

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013122\
 Data File : BF126765.D
 Acq On : 31 Jan 2022 21:35
 Operator : CG/JU
 Sample : N1310-01DL 10X
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-PILEDL

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 02/01/2022
 Supervised By : Jagrut Upadhyay 02/01/2022

Quant Time: Feb 01 02:43:26 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011822.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jan 27 03:09:40 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.957	152	144756	20.000	ng	0.00
21) Naphthalene-d8	8.240	136	579722	20.000	ng	0.00
39) Acenaphthene-d10	9.998	164	323453	20.000	ng	0.00
64) Phenanthrene-d10	11.492	188	565035	20.000	ng	0.00
76) Chrysene-d12	14.139	240	330949	20.000	ng	# 0.00
86) Perylene-d12	15.663	264	271971	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.563	112	116331	10.575	ng	0.00
7) Phenol-d6	6.563	99	161075	10.539	ng	-0.01
23) Nitrobenzene-d5	7.510	82	109107	7.367	ng	-0.01
42) 2,4,6-Tribromophenol	10.786	330	13685	4.521	ng	0.00
45) 2-Fluorobiphenyl	9.310	172	170459	8.071	ng	0.00
79) Terphenyl-d14	13.075	244	177488	8.995	ng	0.00
Target Compounds						Qvalue
37) 2-Methylnaphthalene	8.951	142	41261	2.118	ng	96
52) Acenaphthene	10.034	154	261069	14.219	ng	96
55) Dibenzofuran	10.204	168	181357	6.573	ng	97
58) Fluorene	10.545	166	263501	12.649	ng	100
71) Phenanthrene	11.522	178	1441013	44.639	ng	99
72) Anthracene	11.569	178	170483	5.264	ng	98
73) Carbazole	11.716	167	75304	2.476	ng	98
75) Fluoranthene	12.716	202	1463783	45.908	ng	96
78) Pyrene	12.945	202	1062550	39.702	ng	99
81) Benzo(a)anthracene	14.127	228	243121	10.808	ng	99
83) Chrysene	14.163	228	179793	8.307	ng	97
88) Benzo(b)fluoranthene	15.210	252	130629m	7.243	ng	
89) Benzo(k)fluoranthene	15.233	252	38709m	2.186	ng	
90) Benzo(a)pyrene	15.592	252	63975	4.360	ng	96

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

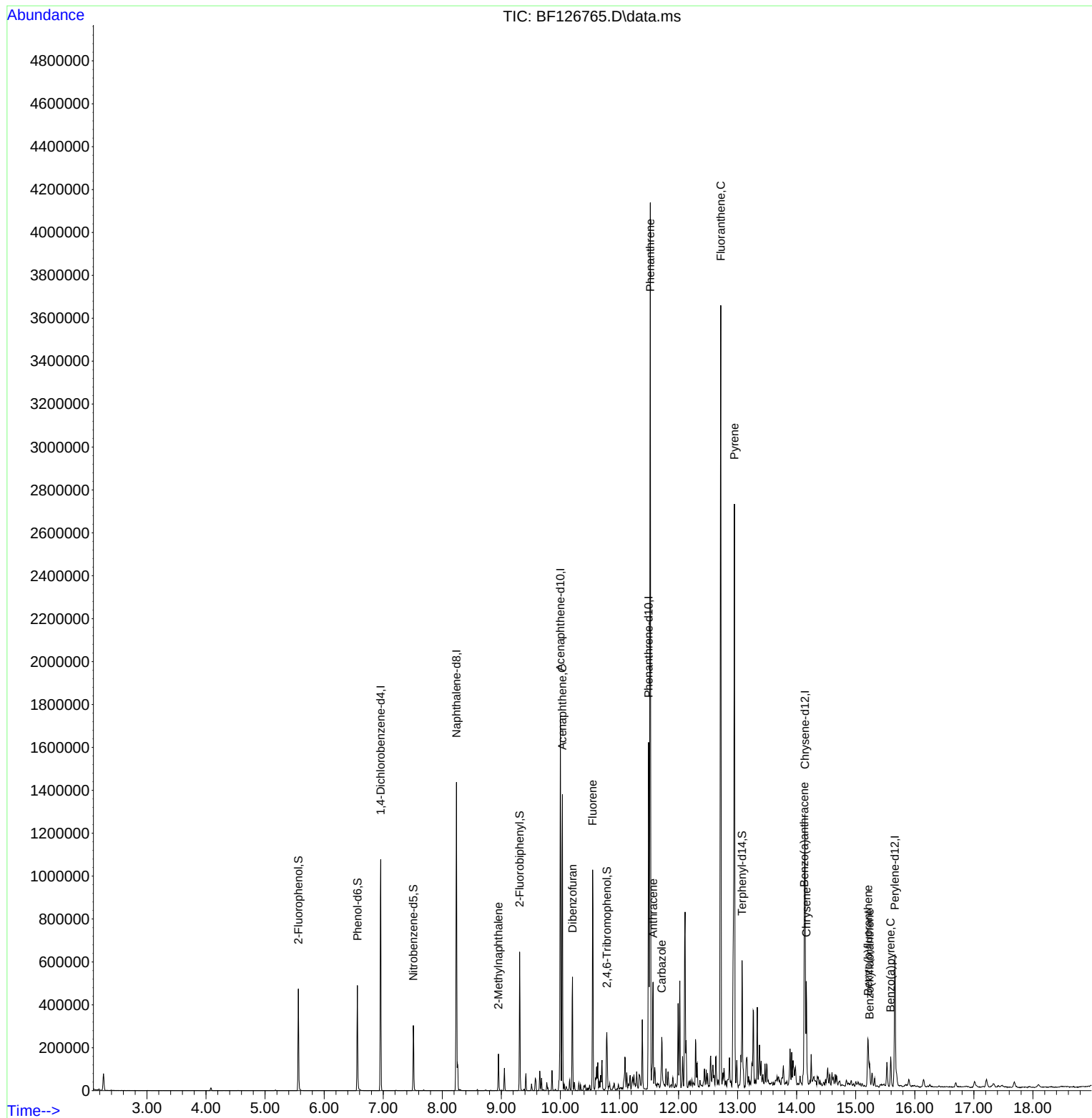
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Data File : BF126765.D
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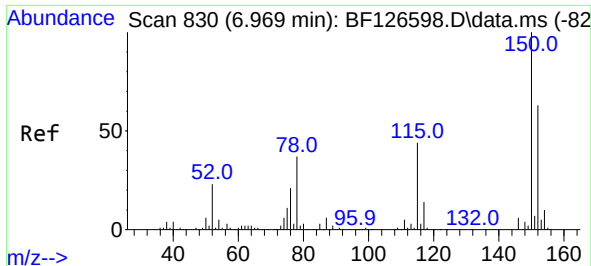
Instrument :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011822.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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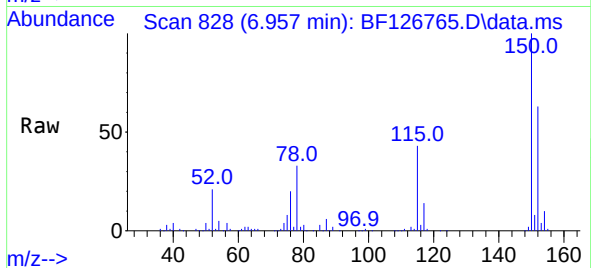
Reviewed By : Christian Giraldo 02/01/2022
Supervised By : Jagrut Upadhyay 02/01/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.957 min Scan# 81
Delta R.T. 0.000 min
Lab File: BF126765.D
Acq: 31 Jan 2022 21:35

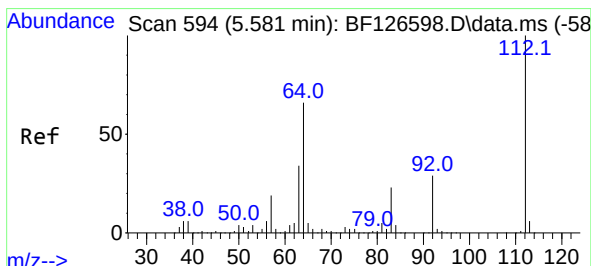
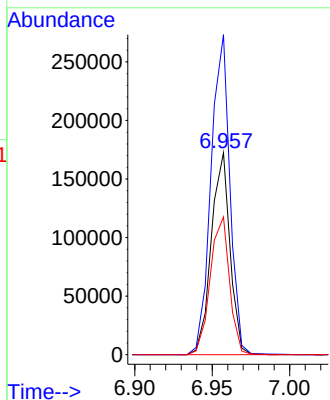
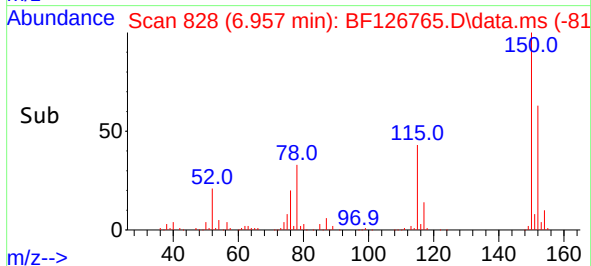
Instrument :
BNA_F
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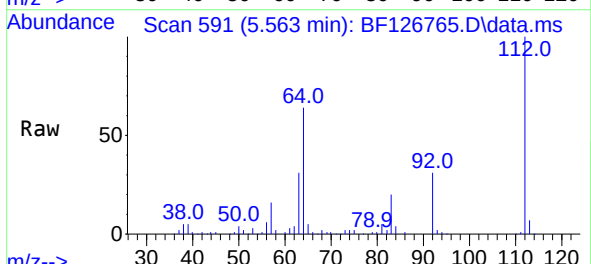
Tgt Ion:152 Resp: 144750
Ion Ratio Lower Upper
152 100
150 158.5 128.1 192.1
115 68.2 56.7 85.1

