

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050423\
 Data File : BF133246.D
 Acq On : 04 May 2023 23:10
 Operator : CG\JU
 Sample : 02603-01
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 BUR-SOILCOMP

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 05/05/2023
 Supervised By : Jagrut Upadhyay 05/05/2023

Quant Time: May 05 05:33:47 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 04 12:22:53 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.722	152	172049	20.000	ng	0.00
21) Naphthalene-d8	8.010	136	675188	20.000	ng	0.00
39) Acenaphthene-d10	9.763	164	303521	20.000	ng	0.00
64) Phenanthrene-d10	11.269	188	250714	20.000	ng	# 0.02
76) Chrysene-d12	13.880	240	347163	20.000	ng	0.00
86) Perylene-d12	15.292	264	401204	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.328	112	770508	67.651	ng	0.00
7) Phenol-d6	6.363	99	977548	69.150	ng	-0.01
23) Nitrobenzene-d5	7.287	82	616799	49.309	ng	-0.01
42) 2,4,6-Tribromophenol	10.557	330	163386	53.526	ng	0.00
45) 2-Fluorobiphenyl	9.086	172	1100946	60.684	ng	0.00
79) Terphenyl-d14	12.845	244	732534	36.391	ng	0.01
Target Compounds						Qvalue
71) Phenanthrene	11.292	178	60316	4.476	ng	# 1
75) Fluoranthene	12.480	202	121622	8.993	ng	87
78) Pyrene	12.704	202	123788	4.160	ng	# 89
81) Benzo(a)anthracene	13.874	228	162865	6.822	ng	95
83) Chrysene	13.910	228	165512	6.935	ng	96
87) Indeno(1,2,3-cd)pyrene	16.657	276	162661	7.128	ng	94
88) Benzo(b)fluoranthene	14.892	252	364337m	14.274	ng	
89) Benzo(k)fluoranthene	14.916	252	94102m	3.719	ng	
90) Benzo(a)pyrene	15.233	252	223343	9.613	ng	99
91) Dibenzo(a,h)anthracene	16.668	278	44110	2.317	ng	94
92) Benzo(g,h,i)perylene	17.068	276	130894	6.966	ng	96

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

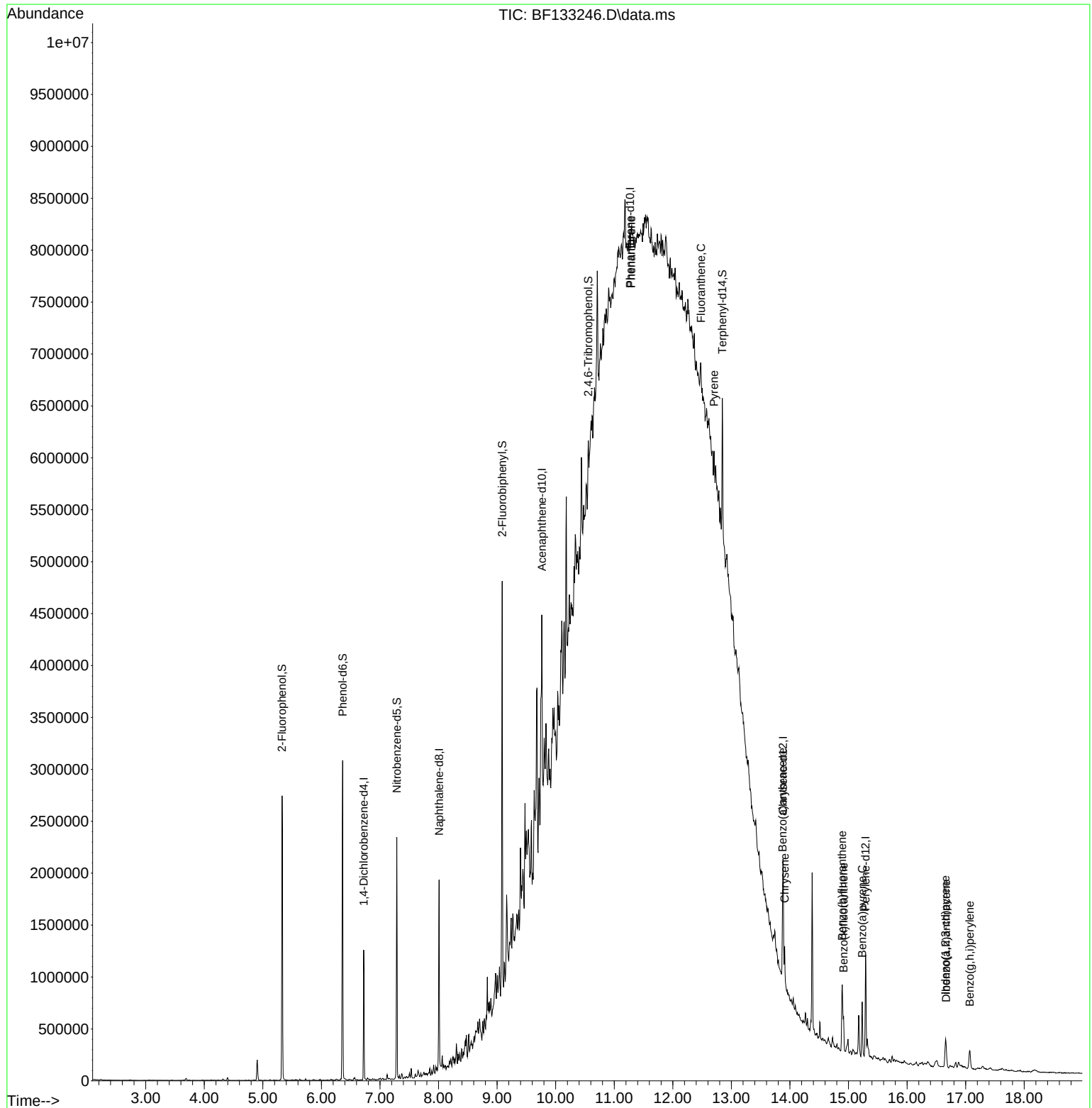
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050423\
Data File : BF133246.D
Acq On : 04 May 2023 23:10
Operator : CG\JU
Sample : 02603-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

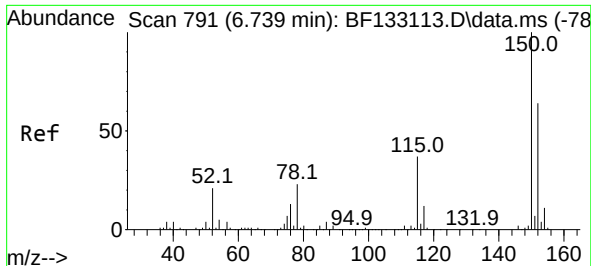
Instrument :
BNA_F
ClientSampleId :
BUR-SOILCOMP

Quant Time: May 05 05:33:47 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu May 04 12:22:53 2023
Response via : Initial Calibration

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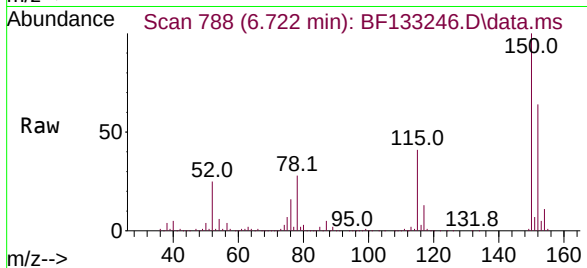
Reviewed By : Christian Giraldo 05/05/2023
Supervised By : Jagrut Upadhyay 05/05/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.722 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF133246.D
Acq: 04 May 2023 23:10

