

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032624\
 Data File : BM044767.D
 Acq On : 26 Mar 2024 14:11
 Operator : MA/JU
 Sample : P1863-02
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SOIL-PILE-COMP

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 03/27/2024
 Supervised By :mohammad ahmed 03/28/2024

Quant Time: Mar 26 14:39:33 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031324.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 14 02:28:24 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.686	152	141320	20.000	ng	-0.02
21) Naphthalene-d8	10.463	136	550476	20.000	ng	-0.02
39) Acenaphthene-d10	14.333	164	313440	20.000	ng	-0.02
64) Phenanthrene-d10	17.092	188	608520	20.000	ng	-0.01
76) Chrysene-d12	21.291	240	569662	20.000	ng	-0.01
86) Perylene-d12	23.538	264	692281	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.298	112	803820	81.666	ng	0.00
7) Phenol-d6	6.869	99	1003494	79.248	ng	-0.01
23) Nitrobenzene-d5	8.845	82	614604	53.788	ng	-0.02
42) 2,4,6-Tribromophenol	15.833	330	329322	95.259	ng	-0.01
45) 2-Fluorobiphenyl	12.951	172	1125088	49.435	ng	-0.02
79) Terphenyl-d14	19.733	244	1582511	48.597	ng	-0.01
Target Compounds						Qvalue
71) Phenanthrene	17.133	178	142961	4.251	ng	99
75) Fluoranthene	19.156	202	429054	11.414	ng	98
78) Pyrene	19.521	202	379032	9.078	ng	100
81) Benzo(a)anthracene	21.274	228	198534	5.009	ng	99
83) Chrysene	21.327	228	222772	5.882	ng	97
87) Indeno(1,2,3-cd)pyrene	25.803	276	167354	3.344	ng	95
88) Benzo(b)fluoranthene	22.862	252	316470m	7.779	ng	
89) Benzo(k)fluoranthene	22.903	252	118050m	2.823	ng	
90) Benzo(a)pyrene	23.438	252	218939	5.517	ng	96
92) Benzo(g,h,i)perylene	26.491	276	166578	4.011	ng	96

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

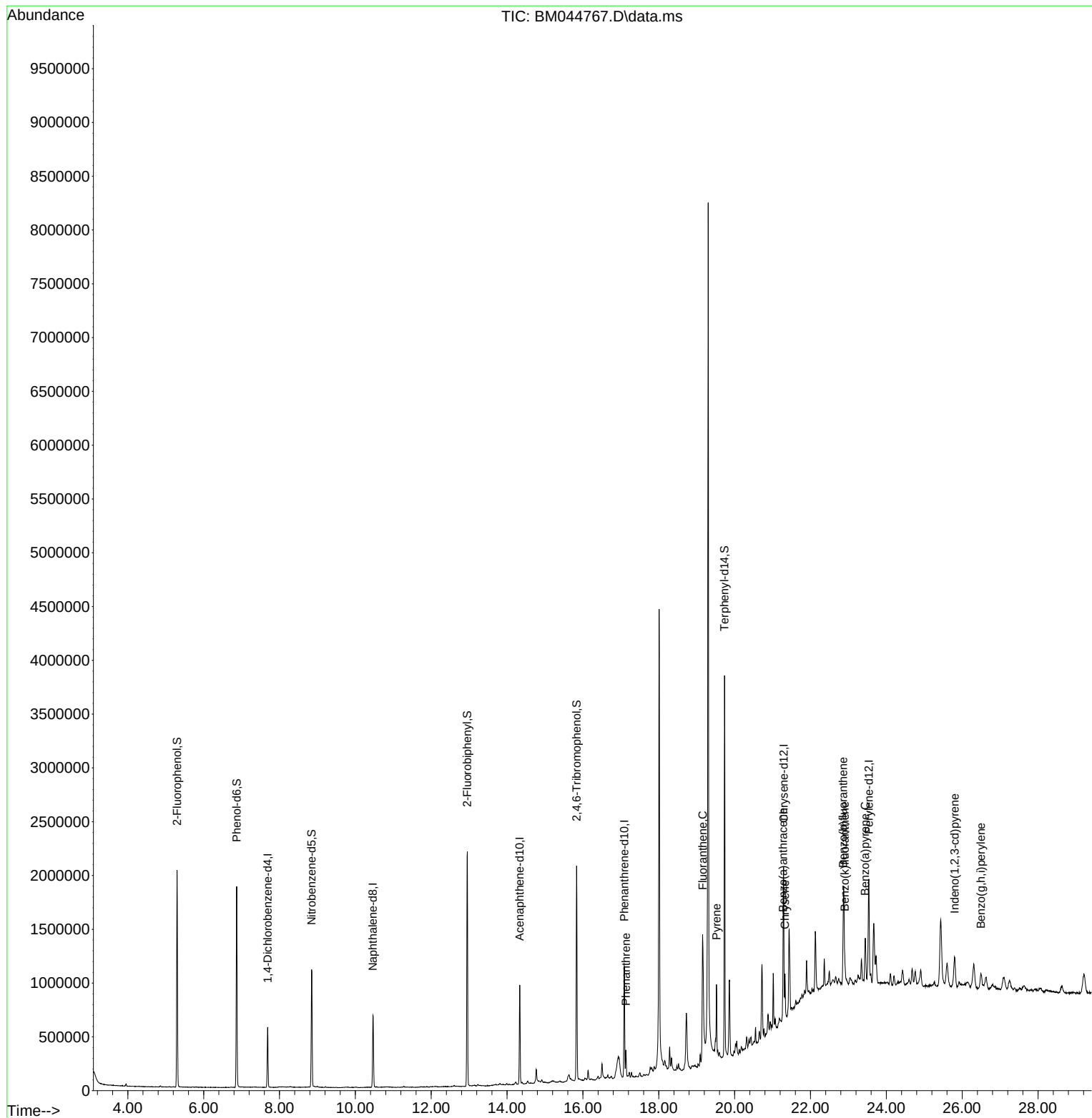
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Data File : BM044767.D
Acq On : 26 Mar 2024 14:11
Operator : MA/JU
Sample : P1863-02
Misc :
ALS Vial : 5 Sample Multiplier: 1

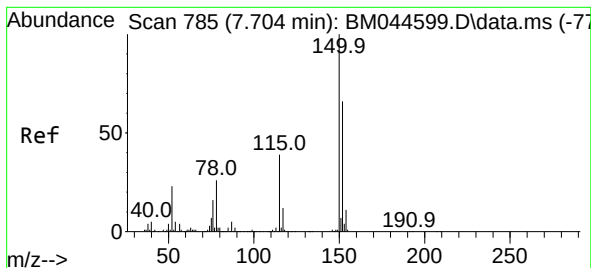
Instrument :
BNA_M
ClientSampleId :
SOIL-PILE-COMP

Quant Time: Mar 26 14:39:33 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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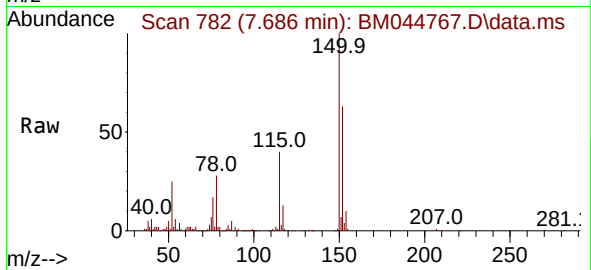
Reviewed By :Jagrut Upadhyay 03/27/2024
Supervised By :mohammad ahmed 03/28/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.686 min Scan# 77
Delta R.T. -0.018 min
Lab File: BM044767.D
Acq: 26 Mar 2024 14:11