Manual Integrations
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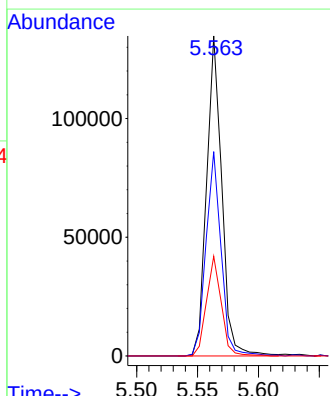
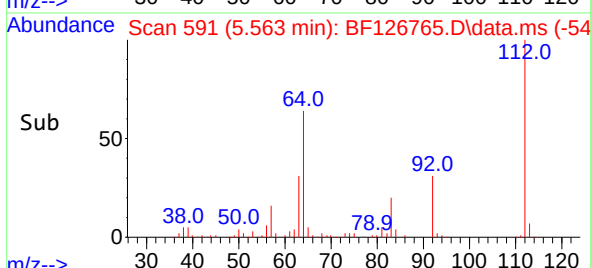
Reviewed By :Christian Giraldo 02/01/2022
Supervised By :Jagrut Upadhyay 02/01/2022

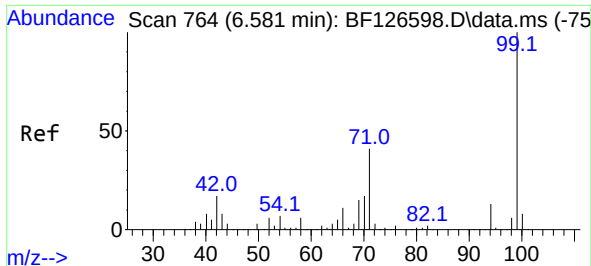


#5
2-Fluorophenol
Concen: 10.575 ng
RT: 5.563 min Scan# 591
Delta R.T. -0.006 min
Lab File: BF126765.D
Acq: 31 Jan 2022 21:35



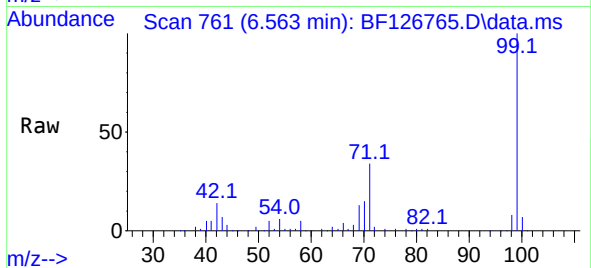
Tgt Ion:112 Resp: 116331
Ion Ratio Lower Upper
112 100
64 63.8 49.5 74.3
63 31.2 23.9 35.9





#7
Phenol-d6
Concen: 10.539 ng
RT: 6.563 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF126765.D
Acq: 31 Jan 2022 21:35

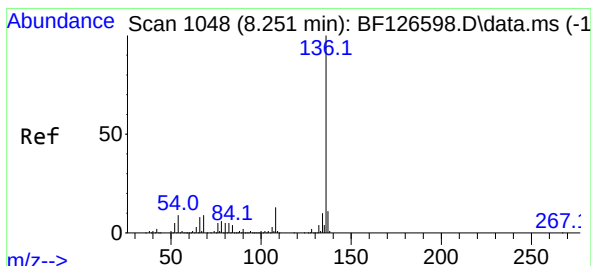
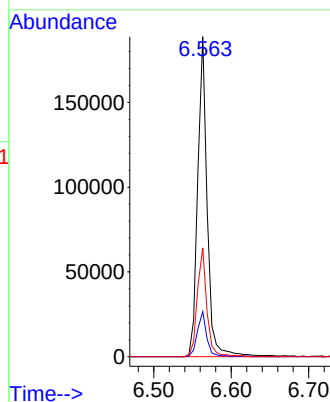
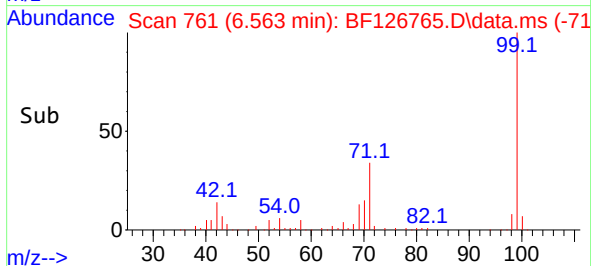
Instrument :
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ClientSampleId :
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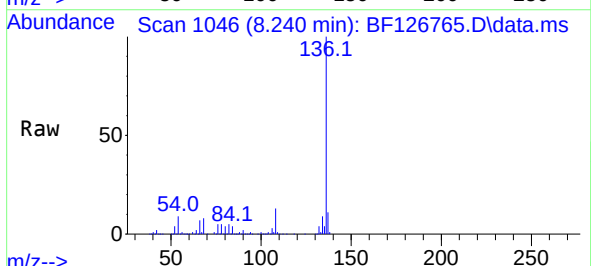
Tgt Ion: 99 Resp: 161079
Ion Ratio Lower Upper
99 100
42 14.0 14.2 21.4
71 34.0 24.3 36.5

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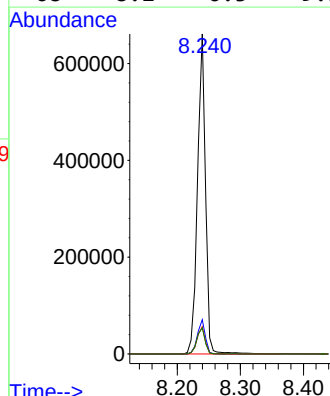
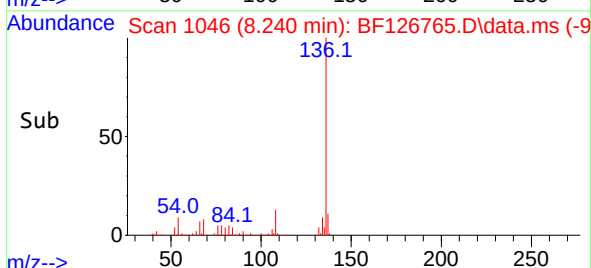
Reviewed By :Christian Giraldo 02/01/2022
Supervised By :Jagrut Upadhyay 02/01/2022

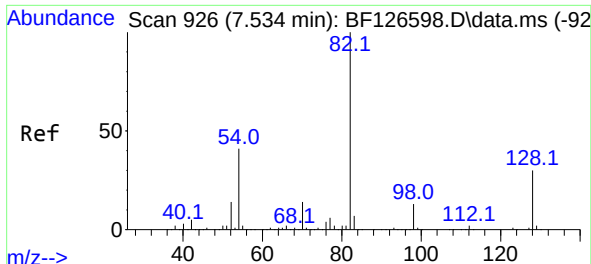


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.240 min Scan# 1046
Delta R.T. 0.000 min
Lab File: BF126765.D
Acq: 31 Jan 2022 21:35



Tgt Ion:136 Resp: 579722
Ion Ratio Lower Upper
136 100
137 10.7 8.6 13.0
54 8.5 7.8 11.6
68 8.2 6.3 9.5





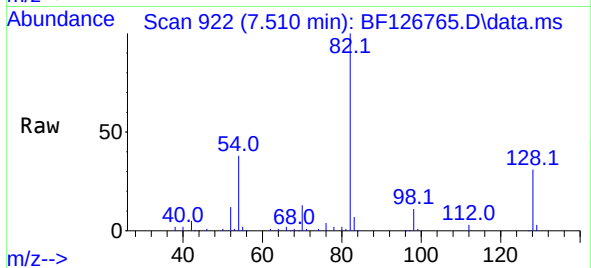
#23
Nitrobenzene-d5
Concen: 7.367 ng
RT: 7.510 min Scan# 91
Delta R.T. -0.012 min
Lab File: BF126765.D
Acq: 31 Jan 2022 21:35

