

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030722\
 Data File : BF127221.D
 Acq On : 07 Mar 2022 14:02
 Operator : CG\JU
 Sample : N1731-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VACLOT-TOPSOIL-GRILLO-01

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 03/08/2022
 Supervised By : Jagrut Upadhyay 03/08/2022

Quant Time: Mar 07 14:59:51 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF021622.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Mar 05 02:16:58 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	78328	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	317068	20.000	ng	# 0.00
39) Acenaphthene-d10	9.922	164	148303	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	223541	20.000	ng	# 0.00
76) Chrysene-d12	14.057	240	141811	20.000	ng	# 0.00
86) Perylene-d12	15.551	264	124804	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	591351	116.686	ng	0.00
7) Phenol-d6	6.510	99	743947	108.790	ng	0.00
23) Nitrobenzene-d5	7.445	82	481947	68.609	ng	0.00
42) 2,4,6-Tribromophenol	10.716	330	180054	105.448	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	681190	67.619	ng	0.00
79) Terphenyl-d14	12.998	244	460892	47.777	ng	0.00
Target Compounds						Qvalue
10) Phenol	6.522	94	14427	2.088	ng	# 68
52) Acenaphthene	9.951	154	19830	2.154	ng	96
58) Fluorene	10.469	166	30144	3.057	ng	98
71) Phenanthrene	11.439	178	261760	20.921	ng	98
72) Anthracene	11.486	178	73098	5.869	ng	99
73) Carbazole	11.645	167	24377	2.134	ng	96
75) Fluoranthene	12.627	202	279927	23.562	ng	95
78) Pyrene	12.857	202	231027	18.752	ng	99
81) Benzo(a)anthracene	14.051	228	119416	12.491	ng	97
83) Chrysene	14.086	228	108985	12.123	ng	97
87) Indeno(1,2,3-cd)pyrene	17.062	276	52620	6.430	ng	# 83
88) Benzo(b)fluoranthene	15.109	252	136175m	16.246	ng	
89) Benzo(k)fluoranthene	15.139	252	54469m	6.737	ng	
90) Benzo(a)pyrene	15.486	252	94124m	14.376	ng	
92) Benzo(g,h,i)perylene	17.521	276	52336	7.843	ng	# 86

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

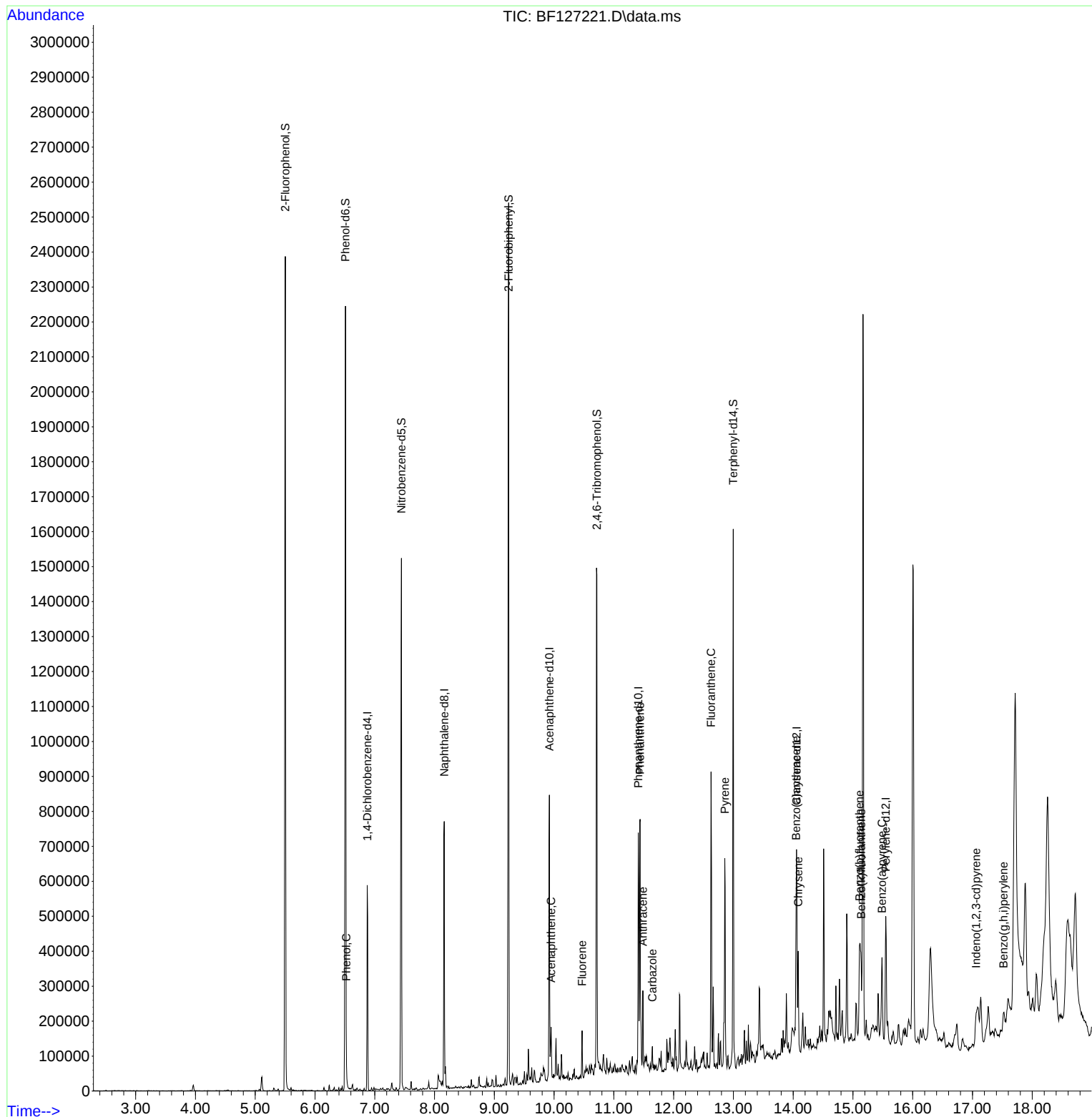
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030722\
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF021622.M
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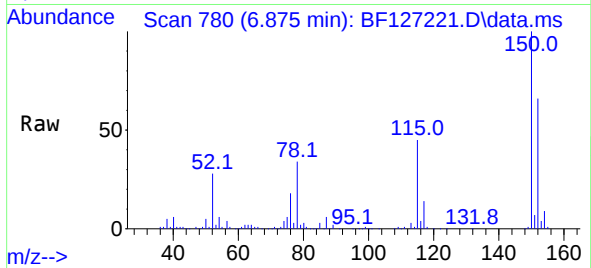
Reviewed By :Christian Giraldo 03/08/2022
Supervised By :Jagrut Upadhyay 03/08/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF127221.D
Acq: 07 Mar 2022 14:02

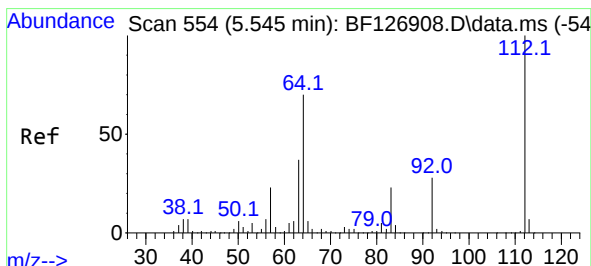
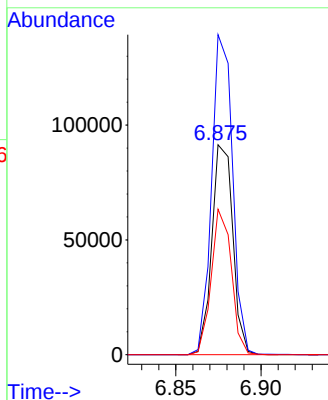
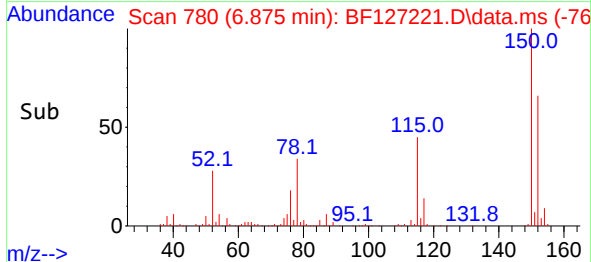
Instrument :
BNA_F
ClientSampleId :
VACLOT-TOPSOIL-GRILLO-01



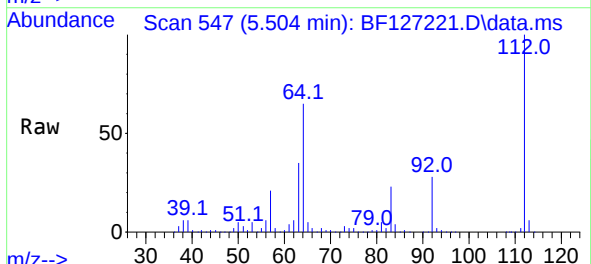
Tgt Ion:152 Resp: 78328
Ion Ratio Lower Upper
152 100
150 152.5 128.1 192.1
115 69.3 56.7 85.1

