

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070122\
 Data File : BF129110.D
 Acq On : 02 Jul 2022 00:30
 Operator : CG\JU
 Sample : N3539-01DL 2X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CL-02-062922DL

Quant Time: Jul 02 01:27:56 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

Manual Integrations APPROVED

Reviewed By : Christian Giraldo 07/05/2022
 Supervised By : Jagrut Upadhyay 07/05/2022

Supervised By : Jagrut
 Upadhyay
 07/05/2022

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.957	152	331051	20.000	ng	0.00
21) Naphthalene-d8	8.239	136	1182143	20.000	ng	0.00
39) Acenaphthene-d10	9.998	164	530693	20.000	ng	0.00
64) Phenanthrene-d10	11.492	188	805779	20.000	ng	0.00
76) Chrysene-d12	14.145	240	660248	20.000	ng	0.00
86) Perylene-d12	15.668	264	510809	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.575	112	922040	47.087	ng	-0.01
7) Phenol-d6	6.569	99	1111439	45.701	ng	-0.02
23) Nitrobenzene-d5	7.516	82	648979	32.745	ng	-0.01
42) 2,4,6-Tribromophenol	10.786	330	211241	36.607	ng	-0.01
45) 2-Fluorobiphenyl	9.310	172	1290502	38.902	ng	-0.01
79) Terphenyl-d14	13.080	244	1110687	34.934	ng	0.00
Target Compounds						Qvalue
49) Acenaphthylene	9.857	152	173721	3.880	ng	99
52) Acenaphthene	10.028	154	81022	2.778	ng	99
55) Dibenzofuran	10.204	168	110944	2.613	ng	96
58) Fluorene	10.545	166	243082	7.401	ng	99
71) Phenanthrene	11.516	178	1928207	50.083	ng	99
72) Anthracene	11.569	178	623982	16.439	ng	99
73) Carbazole	11.722	167	178866	4.703	ng	96
75) Fluoranthene	12.716	202	2402454	59.668	ng	98
78) Pyrene	12.945	202	2235700	48.851	ng	99
81) Benzo(a)anthracene	14.133	228	1325405	32.877	ng	95
83) Chrysene	14.168	228	1120143	29.930	ng	97
87) Indeno(1,2,3-cd)pyrene	17.227	276	431785	13.782	ng	96
88) Benzo(b)fluoranthene	15.215	252	1178039m	38.348	ng	
89) Benzo(k)fluoranthene	15.245	252	438547m	14.718	ng	
90) Benzo(a)pyrene	15.604	252	861984	34.420	ng	96
91) Dibenzo(a,h)anthracene	17.233	278	114214	4.472	ng	# 78
92) Benzo(g,h,i)perylene	17.698	276	383070	14.950	ng	97

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070122\
Data File : BF129110.D
Acq On : 02 Jul 2022 00:30
Operator : CG\JU
Sample : N3539-01DL 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

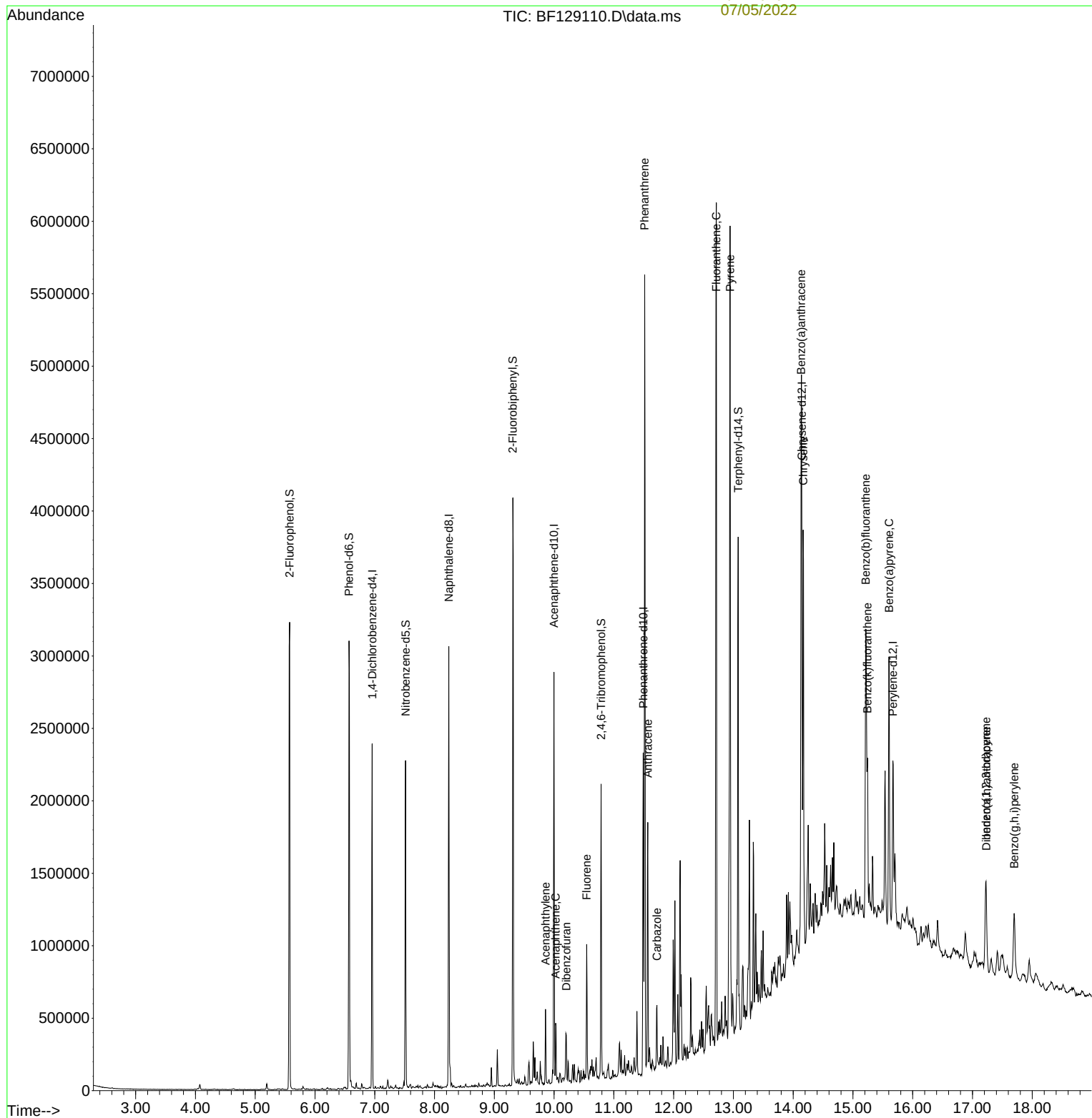
Instrument :
BNA_F
ClientSampleId :
CL-02-062922DL

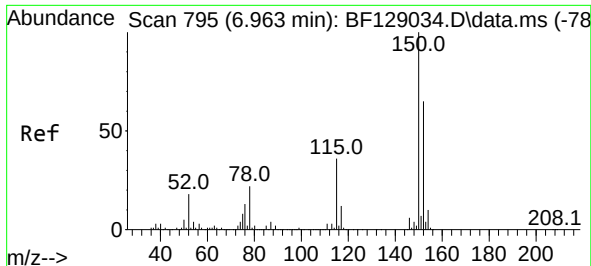
Quant Time: Jul 02 01:27:56 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062922.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 29 17:05:31 2022
Response via : Initial Calibration

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 07/05/2022
Supervised By :Jagrut Upadhyay 07/05/2022

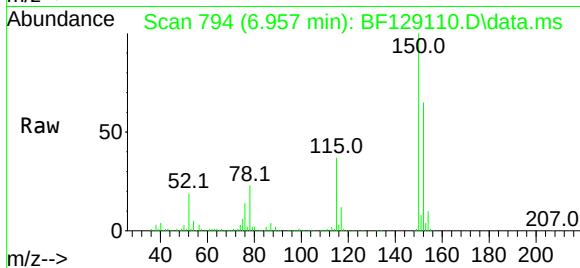
Supervised By :Jagrut
Upadhyay
07/05/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.957 min Scan# 795
Delta R.T. -0.006 min
Lab File: BF129110.D
Acq: 02 Jul 2022 00:30

Instrument :
BNA_F
ClientSampleId :
CL-02-062922DL

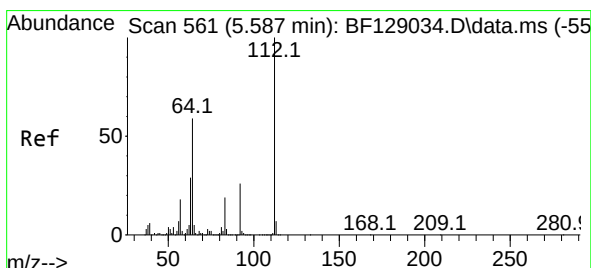
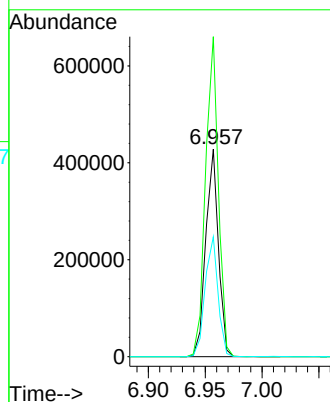
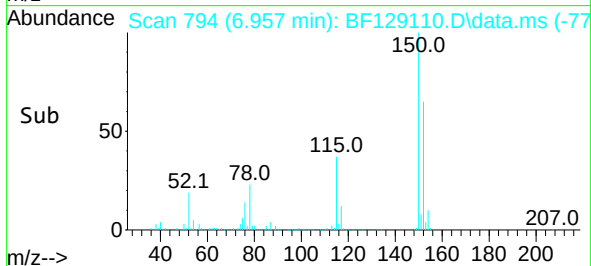


Tgt Ion:152 Resp: 33105
Ion Ratio Lower Upper
152 100
150 154.2 123.7 185.5
115 57.8 49.9 74.9

