

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP031723\
 Data File : BP014133.D
 Acq On : 17 Mar 2023 22:12
 Operator : CG/JU
 Sample : 01963-01
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 NYE-SOIL-0316

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 03/20/2023
 Supervised By : Jagrut Upadhyay 03/20/2023

Quant Time: Mar 18 00:28:42 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP030623.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Mar 18 00:19:43 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.063	152	137129	20.000	ng	0.00
21) Naphthalene-d8	10.887	136	533533	20.000	ng	0.00
39) Acenaphthene-d10	14.704	164	337325	20.000	ng	0.00
64) Phenanthrene-d10	17.463	188	755974	20.000	ng	0.00
76) Chrysene-d12	21.545	240	714826	20.000	ng	0.00
86) Perylene-d12	24.086	264	834355	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.605	112	736124	87.057	ng	0.00
7) Phenol-d6	7.222	99	1004157	90.451	ng	0.00
23) Nitrobenzene-d5	9.234	82	667237	57.160	ng	0.00
42) 2,4,6-Tribromophenol	16.198	330	459241	83.968	ng	0.00
45) 2-Fluorobiphenyl	13.328	172	1305992	50.160	ng	0.00
79) Terphenyl-d14	19.998	244	1966630	45.366	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.504	178	591019	13.994	ng	100
72) Anthracene	17.598	178	119981	2.780	ng	98
75) Fluoranthene	19.463	202	1053309	20.866	ng	98
78) Pyrene	19.816	202	900291	16.409	ng	99
81) Benzo(a)anthracene	21.527	228	505297	9.634	ng	99
83) Chrysene	21.586	228	511323	10.294	ng	97
84) Bis(2-ethylhexyl)phtha...	21.427	149	94429	3.095	ng	# 94
87) Indeno(1,2,3-cd)pyrene	26.745	276	349033	5.414	ng	98
88) Benzo(b)fluoranthene	23.304	252	698939	12.793	ng	# 94
89) Benzo(k)fluoranthene	23.351	252	232620m	4.294	ng	
90) Benzo(a)pyrene	23.968	252	475876	9.132	ng	# 94
92) Benzo(g,h,i)perylene	27.580	276	337704	6.358	ng	99

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

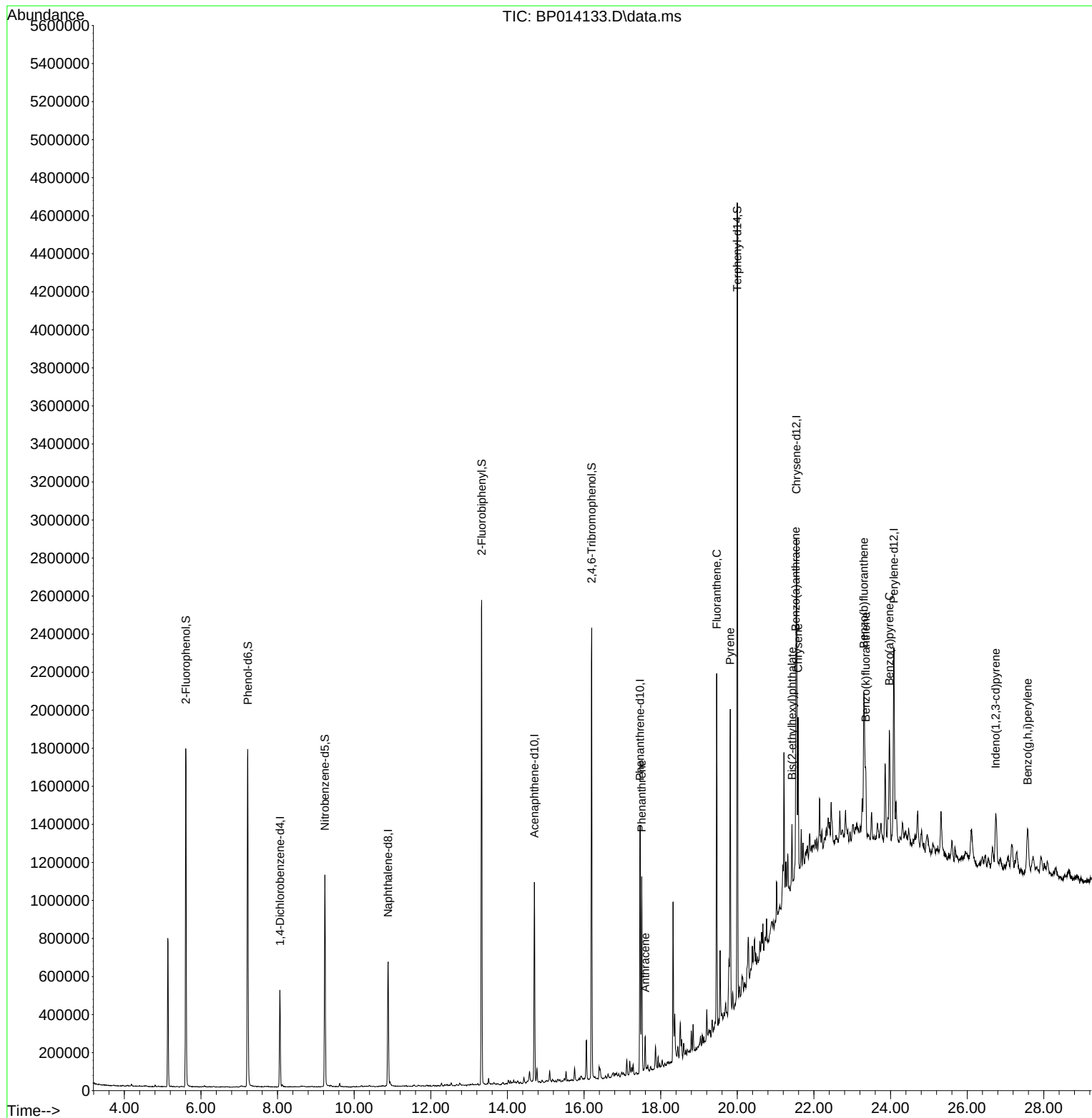
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Data File : BP014133.D
Acq On : 17 Mar 2023 22:12
Operator : CG/JU
Sample : 01963-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

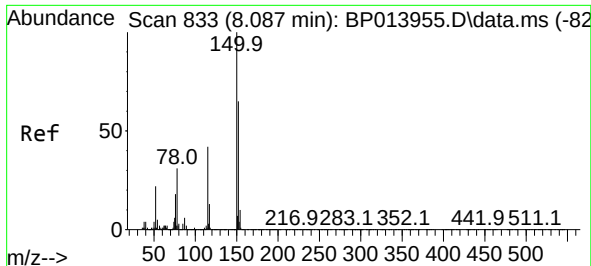
Instrument :
BNA_P
ClientSampleId :
NYE-SOIL-0316

Quant Time: Mar 18 00:28:42 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP030623.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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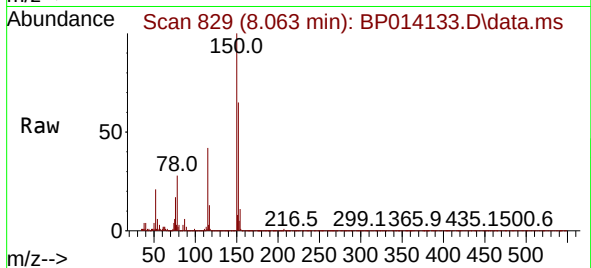
Reviewed By : Christian Giraldo 03/20/2023
Supervised By : Jagrut Upadhyay 03/20/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.063 min Scan# 81
Delta R.T. 0.000 min
Lab File: BP014133.D
Acq: 17 Mar 2023 22:12