Manual Integrations
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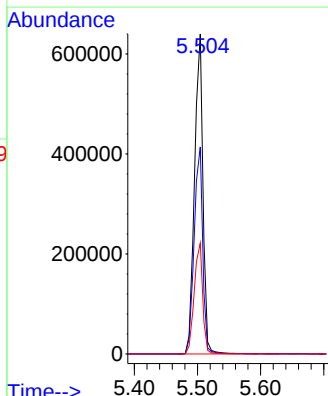
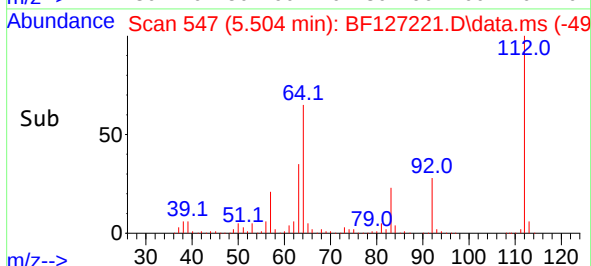
Reviewed By :Christian Giraldo 03/08/2022
Supervised By :Jagrut Upadhyay 03/08/2022



#5
2-Fluorophenol
Concen: 116.686 ng
RT: 5.504 min Scan# 547
Delta R.T. 0.006 min
Lab File: BF127221.D
Acq: 07 Mar 2022 14:02



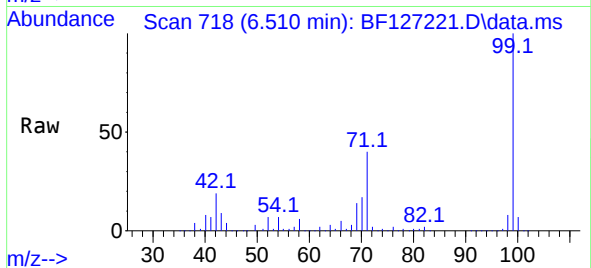
Tgt Ion:112 Resp: 591351
Ion Ratio Lower Upper
112 100
64 64.7 49.5 74.3
63 34.7 23.9 35.9





#7
Phenol-d6
Concen: 108.790 ng
RT: 6.510 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF127221.D
Acq: 07 Mar 2022 14:02

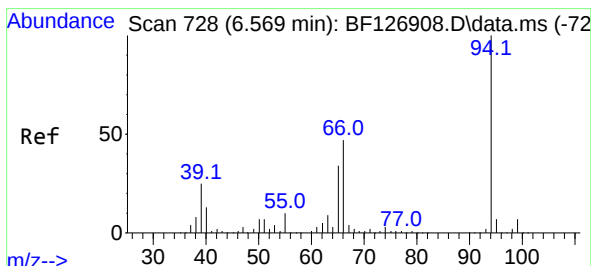
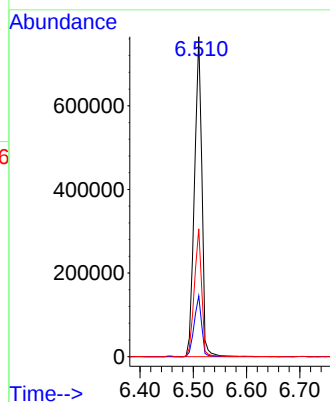
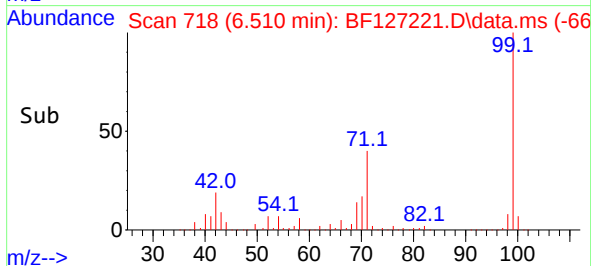
Instrument :
BNA_F
ClientSampleId :
VACLOT-TOPSOIL-GRILLO-01



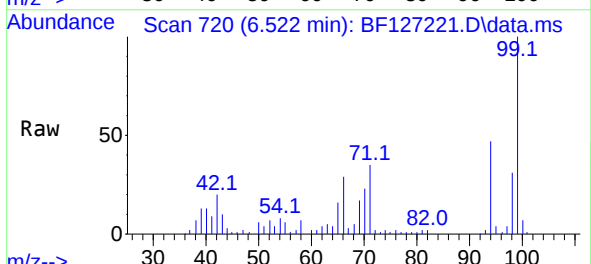
Tgt Ion: 99 Resp: 74394
Ion Ratio Lower Upper
99 100
42 19.0 14.2 21.4
71 40.0 24.3 36.5

Manual Integrations
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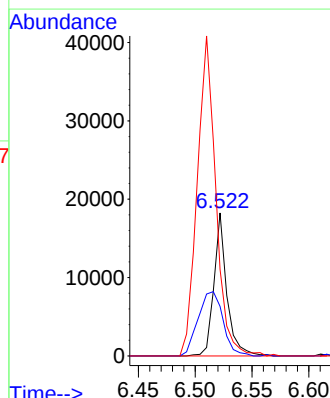
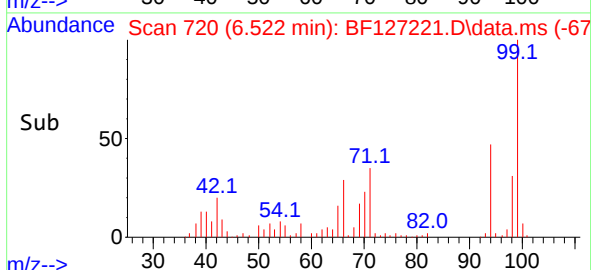
Reviewed By :Christian Giraldo 03/08/2022
Supervised By :Jagrut Upadhyay 03/08/2022

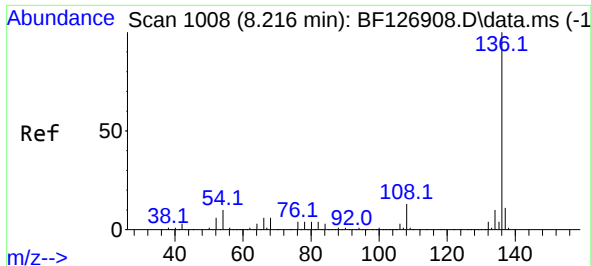


#10
Phenol
Concen: 2.088 ng
RT: 6.522 min Scan# 720
Delta R.T. -0.006 min
Lab File: BF127221.D
Acq: 07 Mar 2022 14:02



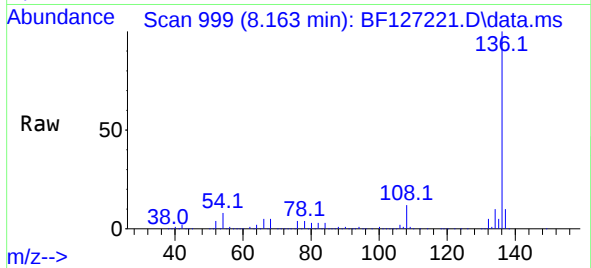
Tgt Ion: 94 Resp: 14427
Ion Ratio Lower Upper
94 100
65 34.7 7.2 47.2
66 60.6 14.5 54.5





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 91
Delta R.T. -0.000 min
Lab File: BF127221.D
Acq: 07 Mar 2022 14:02

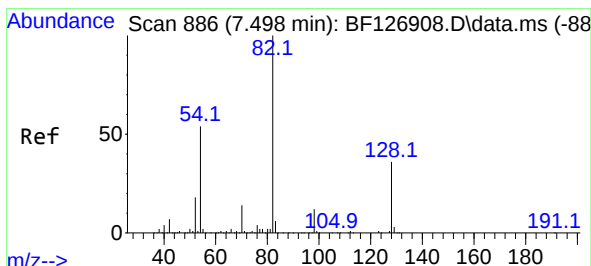
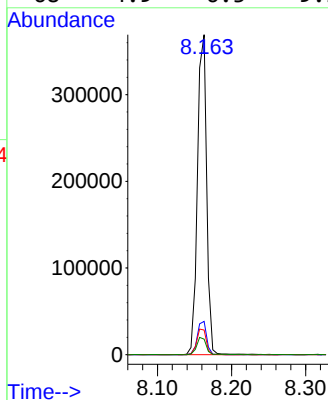
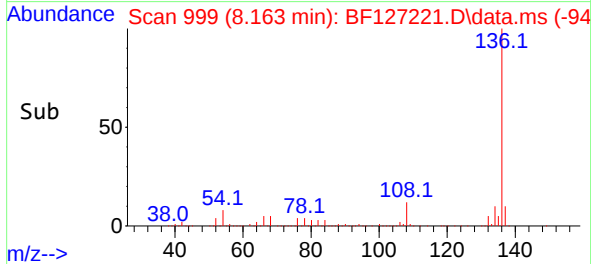
Instrument :
BNA_F
ClientSampleId :
VACLOT-TOPSOIL-GRILLO-01



Tgt Ion:136 Resp: 317068
Ion Ratio Lower Upper
136 100
137 10.4 8.6 13.0
54 7.7 7.8 11.6
68 4.9 6.3 9.5#

