

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP112125\
 Data File : BP026184.D
 Acq On : 21 Nov 2025 14:51
 Operator : RC/JU
 Sample : Q3530-03
 Misc : MDL-SOIL-4NG
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 MDL-SOIL-03-QT4-2025

Quant Time: Nov 21 15:12:01 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP111825.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 19 01:25:31 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 11/24/2025
 Supervised By :mohammad ahmed 11/26/2025

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.625	152	470925	20.000	ng	-0.05
21) Naphthalene-d8	10.402	136	1776136	20.000	ng	-0.05
39) Acenaphthene-d10	14.296	164	1039504	20.000	ng	-0.03
64) Phenanthrene-d10	17.131	188	1888452	20.000	ng	0.00
76) Chrysene-d12	21.595	240	1871276	20.000	ng	0.02
86) Perylene-d12	24.930	264	1963408	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.249	112	3194678	108.886	ng	-0.04
7) Phenol-d6	6.808	99	3936578	105.393	ng	-0.05
23) Nitrobenzene-d5	8.766	82	2550179	81.557	ng	-0.05
42) 2,4,6-Tribromophenol	15.837	330	1364517	101.189	ng	0.00
45) 2-Fluorobiphenyl	12.901	172	5757014	81.168	ng	-0.03
79) Terphenyl-d14	19.883	244	7638388	83.232	ng	0.01
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.226	88	44645	3.752	ng	95
3) Pyridine	3.614	79	114827	3.339	ng	# 92
4) n-Nitrosodimethylamine	3.526	42	43710	3.401	ng	# 90
6) Aniline	6.955	93	174494	3.538	ng	99
8) 2-Chlorophenol	7.196	128	118970	3.562	ng	93
9) Benzaldehyde	6.778	77	99734	5.095	ng	99
10) Phenol	6.831	94	138427	3.440	ng	91
11) bis(2-Chloroethyl)ether	7.049	93	112765	3.579	ng	100
12) 1,3-Dichlorobenzene	7.519	146	137719	3.828	ng	97
13) 1,4-Dichlorobenzene	7.655	146	138409	3.818	ng	100
14) 1,2-Dichlorobenzene	7.972	146	129877	3.731	ng	98
15) Benzyl Alcohol	7.861	79	89264	3.262	ng	94
16) 2,2'-oxybis(1-Chloropr...	8.149	45	160110	3.619	ng	99
17) 2-Methylphenol	8.061	107	88993	3.249	ng	98
18) Hexachloroethane	8.690	117	48495	3.676	ng	95
19) n-Nitroso-di-n-propyla...	8.419	70	70499	3.038	ng	98
20) 3+4-Methylphenols	8.384	107	115549	3.044	ng	98
22) Acetophenone	8.437	105	167620	3.713	ng	# 98
24) Nitrobenzene	8.808	77	125031	3.953	ng	99
25) Isophorone	9.337	82	202283	3.263	ng	99
26) 2-Nitrophenol	9.519	139	45997	2.874	ng	92
27) 2,4-Dimethylphenol	9.584	122	95708	3.316	ng	98
28) bis(2-Chloroethoxy)met...	9.813	93	136645	3.520	ng	96
29) 2,4-Dichlorophenol	10.055	162	91973	3.189	ng	98
30) 1,2,4-Trichlorobenzene	10.272	180	119691	4.075	ng	95
31) Naphthalene	10.449	128	355134	3.700	ng	99
32) Benzoic acid	9.643	122	37879	1.559	ng	95
33) 4-Chloroaniline	10.560	127	135170	3.311	ng	99
34) Hexachlorobutadiene	10.749	225	71702	3.753	ng	98
35) Caprolactam	11.325	113	24607	2.382	ng	96
36) 4-Chloro-3-methylphenol	11.702	107	89270	2.912	ng	99
37) 2-Methylnaphthalene	12.090	142	210780	3.097	ng	99
38) 1-Methylnaphthalene	12.302	142	225768	3.394	ng	98
40) 1,2,4,5-Tetrachloroben...	12.460	216	123994	3.945	ng	99
41) Hexachlorocyclopentadiene	12.443	237	60601	2.946	ng	98
43) 2,4,6-Trichlorophenol	12.707	196	69872	3.243	ng	99

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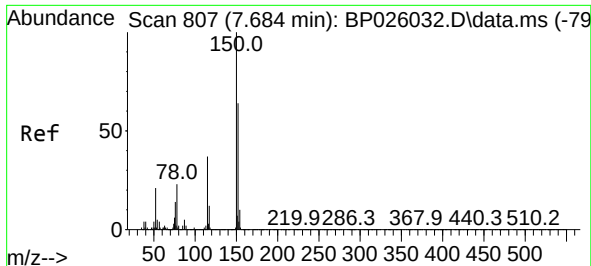
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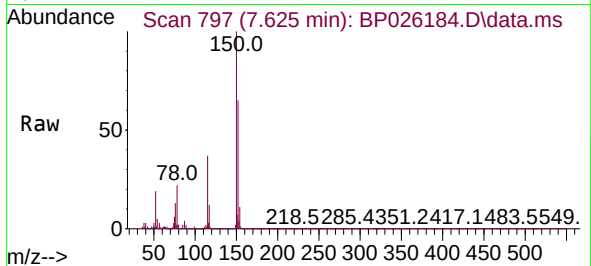
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.772	196	74525	3.098	ng	99
46) 1,1'-Biphenyl	13.113	154	306744	3.919	ng	100
47) 2-Chloronaphthalene	13.154	162	234204	3.805	ng	99
48) 2-Nitroaniline	13.360	65	47278	2.762	ng	91
49) Acenaphthylene	14.013	152	354708	3.494	ng	100
50) Dimethylphthalate	13.760	163	267996	3.452	ng	100
51) 2,6-Dinitrotoluene	13.866	165	48260	3.137	ng	97
52) Acenaphthene	14.372	154	220769	3.710	ng	97
53) 3-Nitroaniline	14.201	138	48013	2.651	ng	100
54) 2,4-Dinitrophenol	14.413	184	13477	1.451	ng	98
55) Dibenzofuran	14.713	168	345961	3.754	ng	99
56) 4-Nitrophenol	14.525	139	30977m	1.890	ng	
57) 2,4-Dinitrotoluene	14.666	165	59269	2.580	ng	93
58) Fluorene	15.378	166	266737	3.662	ng	99
59) 2,3,4,6-Tetrachlorophenol	14.943	232	64486	3.160	ng	99
60) Diethylphthalate	15.154	149	259798	3.322	ng	98
61) 4-Chlorophenyl-phenyle...	15.384	204	133579	3.686	ng	96
62) 4-Nitroaniline	15.390	138	42108	2.239	ng	98
63) Azobenzene	15.678	77	221977	3.366	ng	99
65) 4,6-Dinitro-2-methylph...	15.460	198	25683	2.141	ng	88
66) n-Nitrosodiphenylamine	15.590	169	222154	3.803	ng	98
67) 4-Bromophenyl-phenylether	16.301	248	77142	3.689	ng	97
68) Hexachlorobenzene	16.407	284	90916	3.746	ng	98
69) Atrazine	16.584	200	72969	3.312	ng	100
70) Pentachlorophenol	16.772	266	47485	2.797	ng	92
71) Phenanthrene	17.178	178	406867	3.825	ng	99
72) Anthracene	17.266	178	391031	3.604	ng	99
73) Carbazole	17.554	167	350257	3.399	ng	99
74) Di-n-butylphthalate	18.160	149	396684	3.247	ng	99
75) Fluoranthene	19.284	202	438409	3.392	ng	99
77) Benzidine	19.472	184	157877	2.658	ng	98
78) Pyrene	19.660	202	462909	3.773	ng	100
80) Butylbenzylphthalate	20.619	149	159812	2.958	ng	100
81) Benzo(a)anthracene	21.572	228	463462	3.606	ng	99
82) 3,3'-Dichlorobenzidine	21.489	252	142116	3.041	ng	99
83) Chrysene	21.642	228	447621	3.696	ng	99
84) Bis(2-ethylhexyl)phtha...	21.536	149	252284	3.084	ng	99
85) Di-n-octyl phthalate	22.813	149	381476	2.667	ng	99
87) Indeno(1,2,3-cd)pyrene	28.701	276	501318m	3.405	ng	
88) Benzo(b)fluoranthene	23.866	252	423109	3.539	ng	99
89) Benzo(k)fluoranthene	23.924	252	452966m	3.793	ng	
90) Benzo(a)pyrene	24.760	252	405189	3.578	ng	99
91) Dibenzo(a,h)anthracene	28.783	278	408739	3.391	ng	99
92) Benzo(g,h,i)perylene	29.859	276	407447	3.401	ng	100

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



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.625 min Scan# 79
Delta R.T. -0.047 min
Lab File: BP026184.D
Acq: 21 Nov 2025 14:51

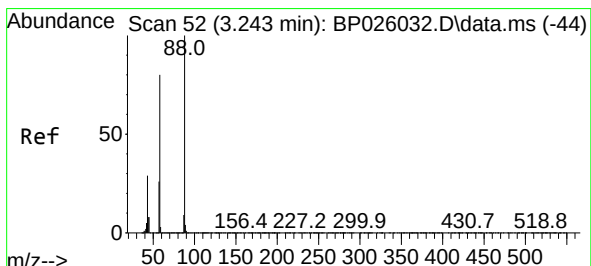
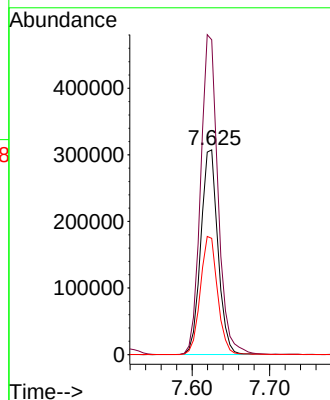
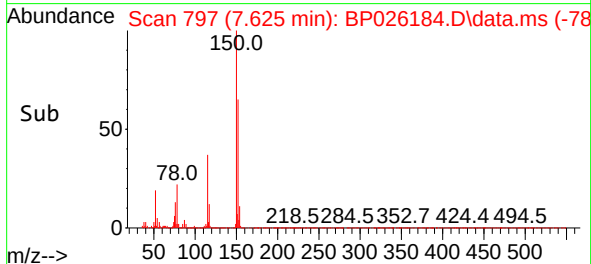
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT4-2025



Tgt Ion:152 Resp: 470925
Ion Ratio Lower Upper
152 100
150 153.7 123.0 184.6
115 56.8 46.3 69.5

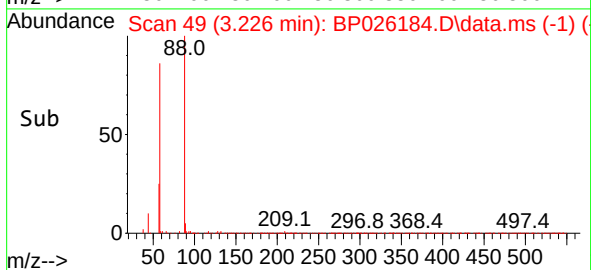
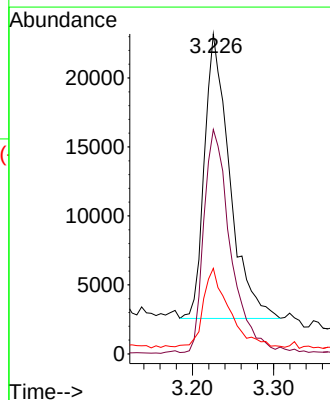
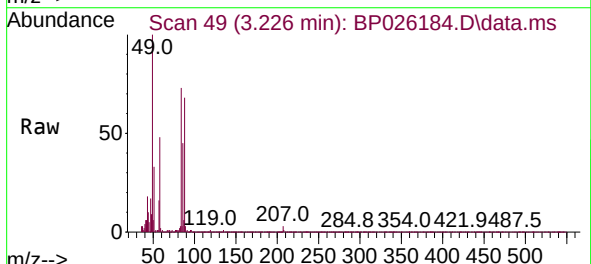
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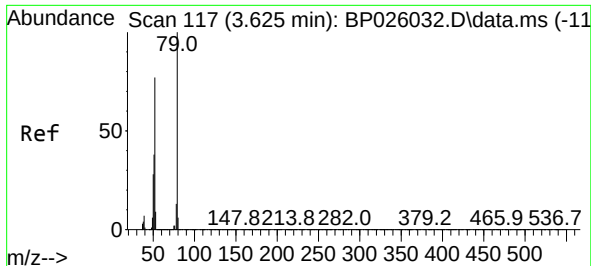
Reviewed By :Jagrut Upadhyay 11/24/2025
Supervised By :mohammad ahmed 11/26/2025



#2
1,4-Dioxane
Concen: 3.752 ng
RT: 3.226 min Scan# 49
Delta R.T. 0.000 min
Lab File: BP026184.D
Acq: 21 Nov 2025 14:51

Tgt Ion: 88 Resp: 44645
Ion Ratio Lower Upper
88 100
58 84.9 64.2 96.4
43 28.3 21.5 32.3





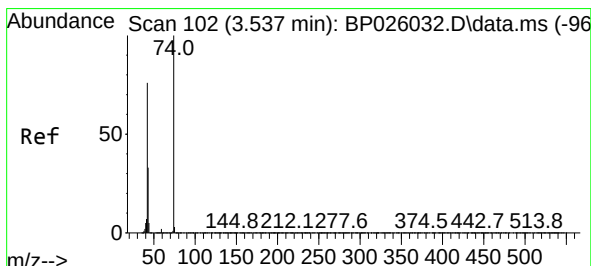
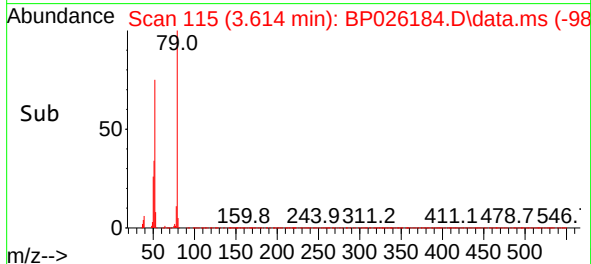
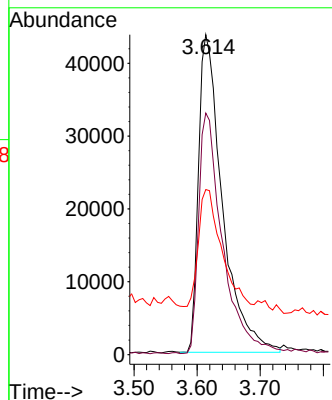
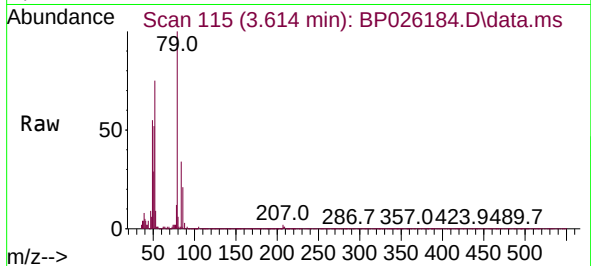
#3
Pyridine
Concen: 3.339 ng
RT: 3.614 min Scan# 117
Delta R.T. 0.000 min
Lab File: BP026184.D
Acq: 21 Nov 2025 14:51

Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT4-2025

Tgt Ion: 79 Resp: 114827
Ion Ratio Lower Upper
79 100
52 75.5 60.2 90.2
51 51.6 29.5 44.3

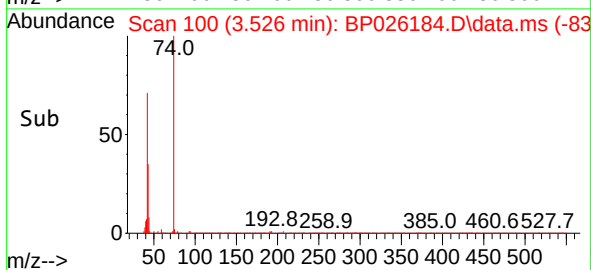
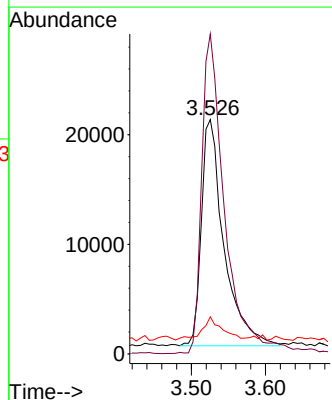
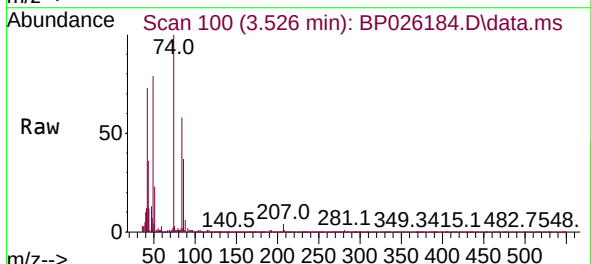
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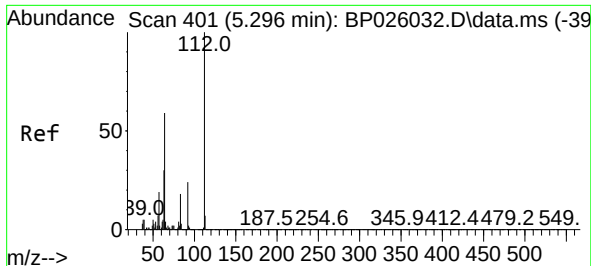
Reviewed By :Jagrut Upadhyay 11/24/2025
Supervised By :mohammad ahmed 11/26/2025



#4
n-Nitrosodimethylamine
Concen: 3.401 ng
RT: 3.526 min Scan# 100
Delta R.T. 0.000 min
Lab File: BP026184.D
Acq: 21 Nov 2025 14:51

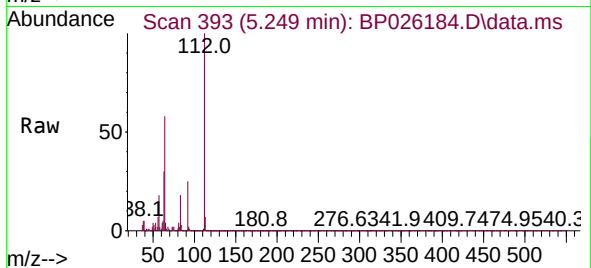
Tgt Ion: 42 Resp: 43710
Ion Ratio Lower Upper
42 100
74 136.5 118.1 177.1
44 15.8 6.2 9.4





#5
2-Fluorophenol
Concen: 108.886 ng
RT: 5.249 min Scan# 39
Delta R.T. -0.041 min
Lab File: BP026184.D
Acq: 21 Nov 2025 14:51

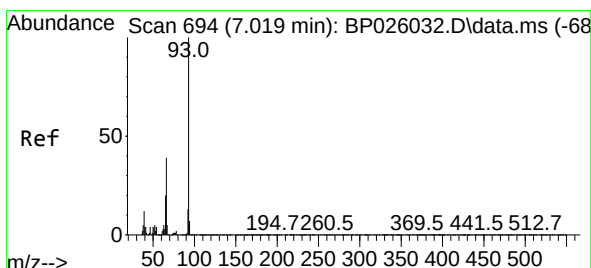
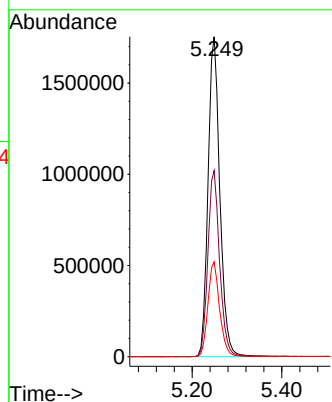
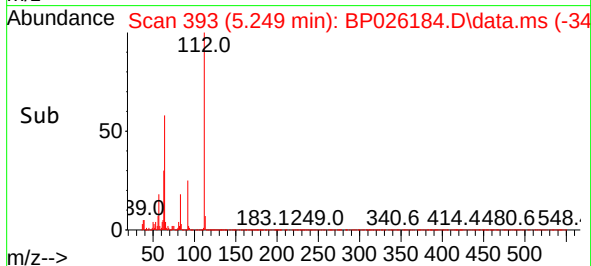
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT4-2025



Tgt Ion:112 Resp: 3194678
Ion Ratio Lower Upper
112 100
64 58.1 45.8 68.6
63 29.6 23.5 35.3

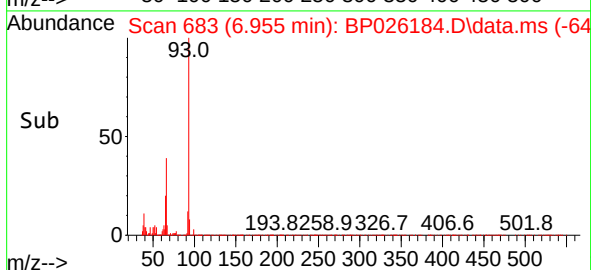
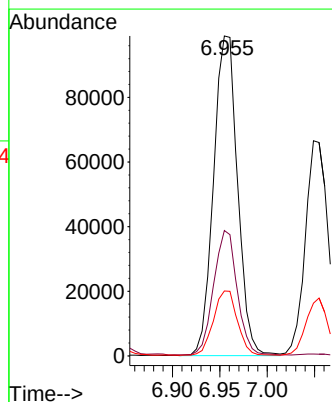
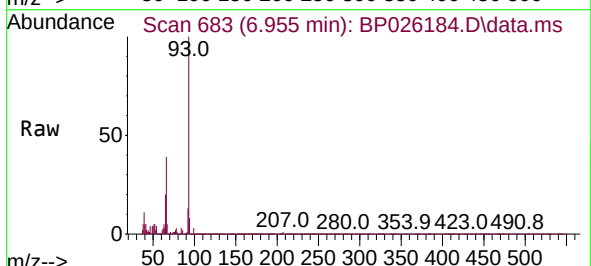
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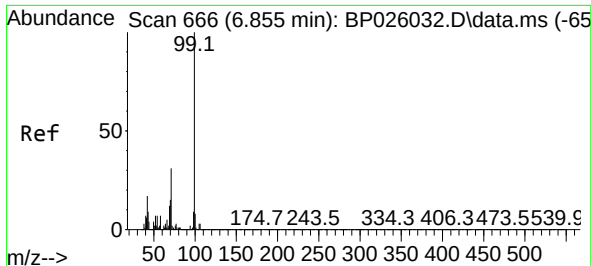
Reviewed By :Jagrut Upadhyay 11/24/2025
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#6
Aniline
Concen: 3.538 ng
RT: 6.955 min Scan# 683
Delta R.T. -0.047 min
Lab File: BP026184.D
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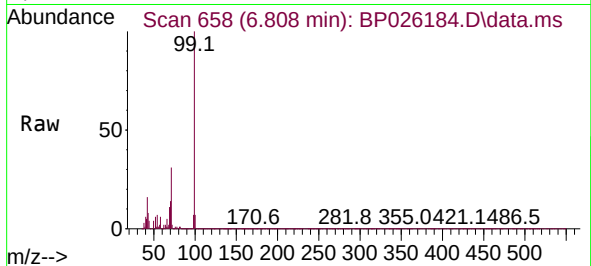
Tgt Ion: 93 Resp: 174494
Ion Ratio Lower Upper
93 100
66 39.2 31.7 47.5
65 20.3 15.8 23.6





#7
Phenol-d6
Concen: 105.393 ng
RT: 6.808 min Scan# 61
Delta R.T. -0.047 min
Lab File: BP026184.D
Acq: 21 Nov 2025 14:51

