

Data Path : Z:\svoasrv\HPCHEM1\BNA_E\Data\BE103024\
 Data File : BE101419.D
 Acq On : 30 Oct 2024 11:47
 Operator : RC/JU
 Sample : P4368-03
 Misc : MDL-MDL-SOIL 8 PPM
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 MDL-SOIL-03-QT4-2024

Quant Time: Oct 30 12:35:38 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_E\Methods\8270-BE102824.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 29 01:26:30 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 11/05/2024
 Supervised By :mohammad ahmed 11/06/2024

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.570	152	168895	20.000	ng	0.00
21) Naphthalene-d8	10.338	136	843710	20.000	ng	0.00
39) Acenaphthene-d10	14.180	164	621306	20.000	ng	0.00
64) Phenanthrene-d10	16.918	188	1430016	20.000	ng	0.00
76) Chrysene-d12	21.072	240	1575417	20.000	ng	0.00
86) Perylene-d12	23.363	264	1898815	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.314	112	1174431	121.874	ng	0.00
7) Phenol-d6	6.947	99	1678811	125.641	ng	0.00
23) Nitrobenzene-d5	8.781	82	1231048	91.644	ng	0.00
42) 2,4,6-Tribromophenol	15.690	330	1402912	128.832	ng	0.00
45) 2-Fluorobiphenyl	12.805	172	3156996	86.052	ng	0.00
79) Terphenyl-d14	19.509	244	4733219	69.148	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.216	88	30127	8.382	ng	99
3) Pyridine	3.716	79	73702m	7.248	ng	
4) n-Nitrosodimethylamine	3.593	42	31775	8.076	ng	# 92
6) Aniline	7.012	93	122093	11.923	ng	99
8) 2-Chlorophenol	7.212	128	99479	8.607	ng	97
9) Benzaldehyde	6.783	77	76196	11.813	ng	97
10) Phenol	6.971	94	126503m	8.726	ng	
11) bis(2-Chloroethyl)ether	7.041	93	98894m	8.315	ng	
12) 1,3-Dichlorobenzene	7.459	146	104263	8.366	ng	99
13) 1,4-Dichlorobenzene	7.605	146	103812	8.157	ng	98
14) 1,2-Dichlorobenzene	7.934	146	103494	8.308	ng	98
15) Benzyl Alcohol	7.911	79	79450	9.975	ng	89
16) 2,2'-oxybis(1-Chloropr...	8.070	45	140296	9.373	ng	100
17) 2-Methylphenol	8.152	107	74909	7.634	ng	98
18) Hexachloroethane	8.628	117	34807	8.375	ng	98
19) n-Nitroso-di-n-propyla...	8.369	70	80655	9.096	ng	99
20) 3+4-Methylphenols	8.487	107	104181	7.692	ng	98
22) Acetophenone	8.422	105	166398	8.686	ng	# 98
24) Nitrobenzene	8.822	77	119253	8.341	ng	99
25) Isophorone	9.274	82	225191	8.591	ng	98
26) 2-Nitrophenol	9.509	139	55414	8.019	ng	96
27) 2,4-Dimethylphenol	9.627	122	48051	5.526	ng	97
28) bis(2-Chloroethoxy)met...	9.774	93	133305	8.386	ng	99
29) 2,4-Dichlorophenol	10.056	162	96165	7.994	ng	99
30) 1,2,4-Trichlorobenzene	10.185	180	106387	8.118	ng	99
31) Naphthalene	10.385	128	352766	8.205	ng	100
32) Benzoic acid	9.826	122	33308m	11.302	ng	
33) 4-Chloroaniline	10.614	127	138252	9.247	ng	98
34) Hexachlorobutadiene	10.637	225	60881	7.849	ng	97
35) Caprolactam	11.383	113	33880m	7.347	ng	
36) 4-Chloro-3-methylphenol	11.783	107	104488	7.629	ng	97
37) 2-Methylnaphthalene	11.977	142	259784	8.387	ng	100
38) 1-Methylnaphthalene	12.200	142	241600	7.815	ng	99
40) 1,2,4,5-Tetrachloroben...	12.329	216	129406	8.297	ng	99
41) Hexachlorocyclopentadiene	12.318	237	23968	4.653	ng	97
43) 2,4,6-Trichlorophenol	12.653	196	85145	7.919	ng	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.746	196	94943	7.711	ng	97
46) 1,1'-Biphenyl	13.005	154	367969	8.645	ng	99
47) 2-Chloronaphthalene	13.052	162	272071	8.090	ng	99
48) 2-Nitroaniline	13.381	65	67973	7.510	ng	96
49) Acenaphthylene	13.910	152	443287	8.913	ng	99
50) Dimethylphthalate	13.681	163	368902	8.412	ng	99
51) 2,6-Dinitrotoluene	13.816	165	76180	7.524	ng	97
52) Acenaphthene	14.239	154	265178	8.166	ng	100
53) 3-Nitroaniline	14.227	138	81590	8.104	ng	98
54) 2,4-Dinitrophenol	14.362	184	34264	10.045	ng	98
55) Dibenzofuran	14.580	168	443467	8.568	ng	98
56) 4-Nitrophenol	14.638	139	62870	6.819	ng	98
57) 2,4-Dinitrotoluene	14.603	165	104109	7.469	ng	98
58) Fluorene	15.220	166	359613	8.305	ng	100
59) 2,3,4,6-Tetrachlorophenol	14.850	232	92574	8.137	ng	99
60) Diethylphthalate	15.009	149	377401	8.227	ng	99
61) 4-Chlorophenyl-phenyle...	15.208	204	177453	8.259	ng	97
62) 4-Nitroaniline	15.408	138	84646	7.555	ng	99
63) Azobenzene	15.508	77	331947	8.419	ng	99
65) 4,6-Dinitro-2-methylph...	15.343	198	53467	6.363	ng	99
66) n-Nitrosodiphenylamine	15.461	169	316659	8.350	ng	99
67) 4-Bromophenyl-phenylether	16.096	248	122818	8.165	ng	97
68) Hexachlorobenzene	16.201	284	155930	7.908	ng	95
69) Atrazine	16.389	200	117872	10.139	ng	99
70) Pentachlorophenol	16.607	266	78824	6.945	ng	97
71) Phenanthrene	16.953	178	595123	8.692	ng	97
72) Anthracene	17.041	178	558821	8.359	ng	98
73) Carbazole	17.371	167	575845	8.418	ng	97
74) Di-n-butylphthalate	17.823	149	663368	8.809	ng	97
75) Fluoranthene	18.957	202	718007	8.634	ng	97
77) Benzidine	19.215	184	198598	9.933	ng	99
78) Pyrene	19.327	202	777187	8.971	ng	95
80) Butylbenzylphthalate	20.179	149	334178	8.799	ng	97
81) Benzo(a)anthracene	21.054	228	829381	9.366	ng	95
82) 3,3'-Dichlorobenzidine	21.031	252	298510	8.606	ng	100
83) Chrysene	21.107	228	801049	9.356	ng	93
84) Bis(2-ethylhexyl)phtha...	20.884	149	447585	8.871	ng	97
85) Di-n-octyl phthalate	21.730	149	770657	9.306	ng	99
87) Indeno(1,2,3-cd)pyrene	25.667	276	1142319	8.989	ng	99
88) Benzo(b)fluoranthene	22.647	252	877663	8.869	ng	97
89) Benzo(k)fluoranthene	22.694	252	878942	9.507	ng	96
90) Benzo(a)pyrene	23.246	252	800650	9.252	ng	99
91) Dibenzo(a,h)anthracene	25.661	278	932736	8.883	ng	99
92) Benzo(g,h,i)perylene	26.413	276	873792	8.076	ng	99

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

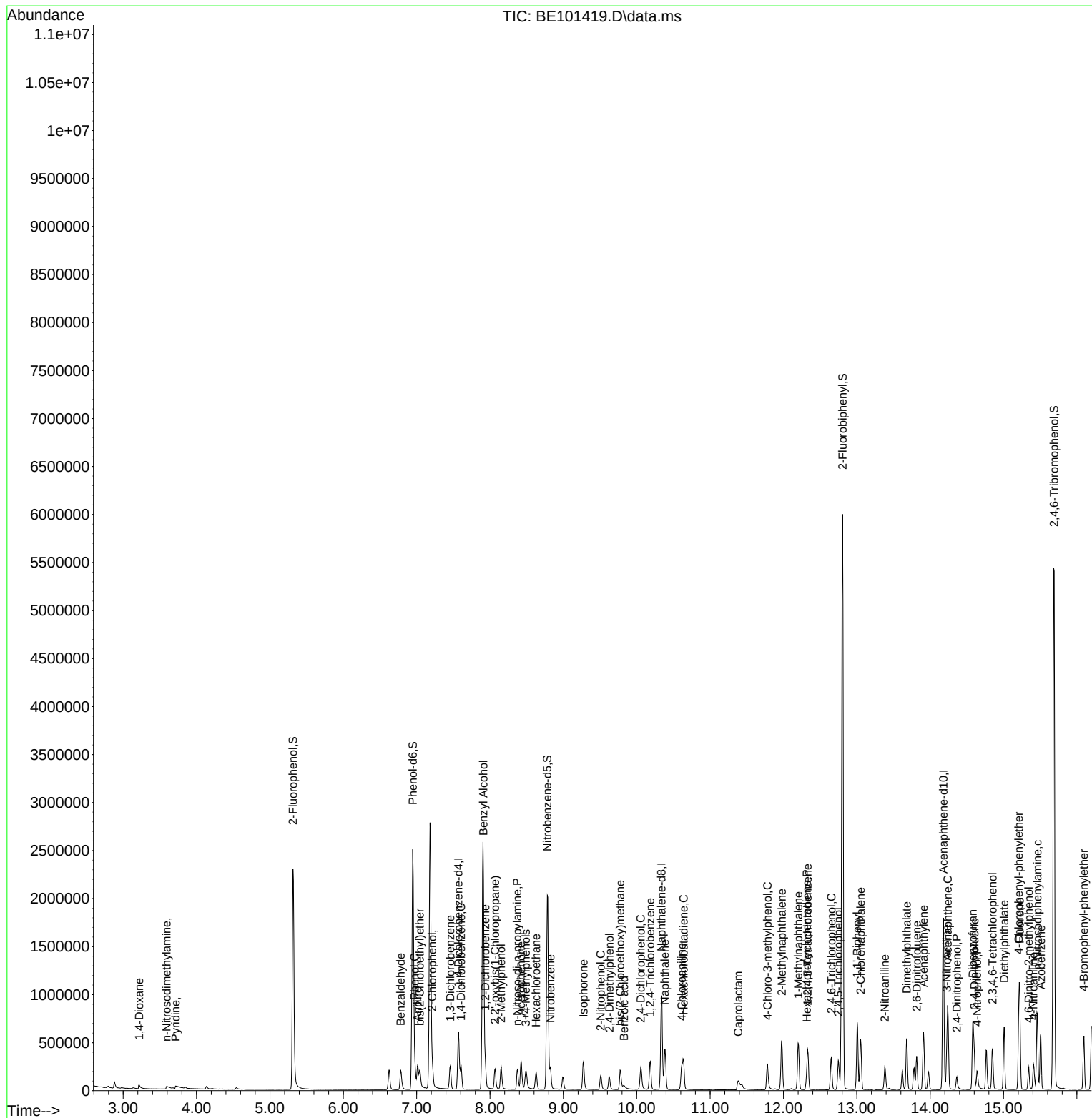
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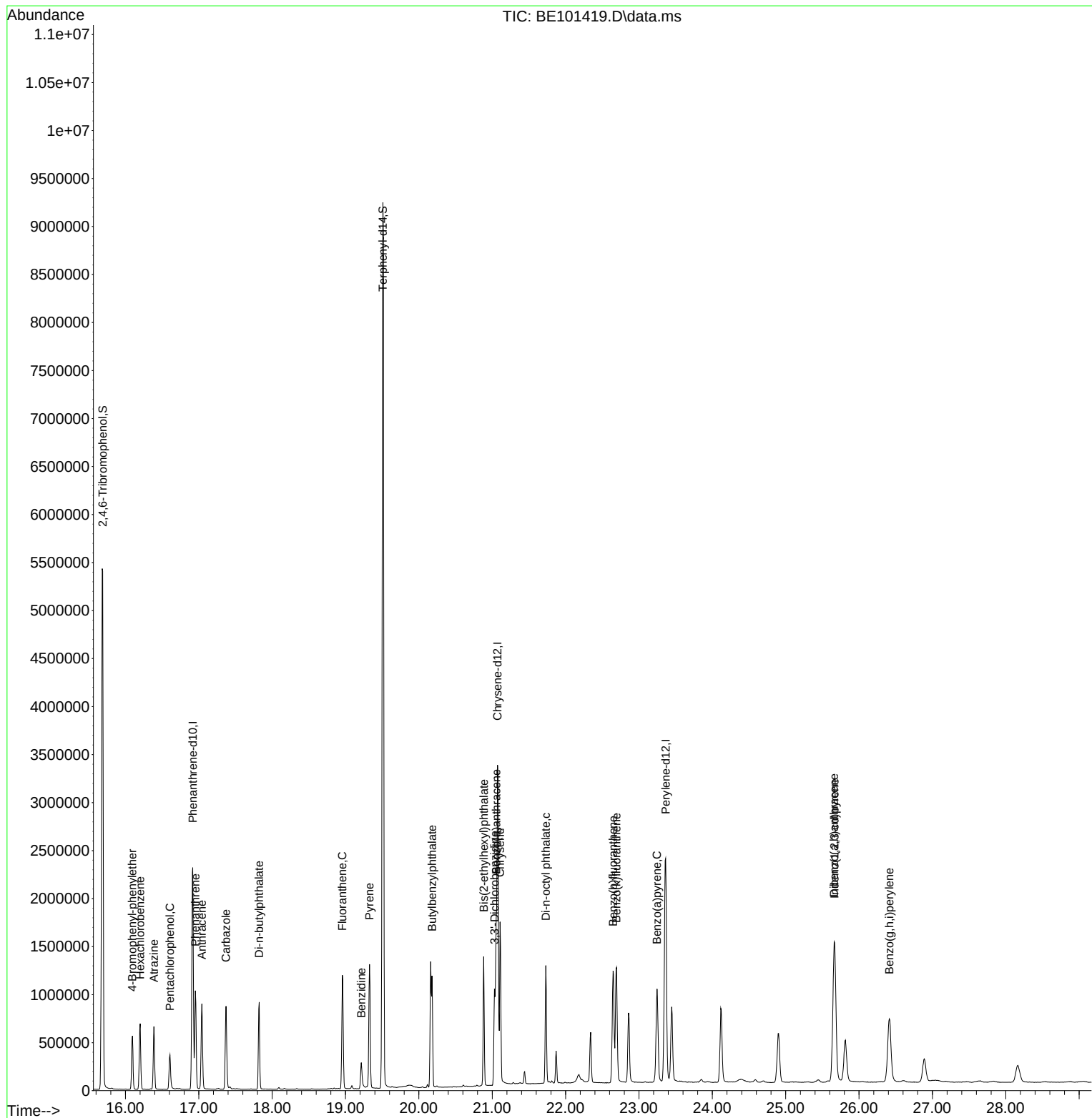
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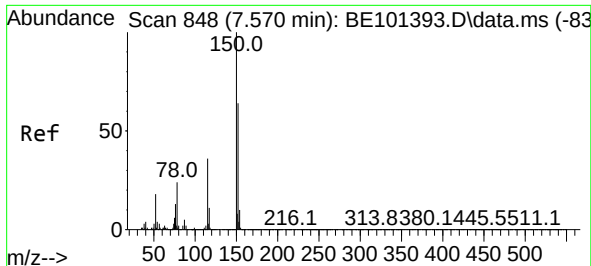
Instrument :
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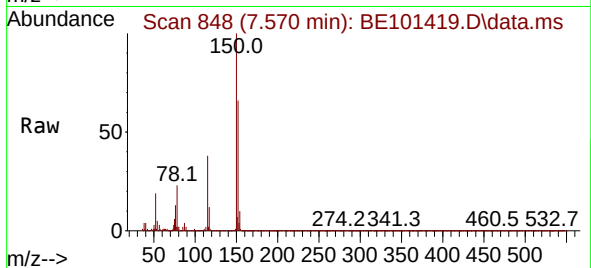
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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.570 min Scan# 848
Delta R.T. 0.000 min
Lab File: BE101419.D
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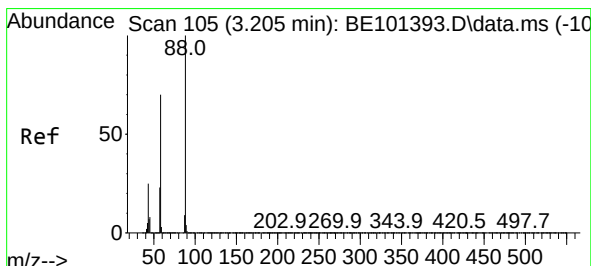
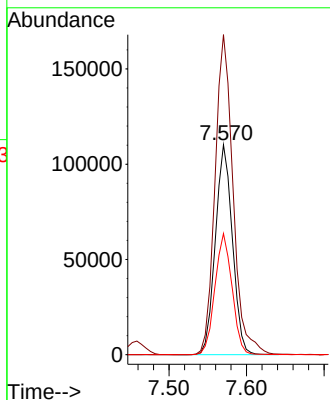
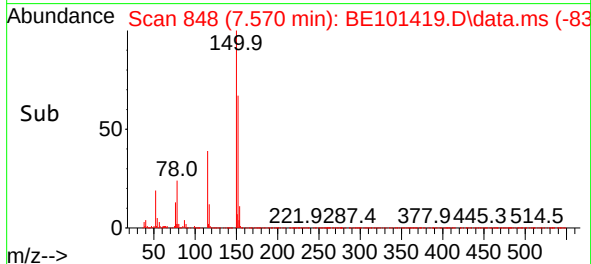
Instrument :
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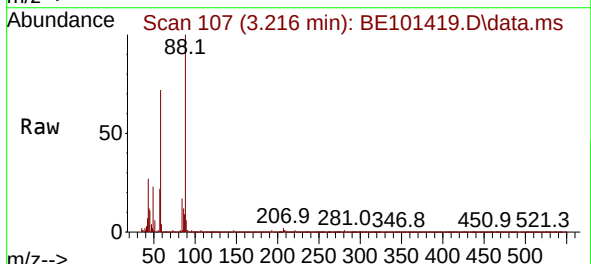
Tgt Ion:152 Resp: 16889
Ion Ratio Lower Upper
152 100
150 152.5 124.2 186.4
115 57.7 45.3 67.9

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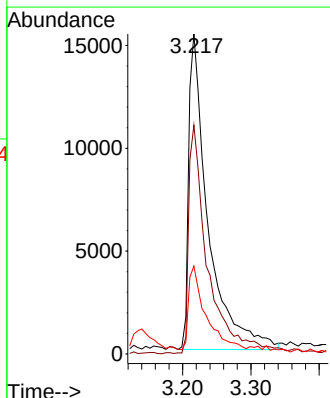
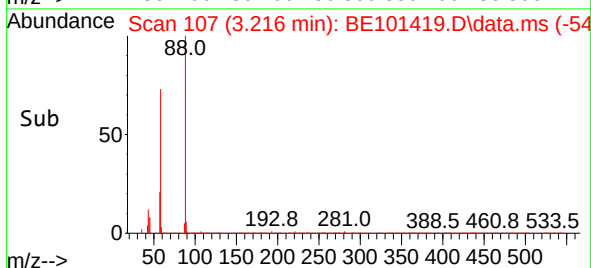
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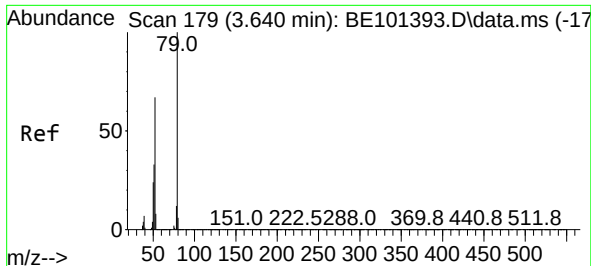


#2
1,4-Dioxane
Concen: 8.382 ng
RT: 3.216 min Scan# 107
Delta R.T. 0.011 min
Lab File: BE101419.D
Acq: 30 Oct 2024 11:47



Tgt Ion: 88 Resp: 30127
Ion Ratio Lower Upper
88 100
58 70.9 56.5 84.7
43 23.3 19.8 29.8





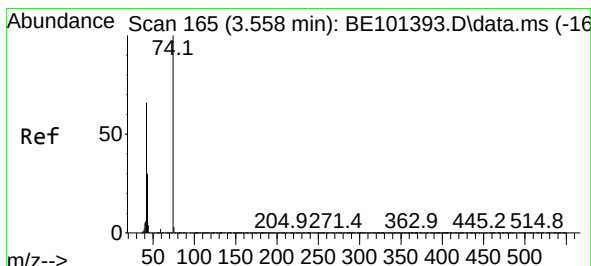
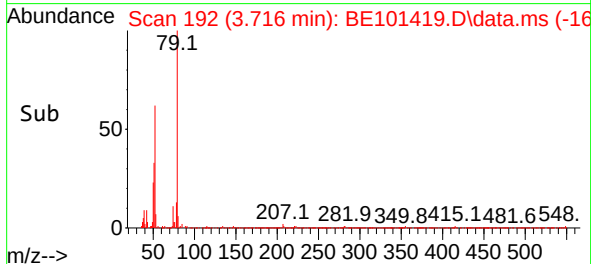
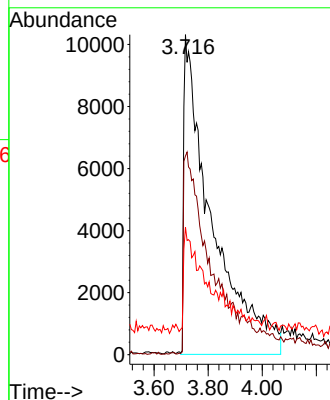
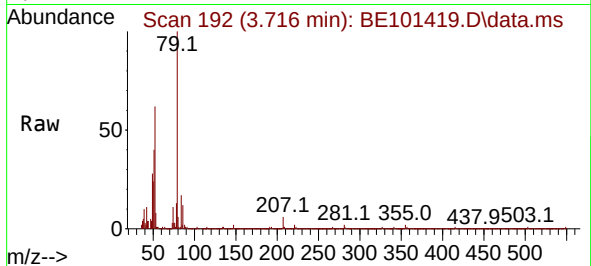
#3
Pyridine
Concen: 7.248 ng m
RT: 3.716 min Scan# 192
Delta R.T. 0.076 min
Lab File: BE101419.D
Acq: 30 Oct 2024 11:47

Instrument :
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ClientSampleId :
MDL-SOIL-03-QT4-2024

Tgt Ion: 79 Resp: 7370
Ion Ratio Lower Upper
79 100
52 62.1 53.3 79.9
51 39.9 27.3 40.9

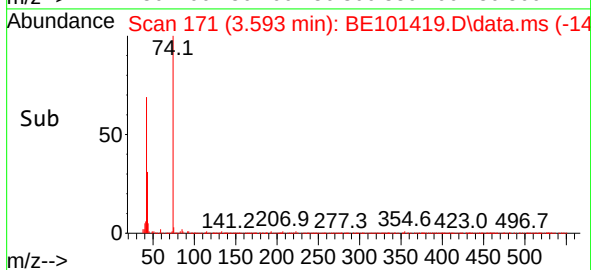
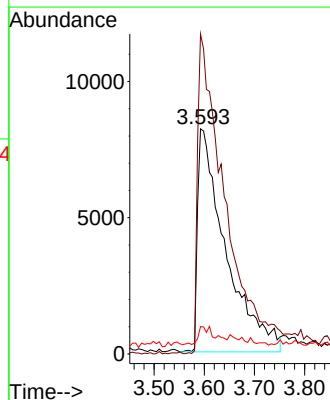
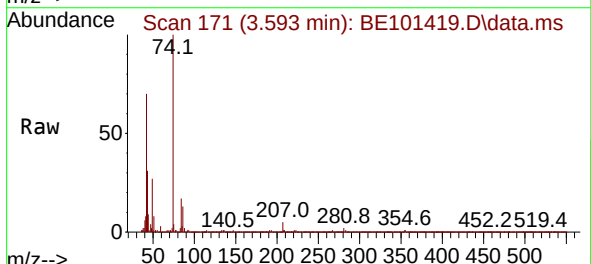
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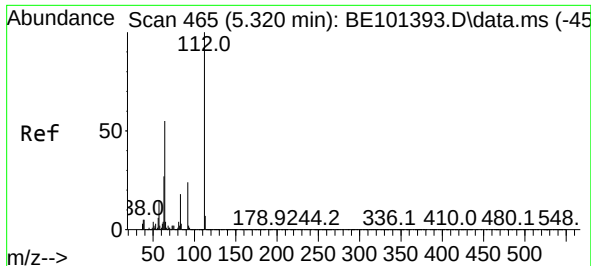
Reviewed By :Jagrut Upadhyay 11/05/2024
Supervised By :mohammad ahmed 11/06/2024



#4
n-Nitrosodimethylamine
Concen: 8.076 ng
RT: 3.593 min Scan# 171
Delta R.T. 0.035 min
Lab File: BE101419.D
Acq: 30 Oct 2024 11:47

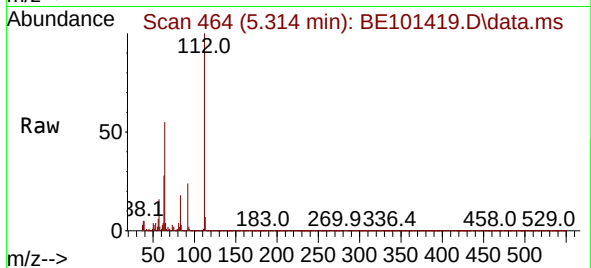
Tgt Ion: 42 Resp: 31775
Ion Ratio Lower Upper
42 100
74 142.1 121.4 182.0
44 12.2 5.6 8.4#





#5
2-Fluorophenol
Concen: 121.874 ng
RT: 5.314 min Scan# 465
Delta R.T. -0.006 min
Lab File: BE101419.D
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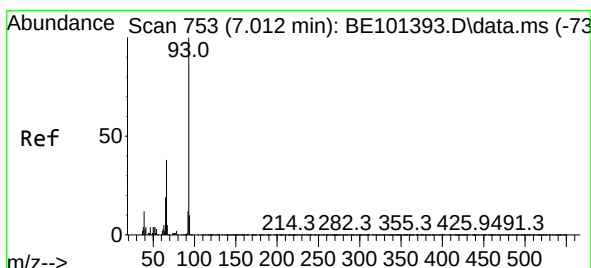
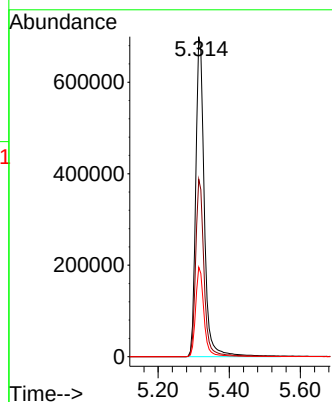
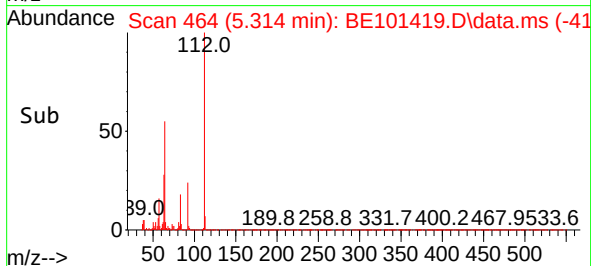
Instrument :
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Tgt Ion:112 Resp: 117443
Ion Ratio Lower Upper
112 100
64 55.5 43.7 65.5
63 27.9 21.4 32.2

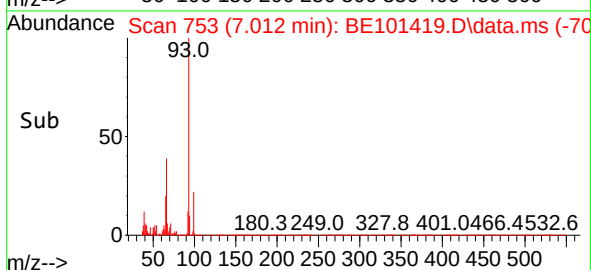
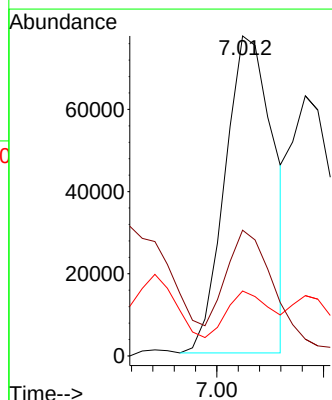
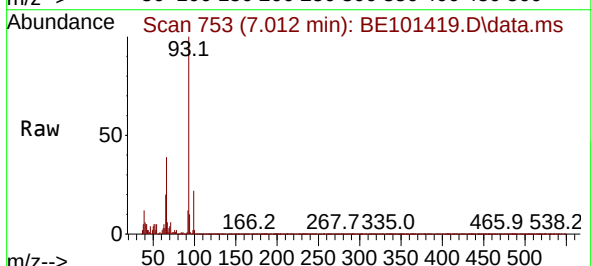
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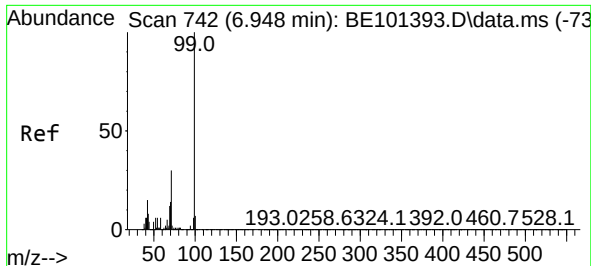
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#6
Aniline
Concen: 11.923 ng
RT: 7.012 min Scan# 753
Delta R.T. -0.000 min
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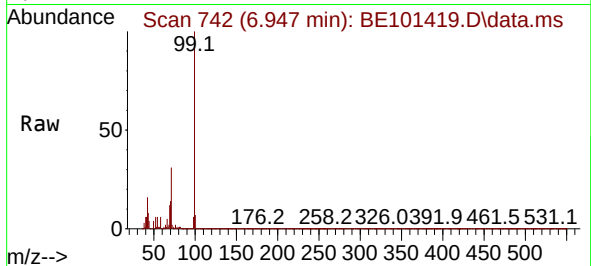
Tgt Ion: 93 Resp: 122093
Ion Ratio Lower Upper
93 100
66 39.3 31.0 46.4
65 20.3 15.5 23.3