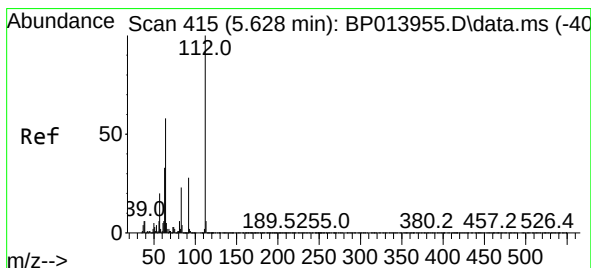
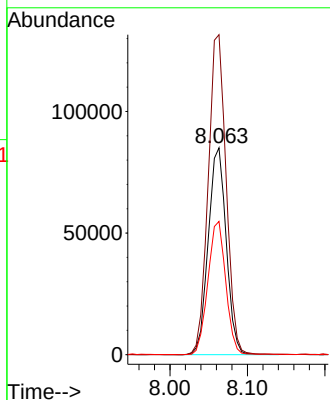
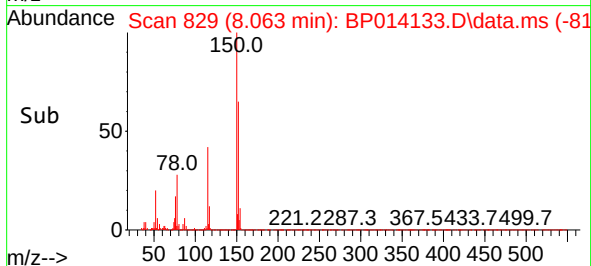
Instrument :
BNA_P
ClientSampleId :
NYE-SOIL-0316



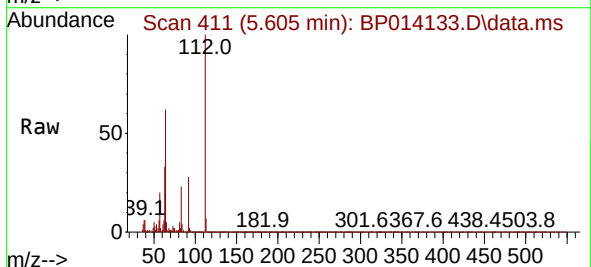
Tgt Ion:152 Resp: 137129
Ion Ratio Lower Upper
152 100
150 154.6 122.3 183.5
115 64.4 51.6 77.4

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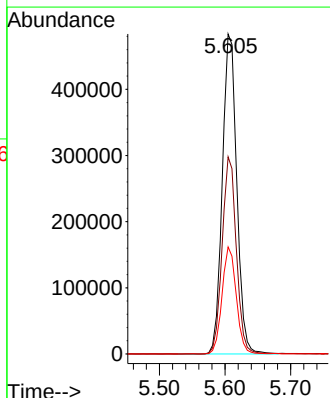
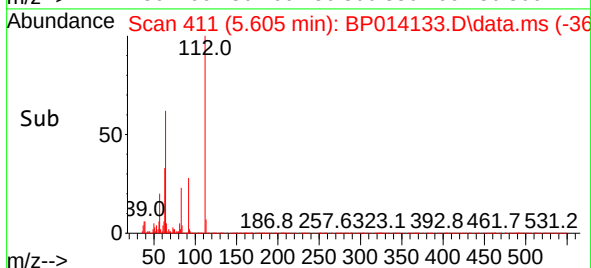
Reviewed By :Christian Giraldo 03/20/2023
Supervised By :Jagrut Upadhyay 03/20/2023

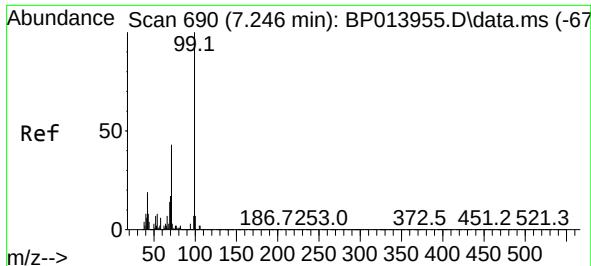


#5
2-Fluorophenol
Concen: 87.057 ng
RT: 5.605 min Scan# 411
Delta R.T. -0.000 min
Lab File: BP014133.D
Acq: 17 Mar 2023 22:12



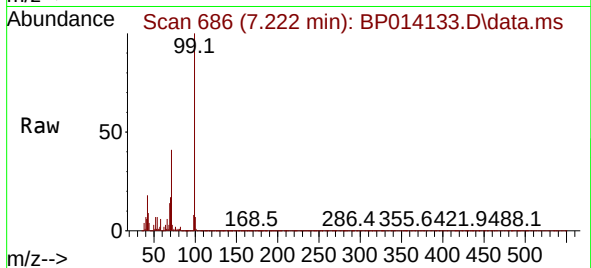
Tgt Ion:112 Resp: 736124
Ion Ratio Lower Upper
112 100
64 61.6 46.7 70.1
63 33.5 26.6 40.0





#7
Phenol-d6
Concen: 90.451 ng
RT: 7.222 min Scan# 61
Delta R.T. -0.000 min
Lab File: BP014133.D
Acq: 17 Mar 2023 22:12

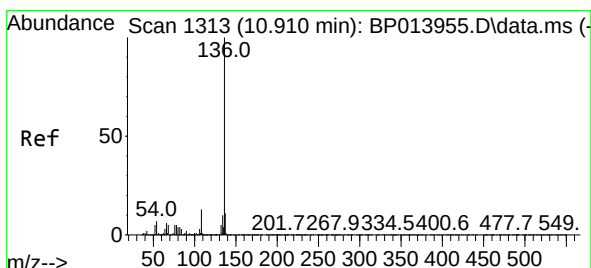
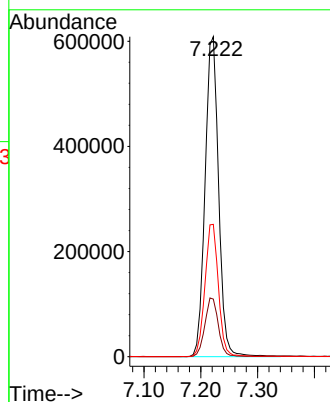
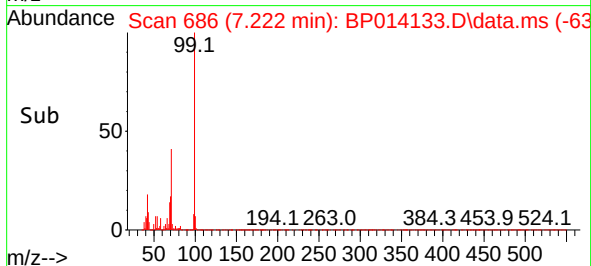
Instrument :
BNA_P
ClientSampleId :
NYE-SOIL-0316



Tgt Ion: 99 Resp: 100415
Ion Ratio Lower Upper
99 100
42 18.0 15.0 22.6
71 41.4 34.3 51.5

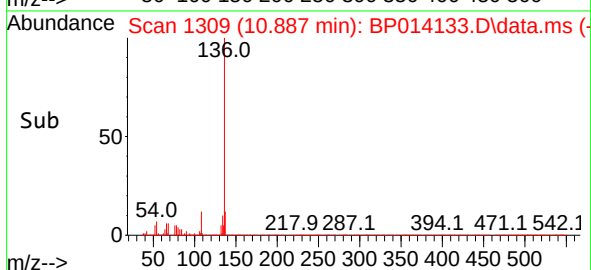
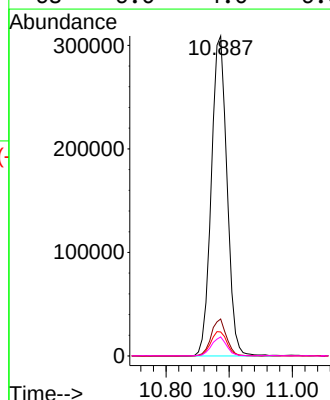
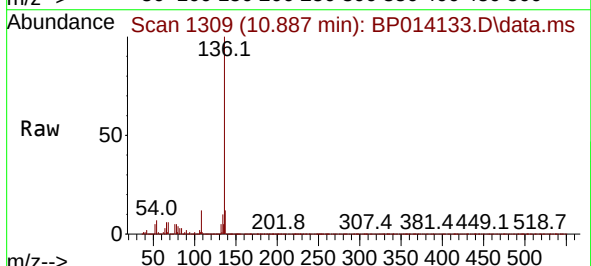
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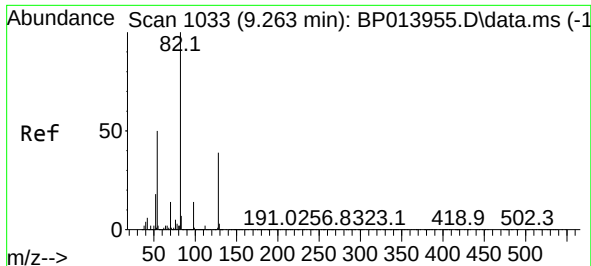
Reviewed By :Christian Giraldo 03/20/2023
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#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.887 min Scan# 1309
Delta R.T. -0.000 min
Lab File: BP014133.D
Acq: 17 Mar 2023 22:12

