

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080922\
 Data File : BF129673.D
 Acq On : 09 Aug 2022 18:53
 Operator : CG\JU
 Sample : N3963-13
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RVE-218

Manual Integrations
 APPROVED

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

Quant Time: Aug 10 05:33:02 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	179730	20.000	ng	-0.01
21) Naphthalene-d8	8.122	136	698603	20.000	ng	-0.01
39) Acenaphthene-d10	9.880	164	340311	20.000	ng	-0.01
64) Phenanthrene-d10	11.369	188	486952	20.000	ng	-0.01
76) Chrysene-d12	14.016	240	295203	20.000	ng	-0.01
86) Perylene-d12	15.492	264	314224	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	1180965	107.038	ng	0.00
7) Phenol-d6	6.492	99	1491537	107.552	ng	-0.01
23) Nitrobenzene-d5	7.410	82	940398	73.482	ng	-0.01
42) 2,4,6-Tribromophenol	10.675	330	340673	104.123	ng	-0.01
45) 2-Fluorobiphenyl	9.198	172	1660044	75.460	ng	-0.01
79) Terphenyl-d14	12.957	244	1229834	78.596	ng	-0.01
Target Compounds						Qvalue
71) Phenanthrene	11.392	178	68482	2.576	ng	97
75) Fluoranthene	12.586	202	145396	5.398	ng	99
78) Pyrene	12.816	202	143026	5.794	ng	98
81) Benzo(a)anthracene	14.004	228	71461	3.544	ng	97
83) Chrysene	14.039	228	70093	3.688	ng	98
88) Benzo(b)fluoranthene	15.057	252	117072m	5.617	ng	
90) Benzo(a)pyrene	15.427	252	79300	4.687	ng	98
92) Benzo(g,h,i)perylene	17.421	276	53536	3.042	ng	99

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

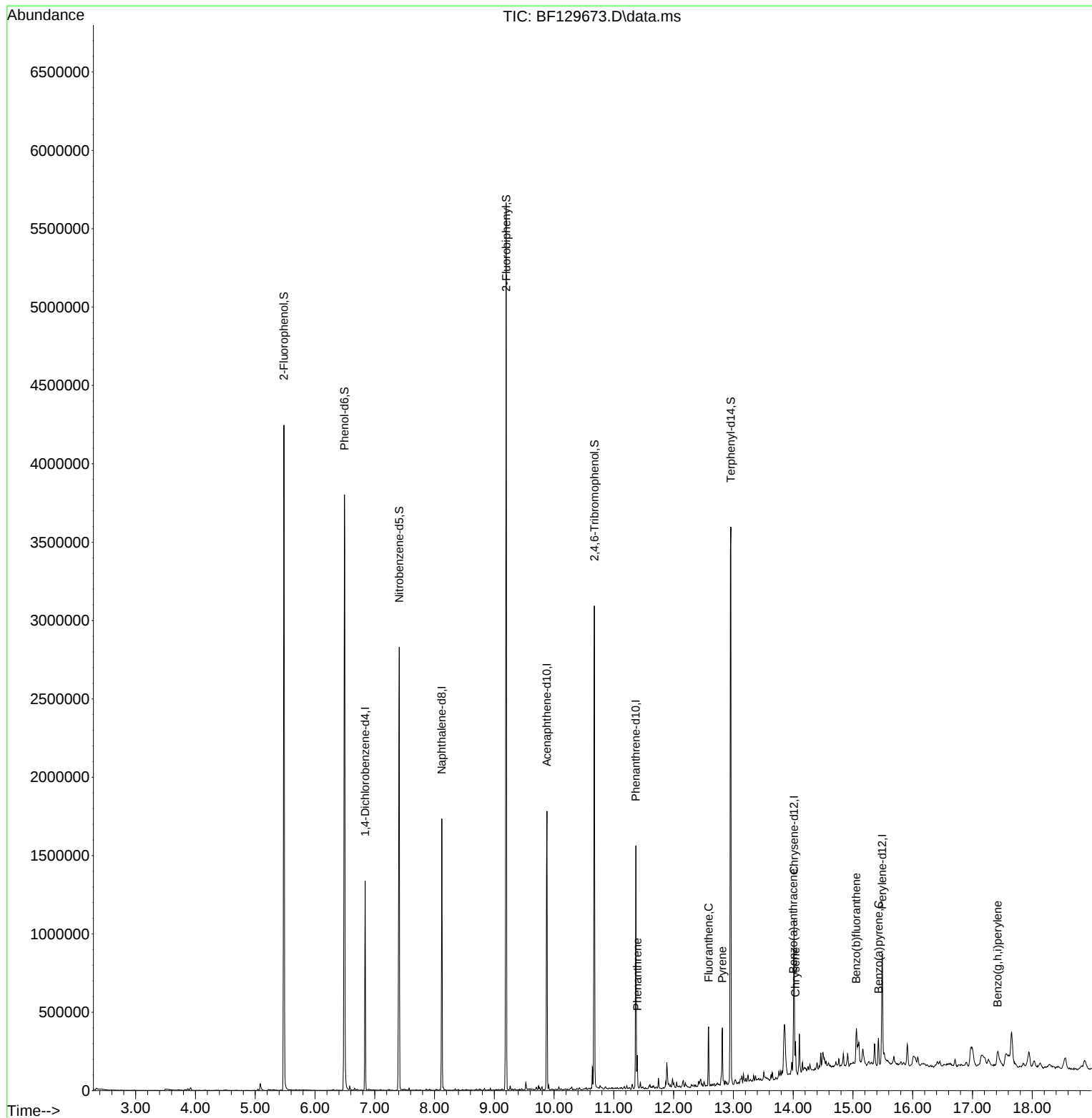
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080922\
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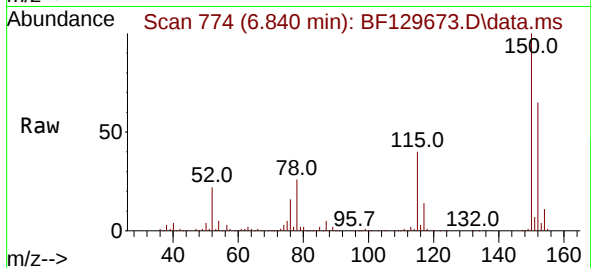
Reviewed By : Christian Giraldo 08/10/2022
Supervised By : Jagrut Upadhyay 08/10/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.840 min Scan# 71
Delta R.T. -0.011 min
Lab File: BF129673.D
Acq: 09 Aug 2022 18:53