#7
Phenol-d6
Concen: 125.641 ng
RT: 6.947 min Scan# 741
Delta R.T. -0.000 min
Lab File: BE101419.D
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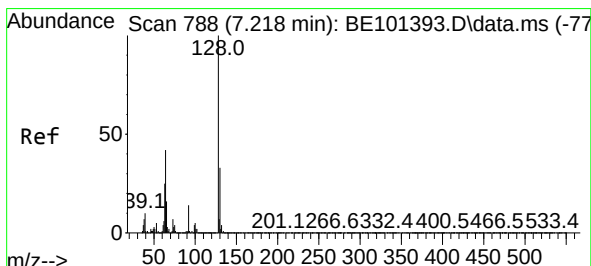
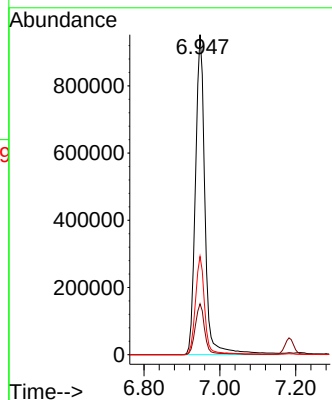
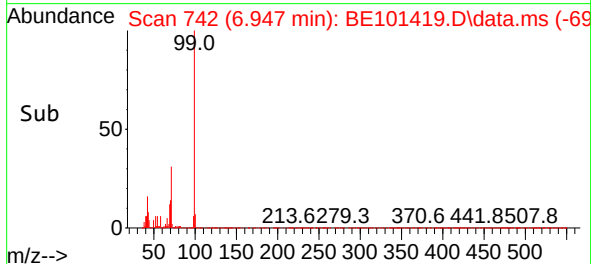
Instrument :
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MDL-SOIL-03-QT4-2024



Tgt Ion: 99 Resp: 167881
Ion Ratio Lower Upper
99 100
42 15.9 12.3 18.5
71 30.7 23.8 35.8

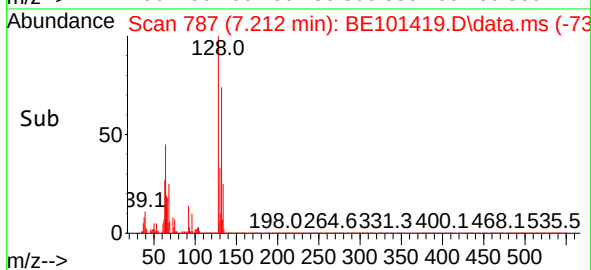
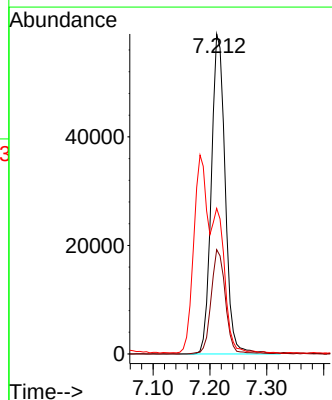
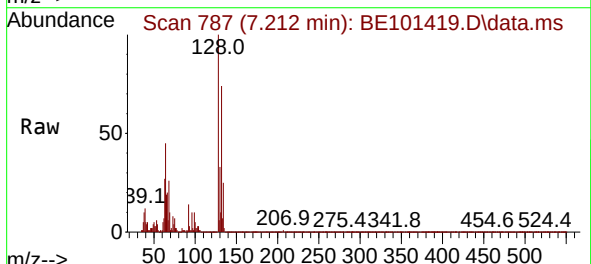
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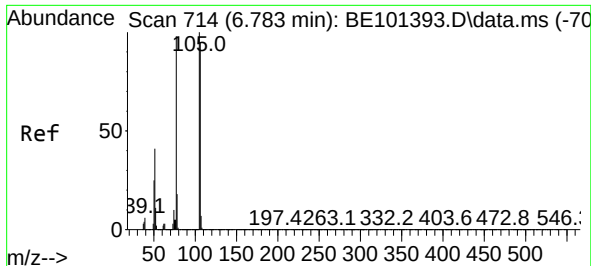
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#8
2-Chlorophenol
Concen: 8.607 ng
RT: 7.212 min Scan# 787
Delta R.T. -0.006 min
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Tgt Ion:128 Resp: 99479
Ion Ratio Lower Upper
128 100
130 32.6 12.9 52.9
64 45.5 22.3 62.3





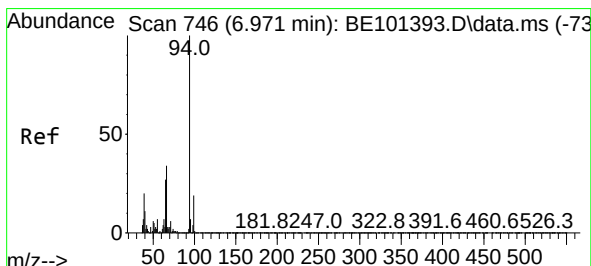
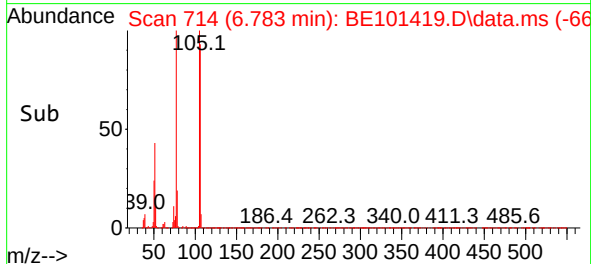
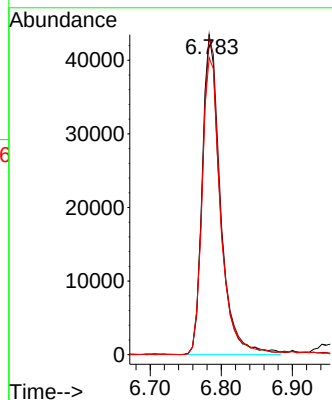
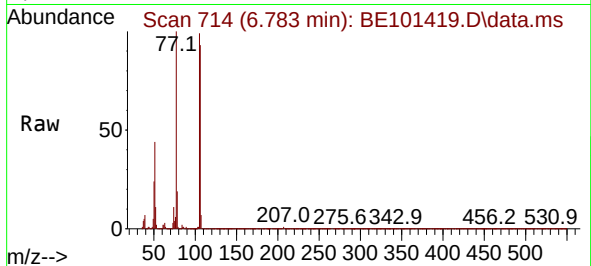
#9
Benzaldehyde
Concen: 11.813 ng
RT: 6.783 min Scan# 714
Delta R.T. -0.000 min
Lab File: BE101419.D
Acq: 30 Oct 2024 11:47

Instrument :
BNA_E
ClientSampleId :
MDL-SOIL-03-QT4-2024

Tgt Ion: 77	Resp: 76190
Ion Ratio	Lower Upper
77 100	
105 99.3	81.9 121.9
106 92.8	76.5 116.5

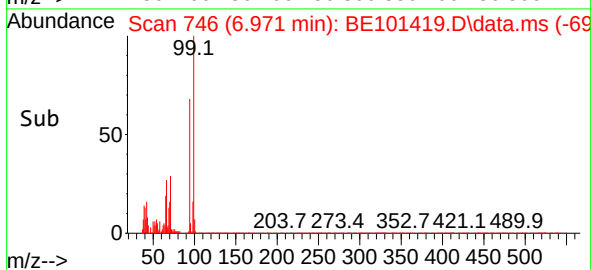
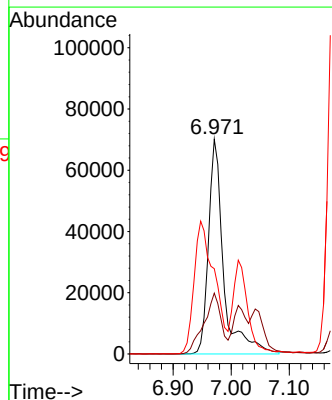
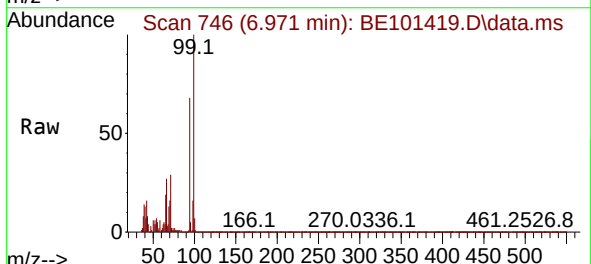
Manual Integrations
APPROVED

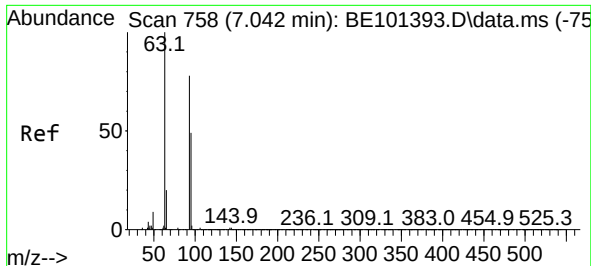
Reviewed By :Jagrut Upadhyay 11/05/2024
Supervised By :mohammad ahmed 11/06/2024



#10
Phenol
Concen: 8.726 ng m
RT: 6.971 min Scan# 746
Delta R.T. -0.000 min
Lab File: BE101419.D
Acq: 30 Oct 2024 11:47

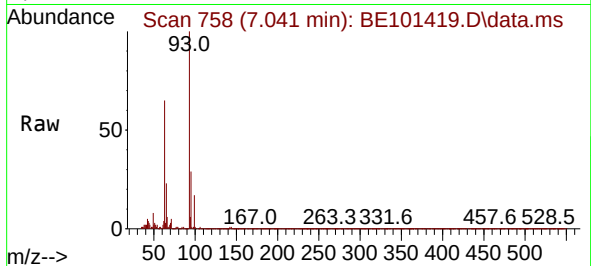
Tgt Ion: 94	Resp: 126503
Ion Ratio	Lower Upper
94 100	
65 28.3	6.8 46.8
66 39.7	14.0 54.0





#11
bis(2-Chloroethyl)ether
Concen: 8.315 ng m
RT: 7.041 min Scan# 70
Delta R.T. -0.000 min
Lab File: BE101419.D
Acq: 30 Oct 2024 11:47

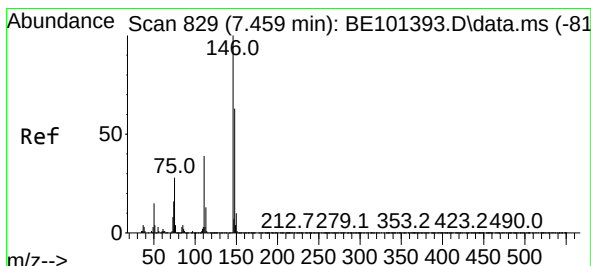
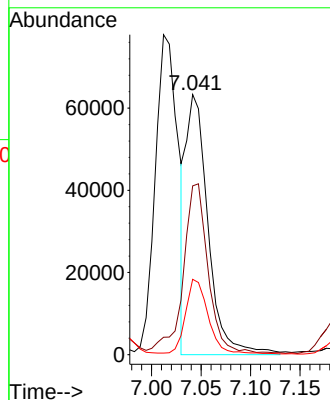
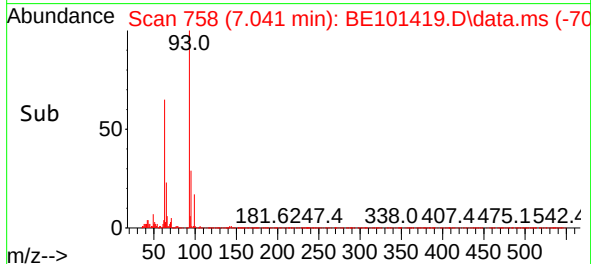
Instrument :
BNA_E
ClientSampleId :
MDL-SOIL-03-QT4-2024



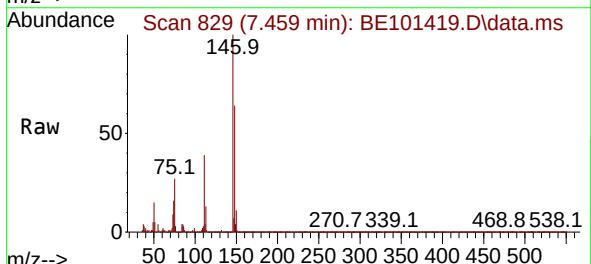
Tgt Ion: 93 Resp: 98894
Ion Ratio Lower Upper
93 100
63 64.9 46.3 86.3
95 29.0 9.6 49.6

Manual Integrations
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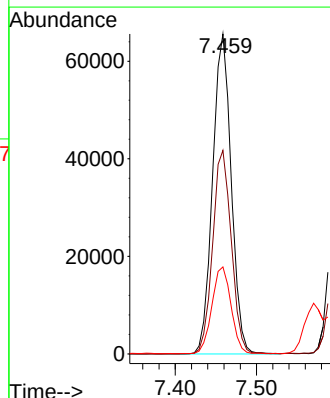
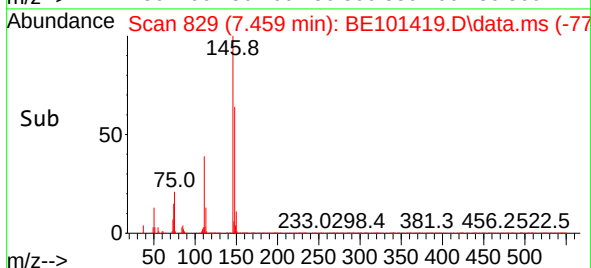
Reviewed By :Jagrut Upadhyay 11/05/2024
Supervised By :mohammad ahmed 11/06/2024

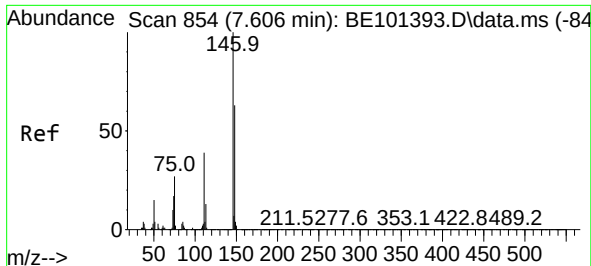


#12
1,3-Dichlorobenzene
Concen: 8.366 ng
RT: 7.459 min Scan# 829
Delta R.T. -0.000 min
Lab File: BE101419.D
Acq: 30 Oct 2024 11:47



Tgt Ion:146 Resp: 104263
Ion Ratio Lower Upper
146 100
148 63.6 50.5 75.7
75 27.2 22.0 33.0





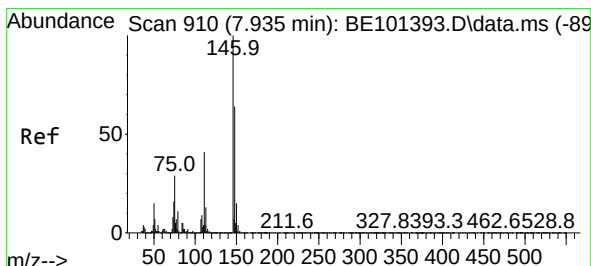
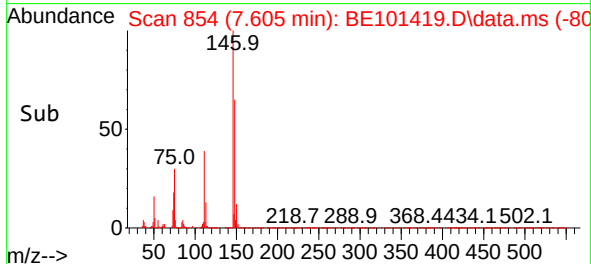
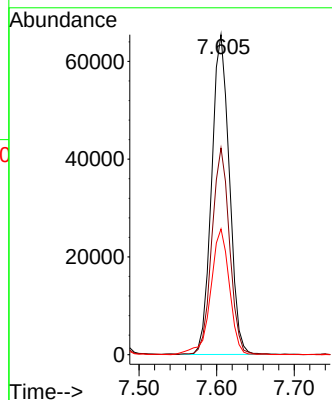
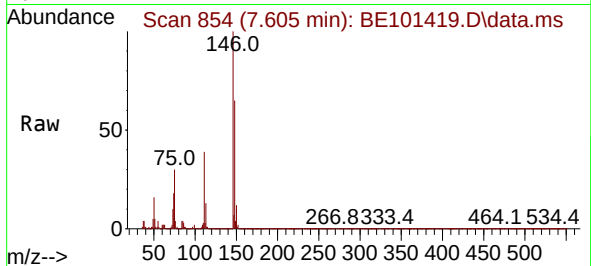
#13
1,4-Dichlorobenzene
Concen: 8.157 ng
RT: 7.605 min Scan# 811
Delta R.T. -0.000 min
Lab File: BE101419.D
Acq: 30 Oct 2024 11:47

Instrument :
BNA_E
ClientSampleId :
MDL-SOIL-03-QT4-2024

Tgt Ion:146 Resp: 103812
Ion Ratio Lower Upper
146 100
148 64.6 50.2 75.2
111 39.3 31.6 47.4

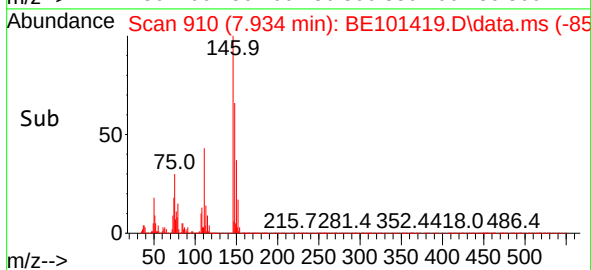
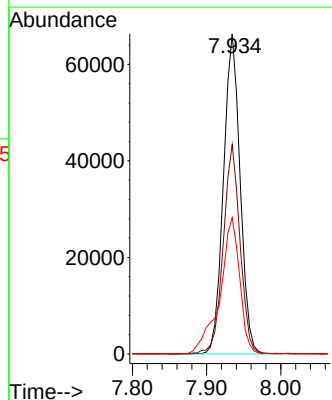
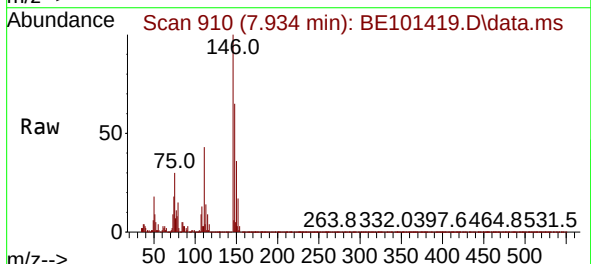
Manual Integrations
APPROVED

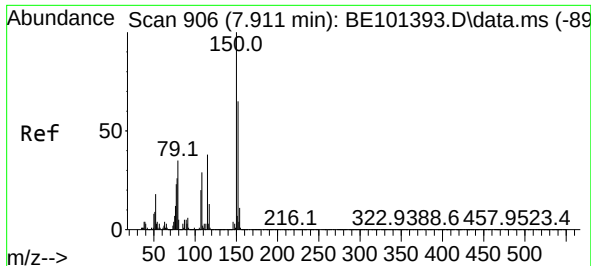
Reviewed By :Jagrut Upadhyay 11/05/2024
Supervised By :mohammad ahmed 11/06/2024



#14
1,2-Dichlorobenzene
Concen: 8.308 ng
RT: 7.934 min Scan# 910
Delta R.T. -0.000 min
Lab File: BE101419.D
Acq: 30 Oct 2024 11:47

Tgt Ion:146 Resp: 103494
Ion Ratio Lower Upper
146 100
148 65.5 51.4 77.2
111 42.6 32.8 49.2





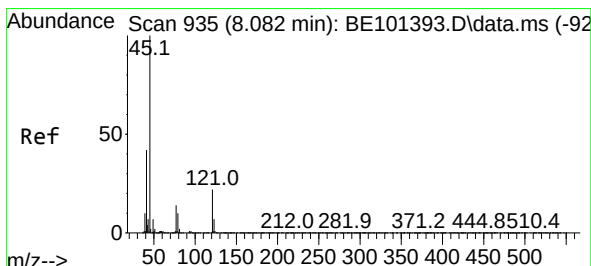
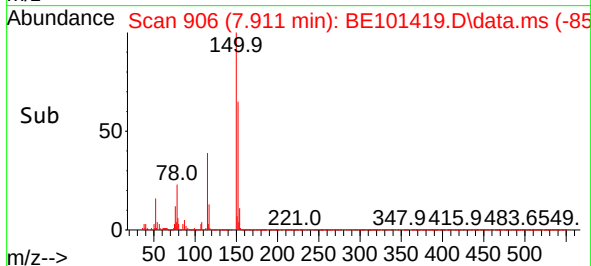
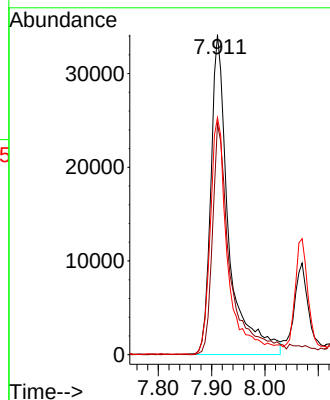
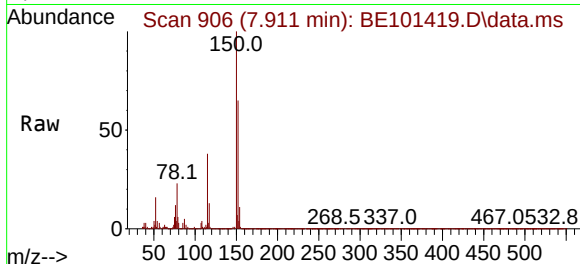
#15
Benzyl Alcohol
Concen: 9.975 ng
RT: 7.911 min Scan# 906
Delta R.T. -0.000 min
Lab File: BE101419.D
Acq: 30 Oct 2024 11:47

Instrument : BNA_E
ClientSampleId : MDL-SOIL-03-QT4-2024

Tgt Ion: 79 Resp: 79450
Ion Ratio Lower Upper
79 100
108 72.1 66.1 99.1
77 74.1 53.1 79.7

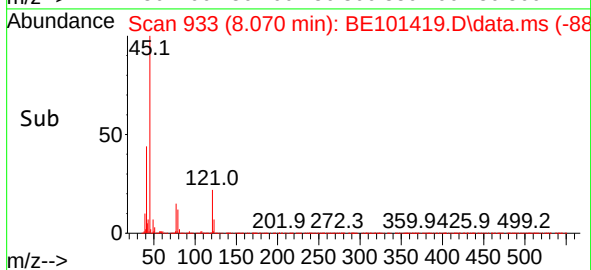
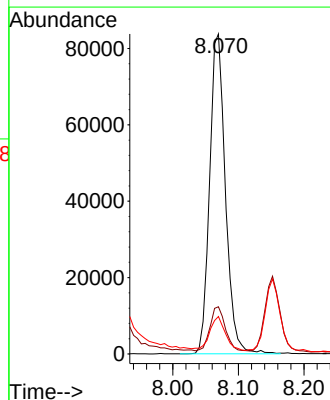
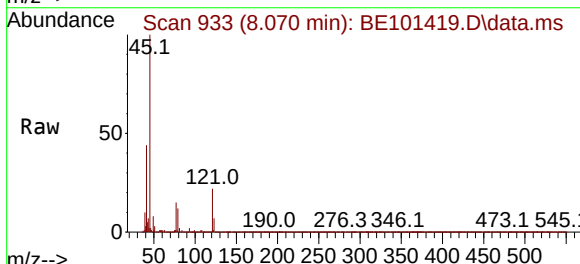
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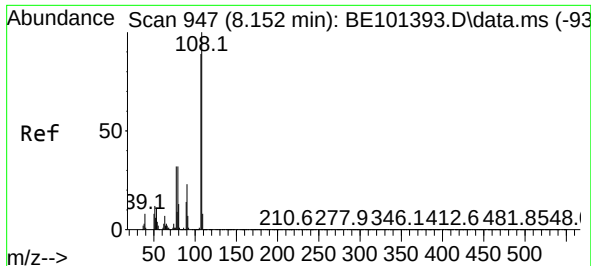
Reviewed By :Jagrut Upadhyay 11/05/2024
Supervised By :mohammad ahmed 11/06/2024



#16
2,2'-oxybis(1-Chloropropane)
Concen: 9.373 ng
RT: 8.070 min Scan# 933
Delta R.T. -0.012 min
Lab File: BE101419.D
Acq: 30 Oct 2024 11:47

Tgt Ion: 45 Resp: 140296
Ion Ratio Lower Upper
45 100
77 14.8 0.0 34.5
79 11.7 0.0 31.8





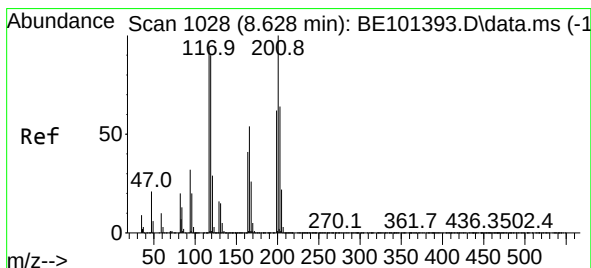
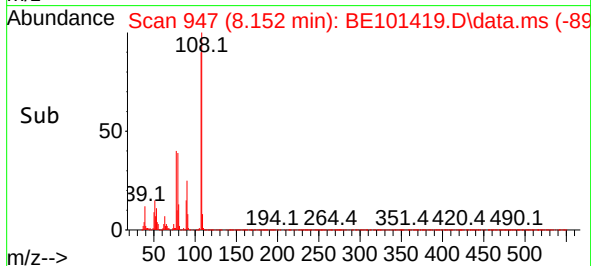
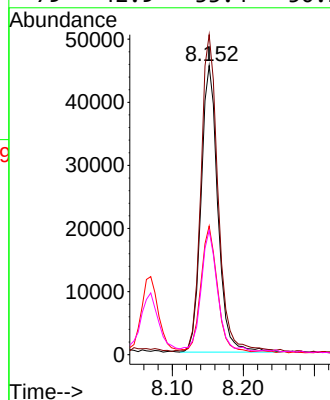
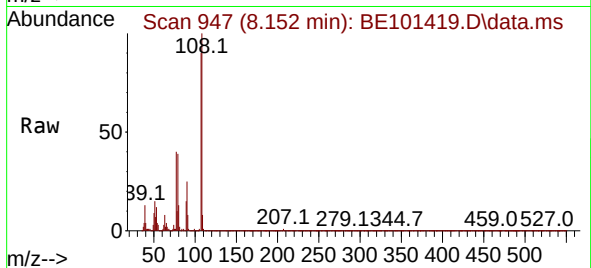
#17
2-Methylphenol
Concen: 7.634 ng
RT: 8.152 min Scan# 947
Delta R.T. -0.000 min
Lab File: BE101419.D
Acq: 30 Oct 2024 11:47

Instrument :
BNA_E
ClientSampleId :
MDL-SOIL-03-QT4-2024

Tgt Ion:	107	Resp:	7490
Ion Ratio	Lower	Upper	
107	100		
108	110.7	90.0	135.0
77	44.5	34.2	51.4
79	42.9	33.4	50.2

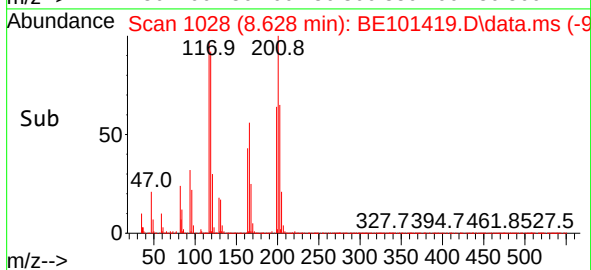
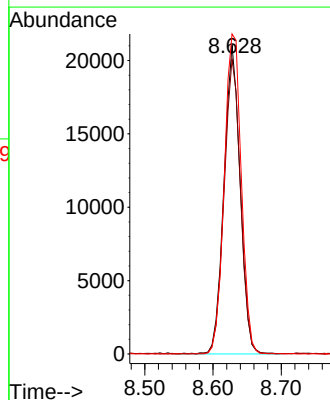
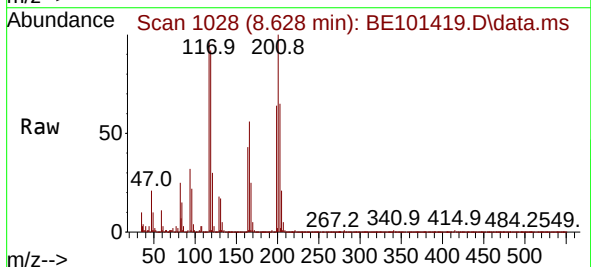
Manual Integrations
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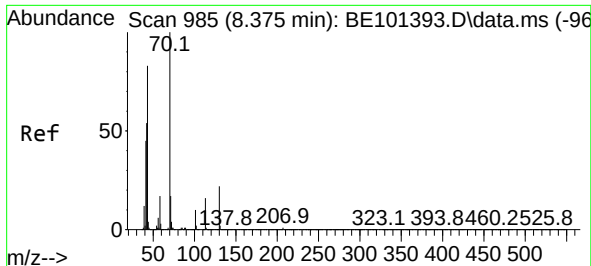
Reviewed By :Jagrut Upadhyay 11/05/2024
Supervised By :mohammad ahmed 11/06/2024



#18
Hexachloroethane
Concen: 8.375 ng
RT: 8.628 min Scan# 1028
Delta R.T. -0.000 min
Lab File: BE101419.D
Acq: 30 Oct 2024 11:47

Tgt Ion:	117	Resp:	34807
Ion Ratio	Lower	Upper	
117	100		
119	95.5	77.0	115.4
201	103.7	85.3	127.9





#19

n-Nitroso-di-n-propylamine

Concen: 9.096 ng

RT: 8.369 min Scan# 91

Delta R.T. -0.006 min

Lab File: BE101419.D

Acq: 30 Oct 2024 11:47

Instrument :

BNA_E

ClientSampleId :