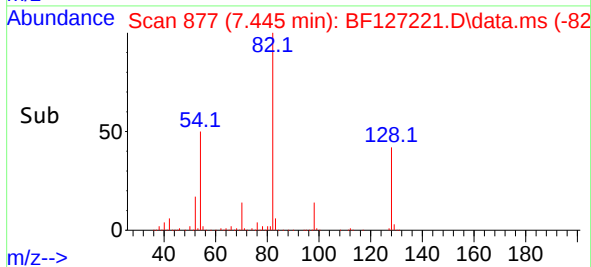
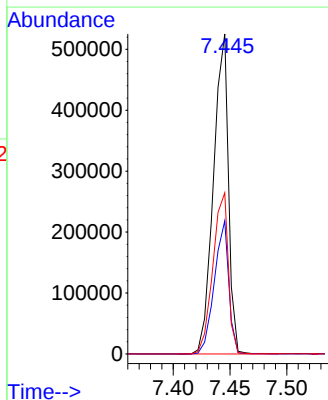
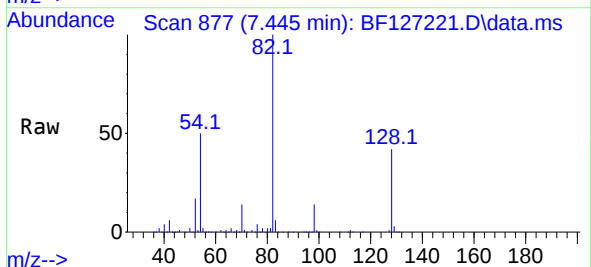
Manual Integrations
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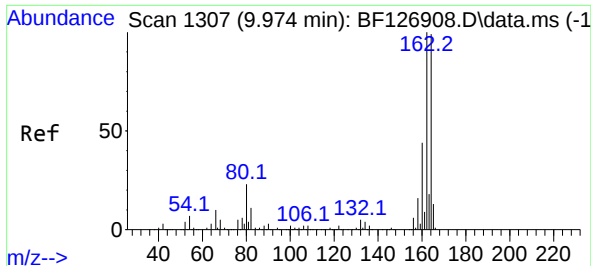
Reviewed By :Christian Giraldo 03/08/2022
Supervised By :Jagrut Upadhyay 03/08/2022



#23
Nitrobenzene-d5
Concen: 68.609 ng
RT: 7.445 min Scan# 877
Delta R.T. -0.006 min
Lab File: BF127221.D
Acq: 07 Mar 2022 14:02

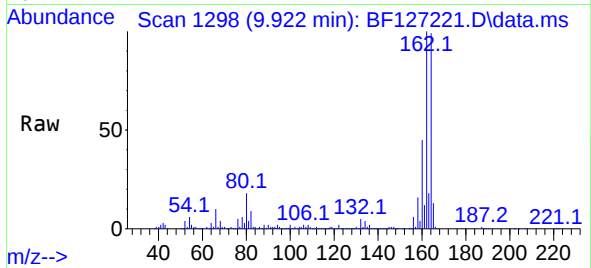
Tgt Ion: 82 Resp: 481947
Ion Ratio Lower Upper
82 100
128 41.6 32.7 49.1
54 50.3 41.7 62.5





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF127221.D
Acq: 07 Mar 2022 14:02

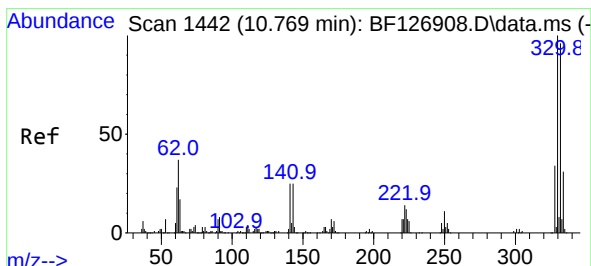
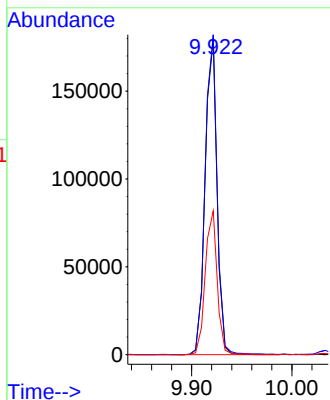
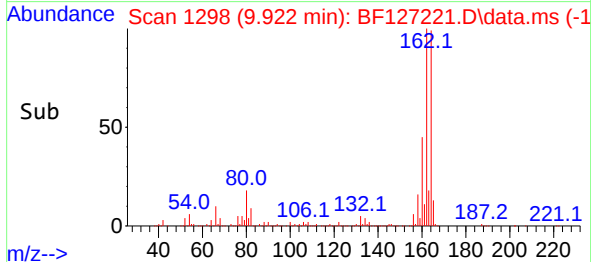
Instrument :
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ClientSampleId :
VACLOT-TOPSOIL-GRILLO-01



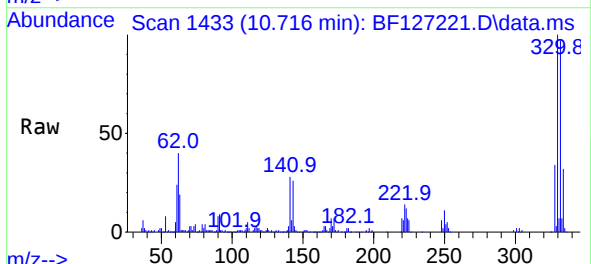
Tgt Ion:164 Resp: 14830
Ion Ratio Lower Upper
164 100
162 101.5 81.4 122.0
160 45.6 36.6 54.8

Manual Integrations
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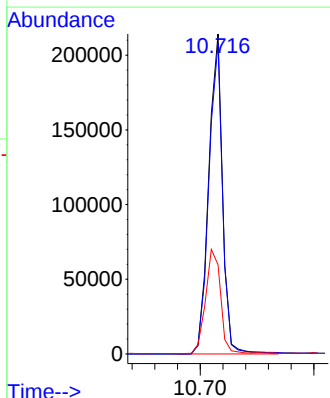
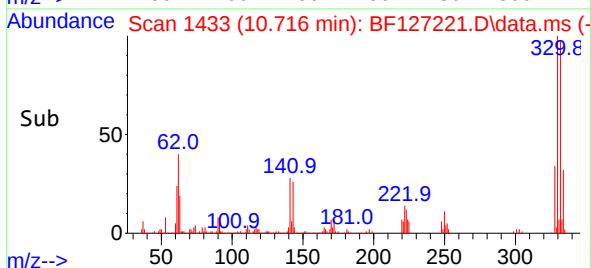
Reviewed By :Christian Giraldo 03/08/2022
Supervised By :Jagrut Upadhyay 03/08/2022

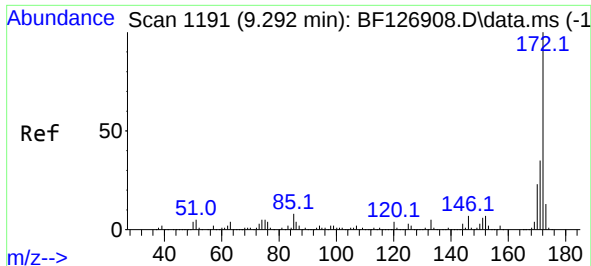


#42
2,4,6-Tribromophenol
Concen: 105.448 ng
RT: 10.716 min Scan# 1433
Delta R.T. -0.000 min
Lab File: BF127221.D
Acq: 07 Mar 2022 14:02



Tgt Ion:330 Resp: 180054
Ion Ratio Lower Upper
330 100
332 97.5 76.0 114.0
141 35.4 30.1 45.1





#45

2-Fluorobiphenyl

Concen: 67.619 ng

RT: 9.239 min Scan# 1191

Delta R.T. -0.000 min

Lab File: BF127221.D

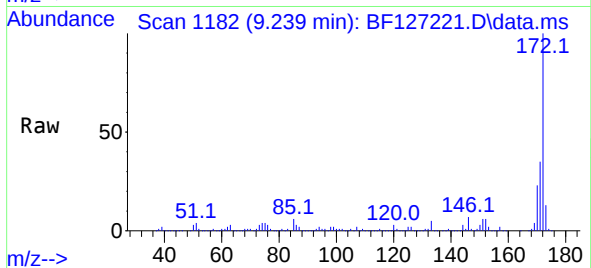
Acq: 07 Mar 2022 14:02

Instrument :

BNA_F

ClientSampleId :

