Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP032624\
Data File : BP019995.D
Acq On : 26 Mar 2024 12:46
Operator : MA/JU
Sample : P1601-06
Misc : SFAM-MDL-ME SOIL-02
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Mar 26 23:54:46 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP032224.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Mar 25 10:46:59 2024
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
MDL-MED-SOIL-QT1-2024-02

Manual Integrations
APPROVED
Reviewed By :Yogesh Patel 03/29/2024
Supervised By :mohammad ahmed 03/29/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.605	152	120098	20.000	ng/ul	-0.01
20) Naphthalene-d8	10.363	136	473531	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.251	164	319920	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.075	188	724755	20.000	ng/ul	0.00
79) Chrysene-d12	21.545	240	740657	20.000	ng/ul	0.00
88) Perylene-d12	24.821	264	824004	20.000	ng/ul	-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.240	96	14314	5.222	ng/uL	0.00
4) Pyridine-d5	3.634	84	193449	23.373	ng/ul	0.00
7) Phenol-d5	6.787	99	228863	22.595	ng/ul	-0.01
9) Bis-(2-Chloroethyl)eth...	6.964	67	151780	23.000	ng/ul	0.00
11) 2-Chlorophenol-d4	7.140	132	167411	23.014	ng/ul	-0.01
15) 4-Methylphenol-d8	8.299	113	171993	21.948	ng/ul	0.00
21) Nitrobenzene-d5	8.758	128	82767	22.804	ng/ul	0.00
24) 2-Nitrophenol-d4	9.463	143	90892	22.382	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	9.993	165	159515	21.508	ng/ul	0.00
31) 4-Chloroaniline-d4	10.516	131	214178	22.153	ng/ul	0.00
46) Dimethylphthalate-d6	13.646	166	524636	23.390	ng/ul	0.00
49) Acenaphthylene-d8	13.940	160	578913	22.094	ng/ul	0.00
54) 4-Nitrophenol-d4	14.493	143	72792	20.643	ng/ul	0.01
60) Fluorene-d10	15.257	176	456820	23.908	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.416	200	84248	19.420	ng/ul	0.00
73) Anthracene-d10	17.169	188	681955	21.257	ng/ul	0.00
81) Pyrene-d10	19.569	212	892342	20.535	ng/ul	0.00
92) Benzo(a)pyrene-d12	24.610	264	915808m	23.134	ng/ul	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.275	88	3729	1.192	ng/uL#	82
5) Pyridine	3.658	79	37211	4.411	ng/ul#	71
6) Benzaldehyde	6.781	77	29036	5.797	ng/ul	99
8) Phenol	6.816	94	43819	4.138	ng/ul	94
10) Bis(2-Chloroethyl)ether	7.052	93	37680	4.394	ng/ul	96
12) 2-Chlorophenol	7.175	128	32266	4.209	ng/ul	94
13) 2-Methylphenol	8.052	108	30397	3.982	ng/ul	100
14) 2,2'-oxybis(1-Chloropr...	8.128	45	52360	4.440	ng/ul	97
16) Acetophenone	8.428	105	54939	4.346	ng/ul	97
17) N-Nitroso-di-n-propyla...	8.411	70	30184	4.281	ng/ul	97
18) 4-Methylphenol	8.375	108	32907	4.005	ng/ul	97
19) Hexachloroethane	8.652	117	15866	4.456	ng/ul	97
22) Nitrobenzene	8.799	77	46774	4.524	ng/ul	100
23) Isophorone	9.316	82	83573	4.337	ng/ul	99
25) 2-Nitrophenol	9.499	139	18219	4.304	ng/ul	95
26) 2,4-Dimethylphenol	9.552	107	30022	3.249	ng/ul	91
27) Bis(2-Chloroethoxy)met...	9.793	93	48445	4.299	ng/ul	97
29) 2,4-Dichlorophenol	10.016	162	28890	3.982	ng/ul	92
30) Naphthalene	10.410	128	106609	4.388	ng/ul	99
32) 4-Chloroaniline	10.540	127	40274	4.245	ng/ul	98
33) Hexachlorobutadiene	10.675	225	24883	4.352	ng/ul	98
34) Caprolactam	11.363	113	10491	4.652	ng/ul	91
35) 4-Chloro-3-methylphenol	11.681	107	33254	4.126	ng/ul	97
36) 2-Methylnaphthalene	12.034	142	69697	4.309	ng/ul	99

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP032624\
Data File : BP019995.D
Acq On : 26 Mar 2024 12:46
Operator : MA/JU
Sample : P1601-06
Misc : SFAM-MDL-ME SOIL-02
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Mar 26 23:54:46 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP032224.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Mar 25 10:46:59 2024
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
MDL-MED-SOIL-QT1-2024-02

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 03/29/2024
Supervised By :mohammad ahmed 03/29/2024

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
37) 1-Methylnaphthalene	12.257	142	73449	4.540 ng/ul	96
39) 1,2,4,5-Tetrachloroben...	12.399	216	41658	3.938 ng/ul	97
40) Hexachlorocyclopentadiene	12.363	237	23152	3.868 ng/ul	97
41) 2,4,6-Trichlorophenol	12.663	196	24612	3.788 ng/ul	94
42) 2,4,5-Trichlorophenol	12.740	196	26962	4.012 ng/ul	96
43) 1,1'-Biphenyl	13.063	154	95791	4.135 ng/ul	100
44) 2-Chloronaphthalene	13.104	162	76167	4.077 ng/ul	99
45) 2-Nitroaniline	13.334	65	24096	4.094 ng/ul	97
47) Dimethylphthalate	13.693	163	102979	4.548 ng/ul	100
48) 2,6-Dinitrotoluene	13.846	165	18914	4.115 ng/ul	95
50) Acenaphthylene	13.969	152	124844	4.261 ng/ul	99
51) 3-Nitroaniline	14.193	138	16134	3.811 ng/ul	97
52) Acenaphthene	14.316	153	84461	4.339 ng/ul	97
53) 2,4-Dinitrophenol	14.404	184	10159	3.883 ng/ul	99
55) 4-Nitrophenol	14.504	109	14096	4.356 ng/ul	85
56) Dibenzofuran	14.663	168	120944	4.575 ng/ul	98
57) 2,4-Dinitrotoluene	14.663	165	27624	4.395 ng/ul	98
58) 2,3,4,6-Tetrachlorophenol	14.887	232	24620	4.272 ng/ul	97
59) Diethylphthalate	15.104	149	104093	4.636 ng/ul	97
61) Fluorene	15.322	166	97614	4.527 ng/ul	99
62) 4-Chlorophenyl-phenyle...	15.322	204	51532	4.462 ng/ul	97
63) 4-Nitroaniline	15.387	138	16075	4.446 ng/ul	96
66) 4,6-Dinitro-2-methylph...	15.434	198	19300	4.192 ng/ul#	83
67) N-Nitrosodiphenylamine	15.540	169	80573	4.025 ng/ul	99
68) 4-Bromophenyl-phenylether	16.245	248	31247	3.972 ng/ul	97
69) Hexachlorobenzene	16.340	284	36072	4.130 ng/ul	99
70) Atrazine	16.551	200	33858	4.414 ng/ul	97
71) Pentachlorophenol	16.722	266	21613m	4.221 ng/ul	
72) Phenanthrene	17.110	178	160755	4.290 ng/ul	99
74) Anthracene	17.216	178	151508	3.982 ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.016	216	41708	3.530 ng/uL	96
76) Pentachlorobenzene	14.569	250	45288	4.138 ng/uL	97
77) Carbazole	17.504	167	139600	4.291 ng/ul	100
78) Di-n-butylphthalate	18.104	149	175879	4.330 ng/ul	99
80) Fluoranthene	19.216	202	195250	3.825 ng/ul	99
82) Pyrene	19.604	202	208231	3.925 ng/ul	99
83) Butylbenzylphthalate	20.575	149	82874	3.847 ng/ul	99
84) 3,3'-Dichlorobenzidine	21.463	252	55383	3.516 ng/ul	97
85) Benzo(a)anthracene	21.527	228	213460	4.165 ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.469	149	127905	4.064 ng/ul	98
87) Chrysene	21.592	228	202437	4.248 ng/ul	99
89) Di-n-octyl phthalate	22.733	149	221803	4.244 ng/ul	100
90) Benzo(b)fluoranthene	23.792	252	203806	4.219 ng/ul	98
91) Benzo(k)fluoranthene	23.851	252	212784	4.334 ng/ul	99
93) Benzo(a)pyrene	24.668	252	197977	4.237 ng/ul	99
94) Indeno(1,2,3-cd)pyrene	28.551	276	242408m	4.119 ng/ul	
95) Dibenzo(a,h)anthracene	28.633	278	197567	4.127 ng/ul	98
96) Benzo(g,h,i)perylene	29.703	276	196179m	4.126 ng/ul	

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

Quantitation Report (QT Reviewed)

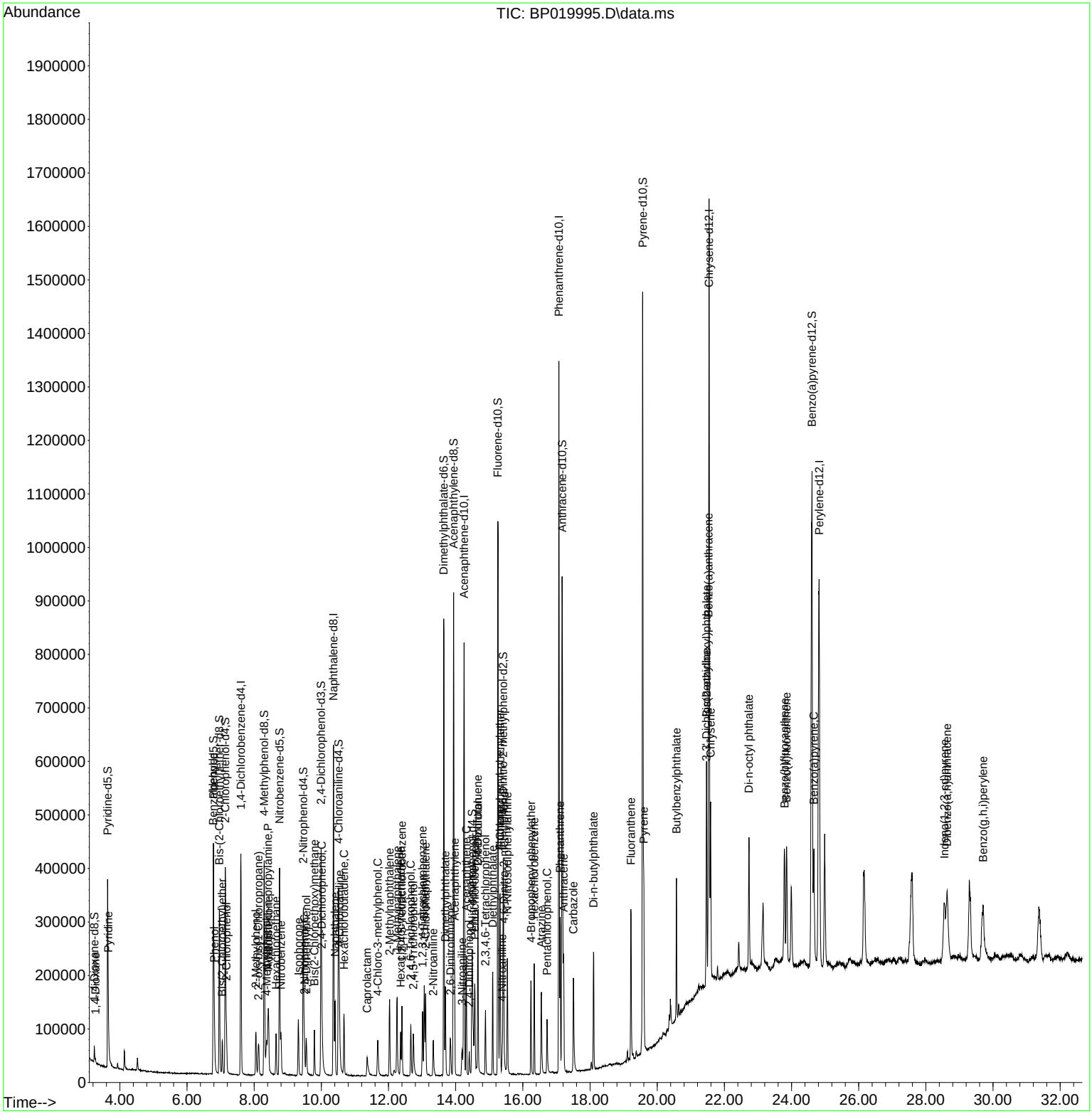
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP032624\
Data File : BP019995.D
Acq On : 26 Mar 2024 12:46
Operator : MA/JU
Sample : P1601-06
Misc : SFAM-MDL-ME SOIL-02
ALS Vial : 6 Sample Multiplier: 1

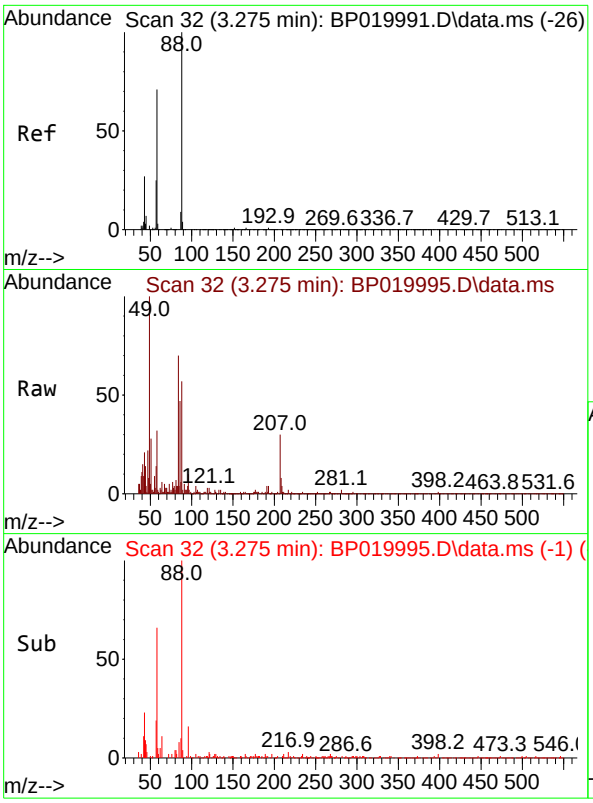
Quant Time: Mar 26 23:54:46 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP032224.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Mar 25 10:46:59 2024
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
MDL-MED-SOIL-QT1-2024-02

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 03/29/2024
Supervised By :mohammad ahmed 03/29/2024





#2
1,4-Dioxane
Concen: 1.192 ng/uL
RT: 3.275 min Scan# 3
Delta R.T. -0.000 min
Lab File: BP019995.D
Acq: 26 Mar 2024 12:46

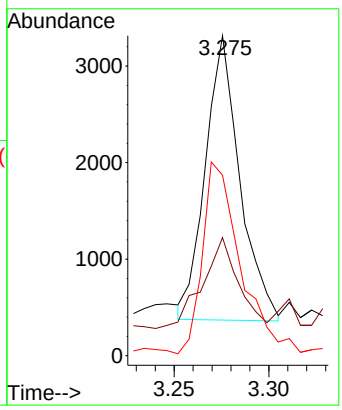
Tgt Ion: 88 Resp: 372

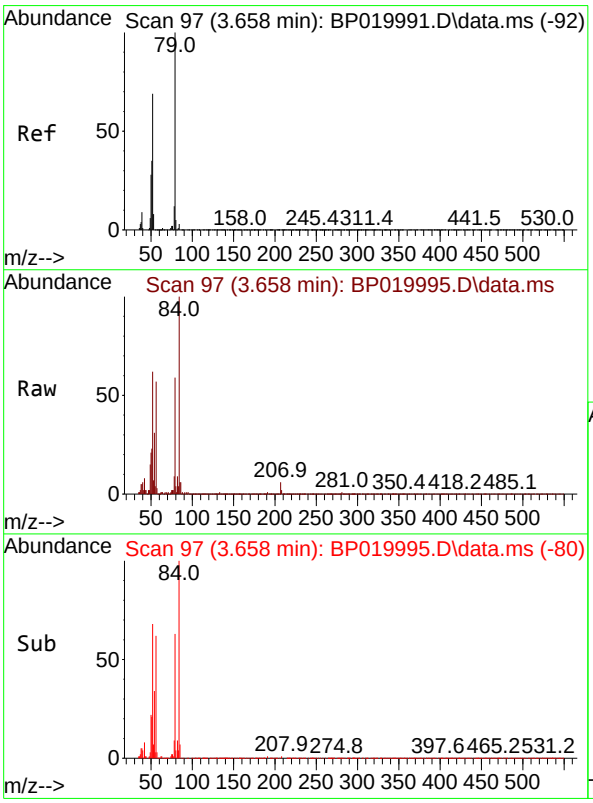
Ion	Ratio	Lower	Upper
88	100		
43	36.9	23.3	34.9#
58	56.4	58.3	87.5#

Instrument :
BNA_P
ClientSampleId :
MDL-MED-SOIL-QT1-2024-02

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 03/29/2024
Supervised By :mohammad ahmed 03/29/2024

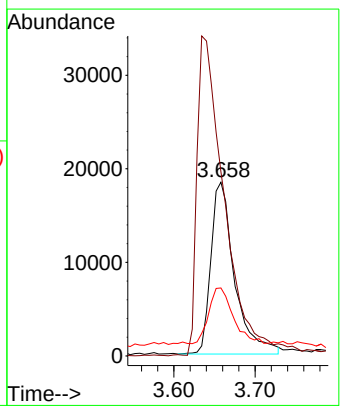


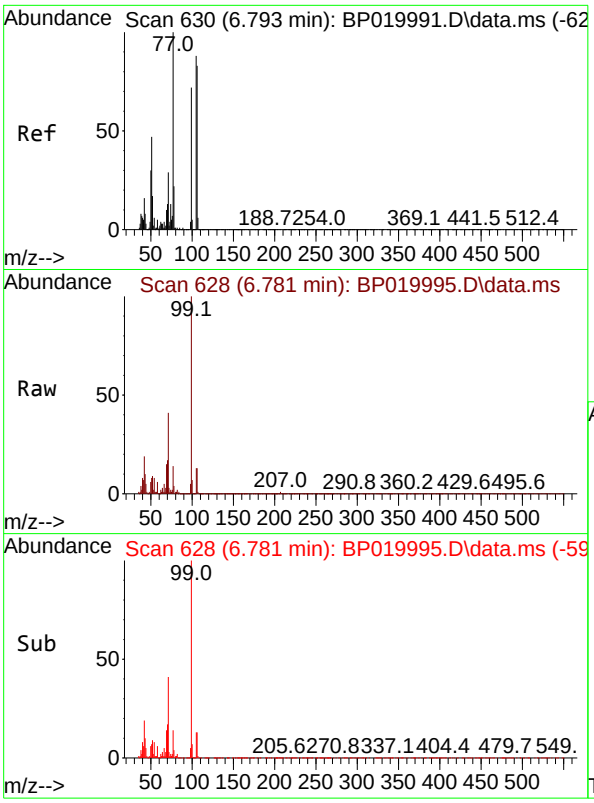


#5
Pyridine
Concen: 4.411 ng/ul
RT: 3.658 min Scan# 97
Delta R.T. -0.000 min
Lab File: BP019995.D
Acq: 26 Mar 2024 12:46

Tgt Ion: 79 Resp: 37211

Ion	Ratio	Lower	Upper
79	100		
52	106.0	57.9	86.9#
51	39.1	28.2	42.2





#6
Benzaldehyde
Concen: 5.797 ng/ul
RT: 6.781 min Scan# 6
Delta R.T. -0.006 min
Lab File: BP019995.D
Acq: 26 Mar 2024 12:46

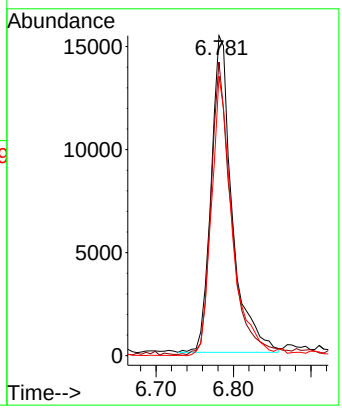
Tgt Ion: 77 Resp: 2903

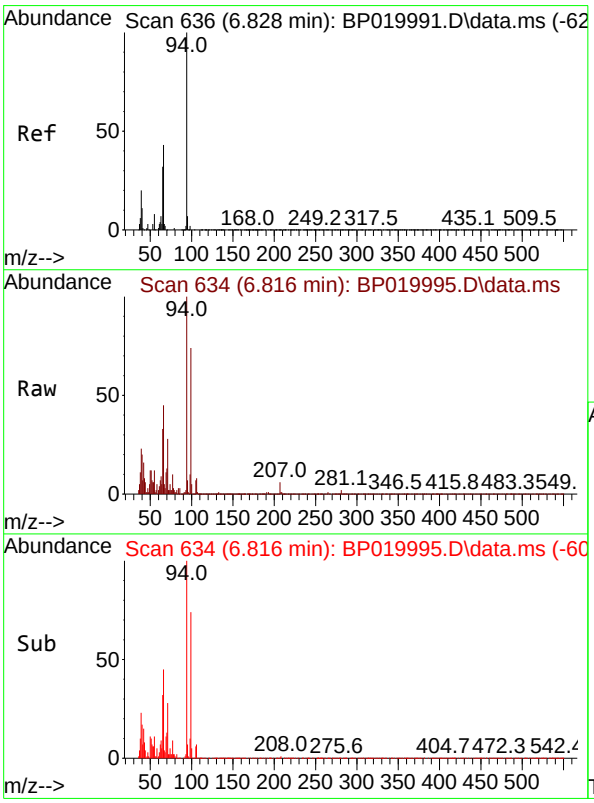
Ion	Ratio	Lower	Upper
77	100		
105	91.8	72.2	108.4
106	87.3	69.1	103.7

Instrument :
BNA_P
ClientSampleId :
MDL-MED-SOIL-QT1-2024-02

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 03/29/2024
Supervised By :mohammad ahmed 03/29/2024

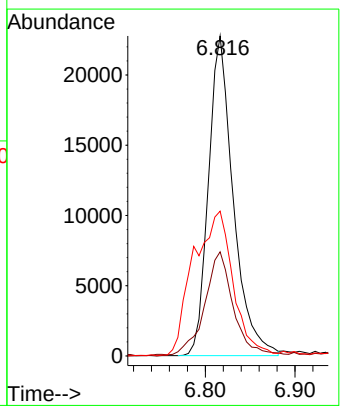


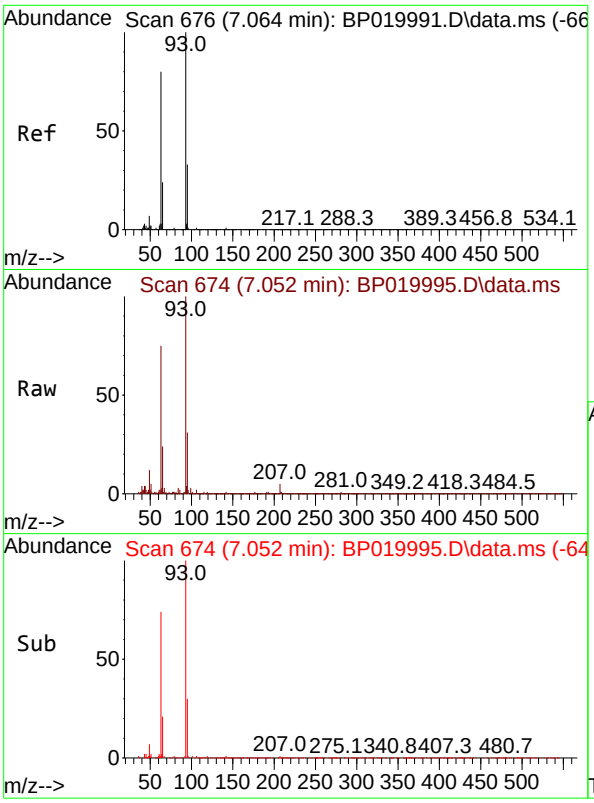


#8
Phenol
Concen: 4.138 ng/ul
RT: 6.816 min Scan# 634
Delta R.T. -0.012 min
Lab File: BP019995.D
Acq: 26 Mar 2024 12:46