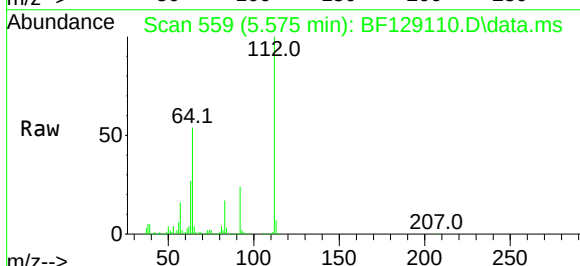
Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 07/05/2022
Supervised By :Jagrut Upadhyay 07/05/2022

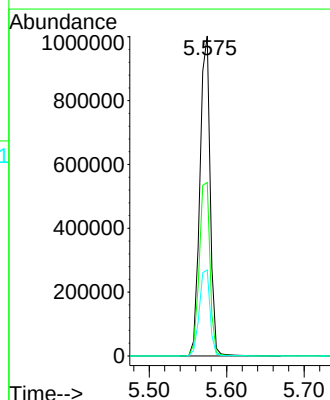
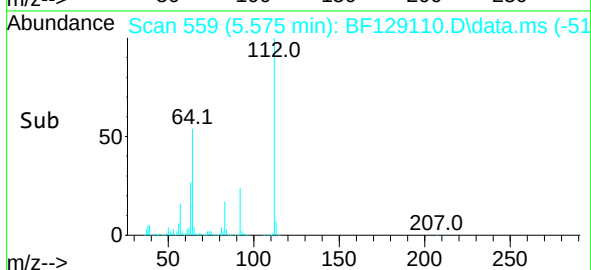
Supervised By :Jagrut
Upadhyay
07/05/2022

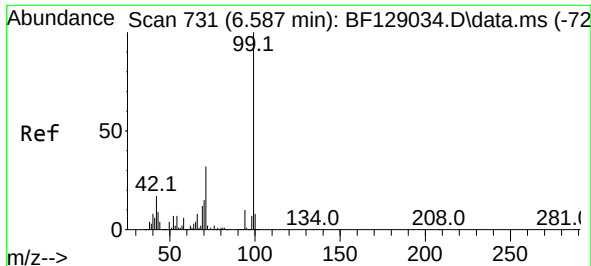


#5
2-Fluorophenol
Concen: 47.087 ng
RT: 5.575 min Scan# 559
Delta R.T. -0.012 min
Lab File: BF129110.D
Acq: 02 Jul 2022 00:30



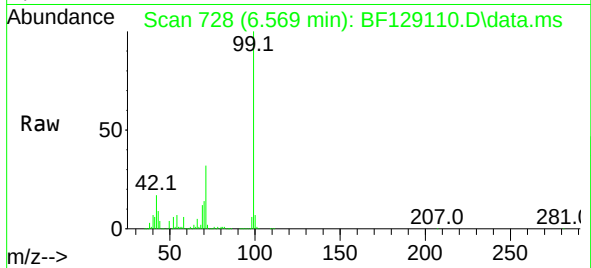
Tgt Ion:112 Resp: 922040
Ion Ratio Lower Upper
112 100
64 54.2 53.3 79.9
63 26.8 28.0 42.0





#7
Phenol-d6
Concen: 45.701 ng
RT: 6.569 min Scan# 71
Delta R.T. -0.018 min
Lab File: BF129110.D
Acq: 02 Jul 2022 00:30

Instrument :
BNA_F
ClientSampleId :
CL-02-062922DL

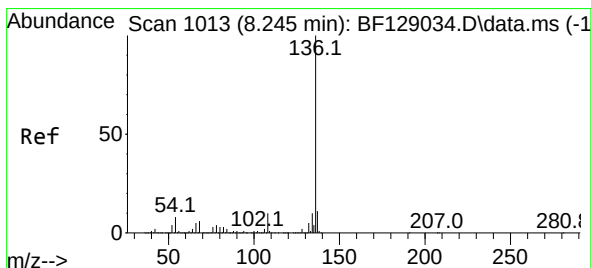
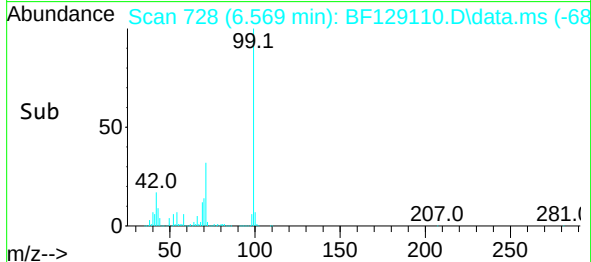
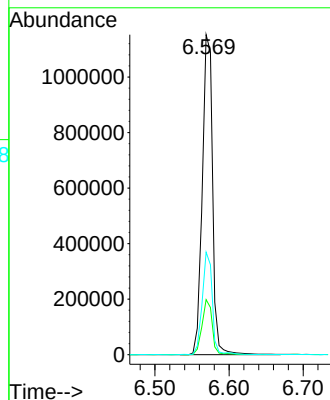


Tgt Ion: 99 Resp: 1111439
Ion Ratio Lower Upper
99 100
42 17.2 17.3 25.9
71 32.1 28.9 43.3

Manual Integrations
APPROVED

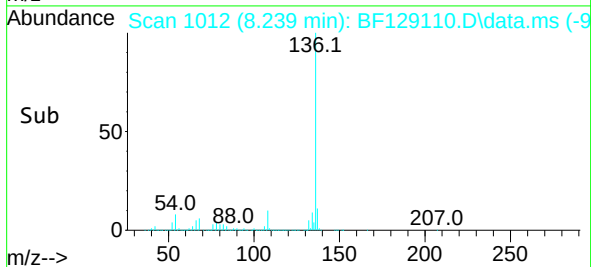
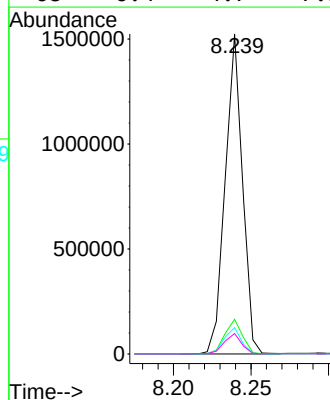
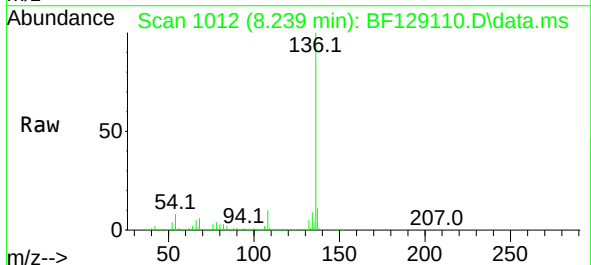
Reviewed By :Christian Giraldo 07/05/2022
Supervised By :Jagrut Upadhyay 07/05/2022

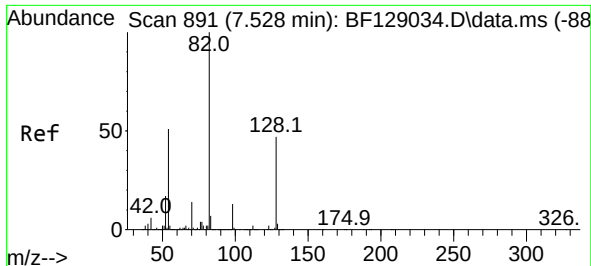
Supervised By :Jagrut
Upadhyay
07/05/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.239 min Scan# 1012
Delta R.T. -0.006 min
Lab File: BF129110.D
Acq: 02 Jul 2022 00:30

Tgt Ion:136 Resp: 1182143
Ion Ratio Lower Upper
136 100
137 10.9 8.8 13.2
54 8.3 7.5 11.3
68 6.4 4.7 7.1





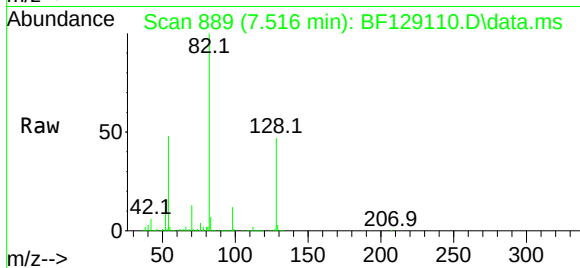
#23
Nitrobenzene-d5
Concen: 32.745 ng
RT: 7.516 min Scan# 891
Delta R.T. -0.012 min
Lab File: BF129110.D
Acq: 02 Jul 2022 00:30

Instrument :

BNA_F

ClientSampleId :

CL-02-062922DL

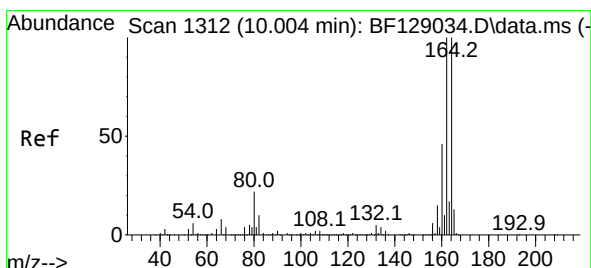
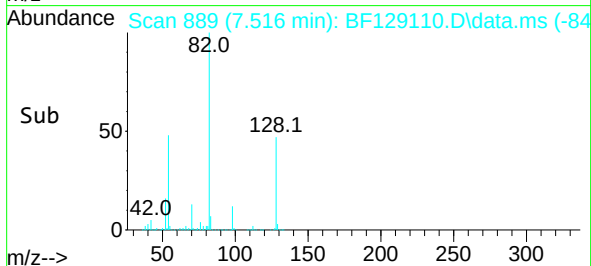
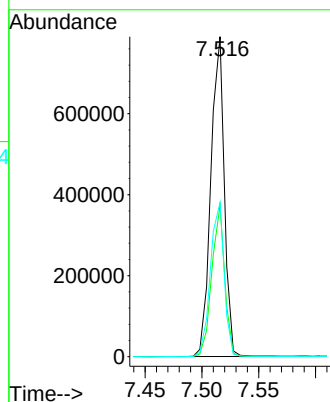


Tgt Ion: 82 Resp: 648979
Ion Ratio Lower Upper
82 100
128 47.3 34.0 51.0
54 48.2 46.9 70.3