VACLOT-TOPSOIL-GRILLO-01



Tgt Ion:172 Resp: 681190

Ion Ratio Lower Upper

172 100

171 34.8 28.3 42.5

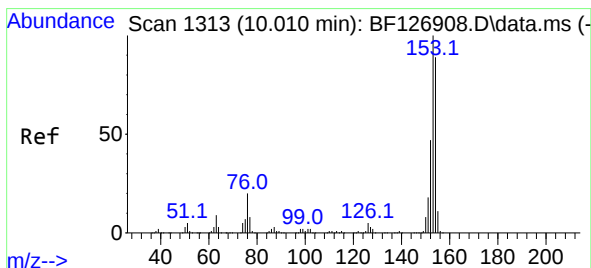
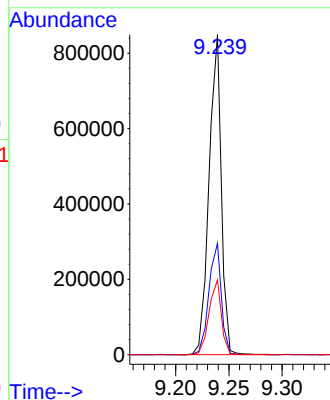
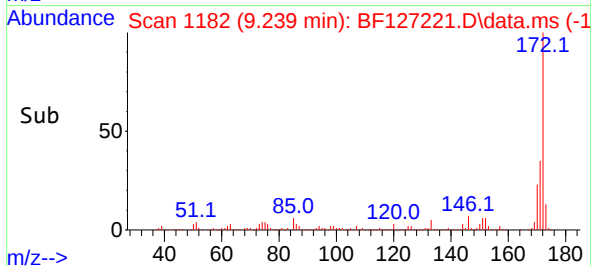
170 23.4 19.0 28.6

Manual Integrations

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Reviewed By :Christian Giraldo 03/08/2022

Supervised By :Jagrut Upadhyay 03/08/2022



#52

Acenaphthene

Concen: 2.154 ng

RT: 9.951 min Scan# 1303

Delta R.T. -0.006 min

Lab File: BF127221.D

Acq: 07 Mar 2022 14:02

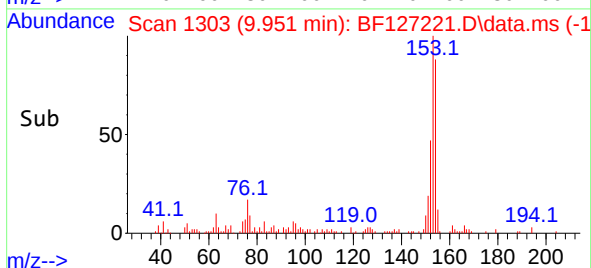
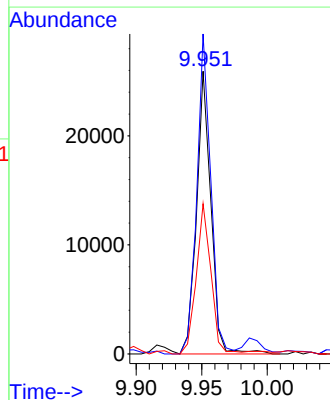
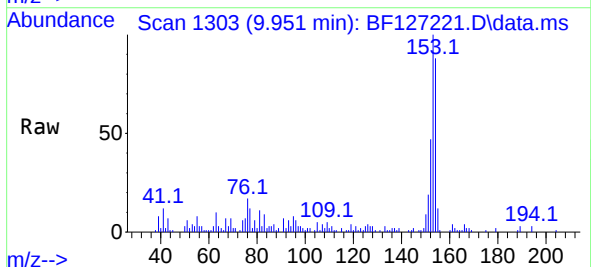
Tgt Ion:154 Resp: 19830

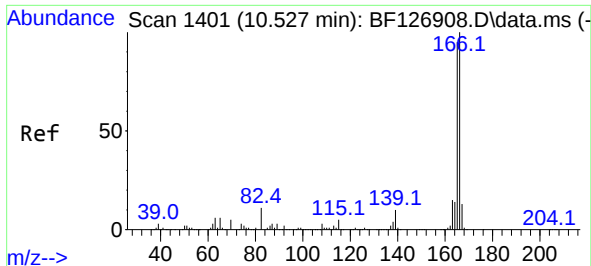
Ion Ratio Lower Upper

154 100

153 113.2 87.8 131.6

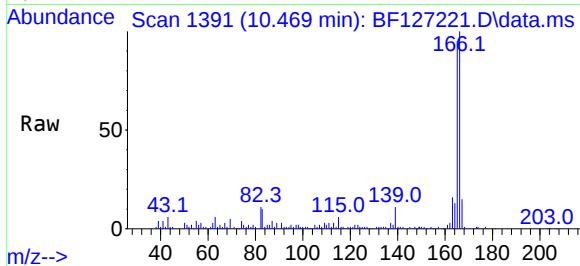
152 53.1 39.4 59.2





#58
Fluorene
Concen: 3.057 ng
RT: 10.469 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF127221.D
Acq: 07 Mar 2022 14:02

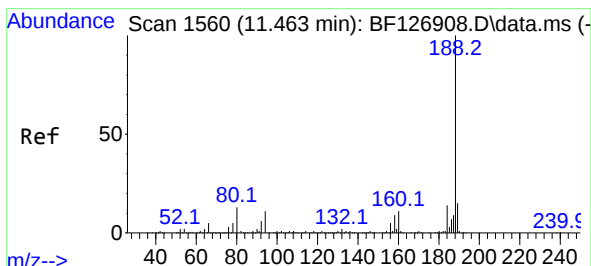
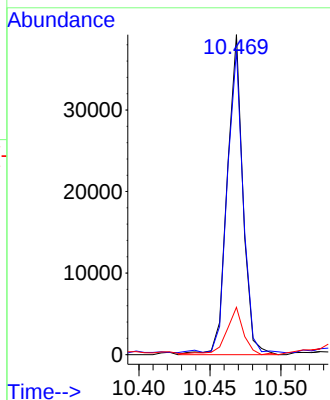
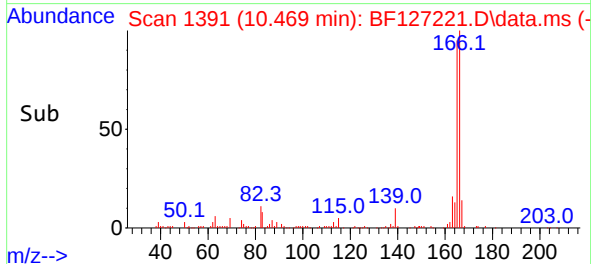
Instrument :
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ClientSampleId :
VACLOT-TOPSOIL-GRILLO-01



Tgt Ion:166 Resp: 30144
Ion Ratio Lower Upper
166 100
165 95.2 77.7 116.5
167 14.8 10.7 16.1

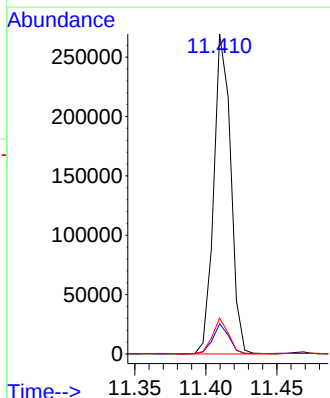
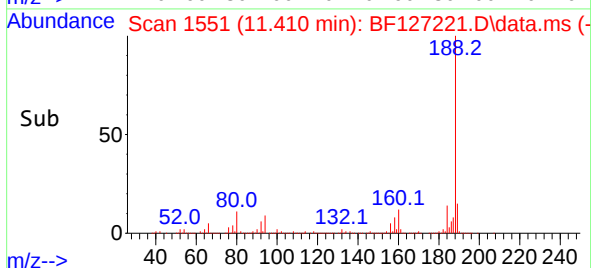
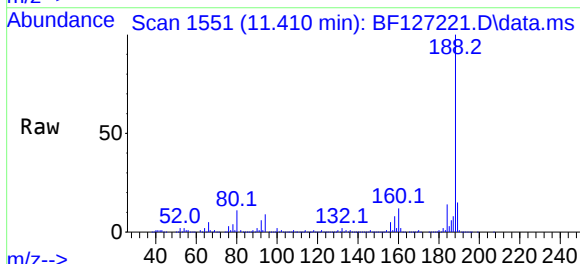
Manual Integrations
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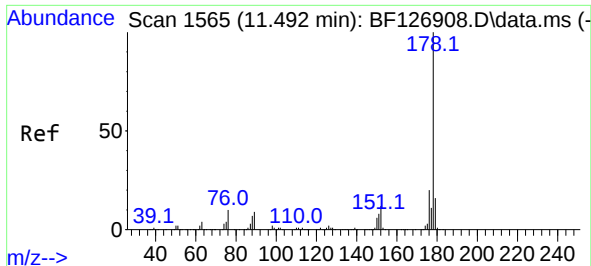
Reviewed By :Christian Giraldo 03/08/2022
Supervised By :Jagrut Upadhyay 03/08/2022



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1551
Delta R.T. -0.006 min
Lab File: BF127221.D
Acq: 07 Mar 2022 14:02

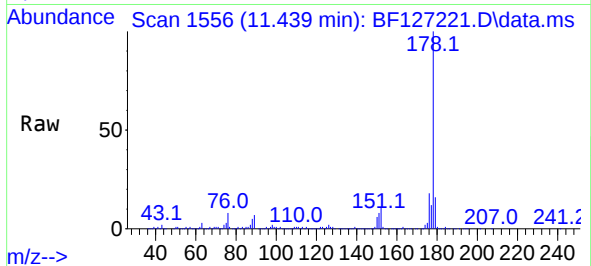
Tgt Ion:188 Resp: 223541
Ion Ratio Lower Upper
188 100
94 9.5 10.1 15.1#
80 11.2 11.8 17.6#





