

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP111422\
 Data File : BP012651.D
 Acq On : 14 Nov 2022 15:03
 Operator : CG/JU
 Sample : N5529-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 NMS-SOIL-1108

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 11/15/2022
 Supervised By : Jagrut Upadhyay 11/15/2022

Quant Time: Nov 14 17:00:13 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP111222.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Nov 14 04:00:17 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.705	152	218735	20.000	ng	0.00
21) Naphthalene-d8	10.505	136	802718	20.000	ng	0.00
39) Acenaphthene-d10	14.363	164	436975	20.000	ng	0.00
64) Phenanthrene-d10	17.128	188	902966	20.000	ng	0.00
76) Chrysene-d12	21.233	240	1006984	20.000	ng	0.00
86) Perylene-d12	23.580	264	1126920	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.293	112	1617083	137.660	ng	0.00
7) Phenol-d6	6.899	99	1925816	118.110	ng	0.00
23) Nitrobenzene-d5	8.875	82	1221290	84.407	ng	-0.01
42) 2,4,6-Tribromophenol	15.869	330	784122	131.447	ng	0.00
45) 2-Fluorobiphenyl	12.981	172	2345654	81.490	ng	-0.01
79) Terphenyl-d14	19.704	244	3479063	69.994	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.175	178	263223	5.288	ng	98
72) Anthracene	17.263	178	100904	2.113	ng	99
75) Fluoranthene	19.151	202	748104	12.824	ng	99
78) Pyrene	19.504	202	667776	9.613	ng	99
81) Benzo(a)anthracene	21.216	228	408329	6.064	ng	99
83) Chrysene	21.269	228	359018	5.594	ng	98
84) Bis(2-ethylhexyl)phtha...	21.145	149	91227	2.267	ng	# 98
87) Indeno(1,2,3-cd)pyrene	26.004	276	270061	3.382	ng	96
88) Benzo(b)fluoranthene	22.863	252	490169m	6.761	ng	
89) Benzo(k)fluoranthene	22.904	252	198135m	2.801	ng	
90) Benzo(a)pyrene	23.474	252	379491	6.410	ng	98
92) Benzo(g,h,i)perylene	26.751	276	267735	4.108	ng	99

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

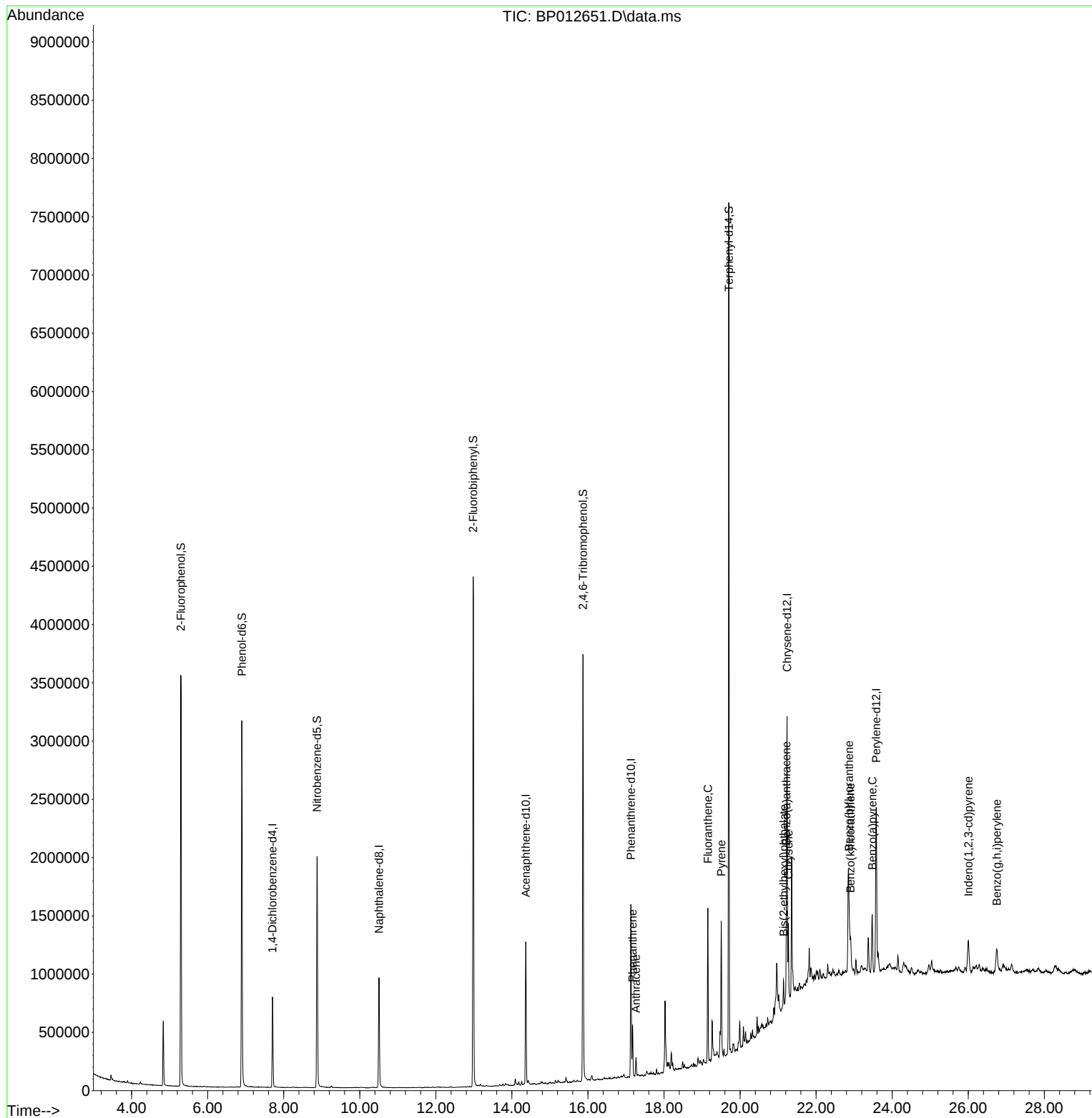
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP111422\
Data File : BP012651.D
Acq On : 14 Nov 2022 15:03
Operator : CG/JU
Sample : N5529-01
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ALS Vial : 9 Sample Multiplier: 1

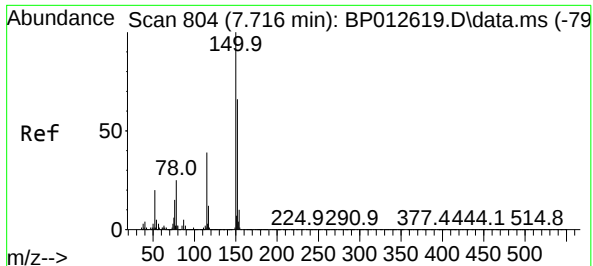
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP111222.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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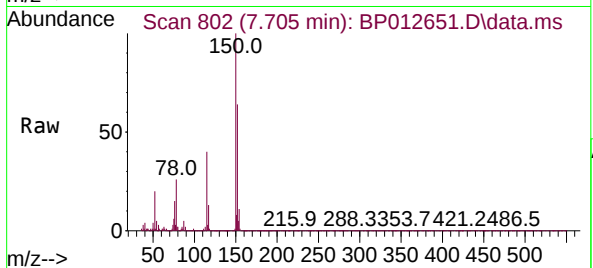
Reviewed By : Christian Giraldo 11/15/2022
Supervised By : Jagrut Upadhyay 11/15/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.705 min Scan# 804
Delta R.T. -0.005 min
Lab File: BP012651.D
Acq: 14 Nov 2022 15:03

