

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070822\
 Data File : BF129178.D
 Acq On : 08 Jul 2022 16:40
 Operator : CG\JU
 Sample : N3622-10
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 20220503-FIELD-DUP-COMPOSITE

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 07/11/2022
 Supervised By :mohammad ahmed 07/11/2022

Quant Time: Jul 08 23:24:30 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062922.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 08 23:22:06 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.945	152	278339	20.000	ng	0.00
21) Naphthalene-d8	8.228	136	1054743	20.000	ng	0.00
39) Acenaphthene-d10	9.986	164	535070	20.000	ng	0.00
64) Phenanthrene-d10	11.480	188	894508	20.000	ng	0.00
76) Chrysene-d12	14.133	240	522643	20.000	ng	0.00
86) Perylene-d12	15.651	264	559767	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.569	112	1660580	100.864	ng	0.00
7) Phenol-d6	6.569	99	2045866	100.056	ng	0.00
23) Nitrobenzene-d5	7.510	82	1210334	68.445	ng	0.00
42) 2,4,6-Tribromophenol	10.781	330	592001	101.752	ng	0.00
45) 2-Fluorobiphenyl	9.304	172	2096262	62.675	ng	0.00
79) Terphenyl-d14	13.069	244	1749087	69.497	ng	0.00
Target Compounds						
						Qvalue
71) Phenanthrene	11.504	178	384513	8.997	ng	99
75) Fluoranthene	12.698	202	411409	9.204	ng	99
78) Pyrene	12.927	202	391363	10.803	ng	97
81) Benzo(a)anthracene	14.121	228	141128	4.422	ng	97
83) Chrysene	14.157	228	137654	4.646	ng	96
88) Benzo(b)fluoranthene	15.198	252	158988m	4.723	ng	
90) Benzo(a)pyrene	15.586	252	127895	4.660	ng	96
92) Benzo(g,h,i)perylene	17.662	276	84607	3.013	ng	99

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

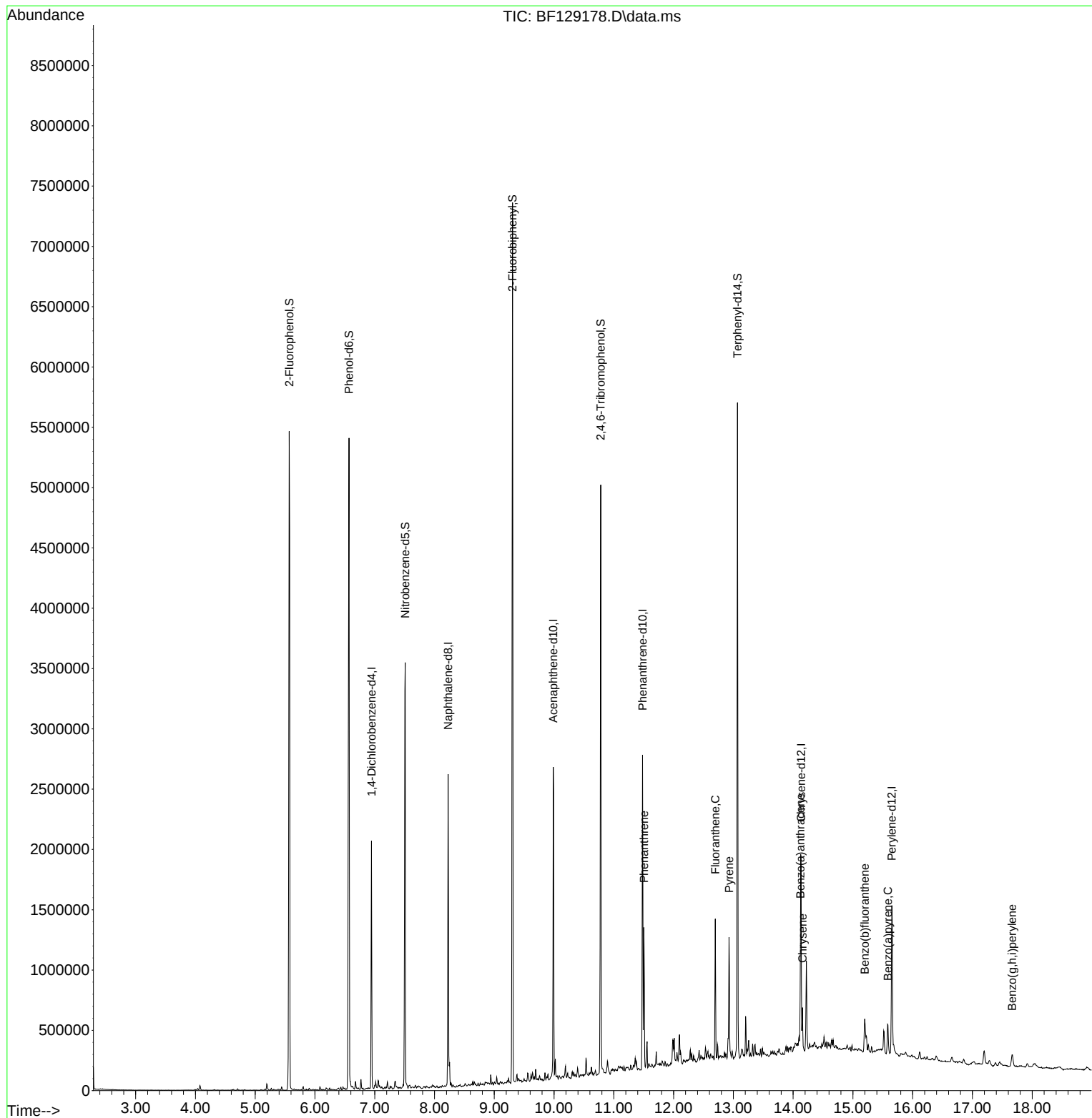
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070822\
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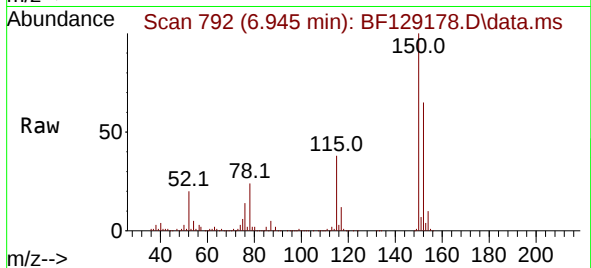
Reviewed By :Jagrut Upadhyay 07/11/2022
Supervised By :mohammad ahmed 07/11/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.945 min Scan# 795
Delta R.T. -0.006 min
Lab File: BF129178.D
Acq: 08 Jul 2022 16:40