Tgt Ion:136 Resp: 533533
Ion Ratio Lower Upper
136 100
137 11.5 8.7 13.1
54 7.5 5.8 8.8
68 6.0 4.0 6.0





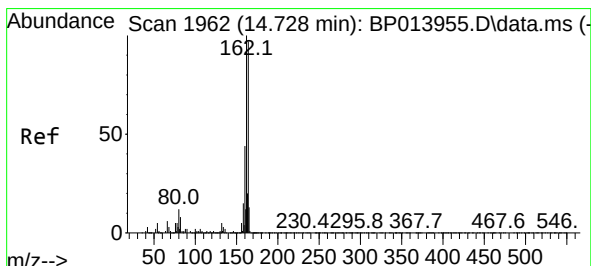
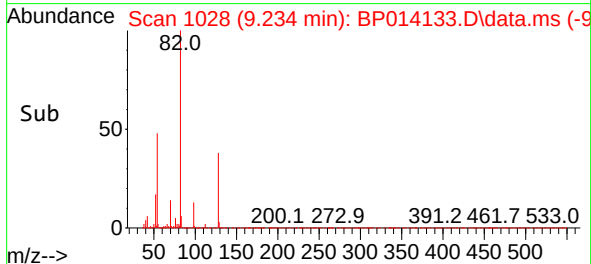
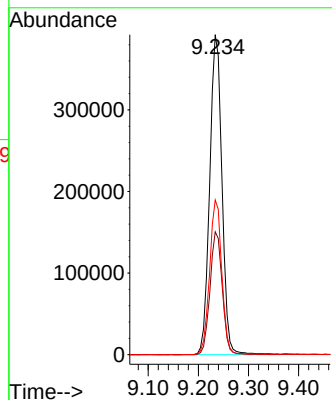
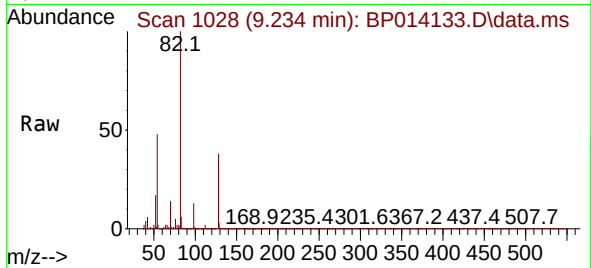
#23
Nitrobenzene-d5
Concen: 57.160 ng
RT: 9.234 min Scan# 1028
Delta R.T. -0.006 min
Lab File: BP014133.D
Acq: 17 Mar 2023 22:12

Instrument :
BNA_P
ClientSampleId :
NYE-SOIL-0316

Tgt Ion: 82 Resp: 66723
Ion Ratio Lower Upper
82 100
128 38.4 31.1 46.7
54 48.4 40.0 60.0

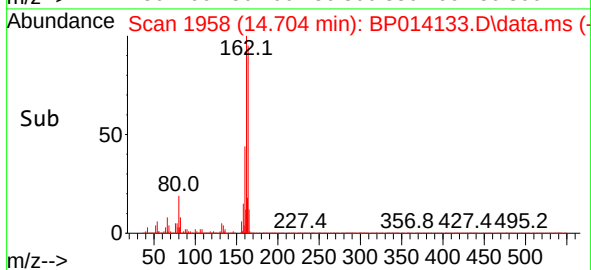
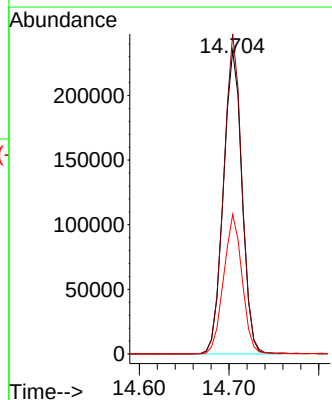
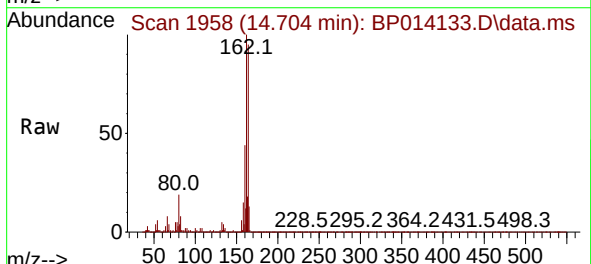
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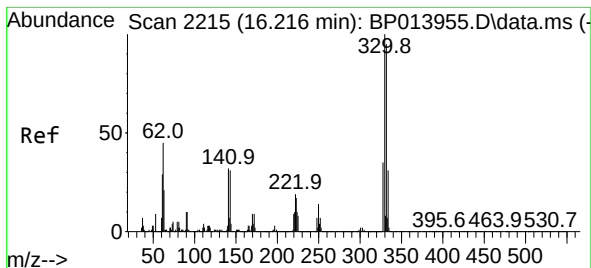
Reviewed By :Christian Giraldo 03/20/2023
Supervised By :Jagrut Upadhyay 03/20/2023



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.704 min Scan# 1958
Delta R.T. -0.006 min
Lab File: BP014133.D
Acq: 17 Mar 2023 22:12

Tgt Ion:164 Resp: 337325
Ion Ratio Lower Upper
164 100
162 105.5 82.1 123.1
160 46.0 36.2 54.2





#42
2,4,6-Tribromophenol
Concen: 83.968 ng
RT: 16.198 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP014133.D
Acq: 17 Mar 2023 22:12

Instrument :

BNA_P

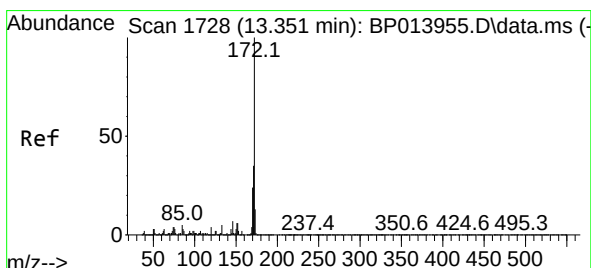
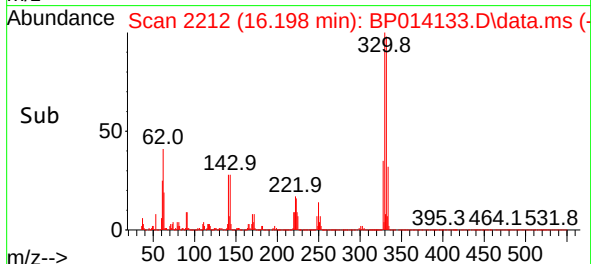
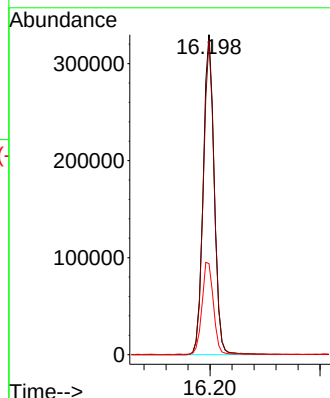
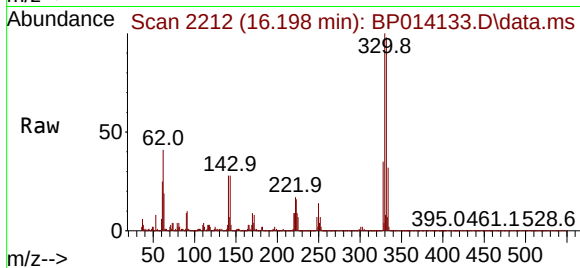
ClientSampleId :

NYE-SOIL-0316

Tgt Ion:330 Resp: 45924
Ion Ratio Lower Upper
330 100
332 97.3 77.1 115.7
141 30.0 25.6 38.4