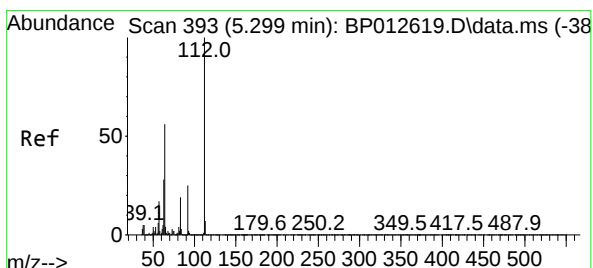
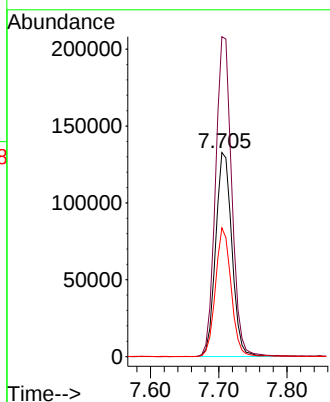
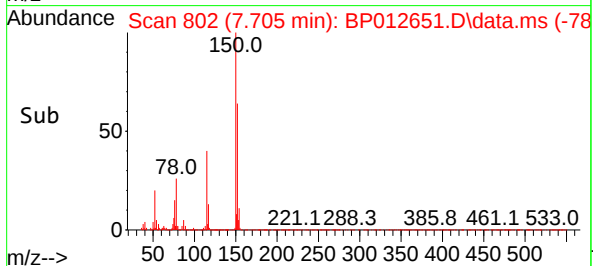
Instrument :
BNA_P
ClientSampleId :
NMS-SOIL-1108



Tgt Ion:152 Resp: 218735
Ion Ratio Lower Upper
152 100
150 156.8 122.1 183.1
115 63.1 47.3 70.9

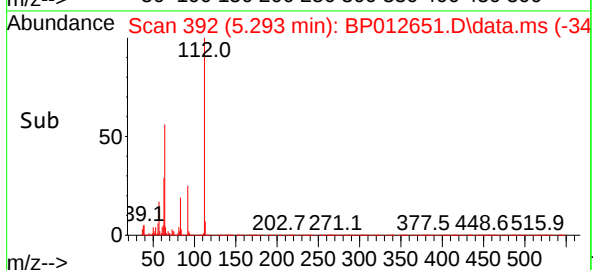
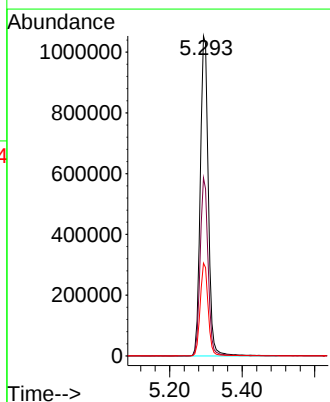
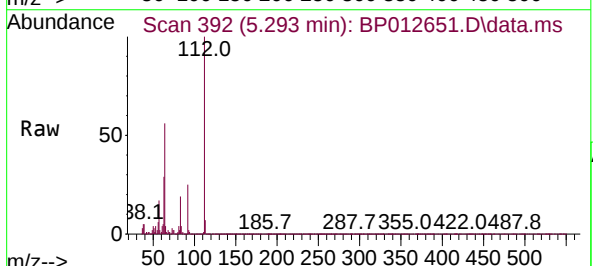
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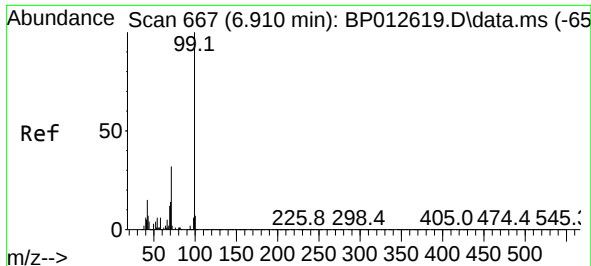
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Supervised By :Jagrut Upadhyay 11/15/2022



#5
2-Fluorophenol
Concen: 137.660 ng
RT: 5.293 min Scan# 392
Delta R.T. 0.000 min
Lab File: BP012651.D
Acq: 14 Nov 2022 15:03

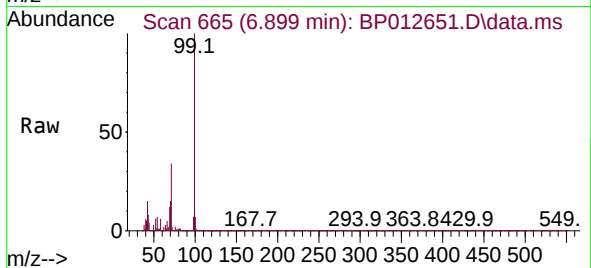
Tgt Ion:112 Resp: 1617083
Ion Ratio Lower Upper
112 100
64 55.6 44.6 67.0
63 29.0 22.8 34.2





#7
Phenol-d6
Concen: 118.110 ng
RT: 6.899 min Scan# 60
Delta R.T. 0.000 min
Lab File: BP012651.D
Acq: 14 Nov 2022 15:03

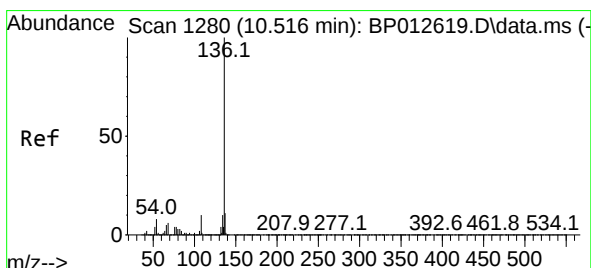
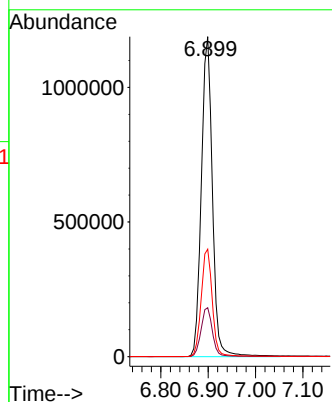
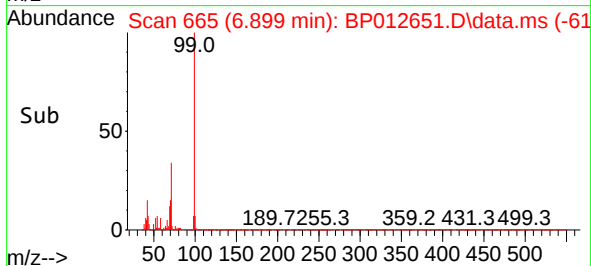
Instrument :
BNA_P
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NMS-SOIL-1108



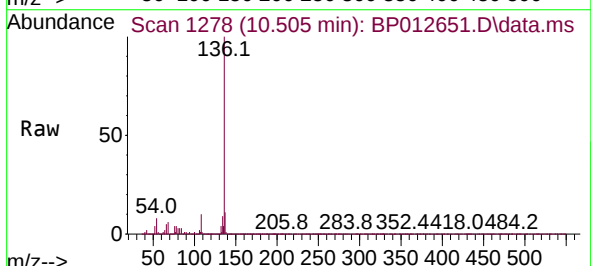
Tgt Ion: 99 Resp: 1925816
Ion Ratio Lower Upper
99 100
42 15.3 12.2 18.2
71 33.6 26.0 39.0

Manual Integrations
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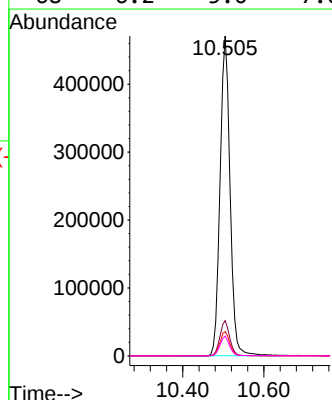
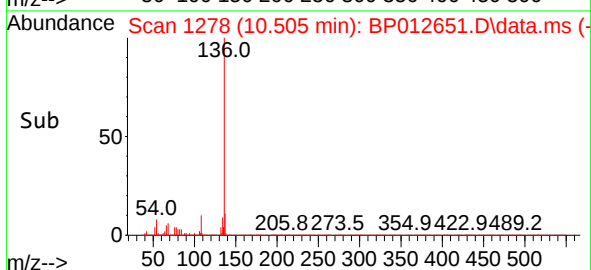
Reviewed By :Christian Giraldo 11/15/2022
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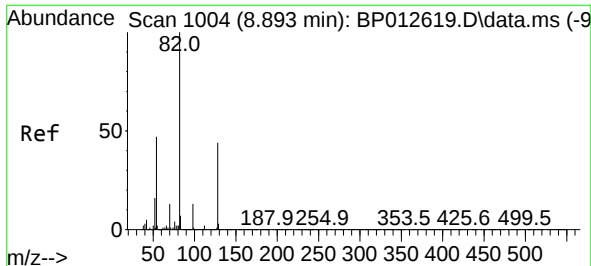