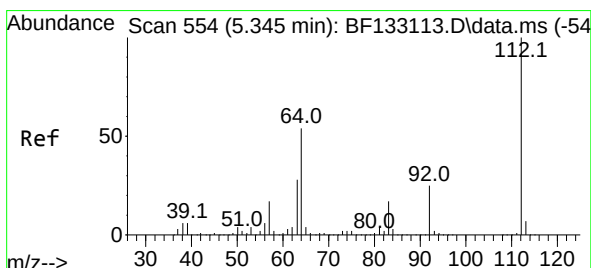
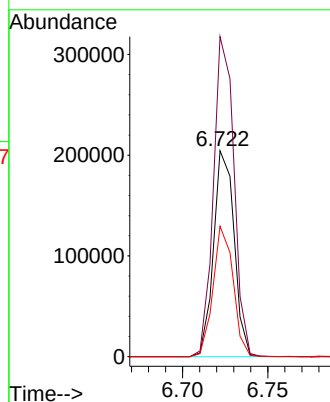
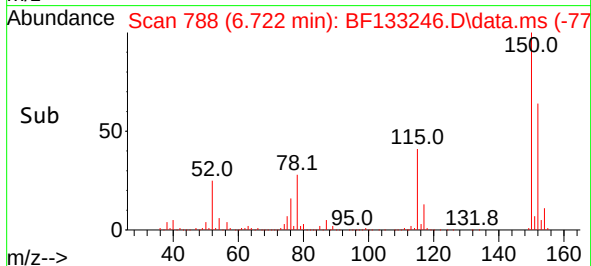
Instrument :
BNA_F
ClientSampleId :
BUR-SOILCOMP



Tgt Ion:152 Resp: 172049
Ion Ratio Lower Upper
152 100
150 155.3 124.8 187.2
115 63.3 49.9 74.9

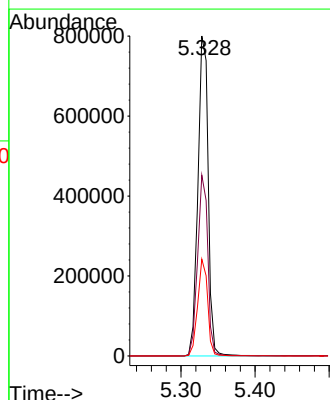
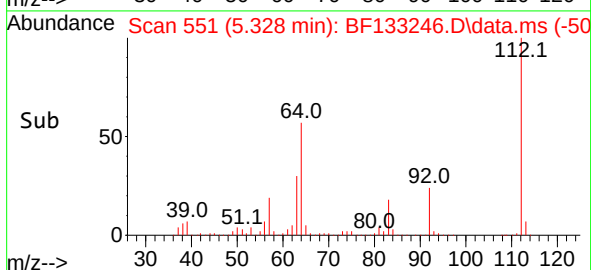
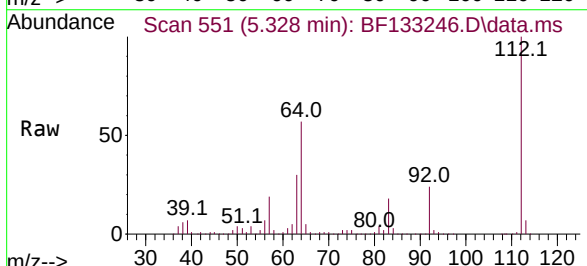
Manual Integrations
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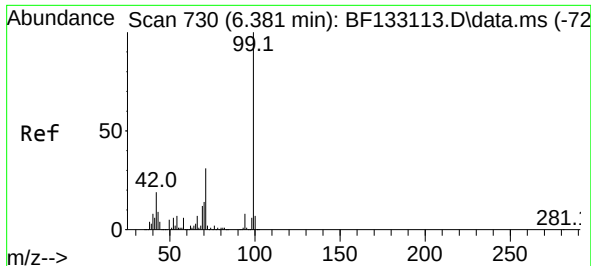
Reviewed By :Christian Giraldo 05/05/2023
Supervised By :Jagrut Upadhyay 05/05/2023



#5
2-Fluorophenol
Concen: 67.651 ng
RT: 5.328 min Scan# 551
Delta R.T. -0.006 min
Lab File: BF133246.D
Acq: 04 May 2023 23:10

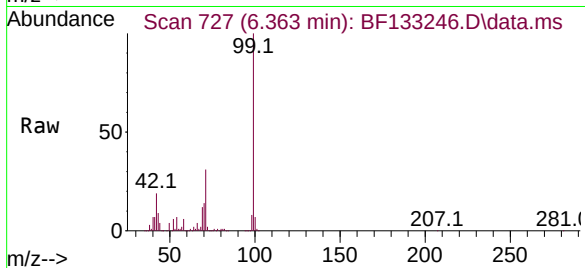
Tgt Ion:112 Resp: 770508
Ion Ratio Lower Upper
112 100
64 56.5 46.8 70.2
63 30.2 23.8 35.8





#7
Phenol-d6
Concen: 69.150 ng
RT: 6.363 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF133246.D
Acq: 04 May 2023 23:10

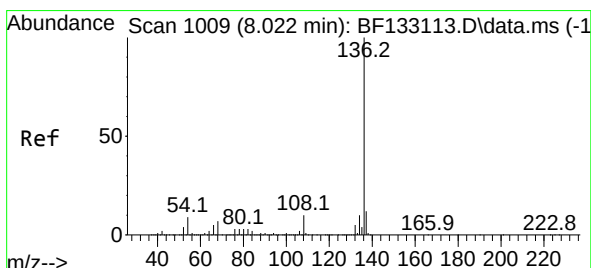
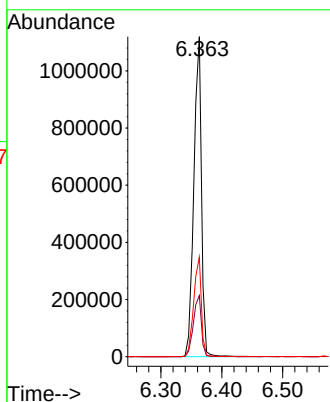
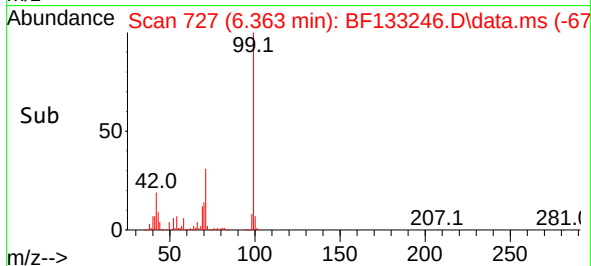
Instrument :
BNA_F
ClientSampleId :
BUR-SOILCOMP



Tgt Ion: 99 Resp: 977548
Ion Ratio Lower Upper
99 100
42 19.1 16.3 24.5
71 31.1 25.6 38.4

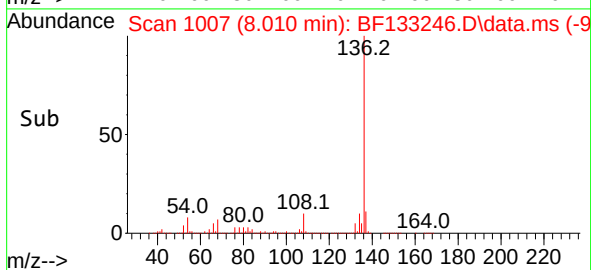
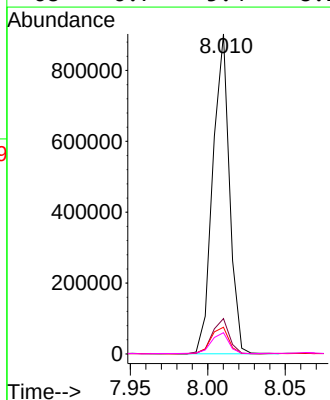
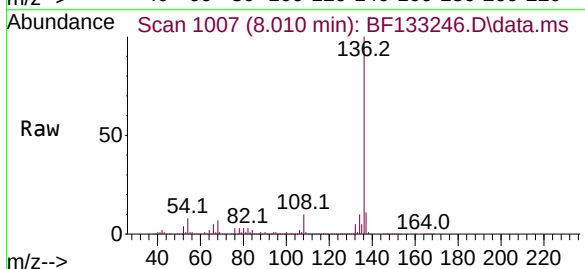
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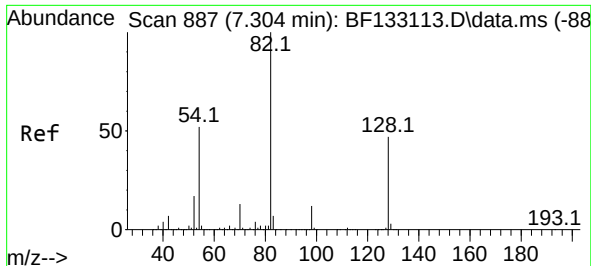
Reviewed By :Christian Giraldo 05/05/2023
Supervised By :Jagrut Upadhyay 05/05/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.010 min Scan# 1007
Delta R.T. -0.006 min
Lab File: BF133246.D
Acq: 04 May 2023 23:10

