

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM090722\
 Data File : BM036507.D
 Acq On : 07 Sep 2022 12:55
 Operator : CG/JU
 Sample : N3670-04
 Misc : SFAM-SIM-MDL-SOIL-0.07NG
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MDL-SOIL-QT2-2022-04

Quant Time: Sep 07 13:25:27 2022
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-SIM-BM083022.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 06 13:54:00 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 09/08/2022
 Supervised By :mohammad ahmed 09/08/2022

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.750	152	2631	0.400	ng/ul	0.01
4) Naphthalene-d8	10.550	136	11109	0.400	ng/ul	0.02
9) Acenaphthene-d10	14.385	164	5606	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.140	188	9662	0.400	ng/ul	0.02
17) Chrysene-d12	21.324	240	8086	0.400	ng/ul	0.01
23) Perylene-d12	23.613	264	6797	0.400	ng/ul	# 0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.134	96	2922	0.764	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.156	152	4795	0.277	ng/ul	0.03
18) Fluoranthene-d10	19.163	212	8843	0.351	ng/ul	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.172	88	227m	0.063	ng/ul	
5) Naphthalene	10.600	128	2075	0.068	ng/ul#	86
7) 2-Methylnaphthalene	12.233	142	1134	0.061	ng/ul	100
8) 1-Methylnaphthalene	12.436	142	1095	0.058	ng/ul	98
10) Acenaphthylene	14.112	152	1536	0.072	ng/ul#	86
11) Acenaphthene	14.450	153	1317	0.070	ng/ul	97
12) Fluorene	15.463	166	1277	0.061	ng/ul#	93
14) Pentachlorophenol	16.827	266	100	0.057	ng/ul#	87
15) Phenanthrene	17.182	178	2087	0.074	ng/ul#	85
16) Anthracene	17.288	178	1472	0.062	ng/ul#	81
19) Fluoranthene	19.191	202	2273	0.078	ng/ul#	86
20) Pyrene	19.563	202	2408	0.080	ng/ul#	93
21) Benzo(a)anthracene	21.315	228	1432	0.059	ng/ul#	92
22) Chrysene	21.362	228	2065	0.076	ng/ul	95
24) Benzo(b)fluoranthene	22.923	252	1965	0.073	ng/ul#	55
25) Benzo(k)fluoranthene	22.970	252	1743	0.065	ng/ul#	46
26) Benzo(a)pyrene	23.522	252	1848m	0.083	ng/ul	
27) Indeno(1,2,3-cd)pyrene	26.004	276	1762	0.067	ng/ul#	45
28) Dibenzo(a,h)anthracene	26.031	278	1372	0.061	ng/ul#	47
29) Benzo(g,h,i)perylene	26.722	276	1795	0.072	ng/ul#	76

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

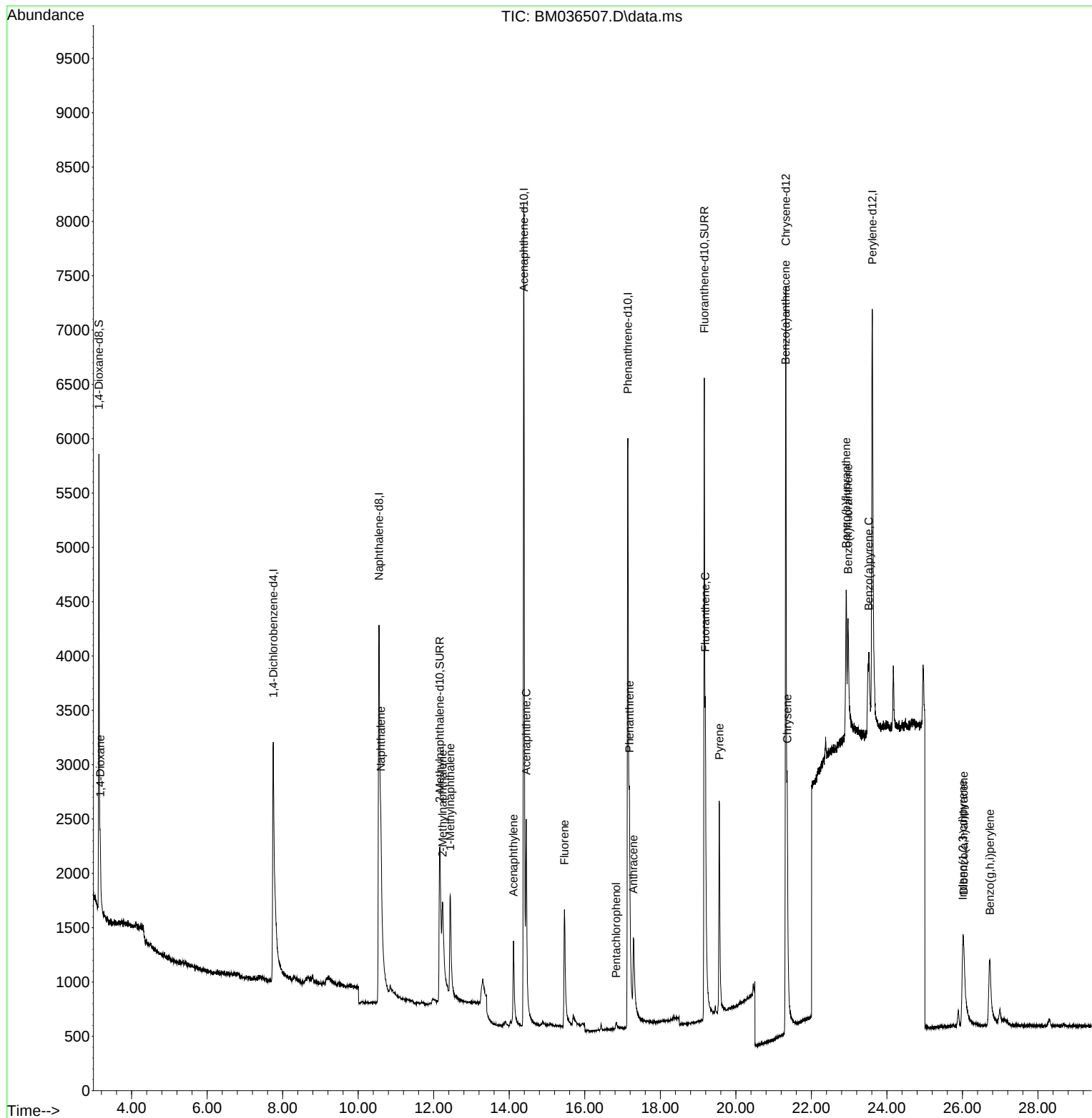
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM090722\
Data File : BM036507.D
Acq On : 07 Sep 2022 12:55
Operator : CG/JU
Sample : N3670-04
Misc : SFAM-SIM-MDL-SOIL-0.07NG
ALS Vial : 6 Sample Multiplier: 1

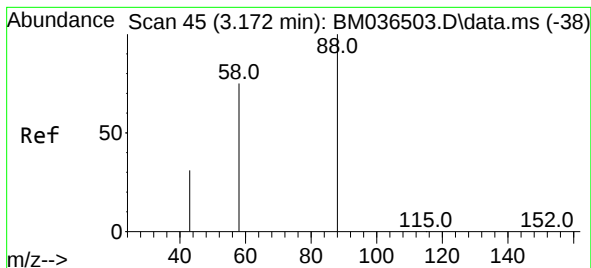
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-QT2-2022-04