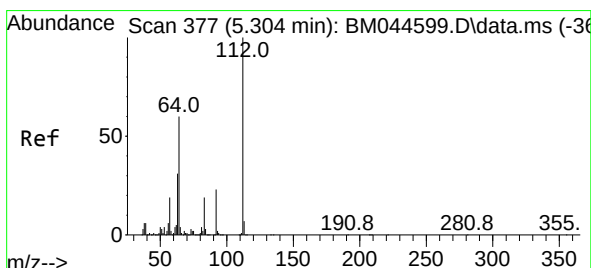
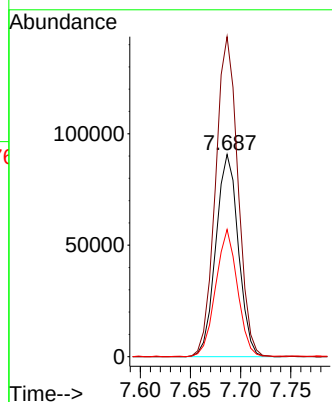
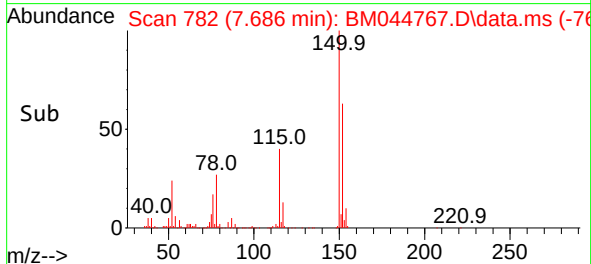
Instrument :
BNA_M
ClientSampleId :
SOIL-PILE-COMP



Tgt Ion:152 Resp: 141320
Ion Ratio Lower Upper
152 100
150 158.3 121.9 182.9
115 62.9 47.1 70.7

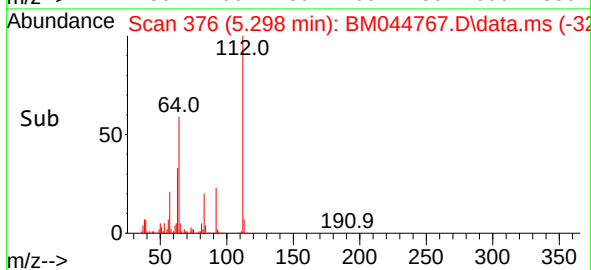
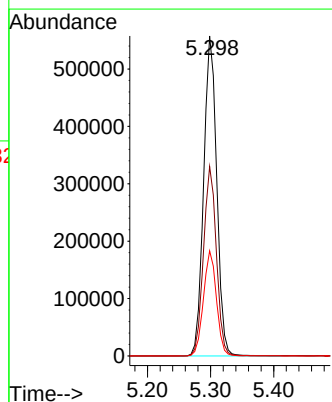
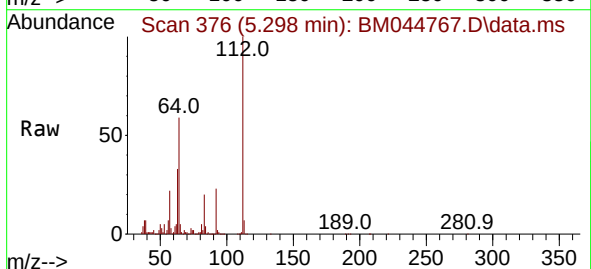
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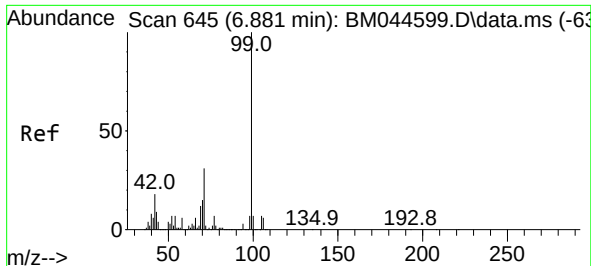
Reviewed By :Jagrut Upadhyay 03/27/2024
Supervised By :mohammad ahmed 03/28/2024



#5
2-Fluorophenol
Concen: 81.666 ng
RT: 5.298 min Scan# 376
Delta R.T. -0.006 min
Lab File: BM044767.D
Acq: 26 Mar 2024 14:11

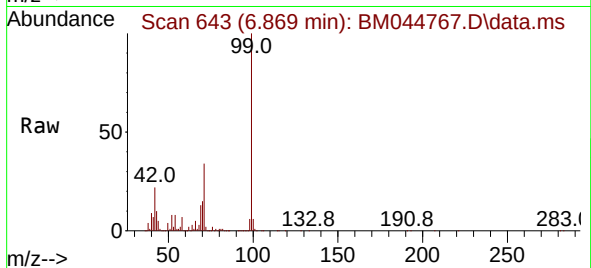
Tgt Ion:112 Resp: 803820
Ion Ratio Lower Upper
112 100
64 59.2 47.9 71.9
63 32.9 25.0 37.4





#7
Phenol-d6
Concen: 79.248 ng
RT: 6.869 min Scan# 645
Delta R.T. -0.012 min
Lab File: BM044767.D
Acq: 26 Mar 2024 14:11

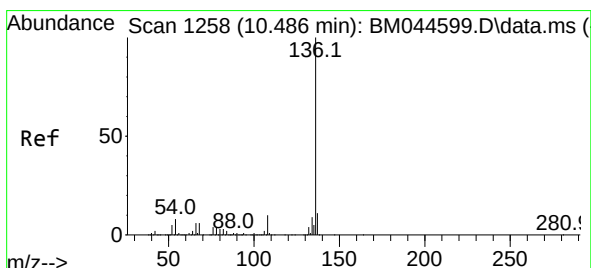
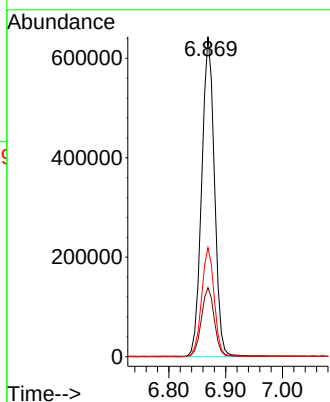
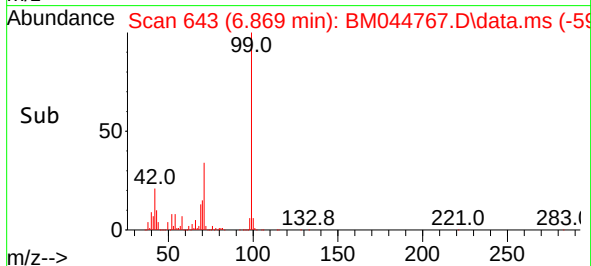
Instrument :
BNA_M
ClientSampleId :
SOIL-PILE-COMP



Tgt Ion: 99 Resp: 1003494
Ion Ratio Lower Upper
99 100
42 21.5 14.3 21.5
71 34.1 24.5 36.7