#71
Phenanthrene
Concen: 20.921 ng
RT: 11.439 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF127221.D
Acq: 07 Mar 2022 14:02

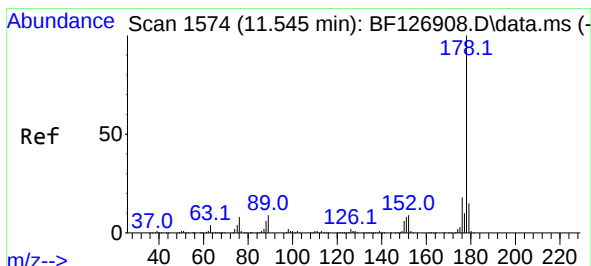
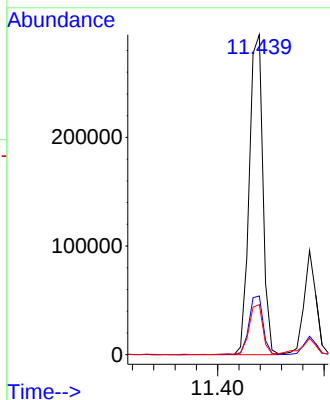
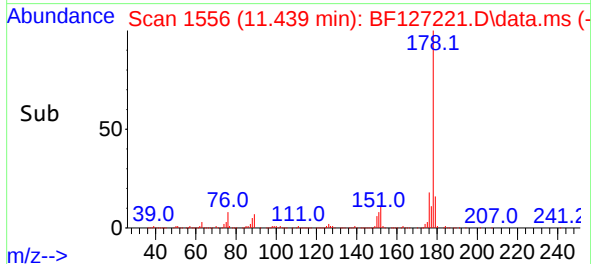
Instrument :
BNA_F
ClientSampleId :
VACLOT-TOPSOIL-GRILLO-01



Tgt Ion:178 Resp: 261760
Ion Ratio Lower Upper
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176 18.4 15.7 23.5
179 15.6 12.3 18.5

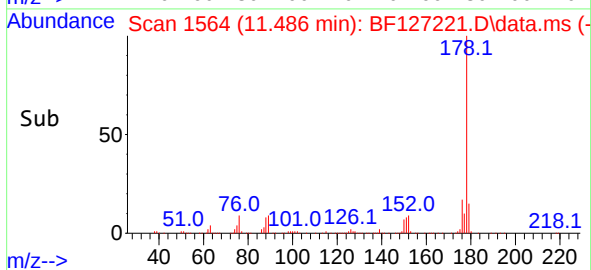
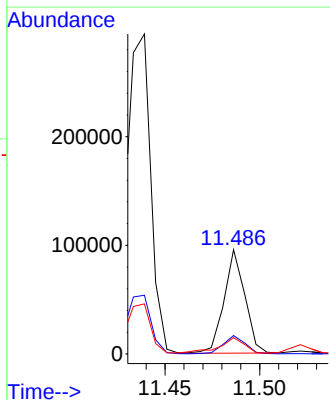
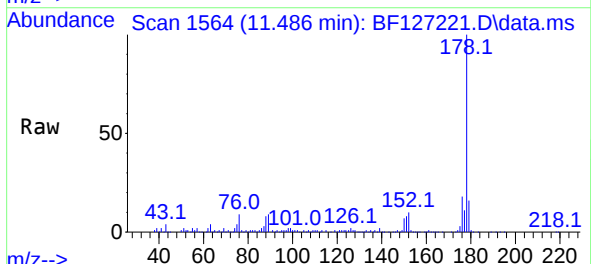
Manual Integrations
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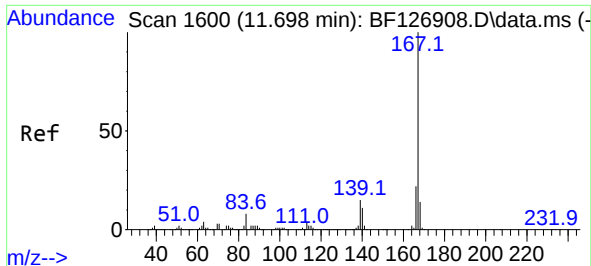
Reviewed By :Christian Giraldo 03/08/2022
Supervised By :Jagrut Upadhyay 03/08/2022



#72
Anthracene
Concen: 5.869 ng
RT: 11.486 min Scan# 1564
Delta R.T. -0.006 min
Lab File: BF127221.D
Acq: 07 Mar 2022 14:02

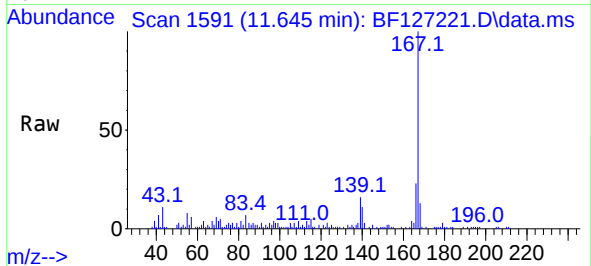
Tgt Ion:178 Resp: 73098
Ion Ratio Lower Upper
178 100
176 17.7 15.0 22.6
179 15.7 12.5 18.7





#73
 Carbazole
 Concen: 2.134 ng
 RT: 11.645 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF127221.D
 Acq: 07 Mar 2022 14:02

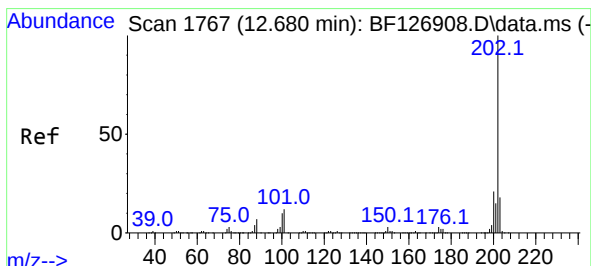
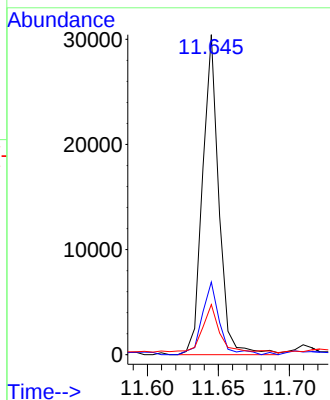
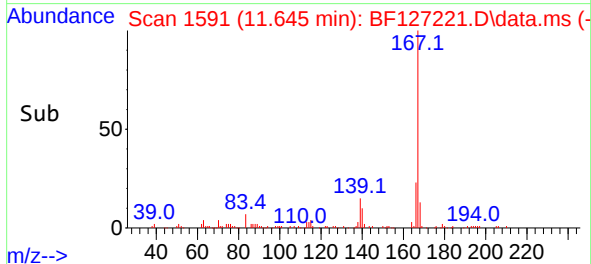
Instrument :
 BNA_F
 ClientSampleId :
 VACLOT-TOPSOIL-GRILLO-01



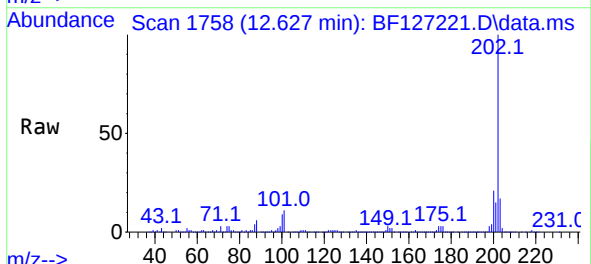
Tgt Ion:167 Resp: 2437
 Ion Ratio Lower Upper
 167 100
 166 22.7 16.9 25.3
 139 15.6 11.3 16.9

Manual Integrations
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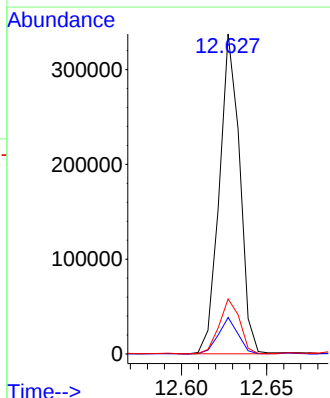
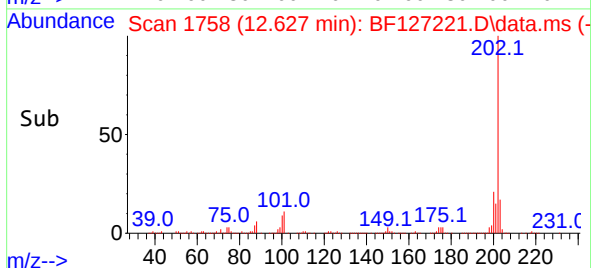
Reviewed By :Christian Giraldo 03/08/2022
 Supervised By :Jagrut Upadhyay 03/08/2022