Quant Time: Sep 07 13:25:27 2022
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-SIM-BM083022.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Sep 06 13:54:00 2022
Response via : Initial Calibration

Manual Integrations
APPROVED

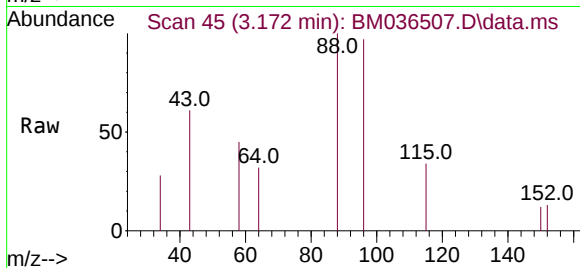
Reviewed By :Jagrut Upadhyay 09/08/2022
Supervised By :mohammad ahmed 09/08/2022





#2
1,4-Dioxane
Concen: 0.063 ng/ul m
RT: 3.172 min Scan# 45
Delta R.T. -0.000 min
Lab File: BM036507.D
Acq: 07 Sep 2022 12:55

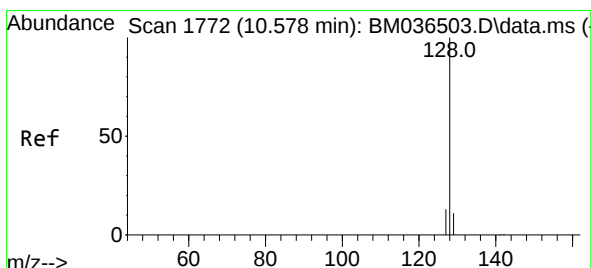
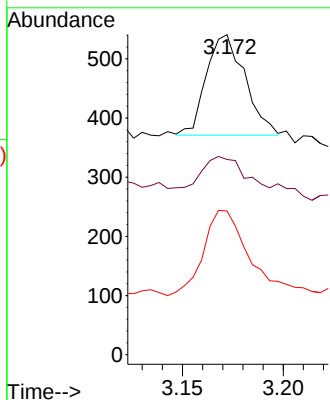
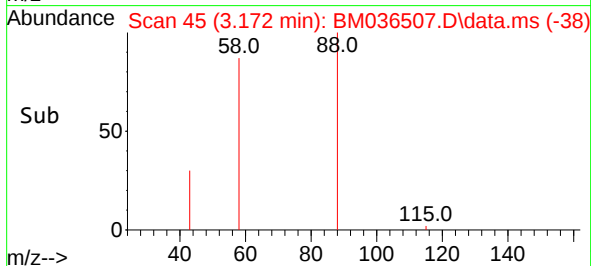
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-QT2-2022-04



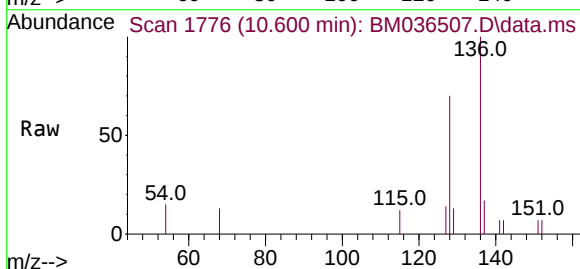
Tgt Ion: 88 Resp: 227
Ion Ratio Lower Upper
88 100
43 61.0 37.8 56.6#
58 44.9 42.6 63.8#

Manual Integrations
APPROVED

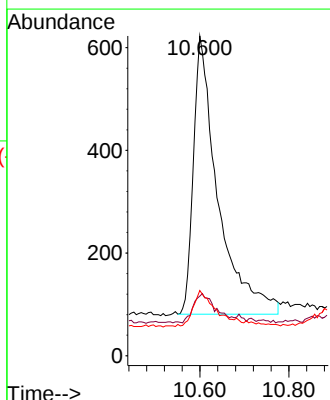
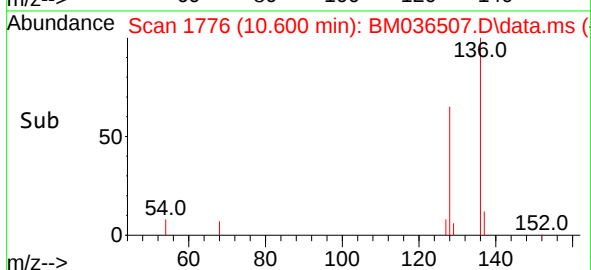
Reviewed By :Jagrut Upadhyay 09/08/2022
Supervised By :mohammad ahmed 09/08/2022

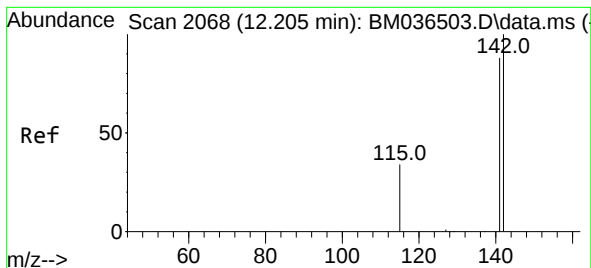


#5
Naphthalene
Concen: 0.068 ng/ul
RT: 10.600 min Scan# 1776
Delta R.T. 0.021 min
Lab File: BM036507.D
Acq: 07 Sep 2022 12:55



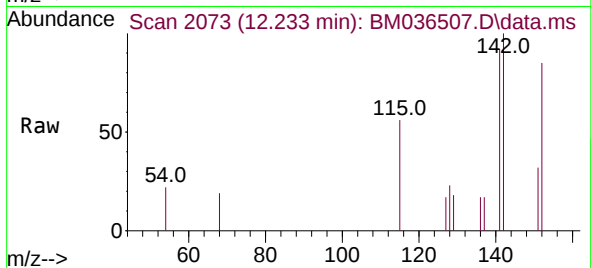
Tgt Ion:128 Resp: 2075
Ion Ratio Lower Upper
128 100
129 18.6 10.2 15.2#
127 20.4 11.7 17.5#





#7
2-Methylnaphthalene
Concen: 0.061 ng/ul
RT: 12.233 min Scan# 2068
Delta R.T. 0.032 min
Lab File: BM036507.D
Acq: 07 Sep 2022 12:55

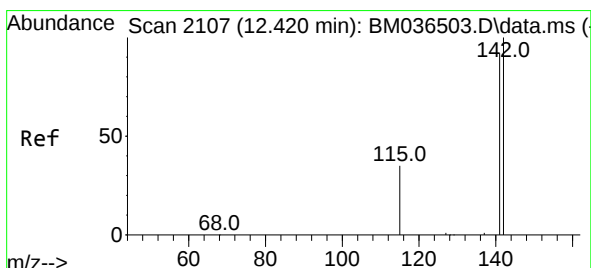
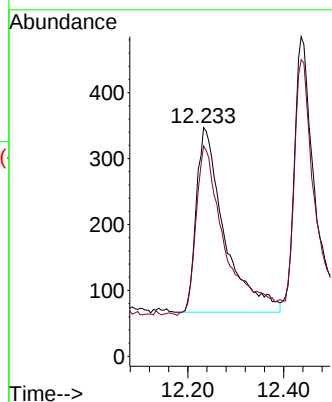
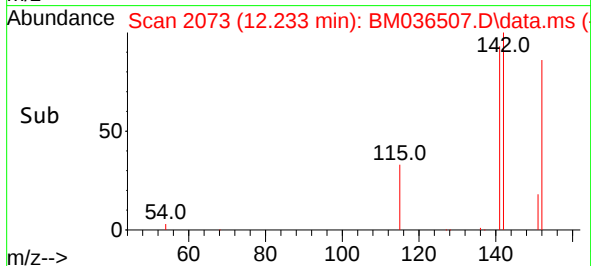
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-QT2-2022-04



