

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042522\
 Data File : BF127898.D
 Acq On : 25 Apr 2022 23:40
 Operator : CG\JU
 Sample : N2476-01DL 10X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PAT-01-041922DL

Quant Time: Apr 26 05:41:11 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042222.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sun Apr 24 00:43:03 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Christian
 Giraldo
 04/27/2022

Supervised By :Jagrut
 Upadhyay
 04/28/2022

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							04/27/2022
1) 1,4-Dichlorobenzene-d4	6.939	152	178407	20.000	ng	0.00	Supervised By :Jagrut Upadhyay
21) Naphthalene-d8	8.222	136	664573	20.000	ng	0.00	
39) Acenaphthene-d10	9.980	164	348323	20.000	ng	0.00	
64) Phenanthrene-d10	11.474	188	525609	20.000	ng	0.00	
76) Chrysene-d12	14.121	240	337538	20.000	ng	0.00	
86) Perylene-d12	15.639	264	335099	20.000	ng	0.00	04/28/2022
System Monitoring Compounds							
5) 2-Fluorophenol	5.551	112	120805	10.785	ng	-0.01	
7) Phenol-d6	6.551	99	154030	10.598	ng	-0.02	
23) Nitrobenzene-d5	7.498	82	100104	7.083	ng	-0.01	
42) 2,4,6-Tribromophenol	10.769	330	31532	8.993	ng	-0.01	
45) 2-Fluorobiphenyl	9.298	172	173692	8.436	ng	0.00	
79) Terphenyl-d14	13.057	244	129353	7.008	ng	0.00	
Target Compounds							Qvalue
31) Naphthalene	8.245	128	112849	3.334	ng		97
49) Acenaphthylene	9.845	152	62741	2.088	ng		99
52) Acenaphthene	10.016	154	57676	2.855	ng		98
55) Dibenzofuran	10.186	168	68940	2.366	ng		97
58) Fluorene	10.527	166	106424	4.894	ng		98
71) Phenanthrene	11.498	178	589357	21.421	ng		99
72) Anthracene	11.551	178	185599	6.772	ng		98
75) Fluoranthene	12.692	202	732299	25.289	ng		98
78) Pyrene	12.921	202	665933	24.440	ng		99
81) Benzo(a)anthracene	14.110	228	355945	15.821	ng		94
83) Chrysene	14.145	228	297829	13.861	ng		97
87) Indeno(1,2,3-cd)pyrene	17.174	276	155644	6.959	ng		95
88) Benzo(b)fluoranthene	15.186	252	424160m	20.153	ng		
89) Benzo(k)fluoranthene	15.209	252	136238m	6.425	ng		
90) Benzo(a)pyrene	15.568	252	308011	17.643	ng		99
91) Dibenzo(a,h)anthracene	17.186	278	39798	2.219	ng		93
92) Benzo(g,h,i)perylene	17.645	276	144783	7.659	ng		99

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042522\
Data File : BF127898.D
Acq On : 25 Apr 2022 23:40
Operator : CG\JU
Sample : N2476-01DL 10X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PAT-01-041922DL

Quant Time: Apr 26 05:41:11 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042222.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Apr 24 00:43:03 2022
Response via : Initial Calibration

Manual Integrations
APPROVED

Reviewed By :Christian
Giraldo

04/27/2022

Supervised By :Jagrut

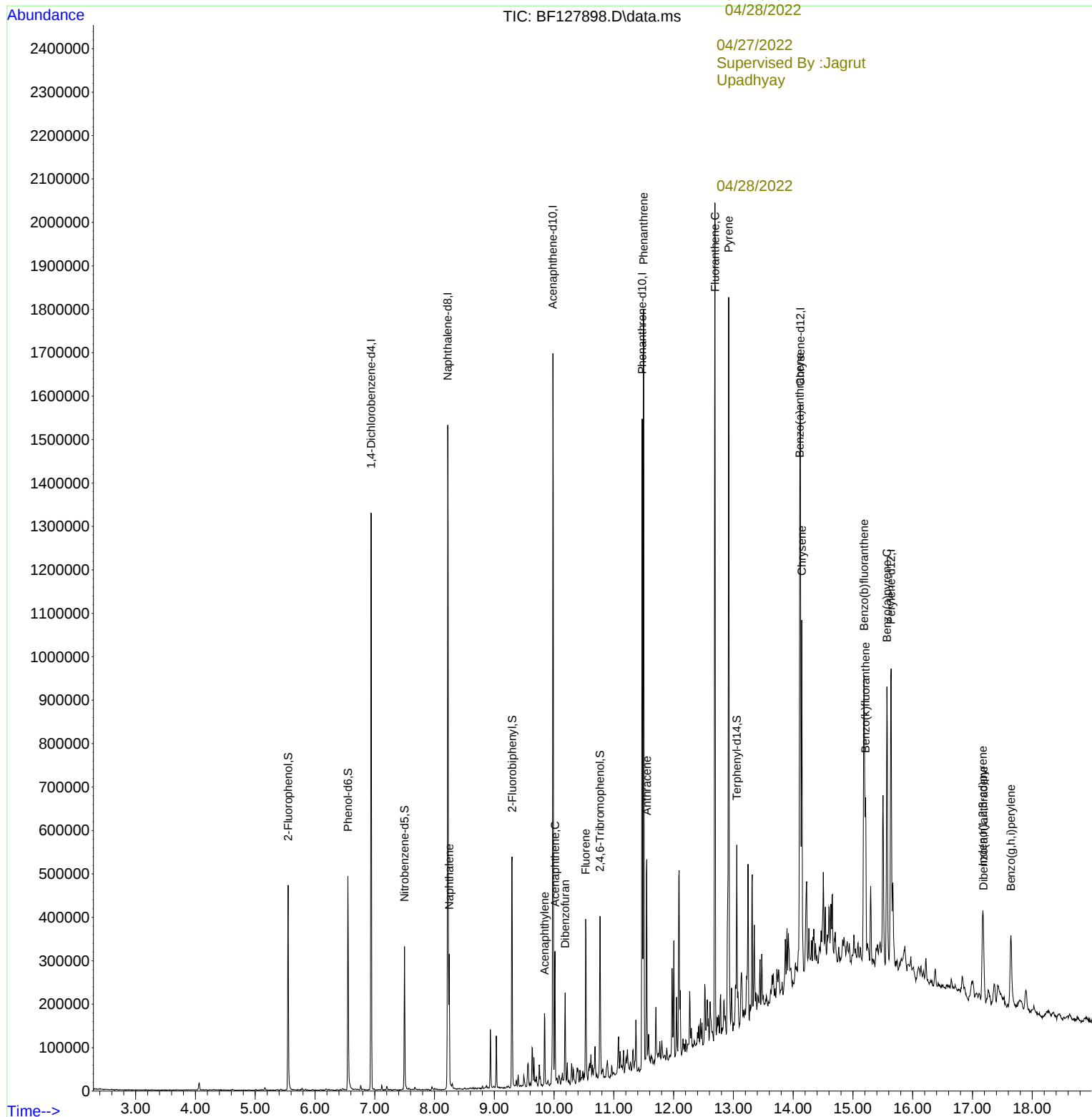
Upadhyay

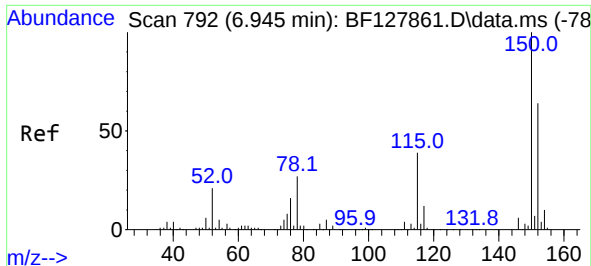
04/28/2022

04/27/2022

Supervised By :Jagrut

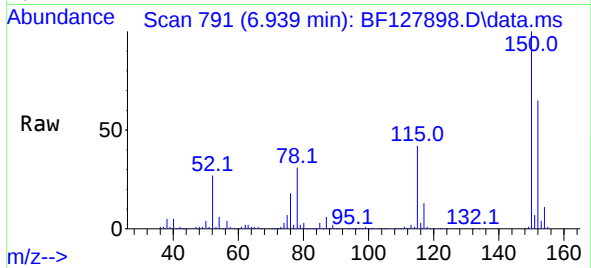
Upadhyay





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.939 min Scan# 792
Delta R.T. -0.006 min
Lab File: BF127898.D
Acq: 25 Apr 2022 23:40

Instrument :
BNA_F
ClientSampleId :
PAT-01-041922DL



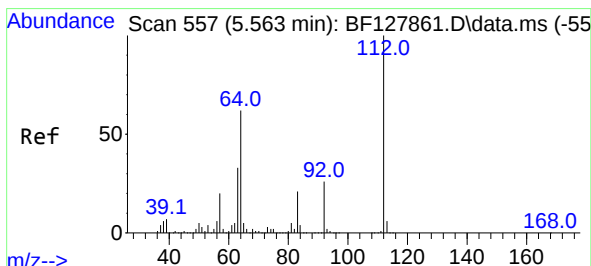
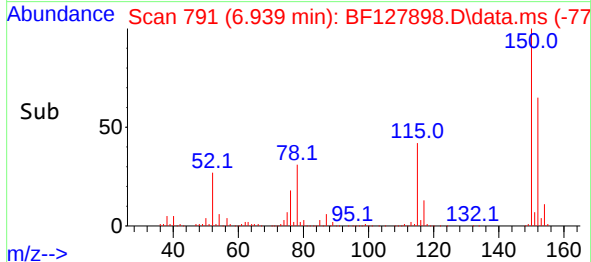
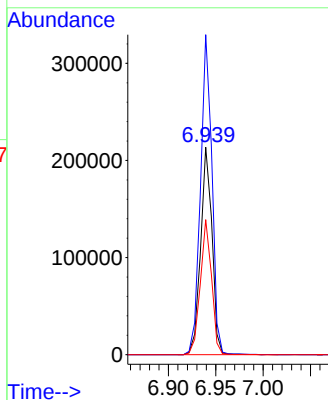
Tgt Ion:152 Resp: 17840
Ion Ratio Lower Upper
152 100
150 154.3 125.3 187.9
115 65.1 48.8 73.2