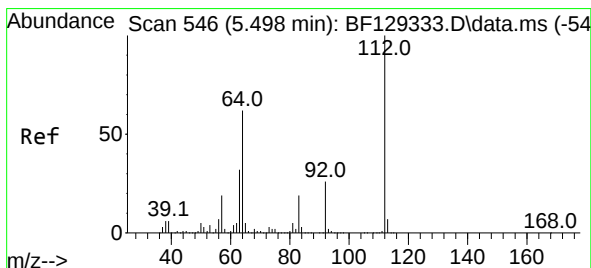
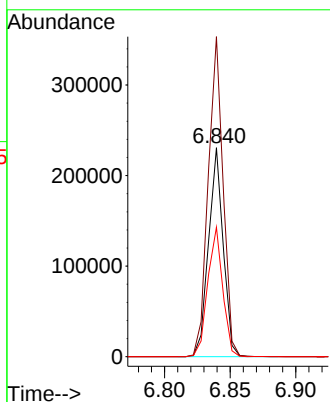
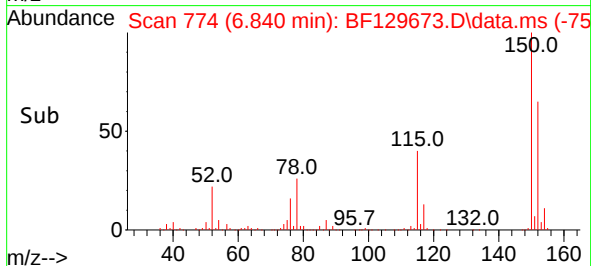
Instrument :
BNA_F
ClientSampleId :
RVE-218



Tgt Ion:152 Resp: 179730
Ion Ratio Lower Upper
152 100
150 153.1 123.7 185.5
115 61.9 49.9 74.9

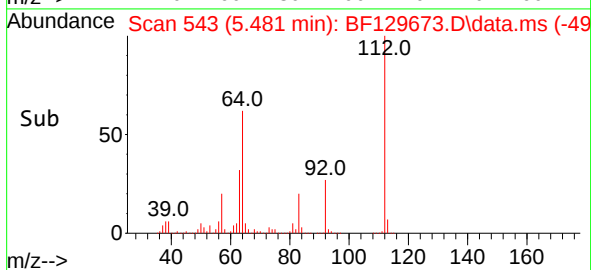
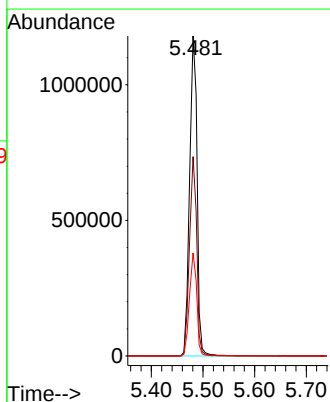
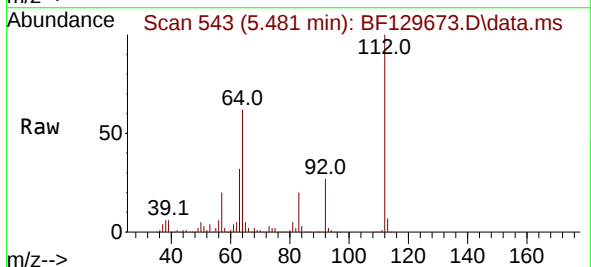
Manual Integrations
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#5
2-Fluorophenol
Concen: 107.038 ng
RT: 5.481 min Scan# 543
Delta R.T. -0.000 min
Lab File: BF129673.D
Acq: 09 Aug 2022 18:53

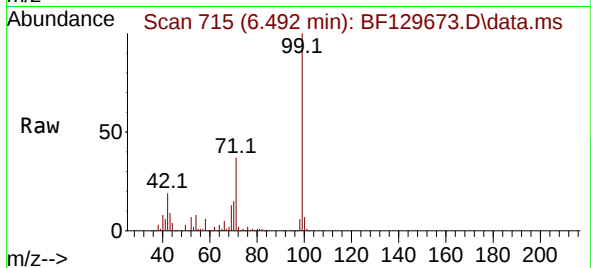
Tgt Ion:112 Resp: 1180965
Ion Ratio Lower Upper
112 100
64 62.3 53.3 79.9
63 32.2 28.0 42.0





#7
Phenol-d6
Concen: 107.552 ng
RT: 6.492 min Scan# 719
Delta R.T. -0.012 min
Lab File: BF129673.D
Acq: 09 Aug 2022 18:53

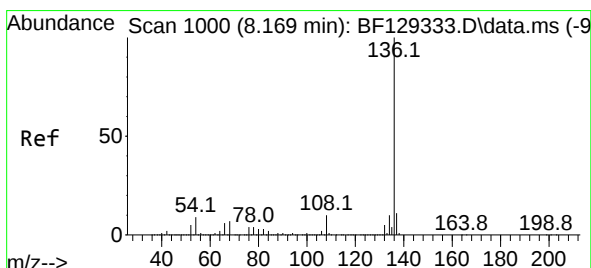
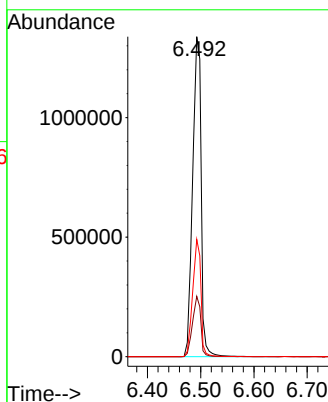
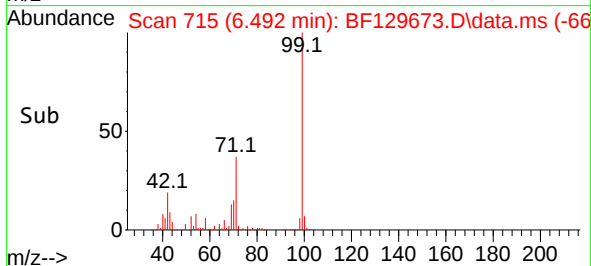
Instrument :
BNA_F
ClientSampleId :
RVE-218



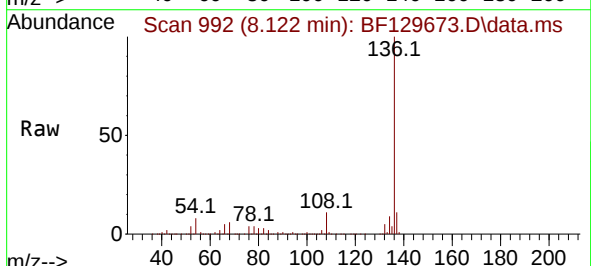
Tgt Ion: 99 Resp: 149153
Ion Ratio Lower Upper
99 100
42 18.9 17.3 25.9
71 36.6 28.9 43.3