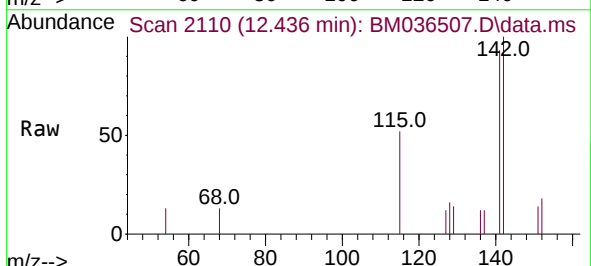
Tgt Ion:142 Resp: 1134
Ion Ratio Lower Upper
142 100
141 97.0 77.4 116.0

Manual Integrations
APPROVED

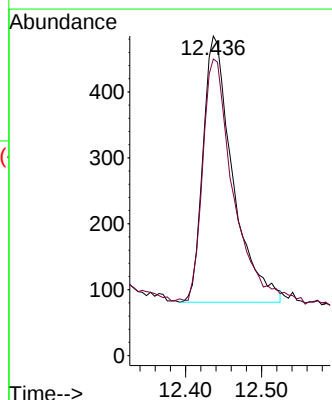
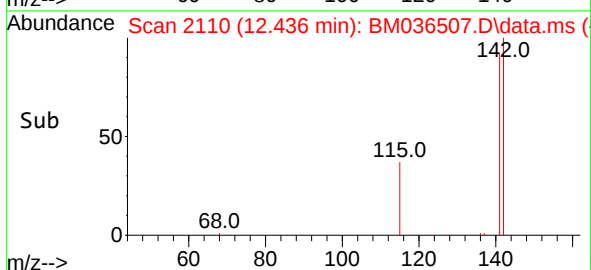
Reviewed By :Jagrut Upadhyay 09/08/2022
Supervised By :mohammad ahmed 09/08/2022

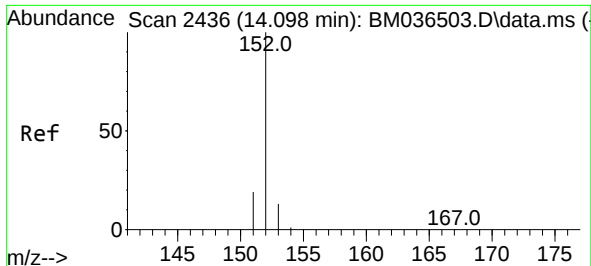


#8
1-Methylnaphthalene
Concen: 0.058 ng/ul
RT: 12.436 min Scan# 2110
Delta R.T. 0.015 min
Lab File: BM036507.D
Acq: 07 Sep 2022 12:55



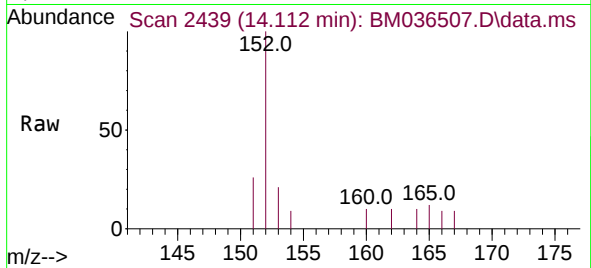
Tgt Ion:142 Resp: 1095
Ion Ratio Lower Upper
142 100
141 90.5 74.1 111.1





#10
Acenaphthylene
Concen: 0.072 ng/ul
RT: 14.112 min Scan# 2436
Delta R.T. 0.008 min
Lab File: BM036507.D
Acq: 07 Sep 2022 12:55

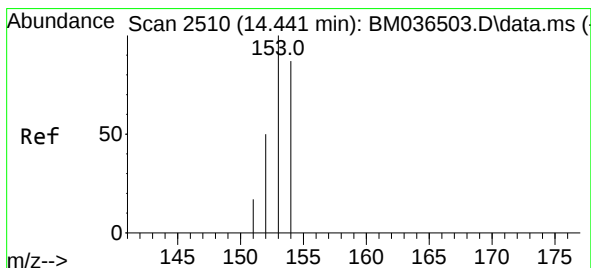
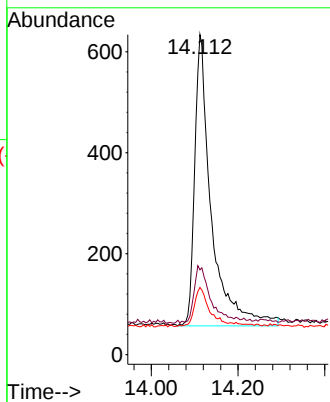
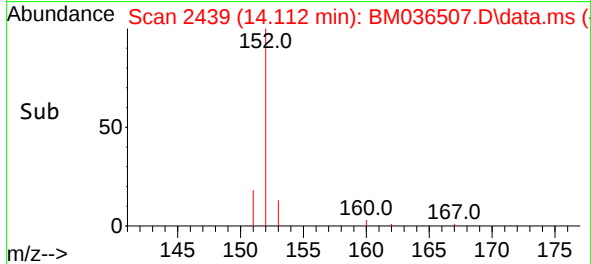
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-QT2-2022-04



Tgt Ion:152 Resp: 1536
Ion Ratio Lower Upper
152 100
151 26.5 16.6 24.8
153 21.0 11.4 17.0

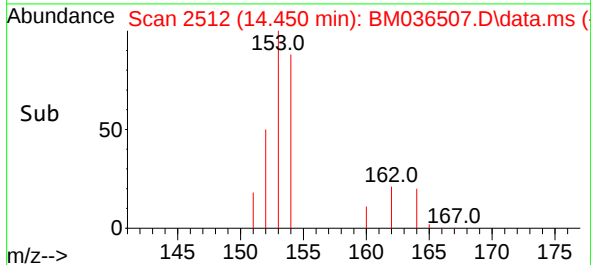
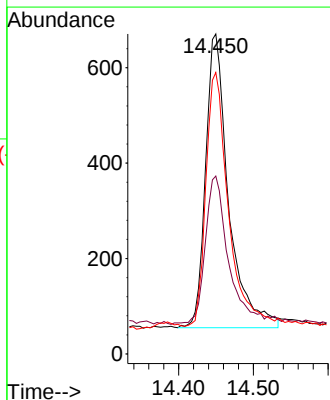
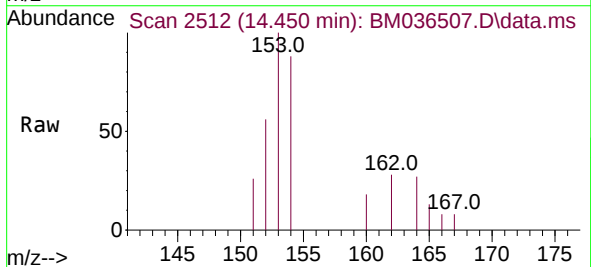
Manual Integrations
APPROVED

