower Upper
228 100
226 30.0 24.3 36.5
229 21.6 15.9 23.9

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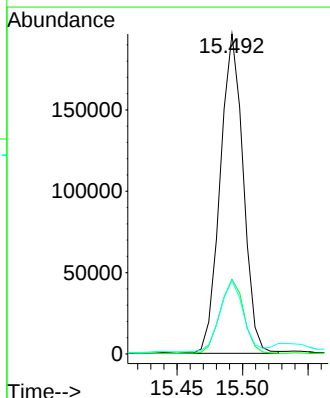
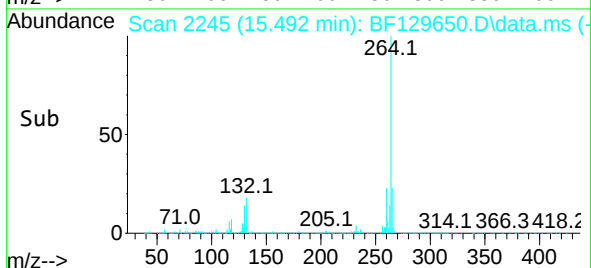
Reviewed By :Christian Giraldo 08/09/2022
Supervised By :Jagrut Upadhyay 08/09/2022

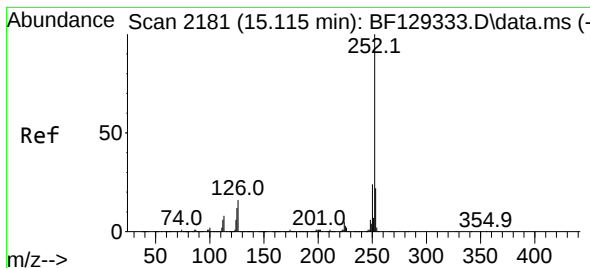


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.492 min Scan# 2245
Delta R.T. -0.012 min
Lab File: BF129650.D
Acq: 09 Aug 2022 01:37



Tgt Ion:264 Resp: 239482
Ion Ratio Lower Upper
264 100
260 23.3 18.4 27.6
265 23.0 17.2 25.8





#88

Benzo(b)fluoranthene

Concen: 7.935 ng m

RT: 15.062 min Scan# 2181

Delta R.T. -0.006 min

Lab File: BF129650.D

Acq: 09 Aug 2022 01:37

Instrument :

BNA_F

ClientSampleId :

RVE-160RE

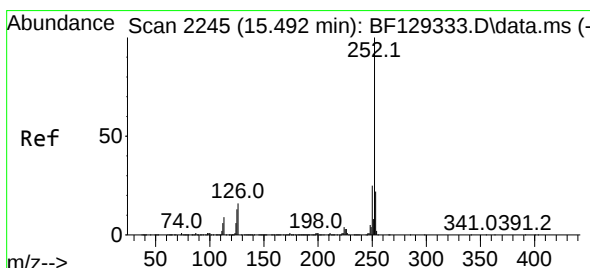
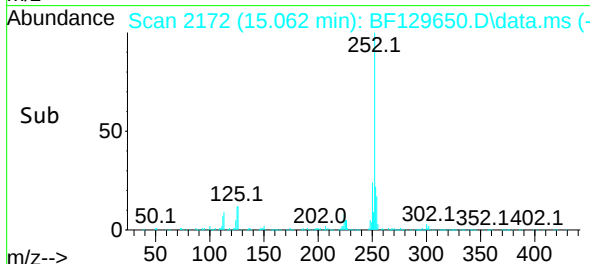
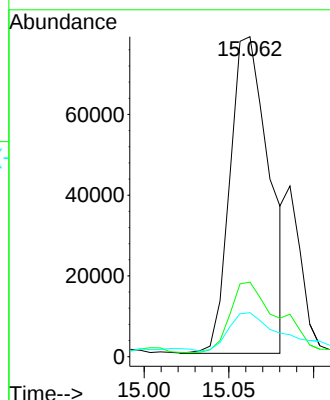
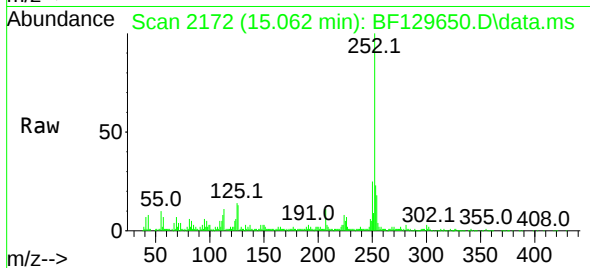
Tgt Ion:252 Resp: 126050
 Ion Ratio Lower Upper
 252 100
 253 23.3 17.7 26.5
 125 13.7 8.0 12.0