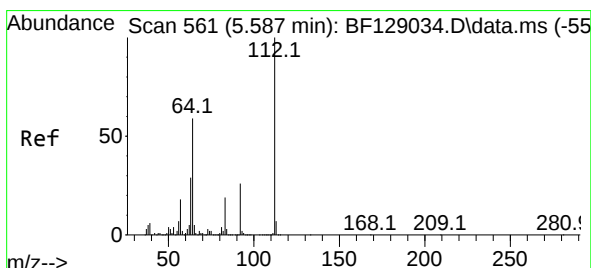
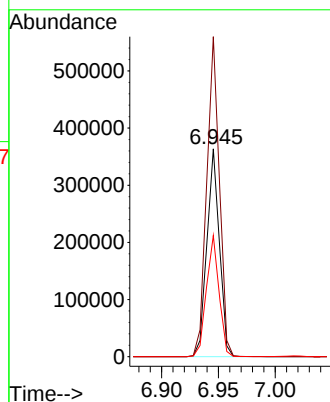
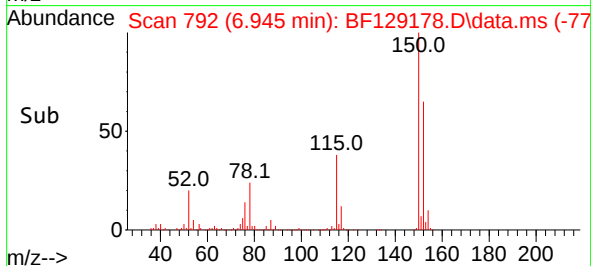
Instrument : BNA_F
ClientSampleId : 20220503-FIELD-DUP-COMPOSITE



Tgt Ion:152 Resp: 278339
Ion Ratio Lower Upper
152 100
150 154.0 123.7 185.5
115 58.2 49.9 74.9

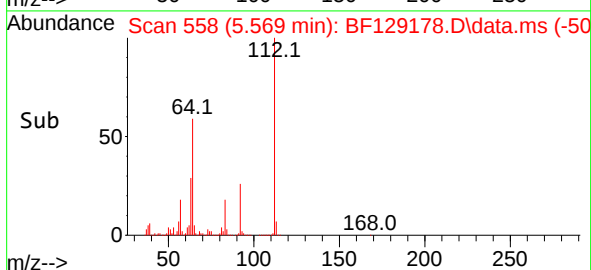
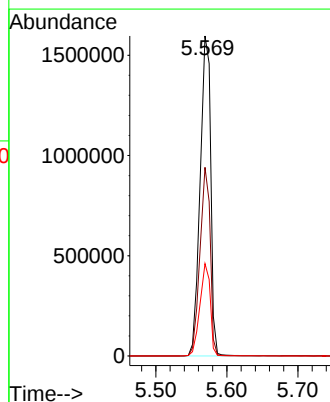
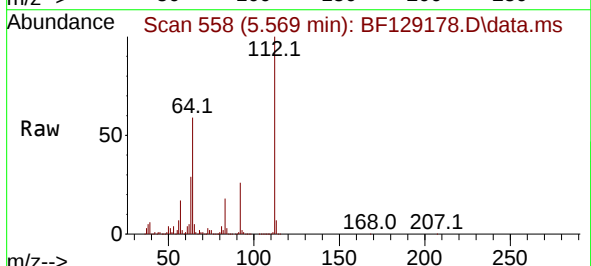
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Supervised By :mohammad ahmed 07/11/2022



#5
2-Fluorophenol
Concen: 100.864 ng
RT: 5.569 min Scan# 558
Delta R.T. -0.006 min
Lab File: BF129178.D
Acq: 08 Jul 2022 16:40

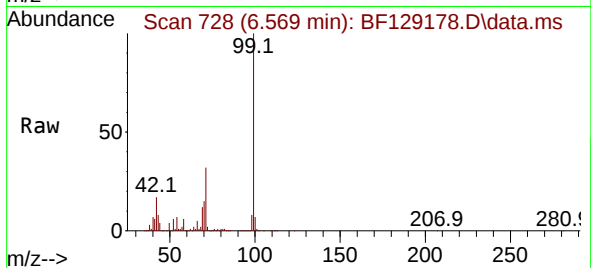
Tgt Ion:112 Resp: 1660580
Ion Ratio Lower Upper
112 100
64 58.9 53.3 79.9
63 28.8 28.0 42.0





#7
Phenol-d6
Concen: 100.056 ng
RT: 6.569 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF129178.D
Acq: 08 Jul 2022 16:40

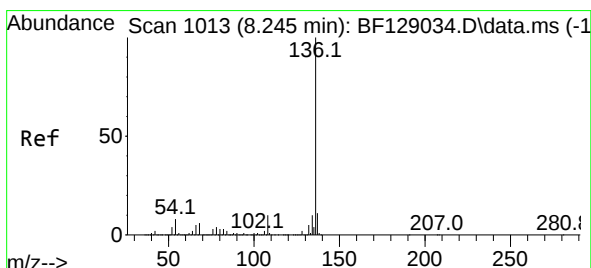
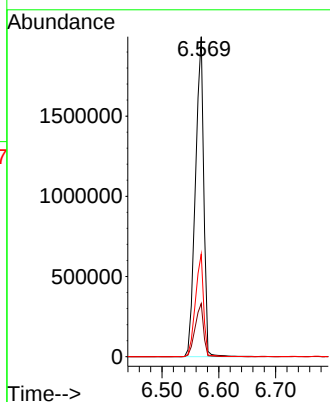
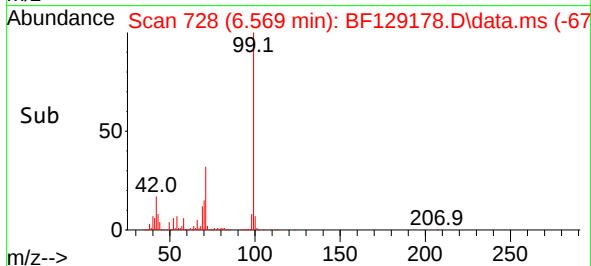
Instrument :
BNA_F
ClientSampleId :
20220503-FIELD-DUP-COMPOSITE



Tgt Ion: 99 Resp: 2045860
Ion Ratio Lower Upper
99 100
42 16.6 17.3 25.9
71 32.1 28.9 43.3