Manual Integrations
APPROVED

Reviewed By :Christian
Giraldo
04/27/2022

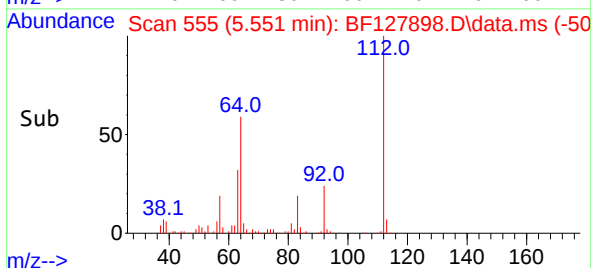
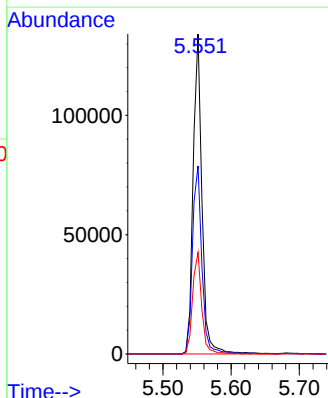
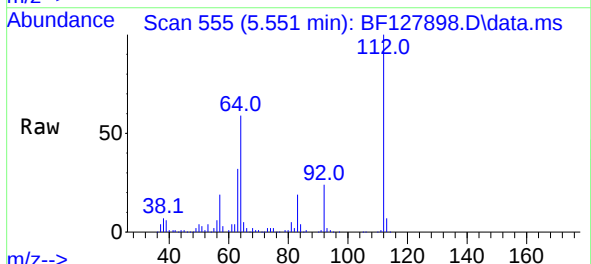
Supervised By :Jagrut
Upadhyay
04/28/2022

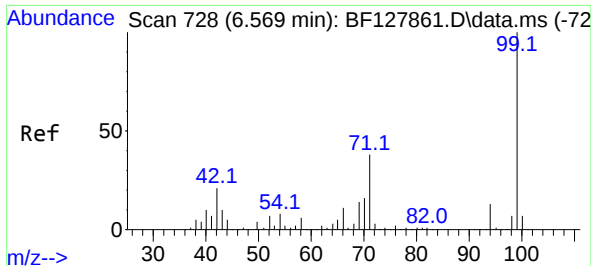
04/27/2022
Supervised By :Jagrut
Upadhyay



#5
2-Fluorophenol
Concen: 10.785 ng
RT: 5.551 min Scan# 555
Delta R.T. -0.012 min
Lab File: BF127898.D
Acq: 25 Apr 2022 23:40

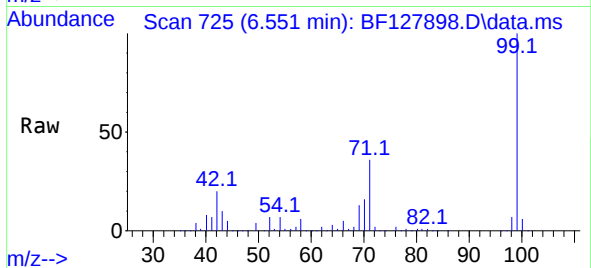
Tgt Ion:112 Resp: 120805
Ion Ratio Lower Upper
112 100
64 58.8 49.5 74.3
63 31.7 26.3 39.5





#7
Phenol-d6
Concen: 10.598 ng
RT: 6.551 min Scan# 71
Delta R.T. -0.018 min
Lab File: BF127898.D
Acq: 25 Apr 2022 23:40

Instrument :
BNA_F
ClientSampleId :
PAT-01-041922DL



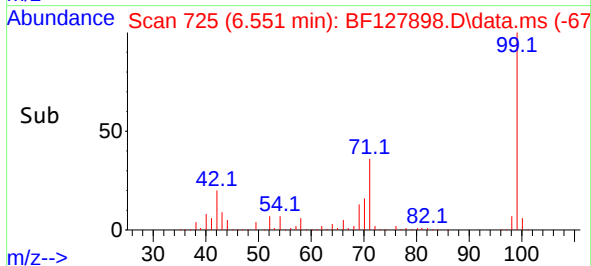
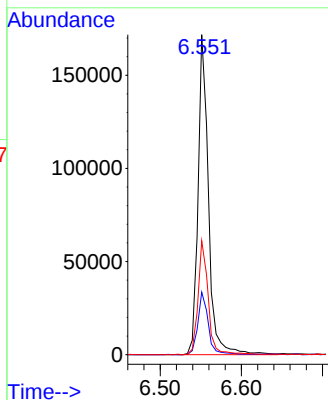
Tgt Ion: 99 Resp: 154030
Ion Ratio Lower Upper
99 100
42 19.5 16.6 24.8
71 35.6 30.0 45.0

Manual Integrations
APPROVED

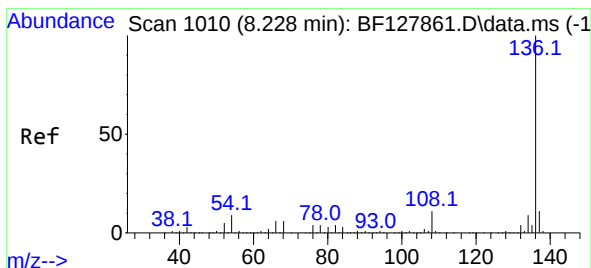
Reviewed By :Christian
Giraldo
04/27/2022

Supervised By :Jagrut
Upadhyay
04/28/2022

04/27/2022
Supervised By :Jagrut
Upadhyay

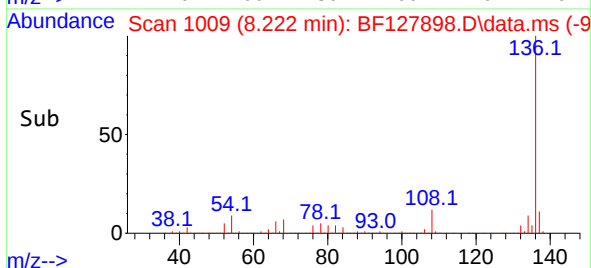
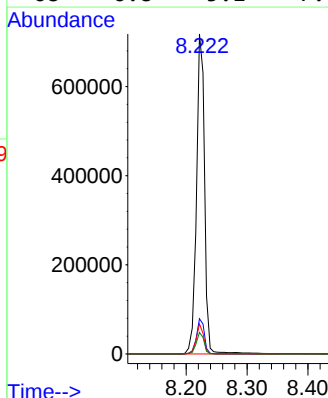
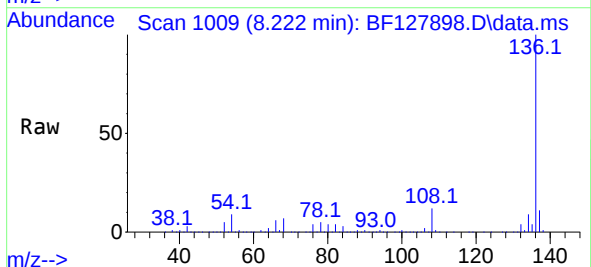


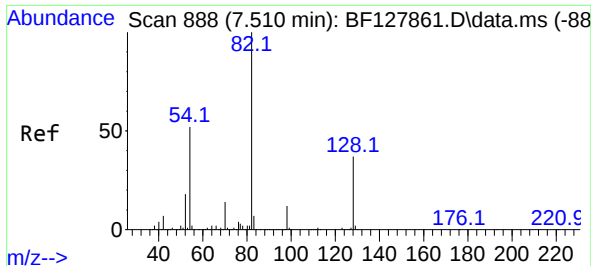
04/28/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.222 min Scan# 1009
Delta R.T. -0.006 min
Lab File: BF127898.D
Acq: 25 Apr 2022 23:40

Tgt Ion:136 Resp: 664573
Ion Ratio Lower Upper
136 100
137 11.0 8.6 13.0
54 9.4 6.8 10.2
68 6.8 5.1 7.7





#23

Nitrobenzene-d5

Concen: 7.083 ng

RT: 7.498 min Scan# 81

Delta R.T. -0.012 min

Lab File: BF127898.D

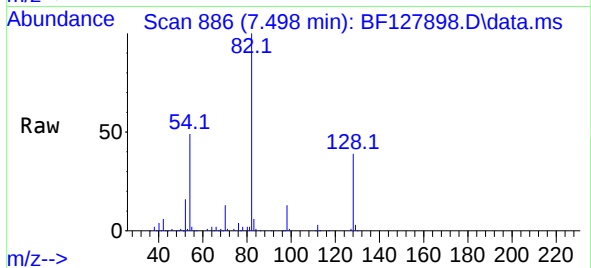
Acq: 25 Apr 2022 23:40

Instrument :

BNA_F

ClientSampleId :

PAT-01-041922DL



Tgt Ion: 82 Resp: 100104

Ion	Ratio	Lower	Upper
82	100		
128	39.2	30.0	45.0
54	49.5	41.3	61.9

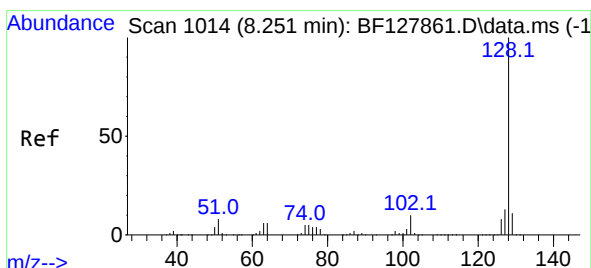
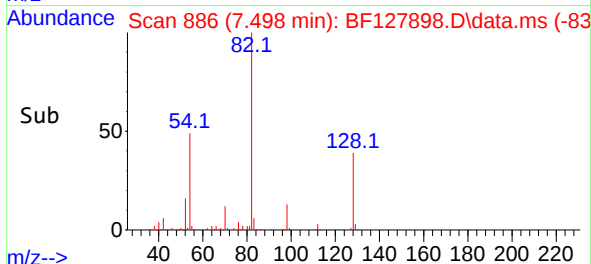
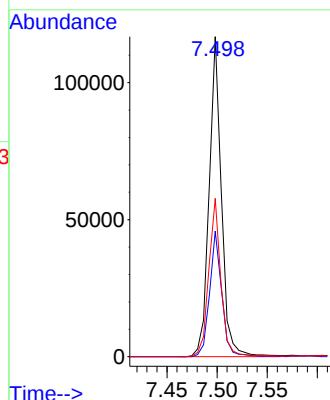
Manual Integrations
APPROVED