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 08/09/2022

Supervised By :Jagrut Upadhyay 08/09/2022



#90

Benzo(a)pyrene

Concen: 7.416 ng

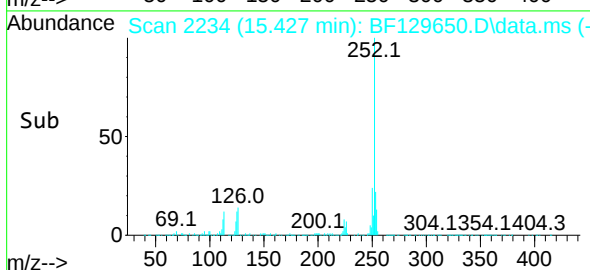
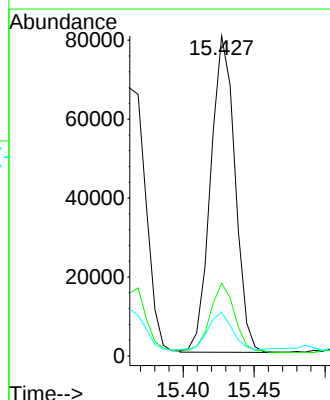
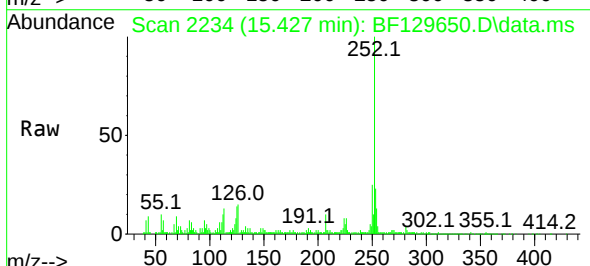
RT: 15.427 min Scan# 2234

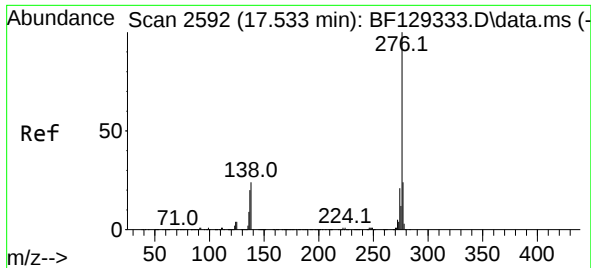
Delta R.T. -0.012 min

Lab File: BF129650.D

Acq: 09 Aug 2022 01:37

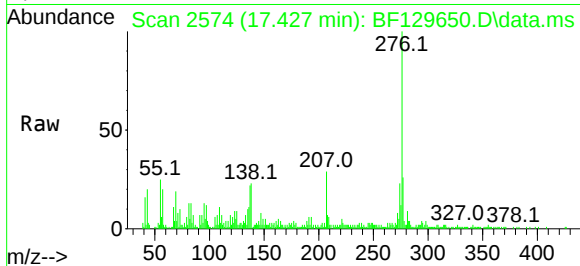
Tgt Ion:252 Resp: 95630
 Ion Ratio Lower Upper
 252 100
 253 22.7 17.0 25.6
 125 13.6 8.8 13.2





#92
Benzo(g,h,i)perylene
Concen: 4.391 ng
RT: 17.427 min Scan# 21
Delta R.T. -0.024 min
Lab File: BF129650.D
Acq: 09 Aug 2022 01:37

Instrument :
BNA_F
ClientSampleId :
RVE-160RE



Tgt Ion: 276 Resp: 58890
Ion Ratio Lower Upper
276 100
277 25.9 19.1 28.7
138 23.2 18.0 27.0

Manual Integrations
APPROVED

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