Manual Integrations
APPROVED

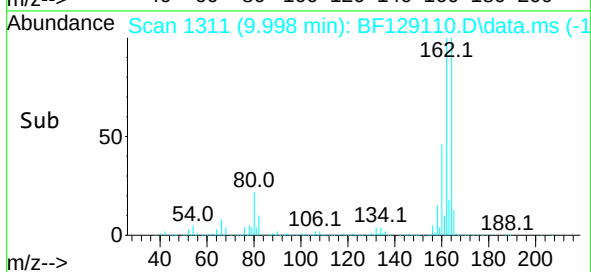
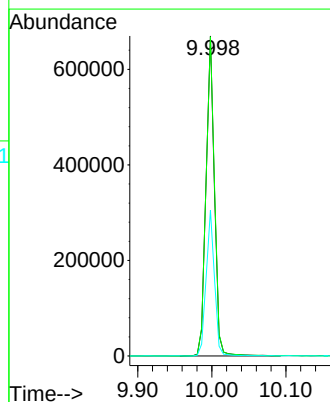
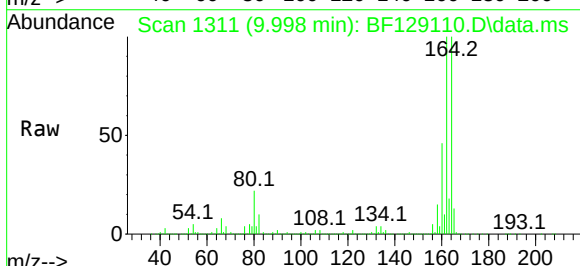
Reviewed By :Christian Giraldo 07/05/2022
Supervised By :Jagrut Upadhyay 07/05/2022

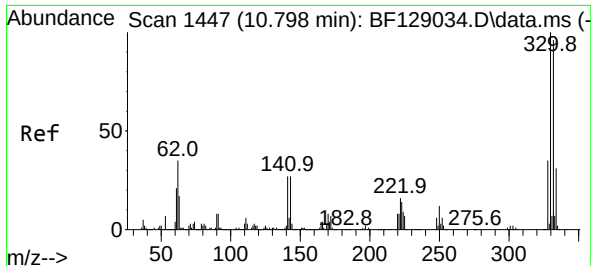
Supervised By :Jagrut
Upadhyay
07/05/2022



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.998 min Scan# 1311
Delta R.T. -0.006 min
Lab File: BF129110.D
Acq: 02 Jul 2022 00:30

Tgt Ion:164 Resp: 530693
Ion Ratio Lower Upper
164 100
162 99.7 79.5 119.3
160 45.6 34.2 51.4





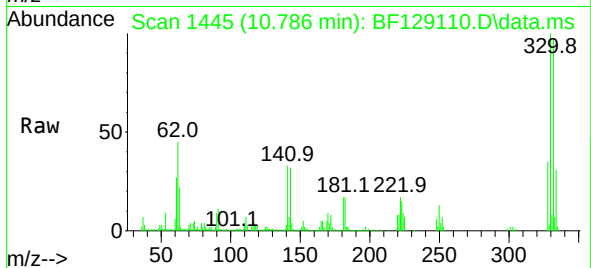
#42
2,4,6-Tribromophenol
Concen: 36.607 ng
RT: 10.786 min Scan# 1445
Delta R.T. -0.012 min
Lab File: BF129110.D
Acq: 02 Jul 2022 00:30

Instrument :

BNA_F

ClientSampleId :

CL-02-062922DL



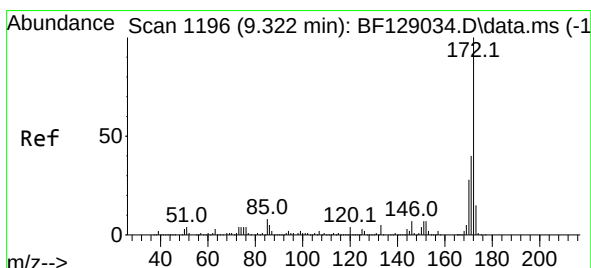
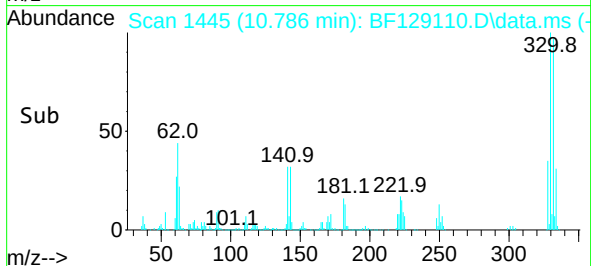
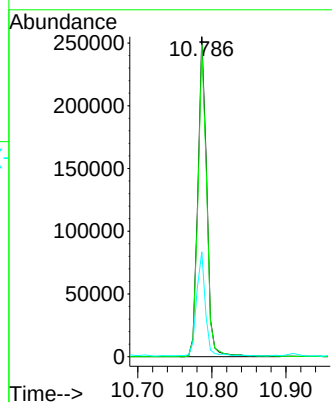
Tgt Ion:330 Resp: 21124
Ion Ratio Lower Upper
330 100
332 97.0 76.8 115.2
141 31.8 28.0 42.0

Manual Integrations

APPROVED

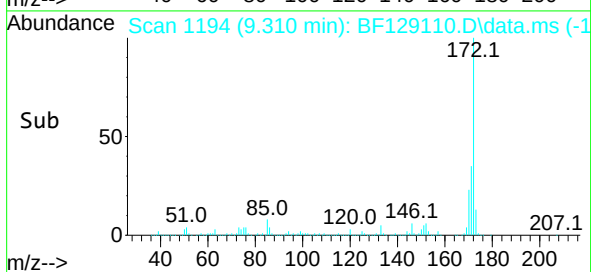
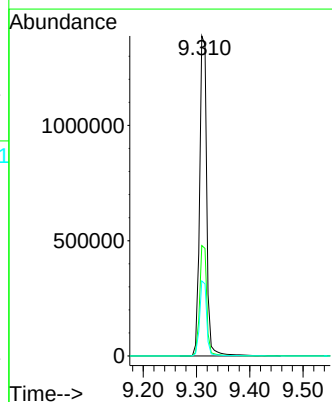
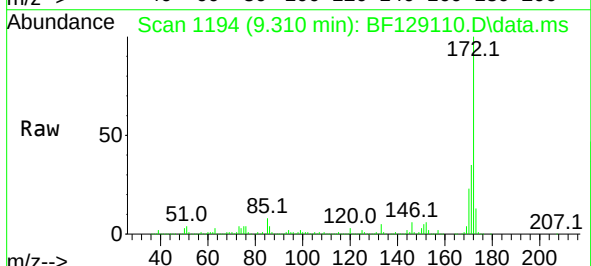
Reviewed By :Christian Giraldo 07/05/2022
Supervised By :Jagrut Upadhyay 07/05/2022

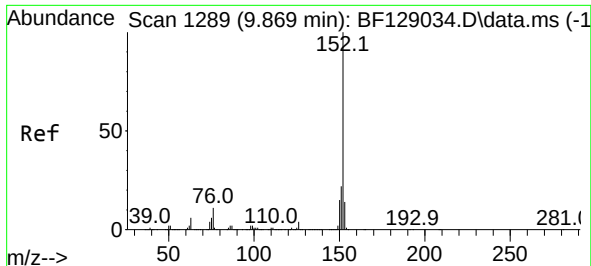
Supervised By :Jagrut
Upadhyay
07/05/2022



#45
2-Fluorobiphenyl
Concen: 38.902 ng
RT: 9.310 min Scan# 1194
Delta R.T. -0.012 min
Lab File: BF129110.D
Acq: 02 Jul 2022 00:30

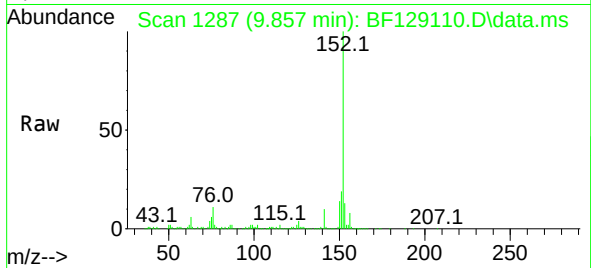
Tgt Ion:172 Resp: 1290502
Ion Ratio Lower Upper
172 100
171 34.5 28.8 43.2
170 23.5 19.8 29.8





#49
Acenaphthylene
Concen: 3.880 ng
RT: 9.857 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF129110.D
Acq: 02 Jul 2022 00:30

Instrument :
BNA_F
ClientSampleId :
CL-02-062922DL

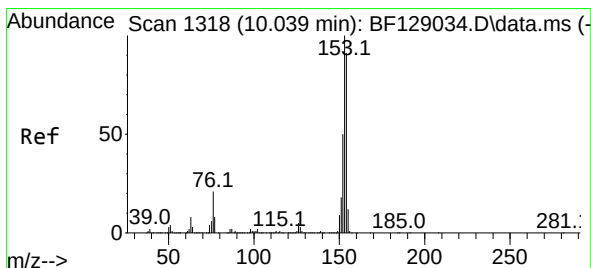
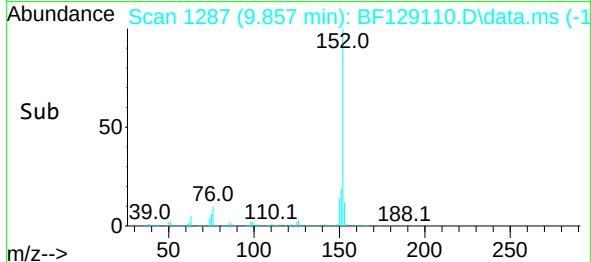
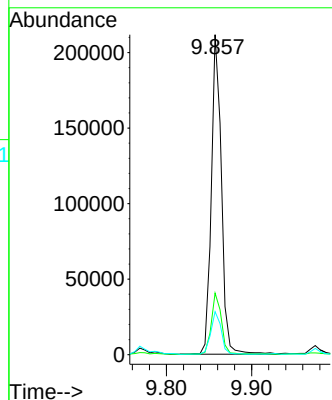