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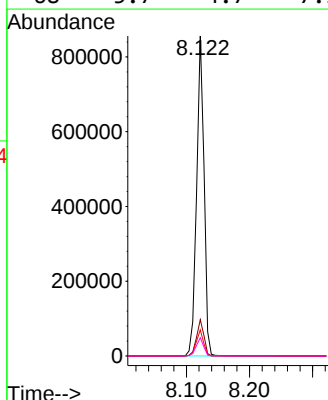
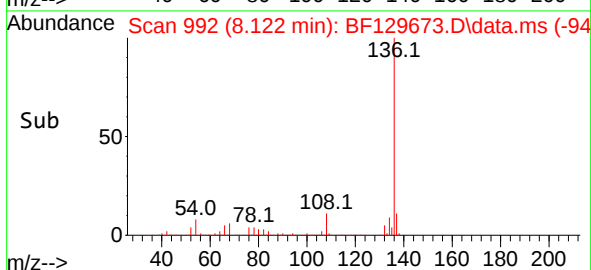
Reviewed By :Christian Giraldo 08/10/2022
Supervised By :Jagrut Upadhyay 08/10/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.122 min Scan# 992
Delta R.T. -0.012 min
Lab File: BF129673.D
Acq: 09 Aug 2022 18:53



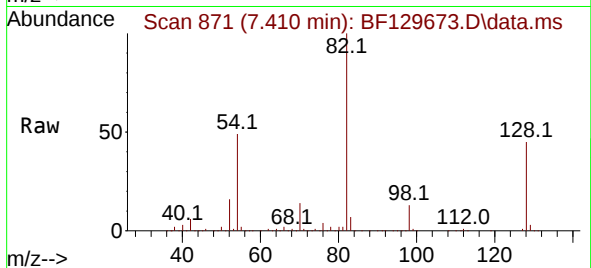
Tgt Ion:136 Resp: 698603
Ion Ratio Lower Upper
136 100
137 11.3 8.8 13.2
54 8.2 7.5 11.3
68 5.7 4.7 7.1





#23
Nitrobenzene-d5
Concen: 73.482 ng
RT: 7.410 min Scan# 81
Delta R.T. -0.012 min
Lab File: BF129673.D
Acq: 09 Aug 2022 18:53

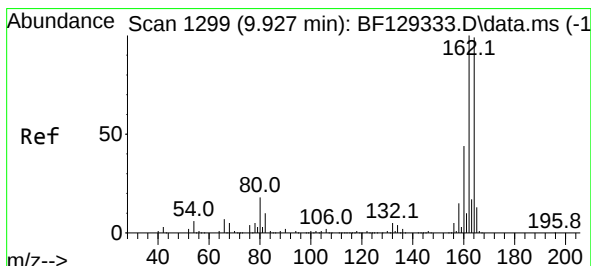
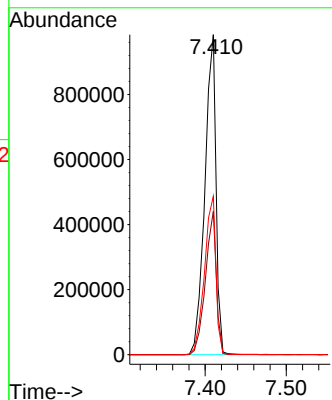
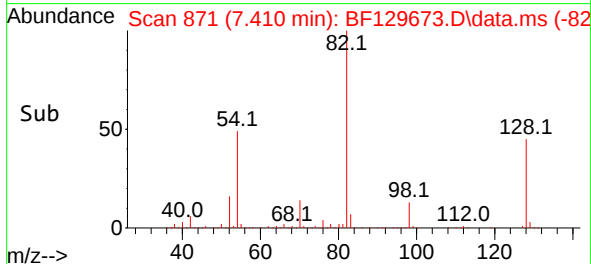
Instrument :
BNA_F
ClientSampleId :
RVE-218



Tgt Ion: 82 Resp: 940398
Ion Ratio Lower Upper
82 100
128 44.8 34.0 51.0
54 49.5 46.9 70.3

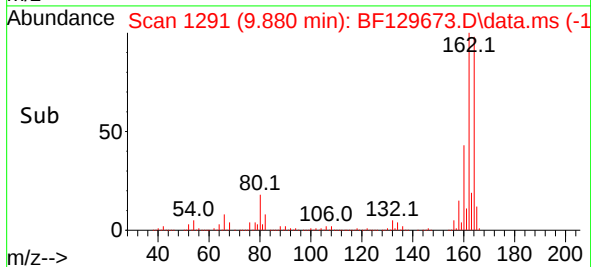
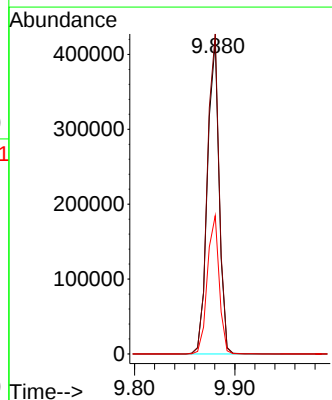
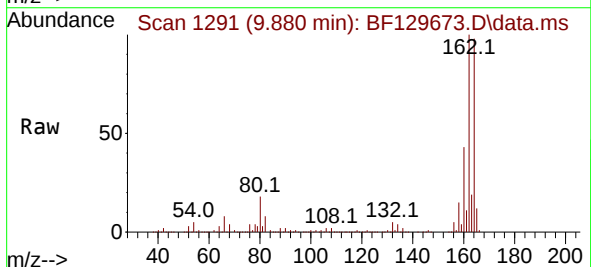
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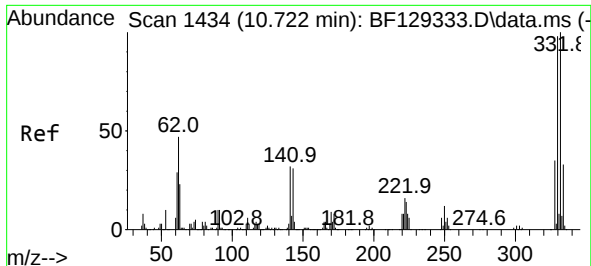
Reviewed By :Christian Giraldo 08/10/2022
Supervised By :Jagrut Upadhyay 08/10/2022



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.880 min Scan# 1291
Delta R.T. -0.012 min
Lab File: BF129673.D
Acq: 09 Aug 2022 18:53