MDL-SOIL-03-QT4-2024

Tgt Ion: 70 Resp: 8065

Ion Ratio Lower Upper

70 100

42 53.7 43.4 65.0

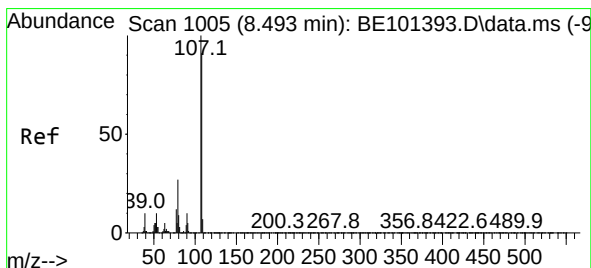
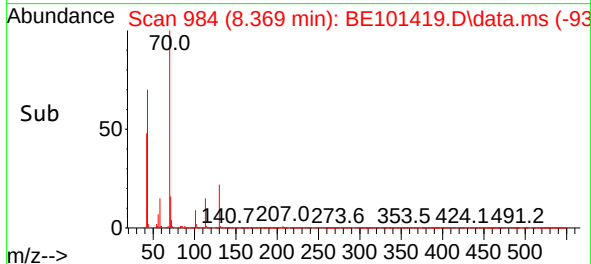
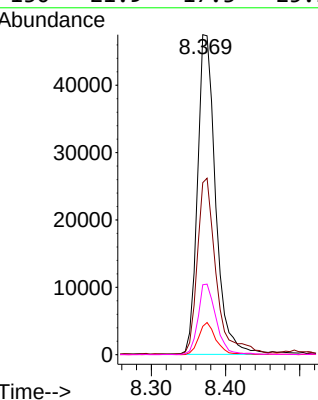
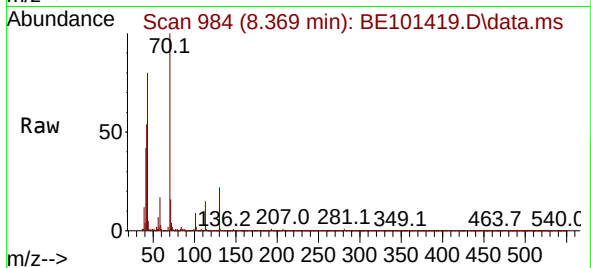
101 8.8 8.1 12.1

130 21.9 17.3 25.9

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 11/05/2024
Supervised By :mohammad ahmed 11/06/2024



#20

3+4-Methylphenols

Concen: 7.692 ng

RT: 8.487 min Scan# 1004

Delta R.T. -0.006 min

Lab File: BE101419.D

Acq: 30 Oct 2024 11:47

Tgt Ion:107 Resp: 104181

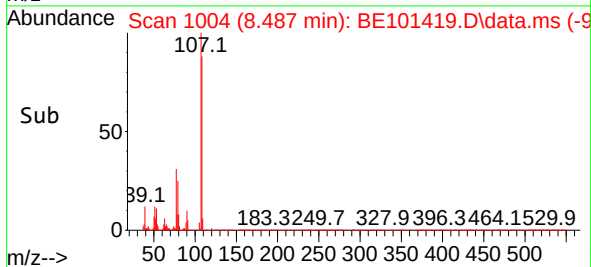
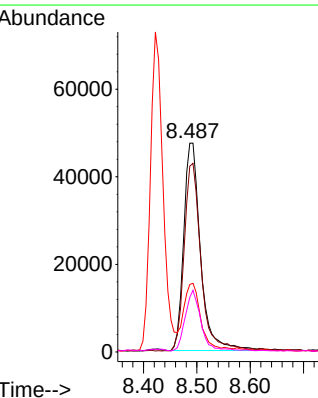
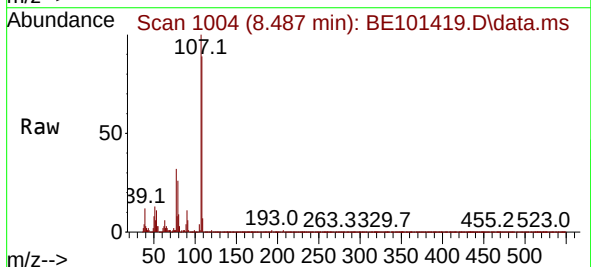
Ion Ratio Lower Upper

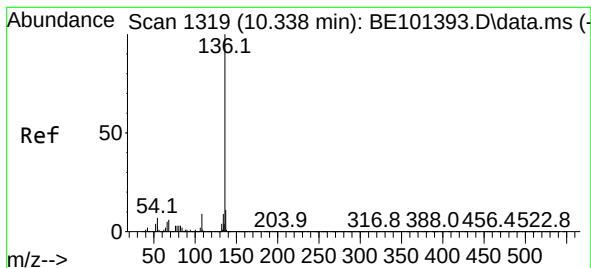
107 100

108 89.0 70.6 110.6

77 32.4 11.3 51.3

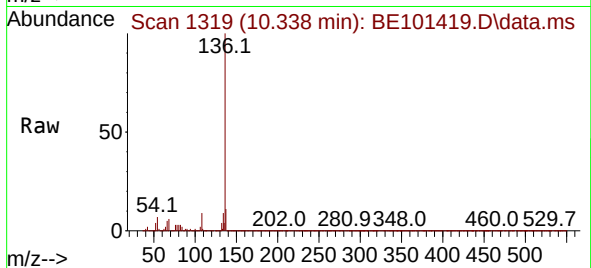
79 26.2 7.3 47.3





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.338 min Scan# 1319
Delta R.T. -0.000 min
Lab File: BE101419.D
Acq: 30 Oct 2024 11:47

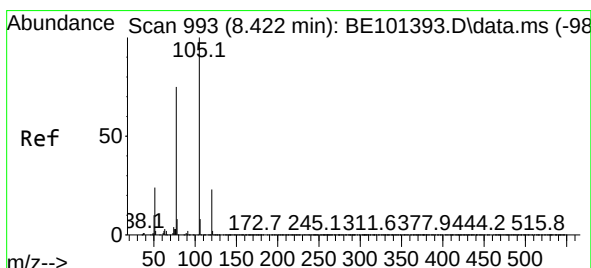
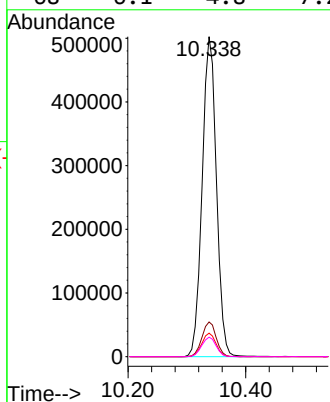
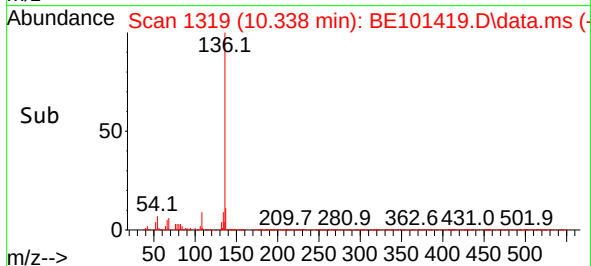
Instrument : BNA_E
ClientSampleId : MDL-SOIL-03-QT4-2024



Tgt Ion:136 Resp: 843710
Ion Ratio Lower Upper
136 100
137 10.9 9.0 13.6
54 7.3 5.9 8.9
68 6.1 4.8 7.2

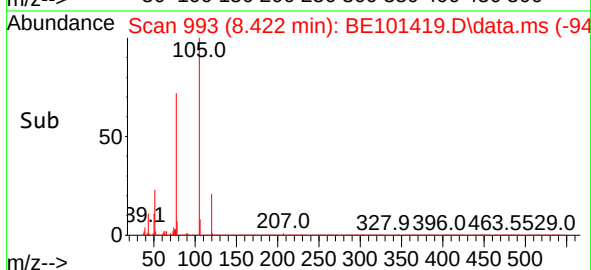
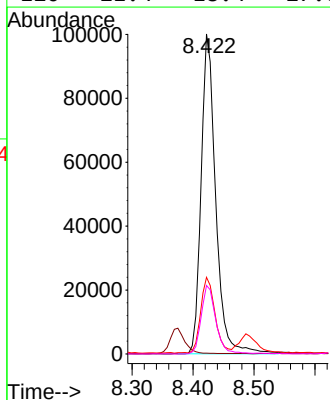
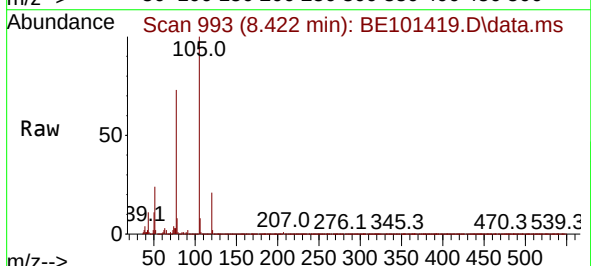
Manual Integrations
APPROVED

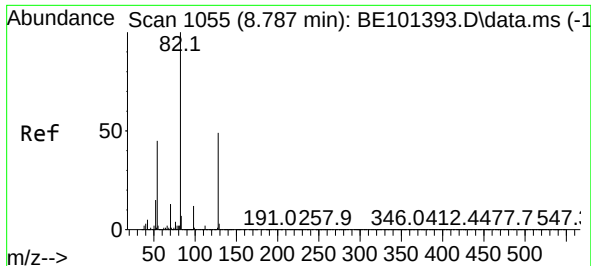
Reviewed By :Jagrut Upadhyay 11/05/2024
Supervised By :mohammad ahmed 11/06/2024



#22
Acetophenone
Concen: 8.686 ng
RT: 8.422 min Scan# 993
Delta R.T. -0.000 min
Lab File: BE101419.D
Acq: 30 Oct 2024 11:47

Tgt Ion:105 Resp: 166398
Ion Ratio Lower Upper
105 100
71 0.2 0.1 0.1#
51 24.0 19.4 29.0
120 21.4 18.4 27.6





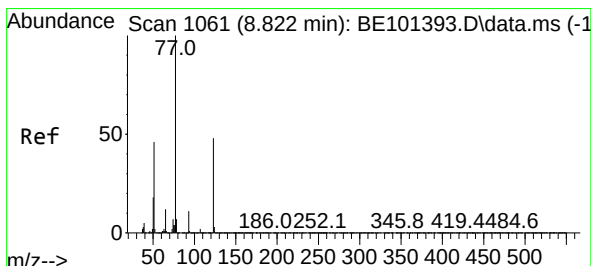
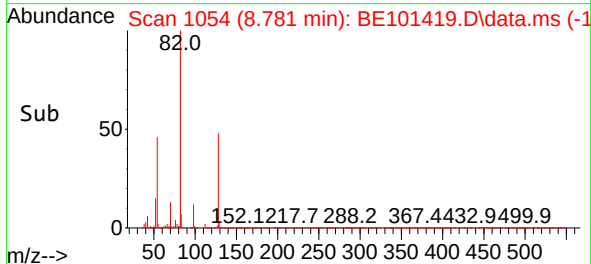
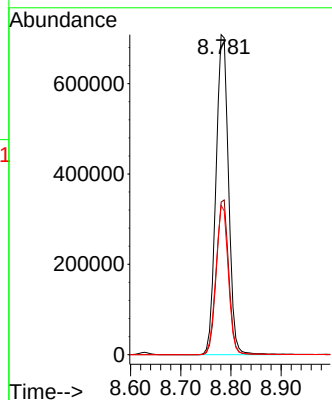
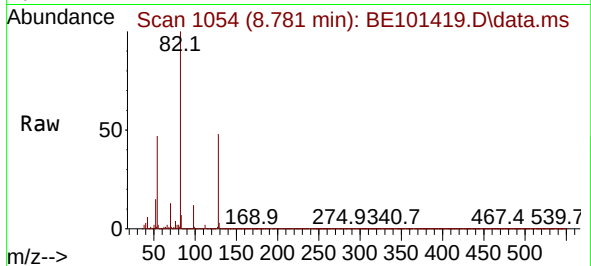
#23
Nitrobenzene-d5
Concen: 91.644 ng
RT: 8.781 min Scan# 1054
Delta R.T. -0.006 min
Lab File: BE101419.D
Acq: 30 Oct 2024 11:47

Instrument : BNA_E
ClientSampleId : MDL-SOIL-03-QT4-2024

Tgt Ion: 82 Resp: 1231048
Ion Ratio Lower Upper
82 100
128 47.7 38.9 58.3
54 46.6 36.2 54.4

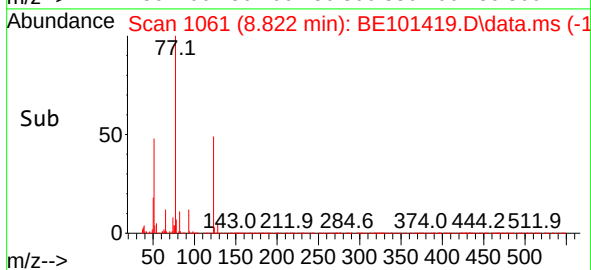
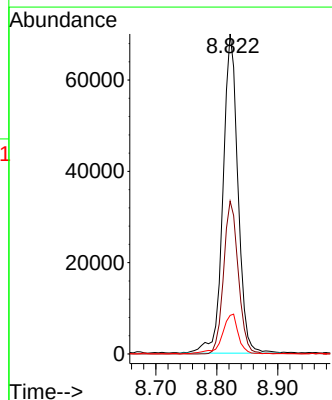
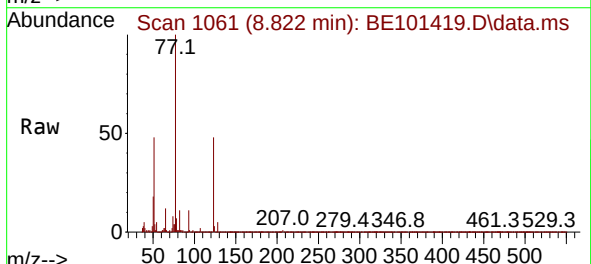
Manual Integrations
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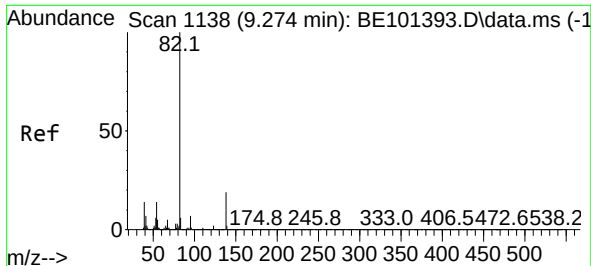
Reviewed By :Jagrut Upadhyay 11/05/2024
Supervised By :mohammad ahmed 11/06/2024



#24
Nitrobenzene
Concen: 8.341 ng
RT: 8.822 min Scan# 1061
Delta R.T. -0.000 min
Lab File: BE101419.D
Acq: 30 Oct 2024 11:47

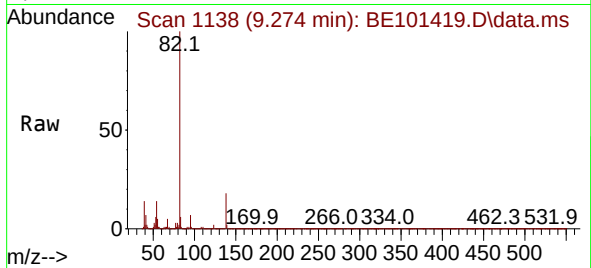
Tgt Ion: 77 Resp: 119253
Ion Ratio Lower Upper
77 100
123 47.8 38.7 58.1
65 12.0 10.0 15.0





#25
Isophorone
Concen: 8.591 ng
RT: 9.274 min Scan# 1138
Delta R.T. -0.000 min
Lab File: BE101419.D
Acq: 30 Oct 2024 11:47

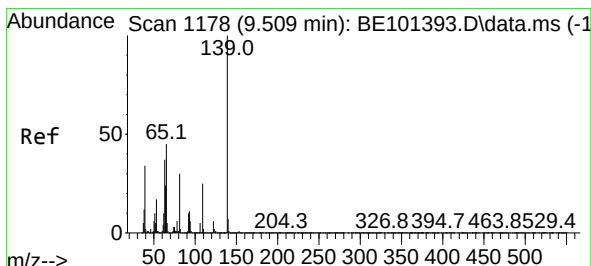
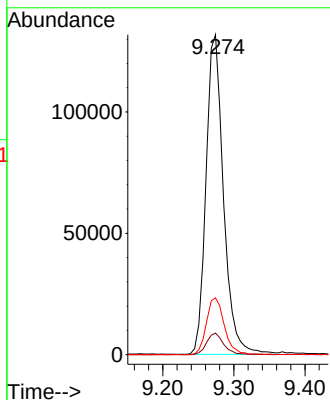
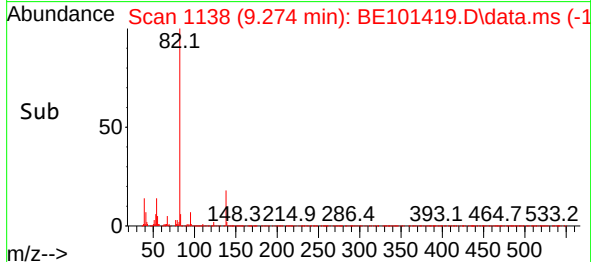
Instrument : BNA_E
ClientSampleId : MDL-SOIL-03-QT4-2024



Tgt Ion: 82 Resp: 22519
Ion Ratio Lower Upper
82 100
95 6.8 5.5 8.3
138 17.8 15.0 22.4

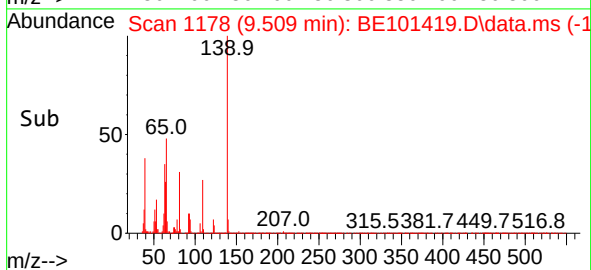
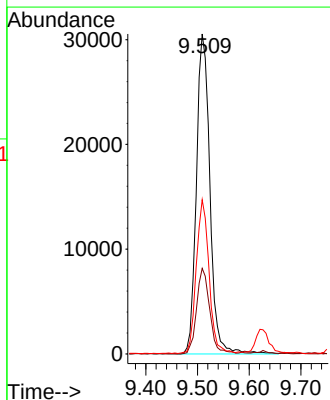
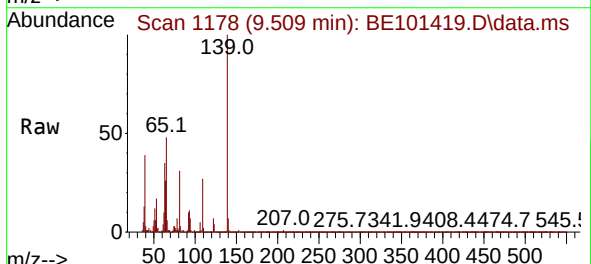
Manual Integrations
APPROVED

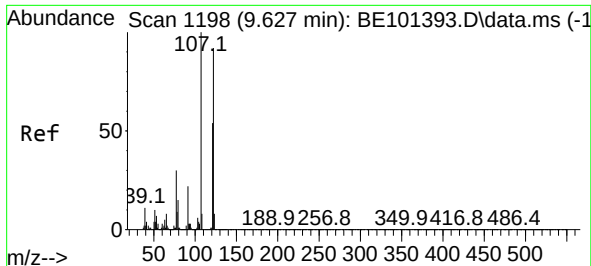
Reviewed By :Jagrut Upadhyay 11/05/2024
Supervised By :mohammad ahmed 11/06/2024



#26
2-Nitrophenol
Concen: 8.019 ng
RT: 9.509 min Scan# 1178
Delta R.T. -0.000 min
Lab File: BE101419.D
Acq: 30 Oct 2024 11:47

Tgt Ion:139 Resp: 55414
Ion Ratio Lower Upper
139 100
109 26.8 20.1 30.1
65 48.2 36.0 54.0





#27

2,4-Dimethylphenol

Concen: 5.526 ng

RT: 9.627 min Scan# 1198

Delta R.T. -0.000 min

Lab File: BE101419.D

Acq: 30 Oct 2024 11:47

Instrument :

BNA_E

ClientSampleId :

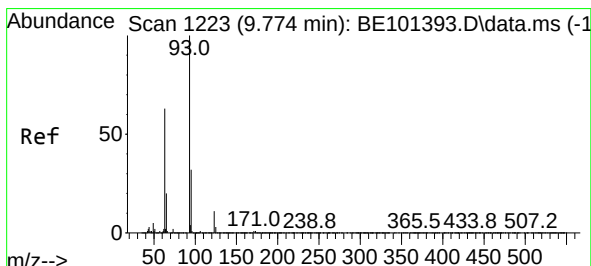
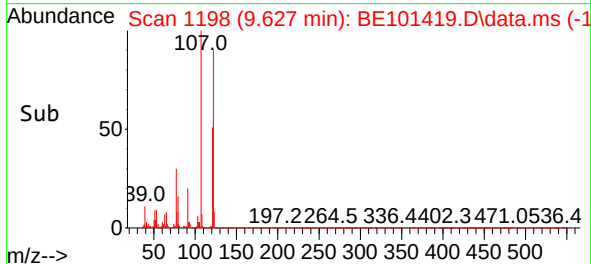
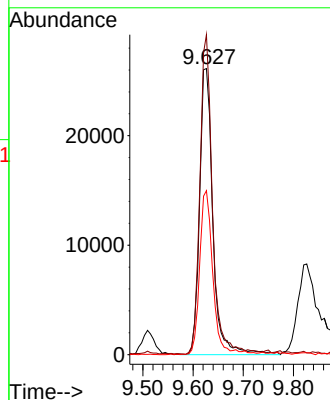
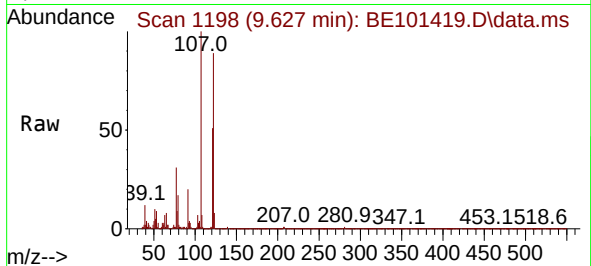
MDL-SOIL-03-QT4-2024

Tgt Ion:	122	Resp:	4805
Ion	Ratio	Lower	Upper
122	100		
107	111.8	87.4	131.0
121	57.3	47.4	71.0

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 11/05/2024
Supervised By :mohammad ahmed 11/06/2024



#28

bis(2-Chloroethoxy)methane

Concen: 8.386 ng

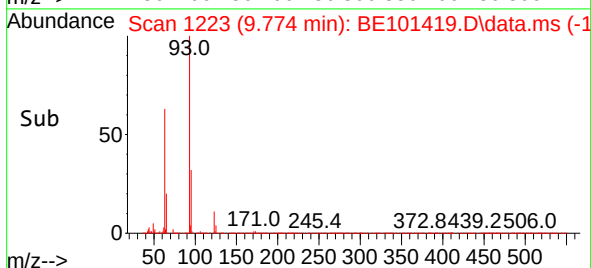
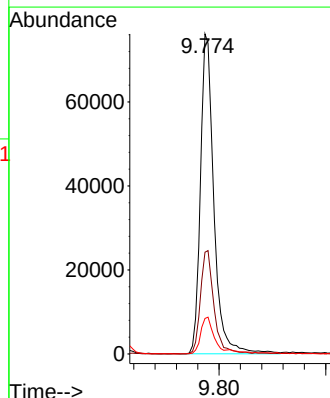
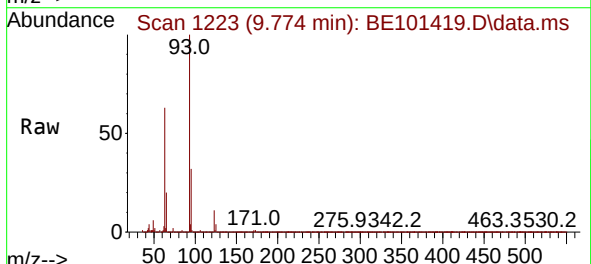
RT: 9.774 min Scan# 1223

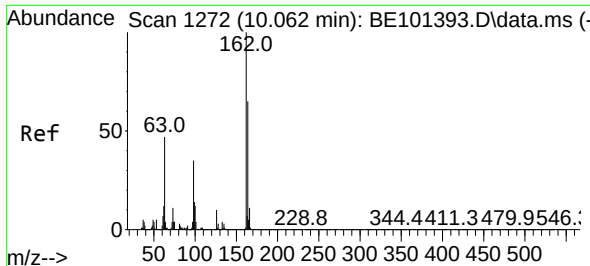
Delta R.T. -0.000 min

Lab File: BE101419.D

Acq: 30 Oct 2024 11:47

Tgt Ion:	93	Resp:	133305
Ion	Ratio	Lower	Upper
93	100		
95	31.8	25.8	38.6
123	11.1	8.6	13.0





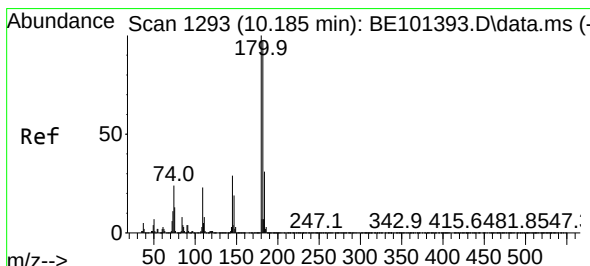
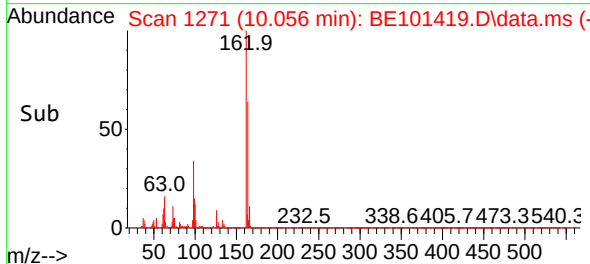
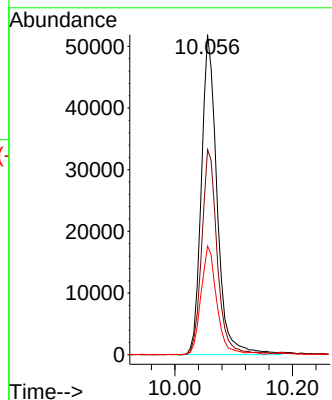
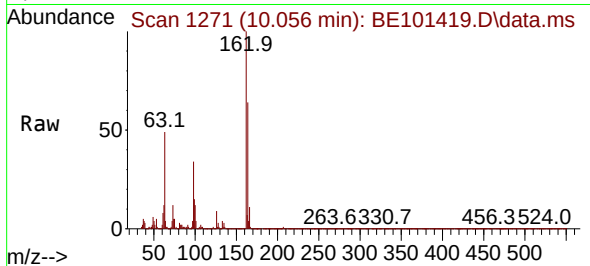
#29
2,4-Dichlorophenol
Concen: 7.994 ng
RT: 10.056 min Scan# 1272
Delta R.T. -0.006 min
Lab File: BE101419.D
Acq: 30 Oct 2024 11:47

Instrument :
BNA_E
ClientSampleId :
MDL-SOIL-03-QT4-2024

Tgt Ion:162 Resp: 9616
Ion Ratio Lower Upper
162 100
164 64.1 45.4 85.4
98 34.0 14.5 54.5

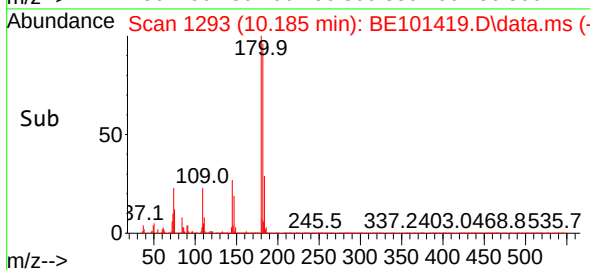
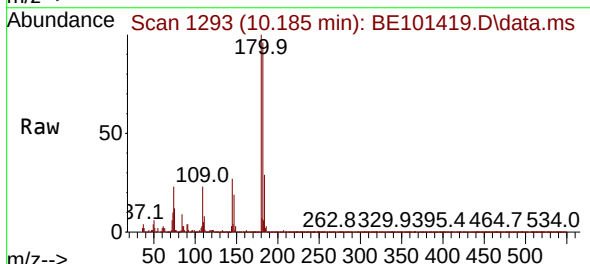
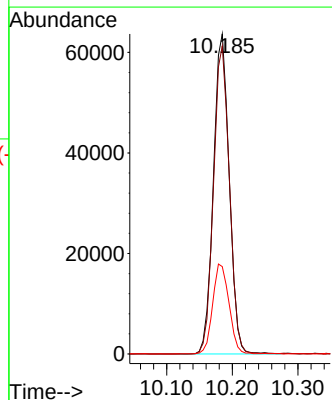
Manual Integrations
APPROVED

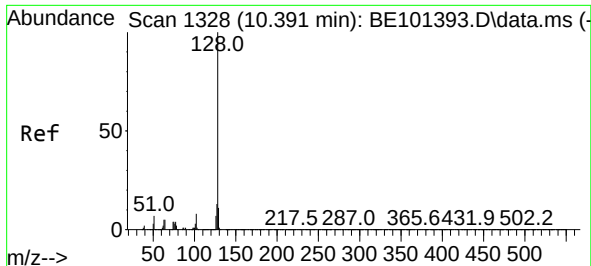
Reviewed By :Jagrut Upadhyay 11/05/2024
Supervised By :mohammad ahmed 11/06/2024



#30
1,2,4-Trichlorobenzene
Concen: 8.118 ng
RT: 10.185 min Scan# 1293
Delta R.T. -0.000 min
Lab File: BE101419.D
Acq: 30 Oct 2024 11:47

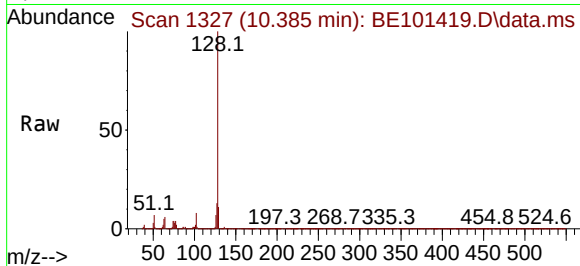
Tgt Ion:180 Resp: 106387
Ion Ratio Lower Upper
180 100
182 96.3 77.4 116.0
145 27.3 23.3 34.9





#31
Naphthalene
Concen: 8.205 ng
RT: 10.385 min Scan# 11
Delta R.T. -0.006 min
Lab File: BE101419.D
Acq: 30 Oct 2024 11:47