Tgt Ion:152 Resp: 17372
Ion Ratio Lower Upper
152 100
151 19.3 16.2 24.4
153 13.4 10.7 16.1

Manual Integrations
APPROVED

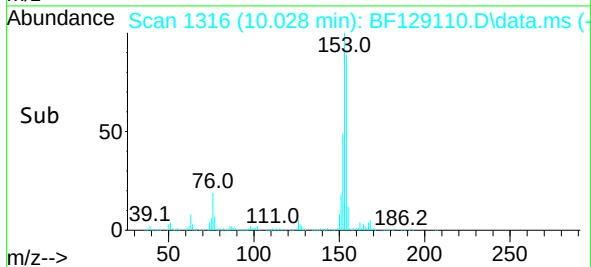
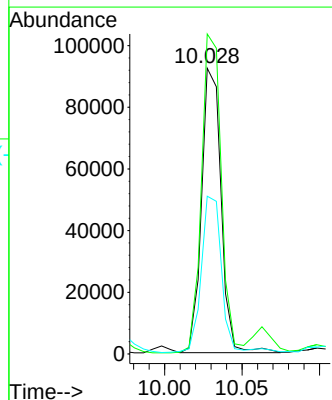
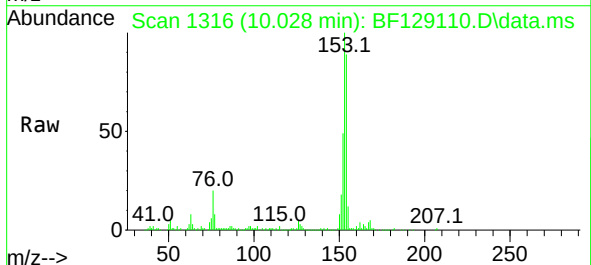
Reviewed By :Christian Giraldo 07/05/2022
Supervised By :Jagrut Upadhyay 07/05/2022

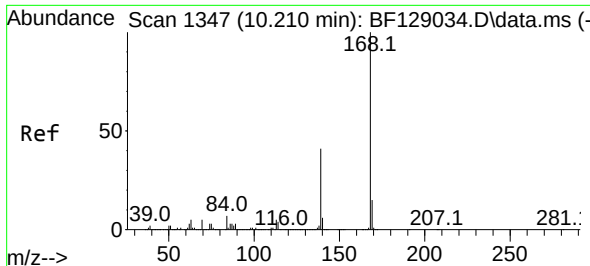
Supervised By :Jagrut
Upadhyay
07/05/2022



#52
Acenaphthene
Concen: 2.778 ng
RT: 10.028 min Scan# 1316
Delta R.T. -0.012 min
Lab File: BF129110.D
Acq: 02 Jul 2022 00:30

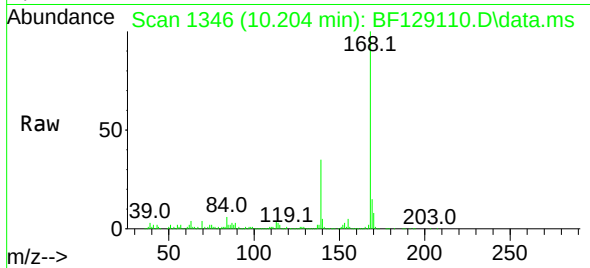
Tgt Ion:154 Resp: 81022
Ion Ratio Lower Upper
154 100
153 112.0 89.6 134.4
152 55.2 42.4 63.6





#55
Dibenzenofuran
Concen: 2.613 ng
RT: 10.204 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF129110.D
Acq: 02 Jul 2022 00:30

Instrument :
BNA_F
ClientSampleId :
CL-02-062922DL

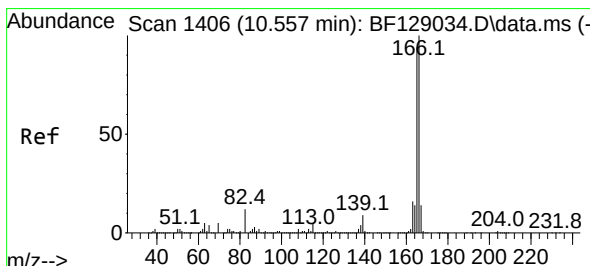
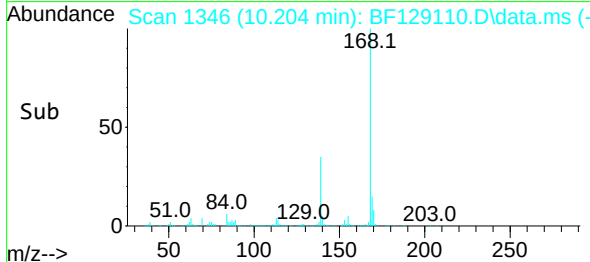
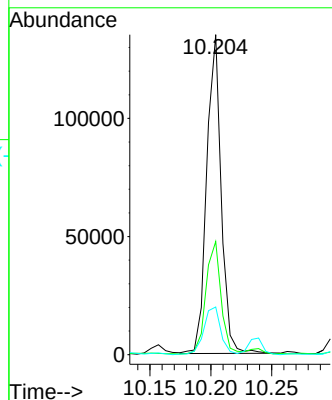


Tgt Ion:168 Resp: 110944
Ion Ratio Lower Upper
168 100
139 35.3 30.6 46.0
169 14.9 11.0 16.6

Manual Integrations
APPROVED

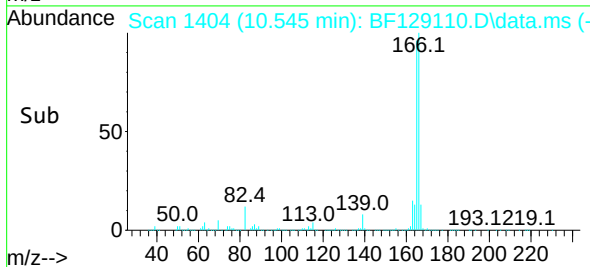
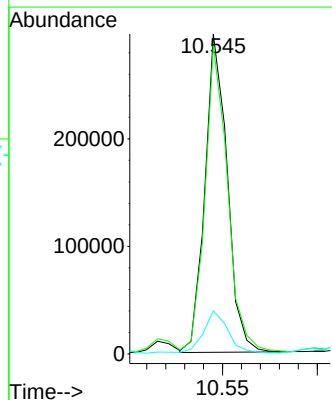
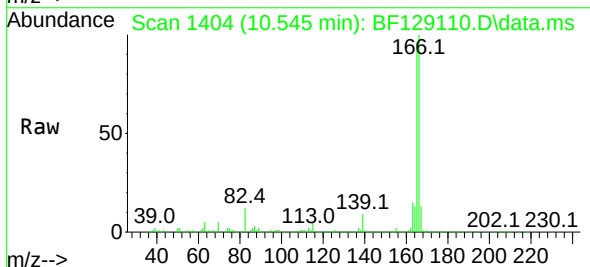
Reviewed By :Christian Giraldo 07/05/2022
Supervised By :Jagrut Upadhyay 07/05/2022

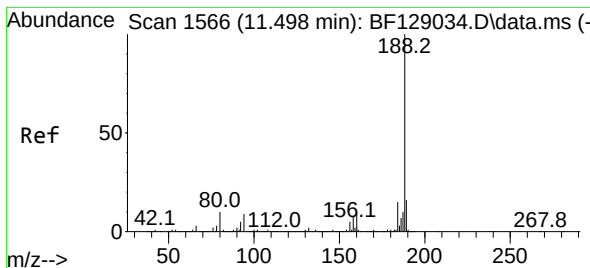
Supervised By :Jagrut
Upadhyay
07/05/2022



#58
Fluorene
Concen: 7.401 ng
RT: 10.545 min Scan# 1404
Delta R.T. -0.012 min
Lab File: BF129110.D
Acq: 02 Jul 2022 00:30

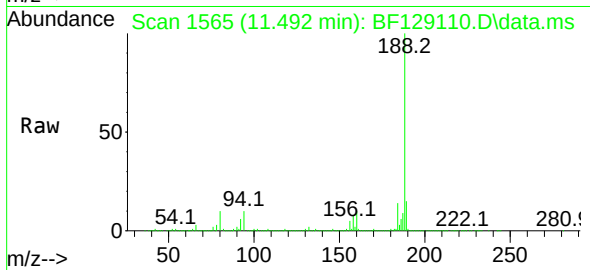
Tgt Ion:166 Resp: 243082
Ion Ratio Lower Upper
166 100
165 96.3 78.1 117.1
167 13.5 10.5 15.7





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.492 min Scan# 1566
Delta R.T. -0.006 min
Lab File: BF129110.D
Acq: 02 Jul 2022 00:30

Instrument :
BNA_F
ClientSampleId :
CL-02-062922DL

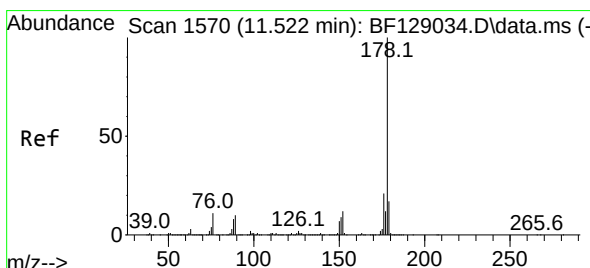
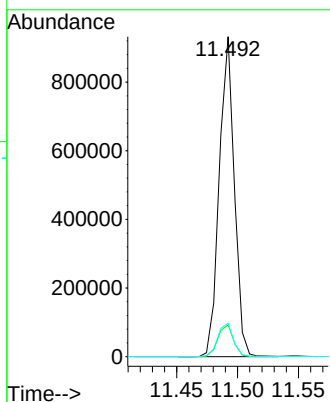
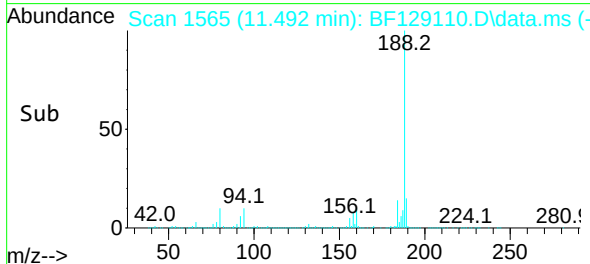