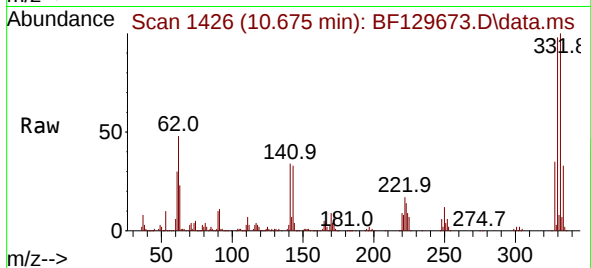
Tgt Ion:164 Resp: 340311
Ion Ratio Lower Upper
164 100
162 102.3 79.5 119.3
160 44.2 34.2 51.4





#42
2,4,6-Tribromophenol
Concen: 104.123 ng
RT: 10.675 min Scan# 1426
Delta R.T. -0.012 min
Lab File: BF129673.D
Acq: 09 Aug 2022 18:53

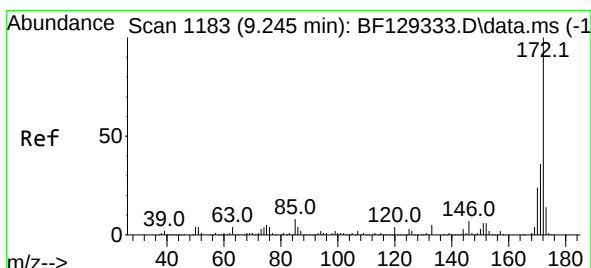
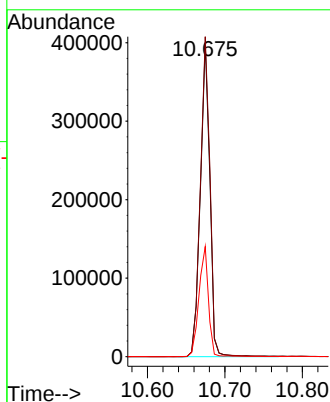
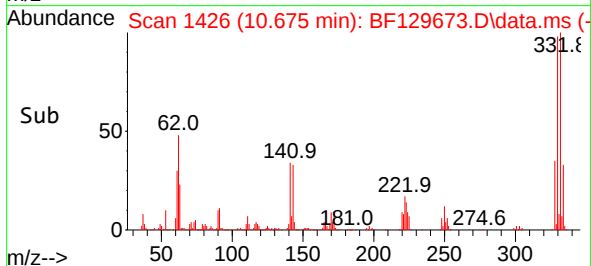
Instrument :
BNA_F
ClientSampleId :
RVE-218



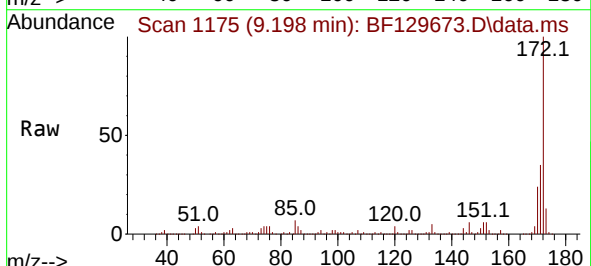
Tgt Ion:330 Resp: 340673
Ion Ratio Lower Upper
330 100
332 103.0 76.8 115.2
141 35.5 28.0 42.0

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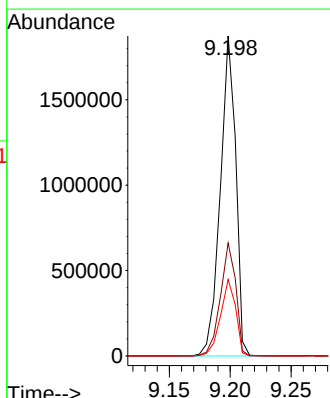
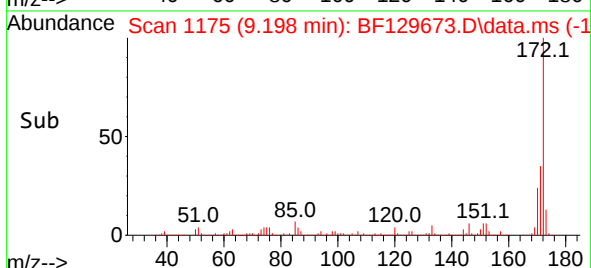
Reviewed By :Christian Giraldo 08/10/2022
Supervised By :Jagrut Upadhyay 08/10/2022

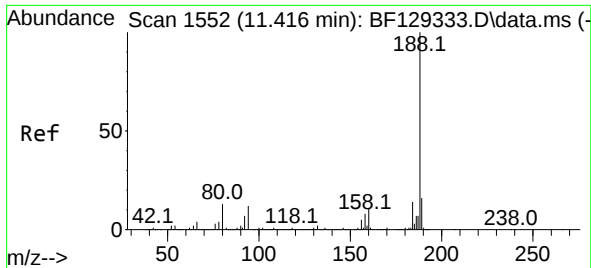


#45
2-Fluorobiphenyl
Concen: 75.460 ng
RT: 9.198 min Scan# 1175
Delta R.T. -0.012 min
Lab File: BF129673.D
Acq: 09 Aug 2022 18:53



Tgt Ion:172 Resp: 1660044
Ion Ratio Lower Upper
172 100
171 35.3 28.8 43.2
170 23.9 19.8 29.8





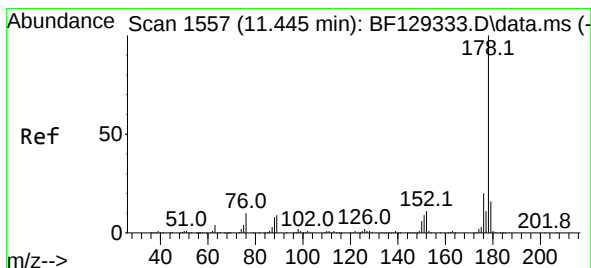
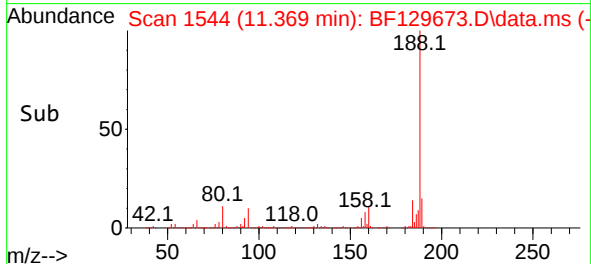
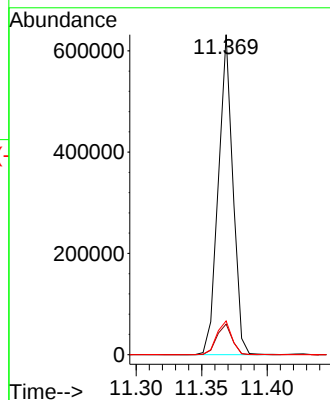
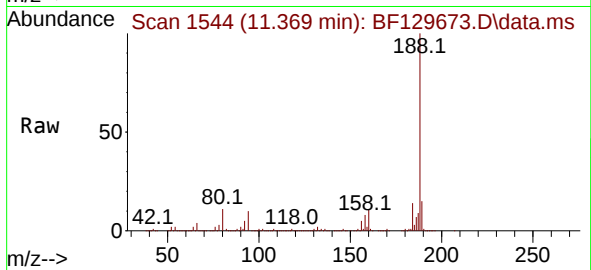
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.369 min Scan# 1544
Delta R.T. -0.012 min
Lab File: BF129673.D
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RVE-218