Tgt Ion: 94 Resp: 43819

Ion	Ratio	Lower	Upper
94	100		
65	32.6	23.8	35.8
66	45.3	33.2	49.8





#10
Bis(2-Chloroethyl)ether
Concen: 4.394 ng/ul
RT: 7.052 min Scan# 6
Delta R.T. -0.006 min
Lab File: BP019995.D
Acq: 26 Mar 2024 12:46

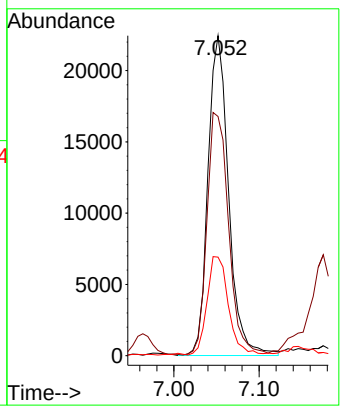
Tgt Ion: 93 Resp: 3768

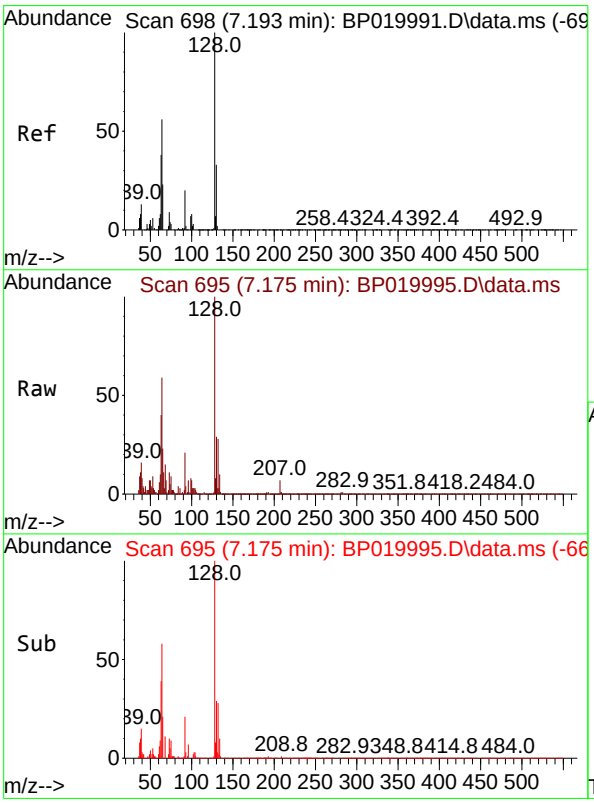
Ion	Ratio	Lower	Upper
93	100		
63	74.8	63.5	95.3
95	30.8	24.9	37.3

Instrument :
BNA_P
ClientSampleId :
MDL-MED-SOIL-QT1-2024-02

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 03/29/2024
Supervised By :mohammad ahmed 03/29/2024

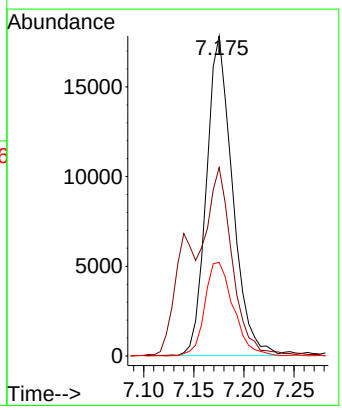


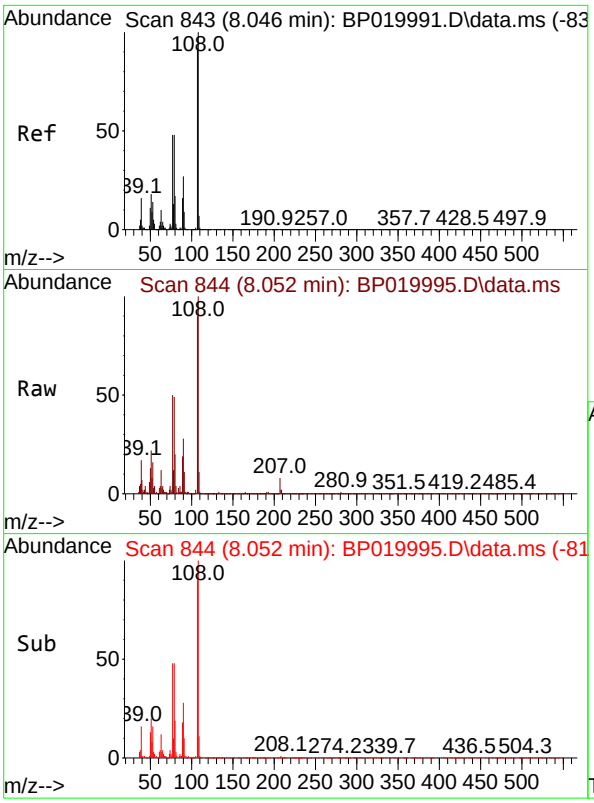


#12
2-Chlorophenol
Concen: 4.209 ng/ul
RT: 7.175 min Scan# 695
Delta R.T. -0.012 min
Lab File: BP019995.D
Acq: 26 Mar 2024 12:46

Tgt Ion:128 Resp: 32266

Ion	Ratio	Lower	Upper
128	100		
64	58.9	42.5	63.7
130	29.2	25.0	37.4





#13
2-Methylphenol
Concen: 3.982 ng/ul
RT: 8.052 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP019995.D
Acq: 26 Mar 2024 12:46

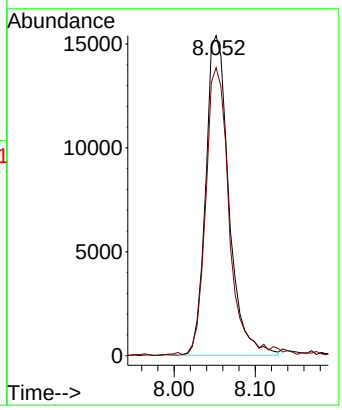
Tgt Ion:108 Resp: 3039

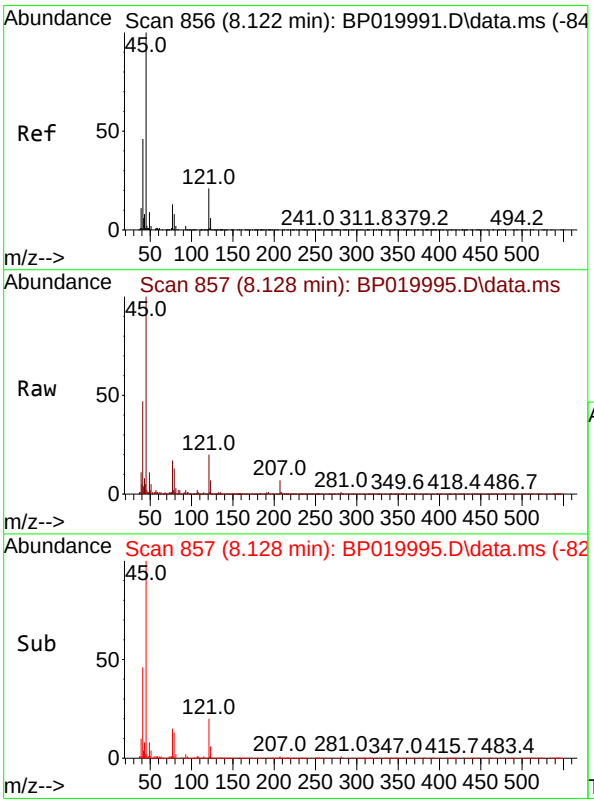
Ion	Ratio	Lower	Upper
108	100		
107	90.0	72.3	108.5

Instrument :
BNA_P
ClientSampleId :
MDL-MED-SOIL-QT1-2024-02

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 03/29/2024
Supervised By :mohammad ahmed 03/29/2024

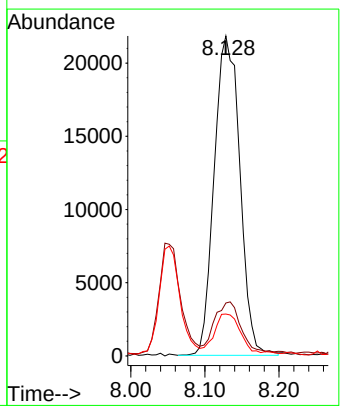


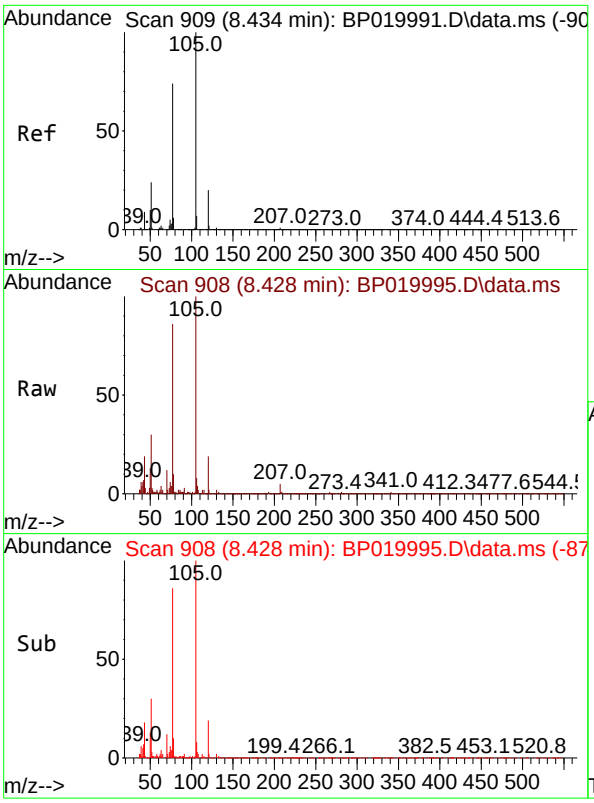


#14
2,2'-oxybis(1-Chloropropane)
Concen: 4.440 ng/ul
RT: 8.128 min Scan# 857
Delta R.T. -0.006 min
Lab File: BP019995.D
Acq: 26 Mar 2024 12:46

Tgt Ion: 45 Resp: 52360

Ion	Ratio	Lower	Upper
45	100		
77	16.5	12.3	18.5
79	13.1	9.4	14.0





#16
Acetophenone
Concen: 4.346 ng/ul
RT: 8.428 min Scan# 9
Delta R.T. -0.006 min
Lab File: BP019995.D
Acq: 26 Mar 2024 12:46

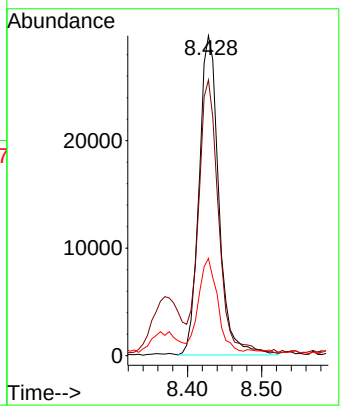
Tgt Ion:105 Resp: 5493

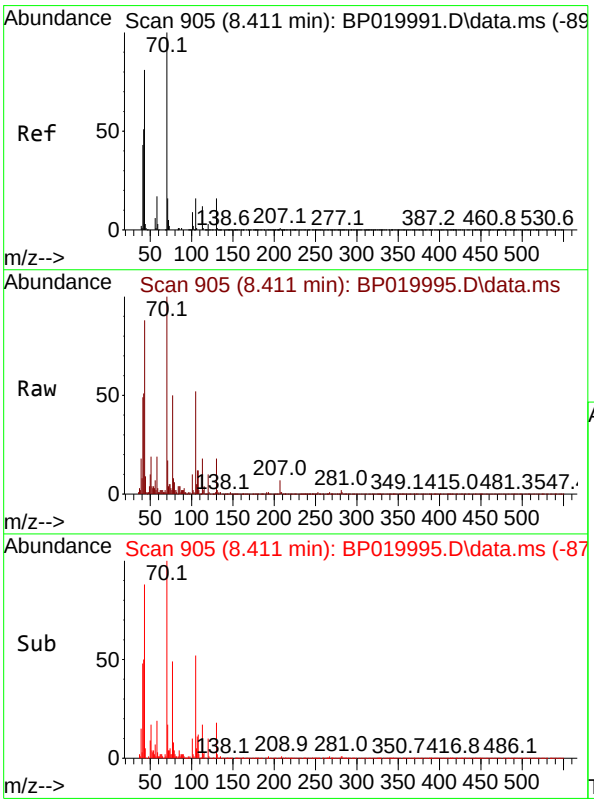
Ion	Ratio	Lower	Upper
105	100		
77	86.2	67.8	101.6
51	30.4	21.8	32.8

Instrument :
BNA_P
ClientSampleId :
MDL-MED-SOIL-QT1-2024-02

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 03/29/2024
Supervised By :mohammad ahmed 03/29/2024

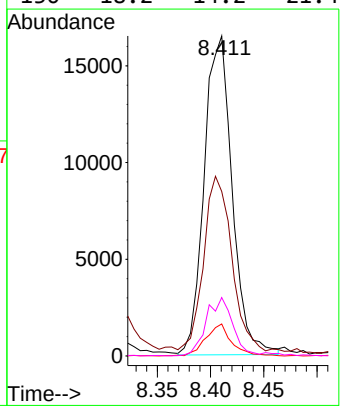


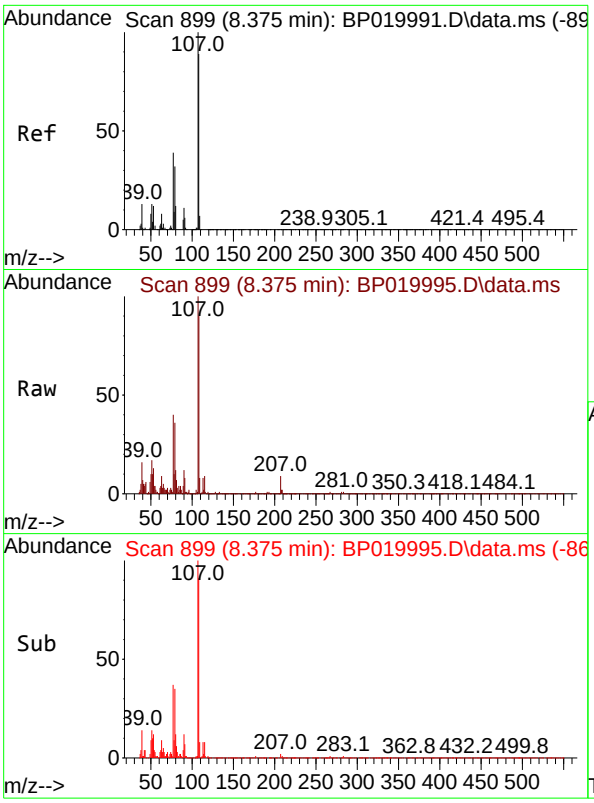


#17
N-Nitroso-di-n-propylamine
Concen: 4.281 ng/ul
RT: 8.411 min Scan# 905
Delta R.T. -0.000 min
Lab File: BP019995.D
Acq: 26 Mar 2024 12:46

Tgt Ion: 70 Resp: 30184

Ion	Ratio	Lower	Upper
70	100		
42	51.4	43.1	64.7
101	10.0	7.7	11.5
130	18.2	14.2	21.4





#18
4-Methylphenol
Concen: 4.005 ng/ul
RT: 8.375 min Scan# 8
Delta R.T. -0.000 min
Lab File: BP019995.D
Acq: 26 Mar 2024 12:46

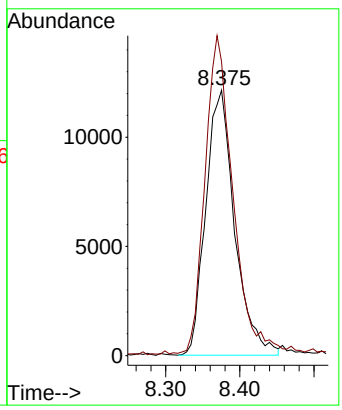
Tgt Ion:108 Resp: 3290

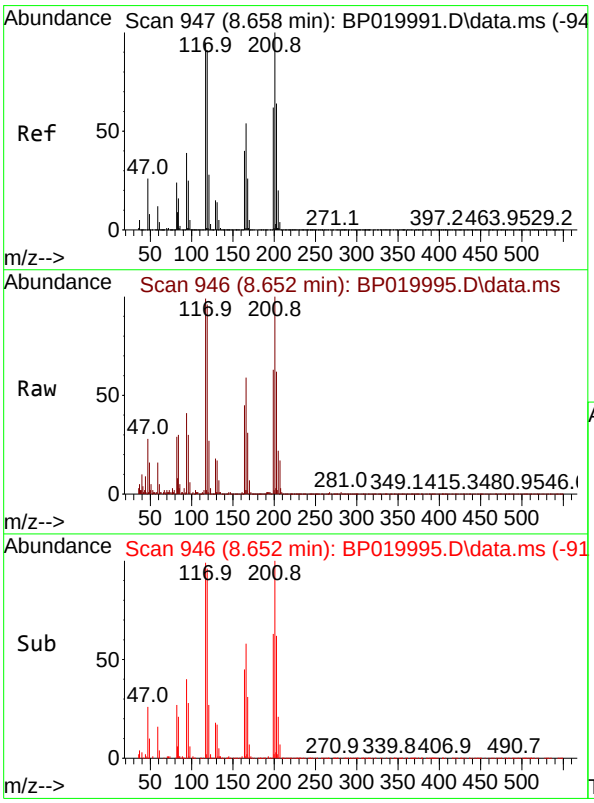
Ion	Ratio	Lower	Upper
108	100		
107	110.7	91.3	136.9

Instrument :
BNA_P
ClientSampleId :
MDL-MED-SOIL-QT1-2024-02

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 03/29/2024
Supervised By :mohammad ahmed 03/29/2024

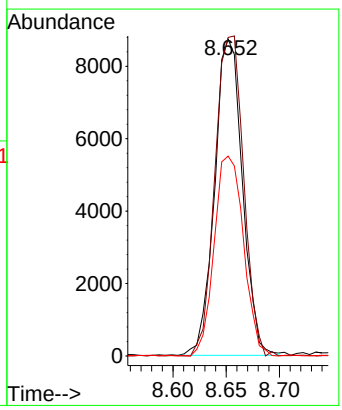


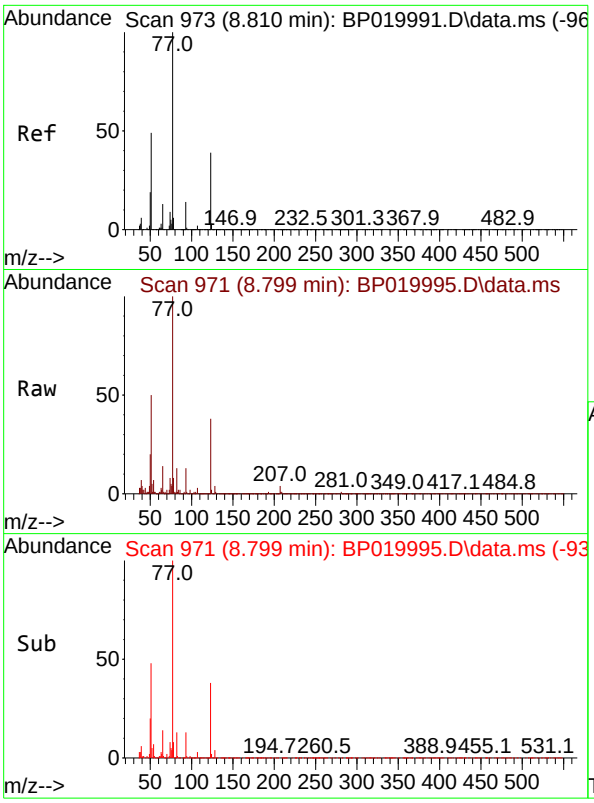


#19
Hexachloroethane
Concen: 4.456 ng/ul
RT: 8.652 min Scan# 946
Delta R.T. -0.006 min
Lab File: BP019995.D
Acq: 26 Mar 2024 12:46

Tgt Ion:117 Resp: 15866

Ion	Ratio	Lower	Upper
117	100		
201	100.6	82.1	123.1
199	63.1	53.8	80.8





#22
Nitrobenzene
Concen: 4.524 ng/ul
RT: 8.799 min Scan# 9
Delta R.T. -0.006 min
Lab File: BP019995.D
Acq: 26 Mar 2024 12:46

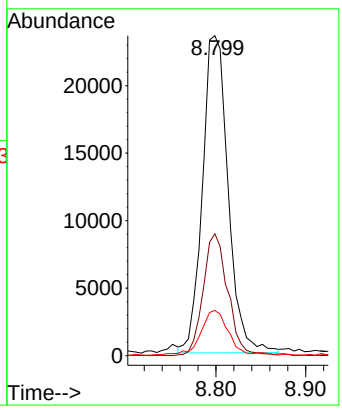
Tgt Ion: 77 Resp: 4677

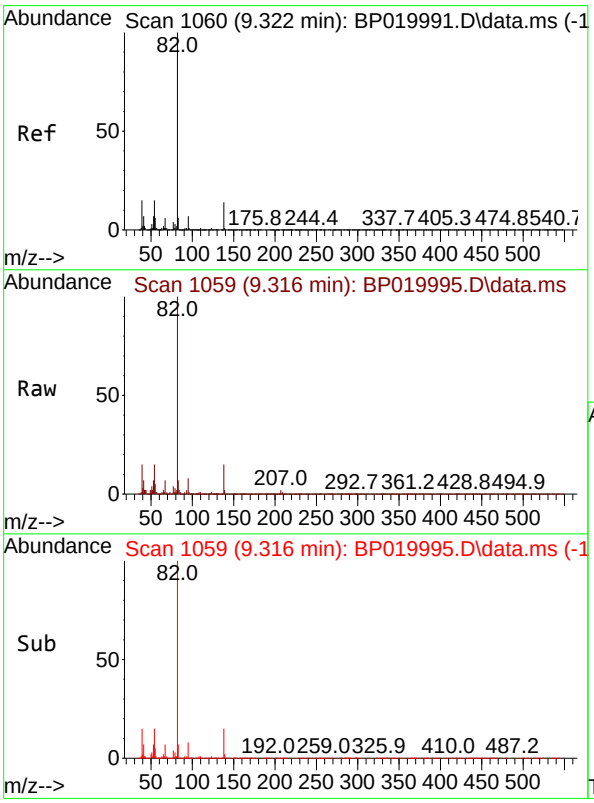
Ion	Ratio	Lower	Upper
77	100		
123	38.1	30.6	46.0
65	14.1	11.4	17.0

Instrument :
BNA_P
ClientSampleId :
MDL-MED-SOIL-QT1-2024-02

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 03/29/2024
Supervised By :mohammad ahmed 03/29/2024

