

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030722\
 Data File : BF127223.D
 Acq On : 07 Mar 2022 15:31
 Operator : CG\JU
 Sample : N1731-02DL 2X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

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

Quant Time: Mar 07 16:17:10 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	6.881	152	88437	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	378043	20.000	ng	# 0.00
39) Acenaphthene-d10	9.922	164	175288	20.000	ng	0.00
64) Phenanthrene-d10	11.416	188	245960	20.000	ng	# 0.00
76) Chrysene-d12	14.063	240	161538	20.000	ng	# 0.00
86) Perylene-d12	15.557	264	168156	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	244028	42.648	ng	0.00
7) Phenol-d6	6.510	99	316853	41.038	ng	0.00
23) Nitrobenzene-d5	7.440	82	226497	27.043	ng	-0.01
42) 2,4,6-Tribromophenol	10.716	330	77979	38.638	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	321047	26.963	ng	0.00
79) Terphenyl-d14	12.998	244	209751	19.088	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.187	128	124336	6.300	ng	99
52) Acenaphthene	9.951	154	56933	5.233	ng	97
55) Dibenzofuran	10.128	168	68183	4.558	ng	93
58) Fluorene	10.469	166	89468	7.678	ng	99
71) Phenanthrene	11.439	178	632696	45.958	ng	99
72) Anthracene	11.492	178	173988	12.695	ng	99
73) Carbazole	11.645	167	70080	5.576	ng	97
75) Fluoranthene	12.633	202	532715	40.753	ng	94
78) Pyrene	12.863	202	405908	28.923	ng	99
81) Benzo(a)anthracene	14.051	228	225299	20.688	ng	98
83) Chrysene	14.086	228	193666	18.911	ng	96
87) Indeno(1,2,3-cd)pyrene	17.062	276	96148	8.720	ng	# 83
88) Benzo(b)fluoranthene	15.115	252	260428m	23.059	ng	
89) Benzo(k)fluoranthene	15.139	252	79498m	7.298	ng	
90) Benzo(a)pyrene	15.492	252	184909m	20.961	ng	
91) Dibenzo(a,h)anthracene	17.068	278	25012	2.743	ng	96
92) Benzo(g,h,i)perylene	17.521	276	86673	9.641	ng	# 85

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

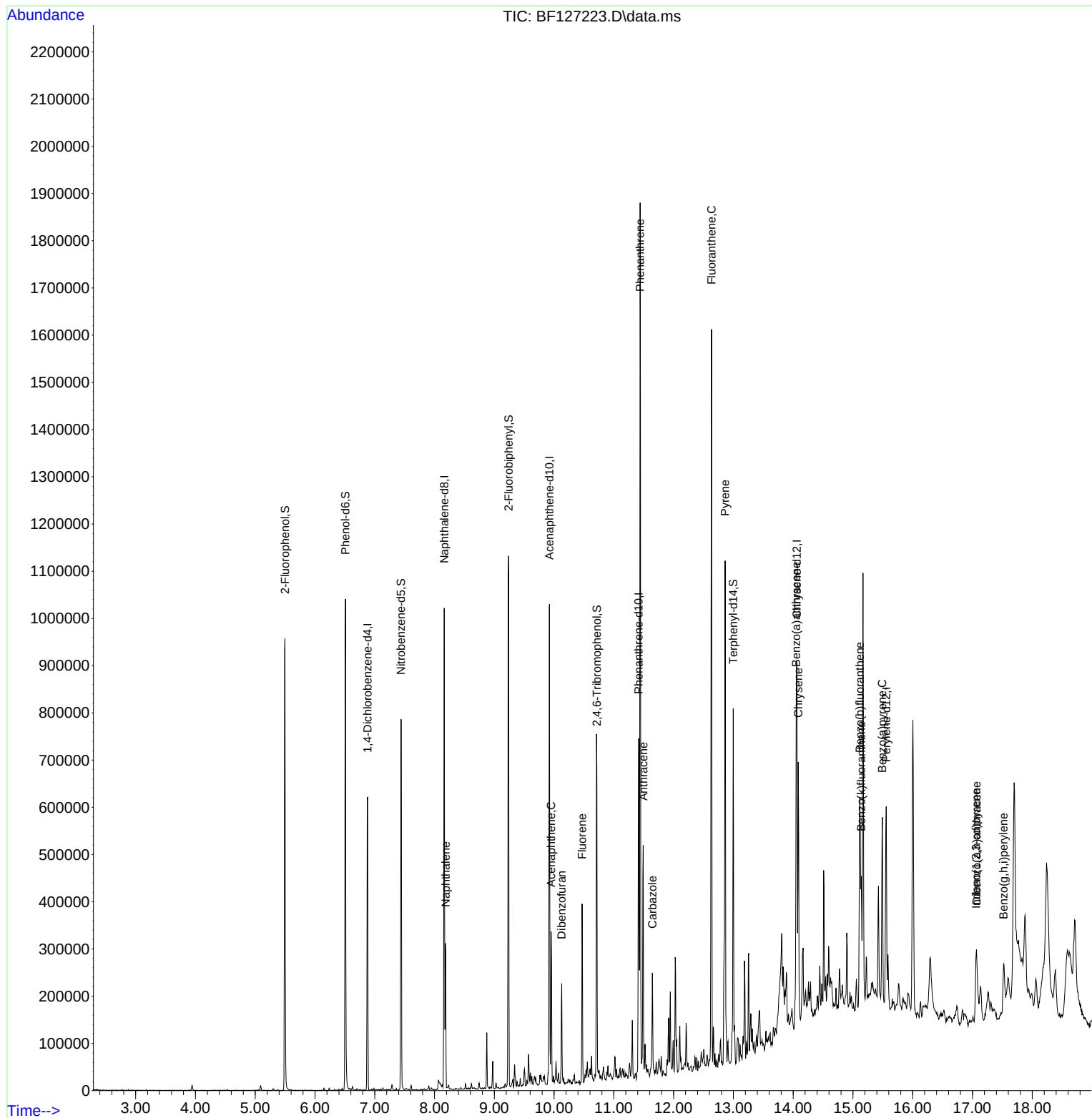
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030722\
Data File : BF127223.D
Acq On : 07 Mar 2022 15:31
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Misc :
ALS Vial : 10 Sample Multiplier: 1

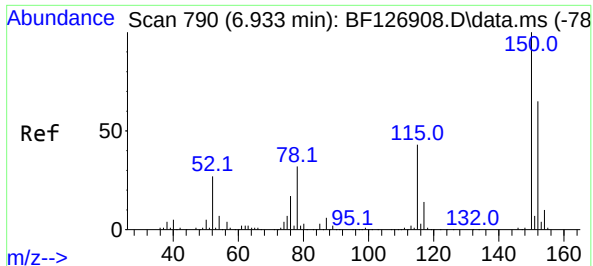
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VACLOT-TOPSOIL-GRILLO-01ADL

Quant Time: Mar 07 16:17:10 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF021622.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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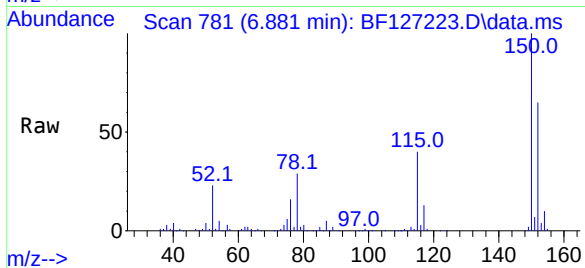
Reviewed By : Christian Giraldo 03/08/2022
Supervised By : Jagrut Upadhyay 03/08/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF127223.D
Acq: 07 Mar 2022 15:31

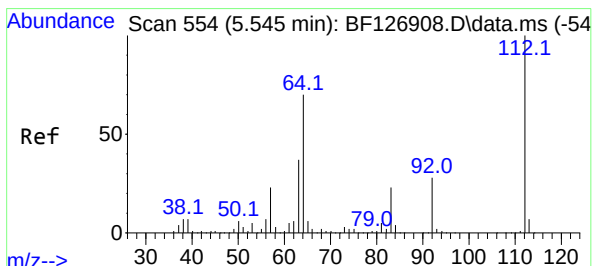
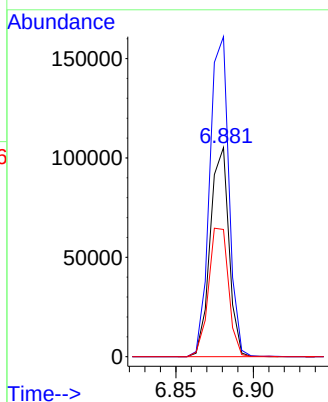
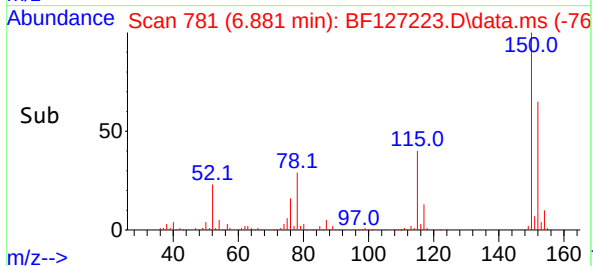
Instrument :
BNA_F
ClientSampleId :
VACLOT-TOPSOIL-GRILLO-01ADL



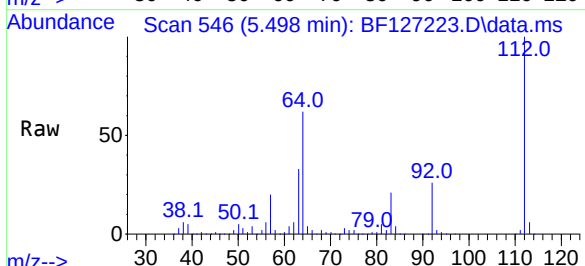
Tgt Ion:152 Resp: 8843
Ion Ratio Lower Upper
152 100
150 153.0 128.1 192.1
115 60.8 56.7 85.1