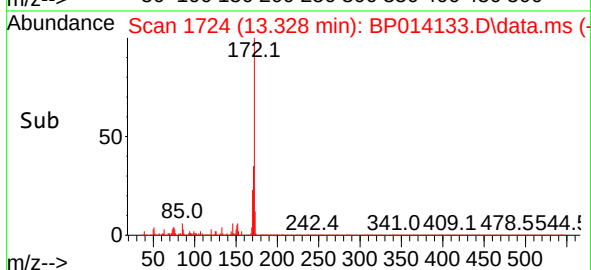
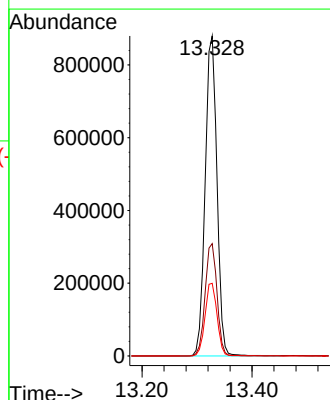
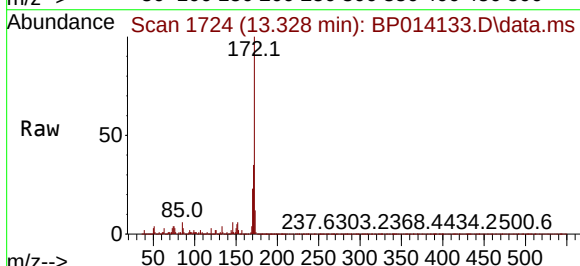
Manual Integrations
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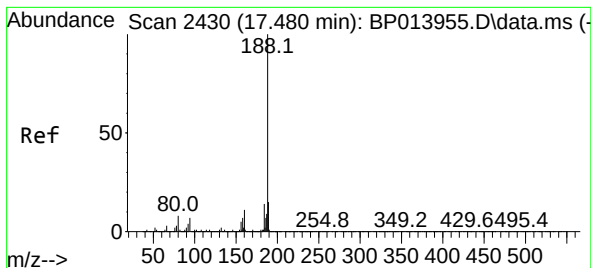
Reviewed By :Christian Giraldo 03/20/2023
Supervised By :Jagrut Upadhyay 03/20/2023



#45
2-Fluorobiphenyl
Concen: 50.160 ng
RT: 13.328 min Scan# 1724
Delta R.T. -0.006 min
Lab File: BP014133.D
Acq: 17 Mar 2023 22:12

Tgt Ion:172 Resp: 1305992
Ion Ratio Lower Upper
172 100
171 35.1 28.3 42.5
170 22.7 19.0 28.4





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.463 min Scan# 2430

Delta R.T. -0.006 min

Lab File: BP014133.D

Acq: 17 Mar 2023 22:12

Instrument :

BNA_P

ClientSampleId :

NYE-SOIL-0316

Tgt Ion:188 Resp: 755974

Ion Ratio Lower Upper

188 100

94 8.3 5.8 8.6

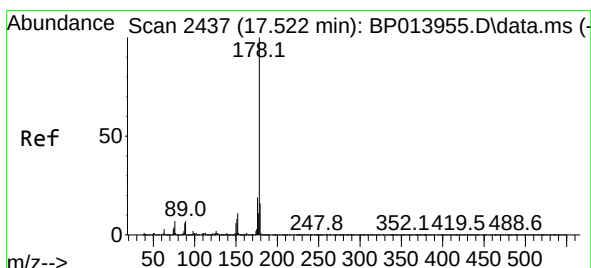
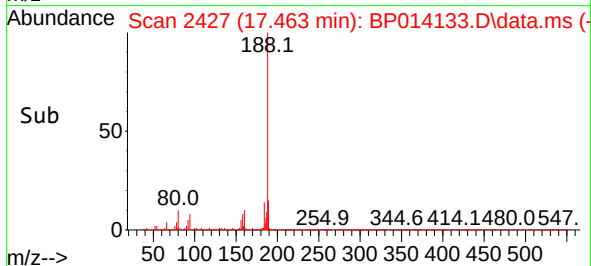
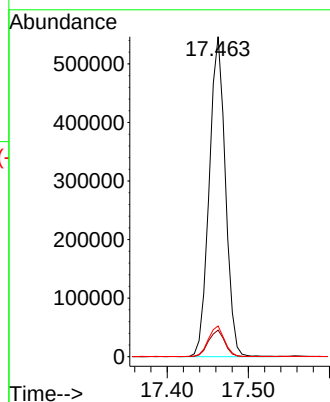
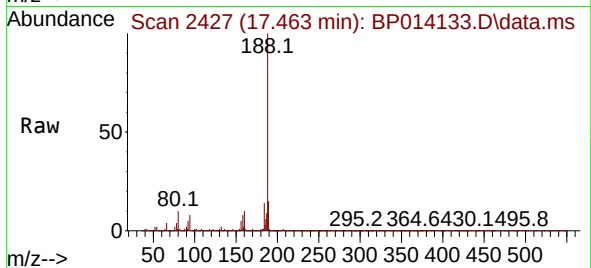
80 9.6 6.6 9.8

Manual Integrations

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Supervised By :Jagrut Upadhyay 03/20/2023



#71

Phenanthrene

Concen: 13.994 ng

RT: 17.504 min Scan# 2434

Delta R.T. -0.006 min

Lab File: BP014133.D

Acq: 17 Mar 2023 22:12

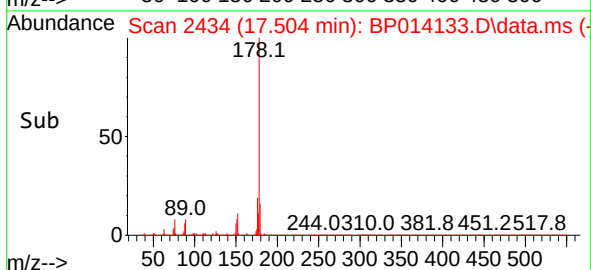
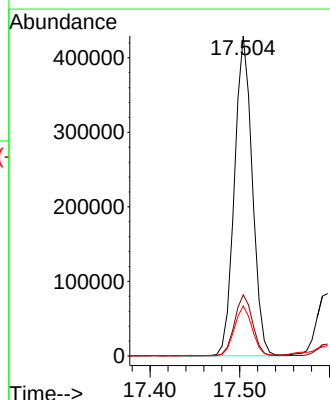
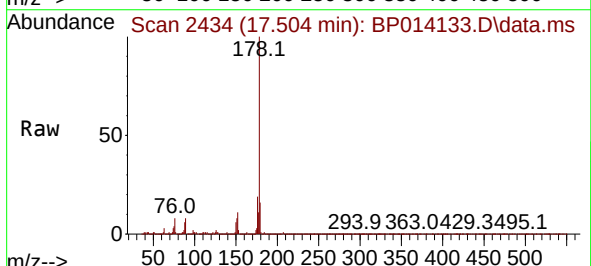
Tgt Ion:178 Resp: 591019

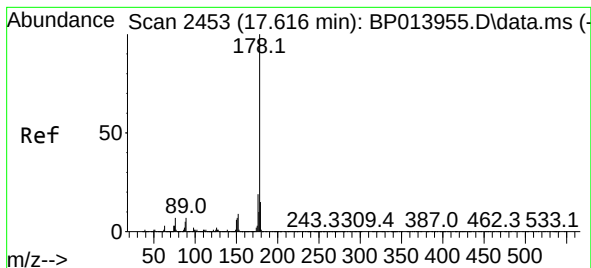
Ion Ratio Lower Upper

178 100

176 19.1 15.4 23.2

179 15.6 12.6 19.0





#72

Anthracene

Concen: 2.780 ng

RT: 17.598 min Scan# 2453

Delta R.T. -0.006 min

Lab File: BP014133.D

Acq: 17 Mar 2023 22:12

Instrument :

BNA_P

ClientSampleId :