Tgt Ion:188 Resp: 805779
Ion Ratio Lower Upper
188 100
94 9.9 7.0 10.6
80 10.4 7.6 11.4

Manual Integrations
APPROVED

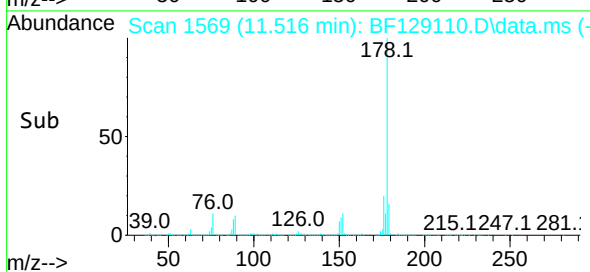
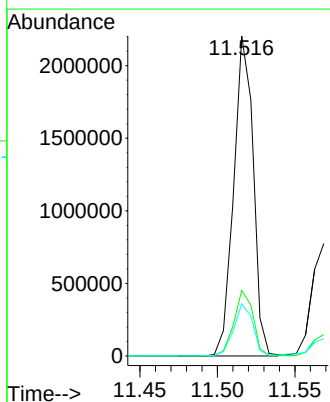
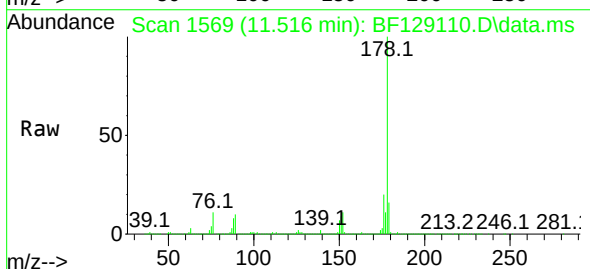
Reviewed By :Christian Giraldo 07/05/2022
Supervised By :Jagrut Upadhyay 07/05/2022

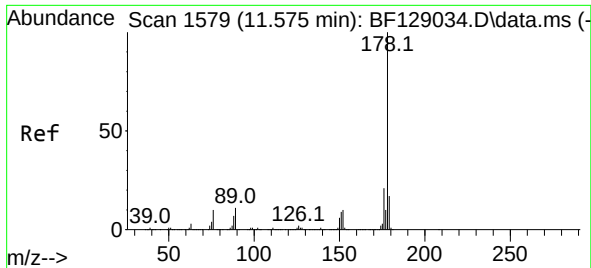
Supervised By :Jagrut
Upadhyay
07/05/2022



#71
Phenanthrene
Concen: 50.083 ng
RT: 11.516 min Scan# 1569
Delta R.T. -0.006 min
Lab File: BF129110.D
Acq: 02 Jul 2022 00:30

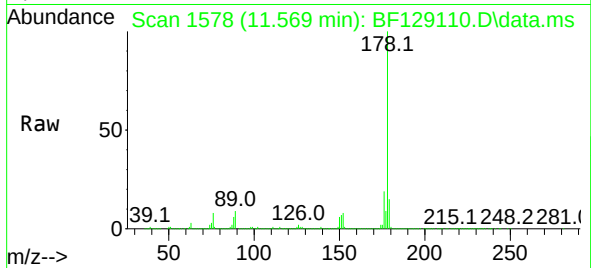
Tgt Ion:178 Resp: 1928207
Ion Ratio Lower Upper
178 100
176 20.5 16.0 24.0
179 16.2 12.6 19.0





#72
 Anthracene
 Concen: 16.439 ng
 RT: 11.569 min Scan# 11579
 Delta R.T. -0.006 min
 Lab File: BF129110.D
 Acq: 02 Jul 2022 00:30

Instrument :
 BNA_F
 ClientSampleId :
 CL-02-062922DL

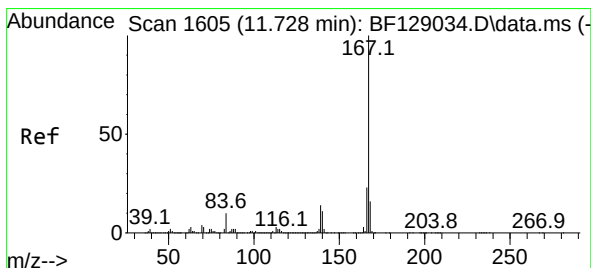
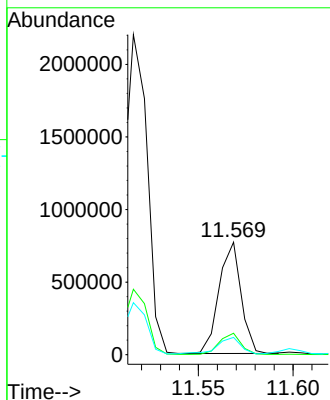
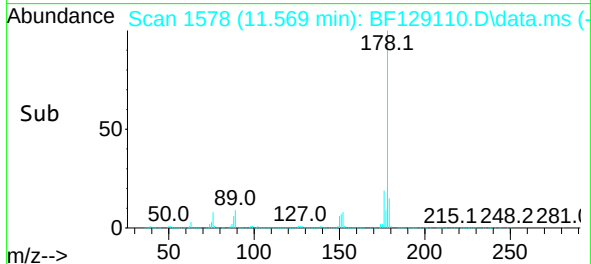


Tgt Ion:178 Resp: 62398
 Ion Ratio Lower Upper
 178 100
 176 19.1 15.4 23.2
 179 15.3 12.6 19.0

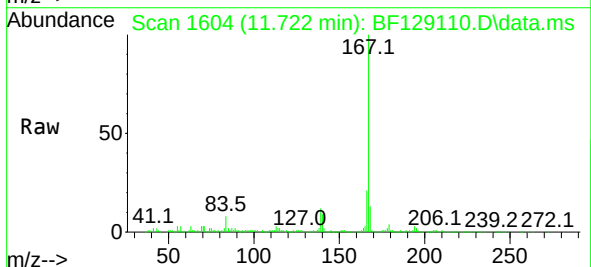
Manual Integrations
 APPROVED

Reviewed By :Christian Giraldo 07/05/2022
 Supervised By :Jagrut Upadhyay 07/05/2022

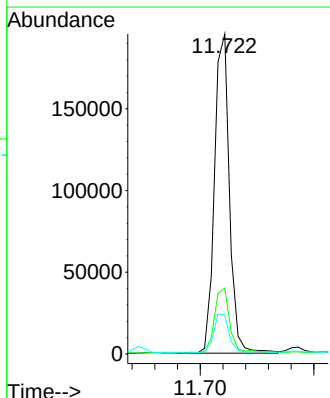
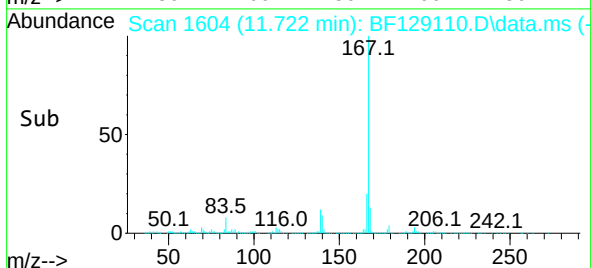
Supervised By :Jagrut
 Upadhyay
 07/05/2022

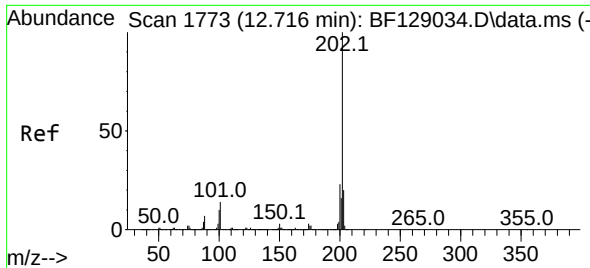


#73
 Carbazole
 Concen: 4.703 ng
 RT: 11.722 min Scan# 1604
 Delta R.T. -0.006 min
 Lab File: BF129110.D
 Acq: 02 Jul 2022 00:30



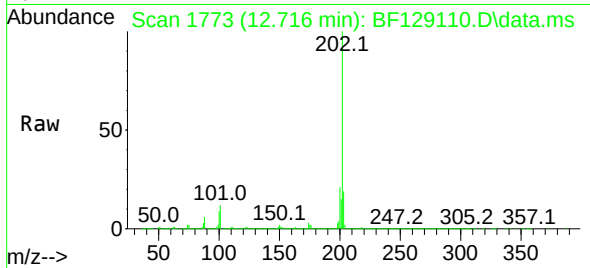
Tgt Ion:167 Resp: 178866
 Ion Ratio Lower Upper
 167 100
 166 20.6 17.7 26.5
 139 12.2 11.2 16.8





#75
Fluoranthene
Concen: 59.668 ng
RT: 12.716 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF129110.D
Acq: 02 Jul 2022 00:30

Instrument :
BNA_F
ClientSampleId :
CL-02-062922DL

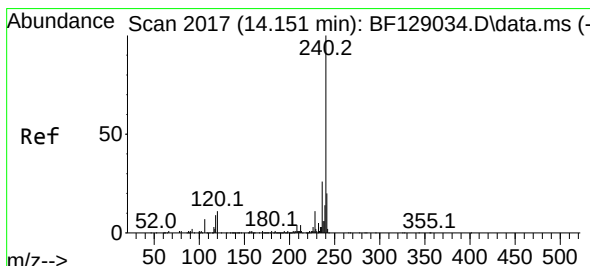
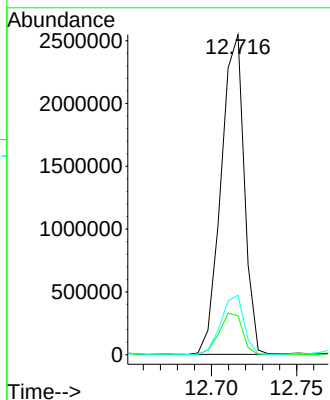
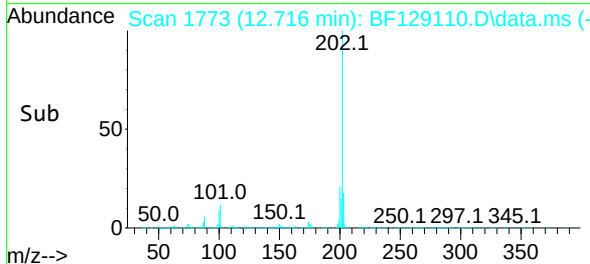