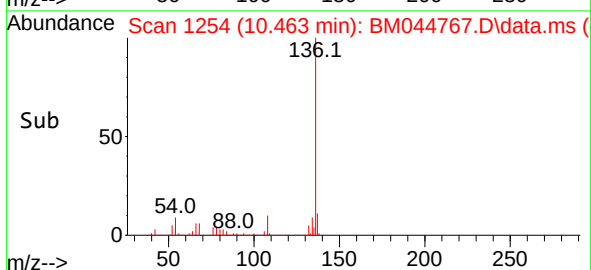
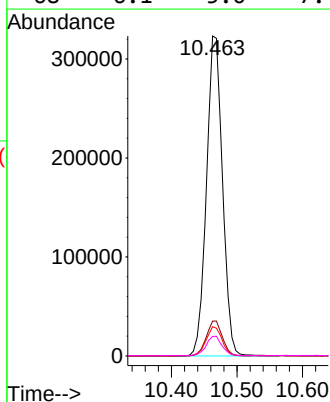
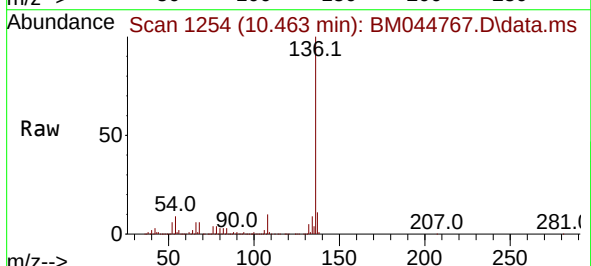
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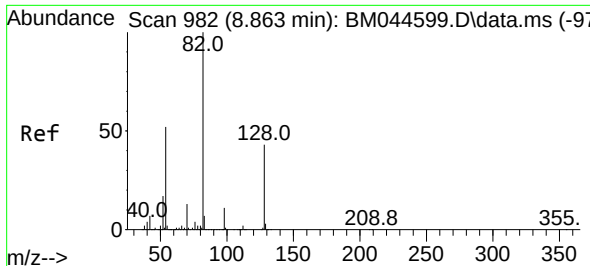
Reviewed By :Jagrut Upadhyay 03/27/2024
Supervised By :mohammad ahmed 03/28/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.463 min Scan# 1254
Delta R.T. -0.024 min
Lab File: BM044767.D
Acq: 26 Mar 2024 14:11

Tgt Ion:136 Resp: 550476
Ion Ratio Lower Upper
136 100
137 10.9 8.9 13.3
54 9.2 6.6 10.0
68 6.1 5.0 7.4





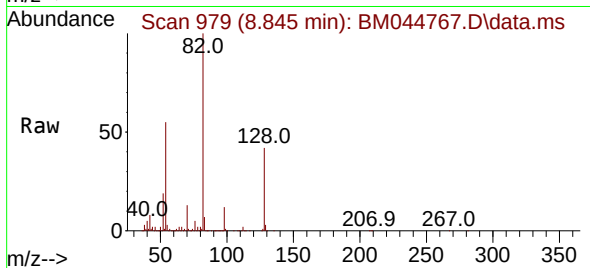
#23
Nitrobenzene-d5
Concen: 53.788 ng
RT: 8.845 min Scan# 91
Delta R.T. -0.018 min
Lab File: BM044767.D
Acq: 26 Mar 2024 14:11

Instrument :

BNA_M

ClientSampleId :

SOIL-PILE-COMP

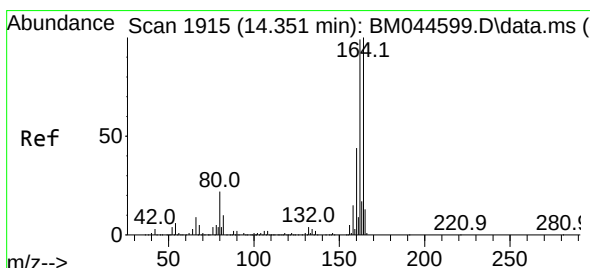
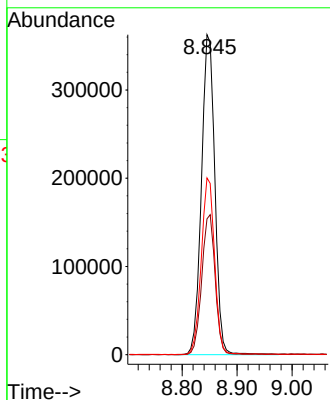
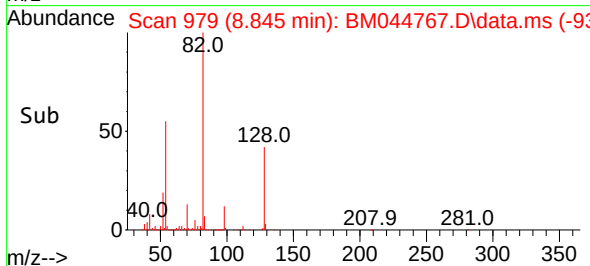


Tgt Ion: 82 Resp: 614604
Ion Ratio Lower Upper
82 100
128 42.4 34.2 51.4
54 55.2 41.3 61.9

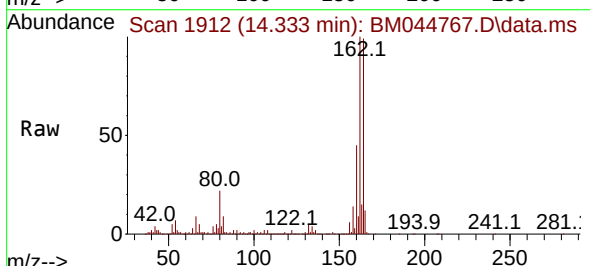
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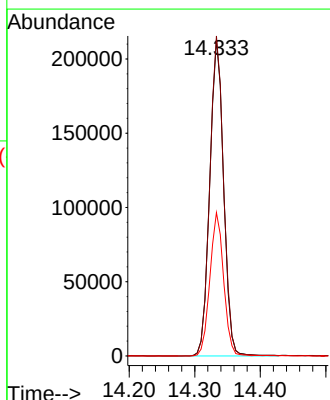
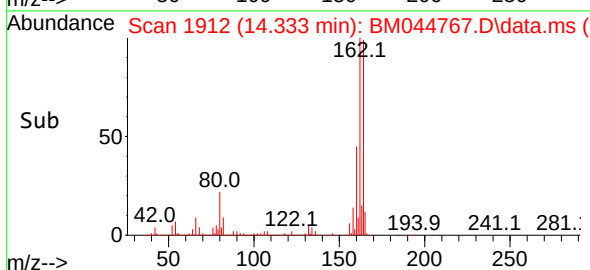
Reviewed By :Jagrut Upadhyay 03/27/2024
Supervised By :mohammad ahmed 03/28/2024

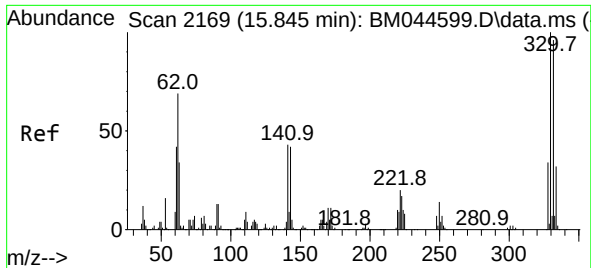


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.333 min Scan# 1912
Delta R.T. -0.018 min
Lab File: BM044767.D
Acq: 26 Mar 2024 14:11



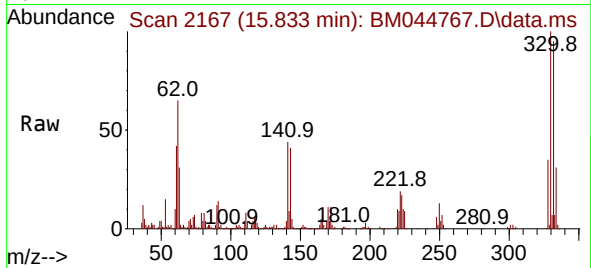
Tgt Ion:164 Resp: 313440
Ion Ratio Lower Upper
164 100
162 101.2 79.3 118.9
160 45.4 35.2 52.8





#42
2,4,6-Tribromophenol
Concen: 95.259 ng
RT: 15.833 min Scan# 2167
Delta R.T. -0.012 min
Lab File: BM044767.D
Acq: 26 Mar 2024 14:11