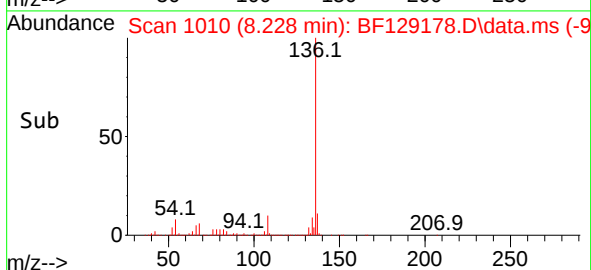
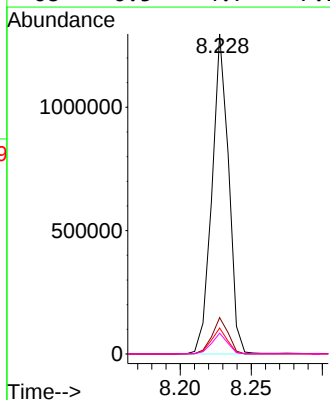
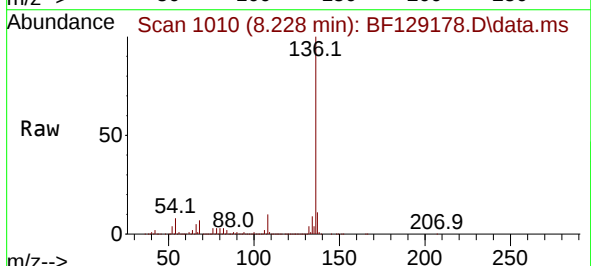
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Supervised By :mohammad ahmed 07/11/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.228 min Scan# 1010
Delta R.T. -0.006 min
Lab File: BF129178.D
Acq: 08 Jul 2022 16:40

Tgt Ion:136 Resp: 1054743
Ion Ratio Lower Upper
136 100
137 11.4 8.8 13.2
54 8.1 7.5 11.3
68 6.5 4.7 7.1





#23

Nitrobenzene-d5

Concen: 68.445 ng

RT: 7.510 min Scan# 81

Delta R.T. -0.006 min

Lab File: BF129178.D

Acq: 08 Jul 2022 16:40

Instrument :

BNA_F

ClientSampleId :

20220503-FIELD-DUP-COMPOSITE

Tgt Ion: 82 Resp: 1210334

Ion Ratio Lower Upper

82 100

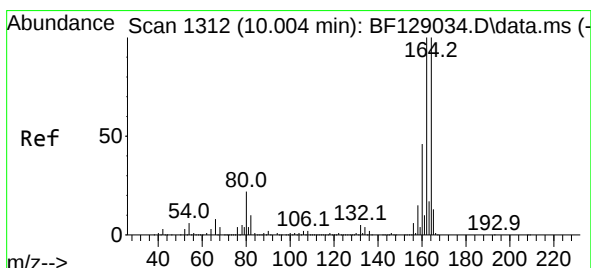
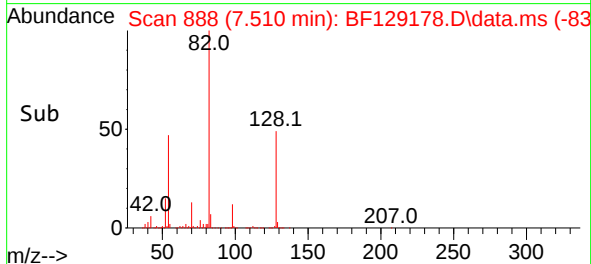
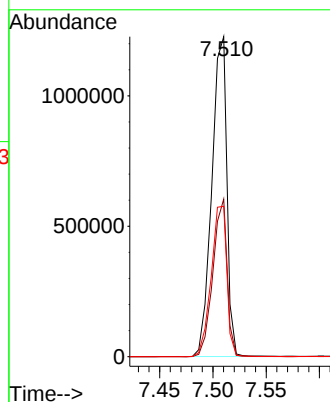
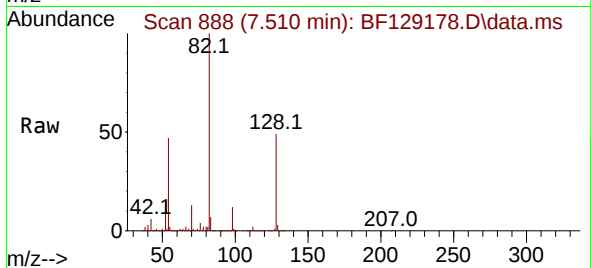
128 49.2 34.0 51.0

54 47.0 46.9 70.3

Manual Integrations

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.986 min Scan# 1309

Delta R.T. -0.006 min

Lab File: BF129178.D

Acq: 08 Jul 2022 16:40

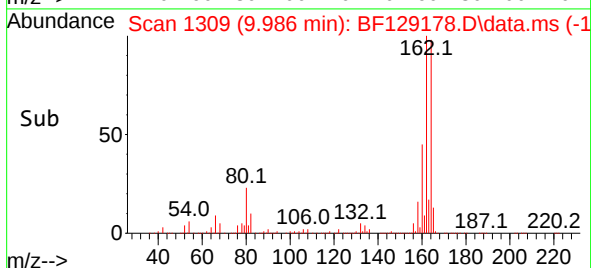
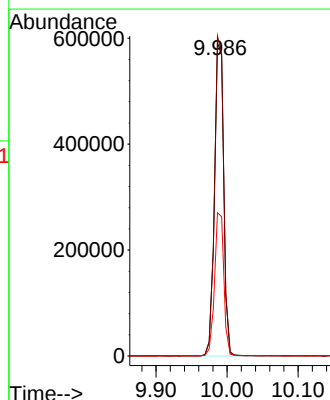
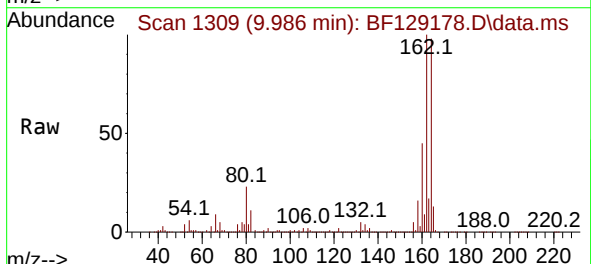
Tgt Ion:164 Resp: 535070

Ion Ratio Lower Upper

164 100

162 102.2 79.5 119.3

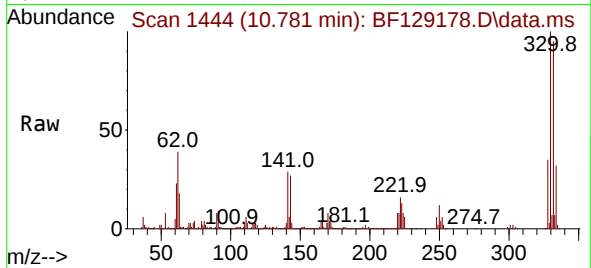
160 45.7 34.2 51.4





#42
2,4,6-Tribromophenol
Concen: 101.752 ng
RT: 10.781 min Scan# 1444
Delta R.T. -0.006 min
Lab File: BF129178.D
Acq: 08 Jul 2022 16:40