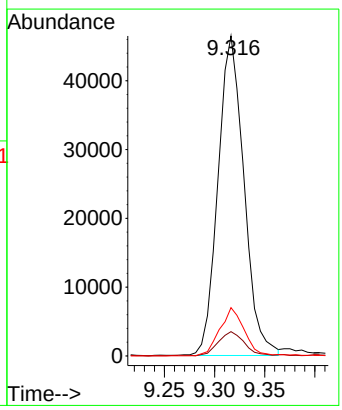


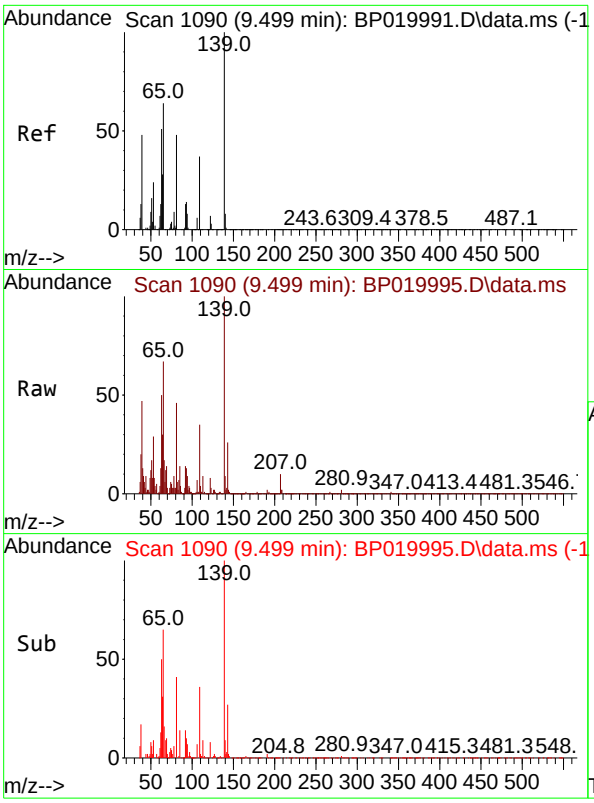


#23
Isophorone
Concen: 4.337 ng/ul
RT: 9.316 min Scan# 1059
Delta R.T. -0.006 min
Lab File: BP019995.D
Acq: 26 Mar 2024 12:46

Tgt Ion: 82 Resp: 83573

Ion	Ratio	Lower	Upper
82	100		
95	7.6	5.6	8.4
138	15.1	12.1	18.1





#25
2-Nitrophenol
Concen: 4.304 ng/ul
RT: 9.499 min Scan# 1(
Delta R.T. -0.006 min
Lab File: BP019995.D
Acq: 26 Mar 2024 12:46

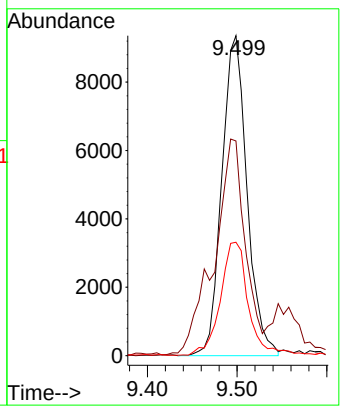
Tgt Ion:139 Resp: 1821

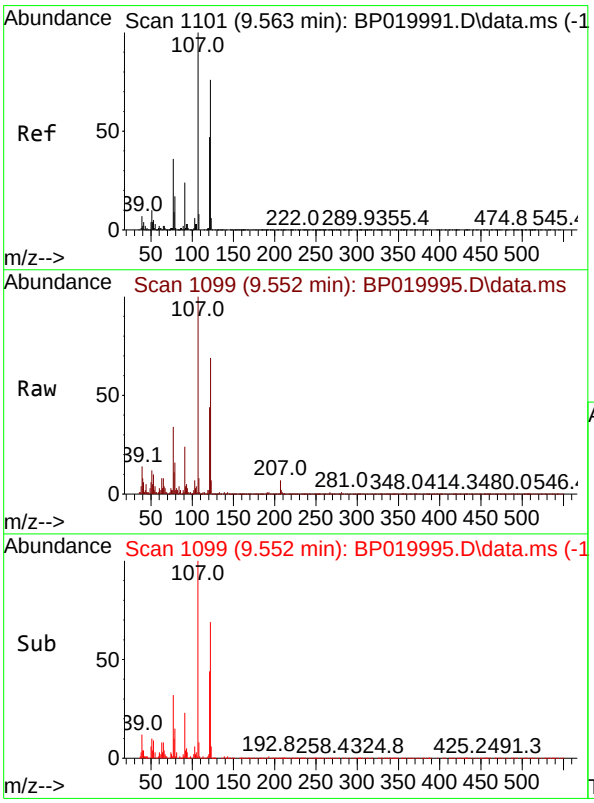
Ion	Ratio	Lower	Upper
139	100		
65	67.1	49.0	73.6
109	35.4	27.8	41.6

Instrument :
BNA_P
ClientSampleId :
MDL-MED-SOIL-QT1-2024-02

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 03/29/2024
Supervised By :mohammad ahmed 03/29/2024

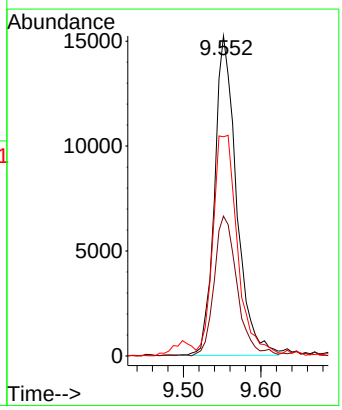


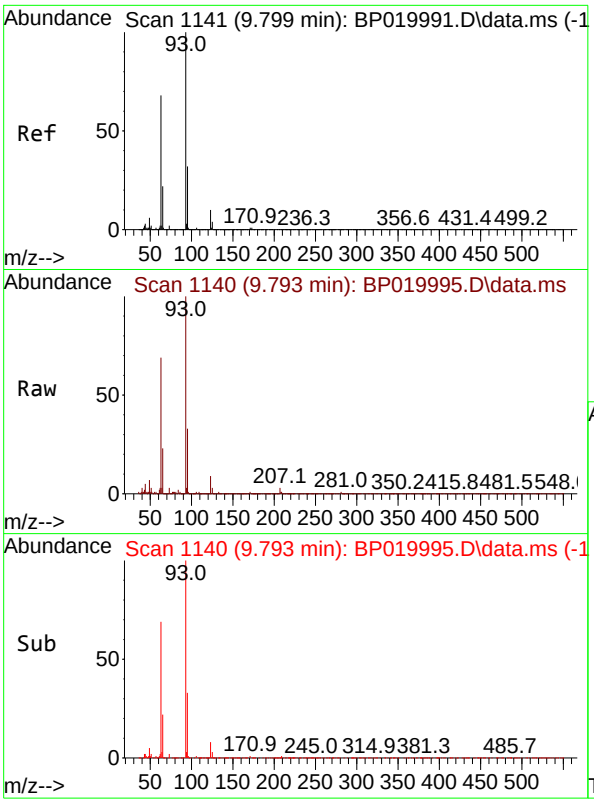


#26
2,4-Dimethylphenol
Concen: 3.249 ng/ul
RT: 9.552 min Scan# 1099
Delta R.T. -0.006 min
Lab File: BP019995.D
Acq: 26 Mar 2024 12:46

Tgt Ion:107 Resp: 30022

Ion	Ratio	Lower	Upper
107	100		
121	43.7	37.4	56.2
122	68.5	63.3	94.9





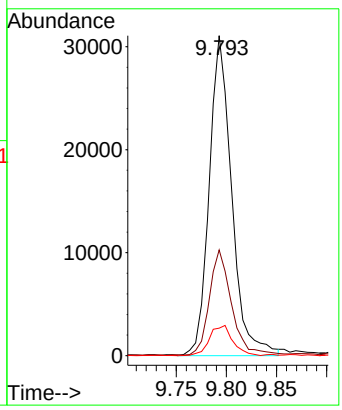
#27
Bis(2-Chloroethoxy)methane
Concen: 4.299 ng/ul
RT: 9.793 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP019995.D
Acq: 26 Mar 2024 12:46

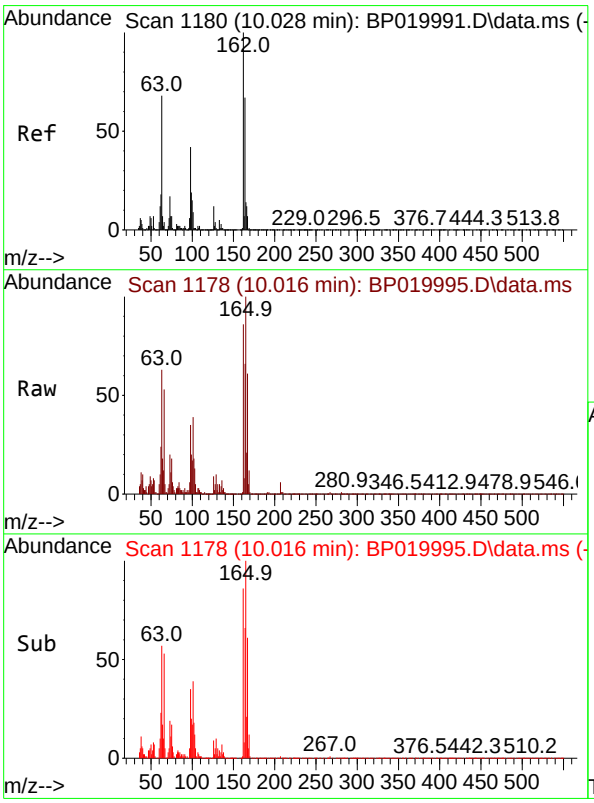
Tgt Ion: 93 Resp: 4844

Ion	Ratio	Lower	Upper
93	100		
95	33.0	25.2	37.8
123	8.6	7.9	11.9

Instrument :
BNA_P
ClientSampleId :
MDL-MED-SOIL-QT1-2024-02

Manual Integrations
APPROVED
Reviewed By :Yogesh Patel 03/29/2024
Supervised By :mohammad ahmed 03/29/2024

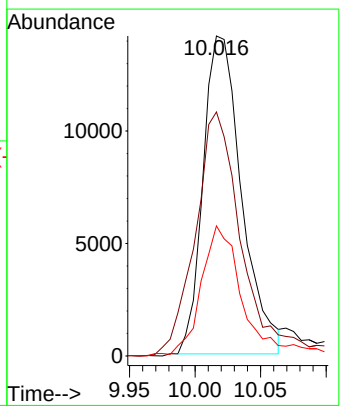


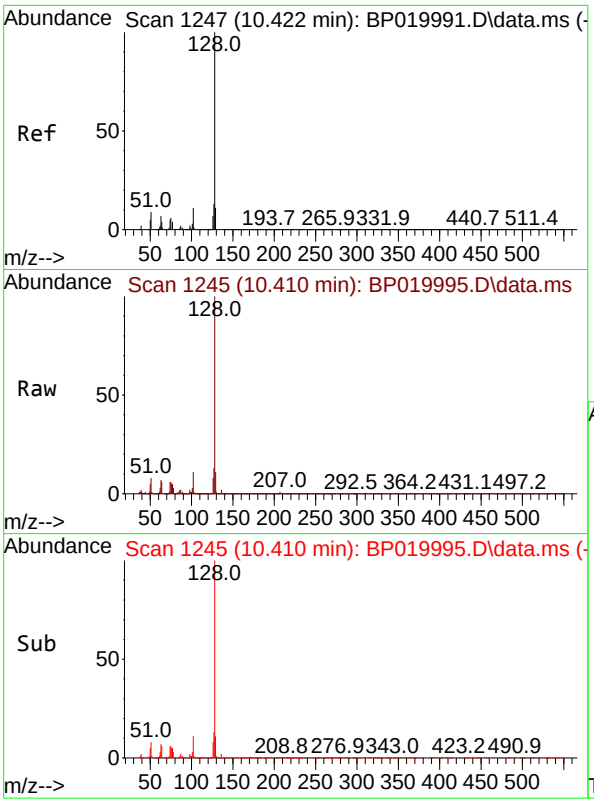


#29
2,4-Dichlorophenol
Concen: 3.982 ng/ul
RT: 10.016 min Scan# 1178
Delta R.T. -0.012 min
Lab File: BP019995.D
Acq: 26 Mar 2024 12:46

Tgt Ion:162 Resp: 28890

Ion	Ratio	Lower	Upper
162	100		
164	76.2	52.7	79.1
98	40.7	32.4	48.6





#30
Naphthalene
Concen: 4.388 ng/ul
RT: 10.410 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP019995.D
Acq: 26 Mar 2024 12:46

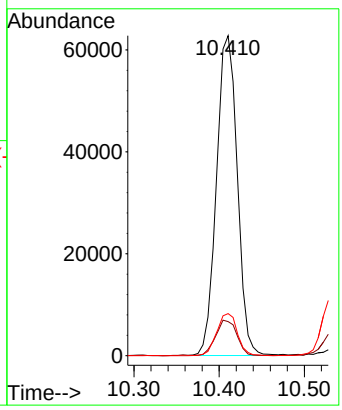
Tgt Ion:128 Resp: 10660

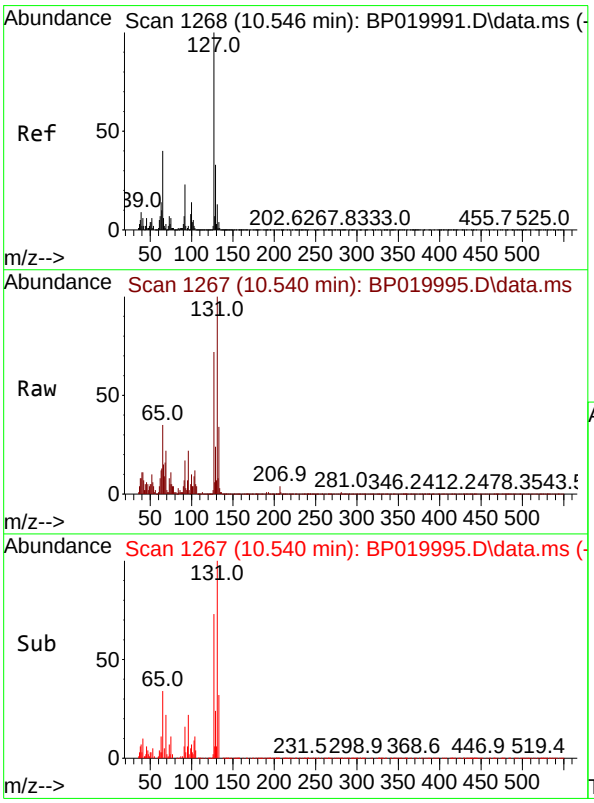
Ion	Ratio	Lower	Upper
128	100		
129	10.7	8.8	13.2
127	13.2	10.3	15.5

Instrument :
BNA_P
ClientSampleId :
MDL-MED-SOIL-QT1-2024-02

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 03/29/2024
Supervised By :mohammad ahmed 03/29/2024

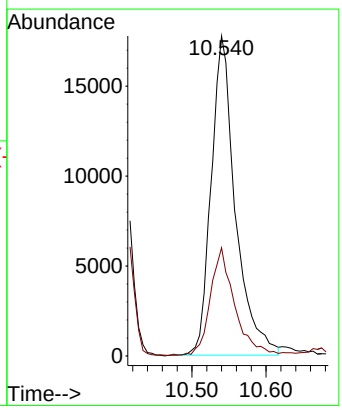


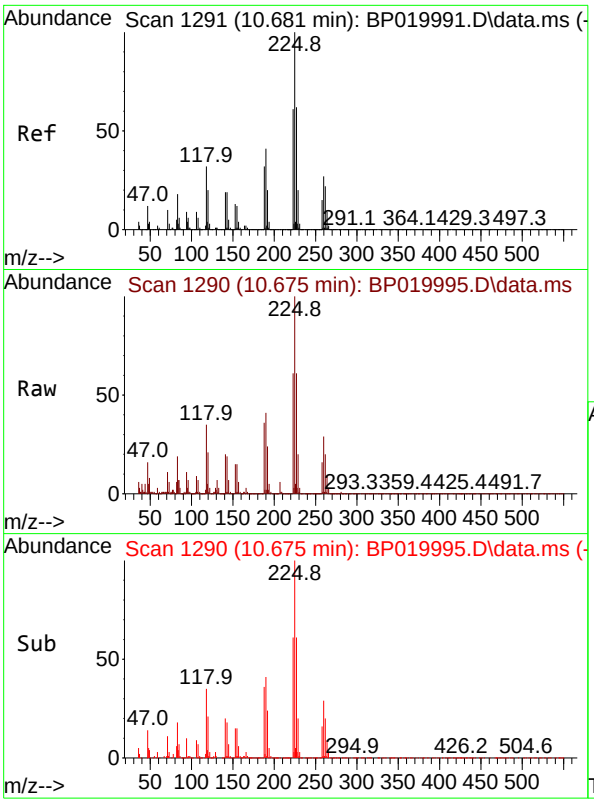


#32
4-Chloroaniline
Concen: 4.245 ng/ul
RT: 10.540 min Scan# 1267
Delta R.T. -0.006 min
Lab File: BP019995.D
Acq: 26 Mar 2024 12:46

Tgt Ion:127 Resp: 40274

Ion	Ratio	Lower	Upper
127	100		
129	33.8	26.2	39.2





#33
Hexachlorobutadiene
Concen: 4.352 ng/ul
RT: 10.675 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP019995.D
Acq: 26 Mar 2024 12:46

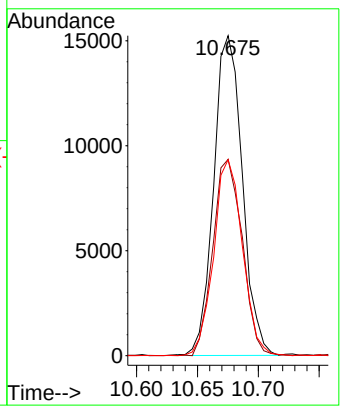
Tgt Ion:225 Resp: 2488

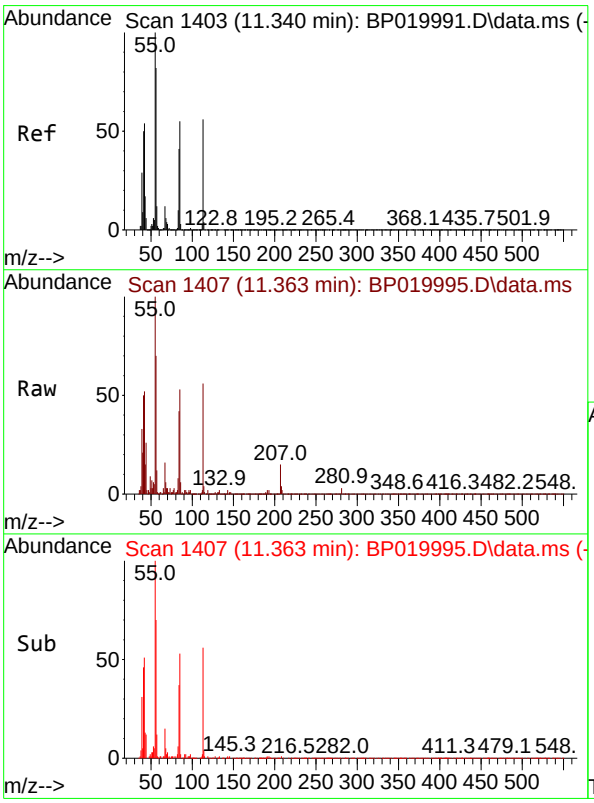
Ion	Ratio	Lower	Upper
225	100		
223	61.3	50.5	75.7
227	64.5	50.3	75.5

Instrument :
BNA_P
ClientSampleId :
MDL-MED-SOIL-QT1-2024-02

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 03/29/2024
Supervised By :mohammad ahmed 03/29/2024

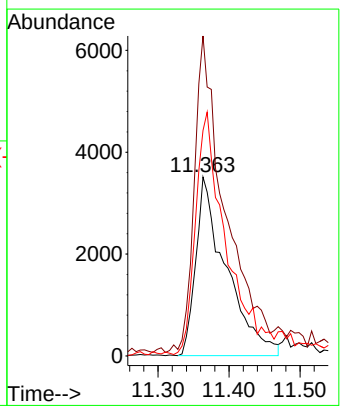


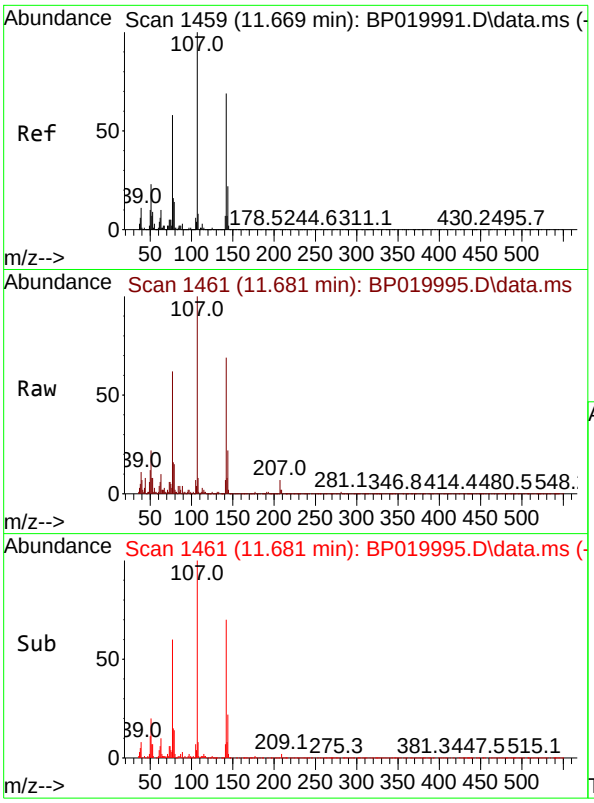


#34
Caprolactam
Concen: 4.652 ng/ul
RT: 11.363 min Scan# 1407
Delta R.T. 0.012 min
Lab File: BP019995.D
Acq: 26 Mar 2024 12:46

Tgt Ion:113 Resp: 10491

Ion	Ratio	Lower	Upper
113	100		
55	178.9	149.5	224.3
56	126.0	114.6	172.0





#35
4-Chloro-3-methylphenol
Concen: 4.126 ng/ul
RT: 11.681 min Scan# 14
Delta R.T. 0.012 min
Lab File: BP019995.D
Acq: 26 Mar 2024 12:46

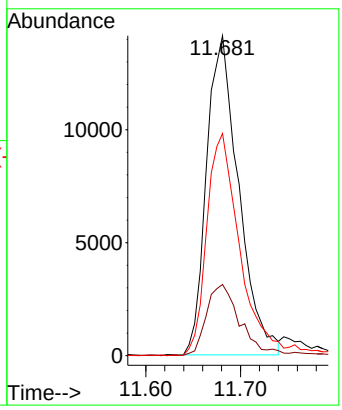
Tgt Ion:107 Resp: 3325

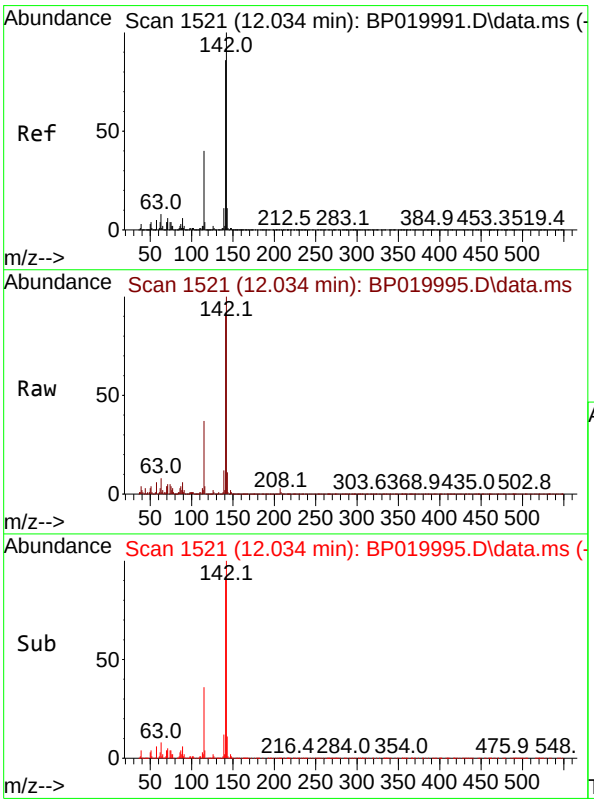
Ion	Ratio	Lower	Upper
107	100		
144	22.2	19.0	28.4
142	69.5	57.8	86.6

Instrument :
BNA_P
ClientSampleId :
MDL-MED-SOIL-QT1-2024-02

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 03/29/2024
Supervised By :mohammad ahmed 03/29/2024