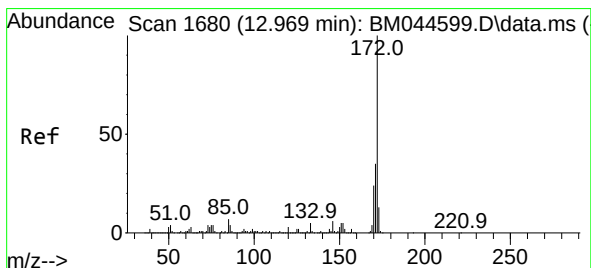
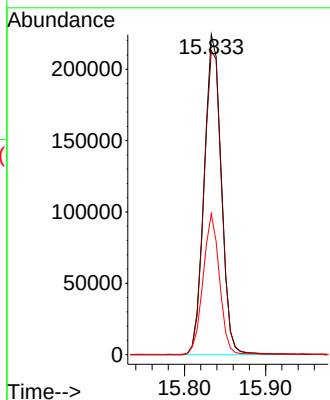
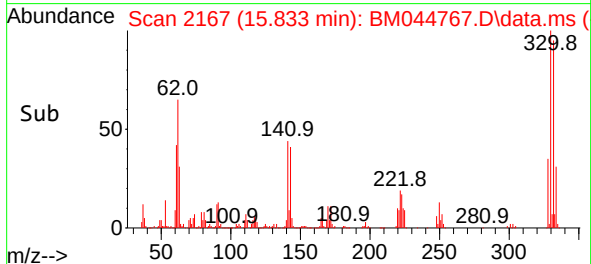
Instrument :
BNA_M
ClientSampleId :
SOIL-PILE-COMP



Tgt Ion:330 Resp: 32932
Ion Ratio Lower Upper
330 100
332 97.4 77.8 116.8
141 41.7 33.4 50.0

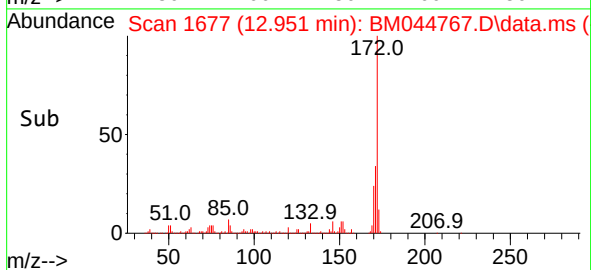
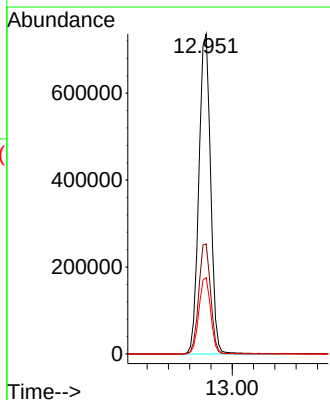
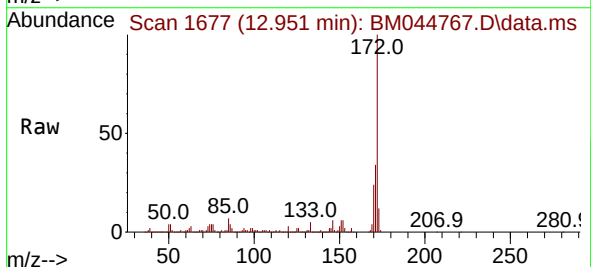
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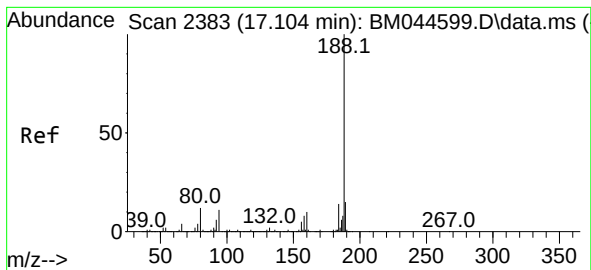
Reviewed By :Jagrut Upadhyay 03/27/2024
Supervised By :mohammad ahmed 03/28/2024



#45
2-Fluorobiphenyl
Concen: 49.435 ng
RT: 12.951 min Scan# 1677
Delta R.T. -0.018 min
Lab File: BM044767.D
Acq: 26 Mar 2024 14:11

Tgt Ion:172 Resp: 1125088
Ion Ratio Lower Upper
172 100
171 34.4 28.2 42.2
170 23.9 19.0 28.6





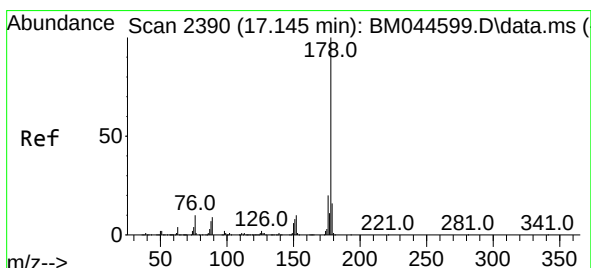
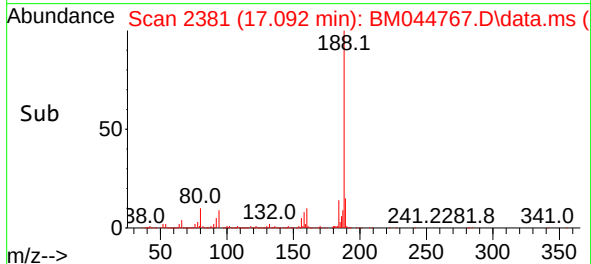
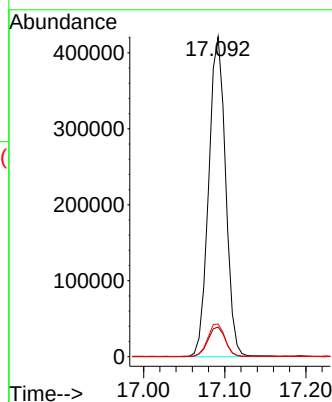
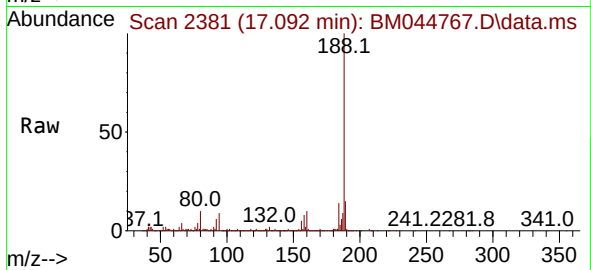
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.092 min Scan# 21
Delta R.T. -0.012 min
Lab File: BM044767.D
Acq: 26 Mar 2024 14:11

Instrument :
BNA_M
ClientSampleId :
SOIL-PILE-COMP

Tgt Ion:188 Resp: 608520
Ion Ratio Lower Upper
188 100
94 9.3 8.4 12.6
80 10.2 9.4 14.0

