

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092324\
 Data File : BP021979.D
 Acq On : 23 Sep 2024 12:30
 Operator : RC/JU
 Sample : P2403-03
 Misc : MDL-MDL-SOIL-8 PPM
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 MDL-SOIL-03-QT2-2024

Quant Time: Sep 23 13:12:11 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP091924.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Sep 20 01:22:00 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 09/25/2024
 Supervised By :mohammad ahmed 09/25/2024

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.716	152	108513	20.000	ng	0.00
21) Naphthalene-d8	10.475	136	425632	20.000	ng	0.00
39) Acenaphthene-d10	14.322	164	319143	20.000	ng	0.00
64) Phenanthrene-d10	17.116	188	788764	20.000	ng	-0.02
76) Chrysene-d12	21.533	240	953506	20.000	ng	-0.03
86) Perylene-d12	24.827	264	1095859	20.000	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.334	112	716288	124.050	ng	0.00
7) Phenol-d6	6.893	99	946838	126.313	ng	0.00
23) Nitrobenzene-d5	8.852	82	733517	91.189	ng	0.00
42) 2,4,6-Tribromophenol	15.834	330	802420	135.623	ng	-0.02
45) 2-Fluorobiphenyl	12.940	172	1925280	88.063	ng	0.00
79) Terphenyl-d14	19.833	244	4022125	79.239	ng	-0.02
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.258	88	19502	8.134	ng	99
3) Pyridine	3.664	79	45682	7.144	ng	98
4) n-Nitrosodimethylamine	3.564	42	26768	7.935	ng	# 92
6) Aniline	7.052	93	66185	10.048	ng	99
8) 2-Chlorophenol	7.281	128	53456	8.658	ng	93
9) Benzaldehyde	6.869	77	50044m	12.768	ng	
10) Phenol	6.916	94	61819	8.303	ng	91
11) bis(2-Chloroethyl)ether	7.140	93	49343	8.798	ng	98
12) 1,3-Dichlorobenzene	7.605	146	64495	8.274	ng	97
13) 1,4-Dichlorobenzene	7.746	146	65466	8.281	ng	95
14) 1,2-Dichlorobenzene	8.058	146	63264	8.338	ng	97
15) Benzyl Alcohol	7.946	79	50505	8.785	ng	96
16) 2,2'-oxybis(1-Chloropr...	8.222	45	56707	9.480	ng	99
17) 2-Methylphenol	8.152	107	41573	8.266	ng	97
18) Hexachloroethane	8.781	117	23856	8.207	ng	98
19) n-Nitroso-di-n-propyla...	8.505	70	42011	9.017	ng	97
20) 3+4-Methylphenols	8.469	107	56126	7.905	ng	94
22) Acetophenone	8.522	105	90949	8.759	ng	# 99
24) Nitrobenzene	8.893	77	69371	8.492	ng	99
25) Isophorone	9.416	82	110731	8.350	ng	98
26) 2-Nitrophenol	9.593	139	26744	7.488	ng	92
27) 2,4-Dimethylphenol	9.663	122	25850	6.250	ng	97
28) bis(2-Chloroethoxy)met...	9.887	93	64917	8.164	ng	97
29) 2,4-Dichlorophenol	10.128	162	53840	7.670	ng	99
30) 1,2,4-Trichlorobenzene	10.340	180	68597	7.845	ng	98
31) Naphthalene	10.528	128	175325	8.255	ng	100
32) Benzoic acid	9.746	122	25719	5.319	ng	96
33) 4-Chloroaniline	10.634	127	66712	8.708	ng	97
34) Hexachlorobutadiene	10.816	225	51953	7.595	ng	92
35) Caprolactam	11.404	113	15368m	7.356	ng	
36) 4-Chloro-3-methylphenol	11.752	107	56494	7.501	ng	98
37) 2-Methylnaphthalene	12.134	142	124565	8.017	ng	96
38) 1-Methylnaphthalene	12.351	142	117178	7.638	ng	100
40) 1,2,4,5-Tetrachloroben...	12.504	216	91883	8.229	ng	98
41) Hexachlorocyclopentadiene	12.487	237	26840	6.470	ng	93
43) 2,4,6-Trichlorophenol	12.746	196	51668	7.539	ng	95

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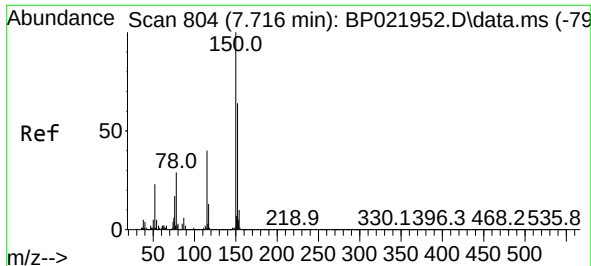
Manual Integrations
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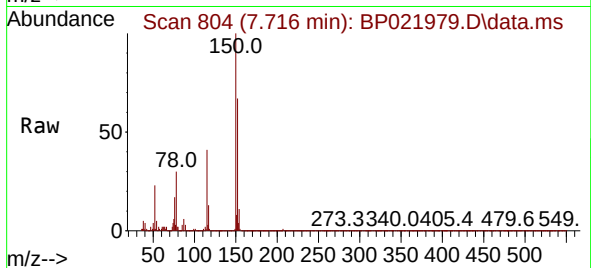
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.816	196	56263	7.318	ng	95
46) 1,1'-Biphenyl	13.151	154	182169	8.372	ng	100
47) 2-Chloronaphthalene	13.193	162	140788	8.002	ng	98
48) 2-Nitroaniline	13.393	65	34680	7.218	ng	98
49) Acenaphthylene	14.040	152	215455	8.678	ng	99
50) Dimethylphthalate	13.781	163	187786	8.113	ng	99
51) 2,6-Dinitrotoluene	13.893	165	38607	7.485	ng	96
52) Acenaphthene	14.381	154	128584	7.958	ng	96
53) 3-Nitroaniline	14.222	138	34441	7.492	ng	97
54) 2,4-Dinitrophenol	14.434	184	18638	6.167	ng	93
55) Dibenzofuran	14.728	168	229681	8.457	ng	100
56) 4-Nitrophenol	14.540	139	28179	7.043	ng	99
57) 2,4-Dinitrotoluene	14.687	165	50143	6.877	ng	# 94
58) Fluorene	15.387	166	182464	8.045	ng	100
59) 2,3,4,6-Tetrachlorophenol	14.957	232	57393	7.735	ng	99
60) Diethylphthalate	15.157	149	189840	8.071	ng	99
61) 4-Chlorophenyl-phenyle...	15.381	204	106086	8.034	ng	99
62) 4-Nitroaniline	15.398	138	36695	7.260	ng	97
63) Azobenzene	15.681	77	167004	8.580	ng	100
65) 4,6-Dinitro-2-methylph...	15.463	198	30998	6.780	ng	99
66) n-Nitrosodiphenylamine	15.598	169	159204	8.106	ng	96
67) 4-Bromophenyl-phenylether	16.292	248	71896	7.819	ng	96
68) Hexachlorobenzene	16.410	284	90246	7.872	ng	96
69) Atrazine	16.569	200	68685	9.761	ng	97
70) Pentachlorophenol	16.757	266	51944	6.735	ng	95
71) Phenanthrene	17.151	178	314575	8.308	ng	99
72) Anthracene	17.245	178	294870	8.045	ng	99
73) Carbazole	17.528	167	284112	8.026	ng	99
74) Di-n-butylphthalate	18.116	149	323088	7.771	ng	99
75) Fluoranthene	19.233	202	416066	7.873	ng	99
77) Benzidine	19.433	184	144556	12.406	ng	97
78) Pyrene	19.616	202	438451	7.601	ng	99
80) Butylbenzylphthalate	20.563	149	153508	7.462	ng	99
81) Benzo(a)anthracene	21.510	228	501203	8.180	ng	99
82) 3,3'-Dichlorobenzidine	21.439	252	170919	7.689	ng	98
83) Chrysene	21.575	228	473535	8.209	ng	98
84) Bis(2-ethylhexyl)phtha...	21.457	149	226633	7.506	ng	99
85) Di-n-octyl phthalate	22.710	149	373714	7.287	ng	99
87) Indeno(1,2,3-cd)pyrene	28.539	276	601980	8.259	ng	99
88) Benzo(b)fluoranthene	23.774	252	517824	7.990	ng	97
89) Benzo(k)fluoranthene	23.851	252	517963	8.445	ng	99
90) Benzo(a)pyrene	24.657	252	465106	8.331	ng	99
91) Dibenzo(a,h)anthracene	28.609	278	491716	8.174	ng	98
92) Benzo(g,h,i)perylene	29.698	276	471284	7.648	ng	99

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



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.716 min Scan# 804
Delta R.T. 0.000 min
Lab File: BP021979.D
Acq: 23 Sep 2024 12:30

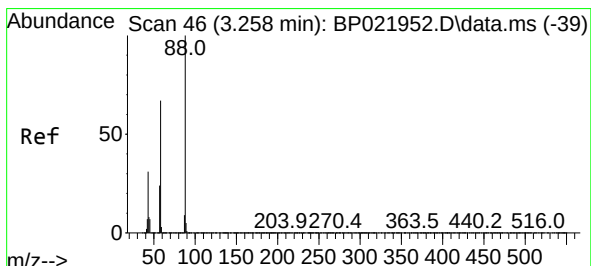
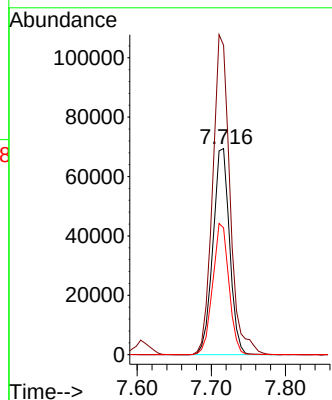
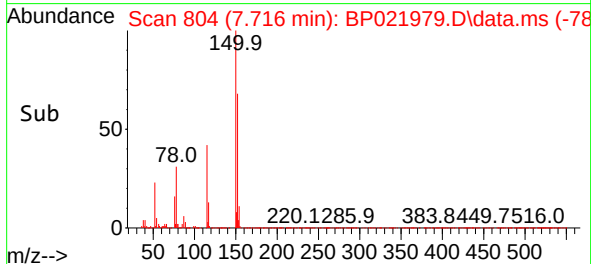
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT2-2024



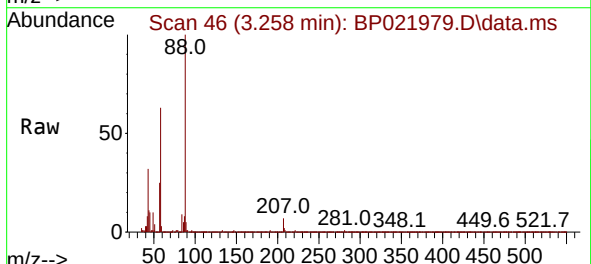
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Ion Ratio Lower Upper
152 100
150 150.2 124.2 186.2
115 61.6 49.2 73.8

Manual Integrations
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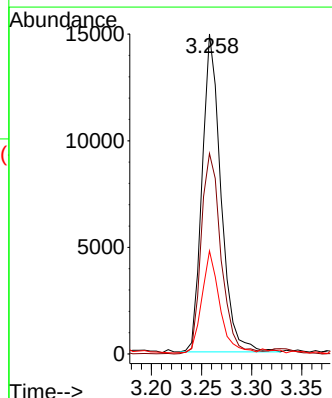
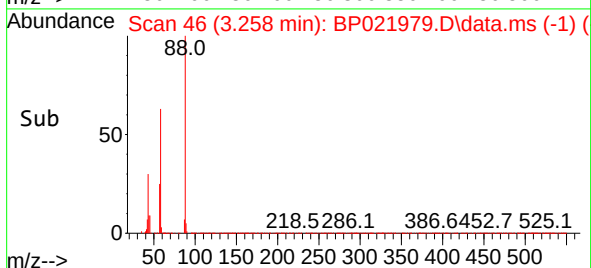
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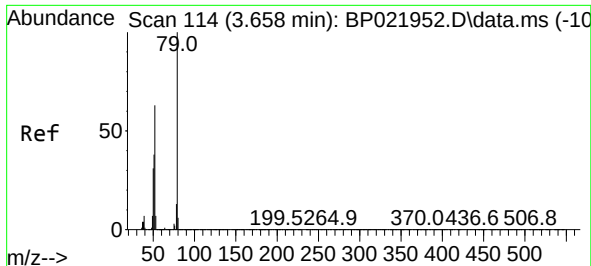


#2
1,4-Dioxane
Concen: 8.134 ng
RT: 3.258 min Scan# 46
Delta R.T. 0.000 min
Lab File: BP021979.D
Acq: 23 Sep 2024 12:30



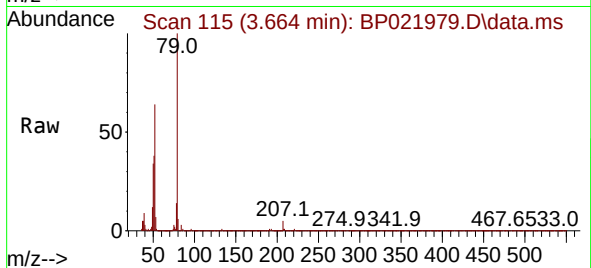
Tgt Ion: 88 Resp: 19502
Ion Ratio Lower Upper
88 100
58 66.7 53.8 80.6
43 30.3 25.2 37.8





#3
Pyridine
Concen: 7.144 ng
RT: 3.664 min Scan# 114
Delta R.T. 0.006 min
Lab File: BP021979.D
Acq: 23 Sep 2024 12:30

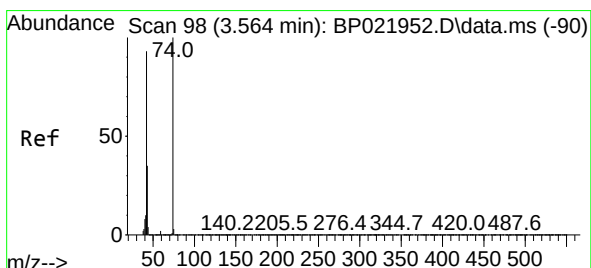
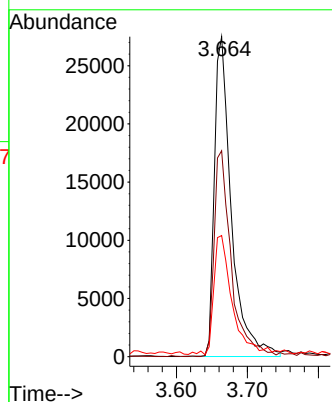
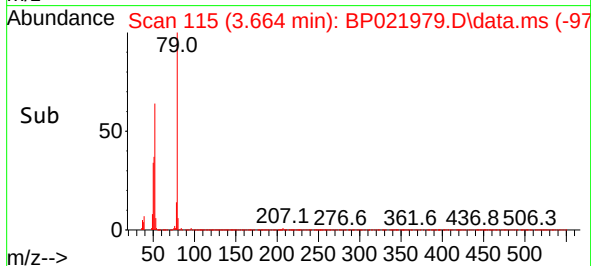
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT2-2024



Tgt Ion: 79 Resp: 4568
Ion Ratio Lower Upper
79 100
52 64.4 50.3 75.5
51 37.9 30.9 46.3

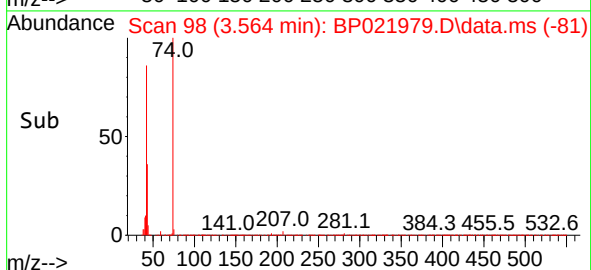
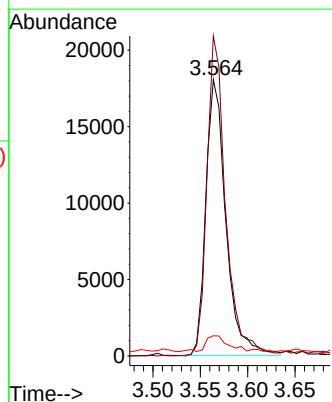
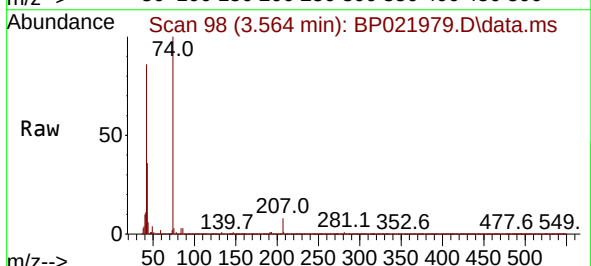
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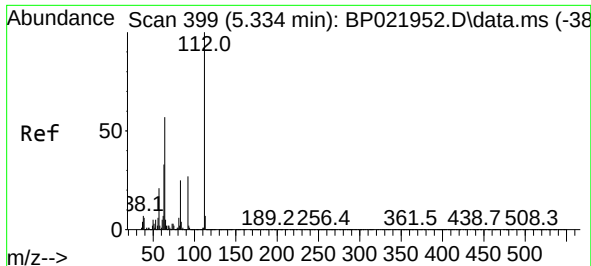
Reviewed By :Yogesh Patel 09/25/2024
Supervised By :mohammad ahmed 09/25/2024



#4
n-Nitrosodimethylamine
Concen: 7.935 ng
RT: 3.564 min Scan# 98
Delta R.T. 0.000 min
Lab File: BP021979.D
Acq: 23 Sep 2024 12:30

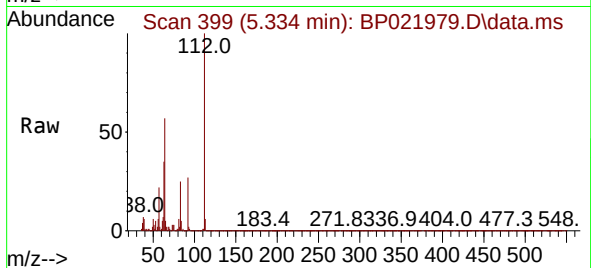
Tgt Ion: 42 Resp: 26768
Ion Ratio Lower Upper
42 100
74 115.8 86.3 129.5
44 7.3 4.0 6.0





#5
2-Fluorophenol
Concen: 124.050 ng
RT: 5.334 min Scan# 399
Delta R.T. 0.000 min
Lab File: BP021979.D
Acq: 23 Sep 2024 12:30

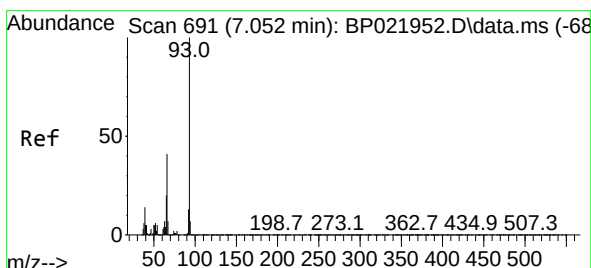
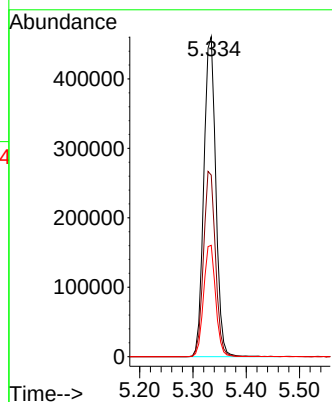
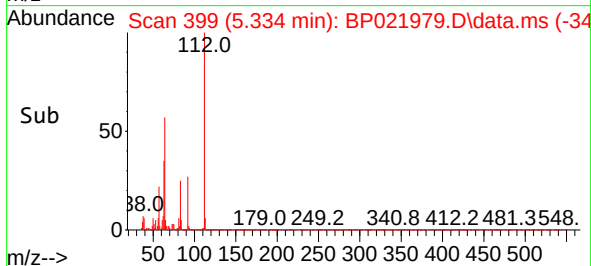
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT2-2024



Tgt Ion:112 Resp: 71628
Ion Ratio Lower Upper
112 100
64 56.8 45.4 68.0
63 34.8 26.6 39.8

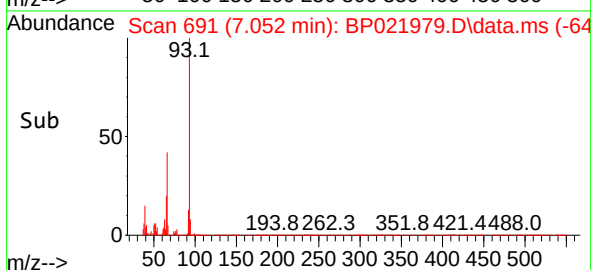
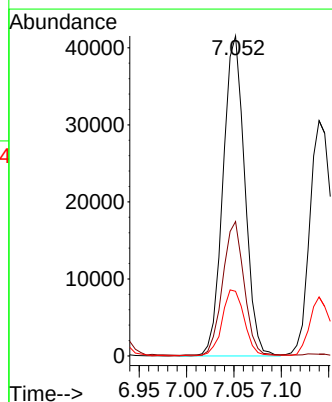
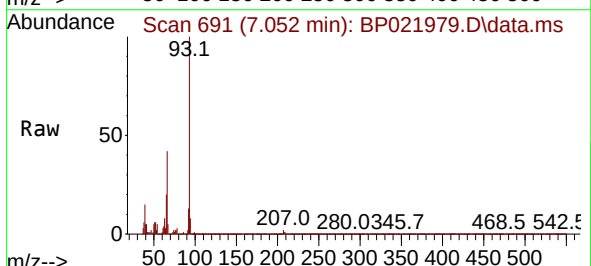
Manual Integrations
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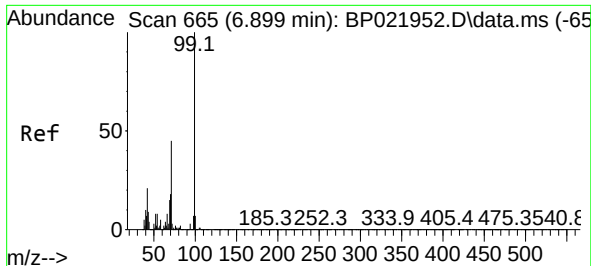
Reviewed By :Yogesh Patel 09/25/2024
Supervised By :mohammad ahmed 09/25/2024



#6
Aniline
Concen: 10.048 ng
RT: 7.052 min Scan# 691
Delta R.T. 0.000 min
Lab File: BP021979.D
Acq: 23 Sep 2024 12:30

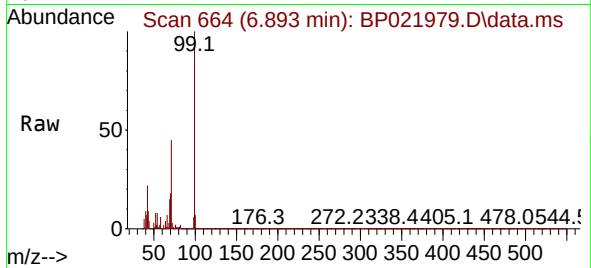
Tgt Ion: 93 Resp: 66185
Ion Ratio Lower Upper
93 100
66 42.0 33.0 49.4
65 20.2 16.1 24.1





#7
Phenol-d6
Concen: 126.313 ng
RT: 6.893 min Scan# 60
Delta R.T. -0.006 min
Lab File: BP021979.D
Acq: 23 Sep 2024 12:30

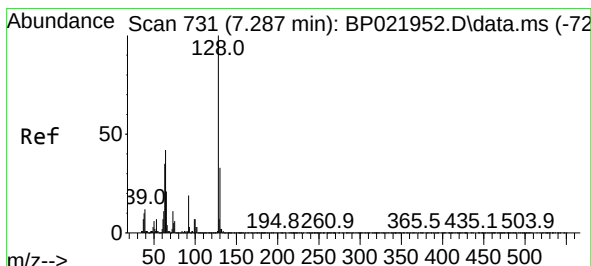
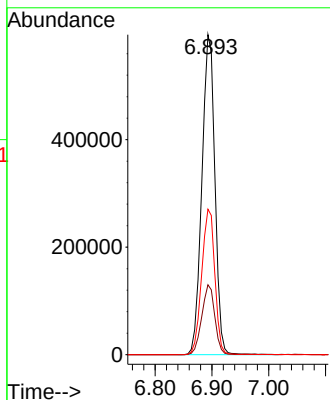
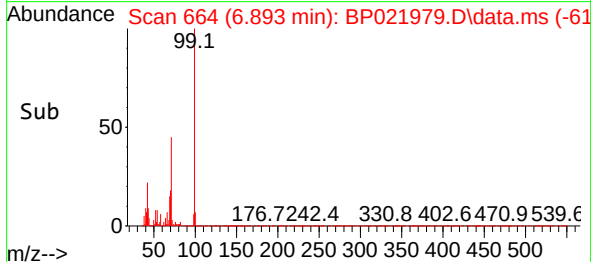
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT2-2024



Tgt Ion: 99 Resp: 946838
Ion Ratio Lower Upper
99 100
42 21.8 16.8 25.2
71 45.5 35.8 53.6

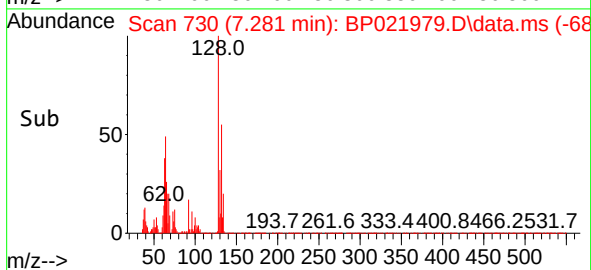
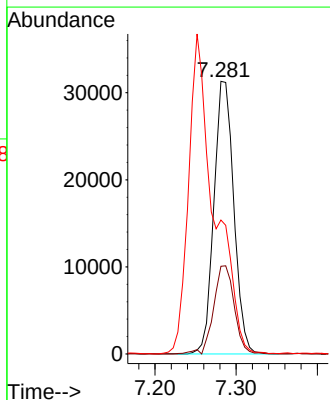
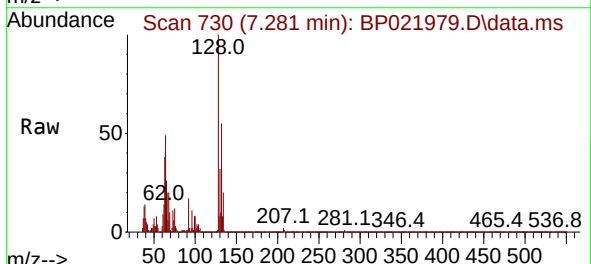
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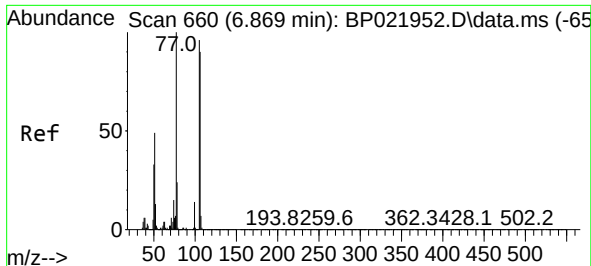
Reviewed By :Yogesh Patel 09/25/2024
Supervised By :mohammad ahmed 09/25/2024



#8
2-Chlorophenol
Concen: 8.658 ng
RT: 7.281 min Scan# 730
Delta R.T. -0.006 min
Lab File: BP021979.D
Acq: 23 Sep 2024 12:30

Tgt Ion:128 Resp: 53456
Ion Ratio Lower Upper
128 100
130 32.2 13.1 53.1
64 49.1 22.1 62.1





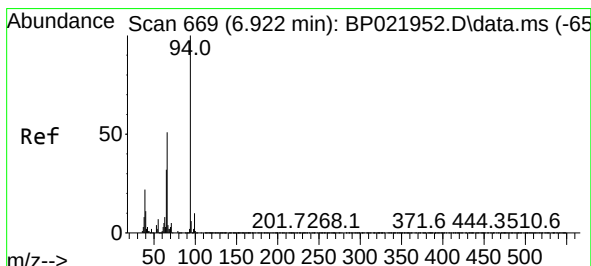
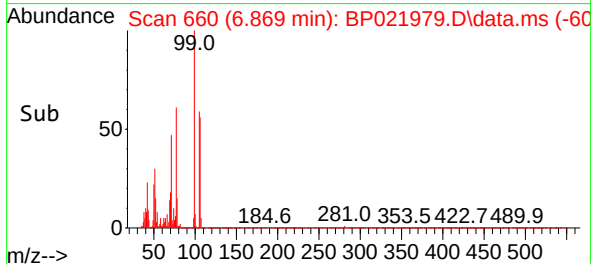
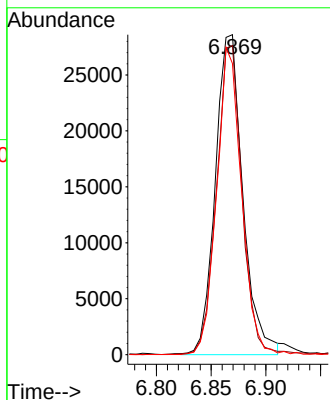
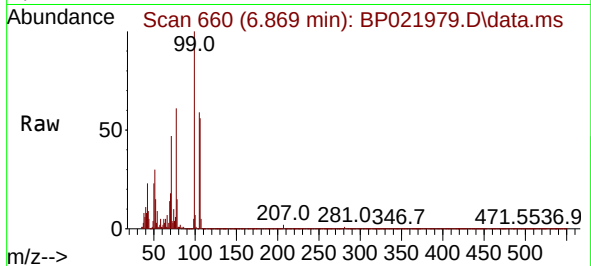
#9
Benzaldehyde
Concen: 12.768 ng m
RT: 6.869 min Scan# 660
Delta R.T. 0.000 min
Lab File: BP021979.D
Acq: 23 Sep 2024 12:30

Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT2-2024

Tgt Ion: 77 Resp: 5004
Ion Ratio Lower Upper
77 100
105 96.6 76.1 116.1
106 91.0 69.9 109.9

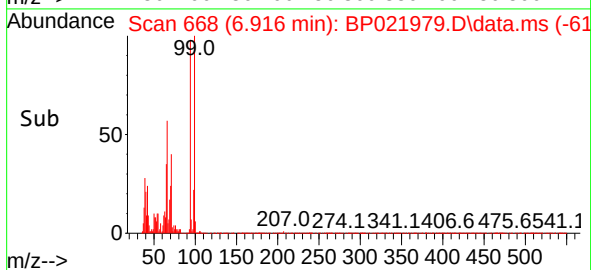
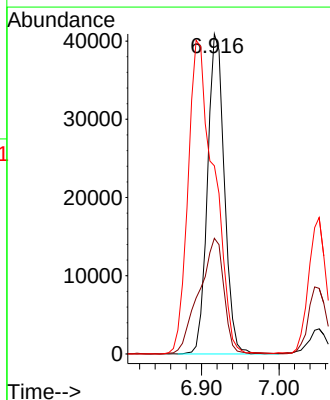
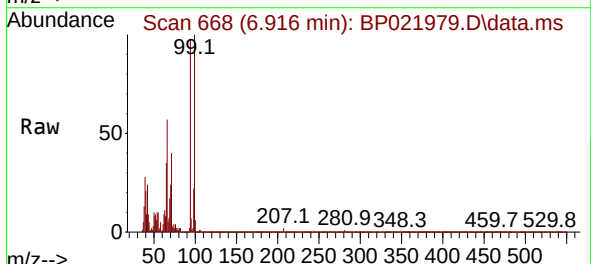
Manual Integrations
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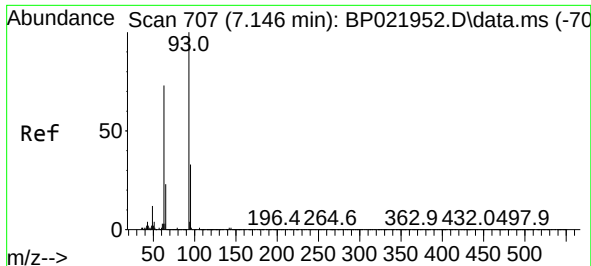
Reviewed By :Yogesh Patel 09/25/2024
Supervised By :mohammad ahmed 09/25/2024



#10
Phenol
Concen: 8.303 ng
RT: 6.916 min Scan# 668
Delta R.T. -0.006 min
Lab File: BP021979.D
Acq: 23 Sep 2024 12:30

Tgt Ion: 94 Resp: 61819
Ion Ratio Lower Upper
94 100
65 36.1 12.5 52.5
66 58.8 31.2 71.2





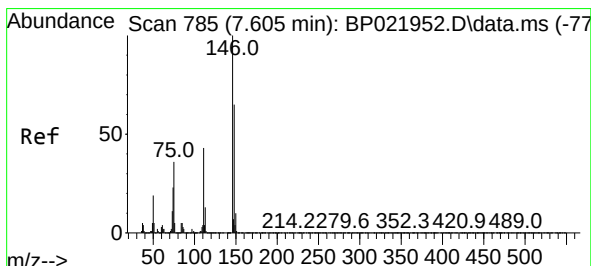
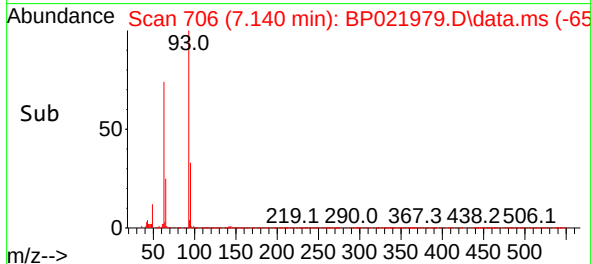
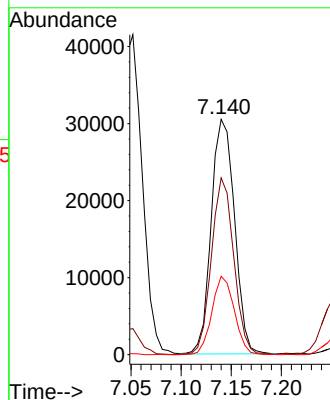
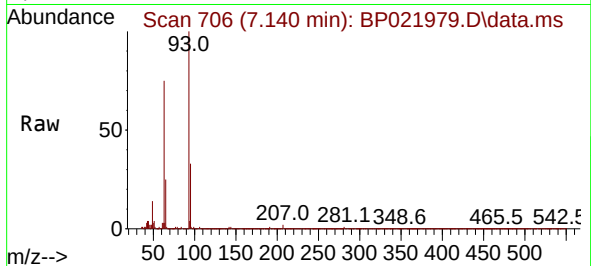
#11
bis(2-Chloroethyl)ether
Concen: 8.798 ng
RT: 7.140 min Scan# 707
Delta R.T. -0.006 min
Lab File: BP021979.D
Acq: 23 Sep 2024 12:30

Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT2-2024

Tgt Ion: 93 Resp: 4934
Ion Ratio Lower Upper
93 100
63 75.1 53.0 93.0
95 33.3 12.4 52.4

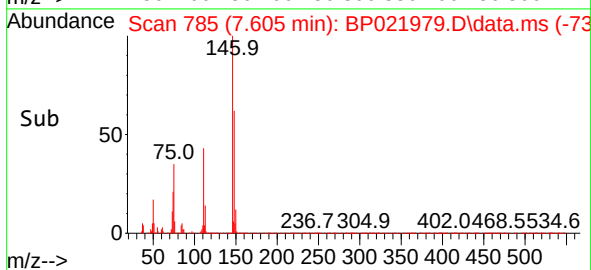
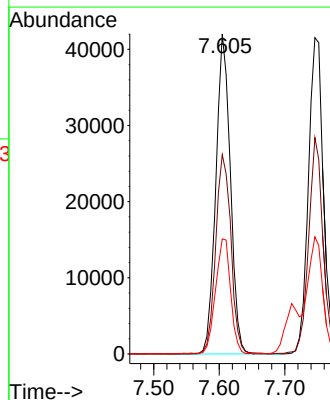
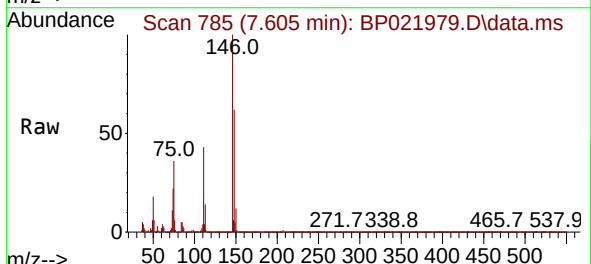
Manual Integrations
APPROVED

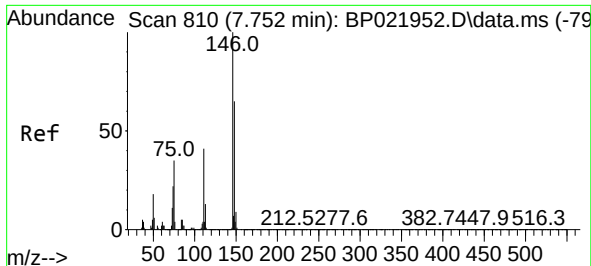
Reviewed By :Yogesh Patel 09/25/2024
Supervised By :mohammad ahmed 09/25/2024



#12
1,3-Dichlorobenzene
Concen: 8.274 ng
RT: 7.605 min Scan# 785
Delta R.T. 0.000 min
Lab File: BP021979.D
Acq: 23 Sep 2024 12:30

Tgt Ion:146 Resp: 64495
Ion Ratio Lower Upper
146 100
148 62.3 52.3 78.5
75 36.0 29.0 43.6





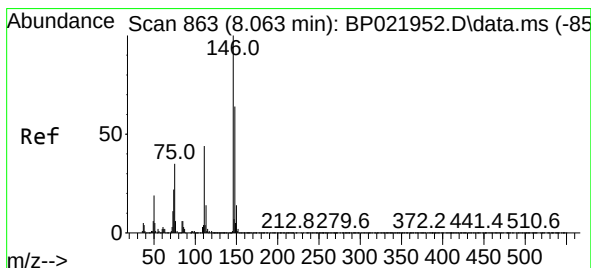
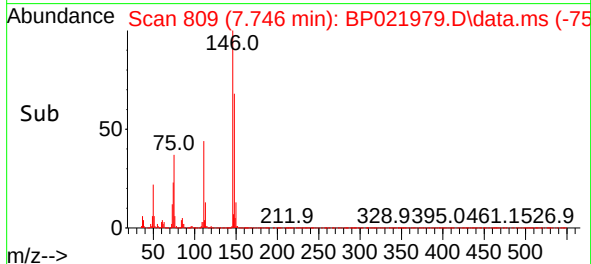
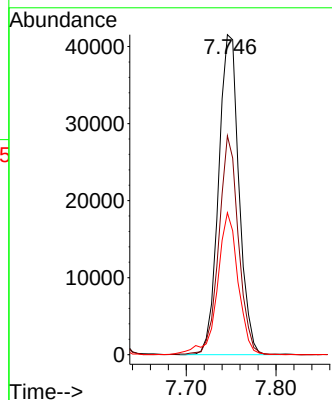
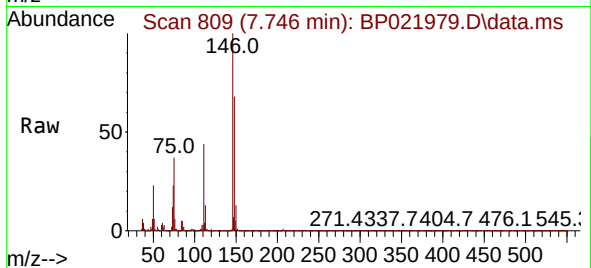
#13
1,4-Dichlorobenzene
Concen: 8.281 ng
RT: 7.746 min Scan# 809
Delta R.T. -0.006 min
Lab File: BP021979.D
Acq: 23 Sep 2024 12:30

Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT2-2024

Tgt Ion:146 Resp: 65460
Ion Ratio Lower Upper
146 100
148 68.4 52.2 78.4
111 44.3 32.6 48.8

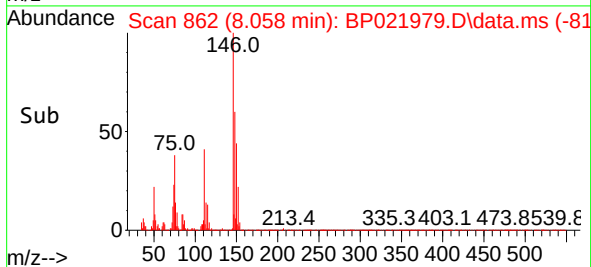
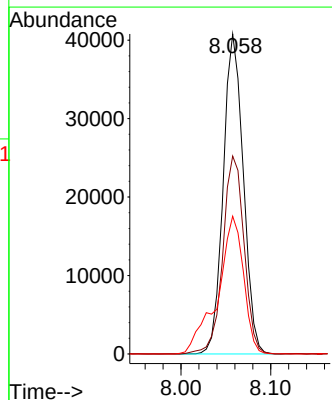
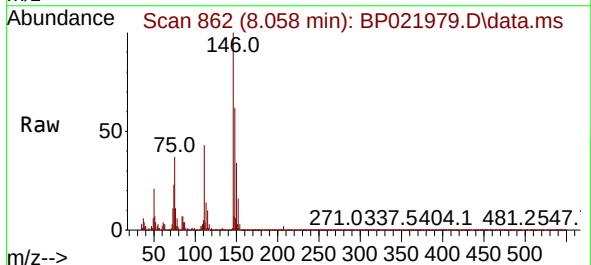
Manual Integrations
APPROVED

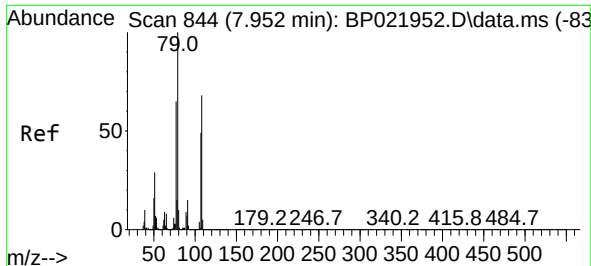
Reviewed By :Yogesh Patel 09/25/2024
Supervised By :mohammad ahmed 09/25/2024



#14
1,2-Dichlorobenzene
Concen: 8.338 ng
RT: 8.058 min Scan# 862
Delta R.T. -0.006 min
Lab File: BP021979.D
Acq: 23 Sep 2024 12:30

Tgt Ion:146 Resp: 63264
Ion Ratio Lower Upper
146 100
148 61.9 51.3 76.9
111 43.0 35.6 53.4





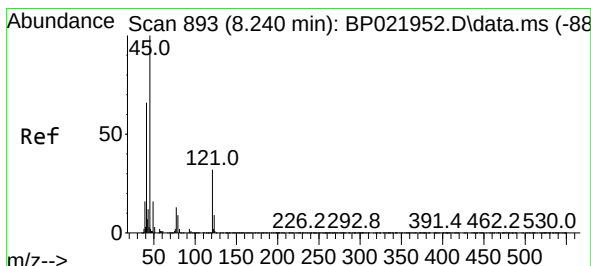
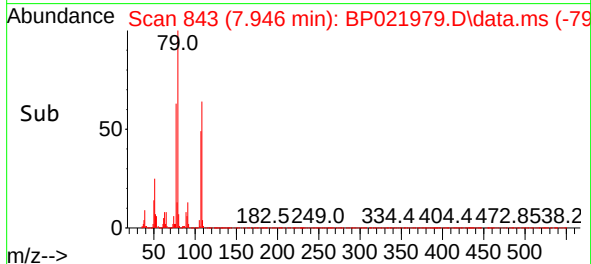
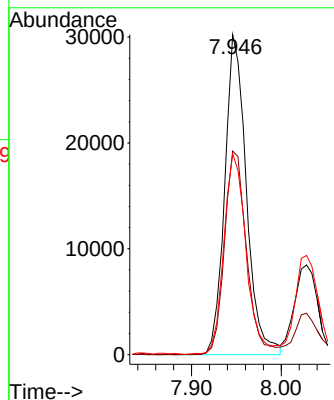
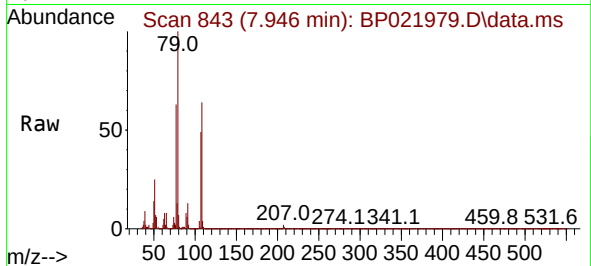
#15
Benzyl Alcohol
Concen: 8.785 ng
RT: 7.946 min Scan# 844
Delta R.T. -0.006 min
Lab File: BP021979.D
Acq: 23 Sep 2024 12:30

Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT2-2024

Tgt Ion: 79 Resp: 5050
Ion Ratio Lower Upper
79 100
108 63.6 54.7 82.1
77 62.7 51.8 77.8

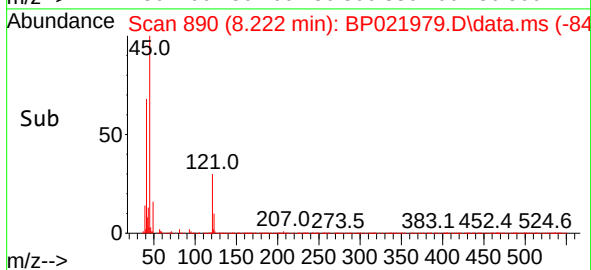
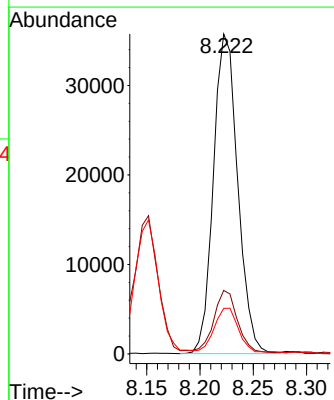
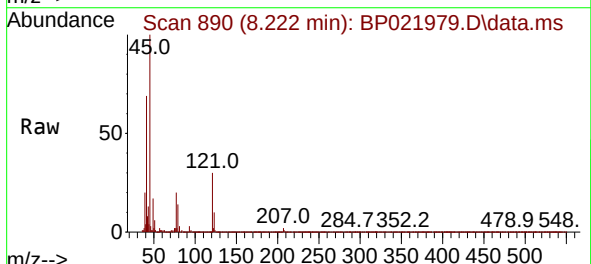
Manual Integrations
APPROVED

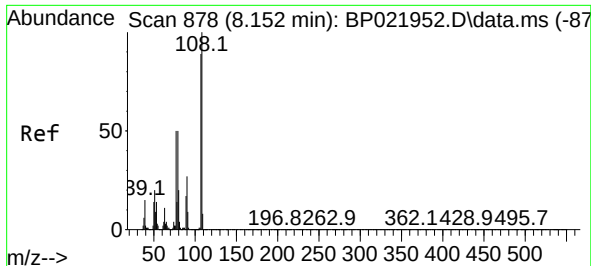
Reviewed By :Yogesh Patel 09/25/2024
Supervised By :mohammad ahmed 09/25/2024



#16
2,2'-oxybis(1-Chloropropane)
Concen: 9.480 ng
RT: 8.222 min Scan# 890
Delta R.T. -0.018 min
Lab File: BP021979.D
Acq: 23 Sep 2024 12:30

Tgt Ion: 45 Resp: 56707
Ion Ratio Lower Upper
45 100
77 19.9 0.0 39.5
79 14.2 0.0 34.9





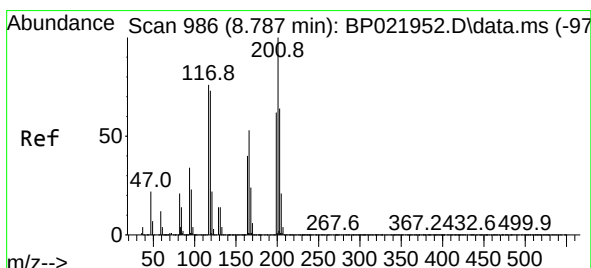
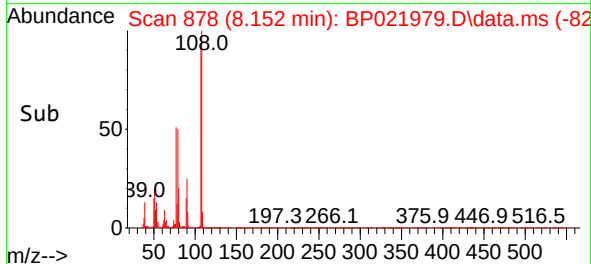
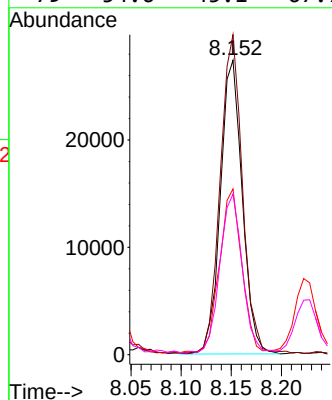
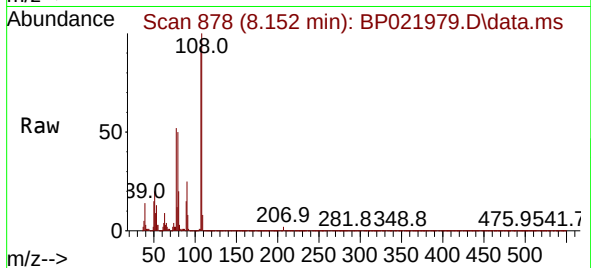
#17
2-Methylphenol
Concen: 8.266 ng
RT: 8.152 min Scan# 81
Delta R.T. 0.000 min
Lab File: BP021979.D
Acq: 23 Sep 2024 12:30

Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT2-2024

Tgt Ion:	107	Resp:	4157
Ion Ratio	Lower	Upper	
107	100		
108	108.7	90.3	135.5
77	56.3	45.1	67.7
79	54.6	45.1	67.7

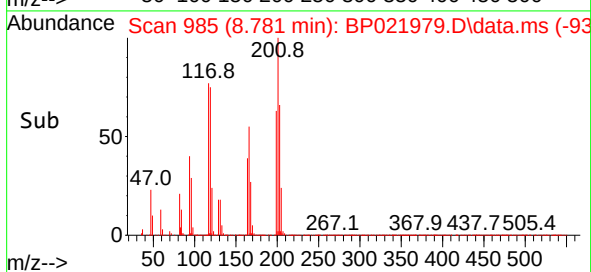
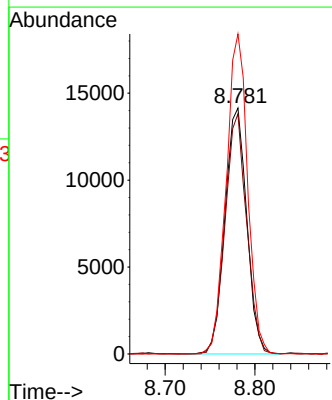
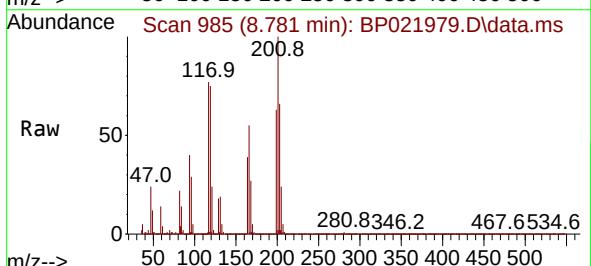
Manual Integrations
APPROVED

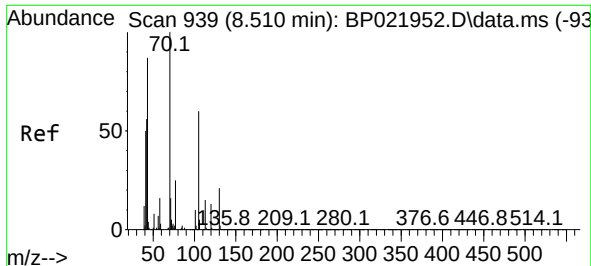
Reviewed By :Yogesh Patel 09/25/2024
Supervised By :mohammad ahmed 09/25/2024



#18
Hexachloroethane
Concen: 8.207 ng
RT: 8.781 min Scan# 985
Delta R.T. -0.006 min
Lab File: BP021979.D
Acq: 23 Sep 2024 12:30

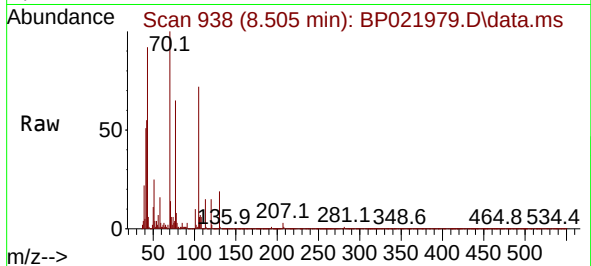
Tgt Ion:	117	Resp:	23856
Ion Ratio	Lower	Upper	
117	100		
119	97.7	77.0	115.4
201	130.1	105.6	158.4





#19
n-Nitroso-di-n-propylamine
Concen: 9.017 ng
RT: 8.505 min Scan# 91
Delta R.T. -0.006 min
Lab File: BP021979.D
Acq: 23 Sep 2024 12:30

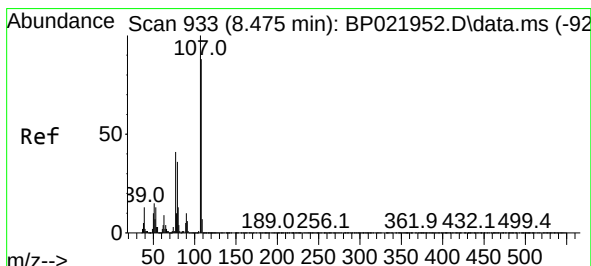
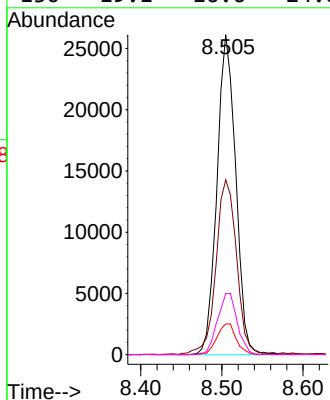
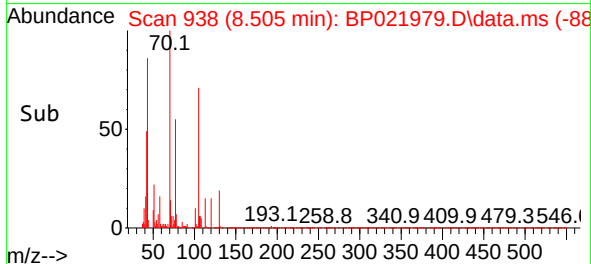
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT2-2024



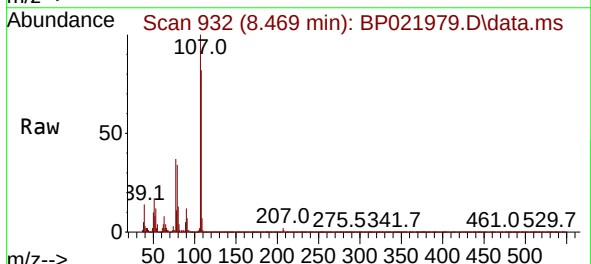
Tgt Ion: 70 Resp: 4201
Ion Ratio Lower Upper
70 100
42 54.6 45.2 67.8
101 9.6 7.8 11.6
130 19.1 16.6 24.8

Manual Integrations
APPROVED

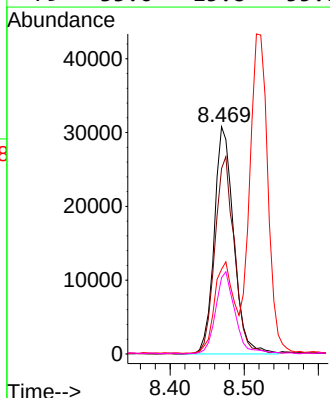
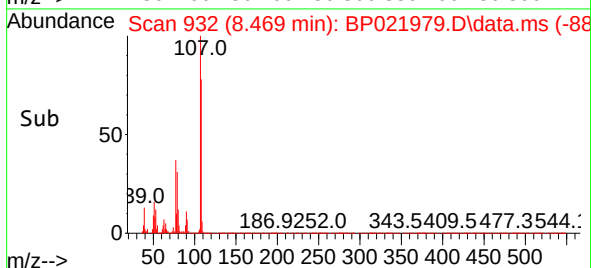
Reviewed By :Yogesh Patel 09/25/2024
Supervised By :mohammad ahmed 09/25/2024

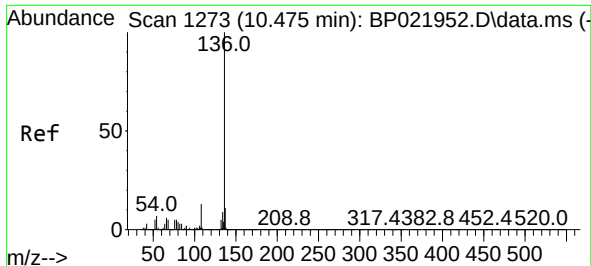


#20
3+4-Methylphenols
Concen: 7.905 ng
RT: 8.469 min Scan# 932
Delta R.T. -0.006 min
Lab File: BP021979.D
Acq: 23 Sep 2024 12:30



Tgt Ion:107 Resp: 56126
Ion Ratio Lower Upper
107 100
108 81.6 68.3 108.3
77 37.2 20.6 60.6
79 33.6 15.8 55.8