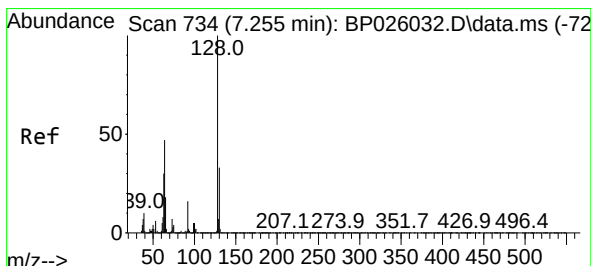
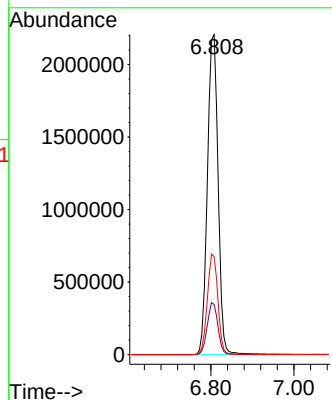
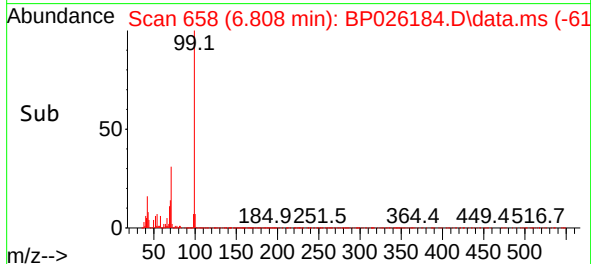
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT4-2025



Tgt Ion: 99 Resp: 3936578
Ion Ratio Lower Upper
99 100
42 15.7 12.9 19.3
71 30.7 24.8 37.2

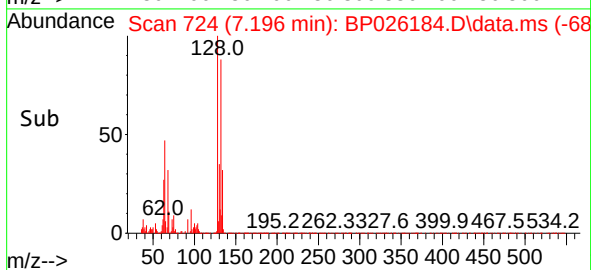
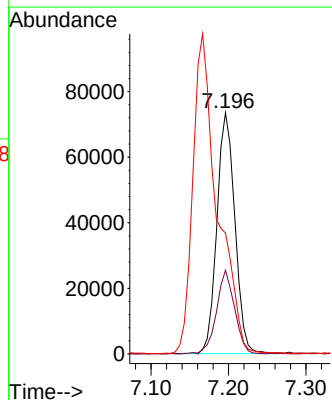
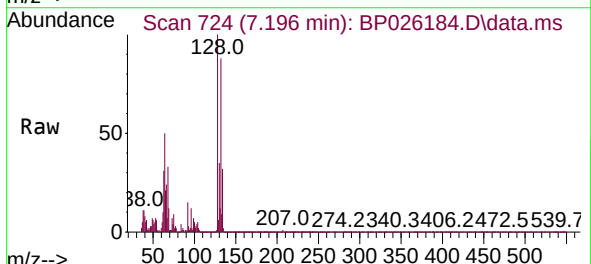
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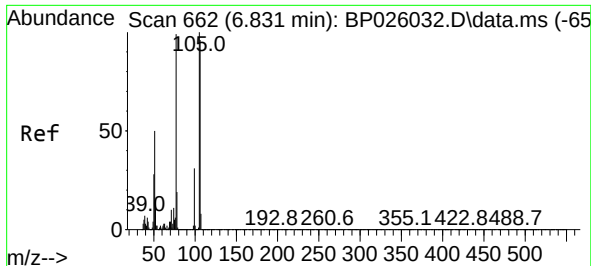
Reviewed By :Jagrut Upadhyay 11/24/2025
Supervised By :mohammad ahmed 11/26/2025



#8
2-Chlorophenol
Concen: 3.562 ng
RT: 7.196 min Scan# 724
Delta R.T. -0.047 min
Lab File: BP026184.D
Acq: 21 Nov 2025 14:51

Tgt Ion:128 Resp: 118970
Ion Ratio Lower Upper
128 100
130 34.8 12.4 52.4
64 50.1 23.9 63.9





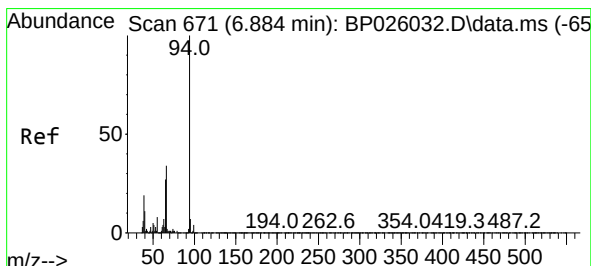
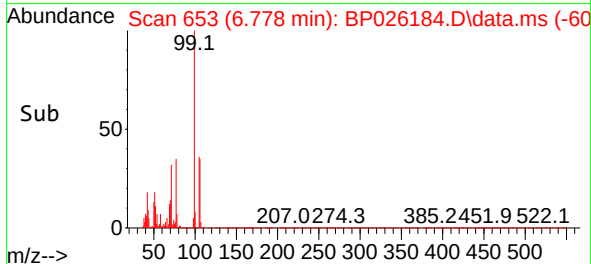
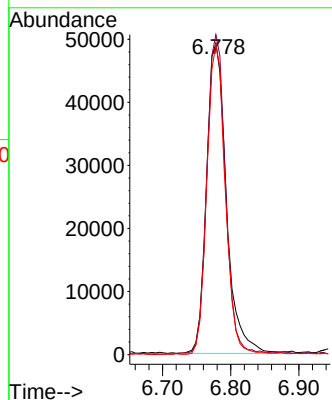
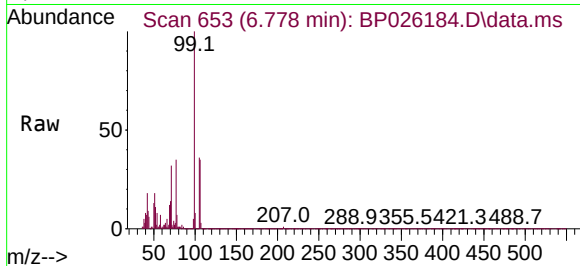
#9
Benzaldehyde
Concen: 5.095 ng
RT: 6.778 min Scan# 61
Delta R.T. -0.041 min
Lab File: BP026184.D
Acq: 21 Nov 2025 14:51

Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT4-2025

Tgt Ion: 77 Resp: 99734
Ion Ratio Lower Upper
77 100
105 102.7 82.9 122.9
106 99.7 77.8 117.8

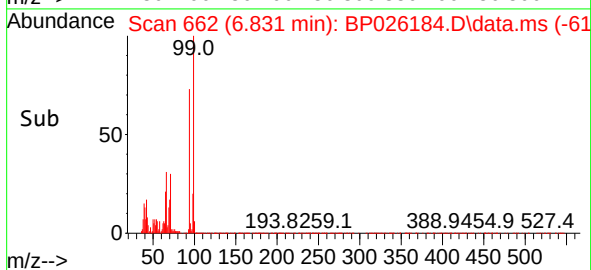
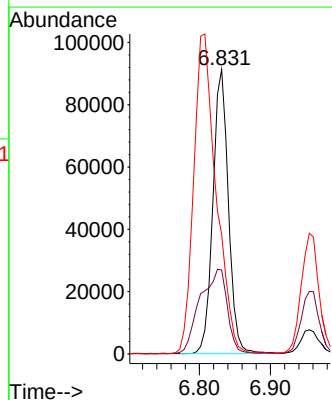
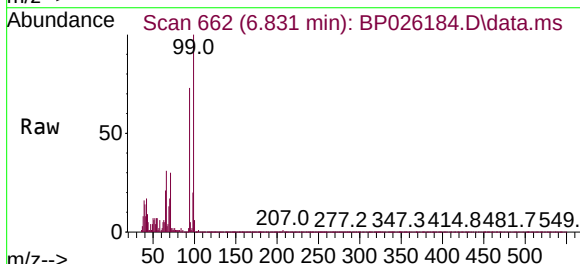
Manual Integrations
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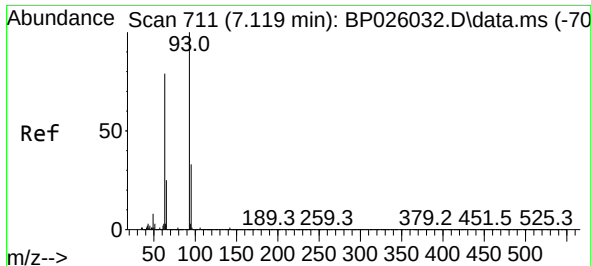
Reviewed By :Jagrut Upadhyay 11/24/2025
Supervised By :mohammad ahmed 11/26/2025



#10
Phenol
Concen: 3.440 ng
RT: 6.831 min Scan# 662
Delta R.T. -0.047 min
Lab File: BP026184.D
Acq: 21 Nov 2025 14:51

Tgt Ion: 94 Resp: 138427
Ion Ratio Lower Upper
94 100
65 29.5 7.0 47.0
66 42.1 14.5 54.5





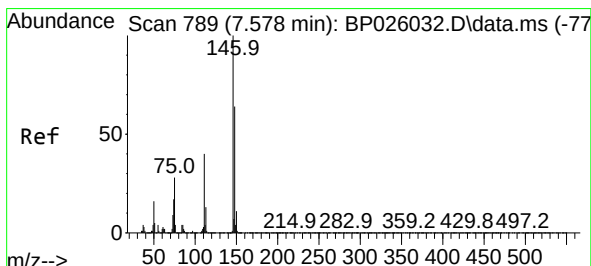
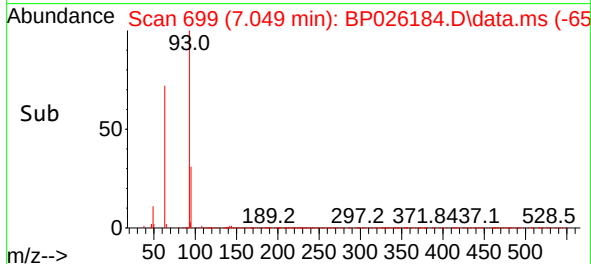
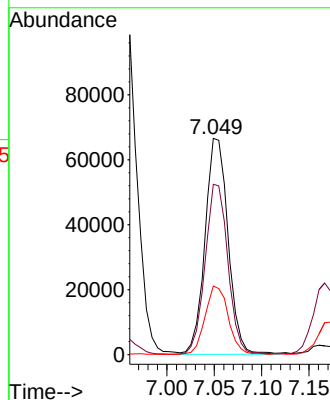
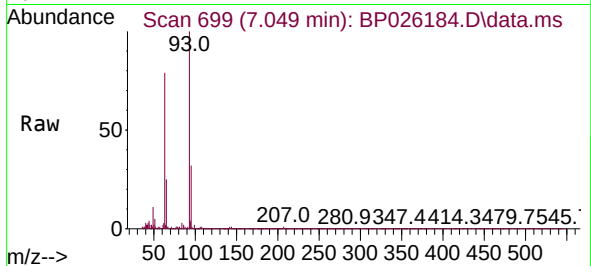
#11
bis(2-Chloroethyl)ether
Concen: 3.579 ng
RT: 7.049 min Scan# 699
Delta R.T. -0.047 min
Lab File: BP026184.D
Acq: 21 Nov 2025 14:51

Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT4-2025

Tgt Ion: 93 Resp: 112765
Ion Ratio Lower Upper
93 100
63 78.8 58.8 98.8
95 31.7 12.1 52.1

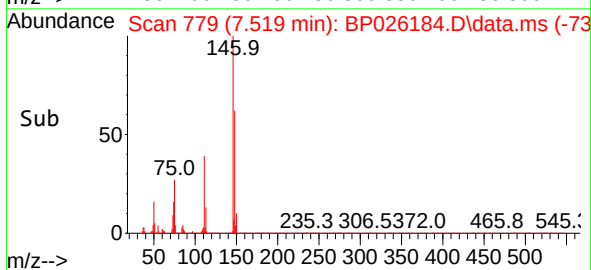
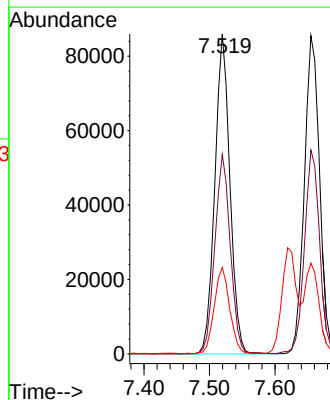
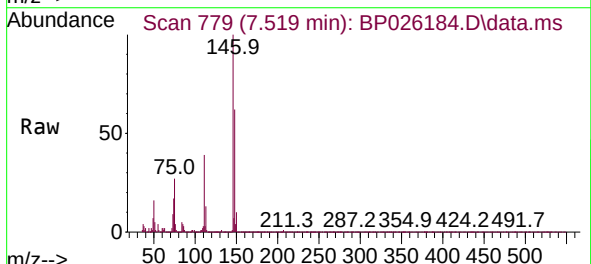
Manual Integrations
APPROVED

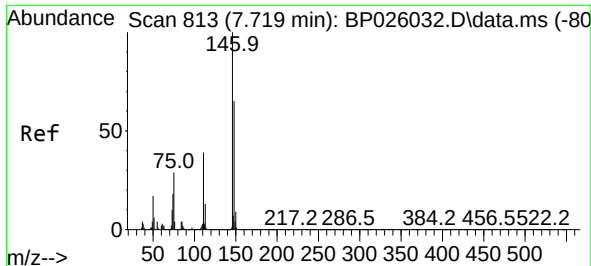
Reviewed By :Jagrut Upadhyay 11/24/2025
Supervised By :mohammad ahmed 11/26/2025



#12
1,3-Dichlorobenzene
Concen: 3.828 ng
RT: 7.519 min Scan# 779
Delta R.T. -0.047 min
Lab File: BP026184.D
Acq: 21 Nov 2025 14:51

Tgt Ion:146 Resp: 137719
Ion Ratio Lower Upper
146 100
148 62.3 51.8 77.8
75 27.0 22.2 33.2





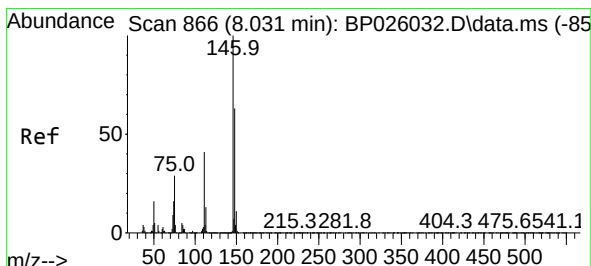
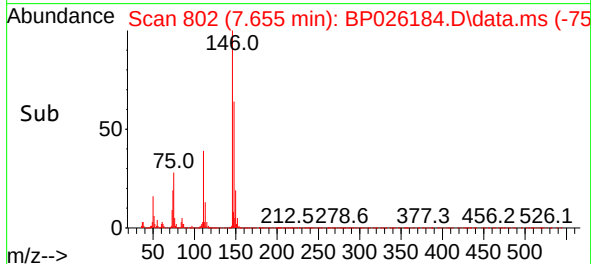
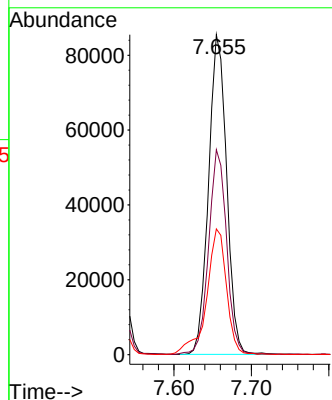
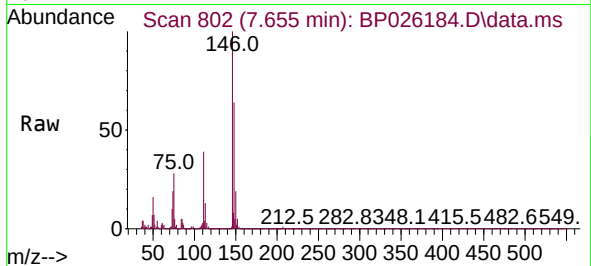
#13
1,4-Dichlorobenzene
Concen: 3.818 ng
RT: 7.655 min Scan# 80
Delta R.T. -0.047 min
Lab File: BP026184.D
Acq: 21 Nov 2025 14:51

Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT4-2025

Tgt Ion:146 Resp: 138409
Ion Ratio Lower Upper
146 100
148 64.0 51.4 77.2
111 39.3 31.7 47.5

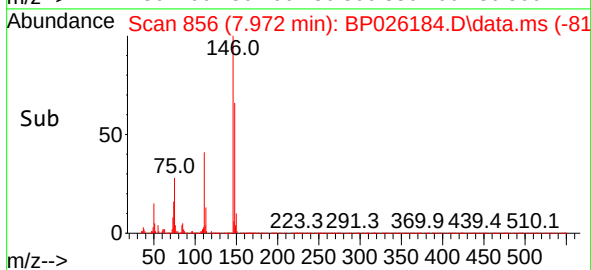
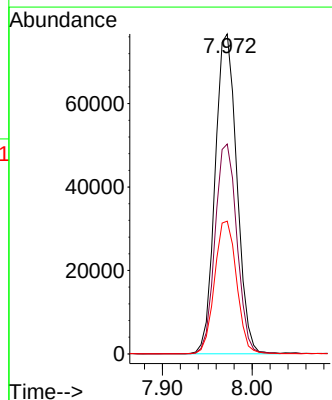
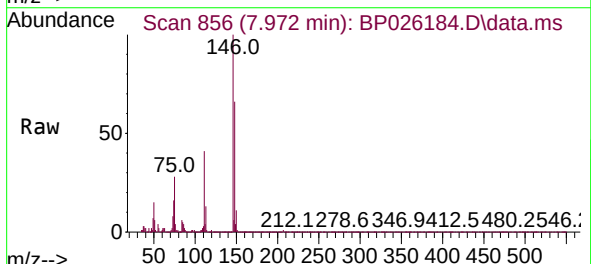
Manual Integrations
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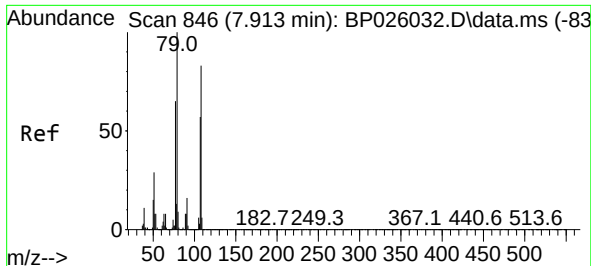
Reviewed By :Jagrut Upadhyay 11/24/2025
Supervised By :mohammad ahmed 11/26/2025



#14
1,2-Dichlorobenzene
Concen: 3.731 ng
RT: 7.972 min Scan# 856
Delta R.T. -0.041 min
Lab File: BP026184.D
Acq: 21 Nov 2025 14:51

Tgt Ion:146 Resp: 129877
Ion Ratio Lower Upper
146 100
148 65.6 51.0 76.6
111 41.5 33.0 49.4





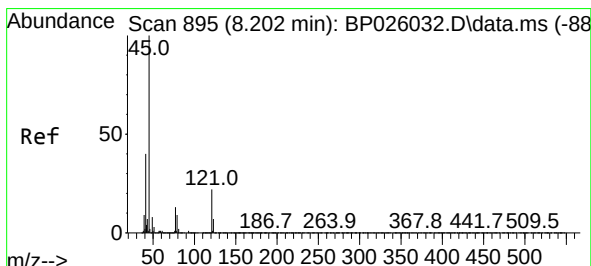
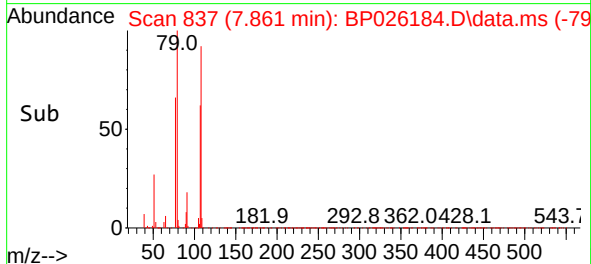
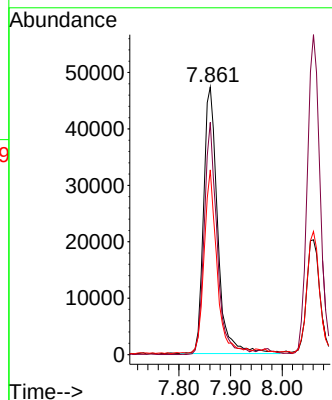
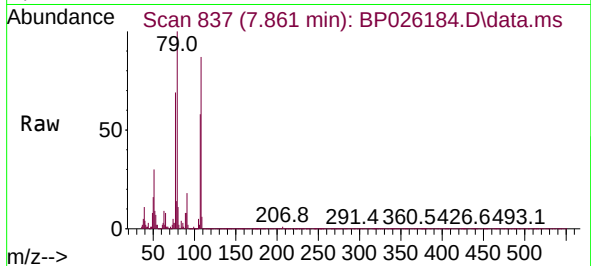
#15
Benzyl Alcohol
Concen: 3.262 ng
RT: 7.861 min Scan# 846
Delta R.T. -0.047 min
Lab File: BP026184.D
Acq: 21 Nov 2025 14:51

Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT4-2025

Tgt Ion: 79 Resp: 89264
Ion Ratio Lower Upper
79 100
108 86.8 66.2 99.4
77 69.1 50.0 75.0

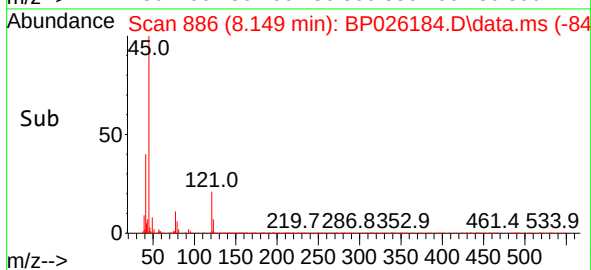
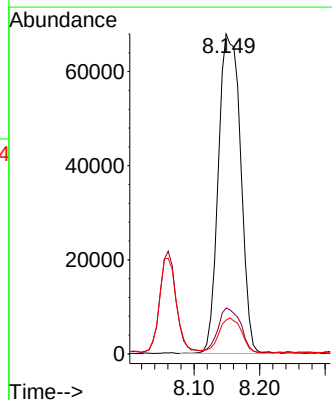
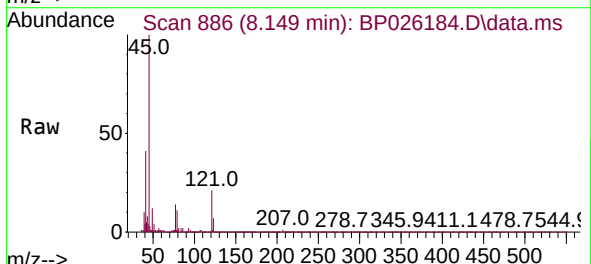
Manual Integrations
APPROVED