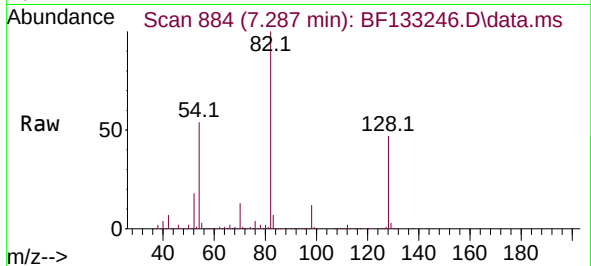
Tgt Ion:136 Resp: 675188
Ion Ratio Lower Upper
136 100
137 11.1 8.6 13.0
54 8.4 7.0 10.4
68 6.7 5.4 8.2





#23
Nitrobenzene-d5
Concen: 49.309 ng
RT: 7.287 min Scan# 884
Delta R.T. -0.012 min
Lab File: BF133246.D
Acq: 04 May 2023 23:10

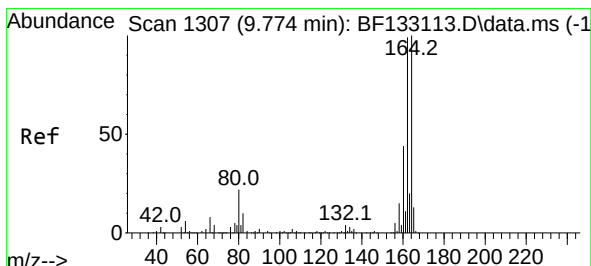
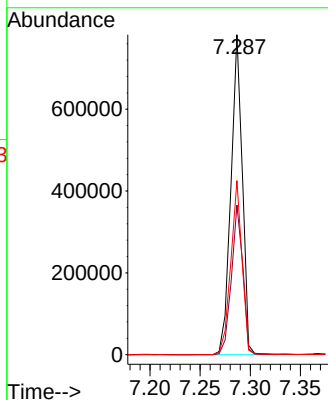
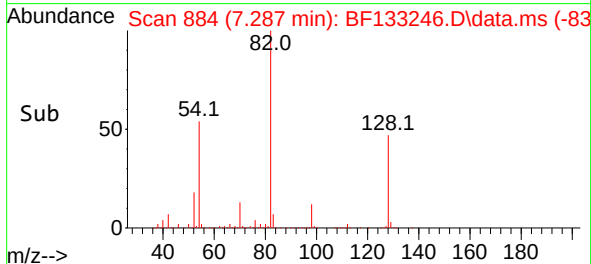
Instrument :
BNA_F
ClientSampleId :
BUR-SOILCOMP



Tgt Ion: 82 Resp: 616799
Ion Ratio Lower Upper
82 100
128 46.7 37.7 56.5
54 54.4 43.0 64.4

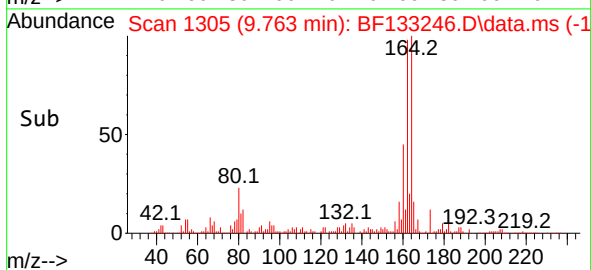
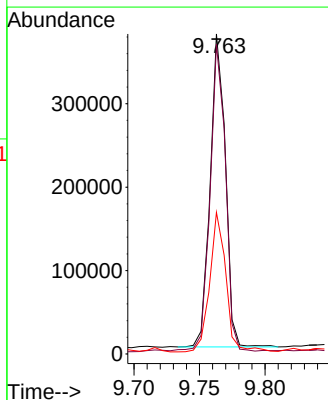
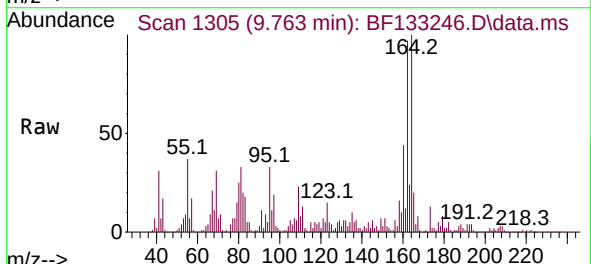
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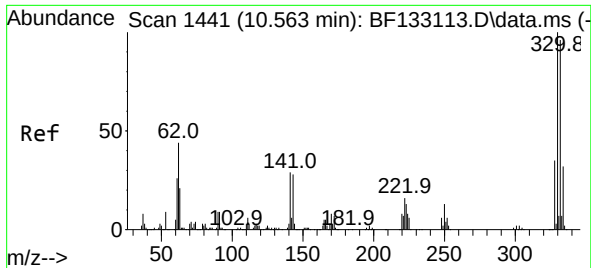
Reviewed By :Christian Giraldo 05/05/2023
Supervised By :Jagrut Upadhyay 05/05/2023



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.763 min Scan# 1305
Delta R.T. -0.006 min
Lab File: BF133246.D
Acq: 04 May 2023 23:10

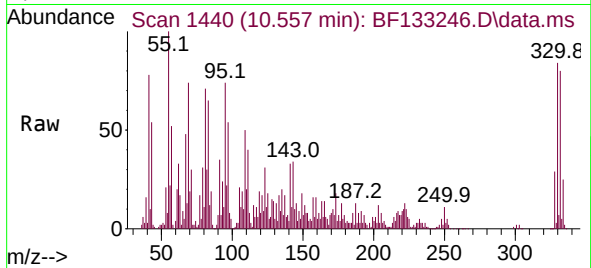
Tgt Ion:164 Resp: 303521
Ion Ratio Lower Upper
164 100
162 96.8 78.7 118.1
160 44.3 35.8 53.6





#42
2,4,6-Tribromophenol
Concen: 53.526 ng
RT: 10.557 min Scan# 1441
Delta R.T. 0.000 min
Lab File: BF133246.D
Acq: 04 May 2023 23:10

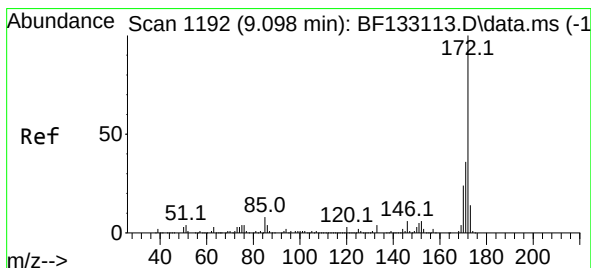
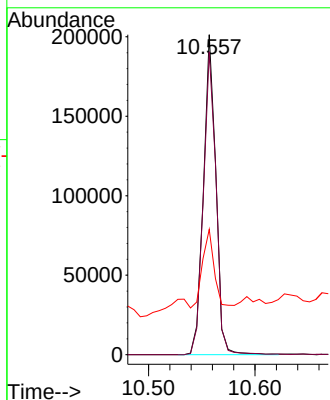
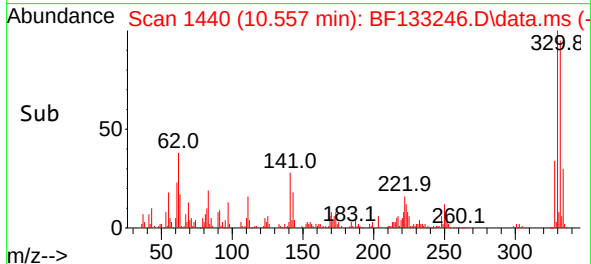
Instrument :
BNA_F
ClientSampleId :
BUR-SOILCOMP