Reviewed By :Christian
Giraldo

04/27/2022

Supervised By :Jagrut
Upadhyay
04/28/2022

04/27/2022
Supervised By :Jagrut
Upadhyay



#31

Naphthalene

Concen: 3.334 ng

RT: 8.245 min Scan# 1013

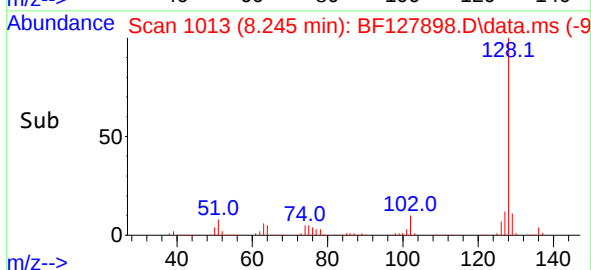
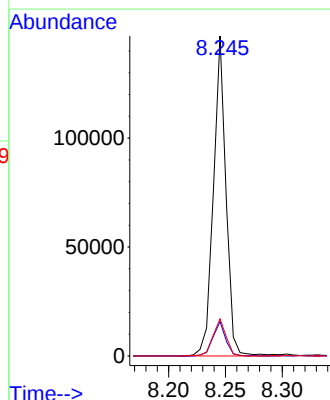
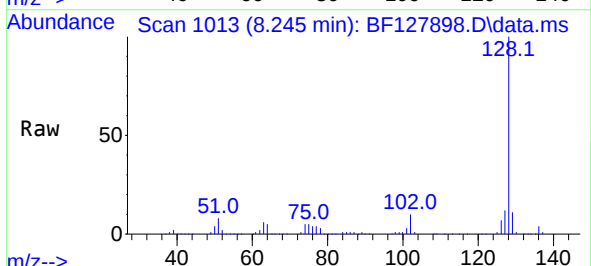
Delta R.T. -0.006 min

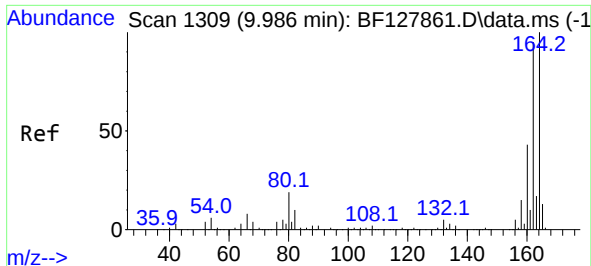
Lab File: BF127898.D

Acq: 25 Apr 2022 23:40

Tgt Ion:128 Resp: 112849

Ion	Ratio	Lower	Upper
128	100		
129	10.7	9.0	13.4
127	11.6	10.6	16.0





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.980 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF127898.D

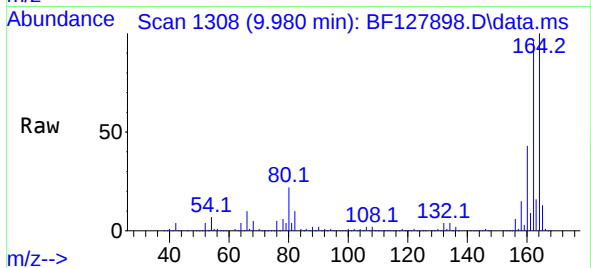
Acq: 25 Apr 2022 23:40

Instrument :

BNA_F

ClientSampleId :

PAT-01-041922DL



Tgt Ion:164 Resp: 34832

Ion Ratio Lower Upper

164 100

162 96.5 76.0 114.0

160 42.9 34.8 52.2

Manual Integrations

APPROVED

Reviewed By :Christian

Giraldo

04/27/2022

Supervised By :Jagrut

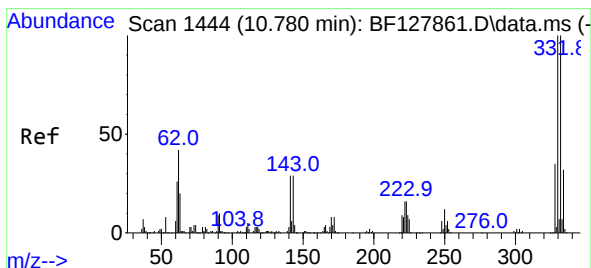
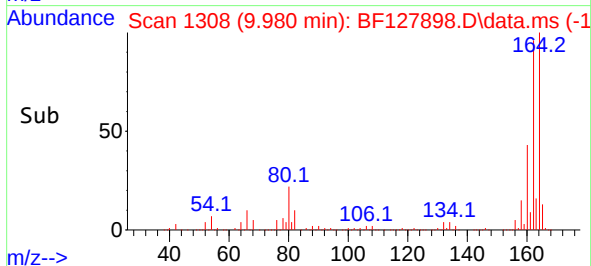
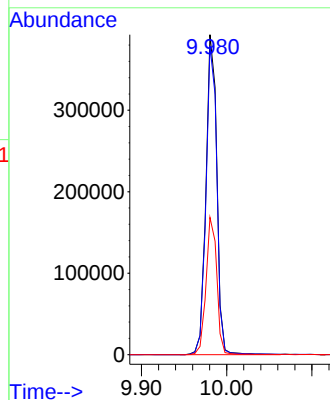
Upadhyay

04/28/2022

04/27/2022

Supervised By :Jagrut

Upadhyay



#42

2,4,6-Tribromophenol

Concen: 8.993 ng

RT: 10.769 min Scan# 1442

Delta R.T. -0.012 min

Lab File: BF127898.D

Acq: 25 Apr 2022 23:40

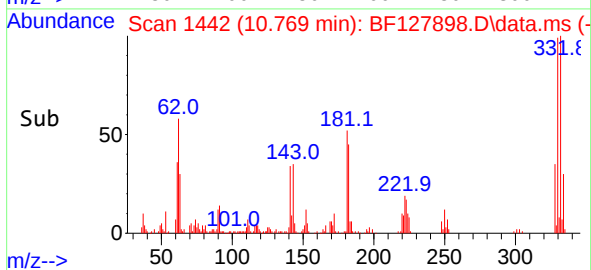
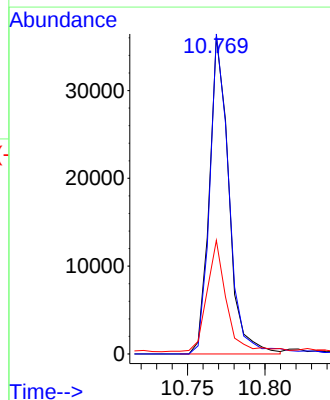
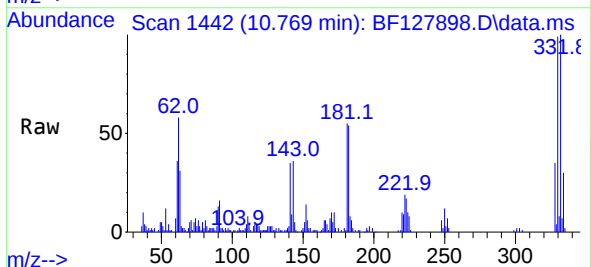
Tgt Ion:330 Resp: 31532

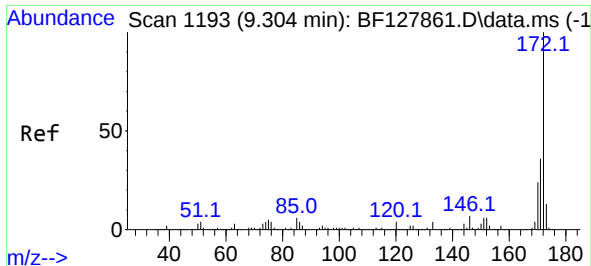
Ion Ratio Lower Upper

330 100

332 101.5 79.0 118.4

141 35.1 28.9 43.3





#45

2-Fluorobiphenyl

Concen: 8.436 ng

RT: 9.298 min Scan# 1192

Delta R.T. -0.006 min

Lab File: BF127898.D

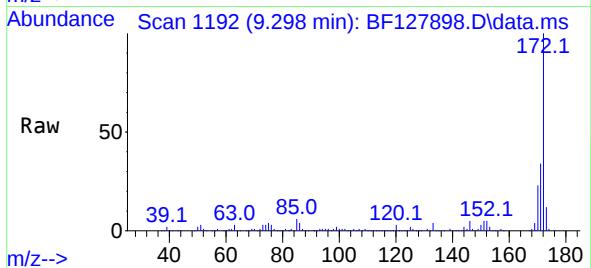
Acq: 25 Apr 2022 23:40

Instrument :

BNA_F

ClientSampleId :

PAT-01-041922DL



Tgt Ion:172 Resp: 173692

Ion Ratio Lower Upper

172 100

171 33.9 28.6 42.8

170 22.7 19.1 28.7

Manual Integrations

APPROVED

Reviewed By :Christian

Giraldo

04/27/2022

Supervised By :Jagrut

Upadhyay

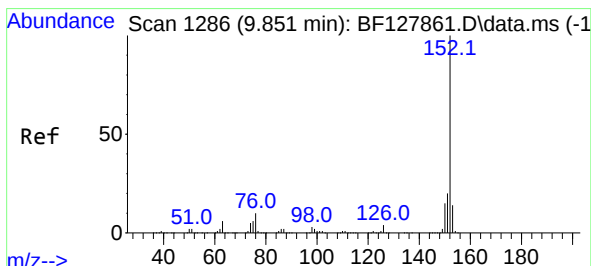
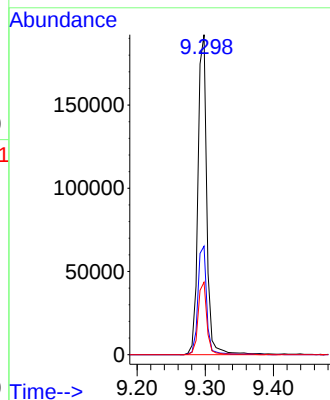
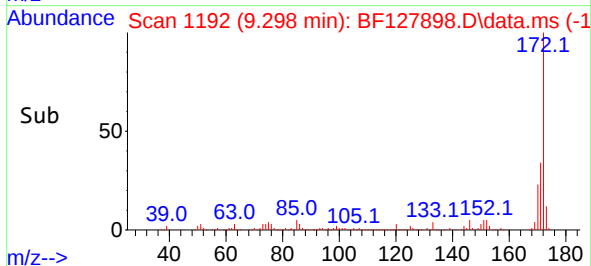
04/28/2022