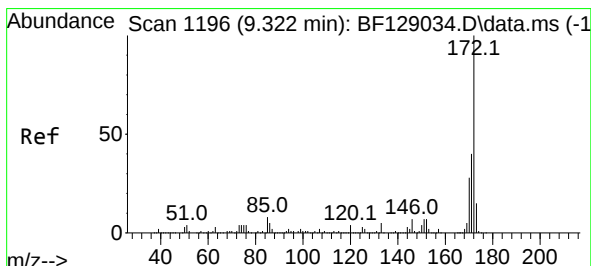
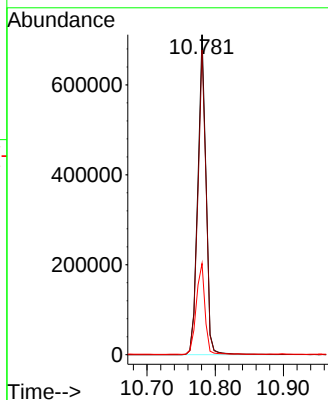
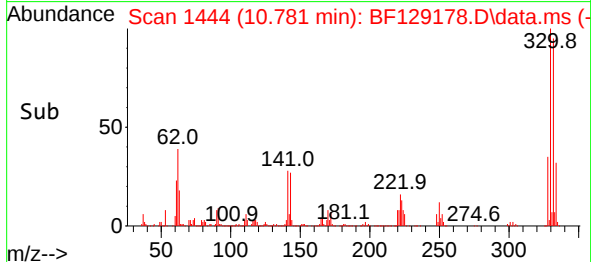
Instrument : BNA_F
ClientSampleId : 20220503-FIELD-DUP-COMPOSITE



Tgt Ion:330 Resp: 59200
Ion Ratio Lower Upper
330 100
332 95.5 76.8 115.2
141 30.0 28.0 42.0

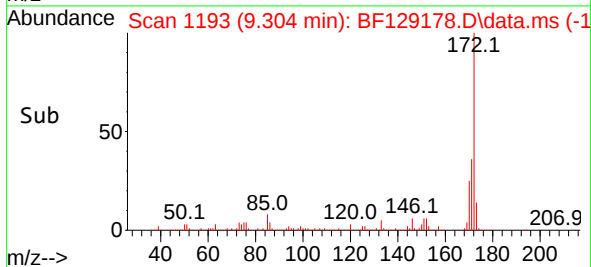
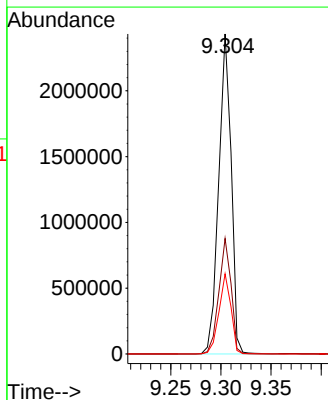
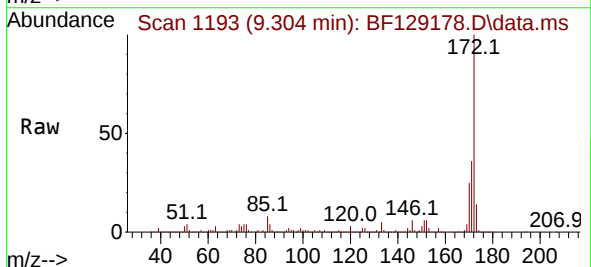
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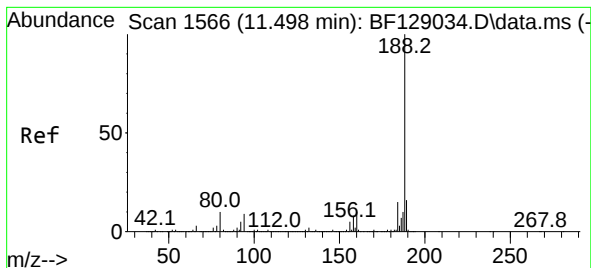
Reviewed By :Jagrut Upadhyay 07/11/2022
Supervised By :mohammad ahmed 07/11/2022



#45
2-Fluorobiphenyl
Concen: 62.675 ng
RT: 9.304 min Scan# 1193
Delta R.T. -0.006 min
Lab File: BF129178.D
Acq: 08 Jul 2022 16:40

Tgt Ion:172 Resp: 2096262
Ion Ratio Lower Upper
172 100
171 36.1 28.8 43.2
170 25.0 19.8 29.8





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.480 min Scan# 1566

Delta R.T. -0.006 min

Lab File: BF129178.D

Acq: 08 Jul 2022 16:40

Instrument :

BNA_F

ClientSampleId :

20220503-FIELD-DUP-COMPOSITE

Tgt Ion:188 Resp: 894508

Ion Ratio Lower Upper

188 100

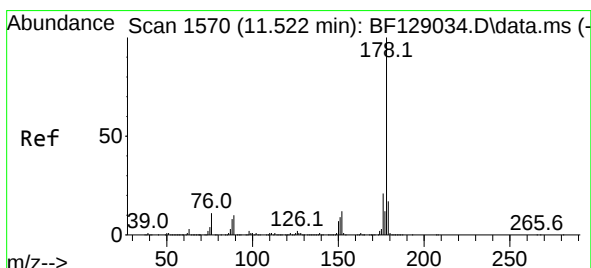
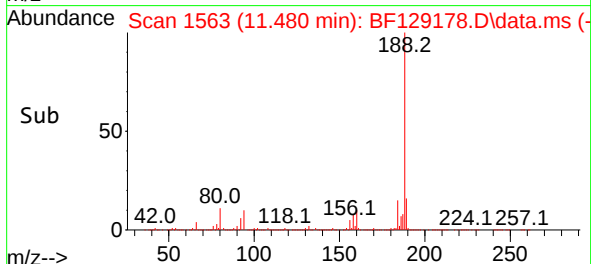
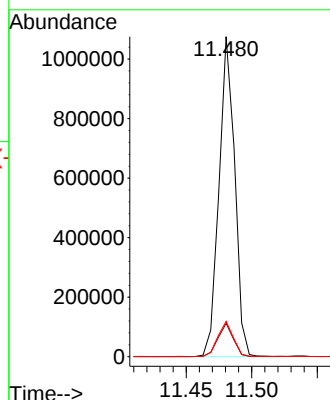
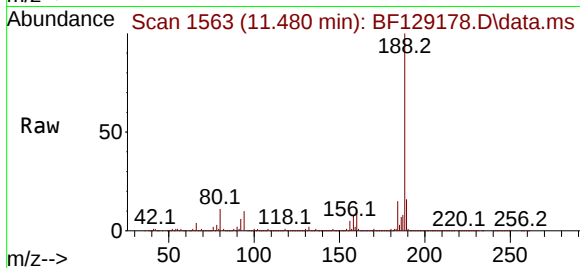
94 10.4 7.0 10.6