Tgt Ion:330 Resp: 163380
Ion Ratio Lower Upper
330 100
332 96.6 77.1 115.7
141 25.8 25.8 38.8

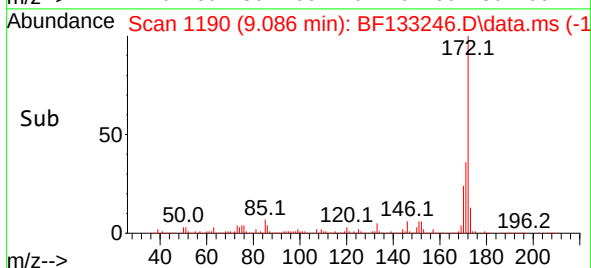
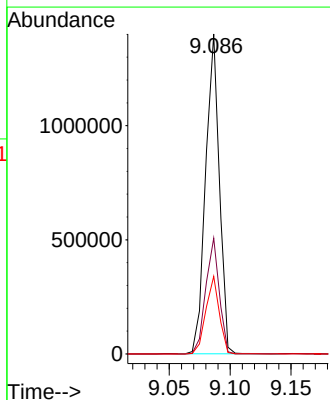
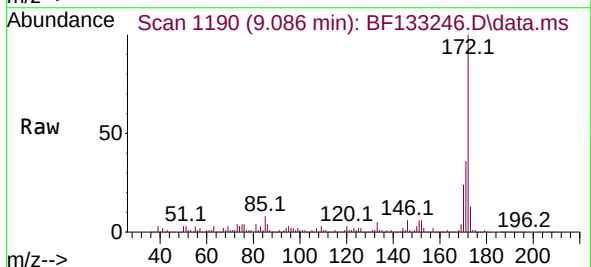
Manual Integrations
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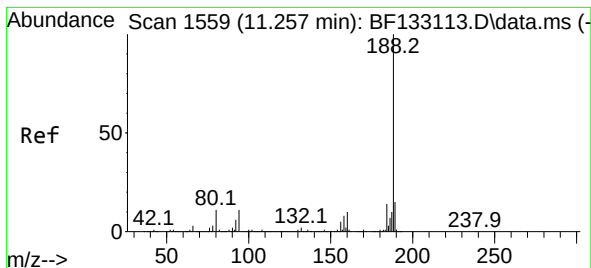
Reviewed By :Christian Giraldo 05/05/2023
Supervised By :Jagrut Upadhyay 05/05/2023



#45
2-Fluorobiphenyl
Concen: 60.684 ng
RT: 9.086 min Scan# 1190
Delta R.T. -0.006 min
Lab File: BF133246.D
Acq: 04 May 2023 23:10

Tgt Ion:172 Resp: 1100946
Ion Ratio Lower Upper
172 100
171 36.2 28.8 43.2
170 24.3 19.4 29.2





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.269 min Scan# 1561

Delta R.T. 0.024 min

Lab File: BF133246.D

Acq: 04 May 2023 23:10

Instrument :

BNA_F

ClientSampleId :

BUR-SOILCOMP

Tgt Ion:188 Resp: 250714

Ion Ratio Lower Upper

188 100

94 21.2 9.7 14.5

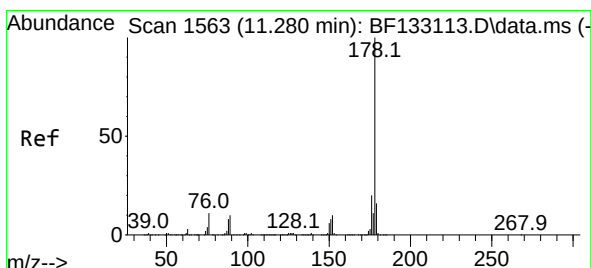
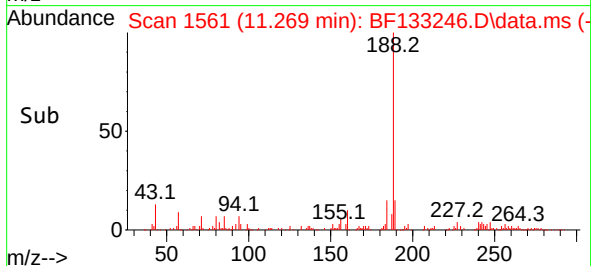
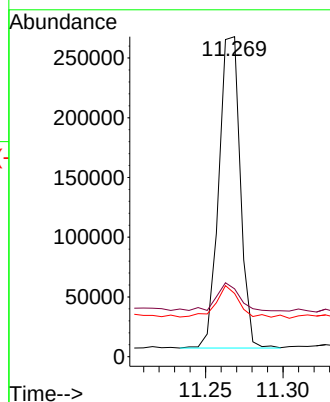
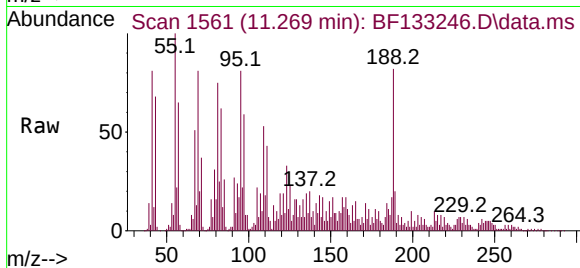
80 19.7 10.4 15.6

Manual Integrations

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Reviewed By :Christian Giraldo 05/05/2023

Supervised By :Jagrut Upadhyay 05/05/2023



#71

Phenanthrene

Concen: 4.476 ng

RT: 11.292 min Scan# 1565

Delta R.T. 0.018 min

Lab File: BF133246.D

Acq: 04 May 2023 23:10

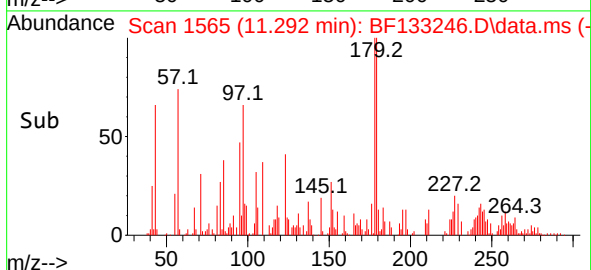
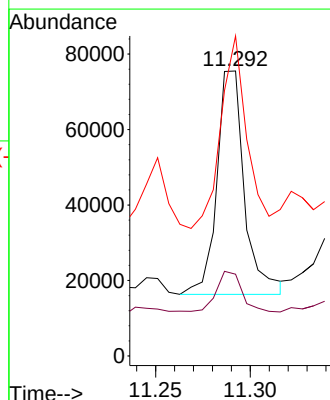
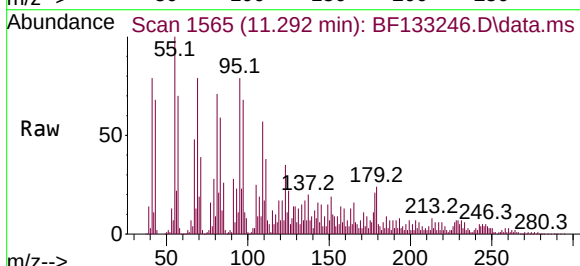
Tgt Ion:178 Resp: 60316