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.505 min Scan# 1278
Delta R.T. -0.006 min
Lab File: BP012651.D
Acq: 14 Nov 2022 15:03



Tgt Ion:136 Resp: 802718
Ion Ratio Lower Upper
136 100
137 11.0 9.0 13.6
54 7.6 6.4 9.6
68 6.2 5.0 7.6





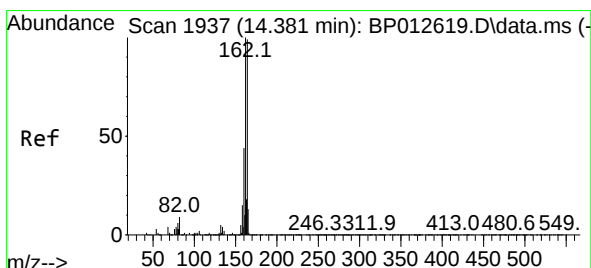
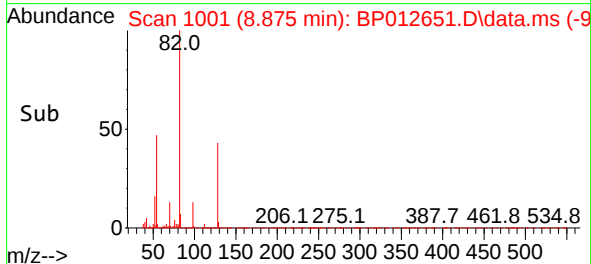
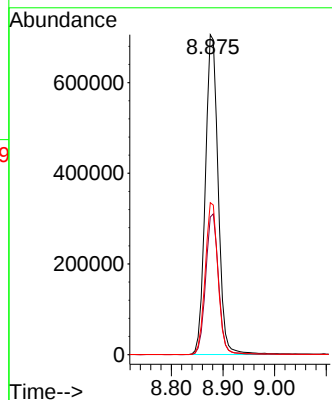
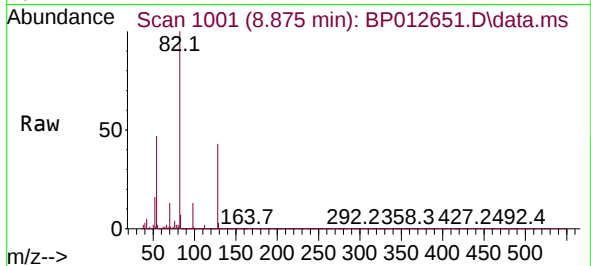
#23
Nitrobenzene-d5
Concen: 84.407 ng
RT: 8.875 min Scan# 1001
Delta R.T. -0.012 min
Lab File: BP012651.D
Acq: 14 Nov 2022 15:03

Instrument :
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Tgt Ion: 82 Resp: 1221290
Ion Ratio Lower Upper
82 100
128 43.0 35.4 53.2
54 47.5 37.8 56.6

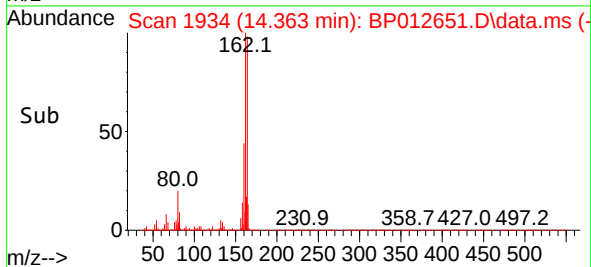
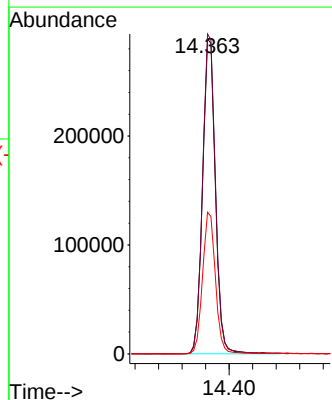
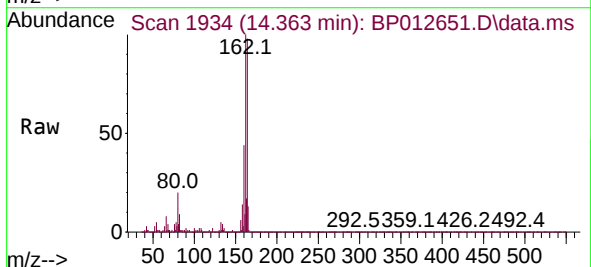
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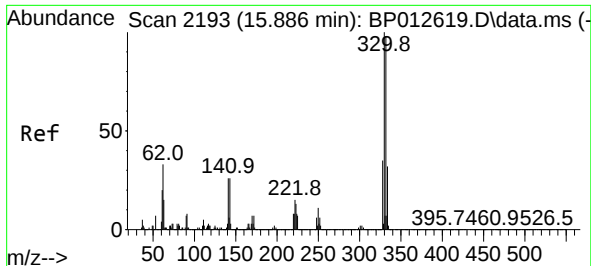
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Supervised By :Jagrut Upadhyay 11/15/2022



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.363 min Scan# 1934
Delta R.T. -0.006 min
Lab File: BP012651.D
Acq: 14 Nov 2022 15:03

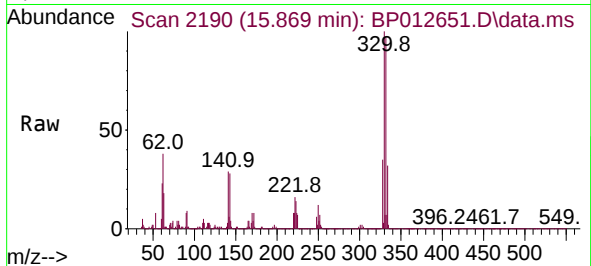
Tgt Ion:164 Resp: 436975
Ion Ratio Lower Upper
164 100
162 101.6 81.0 121.6
160 45.0 36.1 54.1





#42
2,4,6-Tribromophenol
Concen: 131.447 ng
RT: 15.869 min Scan# 2193
Delta R.T. -0.006 min
Lab File: BP012651.D
Acq: 14 Nov 2022 15:03

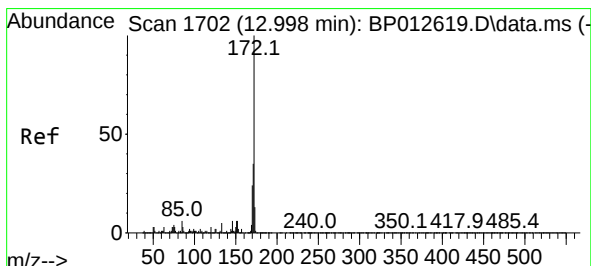
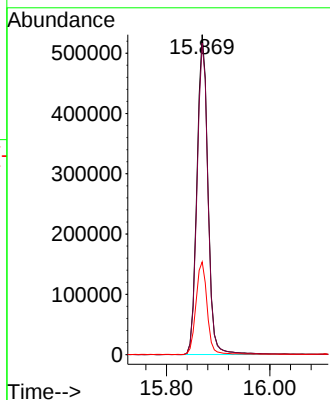
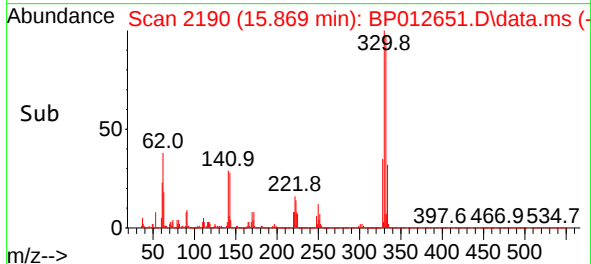
Instrument :
BNA_P
ClientSampleId :
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Tgt Ion: 330 Resp: 78412
Ion Ratio Lower Upper
330 100
332 97.4 77.6 116.4
141 29.4 23.7 35.5