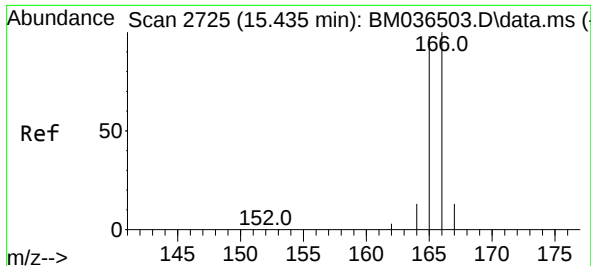
Reviewed By :Jagrut Upadhyay 09/08/2022
Supervised By :mohammad ahmed 09/08/2022



#11
Acenaphthene
Concen: 0.070 ng/ul
RT: 14.450 min Scan# 2512
Delta R.T. 0.008 min
Lab File: BM036507.D
Acq: 07 Sep 2022 12:55

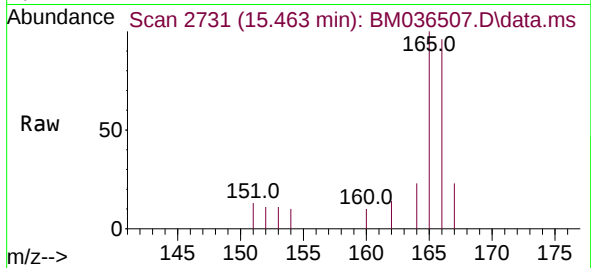
Tgt Ion:153 Resp: 1317
Ion Ratio Lower Upper
153 100
152 55.6 40.2 60.4
154 87.9 69.7 104.5





#12
Fluorene
Concen: 0.061 ng/ul
RT: 15.463 min Scan# 21
Delta R.T. 0.031 min
Lab File: BM036507.D
Acq: 07 Sep 2022 12:55

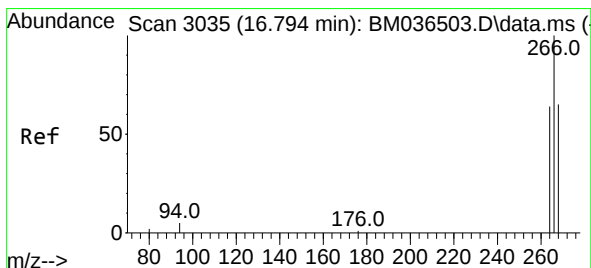
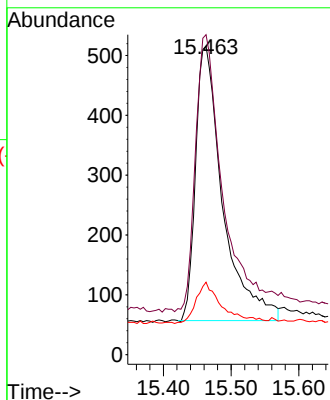
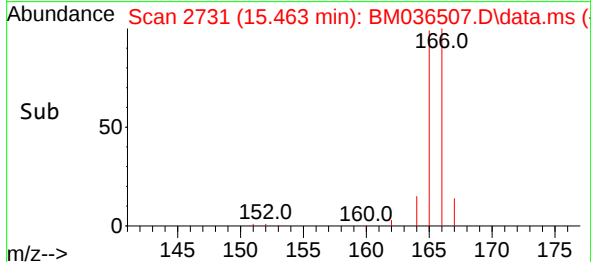
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-QT2-2022-04



Tgt Ion:166 Resp: 127
Ion Ratio Lower Upper
166 100
165 103.7 78.9 118.3
167 23.4 11.3 16.9

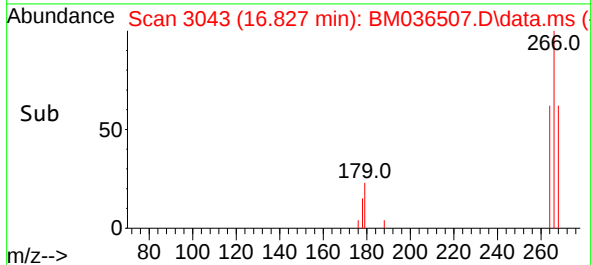
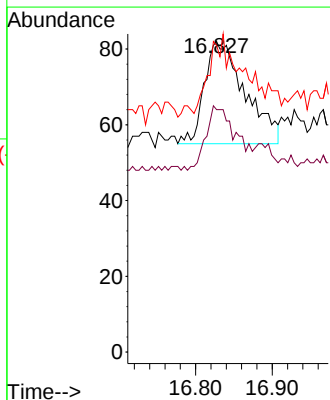
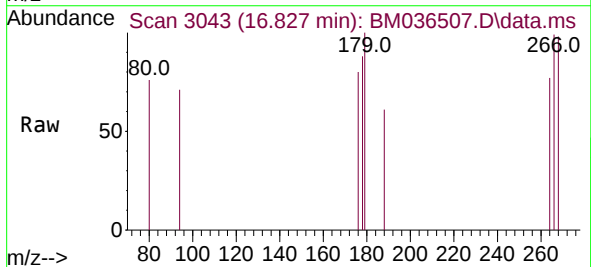
Manual Integrations
APPROVED

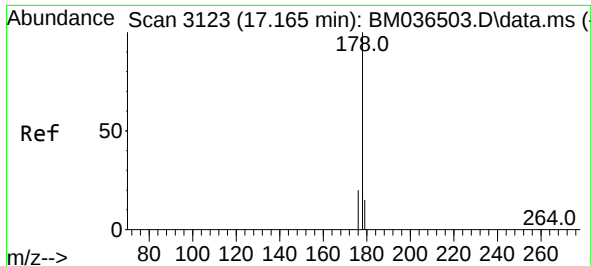
Reviewed By :Jagrut Upadhyay 09/08/2022
Supervised By :mohammad ahmed 09/08/2022



#14
Pentachlorophenol
Concen: 0.057 ng/ul
RT: 16.827 min Scan# 3043
Delta R.T. 0.028 min
Lab File: BM036507.D
Acq: 07 Sep 2022 12:55

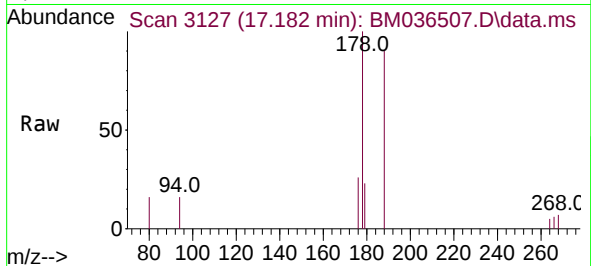
Tgt Ion:266 Resp: 100
Ion Ratio Lower Upper
266 100
264 48.0 50.3 75.5#
268 61.0 53.5 80.3