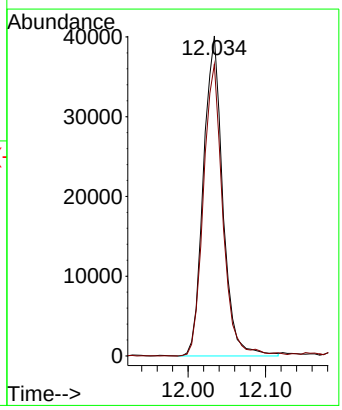


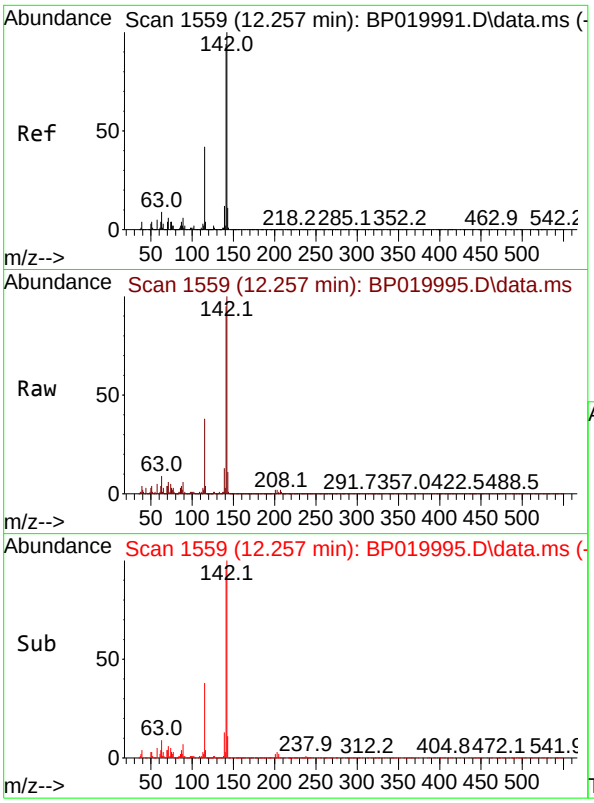


#36
2-Methylnaphthalene
Concen: 4.309 ng/ul
RT: 12.034 min Scan# 1521
Delta R.T. 0.006 min
Lab File: BP019995.D
Acq: 26 Mar 2024 12:46

Tgt Ion:142 Resp: 69697

Ion	Ratio	Lower	Upper
142	100		
141	91.1	71.8	107.8





#37
1-Methylnaphthalene
Concen: 4.540 ng/ul
RT: 12.257 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP019995.D
Acq: 26 Mar 2024 12:46

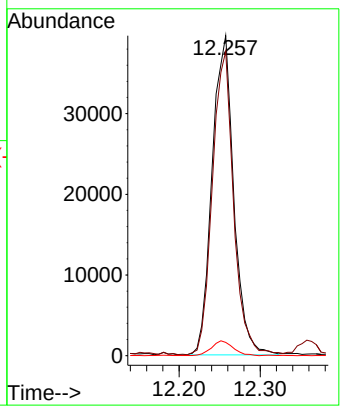
Tgt Ion:142 Resp: 7344

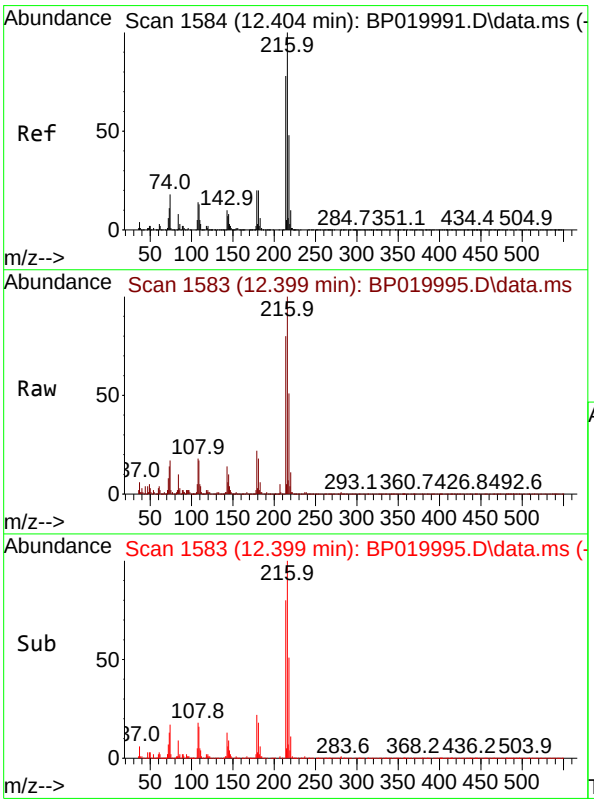
Ion	Ratio	Lower	Upper
142	100		
141	95.2	73.2	109.8
116	4.2	3.4	5.0

Instrument :
BNA_P
ClientSampleId :
MDL-MED-SOIL-QT1-2024-02

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 03/29/2024
Supervised By :mohammad ahmed 03/29/2024

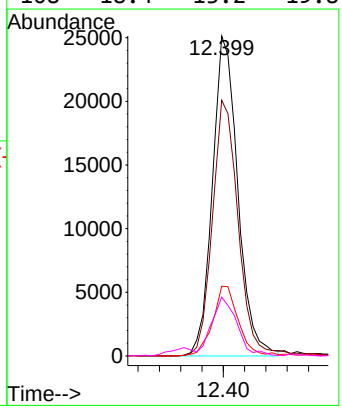


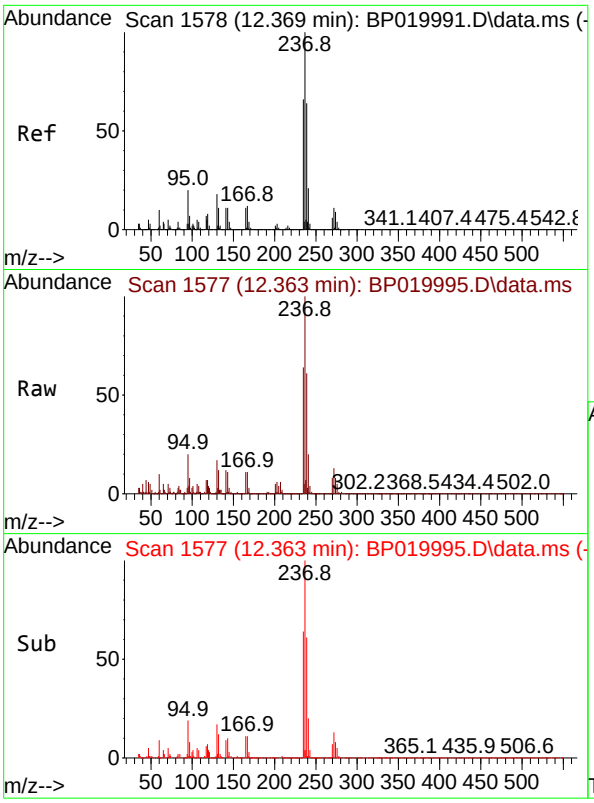


#39
1,2,4,5-Tetrachlorobenzene
Concen: 3.938 ng/ul
RT: 12.399 min Scan# 1583
Delta R.T. -0.000 min
Lab File: BP019995.D
Acq: 26 Mar 2024 12:46

Tgt Ion:216 Resp: 41658

Ion	Ratio	Lower	Upper
216	100		
214	79.9	62.1	93.1
179	21.8	16.6	24.8
108	18.4	13.2	19.8





#40
Hexachlorocyclopentadiene
Concen: 3.868 ng/ul
RT: 12.363 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP019995.D
Acq: 26 Mar 2024 12:46

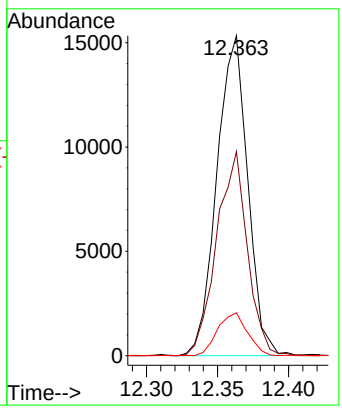
Tgt Ion:237 Resp: 2315

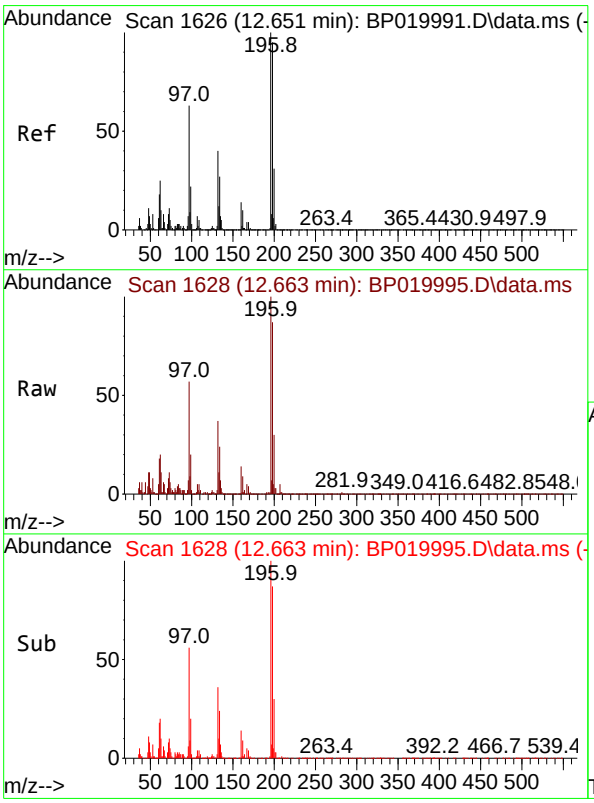
Ion	Ratio	Lower	Upper
237	100		
235	59.6	49.7	74.5
272	12.5	9.4	14.2

Instrument :
BNA_P
ClientSampleId :
MDL-MED-SOIL-QT1-2024-02

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 03/29/2024
Supervised By :mohammad ahmed 03/29/2024

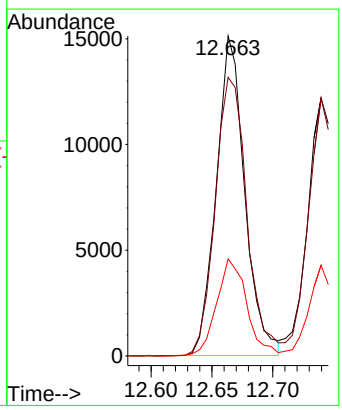


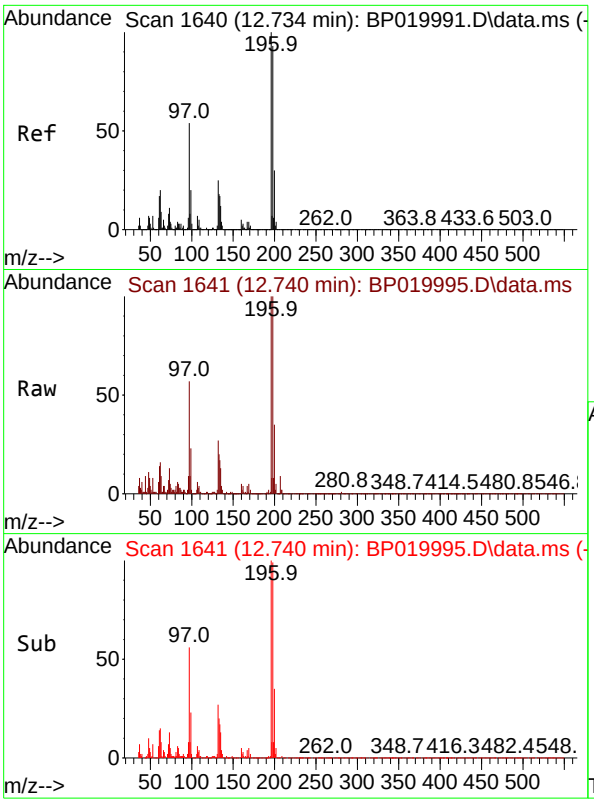


#41
2,4,6-Trichlorophenol
Concen: 3.788 ng/ul
RT: 12.663 min Scan# 1628
Delta R.T. 0.006 min
Lab File: BP019995.D
Acq: 26 Mar 2024 12:46

Tgt Ion:196 Resp: 24612

Ion	Ratio	Lower	Upper
196	100		
198	87.0	75.8	113.8
200	30.4	25.0	37.4





#42
2,4,5-Trichlorophenol
Concen: 4.012 ng/ul
RT: 12.740 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP019995.D
Acq: 26 Mar 2024 12:46

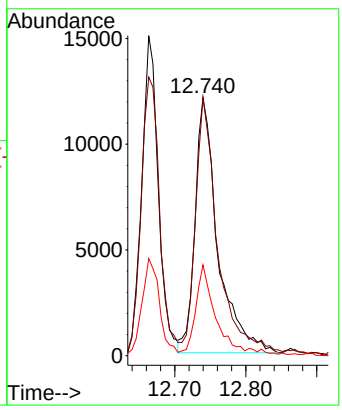
Tgt Ion:196 Resp: 2696

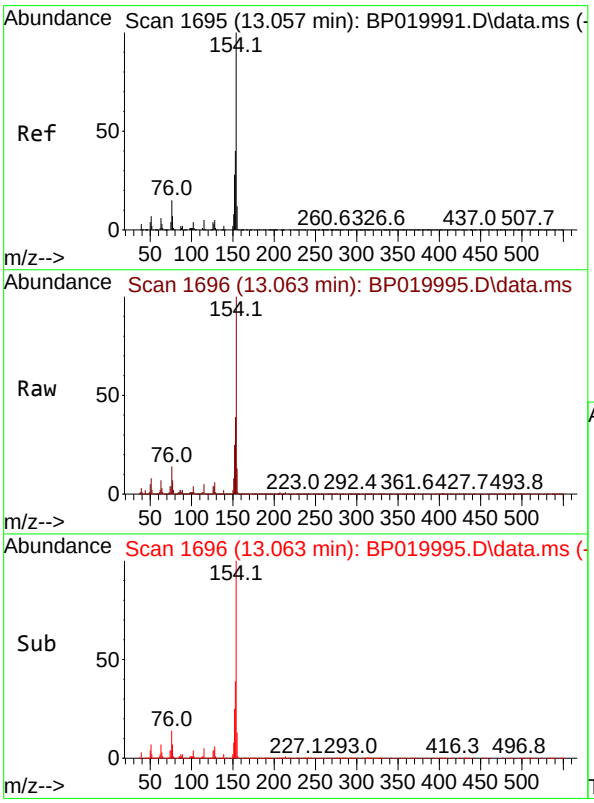
Ion	Ratio	Lower	Upper
196	100		
198	100.0	77.3	115.9
200	35.2	25.1	37.7

Instrument :
BNA_P
ClientSampleId :
MDL-MED-SOIL-QT1-2024-02

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 03/29/2024
Supervised By :mohammad ahmed 03/29/2024

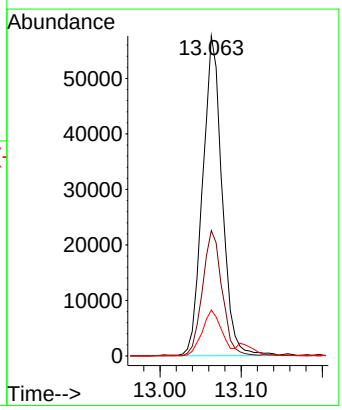


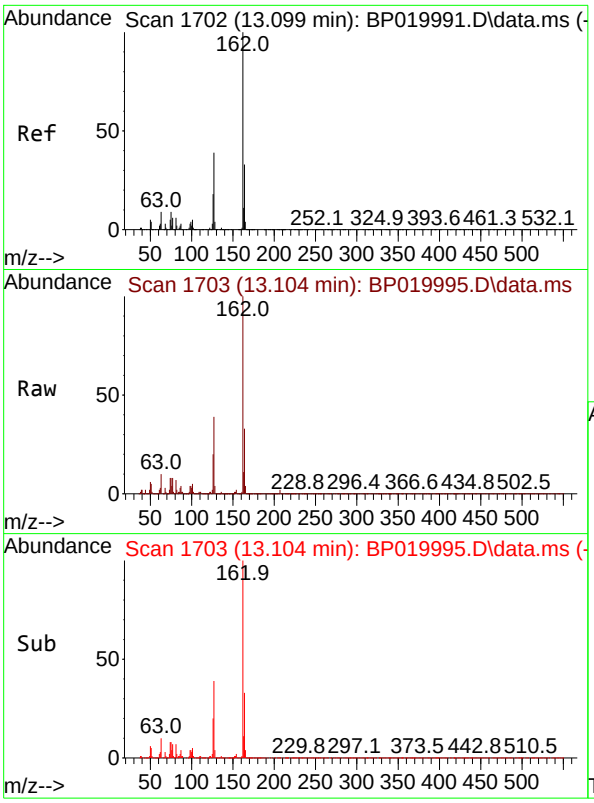


#43
1,1'-Biphenyl
Concen: 4.135 ng/ul
RT: 13.063 min Scan# 1696
Delta R.T. 0.006 min
Lab File: BP019995.D
Acq: 26 Mar 2024 12:46

Tgt Ion:154 Resp: 95791

Ion	Ratio	Lower	Upper
154	100		
153	39.2	31.6	47.4
76	14.4	11.4	17.0





#44
2-Chloronaphthalene
Concen: 4.077 ng/ul
RT: 13.104 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP019995.D
Acq: 26 Mar 2024 12:46

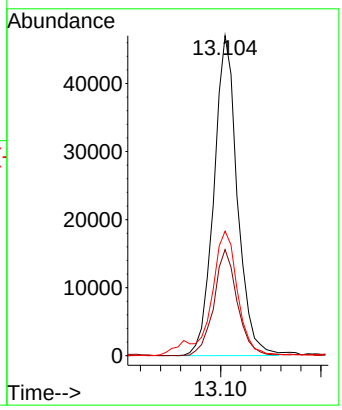
Tgt Ion:162 Resp: 7616

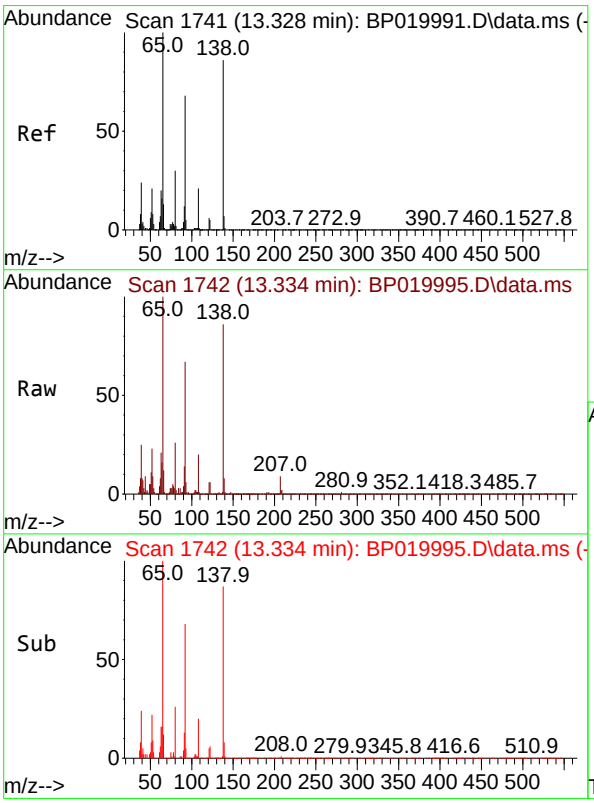
Ion	Ratio	Lower	Upper
162	100		
164	33.2	25.8	38.8
127	38.9	31.4	47.0

Instrument :
BNA_P
ClientSampleId :
MDL-MED-SOIL-QT1-2024-02

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 03/29/2024
Supervised By :mohammad ahmed 03/29/2024

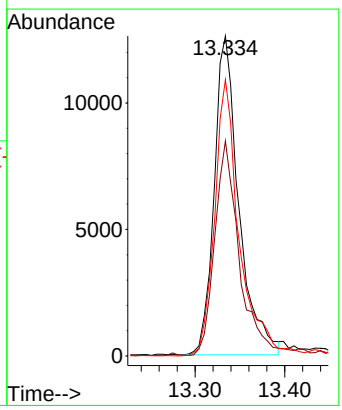


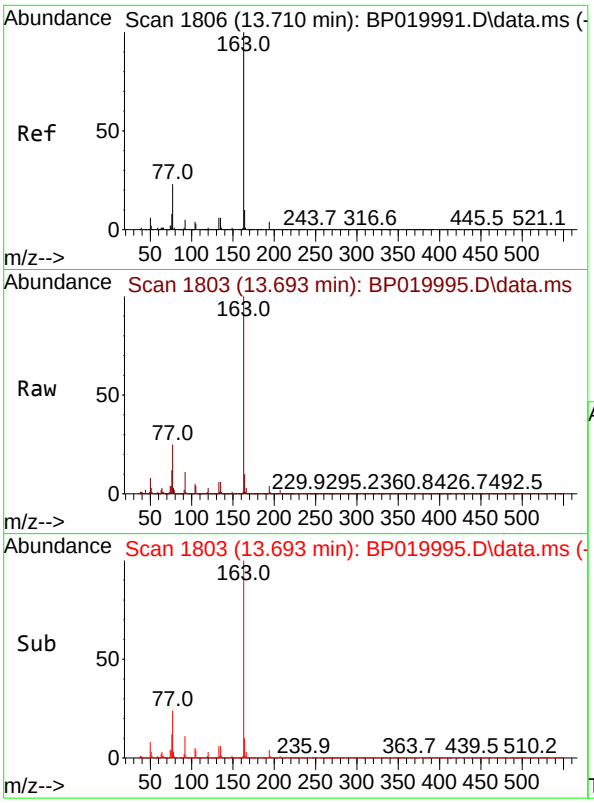


#45
2-Nitroaniline
Concen: 4.094 ng/ul
RT: 13.334 min Scan# 1742
Delta R.T. 0.006 min
Lab File: BP019995.D
Acq: 26 Mar 2024 12:46

Tgt Ion: 65 Resp: 24096

Ion	Ratio	Lower	Upper
65	100		
92	67.2	51.8	77.6
138	86.4	70.6	106.0





#47
Dimethylphthalate
Concen: 4.548 ng/ul
RT: 13.693 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP019995.D
Acq: 26 Mar 2024 12:46

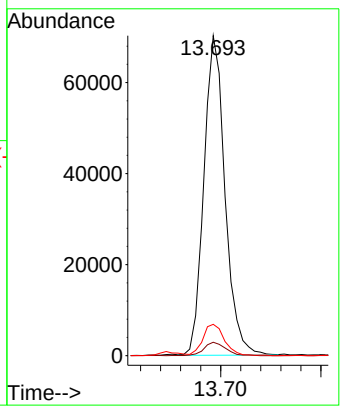
Tgt Ion:163 Resp: 10297

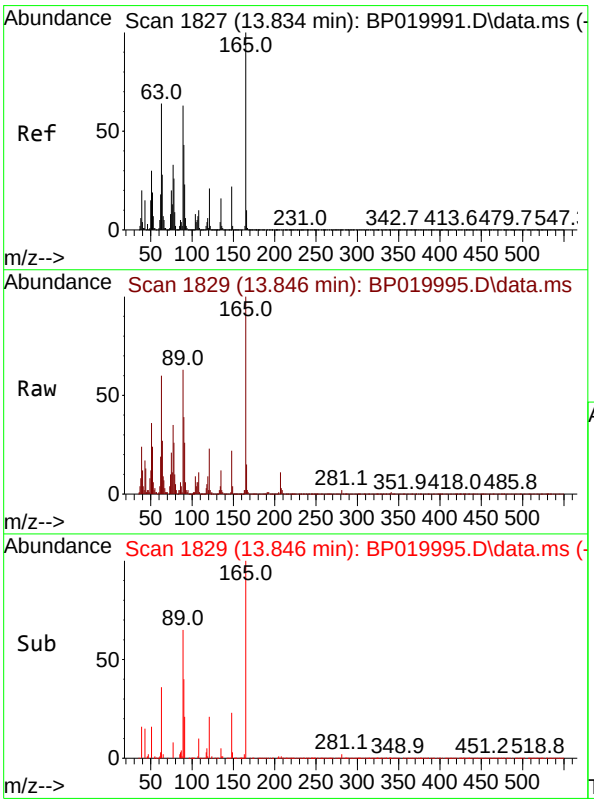
Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.3	4.9
164	9.8	8.0	12.0