Instrument :

BNA_F

ClientSampleId :

SOIL-PILEDL

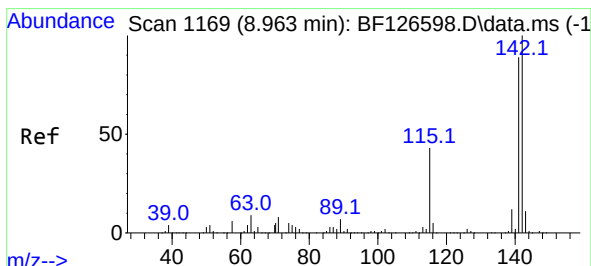
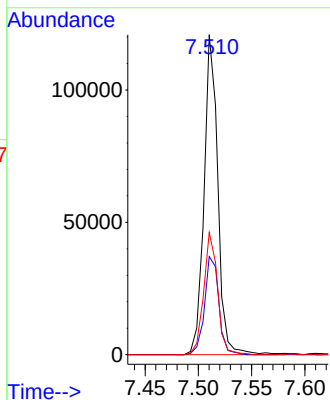
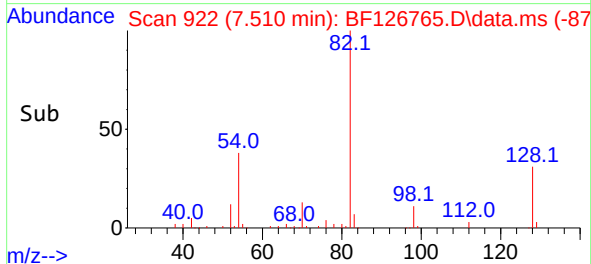


Tgt Ion: 82 Resp: 10910
Ion Ratio Lower Upper
82 100
128 30.6 32.7 49.1
54 38.2 41.7 62.5

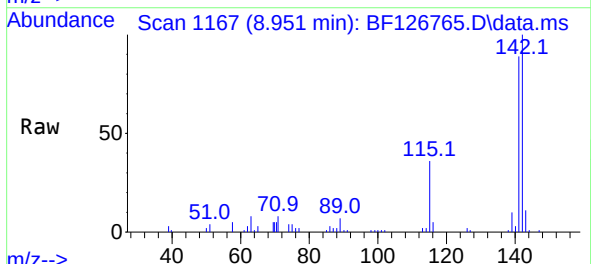
Manual Integrations

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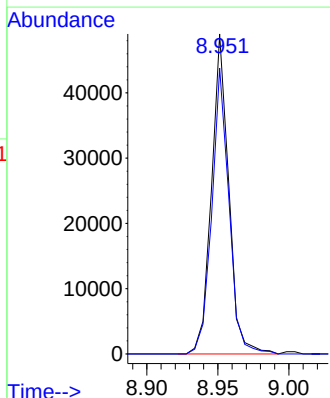
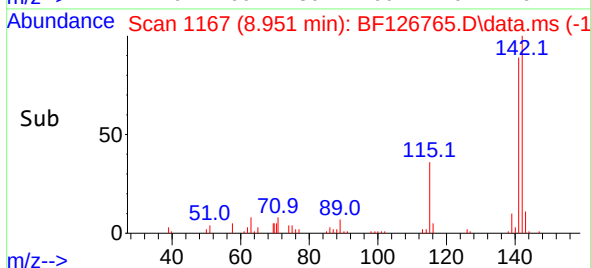
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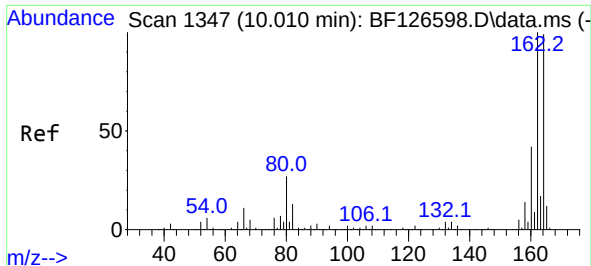


#37
2-Methylnaphthalene
Concen: 2.118 ng
RT: 8.951 min Scan# 1167
Delta R.T. 0.000 min
Lab File: BF126765.D
Acq: 31 Jan 2022 21:35



Tgt Ion:142 Resp: 41261
Ion Ratio Lower Upper
142 100
141 89.4 68.6 102.8





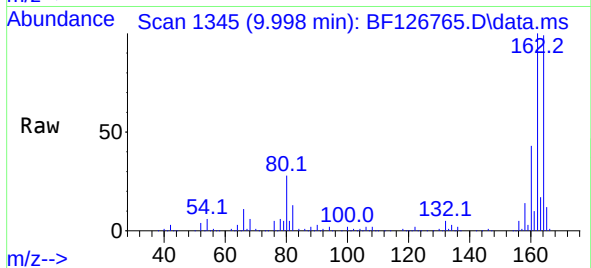
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.998 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF126765.D
Acq: 31 Jan 2022 21:35

Instrument :

BNA_F

ClientSampleId :

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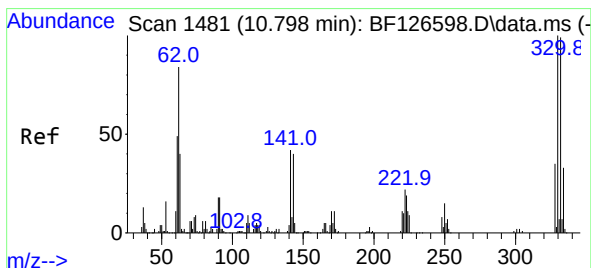
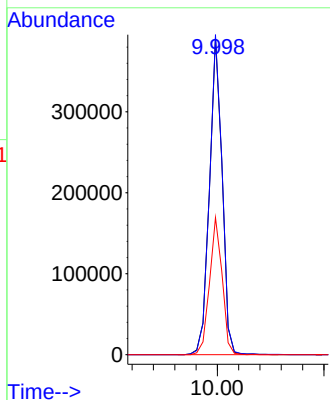
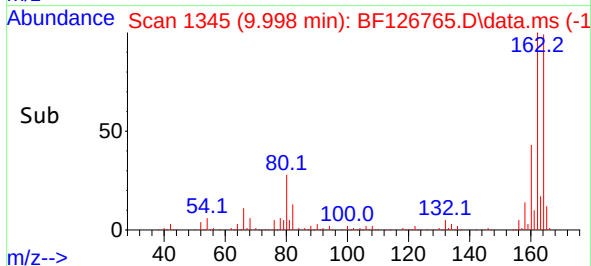


Tgt Ion:164 Resp: 32345
Ion Ratio Lower Upper
164 100
162 100.9 81.4 122.0
160 43.3 36.6 54.8

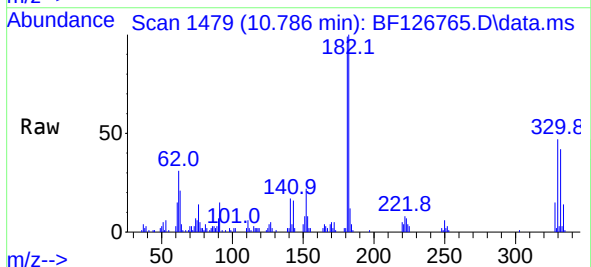
Manual Integrations

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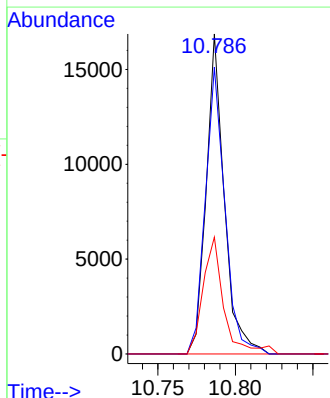
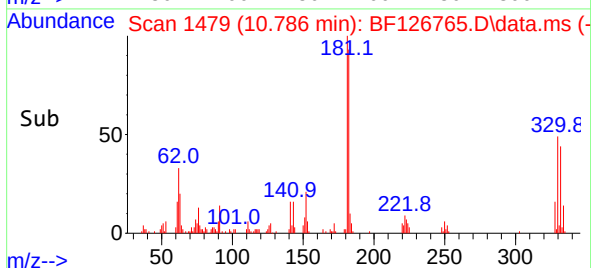
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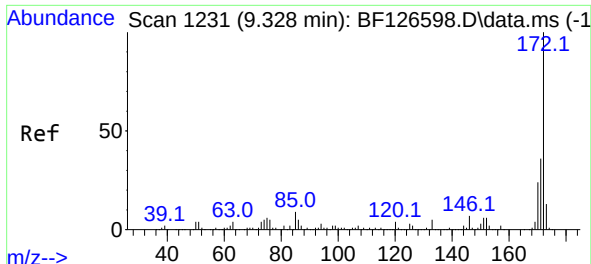