#15
Phenanthrene
Concen: 0.074 ng/ul
RT: 17.182 min Scan# 3127
Delta R.T. 0.015 min
Lab File: BM036507.D
Acq: 07 Sep 2022 12:55

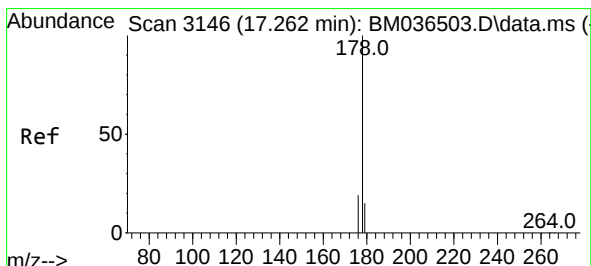
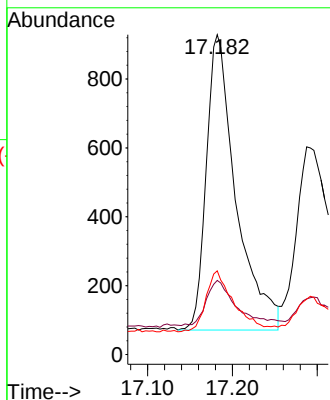
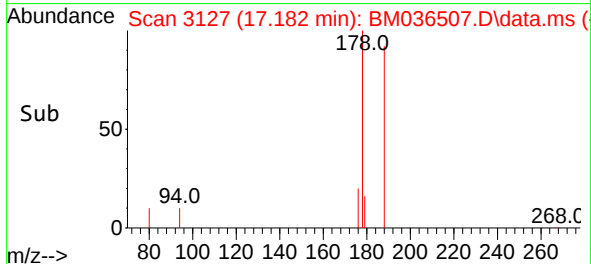
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-QT2-2022-04



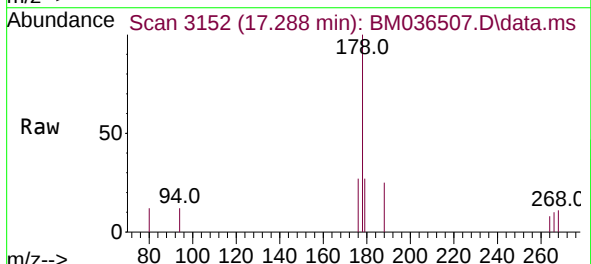
Tgt Ion:178 Resp: 2087
Ion Ratio Lower Upper
178 100
179 23.1 13.0 19.6#
176 26.2 15.6 23.4#

Manual Integrations
APPROVED

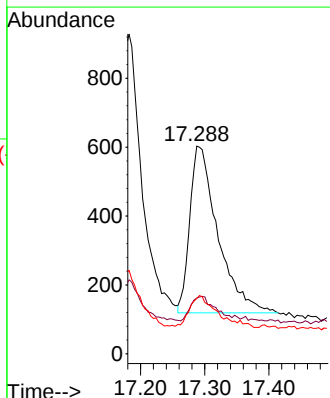
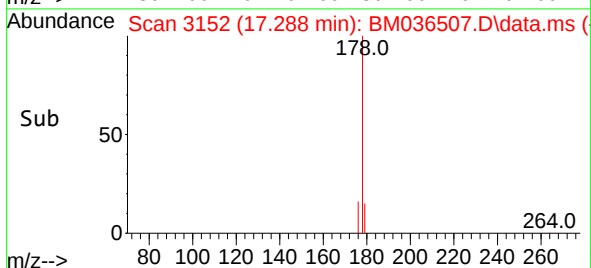
Reviewed By :Jagrut Upadhyay 09/08/2022
Supervised By :mohammad ahmed 09/08/2022

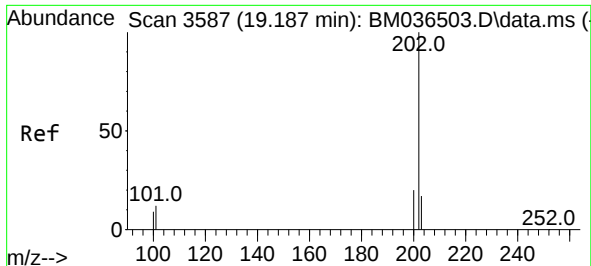


#16
Anthracene
Concen: 0.062 ng/ul
RT: 17.288 min Scan# 3152
Delta R.T. 0.024 min
Lab File: BM036507.D
Acq: 07 Sep 2022 12:55



Tgt Ion:178 Resp: 1472
Ion Ratio Lower Upper
178 100
179 26.9 13.6 20.4#
176 26.7 15.6 23.4#





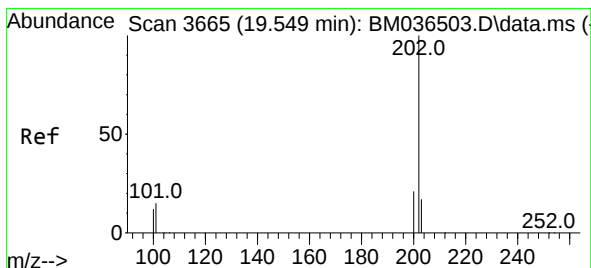
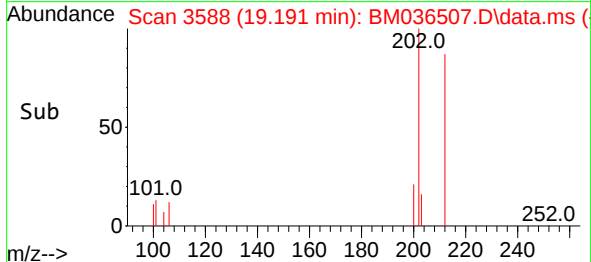
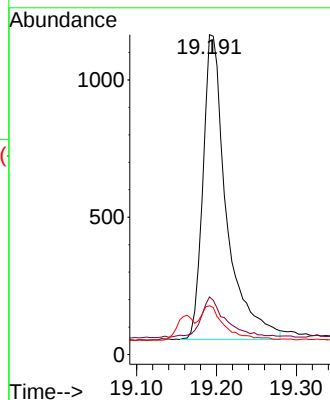
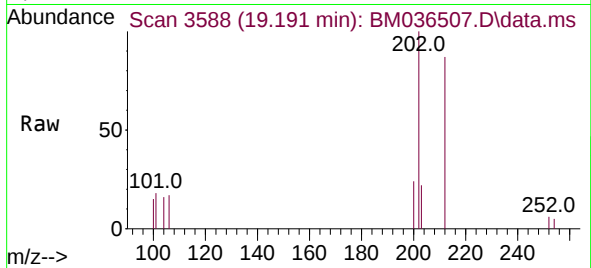
#19
Fluoranthene
Concen: 0.078 ng/u1
RT: 19.191 min Scan# 3588
Delta R.T. 0.003 min
Lab File: BM036507.D
Acq: 07 Sep 2022 12:55

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-QT2-2022-04

Tgt Ion:202 Resp: 2273
Ion Ratio Lower Upper
202 100
101 18.0 10.1 15.1#
100 15.3 7.9 11.9#