NYE-SOIL-0316

Tgt Ion:178 Resp: 11998

Ion Ratio Lower Upper

178 100

176 18.9 14.9 22.3

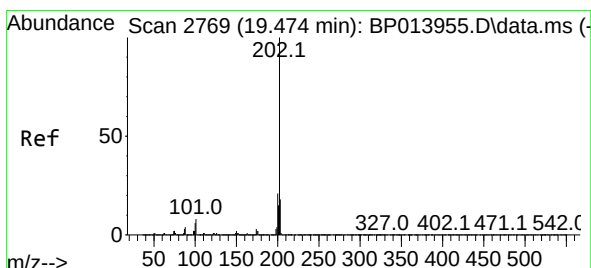
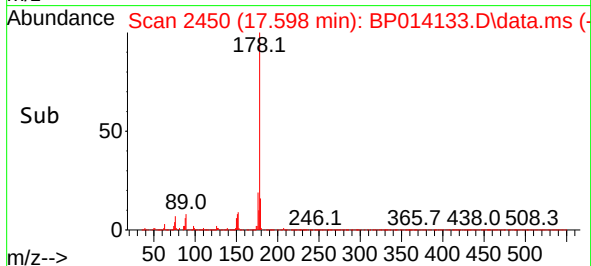
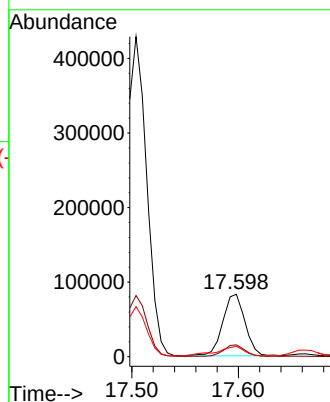
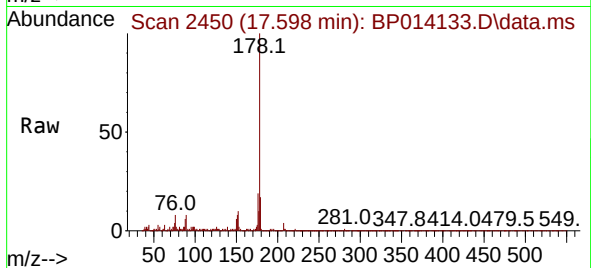
179 16.7 12.1 18.1

Manual Integrations

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Supervised By :Jagrut Upadhyay 03/20/2023



#75

Fluoranthene

Concen: 20.866 ng

RT: 19.463 min Scan# 2767

Delta R.T. -0.000 min

Lab File: BP014133.D

Acq: 17 Mar 2023 22:12

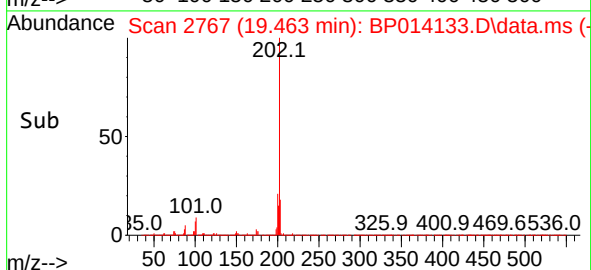
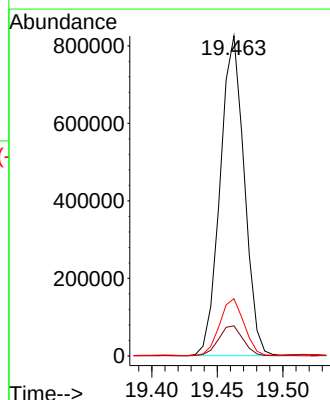
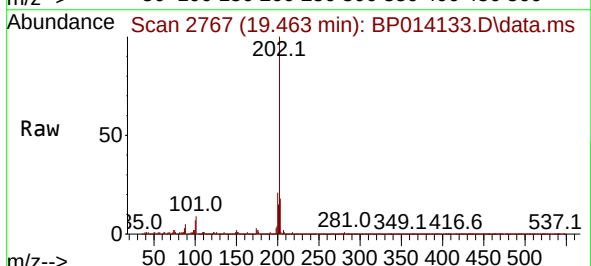
Tgt Ion:202 Resp: 1053309

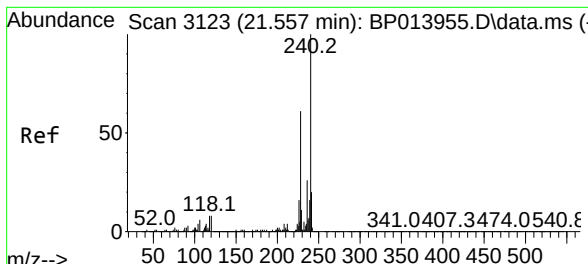
Ion Ratio Lower Upper

202 100

101 9.4 0.0 27.9

203 17.9 0.0 37.7





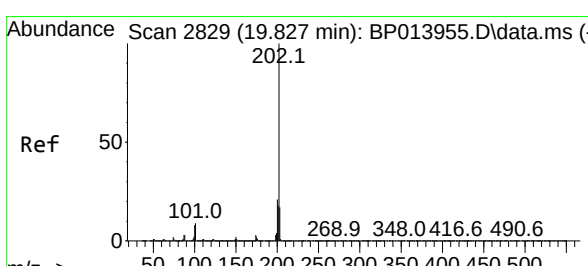
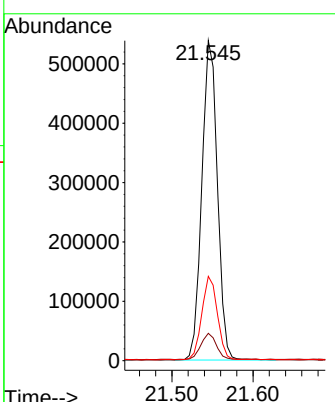
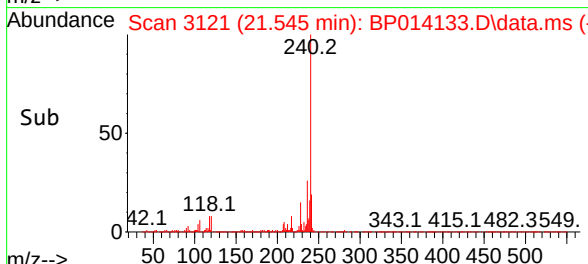
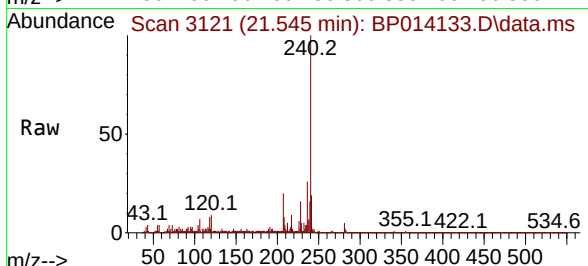
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.545 min Scan# 3121
 Delta R.T. -0.006 min
 Lab File: BP014133.D
 Acq: 17 Mar 2023 22:12

Instrument : BNA_P
 ClientSampleId : NYE-SOIL-0316

Tgt Ion: 240 Resp: 714820

Ion	Ratio	Lower	Upper
240	100		
120	8.6	6.4	9.6
236	26.3	21.2	31.8

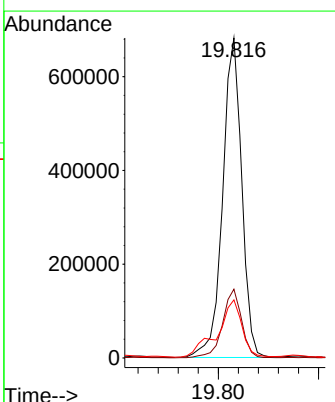
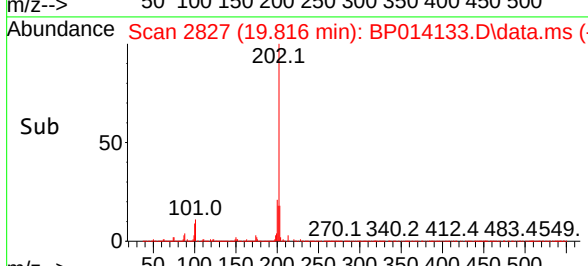
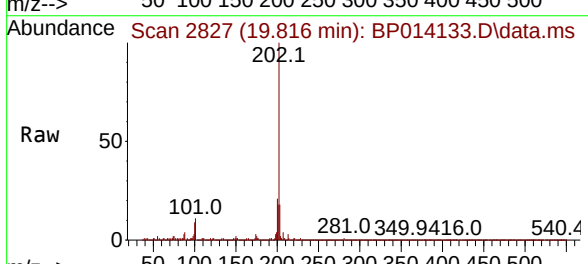
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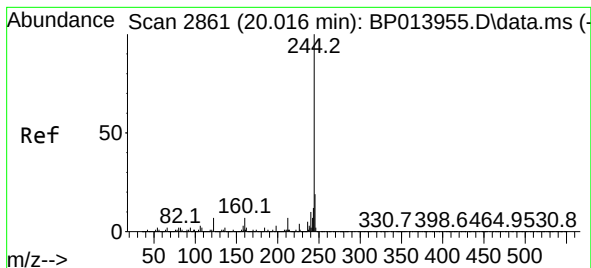