#42
2,4,6-Tribromophenol
Concen: 4.521 ng
RT: 10.786 min Scan# 1479
Delta R.T. -0.006 min
Lab File: BF126765.D
Acq: 31 Jan 2022 21:35



Tgt Ion:330 Resp: 13685
Ion Ratio Lower Upper
330 100
332 97.1 76.0 114.0
141 41.7 30.1 45.1





#45
2-Fluorobiphenyl
Concen: 8.071 ng
RT: 9.310 min Scan# 1228
Delta R.T. -0.006 min
Lab File: BF126765.D
Acq: 31 Jan 2022 21:35

Instrument :

BNA_F

ClientSampleId :

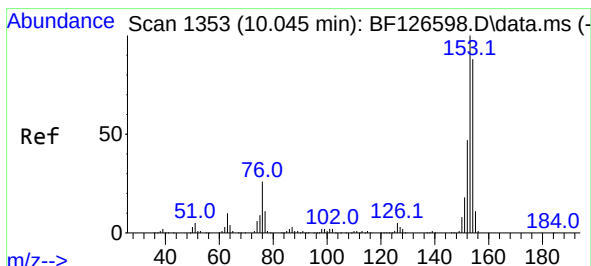
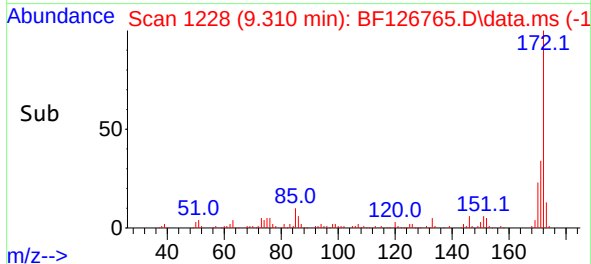
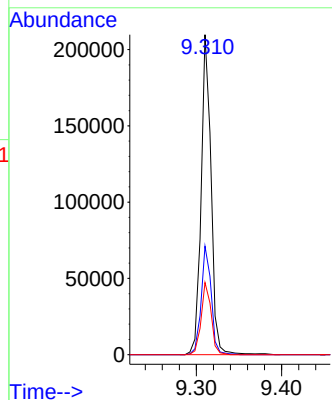
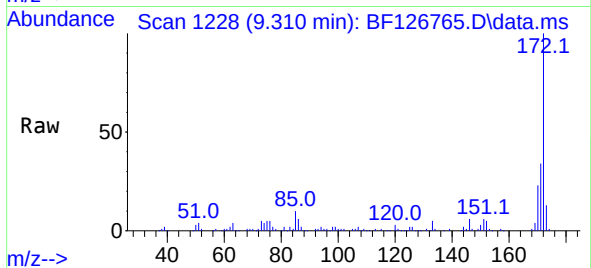
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Tgt Ion:172 Resp: 170459
Ion Ratio Lower Upper
172 100
171 33.9 28.3 42.5
170 22.6 19.0 28.6

Manual Integrations

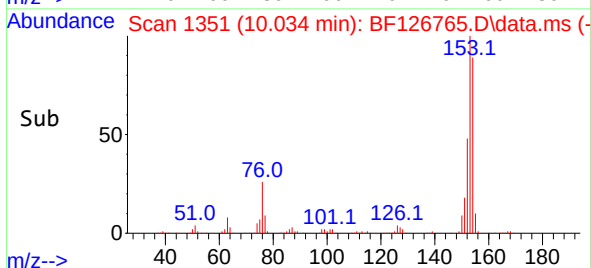
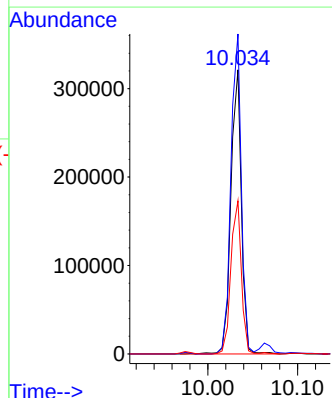
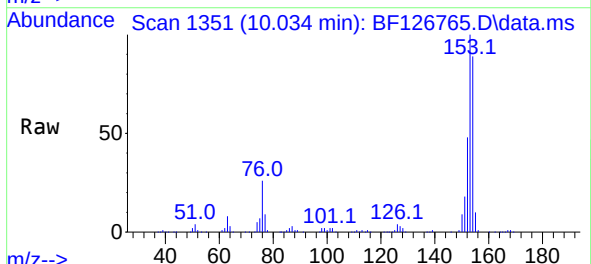
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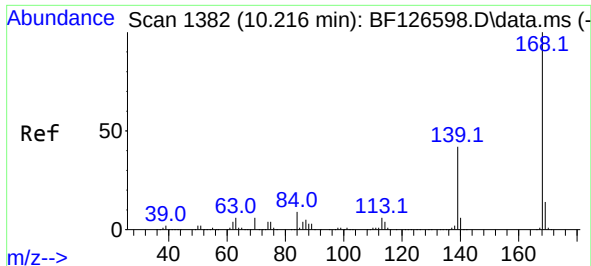
Reviewed By :Christian Giraldo 02/01/2022
Supervised By :Jagrut Upadhyay 02/01/2022



#52
Acenaphthene
Concen: 14.219 ng
RT: 10.034 min Scan# 1351
Delta R.T. 0.000 min
Lab File: BF126765.D
Acq: 31 Jan 2022 21:35

Tgt Ion:154 Resp: 261069
Ion Ratio Lower Upper
154 100
153 112.6 87.8 131.6
152 53.9 39.4 59.2





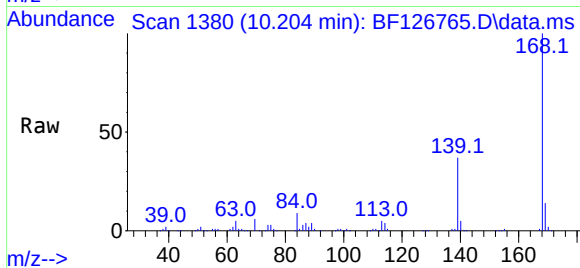
#55
Dibenzenofuran
Concen: 6.573 ng
RT: 10.204 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF126765.D
Acq: 31 Jan 2022 21:35

Instrument :

BNA_F

ClientSampleId :

SOIL-PILEDL

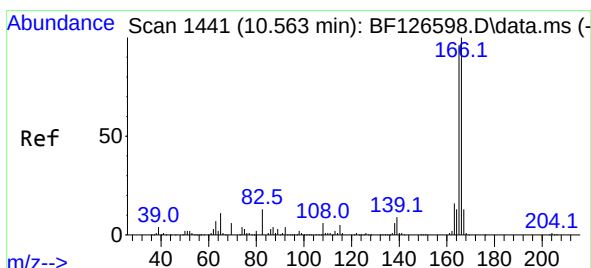
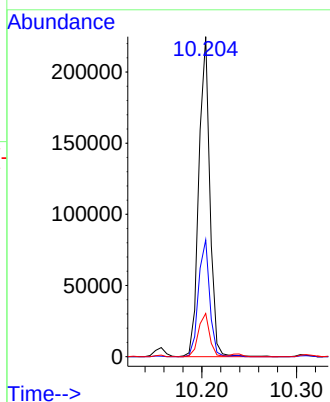
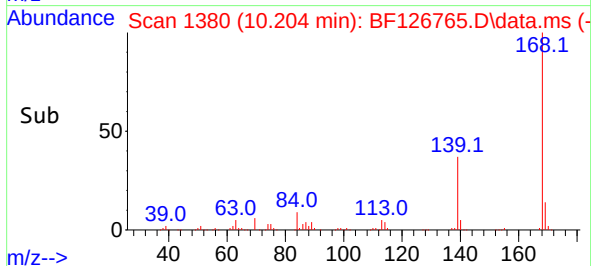


Tgt Ion:168 Resp: 18135
Ion Ratio Lower Upper
168 100
139 36.5 30.6 46.0
169 13.5 10.0 15.0