04/27/2022

Supervised By :Jagrut

Upadhyay

04/28/2022



#49

Acenaphthylene

Concen: 2.088 ng

RT: 9.845 min Scan# 1285

Delta R.T. -0.006 min

Lab File: BF127898.D

Acq: 25 Apr 2022 23:40

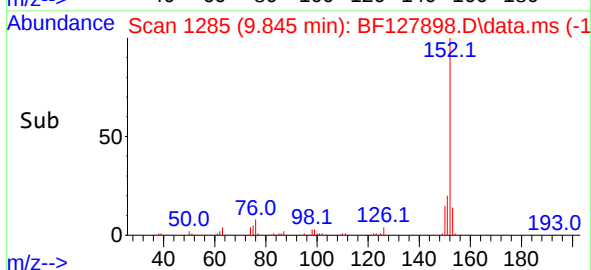
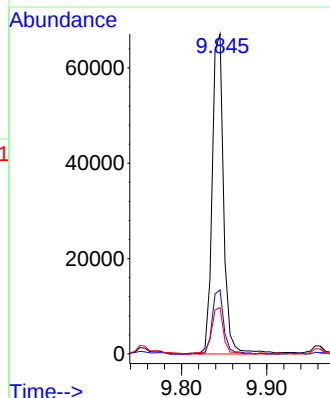
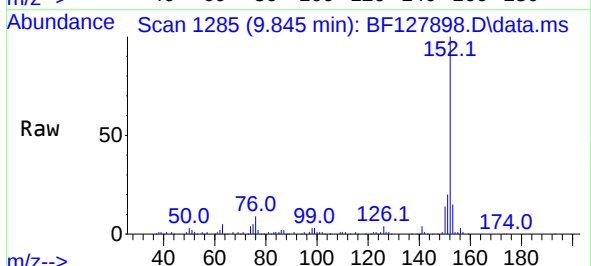
Tgt Ion:152 Resp: 62741

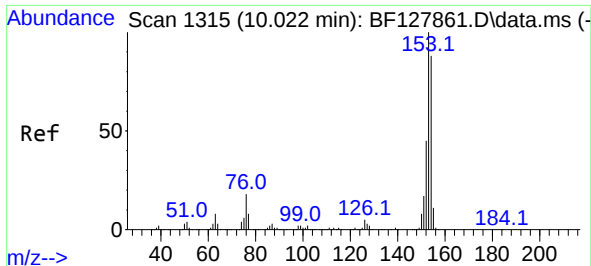
Ion Ratio Lower Upper

152 100

151 20.0 16.2 24.2

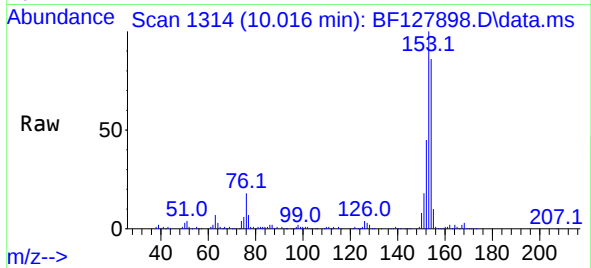
153 14.5 11.2 16.8





#52
Acenaphthene
Concen: 2.855 ng
RT: 10.016 min Scan# 1314
Delta R.T. -0.006 min
Lab File: BF127898.D
Acq: 25 Apr 2022 23:40

Instrument :
BNA_F
ClientSampleId :
PAT-01-041922DL



Tgt Ion:154 Resp: 57670
Ion Ratio Lower Upper
154 100
153 116.1 90.5 135.7
152 51.8 41.0 61.6

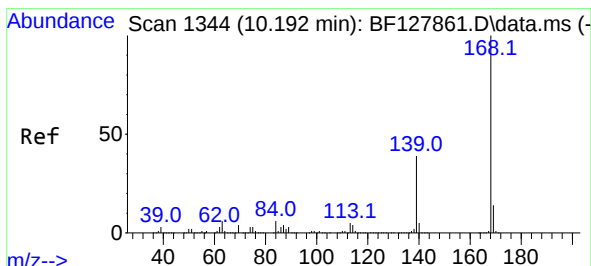
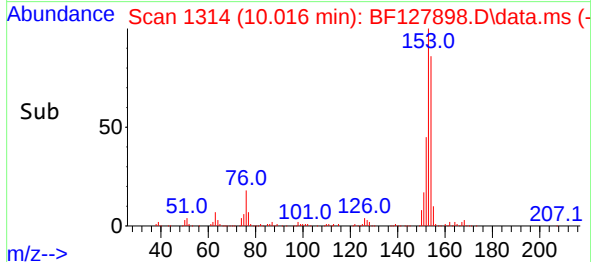
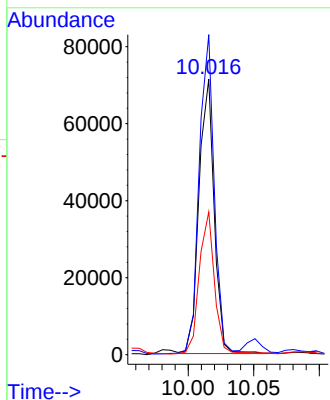
Manual Integrations
APPROVED

Reviewed By :Christian
Giraldo
04/27/2022

Supervised By :Jagrut
Upadhyay
04/28/2022

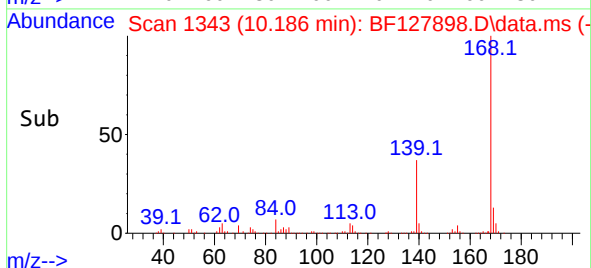
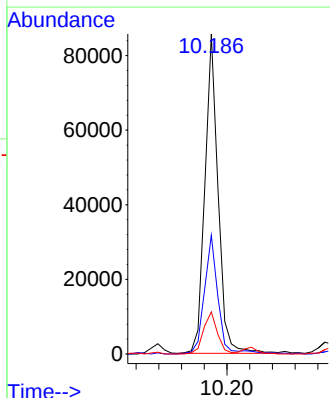
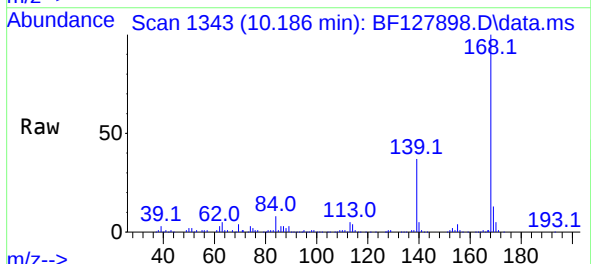
04/27/2022
Supervised By :Jagrut
Upadhyay

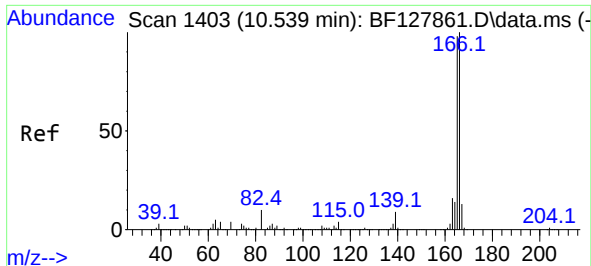
04/28/2022



#55
Dibenzofuran
Concen: 2.366 ng
RT: 10.186 min Scan# 1343
Delta R.T. -0.006 min
Lab File: BF127898.D
Acq: 25 Apr 2022 23:40

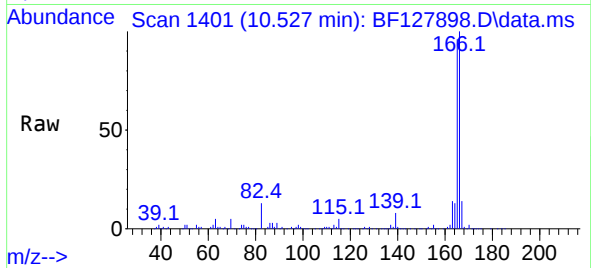
Tgt Ion:168 Resp: 68940
Ion Ratio Lower Upper
168 100
139 37.1 31.7 47.5
169 13.2 10.9 16.3





#58
Fluorene
Concen: 4.894 ng
RT: 10.527 min Scan# 1401
Delta R.T. -0.012 min
Lab File: BF127898.D
Acq: 25 Apr 2022 23:40

Instrument :
BNA_F
ClientSampleId :
PAT-01-041922DL



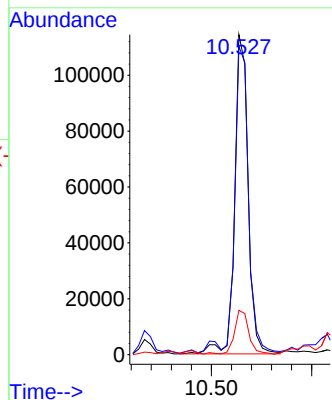
Tgt Ion:166 Resp: 106424
Ion Ratio Lower Upper
166 100
165 96.3 78.6 117.8
167 13.9 10.5 15.7