80 11.1 7.6 11.4

Manual Integrations

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Supervised By :mohammad ahmed 07/11/2022



#71

Phenanthrene

Concen: 8.997 ng

RT: 11.504 min Scan# 1567

Delta R.T. -0.006 min

Lab File: BF129178.D

Acq: 08 Jul 2022 16:40

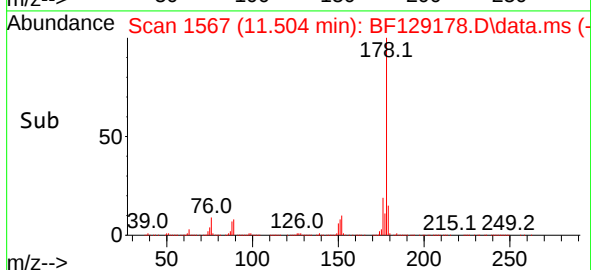
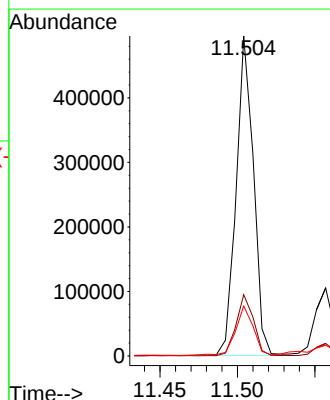
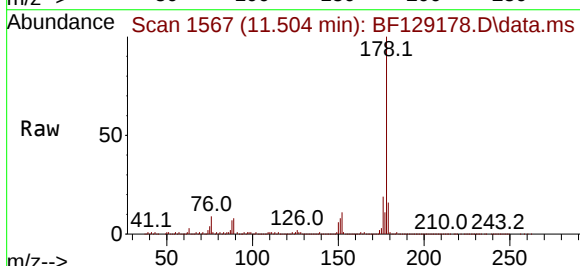
Tgt Ion:178 Resp: 384513

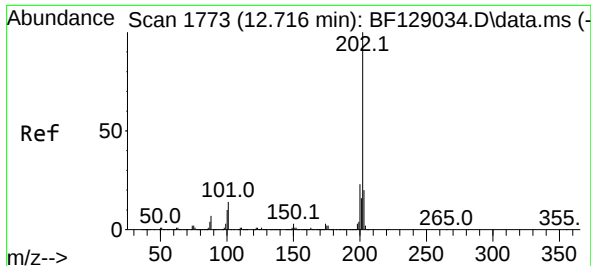
Ion Ratio Lower Upper

178 100

176 19.2 16.0 24.0

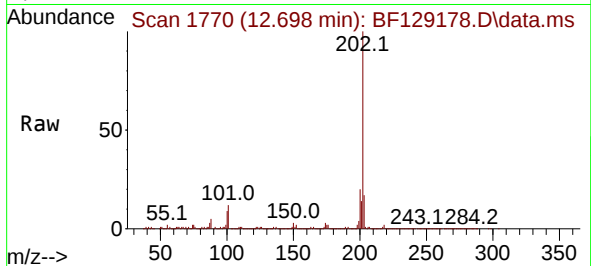
179 15.6 12.6 19.0





#75
Fluoranthene
Concen: 9.204 ng
RT: 12.698 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF129178.D
Acq: 08 Jul 2022 16:40

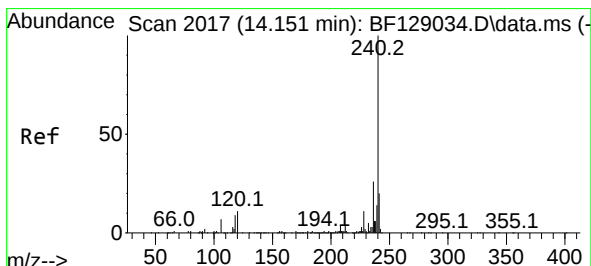
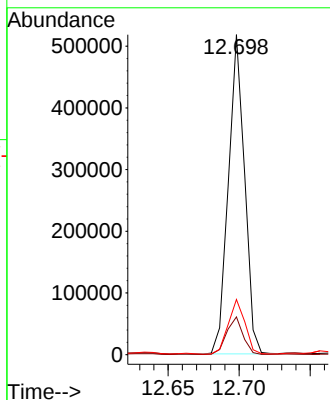
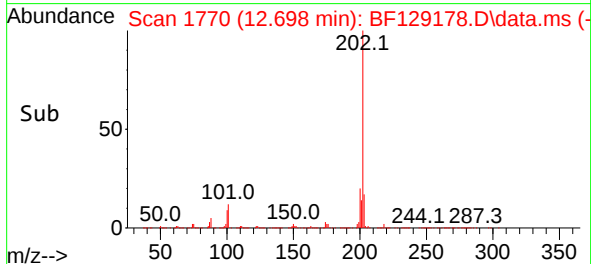
Instrument :
BNA_F
ClientSampleId :
20220503-FIELD-DUP-COMPOSITE



Tgt Ion:202 Resp: 411409
Ion Ratio Lower Upper
202 100
101 11.8 0.0 31.4
203 17.3 0.0 38.0