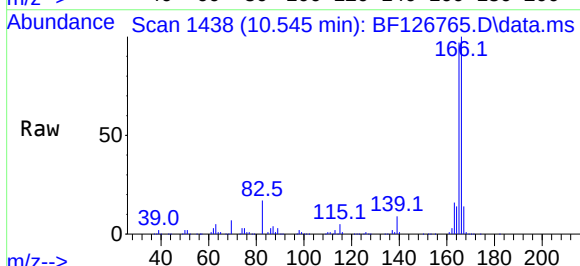
Manual Integrations

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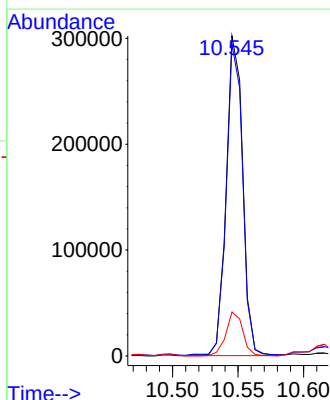
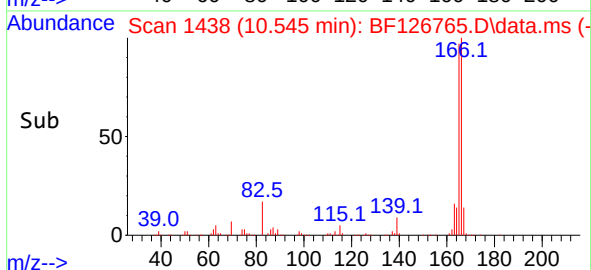
Reviewed By :Christian Giraldo 02/01/2022
Supervised By :Jagrut Upadhyay 02/01/2022

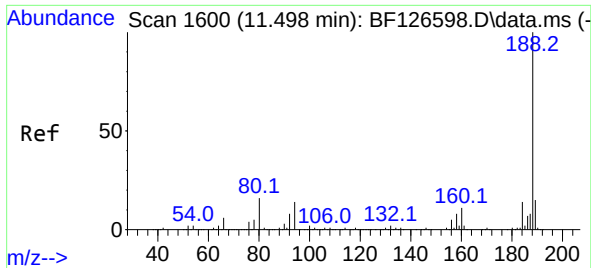


#58
Fluorene
Concen: 12.649 ng
RT: 10.545 min Scan# 1438
Delta R.T. -0.006 min
Lab File: BF126765.D
Acq: 31 Jan 2022 21:35



Tgt Ion:166 Resp: 263501
Ion Ratio Lower Upper
166 100
165 97.4 77.7 116.5
167 13.7 10.7 16.1





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.492 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF126765.D
Acq: 31 Jan 2022 21:35

Instrument :

BNA_F

ClientSampleId :

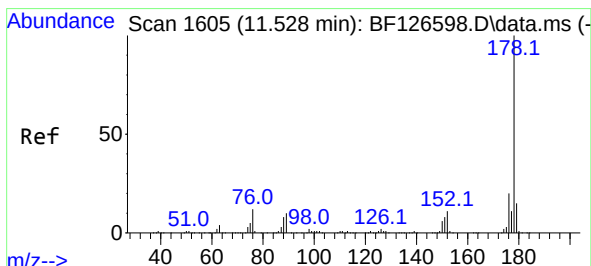
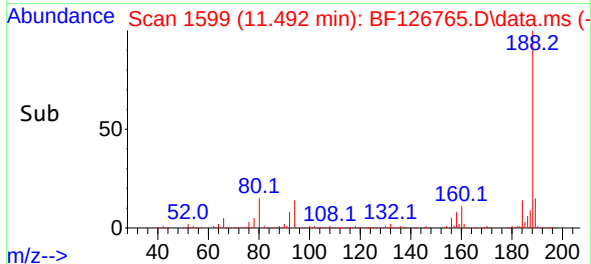
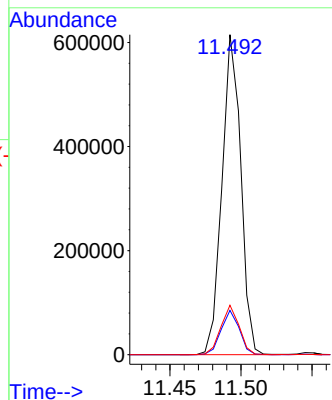
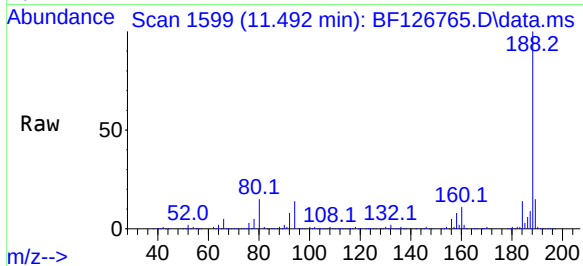
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Tgt Ion:188 Resp: 565035
Ion Ratio Lower Upper
188 100
94 13.8 10.1 15.1
80 15.5 11.8 17.6

Manual Integrations

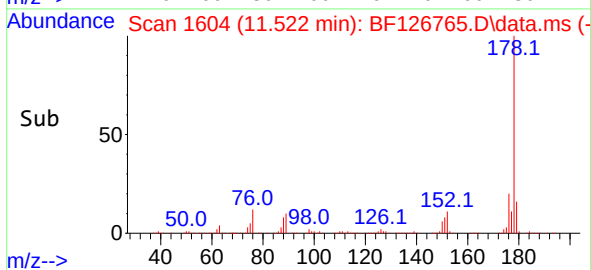
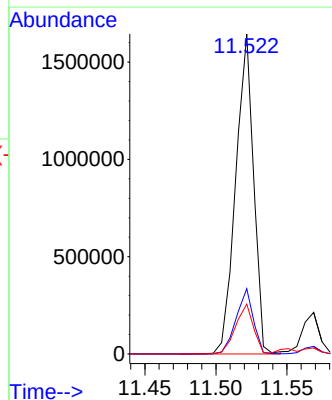
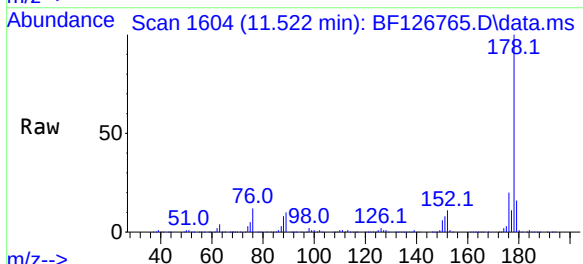
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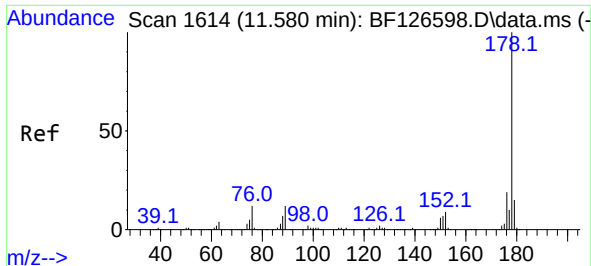
Reviewed By :Christian Giraldo 02/01/2022
Supervised By :Jagrut Upadhyay 02/01/2022



#71
Phenanthrene
Concen: 44.639 ng
RT: 11.522 min Scan# 1604
Delta R.T. 0.000 min
Lab File: BF126765.D
Acq: 31 Jan 2022 21:35

Tgt Ion:178 Resp: 1441013
Ion Ratio Lower Upper
178 100
176 20.4 15.7 23.5
179 15.6 12.3 18.5





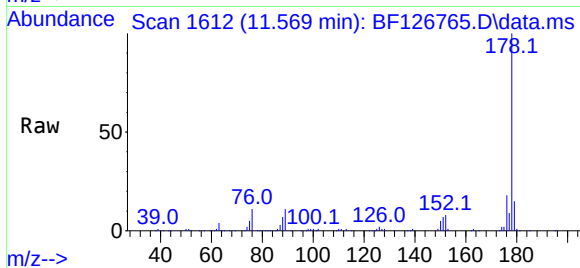
#72
 Anthracene
 Concen: 5.264 ng
 RT: 11.569 min Scan# 1612
 Delta R.T. 0.000 min
 Lab File: BF126765.D
 Acq: 31 Jan 2022 21:35

Instrument :

BNA_F

ClientSampleId :

SOIL-PILEDL

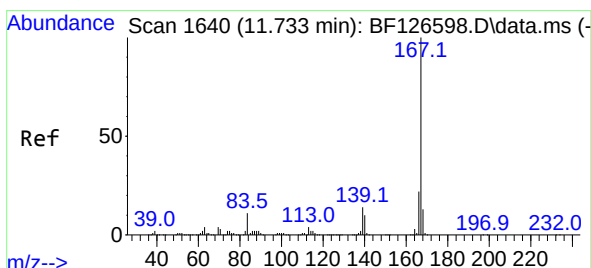
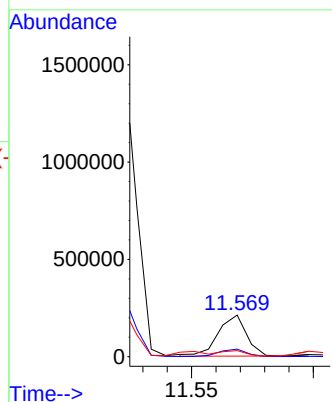
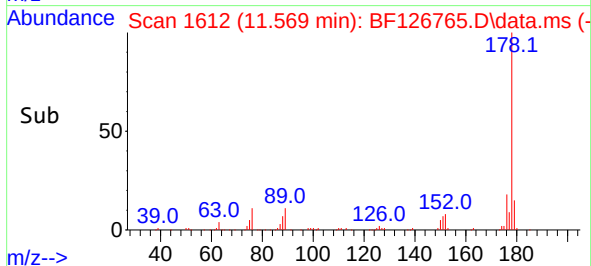