Instrument :
BNA_P
ClientSampleId :
MDL-MED-SOIL-QT1-2024-02

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 03/29/2024
Supervised By :mohammad ahmed 03/29/2024

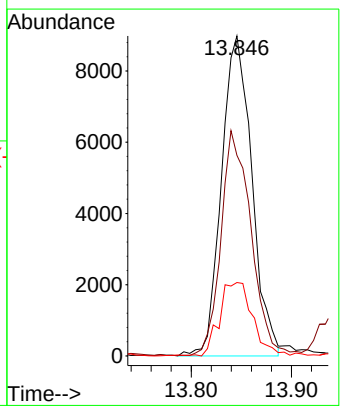


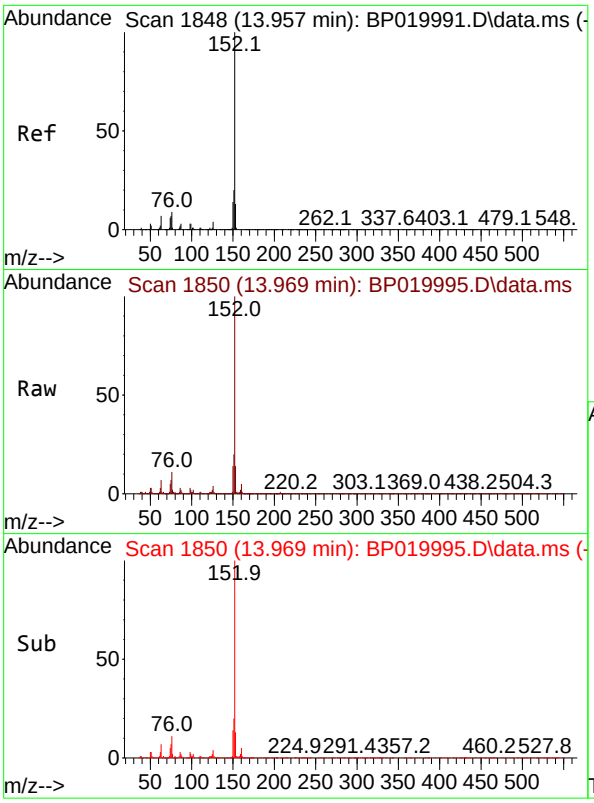


#48
2,6-Dinitrotoluene
Concen: 4.115 ng/ul
RT: 13.846 min Scan# 1829
Delta R.T. 0.012 min
Lab File: BP019995.D
Acq: 26 Mar 2024 12:46

Tgt Ion:165 Resp: 18914

Ion	Ratio	Lower	Upper
165	100		
89	62.7	54.3	81.5
121	23.0	19.0	28.4





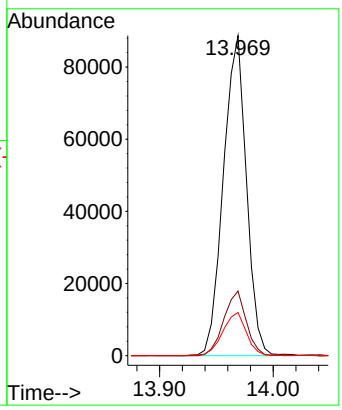
#50
Acenaphthylene
Concen: 4.261 ng/ul
RT: 13.969 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP019995.D
Acq: 26 Mar 2024 12:46

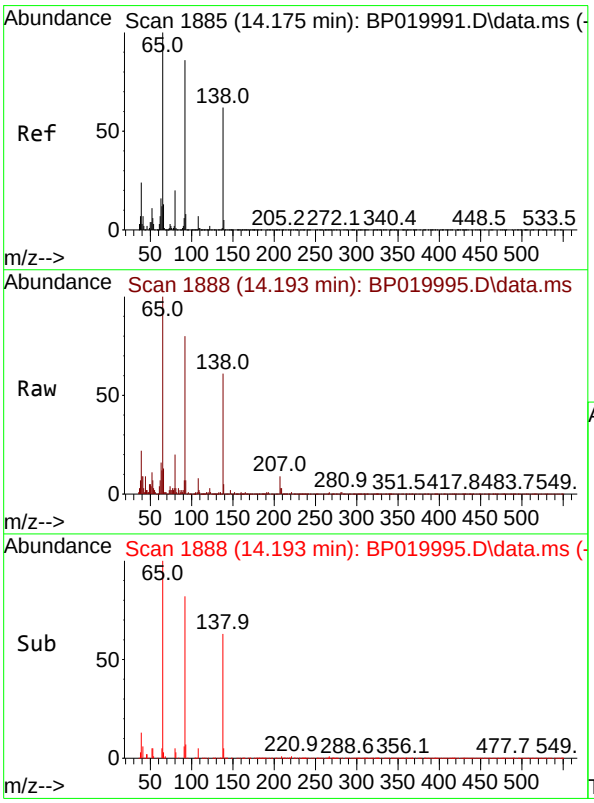
Tgt Ion:152 Resp: 12484

Ion	Ratio	Lower	Upper
152	100		
151	20.2	15.8	23.6
153	13.5	10.9	16.3

Instrument :
BNA_P
ClientSampleId :
MDL-MED-SOIL-QT1-2024-02

Manual Integrations
APPROVED
Reviewed By :Yogesh Patel 03/29/2024
Supervised By :mohammad ahmed 03/29/2024

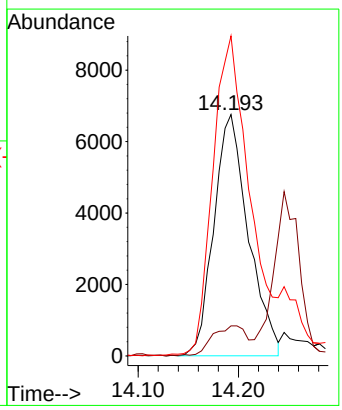


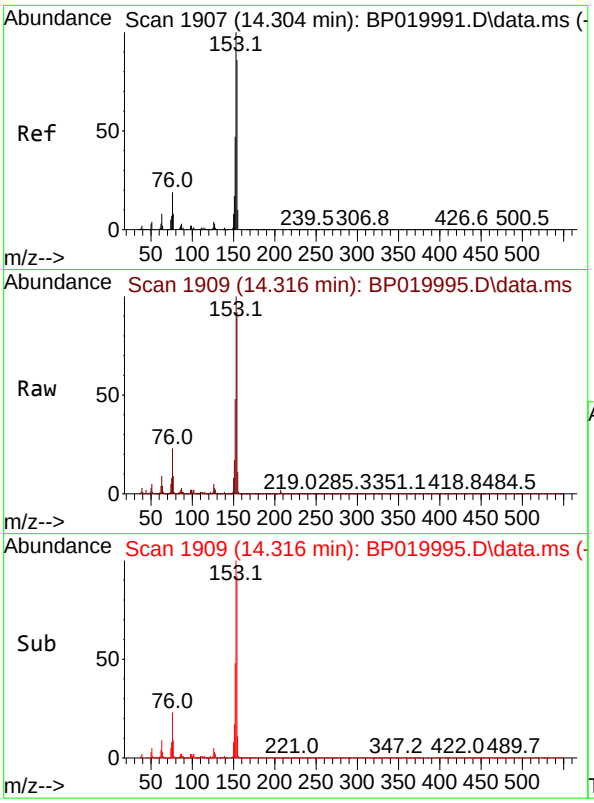


#51
3-Nitroaniline
Concen: 3.811 ng/ul
RT: 14.193 min Scan# 1888
Delta R.T. 0.029 min
Lab File: BP019995.D
Acq: 26 Mar 2024 12:46

Tgt Ion:138 Resp: 16134

Ion	Ratio	Lower	Upper
138	100		
108	12.4	10.5	15.7
92	132.5	103.4	155.0





#52
Acenaphthene
Concen: 4.339 ng/ul
RT: 14.316 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP019995.D
Acq: 26 Mar 2024 12:46

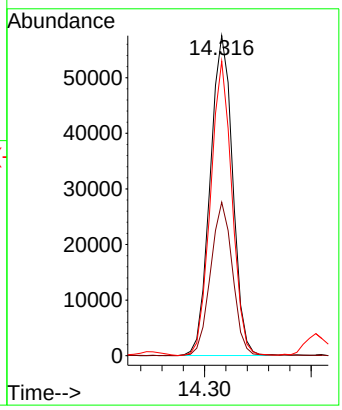
Tgt Ion:153 Resp: 8446

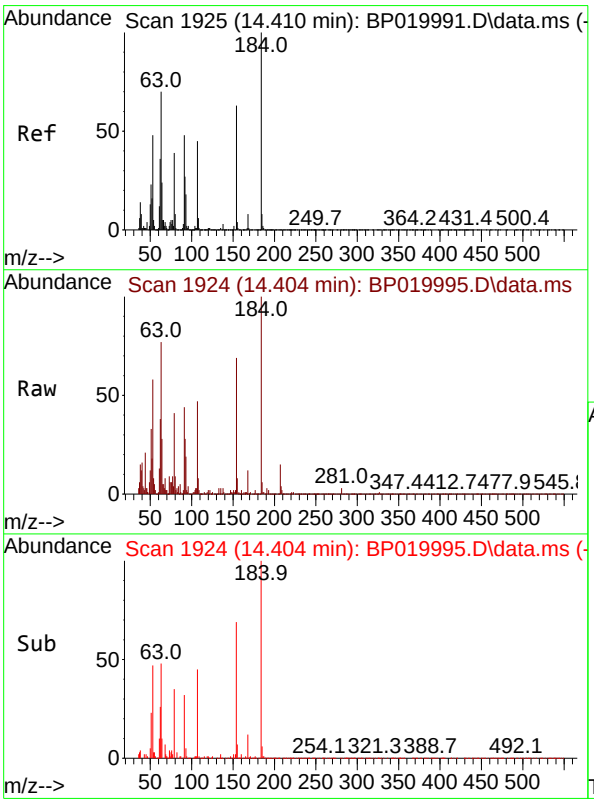
Ion	Ratio	Lower	Upper
153	100		
152	47.9	37.9	56.9
154	92.1	70.8	106.2

Instrument :
BNA_P
ClientSampleId :
MDL-MED-SOIL-QT1-2024-02

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 03/29/2024
Supervised By :mohammad ahmed 03/29/2024

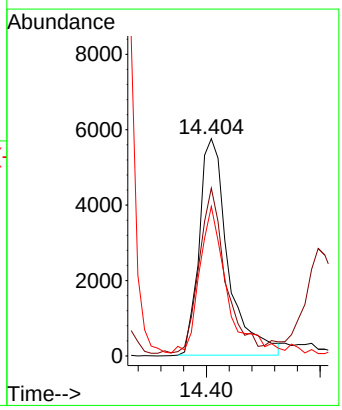


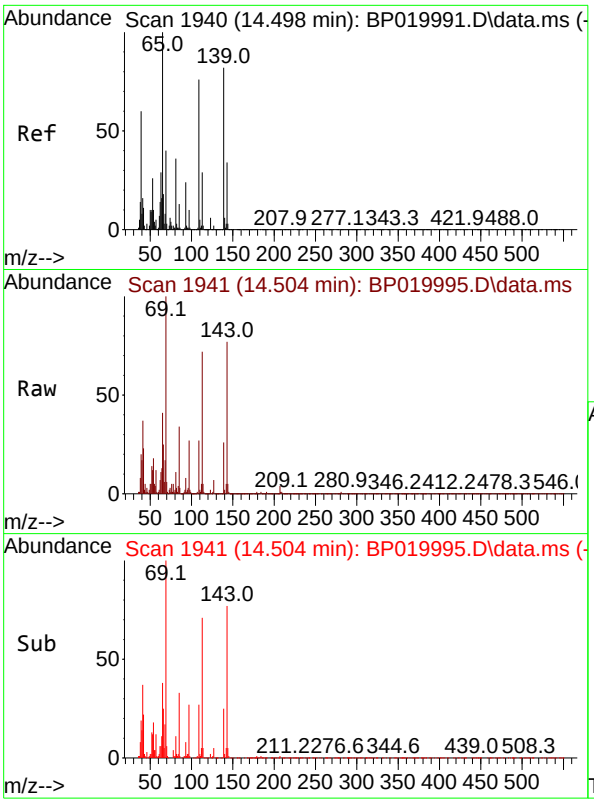


#53
2,4-Dinitrophenol
Concen: 3.883 ng/ul
RT: 14.404 min Scan# 1924
Delta R.T. 0.006 min
Lab File: BP019995.D
Acq: 26 Mar 2024 12:46

Tgt Ion:184 Resp: 10159

Ion	Ratio	Lower	Upper
184	100		
63	77.3	60.8	91.2
154	68.8	55.6	83.4





#55
4-Nitrophenol
Concen: 4.356 ng/ul
RT: 14.504 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP019995.D
Acq: 26 Mar 2024 12:46

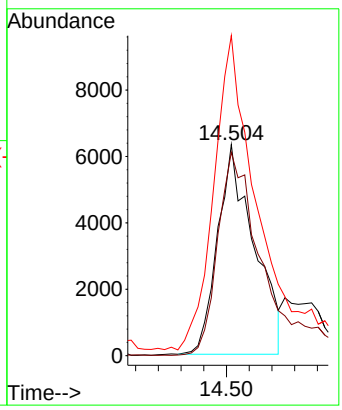
Tgt Ion:109 Resp: 1409

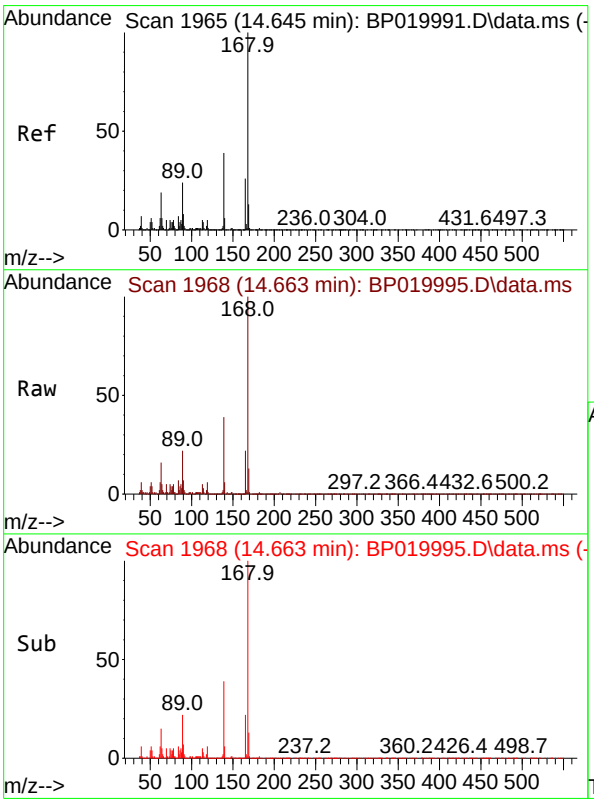
Ion	Ratio	Lower	Upper
109	100		
139	96.3	93.3	139.9
65	151.6	109.9	164.9

Instrument :
BNA_P
ClientSampleId :
MDL-MED-SOIL-QT1-2024-02

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 03/29/2024
Supervised By :mohammad ahmed 03/29/2024

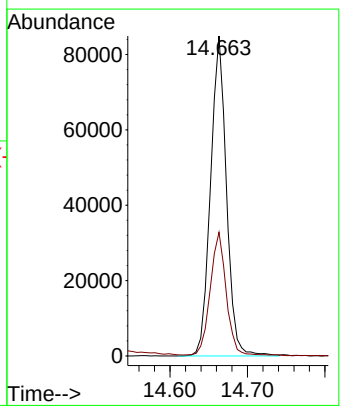


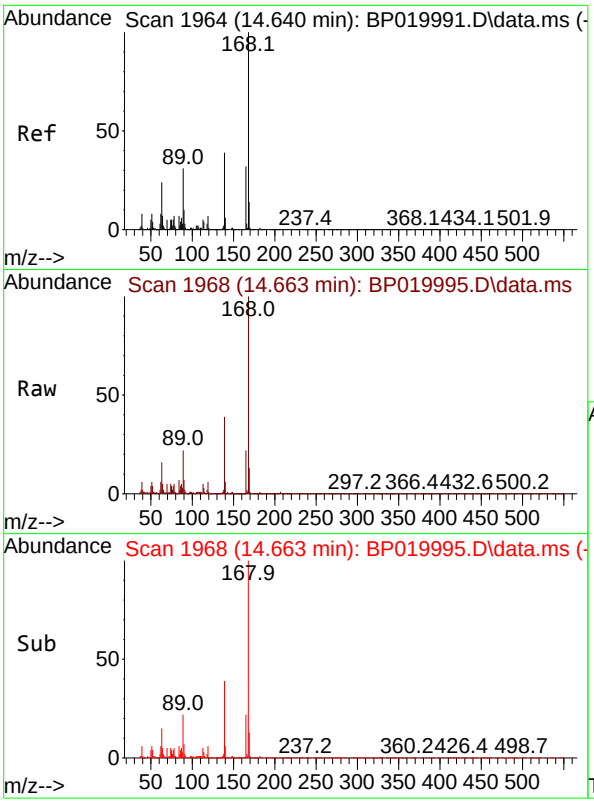


#56
Dibenzofuran
Concen: 4.575 ng/ul
RT: 14.663 min Scan# 1968
Delta R.T. 0.006 min
Lab File: BP019995.D
Acq: 26 Mar 2024 12:46

Tgt Ion:168 Resp: 120944

Ion	Ratio	Lower	Upper
168	100		
139	38.7	29.8	44.8





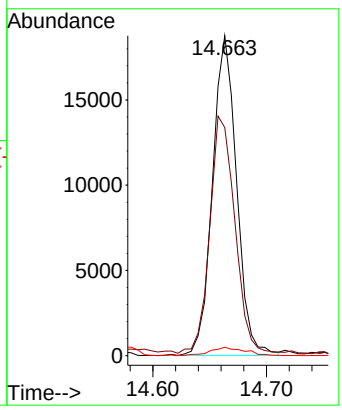
#57
2,4-Dinitrotoluene
Concen: 4.395 ng/ul
RT: 14.663 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP019995.D
Acq: 26 Mar 2024 12:46

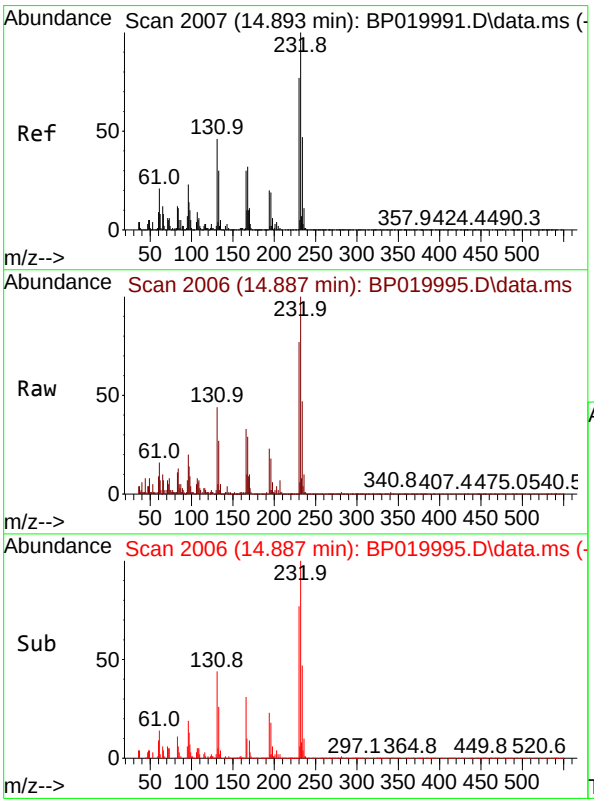
Tgt Ion:165 Resp: 2762

Ion	Ratio	Lower	Upper
165	100		
63	71.3	55.9	83.9
182	2.6	2.4	3.6

Instrument :
BNA_P
ClientSampleId :
MDL-MED-SOIL-QT1-2024-02

Manual Integrations
APPROVED
Reviewed By :Yogesh Patel 03/29/2024
Supervised By :mohammad ahmed 03/29/2024

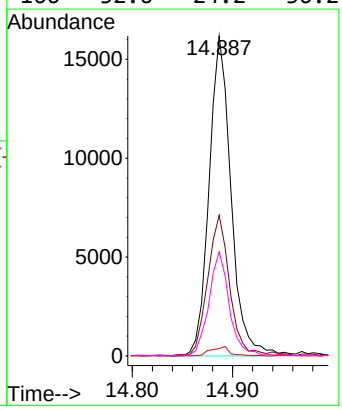


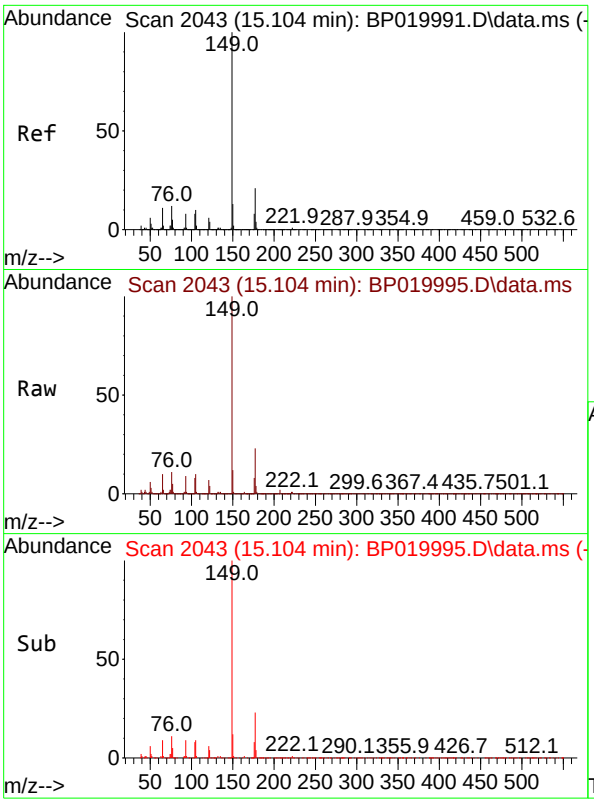


#58
2,3,4,6-Tetrachlorophenol
Concen: 4.272 ng/ul
RT: 14.887 min Scan# 2006
Delta R.T. 0.006 min
Lab File: BP019995.D
Acq: 26 Mar 2024 12:46

Tgt Ion:232 Resp: 24620

Ion	Ratio	Lower	Upper
232	100		
131	44.0	34.2	51.2
130	2.3	1.8	2.6
166	32.6	24.2	36.2





#59
Diethylphthalate
Concen: 4.636 ng/ul
RT: 15.104 min Scan# 2(
Delta R.T. 0.006 min
Lab File: BP019995.D
Acq: 26 Mar 2024 12:46