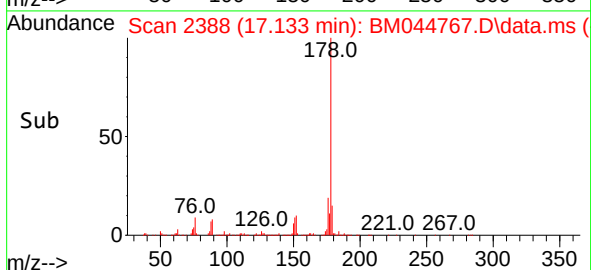
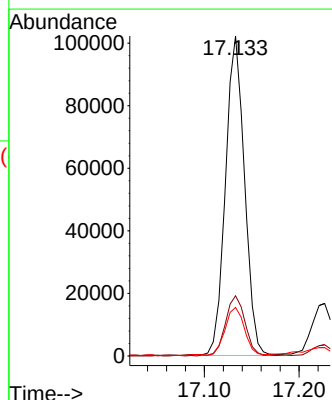
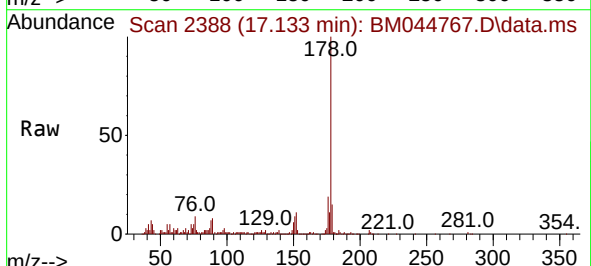
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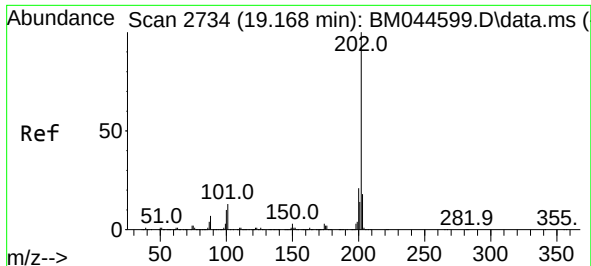
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Supervised By :mohammad ahmed 03/28/2024



#71
Phenanthrene
Concen: 4.251 ng
RT: 17.133 min Scan# 2388
Delta R.T. -0.012 min
Lab File: BM044767.D
Acq: 26 Mar 2024 14:11

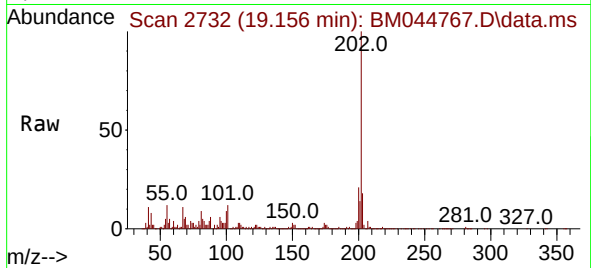
Tgt Ion:178 Resp: 142961
Ion Ratio Lower Upper
178 100
176 18.8 15.7 23.5
179 15.2 12.4 18.6





#75
Fluoranthene
Concen: 11.414 ng
RT: 19.156 min Scan# 21
Delta R.T. -0.012 min
Lab File: BM044767.D
Acq: 26 Mar 2024 14:11

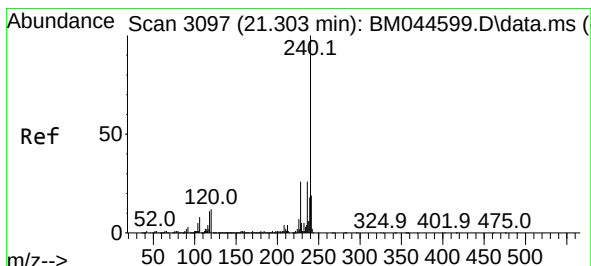
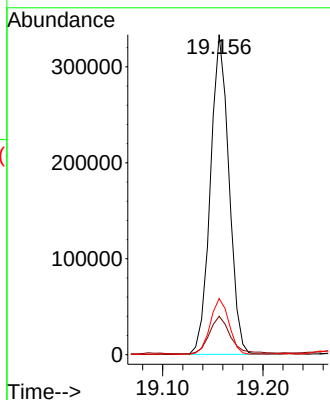
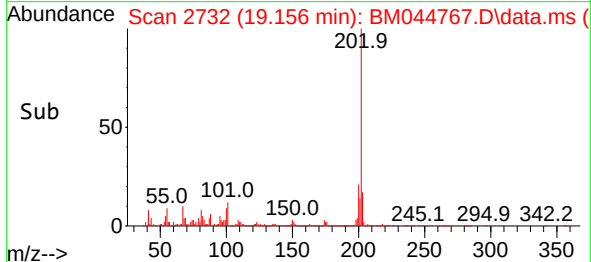
Instrument :
BNA_M
ClientSampleId :
SOIL-PILE-COMP



Tgt Ion:202 Resp: 429054
Ion Ratio Lower Upper
202 100
101 12.0 0.0 33.3
203 17.6 0.0 37.7

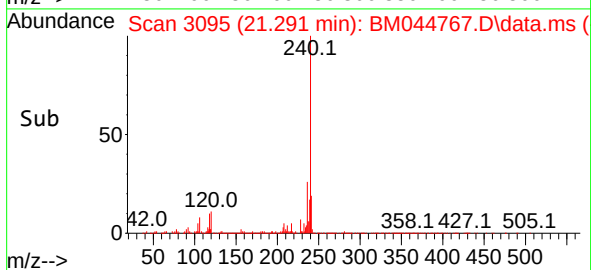
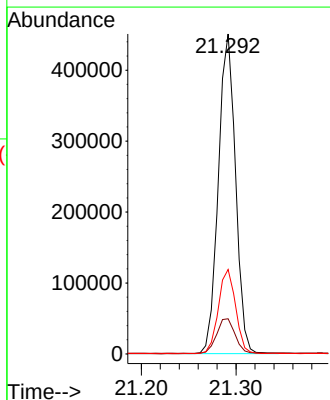
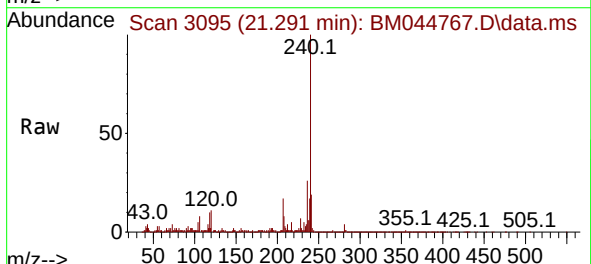
Manual Integrations
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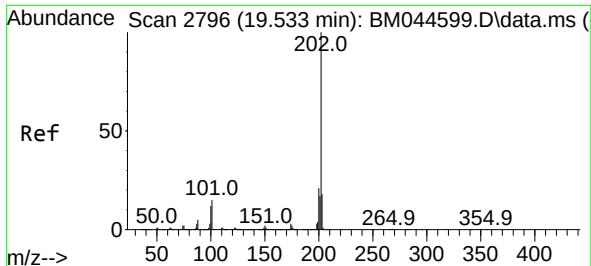
Reviewed By :Jagrut Upadhyay 03/27/2024
Supervised By :mohammad ahmed 03/28/2024



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.291 min Scan# 3095
Delta R.T. -0.012 min
Lab File: BM044767.D
Acq: 26 Mar 2024 14:11

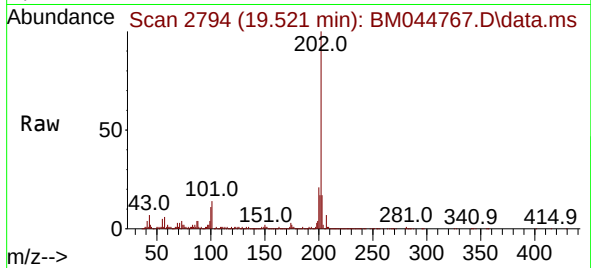
Tgt Ion:240 Resp: 569662
Ion Ratio Lower Upper
240 100
120 11.0 9.7 14.5
236 26.4 21.0 31.4





#78
 Pyrene
 Concen: 9.078 ng
 RT: 19.521 min Scan# 21
 Delta R.T. -0.012 min
 Lab File: BM044767.D
 Acq: 26 Mar 2024 14:11