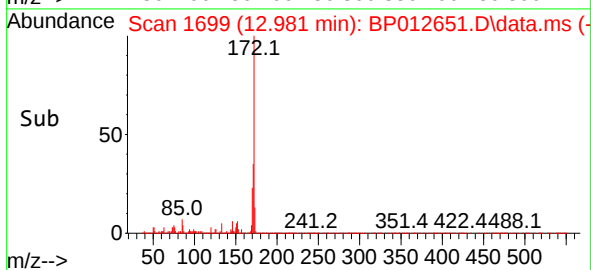
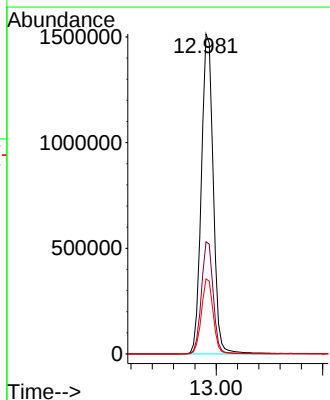
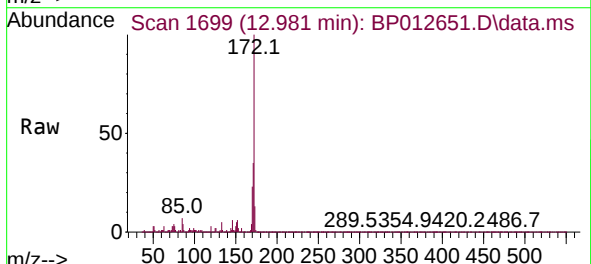
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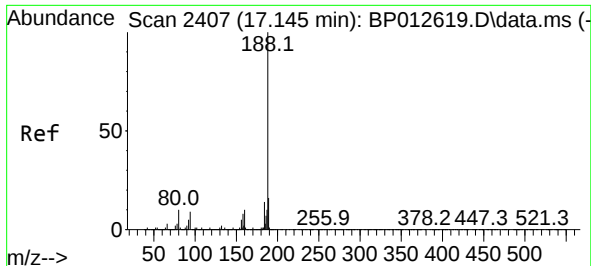
Reviewed By : Christian Giraldo 11/15/2022
Supervised By : Jagrut Upadhyay 11/15/2022



#45
2-Fluorobiphenyl
Concen: 81.490 ng
RT: 12.981 min Scan# 1699
Delta R.T. -0.012 min
Lab File: BP012651.D
Acq: 14 Nov 2022 15:03

Tgt Ion: 172 Resp: 2345654
Ion Ratio Lower Upper
172 100
171 35.0 28.2 42.4
170 23.4 19.0 28.6





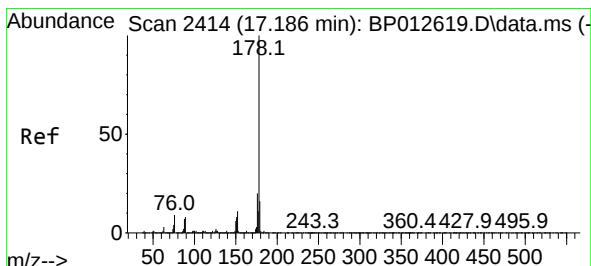
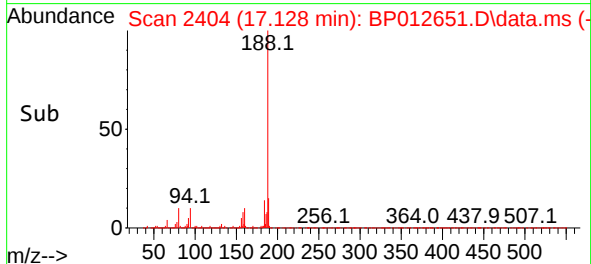
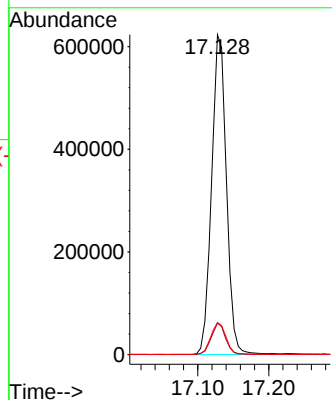
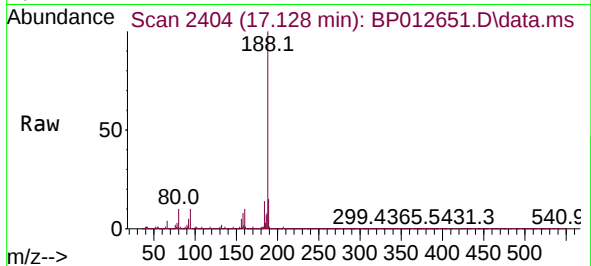
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.128 min Scan# 2404
Delta R.T. -0.006 min
Lab File: BP012651.D
Acq: 14 Nov 2022 15:03

Instrument :
BNA_P
ClientSampleId :
NMS-SOIL-1108

Tgt Ion:188 Resp: 902966
Ion Ratio Lower Upper
188 100
94 9.8 7.5 11.3
80 10.0 8.2 12.2

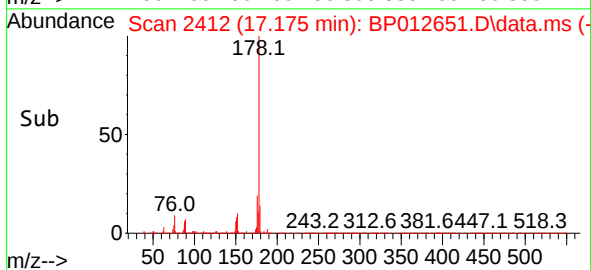
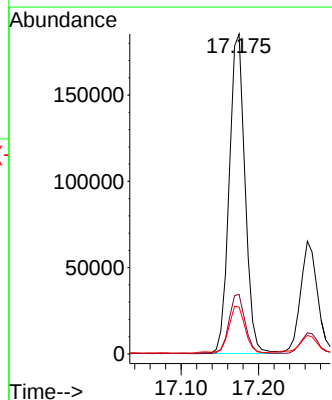
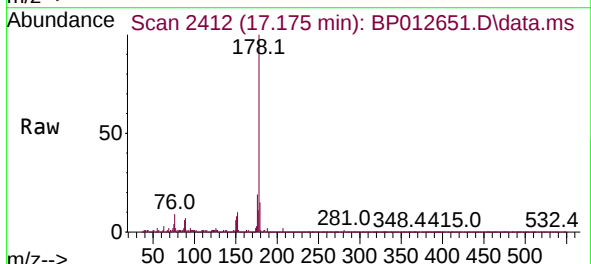
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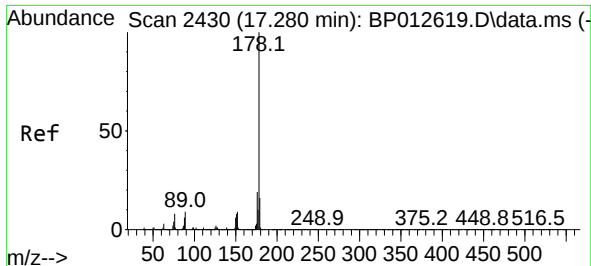
Reviewed By :Christian Giraldo 11/15/2022
Supervised By :Jagrut Upadhyay 11/15/2022



#71
Phenanthrene
Concen: 5.288 ng
RT: 17.175 min Scan# 2412
Delta R.T. -0.006 min
Lab File: BP012651.D
Acq: 14 Nov 2022 15:03

Tgt Ion:178 Resp: 263223
Ion Ratio Lower Upper
178 100
176 18.6 15.8 23.6
179 14.6 12.6 18.8