Tgt Ion:188 Resp: 486952
Ion Ratio Lower Upper
188 100
94 9.6 7.0 10.6
80 10.5 7.6 11.4

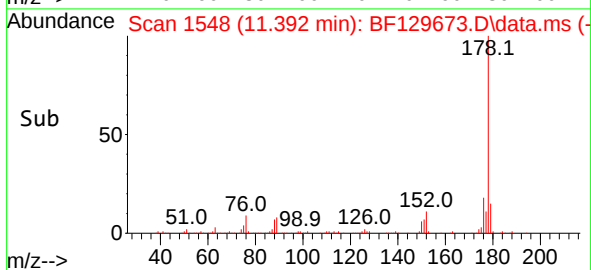
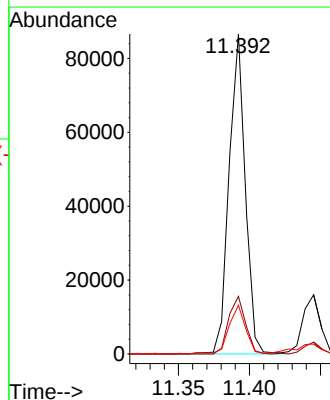
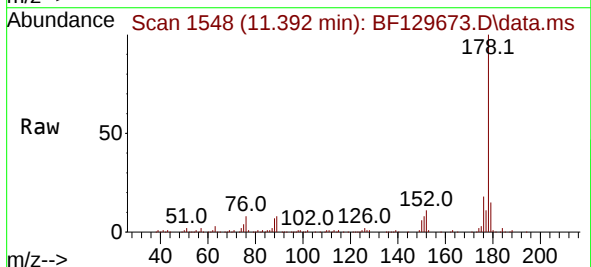
Manual Integrations
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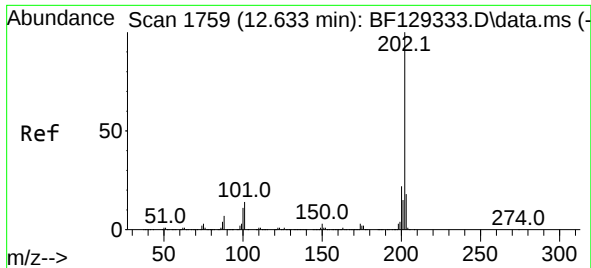
Reviewed By :Christian Giraldo 08/10/2022
Supervised By :Jagrut Upadhyay 08/10/2022



#71
Phenanthrene
Concen: 2.576 ng
RT: 11.392 min Scan# 1548
Delta R.T. -0.018 min
Lab File: BF129673.D
Acq: 09 Aug 2022 18:53

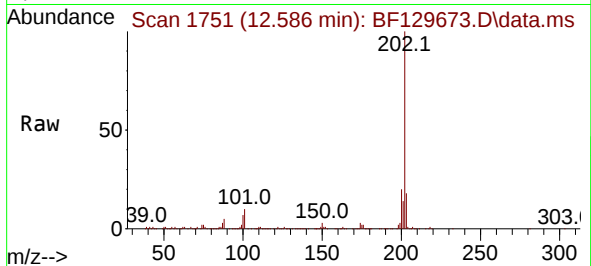
Tgt Ion:178 Resp: 68482
Ion Ratio Lower Upper
178 100
176 18.0 16.0 24.0
179 15.2 12.6 19.0





#75
Fluoranthene
Concen: 5.398 ng
RT: 12.586 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF129673.D
Acq: 09 Aug 2022 18:53

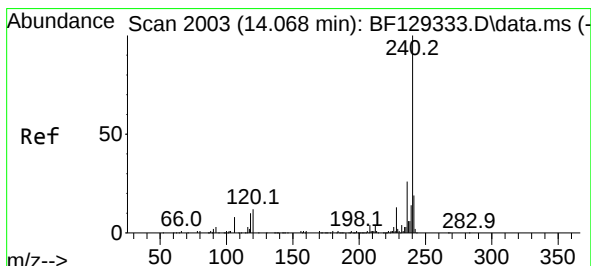
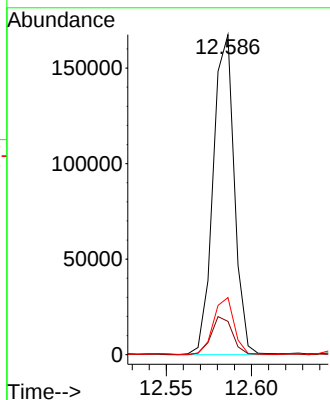
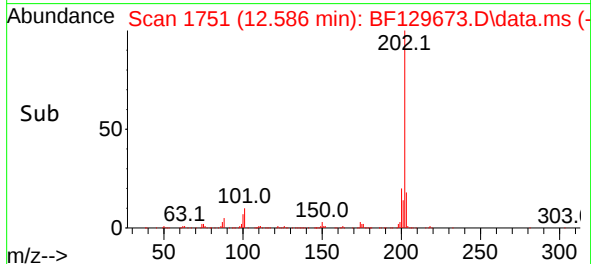
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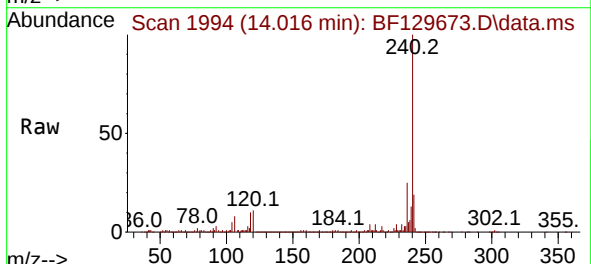
Tgt Ion:202 Resp: 145390
Ion Ratio Lower Upper
202 100
101 10.4 0.0 31.4
203 17.9 0.0 38.0