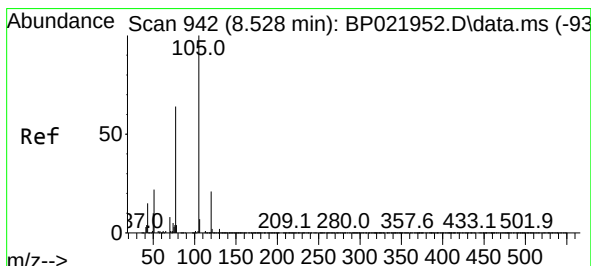
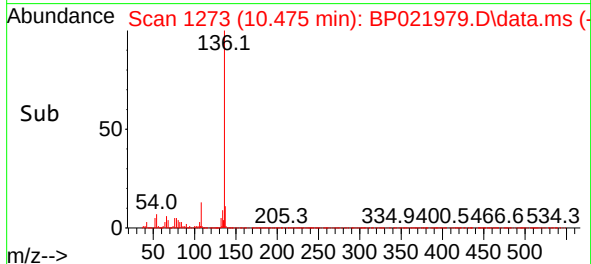
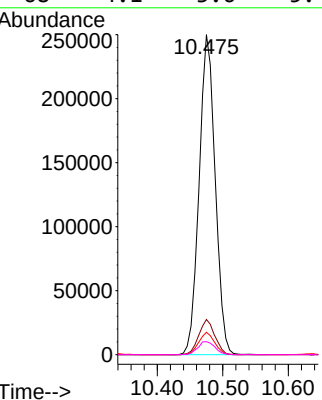
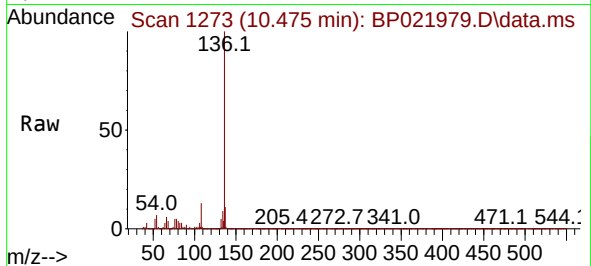
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.475 min Scan# 1273
Delta R.T. 0.000 min
Lab File: BP021979.D
Acq: 23 Sep 2024 12:30

Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT2-2024

Tgt Ion:136 Resp: 42563
Ion Ratio Lower Upper
136 100
137 11.0 8.8 13.2
54 7.0 5.5 8.3
68 4.1 3.6 5.4

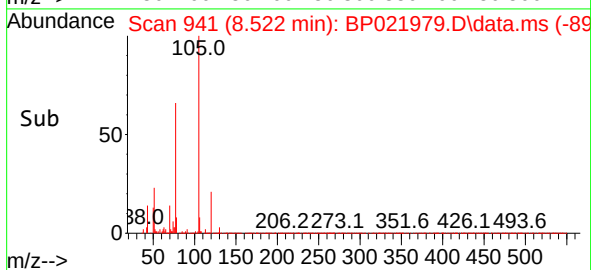
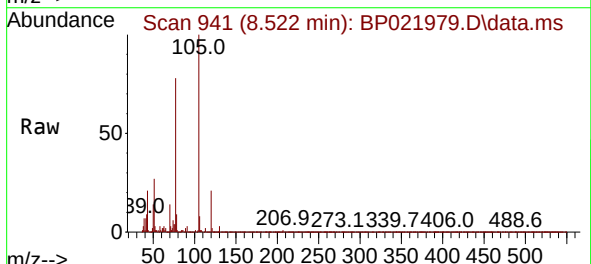
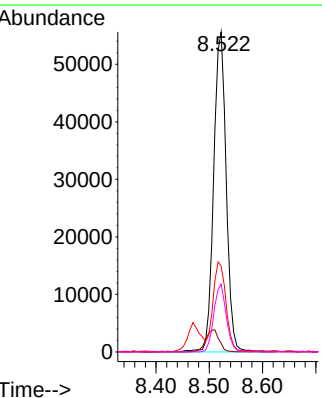
Manual Integrations
APPROVED

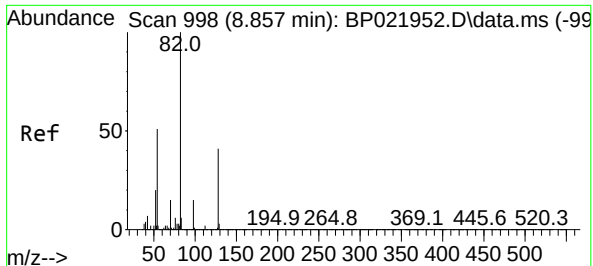
Reviewed By :Yogesh Patel 09/25/2024
Supervised By :mohammad ahmed 09/25/2024



#22
Acetophenone
Concen: 8.759 ng
RT: 8.522 min Scan# 941
Delta R.T. -0.006 min
Lab File: BP021979.D
Acq: 23 Sep 2024 12:30

Tgt Ion:105 Resp: 90949
Ion Ratio Lower Upper
105 100
71 2.7 1.4 2.0#
51 26.8 22.1 33.1
120 21.1 16.8 25.2





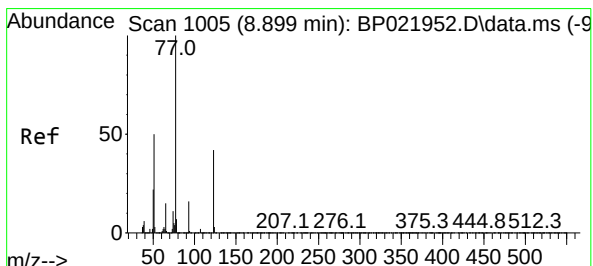
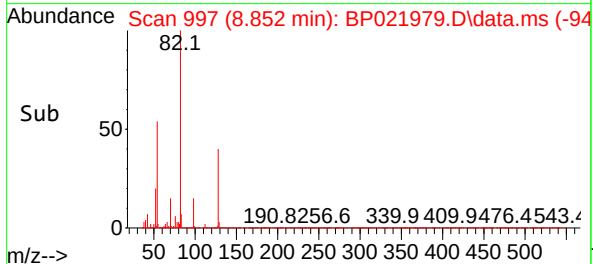
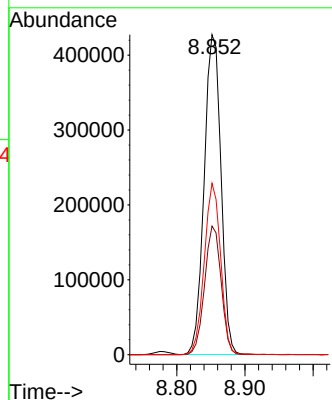
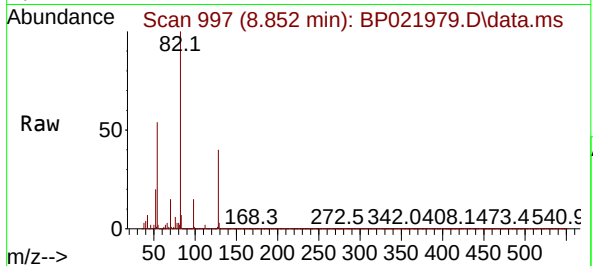
#23
Nitrobenzene-d5
Concen: 91.189 ng
RT: 8.852 min Scan# 91
Delta R.T. -0.006 min
Lab File: BP021979.D
Acq: 23 Sep 2024 12:30

Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT2-2024

Tgt Ion: 82 Resp: 73351
Ion Ratio Lower Upper
82 100
128 40.2 33.1 49.7
54 53.6 40.3 60.5

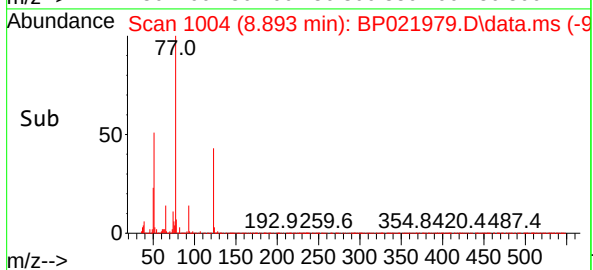
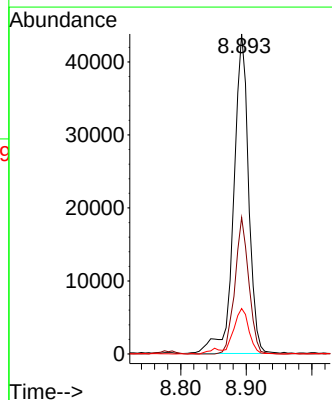
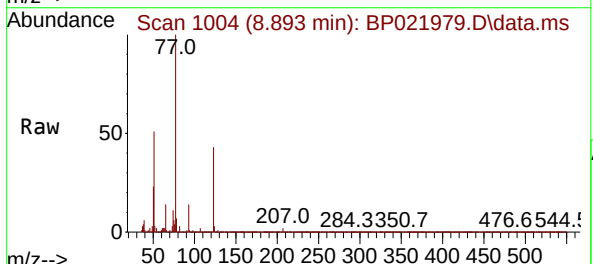
Manual Integrations
APPROVED

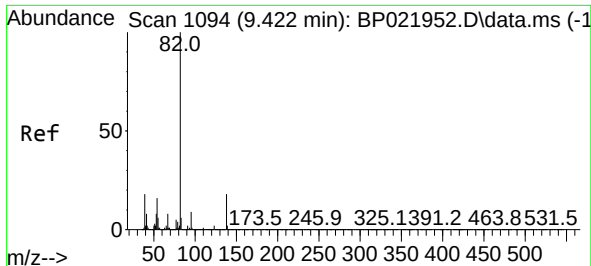
Reviewed By :Yogesh Patel 09/25/2024
Supervised By :mohammad ahmed 09/25/2024



#24
Nitrobenzene
Concen: 8.492 ng
RT: 8.893 min Scan# 1004
Delta R.T. -0.006 min
Lab File: BP021979.D
Acq: 23 Sep 2024 12:30

Tgt Ion: 77 Resp: 69371
Ion Ratio Lower Upper
77 100
123 42.7 33.9 50.9
65 14.2 12.0 18.0





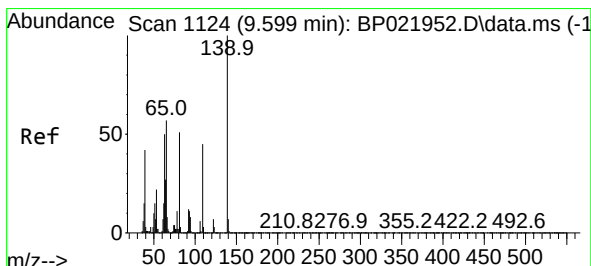
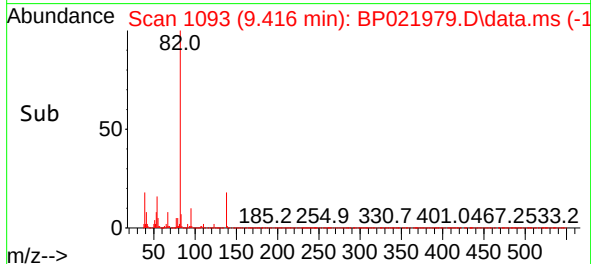
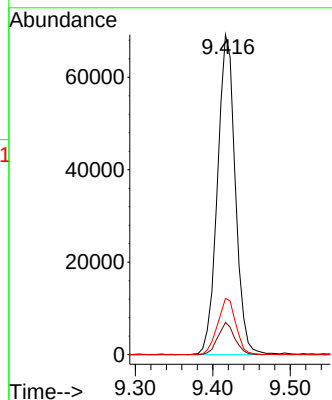
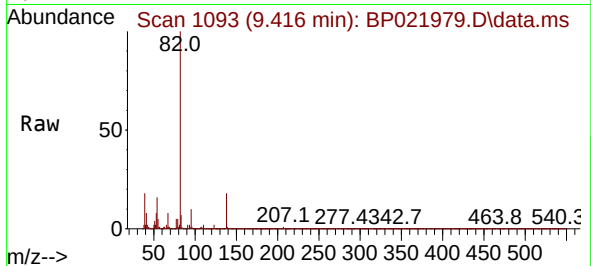
#25
Isophorone
Concen: 8.350 ng
RT: 9.416 min Scan# 11073
Delta R.T. -0.006 min
Lab File: BP021979.D
Acq: 23 Sep 2024 12:30

Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT2-2024

Tgt Ion: 82 Resp: 11073
Ion Ratio Lower Upper
82 100
95 10.1 7.0 10.6
138 17.6 14.6 21.8

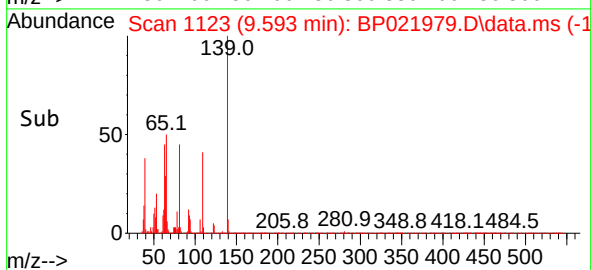
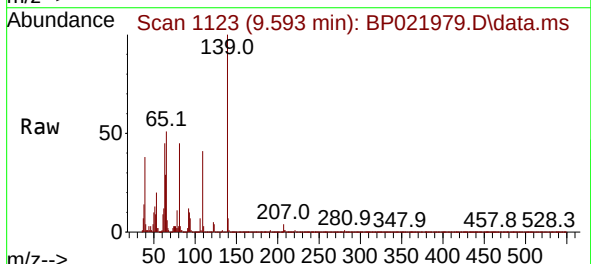
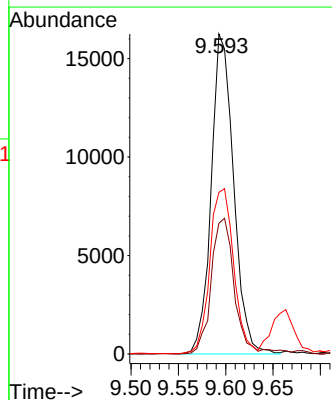
Manual Integrations
APPROVED

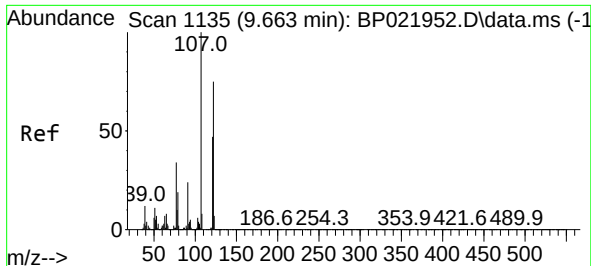
Reviewed By :Yogesh Patel 09/25/2024
Supervised By :mohammad ahmed 09/25/2024



#26
2-Nitrophenol
Concen: 7.488 ng
RT: 9.593 min Scan# 1123
Delta R.T. -0.006 min
Lab File: BP021979.D
Acq: 23 Sep 2024 12:30

Tgt Ion:139 Resp: 26744
Ion Ratio Lower Upper
139 100
109 40.9 36.0 54.0
65 50.5 45.7 68.5





#27

2,4-Dimethylphenol

Concen: 6.250 ng

RT: 9.663 min Scan# 1135

Delta R.T. 0.000 min

Lab File: BP021979.D

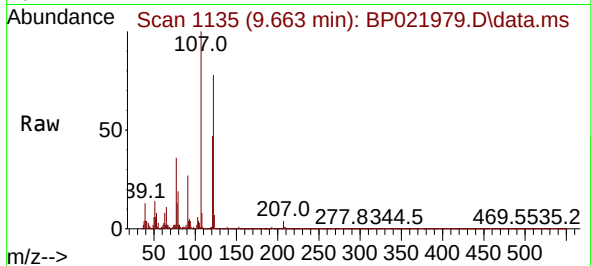
Acq: 23 Sep 2024 12:30

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT2-2024



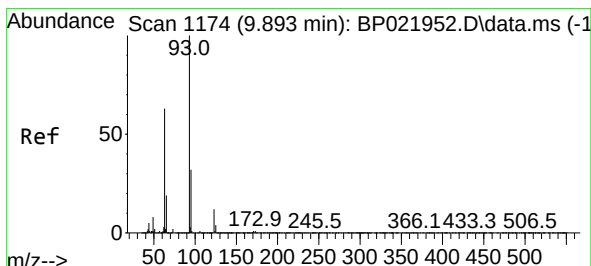
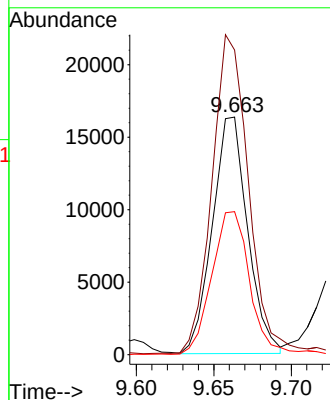
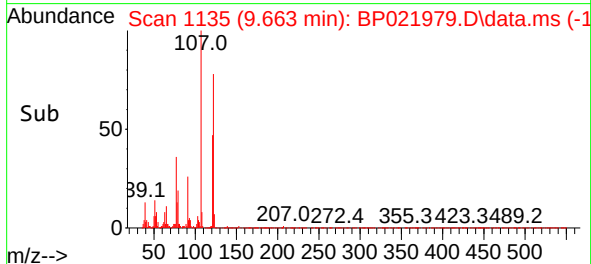
Tgt Ion	Ratio	Lower	Upper
122	100		
107	128.2	106.1	159.1
121	60.2	49.6	74.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/25/2024

Supervised By :mohammad ahmed 09/25/2024



#28

bis(2-Chloroethoxy)methane

Concen: 8.164 ng

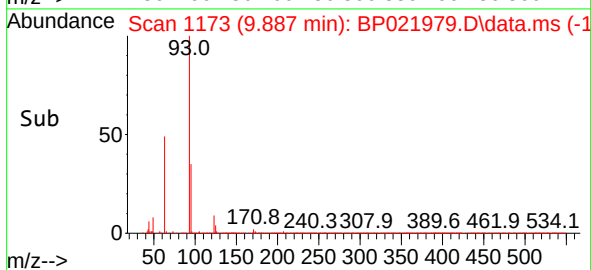
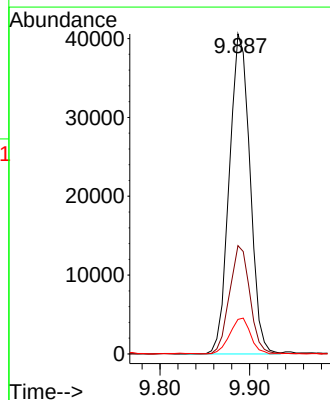
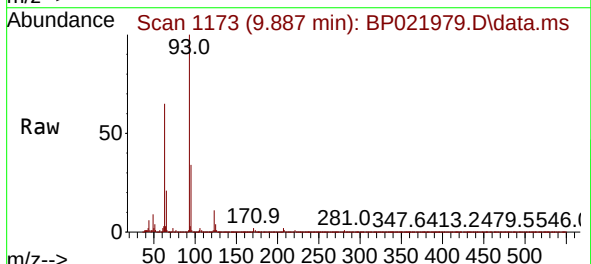
RT: 9.887 min Scan# 1173

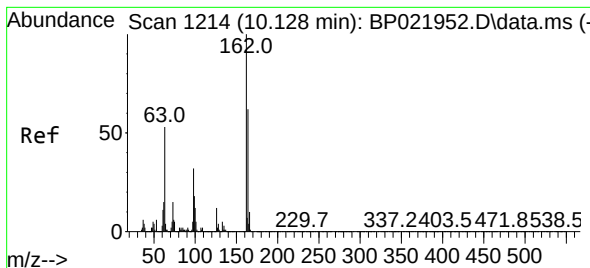
Delta R.T. -0.006 min

Lab File: BP021979.D

Acq: 23 Sep 2024 12:30

Tgt Ion	Ratio	Lower	Upper
93	100		
95	33.9	25.7	38.5
123	10.8	9.4	14.0





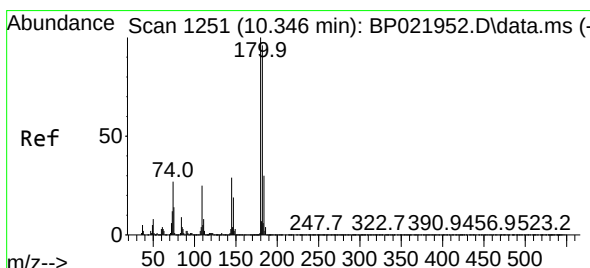
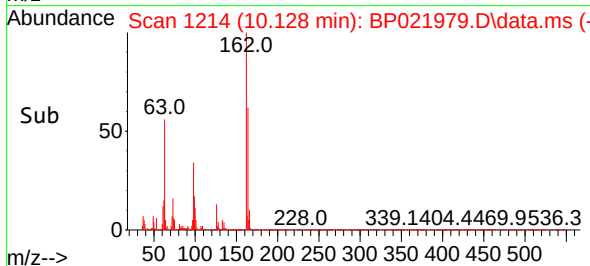
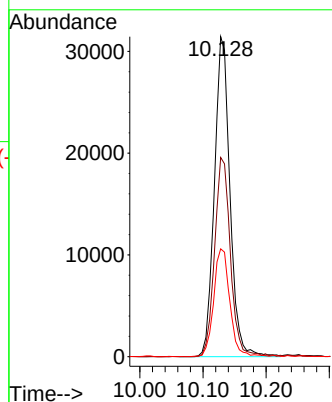
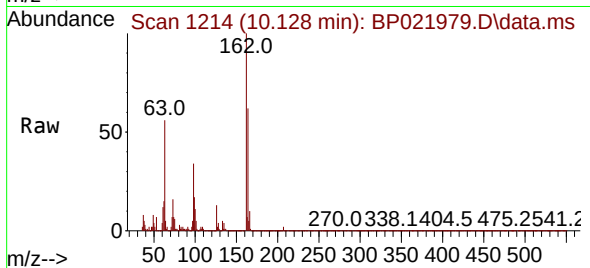
#29
2,4-Dichlorophenol
Concen: 7.670 ng
RT: 10.128 min Scan# 1214
Delta R.T. 0.000 min
Lab File: BP021979.D
Acq: 23 Sep 2024 12:30

Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT2-2024

Tgt Ion:162 Resp: 53840
Ion Ratio Lower Upper
162 100
164 62.3 41.7 81.7
98 33.7 12.4 52.4

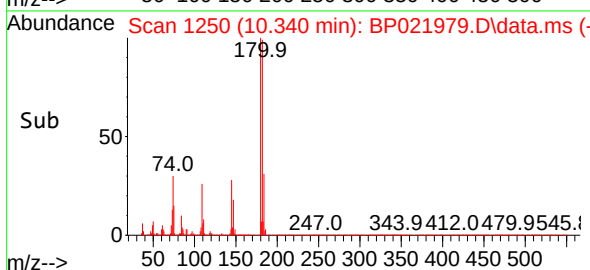
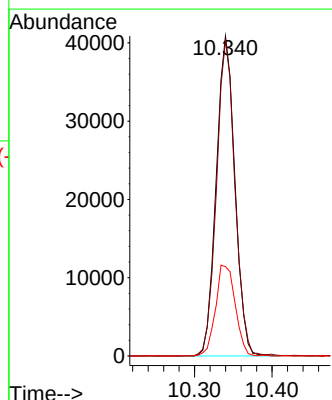
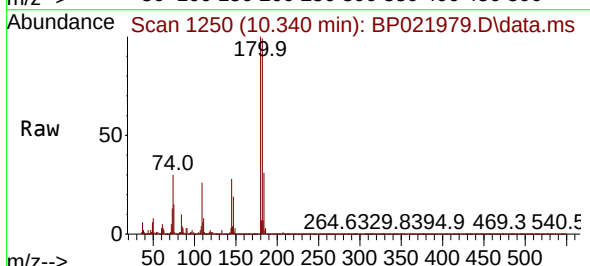
Manual Integrations
APPROVED

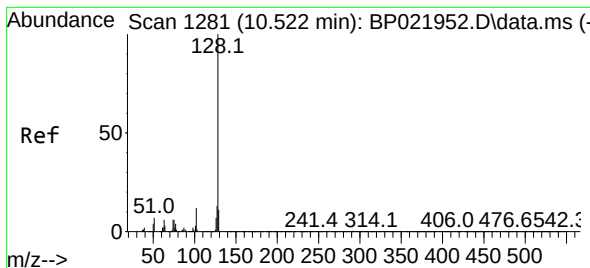
Reviewed By :Yogesh Patel 09/25/2024
Supervised By :mohammad ahmed 09/25/2024



#30
1,2,4-Trichlorobenzene
Concen: 7.845 ng
RT: 10.340 min Scan# 1250
Delta R.T. -0.006 min
Lab File: BP021979.D
Acq: 23 Sep 2024 12:30

Tgt Ion:180 Resp: 68597
Ion Ratio Lower Upper
180 100
182 98.6 77.0 115.4
145 27.9 23.0 34.6





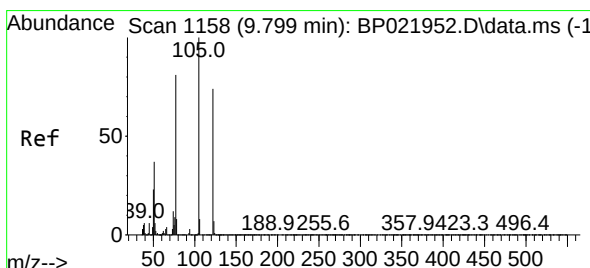
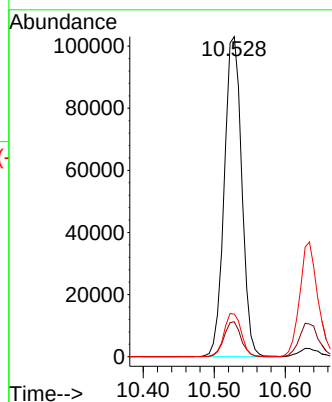
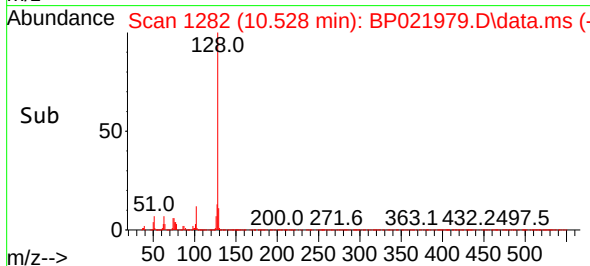
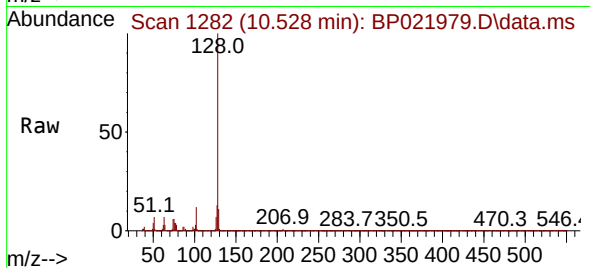
#31
Naphthalene
Concen: 8.255 ng
RT: 10.528 min Scan# 1149
Delta R.T. 0.006 min
Lab File: BP021979.D
Acq: 23 Sep 2024 12:30

Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT2-2024

Tgt Ion:128 Resp: 17532
Ion Ratio Lower Upper
128 100
129 10.9 8.6 13.0
127 13.3 10.6 15.8

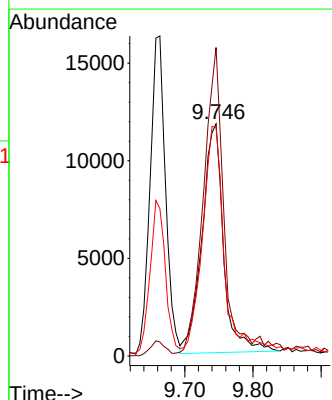
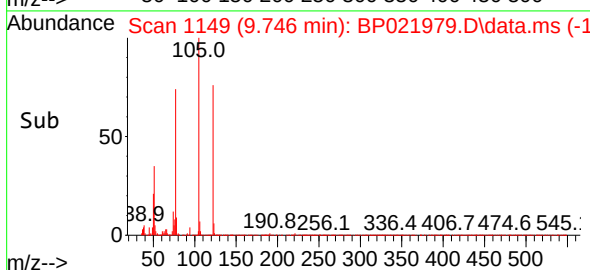
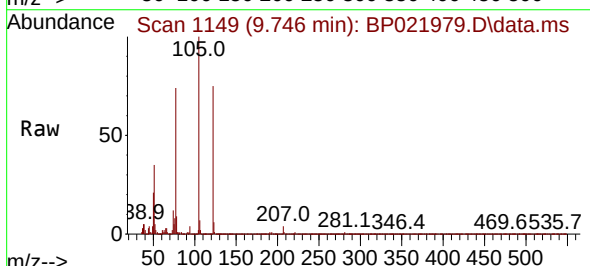
Manual Integrations
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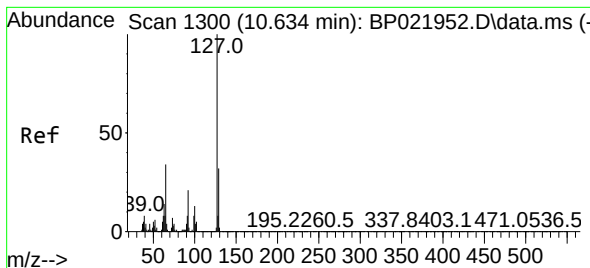
Reviewed By :Yogesh Patel 09/25/2024
Supervised By :mohammad ahmed 09/25/2024



#32
Benzoic acid
Concen: 5.319 ng
RT: 9.746 min Scan# 1149
Delta R.T. -0.053 min
Lab File: BP021979.D
Acq: 23 Sep 2024 12:30

Tgt Ion:122 Resp: 25719
Ion Ratio Lower Upper
122 100
105 132.8 111.3 151.3
77 98.5 86.7 126.7





#33

4-Chloroaniline

Concen: 8.708 ng

RT: 10.634 min Scan# 11

Delta R.T. 0.000 min

Lab File: BP021979.D

Acq: 23 Sep 2024 12:30

Instrument :

BNP_P

ClientSampleId :