Tgt Ion:202 Resp: 240245
Ion Ratio Lower Upper
202 100
101 12.2 0.0 31.4
203 18.5 0.0 38.0

Manual Integrations
APPROVED

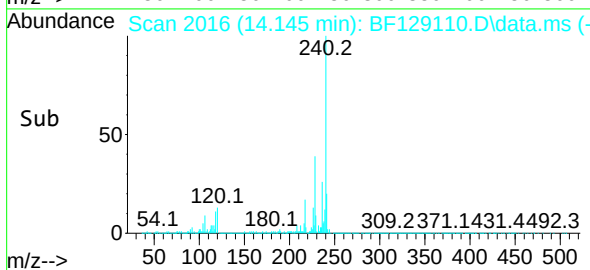
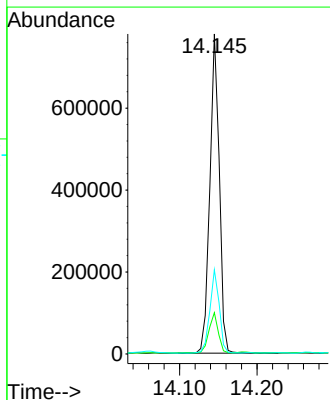
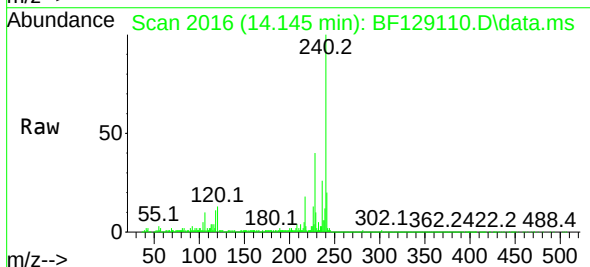
Reviewed By :Christian Giraldo 07/05/2022
Supervised By :Jagrut Upadhyay 07/05/2022

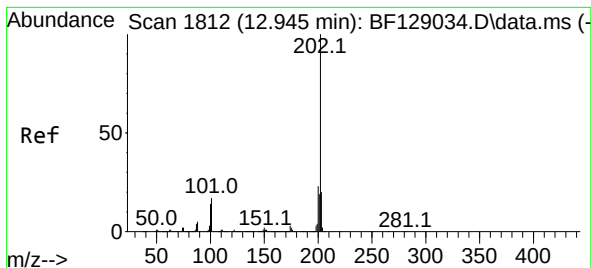
Supervised By :Jagrut
Upadhyay
07/05/2022



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.145 min Scan# 2016
Delta R.T. -0.006 min
Lab File: BF129110.D
Acq: 02 Jul 2022 00:30

Tgt Ion:240 Resp: 660248
Ion Ratio Lower Upper
240 100
120 12.9 8.9 13.3
236 26.3 20.8 31.2





#78

Pyrene

Concen: 48.851 ng

RT: 12.945 min Scan# 1812

Delta R.T. -0.000 min

Lab File: BF129110.D

Acq: 02 Jul 2022 00:30

Instrument :

BNA_F

ClientSampleId :

CL-02-062922DL

Tgt Ion:202 Resp: 2235700

Ion Ratio Lower Upper

202 100

200 21.7 17.7 26.5

203 18.7 14.6 21.8

Manual Integrations

APPROVED

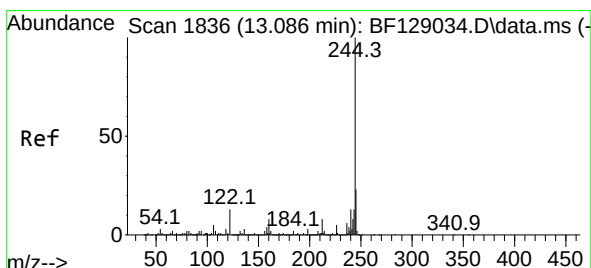
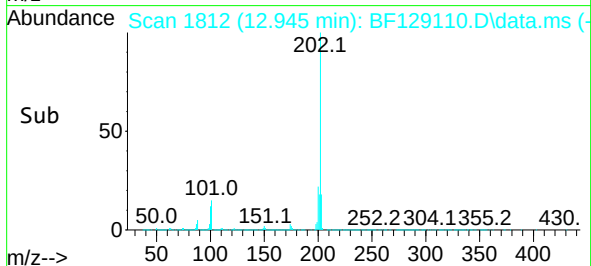
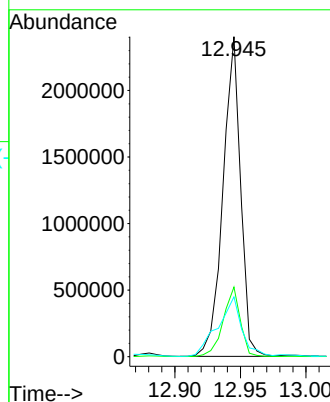
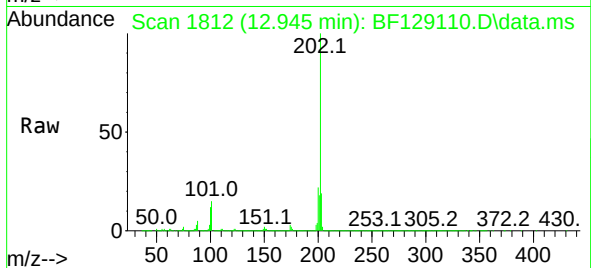
Reviewed By :Christian Giraldo 07/05/2022

Supervised By :Jagrut Upadhyay 07/05/2022

Supervised By :Jagrut

Upadhyay

07/05/2022



#79

Terphenyl-d14

Concen: 34.934 ng

RT: 13.080 min Scan# 1835

Delta R.T. -0.006 min

Lab File: BF129110.D

Acq: 02 Jul 2022 00:30

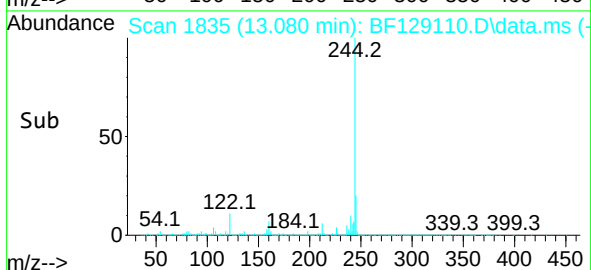
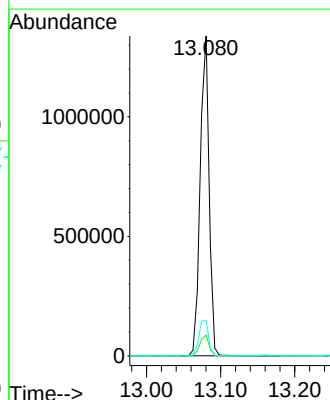
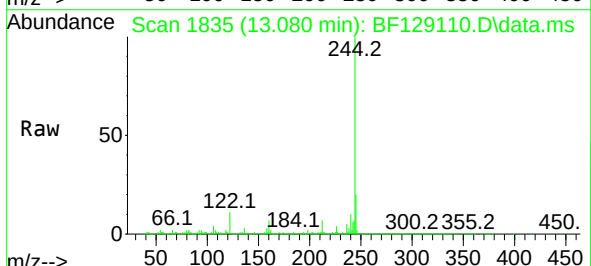
Tgt Ion:244 Resp: 1110687

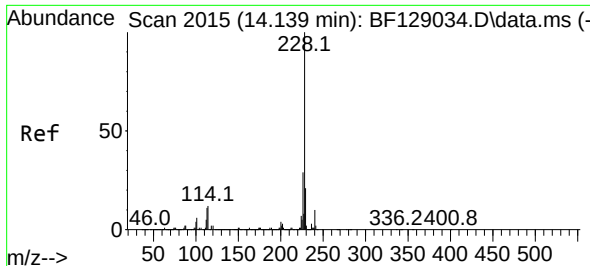
Ion Ratio Lower Upper

244 100

212 6.5 6.1 9.1

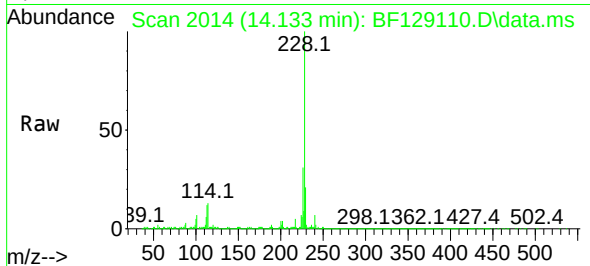
122 11.1 8.8 13.2





#81
Benzo(a)anthracene
Concen: 32.877 ng
RT: 14.133 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF129110.D
Acq: 02 Jul 2022 00:30

Instrument :
BNA_F
ClientSampleId :
CL-02-062922DL

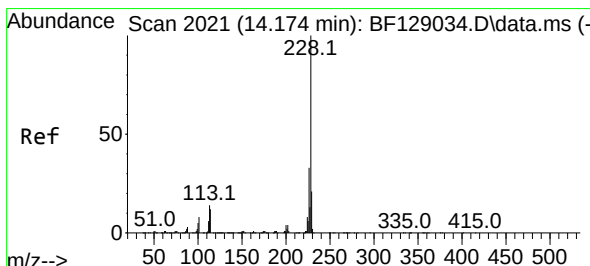
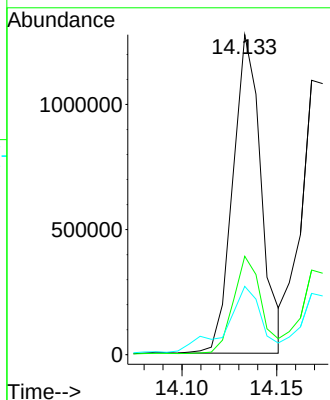
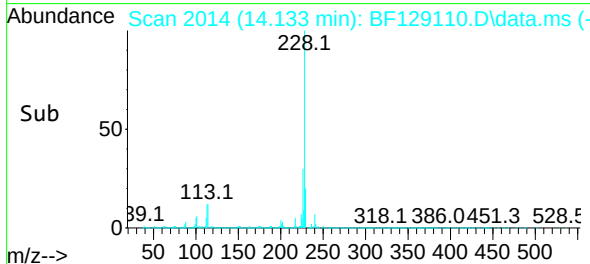