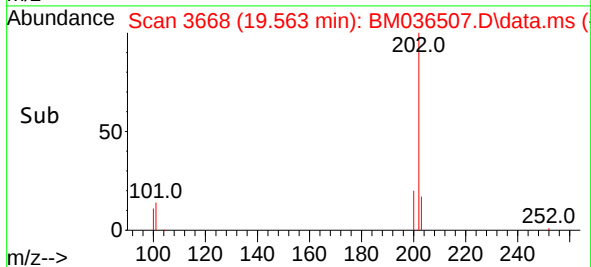
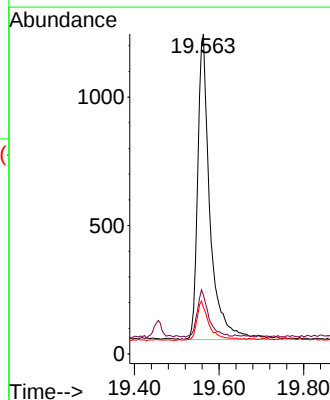
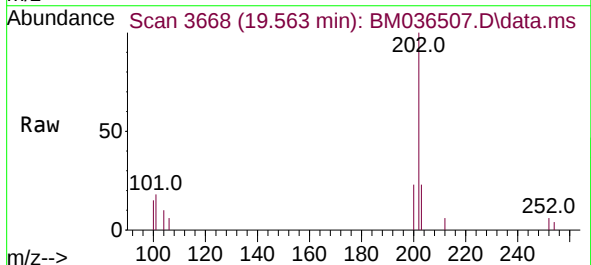
Manual Integrations
APPROVED

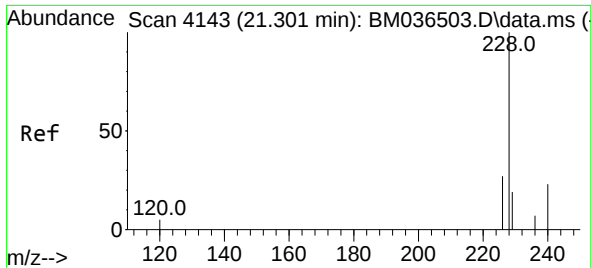
Reviewed By :Jagrut Upadhyay 09/08/2022
Supervised By :mohammad ahmed 09/08/2022



#20
Pyrene
Concen: 0.080 ng/u1
RT: 19.563 min Scan# 3668
Delta R.T. 0.012 min
Lab File: BM036507.D
Acq: 07 Sep 2022 12:55

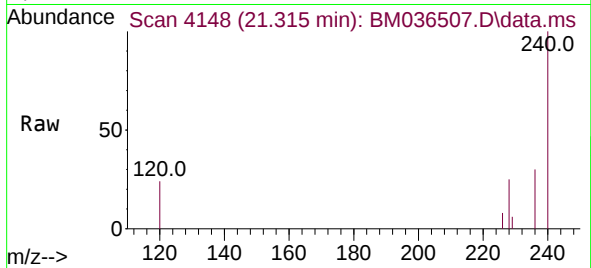
Tgt Ion:202 Resp: 2408
Ion Ratio Lower Upper
202 100
101 18.5 12.0 18.0#
100 14.6 9.8 14.6





#21
Benzo(a)anthracene
Concen: 0.059 ng/u1
RT: 21.315 min Scan# 4143
Delta R.T. 0.015 min
Lab File: BM036507.D
Acq: 07 Sep 2022 12:55

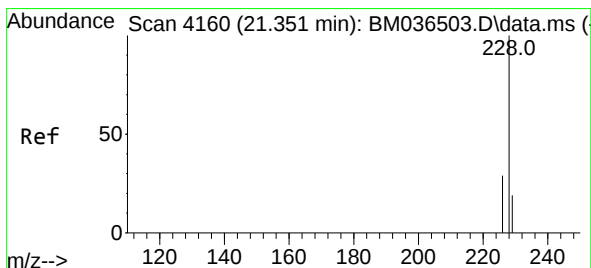
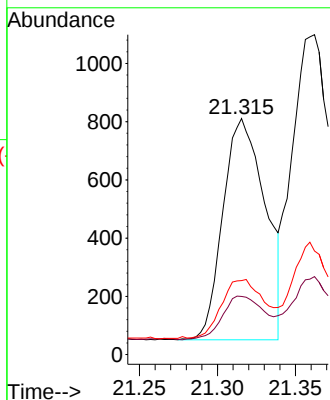
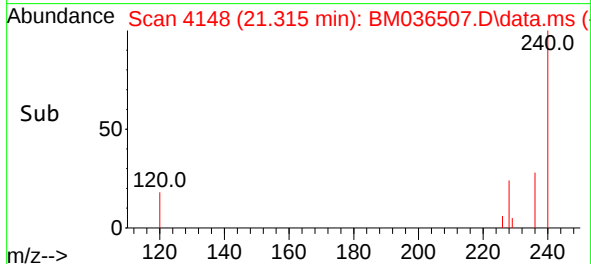
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-QT2-2022-04



Tgt Ion:228 Resp: 1432
Ion Ratio Lower Upper
228 100
229 24.7 16.2 24.2
226 31.3 22.5 33.7

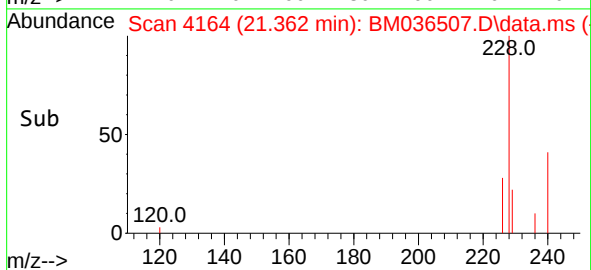
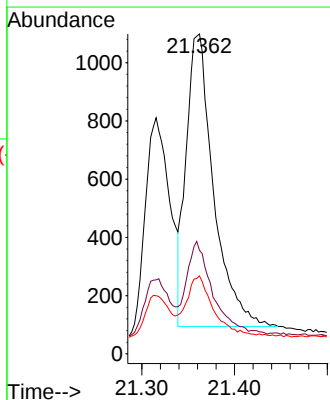
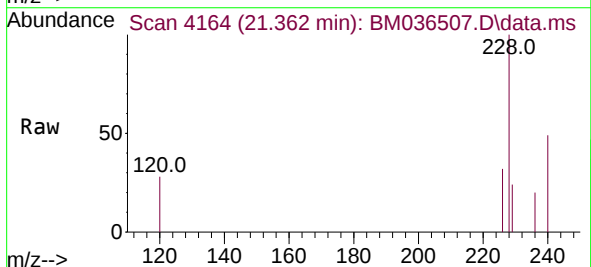
Manual Integrations
APPROVED

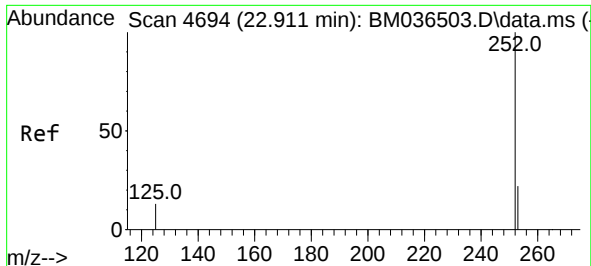
Reviewed By :Jagrut Upadhyay 09/08/2022
Supervised By :mohammad ahmed 09/08/2022