Manual Integrations
APPROVED

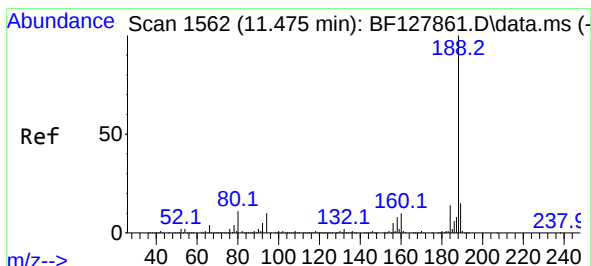
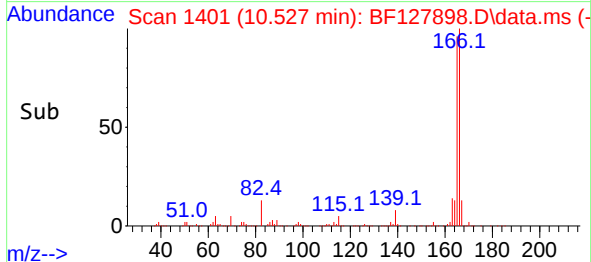
Reviewed By :Christian
Giraldo
04/27/2022

Supervised By :Jagrut
Upadhyay
04/28/2022

04/27/2022
Supervised By :Jagrut
Upadhyay

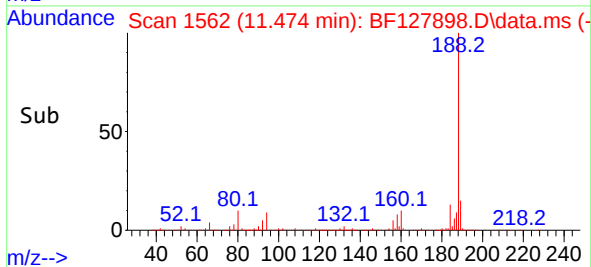
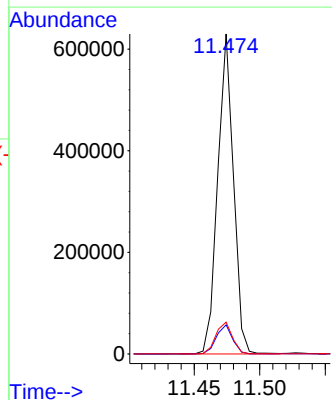
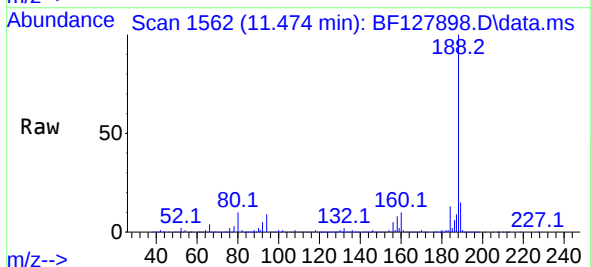


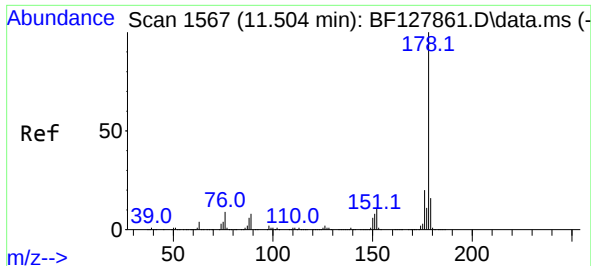
04/28/2022



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.474 min Scan# 1562
Delta R.T. -0.000 min
Lab File: BF127898.D
Acq: 25 Apr 2022 23:40

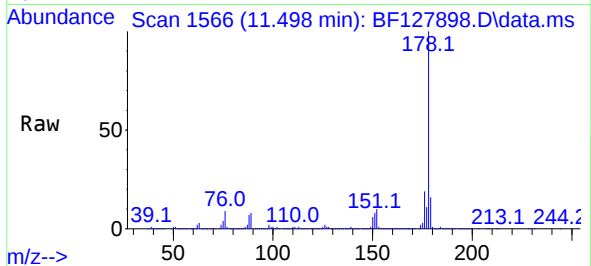
Tgt Ion:188 Resp: 525609
Ion Ratio Lower Upper
188 100
94 9.1 8.0 12.0
80 10.0 8.9 13.3





#71
Phenanthrene
Concen: 21.421 ng
RT: 11.498 min Scan# 1567
Delta R.T. -0.006 min
Lab File: BF127898.D
Acq: 25 Apr 2022 23:40

Instrument :
BNA_F
ClientSampleId :
PAT-01-041922DL



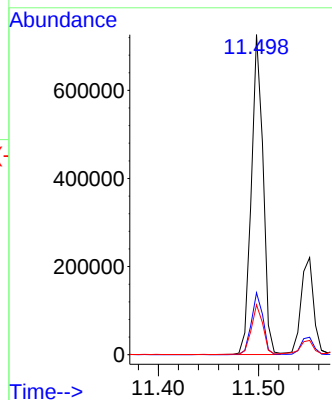
Tgt Ion:178 Resp: 58935
Ion Ratio Lower Upper
178 100
176 19.4 15.7 23.5
179 15.6 12.6 19.0

Manual Integrations
APPROVED

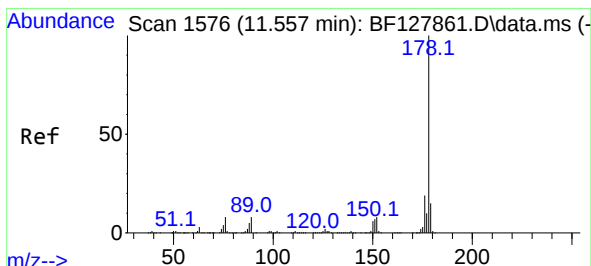
Reviewed By :Christian
Giraldo
04/27/2022

Supervised By :Jagrut
Upadhyay
04/28/2022

04/27/2022
Supervised By :Jagrut
Upadhyay

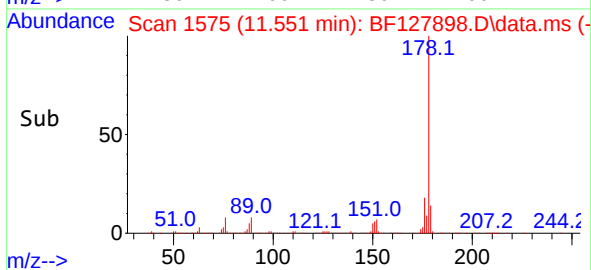
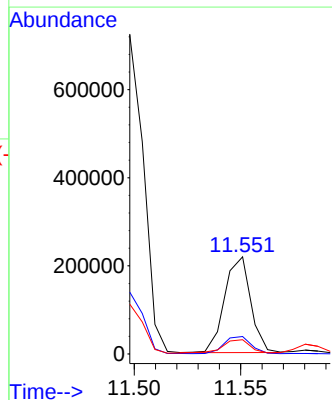
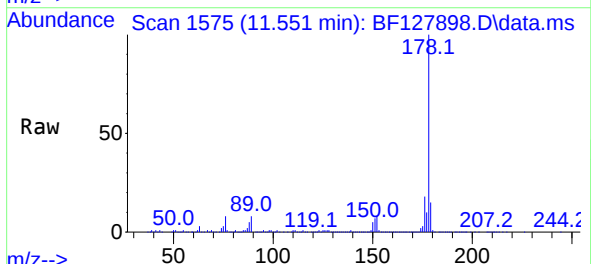


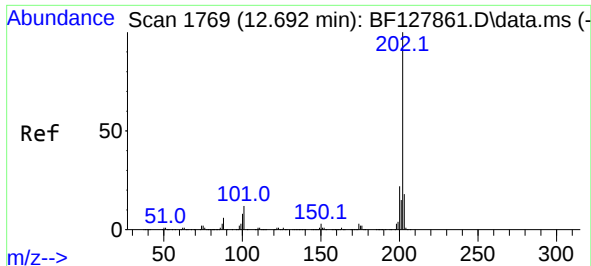
04/28/2022



#72
Anthracene
Concen: 6.772 ng
RT: 11.551 min Scan# 1575
Delta R.T. -0.006 min
Lab File: BF127898.D
Acq: 25 Apr 2022 23:40

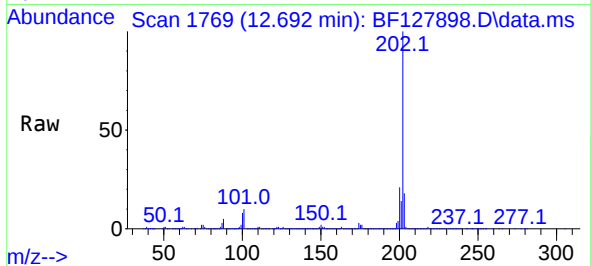
Tgt Ion:178 Resp: 185599
Ion Ratio Lower Upper
178 100
176 18.0 15.0 22.6
179 14.7 12.4 18.6





#75
Fluoranthene
Concen: 25.289 ng
RT: 12.692 min Scan# 1769
Delta R.T. -0.000 min
Lab File: BF127898.D
Acq: 25 Apr 2022 23:40

Instrument :
BNA_F
ClientSampleId :
PAT-01-041922DL



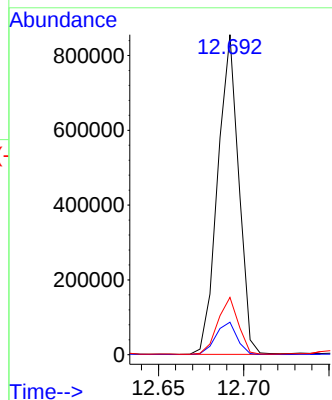
Tgt Ion:202 Resp: 732295
Ion Ratio Lower Upper
202 100
101 10.1 0.0 31.6
203 17.9 0.0 38.1

Manual Integrations
APPROVED

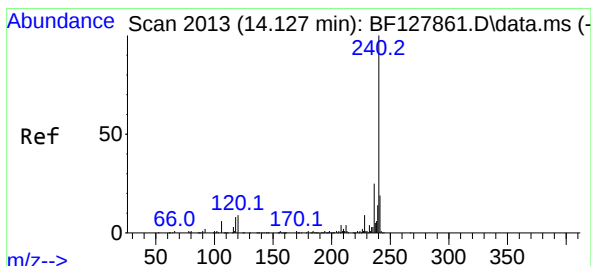
Reviewed By :Christian
Giraldo
04/27/2022