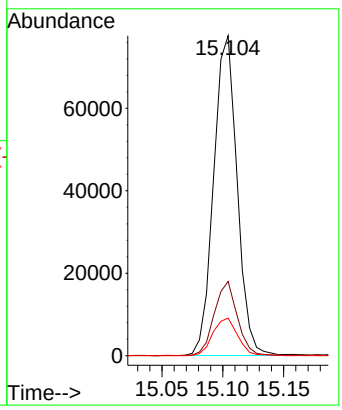
Tgt Ion:149 Resp: 10409

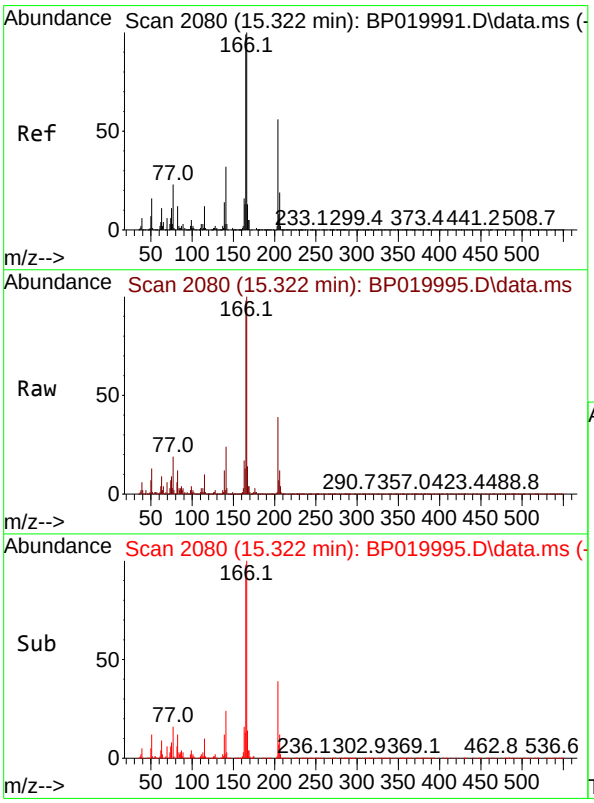
Ion	Ratio	Lower	Upper
149	100		
177	23.2	17.0	25.6
150	11.7	9.7	14.5

Instrument :
BNA_P
ClientSampleId :
MDL-MED-SOIL-QT1-2024-02

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 03/29/2024
Supervised By :mohammad ahmed 03/29/2024

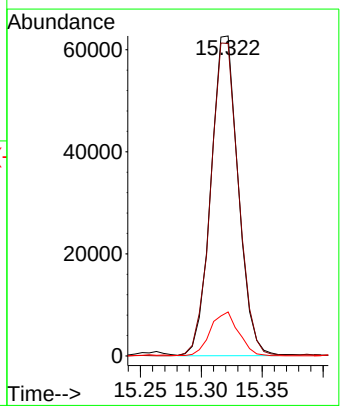


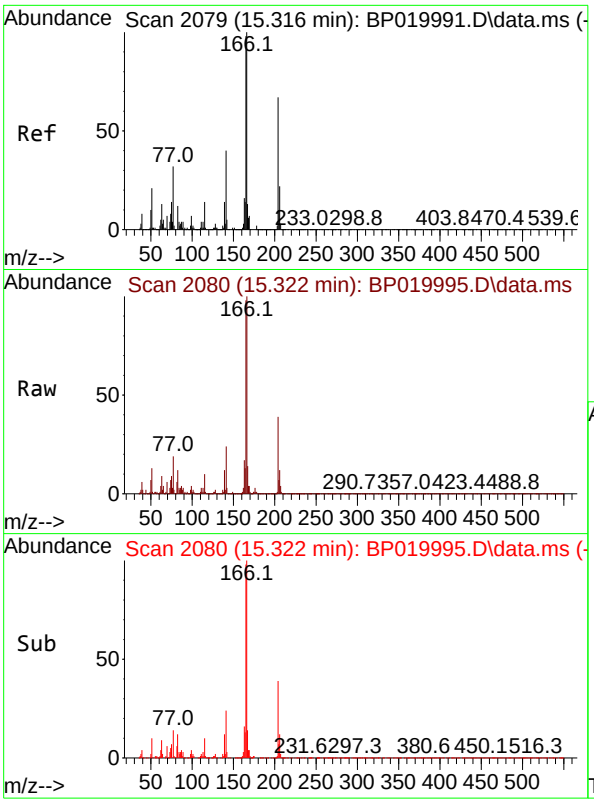


#61
Fluorene
Concen: 4.527 ng/ul
RT: 15.322 min Scan# 2080
Delta R.T. 0.006 min
Lab File: BP019995.D
Acq: 26 Mar 2024 12:46

Tgt Ion:166 Resp: 97614

Ion	Ratio	Lower	Upper
166	100		
165	97.6	79.2	118.8
167	13.7	11.1	16.7





#62
4-Chlorophenyl-phenylether
Concen: 4.462 ng/ul
RT: 15.322 min Scan# 2(
Delta R.T. 0.012 min
Lab File: BP019995.D
Acq: 26 Mar 2024 12:46

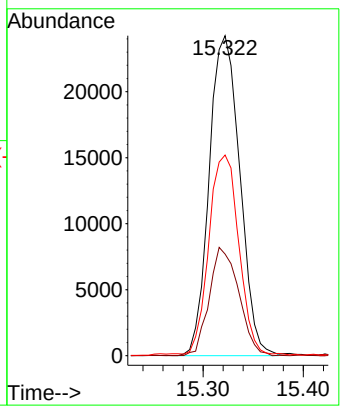
Instrument :
BNA_P
ClientSampleId :
MDL-MED-SOIL-QT1-2024-02

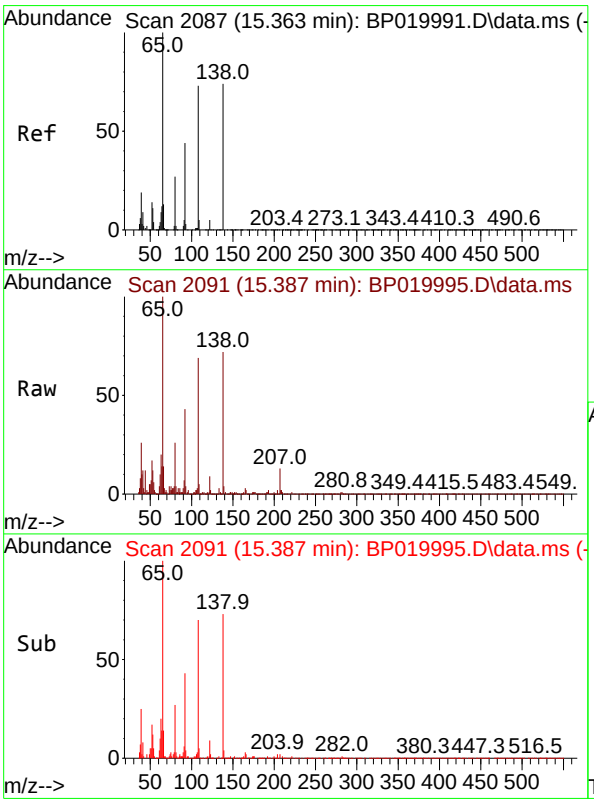
Tgt Ion:204 Resp: 5153

Ion	Ratio	Lower	Upper
204	100		
206	31.7	26.2	39.2
141	62.7	47.8	71.6

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 03/29/2024
Supervised By :mohammad ahmed 03/29/2024

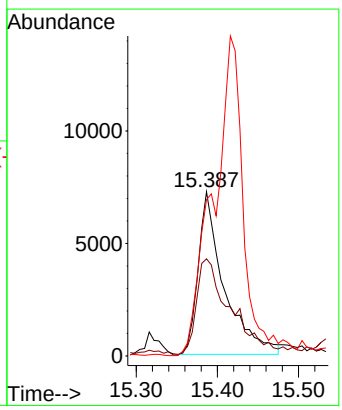


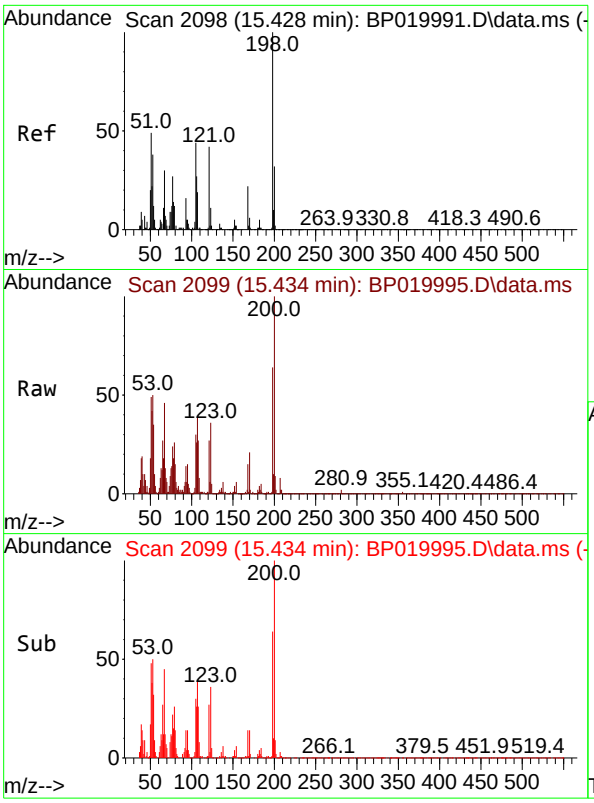


#63
4-Nitroaniline
Concen: 4.446 ng/ul
RT: 15.387 min Scan# 2091
Delta R.T. 0.012 min
Lab File: BP019995.D
Acq: 26 Mar 2024 12:46

Tgt Ion:138 Resp: 16075

Ion	Ratio	Lower	Upper
138	100		
92	59.2	51.0	76.6
108	95.3	74.7	112.1





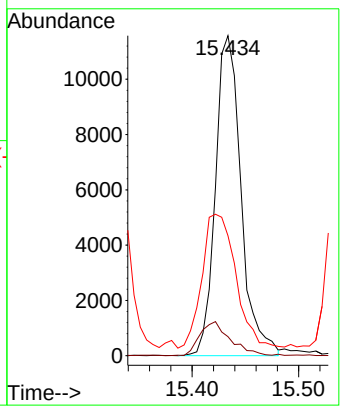
#66
4,6-Dinitro-2-methylphenol
Concen: 4.192 ng/ul
RT: 15.434 min Scan# 2(
Delta R.T. -0.000 min
Lab File: BP019995.D
Acq: 26 Mar 2024 12:46

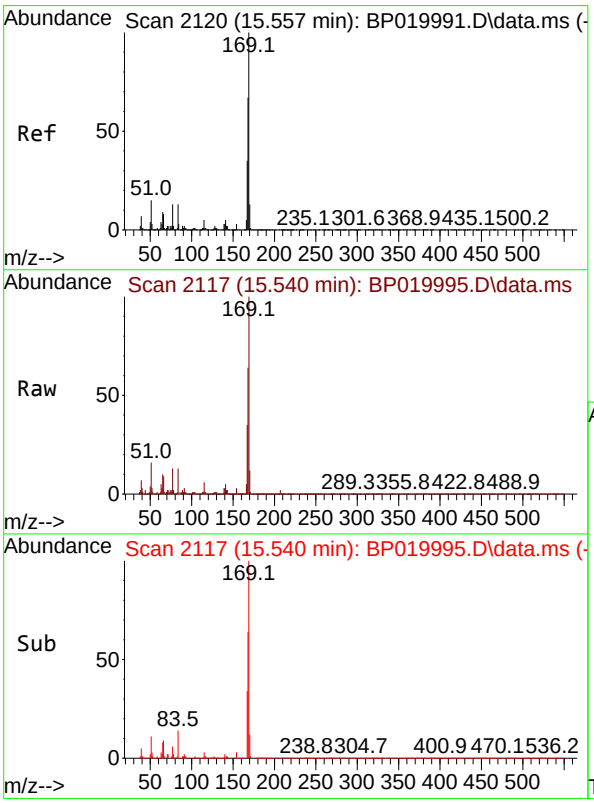
Tgt Ion:198 Resp: 1930(

Ion	Ratio	Lower	Upper
198	100		
182	6.0	3.6	5.4#
77	37.5	22.1	33.1#

Instrument :
BNA_P
ClientSampleId :
MDL-MED-SOIL-QT1-2024-02

Manual Integrations
APPROVED
Reviewed By :Yogesh Patel 03/29/2024
Supervised By :mohammad ahmed 03/29/2024

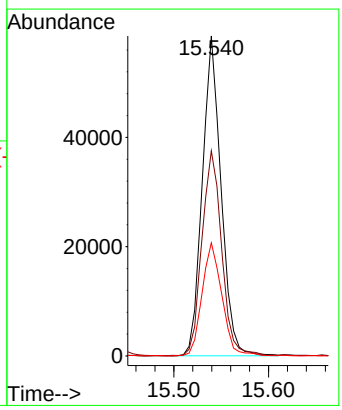


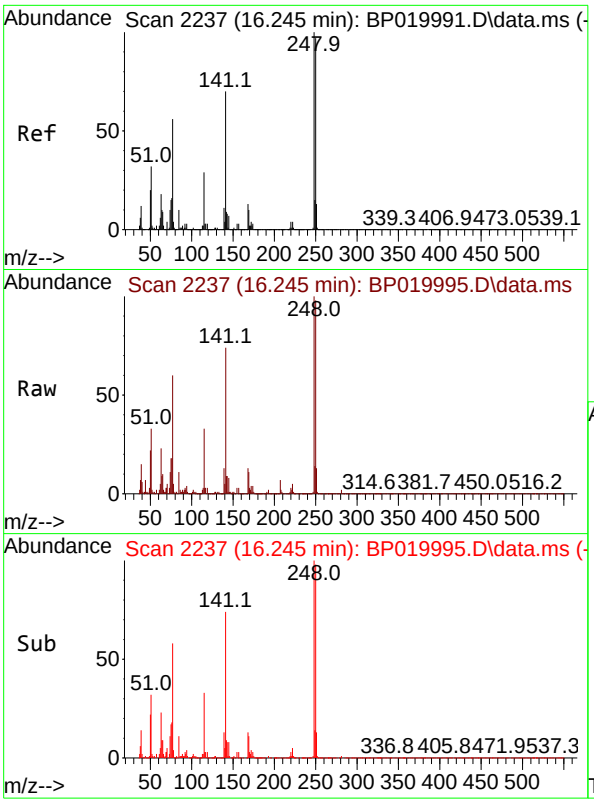


#67
N-Nitrosodiphenylamine
Concen: 4.025 ng/ul
RT: 15.540 min Scan# 2117
Delta R.T. -0.000 min
Lab File: BP019995.D
Acq: 26 Mar 2024 12:46

Tgt Ion:169 Resp: 80573

Ion	Ratio	Lower	Upper
169	100		
168	64.1	52.5	78.7
167	35.4	28.0	42.0





#68
4-Bromophenyl-phenylether
Concen: 3.972 ng/ul
RT: 16.245 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP019995.D
Acq: 26 Mar 2024 12:46

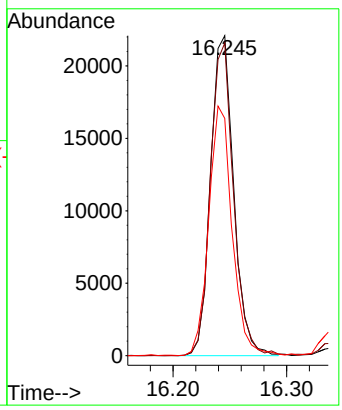
Tgt Ion:248 Resp: 3124

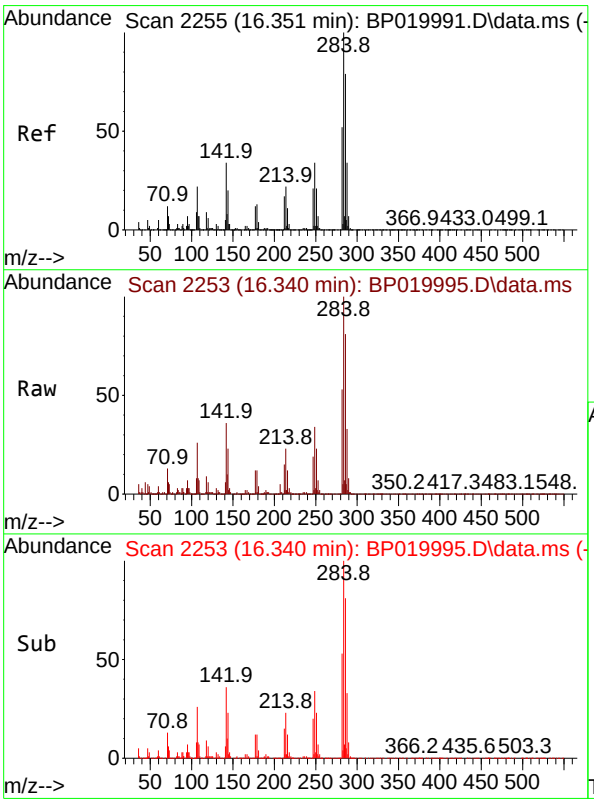
Ion	Ratio	Lower	Upper
248	100		
250	97.7	76.3	114.5
141	74.2	56.8	85.2

Instrument :
BNA_P
ClientSampleId :
MDL-MED-SOIL-QT1-2024-02

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 03/29/2024
Supervised By :mohammad ahmed 03/29/2024

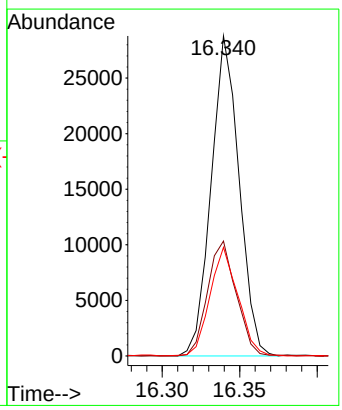


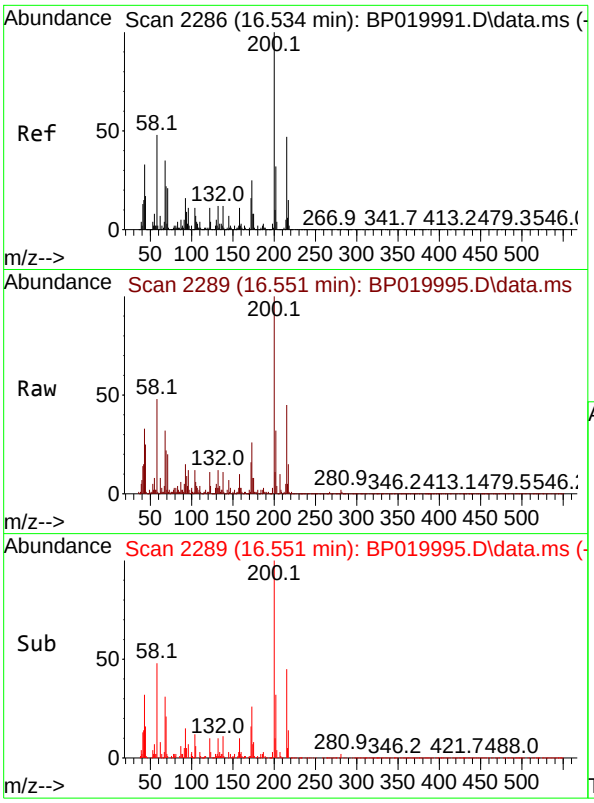


#69
Hexachlorobenzene
Concen: 4.130 ng/ul
RT: 16.340 min Scan# 2253
Delta R.T. -0.006 min
Lab File: BP019995.D
Acq: 26 Mar 2024 12:46

Tgt Ion:284 Resp: 36072

Ion	Ratio	Lower	Upper
284	100		
142	35.9	28.2	42.2
249	33.9	27.5	41.3





#70
Atrazine
Concen: 4.414 ng/ul
RT: 16.551 min Scan# 2
Delta R.T. 0.012 min
Lab File: BP019995.D
Acq: 26 Mar 2024 12:46

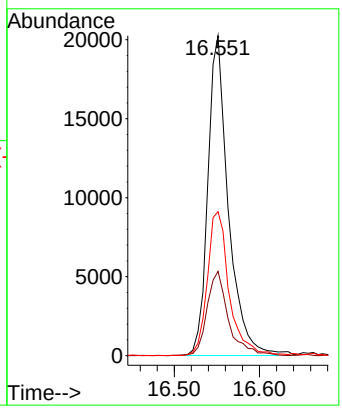
Tgt Ion:200 Resp: 3385

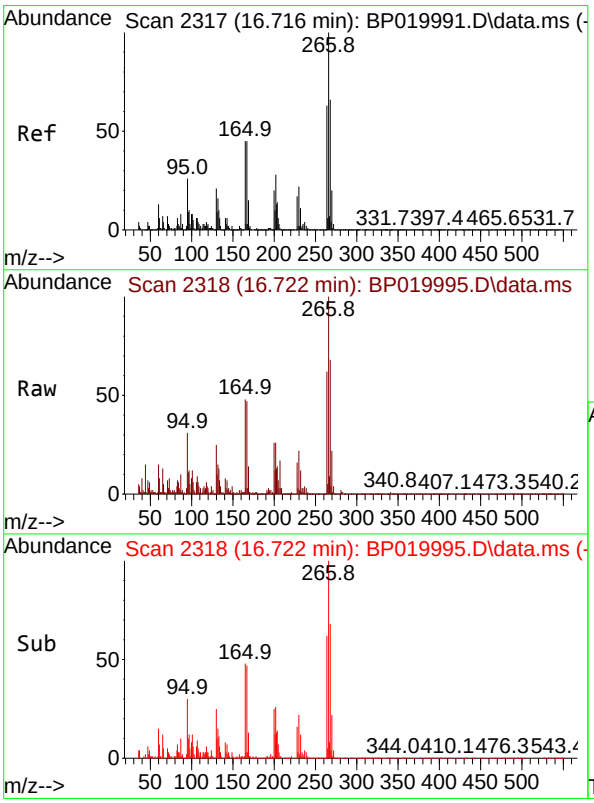
Ion	Ratio	Lower	Upper
200	100		
173	26.3	19.0	28.6
215	45.0	37.4	56.0

Instrument :
BNA_P
ClientSampleId :
MDL-MED-SOIL-QT1-2024-02

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 03/29/2024
Supervised By :mohammad ahmed 03/29/2024

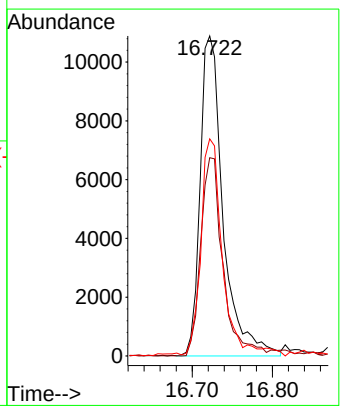


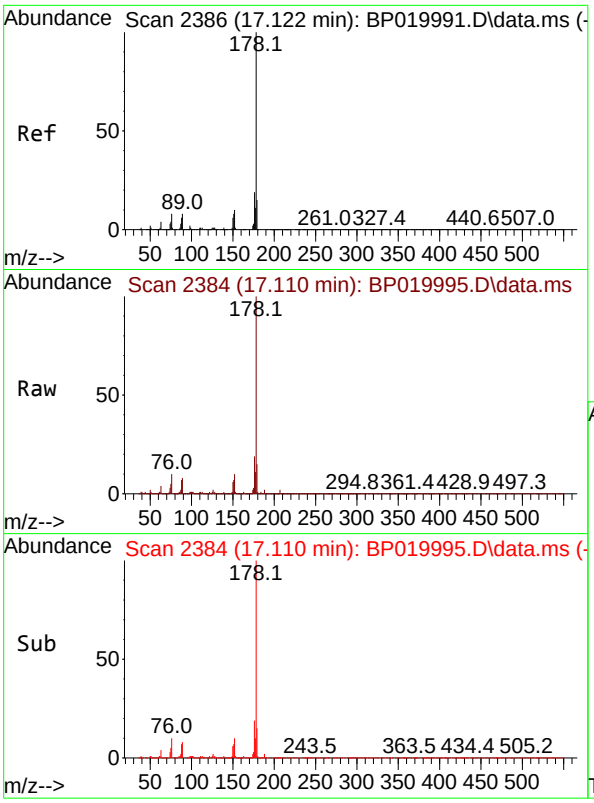


#71
Pentachlorophenol
Concen: 4.221 ng/ul m
RT: 16.722 min Scan# 2318
Delta R.T. 0.006 min
Lab File: BP019995.D
Acq: 26 Mar 2024 12:46

Tgt Ion:266 Resp: 21613

Ion	Ratio	Lower	Upper
266	100		
264	62.0	49.9	74.9
268	67.9	52.5	78.7





#72
Phenanthrene
Concen: 4.290 ng/ul
RT: 17.110 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP019995.D
Acq: 26 Mar 2024 12:46