MDL-SOIL-03-QT2-2024

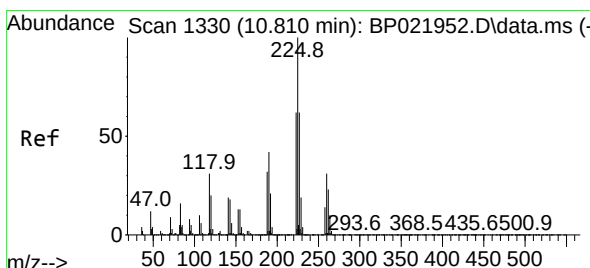
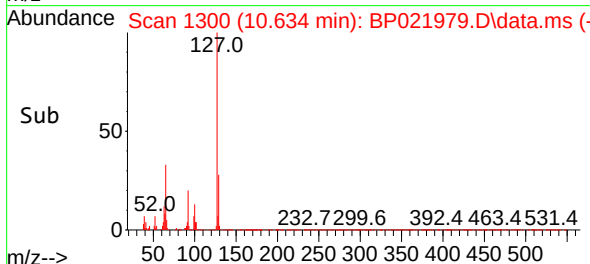
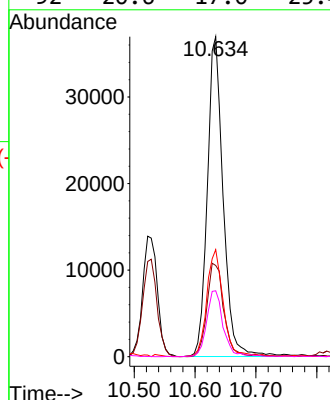
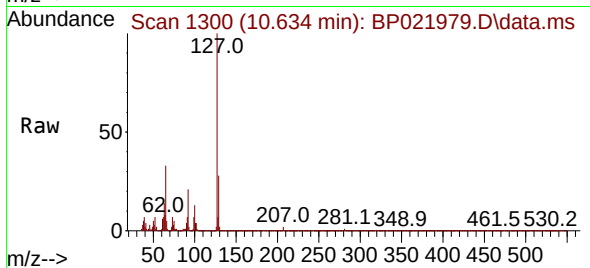
Tgt Ion	Ratio	Lower	Upper
127	100		
129	28.5	25.4	38.0
65	33.4	27.4	41.2
92	20.6	17.0	25.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/25/2024

Supervised By :mohammad ahmed 09/25/2024



#34

Hexachlorobutadiene

Concen: 7.595 ng

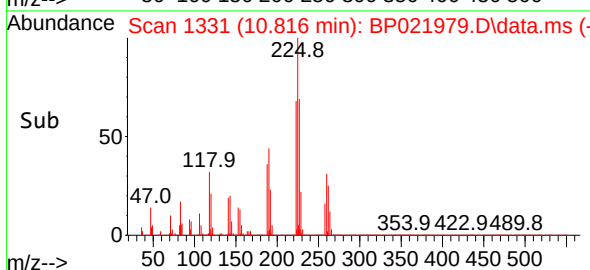
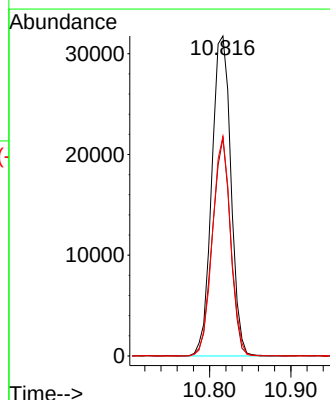
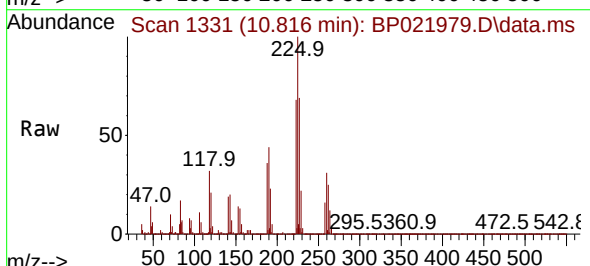
RT: 10.816 min Scan# 1331

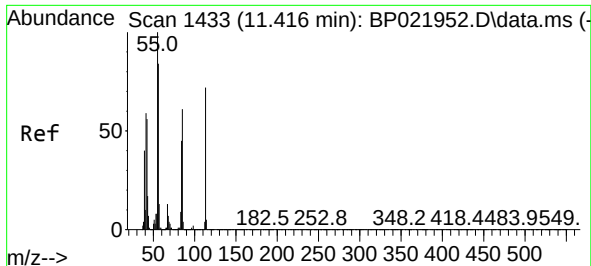
Delta R.T. 0.006 min

Lab File: BP021979.D

Acq: 23 Sep 2024 12:30

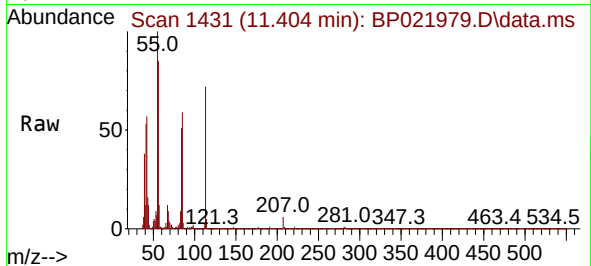
Tgt Ion	Ratio	Lower	Upper
225	100		
223	68.1	50.0	75.0
227	68.6	49.7	74.5





#35
Caprolactam
Concen: 7.356 ng m
RT: 11.404 min Scan# 1433
Delta R.T. -0.012 min
Lab File: BP021979.D
Acq: 23 Sep 2024 12:30

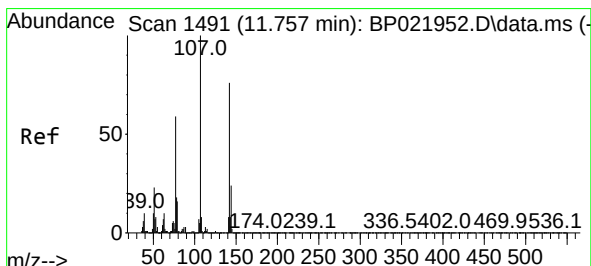
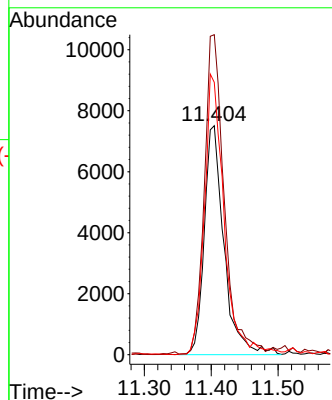
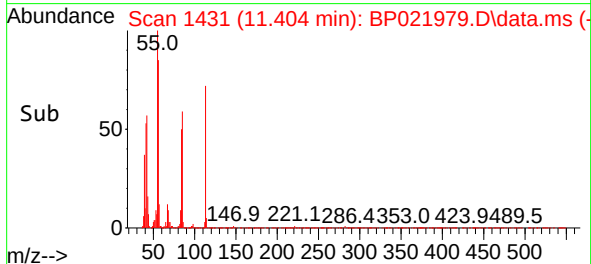
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT2-2024



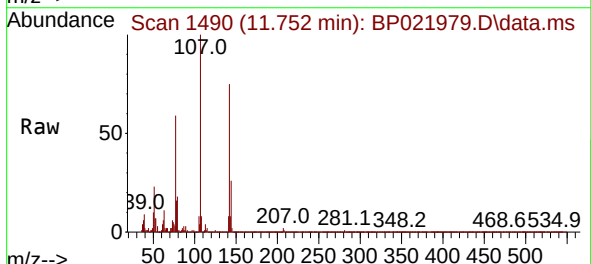
Tgt Ion:113 Resp: 1536
Ion Ratio Lower Upper
113 100
55 139.8 119.4 159.4
56 118.9 97.1 137.1

Manual Integrations
APPROVED

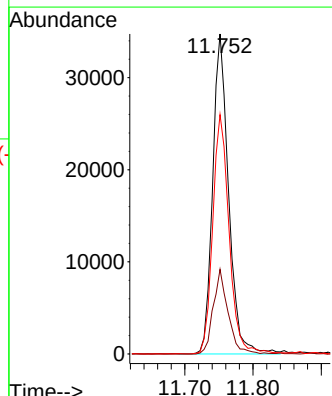
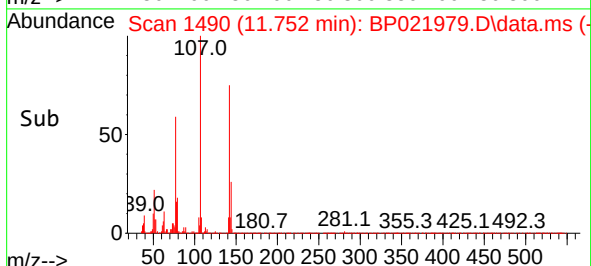
Reviewed By :Yogesh Patel 09/25/2024
Supervised By :mohammad ahmed 09/25/2024

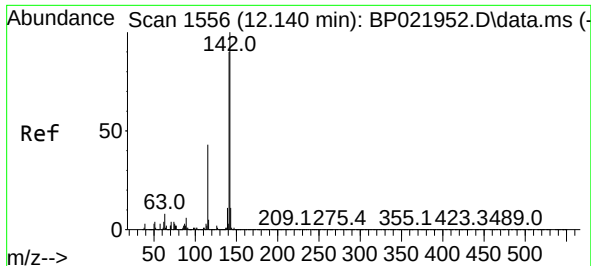


#36
4-Chloro-3-methylphenol
Concen: 7.501 ng
RT: 11.752 min Scan# 1490
Delta R.T. -0.006 min
Lab File: BP021979.D
Acq: 23 Sep 2024 12:30



Tgt Ion:107 Resp: 56494
Ion Ratio Lower Upper
107 100
144 26.5 19.0 28.4
142 74.8 60.4 90.6





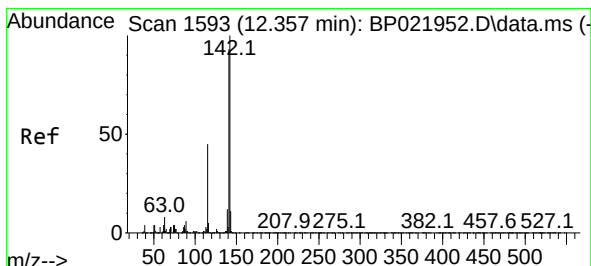
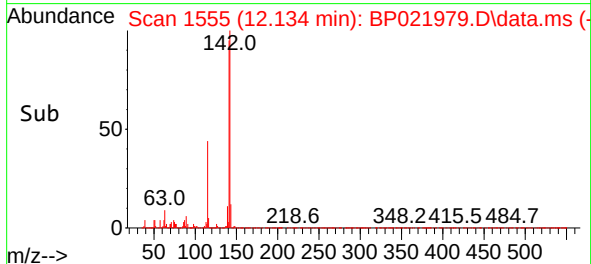
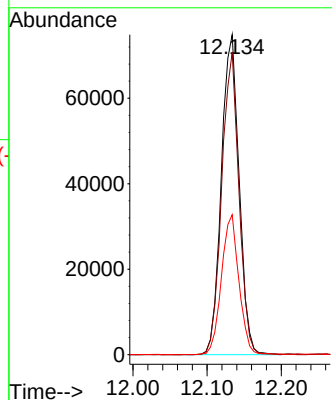
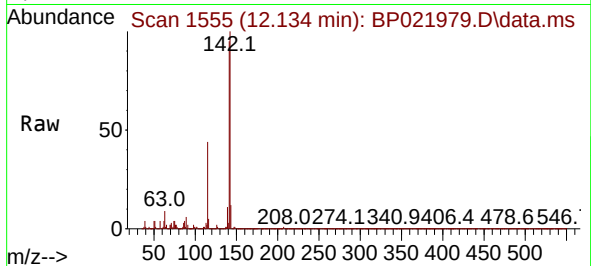
#37
2-Methylnaphthalene
Concen: 8.017 ng
RT: 12.134 min Scan# 1555
Delta R.T. -0.006 min
Lab File: BP021979.D
Acq: 23 Sep 2024 12:30

Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT2-2024

Tgt Ion:142 Resp: 12456
Ion Ratio Lower Upper
142 100
141 94.5 71.7 107.5
115 43.7 34.6 51.8

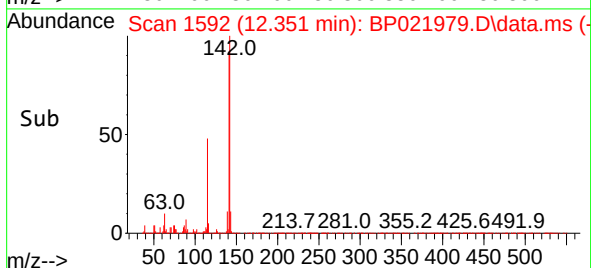
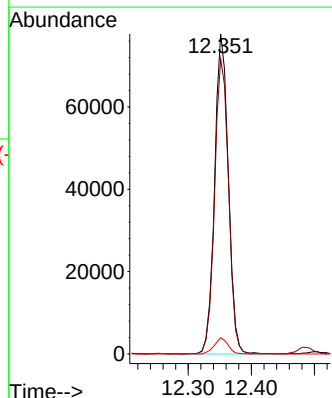
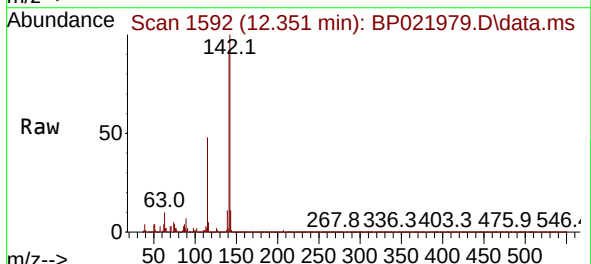
Manual Integrations
APPROVED

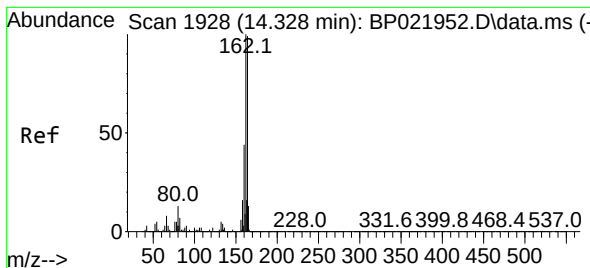
Reviewed By :Yogesh Patel 09/25/2024
Supervised By :mohammad ahmed 09/25/2024



#38
1-Methylnaphthalene
Concen: 7.638 ng
RT: 12.351 min Scan# 1592
Delta R.T. -0.006 min
Lab File: BP021979.D
Acq: 23 Sep 2024 12:30

Tgt Ion:142 Resp: 117178
Ion Ratio Lower Upper
142 100
141 92.2 74.1 111.1
116 5.1 3.8 5.8





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.322 min Scan# 1928

Delta R.T. -0.006 min

Lab File: BP021979.D

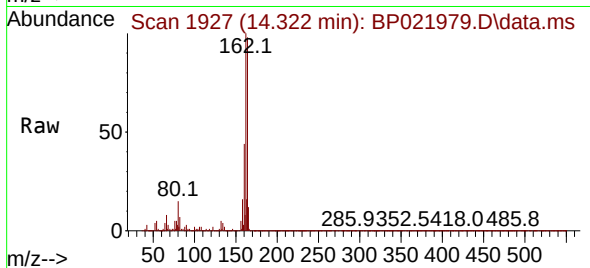
Acq: 23 Sep 2024 12:30

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT2-2024



Tgt Ion:164 Resp: 31914

Ion Ratio Lower Upper

164 100

162 101.9 81.2 121.8

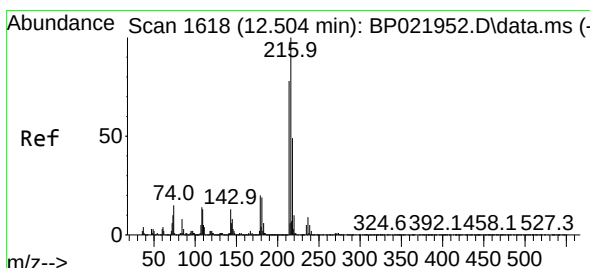
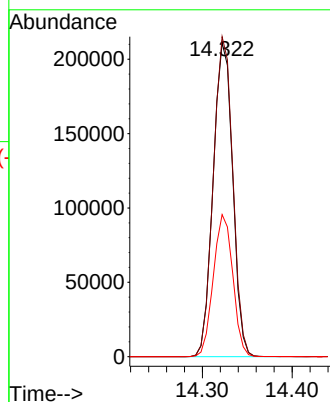
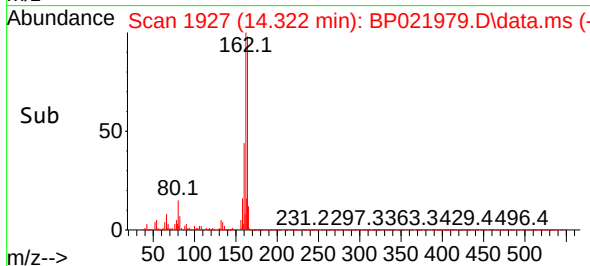
160 45.3 35.9 53.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/25/2024

Supervised By :mohammad ahmed 09/25/2024



#40

1,2,4,5-Tetrachlorobenzene

Concen: 8.229 ng

RT: 12.504 min Scan# 1618

Delta R.T. 0.000 min

Lab File: BP021979.D

Acq: 23 Sep 2024 12:30

Tgt Ion:216 Resp: 91883

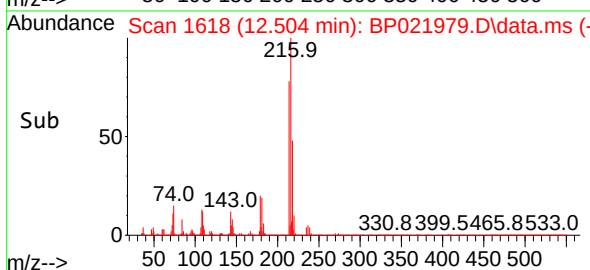
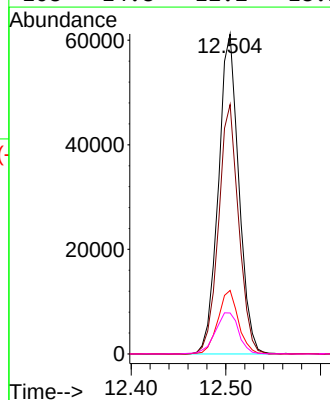
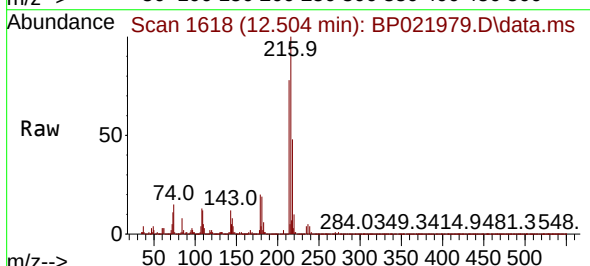
Ion Ratio Lower Upper

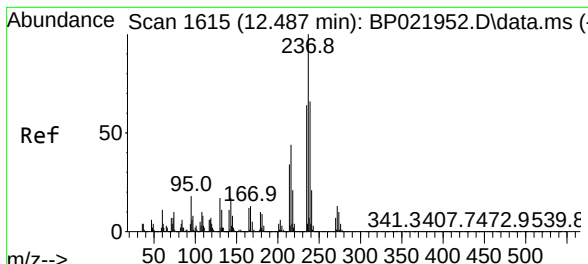
216 100

214 76.6 62.8 94.2

179 19.9 16.4 24.6

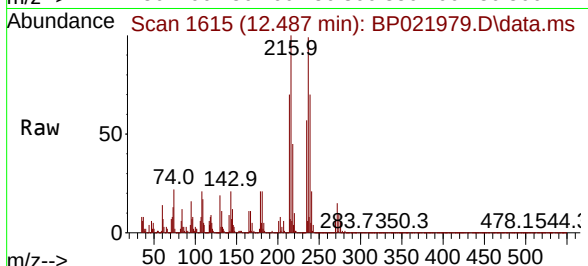
108 14.8 12.2 18.2





#41
 Hexachlorocyclopentadiene
 Concen: 6.470 ng
 RT: 12.487 min Scan# 1615
 Delta R.T. 0.000 min
 Lab File: BP021979.D
 Acq: 23 Sep 2024 12:30

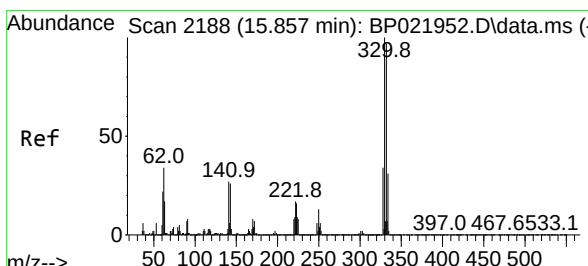
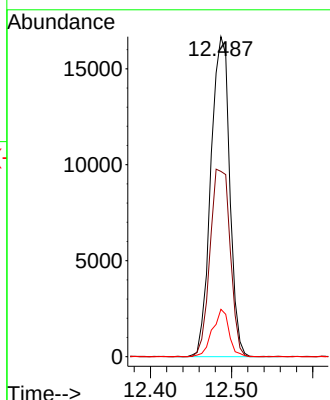
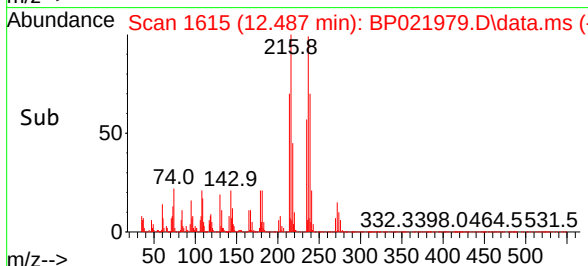
Instrument : BNA_P
 ClientSampleId : MDL-SOIL-03-QT2-2024



Tgt Ion:	237	Resp:	26840
Ion Ratio	Lower	Upper	
237	100		
235	57.9	44.1	84.1
272	14.8	0.0	33.1

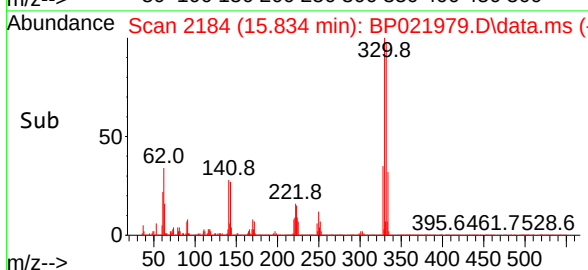
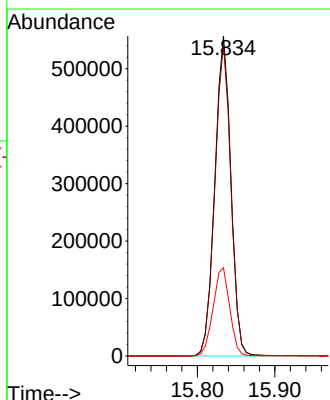
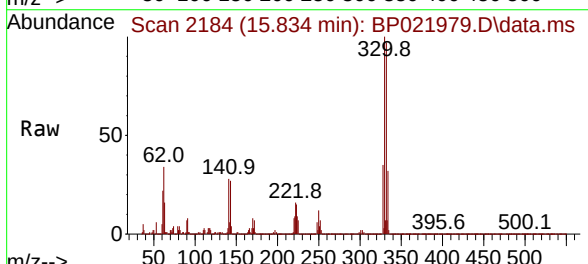
Manual Integrations
 APPROVED

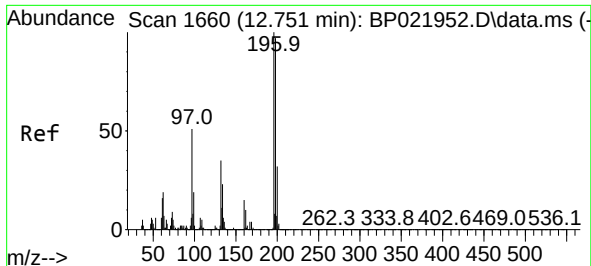
Reviewed By :Yogesh Patel 09/25/2024
 Supervised By :mohammad ahmed 09/25/2024



#42
 2,4,6-Tribromophenol
 Concen: 135.623 ng
 RT: 15.834 min Scan# 2184
 Delta R.T. -0.023 min
 Lab File: BP021979.D
 Acq: 23 Sep 2024 12:30

Tgt Ion:	330	Resp:	802420
Ion Ratio	Lower	Upper	
330	100		
332	97.4	77.5	116.3
141	28.5	23.4	35.0





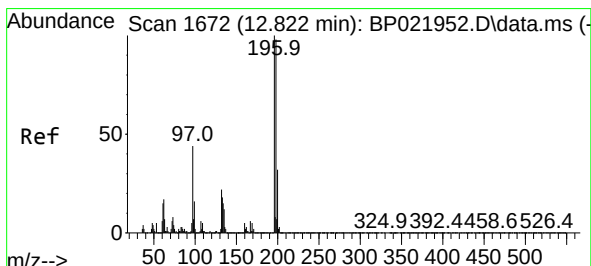
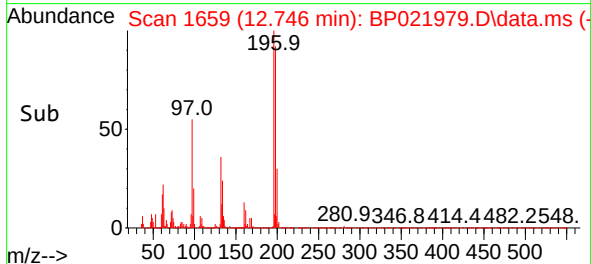
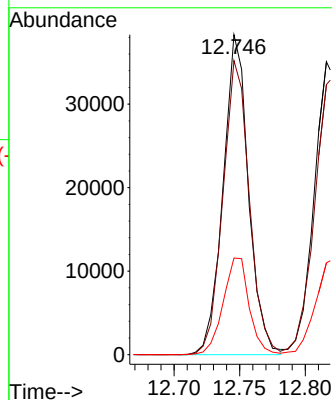
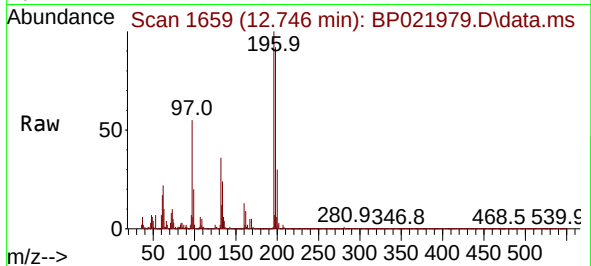
#43
2,4,6-Trichlorophenol
Concen: 7.539 ng
RT: 12.746 min Scan# 1659
Delta R.T. -0.006 min
Lab File: BP021979.D
Acq: 23 Sep 2024 12:30

Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT2-2024

Tgt Ion:196 Resp: 51668
Ion Ratio Lower Upper
196 100
198 91.9 77.6 116.4
200 30.2 25.8 38.6

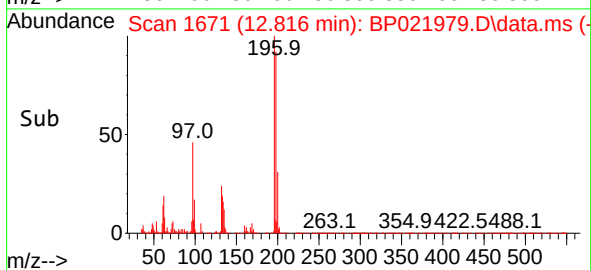
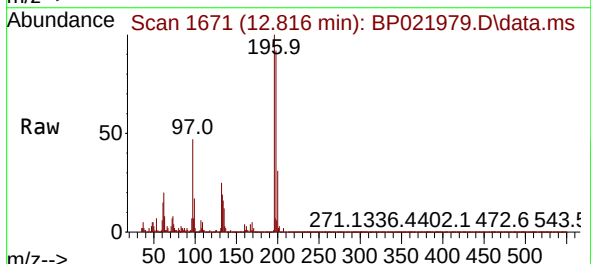
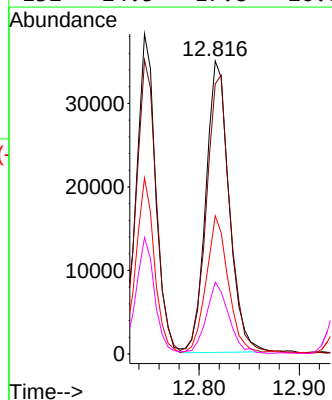
Manual Integrations
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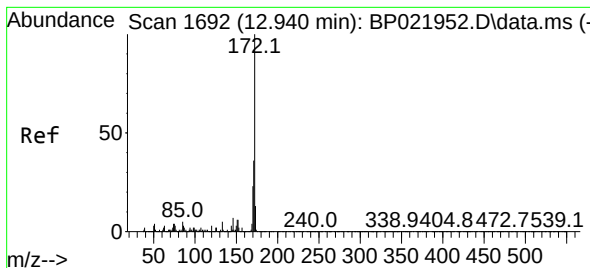
Reviewed By :Yogesh Patel 09/25/2024
Supervised By :mohammad ahmed 09/25/2024



#44
2,4,5-Trichlorophenol
Concen: 7.318 ng
RT: 12.816 min Scan# 1671
Delta R.T. -0.006 min
Lab File: BP021979.D
Acq: 23 Sep 2024 12:30