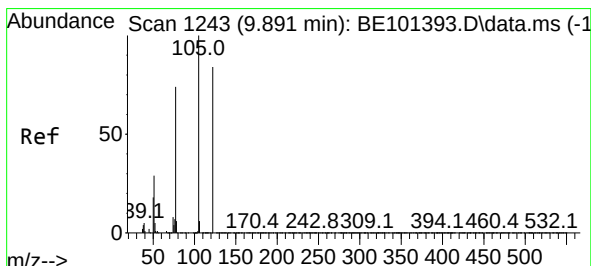
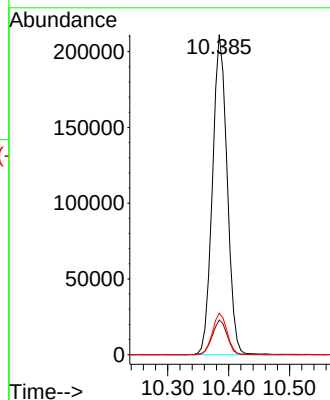
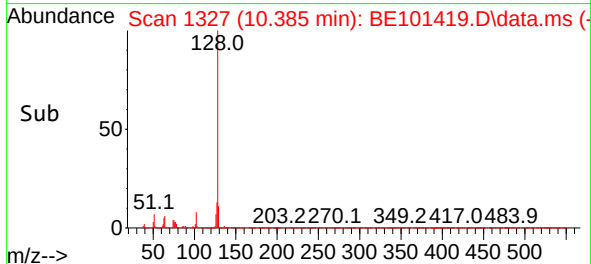
Instrument :
BNA_E
ClientSampleId :
MDL-SOIL-03-QT4-2024



Tgt Ion:128 Resp: 352760
Ion Ratio Lower Upper
128 100
129 10.9 8.8 13.2
127 13.0 10.3 15.5

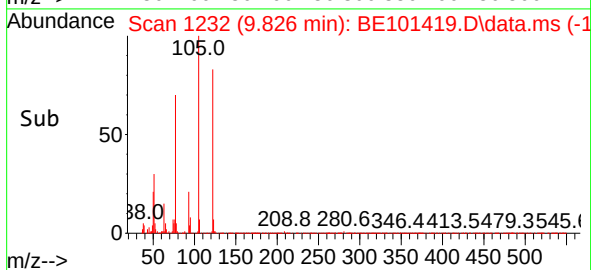
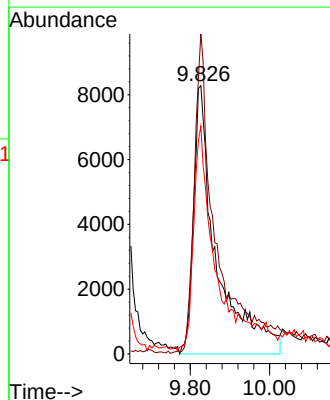
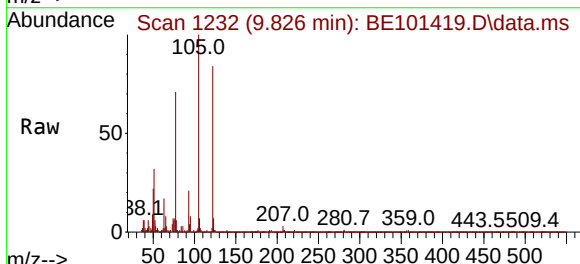
Manual Integrations
APPROVED

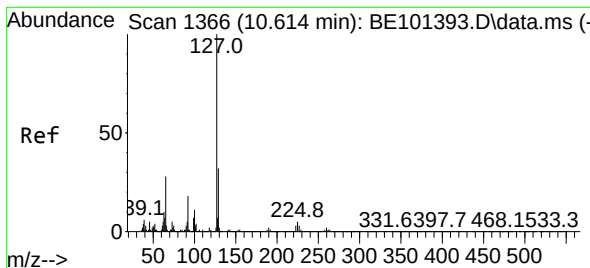
Reviewed By :Jagrut Upadhyay 11/05/2024
Supervised By :mohammad ahmed 11/06/2024



#32
Benzoic acid
Concen: 11.302 ng m
RT: 9.826 min Scan# 1232
Delta R.T. -0.065 min
Lab File: BE101419.D
Acq: 30 Oct 2024 11:47

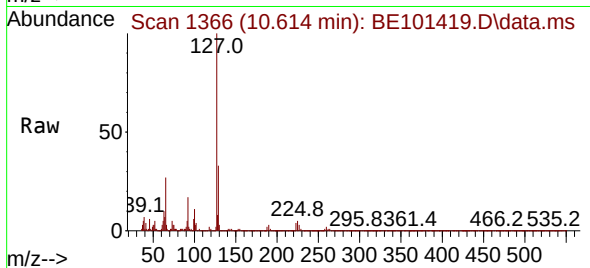
Tgt Ion:122 Resp: 33308
Ion Ratio Lower Upper
122 100
105 119.3 97.9 137.9
77 84.9 68.1 108.1





#33
4-Chloroaniline
Concen: 9.247 ng
RT: 10.614 min Scan# 1366
Delta R.T. -0.000 min
Lab File: BE101419.D
Acq: 30 Oct 2024 11:47

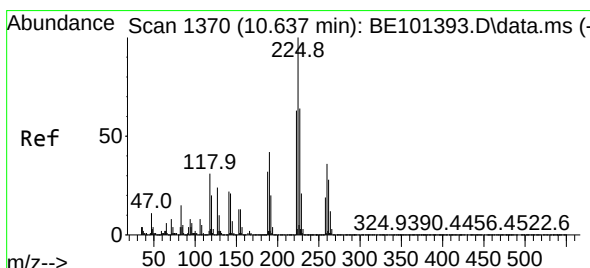
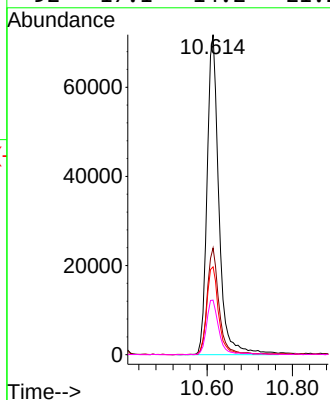
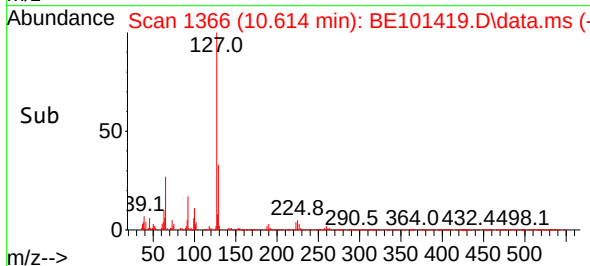
Instrument : BNA_E
ClientSampleId : MDL-SOIL-03-QT4-2024



Tgt Ion	Ratio	Lower	Upper
127	100		
129	33.4	25.7	38.5
65	27.4	22.2	33.4
92	17.1	14.2	21.2

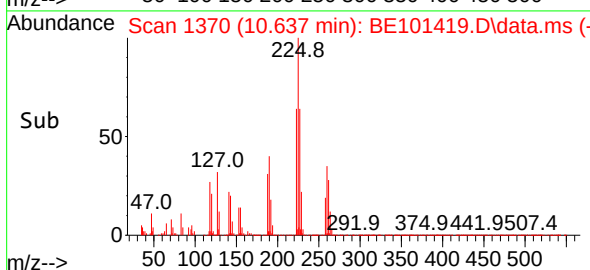
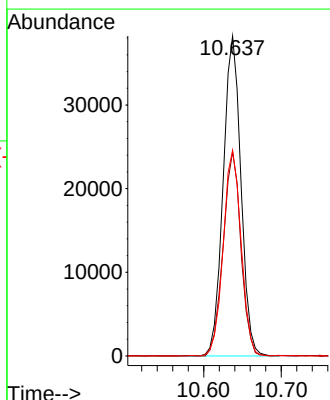
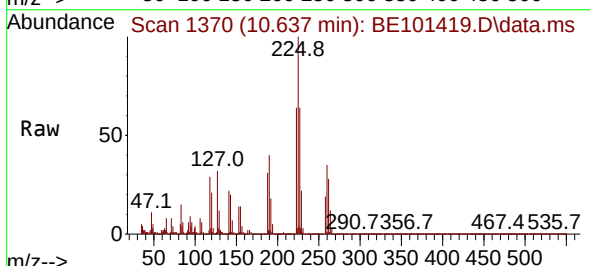
Manual Integrations
APPROVED

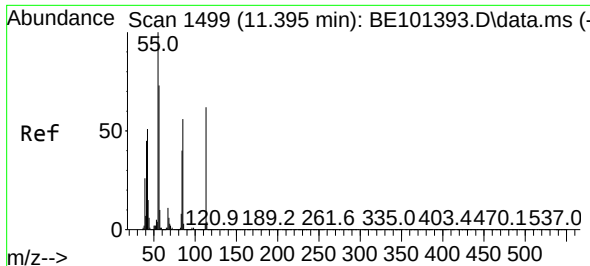
Reviewed By :Jagrut Upadhyay 11/05/2024
Supervised By :mohammad ahmed 11/06/2024



#34
Hexachlorobutadiene
Concen: 7.849 ng
RT: 10.637 min Scan# 1370
Delta R.T. -0.000 min
Lab File: BE101419.D
Acq: 30 Oct 2024 11:47

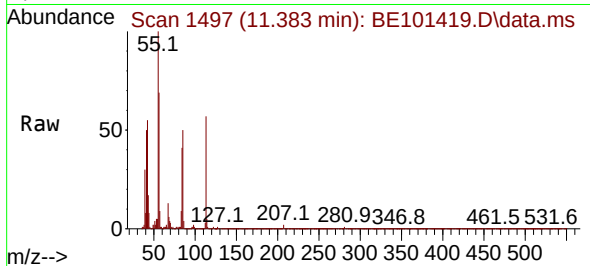
Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.2	50.5	75.7
227	61.7	51.0	76.6





#35
Caprolactam
Concen: 7.347 ng m
RT: 11.383 min Scan# 1499
Delta R.T. -0.012 min
Lab File: BE101419.D
Acq: 30 Oct 2024 11:47

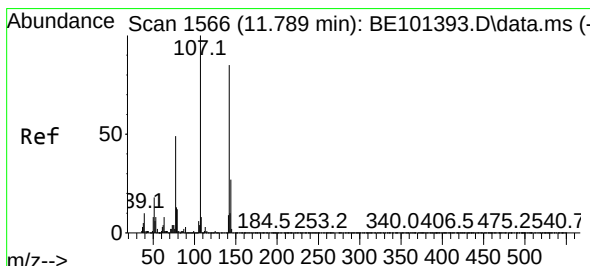
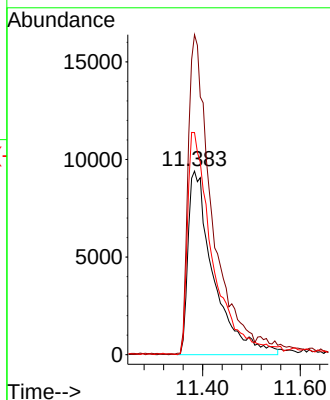
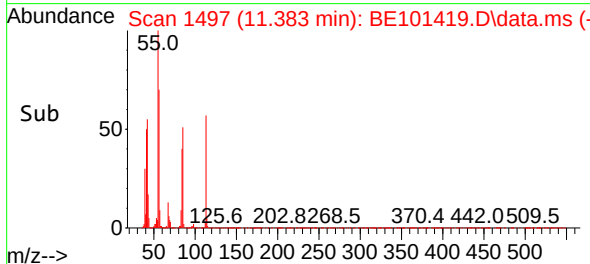
Instrument :
BNA_E
ClientSampleId :
MDL-SOIL-03-QT4-2024



Tgt Ion:113 Resp: 33880
Ion Ratio Lower Upper
113 100
55 174.3 141.2 181.2
56 121.0 96.9 136.9

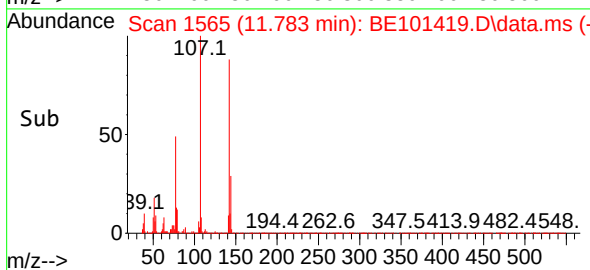
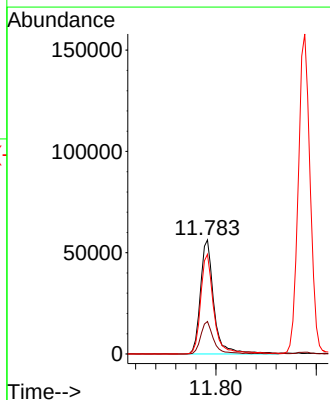
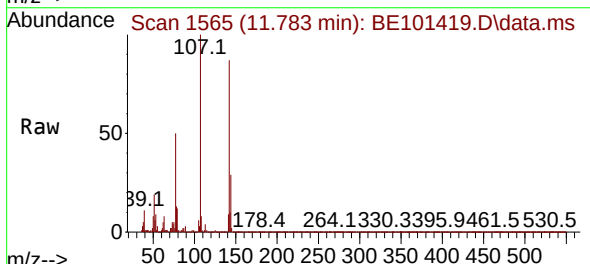
Manual Integrations
APPROVED

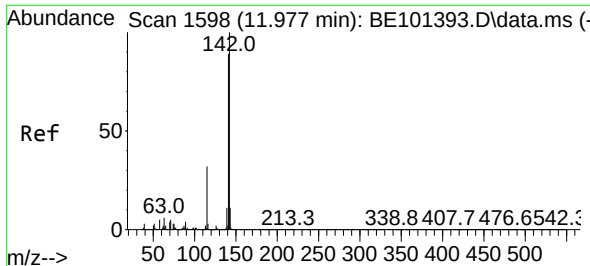
Reviewed By :Jagrut Upadhyay 11/05/2024
Supervised By :mohammad ahmed 11/06/2024



#36
4-Chloro-3-methylphenol
Concen: 7.629 ng
RT: 11.783 min Scan# 1565
Delta R.T. -0.006 min
Lab File: BE101419.D
Acq: 30 Oct 2024 11:47

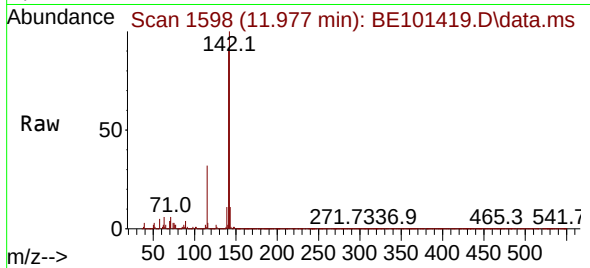
Tgt Ion:107 Resp: 104488
Ion Ratio Lower Upper
107 100
144 28.5 21.9 32.9
142 87.4 68.0 102.0





#37
2-Methylnaphthalene
Concen: 8.387 ng
RT: 11.977 min Scan# 1598
Delta R.T. -0.000 min
Lab File: BE101419.D
Acq: 30 Oct 2024 11:47

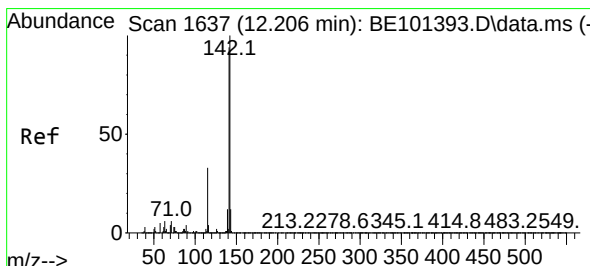
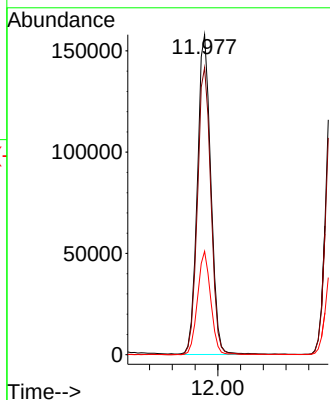
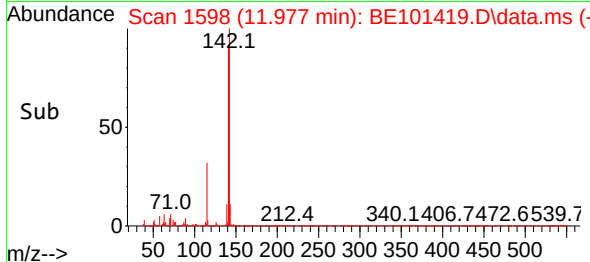
Instrument : BNA_E
ClientSampleId : MDL-SOIL-03-QT4-2024



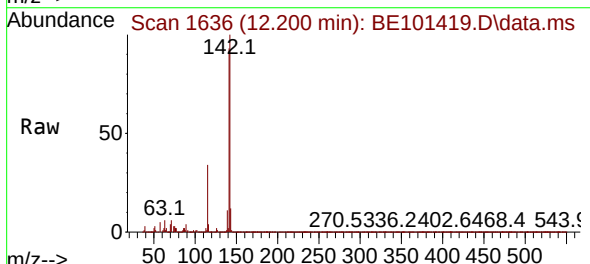
Tgt Ion:142 Resp: 259784
Ion Ratio Lower Upper
142 100
141 89.7 71.4 107.2
115 32.3 25.6 38.4

Manual Integrations
APPROVED

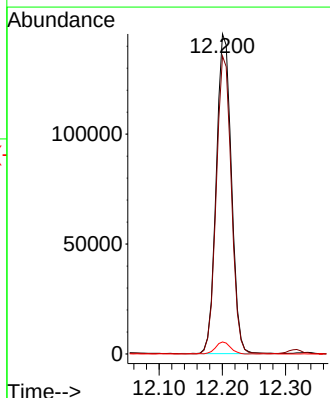
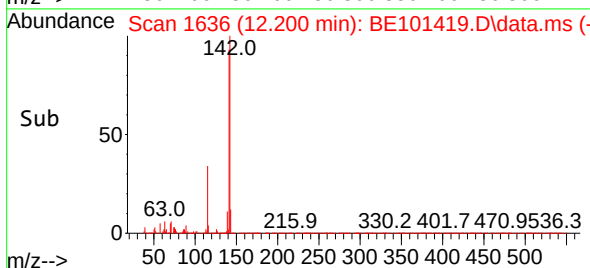
Reviewed By :Jagrut Upadhyay 11/05/2024
Supervised By :mohammad ahmed 11/06/2024

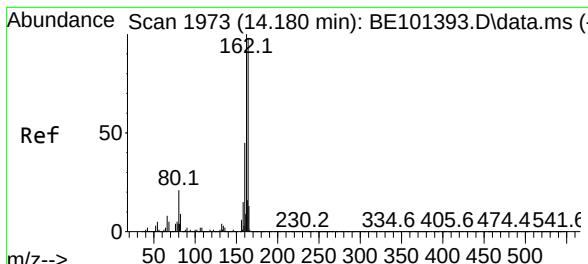


#38
1-Methylnaphthalene
Concen: 7.815 ng
RT: 12.200 min Scan# 1636
Delta R.T. -0.006 min
Lab File: BE101419.D
Acq: 30 Oct 2024 11:47



Tgt Ion:142 Resp: 241600
Ion Ratio Lower Upper
142 100
141 93.1 75.0 112.4
116 3.8 2.9 4.3





#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.180 min Scan# 1973
 Delta R.T. -0.000 min
 Lab File: BE101419.D
 Acq: 30 Oct 2024 11:47

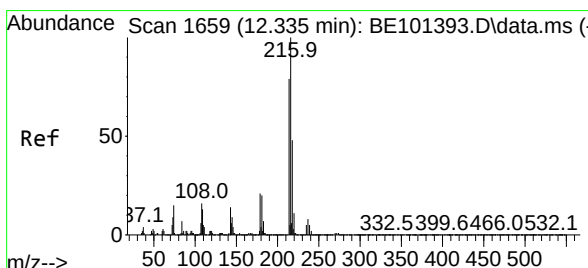
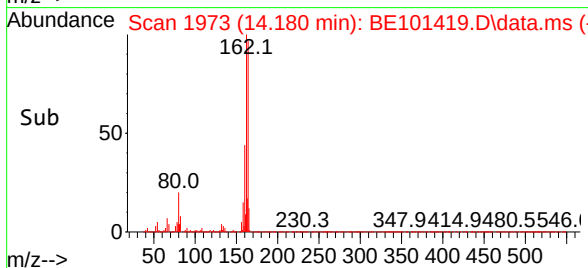
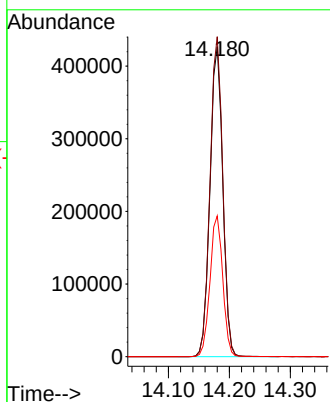
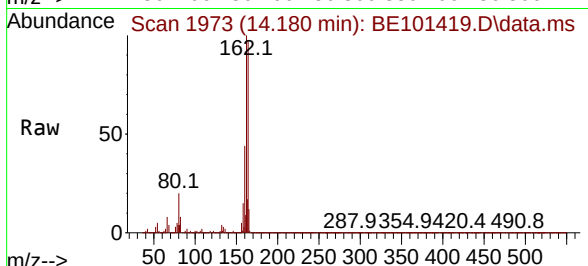
Instrument : BNA_E
 ClientSampleId : MDL-SOIL-03-QT4-2024

Tgt Ion:164 Resp: 621300

Ion	Ratio	Lower	Upper
164	100		
162	103.2	81.3	121.9
160	45.4	36.4	54.6

Manual Integrations
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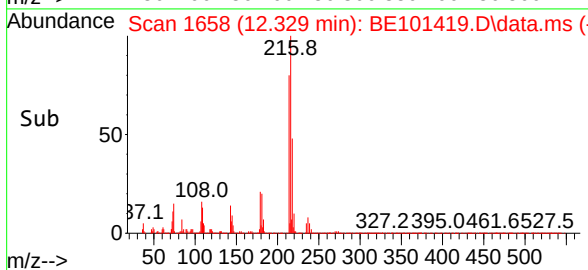
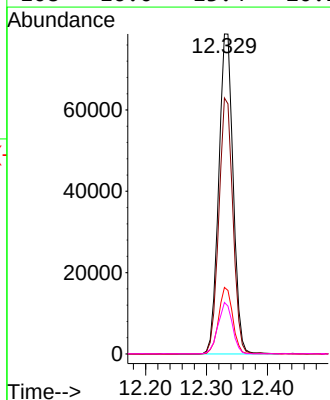
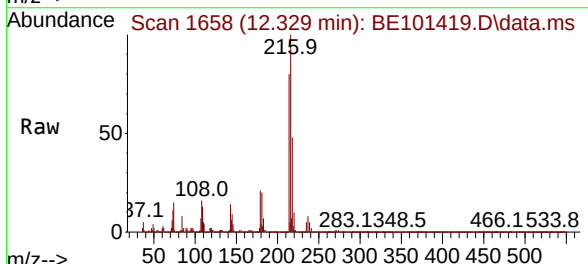
Reviewed By :Jagrut Upadhyay 11/05/2024
 Supervised By :mohammad ahmed 11/06/2024

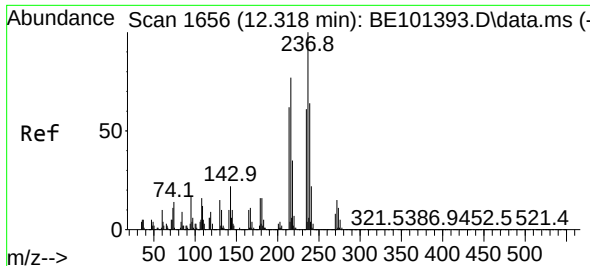


#40
 1,2,4,5-Tetrachlorobenzene
 Concen: 8.297 ng
 RT: 12.329 min Scan# 1658
 Delta R.T. -0.006 min
 Lab File: BE101419.D
 Acq: 30 Oct 2024 11:47

Tgt Ion:216 Resp: 129406

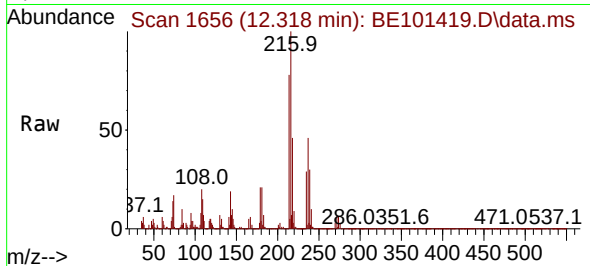
Ion	Ratio	Lower	Upper
216	100		
214	77.9	63.0	94.4
179	20.3	16.7	25.1
108	16.0	13.4	20.2





#41
Hexachlorocyclopentadiene
Concen: 4.653 ng
RT: 12.318 min Scan# 1656
Delta R.T. -0.000 min
Lab File: BE101419.D
Acq: 30 Oct 2024 11:47

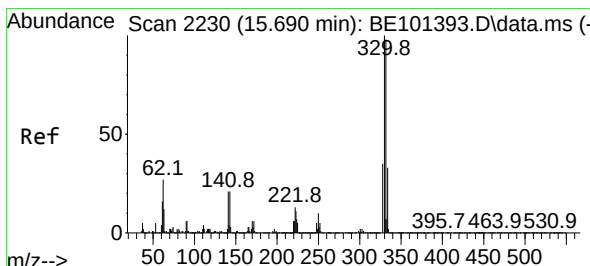
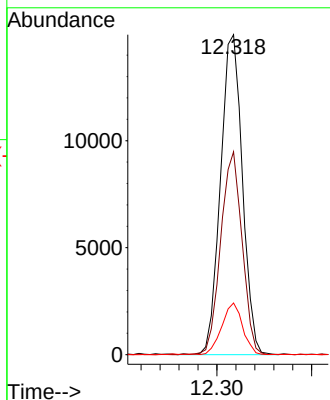
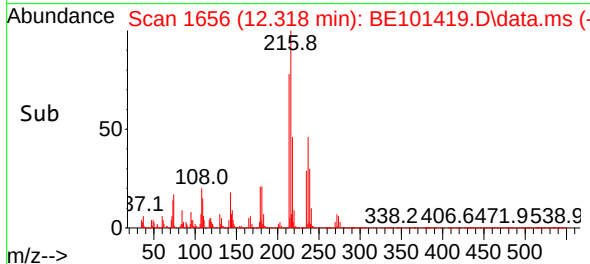
Instrument : BNA_E
ClientSampleId : MDL-SOIL-03-QT4-2024



Tgt Ion: 237 Resp: 23968
Ion Ratio Lower Upper
237 100
235 63.4 41.3 81.3
272 16.2 0.0 34.6

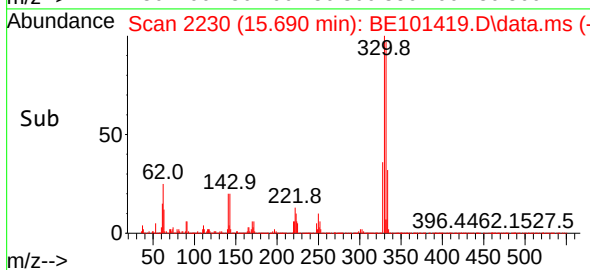
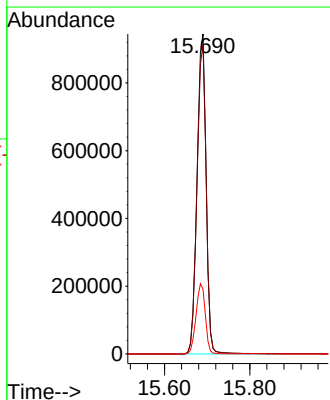
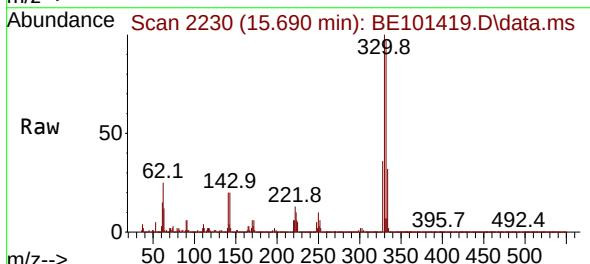
Manual Integrations
APPROVED

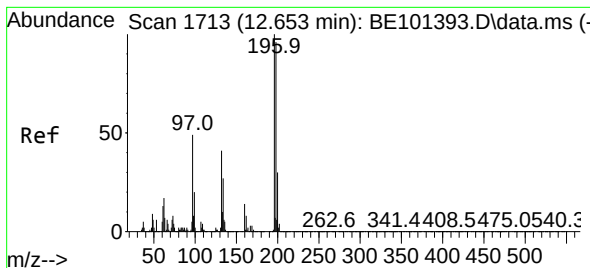
Reviewed By :Jagrut Upadhyay 11/05/2024
Supervised By :mohammad ahmed 11/06/2024



#42
2,4,6-Tribromophenol
Concen: 128.832 ng
RT: 15.690 min Scan# 2230
Delta R.T. -0.000 min
Lab File: BE101419.D
Acq: 30 Oct 2024 11:47

Tgt Ion: 330 Resp: 1402912
Ion Ratio Lower Upper
330 100
332 96.9 78.2 117.2
141 22.4 18.3 27.5





#43

2,4,6-Trichlorophenol

Concen: 7.919 ng

RT: 12.653 min Scan# 1713

Delta R.T. -0.000 min

Lab File: BE101419.D

Acq: 30 Oct 2024 11:47

Instrument :

BNA_E

ClientSampleId :

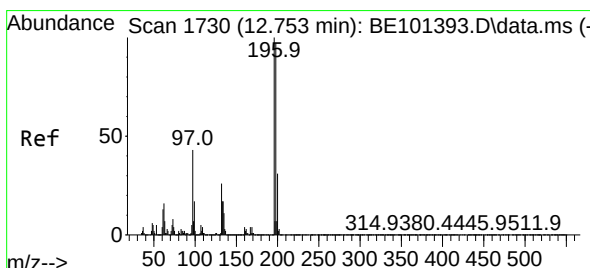
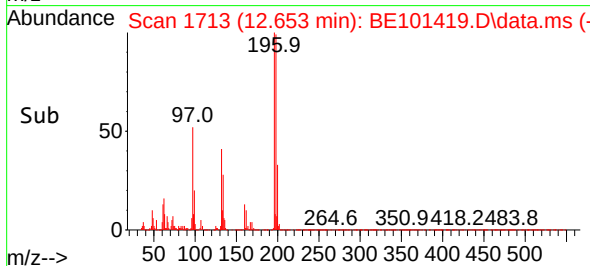
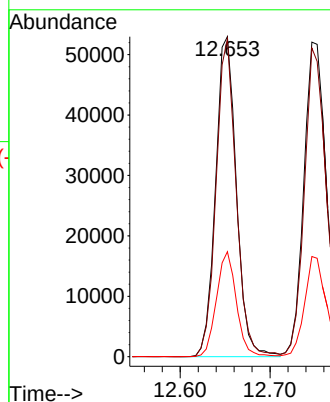
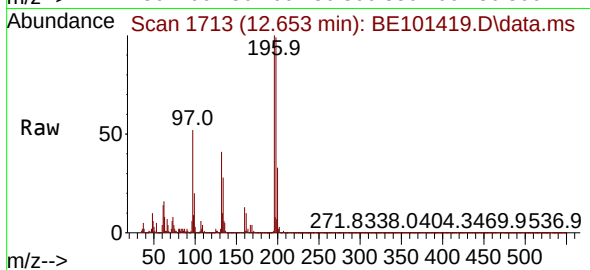
MDL-SOIL-03-QT4-2024