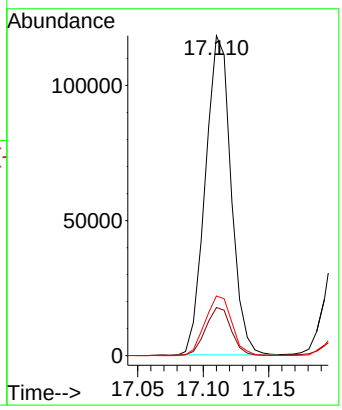
Tgt Ion:178 Resp: 16075

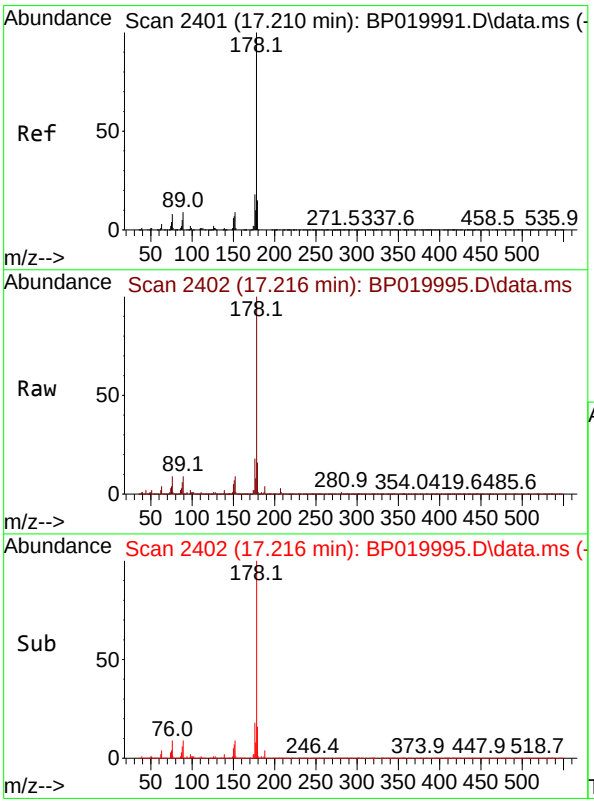
Ion	Ratio	Lower	Upper
178	100		
179	15.0	12.2	18.2
176	18.7	15.3	22.9

Instrument :
BNA_P
ClientSampleId :
MDL-MED-SOIL-QT1-2024-02

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 03/29/2024
Supervised By :mohammad ahmed 03/29/2024

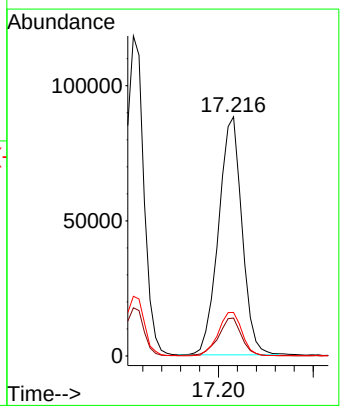


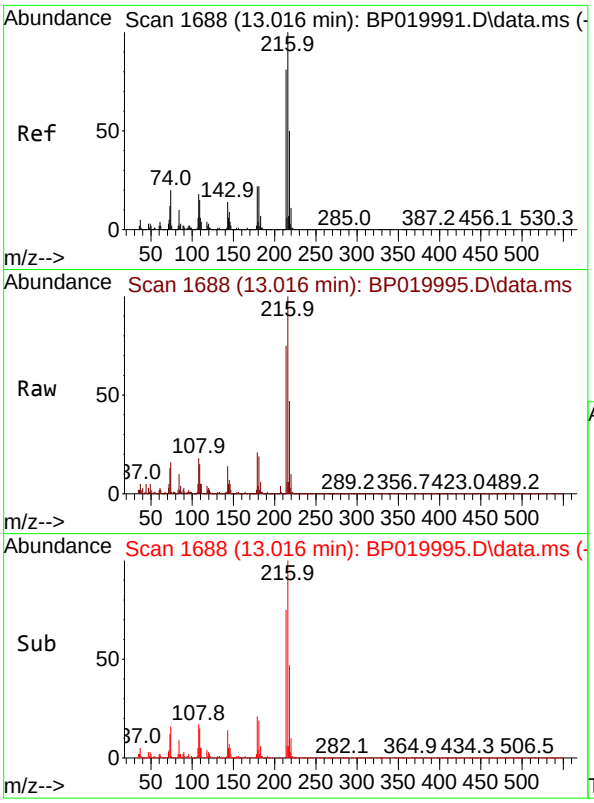


#74
Anthracene
Concen: 3.982 ng/ul
RT: 17.216 min Scan# 2402
Delta R.T. 0.012 min
Lab File: BP019995.D
Acq: 26 Mar 2024 12:46

Tgt Ion:178 Resp: 151508

Ion	Ratio	Lower	Upper
178	100		
179	15.8	12.2	18.2
176	18.2	14.8	22.2





#75
1,2,3,4-Tetrachlorobenzene
Concen: 3.530 ng/uL
RT: 13.016 min Scan# 1(
Delta R.T. -0.000 min
Lab File: BP019995.D
Acq: 26 Mar 2024 12:46

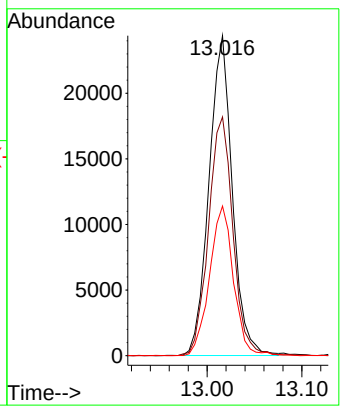
Tgt Ion:216 Resp: 4170

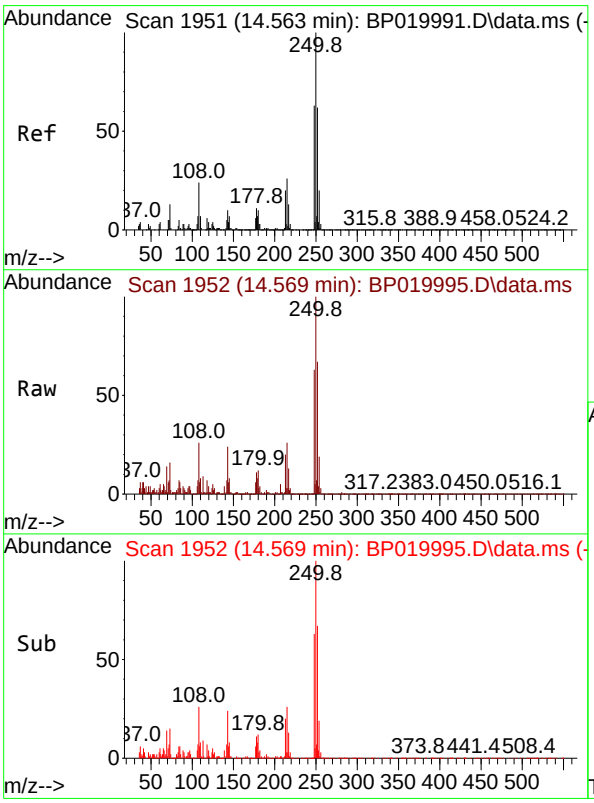
Ion	Ratio	Lower	Upper
216	100		
214	74.6	62.2	93.4
218	46.8	39.9	59.9

Instrument :
BNA_P
ClientSampleId :
MDL-MED-SOIL-QT1-2024-02

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 03/29/2024
Supervised By :mohammad ahmed 03/29/2024

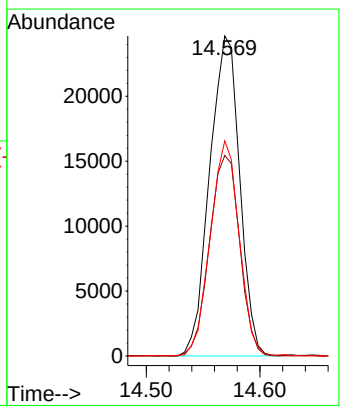


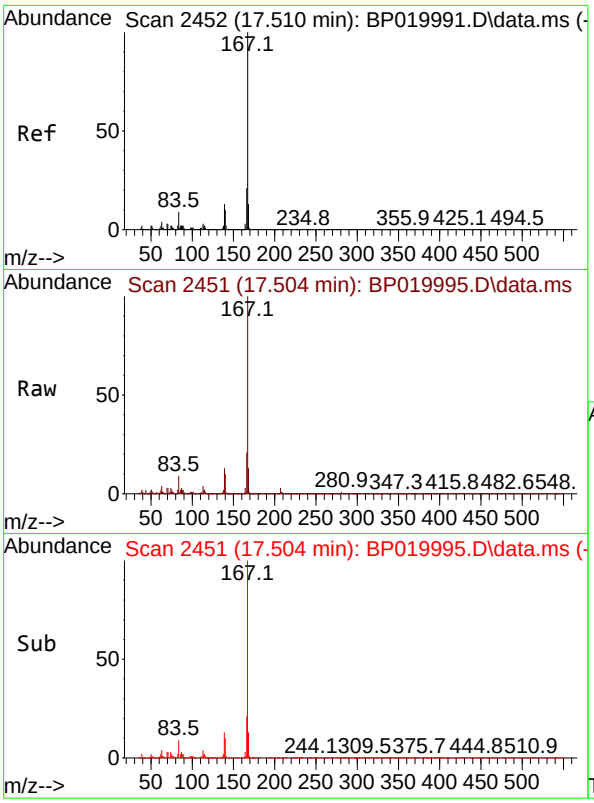


#76
Pentachlorobenzene
Concen: 4.138 ng/uL
RT: 14.569 min Scan# 1952
Delta R.T. 0.006 min
Lab File: BP019995.D
Acq: 26 Mar 2024 12:46

Tgt Ion:250 Resp: 45288

Ion	Ratio	Lower	Upper
250	100		
248	62.7	51.3	76.9
252	67.2	51.1	76.7





#77
Carbazole
Concen: 4.291 ng/ul
RT: 17.504 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP019995.D
Acq: 26 Mar 2024 12:46

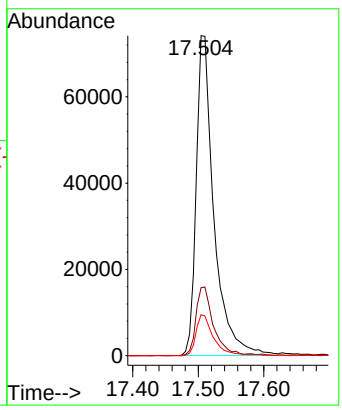
Tgt Ion:167 Resp: 13960

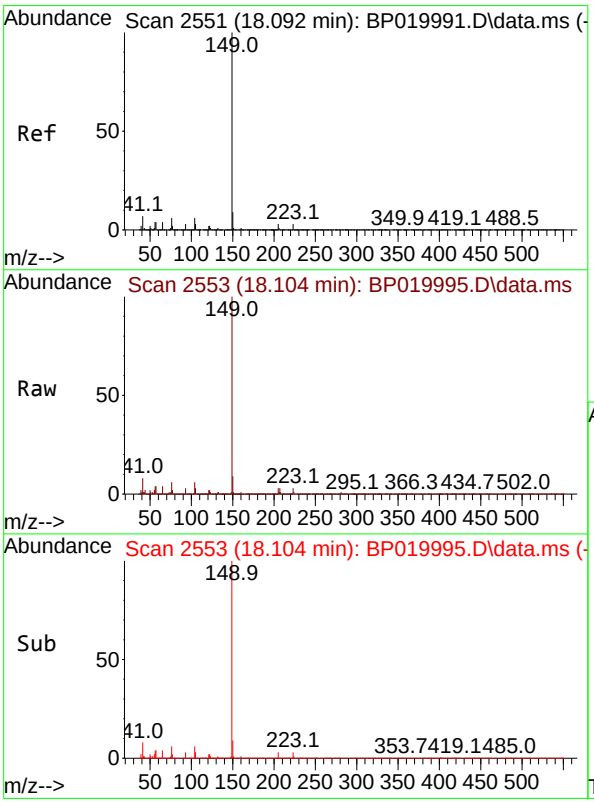
Ion	Ratio	Lower	Upper
167	100		
166	21.2	16.8	25.2
139	12.8	10.2	15.4

Instrument :
BNA_P
ClientSampleId :
MDL-MED-SOIL-QT1-2024-02

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 03/29/2024
Supervised By :mohammad ahmed 03/29/2024

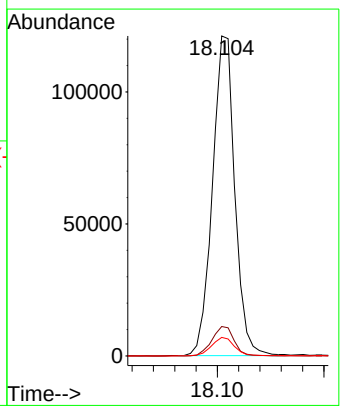


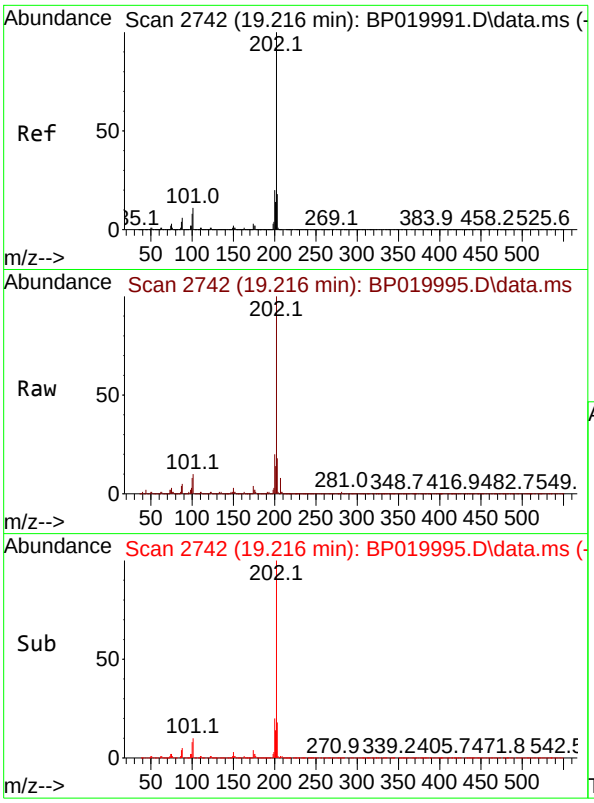


#78
Di-n-butylphthalate
Concen: 4.330 ng/ul
RT: 18.104 min Scan# 2553
Delta R.T. 0.012 min
Lab File: BP019995.D
Acq: 26 Mar 2024 12:46

Tgt Ion:149 Resp: 175879

Ion	Ratio	Lower	Upper
149	100		
150	9.2	7.0	10.6
104	5.8	4.2	6.4





#80
Fluoranthene
Concen: 3.825 ng/ul
RT: 19.216 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP019995.D
Acq: 26 Mar 2024 12:46

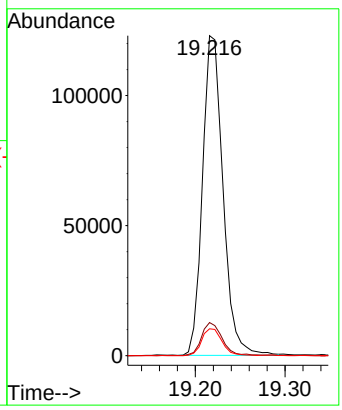
Tgt Ion:202 Resp: 19525

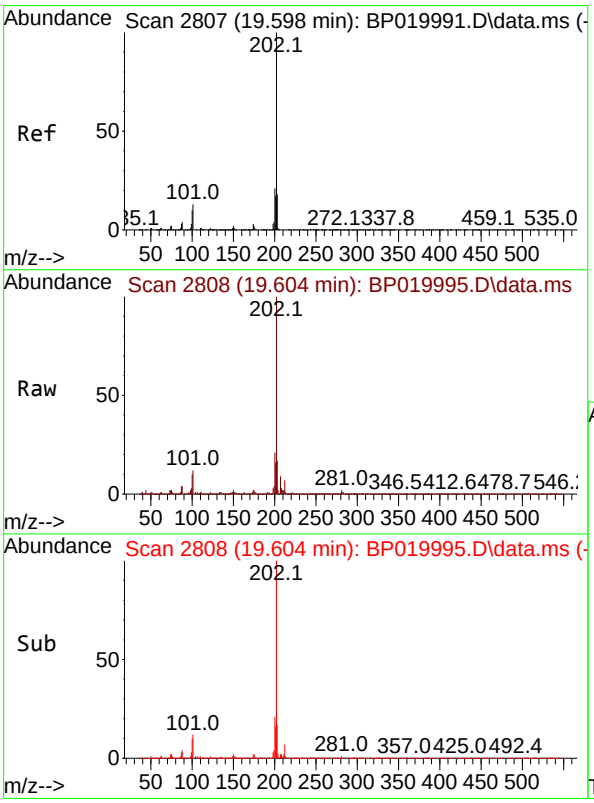
Ion	Ratio	Lower	Upper
202	100		
101	10.4	8.8	13.2
100	8.4	6.6	9.8

Instrument :
BNA_P
ClientSampleId :
MDL-MED-SOIL-QT1-2024-02

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 03/29/2024
Supervised By :mohammad ahmed 03/29/2024

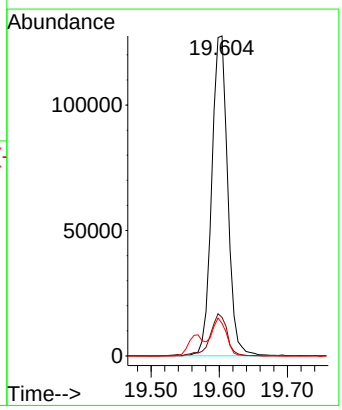


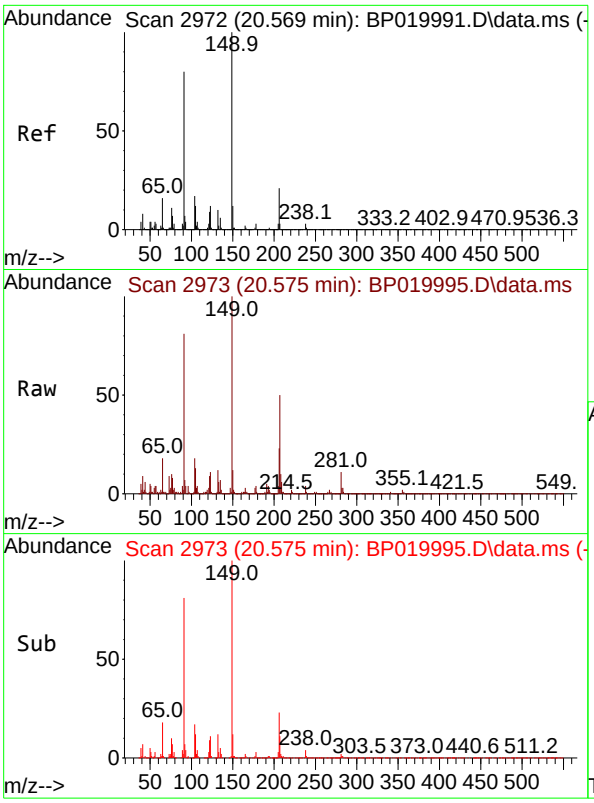


#82
Pyrene
Concen: 3.925 ng/ul
RT: 19.604 min Scan# 2808
Delta R.T. 0.006 min
Lab File: BP019995.D
Acq: 26 Mar 2024 12:46

Tgt Ion:202 Resp: 208231

Ion	Ratio	Lower	Upper
202	100		
101	12.0	9.4	14.2
100	10.2	7.7	11.5





#83
Butylbenzylphthalate
Concen: 3.847 ng/ul
RT: 20.575 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP019995.D
Acq: 26 Mar 2024 12:46

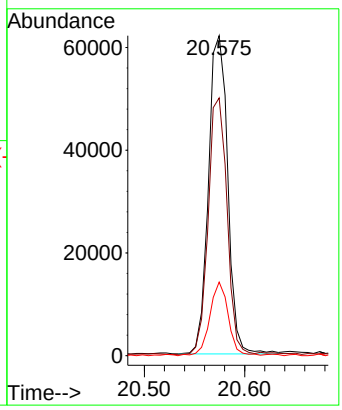
Tgt Ion:149 Resp: 8287

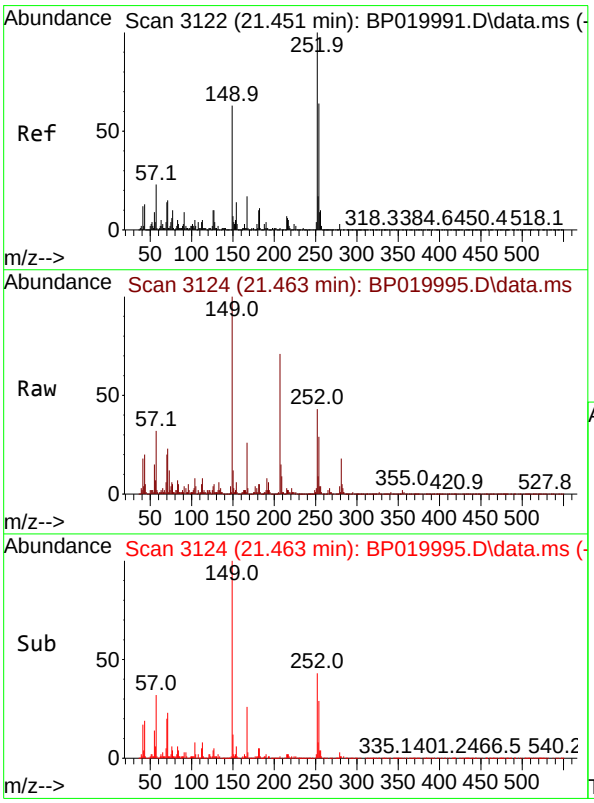
Ion	Ratio	Lower	Upper
149	100		
91	80.5	63.4	95.2
206	23.0	17.8	26.6

Instrument :
BNA_P
ClientSampleId :
MDL-MED-SOIL-QT1-2024-02

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 03/29/2024
Supervised By :mohammad ahmed 03/29/2024

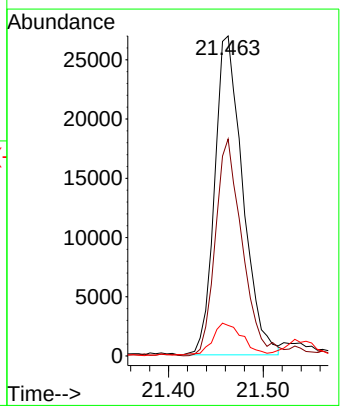


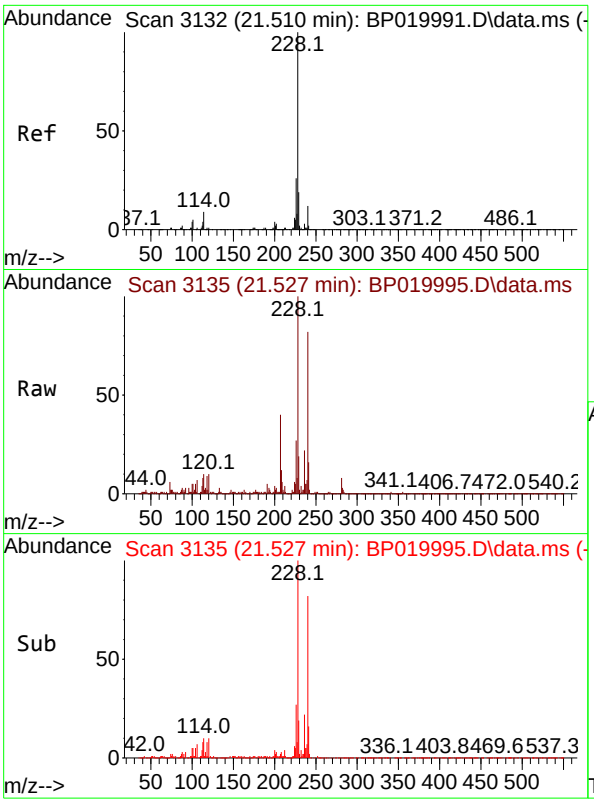


#84
3,3'-Dichlorobenzidine
Concen: 3.516 ng/ul
RT: 21.463 min Scan# 3124
Delta R.T. 0.006 min
Lab File: BP019995.D
Acq: 26 Mar 2024 12:46