Tgt Ion:178 Resp: 17048
 Ion Ratio Lower Upper
 178 100
 176 18.1 15.0 22.6
 179 14.6 12.5 18.7

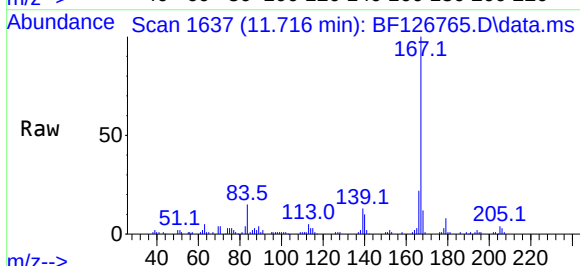
Manual Integrations

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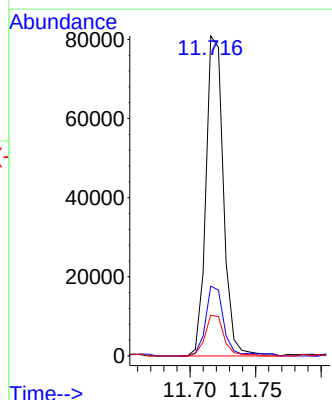
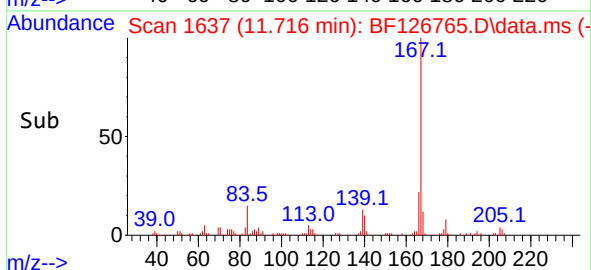
Reviewed By :Christian Giraldo 02/01/2022
 Supervised By :Jagrut Upadhyay 02/01/2022

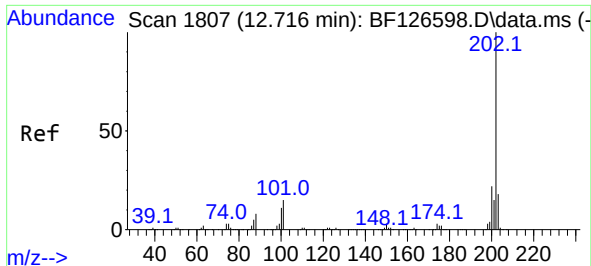


#73
 Carbazole
 Concen: 2.476 ng
 RT: 11.716 min Scan# 1637
 Delta R.T. -0.006 min
 Lab File: BF126765.D
 Acq: 31 Jan 2022 21:35



Tgt Ion:167 Resp: 75304
 Ion Ratio Lower Upper
 167 100
 166 21.8 16.9 25.3
 139 12.7 11.3 16.9





#75
Fluoranthene
Concen: 45.908 ng
RT: 12.716 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF126765.D
Acq: 31 Jan 2022 21:35

Instrument :

BNF

ClientSampleId :

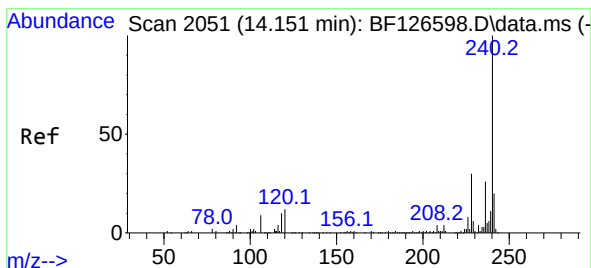
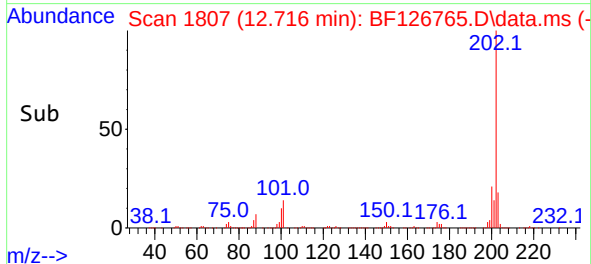
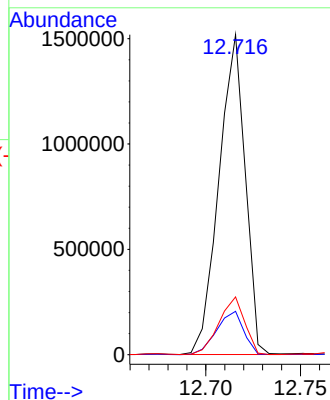
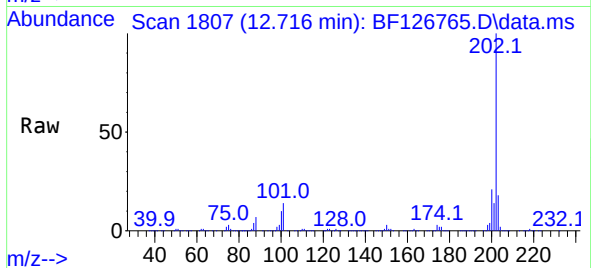
SOIL-PILEDL

Tgt Ion:202 Resp: 146378
Ion Ratio Lower Upper
202 100
101 13.6 0.0 35.7
203 18.0 0.0 37.1

Manual Integrations

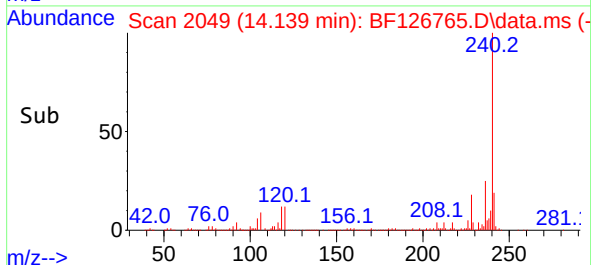
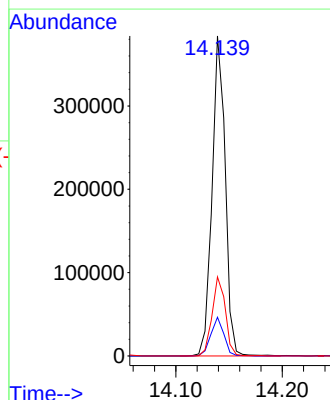
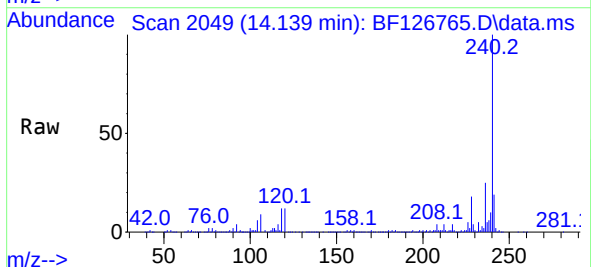
APPROVED

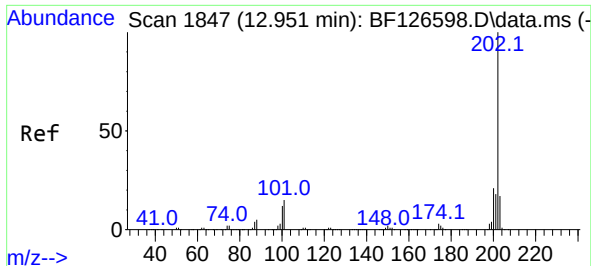
Reviewed By :Christian Giraldo 02/01/2022
Supervised By :Jagrut Upadhyay 02/01/2022



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.139 min Scan# 2049
Delta R.T. -0.006 min
Lab File: BF126765.D
Acq: 31 Jan 2022 21:35

Tgt Ion:240 Resp: 330949
Ion Ratio Lower Upper
240 100
120 12.1 14.4 21.6#
236 24.7 20.5 30.7





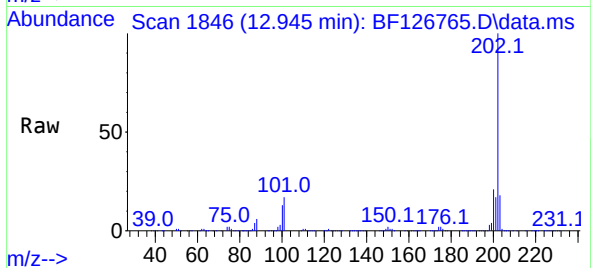
#78
Pyrene
Concen: 39.702 ng
RT: 12.945 min Scan# 1867
Delta R.T. 0.006 min
Lab File: BF126765.D
Acq: 31 Jan 2022 21:35