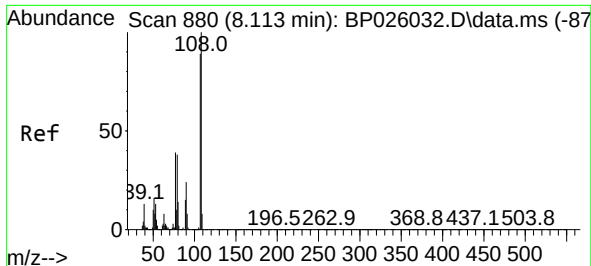
Reviewed By :Jagrut Upadhyay 11/24/2025
Supervised By :mohammad ahmed 11/26/2025



#16
2,2'-oxybis(1-Chloropropane)
Concen: 3.619 ng
RT: 8.149 min Scan# 886
Delta R.T. -0.047 min
Lab File: BP026184.D
Acq: 21 Nov 2025 14:51

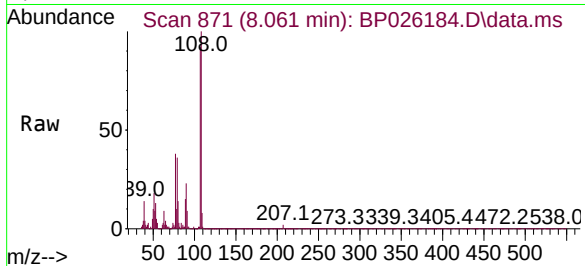
Tgt Ion: 45 Resp: 160110
Ion Ratio Lower Upper
45 100
77 14.3 0.0 33.9
79 10.6 0.0 30.4





#17
2-Methylphenol
Concen: 3.249 ng
RT: 8.061 min Scan# 81
Delta R.T. -0.053 min
Lab File: BP026184.D
Acq: 21 Nov 2025 14:51

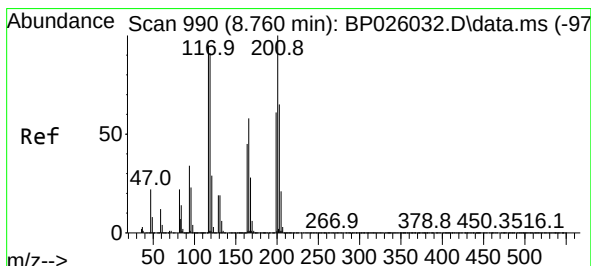
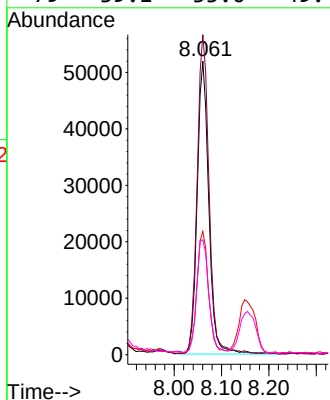
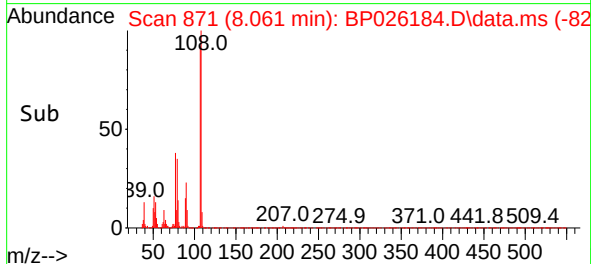
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT4-2025



Tgt Ion:107 Resp: 88993
Ion Ratio Lower Upper
107 100
108 109.1 89.7 134.5
77 42.0 33.9 50.9
79 39.1 33.0 49.4

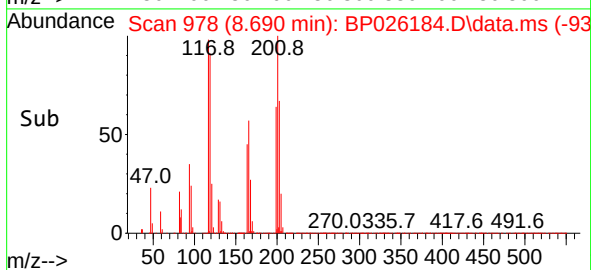
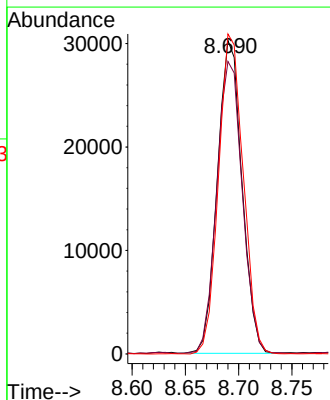
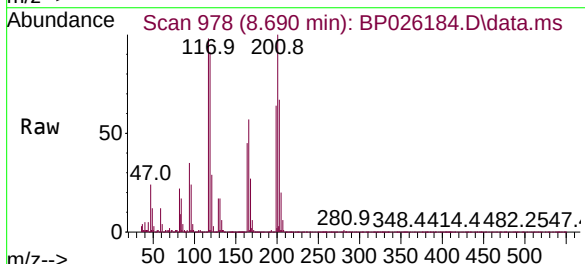
Manual Integrations
APPROVED

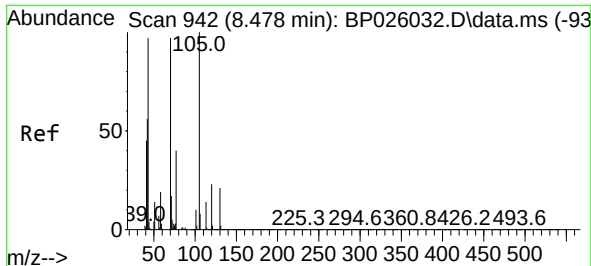
Reviewed By :Jagrut Upadhyay 11/24/2025
Supervised By :mohammad ahmed 11/26/2025



#18
Hexachloroethane
Concen: 3.676 ng
RT: 8.690 min Scan# 978
Delta R.T. -0.053 min
Lab File: BP026184.D
Acq: 21 Nov 2025 14:51

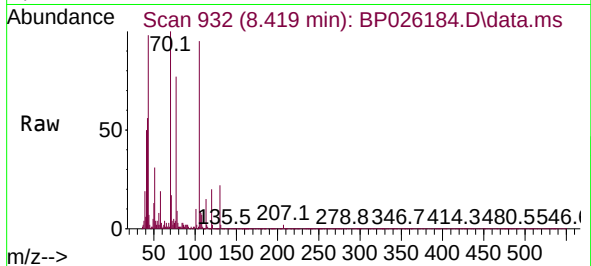
Tgt Ion:117 Resp: 48495
Ion Ratio Lower Upper
117 100
119 93.3 78.7 118.1
201 102.1 85.1 127.7





#19
n-Nitroso-di-n-propylamine
Concen: 3.038 ng
RT: 8.419 min Scan# 91
Delta R.T. -0.053 min
Lab File: BP026184.D
Acq: 21 Nov 2025 14:51

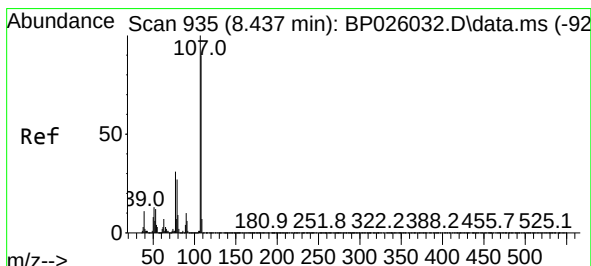
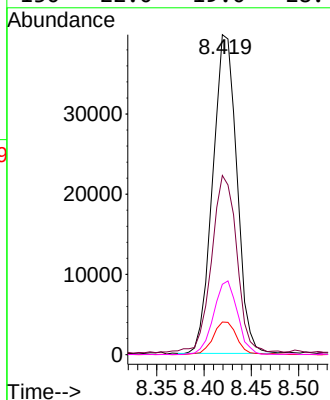
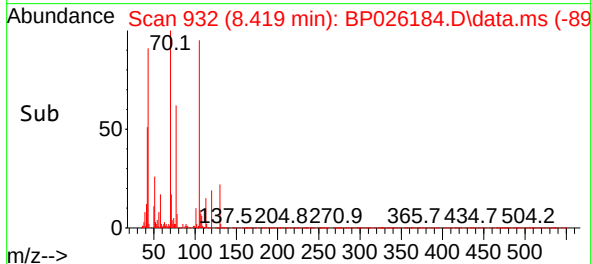
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT4-2025



Tgt Ion: 70 Resp: 70499
Ion Ratio Lower Upper
70 100
42 56.0 44.1 66.1
101 10.2 8.2 12.4
130 22.0 19.0 28.4

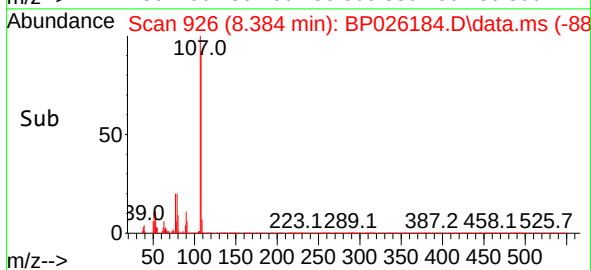
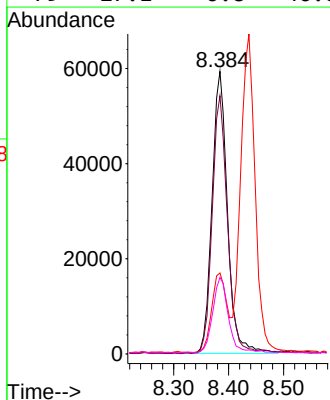
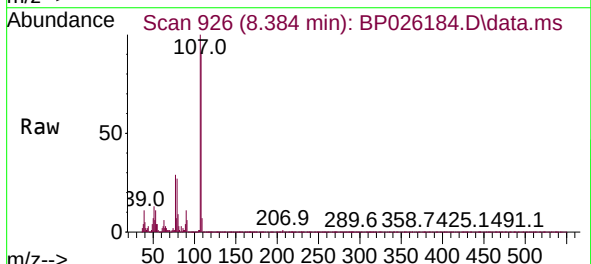
Manual Integrations
APPROVED

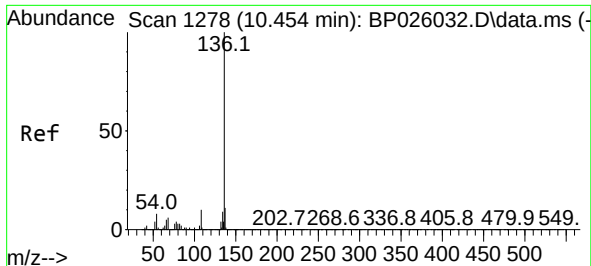
Reviewed By :Jagrut Upadhyay 11/24/2025
Supervised By :mohammad ahmed 11/26/2025



#20
3+4-Methylphenols
Concen: 3.044 ng
RT: 8.384 min Scan# 926
Delta R.T. -0.053 min
Lab File: BP026184.D
Acq: 21 Nov 2025 14:51

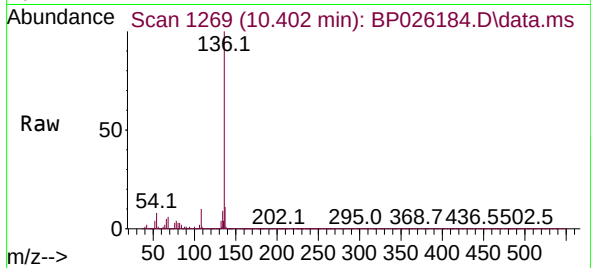
Tgt Ion:107 Resp: 115549
Ion Ratio Lower Upper
107 100
108 91.4 68.9 108.9
77 28.6 10.4 50.4
79 27.1 6.8 46.8





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.402 min Scan# 1278
Delta R.T. -0.047 min
Lab File: BP026184.D
Acq: 21 Nov 2025 14:51

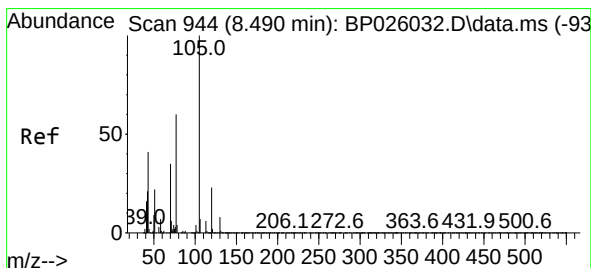
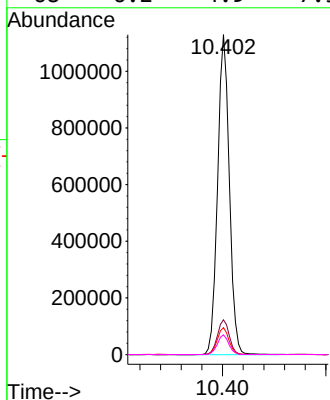
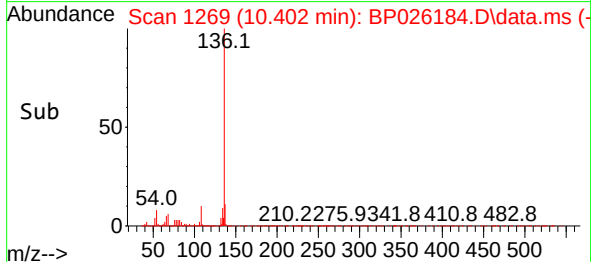
Instrument : BNA_P
ClientSampleId : MDL-SOIL-03-QT4-2025



Tgt Ion:136 Resp: 1776136
Ion Ratio Lower Upper
136 100
137 10.9 8.7 13.1
54 8.4 6.4 9.6
68 6.2 4.9 7.3

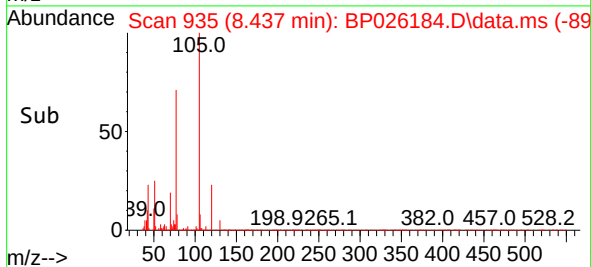
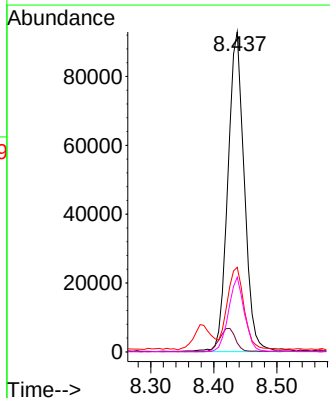
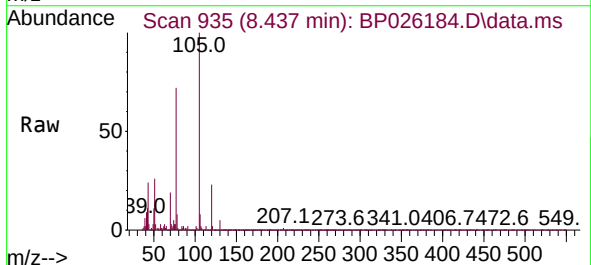
Manual Integrations
APPROVED

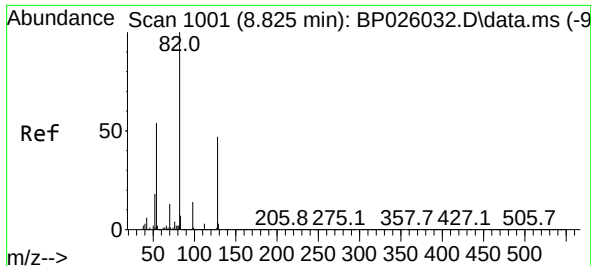
Reviewed By :Jagrut Upadhyay 11/24/2025
Supervised By :mohammad ahmed 11/26/2025



#22
Acetophenone
Concen: 3.713 ng
RT: 8.437 min Scan# 935
Delta R.T. -0.047 min
Lab File: BP026184.D
Acq: 21 Nov 2025 14:51

Tgt Ion:105 Resp: 167620
Ion Ratio Lower Upper
105 100
71 2.8 3.0 4.4#
51 26.4 20.5 30.7
120 23.3 18.2 27.2





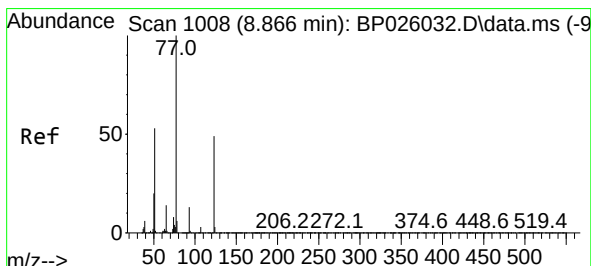
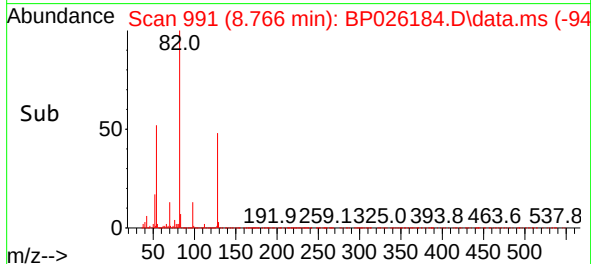
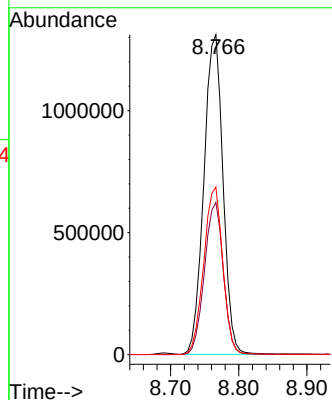
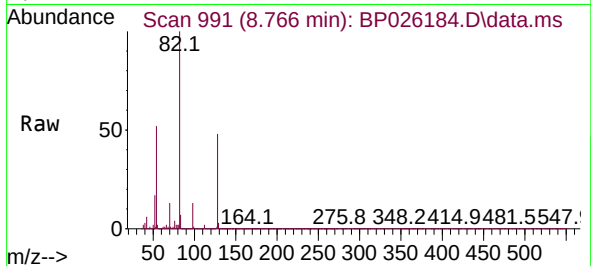
#23
Nitrobenzene-d5
Concen: 81.557 ng
RT: 8.766 min Scan# 991
Delta R.T. -0.047 min
Lab File: BP026184.D
Acq: 21 Nov 2025 14:51

Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT4-2025

Tgt Ion: 82 Resp: 2550179
Ion Ratio Lower Upper
82 100
128 47.5 37.4 56.0
54 52.4 41.6 62.4

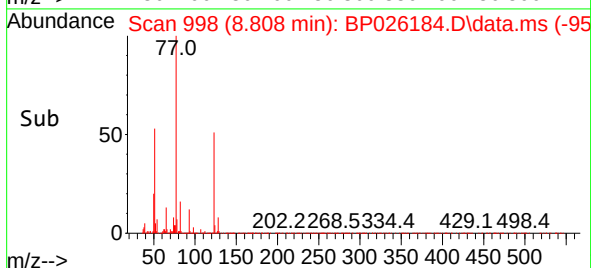
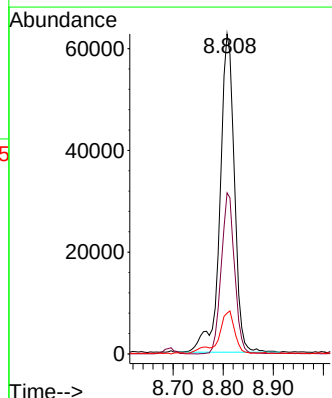
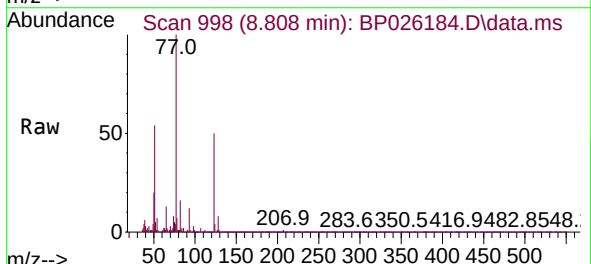
Manual Integrations
APPROVED

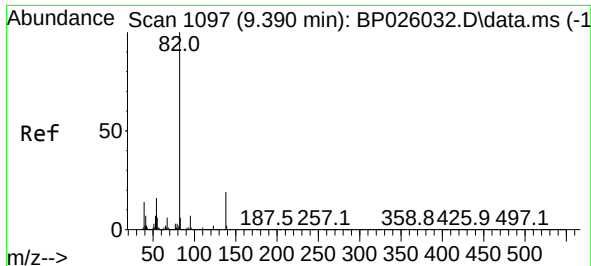
Reviewed By :Jagrut Upadhyay 11/24/2025
Supervised By :mohammad ahmed 11/26/2025



#24
Nitrobenzene
Concen: 3.953 ng
RT: 8.808 min Scan# 998
Delta R.T. -0.047 min
Lab File: BP026184.D
Acq: 21 Nov 2025 14:51

Tgt Ion: 77 Resp: 125031
Ion Ratio Lower Upper
77 100
123 50.3 39.8 59.8
65 12.7 11.2 16.8





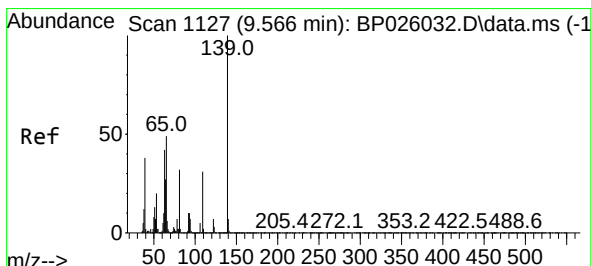
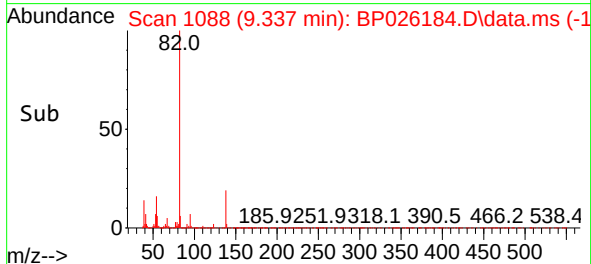
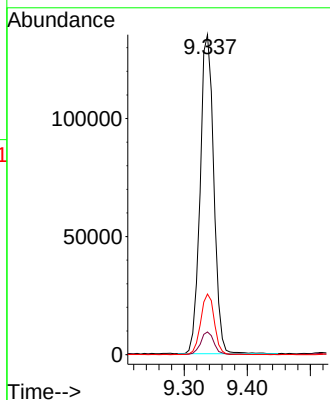
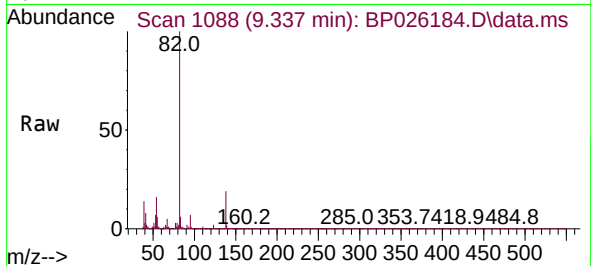
#25
Isophorone
Concen: 3.263 ng
RT: 9.337 min Scan# 1097
Delta R.T. -0.047 min
Lab File: BP026184.D
Acq: 21 Nov 2025 14:51