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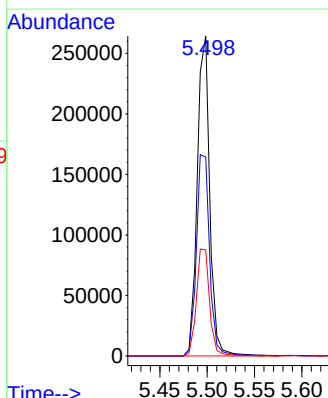
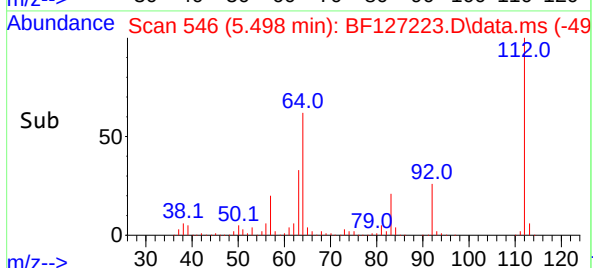
Reviewed By :Christian Giraldo 03/08/2022
Supervised By :Jagrut Upadhyay 03/08/2022

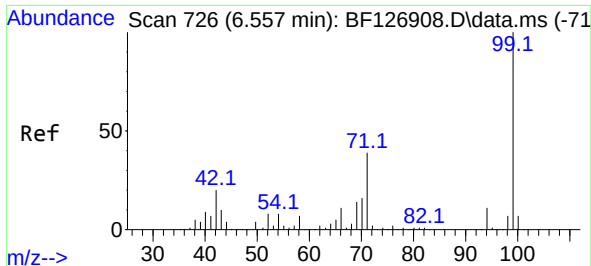


#5
2-Fluorophenol
Concen: 42.648 ng
RT: 5.498 min Scan# 546
Delta R.T. -0.000 min
Lab File: BF127223.D
Acq: 07 Mar 2022 15:31



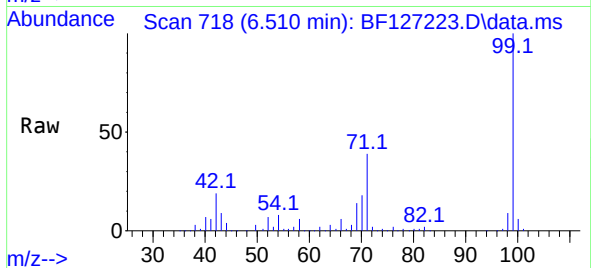
Tgt Ion:112 Resp: 244028
Ion Ratio Lower Upper
112 100
64 62.1 49.5 74.3
63 33.2 23.9 35.9





#7
Phenol-d6
Concen: 41.038 ng
RT: 6.510 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF127223.D
Acq: 07 Mar 2022 15:31

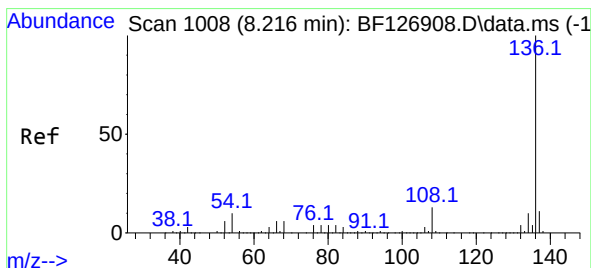
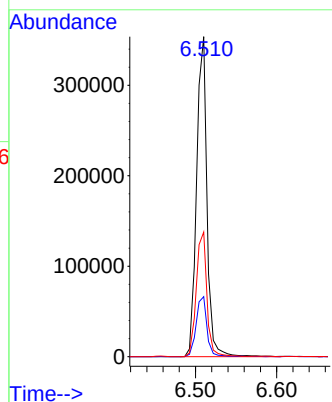
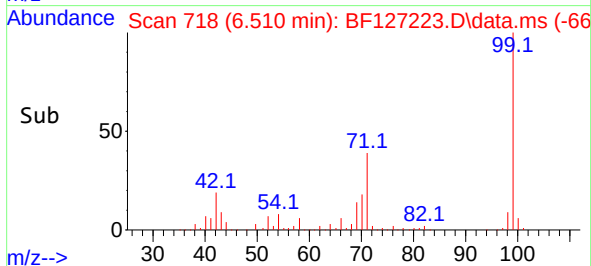
Instrument :
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ClientSampleId :
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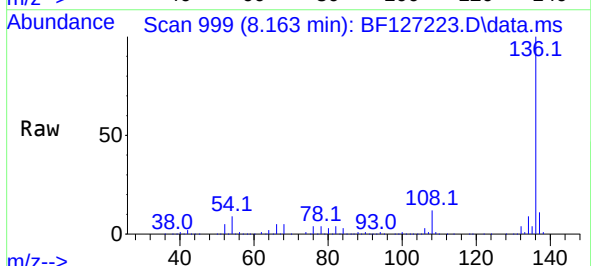
Tgt Ion: 99 Resp: 31685
Ion Ratio Lower Upper
99 100
42 18.8 14.2 21.4
71 38.9 24.3 36.5

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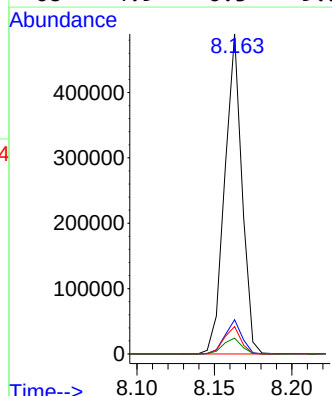
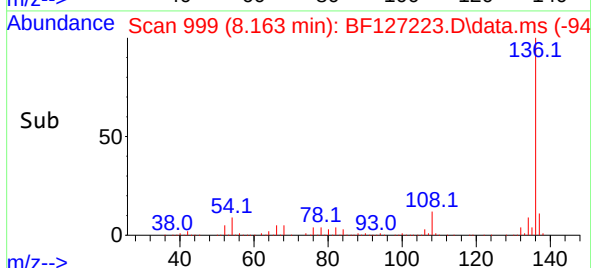
Reviewed By :Christian Giraldo 03/08/2022
Supervised By :Jagrut Upadhyay 03/08/2022

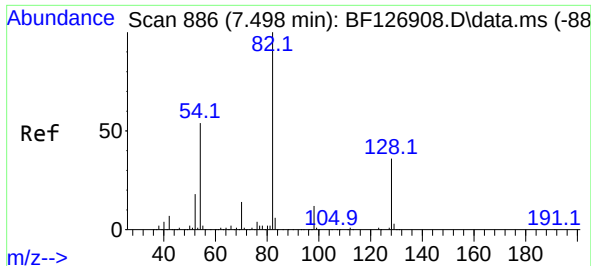


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 999
Delta R.T. -0.000 min
Lab File: BF127223.D
Acq: 07 Mar 2022 15:31



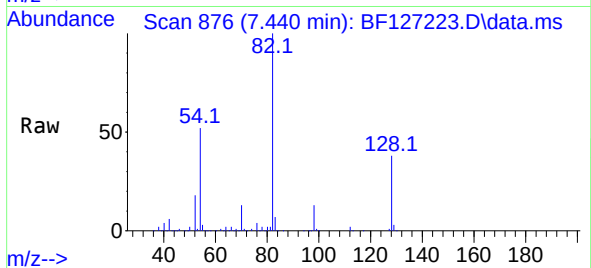
Tgt Ion:136 Resp: 378043
Ion Ratio Lower Upper
136 100
137 10.7 8.6 13.0
54 8.5 7.8 11.6
68 4.9 6.3 9.5





#23
Nitrobenzene-d5
Concen: 27.043 ng
RT: 7.440 min Scan# 81
Delta R.T. -0.012 min
Lab File: BF127223.D
Acq: 07 Mar 2022 15:31

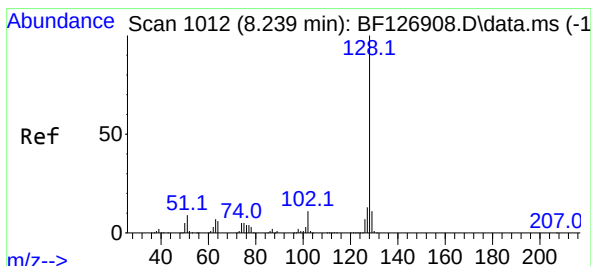
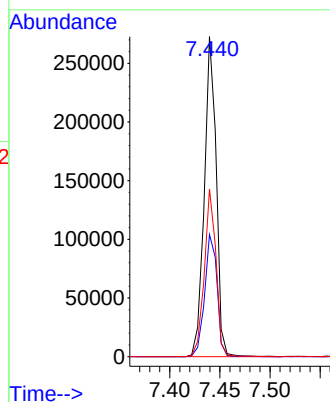
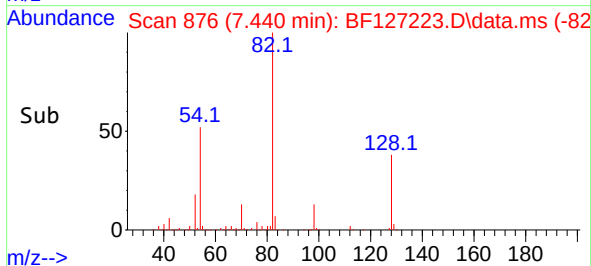
Instrument :
BNA_F
ClientSampleId :
VACLOT-TOPSOIL-GRILLO-01ADL