Supervised By :Jagrut
Upadhyay
04/28/2022

04/27/2022
Supervised By :Jagrut
Upadhyay

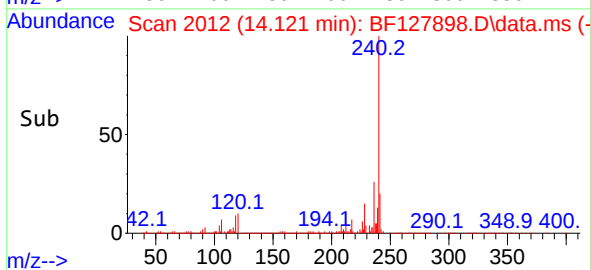
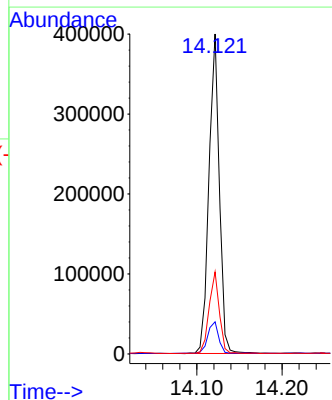
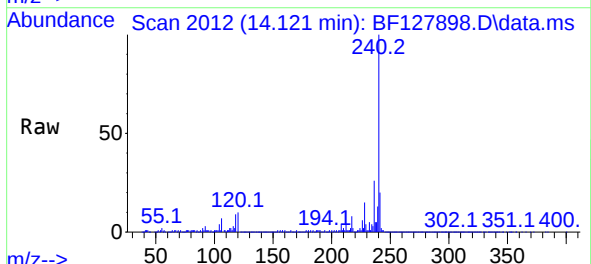


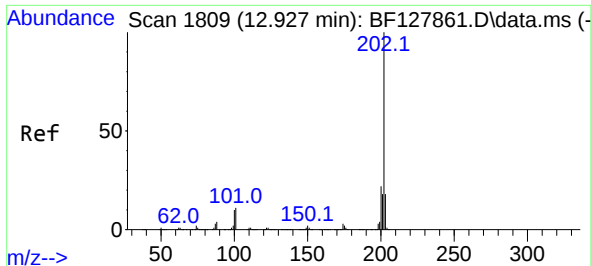
04/28/2022



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.121 min Scan# 2012
Delta R.T. -0.006 min
Lab File: BF127898.D
Acq: 25 Apr 2022 23:40

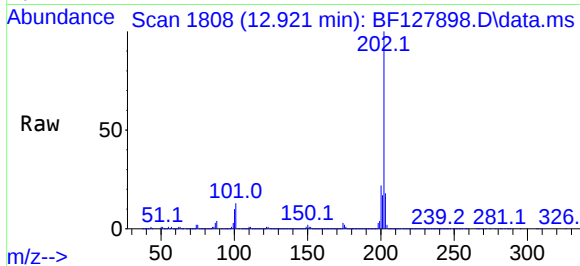
Tgt Ion:240 Resp: 337538
Ion Ratio Lower Upper
240 100
120 10.1 7.0 10.6
236 25.7 20.3 30.5





#78
Pyrene
Concen: 24.440 ng
RT: 12.921 min Scan# 1808
Delta R.T. -0.006 min
Lab File: BF127898.D
Acq: 25 Apr 2022 23:40

Instrument :
BNA_F
ClientSampleId :
PAT-01-041922DL



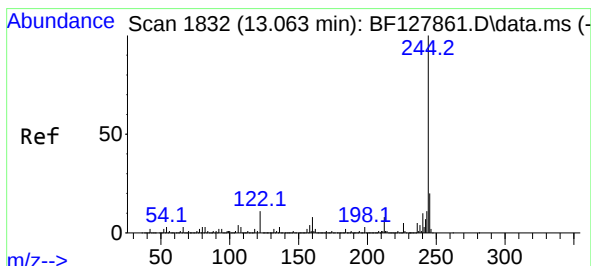
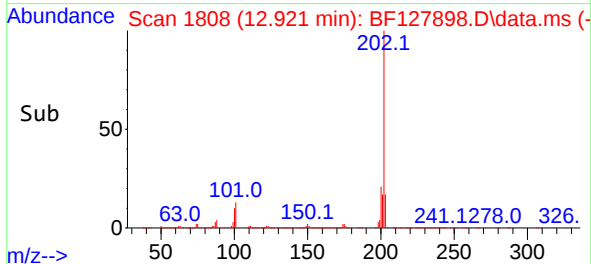
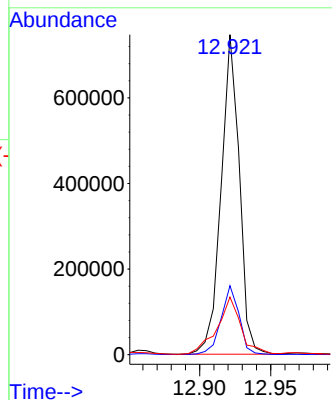
Tgt Ion:202 Resp: 665933
Ion Ratio Lower Upper
202 100
200 21.6 17.4 26.2
203 18.0 14.0 21.0

Manual Integrations
APPROVED

Reviewed By :Christian
Giraldo
04/27/2022

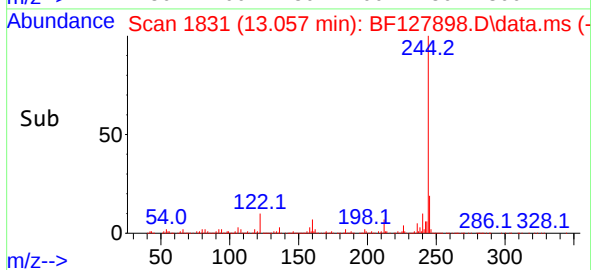
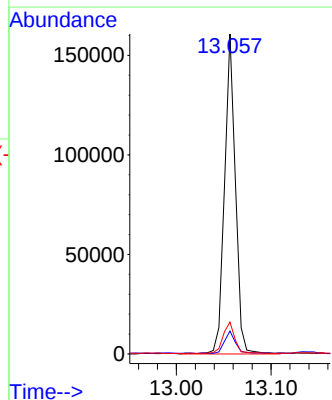
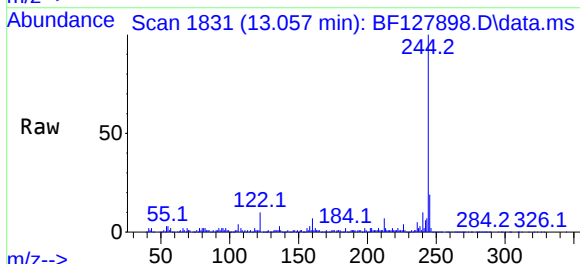
Supervised By :Jagrut
Upadhyay
04/28/2022

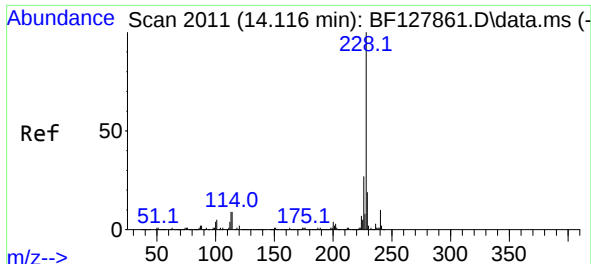
04/27/2022
Supervised By :Jagrut
Upadhyay



#79
Terphenyl-d14
Concen: 7.008 ng
RT: 13.057 min Scan# 1831
Delta R.T. -0.006 min
Lab File: BF127898.D
Acq: 25 Apr 2022 23:40

Tgt Ion:244 Resp: 129353
Ion Ratio Lower Upper
244 100
212 7.2 6.2 9.4
122 10.0 8.6 12.8





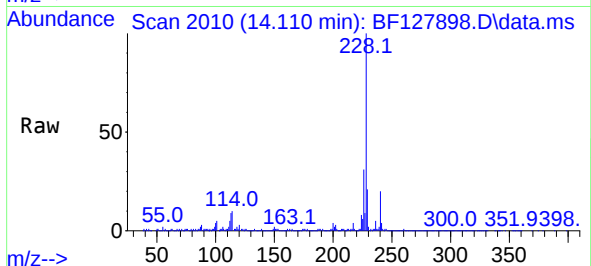
#81
Benzo(a)anthracene
Concen: 15.821 ng
RT: 14.110 min Scan# 2010
Delta R.T. -0.006 min
Lab File: BF127898.D
Acq: 25 Apr 2022 23:40

Instrument :

BNF_F

ClientSampleId :

PAT-01-041922DL



Tgt Ion:228 Resp: 355945
Ion Ratio Lower Upper
228 100
226 31.4 21.7 32.5
229 20.9 15.4 23.2

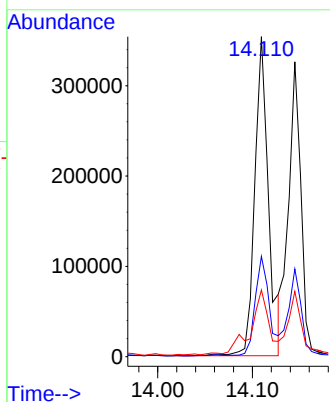
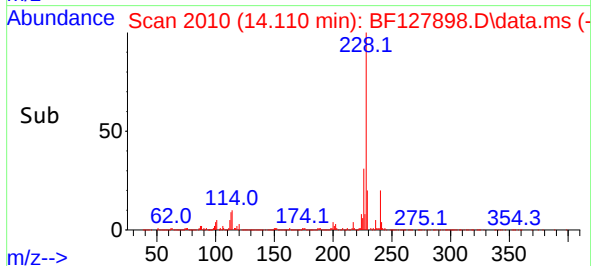
Manual Integrations
APPROVED