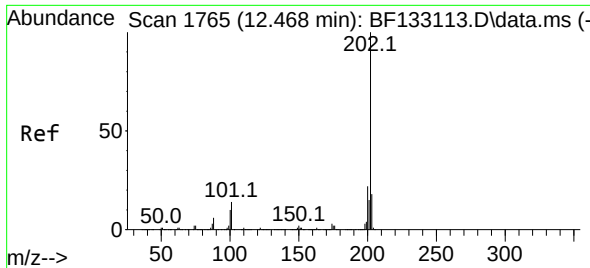
Ion Ratio Lower Upper

178 100

176 28.7 15.9 23.9#

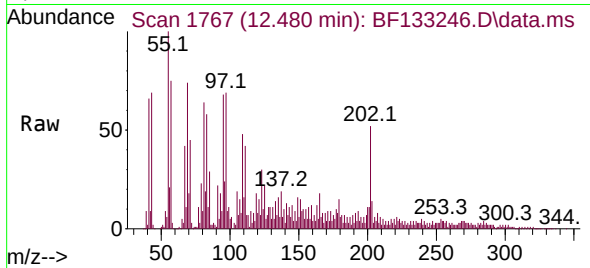
179 112.3 12.5 18.7#





#75
Fluoranthene
Concen: 8.993 ng
RT: 12.480 min Scan# 11
Delta R.T. 0.024 min
Lab File: BF133246.D
Acq: 04 May 2023 23:10

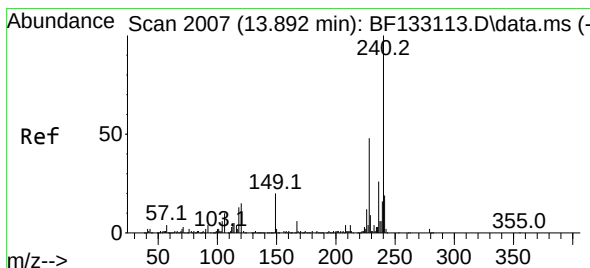
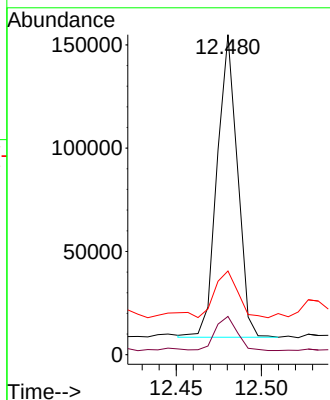
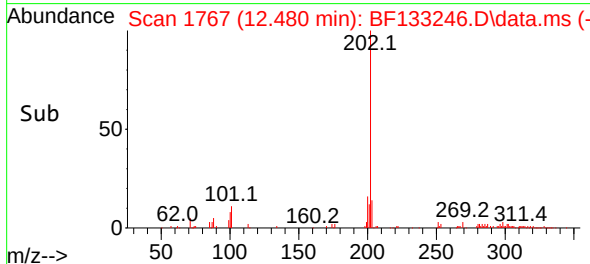
Instrument :
BNA_F
ClientSampleId :
BUR-SOILCOMP



Tgt Ion:202 Resp: 12162
Ion Ratio Lower Upper
202 100
101 12.0 0.0 35.3
203 26.1 0.0 38.1

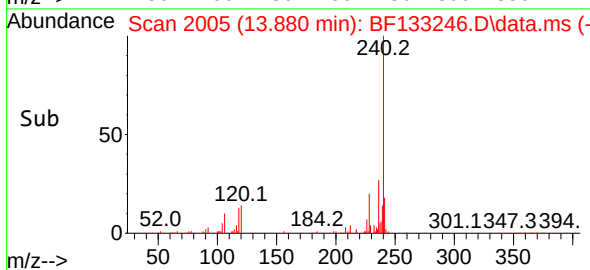
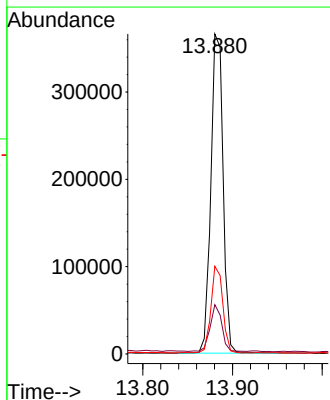
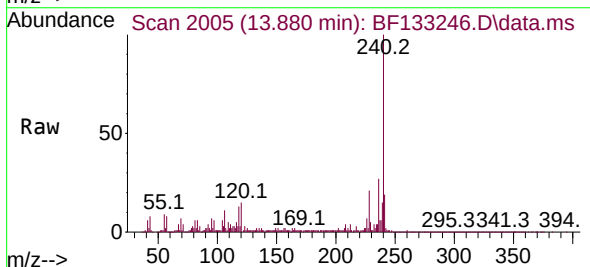
Manual Integrations
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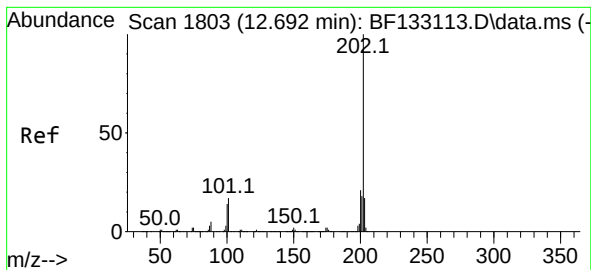
Reviewed By :Christian Giraldo 05/05/2023
Supervised By :Jagrut Upadhyay 05/05/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.880 min Scan# 2005
Delta R.T. -0.006 min
Lab File: BF133246.D
Acq: 04 May 2023 23:10

Tgt Ion:240 Resp: 347163
Ion Ratio Lower Upper
240 100
120 15.4 10.5 15.7
236 27.4 21.5 32.3





#78

Pyrene

Concen: 4.160 ng

RT: 12.704 min Scan# 1805

Delta R.T. 0.018 min

Lab File: BF133246.D

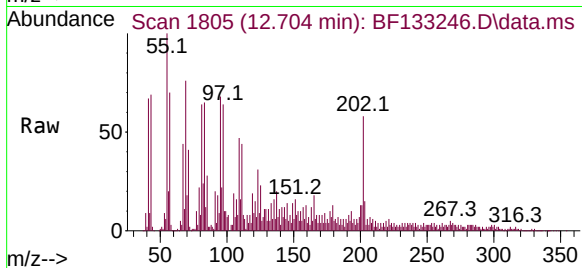
Acq: 04 May 2023 23:10

Instrument :

BNA_F

ClientSampleId :

BUR-SOILCOMP



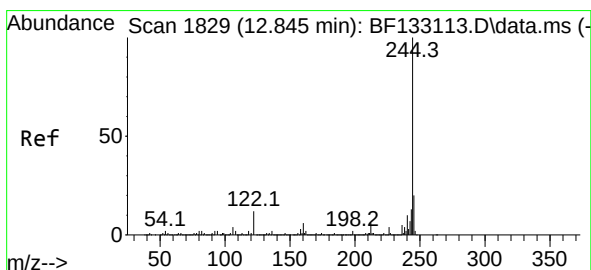
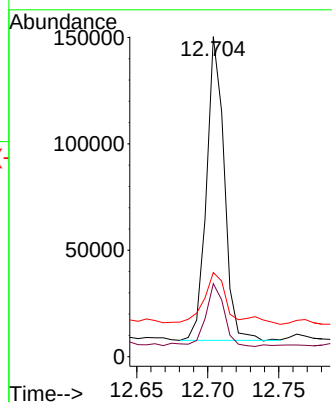
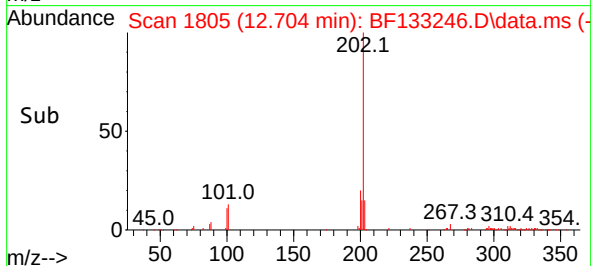
Tgt Ion:	202	Resp:	12378
Ion Ratio	Lower	Upper	
202	100		
200	22.8	17.1	25.7
203	26.3	14.1	21.1

Manual Integrations

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Supervised By :Jagrut Upadhyay 05/05/2023