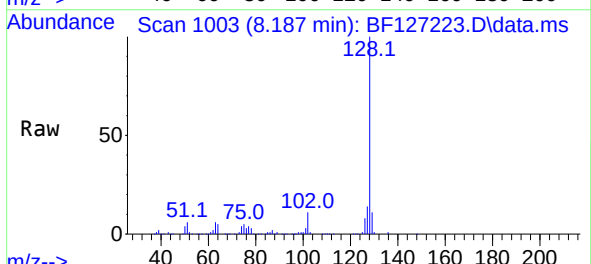
Tgt Ion: 82 Resp: 22649
Ion Ratio Lower Upper
82 100
128 38.2 32.7 49.1
54 52.4 41.7 62.5

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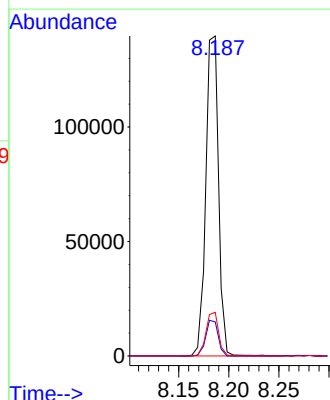
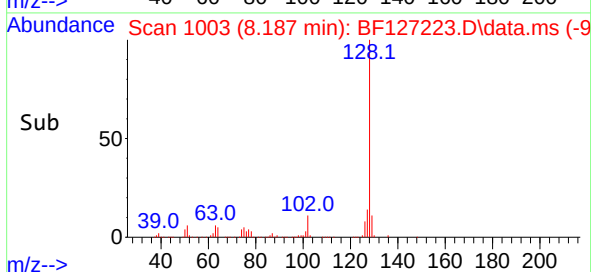
Reviewed By :Christian Giraldo 03/08/2022
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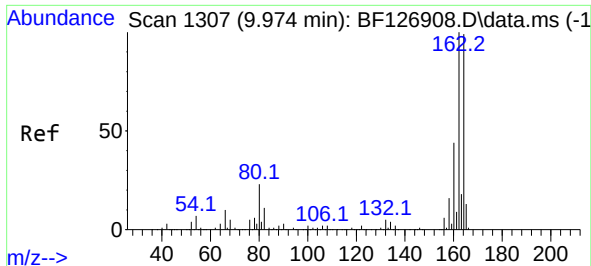


#31
Naphthalene
Concen: 6.300 ng
RT: 8.187 min Scan# 1003
Delta R.T. -0.000 min
Lab File: BF127223.D
Acq: 07 Mar 2022 15:31



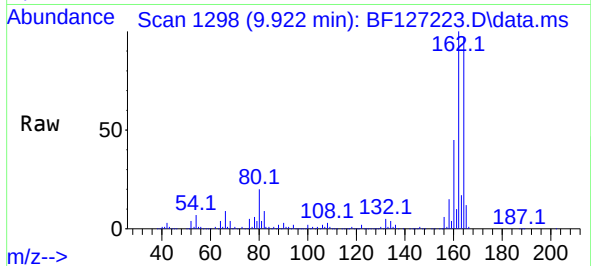
Tgt Ion:128 Resp: 124336
Ion Ratio Lower Upper
128 100
129 10.6 8.6 13.0
127 13.6 10.3 15.5





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF127223.D
Acq: 07 Mar 2022 15:31

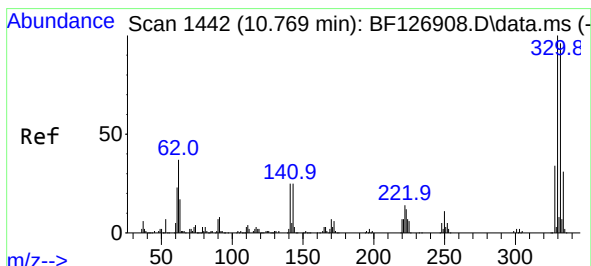
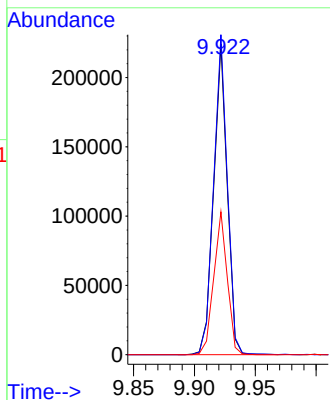
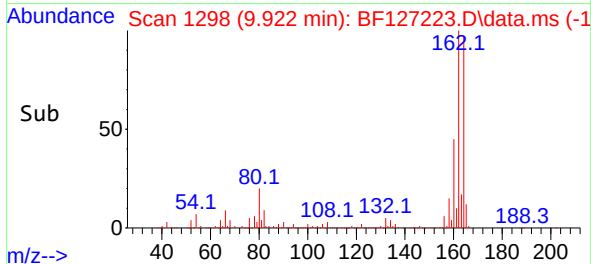
Instrument :
BNA_F
ClientSampleId :
VACLOT-TOPSOIL-GRILLO-01ADL



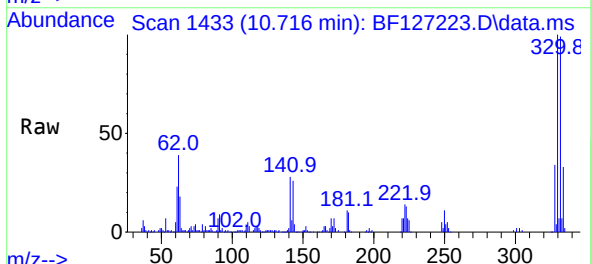
Tgt Ion:164 Resp: 17528
Ion Ratio Lower Upper
164 100
162 103.1 81.4 122.0
160 46.0 36.6 54.8

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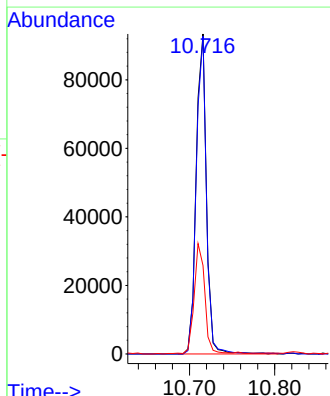
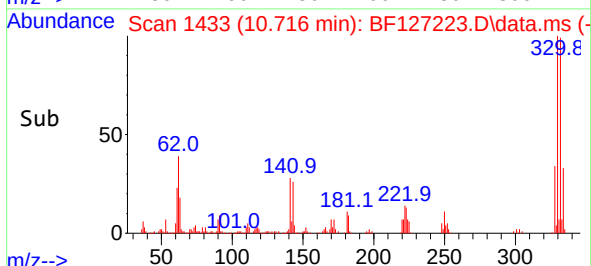
Reviewed By :Christian Giraldo 03/08/2022
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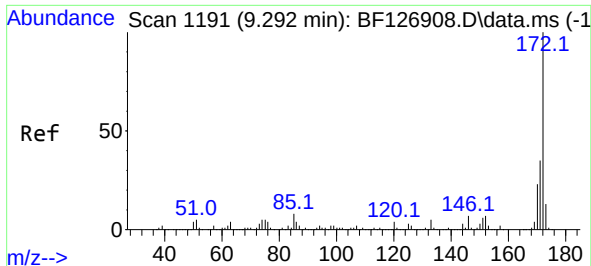


#42
2,4,6-Tribromophenol
Concen: 38.638 ng
RT: 10.716 min Scan# 1433
Delta R.T. -0.000 min
Lab File: BF127223.D
Acq: 07 Mar 2022 15:31



Tgt Ion:330 Resp: 77979
Ion Ratio Lower Upper
330 100
332 98.0 76.0 114.0
141 36.2 30.1 45.1





#45

2-Fluorobiphenyl

Concen: 26.963 ng

RT: 9.239 min Scan# 1191

Delta R.T. -0.000 min

Lab File: BF127223.D

Acq: 07 Mar 2022 15:31

Instrument :

BNA_F

ClientSampleId :

VACLOT-TOPSOIL-GRILLO-01ADL

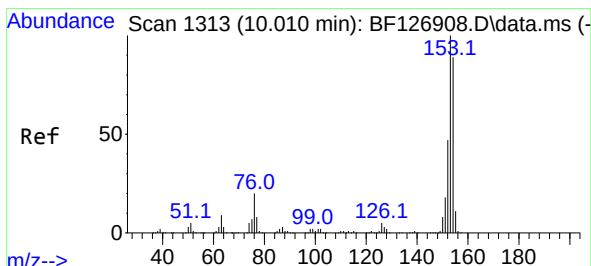
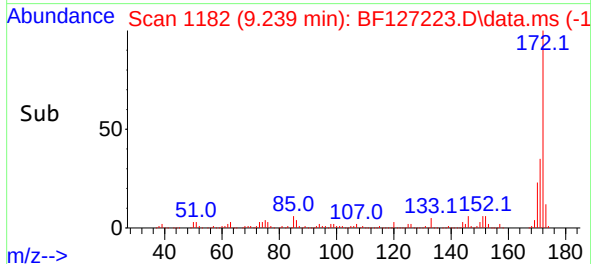
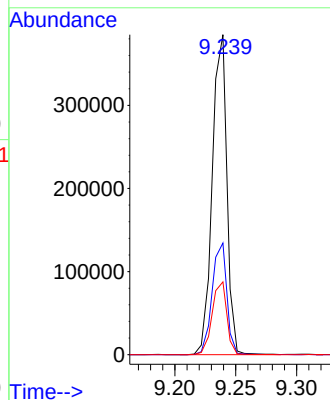
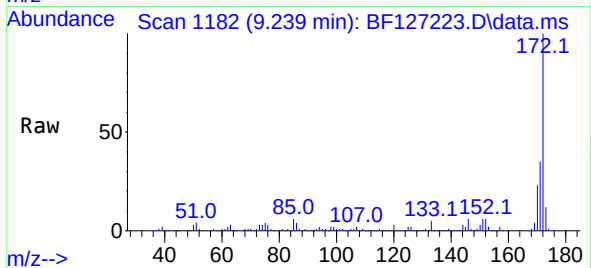
Tgt Ion:172 Resp: 32104