#78
 Pyrene
 Concen: 16.409 ng
 RT: 19.816 min Scan# 2827
 Delta R.T. -0.006 min
 Lab File: BP014133.D
 Acq: 17 Mar 2023 22:12

Tgt Ion: 202 Resp: 900291

Ion	Ratio	Lower	Upper
202	100		
200	21.5	16.9	25.3
203	18.2	13.9	20.9





#79

Terphenyl-d14

Concen: 45.366 ng

RT: 19.998 min Scan# 21

Delta R.T. -0.006 min

Lab File: BP014133.D

Acq: 17 Mar 2023 22:12

Instrument :

BNA_P

ClientSampleId :

NYE-SOIL-0316

Tgt Ion:244 Resp: 1966630

Ion Ratio Lower Upper

244 100

212 7.4 6.0 9.0

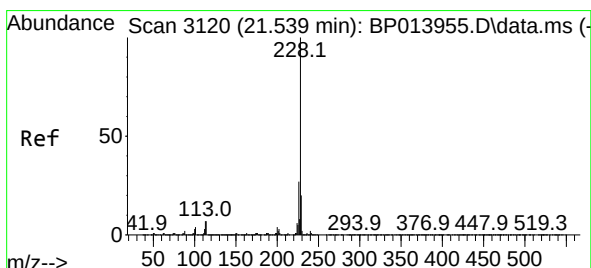
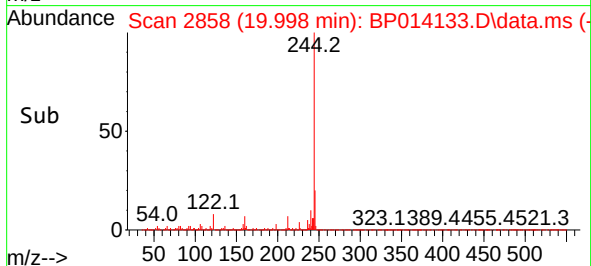
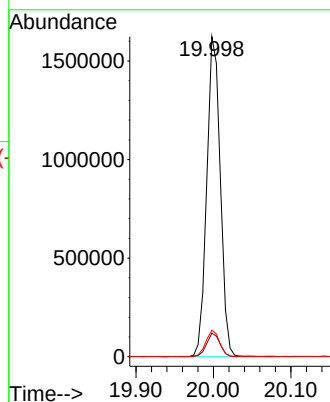
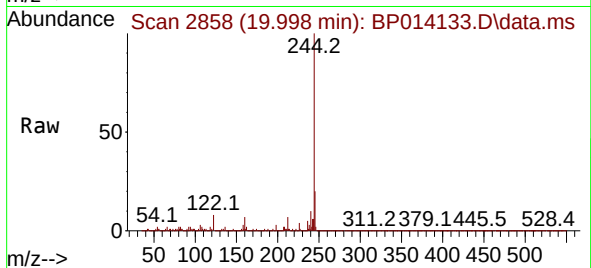
122 8.2 5.8 8.6

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 03/20/2023

Supervised By :Jagrut Upadhyay 03/20/2023



#81

Benzo(a)anthracene

Concen: 9.634 ng

RT: 21.527 min Scan# 3118

Delta R.T. -0.006 min

Lab File: BP014133.D

Acq: 17 Mar 2023 22:12

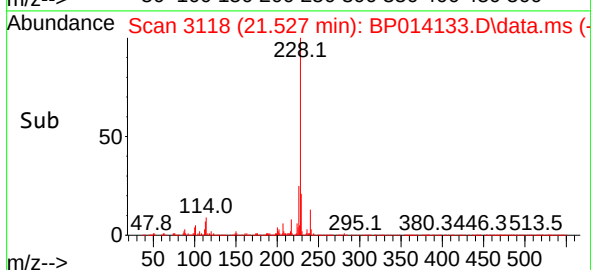
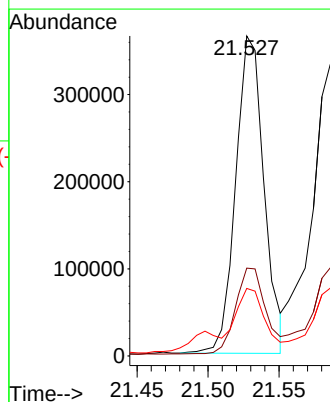
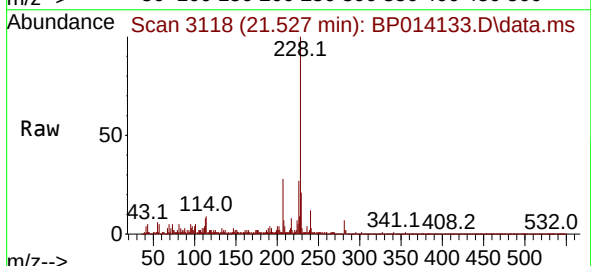
Tgt Ion:228 Resp: 505297

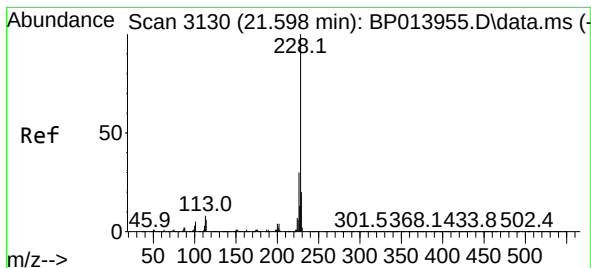
Ion Ratio Lower Upper

228 100

226 27.4 21.8 32.8

229 21.1 15.8 23.6





#83

Chrysene

Concen: 10.294 ng

RT: 21.586 min Scan# 3112

Delta R.T. -0.006 min

Lab File: BP014133.D

Acq: 17 Mar 2023 22:12

Instrument :

BNA_P

ClientSampleId :

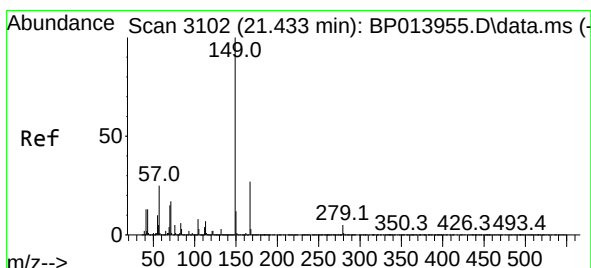
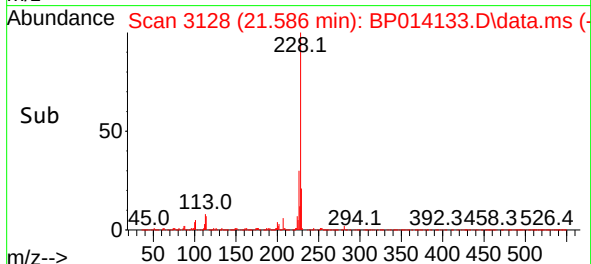
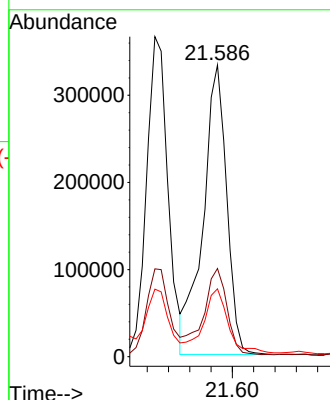
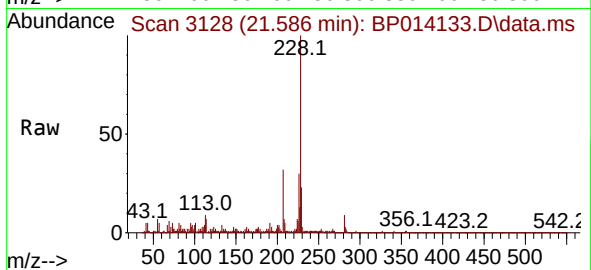
NYE-SOIL-0316