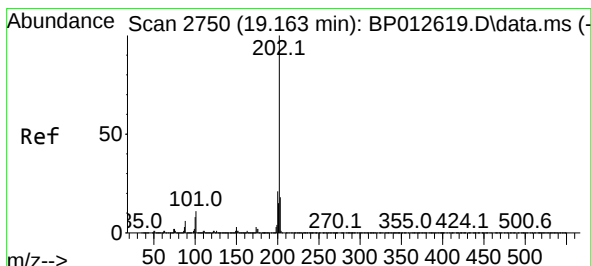
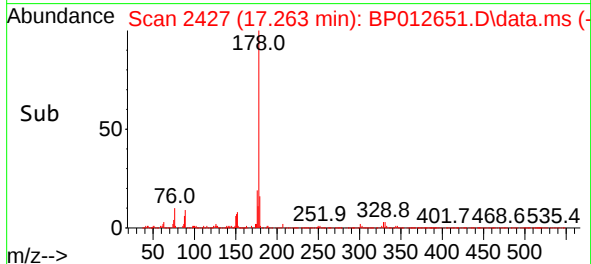
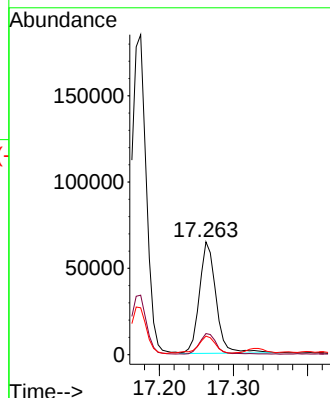
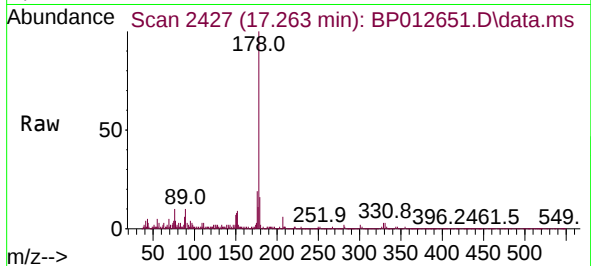
#72
 Anthracene
 Concen: 2.113 ng
 RT: 17.263 min Scan# 2430
 Delta R.T. -0.006 min
 Lab File: BP012651.D
 Acq: 14 Nov 2022 15:03

Instrument :
 BNA_P
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 NMS-SOIL-1108

Tgt Ion:178 Resp: 100904
 Ion Ratio Lower Upper
 178 100
 176 18.7 15.4 23.0
 179 16.4 12.5 18.7

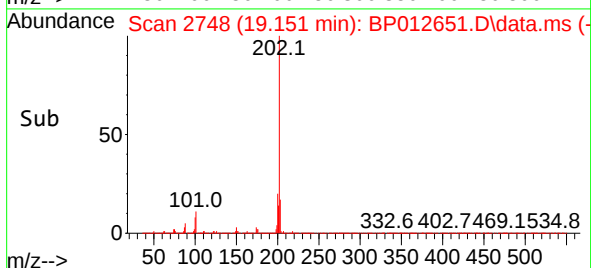
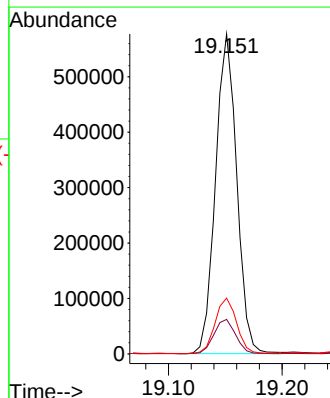
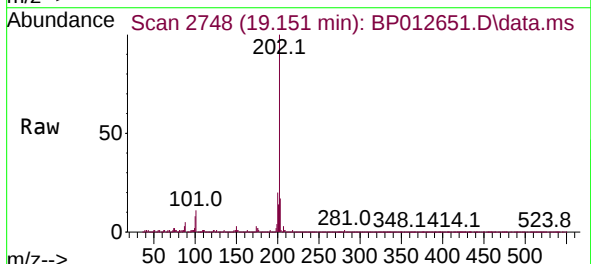
Manual Integrations
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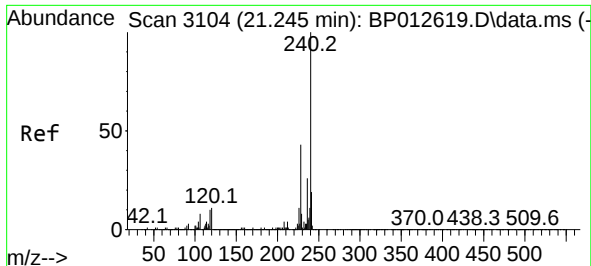
Reviewed By :Christian Giraldo 11/15/2022
 Supervised By :Jagrut Upadhyay 11/15/2022



#75
 Fluoranthene
 Concen: 12.824 ng
 RT: 19.151 min Scan# 2748
 Delta R.T. -0.006 min
 Lab File: BP012651.D
 Acq: 14 Nov 2022 15:03

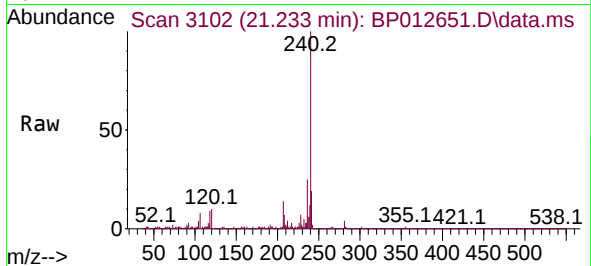
Tgt Ion:202 Resp: 748104
 Ion Ratio Lower Upper
 202 100
 101 10.8 0.0 31.1
 203 17.4 0.0 38.1





#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.233 min Scan# 31
Delta R.T. -0.006 min
Lab File: BP012651.D
Acq: 14 Nov 2022 15:03

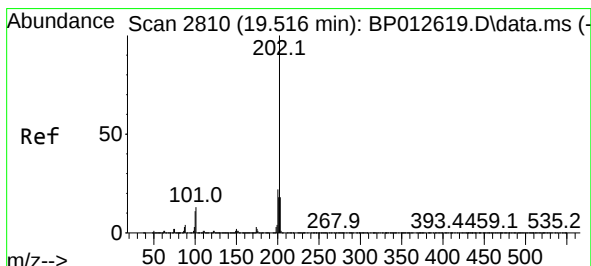
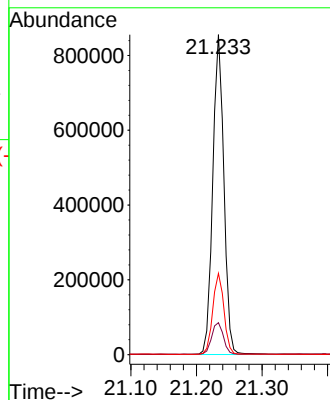
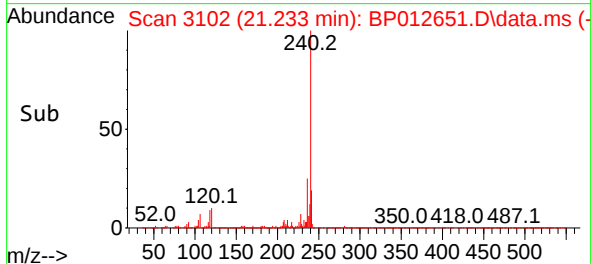
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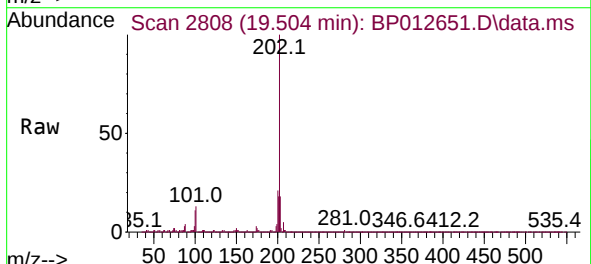
Tgt Ion:240 Resp: 1006984
Ion Ratio Lower Upper
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120 10.0 9.0 13.4
236 25.4 20.8 31.2

Manual Integrations
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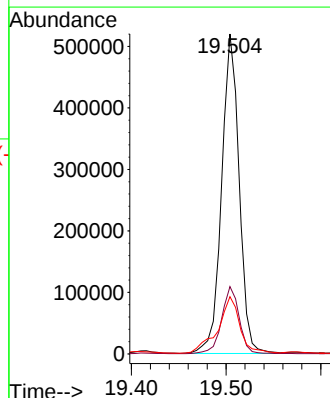
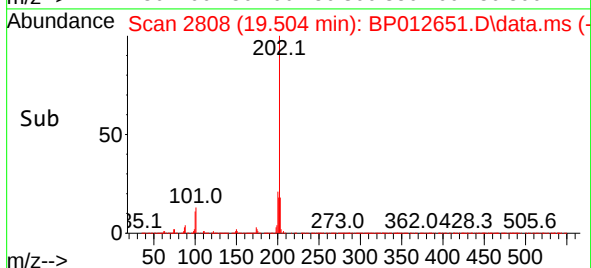
Reviewed By :Christian Giraldo 11/15/2022
Supervised By :Jagrut Upadhyay 11/15/2022