Ion	Ratio	Lower	Upper
172	100		
171	34.9	28.3	42.5
170	22.8	19.0	28.6

Manual Integrations

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Supervised By :Jagrut Upadhyay 03/08/2022



#52

Acenaphthene

Concen: 5.233 ng

RT: 9.951 min Scan# 1303

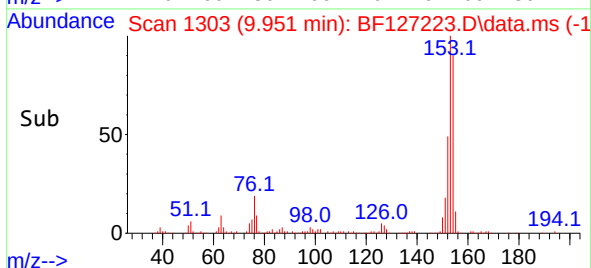
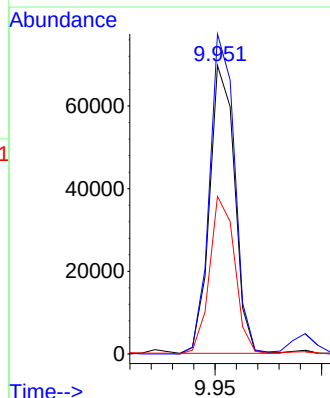
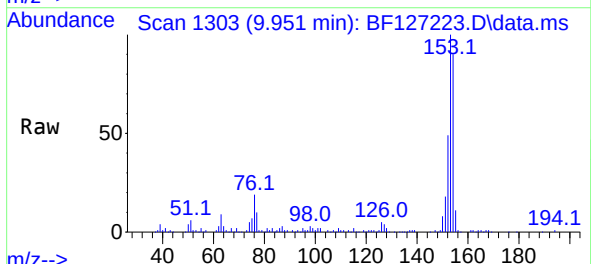
Delta R.T. -0.006 min

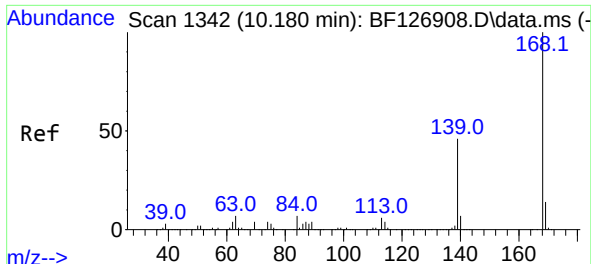
Lab File: BF127223.D

Acq: 07 Mar 2022 15:31

Tgt Ion:154 Resp: 56933

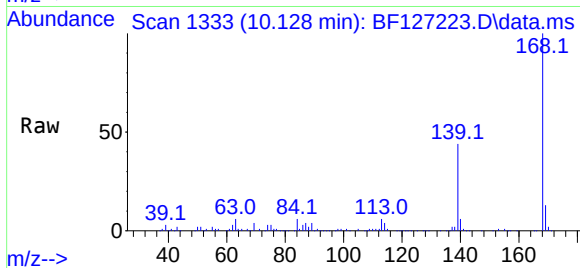
Ion	Ratio	Lower	Upper
154	100		
153	110.9	87.8	131.6
152	54.6	39.4	59.2





#55
Dibenzenofuran
Concen: 4.558 ng
RT: 10.128 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF127223.D
Acq: 07 Mar 2022 15:31

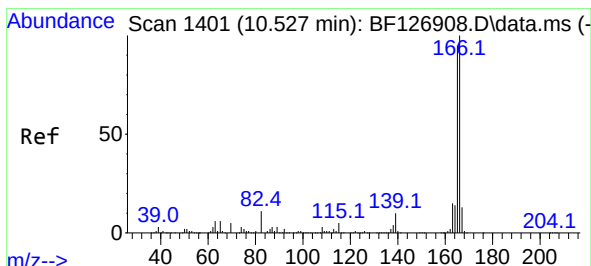
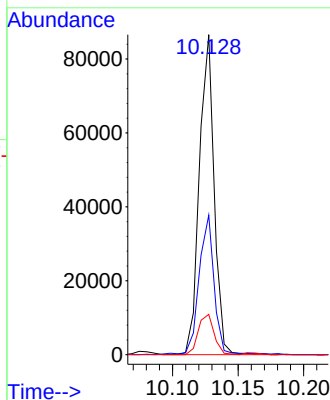
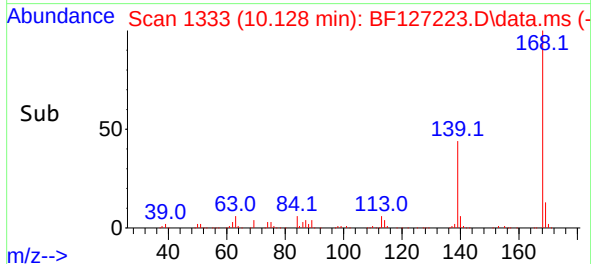
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Tgt Ion:168 Resp: 6818
Ion Ratio Lower Upper
168 100
139 43.6 30.6 46.0
169 12.6 10.0 15.0

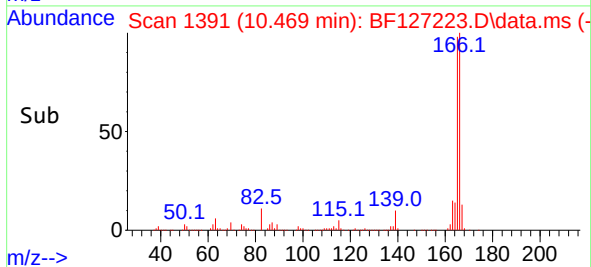
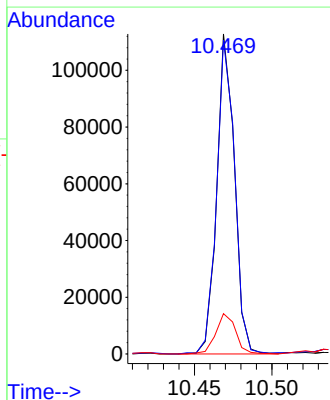
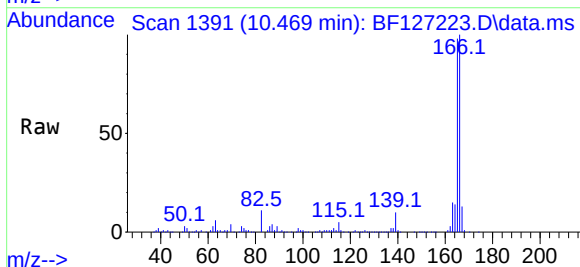
Manual Integrations
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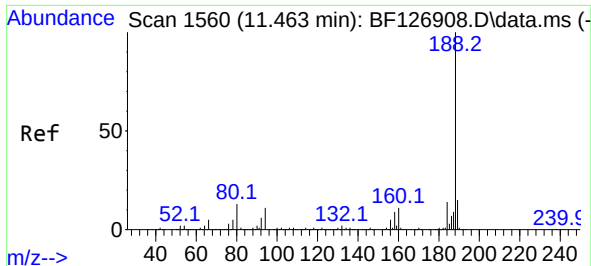
Reviewed By :Christian Giraldo 03/08/2022
Supervised By :Jagrut Upadhyay 03/08/2022



#58
Fluorene
Concen: 7.678 ng
RT: 10.469 min Scan# 1391
Delta R.T. -0.006 min
Lab File: BF127223.D
Acq: 07 Mar 2022 15:31

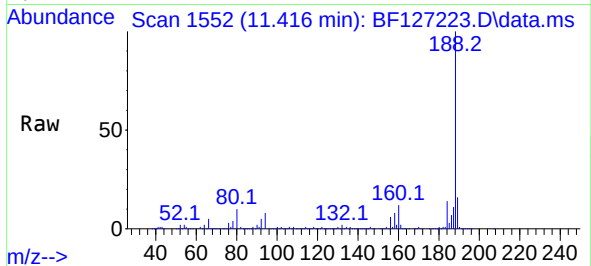
Tgt Ion:166 Resp: 89468
Ion Ratio Lower Upper
166 100
165 98.1 77.7 116.5
167 12.6 10.7 16.1





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.416 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF127223.D
Acq: 07 Mar 2022 15:31

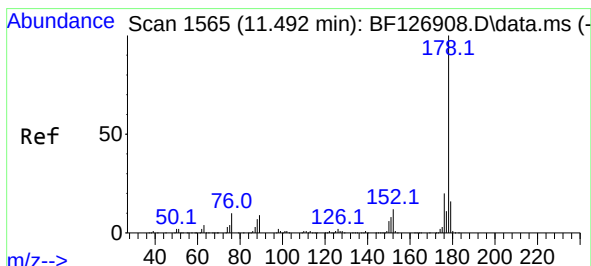
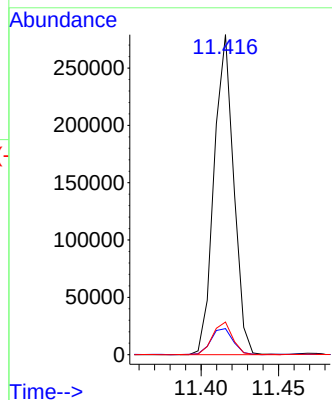
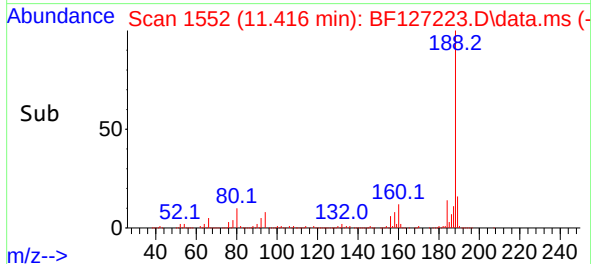
Instrument :
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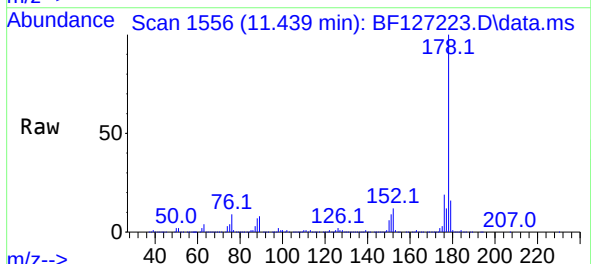
Tgt Ion:188 Resp: 245960
Ion Ratio Lower Upper
188 100
94 8.2 10.1 15.1
80 10.2 11.8 17.6