Tgt Ion:	228	Resp:	51132
Ion Ratio	Lower	Upper	
228	100		
226	30.2	24.2	36.4
229	23.3	15.8	23.8

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 03/20/2023
Supervised By :Jagrut Upadhyay 03/20/2023



#84

Bis(2-ethylhexyl)phthalate

Concen: 3.095 ng

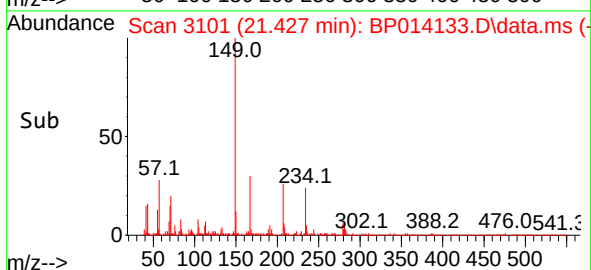
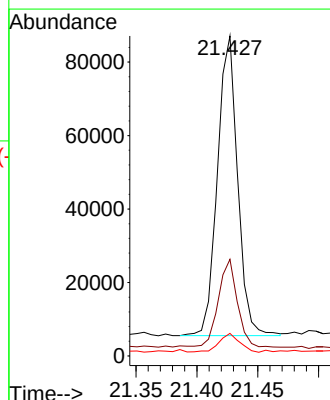
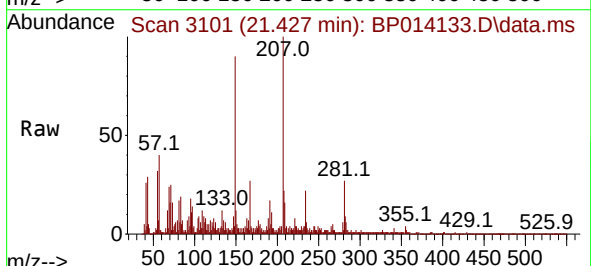
RT: 21.427 min Scan# 3101

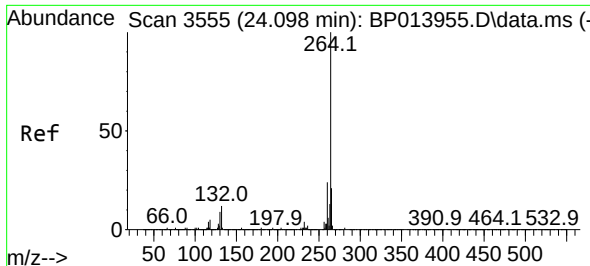
Delta R.T. -0.000 min

Lab File: BP014133.D

Acq: 17 Mar 2023 22:12

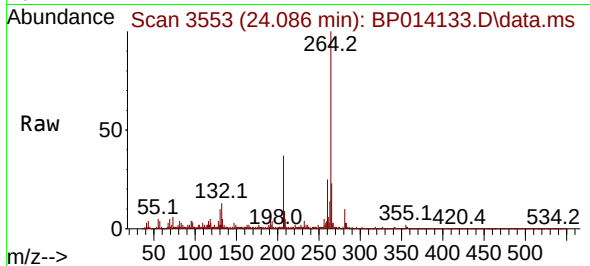
Tgt Ion:	149	Resp:	94429
Ion Ratio	Lower	Upper	
149	100		
167	30.2	21.8	32.6
279	7.1	4.0	6.0





#86
Perylene-d12
Concen: 20.000 ng
RT: 24.086 min Scan# 31
Delta R.T. -0.000 min
Lab File: BP014133.D
Acq: 17 Mar 2023 22:12

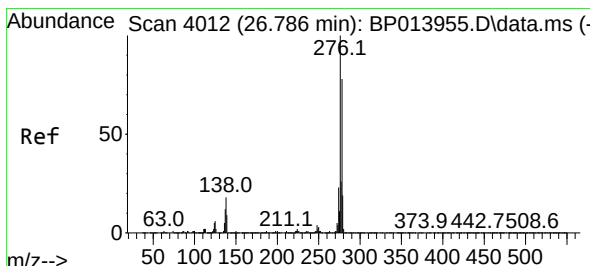
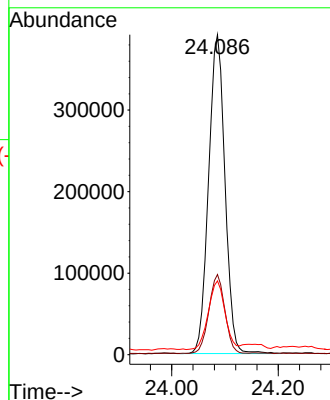
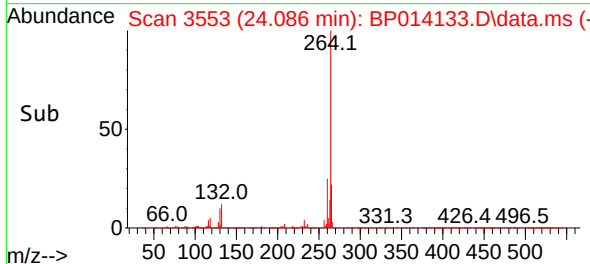
Instrument :
BNA_P
ClientSampleId :
NYE-SOIL-0316



Tgt Ion:264 Resp: 83435
Ion Ratio Lower Upper
264 100
260 25.0 19.4 29.2
265 23.1 17.8 26.8

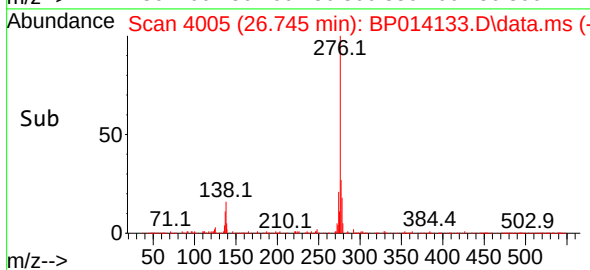
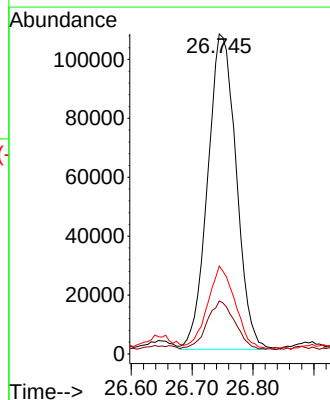
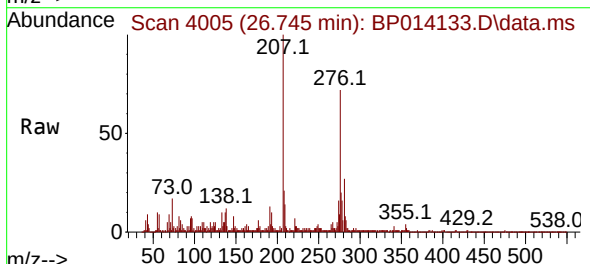
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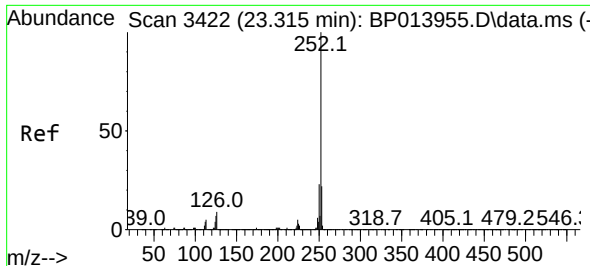
Reviewed By :Christian Giraldo 03/20/2023
Supervised By :Jagrut Upadhyay 03/20/2023



#87
Indeno(1,2,3-cd)pyrene
Concen: 5.414 ng
RT: 26.745 min Scan# 4005
Delta R.T. -0.018 min
Lab File: BP014133.D
Acq: 17 Mar 2023 22:12

Tgt Ion:276 Resp: 349033
Ion Ratio Lower Upper
276 100
138 15.2 13.8 20.8
277 25.6 20.4 30.6