#79

Terphenyl-d14

Concen: 36.391 ng

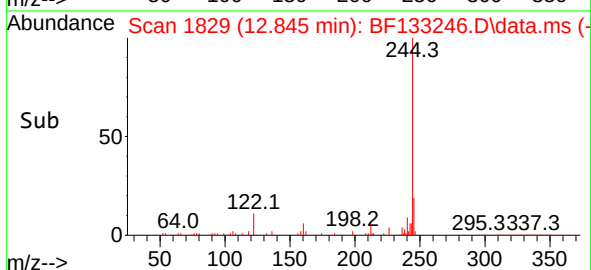
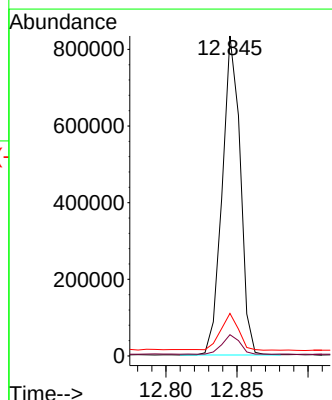
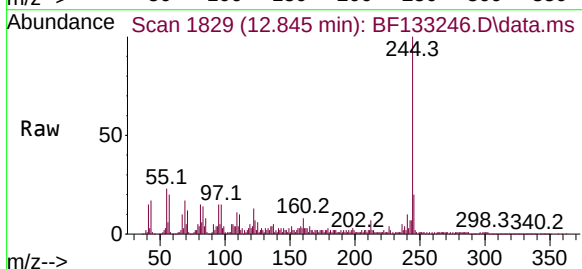
RT: 12.845 min Scan# 1829

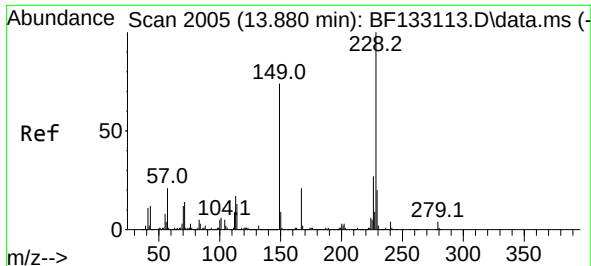
Delta R.T. 0.012 min

Lab File: BF133246.D

Acq: 04 May 2023 23:10

Tgt Ion:	244	Resp:	732534
Ion Ratio	Lower	Upper	
244	100		
212	6.6	5.1	7.7
122	13.3	8.6	13.0





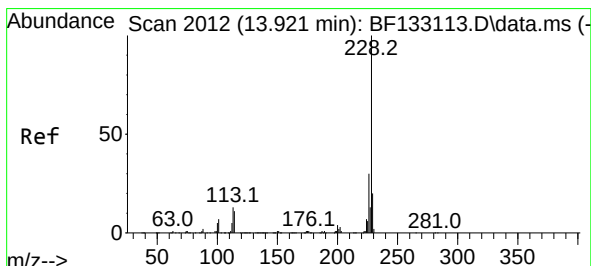
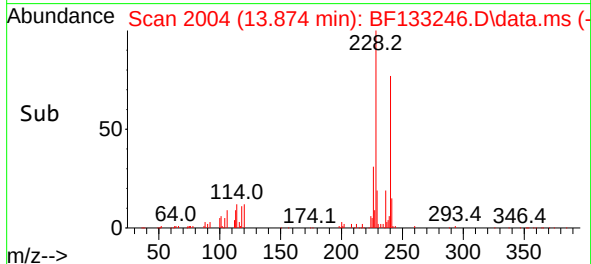
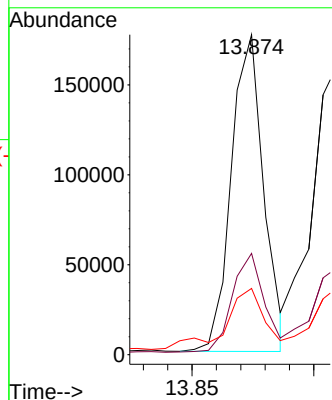
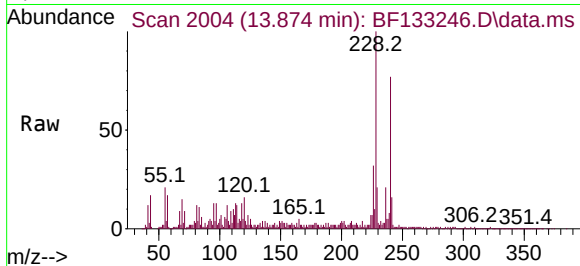
#81
Benzo(a)anthracene
Concen: 6.822 ng
RT: 13.874 min Scan# 2004
Delta R.T. 0.000 min
Lab File: BF133246.D
Acq: 04 May 2023 23:10

Instrument :
BNA_F
ClientSampleId :
BUR-SOILCOMP

Tgt Ion:228 Resp: 16286
Ion Ratio Lower Upper
228 100
226 31.7 22.2 33.4
229 20.7 16.0 24.0

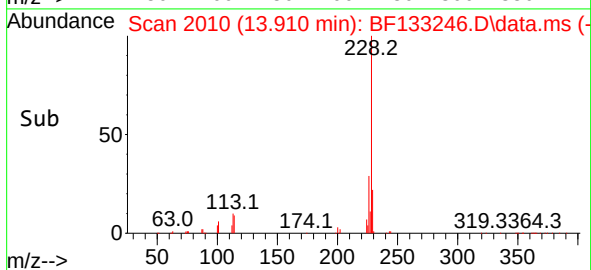
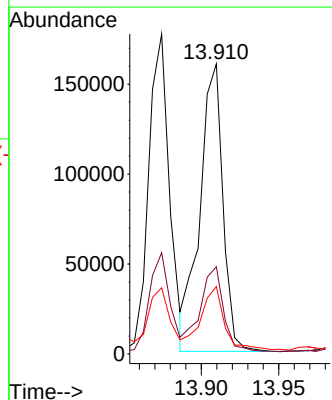
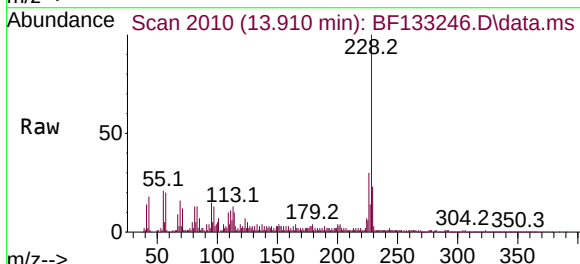
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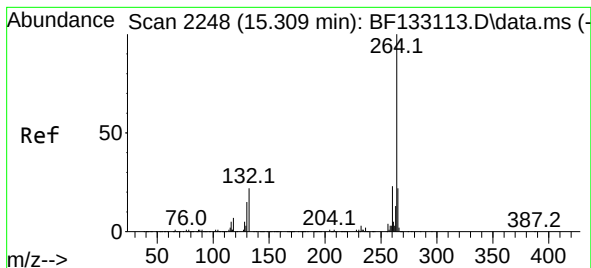
Reviewed By :Christian Giraldo 05/05/2023
Supervised By :Jagrut Upadhyay 05/05/2023



#83
Chrysene
Concen: 6.935 ng
RT: 13.910 min Scan# 2010
Delta R.T. 0.000 min
Lab File: BF133246.D
Acq: 04 May 2023 23:10

Tgt Ion:228 Resp: 165512
Ion Ratio Lower Upper
228 100
226 30.1 24.7 37.1
229 23.2 16.1 24.1





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.292 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF133246.D

Acq: 04 May 2023 23:10

Instrument :

BNA_F

ClientSampleId :