Tgt Ion:	196	Resp:	8514
Ion Ratio	Lower	Upper	
196	100		
198	99.4	76.6	115.0
200	32.8	24.1	36.1

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 11/05/2024
Supervised By :mohammad ahmed 11/06/2024



#44

2,4,5-Trichlorophenol

Concen: 7.711 ng

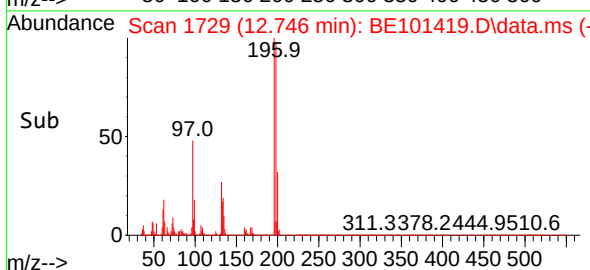
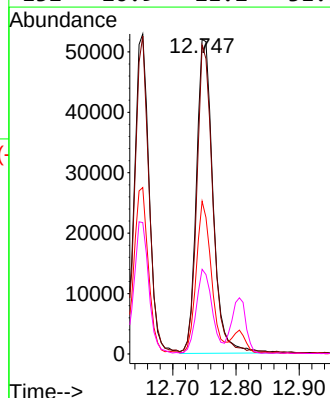
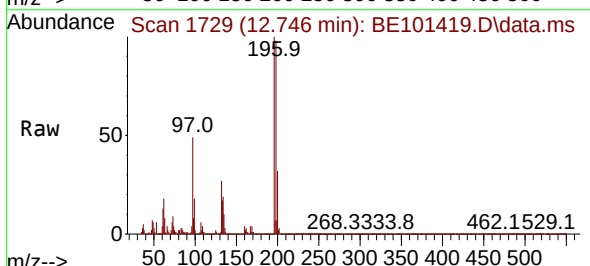
RT: 12.746 min Scan# 1729

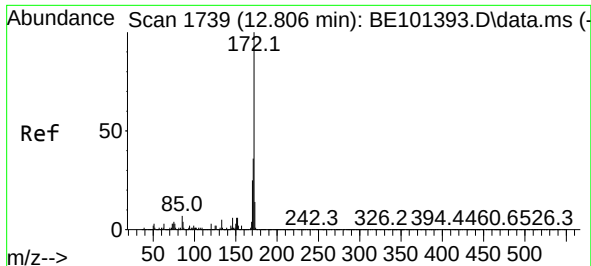
Delta R.T. -0.006 min

Lab File: BE101419.D

Acq: 30 Oct 2024 11:47

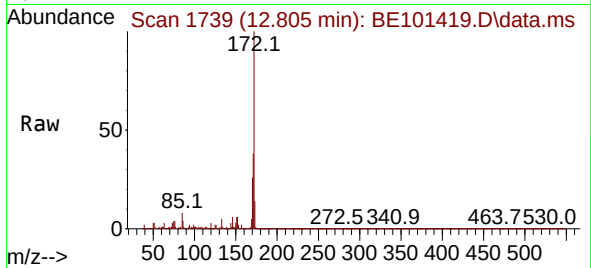
Tgt Ion:	196	Resp:	94943
Ion Ratio	Lower	Upper	
196	100		
198	98.1	77.4	116.0
97	48.5	34.8	52.2
132	26.9	21.2	31.8





#45
2-Fluorobiphenyl
Concen: 86.052 ng
RT: 12.805 min Scan# 1739
Delta R.T. -0.000 min
Lab File: BE101419.D
Acq: 30 Oct 2024 11:47

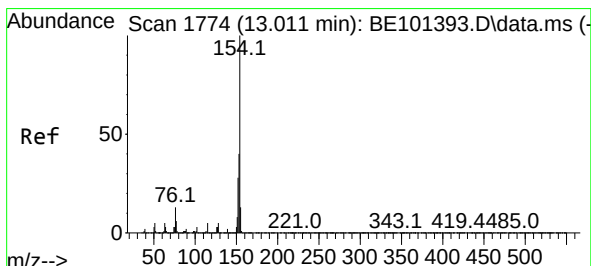
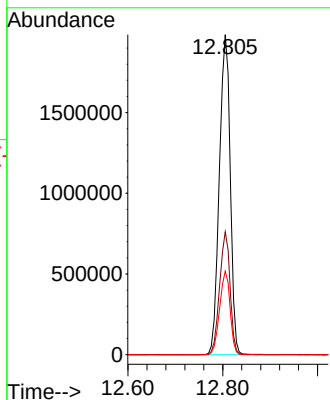
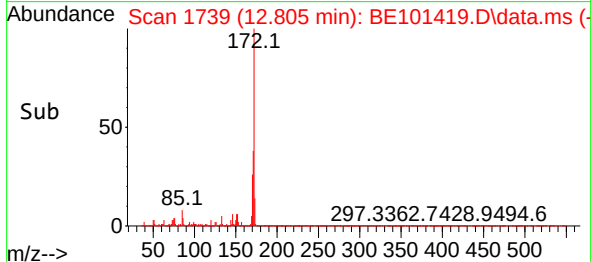
Instrument : BNA_E
ClientSampleId : MDL-SOIL-03-QT4-2024



Tgt Ion:172 Resp: 3156990
Ion Ratio Lower Upper
172 100
171 38.4 29.2 43.8
170 26.1 19.8 29.6

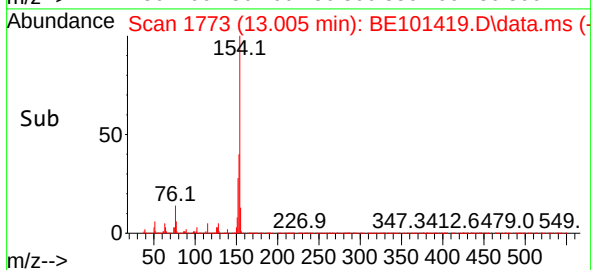
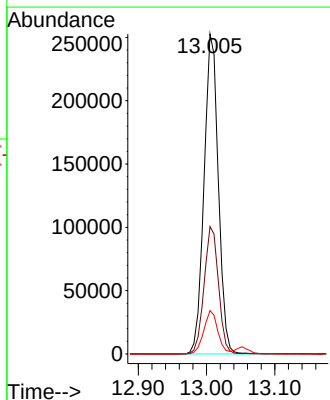
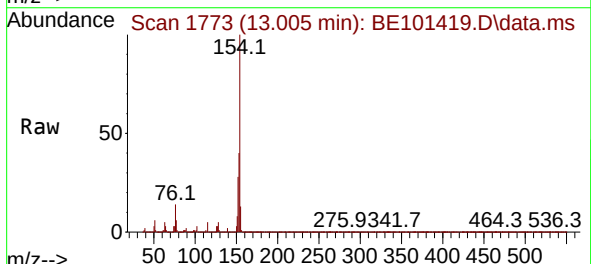
Manual Integrations
APPROVED

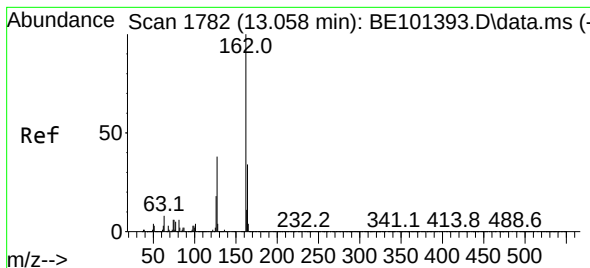
Reviewed By :Jagrut Upadhyay 11/05/2024
Supervised By :mohammad ahmed 11/06/2024



#46
1,1'-Biphenyl
Concen: 8.645 ng
RT: 13.005 min Scan# 1773
Delta R.T. -0.006 min
Lab File: BE101419.D
Acq: 30 Oct 2024 11:47

Tgt Ion:154 Resp: 367969
Ion Ratio Lower Upper
154 100
153 39.8 20.3 60.3
76 13.6 0.0 32.6





#47

2-Chloronaphthalene

Concen: 8.090 ng

RT: 13.052 min Scan# 1

Delta R.T. -0.006 min

Lab File: BE101419.D

Acq: 30 Oct 2024 11:47

Instrument :

BNA_E

ClientSampleId :

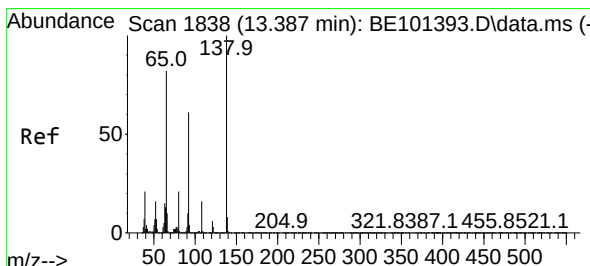
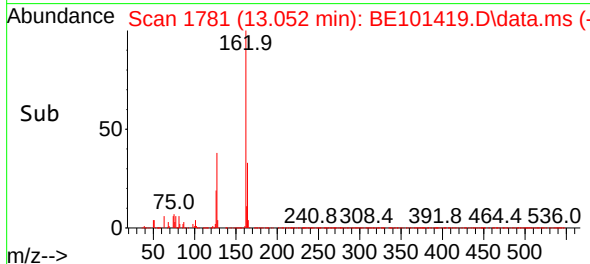
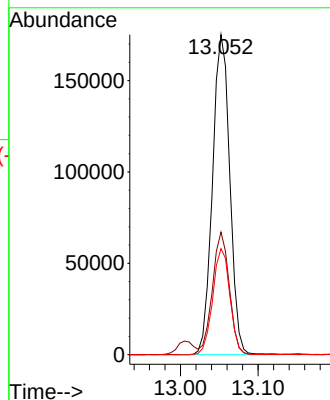
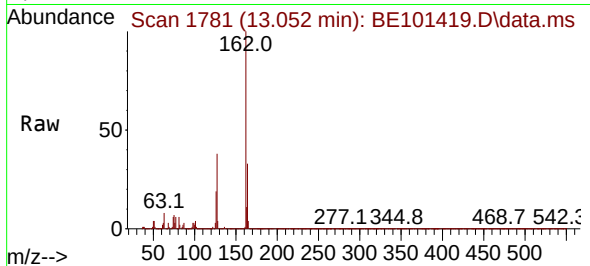
MDL-SOIL-03-QT4-2024

Tgt Ion:162	Resp:	27207
Ion Ratio	Lower	Upper
162	100	
127	38.3	30.4 45.6
164	33.1	27.0 40.6

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 11/05/2024
Supervised By :mohammad ahmed 11/06/2024



#48

2-Nitroaniline

Concen: 7.510 ng

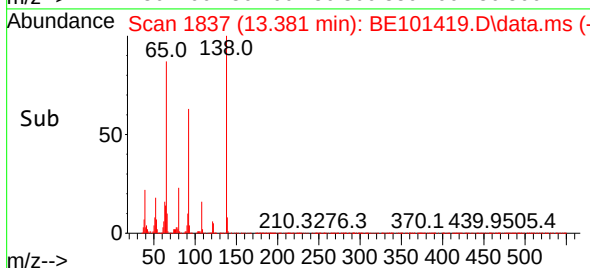
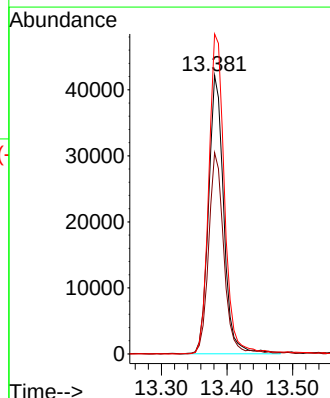
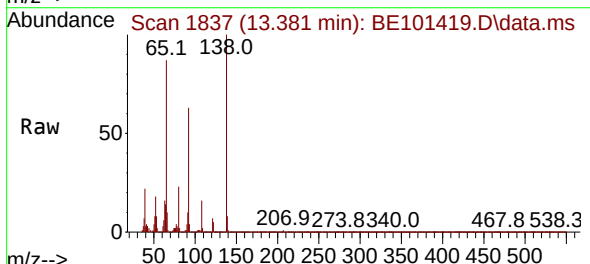
RT: 13.381 min Scan# 1837

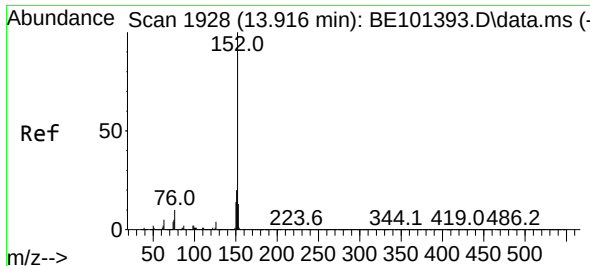
Delta R.T. -0.006 min

Lab File: BE101419.D

Acq: 30 Oct 2024 11:47

Tgt Ion: 65	Resp:	67973
Ion Ratio	Lower	Upper
65	100	
92	72.2	59.0 88.4
138	114.9	97.4 146.0





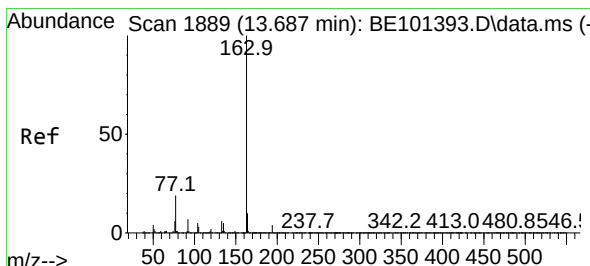
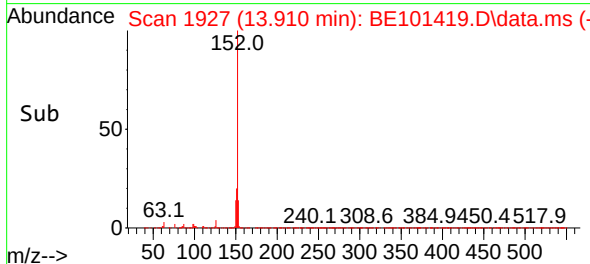
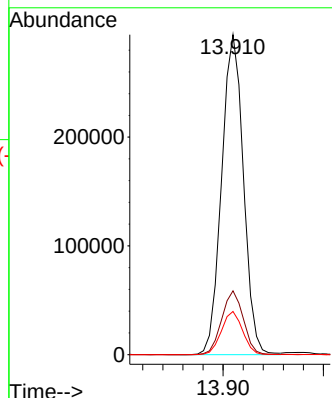
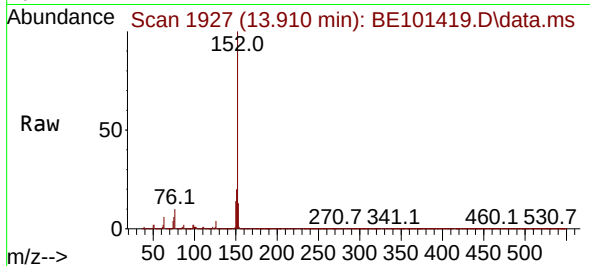
#49
Acenaphthylene
Concen: 8.913 ng
RT: 13.910 min Scan# 1927
Delta R.T. -0.006 min
Lab File: BE101419.D
Acq: 30 Oct 2024 11:47

Instrument :
BNA_E
ClientSampleId :
MDL-SOIL-03-QT4-2024

Tgt Ion:152 Resp: 44328
Ion Ratio Lower Upper
152 100
151 20.0 16.2 24.4
153 13.5 10.5 15.7

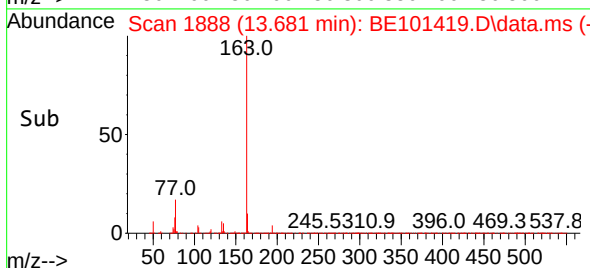
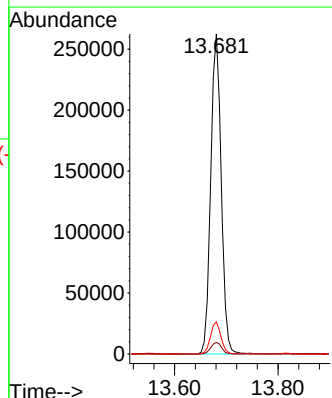
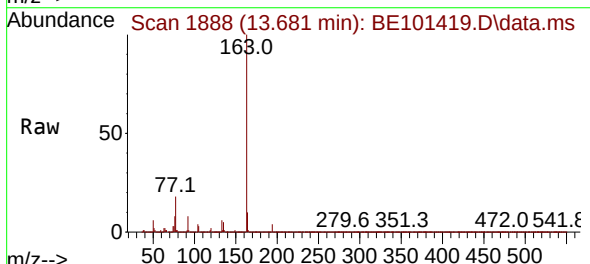
Manual Integrations
APPROVED

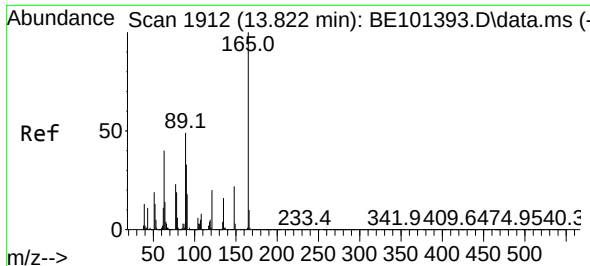
Reviewed By :Jagrut Upadhyay 11/05/2024
Supervised By :mohammad ahmed 11/06/2024



#50
Dimethylphthalate
Concen: 8.412 ng
RT: 13.681 min Scan# 1888
Delta R.T. -0.006 min
Lab File: BE101419.D
Acq: 30 Oct 2024 11:47

Tgt Ion:163 Resp: 368902
Ion Ratio Lower Upper
163 100
194 3.6 2.9 4.3
164 10.0 8.4 12.6





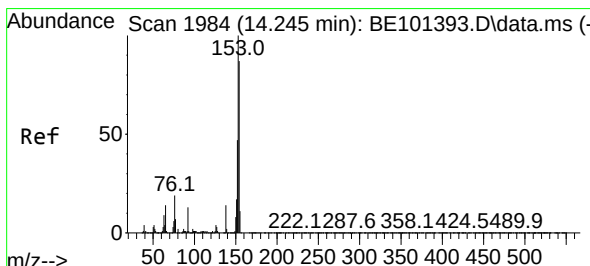
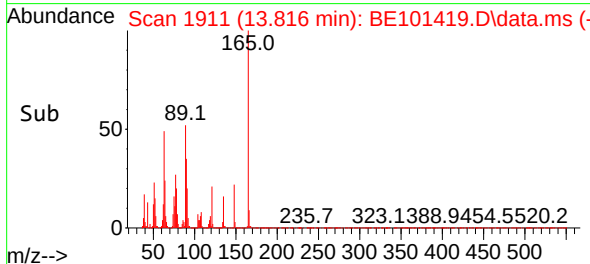
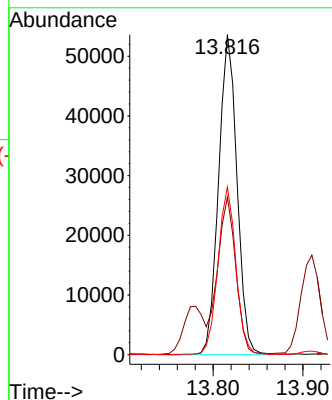
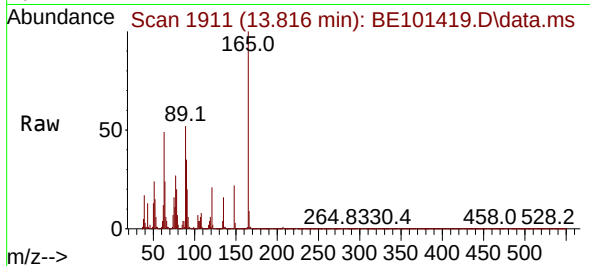
#51
2,6-Dinitrotoluene
Concen: 7.524 ng
RT: 13.816 min Scan# 1911
Delta R.T. -0.006 min
Lab File: BE101419.D
Acq: 30 Oct 2024 11:47

Instrument :
BNA_E
ClientSampleId :
MDL-SOIL-03-QT4-2024

Tgt Ion:165 Resp: 76180
Ion Ratio Lower Upper
165 100
63 49.2 38.0 57.0
89 52.4 39.5 59.3

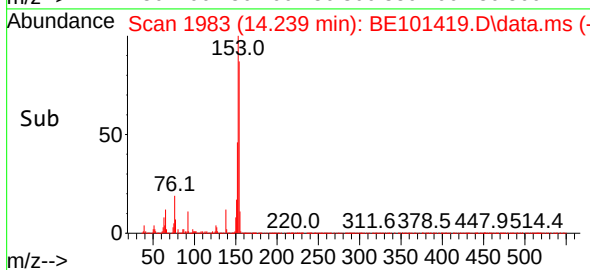
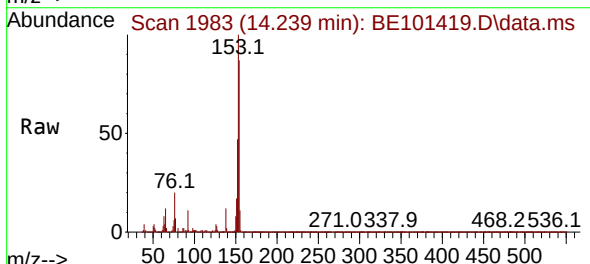
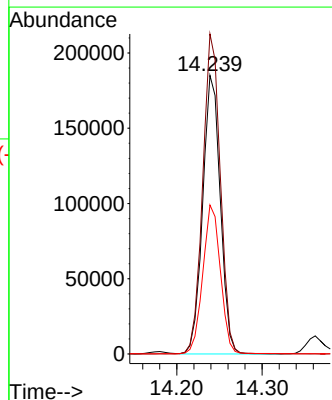
Manual Integrations
APPROVED

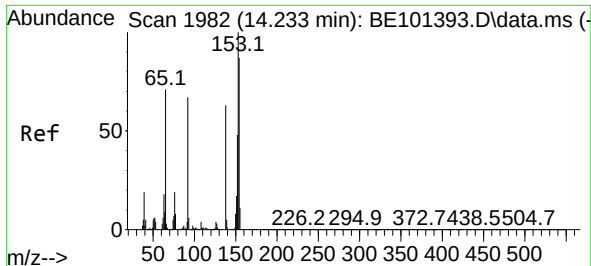
Reviewed By :Jagrut Upadhyay 11/05/2024
Supervised By :mohammad ahmed 11/06/2024



#52
Acenaphthene
Concen: 8.166 ng
RT: 14.239 min Scan# 1983
Delta R.T. -0.006 min
Lab File: BE101419.D
Acq: 30 Oct 2024 11:47

Tgt Ion:154 Resp: 265178
Ion Ratio Lower Upper
154 100
153 114.9 91.8 137.6
152 53.5 43.1 64.7





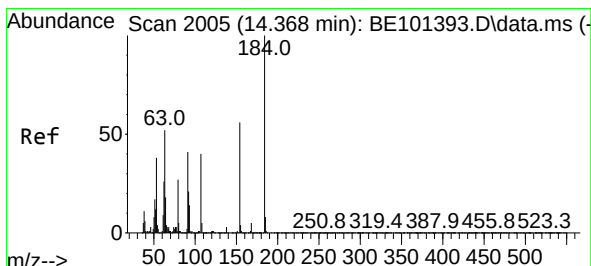
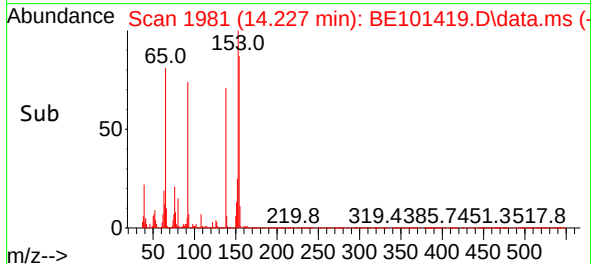
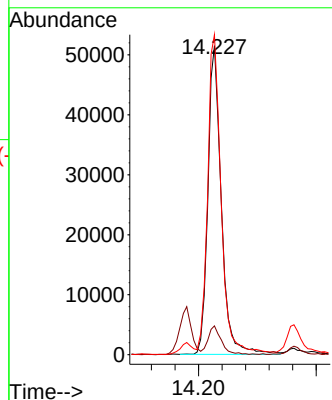
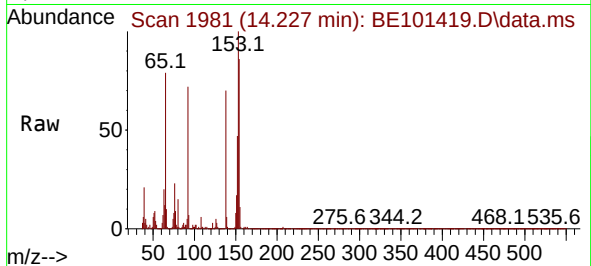
#53
3-Nitroaniline
Concen: 8.104 ng
RT: 14.227 min Scan# 1982
Delta R.T. -0.006 min
Lab File: BE101419.D
Acq: 30 Oct 2024 11:47

Instrument :
BNA_E
ClientSampleId :
MDL-SOIL-03-QT4-2024

Tgt Ion:138 Resp: 81590
Ion Ratio Lower Upper
138 100
108 9.3 7.1 10.7
92 103.6 84.4 126.6

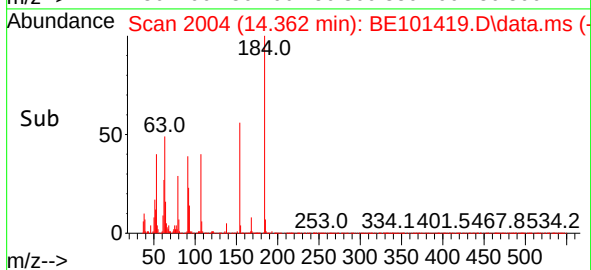
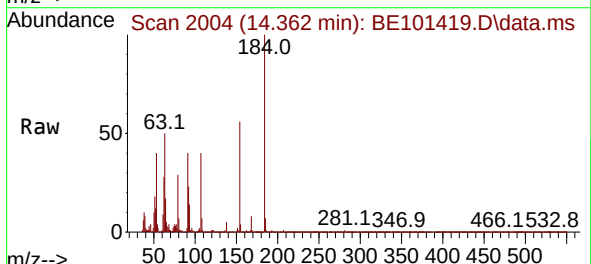
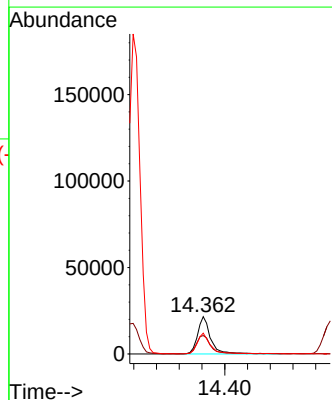
Manual Integrations
APPROVED

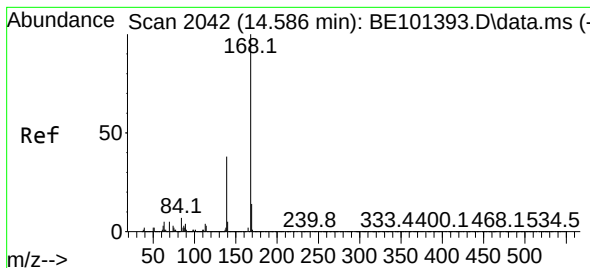
Reviewed By :Jagrut Upadhyay 11/05/2024
Supervised By :mohammad ahmed 11/06/2024



#54
2,4-Dinitrophenol
Concen: 10.045 ng
RT: 14.362 min Scan# 2004
Delta R.T. -0.006 min
Lab File: BE101419.D
Acq: 30 Oct 2024 11:47

Tgt Ion:184 Resp: 34264
Ion Ratio Lower Upper
184 100
63 49.5 41.8 62.6
154 55.7 44.9 67.3





#55

Dibenzenofuran

Concen: 8.568 ng

RT: 14.580 min Scan# 2042

Delta R.T. -0.006 min

Lab File: BE101419.D

Acq: 30 Oct 2024 11:47

Instrument :

BNA_E

ClientSampleId :

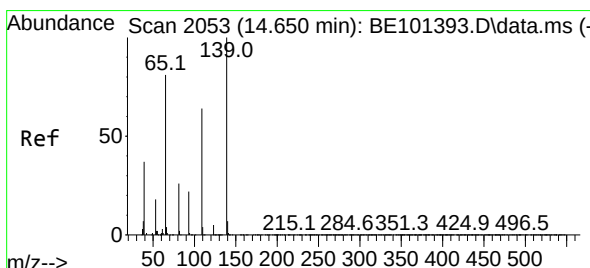
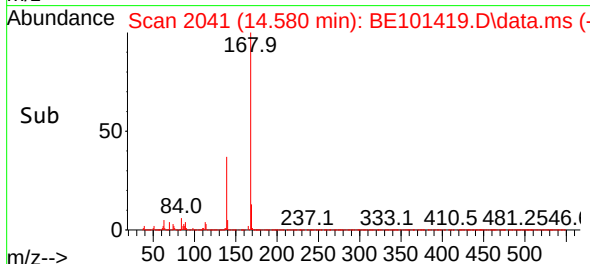
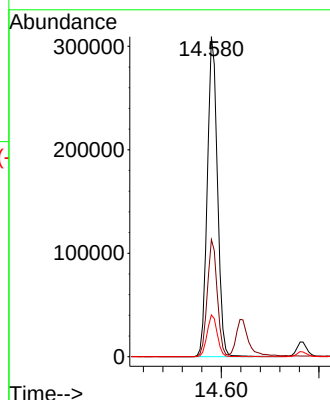
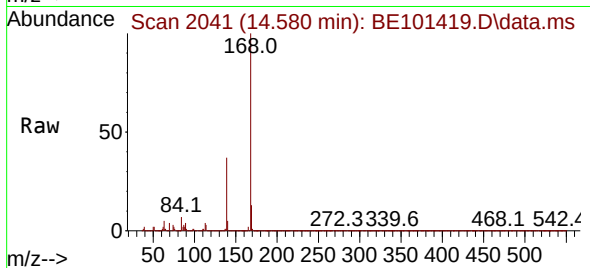
MDL-SOIL-03-QT4-2024