Instrument : BNA_P
ClientSampleId : MDL-SOIL-03-QT4-2025

Tgt Ion: 82 Resp: 202283
Ion Ratio Lower Upper
82 100
95 7.1 5.4 8.0
138 18.9 15.4 23.0

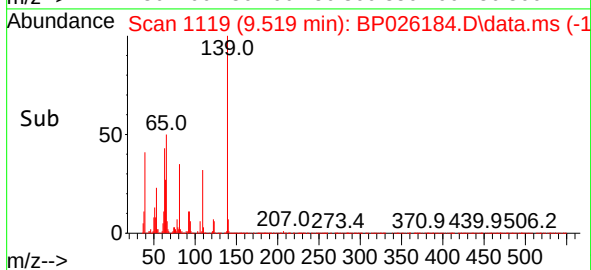
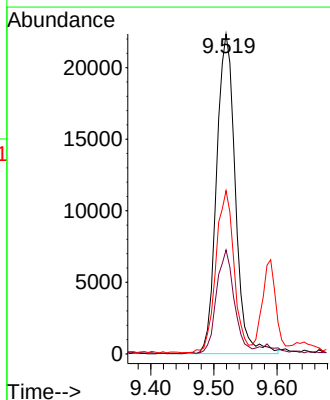
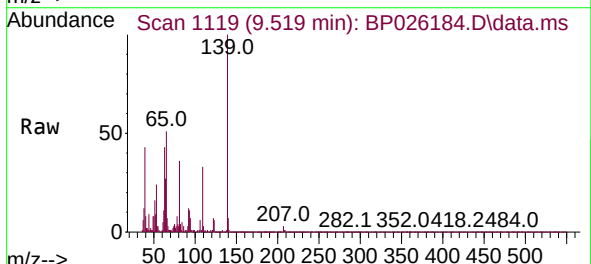
Manual Integrations
APPROVED

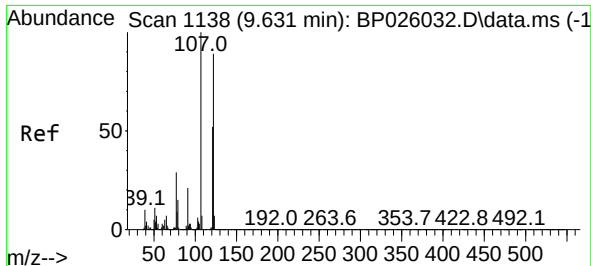
Reviewed By :Jagrut Upadhyay 11/24/2025
Supervised By :mohammad ahmed 11/26/2025



#26
2-Nitrophenol
Concen: 2.874 ng
RT: 9.519 min Scan# 1119
Delta R.T. -0.041 min
Lab File: BP026184.D
Acq: 21 Nov 2025 14:51

Tgt Ion:139 Resp: 45997
Ion Ratio Lower Upper
139 100
109 32.5 22.3 33.5
65 51.0 37.2 55.8





#27

2,4-Dimethylphenol

Concen: 3.316 ng

RT: 9.584 min Scan# 1130

Delta R.T. -0.041 min

Lab File: BP026184.D

Acq: 21 Nov 2025 14:51

Instrument :

BNA_P

ClientSampleId :

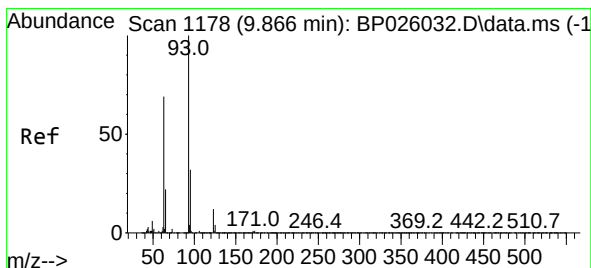
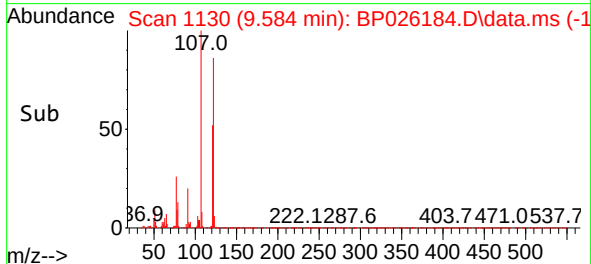
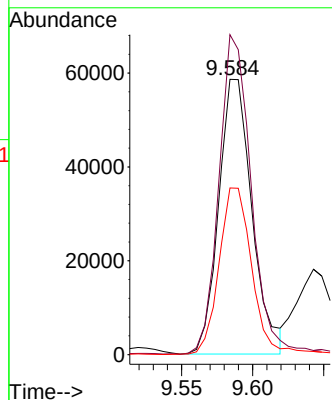
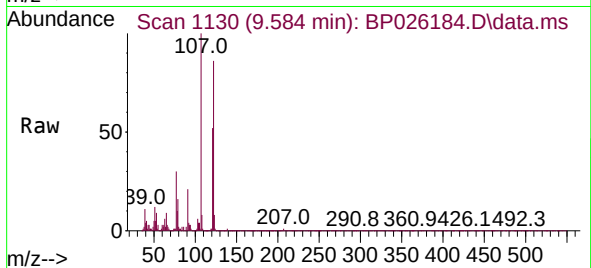
MDL-SOIL-03-QT4-2025

Tgt Ion:	122	Resp:	95708
Ion Ratio	Lower	Upper	
122	100		
107	116.3	91.0	136.6
121	60.6	47.0	70.6

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 11/24/2025
Supervised By :mohammad ahmed 11/26/2025



#28

bis(2-Chloroethoxy)methane

Concen: 3.520 ng

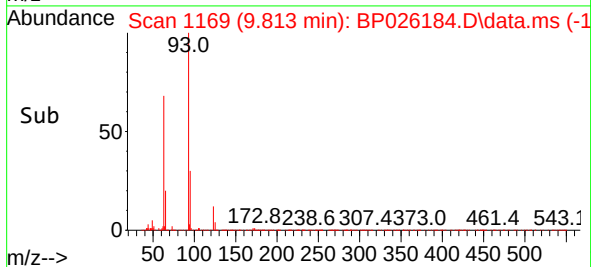
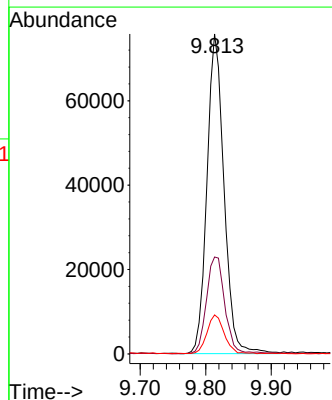
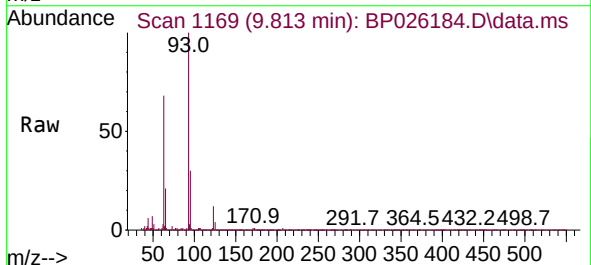
RT: 9.813 min Scan# 1169

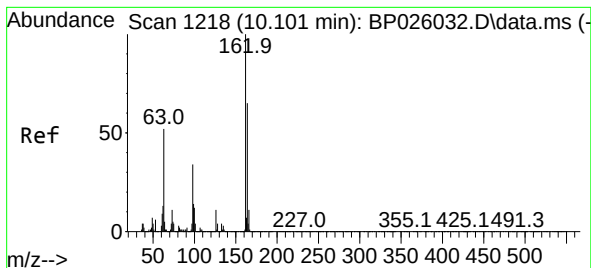
Delta R.T. -0.047 min

Lab File: BP026184.D

Acq: 21 Nov 2025 14:51

Tgt Ion:	93	Resp:	136645
Ion Ratio	Lower	Upper	
93	100		
95	30.3	26.4	39.6
123	12.2	9.4	14.0





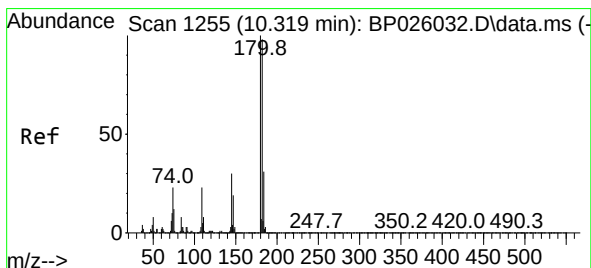
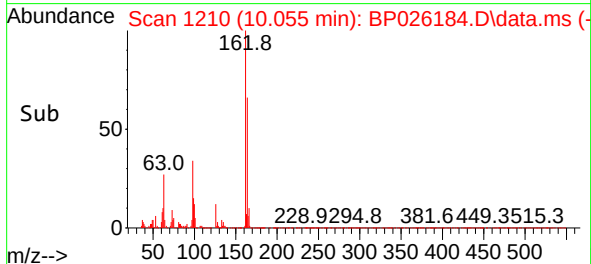
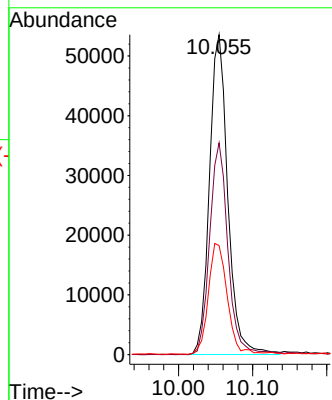
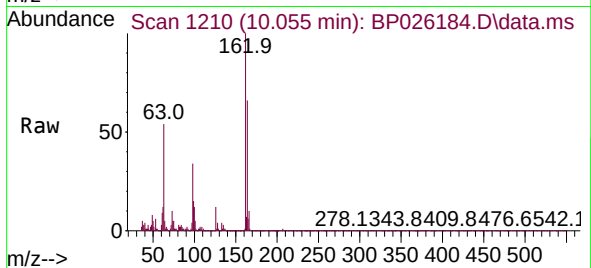
#29
2,4-Dichlorophenol
Concen: 3.189 ng
RT: 10.055 min Scan# 1218
Delta R.T. -0.041 min
Lab File: BP026184.D
Acq: 21 Nov 2025 14:51

Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT4-2025

Tgt Ion:162 Resp: 91973
Ion Ratio Lower Upper
162 100
164 66.2 43.8 83.8
98 34.1 14.1 54.1

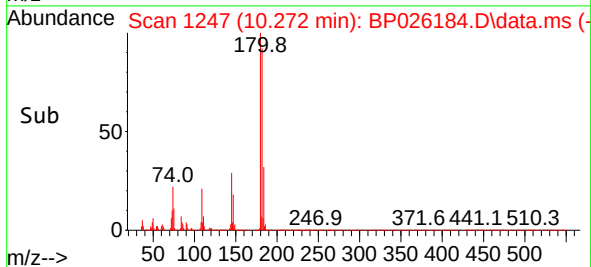
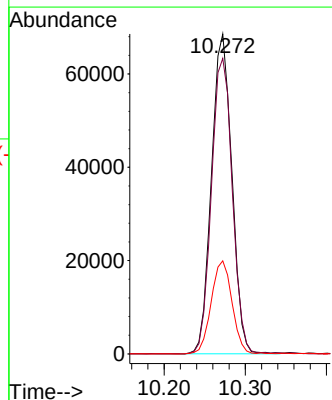
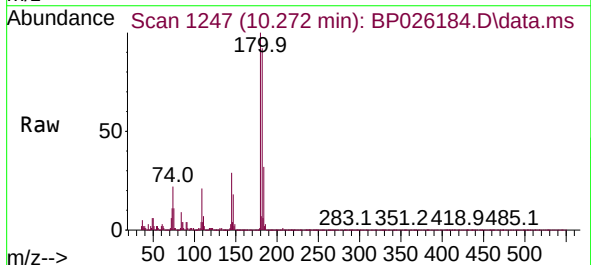
Manual Integrations
APPROVED

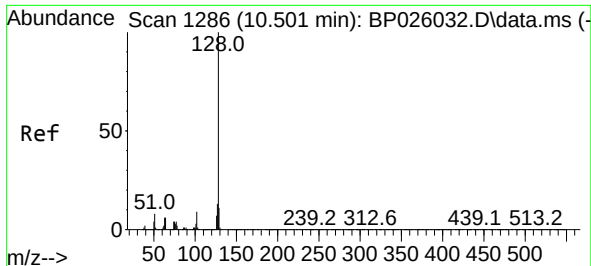
Reviewed By :Jagrut Upadhyay 11/24/2025
Supervised By :mohammad ahmed 11/26/2025



#30
1,2,4-Trichlorobenzene
Concen: 4.075 ng
RT: 10.272 min Scan# 1247
Delta R.T. -0.035 min
Lab File: BP026184.D
Acq: 21 Nov 2025 14:51

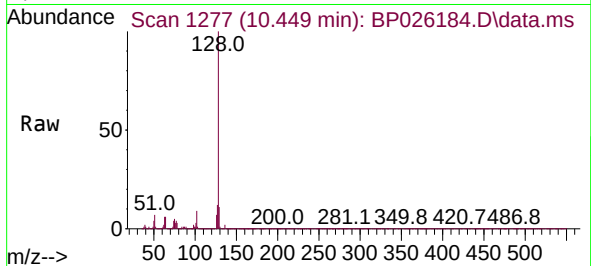
Tgt Ion:180 Resp: 119691
Ion Ratio Lower Upper
180 100
182 92.3 78.1 117.1
145 29.1 24.2 36.4





#31
Naphthalene
Concen: 3.700 ng
RT: 10.449 min Scan# 1140
Delta R.T. -0.047 min
Lab File: BP026184.D
Acq: 21 Nov 2025 14:51

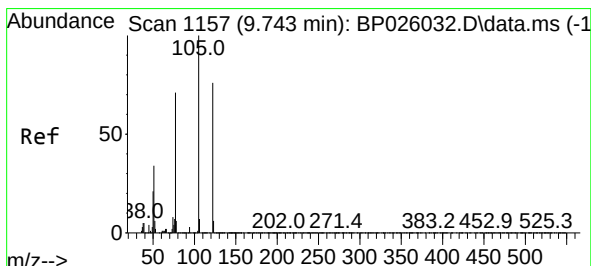
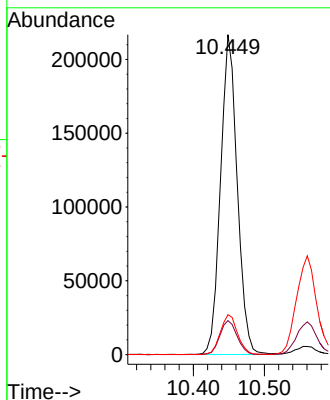
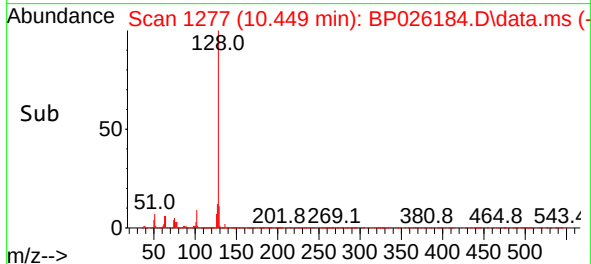
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT4-2025



Tgt Ion:128 Resp: 355134
Ion Ratio Lower Upper
128 100
129 10.6 9.0 13.6
127 12.5 10.2 15.4

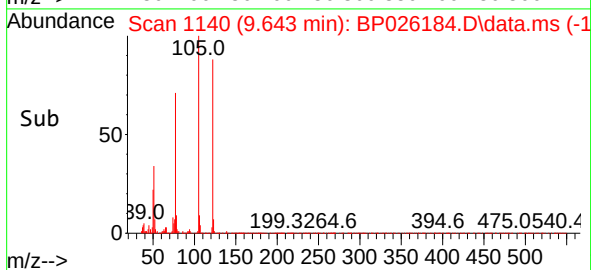
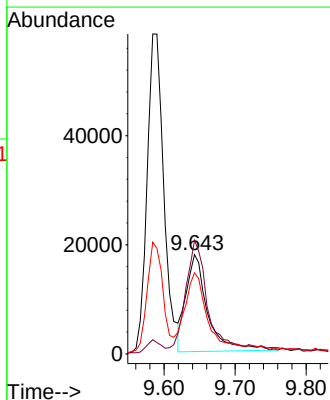
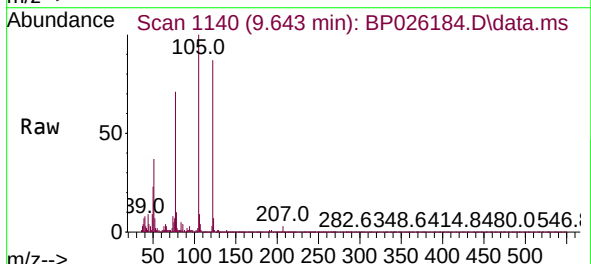
Manual Integrations
APPROVED

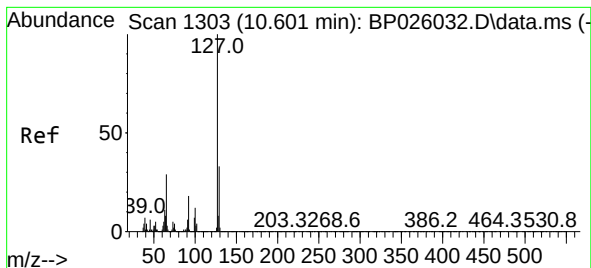
Reviewed By :Jagrut Upadhyay 11/24/2025
Supervised By :mohammad ahmed 11/26/2025



#32
Benzoic acid
Concen: 1.559 ng
RT: 9.643 min Scan# 1140
Delta R.T. -0.123 min
Lab File: BP026184.D
Acq: 21 Nov 2025 14:51

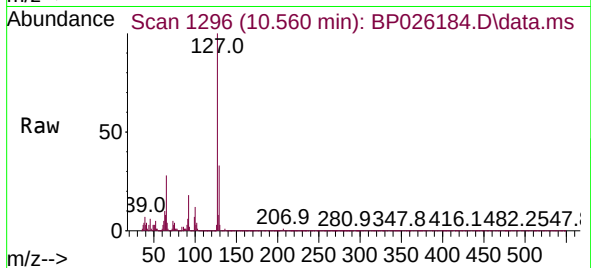
Tgt Ion:122 Resp: 37879
Ion Ratio Lower Upper
122 100
105 114.5 100.1 140.1
77 81.6 66.7 106.7





#33
4-Chloroaniline
Concen: 3.311 ng
RT: 10.560 min Scan# 1296
Delta R.T. -0.035 min
Lab File: BP026184.D
Acq: 21 Nov 2025 14:51

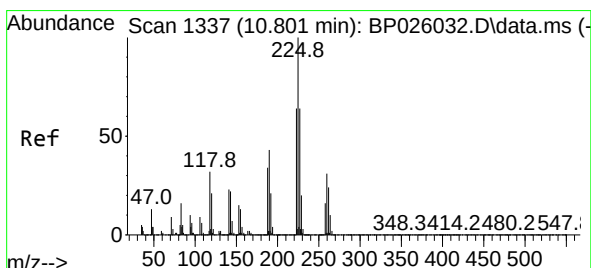
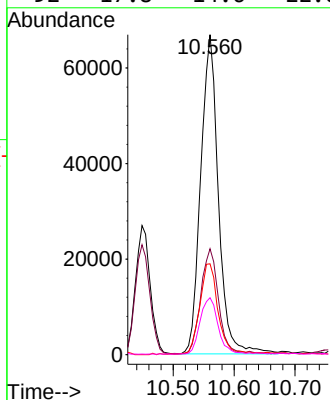
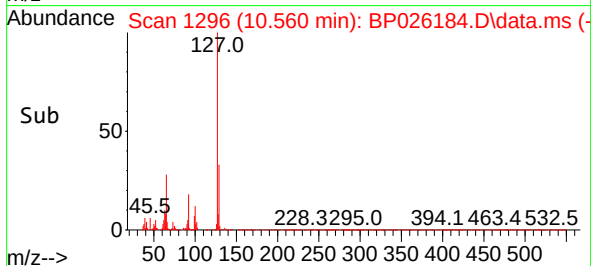
Instrument : BNA_P
ClientSampleId : MDL-SOIL-03-QT4-2025



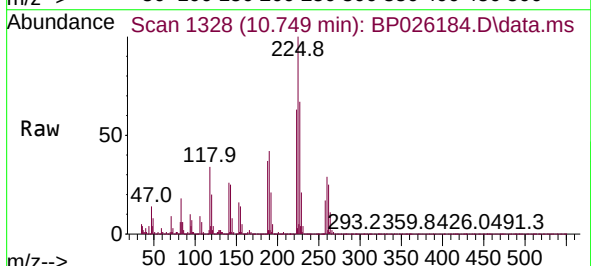
Tgt Ion:127 Resp: 135170
Ion Ratio Lower Upper
127 100
129 33.1 25.8 38.8
65 28.4 22.7 34.1
92 17.8 14.6 22.0

Manual Integrations
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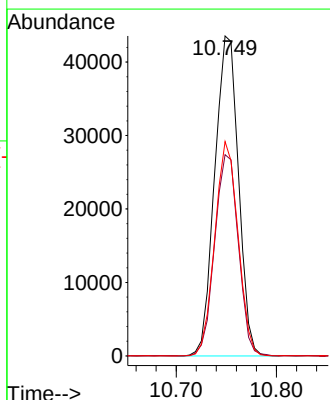
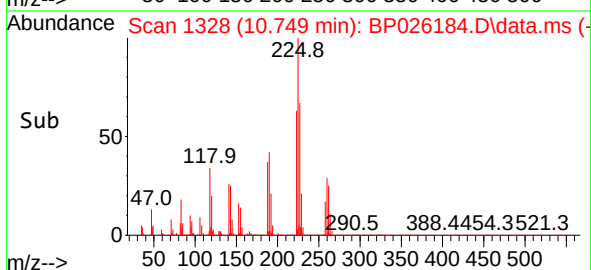
Reviewed By :Jagrut Upadhyay 11/24/2025
Supervised By :mohammad ahmed 11/26/2025

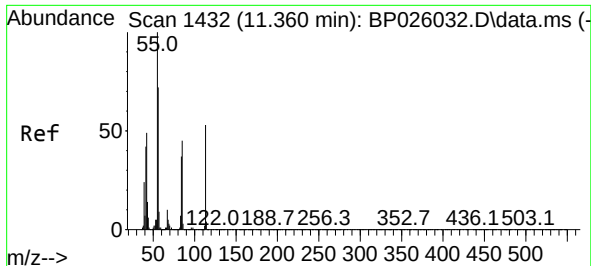


#34
Hexachlorobutadiene
Concen: 3.753 ng
RT: 10.749 min Scan# 1328
Delta R.T. -0.047 min
Lab File: BP026184.D
Acq: 21 Nov 2025 14:51



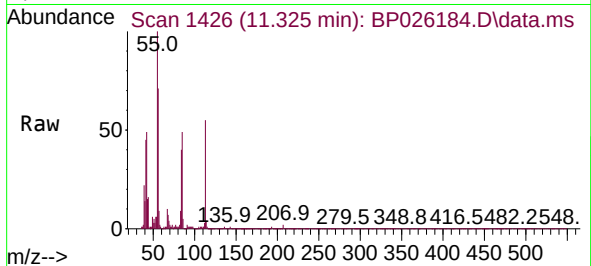
Tgt Ion:225 Resp: 71702
Ion Ratio Lower Upper
225 100
223 62.9 49.6 74.4
227 67.0 51.2 76.8