Manual Integrations
APPROVED

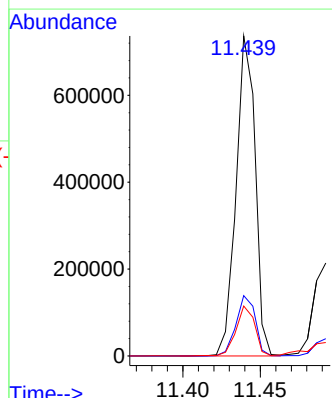
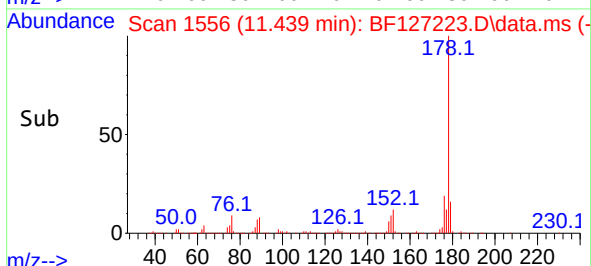
Reviewed By :Christian Giraldo 03/08/2022
Supervised By :Jagrut Upadhyay 03/08/2022

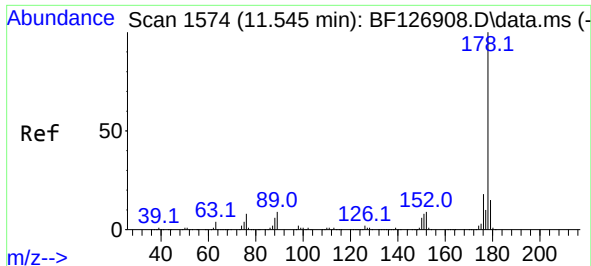


#71
Phenanthrene
Concen: 45.958 ng
RT: 11.439 min Scan# 1556
Delta R.T. -0.000 min
Lab File: BF127223.D
Acq: 07 Mar 2022 15:31



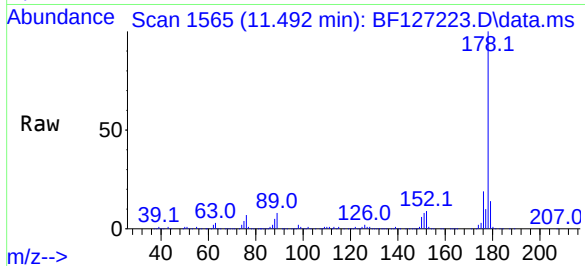
Tgt Ion:178 Resp: 632696
Ion Ratio Lower Upper
178 100
176 18.9 15.7 23.5
179 15.6 12.3 18.5





#72
 Anthracene
 Concen: 12.695 ng
 RT: 11.492 min Scan# 1591
 Delta R.T. 0.000 min
 Lab File: BF127223.D
 Acq: 07 Mar 2022 15:31

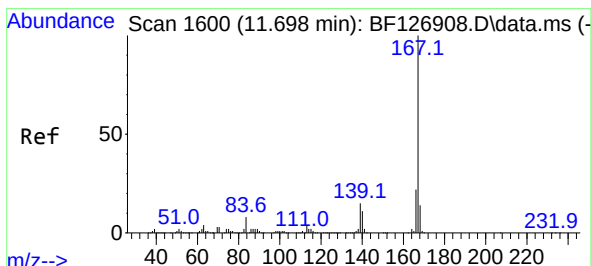
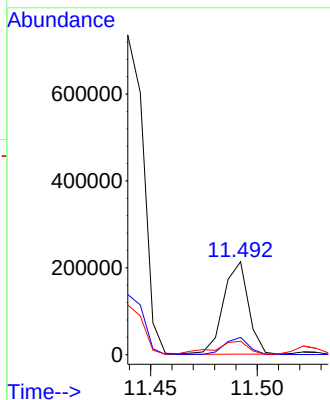
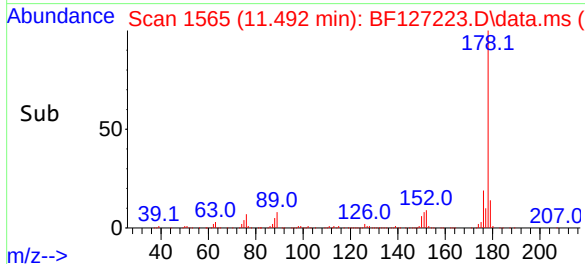
Instrument :
 BNA_F
 ClientSampleId :
 VACLOT-TOPSOIL-GRILLO-01ADL



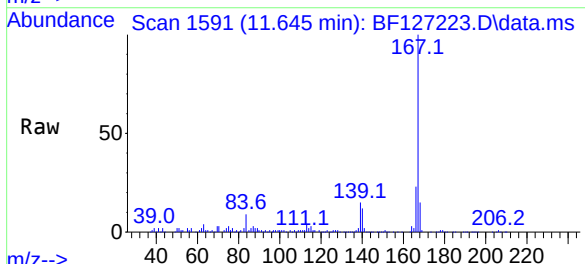
Tgt Ion:178 Resp: 173988
 Ion Ratio Lower Upper
 178 100
 176 18.6 15.0 22.6
 179 14.5 12.5 18.7

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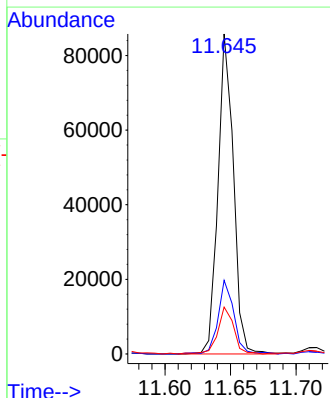
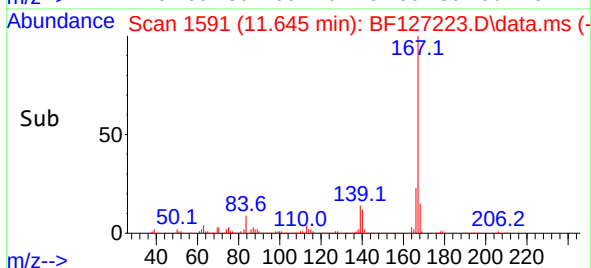
Reviewed By :Christian Giraldo 03/08/2022
 Supervised By :Jagrut Upadhyay 03/08/2022

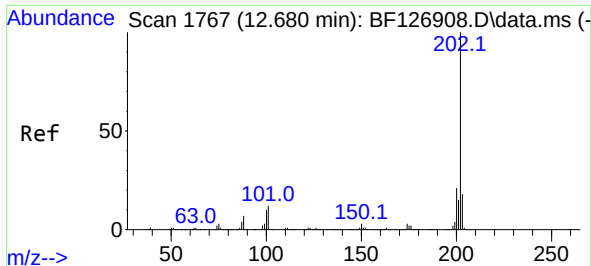


#73
 Carbazole
 Concen: 5.576 ng
 RT: 11.645 min Scan# 1591
 Delta R.T. -0.006 min
 Lab File: BF127223.D
 Acq: 07 Mar 2022 15:31



Tgt Ion:167 Resp: 70080
 Ion Ratio Lower Upper
 167 100
 166 23.0 16.9 25.3
 139 14.6 11.3 16.9





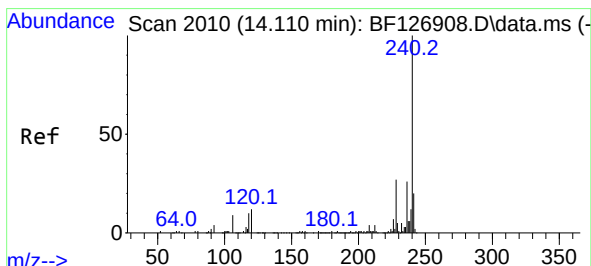
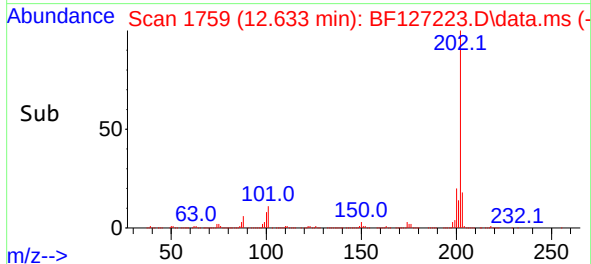
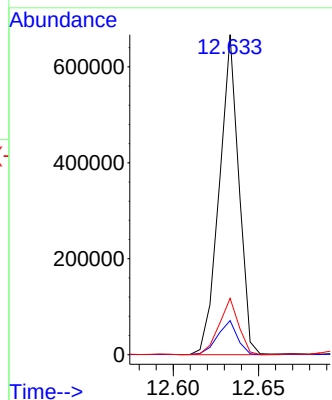
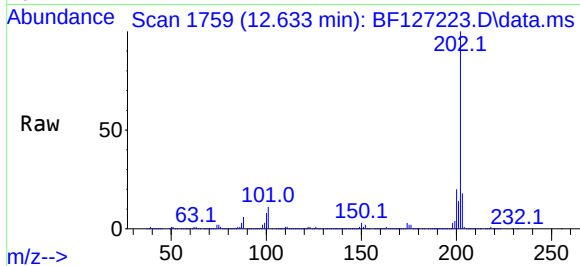
#75
Fluoranthene
Concen: 40.753 ng
RT: 12.633 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF127223.D
Acq: 07 Mar 2022 15:31