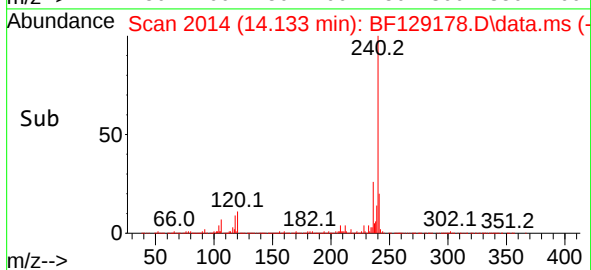
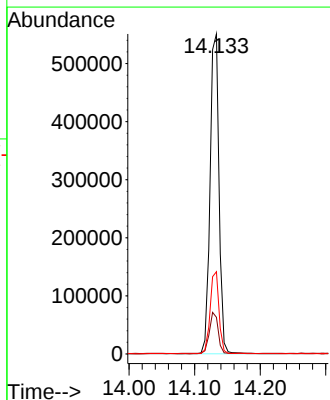
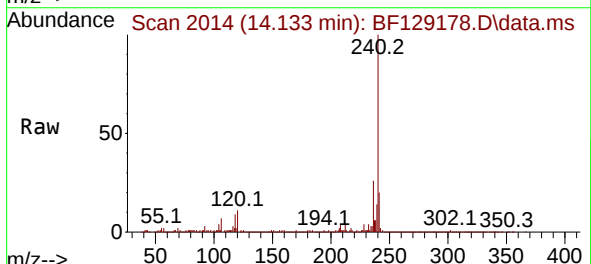
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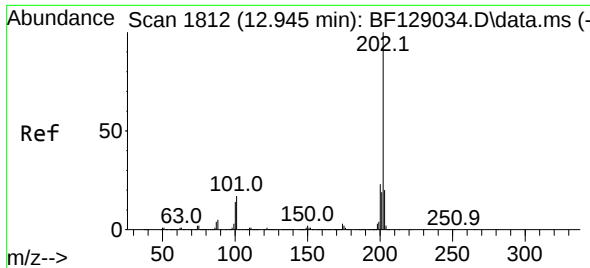
Reviewed By :Jagrut Upadhyay 07/11/2022
Supervised By :mohammad ahmed 07/11/2022



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.133 min Scan# 2014
Delta R.T. -0.006 min
Lab File: BF129178.D
Acq: 08 Jul 2022 16:40

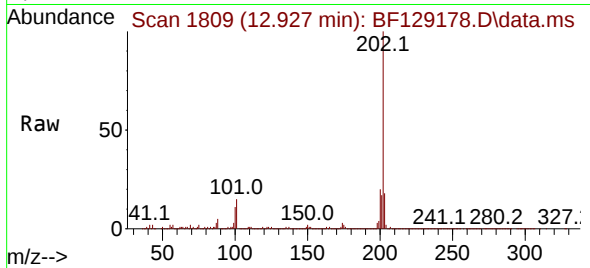
Tgt Ion:240 Resp: 522643
Ion Ratio Lower Upper
240 100
120 11.4 8.9 13.3
236 25.7 20.8 31.2





#78
Pyrene
Concen: 10.803 ng
RT: 12.927 min Scan# 1809
Delta R.T. -0.006 min
Lab File: BF129178.D
Acq: 08 Jul 2022 16:40

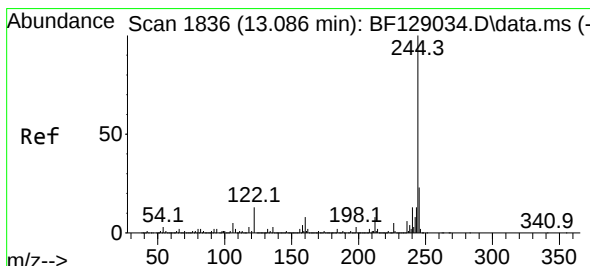
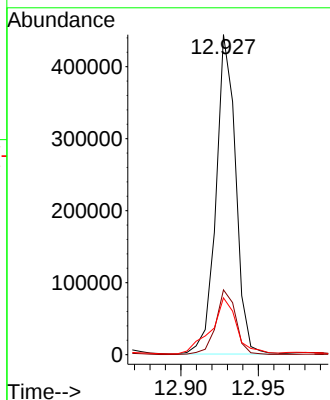
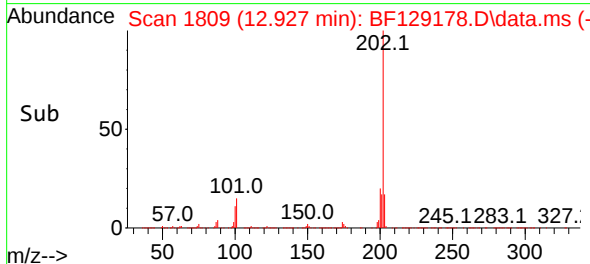
Instrument :
BNA_F
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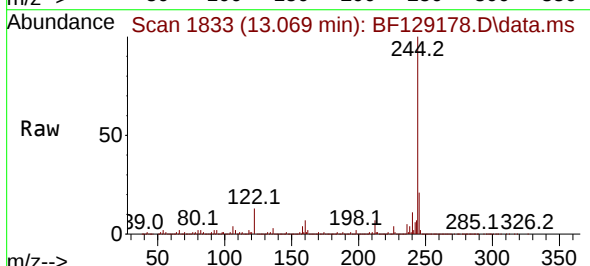
Tgt Ion:202 Resp: 39136
Ion Ratio Lower Upper
202 100
200 20.3 17.7 26.5
203 17.8 14.6 21.8

Manual Integrations
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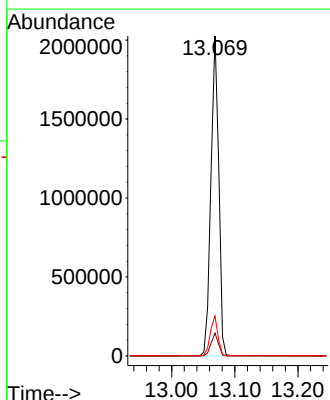
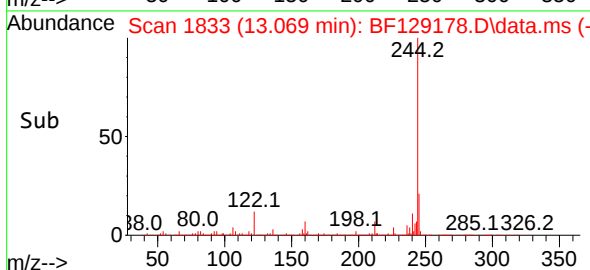
Reviewed By :Jagrut Upadhyay 07/11/2022
Supervised By :mohammad ahmed 07/11/2022

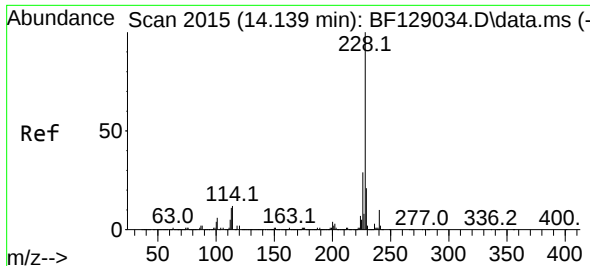


#79
Terphenyl-d14
Concen: 69.497 ng
RT: 13.069 min Scan# 1833
Delta R.T. -0.006 min
Lab File: BF129178.D
Acq: 08 Jul 2022 16:40



