

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070722\
 Data File : BF129170.D
 Acq On : 07 Jul 2022 21:07
 Operator : CG\JU
 Sample : N3605-01 5X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OE-2-070622

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 07/08/2022
 Supervised By : Jagrut Upadhyay 07/08/2022

Quant Time: Jul 08 01:57:06 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062922.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 29 17:05:31 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.951	152	265745	20.000	ng	-0.01
21) Naphthalene-d8	8.234	136	919774	20.000	ng	-0.01
39) Acenaphthene-d10	9.992	164	378223	20.000	ng	-0.01
64) Phenanthrene-d10	11.486	188	569408	20.000	ng	-0.01
76) Chrysene-d12	14.139	240	588224	20.000	ng	-0.01
86) Perylene-d12	15.668	264	465513	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.563	112	406583	25.866	ng	-0.02
7) Phenol-d6	6.569	99	377913	19.358	ng	-0.02
23) Nitrobenzene-d5	7.510	82	230744	14.964	ng	-0.02
42) 2,4,6-Tribromophenol	10.781	330	72057	17.521	ng	-0.02
45) 2-Fluorobiphenyl	9.310	172	453616	19.187	ng	-0.01
79) Terphenyl-d14	13.075	244	419789	14.820	ng	-0.01
Target Compounds						Qvalue
58) Fluorene	10.545	166	48147	2.057	ng	# 94
71) Phenanthrene	11.510	178	594164	21.839	ng	99
72) Anthracene	11.563	178	144033	5.370	ng	97
75) Fluoranthene	12.710	202	996666	35.029	ng	99
78) Pyrene	12.939	202	1232779	30.235	ng	98
81) Benzo(a)anthracene	14.133	228	678357	18.887	ng	96
83) Chrysene	14.169	228	636056	19.076	ng	98
87) Indeno(1,2,3-cd)pyrene	17.221	276	261677m	9.165	ng	
88) Benzo(b)fluoranthene	15.216	252	722258m	25.799	ng	
89) Benzo(k)fluoranthene	15.239	252	211674m	7.795	ng	
90) Benzo(a)pyrene	15.604	252	493911	21.641	ng	97
91) Dibenzo(a,h)anthracene	17.233	278	67584	2.904	ng	# 87
92) Benzo(g,h,i)perylene	17.692	276	246281	10.547	ng	99

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

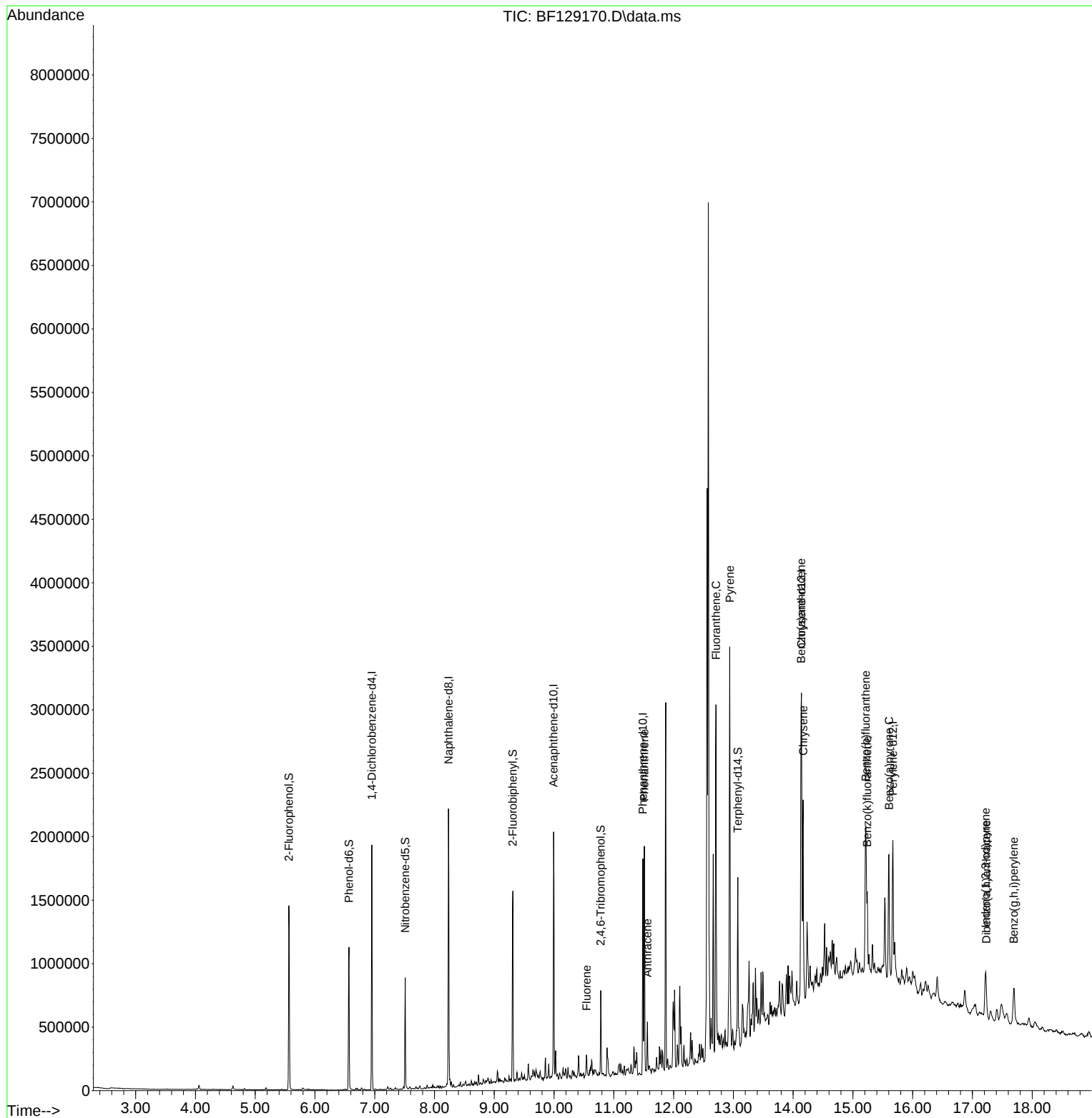
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070722\
Data File : BF129170.D
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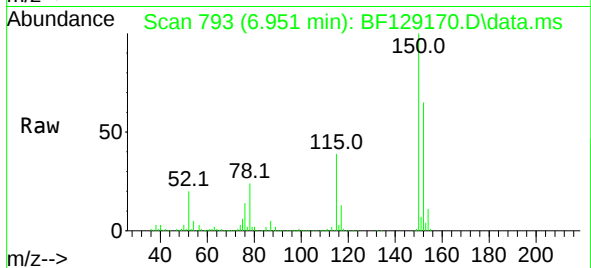
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062922.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 29 17:05:31 2022
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.951 min Scan# 795
Delta R.T. -0.012 min
Lab File: BF129170.D
Acq: 07 Jul 2022 21:07

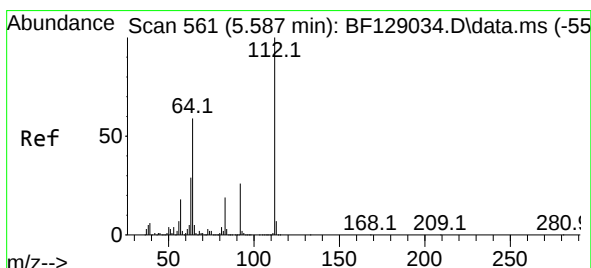
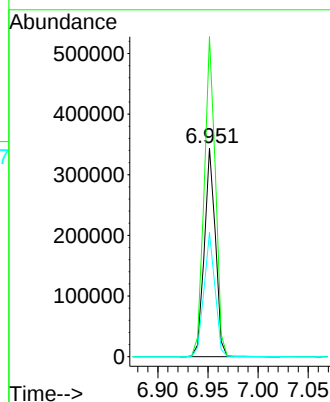
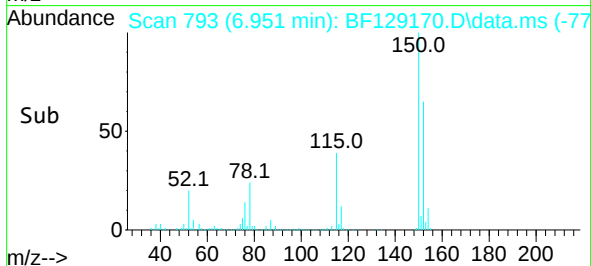
Instrument :
BNA_F
ClientSampleId :
OE-2-070622