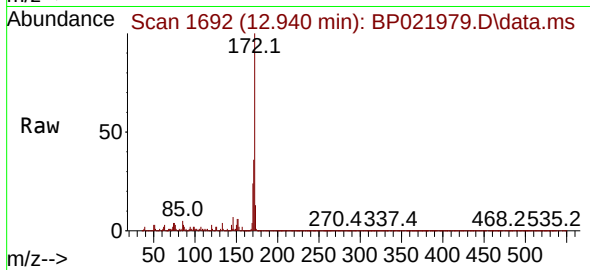
Tgt Ion:196 Resp: 56263
Ion Ratio Lower Upper
196 100
198 92.2 78.2 117.4
97 47.1 35.0 52.4
132 24.5 17.8 26.8





#45
2-Fluorobiphenyl
Concen: 88.063 ng
RT: 12.940 min Scan# 1692
Delta R.T. 0.000 min
Lab File: BP021979.D
Acq: 23 Sep 2024 12:30

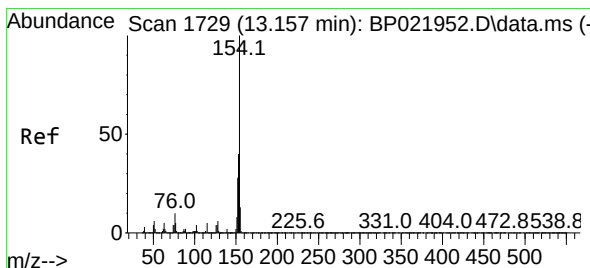
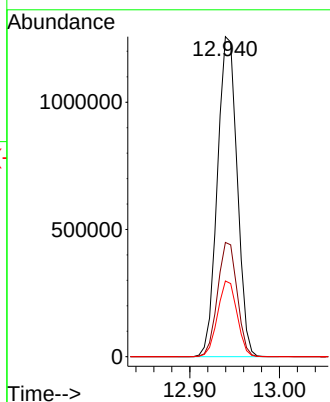
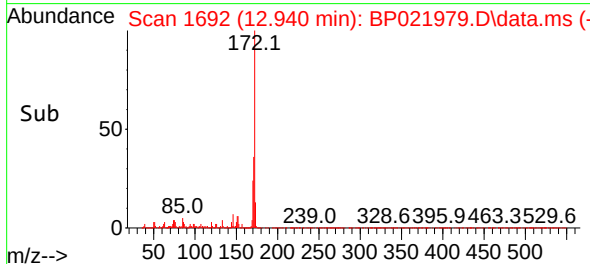
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT2-2024



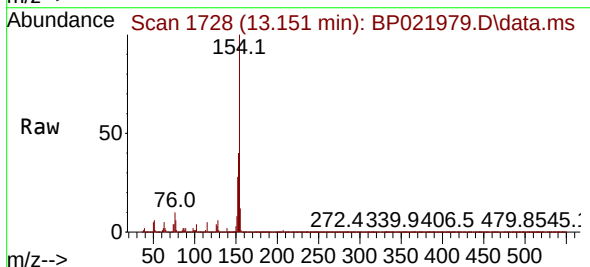
Tgt Ion:172 Resp: 1925280
Ion Ratio Lower Upper
172 100
171 35.7 28.6 43.0
170 23.7 18.8 28.2

Manual Integrations
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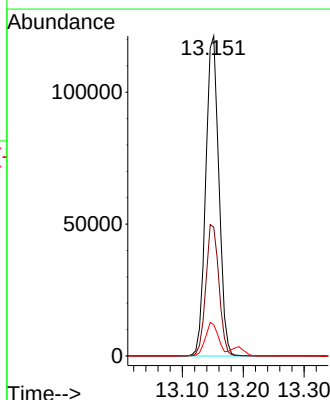
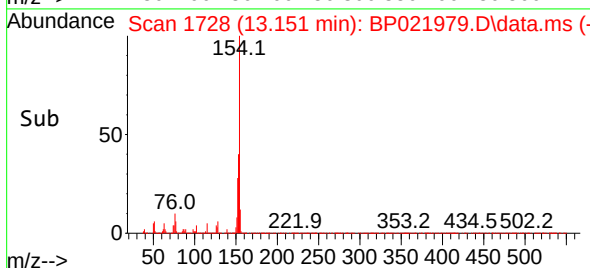
Reviewed By :Yogesh Patel 09/25/2024
Supervised By :mohammad ahmed 09/25/2024

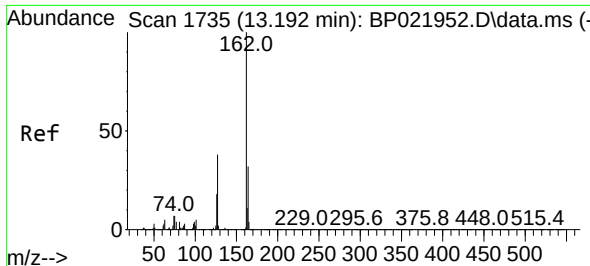


#46
1,1'-Biphenyl
Concen: 8.372 ng
RT: 13.151 min Scan# 1728
Delta R.T. -0.006 min
Lab File: BP021979.D
Acq: 23 Sep 2024 12:30



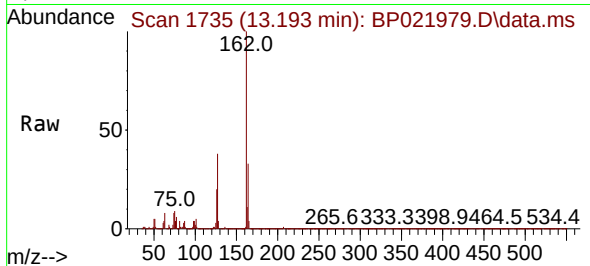
Tgt Ion:154 Resp: 182169
Ion Ratio Lower Upper
154 100
153 40.3 20.2 60.2
76 9.8 0.0 29.9





#47
2-Chloronaphthalene
Concen: 8.002 ng
RT: 13.193 min Scan# 1735
Delta R.T. 0.000 min
Lab File: BP021979.D
Acq: 23 Sep 2024 12:30

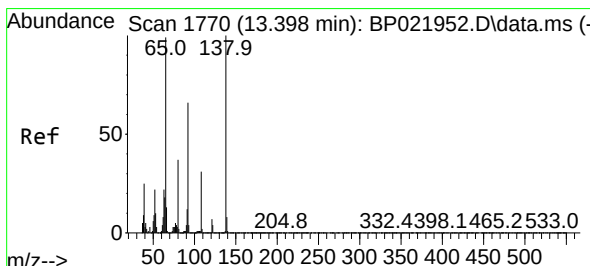
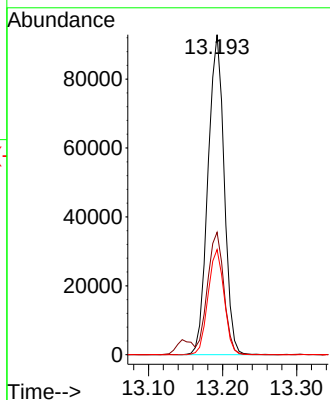
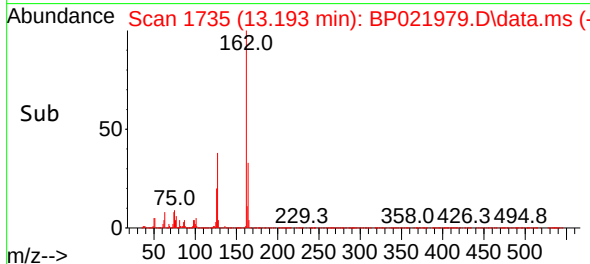
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT2-2024



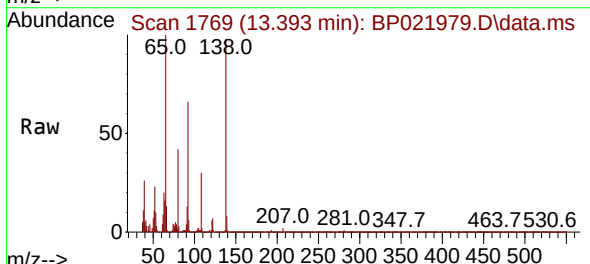
Tgt Ion:162 Resp: 140788
Ion Ratio Lower Upper
162 100
127 38.2 31.7 47.5
164 32.9 25.9 38.9

Manual Integrations
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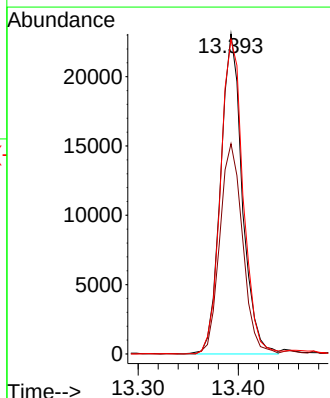
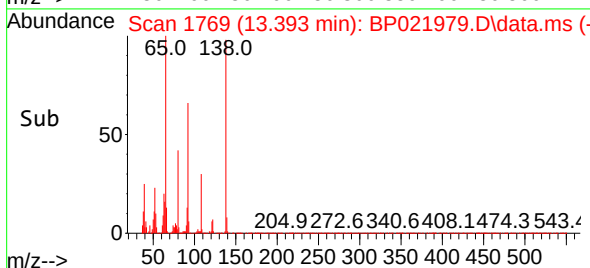
Reviewed By :Yogesh Patel 09/25/2024
Supervised By :mohammad ahmed 09/25/2024

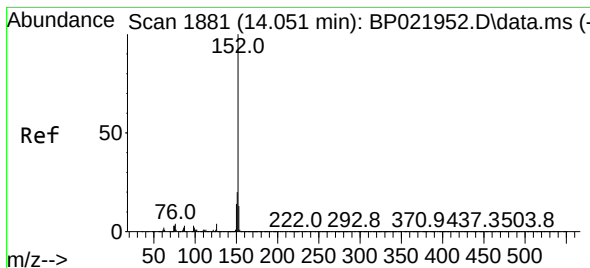


#48
2-Nitroaniline
Concen: 7.218 ng
RT: 13.393 min Scan# 1769
Delta R.T. -0.006 min
Lab File: BP021979.D
Acq: 23 Sep 2024 12:30



Tgt Ion: 65 Resp: 34680
Ion Ratio Lower Upper
65 100
92 65.7 53.2 79.8
138 98.3 81.1 121.7





#49

Acenaphthylene

Concen: 8.678 ng

RT: 14.040 min Scan# 1879

Delta R.T. -0.012 min

Lab File: BP021979.D

Acq: 23 Sep 2024 12:30

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT2-2024

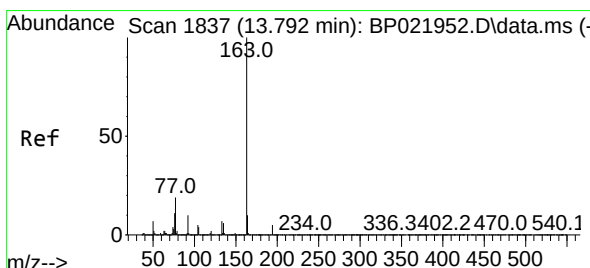
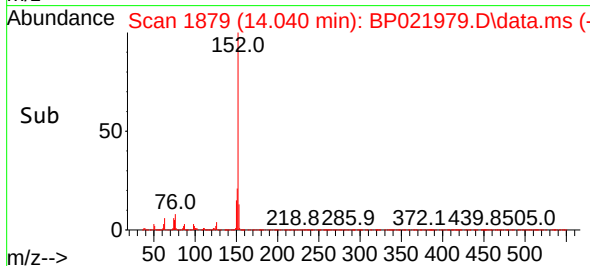
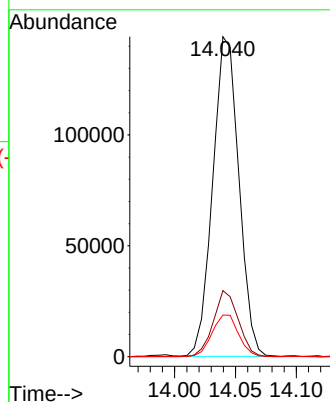
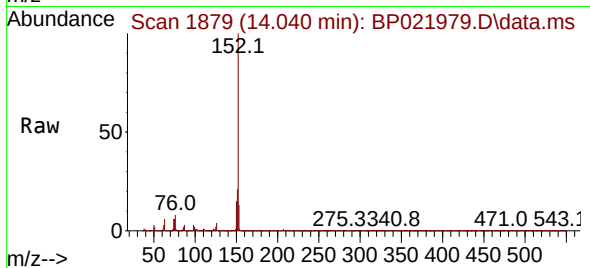
Tgt Ion:	152	Resp:	21545
Ion Ratio	Lower	Upper	
152	100		
151	20.6	16.0	24.0
153	13.0	10.8	16.2

Manual Integrations

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Reviewed By :Yogesh Patel 09/25/2024

Supervised By :mohammad ahmed 09/25/2024



#50

Dimethylphthalate

Concen: 8.113 ng

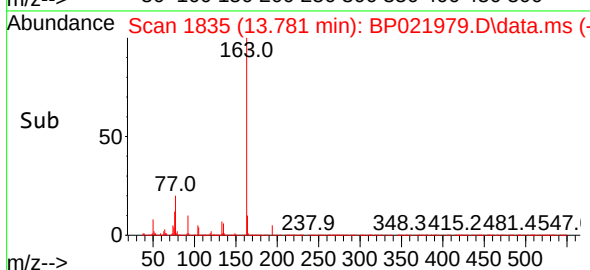
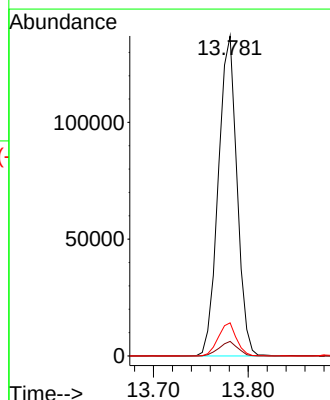
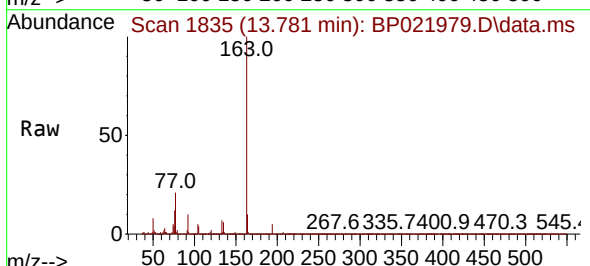
RT: 13.781 min Scan# 1835

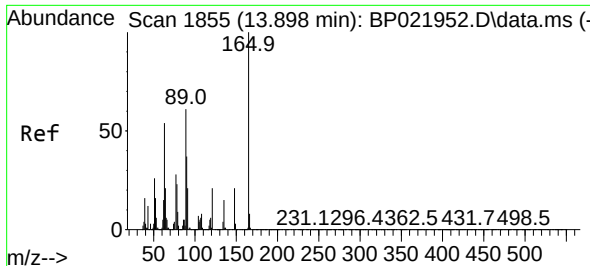
Delta R.T. -0.012 min

Lab File: BP021979.D

Acq: 23 Sep 2024 12:30

Tgt Ion:	163	Resp:	187786
Ion Ratio	Lower	Upper	
163	100		
194	4.5	3.6	5.4
164	10.4	8.0	12.0





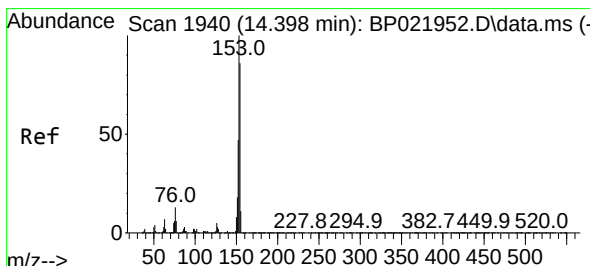
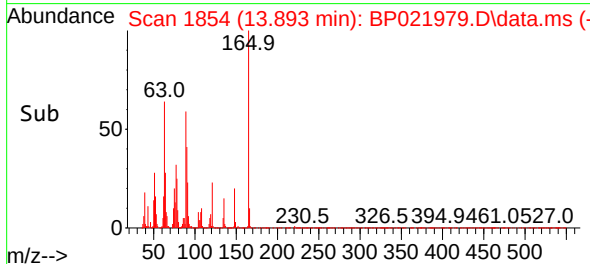
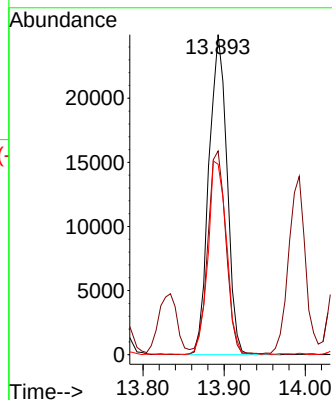
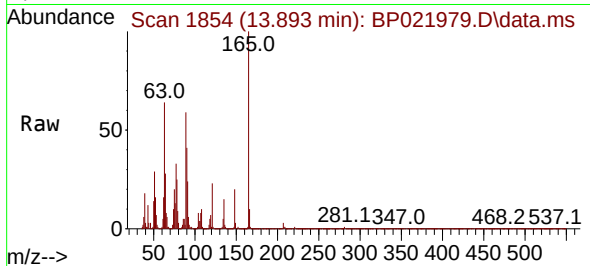
#51
2,6-Dinitrotoluene
Concen: 7.485 ng
RT: 13.893 min Scan# 1854
Delta R.T. -0.006 min
Lab File: BP021979.D
Acq: 23 Sep 2024 12:30

Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT2-2024

Tgt Ion:165 Resp: 3860
Ion Ratio Lower Upper
165 100
63 63.7 46.4 69.6
89 59.5 48.5 72.7

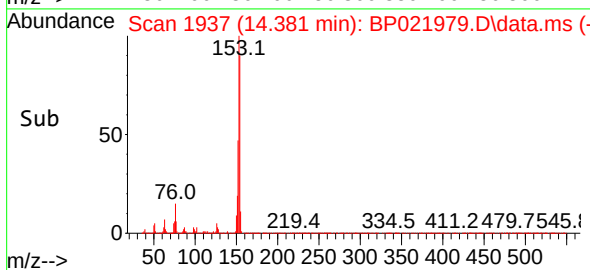
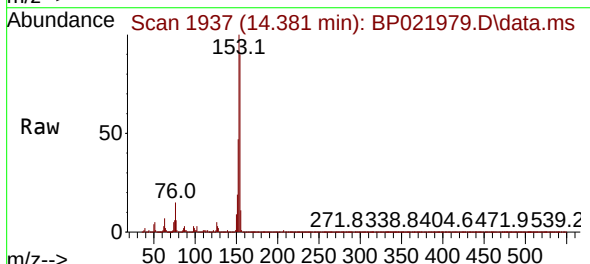
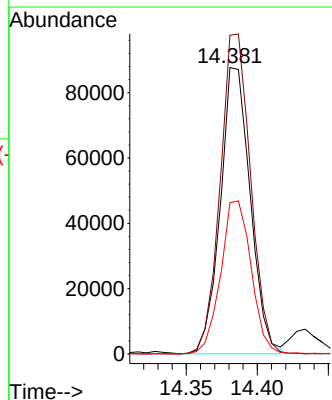
Manual Integrations
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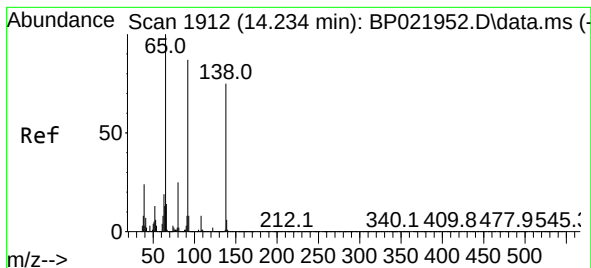
Reviewed By :Yogesh Patel 09/25/2024
Supervised By :mohammad ahmed 09/25/2024



#52
Acenaphthene
Concen: 7.958 ng
RT: 14.381 min Scan# 1937
Delta R.T. -0.018 min
Lab File: BP021979.D
Acq: 23 Sep 2024 12:30

Tgt Ion:154 Resp: 128584
Ion Ratio Lower Upper
154 100
153 111.3 92.7 139.1
152 52.8 43.6 65.4





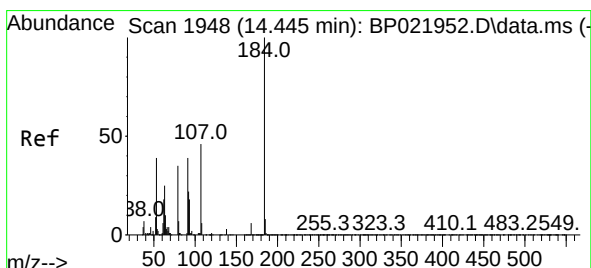
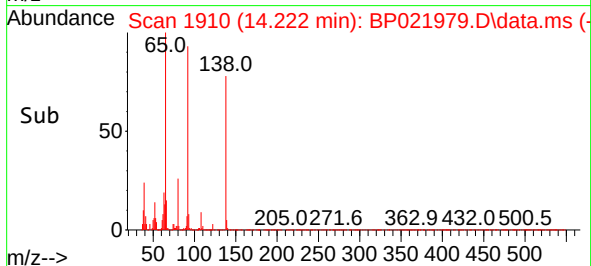
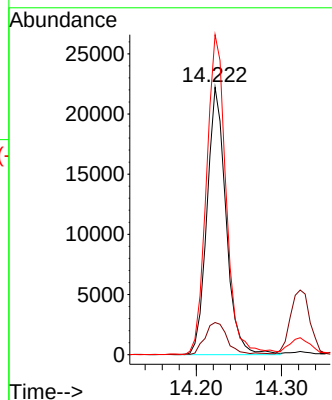
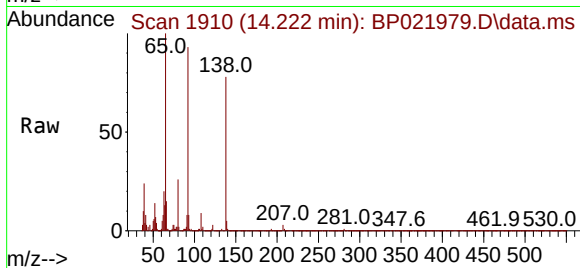
#53
3-Nitroaniline
Concen: 7.492 ng
RT: 14.222 min Scan# 1910
Delta R.T. -0.012 min
Lab File: BP021979.D
Acq: 23 Sep 2024 12:30

Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT2-2024

Tgt Ion:138 Resp: 3444
Ion Ratio Lower Upper
138 100
108 12.1 9.0 13.4
92 119.7 92.8 139.2

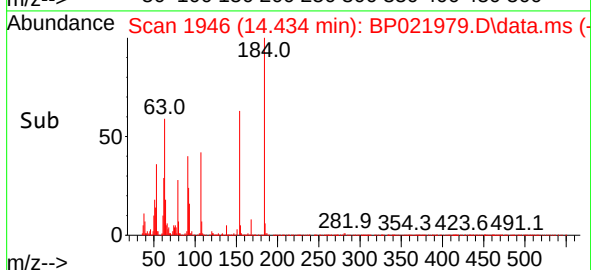
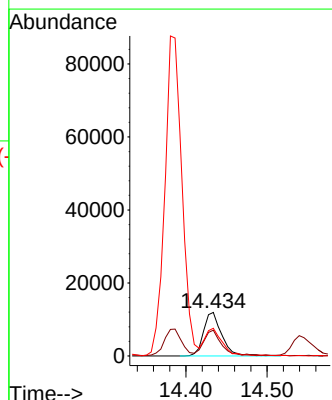
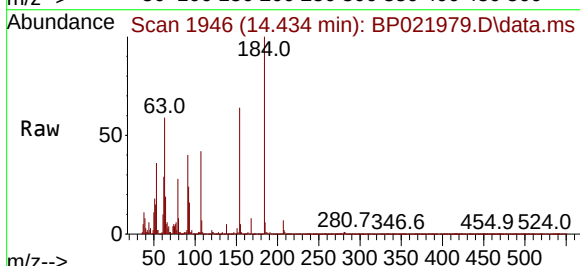
Manual Integrations
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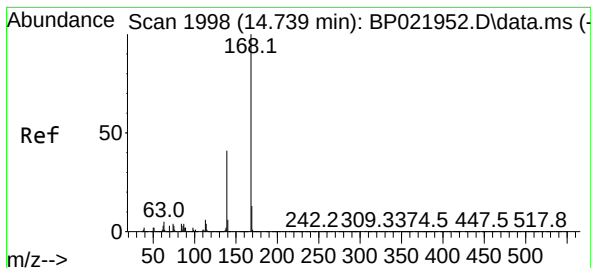
Reviewed By :Yogesh Patel 09/25/2024
Supervised By :mohammad ahmed 09/25/2024



#54
2,4-Dinitrophenol
Concen: 6.167 ng
RT: 14.434 min Scan# 1946
Delta R.T. -0.012 min
Lab File: BP021979.D
Acq: 23 Sep 2024 12:30

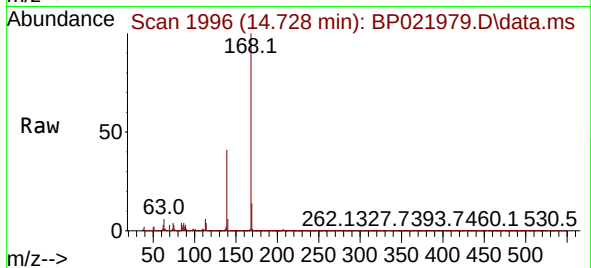
Tgt Ion:184 Resp: 18638
Ion Ratio Lower Upper
184 100
63 59.2 49.0 73.6
154 63.6 58.1 87.1





#55
Dibenzofuran
Concen: 8.457 ng
RT: 14.728 min Scan# 1996
Delta R.T. -0.012 min
Lab File: BP021979.D
Acq: 23 Sep 2024 12:30

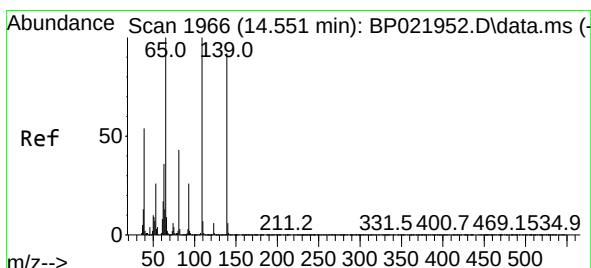
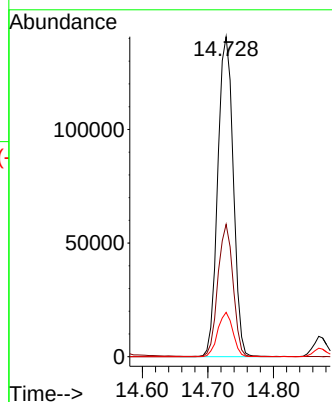
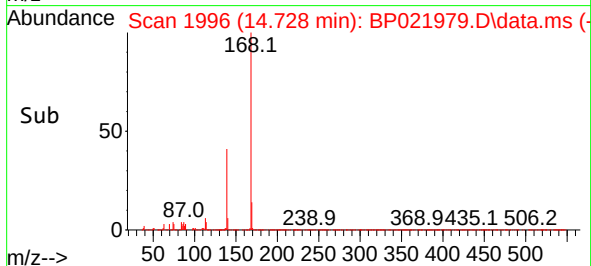
Instrument : BNA_P
ClientSampleId : MDL-SOIL-03-QT2-2024



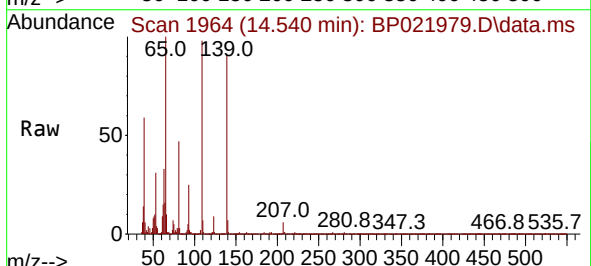
Tgt Ion:168 Resp: 22968
Ion Ratio Lower Upper
168 100
139 41.4 33.0 49.4
169 13.9 10.7 16.1

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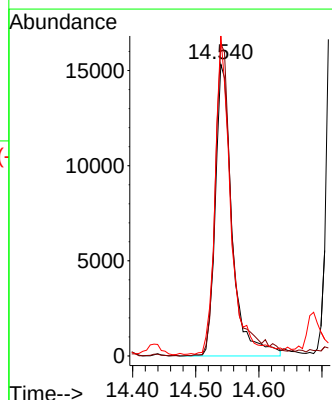
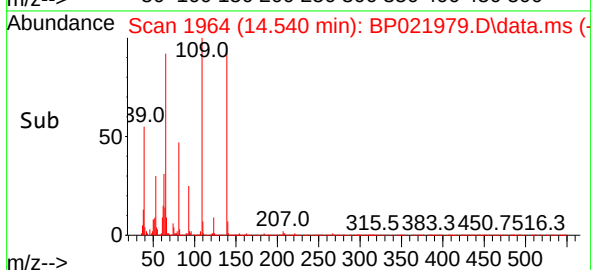
Reviewed By :Yogesh Patel 09/25/2024
Supervised By :mohammad ahmed 09/25/2024