Tgt Ion:	168	Resp:	44346
Ion Ratio	Lower	Upper	
168	100		
139	36.6	30.2	45.4
169	13.1	11.0	16.4

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 11/05/2024
Supervised By :mohammad ahmed 11/06/2024



#56

4-Nitrophenol

Concen: 6.819 ng

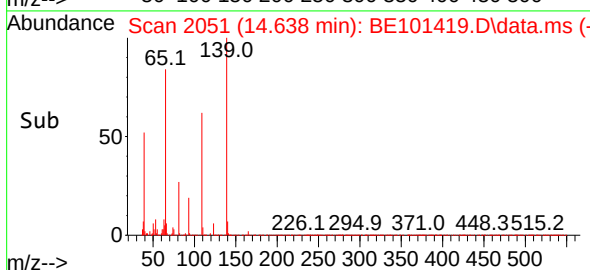
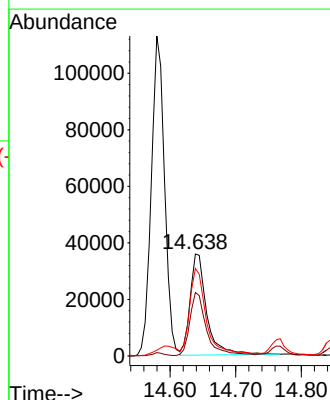
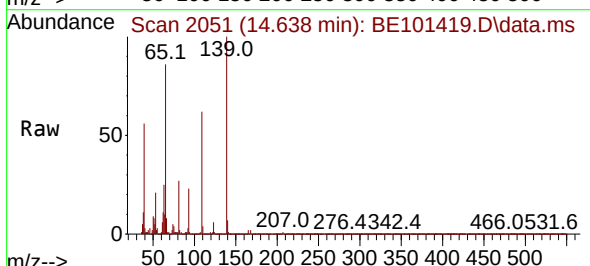
RT: 14.638 min Scan# 2051

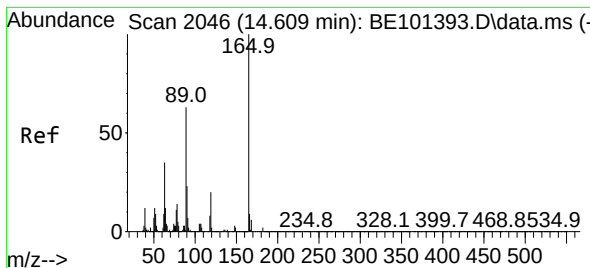
Delta R.T. -0.012 min

Lab File: BE101419.D

Acq: 30 Oct 2024 11:47

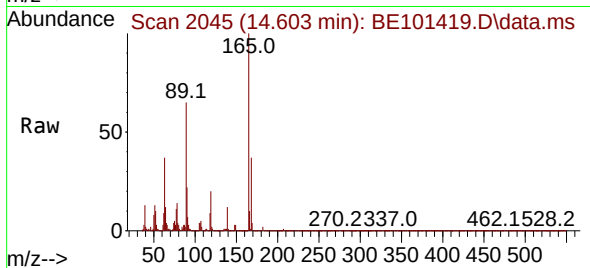
Tgt Ion:	139	Resp:	62870
Ion Ratio	Lower	Upper	
139	100		
109	62.4	42.4	82.4
65	86.0	63.4	103.4





#57
2,4-Dinitrotoluene
Concen: 7.469 ng
RT: 14.603 min Scan# 2046
Delta R.T. -0.006 min
Lab File: BE101419.D
Acq: 30 Oct 2024 11:47

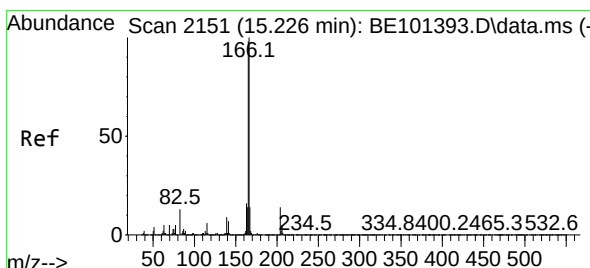
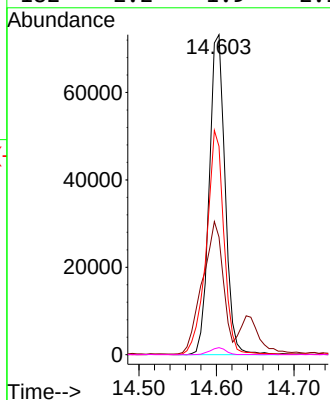
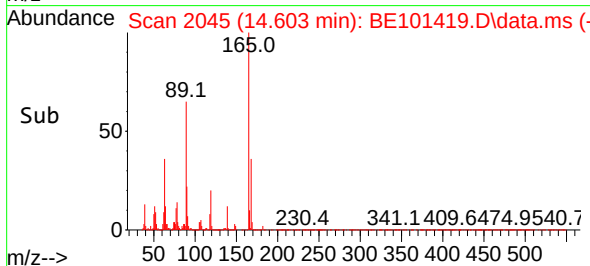
Instrument : BNA_E
ClientSampleId : MDL-SOIL-03-QT4-2024



Tgt Ion:165 Resp: 104109
Ion Ratio Lower Upper
165 100
63 36.7 28.6 42.8
89 65.1 50.8 76.2
182 2.2 1.9 2.9

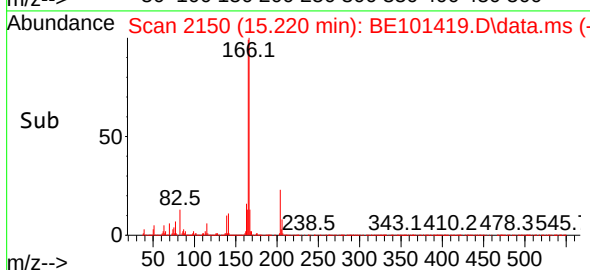
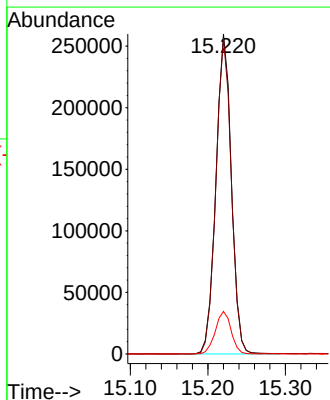
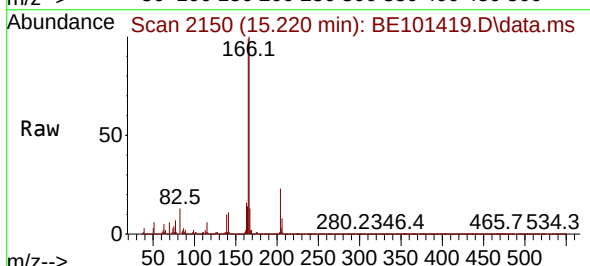
Manual Integrations
APPROVED

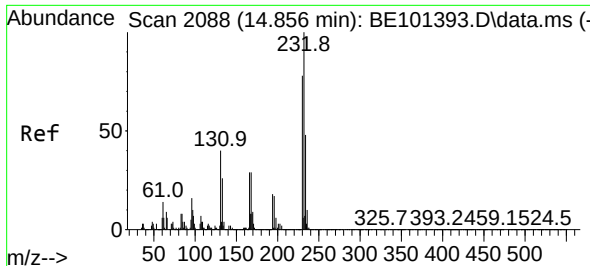
Reviewed By :Jagrut Upadhyay 11/05/2024
Supervised By :mohammad ahmed 11/06/2024



#58
Fluorene
Concen: 8.305 ng
RT: 15.220 min Scan# 2150
Delta R.T. -0.006 min
Lab File: BE101419.D
Acq: 30 Oct 2024 11:47

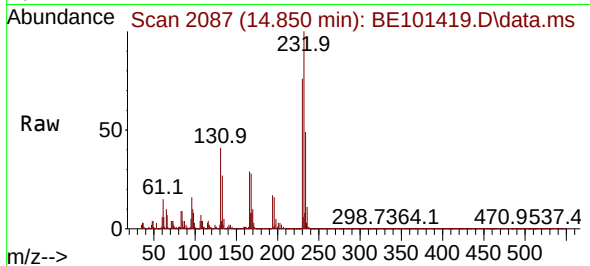
Tgt Ion:166 Resp: 359613
Ion Ratio Lower Upper
166 100
165 98.7 78.7 118.1
167 13.3 11.0 16.4





#59
2,3,4,6-Tetrachlorophenol
Concen: 8.137 ng
RT: 14.850 min Scan# 2088
Delta R.T. -0.006 min
Lab File: BE101419.D
Acq: 30 Oct 2024 11:47

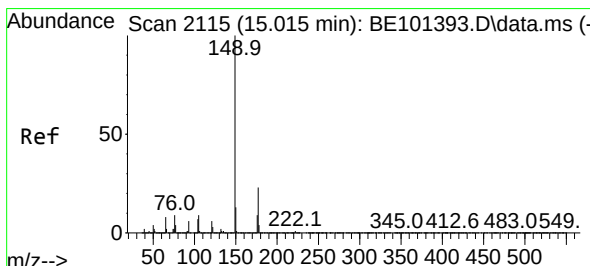
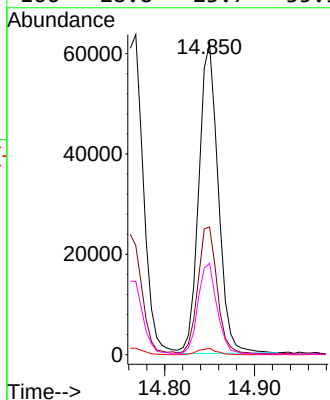
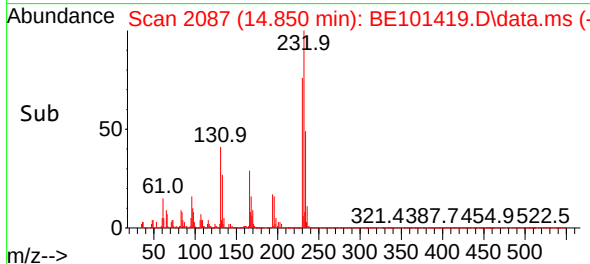
Instrument :
BNA_E
ClientSampleId :
MDL-SOIL-03-QT4-2024



Tgt Ion:232 Resp: 92574
Ion Ratio Lower Upper
232 100
131 41.0 33.5 50.3
130 2.0 1.6 2.4
166 28.8 23.7 35.5

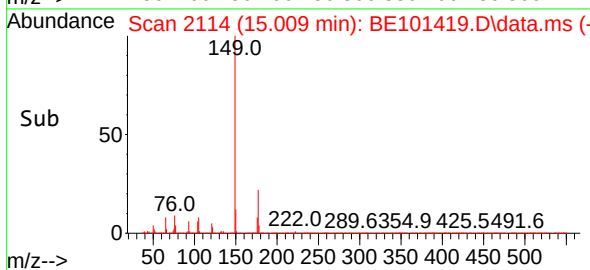
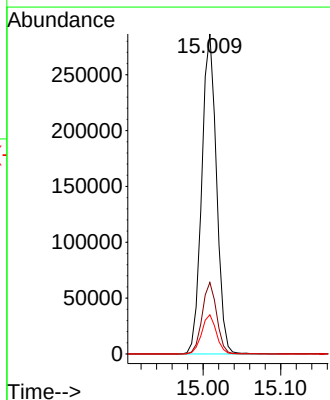
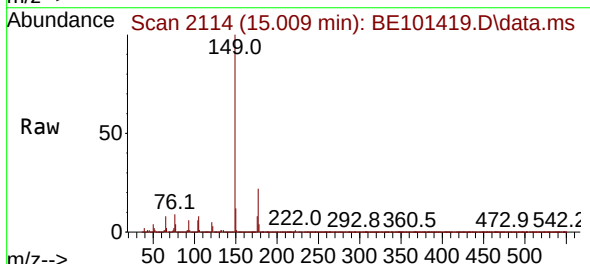
Manual Integrations
APPROVED

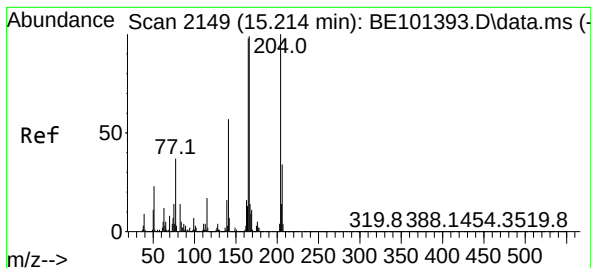
Reviewed By :Jagrut Upadhyay 11/05/2024
Supervised By :mohammad ahmed 11/06/2024



#60
Diethylphthalate
Concen: 8.227 ng
RT: 15.009 min Scan# 2114
Delta R.T. -0.006 min
Lab File: BE101419.D
Acq: 30 Oct 2024 11:47

Tgt Ion:149 Resp: 377401
Ion Ratio Lower Upper
149 100
177 22.4 18.0 27.0
150 12.3 10.3 15.5





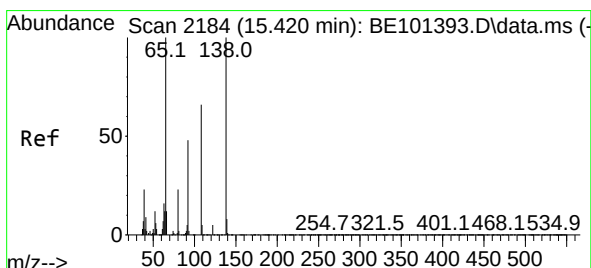
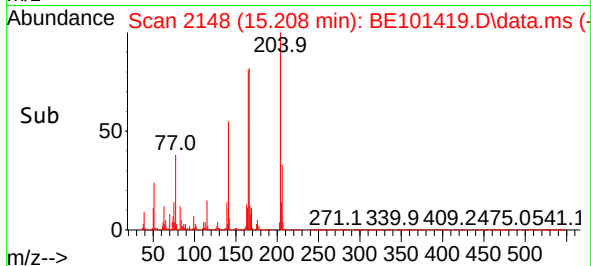
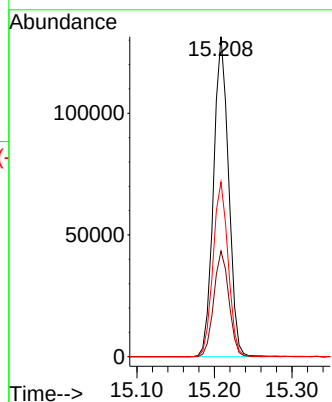
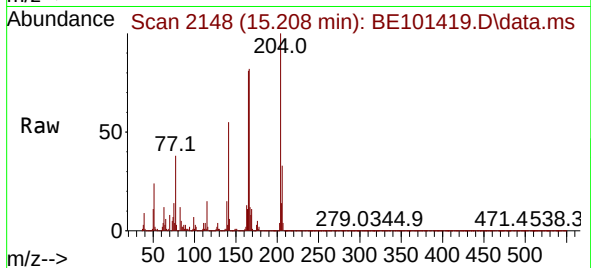
#61
4-Chlorophenyl-phenylether
Concen: 8.259 ng
RT: 15.208 min Scan# 2148
Delta R.T. -0.006 min
Lab File: BE101419.D
Acq: 30 Oct 2024 11:47

Instrument : BNA_E
ClientSampleId : MDL-SOIL-03-QT4-2024

Tgt Ion:204 Resp: 17745
Ion Ratio Lower Upper
204 100
206 33.0 26.9 40.3
141 54.6 45.9 68.9

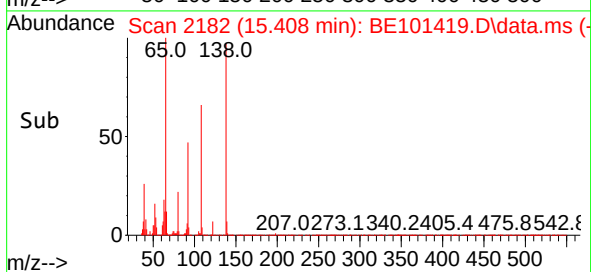
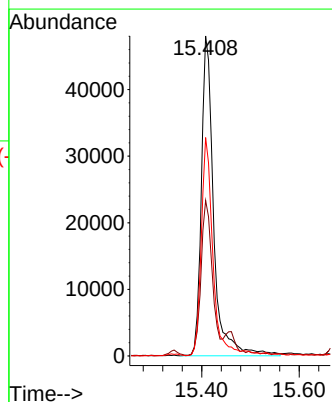
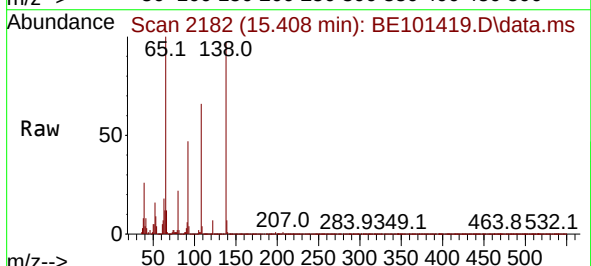
Manual Integrations
APPROVED

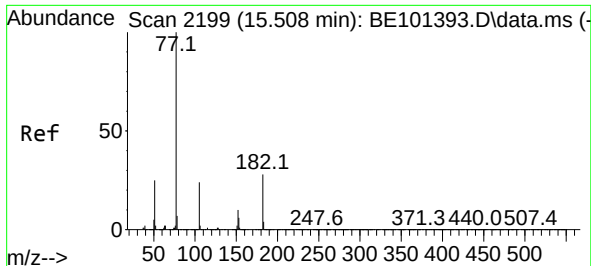
Reviewed By :Jagrut Upadhyay 11/05/2024
Supervised By :mohammad ahmed 11/06/2024



#62
4-Nitroaniline
Concen: 7.555 ng
RT: 15.408 min Scan# 2182
Delta R.T. -0.012 min
Lab File: BE101419.D
Acq: 30 Oct 2024 11:47

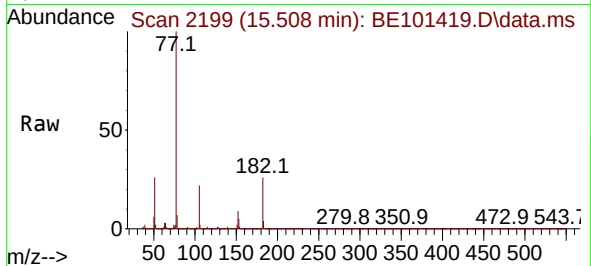
Tgt Ion:138 Resp: 84646
Ion Ratio Lower Upper
138 100
92 48.6 28.7 68.7
108 68.3 46.5 86.5





#63
Azobenzene
Concen: 8.419 ng
RT: 15.508 min Scan# 2199
Delta R.T. -0.000 min
Lab File: BE101419.D
Acq: 30 Oct 2024 11:47

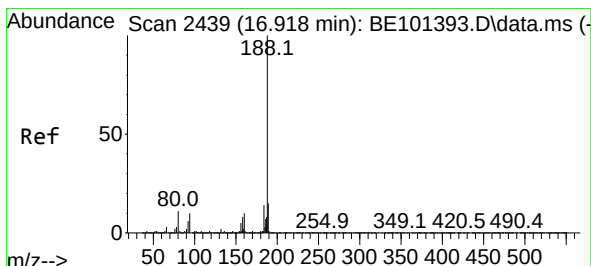
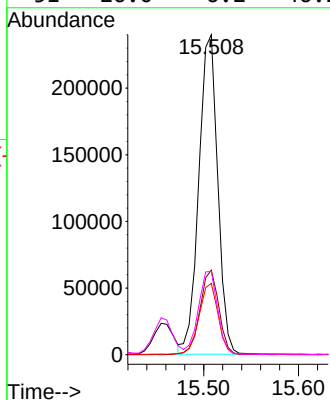
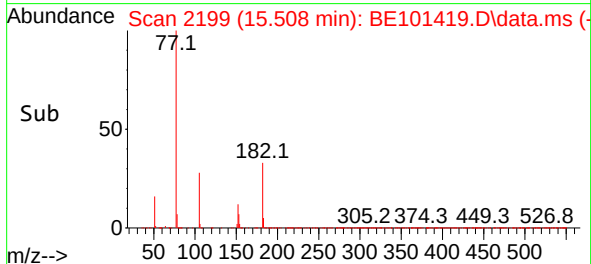
Instrument :
BNA_E
ClientSampleId :
MDL-SOIL-03-QT4-2024



Tgt Ion:	77	Resp:	33194
Ion Ratio	100	Lower	Upper
77	100		
182	26.5	7.6	47.6
105	22.3	3.2	43.2
51	26.0	6.2	46.2

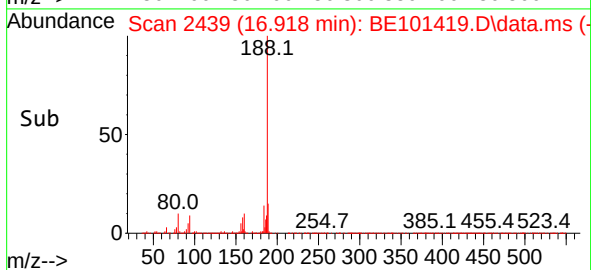
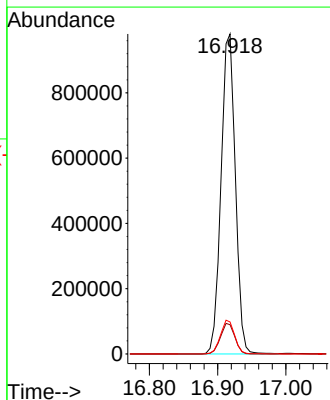
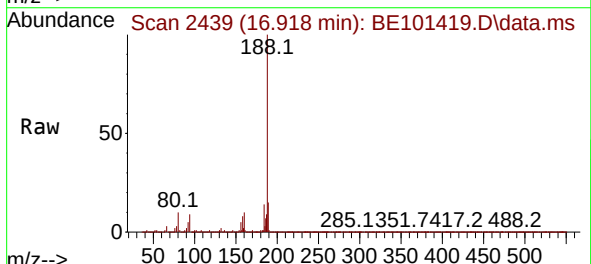
Manual Integrations
APPROVED

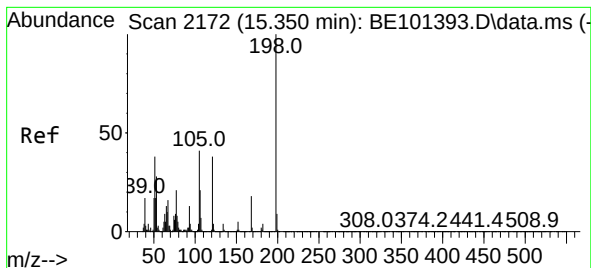
Reviewed By :Jagrut Upadhyay 11/05/2024
Supervised By :mohammad ahmed 11/06/2024



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.918 min Scan# 2439
Delta R.T. -0.000 min
Lab File: BE101419.D
Acq: 30 Oct 2024 11:47

Tgt Ion:	188	Resp:	1430016
Ion Ratio	100	Lower	Upper
188	100		
94	9.2	7.8	11.8
80	10.0	8.6	12.8





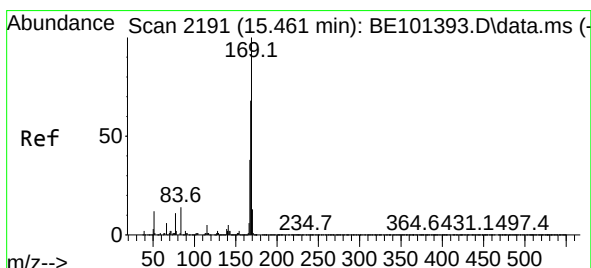
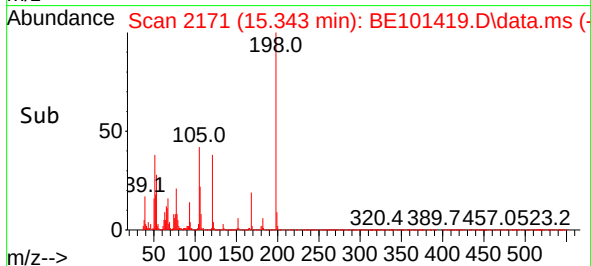
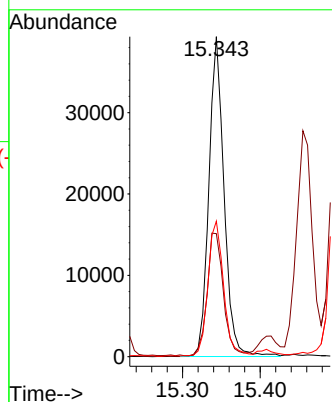
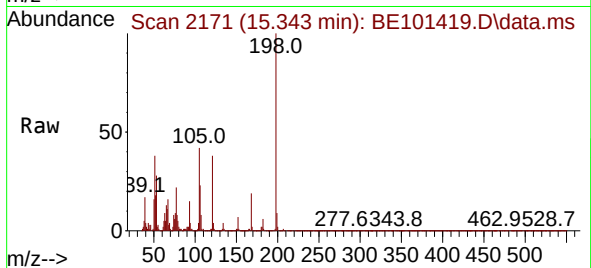
#65
4,6-Dinitro-2-methylphenol
Concen: 6.363 ng
RT: 15.343 min Scan# 2172
Delta R.T. -0.007 min
Lab File: BE101419.D
Acq: 30 Oct 2024 11:47

Instrument : BNA_E
ClientSampleId : MDL-SOIL-03-QT4-2024

Tgt Ion:198 Resp: 5346
Ion Ratio Lower Upper
198 100
51 38.4 18.2 58.2
105 42.3 21.5 61.5

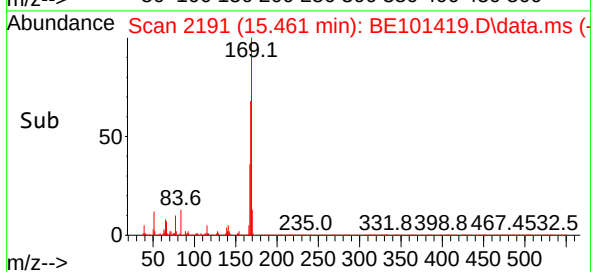
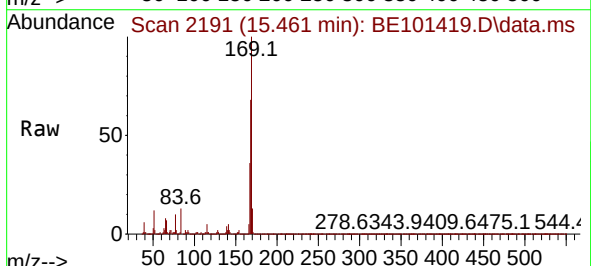
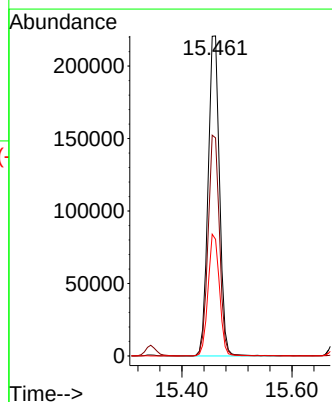
Manual Integrations
APPROVED

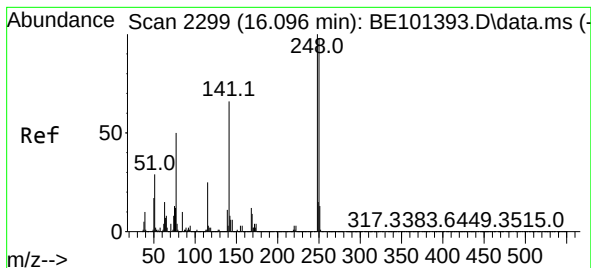
Reviewed By :Jagrut Upadhyay 11/05/2024
Supervised By :mohammad ahmed 11/06/2024



#66
n-Nitrosodiphenylamine
Concen: 8.350 ng
RT: 15.461 min Scan# 2191
Delta R.T. -0.000 min
Lab File: BE101419.D
Acq: 30 Oct 2024 11:47

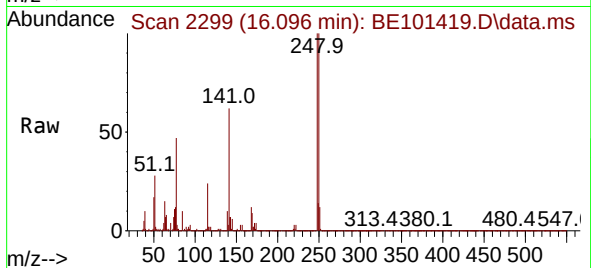
Tgt Ion:169 Resp: 316659
Ion Ratio Lower Upper
169 100
168 68.1 54.5 81.7
167 36.5 30.4 45.6





#67
4-Bromophenyl-phenylether
Concen: 8.165 ng
RT: 16.096 min Scan# 2299
Delta R.T. -0.000 min
Lab File: BE101419.D
Acq: 30 Oct 2024 11:47

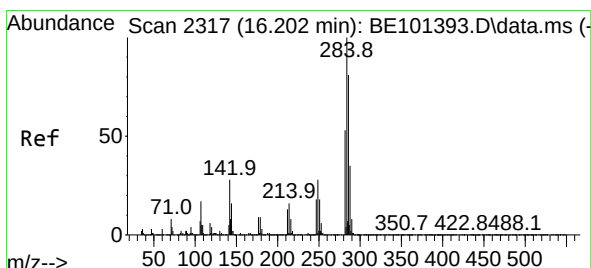
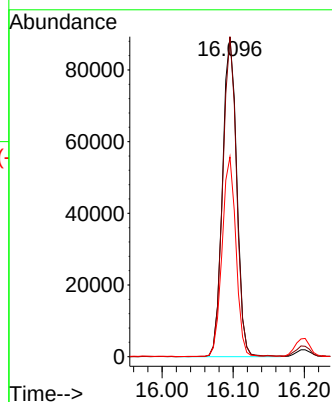
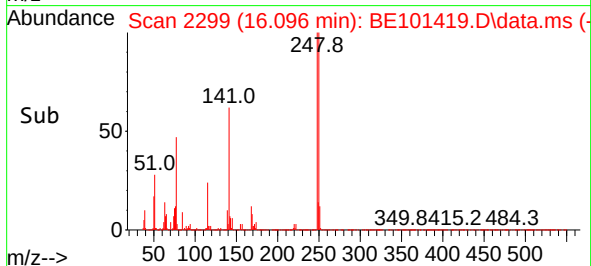
Instrument :
BNA_E
ClientSampleId :
MDL-SOIL-03-QT4-2024