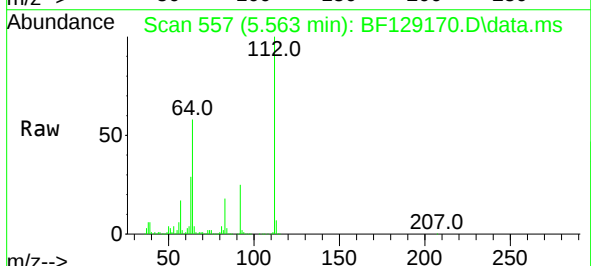
Tgt Ion:152 Resp: 265749
Ion Ratio Lower Upper
152 100
150 153.4 123.7 185.5
115 59.6 49.9 74.9

Manual Integrations
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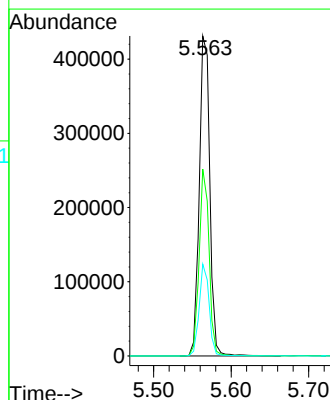
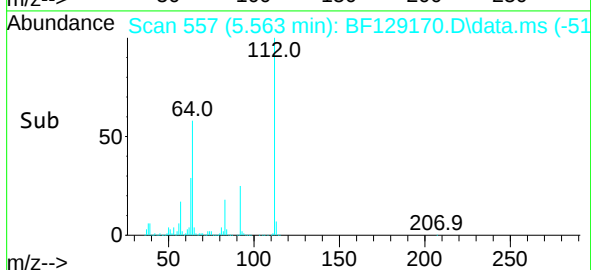
Reviewed By :Christian Giraldo 07/08/2022
Supervised By :Jagrut Upadhyay 07/08/2022

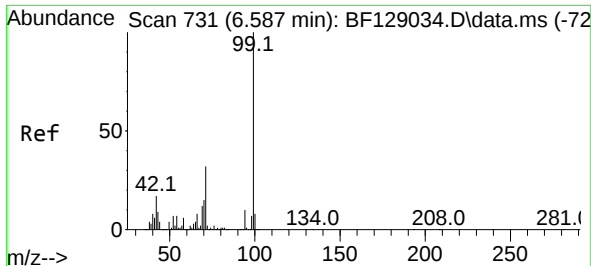


#5
2-Fluorophenol
Concen: 25.866 ng
RT: 5.563 min Scan# 557
Delta R.T. -0.024 min
Lab File: BF129170.D
Acq: 07 Jul 2022 21:07



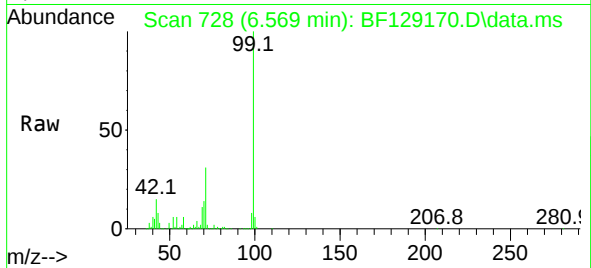
Tgt Ion:112 Resp: 406583
Ion Ratio Lower Upper
112 100
64 58.4 53.3 79.9
63 28.7 28.0 42.0





#7
Phenol-d6
Concen: 19.358 ng
RT: 6.569 min Scan# 71
Delta R.T. -0.018 min
Lab File: BF129170.D
Acq: 07 Jul 2022 21:07

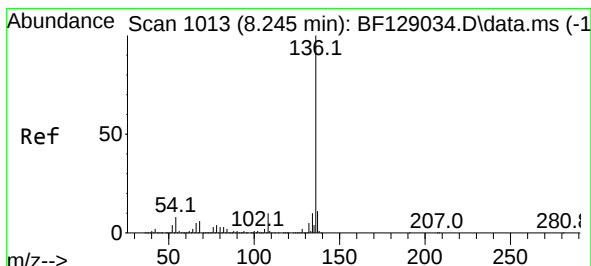
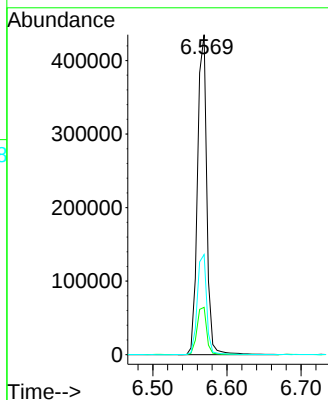
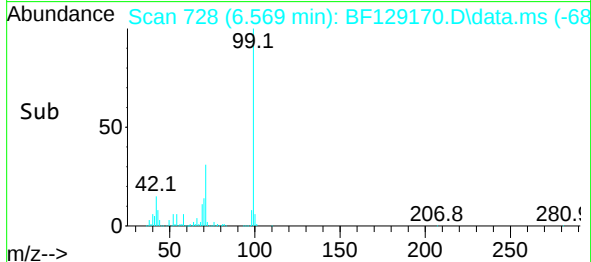
Instrument :
BNA_F
ClientSampleId :
OE-2-070622



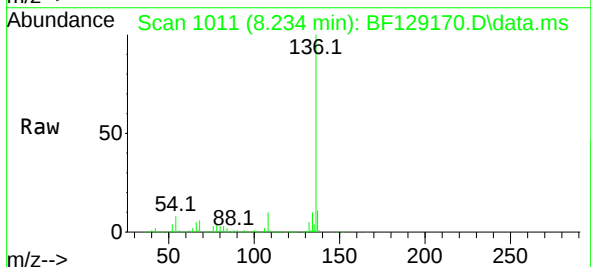
Tgt Ion: 99 Resp: 377911
Ion Ratio Lower Upper
99 100
42 14.8 17.3 25.9
71 31.3 28.9 43.3

Manual Integrations
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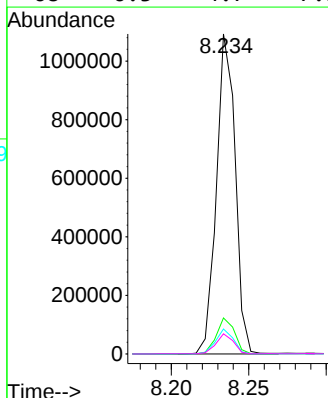
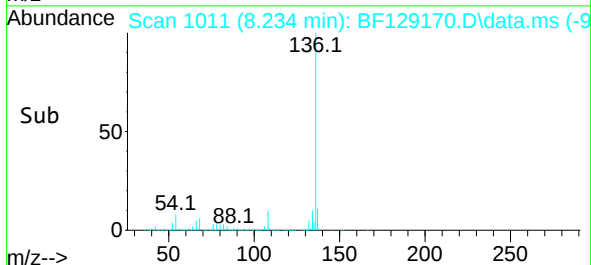
Reviewed By :Christian Giraldo 07/08/2022
Supervised By :Jagrut Upadhyay 07/08/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.234 min Scan# 1011
Delta R.T. -0.011 min
Lab File: BF129170.D
Acq: 07 Jul 2022 21:07



Tgt Ion:136 Resp: 919774
Ion Ratio Lower Upper
136 100
137 11.2 8.8 13.2
54 7.8 7.5 11.3
68 6.3 4.7 7.1





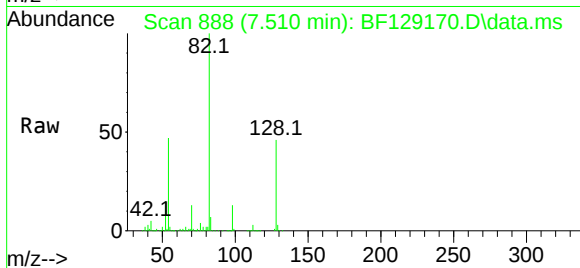
#23
Nitrobenzene-d5
Concen: 14.964 ng
RT: 7.510 min Scan# 81
Delta R.T. -0.018 min
Lab File: BF129170.D
Acq: 07 Jul 2022 21:07

Instrument :

BNA_F

ClientSampleId :