BUR-SOILCOMP

Tgt Ion:264 Resp: 401204

Ion Ratio Lower Upper

264 100

260 24.2 18.8 28.2

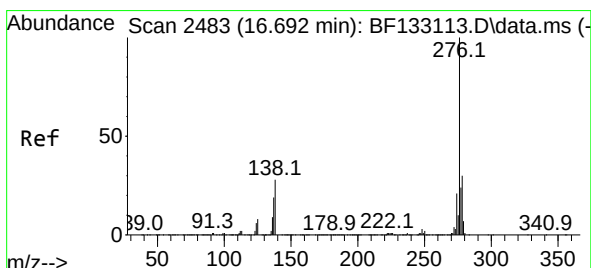
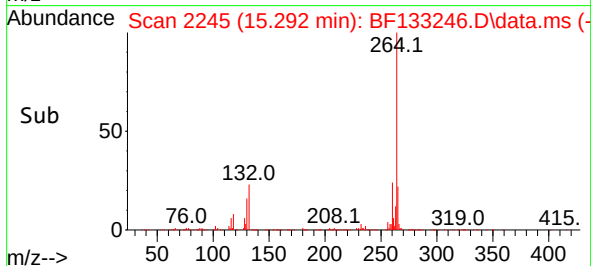
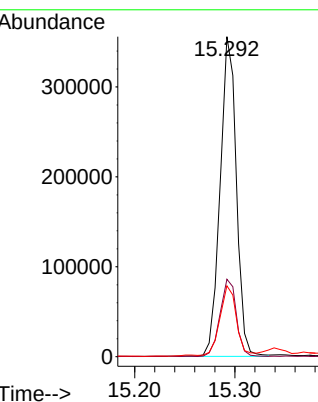
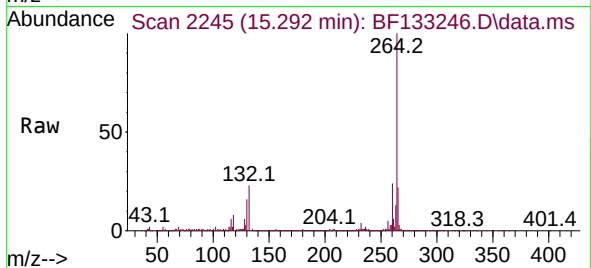
265 22.2 17.0 25.4

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Reviewed By :Christian Giraldo 05/05/2023

Supervised By :Jagrut Upadhyay 05/05/2023



#87

Indeno(1,2,3-cd)pyrene

Concen: 7.128 ng

RT: 16.657 min Scan# 2477

Delta R.T. -0.018 min

Lab File: BF133246.D

Acq: 04 May 2023 23:10

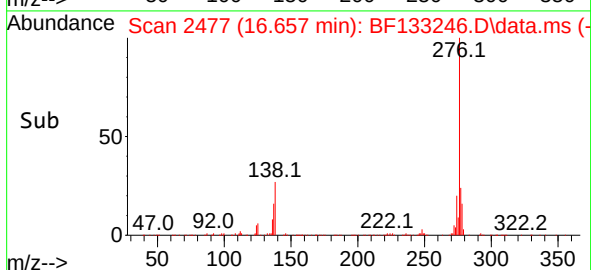
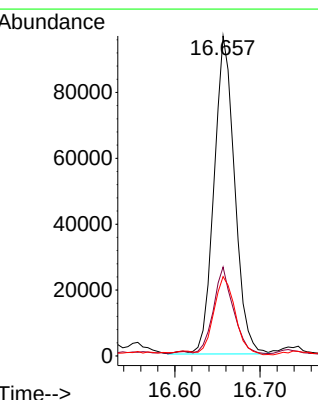
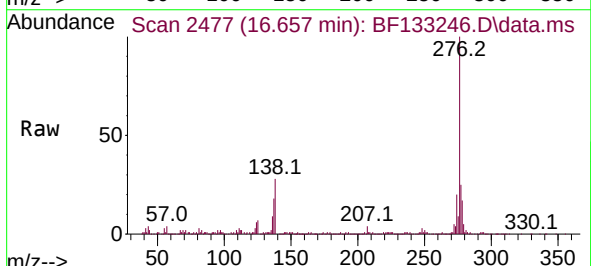
Tgt Ion:276 Resp: 162661

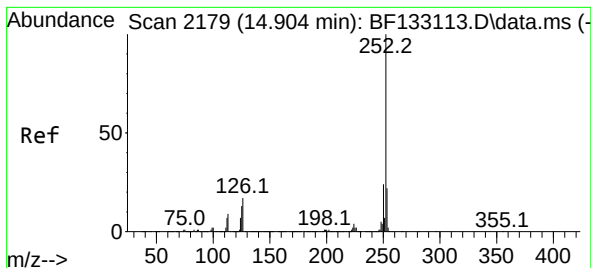
Ion Ratio Lower Upper

276 100

138 26.4 25.5 38.3

277 25.2 20.4 30.6





#88

Benzo(b)fluoranthene

Concen: 14.274 ng m

RT: 14.892 min Scan# 2177

Delta R.T. -0.006 min

Lab File: BF133246.D

Acq: 04 May 2023 23:10

Instrument :

BNA_F

ClientSampleId :

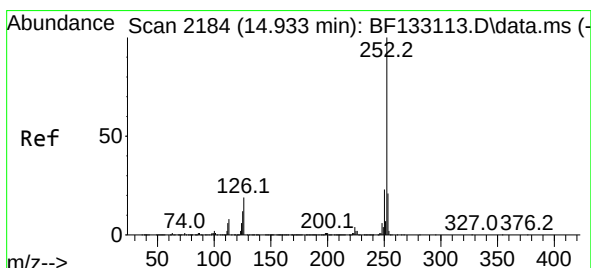
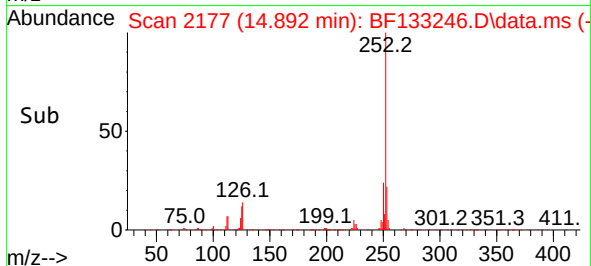
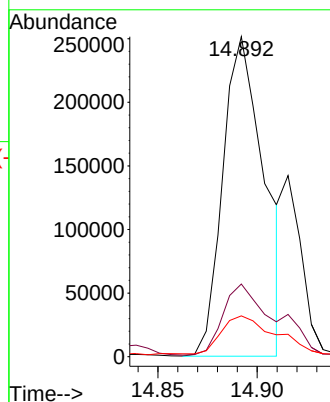
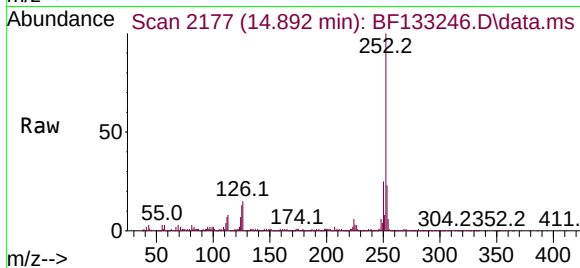
BUR-SOILCOMP

Tgt Ion:252 Resp: 36433
 Ion Ratio Lower Upper
 252 100
 253 22.7 17.6 26.4
 125 12.7 8.9 13.3

Manual Integrations

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Reviewed By :Christian Giraldo 05/05/2023
 Supervised By :Jagrut Upadhyay 05/05/2023