Tgt Ion:248 Resp: 122818
Ion Ratio Lower Upper
248 100
250 100.1 78.2 117.2
141 62.4 53.0 79.4

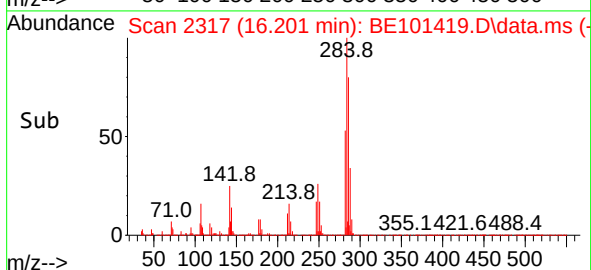
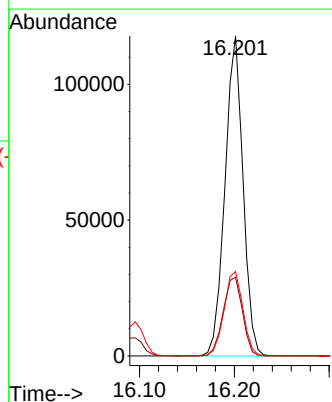
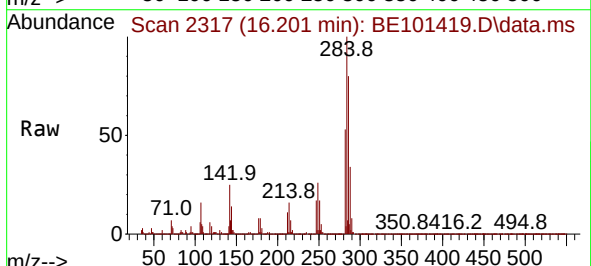
Manual Integrations
APPROVED

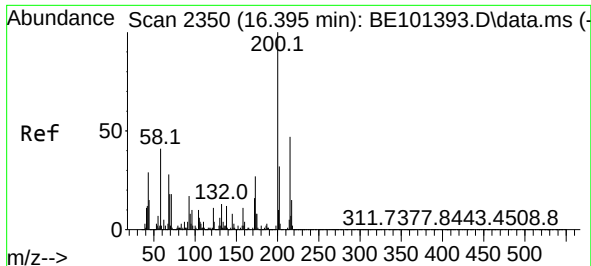
Reviewed By :Jagrut Upadhyay 11/05/2024
Supervised By :mohammad ahmed 11/06/2024



#68
Hexachlorobenzene
Concen: 7.908 ng
RT: 16.201 min Scan# 2317
Delta R.T. -0.001 min
Lab File: BE101419.D
Acq: 30 Oct 2024 11:47

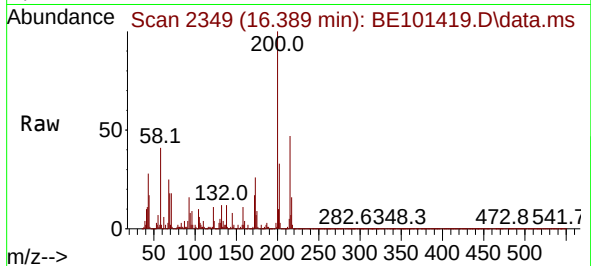
Tgt Ion:284 Resp: 155930
Ion Ratio Lower Upper
284 100
142 24.6 22.2 33.2
249 26.4 22.8 34.2





#69
Atrazine
Concen: 10.139 ng
RT: 16.389 min Scan# 21
Delta R.T. -0.006 min
Lab File: BE101419.D
Acq: 30 Oct 2024 11:47

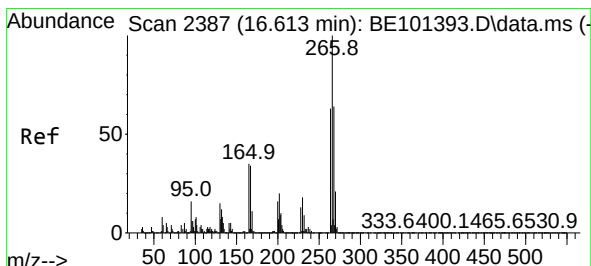
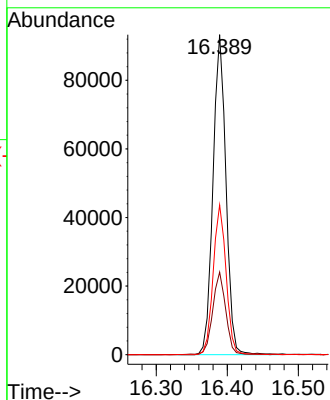
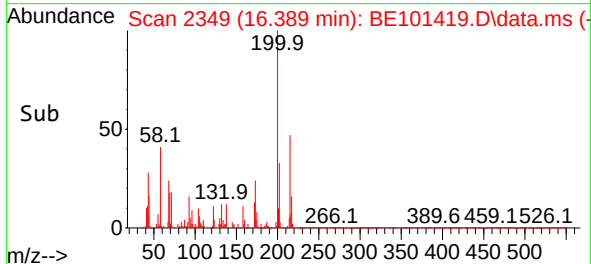
Instrument :
BNA_E
ClientSampleId :
MDL-SOIL-03-QT4-2024



Tgt Ion:200 Resp: 117872
Ion Ratio Lower Upper
200 100
173 25.8 7.0 47.0
215 46.8 27.3 67.3

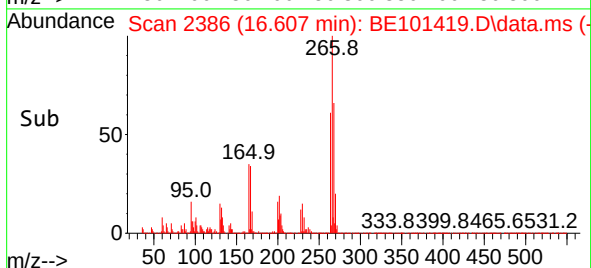
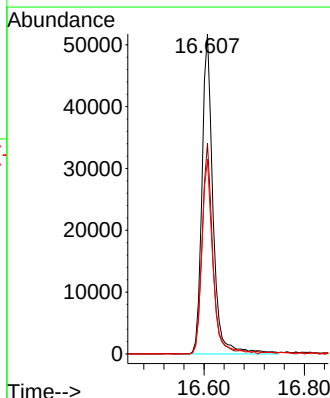
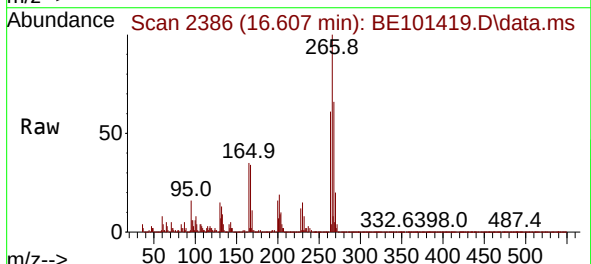
Manual Integrations
APPROVED

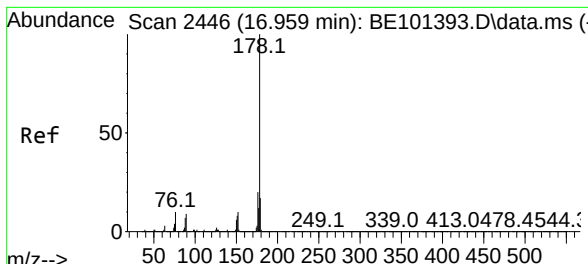
Reviewed By :Jagrut Upadhyay 11/05/2024
Supervised By :mohammad ahmed 11/06/2024



#70
Pentachlorophenol
Concen: 6.945 ng
RT: 16.607 min Scan# 2386
Delta R.T. -0.006 min
Lab File: BE101419.D
Acq: 30 Oct 2024 11:47

Tgt Ion:266 Resp: 78824
Ion Ratio Lower Upper
266 100
268 65.9 51.5 77.3
264 60.8 50.7 76.1





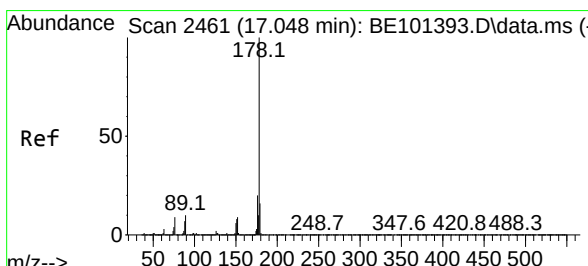
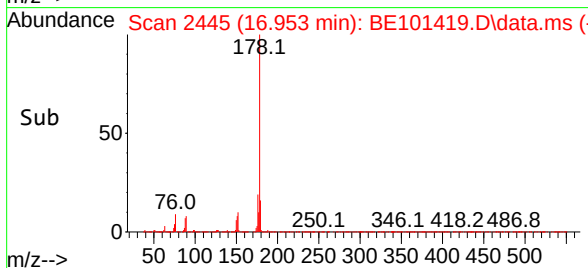
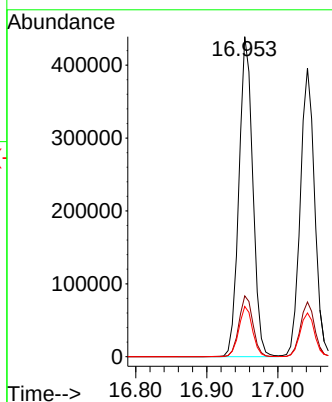
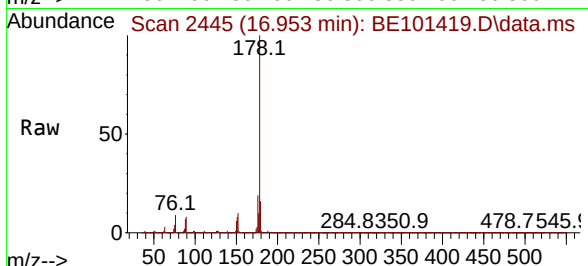
#71
Phenanthrene
Concen: 8.692 ng
RT: 16.953 min Scan# 2445
Delta R.T. -0.006 min
Lab File: BE101419.D
Acq: 30 Oct 2024 11:47

Instrument : BNA_E
ClientSampleId : MDL-SOIL-03-QT4-2024

Tgt Ion:178	Resp: 59512
Ion Ratio	Lower Upper
178	100
176	19.0 16.4 24.6
179	15.7 13.2 19.8

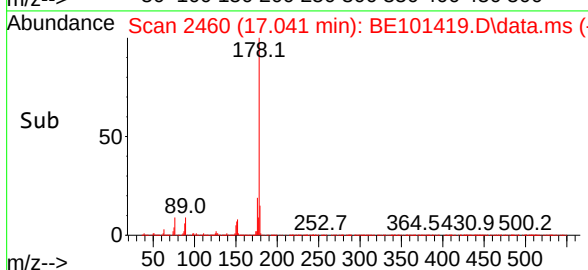
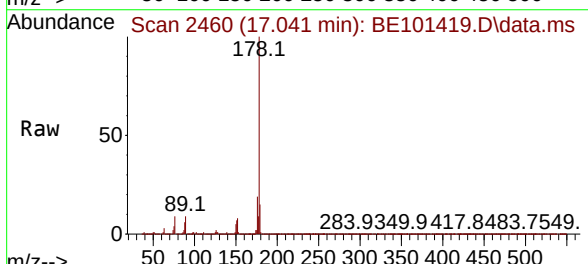
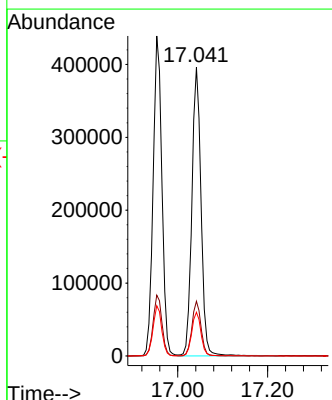
Manual Integrations
APPROVED

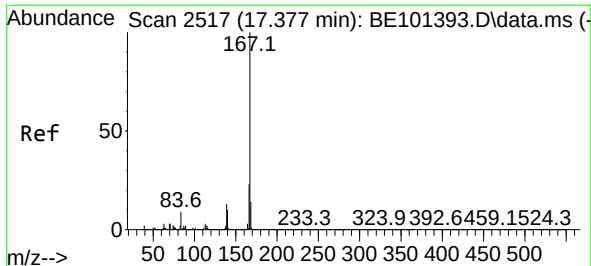
Reviewed By :Jagrut Upadhyay 11/05/2024
Supervised By :mohammad ahmed 11/06/2024



#72
Anthracene
Concen: 8.359 ng
RT: 17.041 min Scan# 2460
Delta R.T. -0.006 min
Lab File: BE101419.D
Acq: 30 Oct 2024 11:47

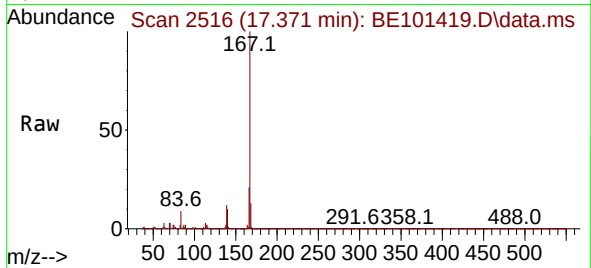
Tgt Ion:178	Resp: 558821
Ion Ratio	Lower Upper
178	100
176	18.9 15.9 23.9
179	15.2 13.1 19.7





#73
 Carbazole
 Concen: 8.418 ng
 RT: 17.371 min Scan# 2516
 Delta R.T. -0.006 min
 Lab File: BE101419.D
 Acq: 30 Oct 2024 11:47

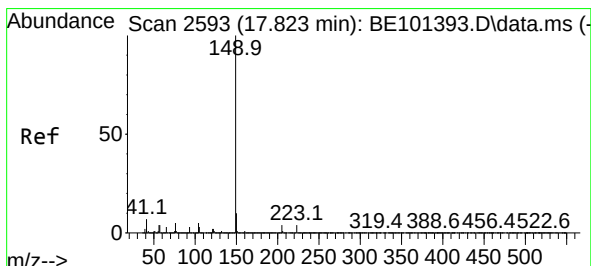
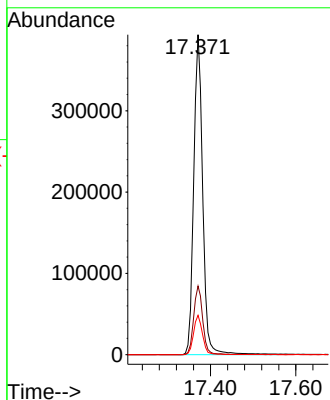
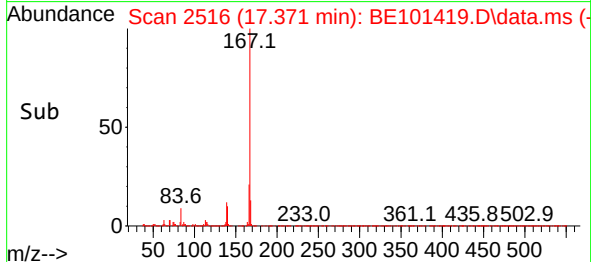
Instrument :
 BNA_E
 ClientSampleId :
 MDL-SOIL-03-QT4-2024



Tgt Ion:167 Resp: 57584
 Ion Ratio Lower Upper
 167 100
 166 21.5 18.3 27.5
 139 12.3 10.8 16.2

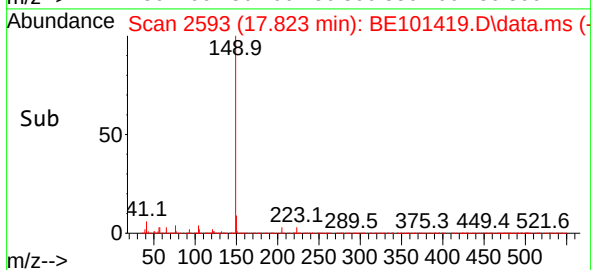
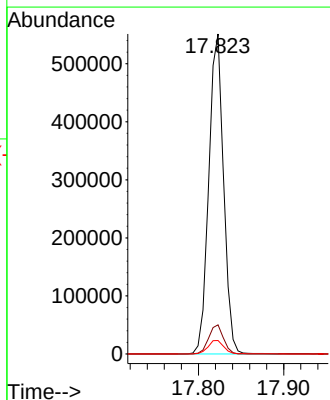
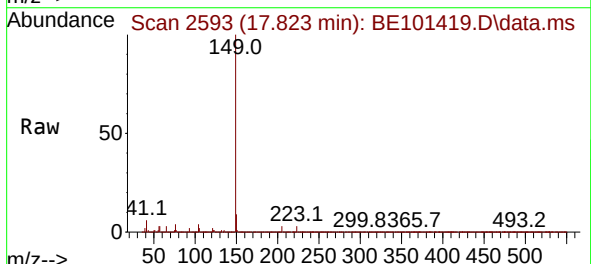
Manual Integrations
 APPROVED

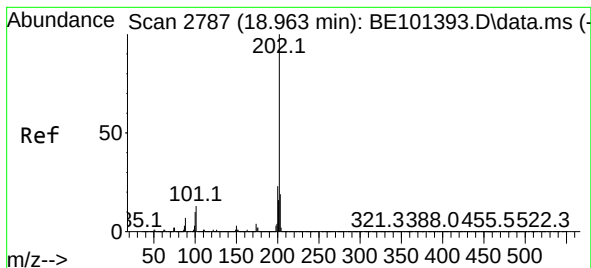
Reviewed By :Jagrut Upadhyay 11/05/2024
 Supervised By :mohammad ahmed 11/06/2024



#74
 Di-n-butylphthalate
 Concen: 8.809 ng
 RT: 17.823 min Scan# 2593
 Delta R.T. -0.000 min
 Lab File: BE101419.D
 Acq: 30 Oct 2024 11:47

Tgt Ion:149 Resp: 663368
 Ion Ratio Lower Upper
 149 100
 150 9.1 8.2 12.4
 104 4.2 3.9 5.9





#75

Fluoranthene

Concen: 8.634 ng

RT: 18.957 min Scan# 21

Delta R.T. -0.006 min

Lab File: BE101419.D

Acq: 30 Oct 2024 11:47

Instrument :

BNA_E

ClientSampleId :

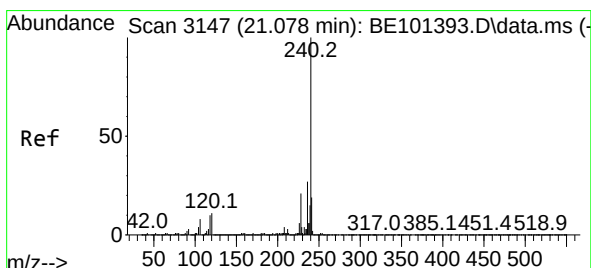
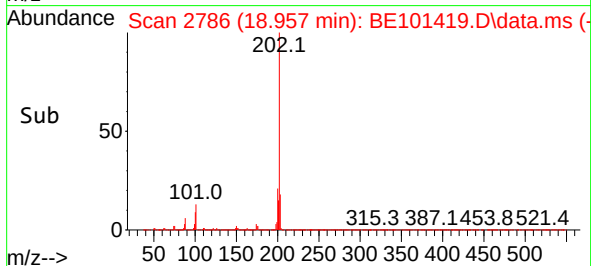
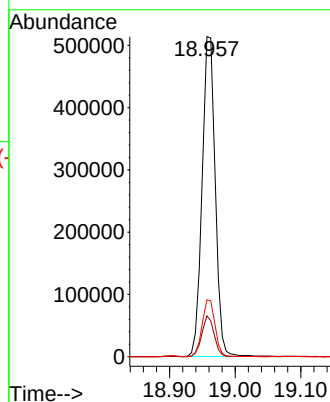
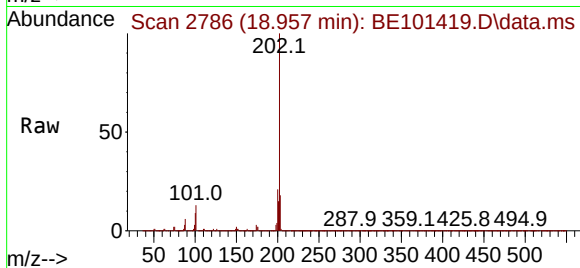
MDL-SOIL-03-QT4-2024

Tgt Ion:	202	Resp:	71800
Ion Ratio	Lower	Upper	
202	100		
101	12.8	0.0	33.3
203	17.8	0.0	39.3

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 11/05/2024
Supervised By :mohammad ahmed 11/06/2024



#76

Chrysene-d12

Concen: 20.000 ng

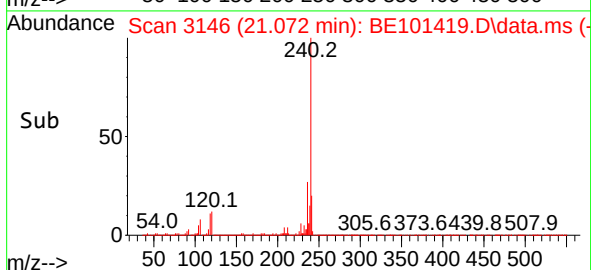
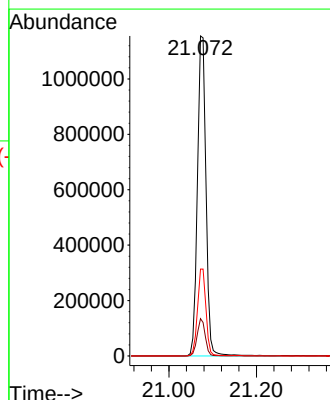
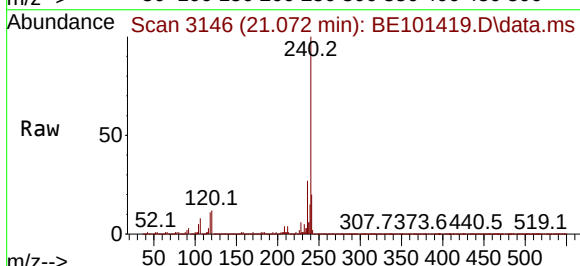
RT: 21.072 min Scan# 3146

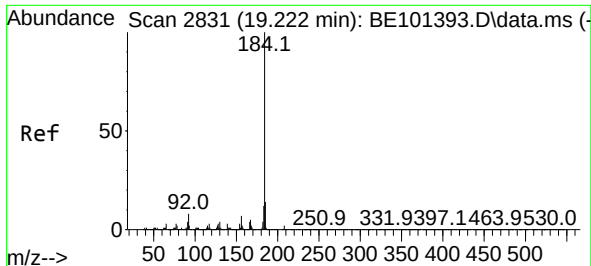
Delta R.T. -0.006 min

Lab File: BE101419.D

Acq: 30 Oct 2024 11:47

Tgt Ion:	240	Resp:	1575417
Ion Ratio	Lower	Upper	
240	100		
120	11.6	9.0	13.4
236	27.2	21.4	32.0





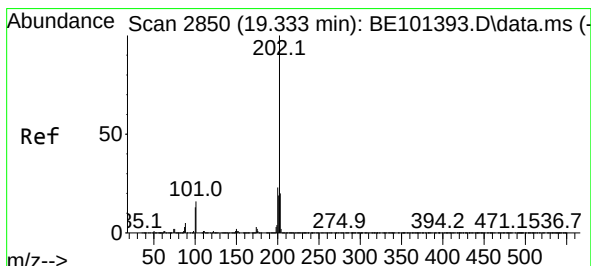
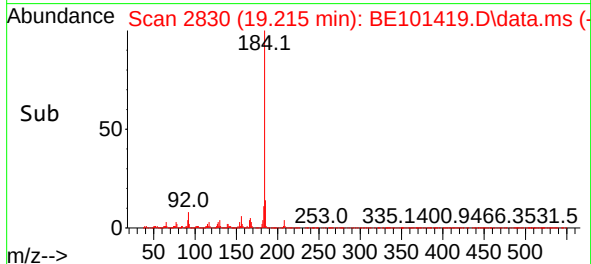
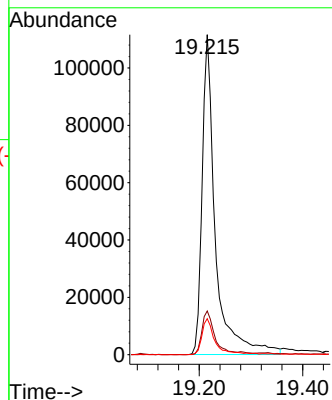
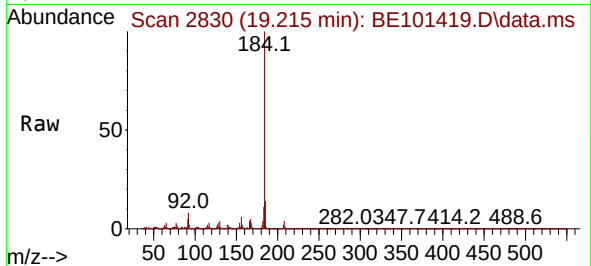
#77
Benzidine
Concen: 9.933 ng
RT: 19.215 min Scan# 2830
Delta R.T. -0.006 min
Lab File: BE101419.D
Acq: 30 Oct 2024 11:47

Instrument : BNA_E
ClientSampleId : MDL-SOIL-03-QT4-2024

Tgt Ion:184 Resp: 198598
Ion Ratio Lower Upper
184 100
185 13.6 11.5 17.3
183 11.3 9.3 13.9

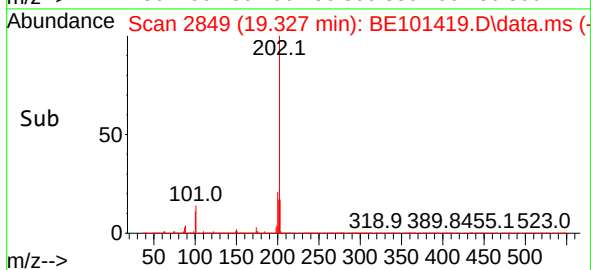
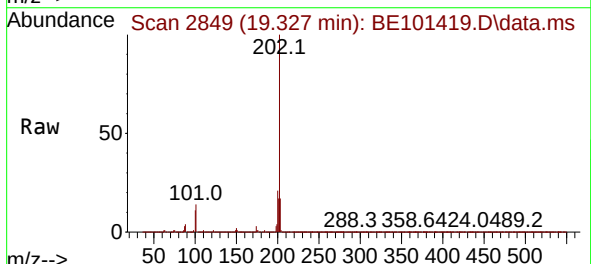
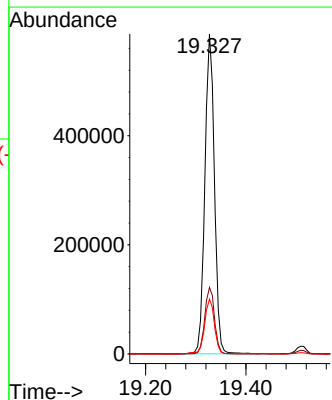
Manual Integrations
APPROVED

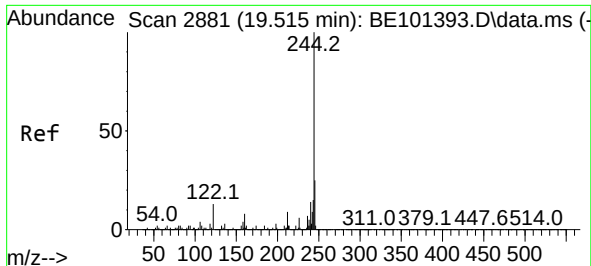
Reviewed By :Jagrut Upadhyay 11/05/2024
Supervised By :mohammad ahmed 11/06/2024



#78
Pyrene
Concen: 8.971 ng
RT: 19.327 min Scan# 2849
Delta R.T. -0.006 min
Lab File: BE101419.D
Acq: 30 Oct 2024 11:47

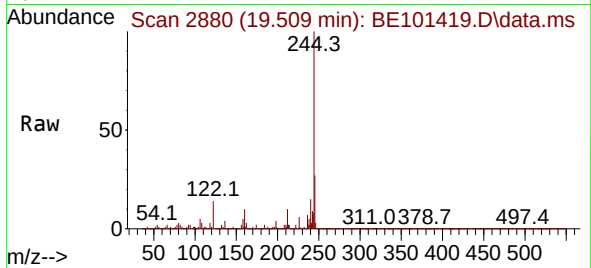
Tgt Ion:202 Resp: 777187
Ion Ratio Lower Upper
202 100
200 20.8 18.6 28.0
203 17.1 15.6 23.4





#79
Terphenyl-d14
Concen: 69.148 ng
RT: 19.509 min Scan# 2881
Delta R.T. -0.006 min
Lab File: BE101419.D
Acq: 30 Oct 2024 11:47

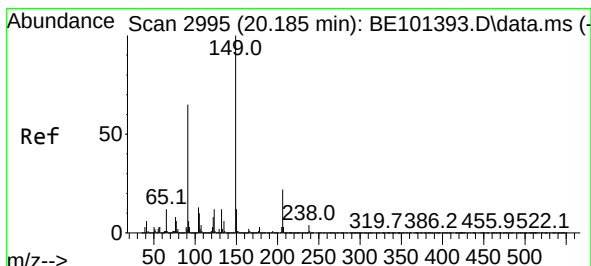
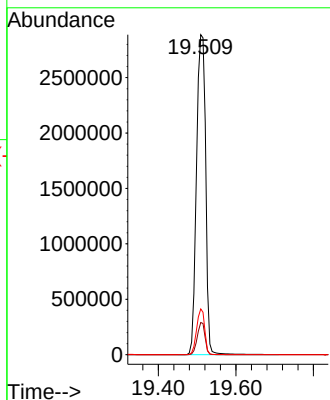
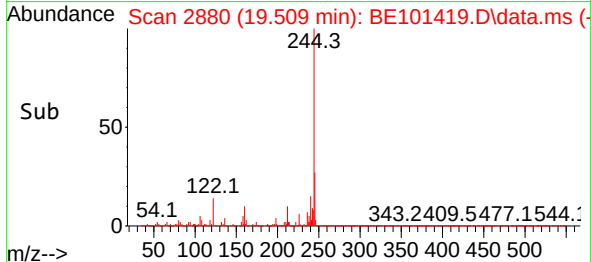
Instrument : BNA_E
ClientSampleId : MDL-SOIL-03-QT4-2024



Tgt Ion:244 Resp: 4733219
Ion Ratio Lower Upper
244 100
212 10.0 7.2 10.8
122 14.3 10.4 15.6