Tgt Ion:228 Resp: 132540
Ion Ratio Lower Upper
228 100
226 30.7 22.1 33.1
229 21.3 15.8 23.8

Manual Integrations
APPROVED

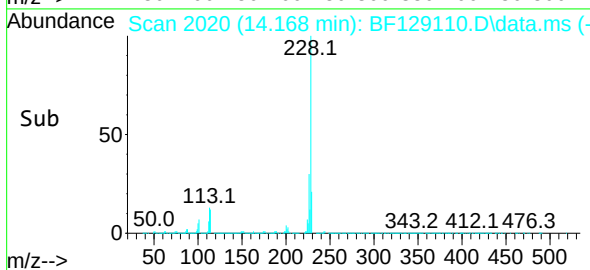
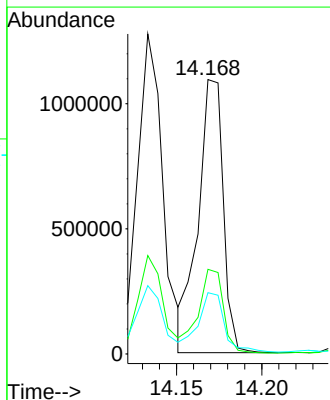
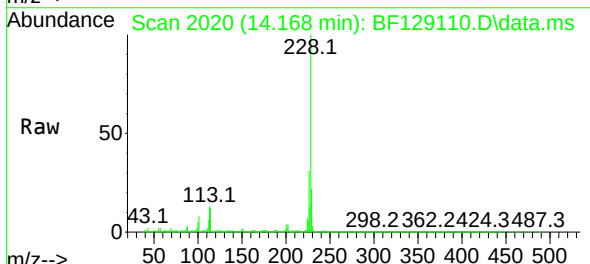
Reviewed By :Christian Giraldo 07/05/2022
Supervised By :Jagrut Upadhyay 07/05/2022

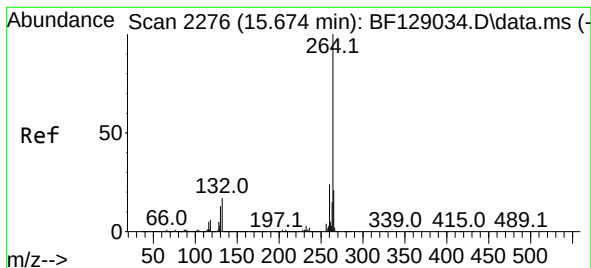
Supervised By :Jagrut
Upadhyay
07/05/2022



#83
Chrysene
Concen: 29.930 ng
RT: 14.168 min Scan# 2020
Delta R.T. -0.006 min
Lab File: BF129110.D
Acq: 02 Jul 2022 00:30

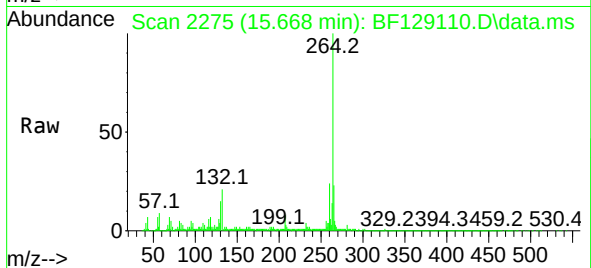
Tgt Ion:228 Resp: 1120143
Ion Ratio Lower Upper
228 100
226 30.8 24.3 36.5
229 22.3 15.9 23.9





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.668 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF129110.D
Acq: 02 Jul 2022 00:30

Instrument :
BNA_F
ClientSampleId :
CL-02-062922DL

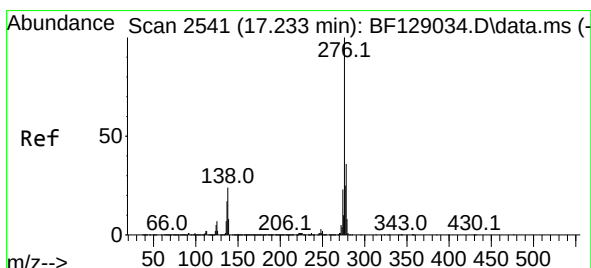
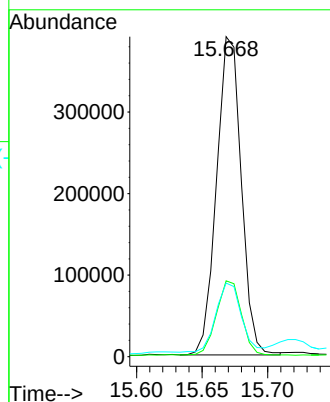
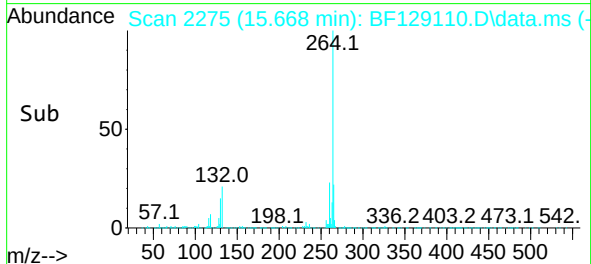


Tgt Ion:264 Resp: 510809
Ion Ratio Lower Upper
264 100
260 23.7 18.4 27.6
265 23.0 17.2 25.8

Manual Integrations
APPROVED

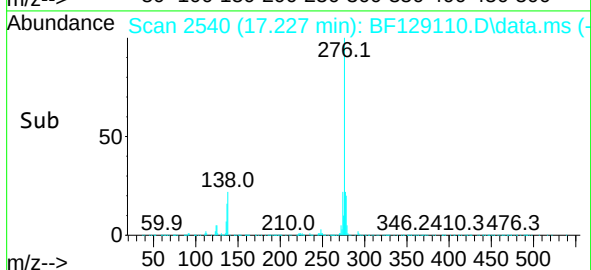
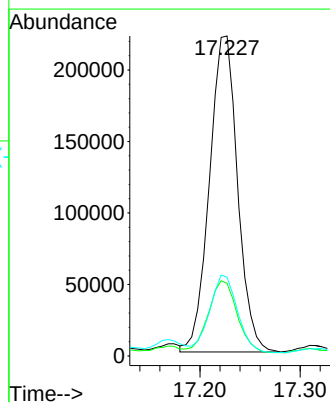
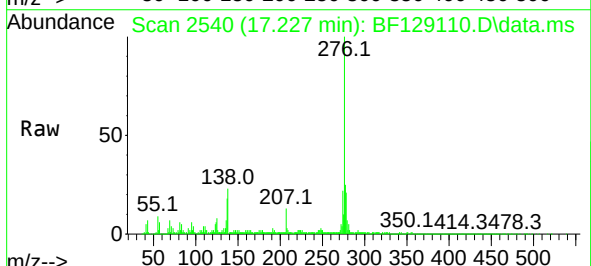
Reviewed By :Christian Giraldo 07/05/2022
Supervised By :Jagrut Upadhyay 07/05/2022

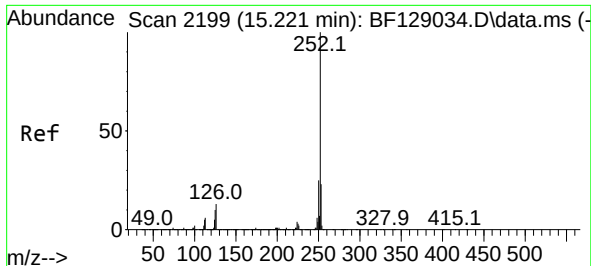
Supervised By :Jagrut
Upadhyay
07/05/2022



#87
Indeno(1,2,3-cd)pyrene
Concen: 13.782 ng
RT: 17.227 min Scan# 2540
Delta R.T. -0.006 min
Lab File: BF129110.D
Acq: 02 Jul 2022 00:30

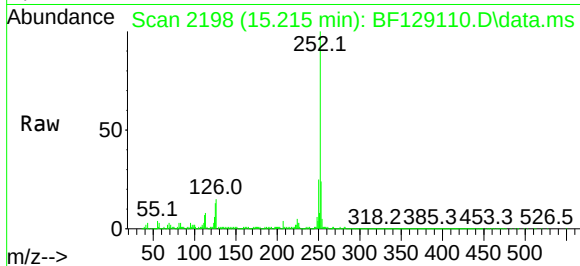
Tgt Ion:276 Resp: 431785
Ion Ratio Lower Upper
276 100
138 23.4 21.1 31.7
277 24.2 20.3 30.5





#88
Benzo(b)fluoranthene
Concen: 38.348 ng m
RT: 15.215 min Scan# 2199
Delta R.T. -0.006 min
Lab File: BF129110.D
Acq: 02 Jul 2022 00:30