#35
Caprolactam
Concen: 2.382 ng
RT: 11.325 min Scan# 1432
Delta R.T. -0.053 min
Lab File: BP026184.D
Acq: 21 Nov 2025 14:51

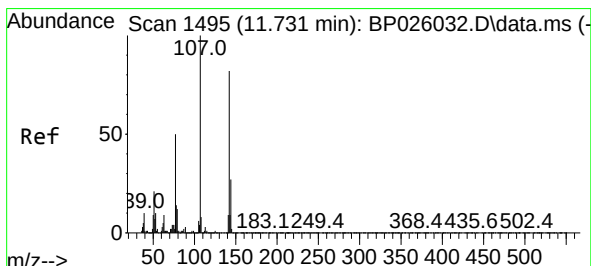
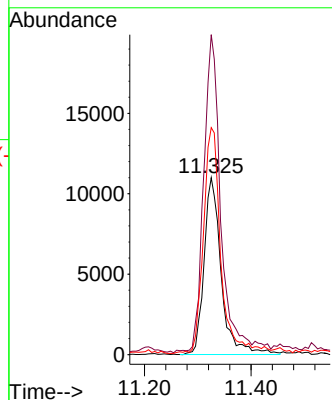
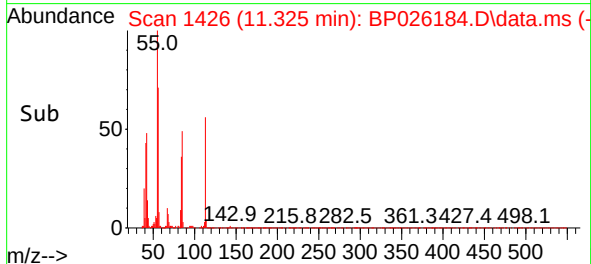
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT4-2025



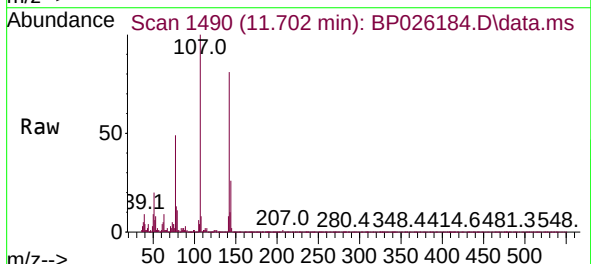
Tgt Ion:113 Resp: 2460
Ion Ratio Lower Upper
113 100
55 180.9 153.0 193.0
56 128.3 106.4 146.4

Manual Integrations
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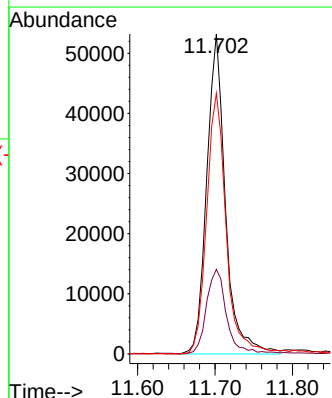
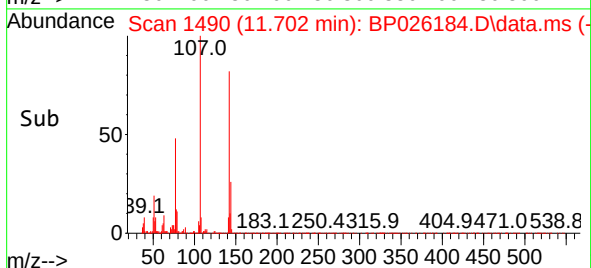
Reviewed By :Jagrut Upadhyay 11/24/2025
Supervised By :mohammad ahmed 11/26/2025

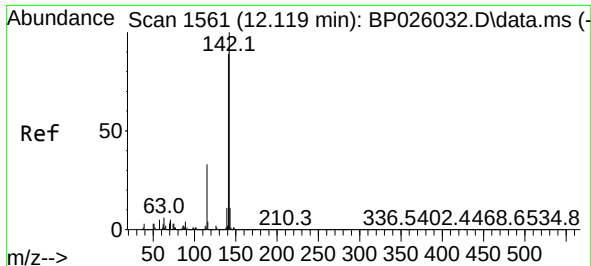


#36
4-Chloro-3-methylphenol
Concen: 2.912 ng
RT: 11.702 min Scan# 1490
Delta R.T. -0.029 min
Lab File: BP026184.D
Acq: 21 Nov 2025 14:51



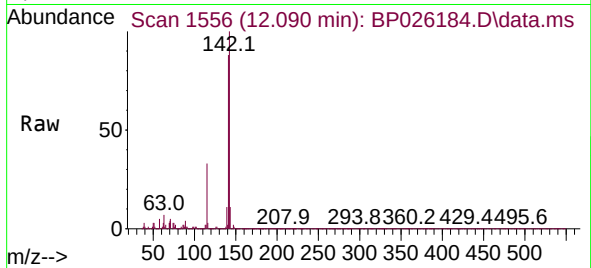
Tgt Ion:107 Resp: 89270
Ion Ratio Lower Upper
107 100
144 26.4 21.6 32.4
142 81.4 65.6 98.4





#37
2-Methylnaphthalene
Concen: 3.097 ng
RT: 12.090 min Scan# 1556
Delta R.T. -0.023 min
Lab File: BP026184.D
Acq: 21 Nov 2025 14:51

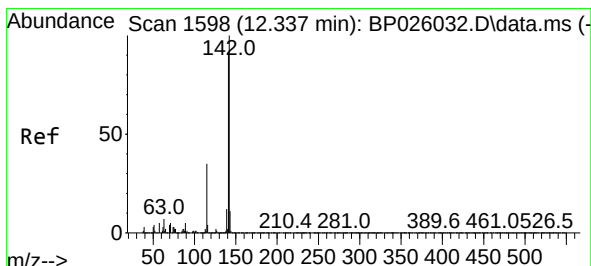
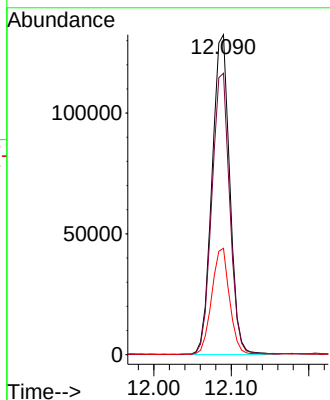
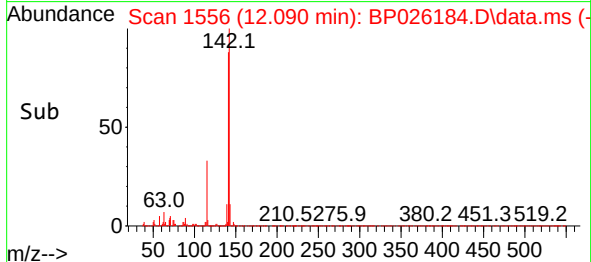
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT4-2025



Tgt Ion:142 Resp: 210780
Ion Ratio Lower Upper
142 100
141 87.9 71.0 106.6
115 33.2 26.6 39.8

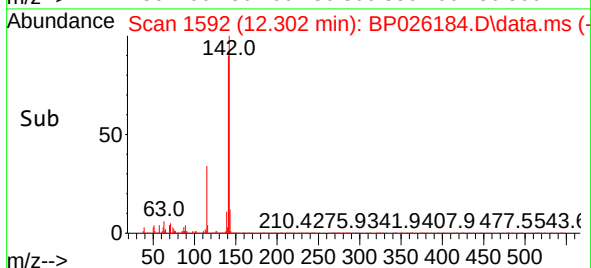
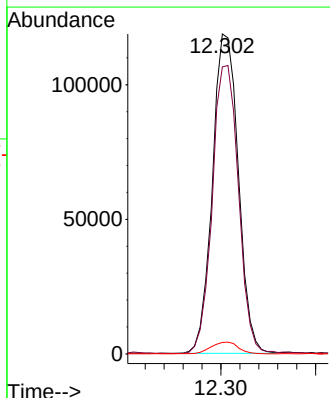
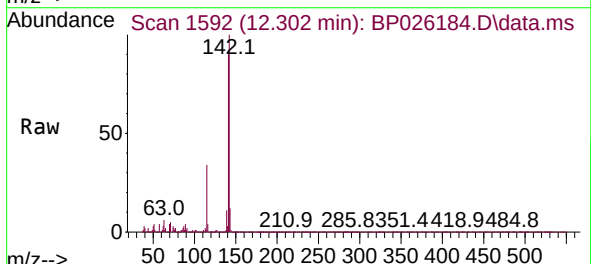
Manual Integrations
APPROVED

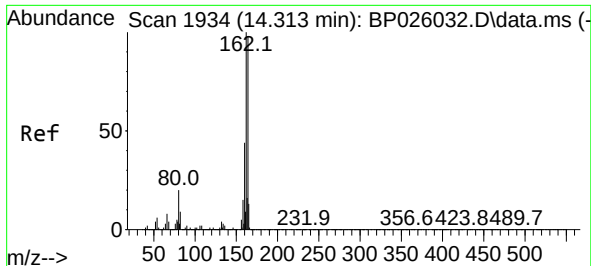
Reviewed By :Jagrut Upadhyay 11/24/2025
Supervised By :mohammad ahmed 11/26/2025



#38
1-Methylnaphthalene
Concen: 3.394 ng
RT: 12.302 min Scan# 1592
Delta R.T. -0.029 min
Lab File: BP026184.D
Acq: 21 Nov 2025 14:51

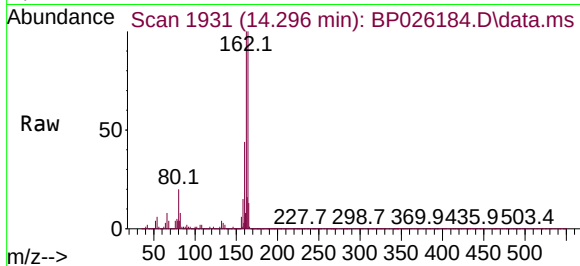
Tgt Ion:142 Resp: 225768
Ion Ratio Lower Upper
142 100
141 89.7 73.5 110.3
116 3.6 3.0 4.4





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.296 min Scan# 1934
Delta R.T. -0.029 min
Lab File: BP026184.D
Acq: 21 Nov 2025 14:51

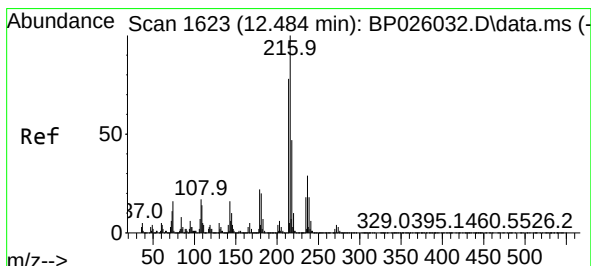
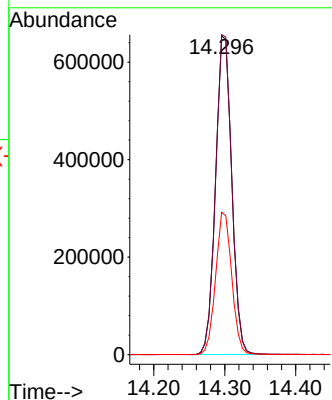
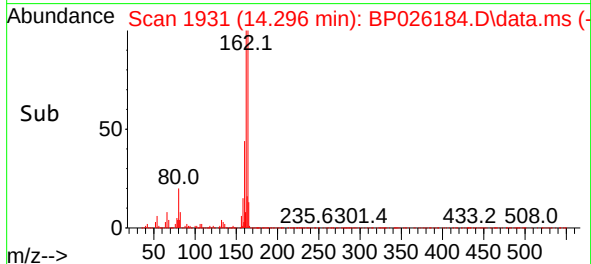
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT4-2025



Tgt Ion:164 Resp: 1039504
Ion Ratio Lower Upper
164 100
162 100.4 80.3 120.5
160 44.6 35.2 52.8

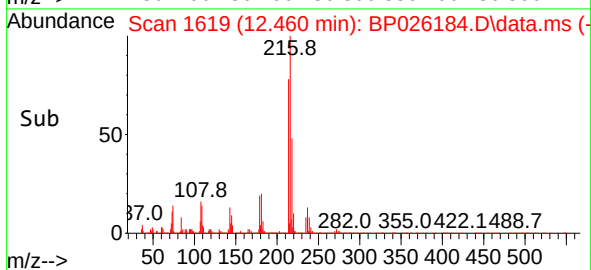
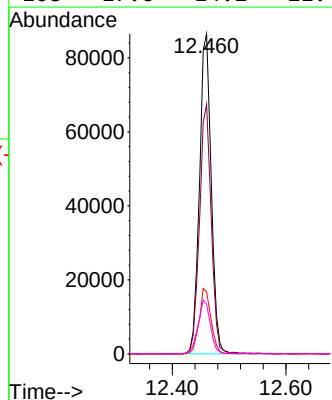
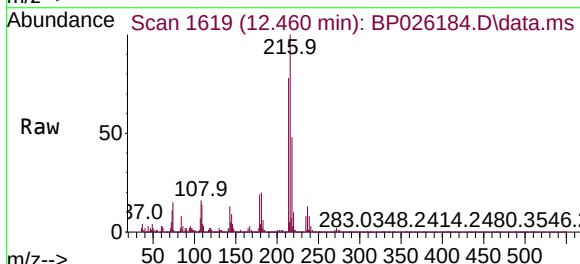
Manual Integrations
APPROVED

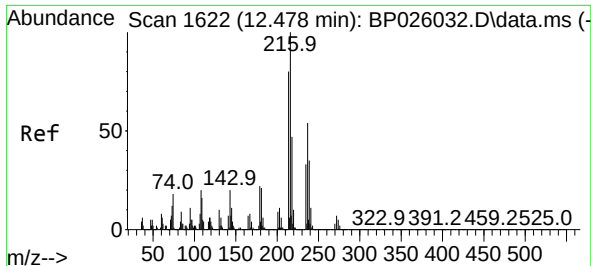
Reviewed By :Jagrut Upadhyay 11/24/2025
Supervised By :mohammad ahmed 11/26/2025



#40
1,2,4,5-Tetrachlorobenzene
Concen: 3.945 ng
RT: 12.460 min Scan# 1619
Delta R.T. -0.029 min
Lab File: BP026184.D
Acq: 21 Nov 2025 14:51

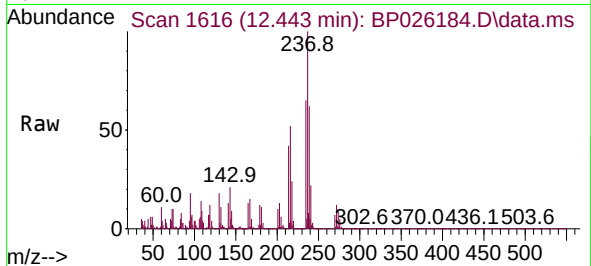
Tgt Ion:216 Resp: 123994
Ion Ratio Lower Upper
216 100
214 77.9 62.6 94.0
179 20.5 16.6 25.0
108 17.6 14.2 21.4





#41
Hexachlorocyclopentadiene
Concen: 2.946 ng
RT: 12.443 min Scan# 1616
Delta R.T. -0.029 min
Lab File: BP026184.D
Acq: 21 Nov 2025 14:51

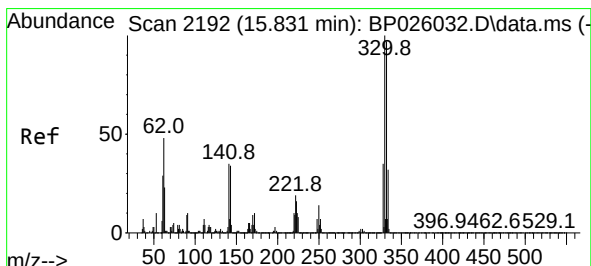
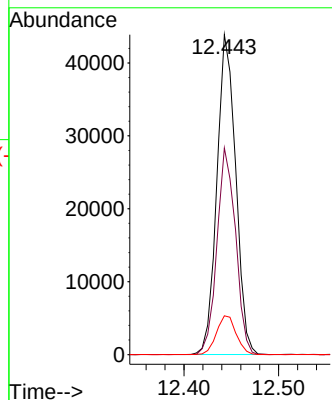
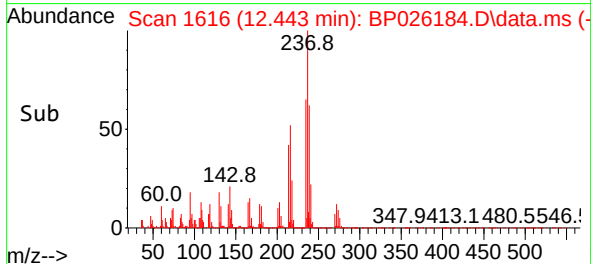
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT4-2025



Tgt Ion: 237 Resp: 60601
Ion Ratio Lower Upper
237 100
235 64.6 43.3 83.3
272 12.1 0.0 32.9

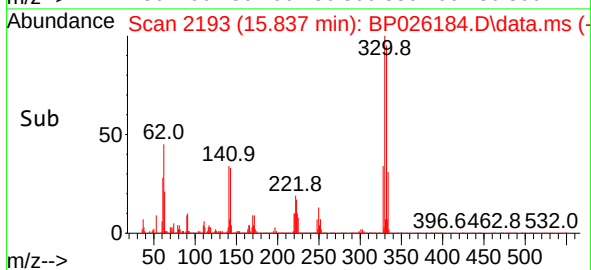
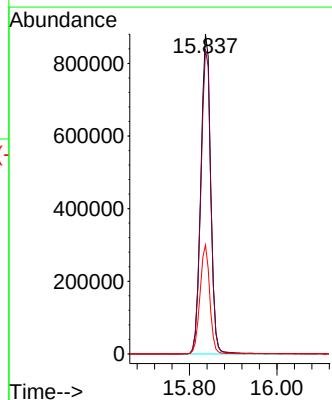
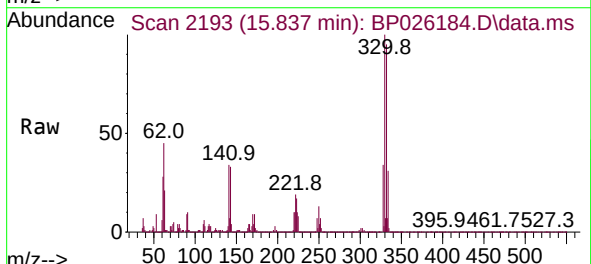
Manual Integrations
APPROVED

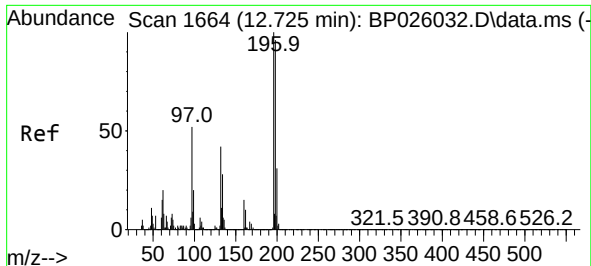
Reviewed By :Jagrut Upadhyay 11/24/2025
Supervised By :mohammad ahmed 11/26/2025



#42
2,4,6-Tribromophenol
Concen: 101.189 ng
RT: 15.837 min Scan# 2193
Delta R.T. 0.000 min
Lab File: BP026184.D
Acq: 21 Nov 2025 14:51

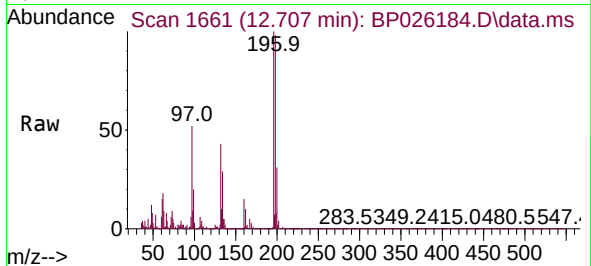
Tgt Ion: 330 Resp: 1364517
Ion Ratio Lower Upper
330 100
332 96.3 78.0 117.0
141 33.6 26.8 40.2





#43
2,4,6-Trichlorophenol
Concen: 3.243 ng
RT: 12.707 min Scan# 1661
Delta R.T. -0.017 min
Lab File: BP026184.D
Acq: 21 Nov 2025 14:51

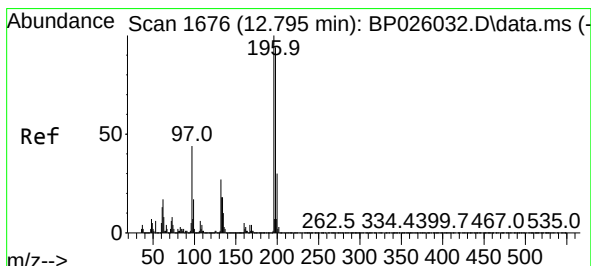
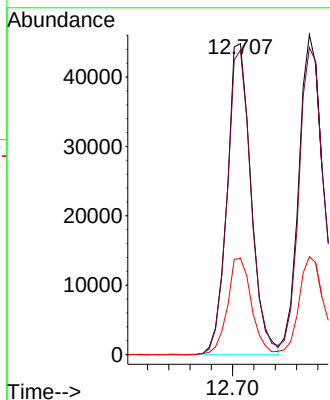
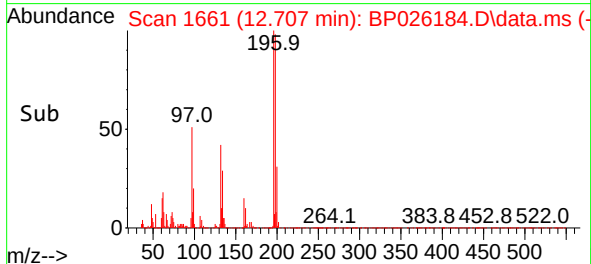
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT4-2025



Tgt Ion:196 Resp: 69872
Ion Ratio Lower Upper
196 100
198 97.9 76.9 115.3
200 31.0 24.6 37.0

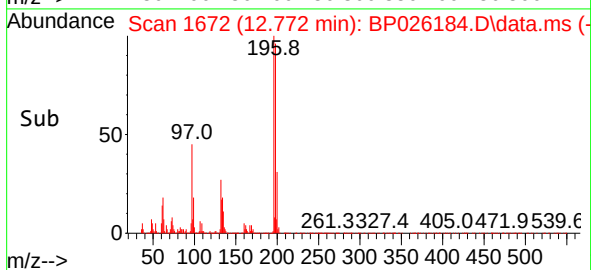
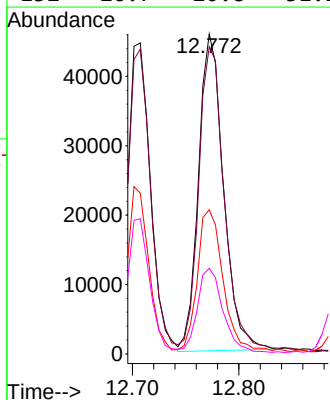
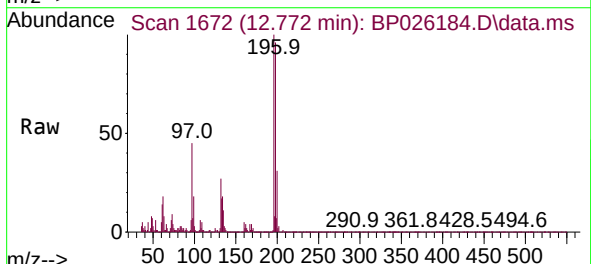
Manual Integrations
APPROVED