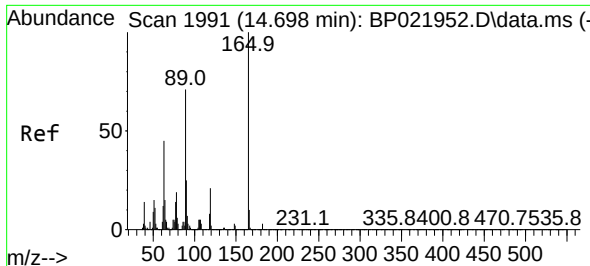


#56
4-Nitrophenol
Concen: 7.043 ng
RT: 14.540 min Scan# 1964
Delta R.T. -0.012 min
Lab File: BP021979.D
Acq: 23 Sep 2024 12:30



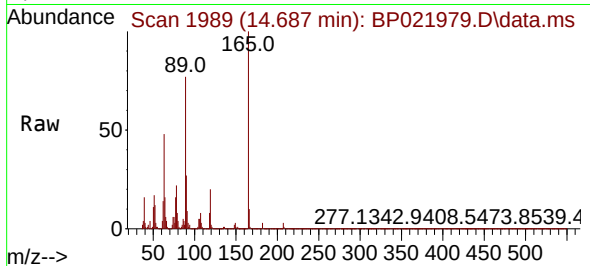
Tgt Ion:139 Resp: 28179
Ion Ratio Lower Upper
139 100
109 107.2 88.6 128.6
65 109.7 88.7 128.7





#57
2,4-Dinitrotoluene
Concen: 6.877 ng
RT: 14.687 min Scan# 1991
Delta R.T. -0.012 min
Lab File: BP021979.D
Acq: 23 Sep 2024 12:30

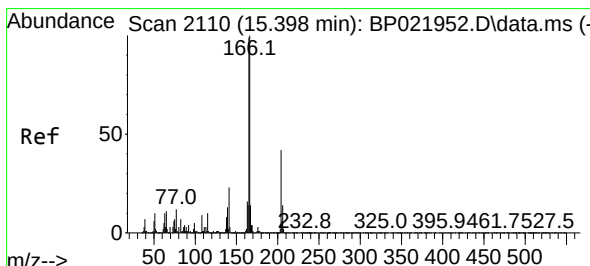
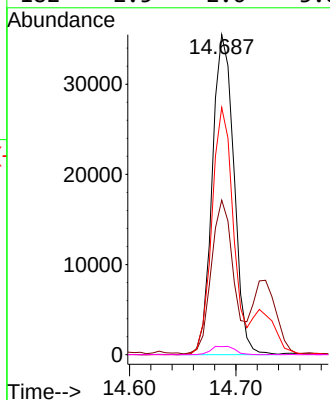
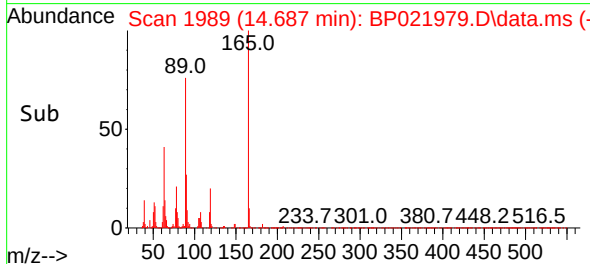
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT2-2024



Tgt Ion:165 Resp: 5014
Ion Ratio Lower Upper
165 100
63 48.3 36.3 54.5
89 77.2 57.2 85.8
182 2.5 2.6 3.8#

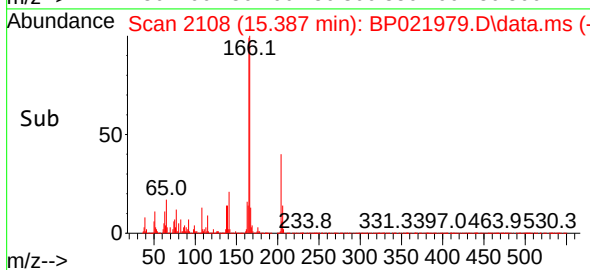
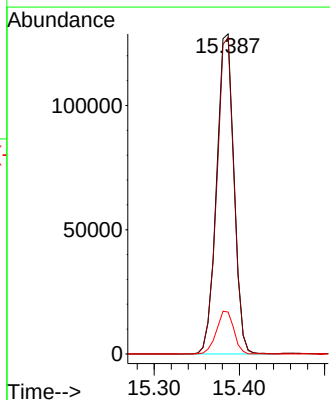
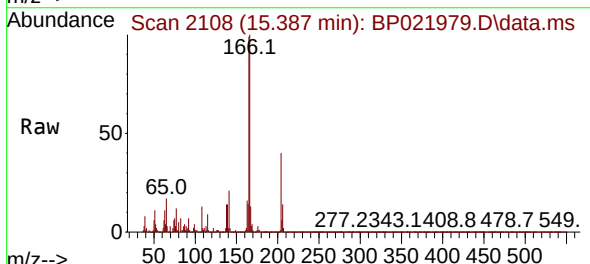
Manual Integrations
APPROVED

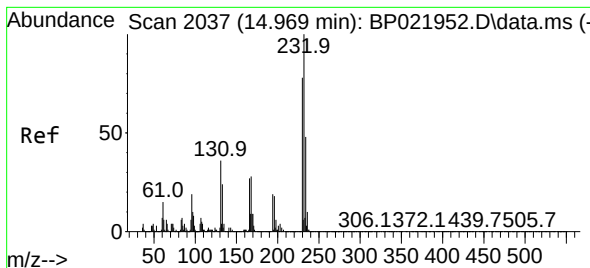
Reviewed By :Yogesh Patel 09/25/2024
Supervised By :mohammad ahmed 09/25/2024



#58
Fluorene
Concen: 8.045 ng
RT: 15.387 min Scan# 2108
Delta R.T. -0.012 min
Lab File: BP021979.D
Acq: 23 Sep 2024 12:30

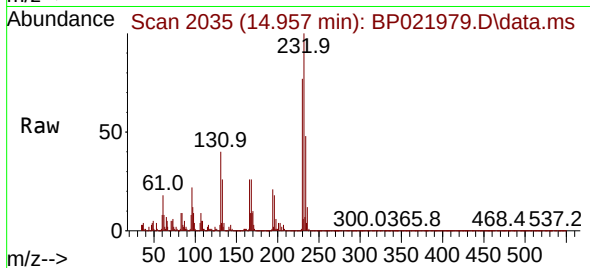
Tgt Ion:166 Resp: 182464
Ion Ratio Lower Upper
166 100
165 98.9 79.4 119.2
167 13.1 10.9 16.3





#59
2,3,4,6-Tetrachlorophenol
Concen: 7.735 ng
RT: 14.957 min Scan# 2035
Delta R.T. -0.012 min
Lab File: BP021979.D
Acq: 23 Sep 2024 12:30

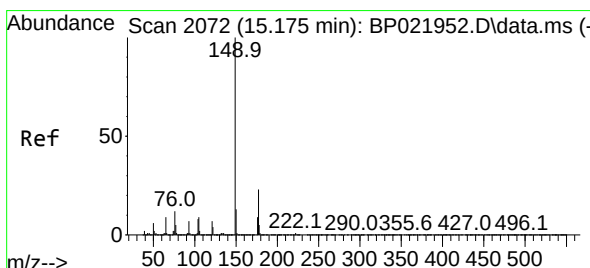
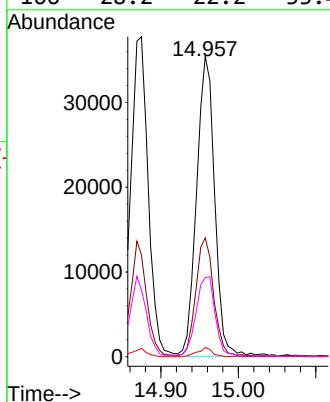
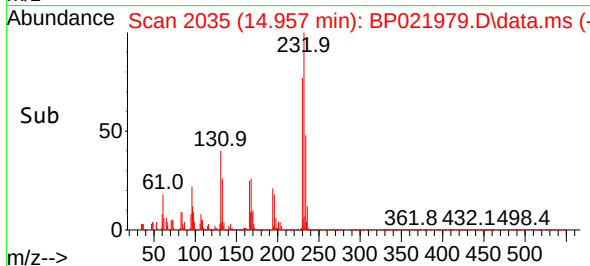
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT2-2024



Tgt Ion:232 Resp: 57391
Ion Ratio Lower Upper
232 100
131 38.9 30.2 45.4
130 2.4 1.9 2.9
166 28.2 22.2 33.4

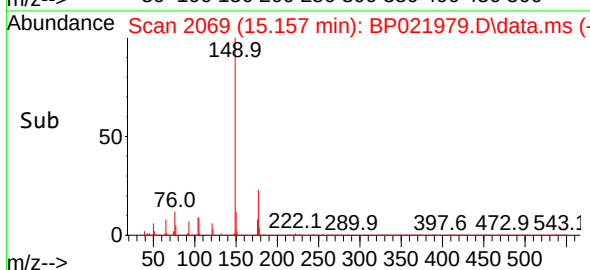
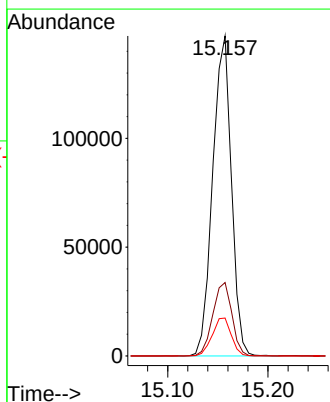
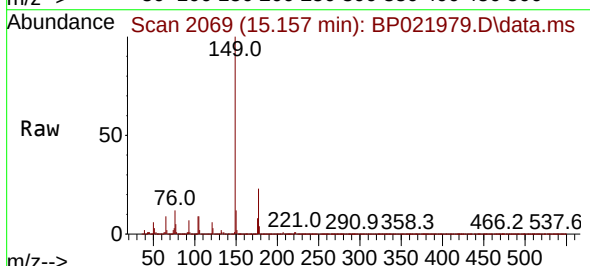
Manual Integrations
APPROVED

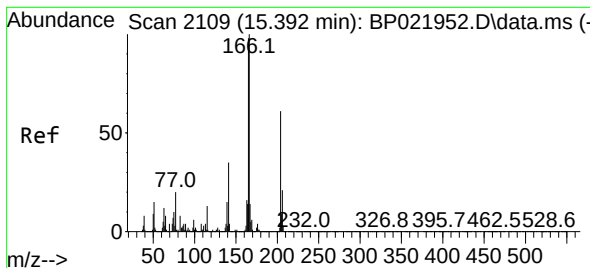
Reviewed By :Yogesh Patel 09/25/2024
Supervised By :mohammad ahmed 09/25/2024



#60
Diethylphthalate
Concen: 8.071 ng
RT: 15.157 min Scan# 2069
Delta R.T. -0.018 min
Lab File: BP021979.D
Acq: 23 Sep 2024 12:30

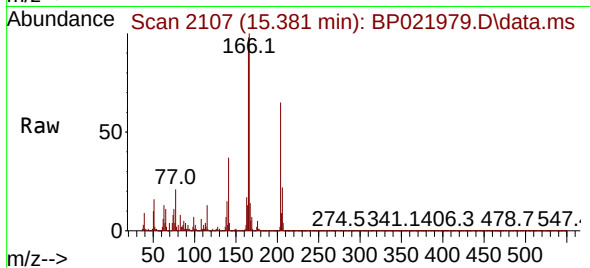
Tgt Ion:149 Resp: 189840
Ion Ratio Lower Upper
149 100
177 22.9 18.2 27.4
150 11.9 10.1 15.1





#61
4-Chlorophenyl-phenylether
Concen: 8.034 ng
RT: 15.381 min Scan# 2107
Delta R.T. -0.012 min
Lab File: BP021979.D
Acq: 23 Sep 2024 12:30

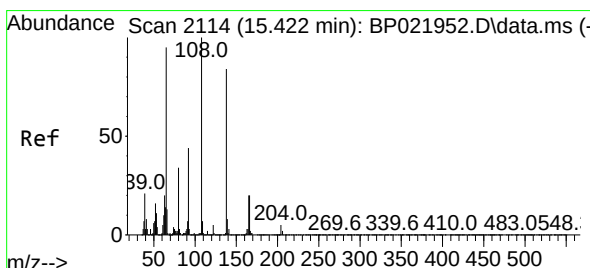
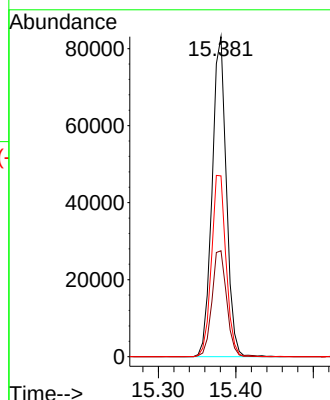
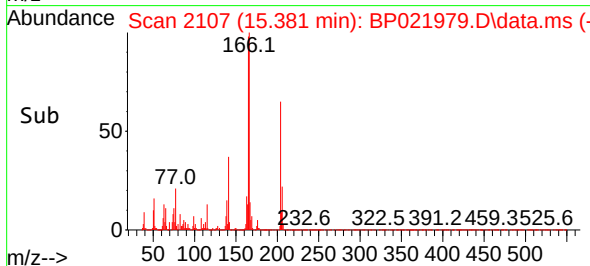
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT2-2024



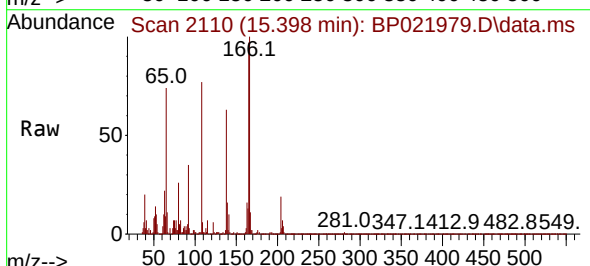
Tgt Ion:204 Resp: 106080
Ion Ratio Lower Upper
204 100
206 33.1 27.3 40.9
141 56.5 45.7 68.5

Manual Integrations
APPROVED

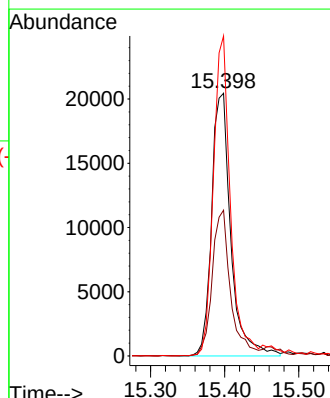
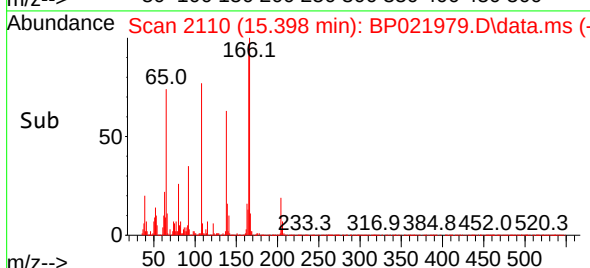
Reviewed By :Yogesh Patel 09/25/2024
Supervised By :mohammad ahmed 09/25/2024

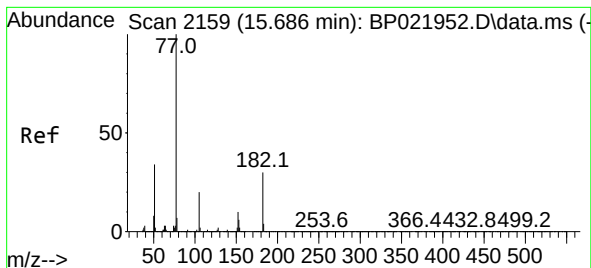


#62
4-Nitroaniline
Concen: 7.260 ng
RT: 15.398 min Scan# 2110
Delta R.T. -0.023 min
Lab File: BP021979.D
Acq: 23 Sep 2024 12:30



Tgt Ion:138 Resp: 36695
Ion Ratio Lower Upper
138 100
92 55.5 32.6 72.6
108 121.8 98.6 138.6





#63

Azobenzene

Concen: 8.580 ng

RT: 15.681 min Scan# 2159

Delta R.T. -0.006 min

Lab File: BP021979.D

Acq: 23 Sep 2024 12:30

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT2-2024

Tgt Ion: 77 Resp: 167004

Ion Ratio Lower Upper

77 100

182 29.7 9.6 49.6

105 19.5 0.0 39.8

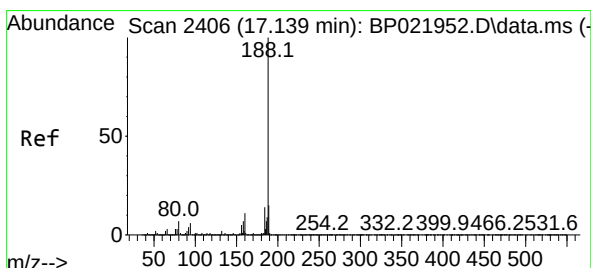
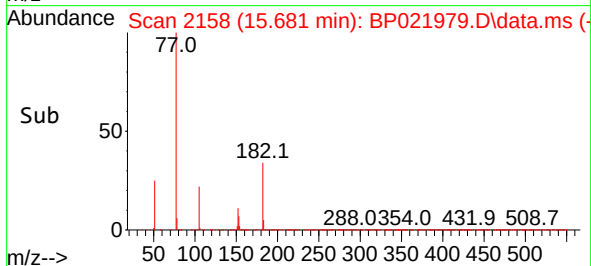
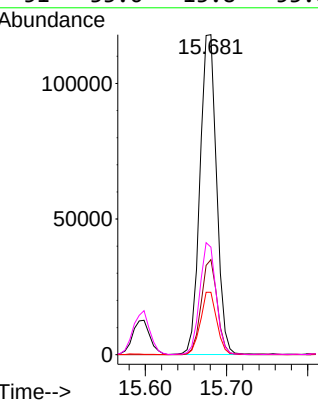
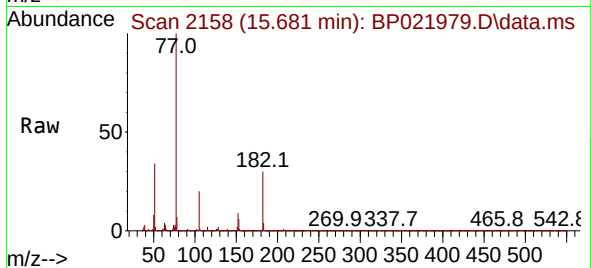
51 33.6 13.8 53.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/25/2024

Supervised By :mohammad ahmed 09/25/2024



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.116 min Scan# 2402

Delta R.T. -0.023 min

Lab File: BP021979.D

Acq: 23 Sep 2024 12:30

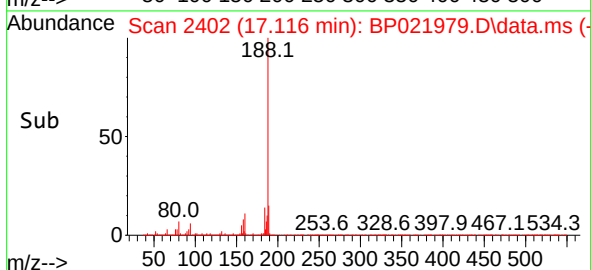
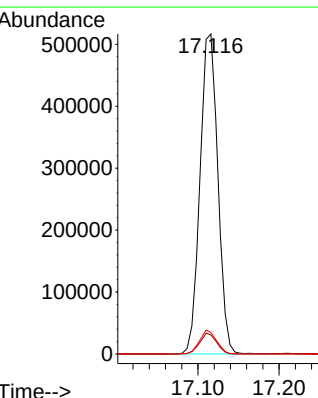
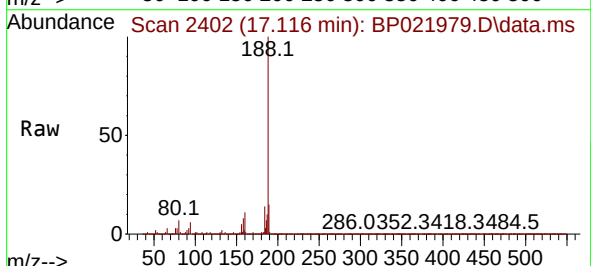
Tgt Ion:188 Resp: 788764

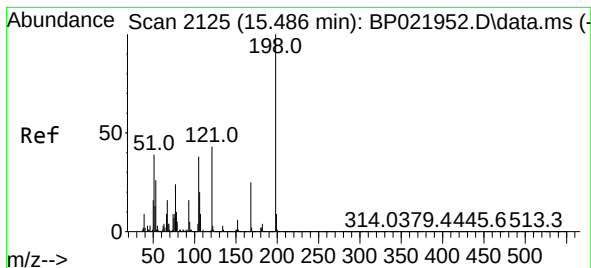
Ion Ratio Lower Upper

188 100

94 6.0 4.6 6.8

80 6.7 5.4 8.2





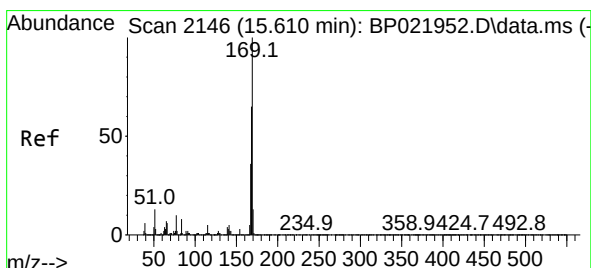
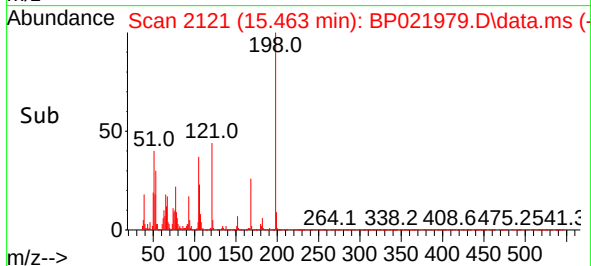
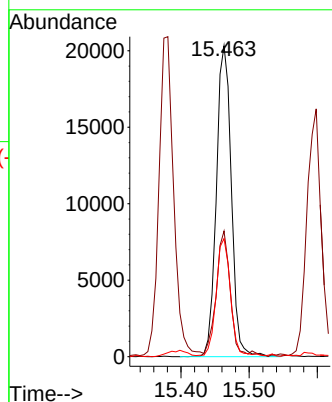
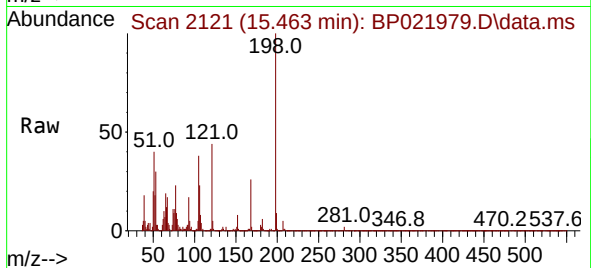
#65
4,6-Dinitro-2-methylphenol
Concen: 6.780 ng
RT: 15.463 min Scan# 2121
Delta R.T. -0.023 min
Lab File: BP021979.D
Acq: 23 Sep 2024 12:30

Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT2-2024

Tgt Ion:198 Resp: 30998
Ion Ratio Lower Upper
198 100
51 40.4 20.7 60.7
105 38.0 18.4 58.4

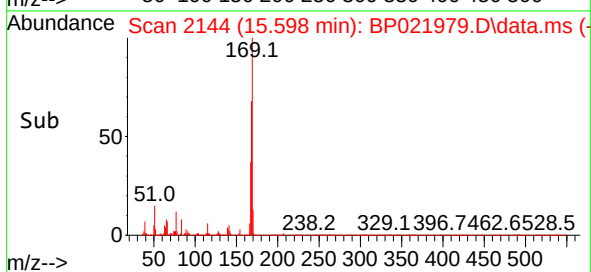
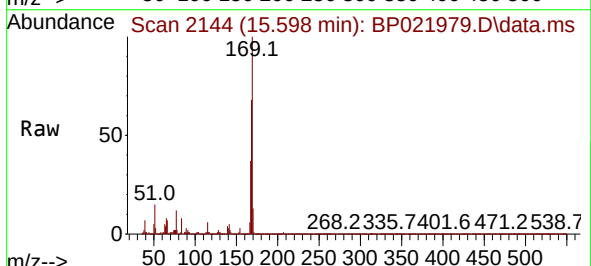
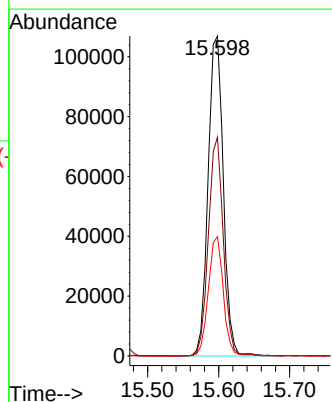
Manual Integrations
APPROVED

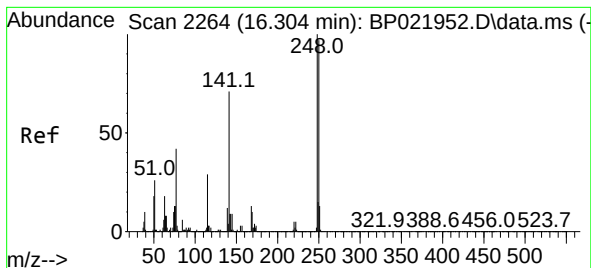
Reviewed By :Yogesh Patel 09/25/2024
Supervised By :mohammad ahmed 09/25/2024



#66
n-Nitrosodiphenylamine
Concen: 8.106 ng
RT: 15.598 min Scan# 2144
Delta R.T. -0.012 min
Lab File: BP021979.D
Acq: 23 Sep 2024 12:30

Tgt Ion:169 Resp: 159204
Ion Ratio Lower Upper
169 100
168 68.4 52.2 78.4
167 37.3 28.6 42.8





#67

4-Bromophenyl-phenylether

Concen: 7.819 ng

RT: 16.292 min Scan# 21

Delta R.T. -0.012 min

Lab File: BP021979.D

Acq: 23 Sep 2024 12:30

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT2-2024

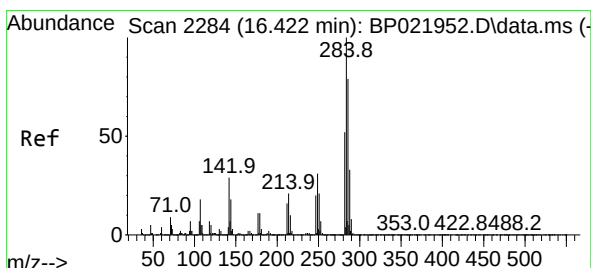
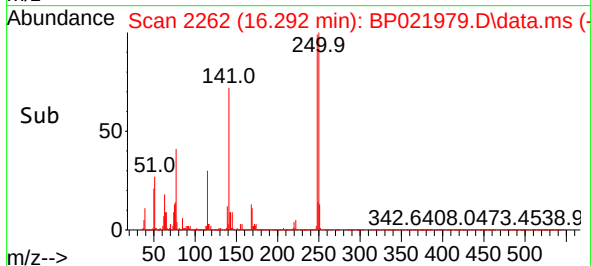
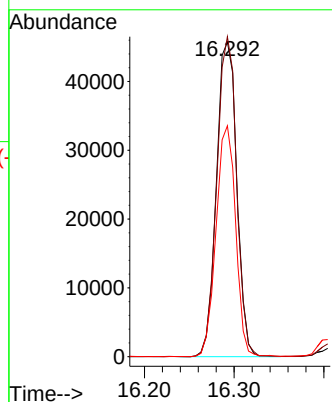
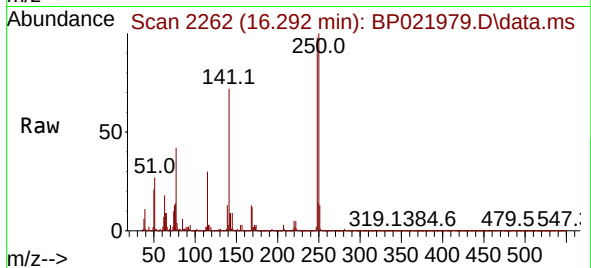
Tgt Ion:248	Resp: 71890
Ion Ratio	Lower Upper
248 100	
250 101.7	77.5 116.3
141 73.4	56.5 84.7

Manual Integrations

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Reviewed By :Yogesh Patel 09/25/2024

Supervised By :mohammad ahmed 09/25/2024



#68

Hexachlorobenzene

Concen: 7.872 ng

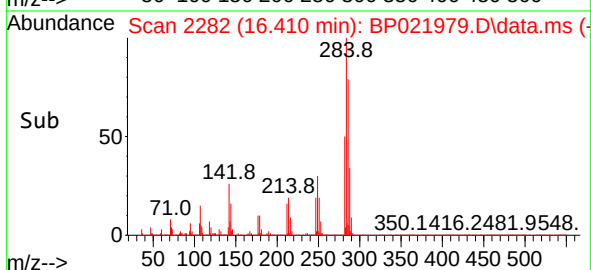
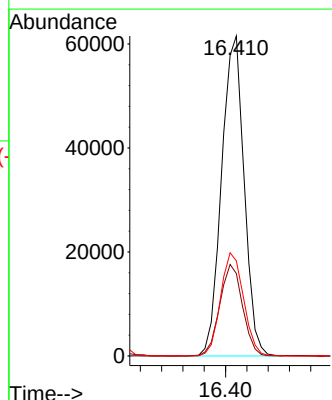
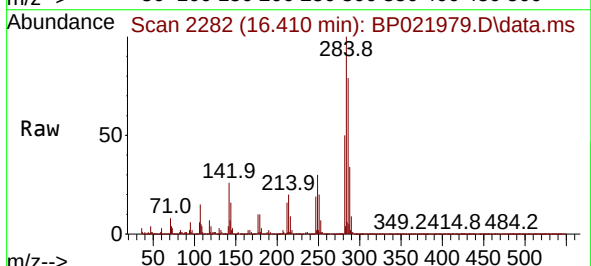
RT: 16.410 min Scan# 2282