#89

Benzo(k)fluoranthene

Concen: 3.719 ng m

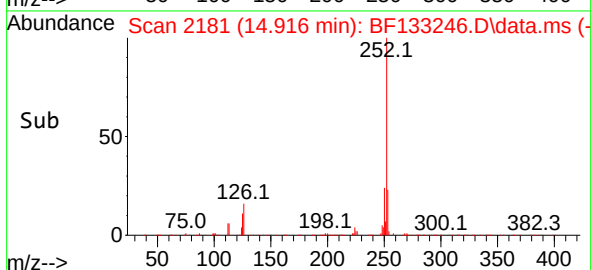
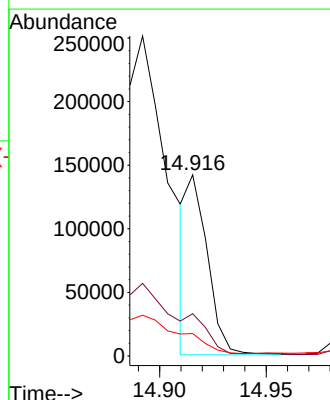
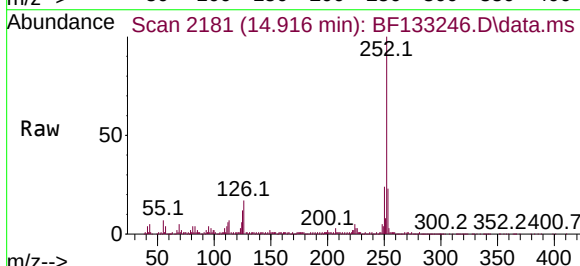
RT: 14.916 min Scan# 2181

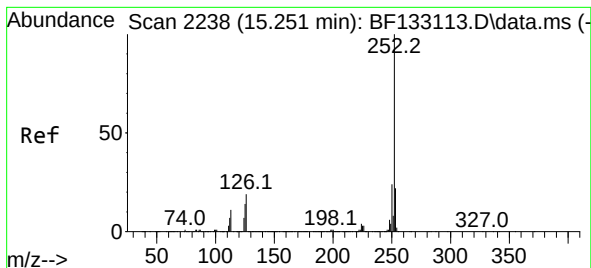
Delta R.T. -0.012 min

Lab File: BF133246.D

Acq: 04 May 2023 23:10

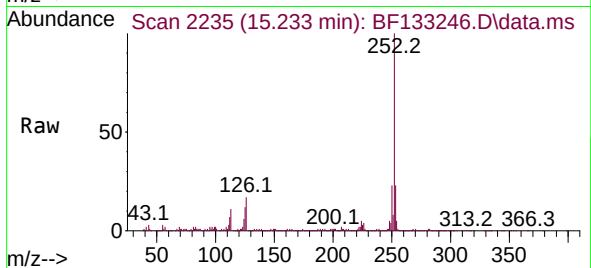
Tgt Ion:252 Resp: 94102
 Ion Ratio Lower Upper
 252 100
 253 23.4 17.7 26.5
 125 12.4 9.0 13.4





#90
Benzo(a)pyrene
Concen: 9.613 ng
RT: 15.233 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF133246.D
Acq: 04 May 2023 23:10

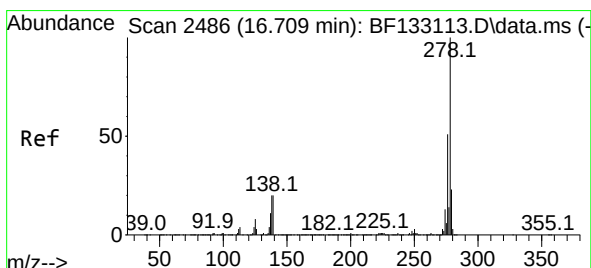
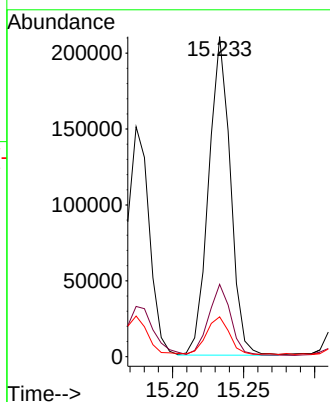
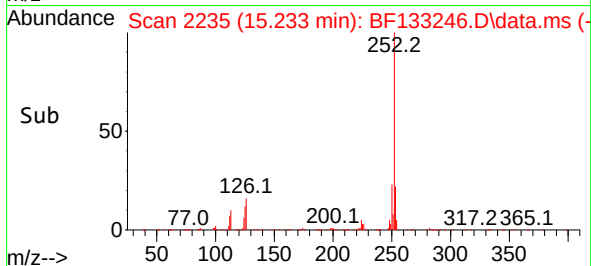
Instrument :
BNA_F
ClientSampleId :
BUR-SOILCOMP



Tgt Ion:252 Resp: 22334
Ion Ratio Lower Upper
252 100
253 22.6 17.7 26.5
125 12.5 10.5 15.7

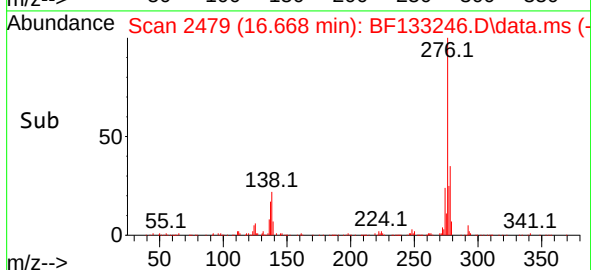
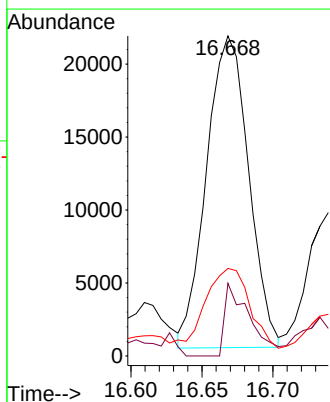
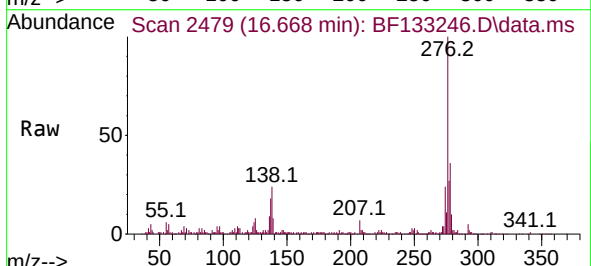
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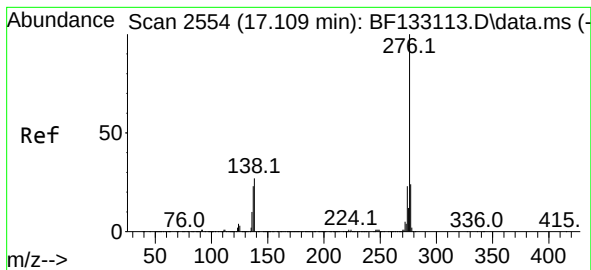
Reviewed By :Christian Giraldo 05/05/2023
Supervised By :Jagrut Upadhyay 05/05/2023



#91
Dibenzo(a,h)anthracene
Concen: 2.317 ng
RT: 16.668 min Scan# 2479
Delta R.T. -0.023 min
Lab File: BF133246.D
Acq: 04 May 2023 23:10

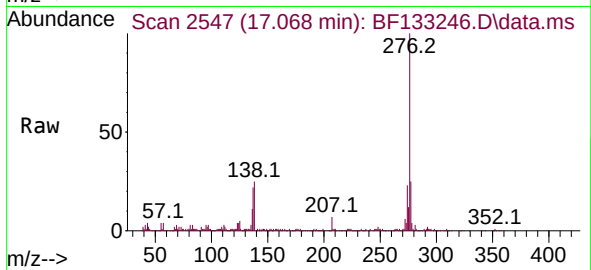
Tgt Ion:278 Resp: 44110
Ion Ratio Lower Upper
278 100
139 22.7 16.6 24.8
279 27.3 18.8 28.2





#92
 Benzo(g,h,i)perylene
 Concen: 6.966 ng
 RT: 17.068 min Scan# 21
 Delta R.T. -0.023 min
 Lab File: BF133246.D
 Acq: 04 May 2023 23:10

Instrument :
 BNA_F
 ClientSampleId :
 BUR-SOILCOMP



Tgt Ion:	276	Resp:	130894
Ion Ratio	Lower	Upper	
276	100		
277	24.5	19.4	29.0
138	25.2	22.7	34.1

Manual Integrations
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Reviewed By :Christian Giraldo 05/05/2023
 Supervised By :Jagrut Upadhyay 05/05/2023