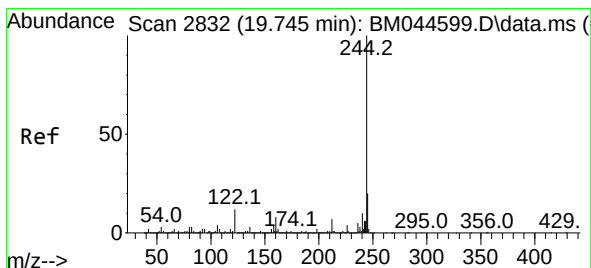
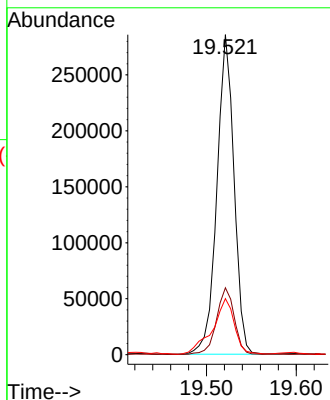
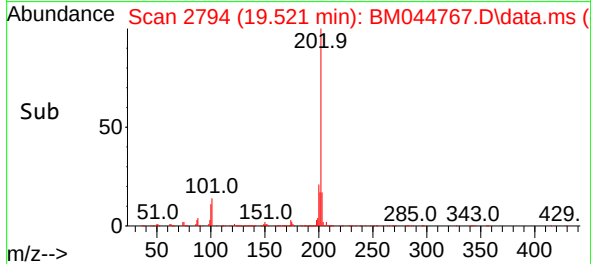
Instrument :
 BNA_M
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 SOIL-PILE-COMP



Tgt Ion:202 Resp: 37903
 Ion Ratio Lower Upper
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 200 20.9 17.0 25.4
 203 17.5 14.1 21.1

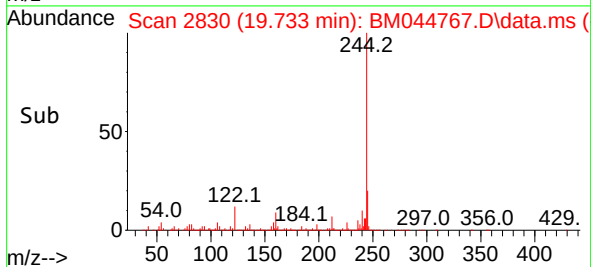
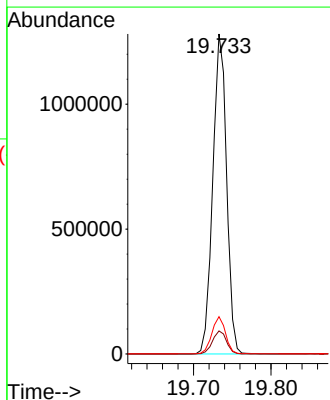
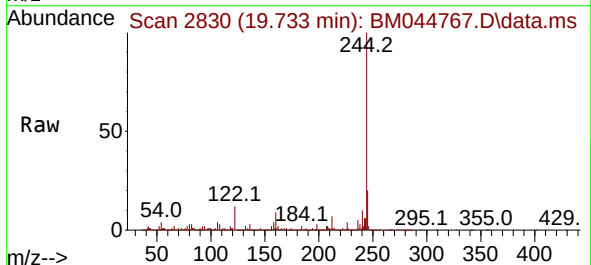
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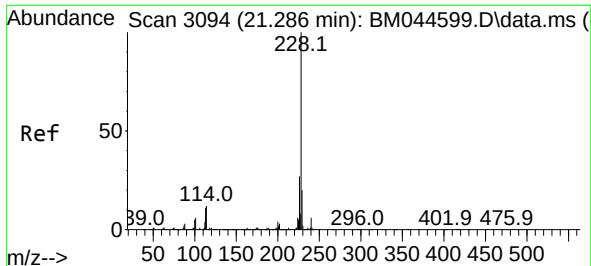
Reviewed By :Jagrut Upadhyay 03/27/2024
 Supervised By :mohammad ahmed 03/28/2024



#79
 Terphenyl-d14
 Concen: 48.597 ng
 RT: 19.733 min Scan# 2830
 Delta R.T. -0.012 min
 Lab File: BM044767.D
 Acq: 26 Mar 2024 14:11

Tgt Ion:244 Resp: 1582511
 Ion Ratio Lower Upper
 244 100
 212 7.2 5.5 8.3
 122 11.7 9.7 14.5





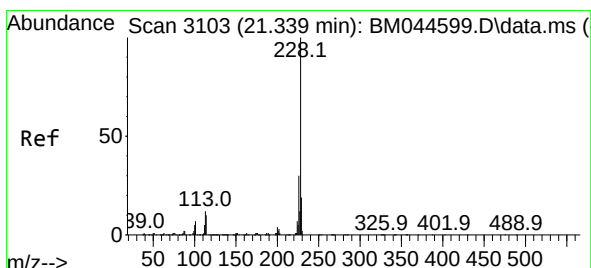
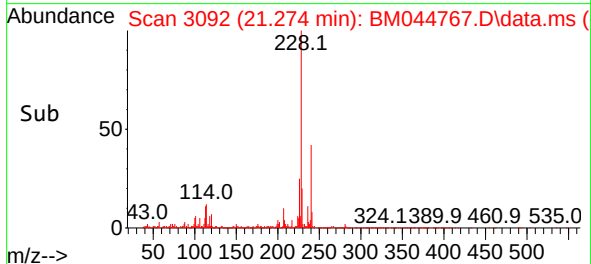
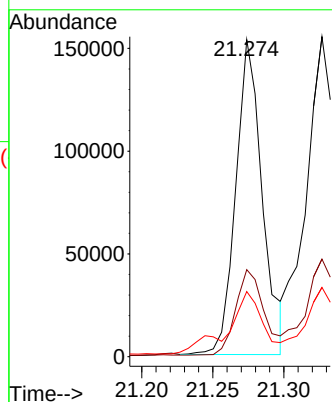
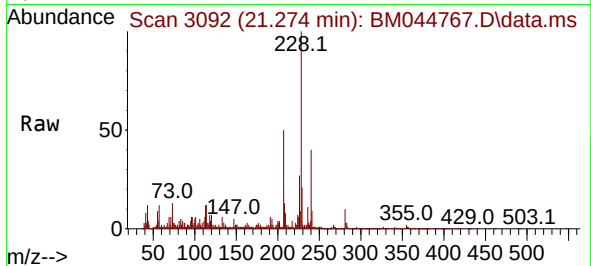
#81
Benzo(a)anthracene
Concen: 5.009 ng
RT: 21.274 min Scan# 3092
Delta R.T. -0.012 min
Lab File: BM044767.D
Acq: 26 Mar 2024 14:11

Instrument :
BNA_M
ClientSampleId :
SOIL-PILE-COMP

Tgt Ion:228 Resp: 198534
Ion Ratio Lower Upper
228 100
226 27.5 21.9 32.9
229 20.5 15.9 23.9