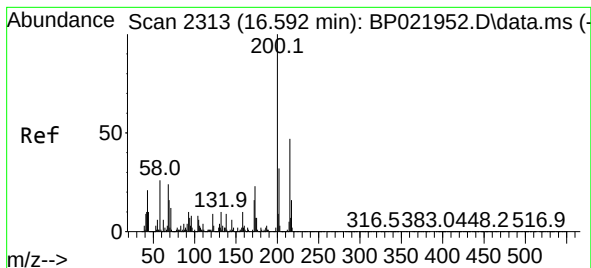
Delta R.T. -0.012 min

Lab File: BP021979.D

Acq: 23 Sep 2024 12:30

Tgt Ion:284	Resp: 90246
Ion Ratio	Lower Upper
284 100	
142 25.7	22.9 34.3
249 29.7	25.2 37.8





#69

Atrazine

Concen: 9.761 ng

RT: 16.569 min Scan# 21

Delta R.T. -0.023 min

Lab File: BP021979.D

Acq: 23 Sep 2024 12:30

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT2-2024

Tgt Ion:200 Resp: 6868

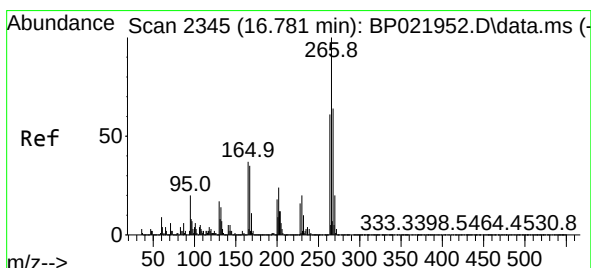
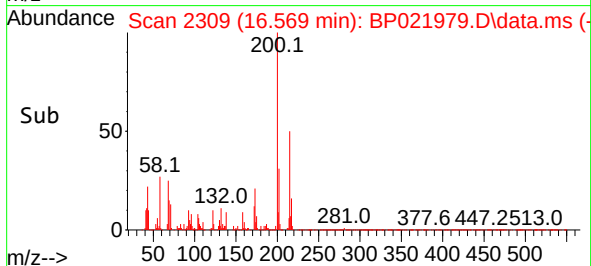
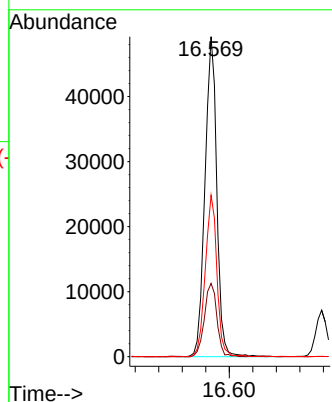
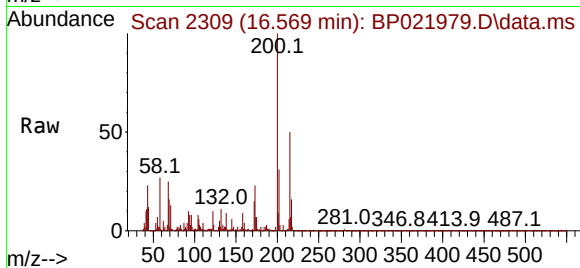
Ion	Ratio	Lower	Upper
200	100		
173	22.9	3.0	43.0
215	50.4	27.4	67.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/25/2024

Supervised By :mohammad ahmed 09/25/2024



#70

Pentachlorophenol

Concen: 6.735 ng

RT: 16.757 min Scan# 2341

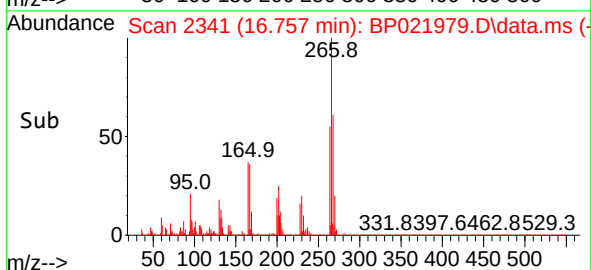
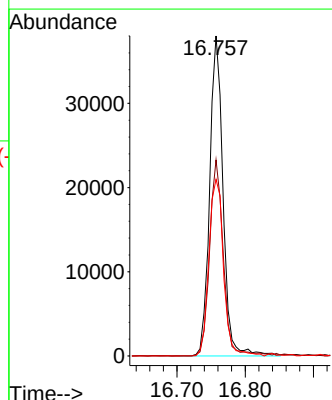
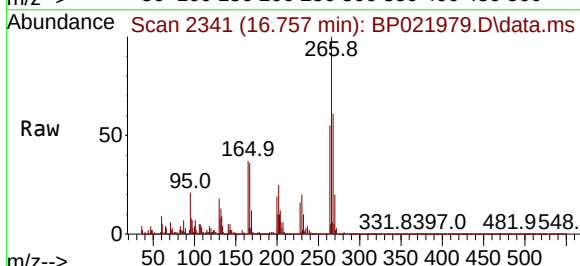
Delta R.T. -0.023 min

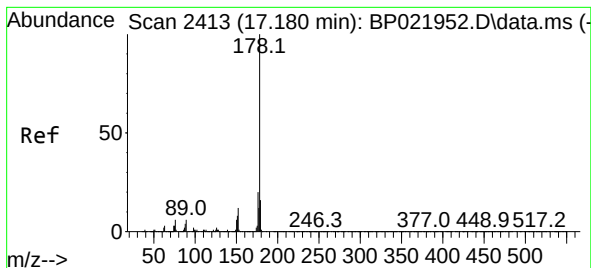
Lab File: BP021979.D

Acq: 23 Sep 2024 12:30

Tgt Ion:266 Resp: 51944

Ion	Ratio	Lower	Upper
266	100		
268	61.3	51.1	76.7
264	55.2	48.6	72.8





#71

Phenanthrene

Concen: 8.308 ng

RT: 17.151 min Scan# 2413

Delta R.T. -0.029 min

Lab File: BP021979.D

Acq: 23 Sep 2024 12:30

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT2-2024

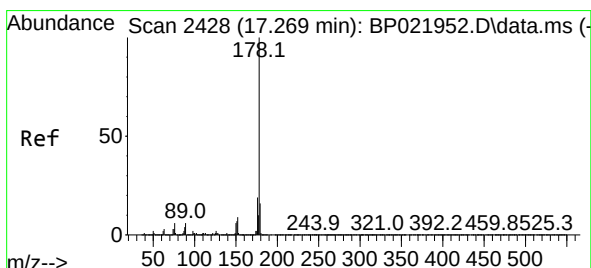
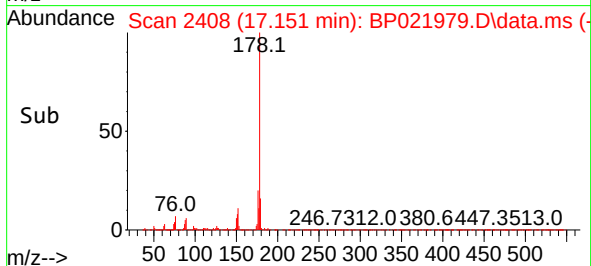
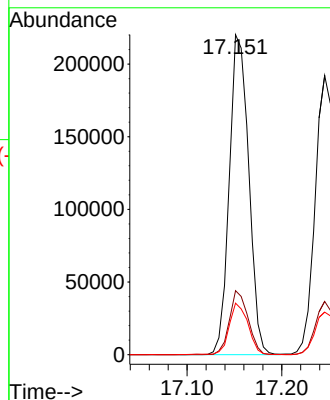
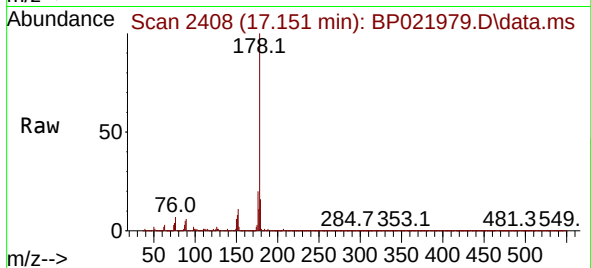
Tgt Ion:178 Resp: 314579
 Ion Ratio Lower Upper
 178 100
 176 20.0 15.9 23.9
 179 16.1 12.5 18.7

Manual Integrations

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Reviewed By :Yogesh Patel 09/25/2024

Supervised By :mohammad ahmed 09/25/2024



#72

Anthracene

Concen: 8.045 ng

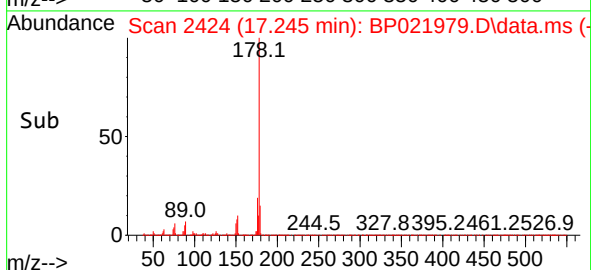
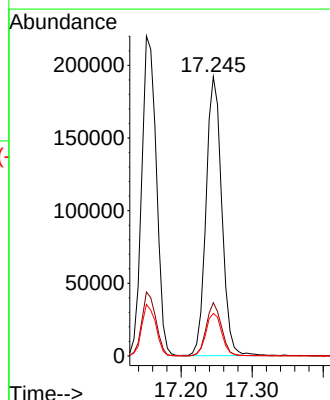
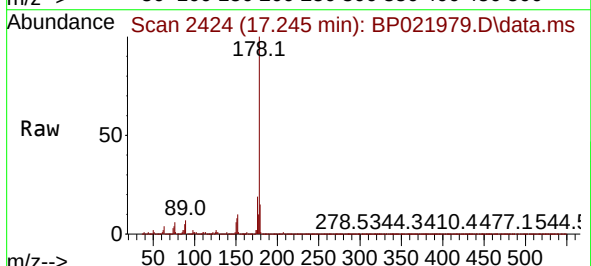
RT: 17.245 min Scan# 2424

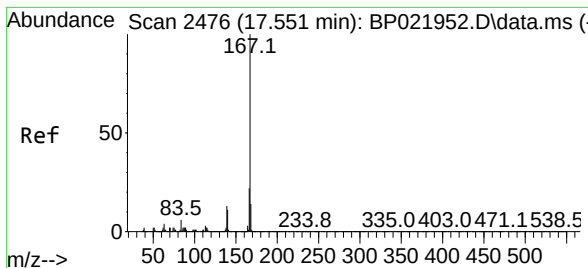
Delta R.T. -0.023 min

Lab File: BP021979.D

Acq: 23 Sep 2024 12:30

Tgt Ion:178 Resp: 294870
 Ion Ratio Lower Upper
 178 100
 176 19.1 15.0 22.6
 179 15.2 12.6 18.8





#73

Carbazole

Concen: 8.026 ng

RT: 17.528 min Scan# 2476

Delta R.T. -0.023 min

Lab File: BP021979.D

Acq: 23 Sep 2024 12:30

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT2-2024

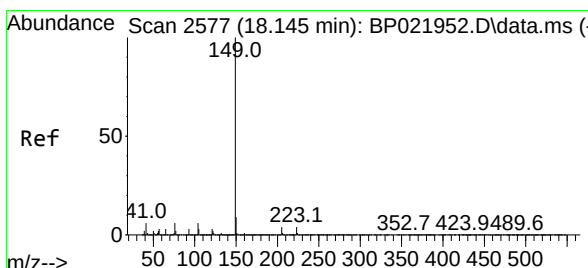
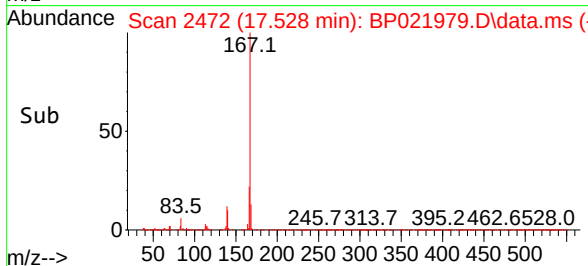
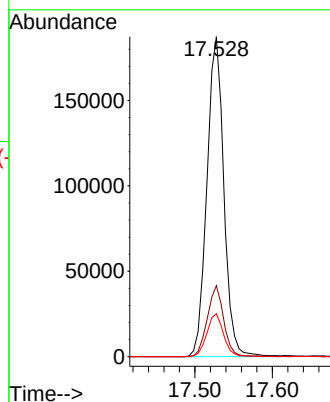
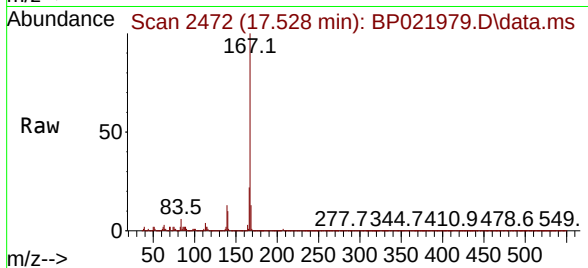
Tgt Ion	Ratio	Lower	Upper
167	100		
166	22.2	17.4	26.0
139	13.5	10.5	15.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/25/2024

Supervised By :mohammad ahmed 09/25/2024



#74

Di-n-butylphthalate

Concen: 7.771 ng

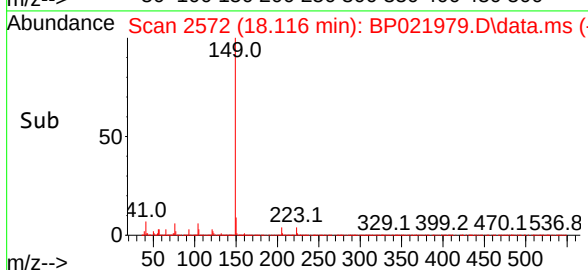
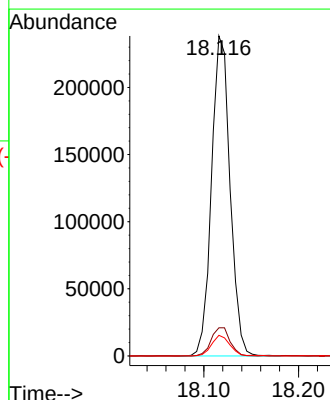
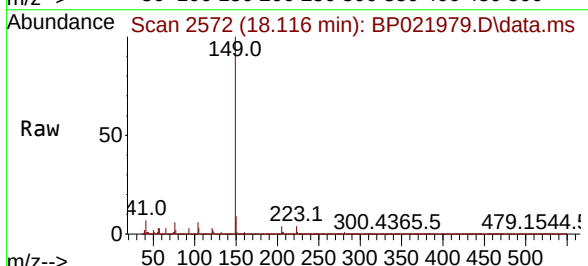
RT: 18.116 min Scan# 2572

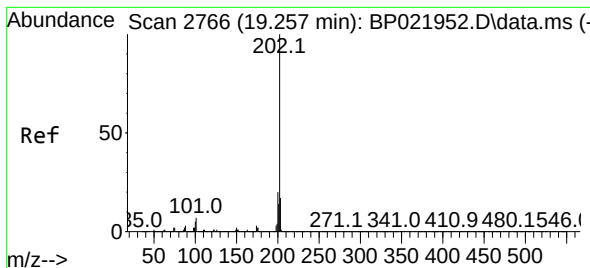
Delta R.T. -0.029 min

Lab File: BP021979.D

Acq: 23 Sep 2024 12:30

Tgt Ion	Ratio	Lower	Upper
149	100		
150	8.8	7.3	10.9
104	6.4	4.6	6.8





#75

Fluoranthene

Concen: 7.873 ng

RT: 19.233 min Scan# 21

Delta R.T. -0.023 min

Lab File: BP021979.D

Acq: 23 Sep 2024 12:30

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT2-2024

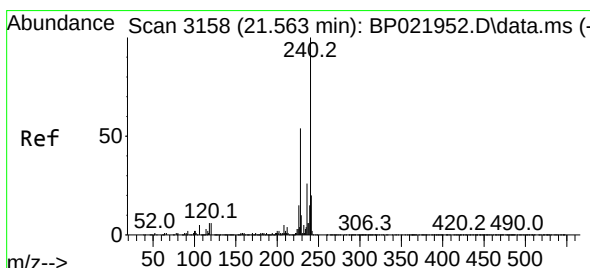
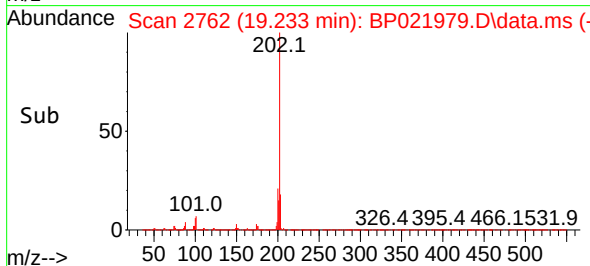
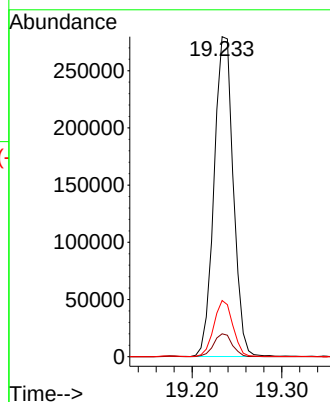
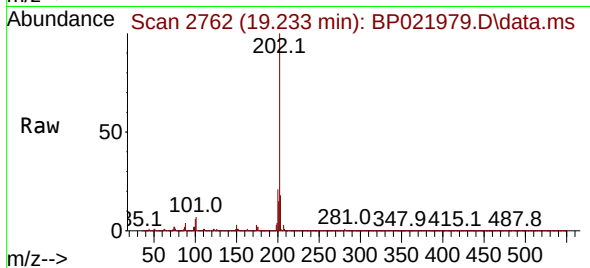
Tgt Ion:	202	Resp:	41606
Ion Ratio	Lower	Upper	
202	100		
101	7.1	0.0	26.5
203	17.5	0.0	37.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/25/2024

Supervised By :mohammad ahmed 09/25/2024



#76

Chrysene-d12

Concen: 20.000 ng

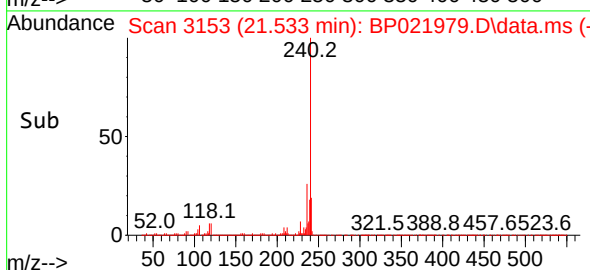
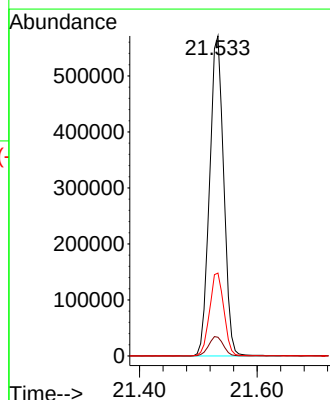
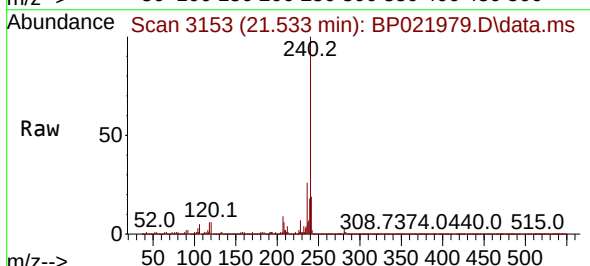
RT: 21.533 min Scan# 3153

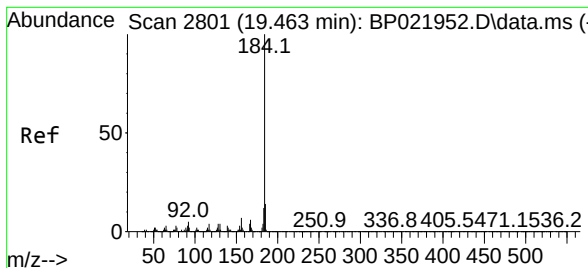
Delta R.T. -0.029 min

Lab File: BP021979.D

Acq: 23 Sep 2024 12:30

Tgt Ion:	240	Resp:	953506
Ion Ratio	Lower	Upper	
240	100		
120	5.9	5.1	7.7
236	25.9	20.7	31.1





#77

Benzidine

Concen: 12.406 ng

RT: 19.433 min Scan# 21

Delta R.T. -0.029 min

Lab File: BP021979.D

Acq: 23 Sep 2024 12:30

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT2-2024

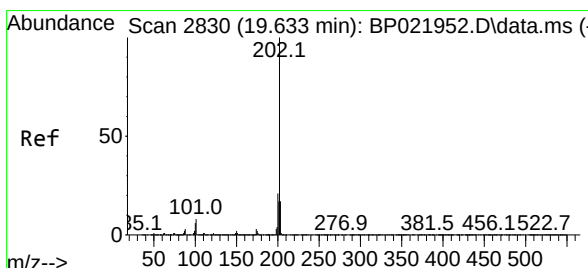
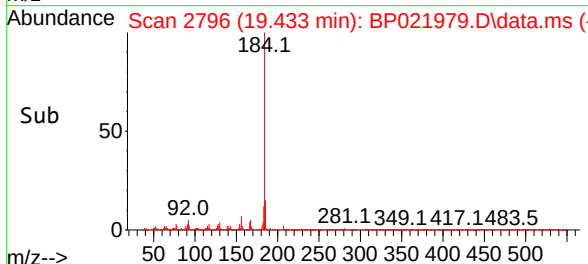
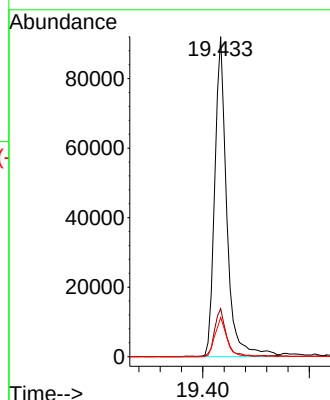
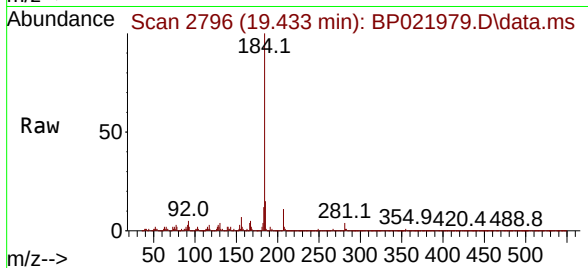
Tgt Ion:184	Resp: 144550
Ion Ratio	Lower Upper
184 100	
185 15.0	10.9 16.3
183 12.3	9.2 13.8

Manual Integrations

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Reviewed By :Yogesh Patel 09/25/2024

Supervised By :mohammad ahmed 09/25/2024



#78

Pyrene

Concen: 7.601 ng

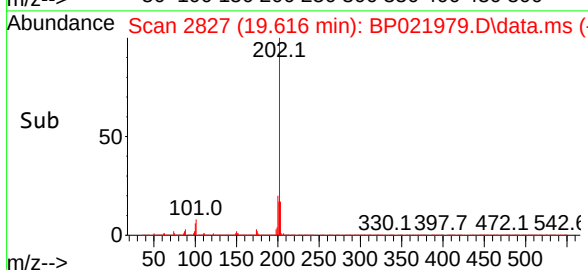
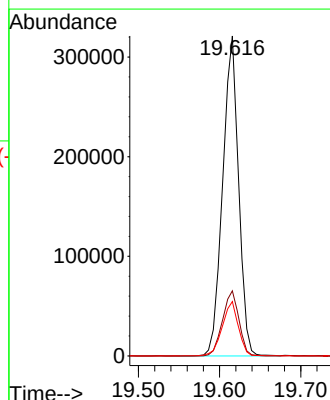
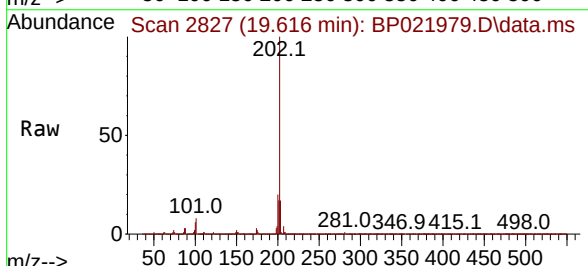
RT: 19.616 min Scan# 2827

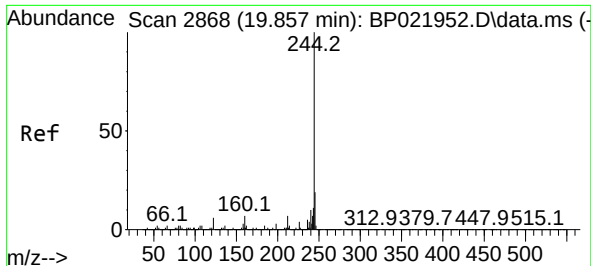
Delta R.T. -0.018 min

Lab File: BP021979.D

Acq: 23 Sep 2024 12:30

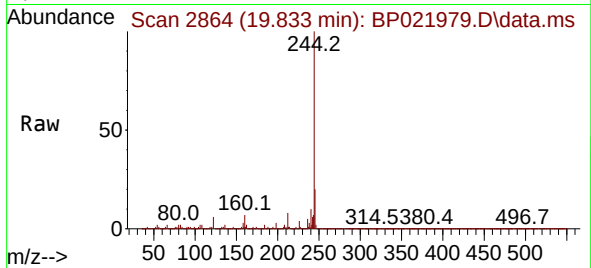
Tgt Ion:202	Resp: 438451
Ion Ratio	Lower Upper
202 100	
200 20.4	16.8 25.2
203 17.0	13.8 20.8





#79
 Terphenyl-d14
 Concen: 79.239 ng
 RT: 19.833 min Scan# 21
 Delta R.T. -0.023 min
 Lab File: BP021979.D
 Acq: 23 Sep 2024 12:30

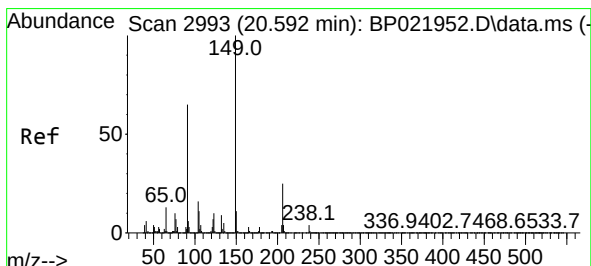
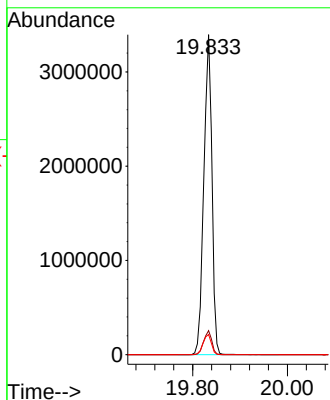
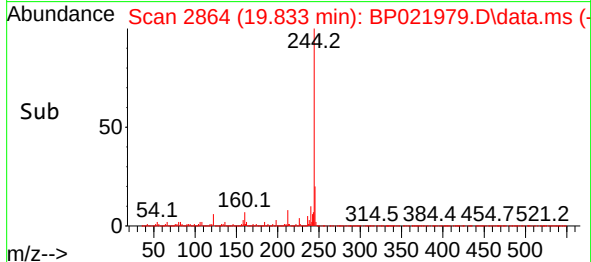
Instrument :
 BNA_P
 ClientSampleId :
 MDL-SOIL-03-QT2-2024



Tgt Ion:244 Resp: 4022125
 Ion Ratio Lower Upper
 244 100
 212 7.5 6.0 9.0
 122 6.3 5.0 7.4

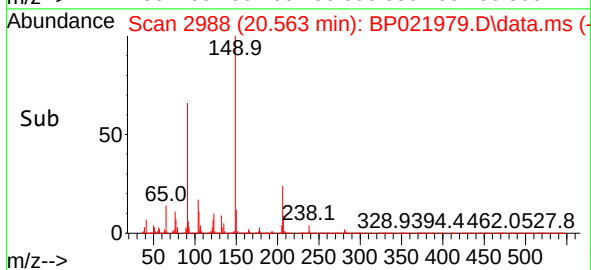
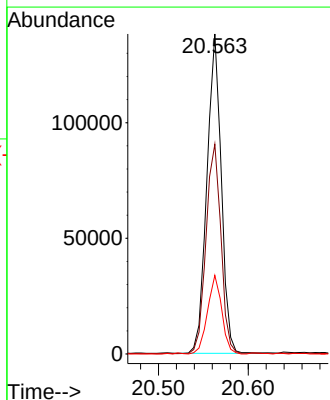
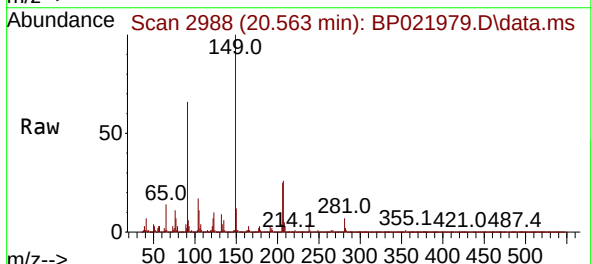
Manual Integrations
 APPROVED