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

Tgt Ion:202 Resp: 532715
Ion Ratio Lower Upper
202 100
101 10.7 0.0 35.7
203 17.6 0.0 37.1

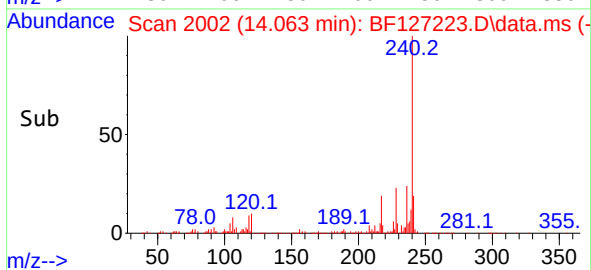
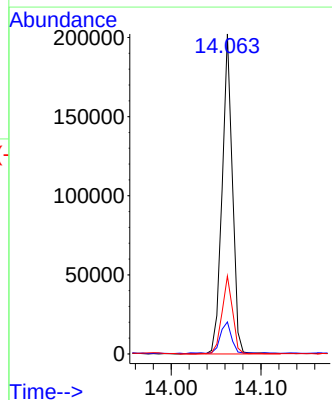
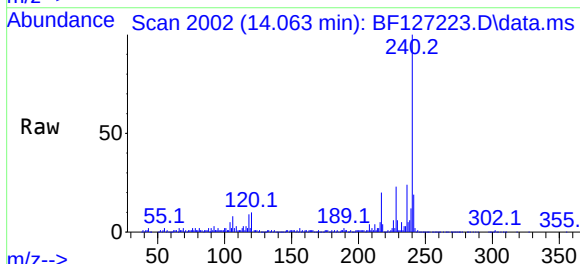
Manual Integrations
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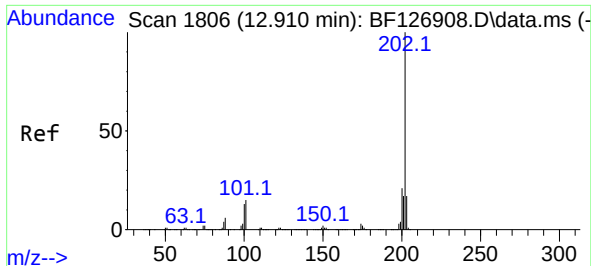
Reviewed By :Christian Giraldo 03/08/2022
Supervised By :Jagrut Upadhyay 03/08/2022



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.063 min Scan# 2002
Delta R.T. -0.000 min
Lab File: BF127223.D
Acq: 07 Mar 2022 15:31

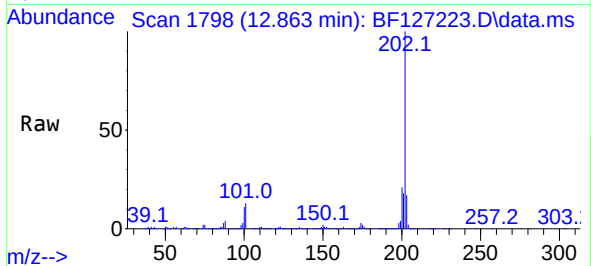
Tgt Ion:240 Resp: 161538
Ion Ratio Lower Upper
240 100
120 10.0 14.4 21.6#
236 24.4 20.5 30.7





#78
Pyrene
Concen: 28.923 ng
RT: 12.863 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF127223.D
Acq: 07 Mar 2022 15:31

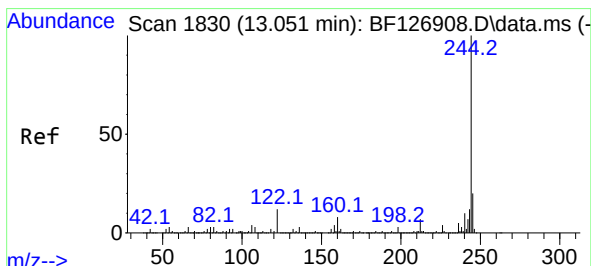
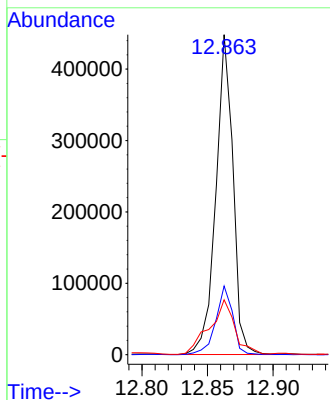
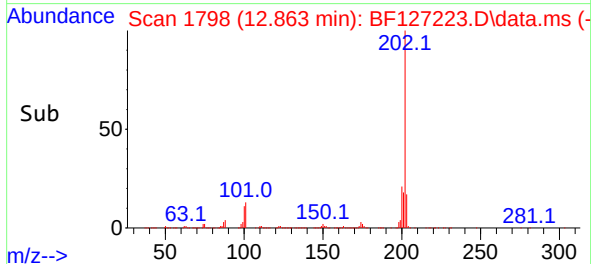
Instrument :
BNA_F
ClientSampleId :
VACLOT-TOPSOIL-GRILLO-01ADL



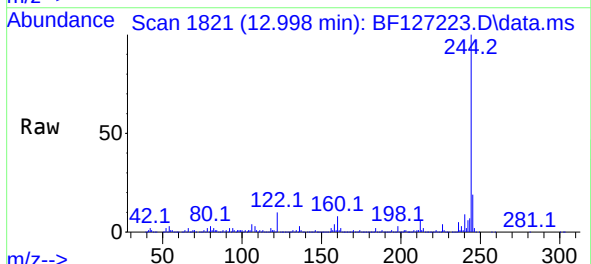
Tgt Ion:202 Resp: 405908
Ion Ratio Lower Upper
202 100
200 21.5 16.6 24.8
203 17.2 13.8 20.8

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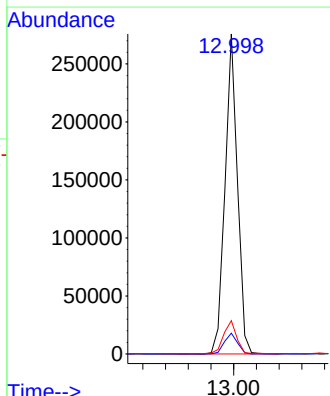
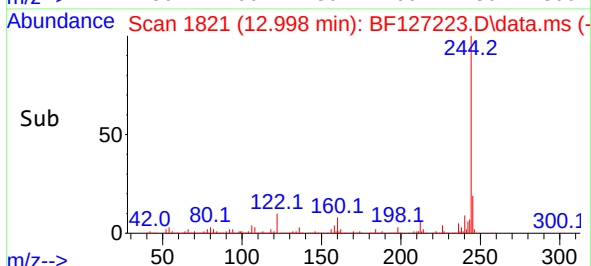
Reviewed By :Christian Giraldo 03/08/2022
Supervised By :Jagrut Upadhyay 03/08/2022

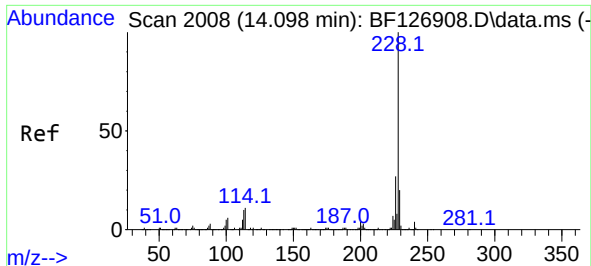


#79
Terphenyl-d14
Concen: 19.088 ng
RT: 12.998 min Scan# 1821
Delta R.T. 0.000 min
Lab File: BF127223.D
Acq: 07 Mar 2022 15:31



Tgt Ion:244 Resp: 209751
Ion Ratio Lower Upper
244 100
212 6.5 5.0 7.4
122 10.4 13.3 19.9#





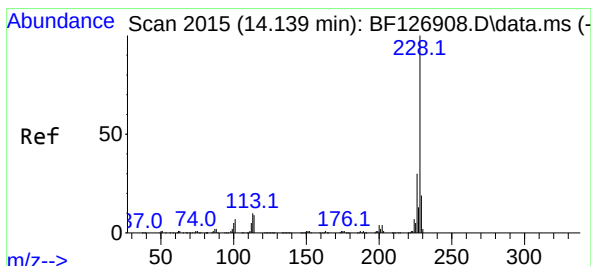
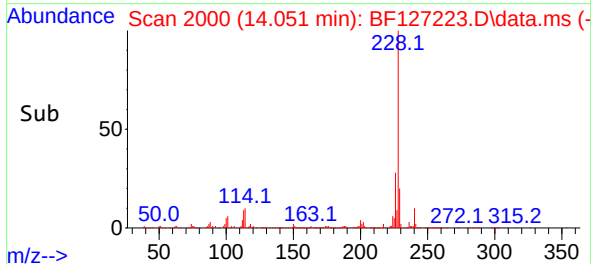
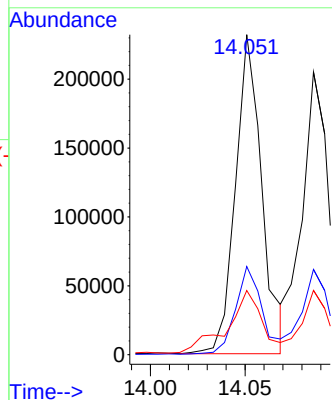
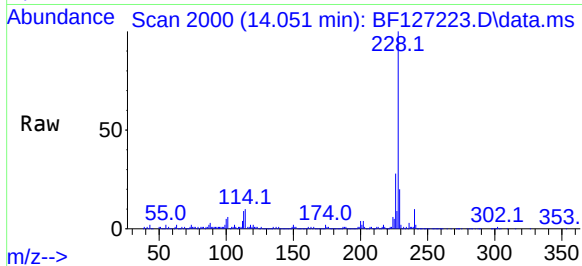
#81
Benzo(a)anthracene
Concen: 20.688 ng
RT: 14.051 min Scan# 2000
Delta R.T. -0.000 min
Lab File: BF127223.D
Acq: 07 Mar 2022 15:31