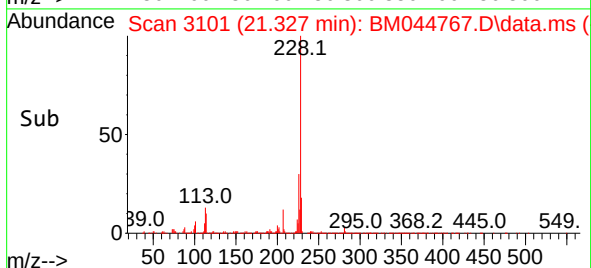
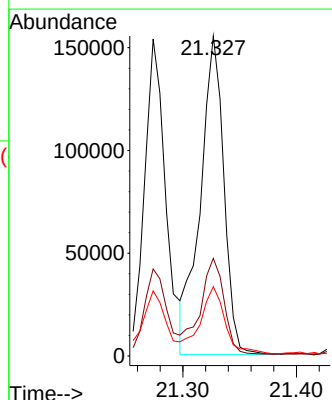
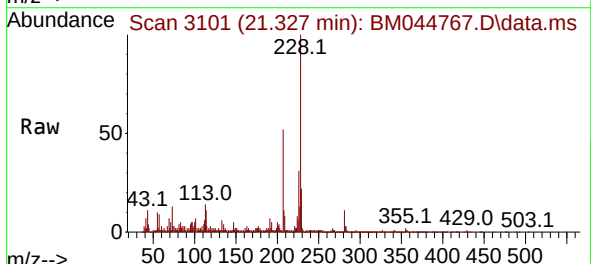
Manual Integrations
APPROVED

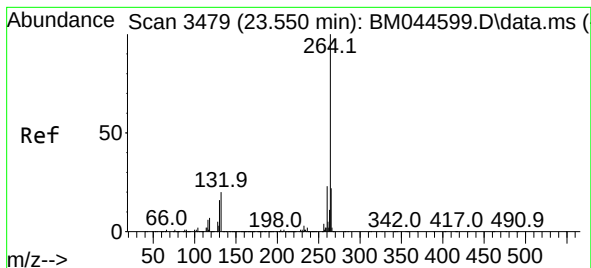
Reviewed By :Jagrut Upadhyay 03/27/2024
Supervised By :mohammad ahmed 03/28/2024



#83
Chrysene
Concen: 5.882 ng
RT: 21.327 min Scan# 3101
Delta R.T. -0.012 min
Lab File: BM044767.D
Acq: 26 Mar 2024 14:11

Tgt Ion:228 Resp: 222772
Ion Ratio Lower Upper
228 100
226 30.5 23.6 35.4
229 21.7 15.5 23.3





#86

Perylene-d12

Concen: 20.000 ng

RT: 23.538 min Scan# 34

Delta R.T. -0.012 min

Lab File: BM044767.D

Acq: 26 Mar 2024 14:11

Instrument :

BNA_M

ClientSampleId :

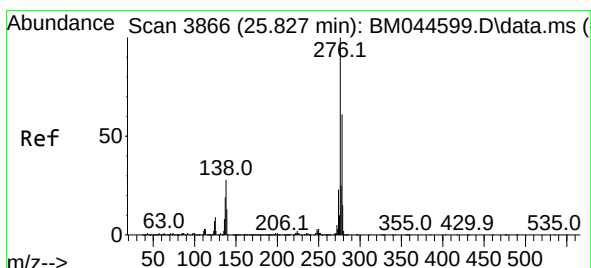
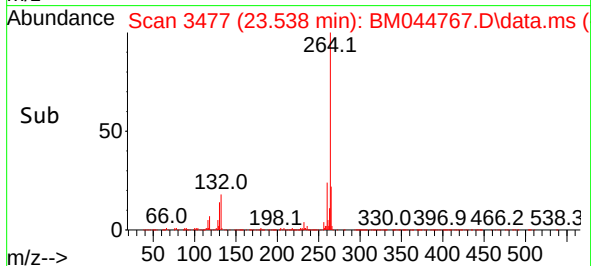
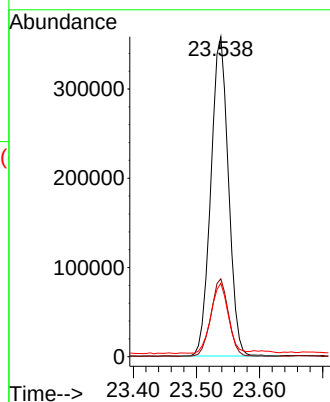
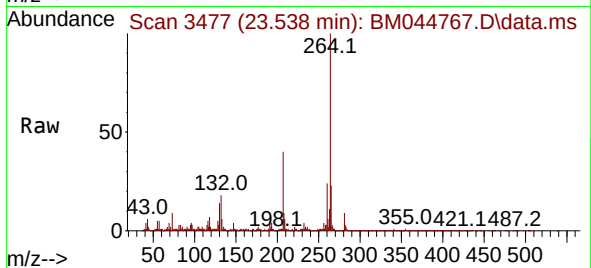
SOIL-PILE-COMP

Tgt Ion:	264	Resp:	69228
Ion Ratio	Lower	Upper	
264	100		
260	24.4	18.3	27.5
265	22.9	17.5	26.3

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 03/27/2024
Supervised By :mohammad ahmed 03/28/2024



#87

Indeno(1,2,3-cd)pyrene

Concen: 3.344 ng

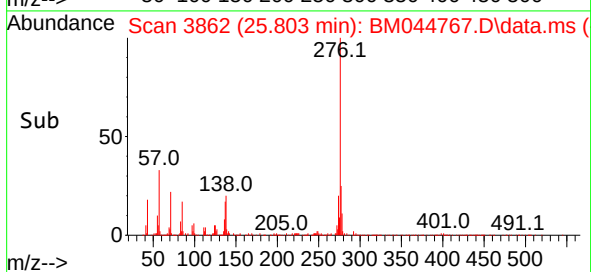
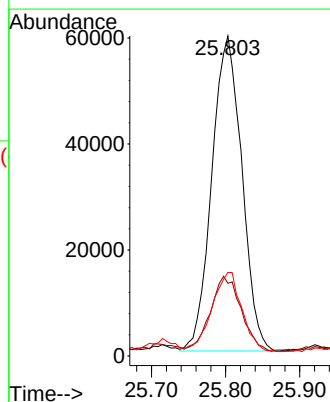
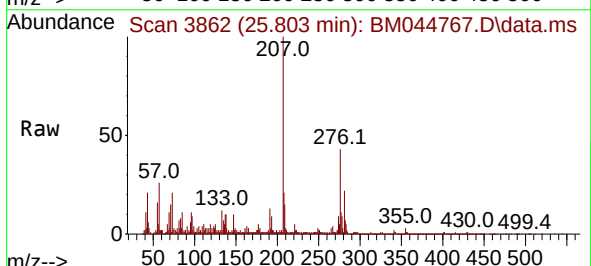
RT: 25.803 min Scan# 3862

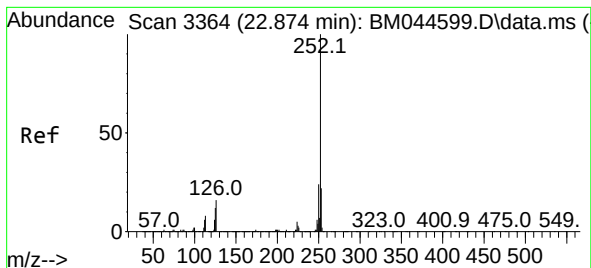
Delta R.T. -0.024 min

Lab File: BM044767.D

Acq: 26 Mar 2024 14:11

Tgt Ion:	276	Resp:	167354
Ion Ratio	Lower	Upper	
276	100		
138	24.4	23.6	35.4
277	25.2	20.2	30.2





#88

Benzo(b)fluoranthene

Concen: 7.779 ng m

RT: 22.862 min Scan# 31

Delta R.T. -0.012 min

Lab File: BM044767.D

Acq: 26 Mar 2024 14:11

Instrument :

BNA_M

ClientSampleId :