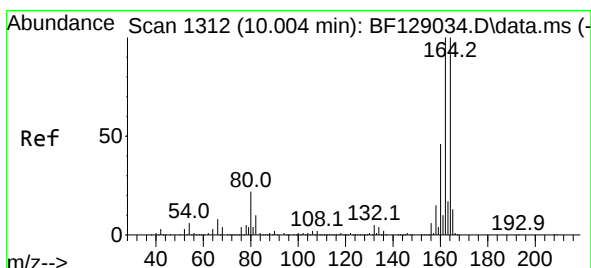
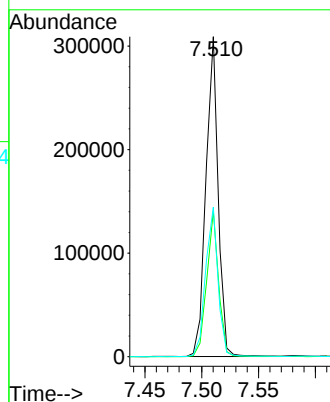
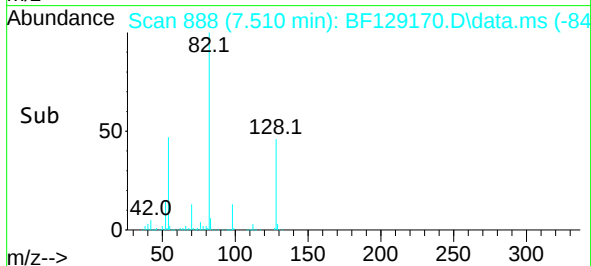
OE-2-070622



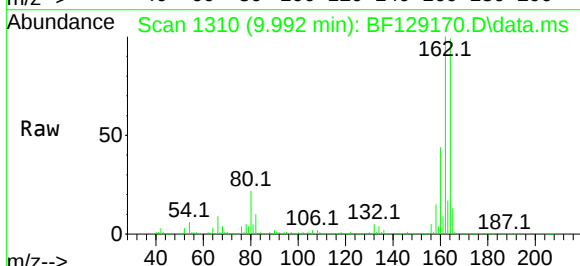
Tgt Ion: 82 Resp: 230744
Ion Ratio Lower Upper
82 100
128 45.6 34.0 51.0
54 46.7 46.9 70.3

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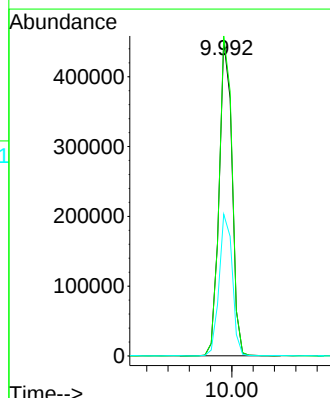
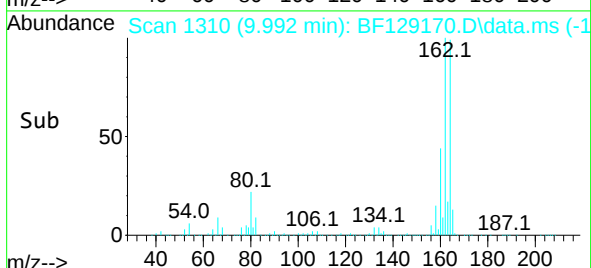
Reviewed By :Christian Giraldo 07/08/2022
Supervised By :Jagrut Upadhyay 07/08/2022



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.992 min Scan# 1310
Delta R.T. -0.012 min
Lab File: BF129170.D
Acq: 07 Jul 2022 21:07



Tgt Ion:164 Resp: 378223
Ion Ratio Lower Upper
164 100
162 101.4 79.5 119.3
160 45.0 34.2 51.4





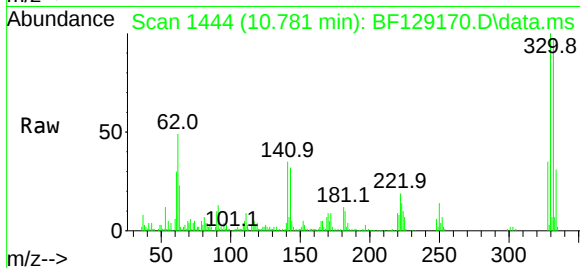
#42
2,4,6-Tribromophenol
Concen: 17.521 ng
RT: 10.781 min Scan# 1444
Delta R.T. -0.018 min
Lab File: BF129170.D
Acq: 07 Jul 2022 21:07

Instrument :

BNA_F

ClientSampleId :

OE-2-070622

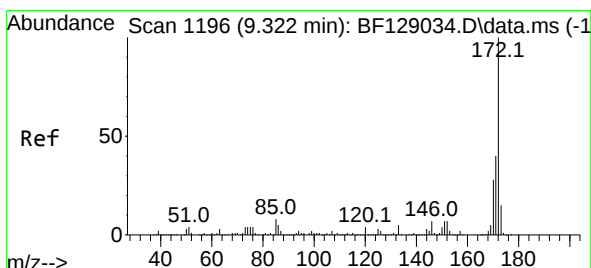
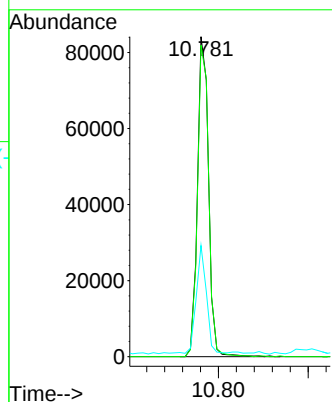
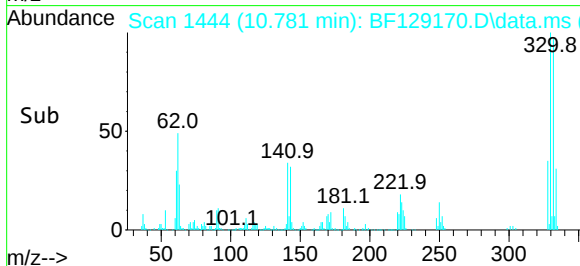


Tgt Ion:330 Resp: 7205
Ion Ratio Lower Upper
330 100
332 98.4 76.8 115.2
141 31.7 28.0 42.0

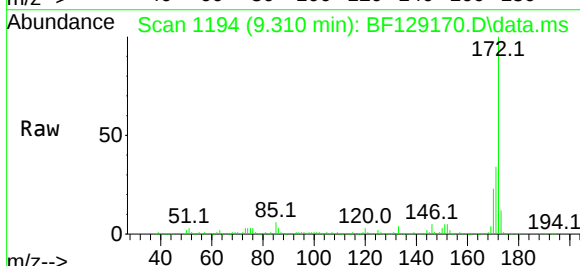
Manual Integrations

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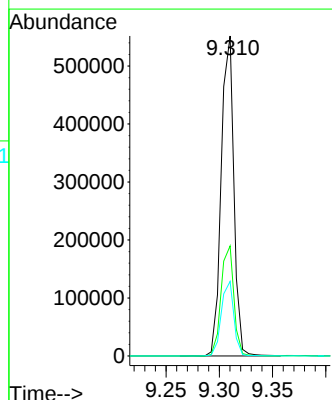
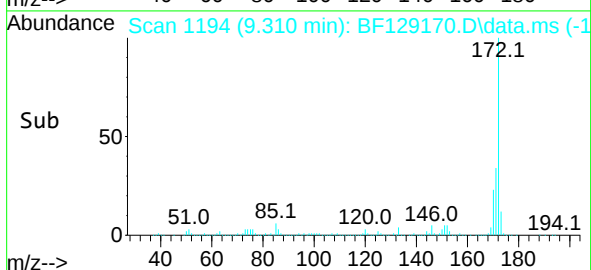
Reviewed By :Christian Giraldo 07/08/2022
Supervised By :Jagrut Upadhyay 07/08/2022

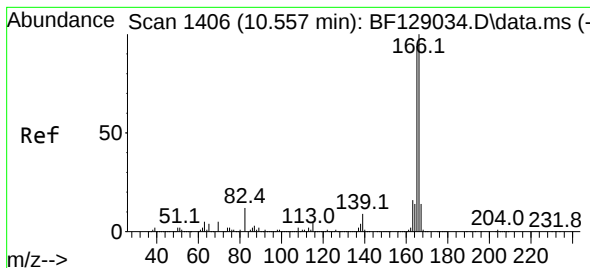


#45
2-Fluorobiphenyl
Concen: 19.187 ng
RT: 9.310 min Scan# 1194
Delta R.T. -0.012 min
Lab File: BF129170.D
Acq: 07 Jul 2022 21:07