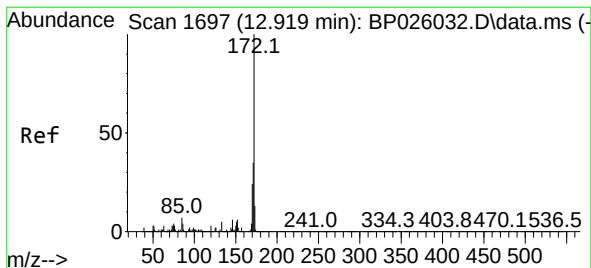
Reviewed By :Jagrut Upadhyay 11/24/2025
Supervised By :mohammad ahmed 11/26/2025



#44
2,4,5-Trichlorophenol
Concen: 3.098 ng
RT: 12.772 min Scan# 1672
Delta R.T. -0.029 min
Lab File: BP026184.D
Acq: 21 Nov 2025 14:51

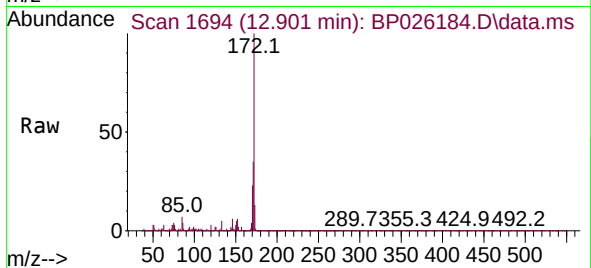
Tgt Ion:196 Resp: 74525
Ion Ratio Lower Upper
196 100
198 96.0 76.4 114.6
97 45.0 35.7 53.5
132 26.7 20.8 31.2





#45
2-Fluorobiphenyl
Concen: 81.168 ng
RT: 12.901 min Scan# 1697
Delta R.T. -0.029 min
Lab File: BP026184.D
Acq: 21 Nov 2025 14:51

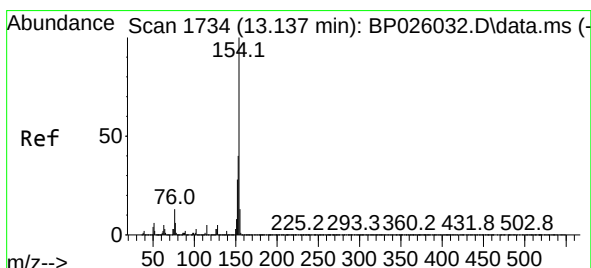
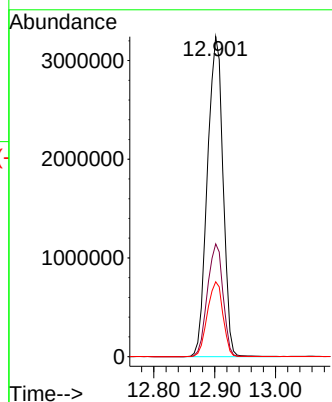
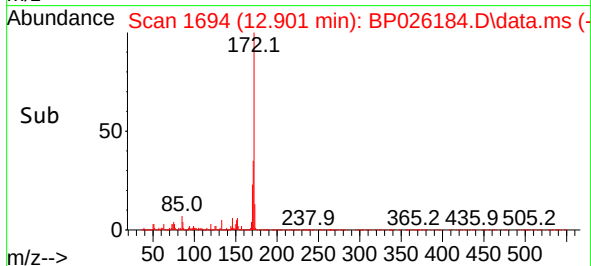
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT4-2025



Tgt Ion:172 Resp: 5757014
Ion Ratio Lower Upper
172 100
171 35.2 28.2 42.4
170 23.4 18.7 28.1

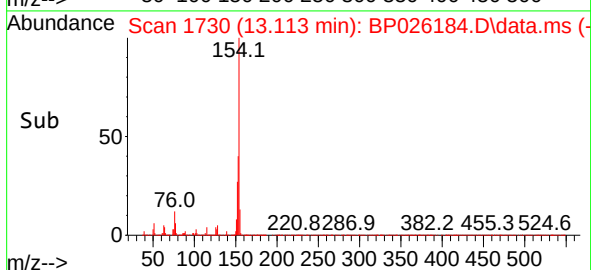
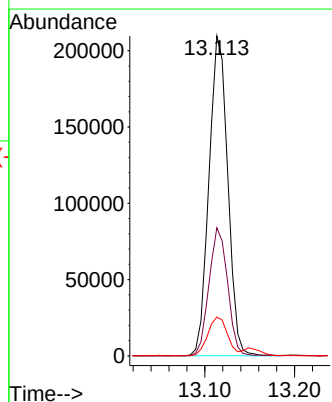
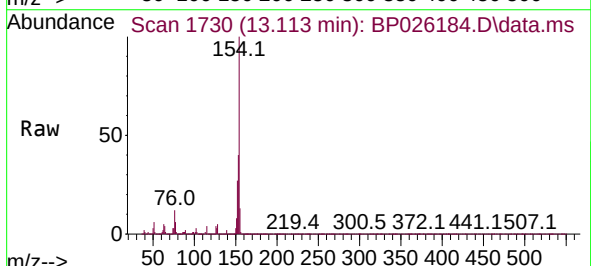
Manual Integrations
APPROVED

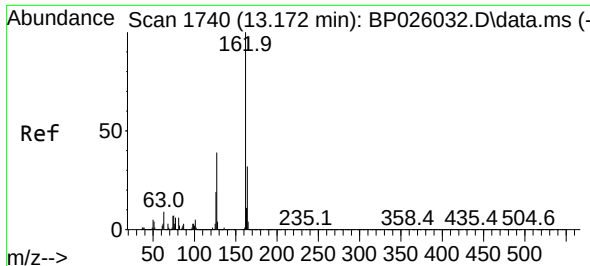
Reviewed By :Jagrut Upadhyay 11/24/2025
Supervised By :mohammad ahmed 11/26/2025



#46
1,1'-Biphenyl
Concen: 3.919 ng
RT: 13.113 min Scan# 1730
Delta R.T. -0.023 min
Lab File: BP026184.D
Acq: 21 Nov 2025 14:51

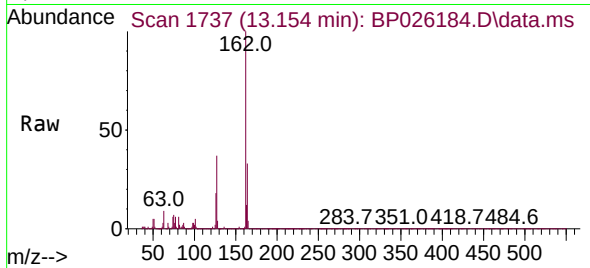
Tgt Ion:154 Resp: 306744
Ion Ratio Lower Upper
154 100
153 40.0 20.3 60.3
76 12.1 0.0 32.3





#47
2-Chloronaphthalene
Concen: 3.805 ng
RT: 13.154 min Scan# 1737
Delta R.T. -0.029 min
Lab File: BP026184.D
Acq: 21 Nov 2025 14:51

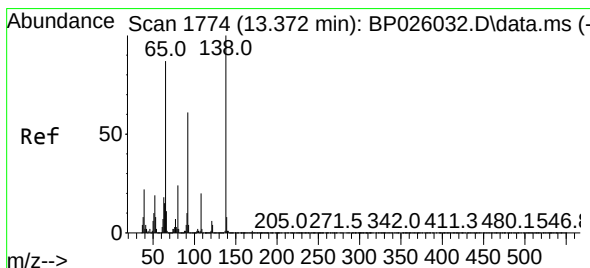
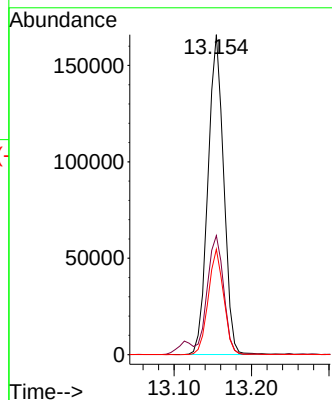
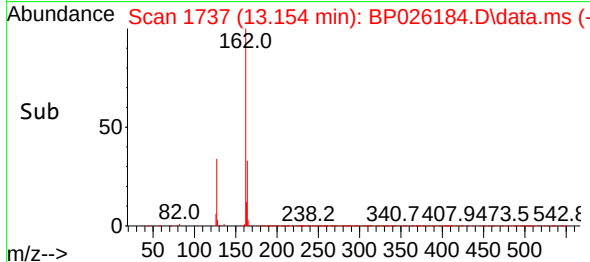
Instrument : BNA_P
ClientSampleId : MDL-SOIL-03-QT4-2025



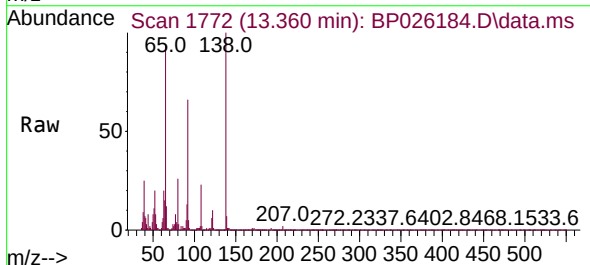
Tgt Ion:162 Resp: 234204
Ion Ratio Lower Upper
162 100
127 37.2 30.9 46.3
164 32.9 26.4 39.6

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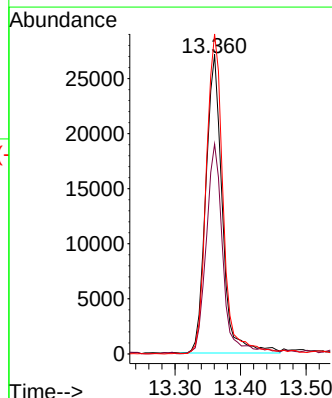
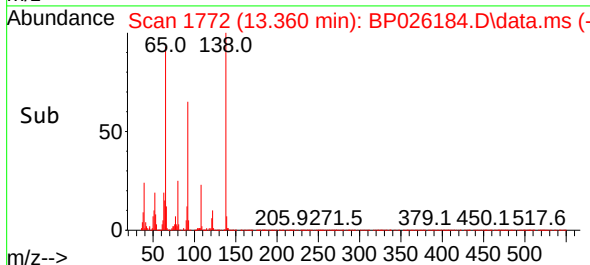
Reviewed By :Jagrut Upadhyay 11/24/2025
Supervised By :mohammad ahmed 11/26/2025

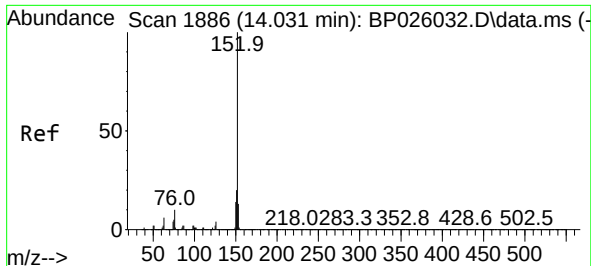


#48
2-Nitroaniline
Concen: 2.762 ng
RT: 13.360 min Scan# 1772
Delta R.T. -0.017 min
Lab File: BP026184.D
Acq: 21 Nov 2025 14:51



Tgt Ion: 65 Resp: 47278
Ion Ratio Lower Upper
65 100
92 70.1 59.1 88.7
138 106.9 96.6 145.0





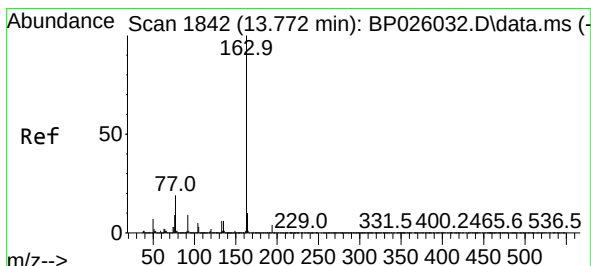
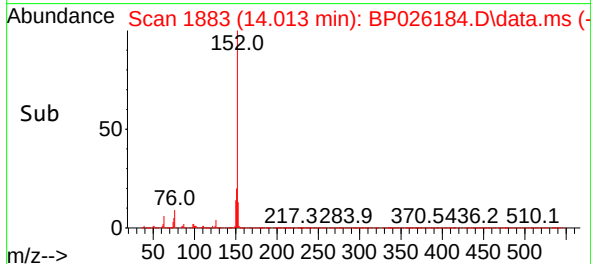
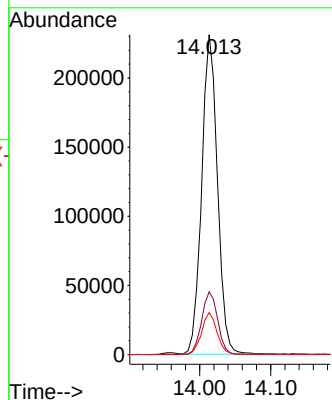
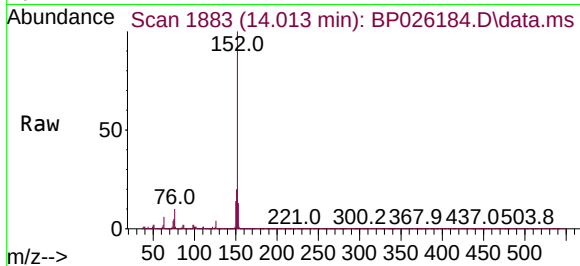
#49
Acenaphthylene
Concen: 3.494 ng
RT: 14.013 min Scan# 1886
Delta R.T. -0.023 min
Lab File: BP026184.D
Acq: 21 Nov 2025 14:51

Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT4-2025

Tgt Ion:152 Resp: 354708
Ion Ratio Lower Upper
152 100
151 19.6 15.8 23.8
153 13.1 10.6 16.0

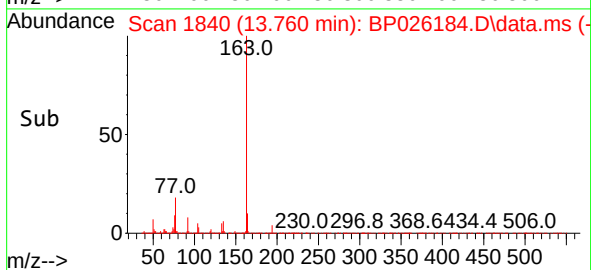
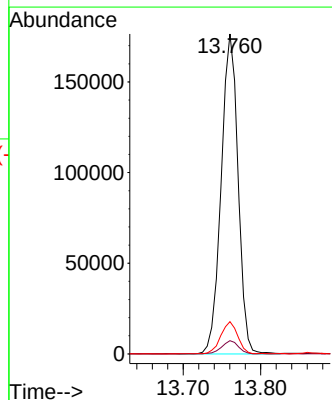
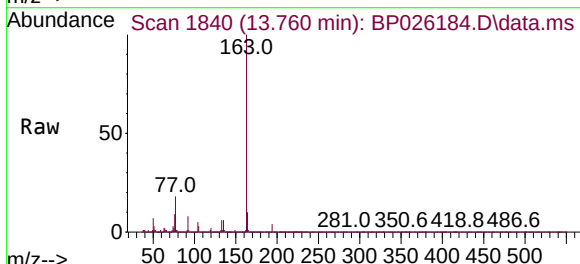
Manual Integrations
APPROVED

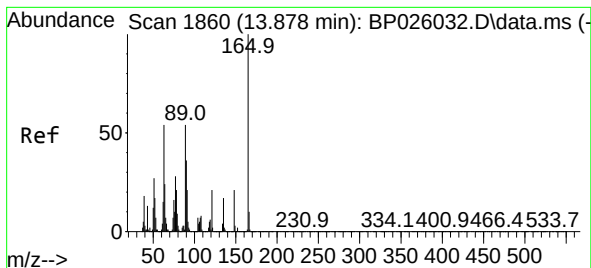
Reviewed By :Jagrut Upadhyay 11/24/2025
Supervised By :mohammad ahmed 11/26/2025



#50
Dimethylphthalate
Concen: 3.452 ng
RT: 13.760 min Scan# 1840
Delta R.T. -0.011 min
Lab File: BP026184.D
Acq: 21 Nov 2025 14:51

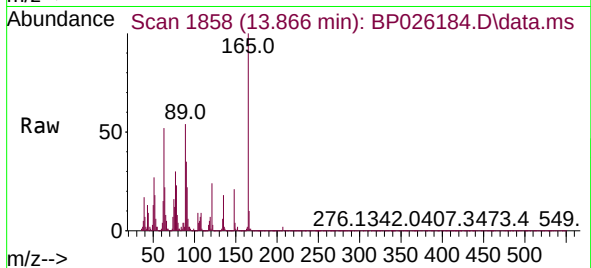
Tgt Ion:163 Resp: 267996
Ion Ratio Lower Upper
163 100
194 4.1 3.3 4.9
164 10.1 8.2 12.2





#51
2,6-Dinitrotoluene
Concen: 3.137 ng
RT: 13.866 min Scan# 1860
Delta R.T. -0.017 min
Lab File: BP026184.D
Acq: 21 Nov 2025 14:51

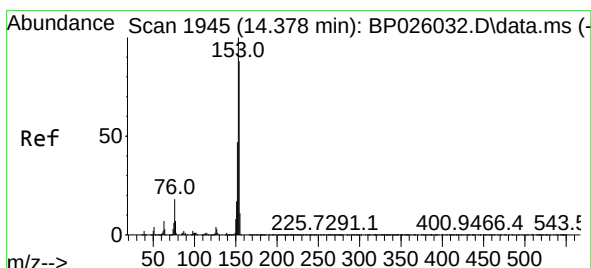
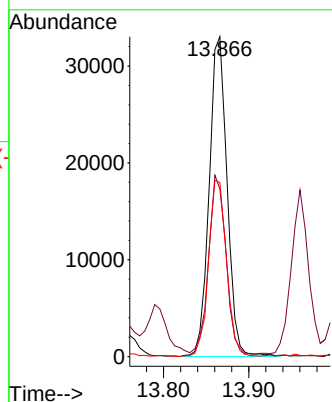
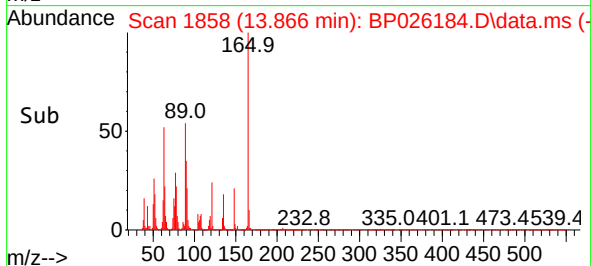
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT4-2025



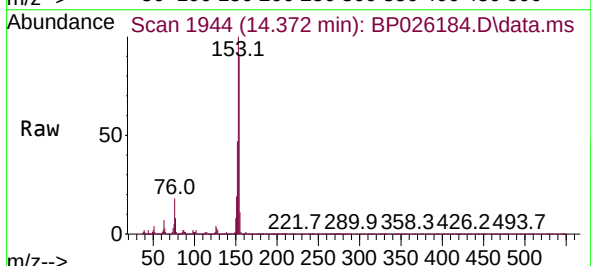
Tgt Ion:165 Resp: 48260
Ion Ratio Lower Upper
165 100
63 52.4 40.5 60.7
89 54.3 41.3 61.9

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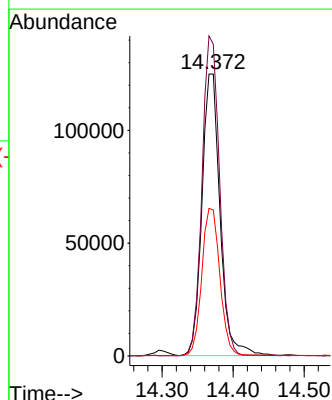
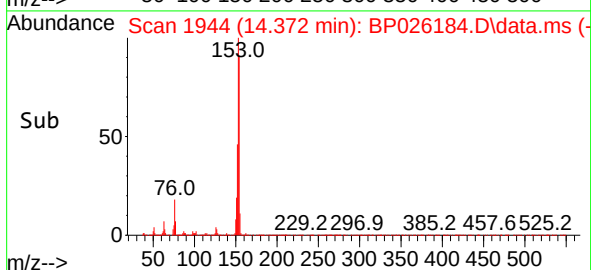
Reviewed By :Jagrut Upadhyay 11/24/2025
Supervised By :mohammad ahmed 11/26/2025

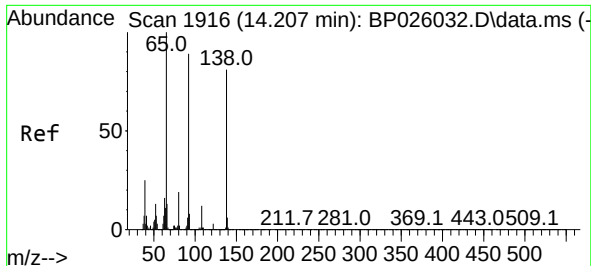


#52
Acenaphthene
Concen: 3.710 ng
RT: 14.372 min Scan# 1944
Delta R.T. -0.011 min
Lab File: BP026184.D
Acq: 21 Nov 2025 14:51



Tgt Ion:154 Resp: 220769
Ion Ratio Lower Upper
154 100
153 110.5 90.7 136.1
152 51.7 42.8 64.2





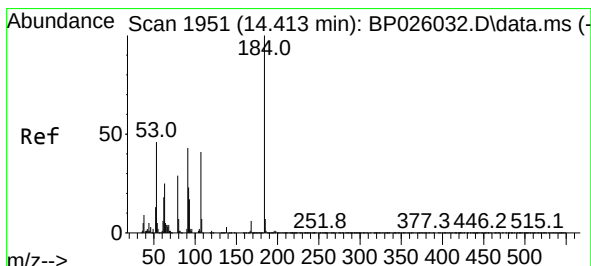
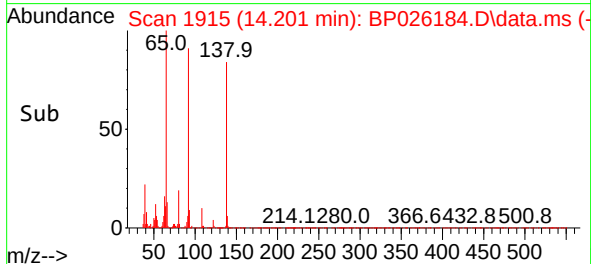
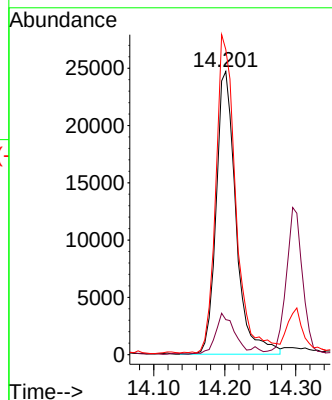
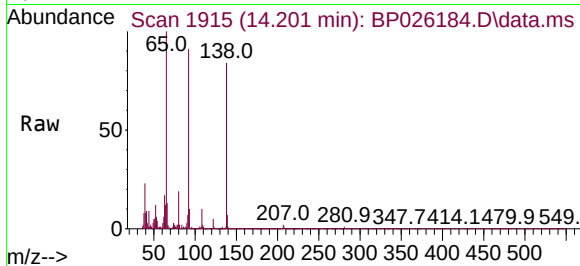
#53
3-Nitroaniline
Concen: 2.651 ng
RT: 14.201 min Scan# 1915
Delta R.T. -0.017 min
Lab File: BP026184.D
Acq: 21 Nov 2025 14:51