Instrument :

BNA_F

ClientSampleId :

SOIL-PILEDL

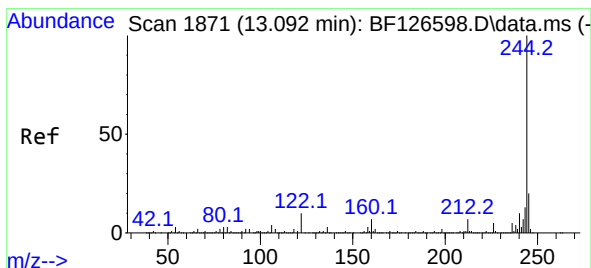
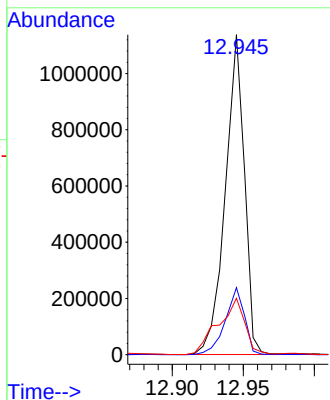
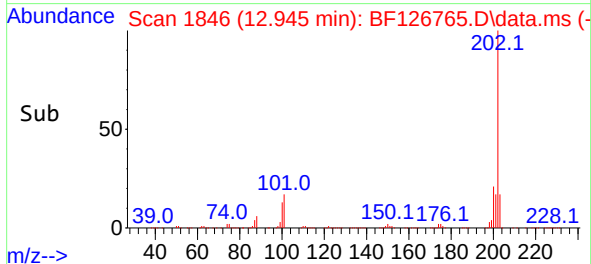


Tgt Ion:202 Resp: 1062550
Ion Ratio Lower Upper
202 100
200 21.0 16.6 24.8
203 17.7 13.8 20.8

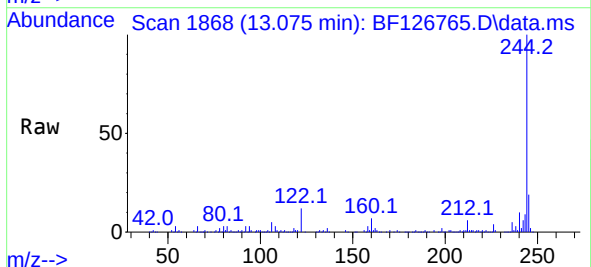
Manual Integrations

APPROVED

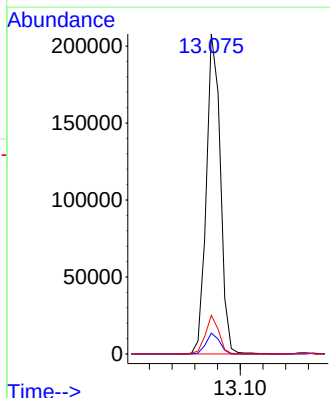
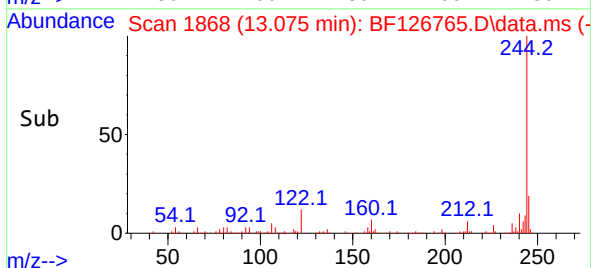
Reviewed By :Christian Giraldo 02/01/2022
Supervised By :Jagrut Upadhyay 02/01/2022

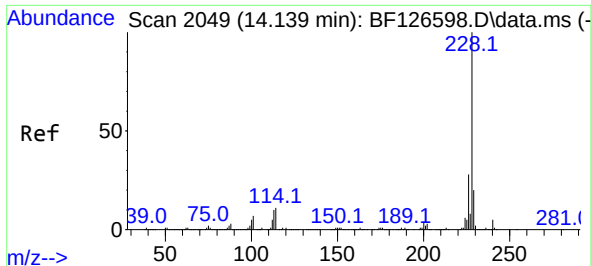


#79
Terphenyl-d14
Concen: 8.995 ng
RT: 13.075 min Scan# 1868
Delta R.T. -0.006 min
Lab File: BF126765.D
Acq: 31 Jan 2022 21:35



Tgt Ion:244 Resp: 177488
Ion Ratio Lower Upper
244 100
212 6.5 5.0 7.4
122 12.0 13.3 19.9#





#81

Benzo(a)anthracene

Concen: 10.808 ng

RT: 14.127 min Scan# 2047

Delta R.T. -0.006 min

Lab File: BF126765.D

Acq: 31 Jan 2022 21:35

Instrument :

BNA_F

ClientSampleId :

SOIL-PILEDL

Tgt Ion:228 Resp: 24312

Ion Ratio Lower Upper

228 100

226 26.6 21.4 32.0

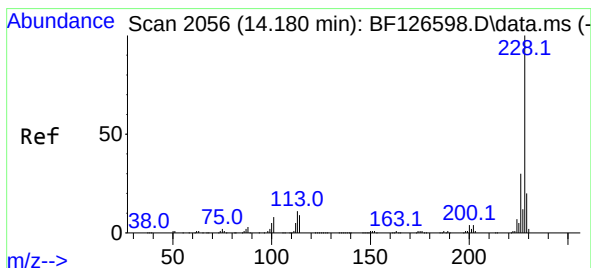
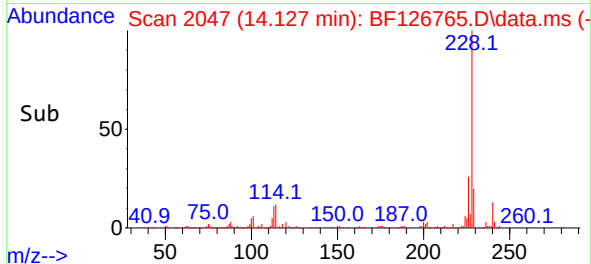
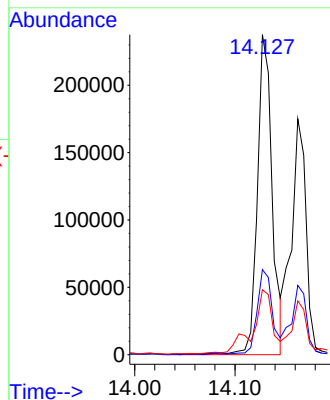
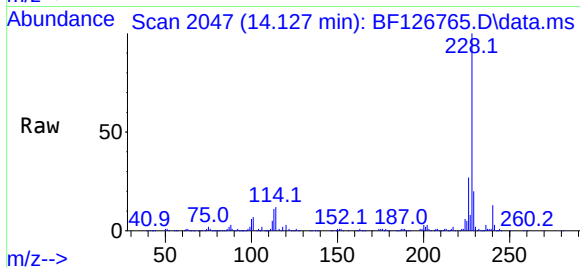
229 20.3 15.4 23.2

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 02/01/2022

Supervised By :Jagrut Upadhyay 02/01/2022



#83

Chrysene

Concen: 8.307 ng

RT: 14.163 min Scan# 2053

Delta R.T. -0.006 min

Lab File: BF126765.D

Acq: 31 Jan 2022 21:35

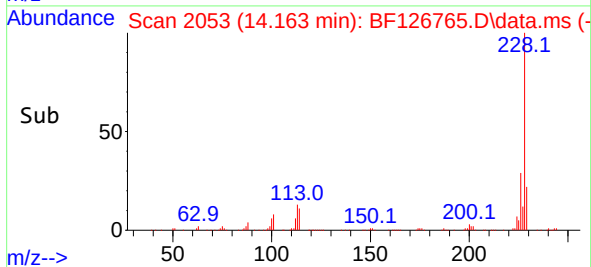
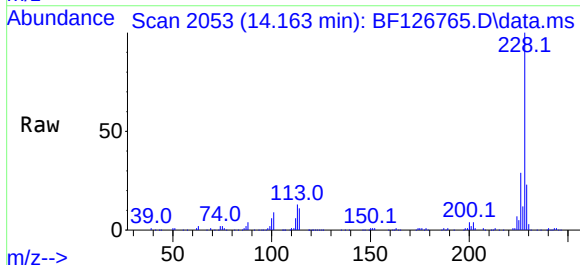
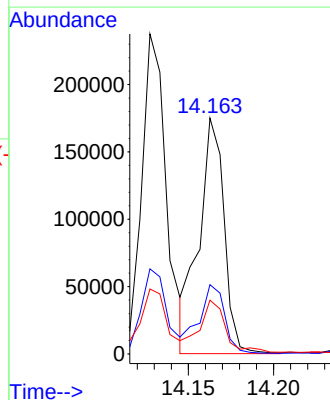
Tgt Ion:228 Resp: 179793