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

Tgt Ion:228 Resp: 225299
Ion Ratio Lower Upper
228 100
226 27.6 21.4 32.0
229 20.1 15.4 23.2

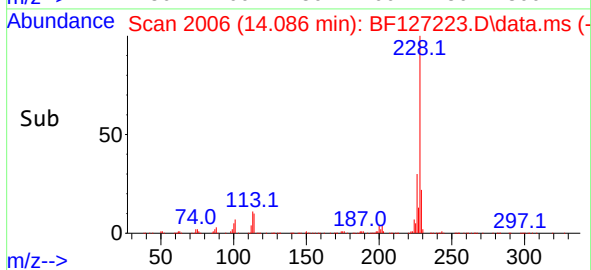
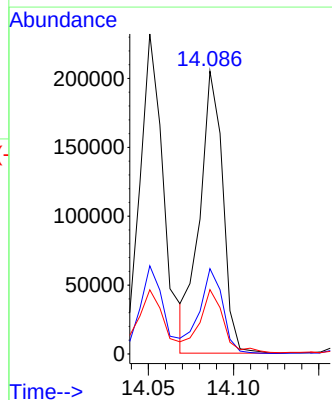
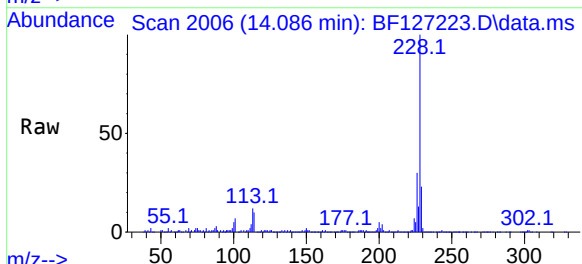
Manual Integrations
APPROVED

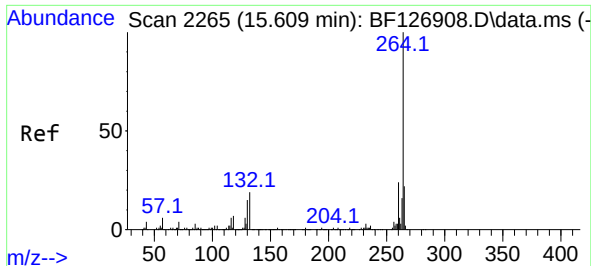
Reviewed By :Christian Giraldo 03/08/2022
Supervised By :Jagrut Upadhyay 03/08/2022



#83
Chrysene
Concen: 18.911 ng
RT: 14.086 min Scan# 2006
Delta R.T. -0.000 min
Lab File: BF127223.D
Acq: 07 Mar 2022 15:31

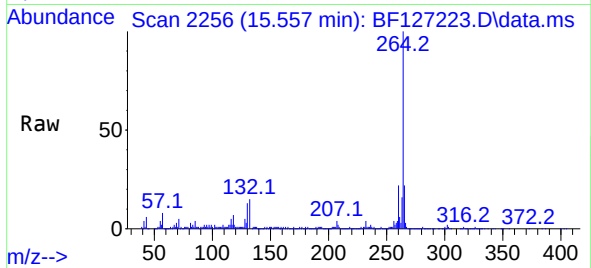
Tgt Ion:228 Resp: 193666
Ion Ratio Lower Upper
228 100
226 30.2 23.7 35.5
229 22.8 15.5 23.3





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.557 min Scan# 2112
Delta R.T. 0.012 min
Lab File: BF127223.D
Acq: 07 Mar 2022 15:31

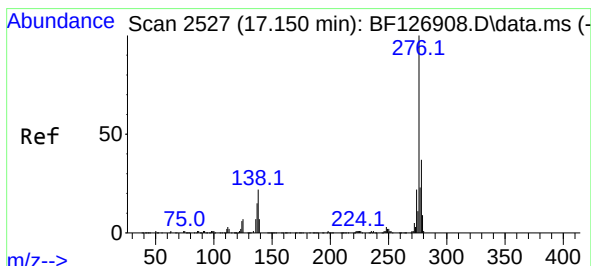
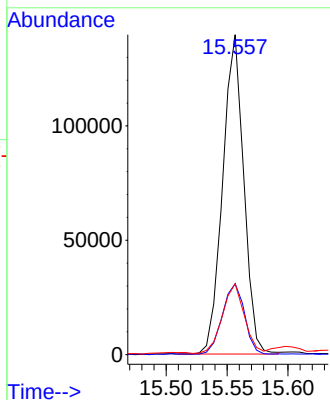
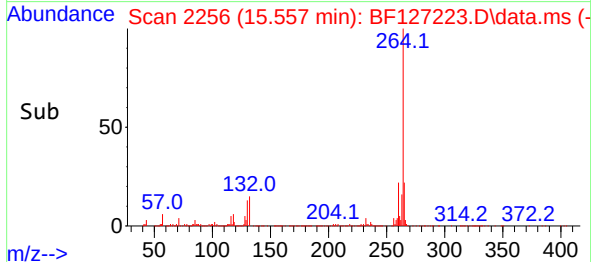
Instrument :
BNA_F
ClientSampleId :
VACLOT-TOPSOIL-GRILLO-01ADL



Tgt Ion:264 Resp: 168150
Ion Ratio Lower Upper
264 100
260 22.2 19.2 28.8
265 22.1 17.4 26.2

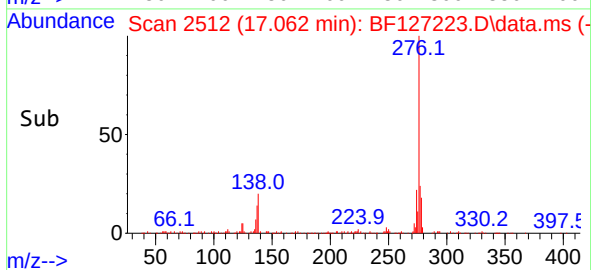
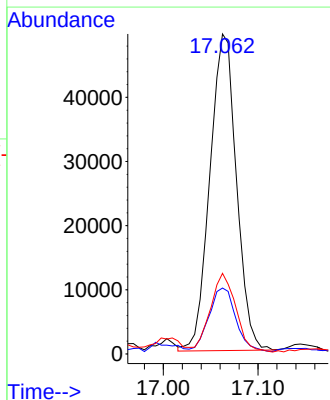
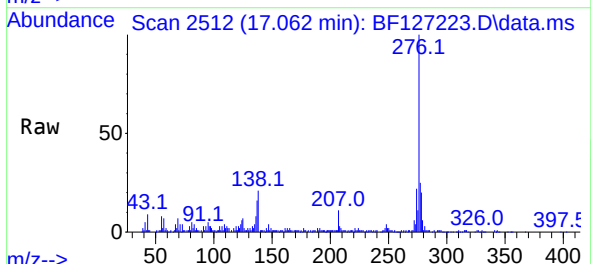
Manual Integrations
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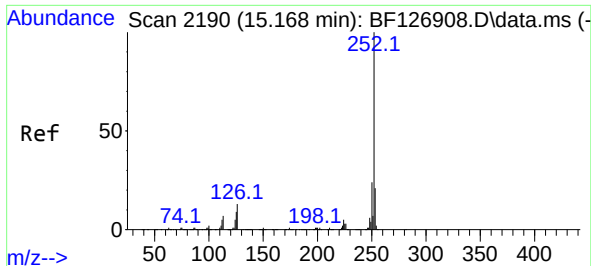
Reviewed By :Christian Giraldo 03/08/2022
Supervised By :Jagrut Upadhyay 03/08/2022



#87
Indeno(1,2,3-cd)pyrene
Concen: 8.720 ng
RT: 17.062 min Scan# 2512
Delta R.T. 0.006 min
Lab File: BF127223.D
Acq: 07 Mar 2022 15:31

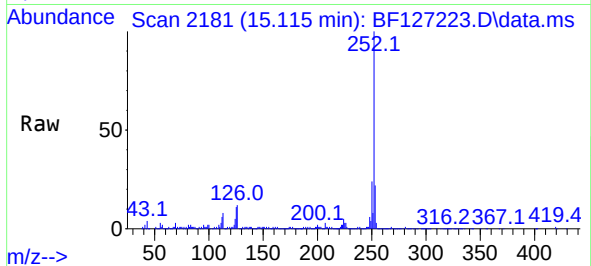
Tgt Ion:276 Resp: 96148
Ion Ratio Lower Upper
276 100
138 20.3 29.2 43.8#
277 23.9 19.8 29.8





#88
Benzo(b)fluoranthene
Concen: 23.059 ng m
RT: 15.115 min Scan# 2190
Delta R.T. 0.006 min
Lab File: BF127223.D
Acq: 07 Mar 2022 15:31