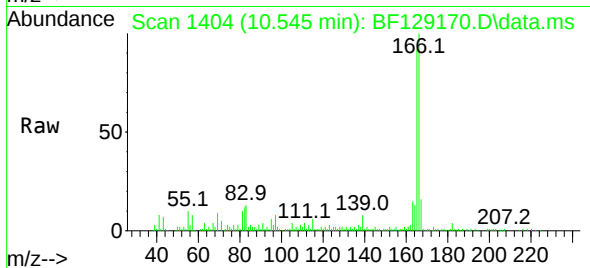
Tgt Ion:172 Resp: 453616
Ion Ratio Lower Upper
172 100
171 34.4 28.8 43.2
170 23.3 19.8 29.8





#58
Fluorene
Concen: 2.057 ng
RT: 10.545 min Scan# 1406
Delta R.T. -0.012 min
Lab File: BF129170.D
Acq: 07 Jul 2022 21:07

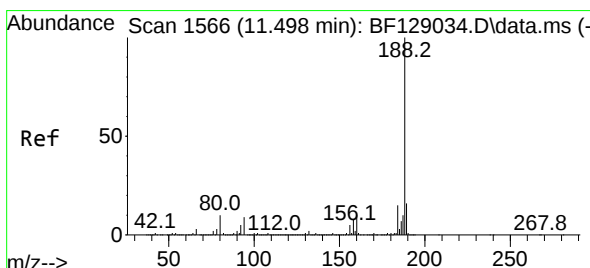
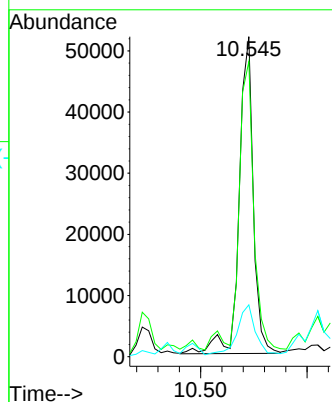
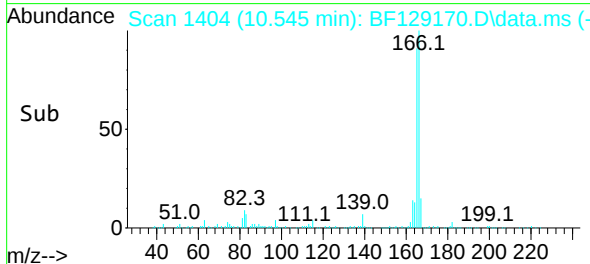
Instrument :
BNA_F
ClientSampleId :
OE-2-070622



Tgt Ion:166 Resp: 4814
Ion Ratio Lower Upper
166 100
165 92.2 78.1 117.1
167 16.2 10.5 15.7

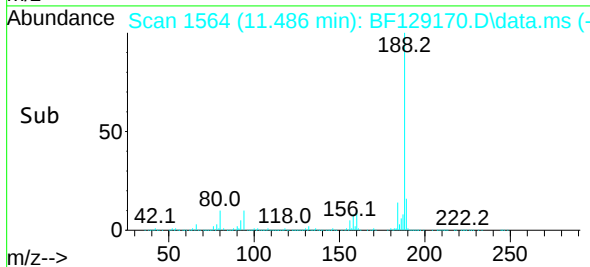
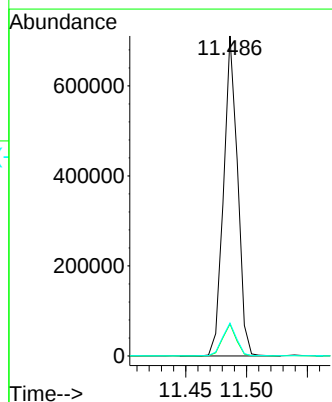
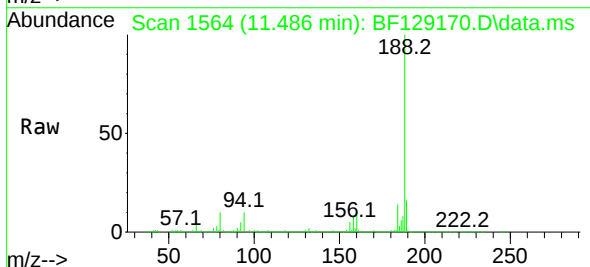
Manual Integrations
APPROVED

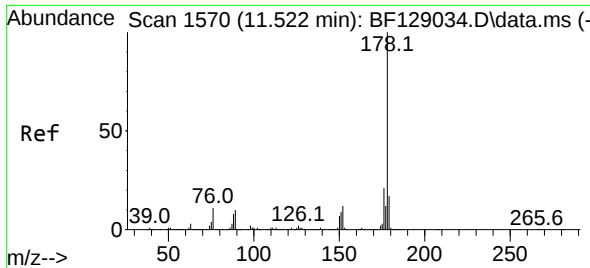
Reviewed By :Christian Giraldo 07/08/2022
Supervised By :Jagrut Upadhyay 07/08/2022



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.486 min Scan# 1564
Delta R.T. -0.012 min
Lab File: BF129170.D
Acq: 07 Jul 2022 21:07

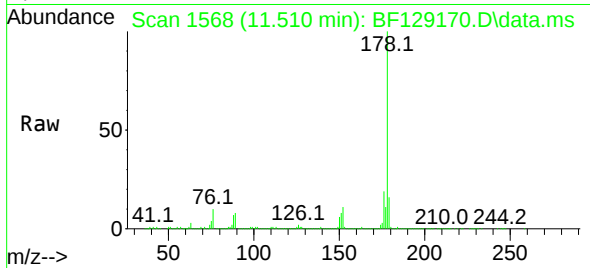
Tgt Ion:188 Resp: 569408
Ion Ratio Lower Upper
188 100
94 10.0 7.0 10.6
80 10.3 7.6 11.4





#71
Phenanthrene
Concen: 21.839 ng
RT: 11.510 min Scan# 11568
Delta R.T. -0.012 min
Lab File: BF129170.D
Acq: 07 Jul 2022 21:07

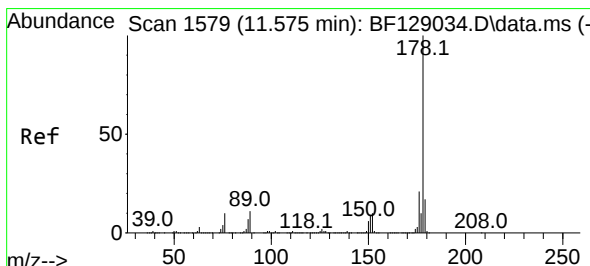
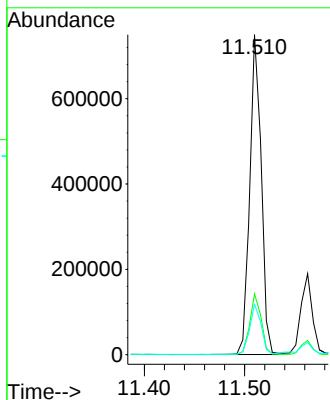
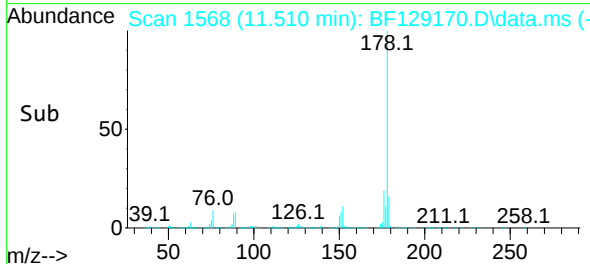
Instrument :
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OE-2-070622



Tgt Ion:178 Resp: 594164
Ion Ratio Lower Upper
178 100
176 19.0 16.0 24.0
179 15.8 12.6 19.0