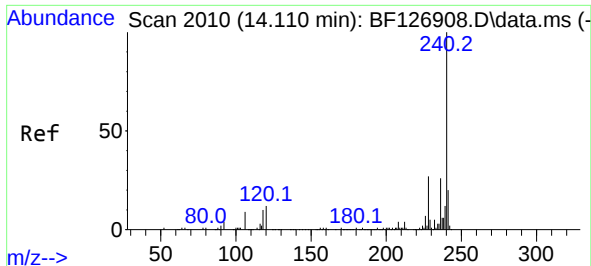


#75
 Fluoranthene
 Concen: 23.562 ng
 RT: 12.627 min Scan# 1758
 Delta R.T. -0.006 min
 Lab File: BF127221.D
 Acq: 07 Mar 2022 14:02



Tgt Ion:202 Resp: 279927
 Ion Ratio Lower Upper
 202 100
 101 11.4 0.0 35.7
 203 17.2 0.0 37.1





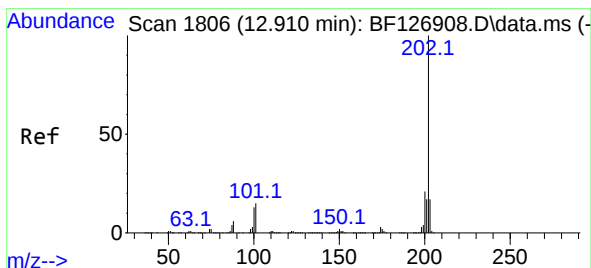
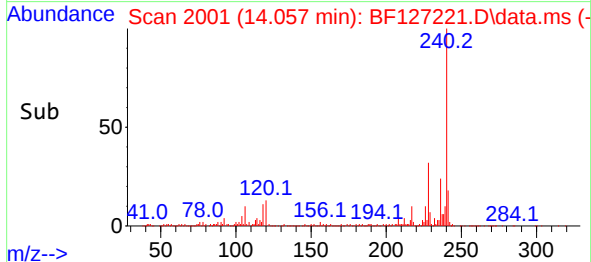
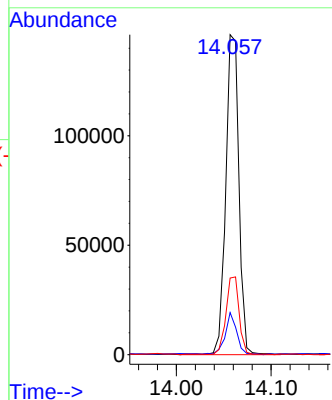
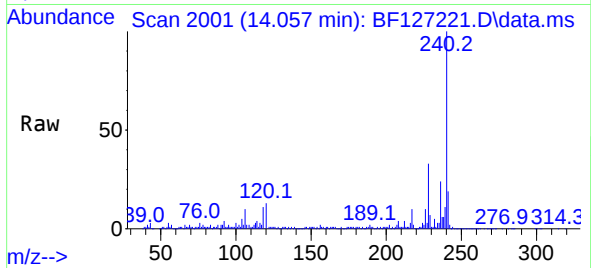
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2010
Delta R.T. -0.006 min
Lab File: BF127221.D
Acq: 07 Mar 2022 14:02

Instrument :
BNA_F
ClientSampleId :
VACLOT-TOPSOIL-GRILLO-01

Tgt Ion:240 Resp: 14181
Ion Ratio Lower Upper
240 100
120 13.1 14.4 21.6
236 23.9 20.5 30.7

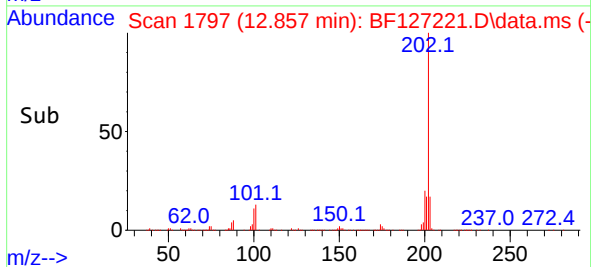
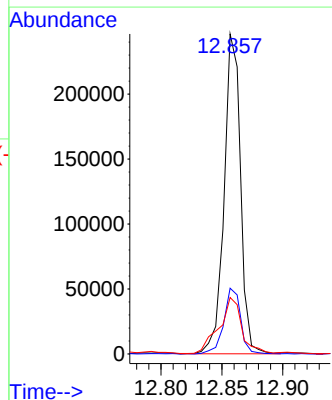
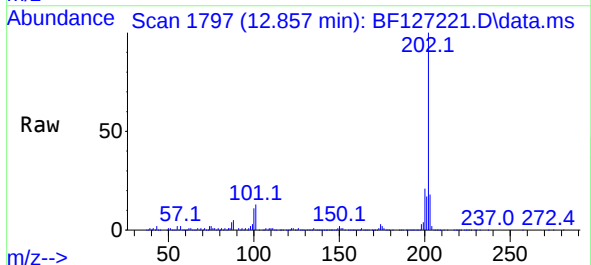
Manual Integrations
APPROVED

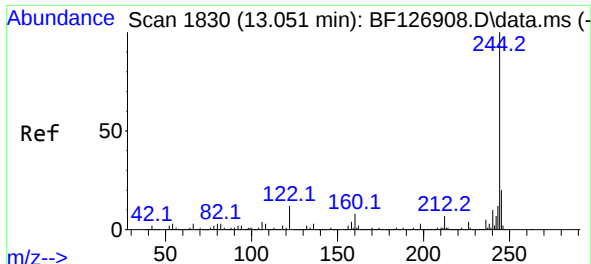
Reviewed By :Christian Giraldo 03/08/2022
Supervised By :Jagrut Upadhyay 03/08/2022



#78
Pyrene
Concen: 18.752 ng
RT: 12.857 min Scan# 1797
Delta R.T. -0.006 min
Lab File: BF127221.D
Acq: 07 Mar 2022 14:02

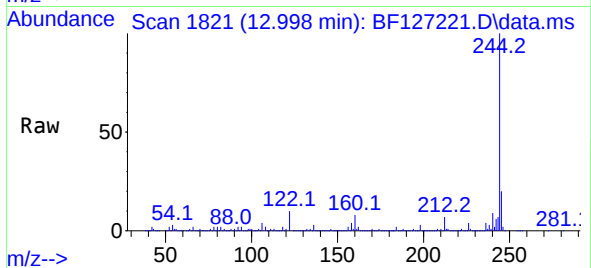
Tgt Ion:202 Resp: 231027
Ion Ratio Lower Upper
202 100
200 20.5 16.6 24.8
203 17.6 13.8 20.8





#79
Terphenyl-d14
Concen: 47.777 ng
RT: 12.998 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF127221.D
Acq: 07 Mar 2022 14:02

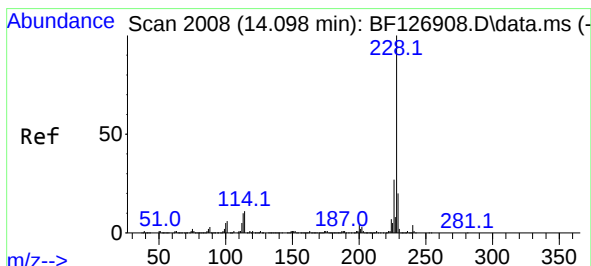
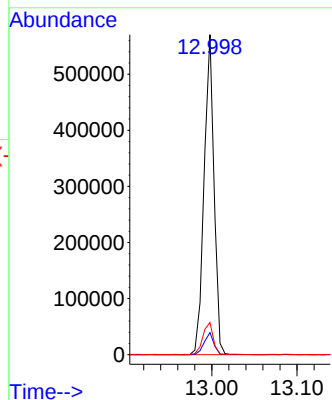
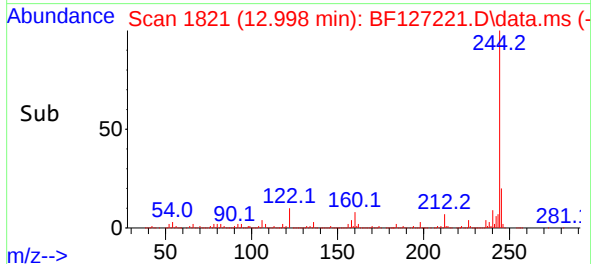
Instrument :
BNA_F
ClientSampleId :
VACLOT-TOPSOIL-GRILLO-01



Tgt Ion:244 Resp: 460892
Ion Ratio Lower Upper
244 100
212 6.9 5.0 7.4
122 10.0 13.3 19.9

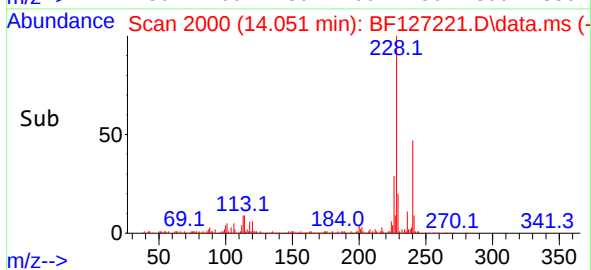
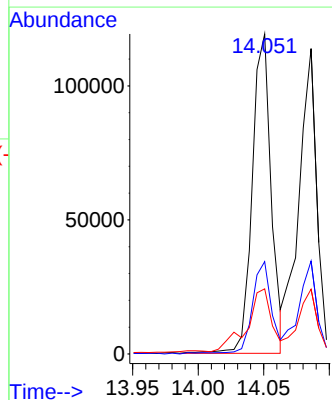
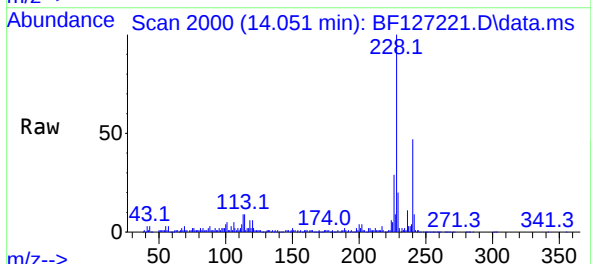
Manual Integrations
APPROVED