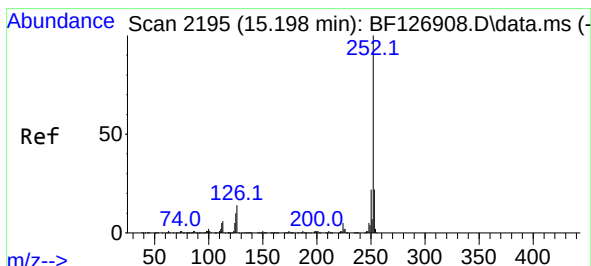
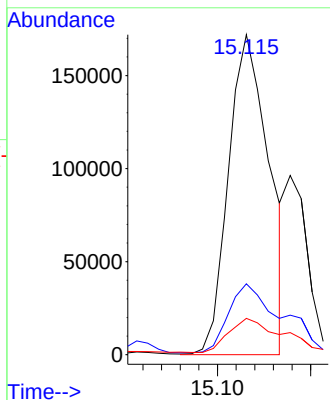
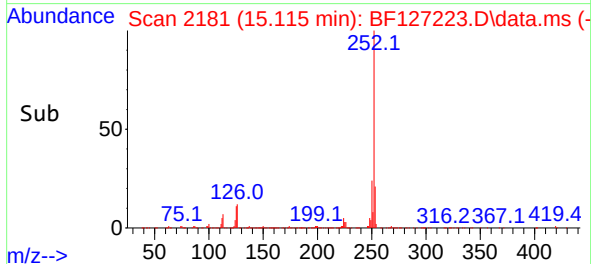
Instrument :
BNA_F
ClientSampleId :
VACLOT-TOPSOIL-GRILLO-01ADL



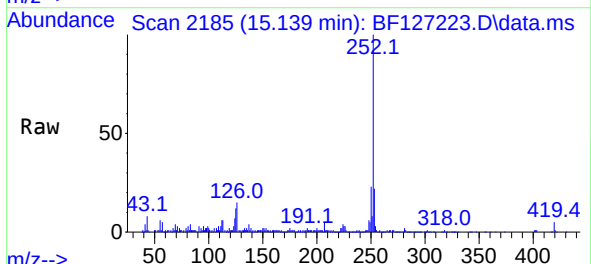
Tgt Ion:252 Resp: 260428
Ion Ratio Lower Upper
252 100
253 22.1 17.8 26.8
125 11.4 12.4 18.6

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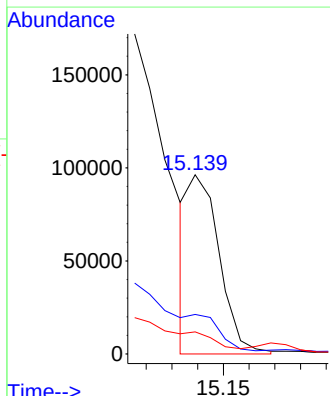
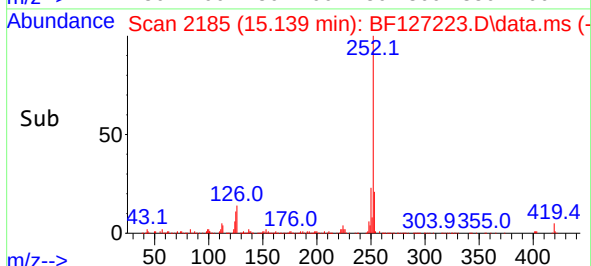
Reviewed By :Christian Giraldo 03/08/2022
Supervised By :Jagrut Upadhyay 03/08/2022

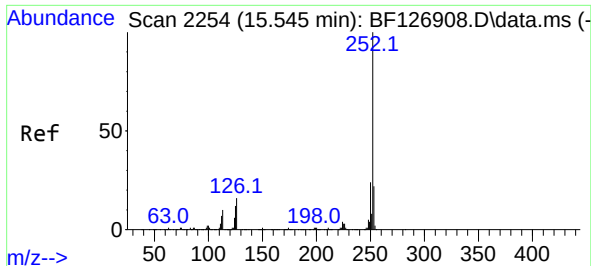


#89
Benzo(k)fluoranthene
Concen: 7.298 ng m
RT: 15.139 min Scan# 2185
Delta R.T. -0.000 min
Lab File: BF127223.D
Acq: 07 Mar 2022 15:31



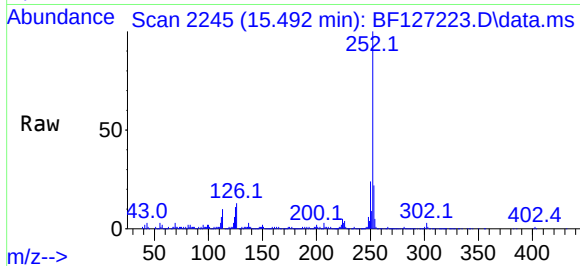
Tgt Ion:252 Resp: 79498
Ion Ratio Lower Upper
252 100
253 22.1 17.5 26.3
125 12.4 11.8 17.6





#90
Benzo(a)pyrene
Concen: 20.961 ng m
RT: 15.492 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF127223.D
Acq: 07 Mar 2022 15:31

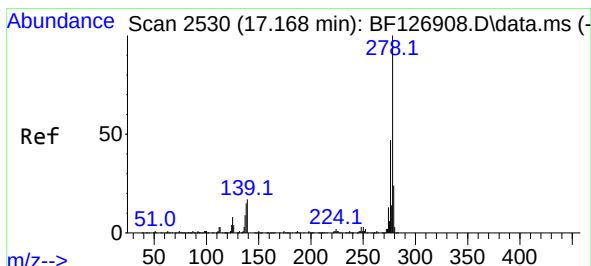
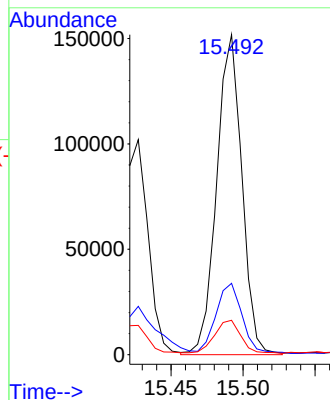
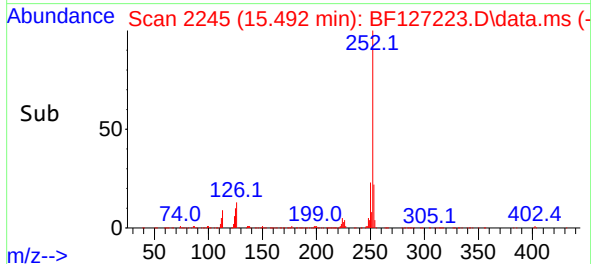
Instrument :
BNA_F
ClientSampleId :
VACLOT-TOPSOIL-GRILLO-01ADL



Tgt Ion:252 Resp: 184909
Ion Ratio Lower Upper
252 100
253 22.3 17.1 25.7
125 10.8 13.0 19.6

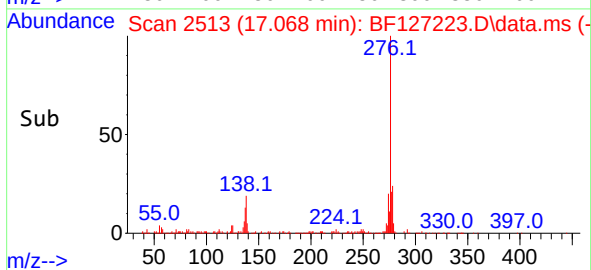
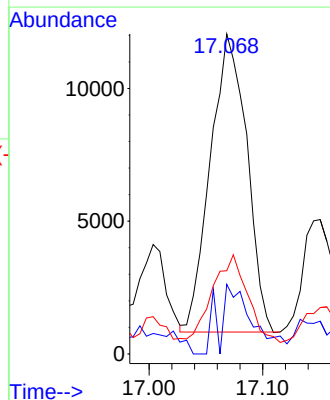
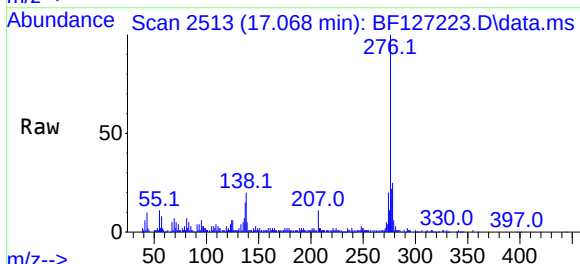
Manual Integrations
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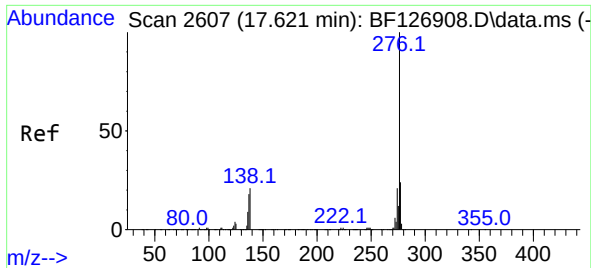
Reviewed By :Christian Giraldo 03/08/2022
Supervised By :Jagrut Upadhyay 03/08/2022



#91
Dibenzo(a,h)anthracene
Concen: 2.743 ng
RT: 17.068 min Scan# 2513
Delta R.T. -0.006 min
Lab File: BF127223.D
Acq: 07 Mar 2022 15:31

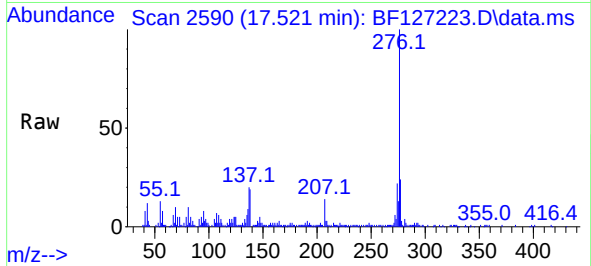
Tgt Ion:278 Resp: 25012
Ion Ratio Lower Upper
278 100
139 21.8 18.0 27.0
279 26.0 18.6 27.8





#92
Benzo(g,h,i)perylene
Concen: 9.641 ng
RT: 17.521 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF127223.D
Acq: 07 Mar 2022 15:31

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



Tgt Ion: 276 Resp: 86673
Ion Ratio Lower Upper
276 100
277 24.1 18.5 27.7
138 19.0 25.9 38.9

Manual Integrations
APPROVED

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