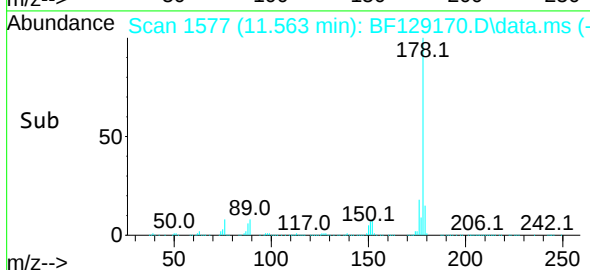
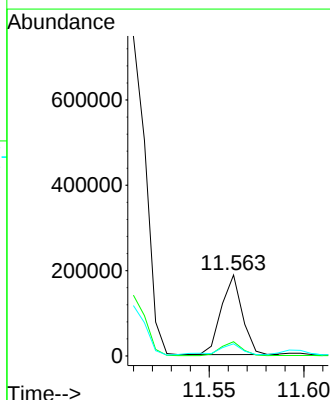
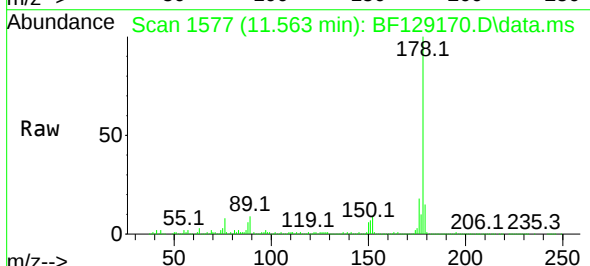
Manual Integrations
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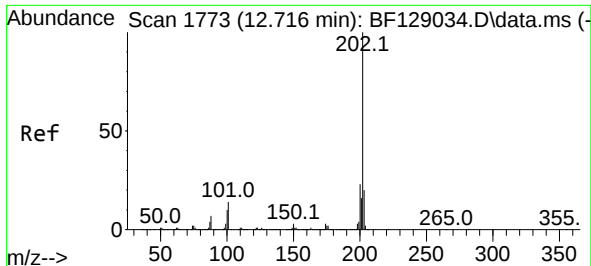
Reviewed By :Christian Giraldo 07/08/2022
Supervised By :Jagrut Upadhyay 07/08/2022



#72
Anthracene
Concen: 5.370 ng
RT: 11.563 min Scan# 1577
Delta R.T. -0.012 min
Lab File: BF129170.D
Acq: 07 Jul 2022 21:07

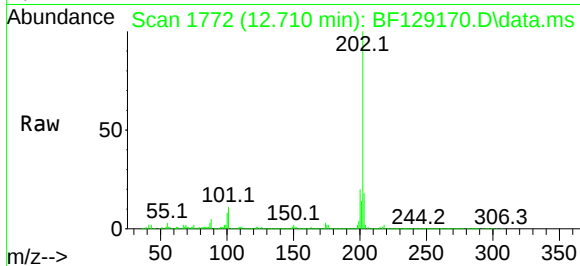
Tgt Ion:178 Resp: 144033
Ion Ratio Lower Upper
178 100
176 17.7 15.4 23.2
179 15.1 12.6 19.0





#75
Fluoranthene
Concen: 35.029 ng
RT: 12.710 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF129170.D
Acq: 07 Jul 2022 21:07

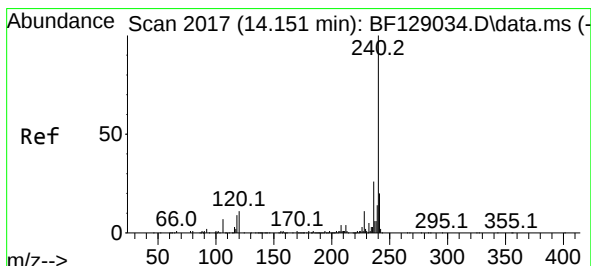
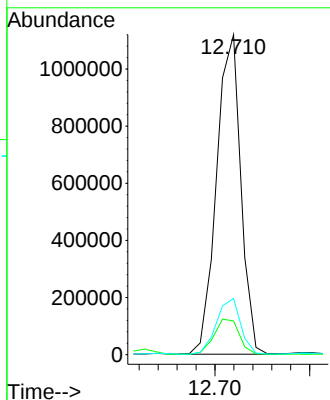
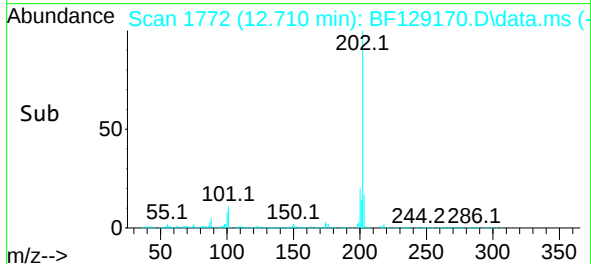
Instrument :
BNA_F
ClientSampleId :
OE-2-070622



Tgt Ion:202 Resp: 996660
Ion Ratio Lower Upper
202 100
101 10.6 0.0 31.4
203 17.5 0.0 38.0

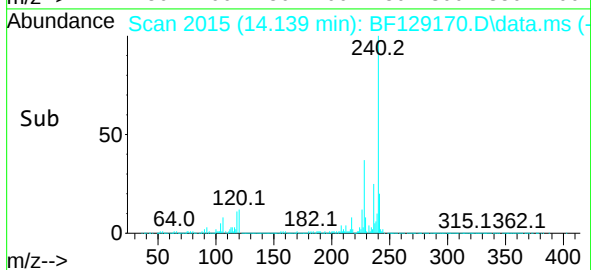
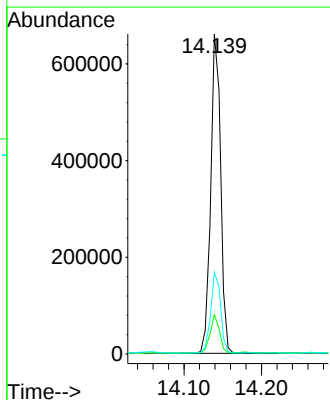
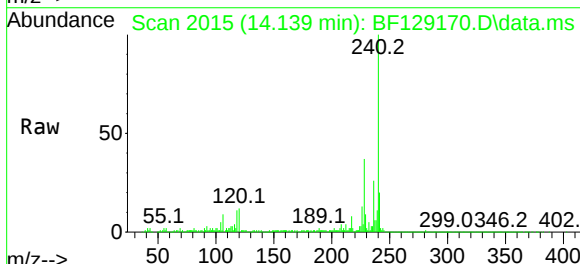
Manual Integrations
APPROVED

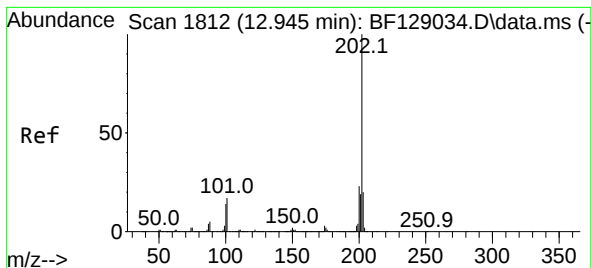
Reviewed By :Christian Giraldo 07/08/2022
Supervised By :Jagrut Upadhyay 07/08/2022



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.139 min Scan# 2015
Delta R.T. -0.012 min
Lab File: BF129170.D
Acq: 07 Jul 2022 21:07

Tgt Ion:240 Resp: 588224
Ion Ratio Lower Upper
240 100
120 12.3 8.9 13.3
236 25.5 20.8 31.2





#78

Pyrene

Concen: 30.235 ng

RT: 12.939 min Scan# 1811

Delta R.T. -0.006 min

Lab File: BF129170.D

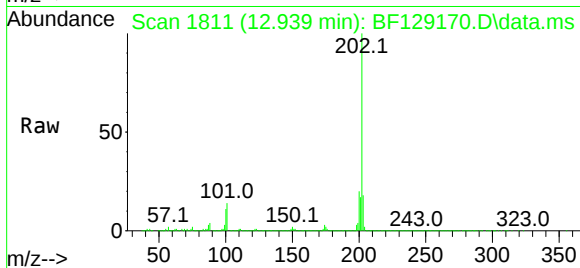
Acq: 07 Jul 2022 21:07

Instrument :

BNA_F

ClientSampleId :