Reviewed By :Christian
Giraldo

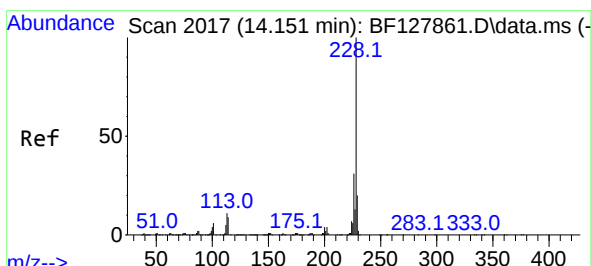
04/27/2022

Supervised By :Jagrut
Upadhyay
04/28/2022

04/27/2022
Supervised By :Jagrut
Upadhyay

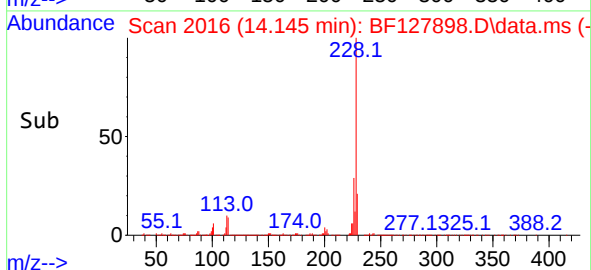
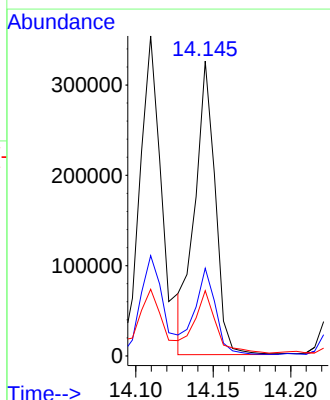
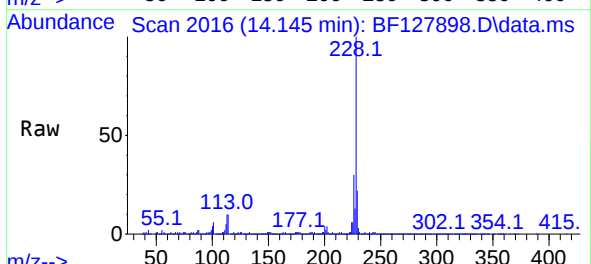


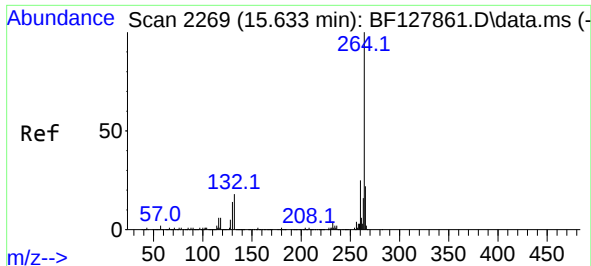
04/28/2022



#83
Chrysene
Concen: 13.861 ng
RT: 14.145 min Scan# 2016
Delta R.T. -0.006 min
Lab File: BF127898.D
Acq: 25 Apr 2022 23:40

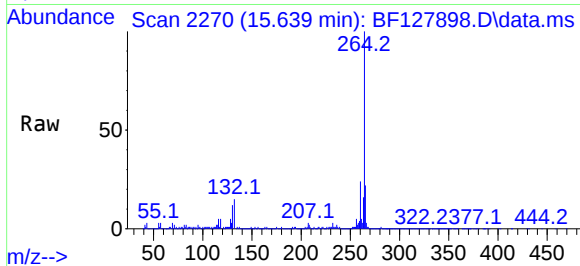
Tgt Ion:228 Resp: 297829
Ion Ratio Lower Upper
228 100
226 29.7 24.4 36.6
229 22.1 15.8 23.8





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.639 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF127898.D
Acq: 25 Apr 2022 23:40

Instrument :
BNA_F
ClientSampleId :
PAT-01-041922DL



Tgt Ion:264 Resp: 335099
Ion Ratio Lower Upper
264 100
260 23.6 20.1 30.1
265 22.0 17.5 26.3

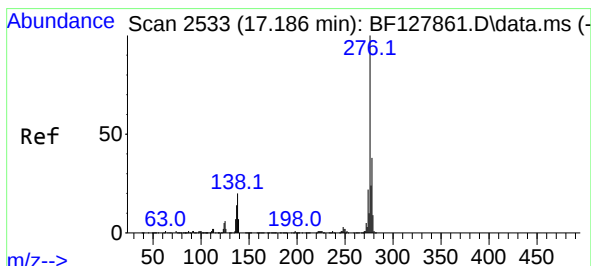
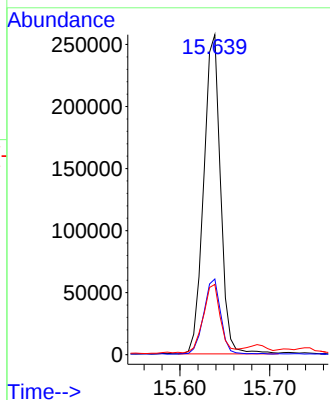
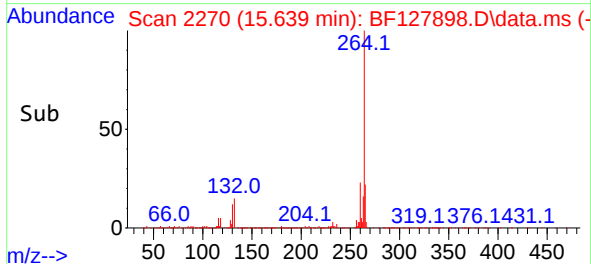
Manual Integrations
APPROVED

Reviewed By :Christian
Giraldo
04/27/2022

Supervised By :Jagrut
Upadhyay
04/28/2022

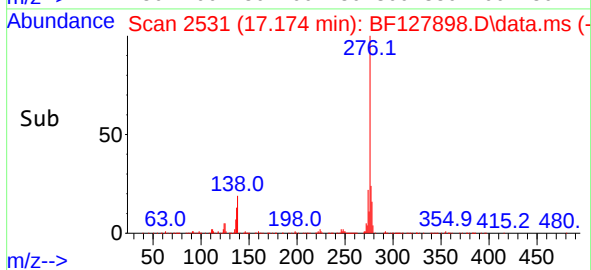
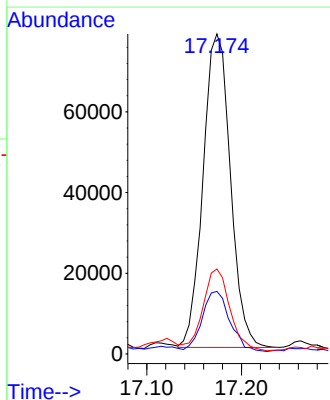
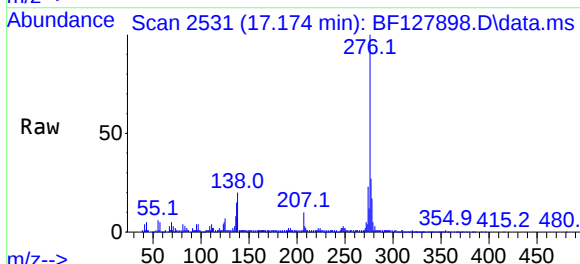
04/27/2022
Supervised By :Jagrut
Upadhyay

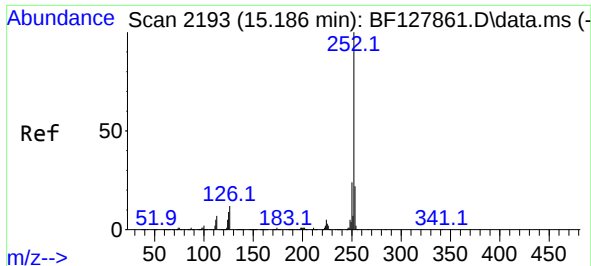
04/28/2022



#87
Indeno(1,2,3-cd)pyrene
Concen: 6.959 ng
RT: 17.174 min Scan# 2531
Delta R.T. -0.012 min
Lab File: BF127898.D
Acq: 25 Apr 2022 23:40

Tgt Ion:276 Resp: 155644
Ion Ratio Lower Upper
276 100
138 19.4 19.0 28.4
277 25.9 20.1 30.1





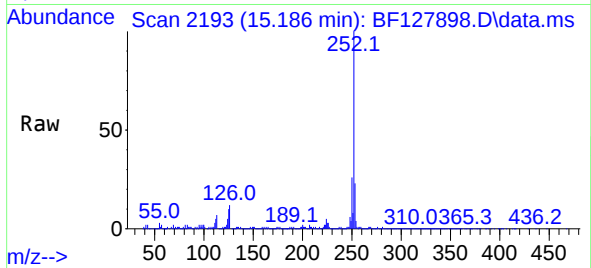
#88
Benzo(b)fluoranthene
Concen: 20.153 ng m
RT: 15.186 min Scan# 2193
Delta R.T. -0.000 min
Lab File: BF127898.D
Acq: 25 Apr 2022 23:40

Instrument :

BNF

ClientSampleId :

PAT-01-041922DL



Tgt Ion:252 Resp: 424160
Ion Ratio Lower Upper
252 100
253 23.0 17.4 26.2
125 10.2 7.4 11.2

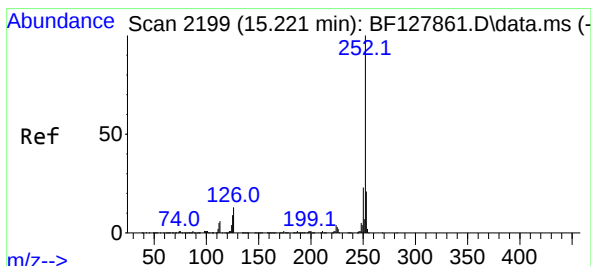
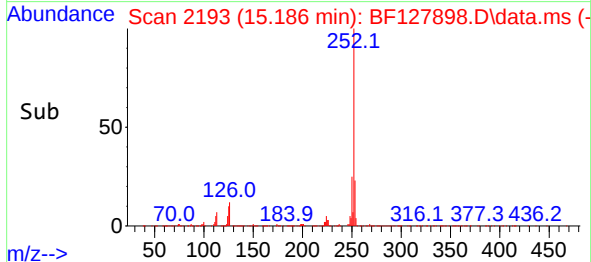
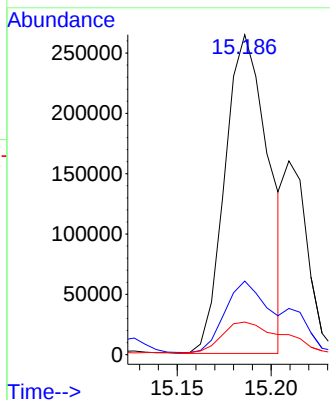
Manual Integrations
APPROVED