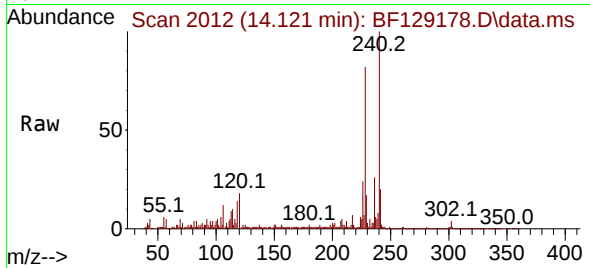
Tgt Ion:244 Resp: 1749087
Ion Ratio Lower Upper
244 100
212 7.2 6.1 9.1
122 12.5 8.8 13.2





#81
Benzo(a)anthracene
Concen: 4.422 ng
RT: 14.121 min Scan# 2012
Delta R.T. -0.006 min
Lab File: BF129178.D
Acq: 08 Jul 2022 16:40

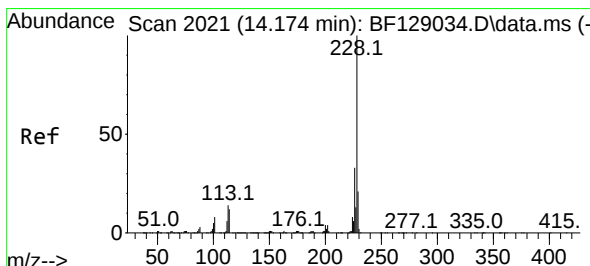
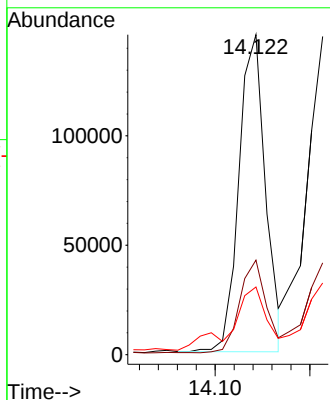
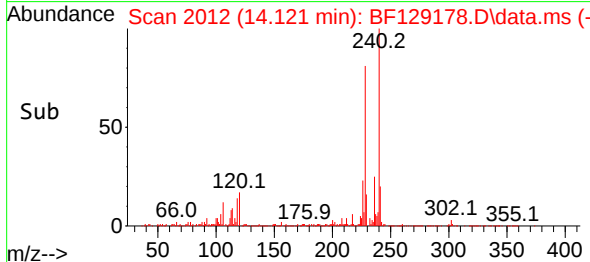
Instrument : BNA_F
ClientSampleId : 20220503-FIELD-DUP-COMPOSITE



Tgt Ion:228 Resp: 141128
Ion Ratio Lower Upper
228 100
226 29.5 22.1 33.1
229 21.2 15.8 23.8

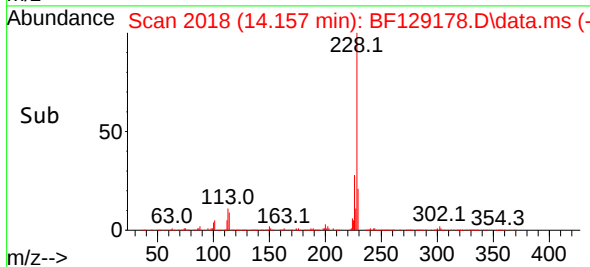
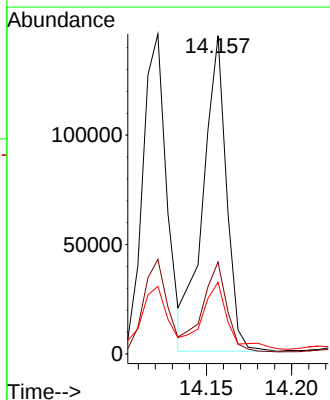
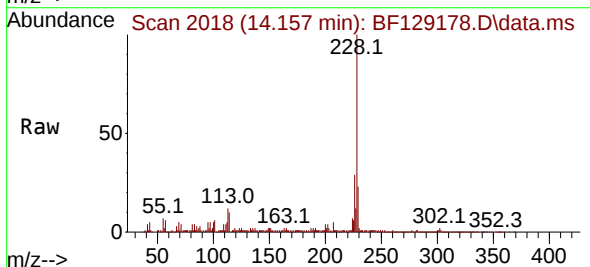
Manual Integrations
APPROVED

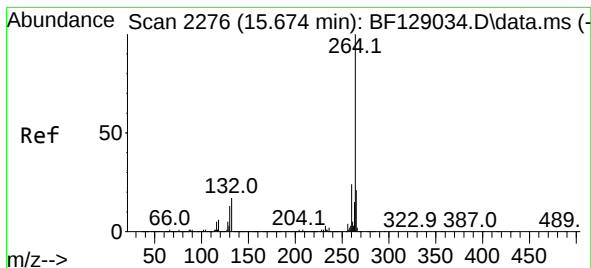
Reviewed By :Jagrut Upadhyay 07/11/2022
Supervised By :mohammad ahmed 07/11/2022



#83
Chrysene
Concen: 4.646 ng
RT: 14.157 min Scan# 2018
Delta R.T. -0.006 min
Lab File: BF129178.D
Acq: 08 Jul 2022 16:40

Tgt Ion:228 Resp: 137654
Ion Ratio Lower Upper
228 100
226 28.9 24.3 36.5
229 22.5 15.9 23.9





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.651 min Scan# 2195

Delta R.T. -0.006 min

Lab File: BF129178.D

Acq: 08 Jul 2022 16:40

Instrument :

BNA_F

ClientSampleId :

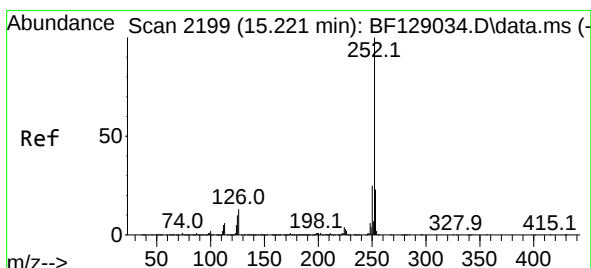
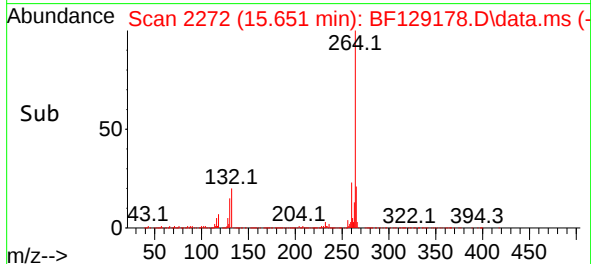
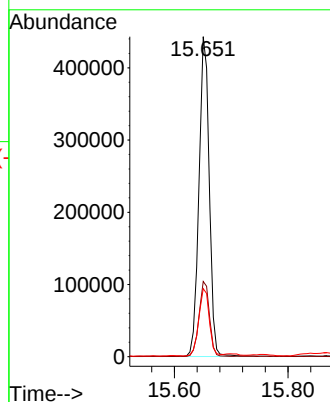
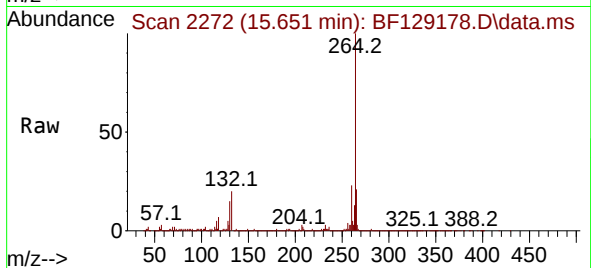
20220503-FIELD-DUP-COMPOSITE