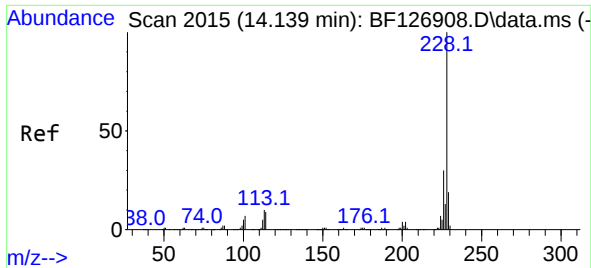
Reviewed By :Christian Giraldo 03/08/2022
Supervised By :Jagrut Upadhyay 03/08/2022



#81
Benzo(a)anthracene
Concen: 12.491 ng
RT: 14.051 min Scan# 2000
Delta R.T. -0.000 min
Lab File: BF127221.D
Acq: 07 Mar 2022 14:02

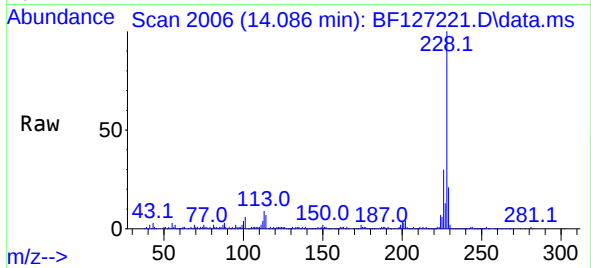
Tgt Ion:228 Resp: 119416
Ion Ratio Lower Upper
228 100
226 28.8 21.4 32.0
229 20.4 15.4 23.2





#83
Chrysene
Concen: 12.123 ng
RT: 14.086 min Scan# 2015
Delta R.T. -0.000 min
Lab File: BF127221.D
Acq: 07 Mar 2022 14:02

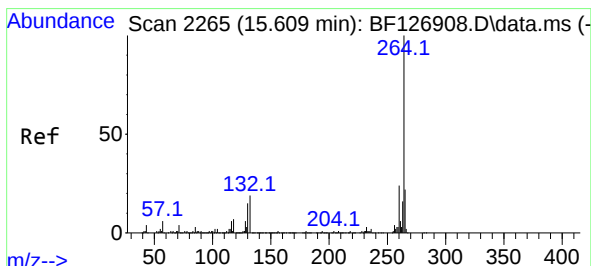
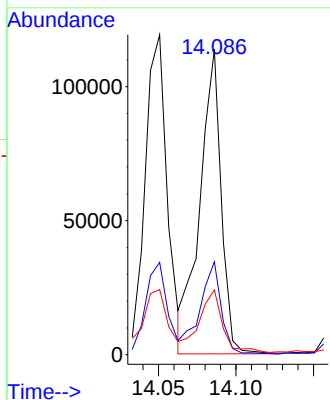
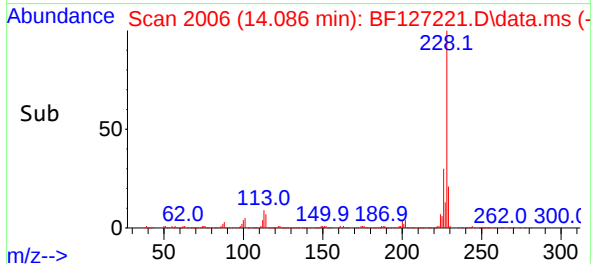
Instrument : BNA_F
ClientSampleId : VACLOT-TOPSOIL-GRILLO-01



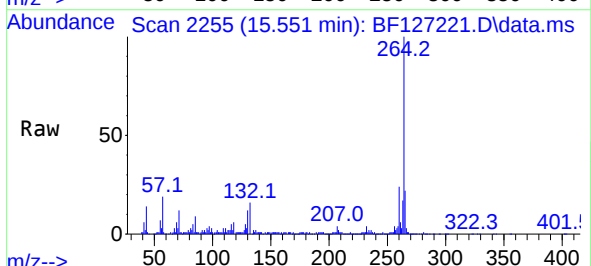
Tgt Ion:228 Resp: 108985
Ion Ratio Lower Upper
228 100
226 30.4 23.7 35.5
229 21.2 15.5 23.3

Manual Integrations
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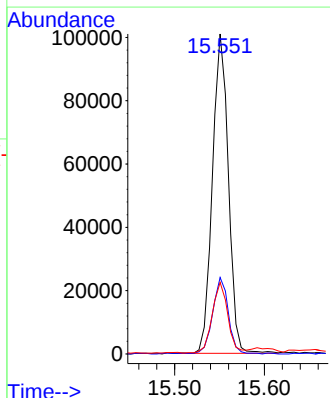
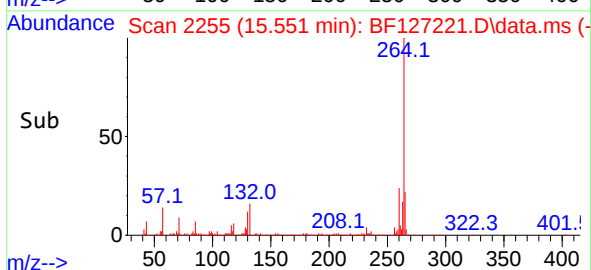
Reviewed By :Christian Giraldo 03/08/2022
Supervised By :Jagrut Upadhyay 03/08/2022

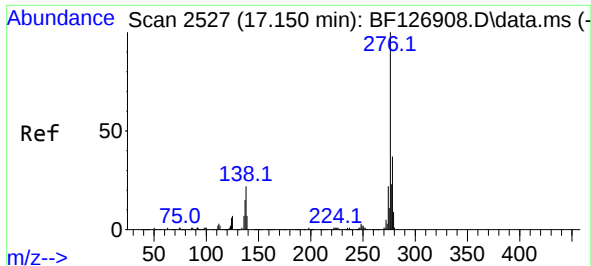


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.551 min Scan# 2255
Delta R.T. 0.006 min
Lab File: BF127221.D
Acq: 07 Mar 2022 14:02



Tgt Ion:264 Resp: 124804
Ion Ratio Lower Upper
264 100
260 23.9 19.2 28.8
265 22.4 17.4 26.2





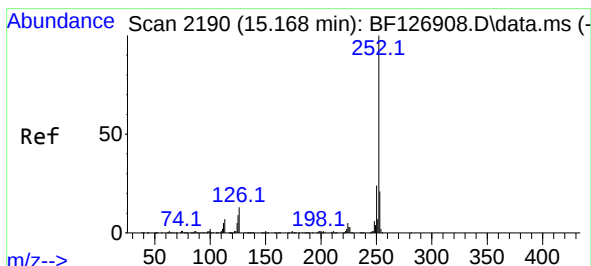
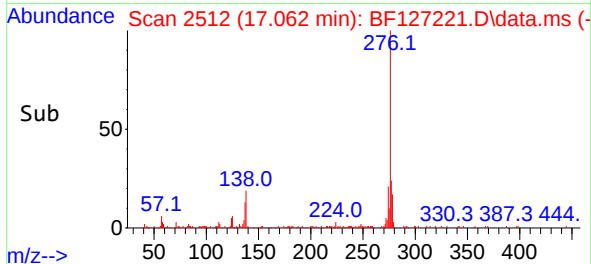
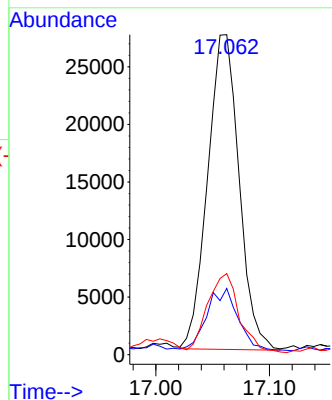
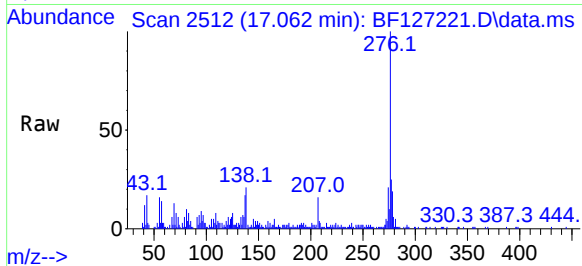
#87
Indeno(1,2,3-cd)pyrene
Concen: 6.430 ng
RT: 17.062 min Scan# 2180
Delta R.T. 0.006 min
Lab File: BF127221.D
Acq: 07 Mar 2022 14:02