Manual Integrations
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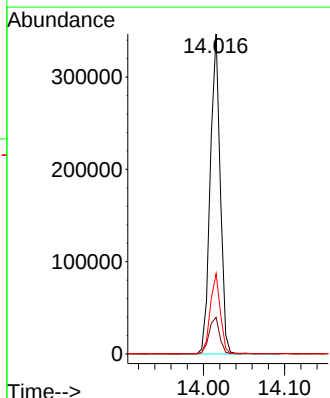
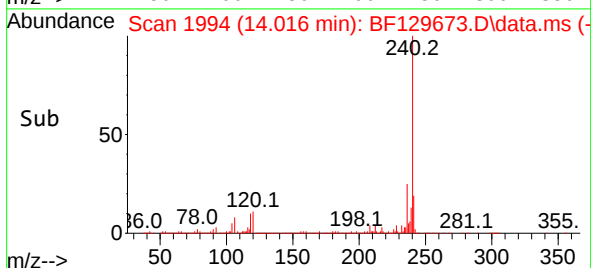
Reviewed By :Christian Giraldo 08/10/2022
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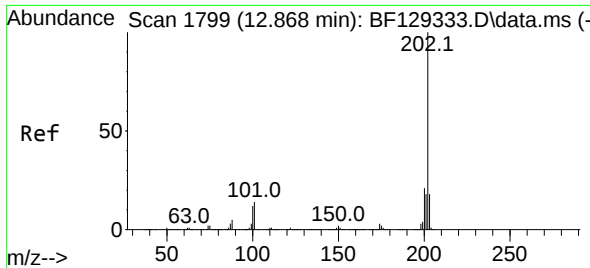


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.016 min Scan# 1994
Delta R.T. -0.012 min
Lab File: BF129673.D
Acq: 09 Aug 2022 18:53



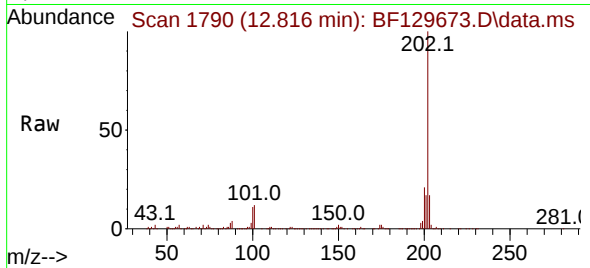
Tgt Ion:240 Resp: 295203
Ion Ratio Lower Upper
240 100
120 11.5 8.9 13.3
236 25.1 20.8 31.2





#78
Pyrene
Concen: 5.794 ng
RT: 12.816 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF129673.D
Acq: 09 Aug 2022 18:53

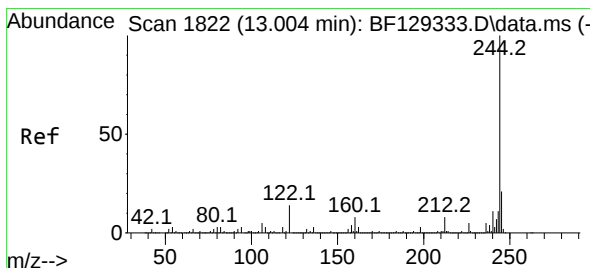
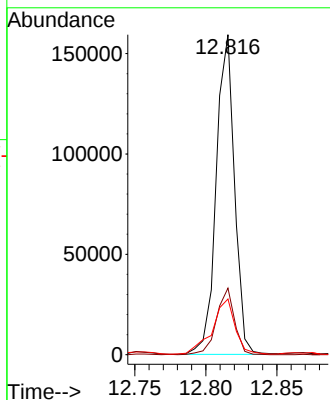
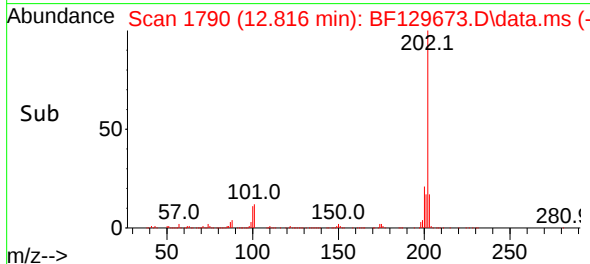
Instrument :
BNA_F
ClientSampleId :
RVE-218



Tgt Ion:202 Resp: 143020
Ion Ratio Lower Upper
202 100
200 20.8 17.7 26.5
203 17.4 14.6 21.8

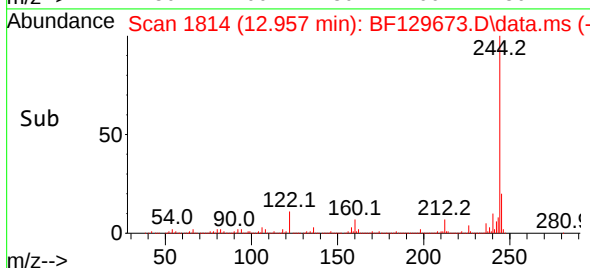
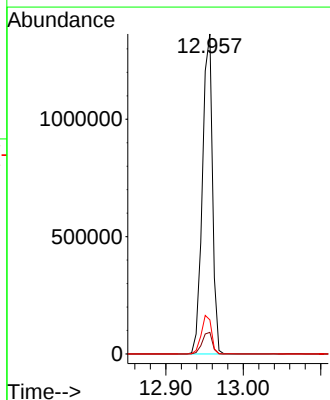
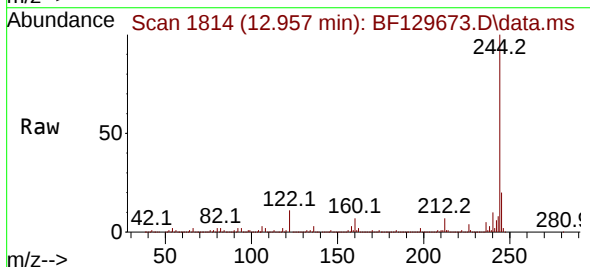
Manual Integrations
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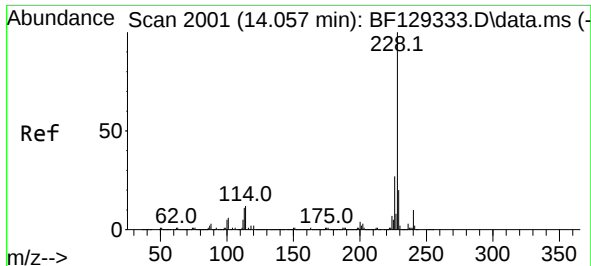
Reviewed By :Christian Giraldo 08/10/2022
Supervised By :Jagrut Upadhyay 08/10/2022



#79
Terphenyl-d14
Concen: 78.596 ng
RT: 12.957 min Scan# 1814
Delta R.T. -0.012 min
Lab File: BF129673.D
Acq: 09 Aug 2022 18:53