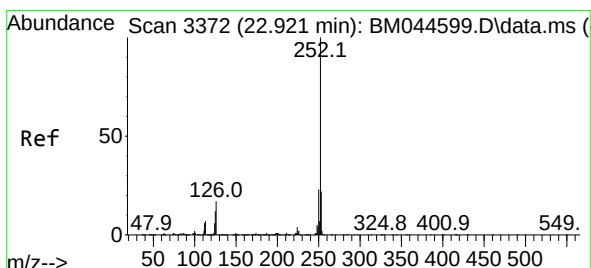
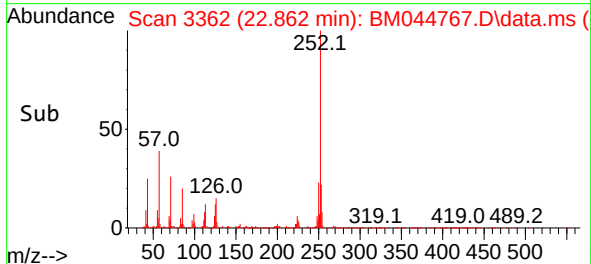
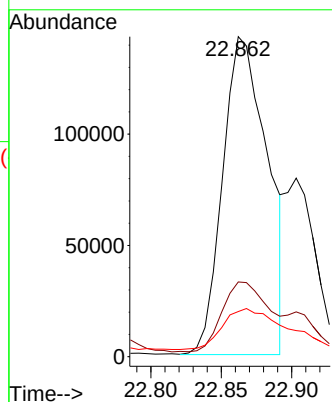
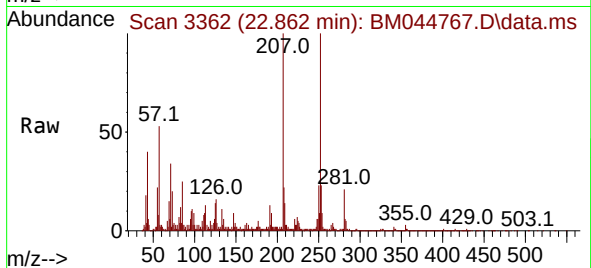
SOIL-PILE-COMP

Tgt Ion:252 Resp: 316470
 Ion Ratio Lower Upper
 252 100
 253 23.3 17.8 26.8
 125 14.1 9.6 14.4

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 03/27/2024
 Supervised By :mohammad ahmed 03/28/2024



#89

Benzo(k)fluoranthene

Concen: 2.823 ng m

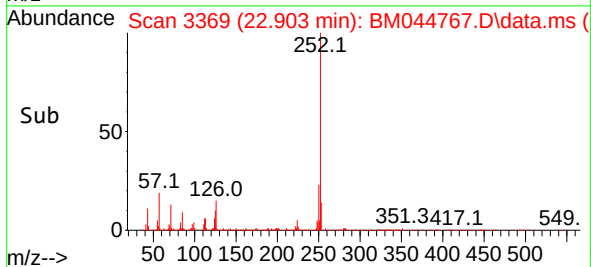
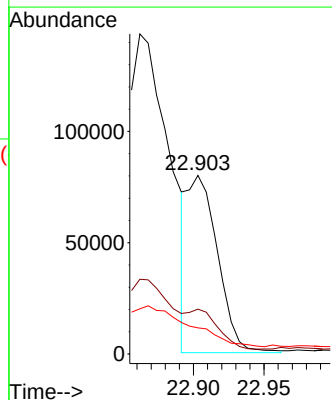
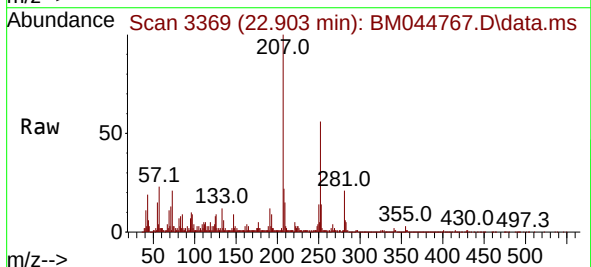
RT: 22.903 min Scan# 3369

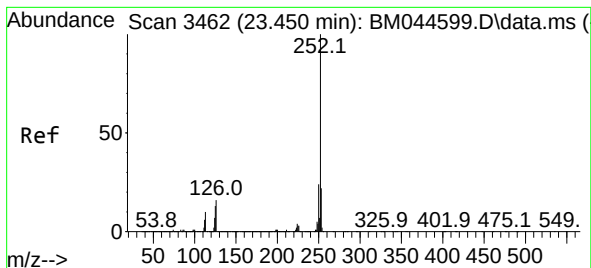
Delta R.T. -0.018 min

Lab File: BM044767.D

Acq: 26 Mar 2024 14:11

Tgt Ion:252 Resp: 118050
 Ion Ratio Lower Upper
 252 100
 253 25.1 17.6 26.4
 125 14.6 9.4 14.0#





#90

Benzo(a)pyrene

Concen: 5.517 ng

RT: 23.438 min Scan# 34

Delta R.T. -0.012 min

Lab File: BM044767.D

Acq: 26 Mar 2024 14:11

Instrument :

BNA_M

ClientSampleId :

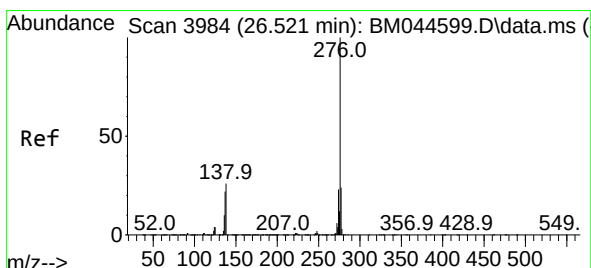
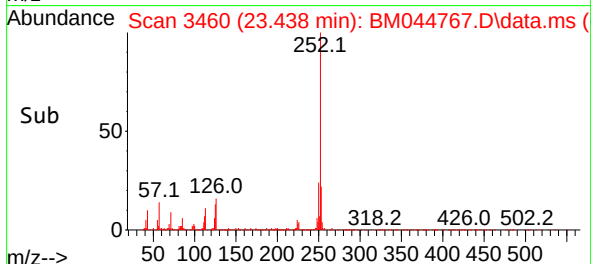
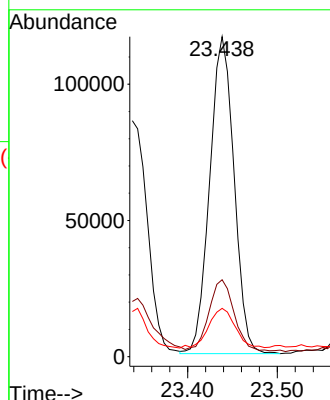
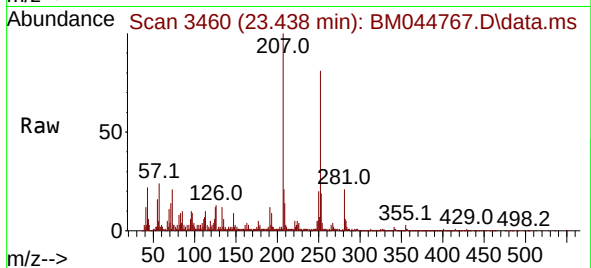
SOIL-PILE-COMP

Tgt Ion:	252	Resp:	218939
Ion Ratio	Lower	Upper	
252	100		
253	24.0	17.7	26.5
125	15.1	10.5	15.7

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 03/27/2024
Supervised By :mohammad ahmed 03/28/2024



#92

Benzo(g,h,i)perylene

Concen: 4.011 ng

RT: 26.491 min Scan# 3979

Delta R.T. -0.029 min

Lab File: BM044767.D

Acq: 26 Mar 2024 14:11

Tgt Ion:	276	Resp:	166578
Ion Ratio	Lower	Upper	
276	100		
277	23.0	19.3	28.9
138	22.6	20.7	31.1