Instrument : BNA_P
ClientSampleId :
MDL-SOIL-03-QT4-2025

Tgt Ion:138 Resp: 48013
Ion Ratio Lower Upper
138 100
108 12.3 8.9 13.3
92 107.7 86.3 129.5

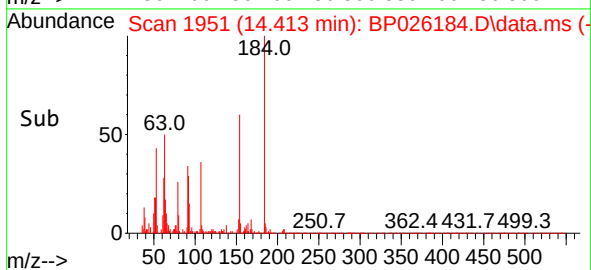
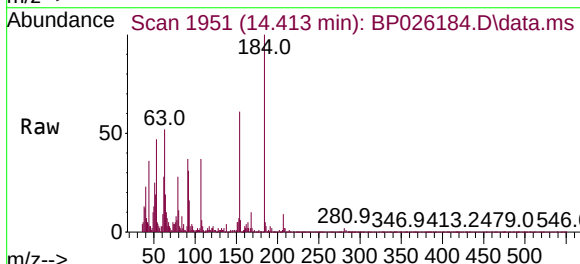
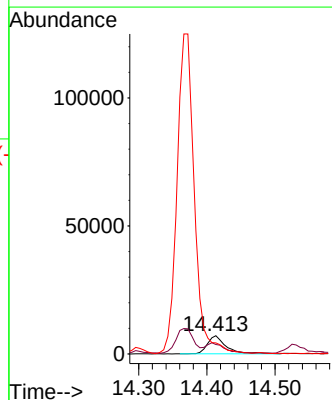
Manual Integrations
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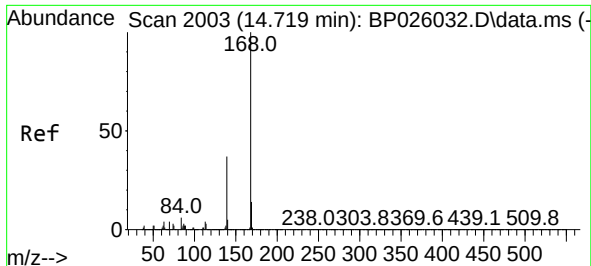
Reviewed By :Jagrut Upadhyay 11/24/2025
Supervised By :mohammad ahmed 11/26/2025



#54
2,4-Dinitrophenol
Concen: 1.451 ng
RT: 14.413 min Scan# 1951
Delta R.T. -0.017 min
Lab File: BP026184.D
Acq: 21 Nov 2025 14:51

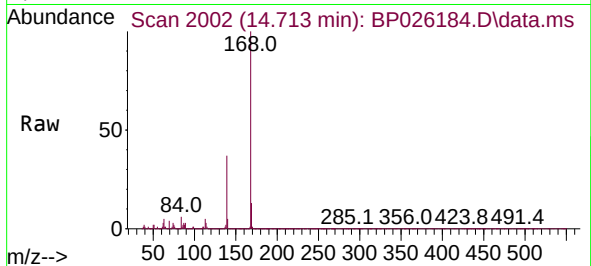
Tgt Ion:184 Resp: 13477
Ion Ratio Lower Upper
184 100
63 52.2 43.1 64.7
154 60.9 49.5 74.3





#55
Dibenzenofuran
Concen: 3.754 ng
RT: 14.713 min Scan# 20
Delta R.T. -0.011 min
Lab File: BP026184.D
Acq: 21 Nov 2025 14:51

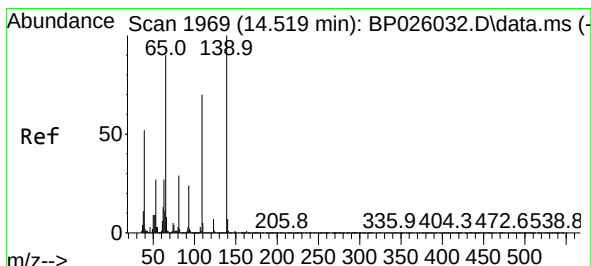
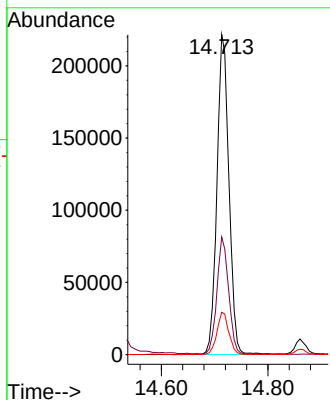
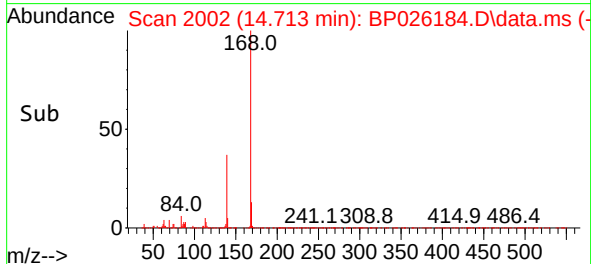
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT4-2025



Tgt Ion:168 Resp: 34596
Ion Ratio Lower Upper
168 100
139 36.8 29.8 44.6
169 13.2 10.9 16.3

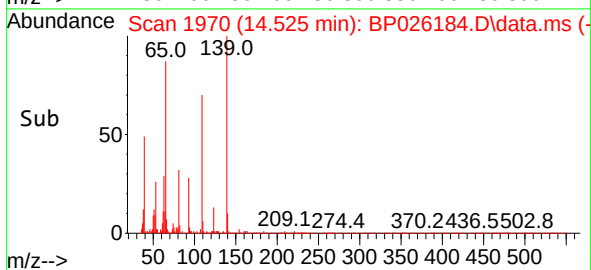
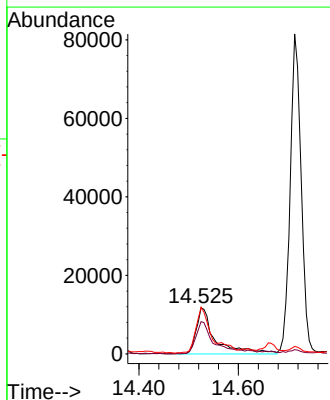
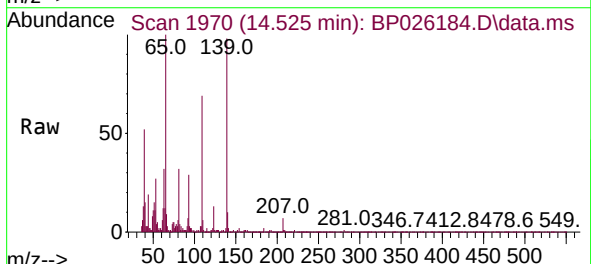
Manual Integrations
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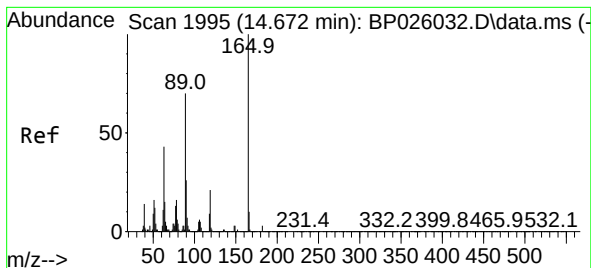
Reviewed By :Jagrut Upadhyay 11/24/2025
Supervised By :mohammad ahmed 11/26/2025



#56
4-Nitrophenol
Concen: 1.890 ng m
RT: 14.525 min Scan# 1970
Delta R.T. -0.017 min
Lab File: BP026184.D
Acq: 21 Nov 2025 14:51

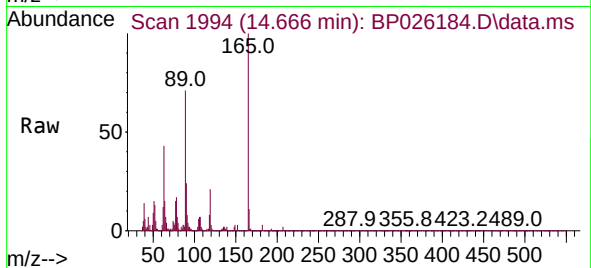
Tgt Ion:139 Resp: 30977
Ion Ratio Lower Upper
139 100
109 70.3 46.8 86.8
65 101.6 69.3 109.3





#57
2,4-Dinitrotoluene
Concen: 2.580 ng
RT: 14.666 min Scan# 1994
Delta R.T. -0.023 min
Lab File: BP026184.D
Acq: 21 Nov 2025 14:51

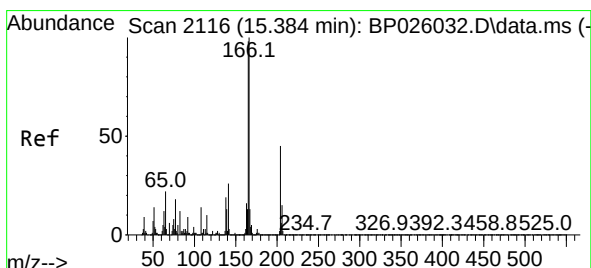
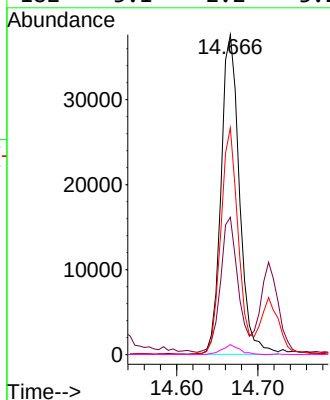
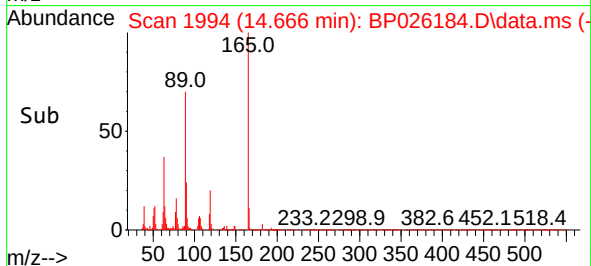
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT4-2025



Tgt Ion:165 Resp: 59269
Ion Ratio Lower Upper
165 100
63 42.9 31.0 46.6
89 70.9 51.7 77.5
182 3.1 2.2 3.2

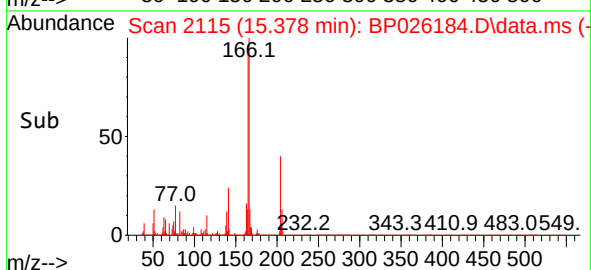
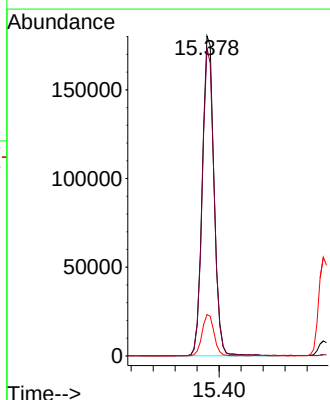
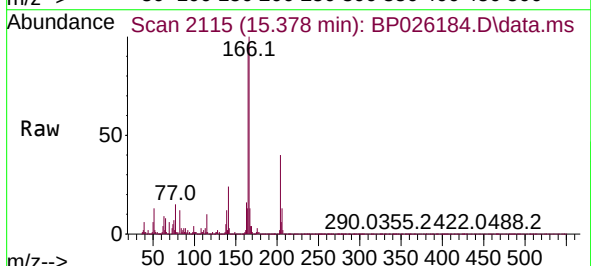
Manual Integrations
APPROVED

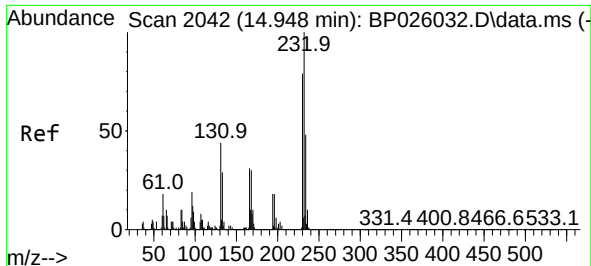
Reviewed By :Jagrut Upadhyay 11/24/2025
Supervised By :mohammad ahmed 11/26/2025



#58
Fluorene
Concen: 3.662 ng
RT: 15.378 min Scan# 2115
Delta R.T. -0.011 min
Lab File: BP026184.D
Acq: 21 Nov 2025 14:51

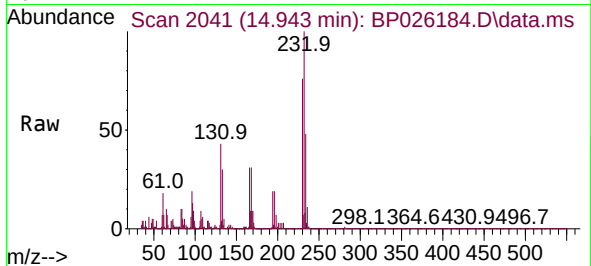
Tgt Ion:166 Resp: 266737
Ion Ratio Lower Upper
166 100
165 96.1 77.9 116.9
167 12.9 11.0 16.4





#59
2,3,4,6-Tetrachlorophenol
Concen: 3.160 ng
RT: 14.943 min Scan# 2042
Delta R.T. -0.017 min
Lab File: BP026184.D
Acq: 21 Nov 2025 14:51

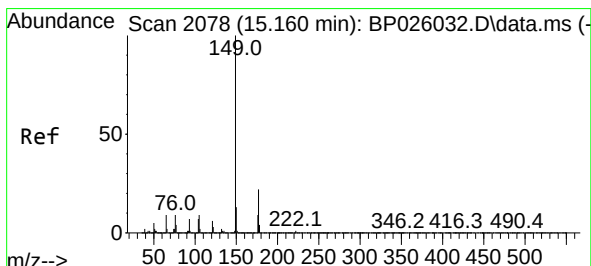
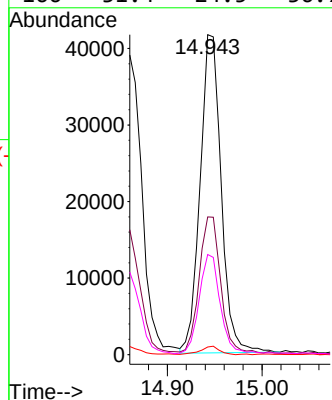
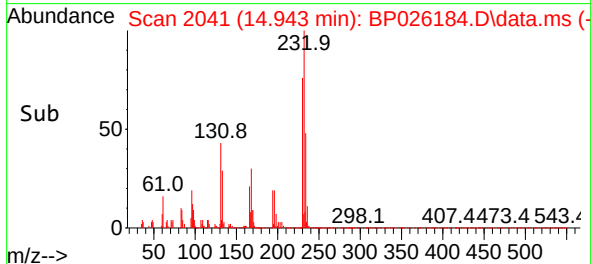
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT4-2025



Tgt Ion:232 Resp: 64486
Ion Ratio Lower Upper
232 100
131 43.7 34.8 52.2
130 2.3 1.8 2.8
166 31.4 24.5 36.7

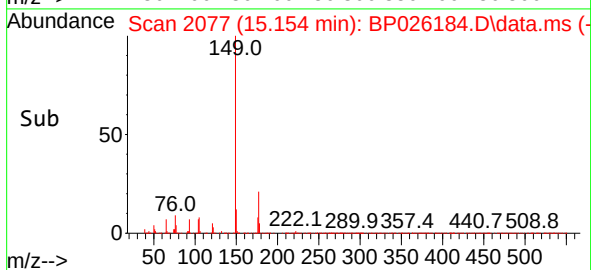
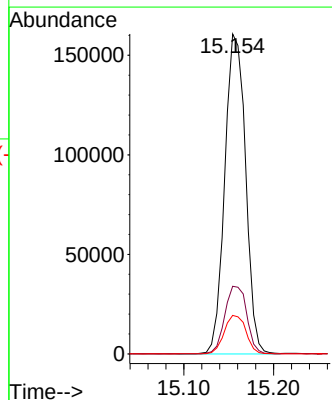
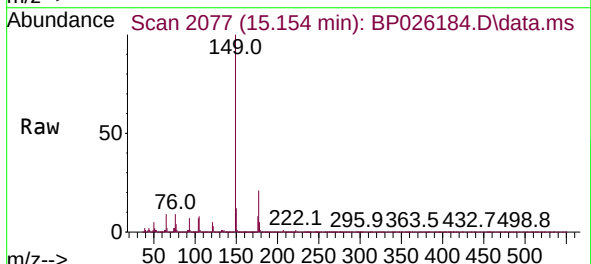
Manual Integrations
APPROVED

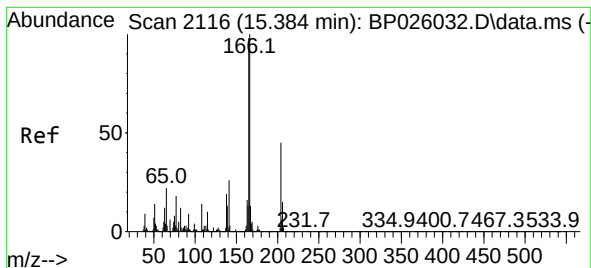
Reviewed By :Jagrut Upadhyay 11/24/2025
Supervised By :mohammad ahmed 11/26/2025



#60
Diethylphthalate
Concen: 3.322 ng
RT: 15.154 min Scan# 2077
Delta R.T. -0.017 min
Lab File: BP026184.D
Acq: 21 Nov 2025 14:51

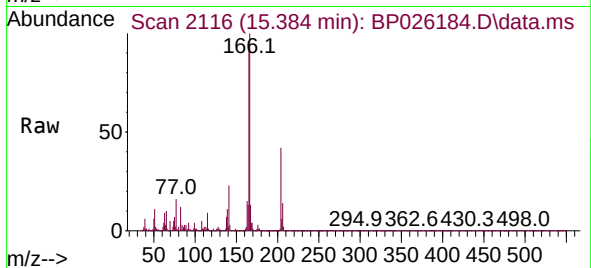
Tgt Ion:149 Resp: 259798
Ion Ratio Lower Upper
149 100
177 21.1 17.9 26.9
150 12.0 9.9 14.9





#61
4-Chlorophenyl-phenylether
Concen: 3.686 ng
RT: 15.384 min Scan# 2116
Delta R.T. -0.006 min
Lab File: BP026184.D
Acq: 21 Nov 2025 14:51

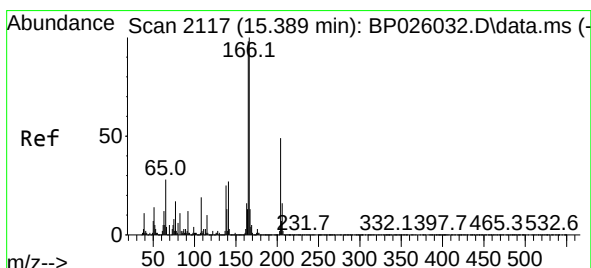
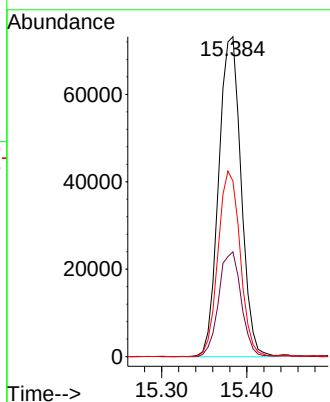
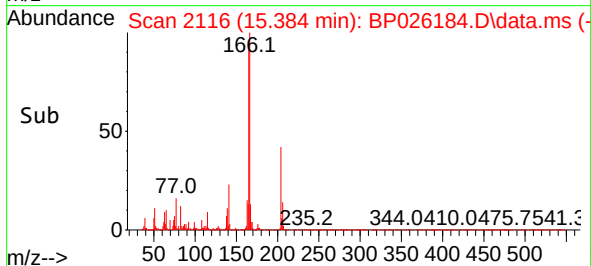
Instrument : BNA_P
ClientSampleId : MDL-SOIL-03-QT4-2025



Tgt Ion:204 Resp: 133579
Ion Ratio Lower Upper
204 100
206 32.7 26.2 39.2
141 54.9 48.1 72.1

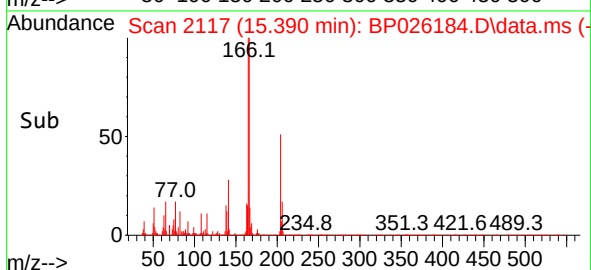
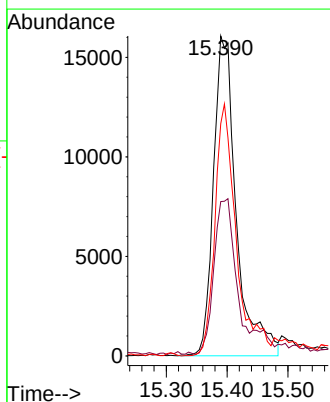
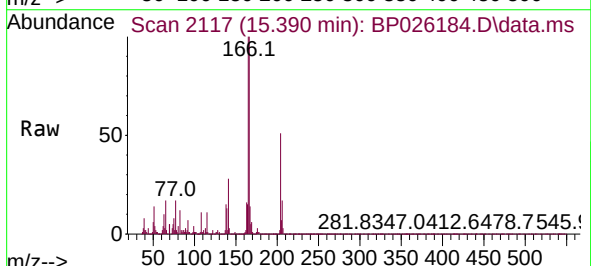
Manual Integrations
APPROVED

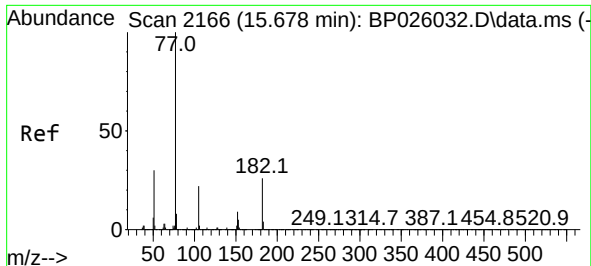
Reviewed By :Jagrut Upadhyay 11/24/2025
Supervised By :mohammad ahmed 11/26/2025



#62
4-Nitroaniline
Concen: 2.239 ng
RT: 15.390 min Scan# 2117
Delta R.T. -0.011 min
Lab File: BP026184.D
Acq: 21 Nov 2025 14:51

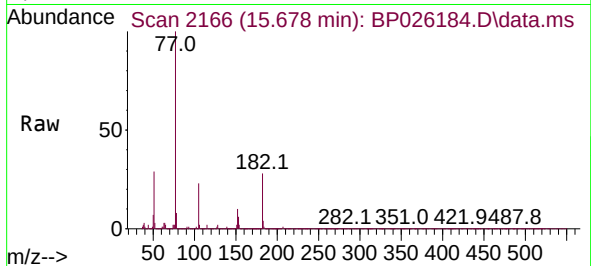
Tgt Ion:138 Resp: 42108
Ion Ratio Lower Upper
138 100
92 48.2 27.5 67.5
108 72.6 51.1 91.1