Tgt Ion:252 Resp: 55383

Ion	Ratio	Lower	Upper
252	100		
254	67.8	52.4	78.6
126	9.6	8.1	12.1





#85
Benzo(a)anthracene
Concen: 4.165 ng/ul
RT: 21.527 min Scan# 3
Delta R.T. -0.000 min
Lab File: BP019995.D
Acq: 26 Mar 2024 12:46

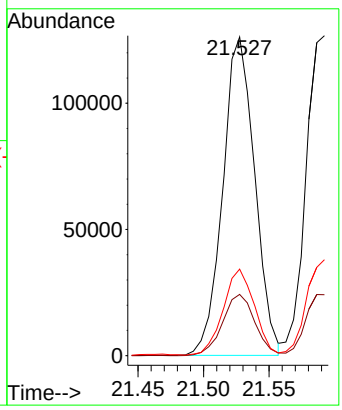
Tgt Ion:228 Resp: 21346

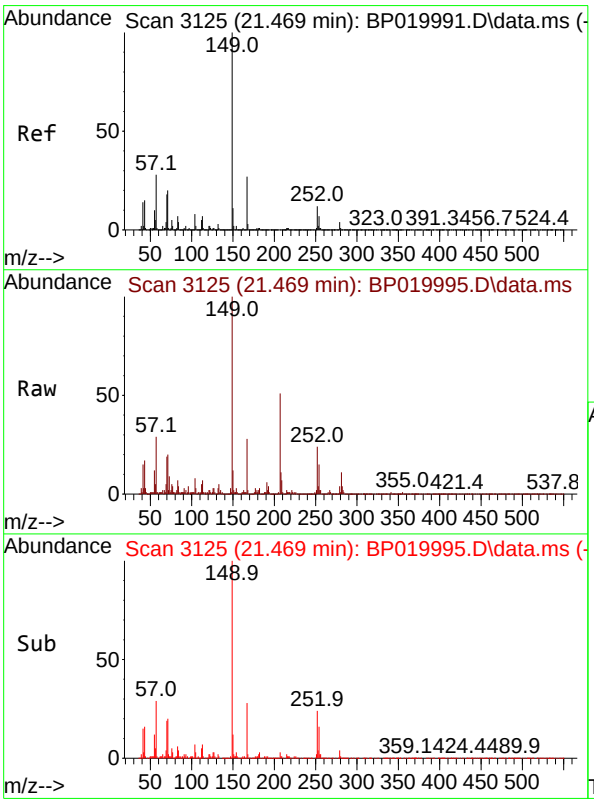
Ion	Ratio	Lower	Upper
228	100		
229	19.3	15.6	23.4
226	27.2	22.1	33.1

Instrument :
BNA_P
ClientSampleId :
MDL-MED-SOIL-QT1-2024-02

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 03/29/2024
Supervised By :mohammad ahmed 03/29/2024

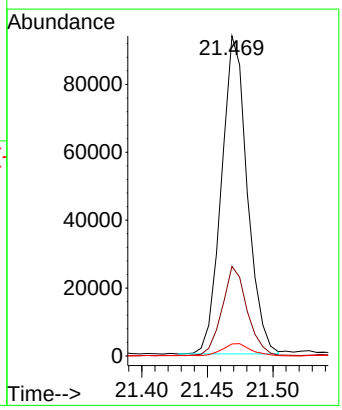


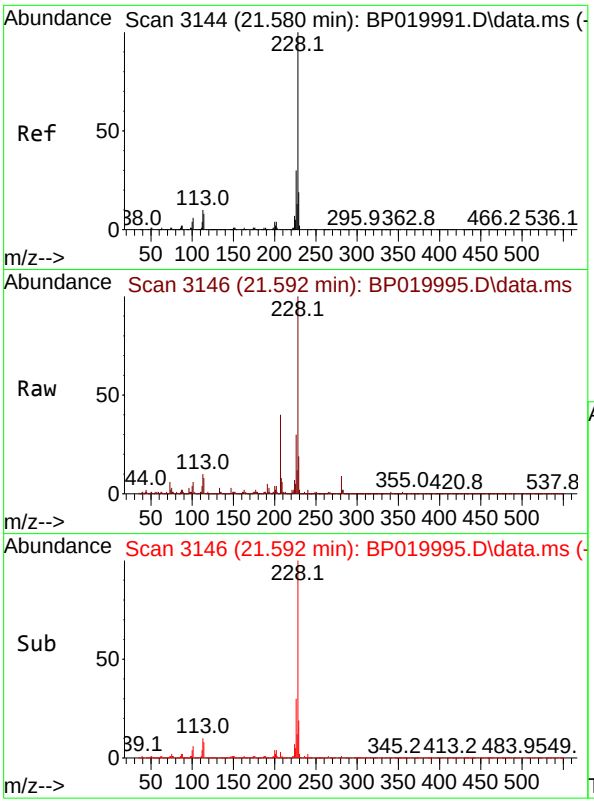


#86
Bis(2-ethylhexyl)phthalate
Concen: 4.064 ng/ul
RT: 21.469 min Scan# 3125
Delta R.T. -0.006 min
Lab File: BP019995.D
Acq: 26 Mar 2024 12:46

Tgt Ion:149 Resp: 127905

Ion	Ratio	Lower	Upper
149	100		
167	28.0	23.0	34.6
279	3.8	3.6	5.4





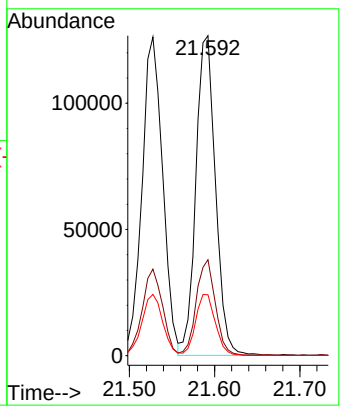
#87
Chrysene
Concen: 4.248 ng/ul
RT: 21.592 min Scan# 3
Delta R.T. -0.006 min
Lab File: BP019995.D
Acq: 26 Mar 2024 12:46

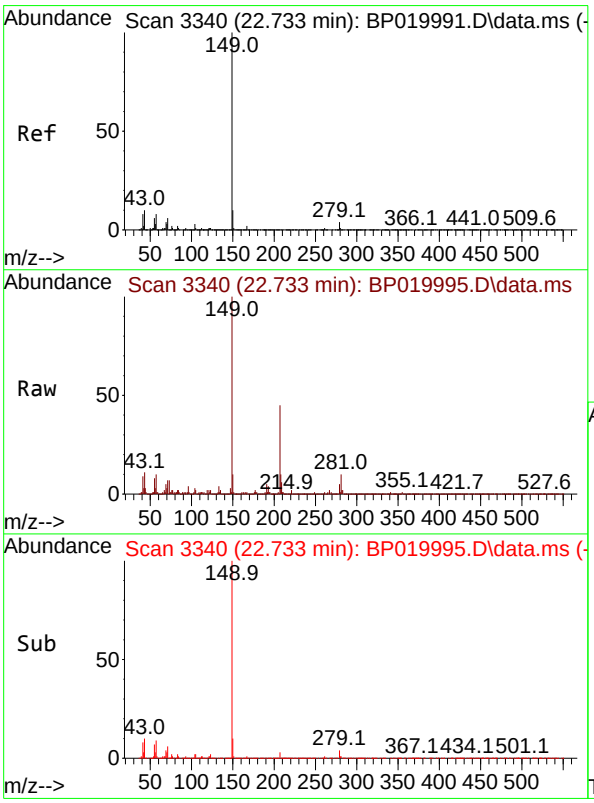
Tgt Ion:228 Resp: 20243

Ion	Ratio	Lower	Upper
228	100		
226	30.0	23.2	34.8
229	19.1	15.3	22.9

Instrument :
BNA_P
ClientSampleId :
MDL-MED-SOIL-QT1-2024-02

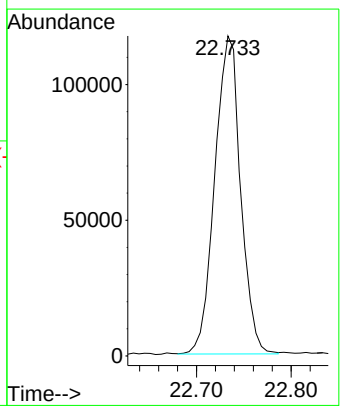
Manual Integrations
APPROVED
Reviewed By :Yogesh Patel 03/29/2024
Supervised By :mohammad ahmed 03/29/2024

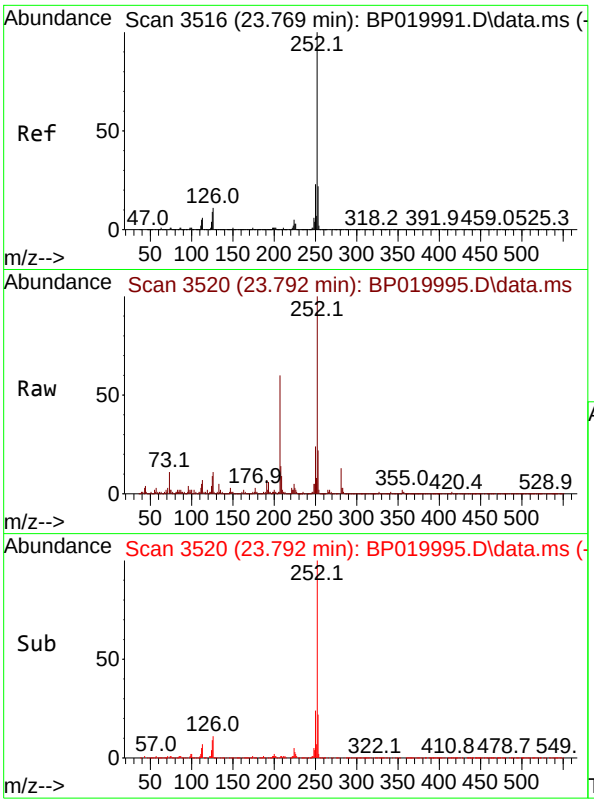




#89
Di-n-octyl phthalate
Concen: 4.244 ng/ul
RT: 22.733 min Scan# 3340
Delta R.T. -0.006 min
Lab File: BP019995.D
Acq: 26 Mar 2024 12:46

Tgt Ion:149 Resp: 221803





#90
Benzo(b)fluoranthene
Concen: 4.219 ng/ul
RT: 23.792 min Scan# 3
Delta R.T. -0.000 min
Lab File: BP019995.D
Acq: 26 Mar 2024 12:46

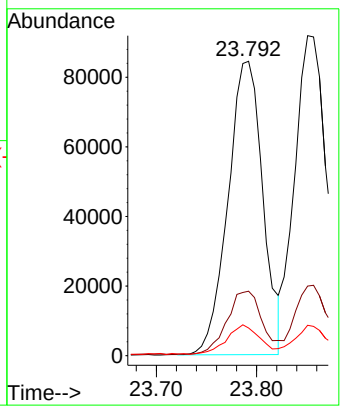
Tgt Ion:252 Resp: 20380

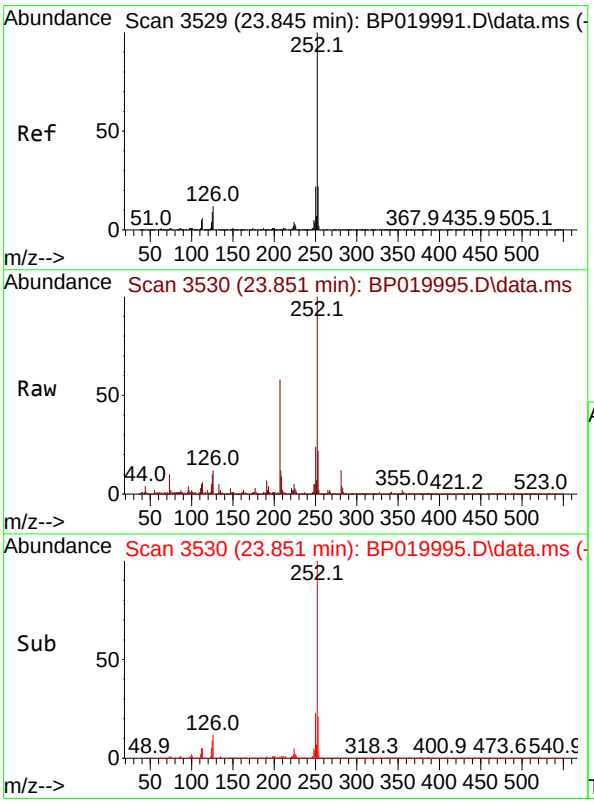
Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.2	25.8
125	9.4	6.5	9.7

Instrument :
BNA_P
ClientSampleId :
MDL-MED-SOIL-QT1-2024-02

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 03/29/2024
Supervised By :mohammad ahmed 03/29/2024

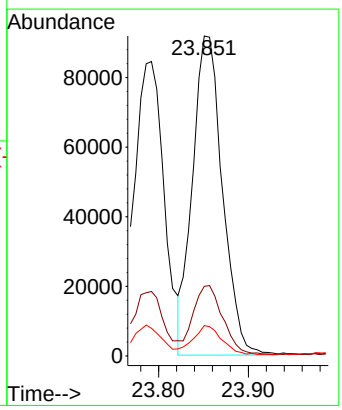


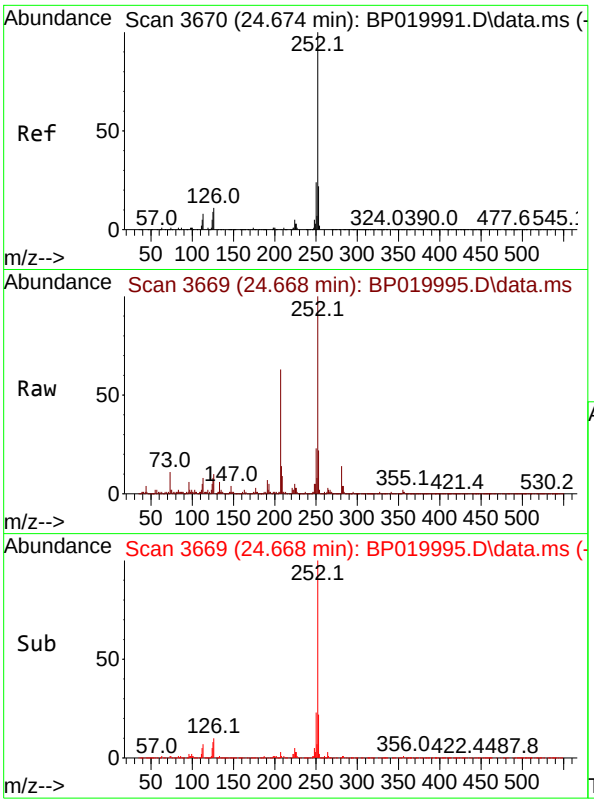


#91
Benzo(k)fluoranthene
Concen: 4.334 ng/ul
RT: 23.851 min Scan# 3530
Delta R.T. -0.024 min
Lab File: BP019995.D
Acq: 26 Mar 2024 12:46

Tgt Ion:252 Resp: 212784

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.4	26.0
125	9.5	7.1	10.7





#93
Benzo(a)pyrene
Concen: 4.237 ng/ul
RT: 24.668 min Scan# 3
Delta R.T. -0.012 min
Lab File: BP019995.D
Acq: 26 Mar 2024 12:46

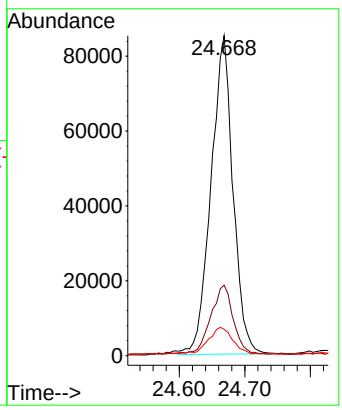
Tgt Ion:252 Resp: 19797

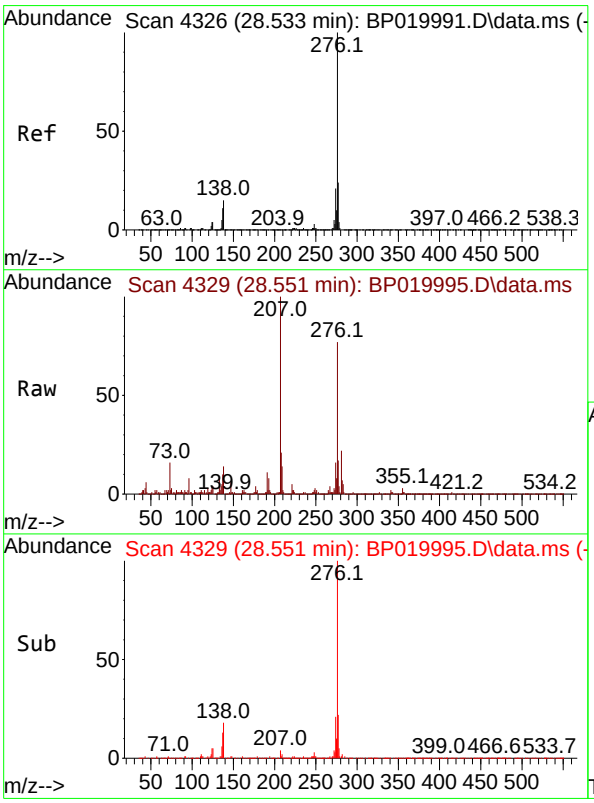
Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.4	26.0
125	8.2	7.4	11.2

Instrument :
BNA_P
ClientSampleId :
MDL-MED-SOIL-QT1-2024-02

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 03/29/2024
Supervised By :mohammad ahmed 03/29/2024

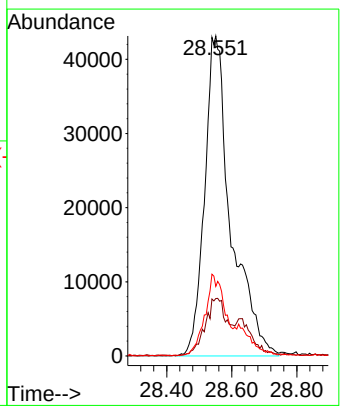


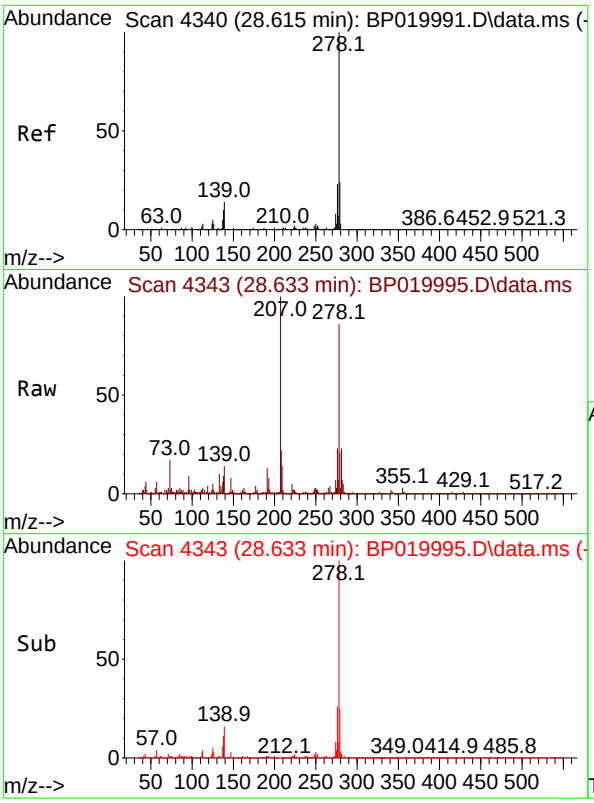


#94
Indeno(1,2,3-cd)pyrene
Concen: 4.119 ng/ul m
RT: 28.551 min Scan# 4329
Delta R.T. -0.000 min
Lab File: BP019995.D
Acq: 26 Mar 2024 12:46

Tgt Ion:276 Resp: 242408

Ion	Ratio	Lower	Upper
276	100		
138	18.0	13.1	19.7
277	21.8	19.5	29.3





#95
Dibenzo(a,h)anthracene
Concen: 4.127 ng/ul
RT: 28.633 min Scan# 4
Delta R.T. -0.018 min
Lab File: BP019995.D
Acq: 26 Mar 2024 12:46

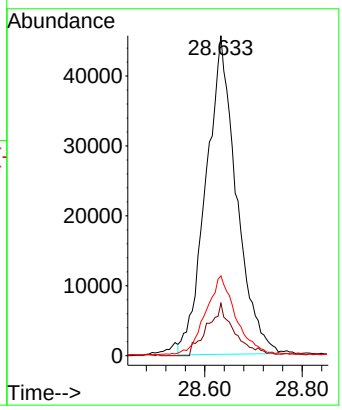
Tgt Ion:278 Resp: 19756

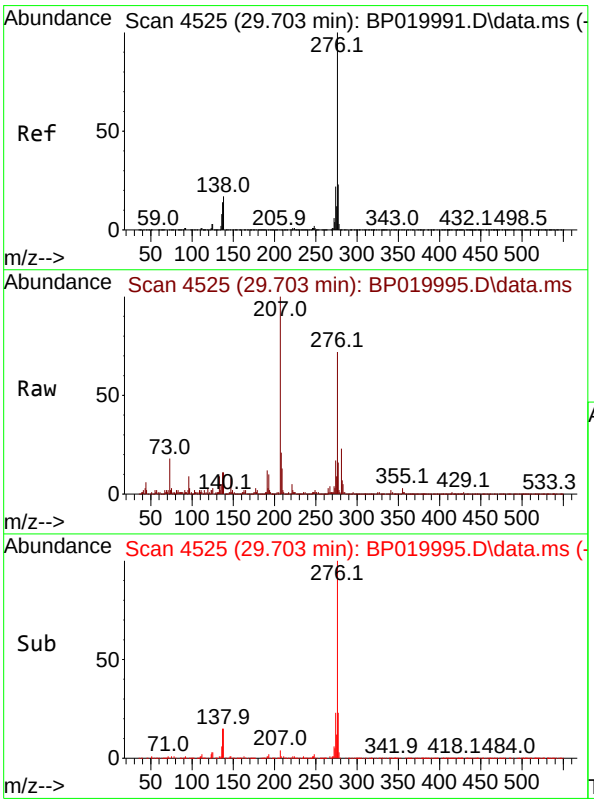
Ion	Ratio	Lower	Upper
278	100		
139	16.3	11.4	17.2
279	25.0	19.7	29.5

Instrument :
BNA_P
ClientSampleId :
MDL-MED-SOIL-QT1-2024-02

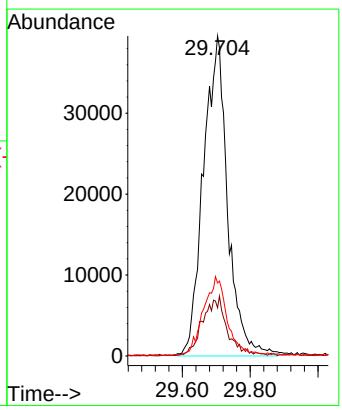
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 03/29/2024
Supervised By :mohammad ahmed 03/29/2024





#96
Benzo(g,h,i)perylene
Concen: 4.126 ng/ul m
RT: 29.703 min Scan# 4525
Delta R.T. -0.018 min
Lab File: BP019995.D
Acq: 26 Mar 2024 12:46

Tgt Ion:276 Resp: 196179

Ion	Ratio	Lower	Upper
276	100		
138	15.0	15.5	23.3#
277	22.8	18.8	28.2