OE-2-070622



Tgt Ion:202 Resp: 1232779

Ion Ratio Lower Upper

202 100

200 20.4 17.7 26.5

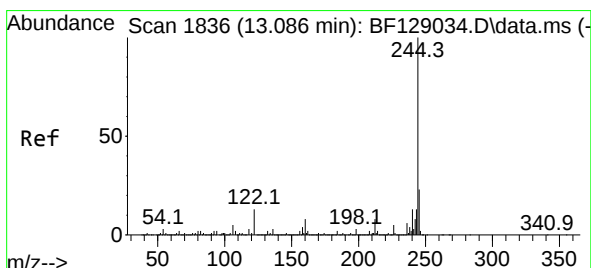
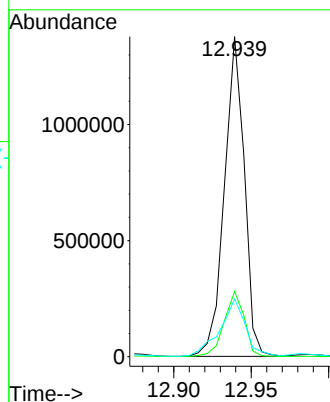
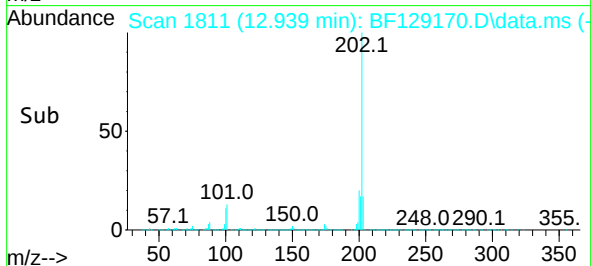
203 18.0 14.6 21.8

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 07/08/2022

Supervised By :Jagrut Upadhyay 07/08/2022



#79

Terphenyl-d14

Concen: 14.820 ng

RT: 13.075 min Scan# 1834

Delta R.T. -0.012 min

Lab File: BF129170.D

Acq: 07 Jul 2022 21:07

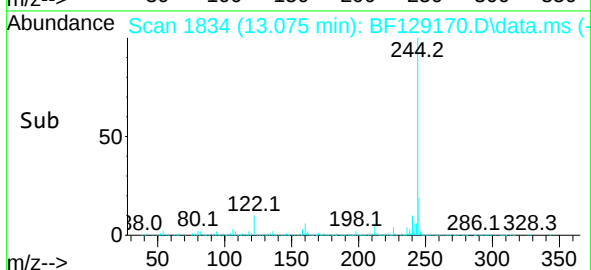
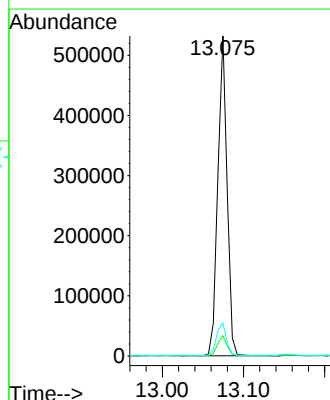
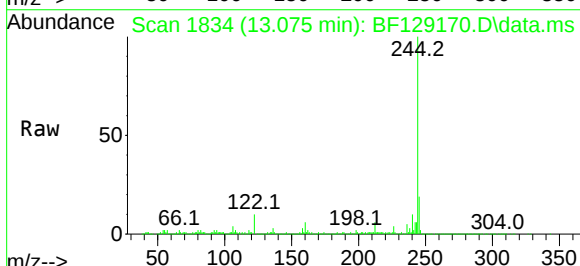
Tgt Ion:244 Resp: 419789

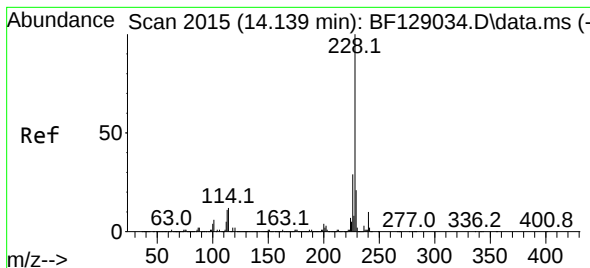
Ion Ratio Lower Upper

244 100

212 6.3 6.1 9.1

122 10.3 8.8 13.2





#81

Benzo(a)anthracene

Concen: 18.887 ng

RT: 14.133 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF129170.D

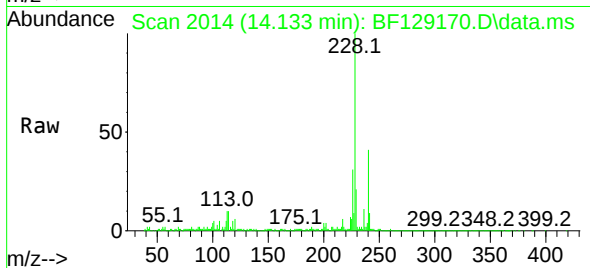
Acq: 07 Jul 2022 21:07

Instrument :

BNA_F

ClientSampleId :

OE-2-070622



Tgt Ion:228 Resp: 67835

Ion Ratio Lower Upper

228 100

226 30.8 22.1 33.1

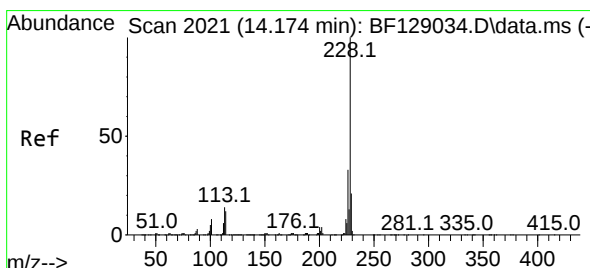
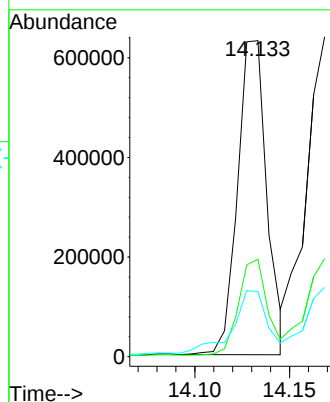
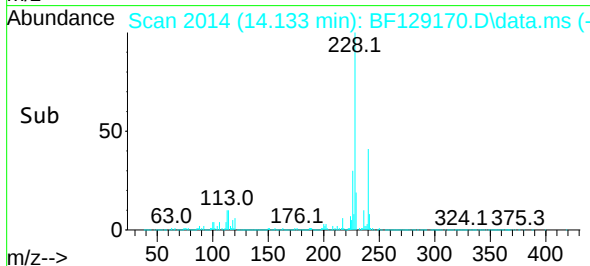
229 20.5 15.8 23.8

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 07/08/2022

Supervised By :Jagrut Upadhyay 07/08/2022



#83

Chrysene

Concen: 19.076 ng

RT: 14.169 min Scan# 2020

Delta R.T. -0.006 min

Lab File: BF129170.D

Acq: 07 Jul 2022 21:07

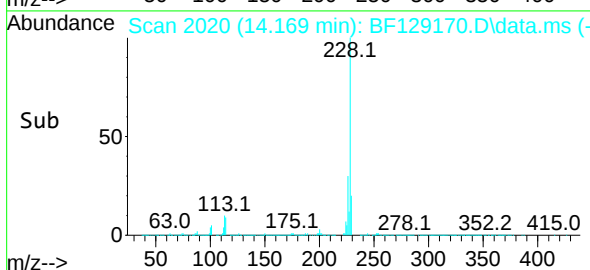
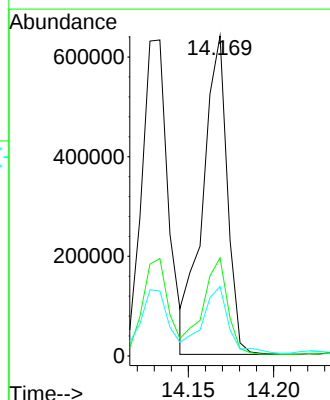
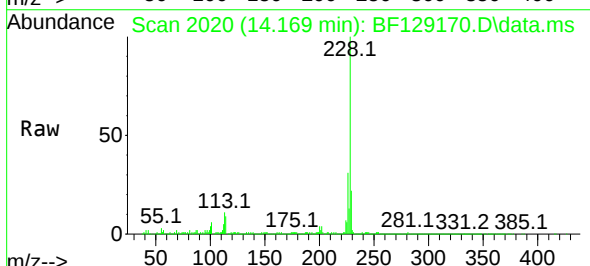
Tgt Ion:228 Resp: 636056