Instrument :
BNA_F
ClientSampleId :
VACLOT-TOPSOIL-GRILLO-01

Tgt Ion:276 Resp: 52620
Ion Ratio Lower Upper
276 100
138 19.8 29.2 43.8
277 25.4 19.8 29.8

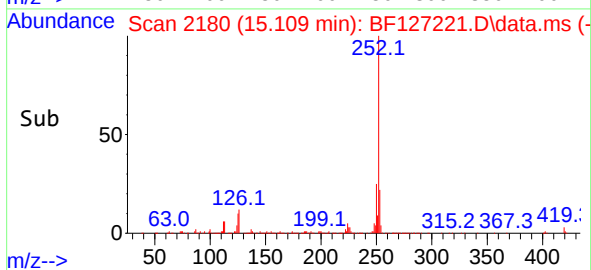
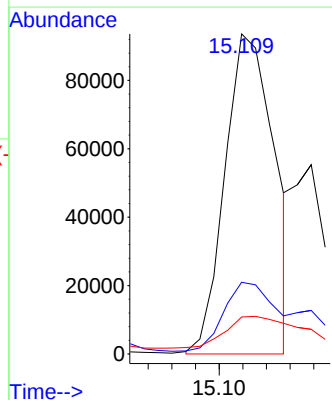
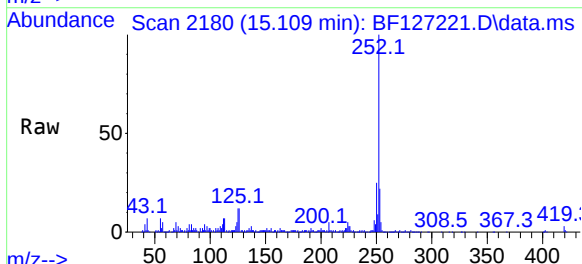
Manual Integrations
APPROVED

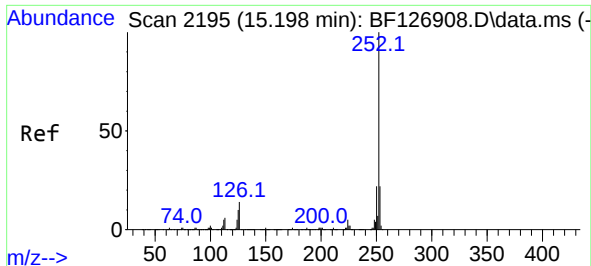
Reviewed By :Christian Giraldo 03/08/2022
Supervised By :Jagrut Upadhyay 03/08/2022



#88
Benzo(b)fluoranthene
Concen: 16.246 ng m
RT: 15.109 min Scan# 2180
Delta R.T. -0.000 min
Lab File: BF127221.D
Acq: 07 Mar 2022 14:02

Tgt Ion:252 Resp: 136175
Ion Ratio Lower Upper
252 100
253 22.4 17.8 26.8
125 11.6 12.4 18.6#





#89

Benzo(k)fluoranthene

Concen: 6.737 ng m

RT: 15.139 min Scan# 2195

Delta R.T. -0.000 min

Lab File: BF127221.D

Acq: 07 Mar 2022 14:02

Instrument :

BNA_F

ClientSampleId :

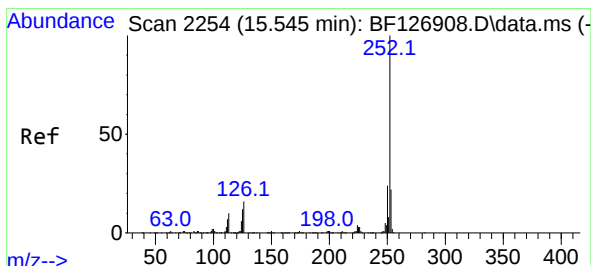
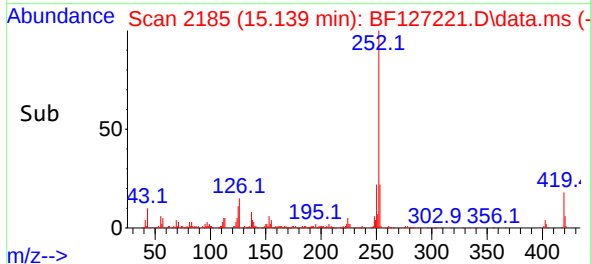
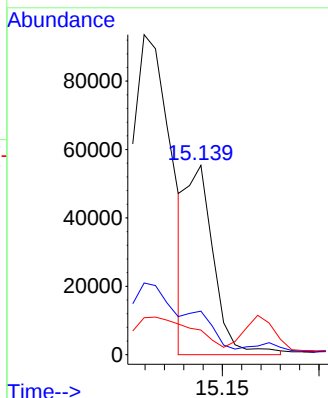
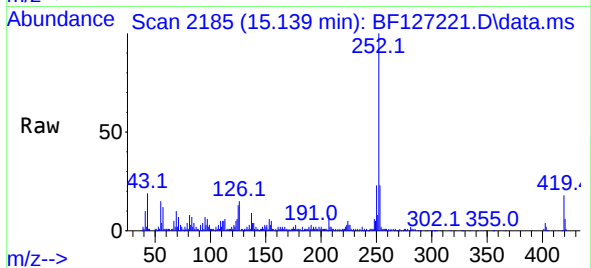
VACLOT-TOPSOIL-GRILLO-01

Tgt Ion:252	Resp:	54469
Ion Ratio	Lower	Upper
252	100	
253	23.0	17.5 26.3
125	13.0	11.8 17.6

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 03/08/2022
Supervised By :Jagrut Upadhyay 03/08/2022



#90

Benzo(a)pyrene

Concen: 14.376 ng m

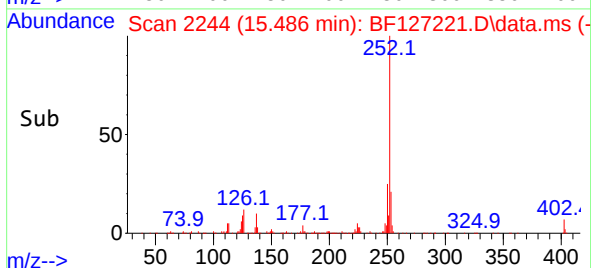
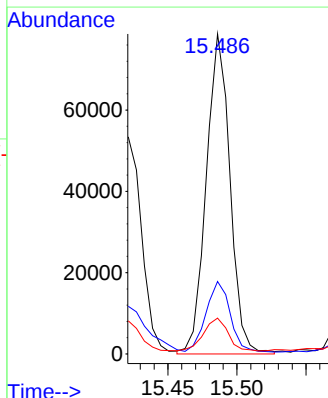
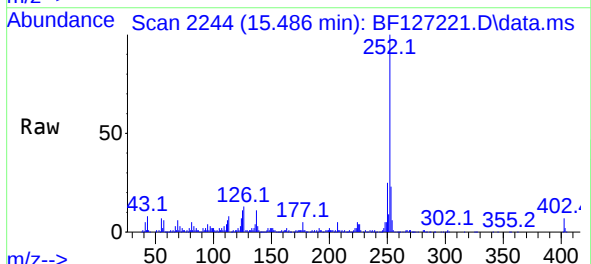
RT: 15.486 min Scan# 2244

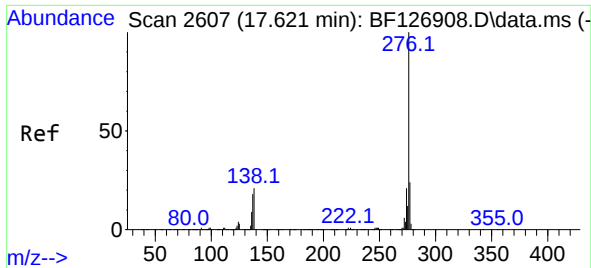
Delta R.T. -0.000 min

Lab File: BF127221.D

Acq: 07 Mar 2022 14:02

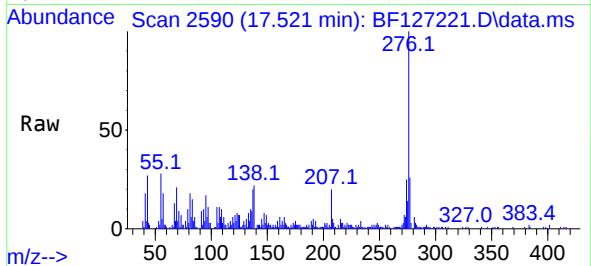
Tgt Ion:252	Resp:	94124
Ion Ratio	Lower	Upper
252	100	
253	22.7	17.1 25.7
125	11.2	13.0 19.6#





#92
Benzo(g,h,i)perylene
Concen: 7.843 ng
RT: 17.521 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF127221.D
Acq: 07 Mar 2022 14:02

Instrument :
BNA_F
ClientSampleId :
VACLOT-TOPSOIL-GRILLO-01



Tgt Ion:276 Resp: 52330
Ion Ratio Lower Upper
276 100
277 26.5 18.5 27.7
138 21.5 25.9 38.9

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 03/08/2022
Supervised By :Jagrut Upadhyay 03/08/2022