Reviewed By :Christian
Giraldo

04/27/2022

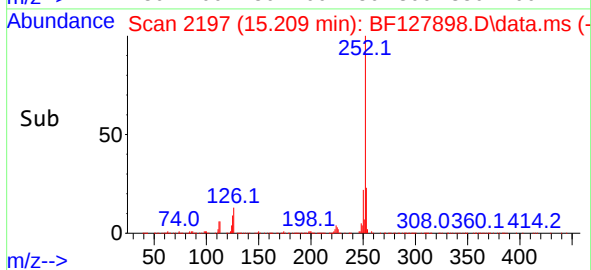
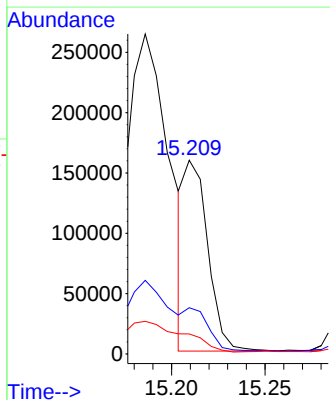
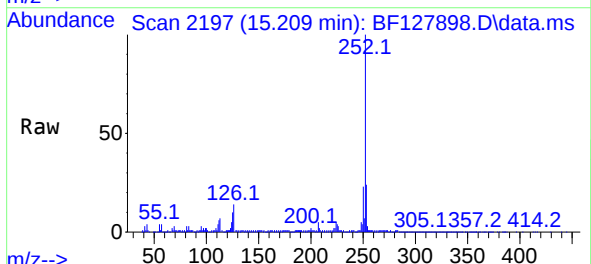
Supervised By :Jagrut
Upadhyay
04/28/2022

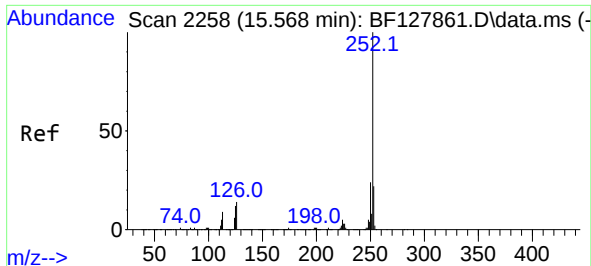
04/27/2022
Supervised By :Jagrut
Upadhyay



#89
Benzo(k)fluoranthene
Concen: 6.425 ng m
RT: 15.209 min Scan# 2197
Delta R.T. -0.012 min
Lab File: BF127898.D
Acq: 25 Apr 2022 23:40

Tgt Ion:252 Resp: 136238
Ion Ratio Lower Upper
252 100
253 23.9 17.0 25.4
125 10.3 6.8 10.2#





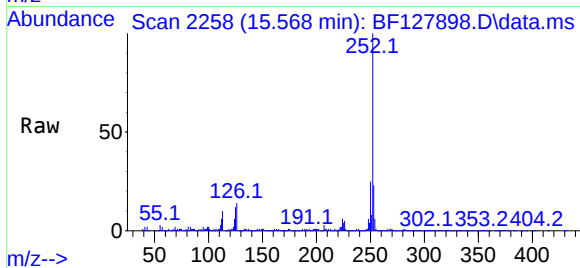
#90
Benzo(a)pyrene
Concen: 17.643 ng
RT: 15.568 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF127898.D
Acq: 25 Apr 2022 23:40

Instrument :

BNA_F

ClientSampleId :

PAT-01-041922DL



Tgt Ion:252 Resp: 30801
Ion Ratio Lower Upper
252 100
253 23.2 17.8 26.6
125 11.6 9.2 13.8

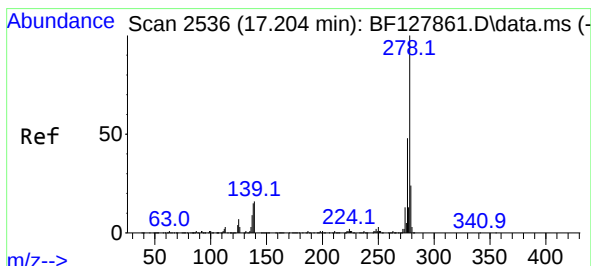
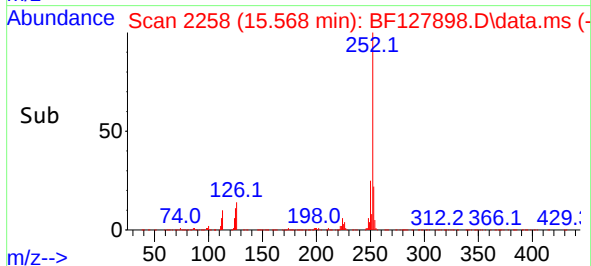
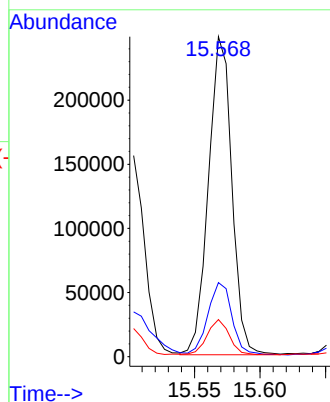
Manual Integrations
APPROVED

Reviewed By :Christian
Giraldo

04/27/2022

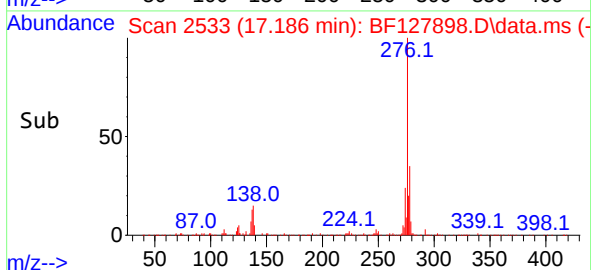
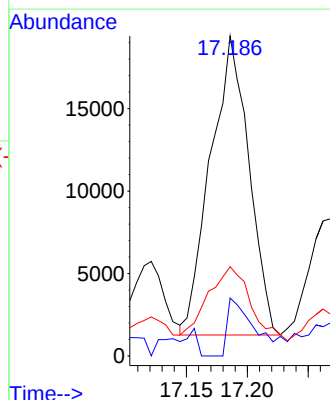
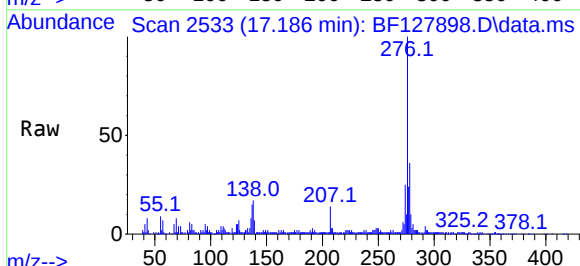
Supervised By :Jagrut
Upadhyay
04/28/2022

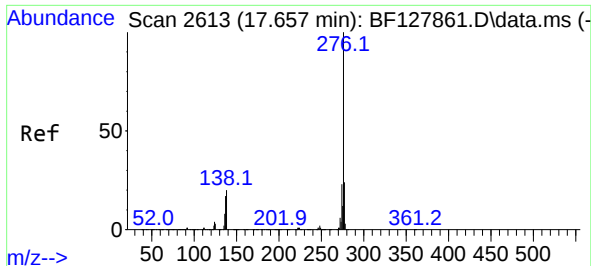
04/27/2022
Supervised By :Jagrut
Upadhyay



#91
Dibenzo(a,h)anthracene
Concen: 2.219 ng
RT: 17.186 min Scan# 2533
Delta R.T. -0.018 min
Lab File: BF127898.D
Acq: 25 Apr 2022 23:40

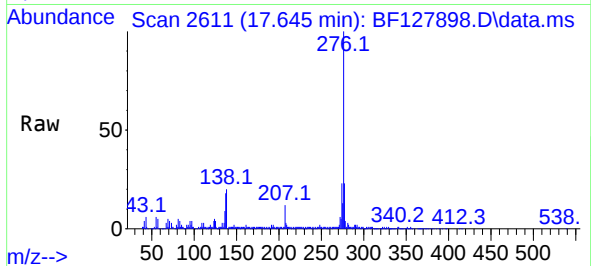
Tgt Ion:278 Resp: 39798
Ion Ratio Lower Upper
278 100
139 18.1 12.6 19.0
279 27.9 18.9 28.3





#92
Benzo(g,h,i)perylene
Concen: 7.659 ng
RT: 17.645 min Scan# 20
Delta R.T. -0.012 min
Lab File: BF127898.D
Acq: 25 Apr 2022 23:40

Instrument :
BNA_F
ClientSampleId :
PAT-01-041922DL

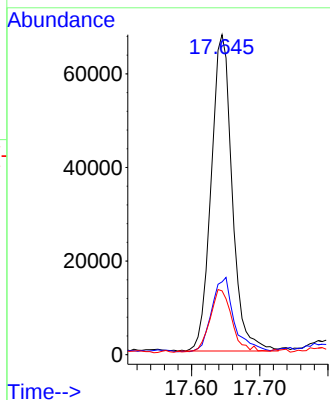


Tgt Ion: 276 Resp: 14478
Ion Ratio Lower Upper
276 100
277 22.8 18.8 28.2
138 20.0 16.2 24.2

Manual Integrations
APPROVED

Reviewed By : Christian
Giraldo
04/27/2022

Supervised By : Jagrut
Upadhyay
04/28/2022



04/27/2022
Supervised By : Jagrut
Upadhyay

04/28/2022