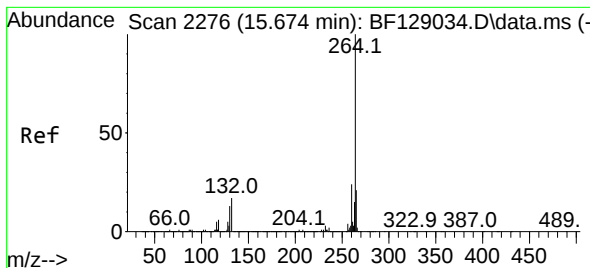
Ion Ratio Lower Upper

228 100

226 30.7 24.3 36.5

229 21.7 15.9 23.9





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.668 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF129170.D

Acq: 07 Jul 2022 21:07

Instrument :

BNA_F

ClientSampleId :

OE-2-070622

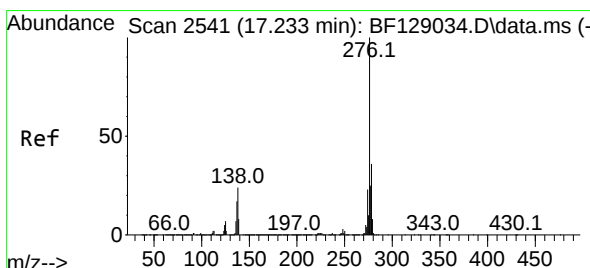
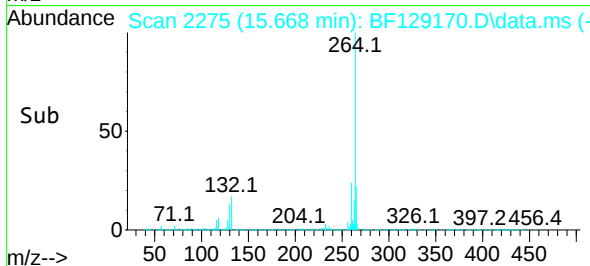
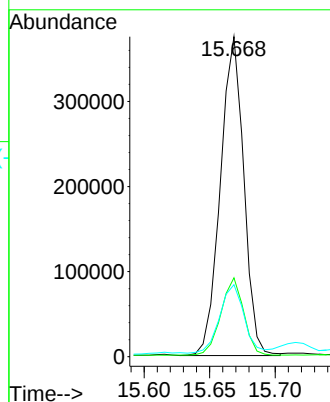
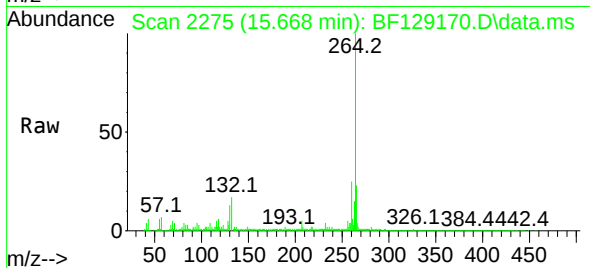
Tgt Ion:264 Resp: 465511
 Ion Ratio Lower Upper
 264 100
 260 24.6 18.4 27.6
 265 22.5 17.2 25.8

Manual Integrations

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Reviewed By :Christian Giraldo 07/08/2022

Supervised By :Jagrut Upadhyay 07/08/2022



#87

Indeno(1,2,3-cd)pyrene

Concen: 9.165 ng m

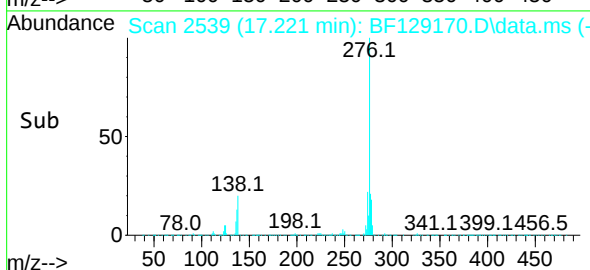
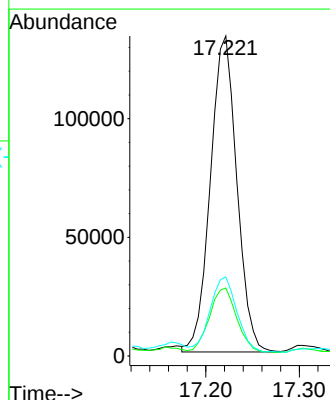
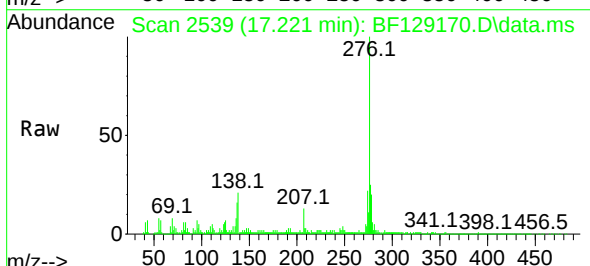
RT: 17.221 min Scan# 2539

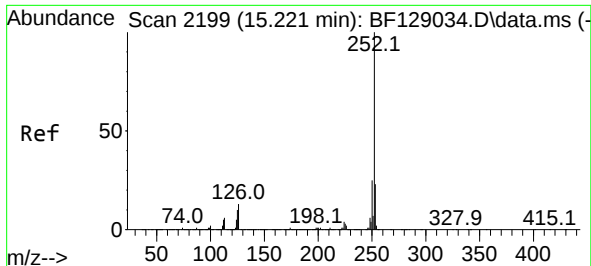
Delta R.T. -0.012 min

Lab File: BF129170.D

Acq: 07 Jul 2022 21:07

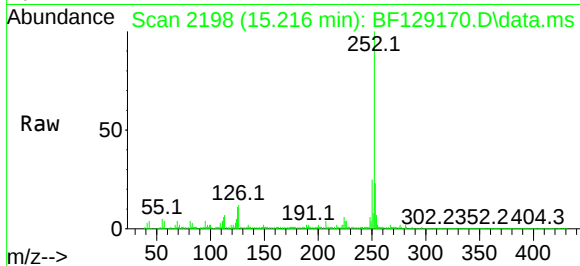
Tgt Ion:276 Resp: 261677
 Ion Ratio Lower Upper
 276 100
 138 5.5 21.1 31.7#
 277 4.8 20.3 30.5#





#88
Benzo(b)fluoranthene
Concen: 25.799 ng m
RT: 15.216 min Scan# 2199
Delta R.T. -0.006 min
Lab File: BF129170.D
Acq: 07 Jul 2022 21:07

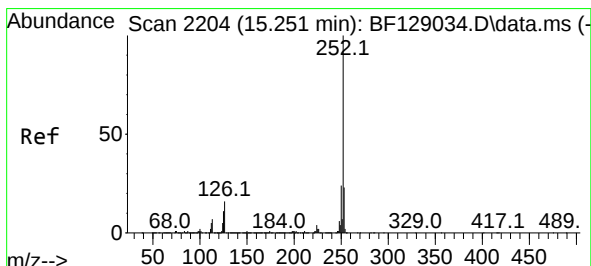
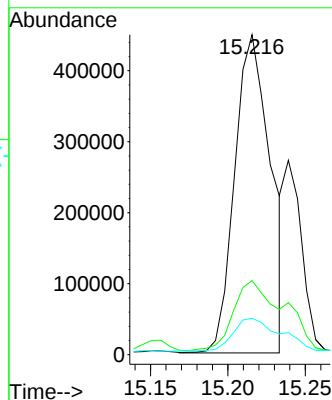
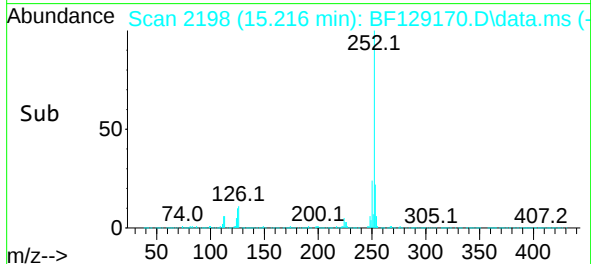
Instrument :
BNA_F
ClientSampleId :
OE-2-070622



Tgt Ion:252 Resp: 722258
Ion Ratio Lower Upper
252 100
253 23.2 17.7 26.5
125 11.4 8.0 12.0