#22
Chrysene
Concen: 0.076 ng/u1
RT: 21.362 min Scan# 4164
Delta R.T. 0.012 min
Lab File: BM036507.D
Acq: 07 Sep 2022 12:55

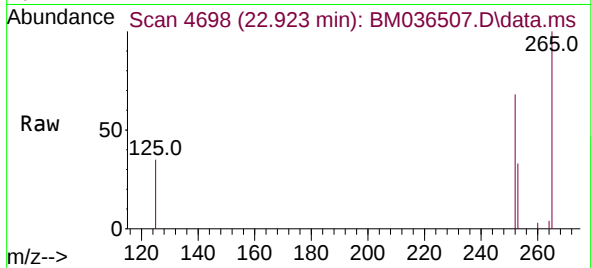
Tgt Ion:228 Resp: 2065
Ion Ratio Lower Upper
228 100
226 32.4 24.6 37.0
229 24.4 16.4 24.6





#24
Benzo(b)fluoranthene
Concen: 0.073 ng/ul
RT: 22.923 min Scan# 4698
Delta R.T. 0.015 min
Lab File: BM036507.D
Acq: 07 Sep 2022 12:55

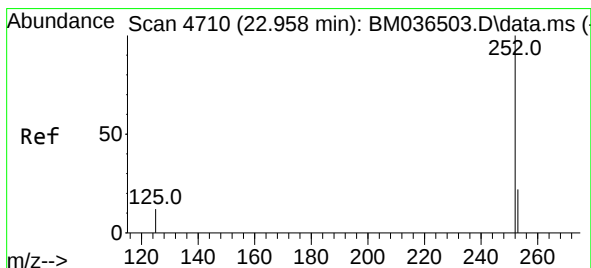
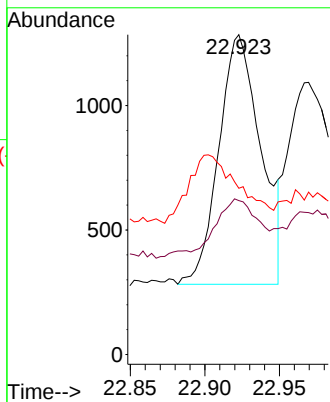
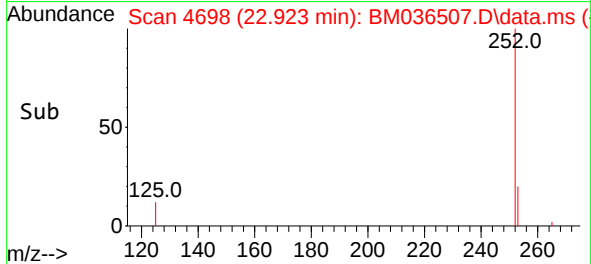
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-QT2-2022-04



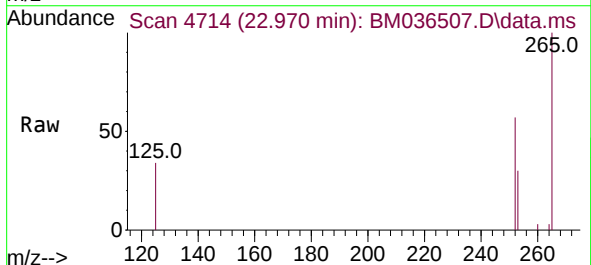
Tgt Ion:252 Resp: 1965
Ion Ratio Lower Upper
252 100
253 48.1 0.0 61.4
125 52.0 0.0 42.6

Manual Integrations
APPROVED

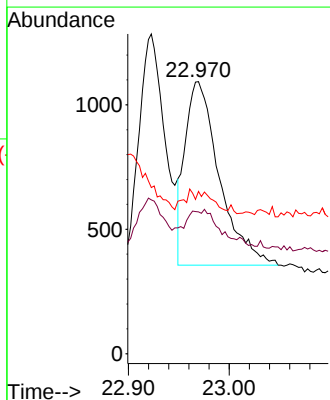
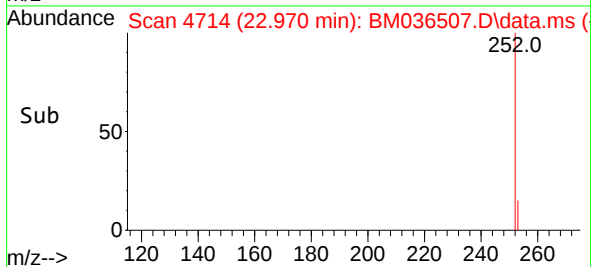
Reviewed By :Jagrut Upadhyay 09/08/2022
Supervised By :mohammad ahmed 09/08/2022

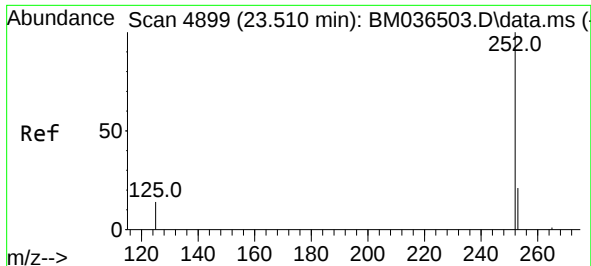


#25
Benzo(k)fluoranthene
Concen: 0.065 ng/ul
RT: 22.970 min Scan# 4714
Delta R.T. 0.015 min
Lab File: BM036507.D
Acq: 07 Sep 2022 12:55



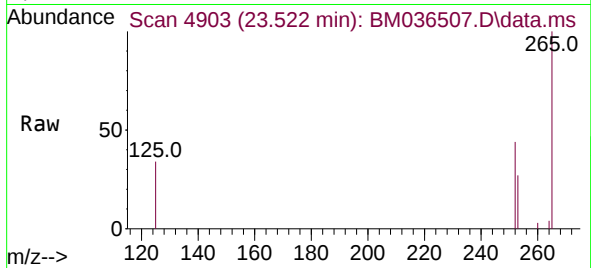
Tgt Ion:252 Resp: 1743
Ion Ratio Lower Upper
252 100
253 52.2 25.2 37.8#
125 59.7 18.3 27.5#





#26
Benzo(a)pyrene
Concen: 0.083 ng/ul m
RT: 23.522 min Scan# 4903
Delta R.T. 0.015 min
Lab File: BM036507.D
Acq: 07 Sep 2022 12:55

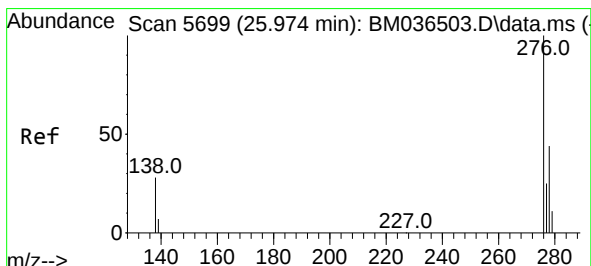
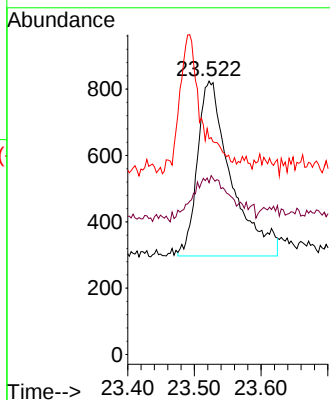
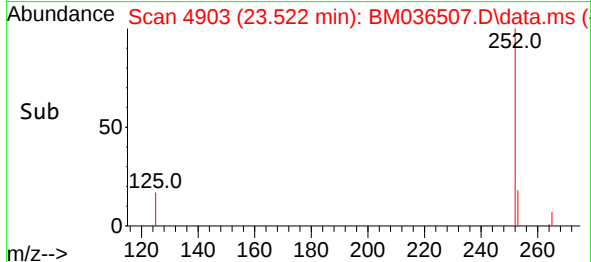
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-QT2-2022-04