Tgt Ion:264 Resp: 55976
 Ion Ratio Lower Upper
 264 100
 260 23.5 18.4 27.6
 265 21.2 17.2 25.8

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 07/11/2022
 Supervised By :mohammad ahmed 07/11/2022



#88

Benzo(b)fluoranthene

Concen: 4.723 ng m

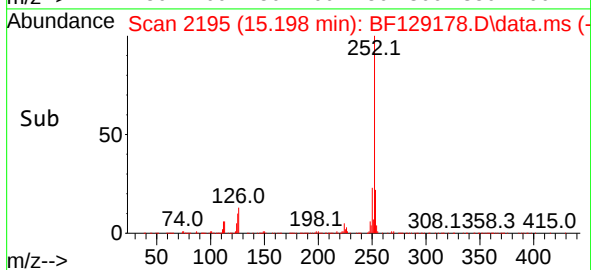
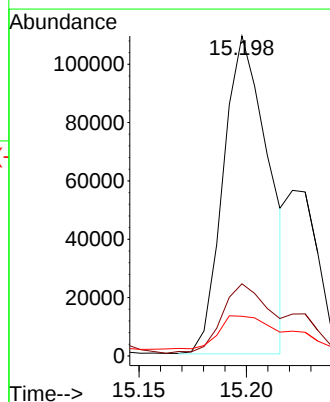
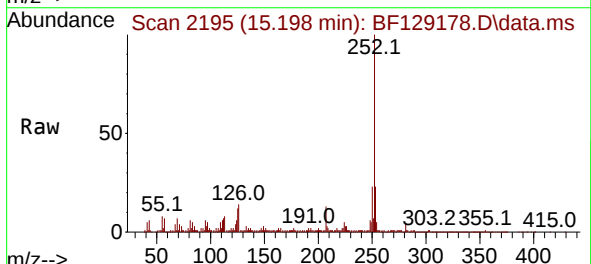
RT: 15.198 min Scan# 2195

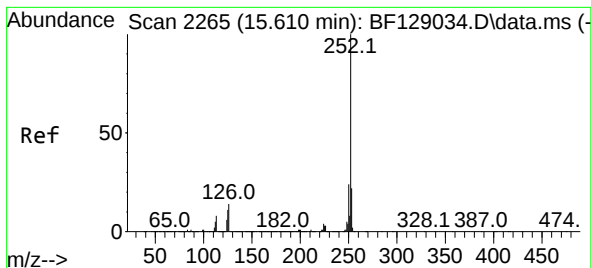
Delta R.T. -0.006 min

Lab File: BF129178.D

Acq: 08 Jul 2022 16:40

Tgt Ion:252 Resp: 158988
 Ion Ratio Lower Upper
 252 100
 253 22.6 17.7 26.5
 125 12.4 8.0 12.0#





#90

Benzo(a)pyrene

Concen: 4.660 ng

RT: 15.586 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF129178.D

Acq: 08 Jul 2022 16:40

Instrument :

BNA_F

ClientSampleId :

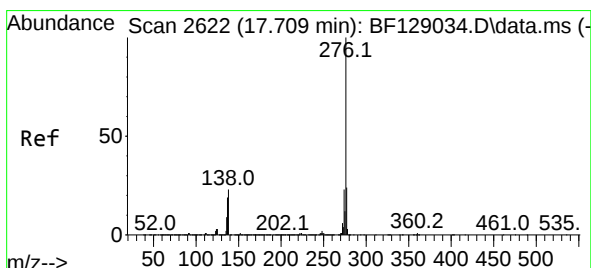
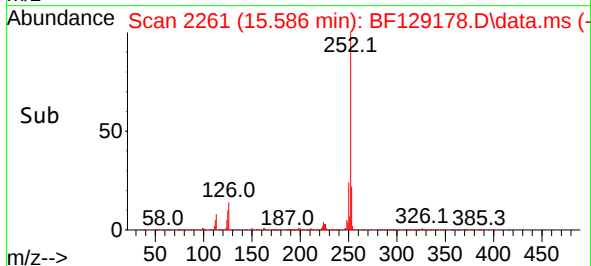
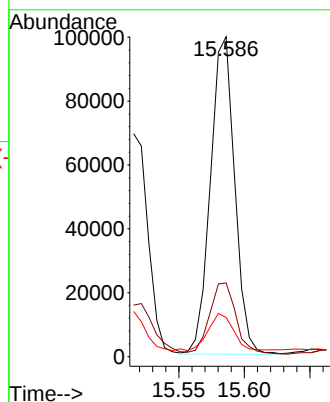
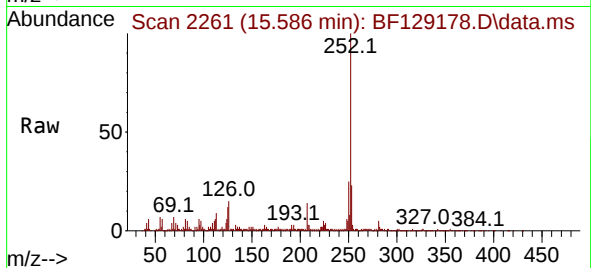
20220503-FIELD-DUP-COMPOSITE

Tgt Ion:	252	Resp:	12789
Ion Ratio	Lower	Upper	
252	100		
253	23.1	17.0	25.6
125	12.3	8.8	13.2

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 07/11/2022
Supervised By :mohammad ahmed 07/11/2022



#92

Benzo(g,h,i)perylene

Concen: 3.013 ng

RT: 17.662 min Scan# 2614

Delta R.T. -0.029 min

Lab File: BF129178.D

Acq: 08 Jul 2022 16:40

Tgt Ion:	276	Resp:	84607
Ion Ratio	Lower	Upper	
276	100		
277	24.1	19.1	28.7
138	22.1	18.0	27.0