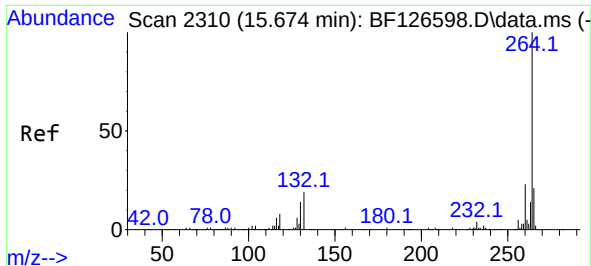
Ion Ratio Lower Upper

228 100

226 29.4 23.7 35.5

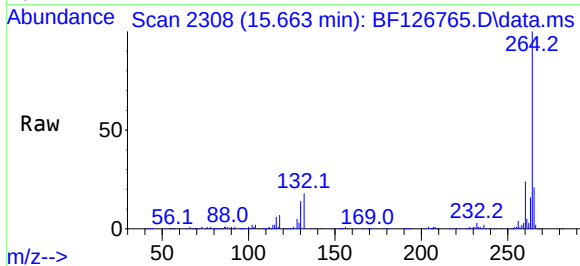
229 22.8 15.5 23.3





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.663 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF126765.D
Acq: 31 Jan 2022 21:35

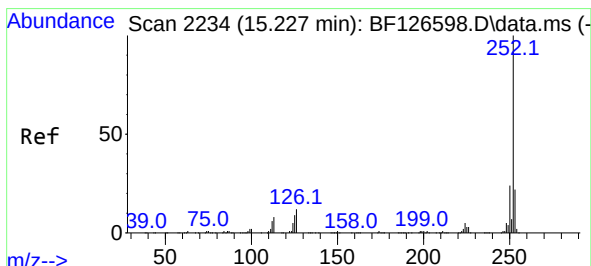
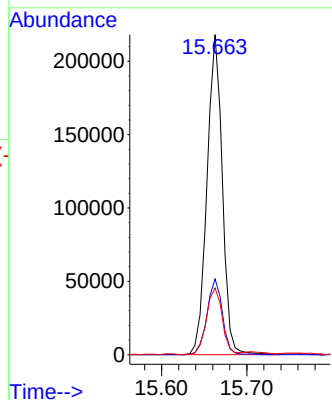
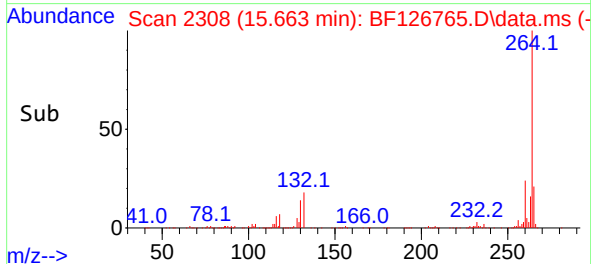
Instrument :
BNA_F
ClientSampleId :
SOIL-PILEDL



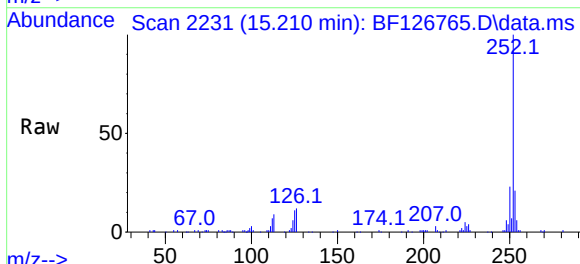
Tgt Ion:264 Resp: 27197
Ion Ratio Lower Upper
264 100
260 23.7 19.2 28.8
265 20.8 17.4 26.2

Manual Integrations
APPROVED

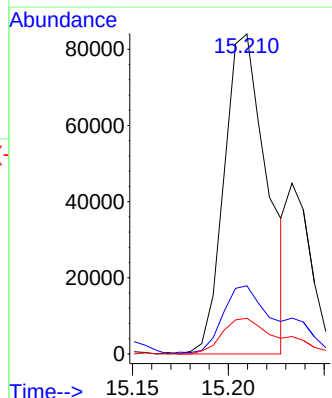
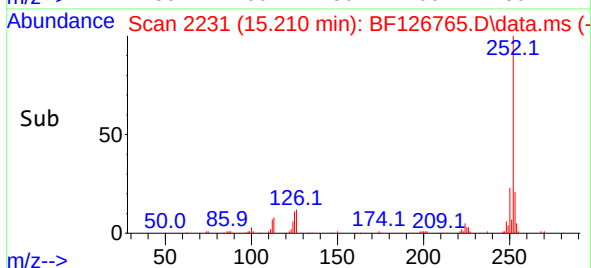
Reviewed By :Christian Giraldo 02/01/2022
Supervised By :Jagrut Upadhyay 02/01/2022

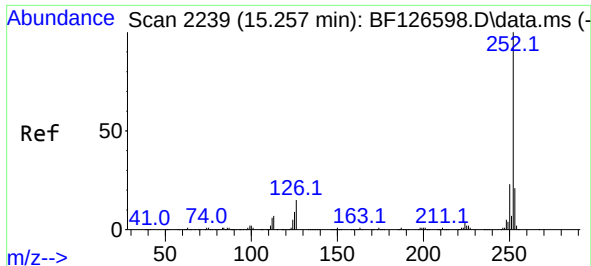


#88
Benzo(b)fluoranthene
Concen: 7.243 ng m
RT: 15.210 min Scan# 2231
Delta R.T. 0.000 min
Lab File: BF126765.D
Acq: 31 Jan 2022 21:35



Tgt Ion:252 Resp: 130629
Ion Ratio Lower Upper
252 100
253 21.3 17.8 26.8
125 11.1 12.4 18.6#





#89

Benzo(k)fluoranthene

Concen: 2.186 ng m

RT: 15.233 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF126765.D

Acq: 31 Jan 2022 21:35

Instrument :

BNA_F

ClientSampleId :

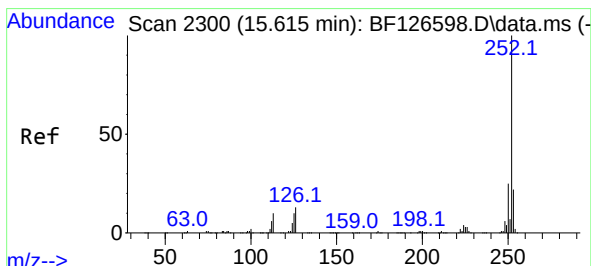
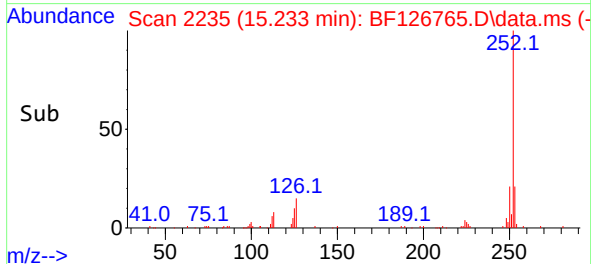
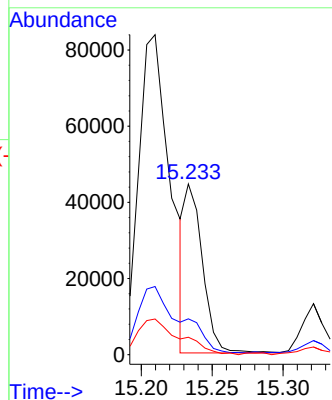
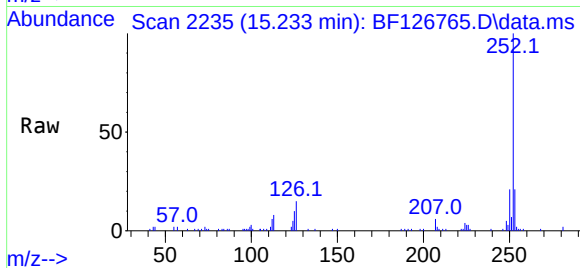
SOIL-PILEDL

Tgt Ion:252	Resp:	38709
Ion Ratio	Lower	Upper
252	100	
253	21.0	17.5 26.3
125	10.2	11.8 17.6

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 02/01/2022
Supervised By :Jagrut Upadhyay 02/01/2022



#90

Benzo(a)pyrene

Concen: 4.360 ng

RT: 15.592 min Scan# 2296

Delta R.T. -0.006 min

Lab File: BF126765.D

Acq: 31 Jan 2022 21:35

Tgt Ion:252	Resp:	63975
Ion Ratio	Lower	Upper
252	100	
253	22.9	17.1 25.7
125	13.8	13.0 19.6