Tgt Ion:252 Resp: 1848
Ion Ratio Lower Upper
252 100
253 62.9 29.7 44.5#
125 78.9 23.6 35.4#

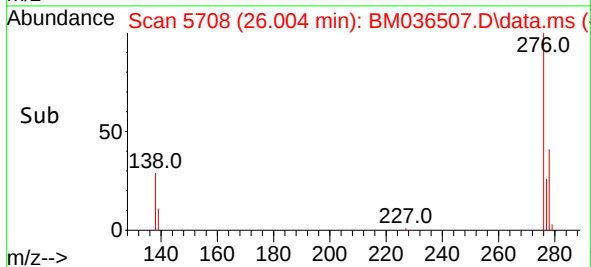
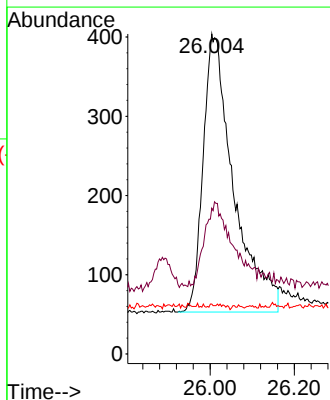
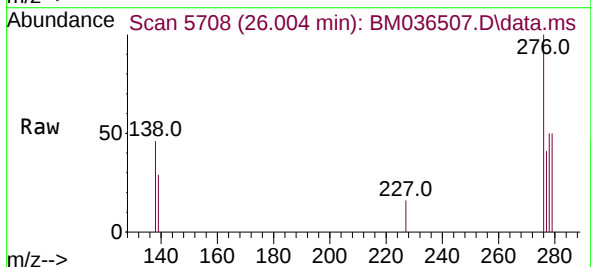
Manual Integrations
APPROVED

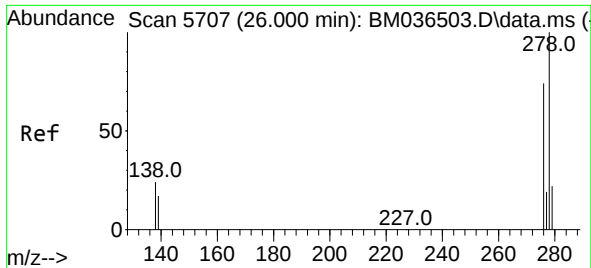
Reviewed By :Jagrut Upadhyay 09/08/2022
Supervised By :mohammad ahmed 09/08/2022



#27
Indeno(1,2,3-cd)pyrene
Concen: 0.067 ng/ul
RT: 26.004 min Scan# 5708
Delta R.T. 0.034 min
Lab File: BM036507.D
Acq: 07 Sep 2022 12:55

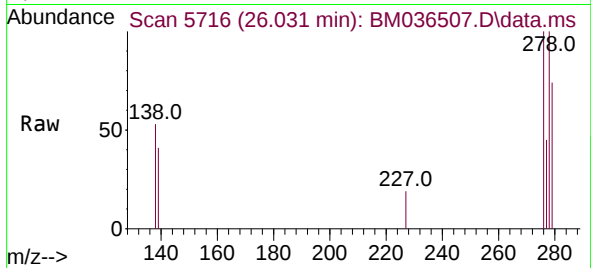
Tgt Ion:276 Resp: 1762
Ion Ratio Lower Upper
276 100
138 0.0 23.9 35.9#
227 0.2 0.1 0.1#





#28
Dibenzo(a,h)anthracene
Concen: 0.061 ng/ul
RT: 26.031 min Scan# 5172
Delta R.T. 0.037 min
Lab File: BM036507.D
Acq: 07 Sep 2022 12:55

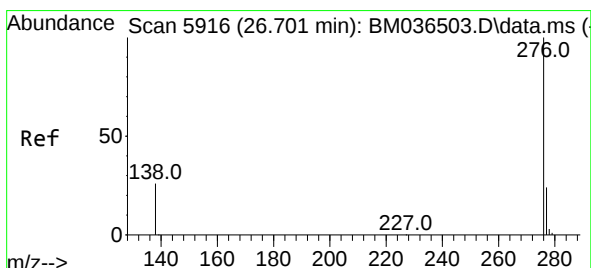
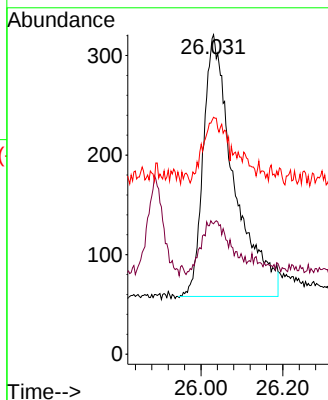
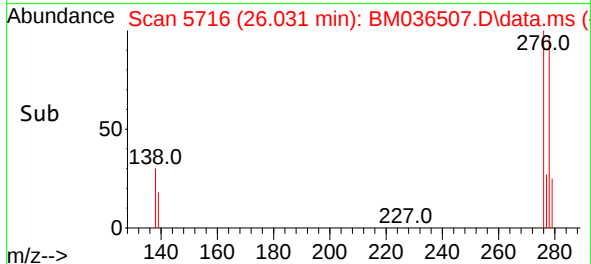
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-QT2-2022-04



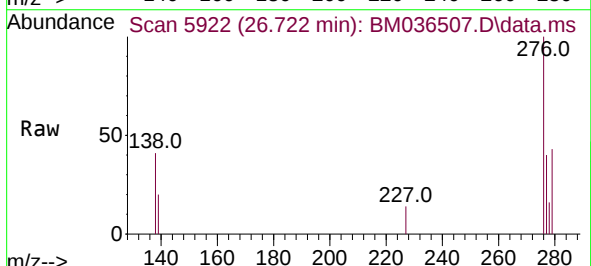
Tgt Ion: 278 Resp: 1372
Ion Ratio Lower Upper
278 100
139 40.8 19.8 29.6
279 74.1 27.7 41.5

Manual Integrations
APPROVED

Reviewed By : Jagrut Upadhyay 09/08/2022
Supervised By : mohammad ahmed 09/08/2022



#29
Benzo(g,h,i)perylene
Concen: 0.072 ng/ul
RT: 26.722 min Scan# 5922
Delta R.T. 0.027 min
Lab File: BM036507.D
Acq: 07 Sep 2022 12:55



Tgt Ion: 276 Resp: 1795
Ion Ratio Lower Upper
276 100
138 40.7 23.4 35.0#
277 39.5 21.0 31.4#