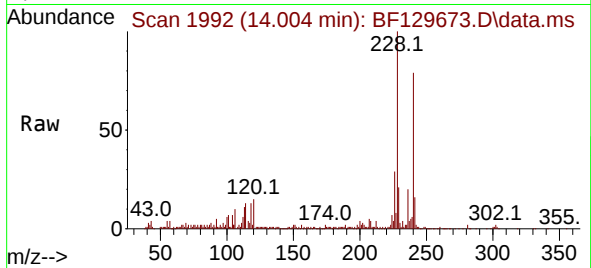
Tgt Ion:244 Resp: 1229834
Ion Ratio Lower Upper
244 100
212 6.7 6.1 9.1
122 10.6 8.8 13.2





#81
Benzo(a)anthracene
Concen: 3.544 ng
RT: 14.004 min Scan# 1992
Delta R.T. -0.012 min
Lab File: BF129673.D
Acq: 09 Aug 2022 18:53

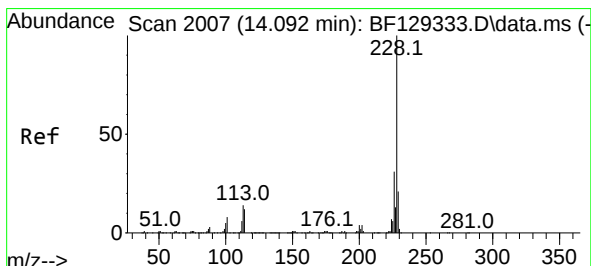
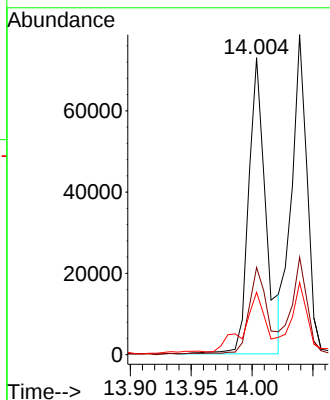
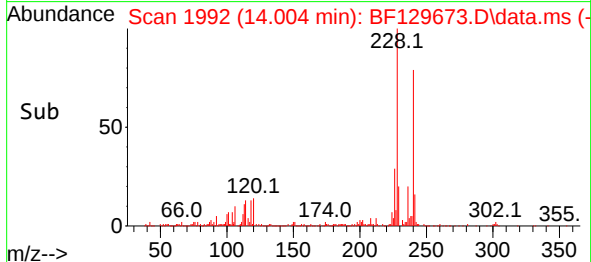
Instrument :
BNA_F
ClientSampleId :
RVE-218



Tgt Ion:228 Resp: 7146
Ion Ratio Lower Upper
228 100
226 29.4 22.1 33.1
229 21.0 15.8 23.8

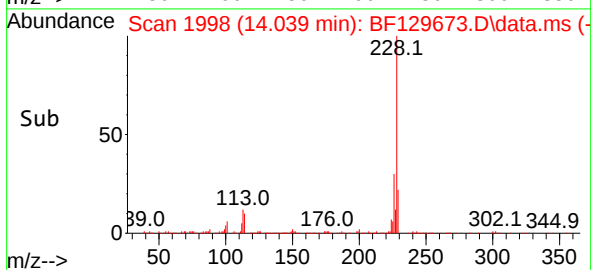
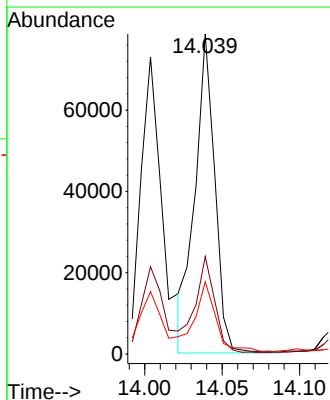
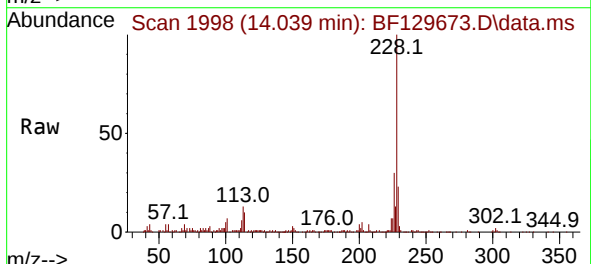
Manual Integrations
APPROVED

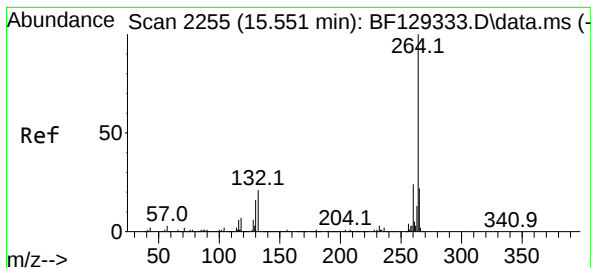
Reviewed By :Christian Giraldo 08/10/2022
Supervised By :Jagrut Upadhyay 08/10/2022



#83
Chrysene
Concen: 3.688 ng
RT: 14.039 min Scan# 1998
Delta R.T. -0.018 min
Lab File: BF129673.D
Acq: 09 Aug 2022 18:53

Tgt Ion:228 Resp: 70093
Ion Ratio Lower Upper
228 100
226 30.5 24.3 36.5
229 22.6 15.9 23.9





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.492 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF129673.D

Acq: 09 Aug 2022 18:53

Instrument :

BNA_F

ClientSampleId :

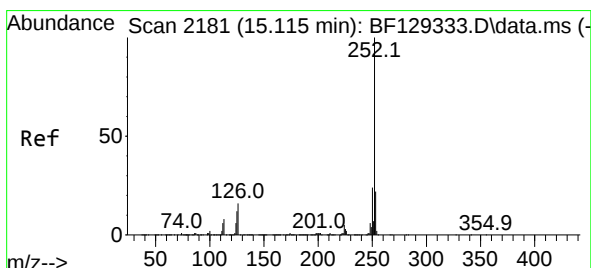
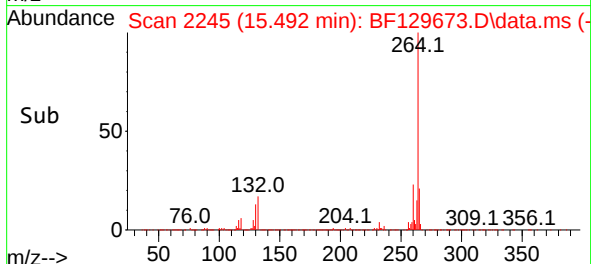
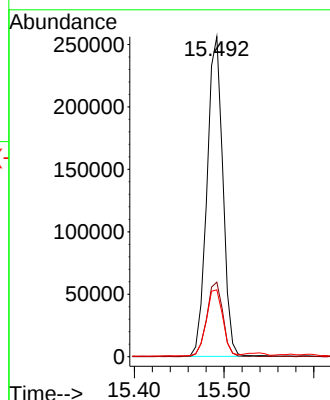
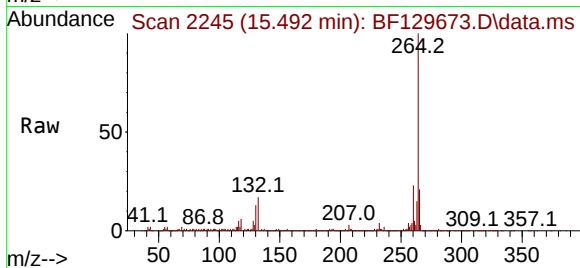
RVE-218