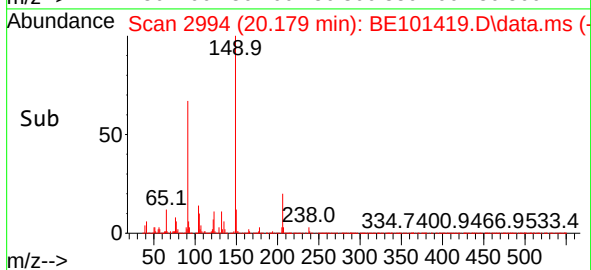
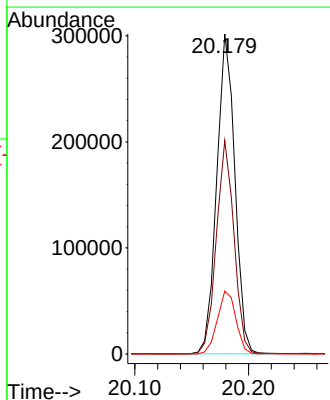
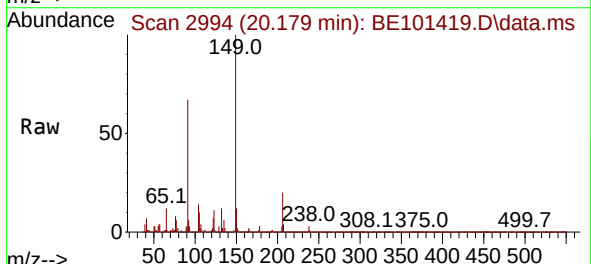
Manual Integrations
APPROVED

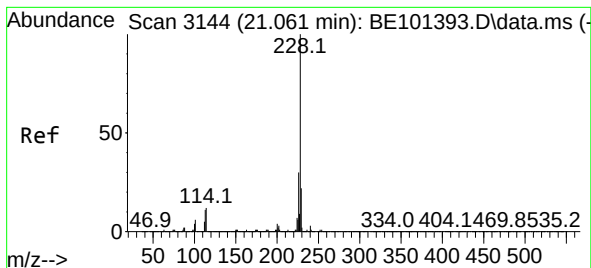
Reviewed By :Jagrut Upadhyay 11/05/2024
Supervised By :mohammad ahmed 11/06/2024



#80
Butylbenzylphthalate
Concen: 8.799 ng
RT: 20.179 min Scan# 2994
Delta R.T. -0.006 min
Lab File: BE101419.D
Acq: 30 Oct 2024 11:47

Tgt Ion:149 Resp: 334178
Ion Ratio Lower Upper
149 100
91 66.7 51.8 77.8
206 19.7 17.4 26.2





#81

Benzo(a)anthracene

Concen: 9.366 ng

RT: 21.054 min Scan# 3143

Delta R.T. -0.006 min

Lab File: BE101419.D

Acq: 30 Oct 2024 11:47

Instrument :

BNA_E

ClientSampleId :

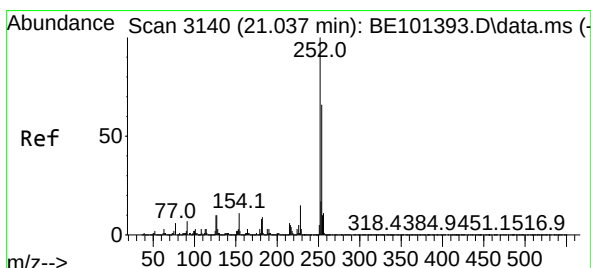
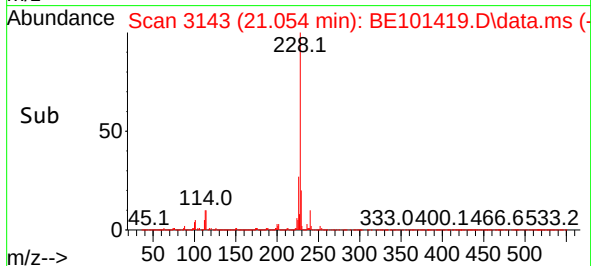
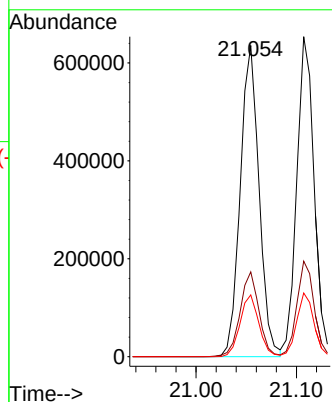
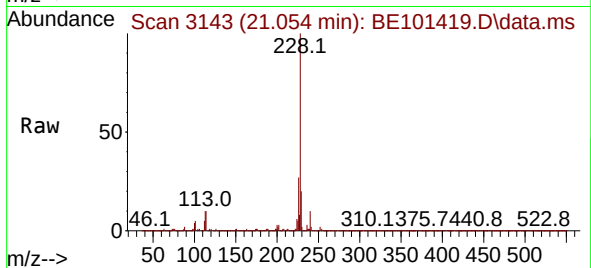
MDL-SOIL-03-QT4-2024

Tgt Ion:	228	Resp:	82938
Ion Ratio	Lower	Upper	
228	100		
226	27.2	24.1	36.1
229	19.8	17.3	25.9

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 11/05/2024
Supervised By :mohammad ahmed 11/06/2024



#82

3,3'-Dichlorobenzidine

Concen: 8.606 ng

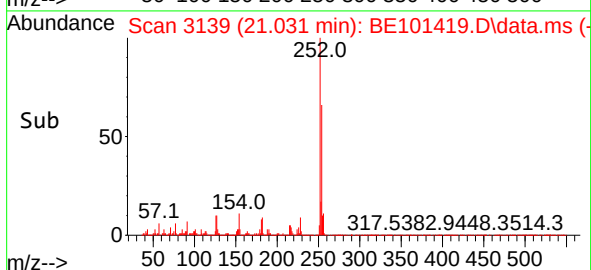
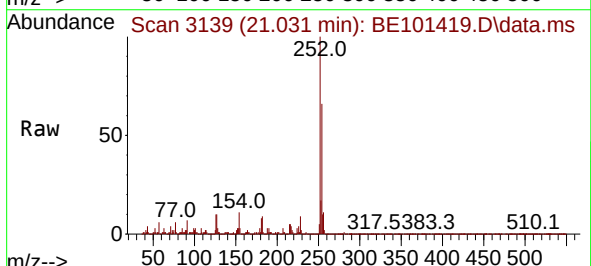
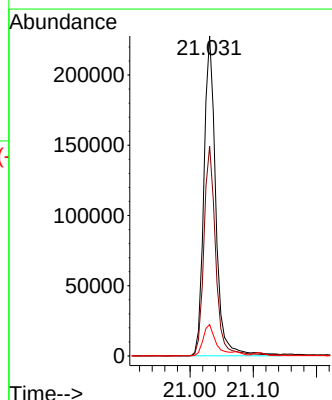
RT: 21.031 min Scan# 3139

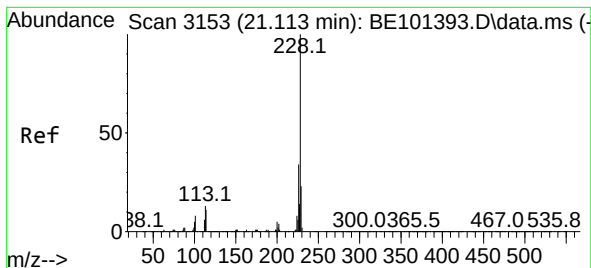
Delta R.T. -0.006 min

Lab File: BE101419.D

Acq: 30 Oct 2024 11:47

Tgt Ion:	252	Resp:	298510
Ion Ratio	Lower	Upper	
252	100		
254	65.6	52.6	78.8
126	9.8	7.7	11.5





#83

Chrysene

Concen: 9.356 ng

RT: 21.107 min Scan# 3152

Delta R.T. -0.006 min

Lab File: BE101419.D

Acq: 30 Oct 2024 11:47

Instrument :

BNA_E

ClientSampleId :

MDL-SOIL-03-QT4-2024

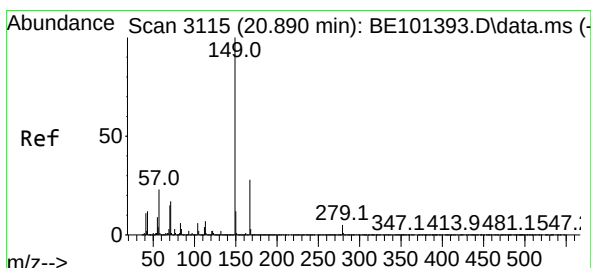
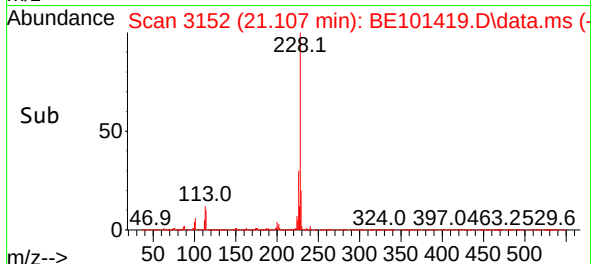
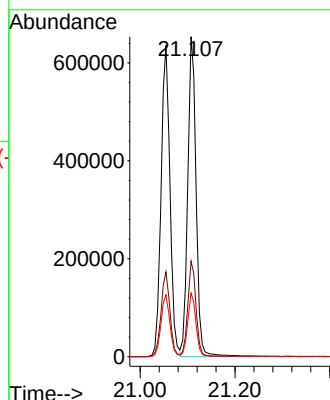
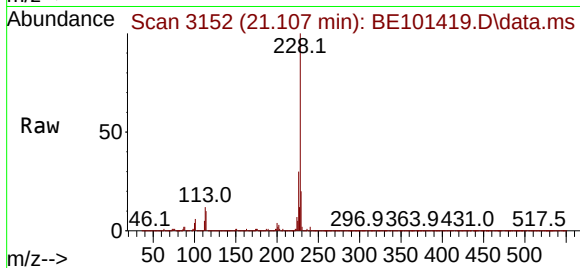
Tgt Ion:228 Resp: 801049

Ion	Ratio	Lower	Upper
228	100		
226	29.8	27.2	40.8
229	19.9	18.0	27.0

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 11/05/2024
Supervised By :mohammad ahmed 11/06/2024



#84

Bis(2-ethylhexyl)phthalate

Concen: 8.871 ng

RT: 20.884 min Scan# 3114

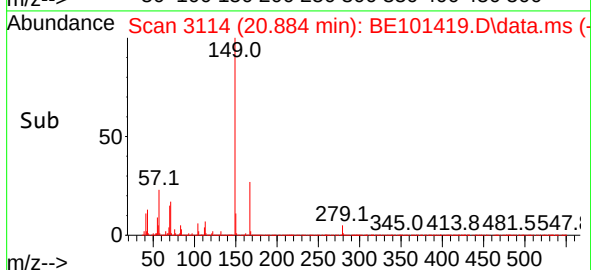
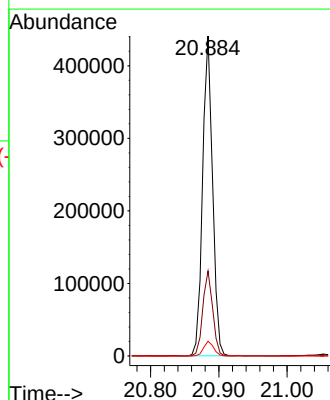
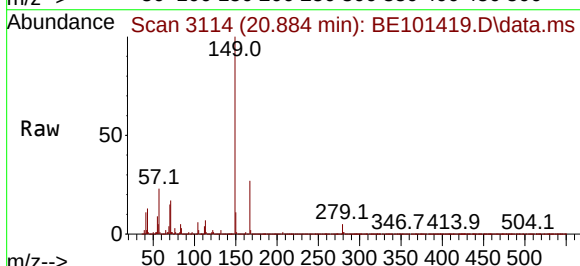
Delta R.T. -0.006 min

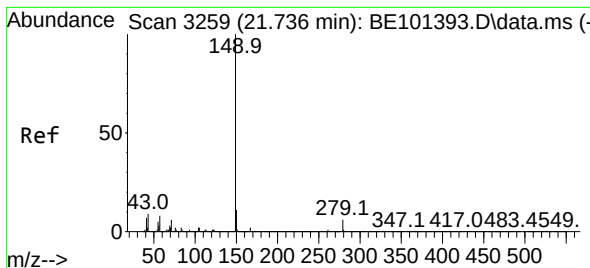
Lab File: BE101419.D

Acq: 30 Oct 2024 11:47

Tgt Ion:149 Resp: 447585

Ion	Ratio	Lower	Upper
149	100		
167	26.6	22.7	34.1
279	4.6	4.3	6.5





#85

Di-n-octyl phthalate

Concen: 9.306 ng

RT: 21.730 min Scan# 31

Delta R.T. -0.006 min

Lab File: BE101419.D

Acq: 30 Oct 2024 11:47

Instrument :

BNA_E

ClientSampleId :

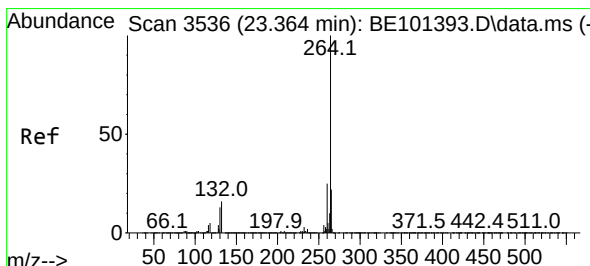
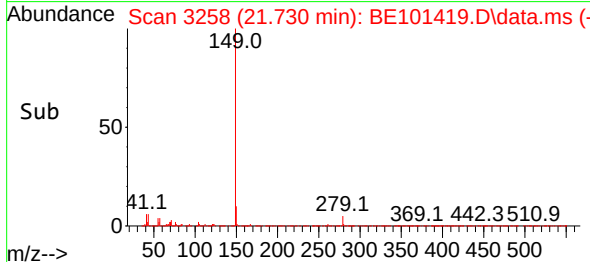
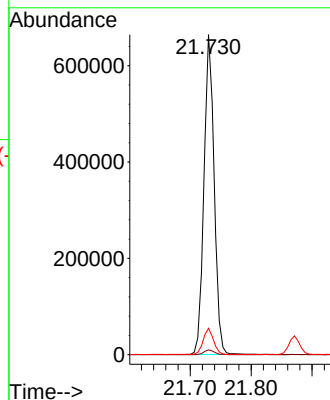
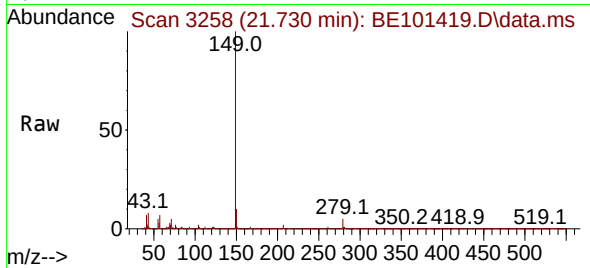
MDL-SOIL-03-QT4-2024

Tgt Ion:	149	Resp:	77065
Ion Ratio	Lower	Upper	
149	100		
167	1.5	1.4	2.0
43	8.2	7.0	10.4

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 11/05/2024
Supervised By :mohammad ahmed 11/06/2024



#86

Perylene-d12

Concen: 20.000 ng

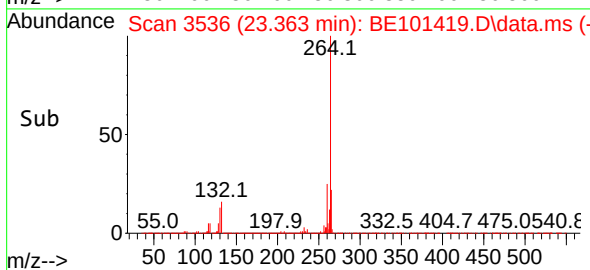
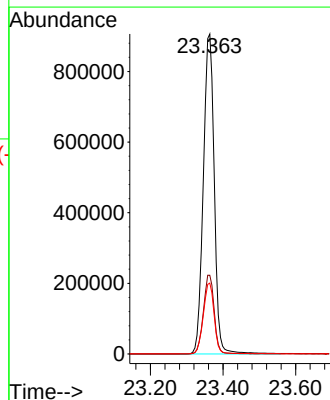
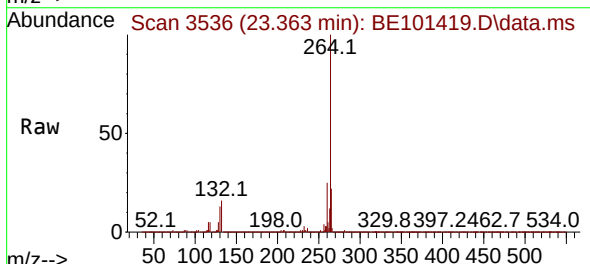
RT: 23.363 min Scan# 3536

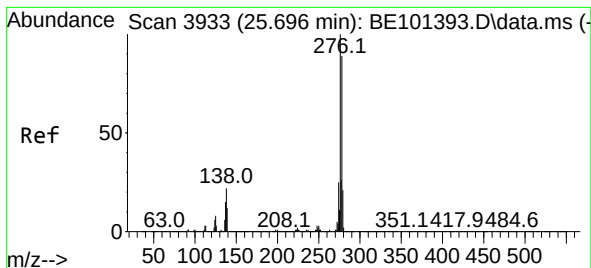
Delta R.T. -0.000 min

Lab File: BE101419.D

Acq: 30 Oct 2024 11:47

Tgt Ion:	264	Resp:	1898815
Ion Ratio	Lower	Upper	
264	100		
260	24.6	19.8	29.8
265	22.1	17.6	26.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 8.989 ng

RT: 25.667 min Scan# 3928

Delta R.T. -0.030 min

Lab File: BE101419.D

Acq: 30 Oct 2024 11:47

Instrument :

BNA_E

ClientSampleId :

MDL-SOIL-03-QT4-2024

Tgt Ion:276 Resp: 1142319

Ion Ratio Lower Upper

276 100

138 21.8 17.8 26.8

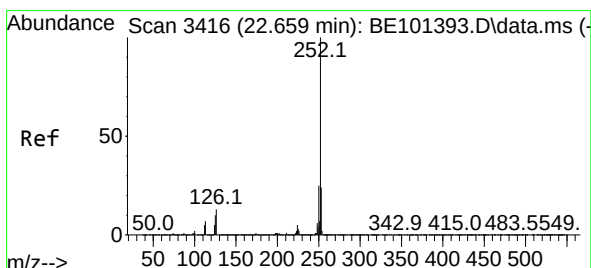
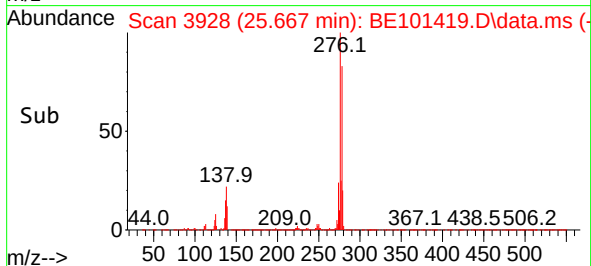
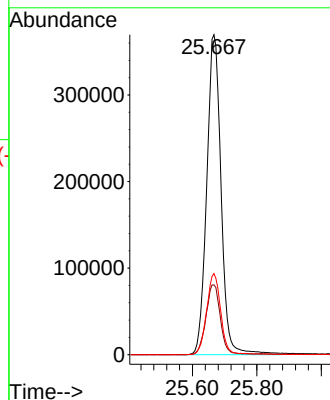
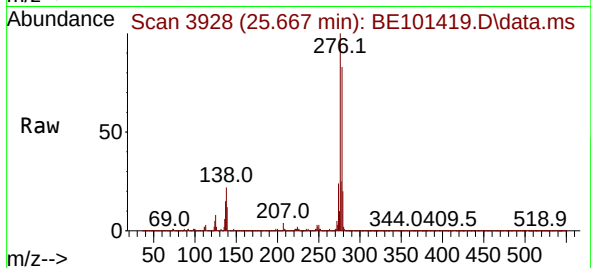
277 25.0 20.5 30.7

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 11/05/2024

Supervised By :mohammad ahmed 11/06/2024



#88

Benzo(b)fluoranthene

Concen: 8.869 ng

RT: 22.647 min Scan# 3414

Delta R.T. -0.012 min

Lab File: BE101419.D

Acq: 30 Oct 2024 11:47

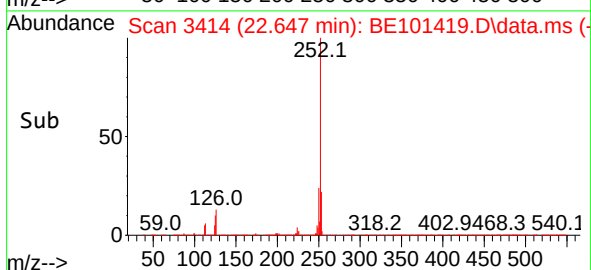
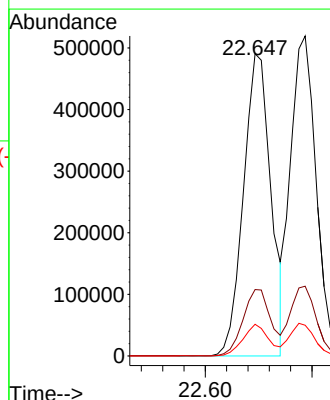
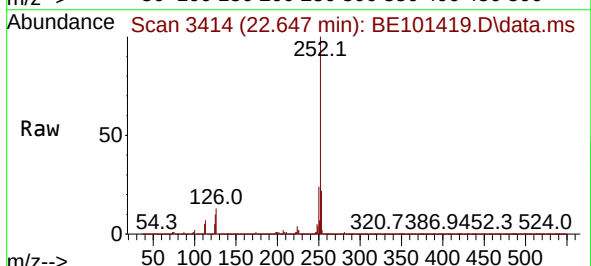
Tgt Ion:252 Resp: 877663

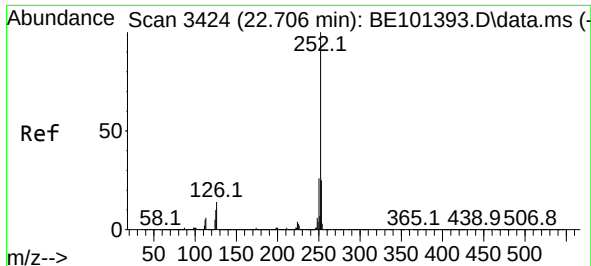
Ion Ratio Lower Upper

252 100

253 22.0 19.0 28.6

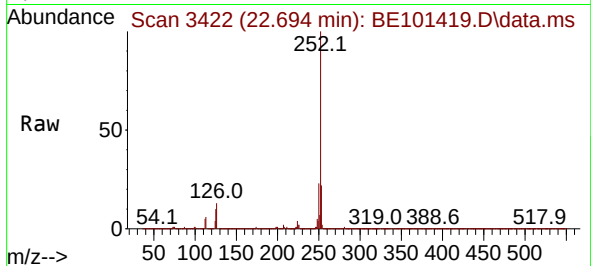
125 10.5 8.2 12.2





#89
Benzo(k)fluoranthene
Concen: 9.507 ng
RT: 22.694 min Scan# 3424
Delta R.T. -0.012 min
Lab File: BE101419.D
Acq: 30 Oct 2024 11:47

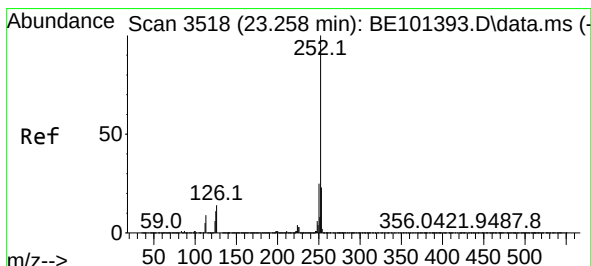
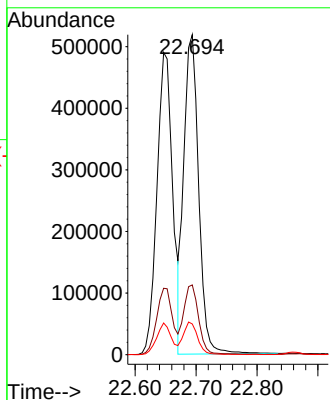
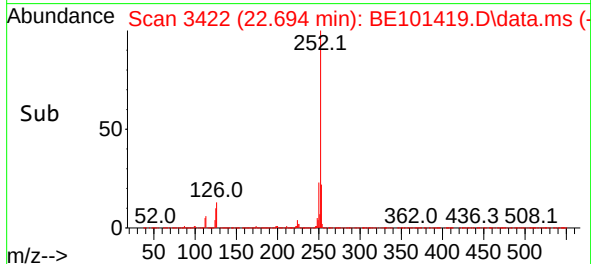
Instrument : BNA_E
ClientSampleId : MDL-SOIL-03-QT4-2024



Tgt Ion:252 Resp: 87894
Ion Ratio Lower Upper
252 100
253 21.8 19.4 29.2
125 9.6 8.2 12.2

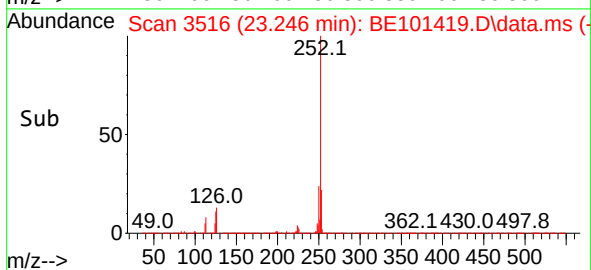
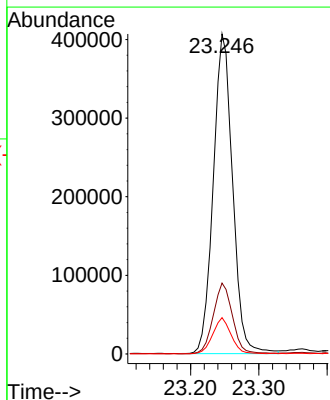
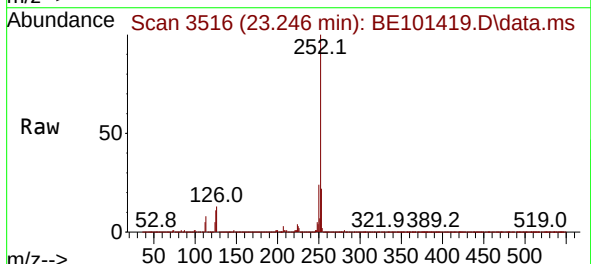
Manual Integrations
APPROVED

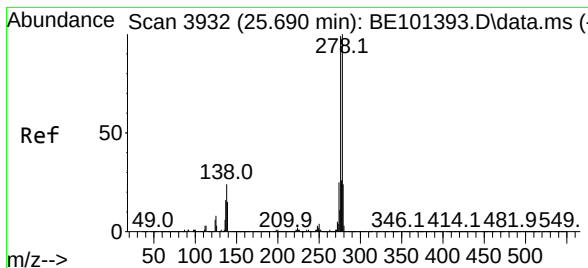
Reviewed By :Jagrut Upadhyay 11/05/2024
Supervised By :mohammad ahmed 11/06/2024



#90
Benzo(a)pyrene
Concen: 9.252 ng
RT: 23.246 min Scan# 3516
Delta R.T. -0.012 min
Lab File: BE101419.D
Acq: 30 Oct 2024 11:47

Tgt Ion:252 Resp: 800650
Ion Ratio Lower Upper
252 100
253 22.1 18.4 27.6
125 11.4 9.0 13.6





#91

Dibenzo(a,h)anthracene

Concen: 8.883 ng

RT: 25.661 min Scan# 3932

Delta R.T. -0.030 min

Lab File: BE101419.D

Acq: 30 Oct 2024 11:47

Instrument :

BNA_E

ClientSampleId :

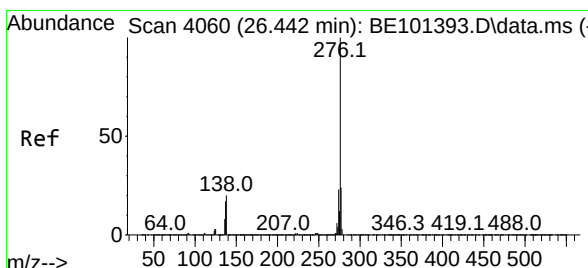
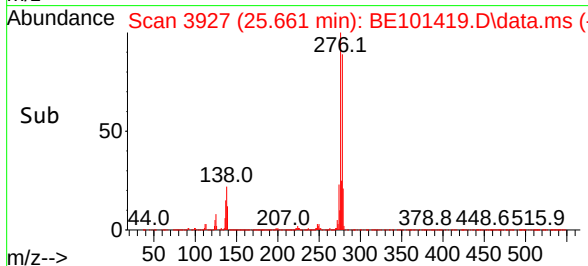
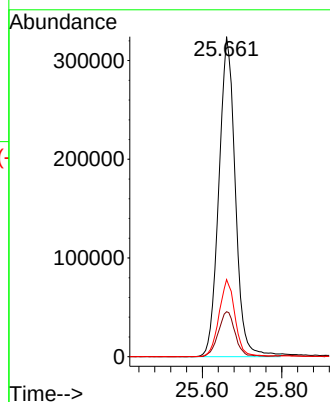
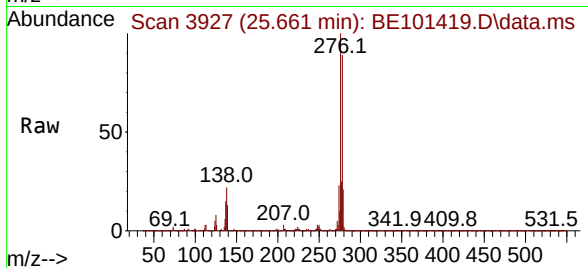
MDL-SOIL-03-QT4-2024

Tgt Ion:	278	Resp:	932730
Ion Ratio	Lower	Upper	
278	100		
139	14.1	11.9	17.9
279	24.1	19.3	28.9

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 11/05/2024
Supervised By :mohammad ahmed 11/06/2024



#92

Benzo(g,h,i)perylene

Concen: 8.076 ng

RT: 26.413 min Scan# 4055

Delta R.T. -0.030 min

Lab File: BE101419.D

Acq: 30 Oct 2024 11:47

Tgt Ion:	276	Resp:	873792
Ion Ratio	Lower	Upper	
276	100		
277	24.5	19.4	29.2
138	19.4	15.8	23.6