Instrument :
BNA_F
ClientSampleId :
CL-02-062922DL

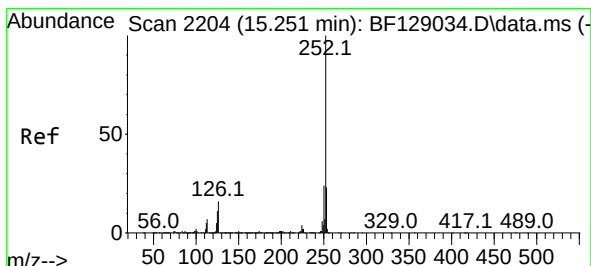
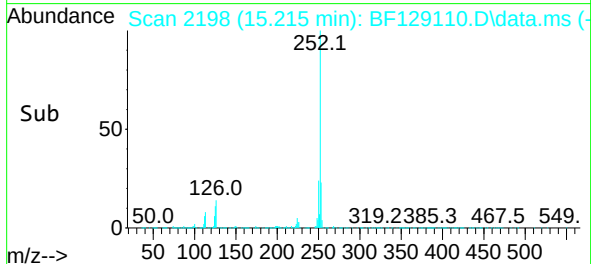
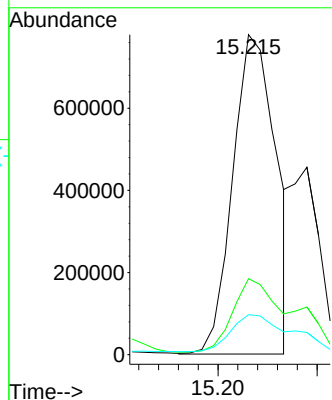


Tgt Ion:252 Resp: 1178039
Ion Ratio Lower Upper
252 100
253 23.8 17.7 26.5
125 12.5 8.0 12.0

Manual Integrations
APPROVED

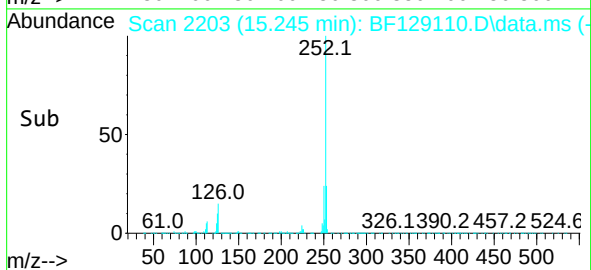
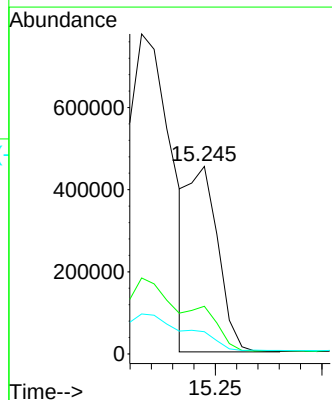
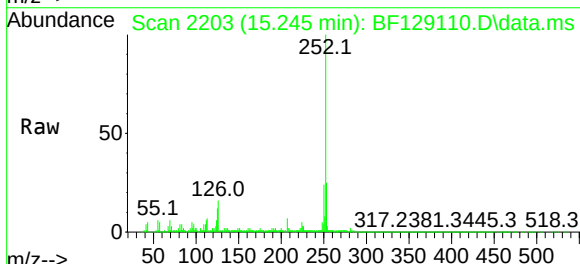
Reviewed By :Christian Giraldo 07/05/2022
Supervised By :Jagrut Upadhyay 07/05/2022

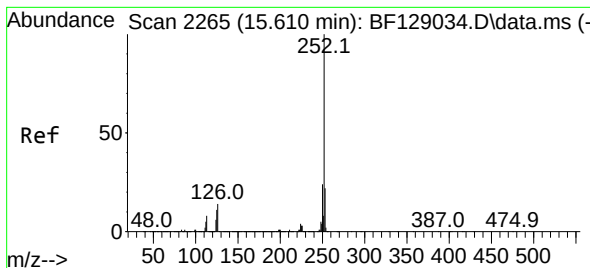
Supervised By :Jagrut
Upadhyay
07/05/2022



#89
Benzo(k)fluoranthene
Concen: 14.718 ng m
RT: 15.245 min Scan# 2203
Delta R.T. -0.006 min
Lab File: BF129110.D
Acq: 02 Jul 2022 00:30

Tgt Ion:252 Resp: 438547
Ion Ratio Lower Upper
252 100
253 25.4 17.8 26.6
125 11.8 8.3 12.5





#90
Benzo(a)pyrene
Concen: 34.420 ng
RT: 15.604 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF129110.D
Acq: 02 Jul 2022 00:30

Instrument :

BNA_F

ClientSampleId :

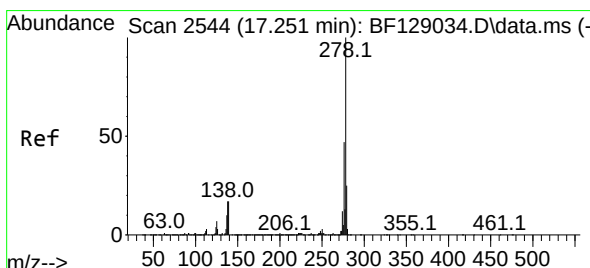
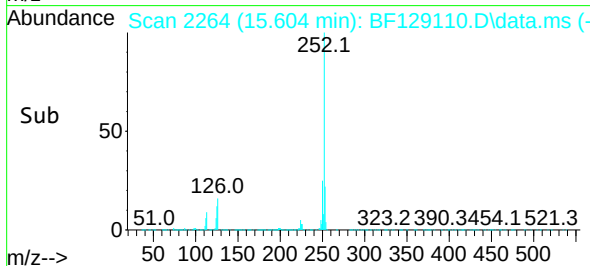
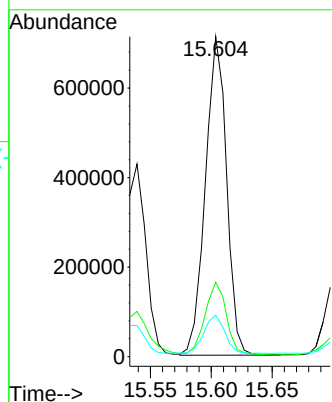
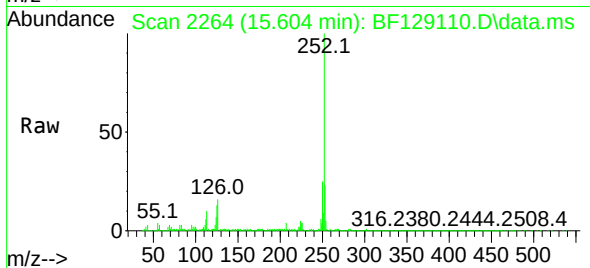
CL-02-062922DL

Tgt Ion:252 Resp: 861984
Ion Ratio Lower Upper
252 100
253 23.2 17.0 25.6
125 13.0 8.8 13.2

Manual Integrations
APPROVED

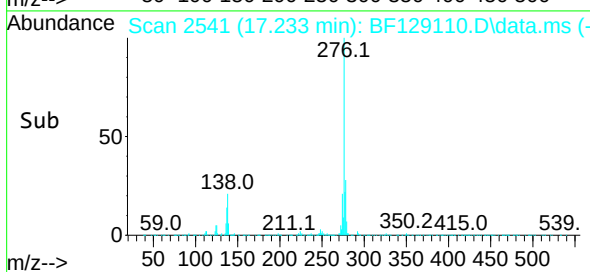
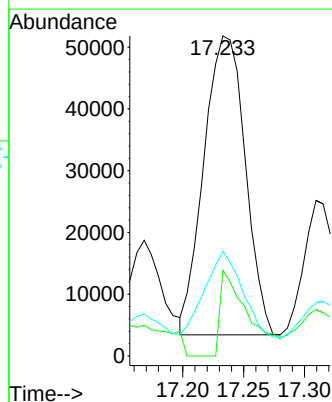
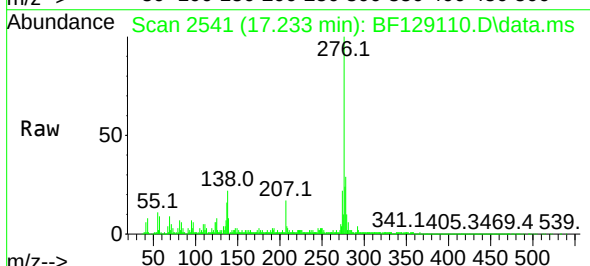
Reviewed By :Christian Giraldo 07/05/2022
Supervised By :Jagrut Upadhyay 07/05/2022

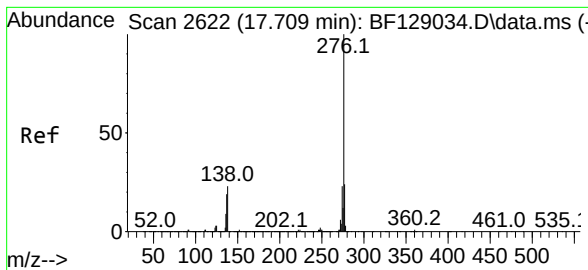
Supervised By :Jagrut
Upadhyay
07/05/2022



#91
Dibenzo(a,h)anthracene
Concen: 4.472 ng
RT: 17.233 min Scan# 2541
Delta R.T. -0.018 min
Lab File: BF129110.D
Acq: 02 Jul 2022 00:30

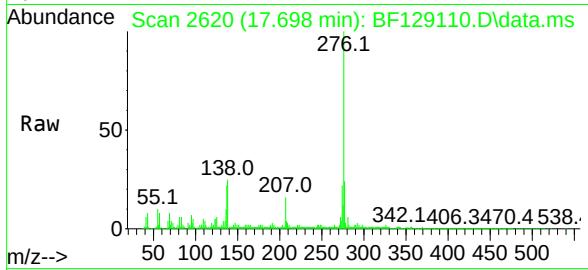
Tgt Ion:278 Resp: 114214
Ion Ratio Lower Upper
278 100
139 26.7 12.8 19.2#
279 32.7 18.6 28.0#





#92
 Benzo(g,h,i)perylene
 Concen: 14.950 ng
 RT: 17.698 min Scan# 2620
 Delta R.T. -0.012 min
 Lab File: BF129110.D
 Acq: 02 Jul 2022 00:30

Instrument :
 BNA_F
 ClientSampleId :
 CL-02-062922DL



Tgt Ion: 276 Resp: 383070
 Ion Ratio Lower Upper
 276 100
 277 24.3 19.1 28.7
 138 24.9 18.0 27.0

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 07/05/2022
 Supervised By : Jagrut Upadhyay 07/05/2022

Supervised By : Jagrut
 Upadhyay
 07/05/2022