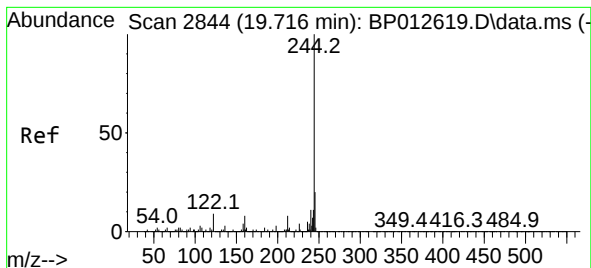


#78
Pyrene
Concen: 9.613 ng
RT: 19.504 min Scan# 2808
Delta R.T. -0.006 min
Lab File: BP012651.D
Acq: 14 Nov 2022 15:03



Tgt Ion:202 Resp: 667776
Ion Ratio Lower Upper
202 100
200 21.0 17.4 26.0
203 17.9 14.3 21.5





#79

Terphenyl-d14

Concen: 69.994 ng

RT: 19.704 min Scan# 2844

Delta R.T. -0.006 min

Lab File: BP012651.D

Acq: 14 Nov 2022 15:03

Instrument :

BNA_P

ClientSampleId :

NMS-SOIL-1108

Tgt Ion:244 Resp: 3479063

Ion Ratio Lower Upper

244 100

212 7.2 6.2 9.2

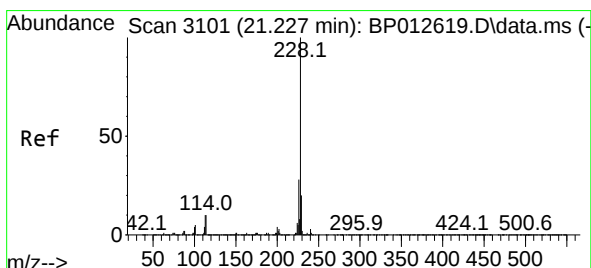
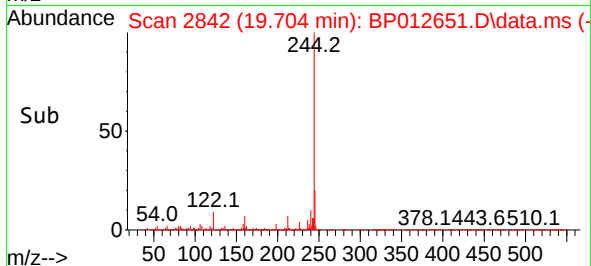
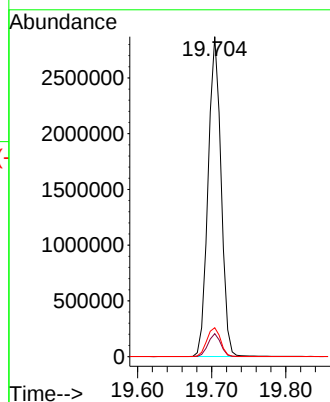
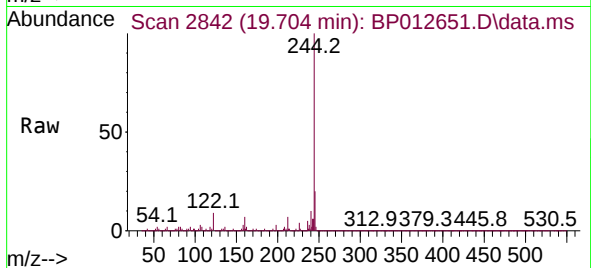
122 9.0 7.0 10.4

Manual Integrations

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Reviewed By :Christian Giraldo 11/15/2022

Supervised By :Jagrut Upadhyay 11/15/2022



#81

Benzo(a)anthracene

Concen: 6.064 ng

RT: 21.216 min Scan# 3099

Delta R.T. -0.006 min

Lab File: BP012651.D

Acq: 14 Nov 2022 15:03

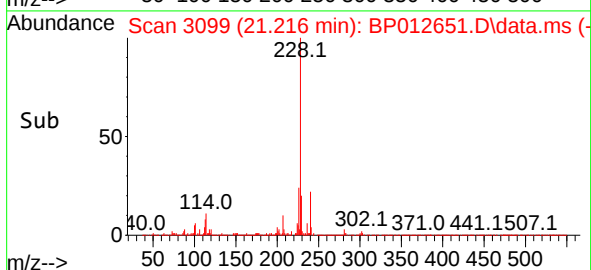
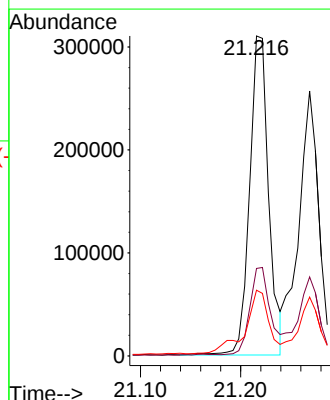
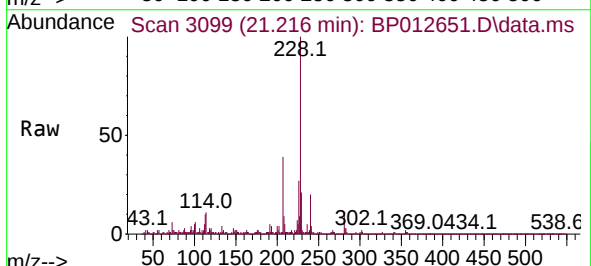
Tgt Ion:228 Resp: 408329

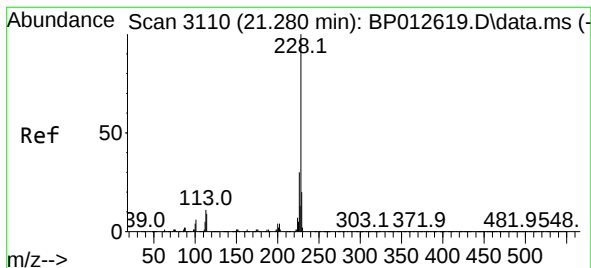
Ion Ratio Lower Upper

228 100

226 27.3 22.1 33.1

229 20.5 16.2 24.2





#83

Chrysene

Concen: 5.594 ng

RT: 21.269 min Scan# 3110

Delta R.T. -0.006 min

Lab File: BP012651.D

Acq: 14 Nov 2022 15:03

Instrument :

BNA_P

ClientSampleId :

NMS-SOIL-1108

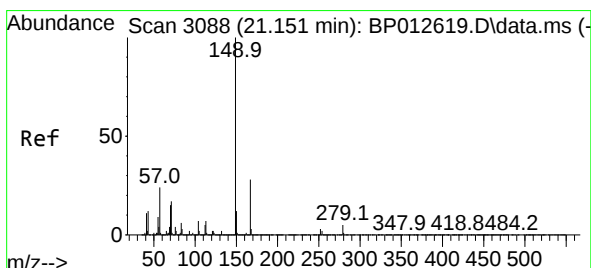
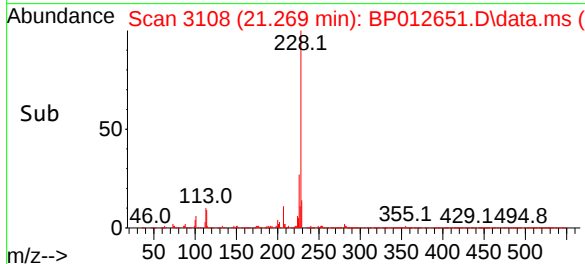
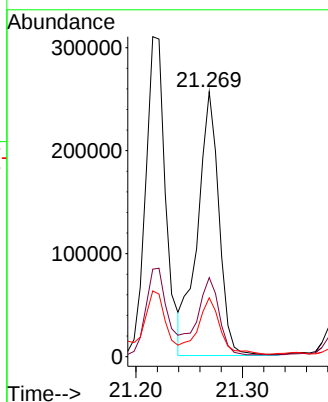
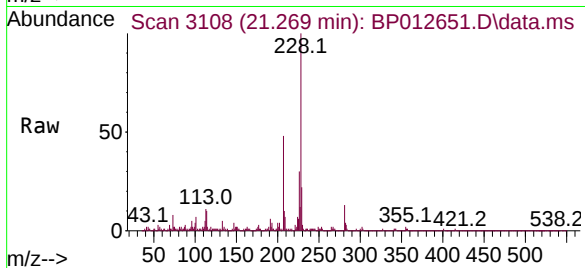
Tgt Ion:	228	Resp:	359018
Ion Ratio	Lower	Upper	
228	100		
226	29.8	24.2	36.4
229	22.2	16.2	24.4