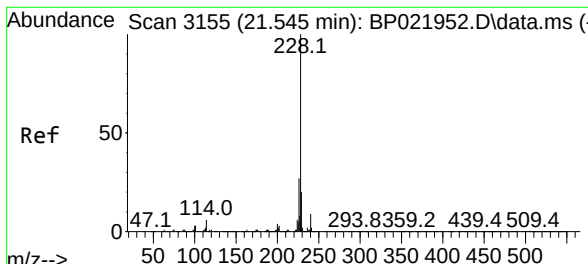
Reviewed By :Yogesh Patel 09/25/2024
 Supervised By :mohammad ahmed 09/25/2024



#80
 Butylbenzylphthalate
 Concen: 7.462 ng
 RT: 20.563 min Scan# 2988
 Delta R.T. -0.029 min
 Lab File: BP021979.D
 Acq: 23 Sep 2024 12:30

Tgt Ion:149 Resp: 153508
 Ion Ratio Lower Upper
 149 100
 91 65.6 51.9 77.9
 206 24.5 20.1 30.1



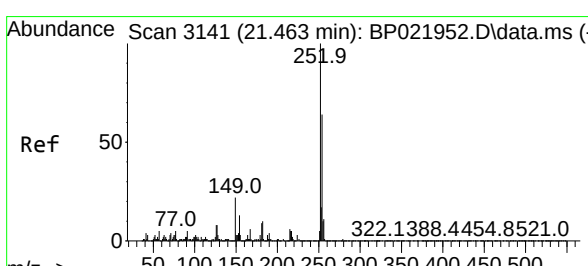
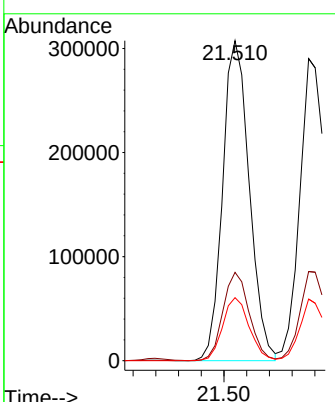
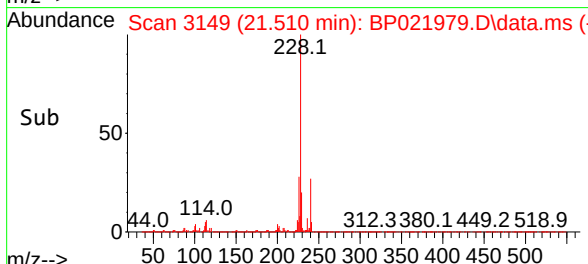
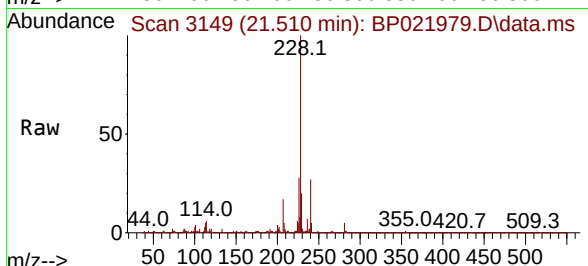


#81
 Benzo(a)anthracene
 Concen: 8.180 ng
 RT: 21.510 min Scan# 3155
 Delta R.T. -0.035 min
 Lab File: BP021979.D
 Acq: 23 Sep 2024 12:30

Instrument : BNA_P
 ClientSampleId : MDL-SOIL-03-QT2-2024

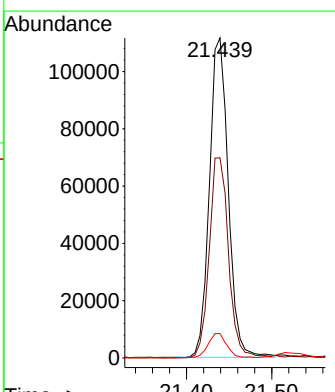
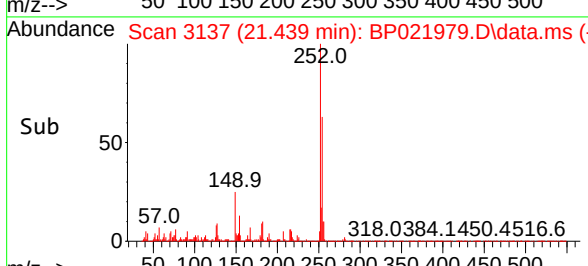
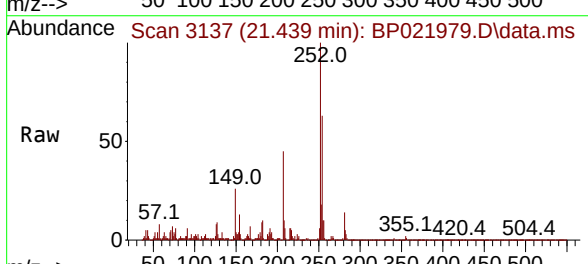
Tgt Ion:	228	Resp:	50120
Ion Ratio	Lower	Upper	
228	100		
226	27.6	21.5	32.3
229	19.7	15.7	23.5

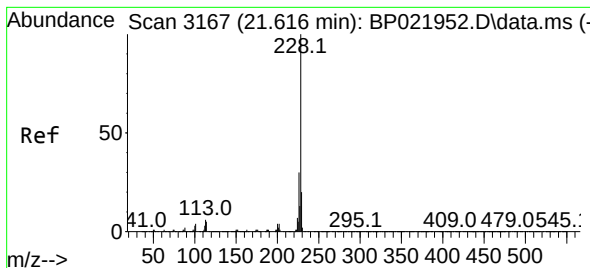
Manual Integrations
APPROVED
 Reviewed By :Yogesh Patel 09/25/2024
 Supervised By :mohammad ahmed 09/25/2024



#82
 3,3'-Dichlorobenzidine
 Concen: 7.689 ng
 RT: 21.439 min Scan# 3137
 Delta R.T. -0.023 min
 Lab File: BP021979.D
 Acq: 23 Sep 2024 12:30

Tgt Ion:	252	Resp:	170919
Ion Ratio	Lower	Upper	
252	100		
254	62.6	51.4	77.2
126	7.7	6.2	9.4





#83

Chrysene

Concen: 8.209 ng

RT: 21.575 min Scan# 3167

Delta R.T. -0.041 min

Lab File: BP021979.D

Acq: 23 Sep 2024 12:30

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT2-2024

Tgt Ion:228 Resp: 47353

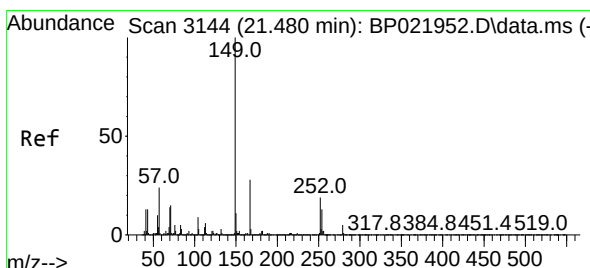
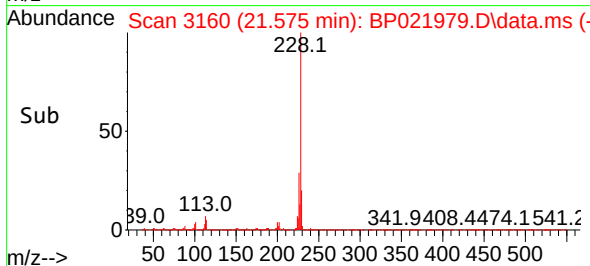
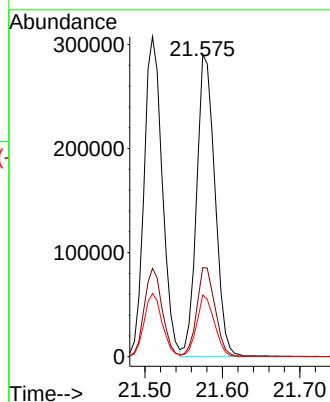
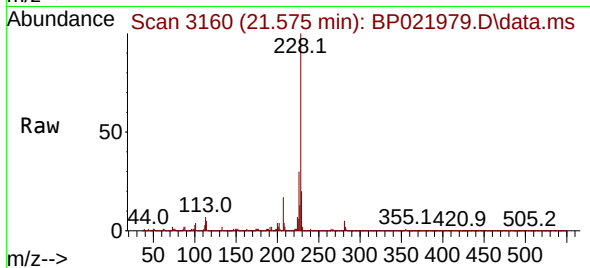
Ion	Ratio	Lower	Upper
228	100		
226	29.5	24.2	36.4
229	20.4	15.7	23.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/25/2024

Supervised By :mohammad ahmed 09/25/2024



#84

Bis(2-ethylhexyl)phthalate

Concen: 7.506 ng

RT: 21.457 min Scan# 3140

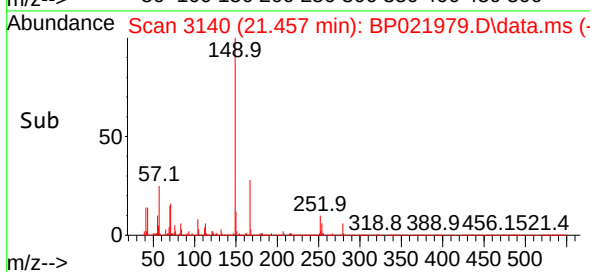
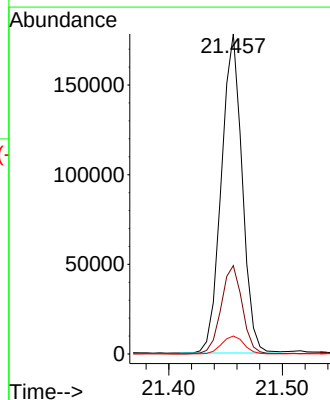
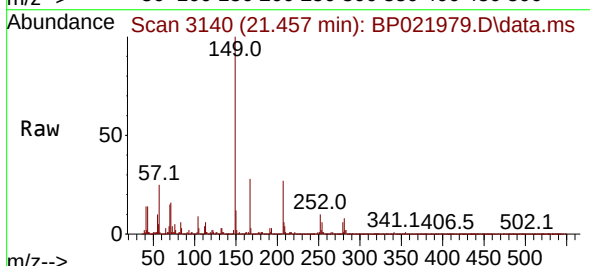
Delta R.T. -0.023 min

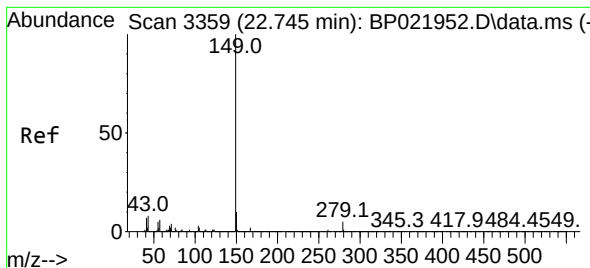
Lab File: BP021979.D

Acq: 23 Sep 2024 12:30

Tgt Ion:149 Resp: 226633

Ion	Ratio	Lower	Upper
149	100		
167	27.6	22.3	33.5
279	5.6	4.2	6.2





#85

Di-n-octyl phthalate

Concen: 7.287 ng

RT: 22.710 min Scan# 31

Delta R.T. -0.035 min

Lab File: BP021979.D

Acq: 23 Sep 2024 12:30

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT2-2024

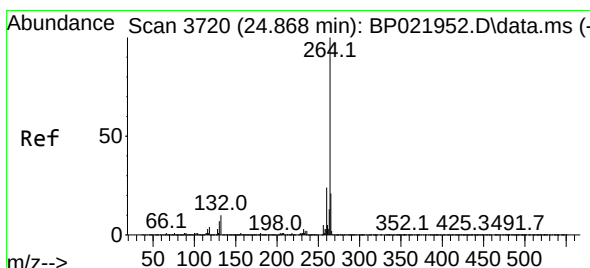
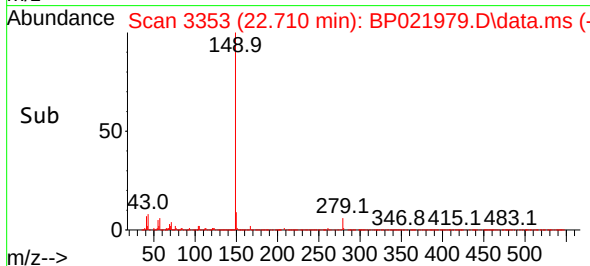
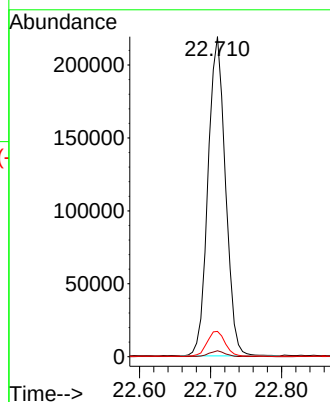
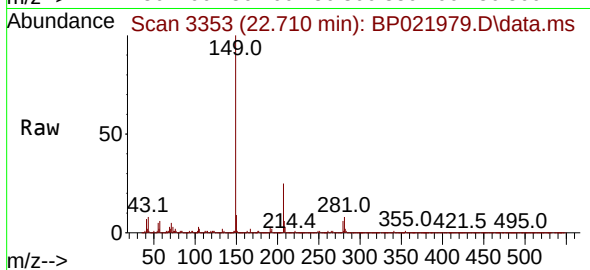
Tgt Ion:149	Resp: 373714
Ion Ratio	Lower Upper
149 100	
167 1.7	1.4 2.0
43 8.1	6.2 9.4

Manual Integrations

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Reviewed By :Yogesh Patel 09/25/2024

Supervised By :mohammad ahmed 09/25/2024



#86

Perylene-d12

Concen: 20.000 ng

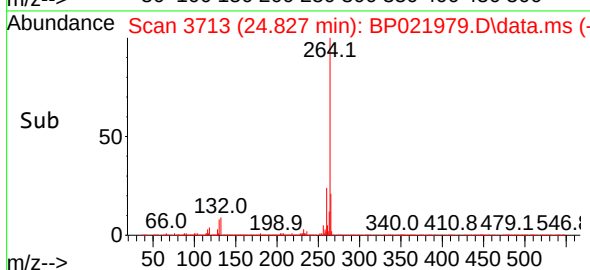
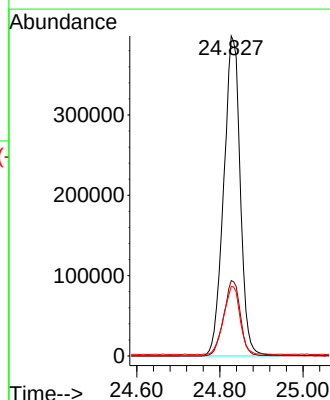
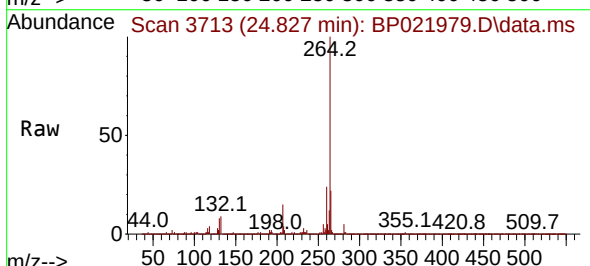
RT: 24.827 min Scan# 3713

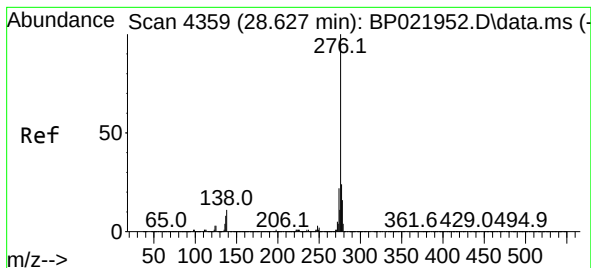
Delta R.T. -0.041 min

Lab File: BP021979.D

Acq: 23 Sep 2024 12:30

Tgt Ion:264	Resp: 1095859		
Ion	Ratio	Lower	Upper
264	100		
260	23.6	18.9	28.3
265	21.7	17.5	26.3





#87

Indeno(1,2,3-cd)pyrene

Concen: 8.259 ng

RT: 28.539 min Scan# 41

Delta R.T. -0.088 min

Lab File: BP021979.D

Acq: 23 Sep 2024 12:30

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT2-2024

Tgt Ion:276 Resp: 601980

Ion Ratio Lower Upper

276 100

138 9.5 7.8 11.8

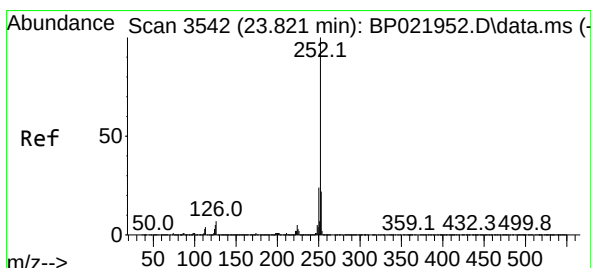
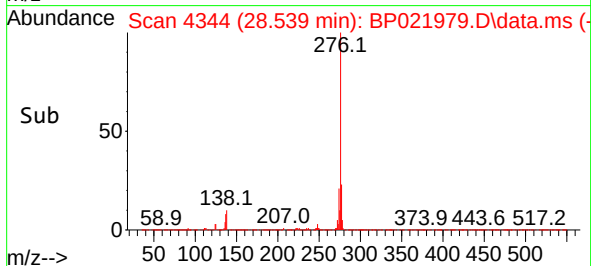
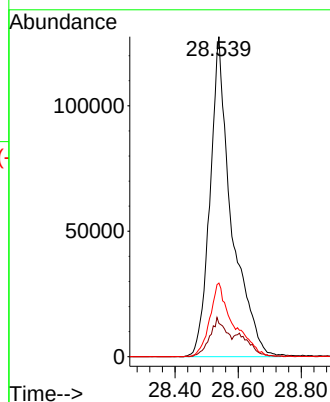
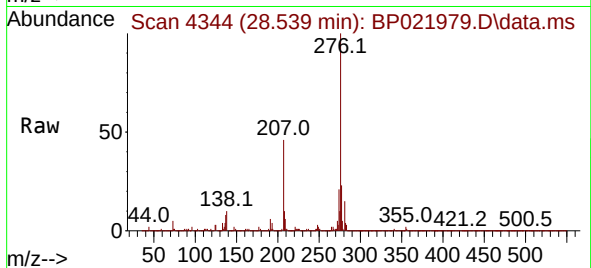
277 25.3 20.5 30.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/25/2024

Supervised By :mohammad ahmed 09/25/2024



#88

Benzo(b)fluoranthene

Concen: 7.990 ng

RT: 23.774 min Scan# 3534

Delta R.T. -0.047 min

Lab File: BP021979.D

Acq: 23 Sep 2024 12:30

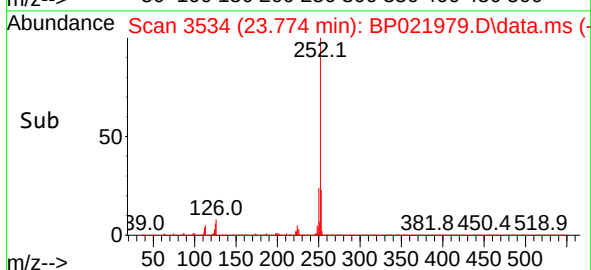
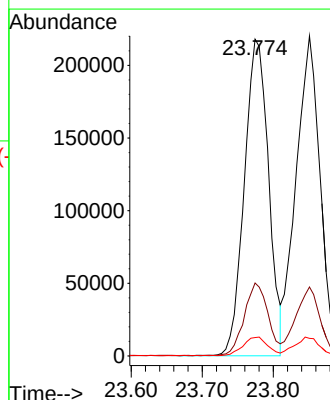
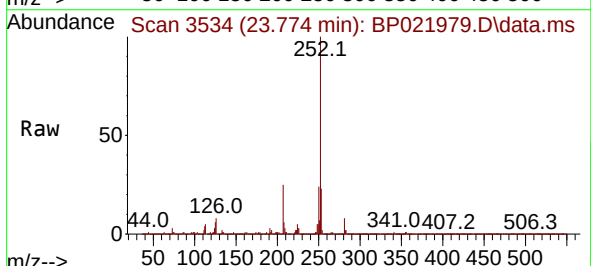
Tgt Ion:252 Resp: 517824

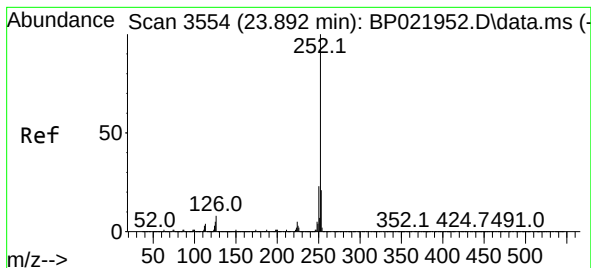
Ion Ratio Lower Upper

252 100

253 23.0 17.4 26.0

125 5.8 4.2 6.2





#89

Benzo(k)fluoranthene

Concen: 8.445 ng

RT: 23.851 min Scan# 3

Delta R.T. -0.041 min

Lab File: BP021979.D

Acq: 23 Sep 2024 12:30

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT2-2024

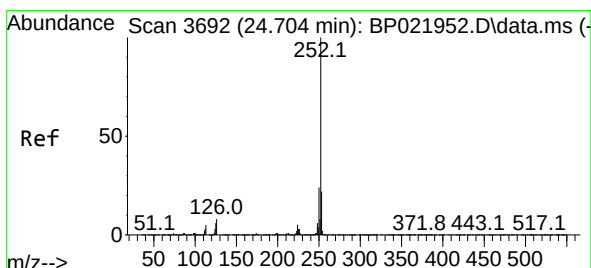
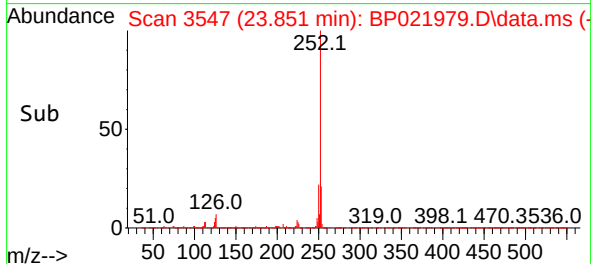
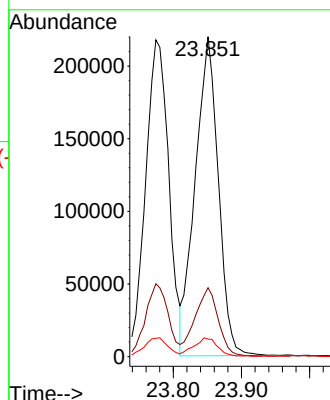
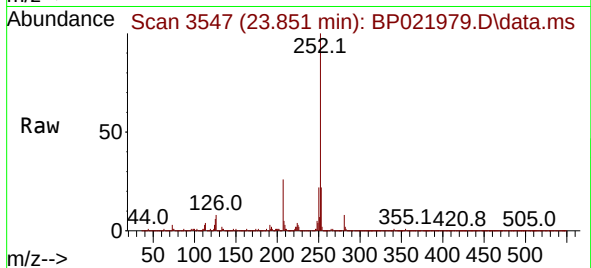
Tgt Ion:252 Resp: 51796
Ion Ratio Lower Upper
252 100
253 21.6 17.0 25.6
125 5.5 4.3 6.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/25/2024

Supervised By :mohammad ahmed 09/25/2024



#90

Benzo(a)pyrene

Concen: 8.331 ng

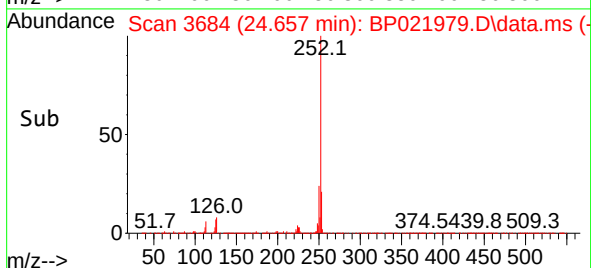
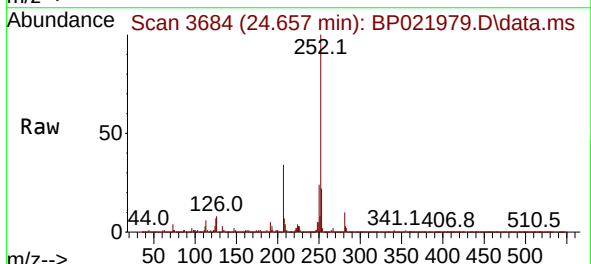
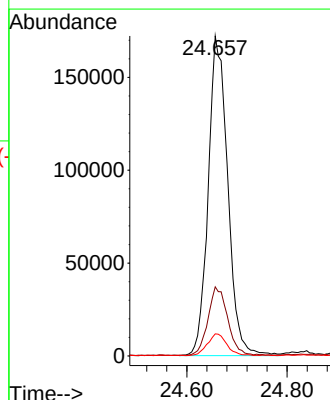
RT: 24.657 min Scan# 3684

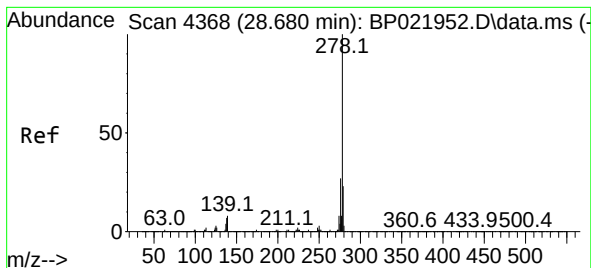
Delta R.T. -0.047 min

Lab File: BP021979.D

Acq: 23 Sep 2024 12:30

Tgt Ion:252 Resp: 465106
Ion Ratio Lower Upper
252 100
253 21.6 17.6 26.4
125 6.9 5.0 7.6





#91

Dibenzo(a,h)anthracene

Concen: 8.174 ng

RT: 28.609 min Scan# 41

Delta R.T. -0.070 min

Lab File: BP021979.D

Acq: 23 Sep 2024 12:30

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT2-2024

Tgt Ion:278 Resp: 491710

Ion Ratio Lower Upper

278 100

139 9.7 6.6 10.0

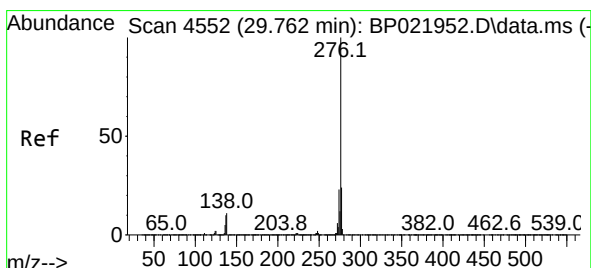
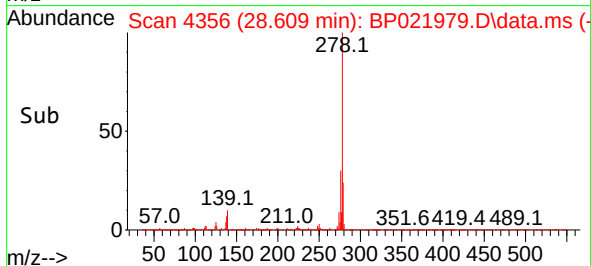
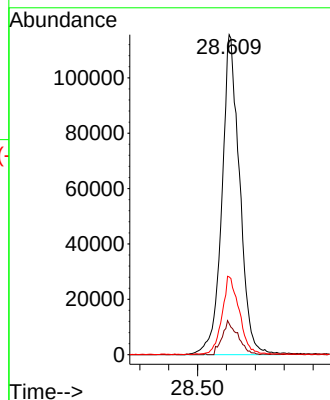
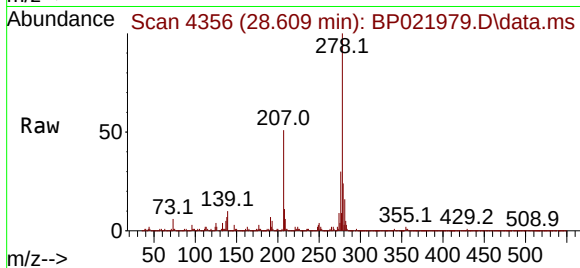
279 24.3 18.8 28.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/25/2024

Supervised By :mohammad ahmed 09/25/2024



#92

Benzo(g,h,i)perylene

Concen: 7.648 ng

RT: 29.698 min Scan# 4541

Delta R.T. -0.065 min

Lab File: BP021979.D

Acq: 23 Sep 2024 12:30

Tgt Ion:276 Resp: 471284

Ion Ratio Lower Upper

276 100

277 24.2 19.3 28.9

138 12.6 9.2 13.8