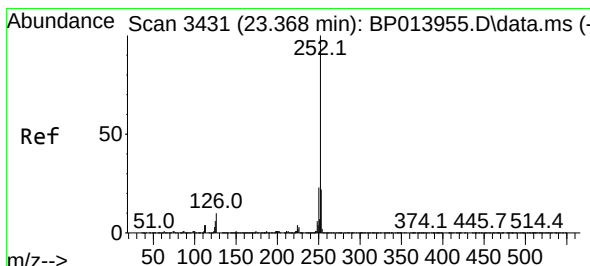
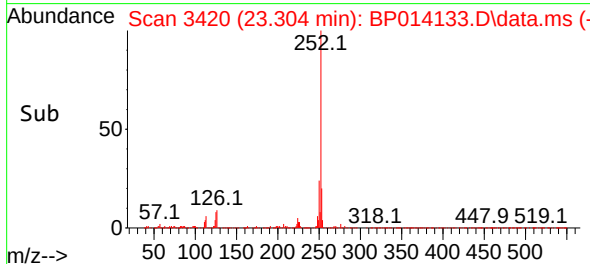
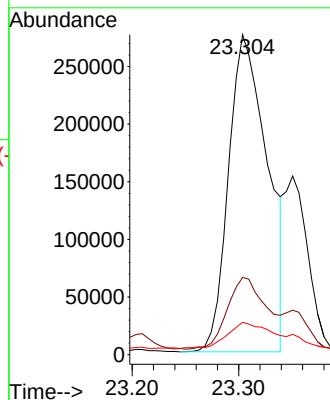
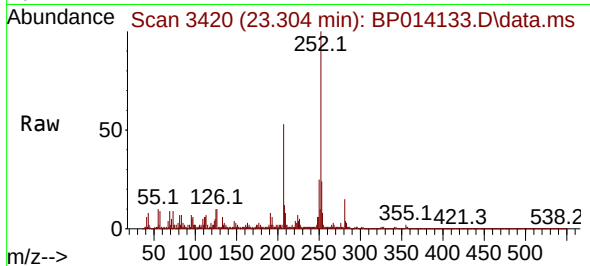
#88
Benzo(b)fluoranthene
Concen: 12.793 ng
RT: 23.304 min Scan# 3420
Delta R.T. -0.006 min
Lab File: BP014133.D
Acq: 17 Mar 2023 22:12

Instrument :
BNA_P
ClientSampleId :
NYE-SOIL-0316

Tgt Ion:252 Resp: 698939
Ion Ratio Lower Upper
252 100
253 24.1 17.5 26.3
125 10.1 5.6 8.4

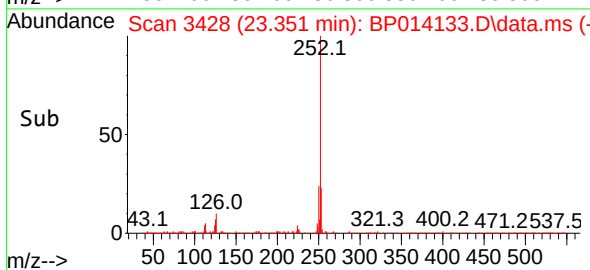
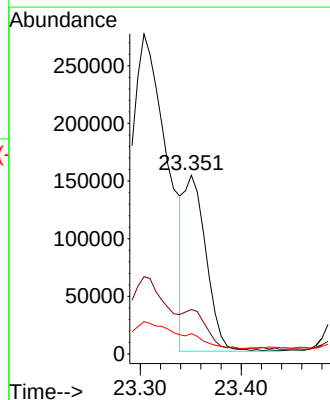
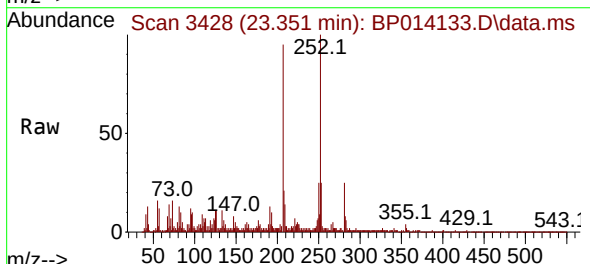
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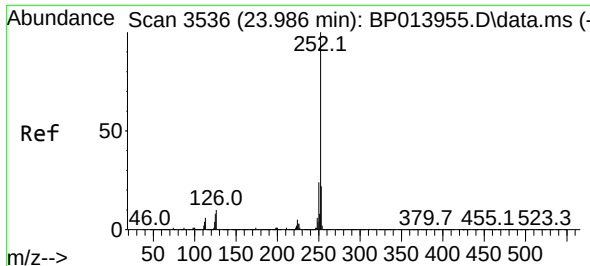
Reviewed By :Christian Giraldo 03/20/2023
Supervised By :Jagrut Upadhyay 03/20/2023



#89
Benzo(k)fluoranthene
Concen: 4.294 ng m
RT: 23.351 min Scan# 3428
Delta R.T. -0.012 min
Lab File: BP014133.D
Acq: 17 Mar 2023 22:12

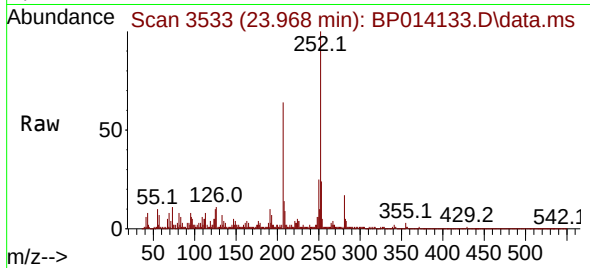
Tgt Ion:252 Resp: 232620
Ion Ratio Lower Upper
252 100
253 24.9 17.4 26.0
125 11.4 5.4 8.0





#90
Benzo(a)pyrene
Concen: 9.132 ng
RT: 23.968 min Scan# 31
Delta R.T. -0.006 min
Lab File: BP014133.D
Acq: 17 Mar 2023 22:12

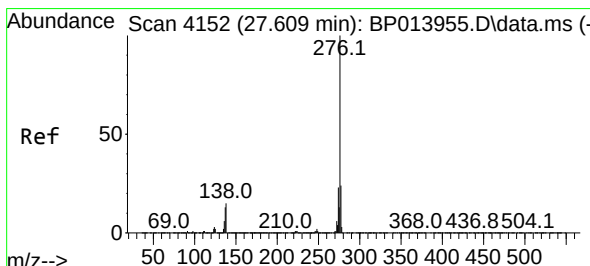
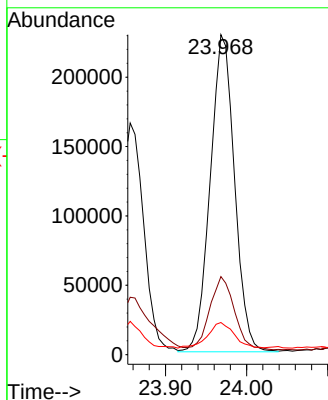
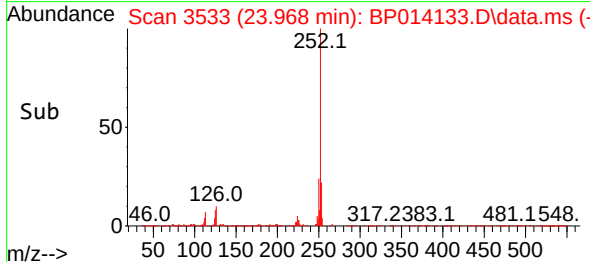
Instrument :
BNA_P
ClientSampleId :
NYE-SOIL-0316



Tgt Ion:252 Resp: 475870
Ion Ratio Lower Upper
252 100
253 24.4 17.4 26.2
125 10.0 6.2 9.4

Manual Integrations
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Reviewed By :Christian Giraldo 03/20/2023
Supervised By :Jagrut Upadhyay 03/20/2023



#92
Benzo(g,h,i)perylene
Concen: 6.358 ng
RT: 27.580 min Scan# 4147
Delta R.T. -0.006 min
Lab File: BP014133.D
Acq: 17 Mar 2023 22:12

Tgt Ion:276 Resp: 337704
Ion Ratio Lower Upper
276 100
277 25.2 19.4 29.0
138 15.2 12.2 18.4