Manual Integrations

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Supervised By :Jagrut Upadhyay 11/15/2022



#84

Bis(2-ethylhexyl)phthalate

Concen: 2.267 ng

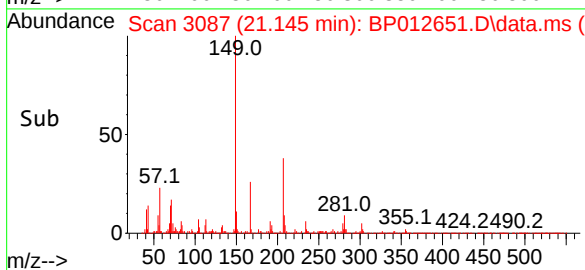
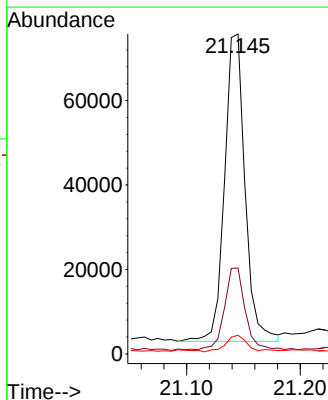
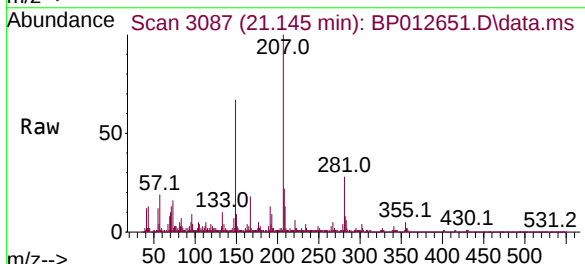
RT: 21.145 min Scan# 3087

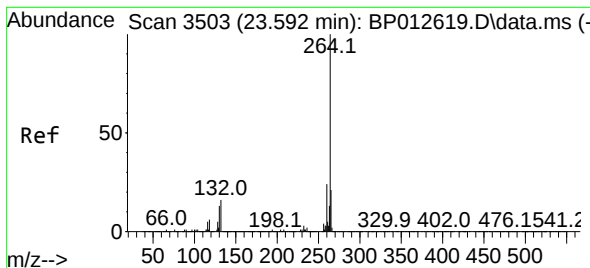
Delta R.T. 0.000 min

Lab File: BP012651.D

Acq: 14 Nov 2022 15:03

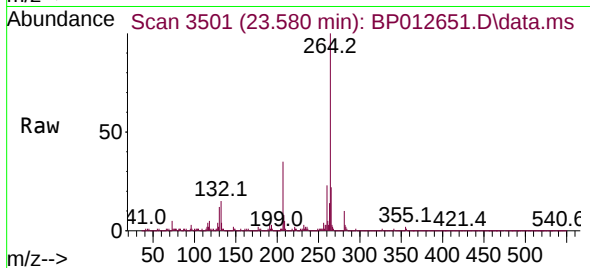
Tgt Ion:	149	Resp:	91227
Ion Ratio	Lower	Upper	
149	100		
167	26.8	22.1	33.1
279	5.8	3.7	5.5





#86
Perylene-d12
Concen: 20.000 ng
RT: 23.580 min Scan# 3503
Delta R.T. 0.000 min
Lab File: BP012651.D
Acq: 14 Nov 2022 15:03

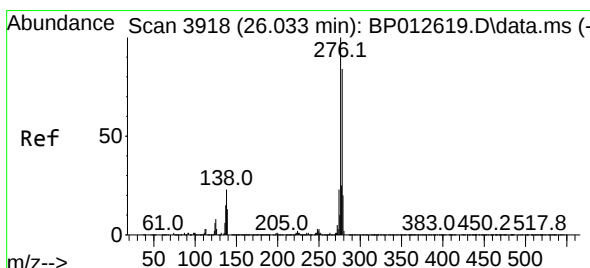
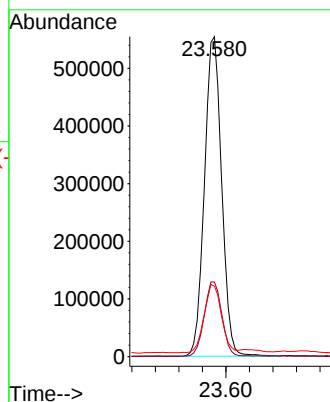
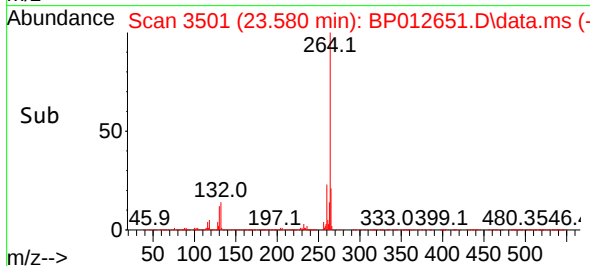
Instrument :
BNA_P
ClientSampleId :
NMS-SOIL-1108



Tgt Ion:264 Resp: 1126920
Ion Ratio Lower Upper
264 100
260 23.3 18.9 28.3
265 22.0 17.8 26.8

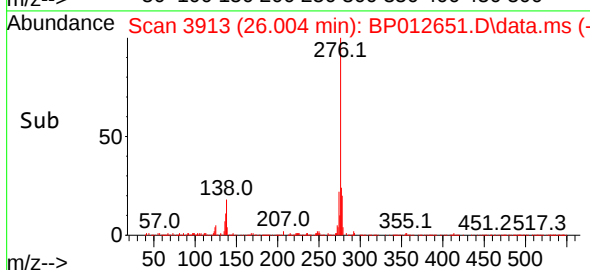
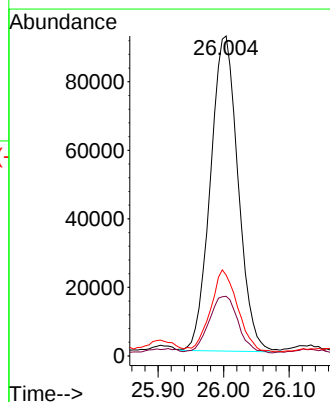
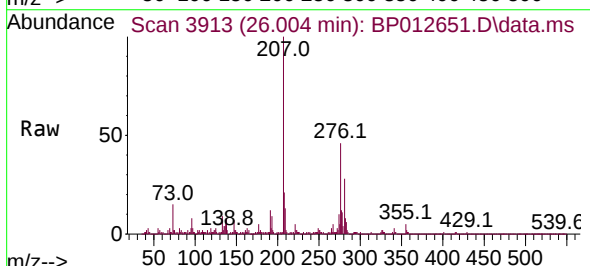
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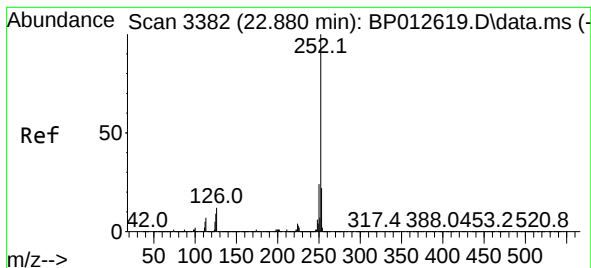
Reviewed By :Christian Giraldo 11/15/2022
Supervised By :Jagrut Upadhyay 11/15/2022



#87
Indeno(1,2,3-cd)pyrene
Concen: 3.382 ng
RT: 26.004 min Scan# 3913
Delta R.T. -0.012 min
Lab File: BP012651.D
Acq: 14 Nov 2022 15:03

Tgt Ion:276 Resp: 270061
Ion Ratio Lower Upper
276 100
138 18.9 18.6 27.8
277 25.5 20.2 30.4