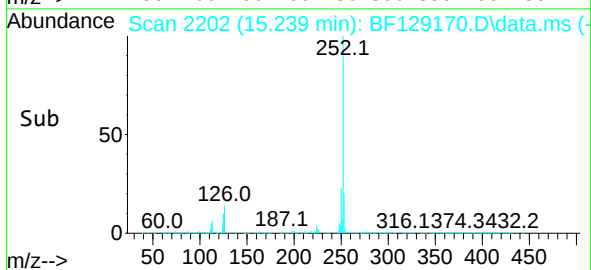
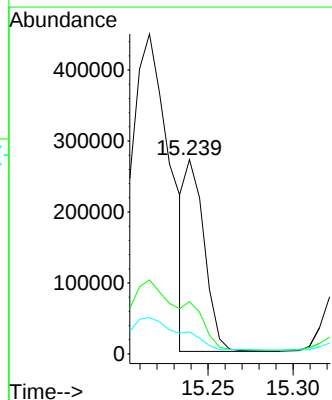
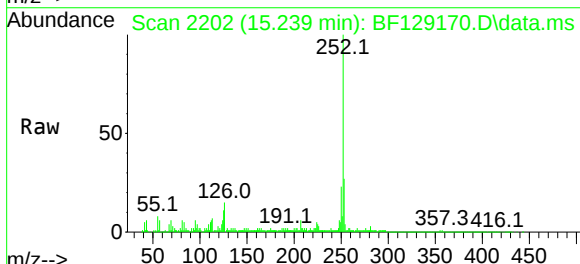
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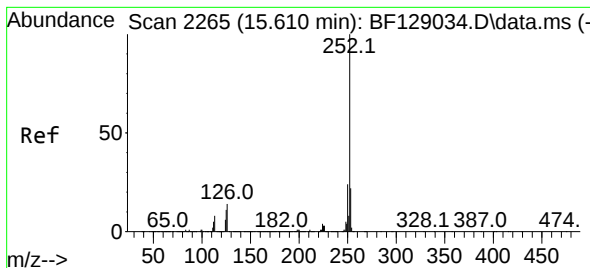
Reviewed By :Christian Giraldo 07/08/2022
Supervised By :Jagrut Upadhyay 07/08/2022



#89
Benzo(k)fluoranthene
Concen: 7.795 ng m
RT: 15.239 min Scan# 2202
Delta R.T. -0.012 min
Lab File: BF129170.D
Acq: 07 Jul 2022 21:07

Tgt Ion:252 Resp: 211674
Ion Ratio Lower Upper
252 100
253 26.9 17.8 26.6#
125 11.4 8.3 12.5





#90

Benzo(a)pyrene

Concen: 21.641 ng

RT: 15.604 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF129170.D

Acq: 07 Jul 2022 21:07

Instrument :

BNA_F

ClientSampleId :

OE-2-070622

Tgt Ion:252 Resp: 49391

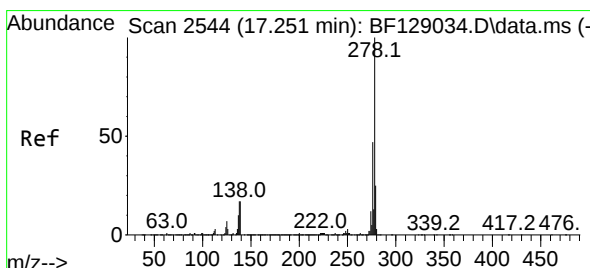
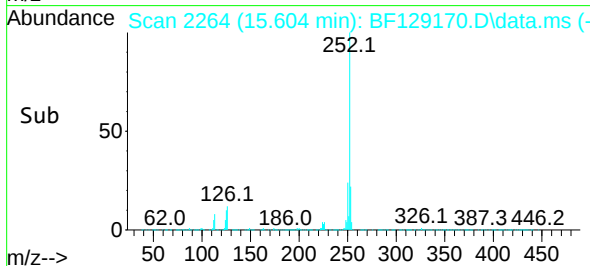
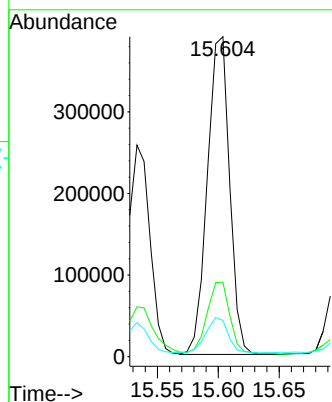
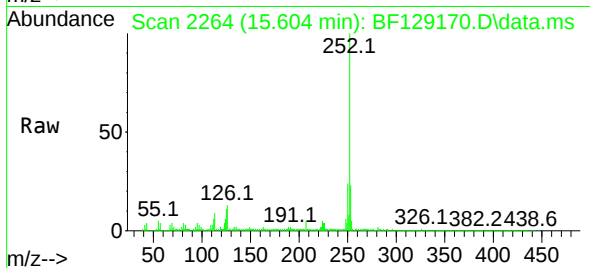
Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.0	25.6
125	11.3	8.8	13.2

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 07/08/2022

Supervised By :Jagrut Upadhyay 07/08/2022



#91

Dibenzo(a,h)anthracene

Concen: 2.904 ng

RT: 17.233 min Scan# 2541

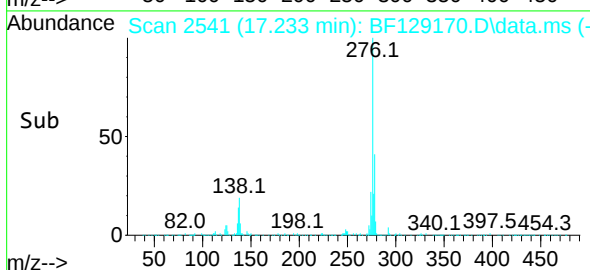
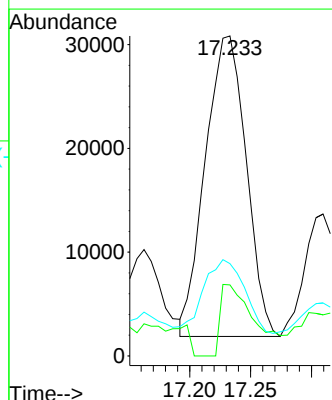
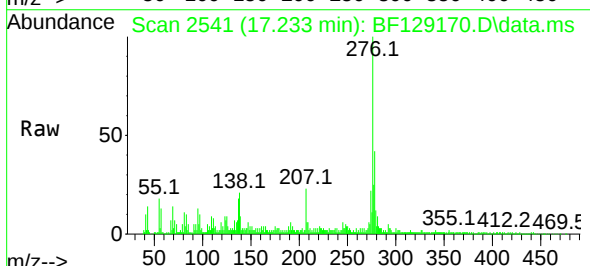
Delta R.T. -0.018 min

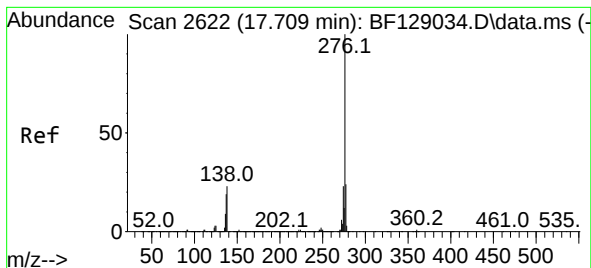
Lab File: BF129170.D

Acq: 07 Jul 2022 21:07

Tgt Ion:278 Resp: 67584

Ion	Ratio	Lower	Upper
278	100		
139	22.2	12.8	19.2#
279	28.8	18.6	28.0#





#92

Benzo(g,h,i)perylene

Concen: 10.547 ng

RT: 17.692 min Scan# 20

Delta R.T. -0.018 min

Lab File: BF129170.D

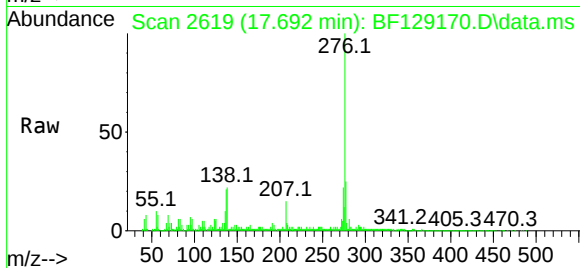
Acq: 07 Jul 2022 21:07

Instrument :

BNA_F

ClientSampleId :

OE-2-070622



Tgt Ion: 276 Resp: 24628

Ion Ratio Lower Upper

276 100

277 24.7 19.1 28.7

138 22.0 18.0 27.0

Manual Integrations

APPROVED

Reviewed By : Christian Giraldo 07/08/2022

Supervised By : Jagrut Upadhyay 07/08/2022