Tgt Ion:264	Resp:	314224
Ion Ratio	Lower	Upper
264	100	
260	23.3	18.4 27.6
265	20.9	17.2 25.8

Manual Integrations

APPROVED

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



#88

Benzo(b)fluoranthene

Concen: 5.617 ng m

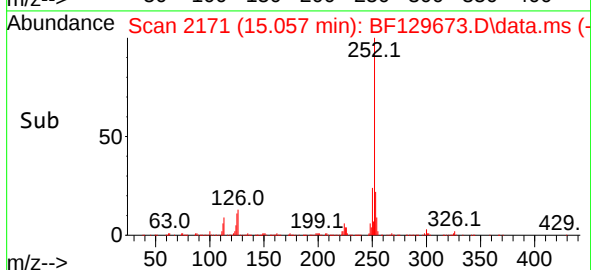
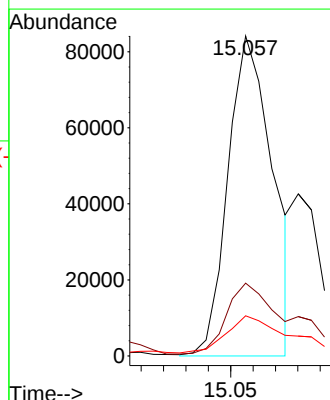
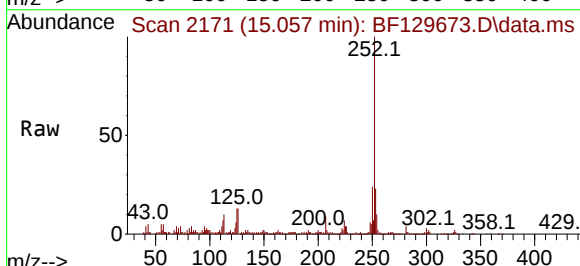
RT: 15.057 min Scan# 2171

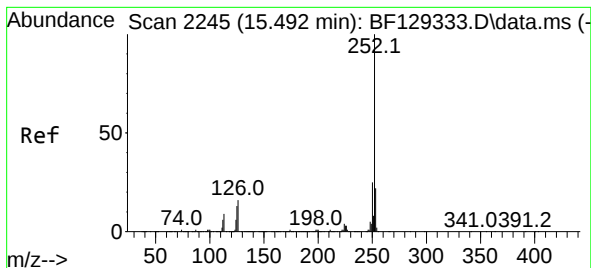
Delta R.T. -0.012 min

Lab File: BF129673.D

Acq: 09 Aug 2022 18:53

Tgt Ion:252	Resp:	117072
Ion Ratio	Lower	Upper
252	100	
253	22.8	17.7 26.5
125	12.6	8.0 12.0#





#90

Benzo(a)pyrene

Concen: 4.687 ng

RT: 15.427 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF129673.D

Acq: 09 Aug 2022 18:53

Instrument :

BNA_F

ClientSampleId :

RVE-218

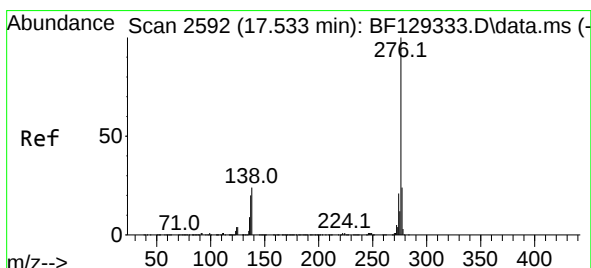
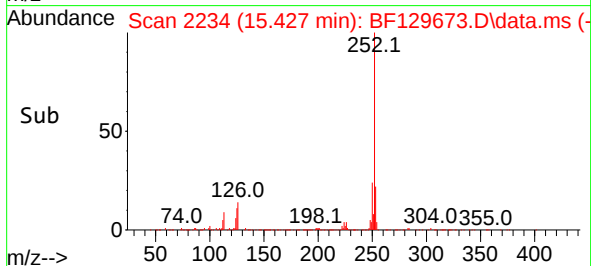
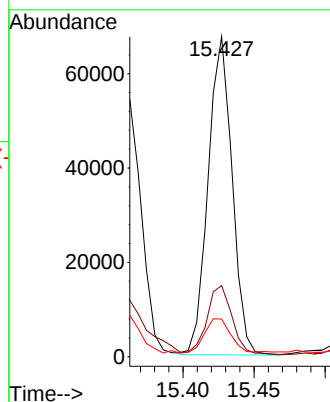
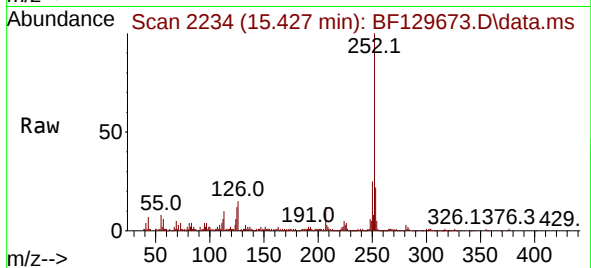
Tgt Ion:	252	Resp:	79300
Ion Ratio	Lower	Upper	
252	100		
253	22.2	17.0	25.6
125	11.8	8.8	13.2

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 08/10/2022

Supervised By :Jagrut Upadhyay 08/10/2022



#92

Benzo(g,h,i)perylene

Concen: 3.042 ng

RT: 17.421 min Scan# 2573

Delta R.T. -0.029 min

Lab File: BF129673.D

Acq: 09 Aug 2022 18:53

Tgt Ion:	276	Resp:	53536
Ion Ratio	Lower	Upper	
276	100		
277	24.1	19.1	28.7
138	21.3	18.0	27.0