#88

Benzo(b)fluoranthene

Concen: 6.761 ng m

RT: 22.863 min Scan# 3382

Delta R.T. -0.006 min

Lab File: BP012651.D

Acq: 14 Nov 2022 15:03

Instrument :

BNA_P

ClientSampleId :

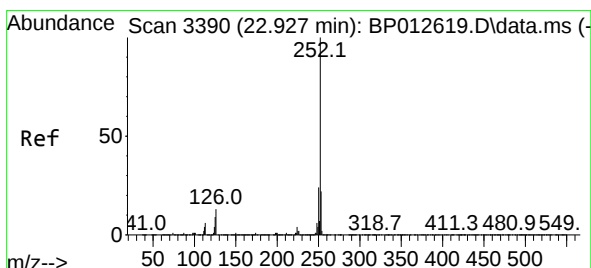
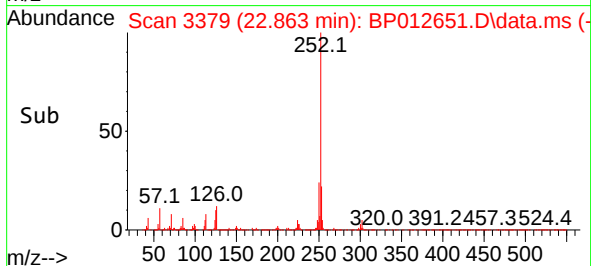
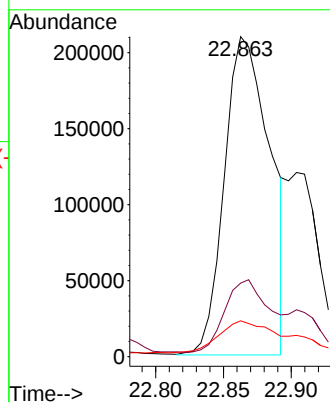
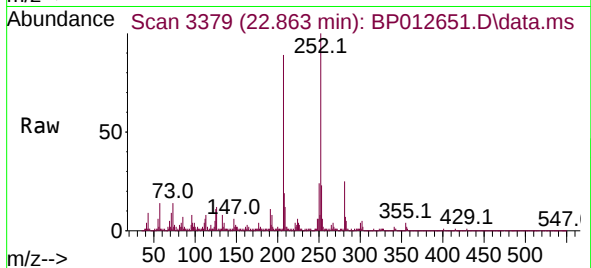
NMS-SOIL-1108

Tgt Ion:252 Resp: 490169
 Ion Ratio Lower Upper
 252 100
 253 23.0 17.8 26.6
 125 11.2 7.6 11.4

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 Supervised By :Jagrut Upadhyay 11/15/2022



#89

Benzo(k)fluoranthene

Concen: 2.801 ng m

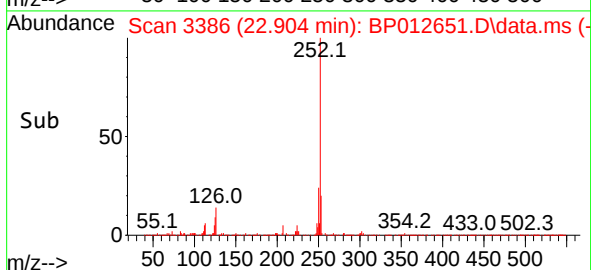
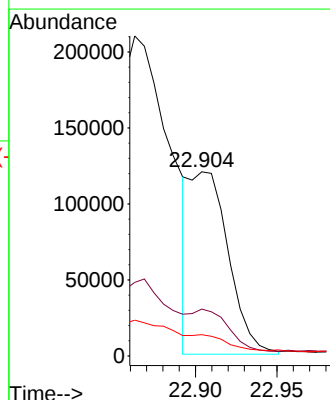
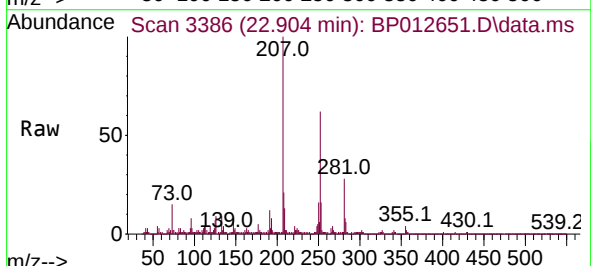
RT: 22.904 min Scan# 3386

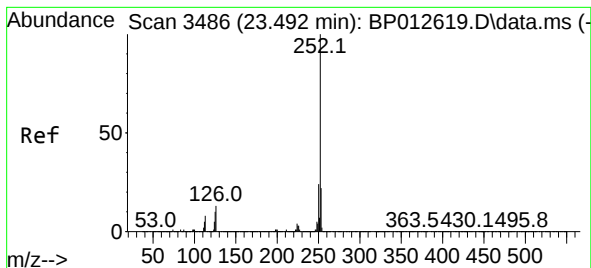
Delta R.T. -0.018 min

Lab File: BP012651.D

Acq: 14 Nov 2022 15:03

Tgt Ion:252 Resp: 198135
 Ion Ratio Lower Upper
 252 100
 253 25.4 17.9 26.9
 125 11.5 7.7 11.5





#90

Benzo(a)pyrene

Concen: 6.410 ng

RT: 23.474 min Scan# 3486

Delta R.T. -0.006 min

Lab File: BP012651.D

Acq: 14 Nov 2022 15:03

Instrument :

BNA_P

ClientSampleId :

NMS-SOIL-1108

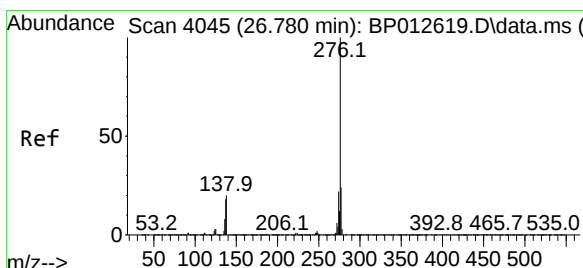
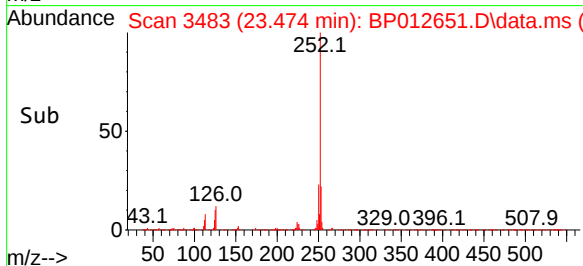
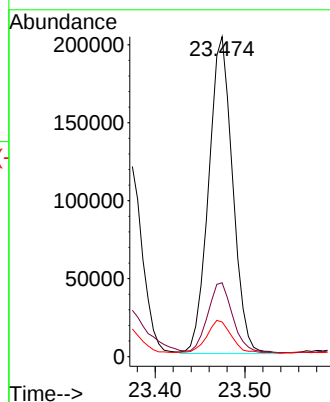
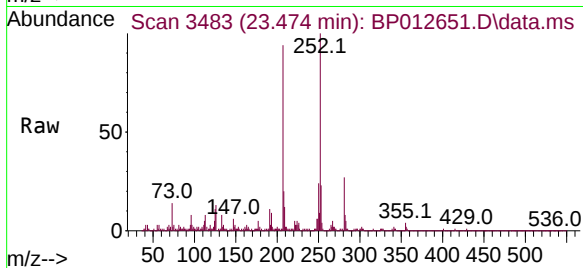
Tgt Ion:	252	Resp:	37949
Ion Ratio	Lower	Upper	
252	100		
253	23.1	17.4	26.0
125	10.8	8.2	12.4

Manual Integrations

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Reviewed By :Christian Giraldo 11/15/2022

Supervised By :Jagrut Upadhyay 11/15/2022



#92

Benzo(g,h,i)perylene

Concen: 4.108 ng

RT: 26.751 min Scan# 4040

Delta R.T. -0.018 min

Lab File: BP012651.D

Acq: 14 Nov 2022 15:03

Tgt Ion:	276	Resp:	267735
Ion Ratio	Lower	Upper	
276	100		
277	25.5	19.4	29.2
138	20.4	16.2	24.4