#63
Azobenzene
Concen: 3.366 ng
RT: 15.678 min Scan# 2166
Delta R.T. -0.011 min
Lab File: BP026184.D
Acq: 21 Nov 2025 14:51

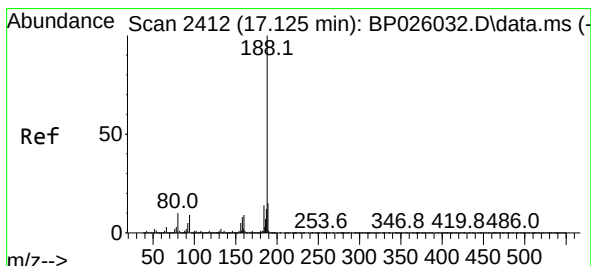
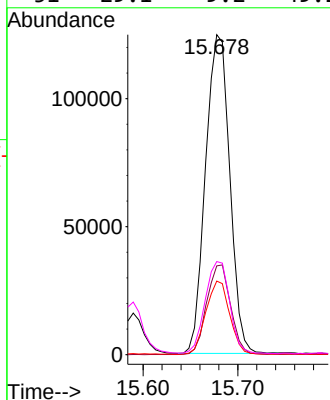
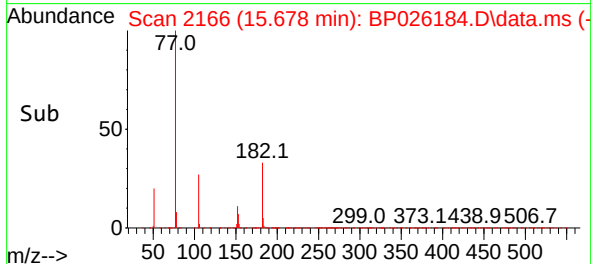
Instrument : BNA_P
ClientSampleId : MDL-SOIL-03-QT4-2025



Tgt Ion: 77 Resp: 221977
Ion Ratio Lower Upper
77 100
182 27.7 8.8 48.8
105 23.0 2.6 42.6
51 29.1 9.2 49.2

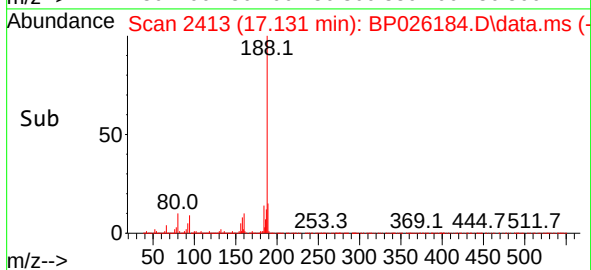
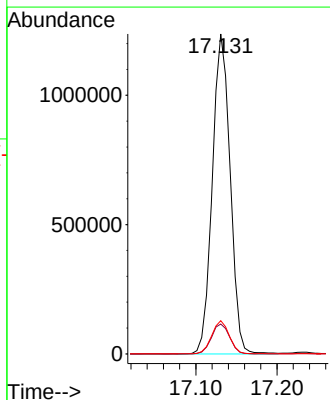
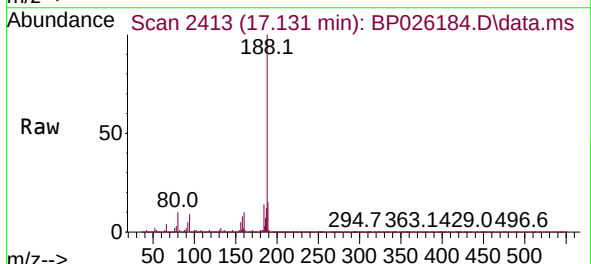
Manual Integrations
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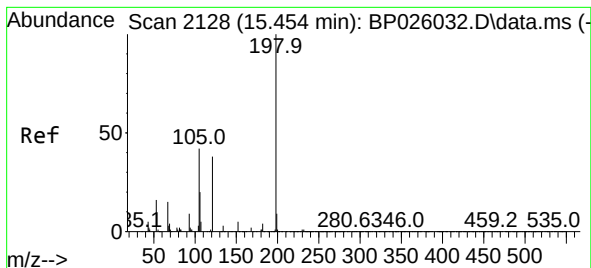
Reviewed By :Jagrut Upadhyay 11/24/2025
Supervised By :mohammad ahmed 11/26/2025



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.131 min Scan# 2413
Delta R.T. 0.000 min
Lab File: BP026184.D
Acq: 21 Nov 2025 14:51

Tgt Ion:188 Resp: 1888452
Ion Ratio Lower Upper
188 100
94 9.3 7.8 11.6
80 10.4 8.2 12.2





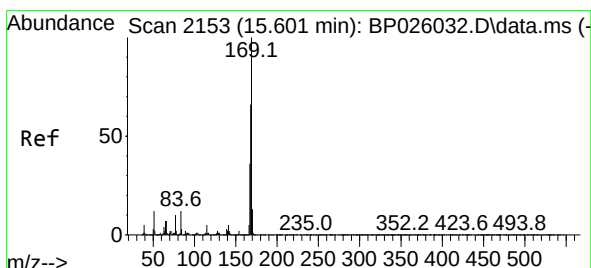
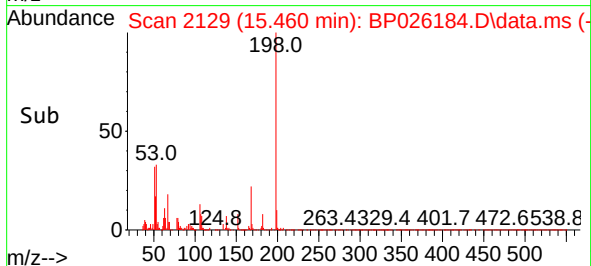
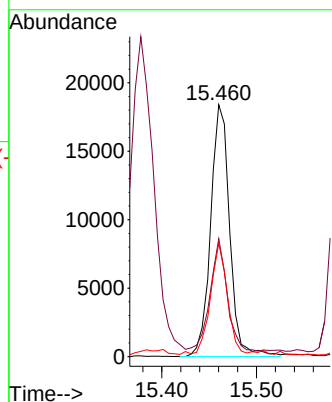
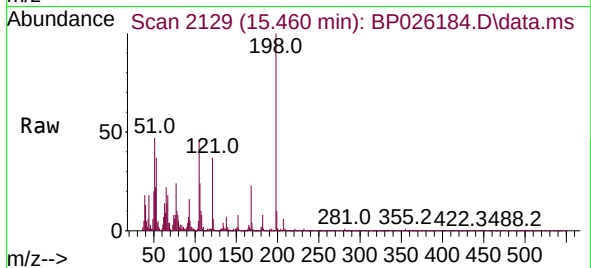
#65
4,6-Dinitro-2-methylphenol
Concen: 2.141 ng
RT: 15.460 min Scan# 2128
Delta R.T. -0.006 min
Lab File: BP026184.D
Acq: 21 Nov 2025 14:51

Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT4-2025

Tgt Ion:198 Resp: 25683
Ion Ratio Lower Upper
198 100
51 46.7 18.4 58.4
105 45.0 18.5 58.5

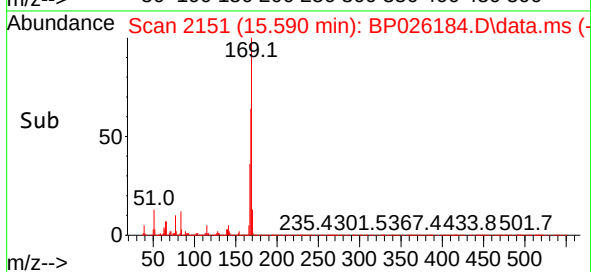
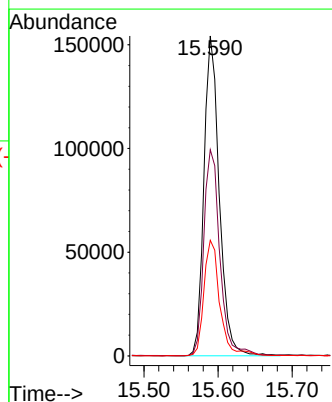
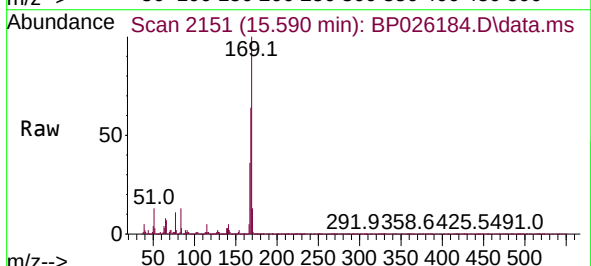
Manual Integrations
APPROVED

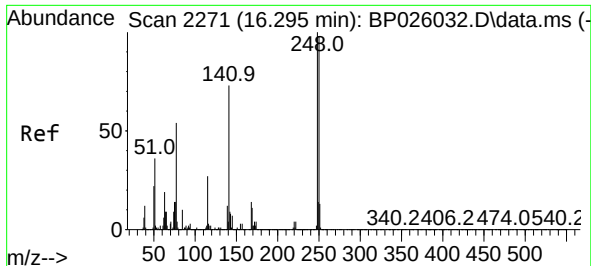
Reviewed By :Jagrut Upadhyay 11/24/2025
Supervised By :mohammad ahmed 11/26/2025



#66
n-Nitrosodiphenylamine
Concen: 3.803 ng
RT: 15.590 min Scan# 2151
Delta R.T. -0.017 min
Lab File: BP026184.D
Acq: 21 Nov 2025 14:51

Tgt Ion:169 Resp: 222154
Ion Ratio Lower Upper
169 100
168 64.4 53.1 79.7
167 36.1 28.9 43.3





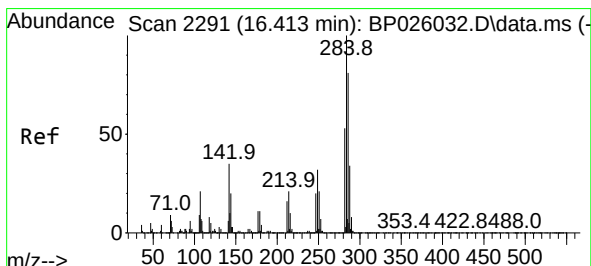
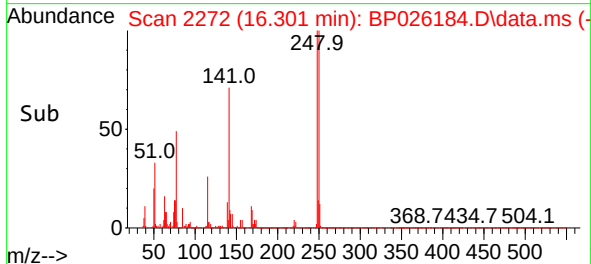
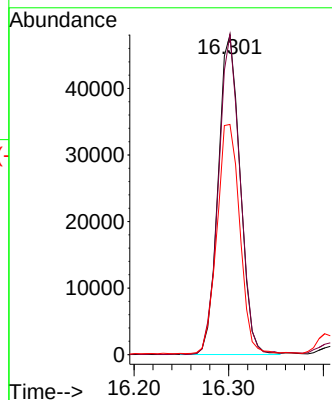
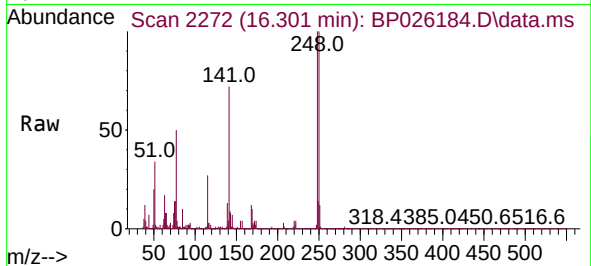
#67
4-Bromophenyl-phenylether
Concen: 3.689 ng
RT: 16.301 min Scan# 211
Delta R.T. -0.006 min
Lab File: BP026184.D
Acq: 21 Nov 2025 14:51

Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT4-2025

Tgt Ion:248 Resp: 77142
Ion Ratio Lower Upper
248 100
250 100.0 77.8 116.6
141 71.9 55.4 83.0

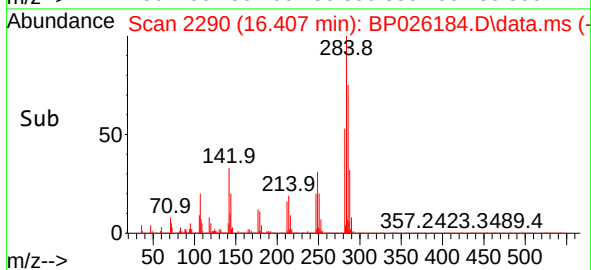
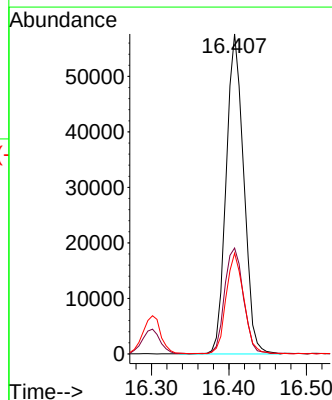
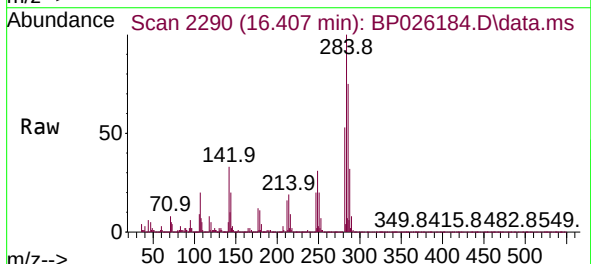
Manual Integrations
APPROVED

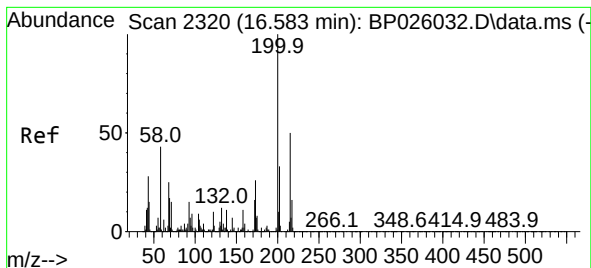
Reviewed By :Jagrut Upadhyay 11/24/2025
Supervised By :mohammad ahmed 11/26/2025



#68
Hexachlorobenzene
Concen: 3.746 ng
RT: 16.407 min Scan# 2290
Delta R.T. -0.017 min
Lab File: BP026184.D
Acq: 21 Nov 2025 14:51

Tgt Ion:284 Resp: 90916
Ion Ratio Lower Upper
284 100
142 33.1 28.0 42.0
249 31.5 25.0 37.4





#69

Atrazine

Concen: 3.312 ng

RT: 16.584 min Scan# 2320

Delta R.T. -0.006 min

Lab File: BP026184.D

Acq: 21 Nov 2025 14:51

Instrument :

BNA_P

ClientSampleId :

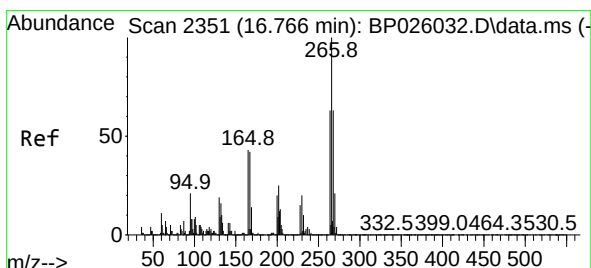
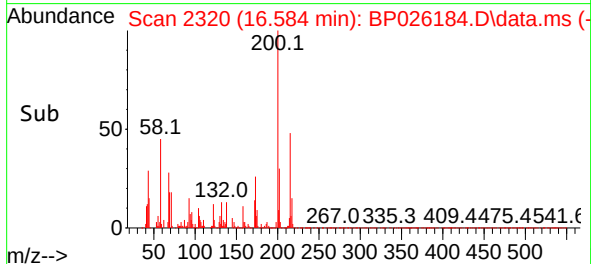
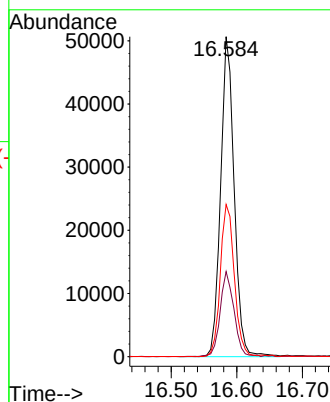
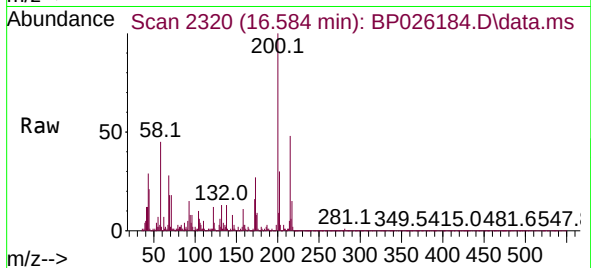
MDL-SOIL-03-QT4-2025

Tgt Ion:	200	Resp:	72969
Ion Ratio	Lower	Upper	
200	100		
173	26.6	6.7	46.7
215	47.5	27.4	67.4

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 11/24/2025
Supervised By :mohammad ahmed 11/26/2025



#70

Pentachlorophenol

Concen: 2.797 ng

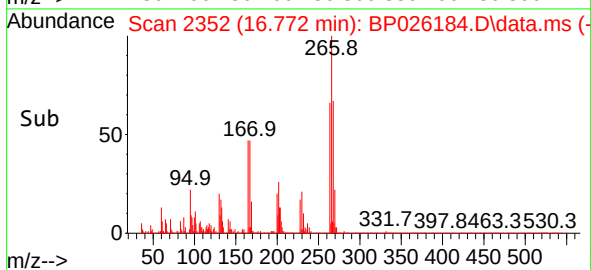
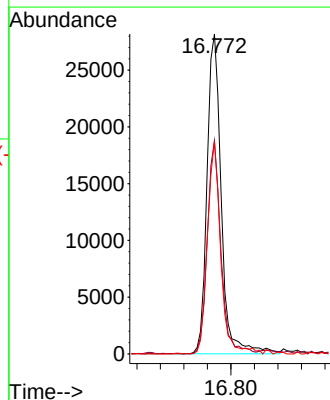
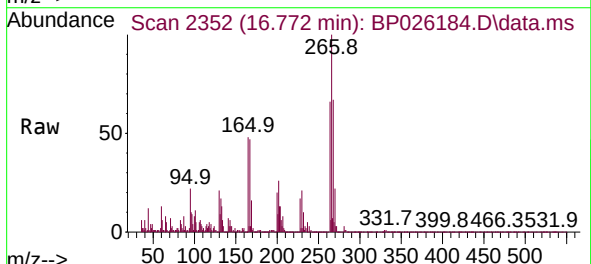
RT: 16.772 min Scan# 2352

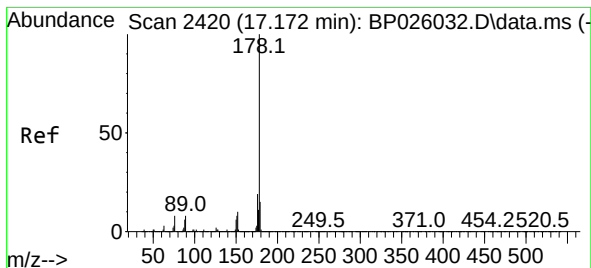
Delta R.T. -0.006 min

Lab File: BP026184.D

Acq: 21 Nov 2025 14:51

Tgt Ion:	266	Resp:	47485
Ion Ratio	Lower	Upper	
266	100		
268	71.7	51.0	76.4
264	66.4	50.2	75.2





#71

Phenanthrene

Concen: 3.825 ng

RT: 17.178 min Scan# 2420

Delta R.T. 0.000 min

Lab File: BP026184.D

Acq: 21 Nov 2025 14:51

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT4-2025

Tgt Ion:178 Resp: 40686

Ion Ratio Lower Upper

178 100

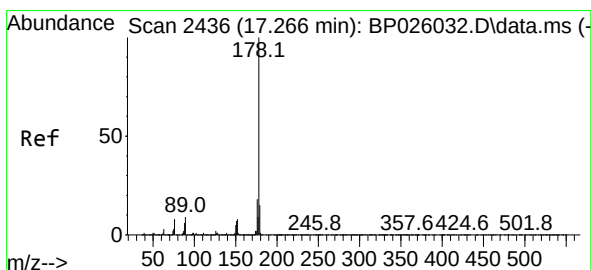
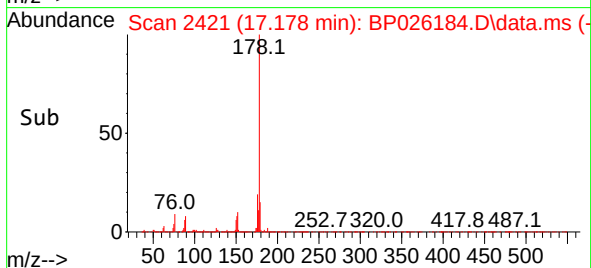
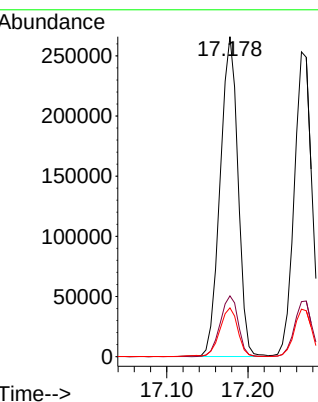
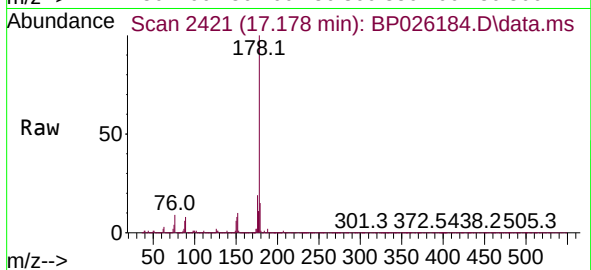
176 19.0 15.4 23.2

179 15.2 12.4 18.6

Manual Integrations

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Reviewed By :Jagrut Upadhyay 11/24/2025
Supervised By :mohammad ahmed 11/26/2025



#72

Anthracene

Concen: 3.604 ng

RT: 17.266 min Scan# 2436

Delta R.T. -0.006 min

Lab File: BP026184.D

Acq: 21 Nov 2025 14:51

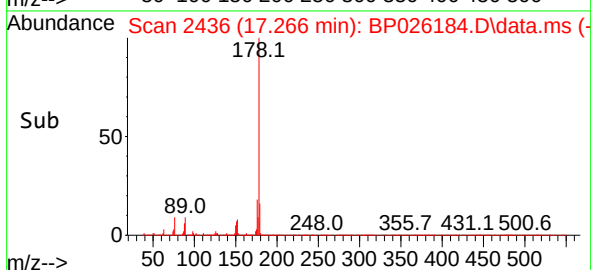
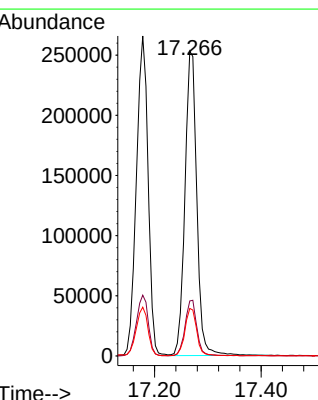
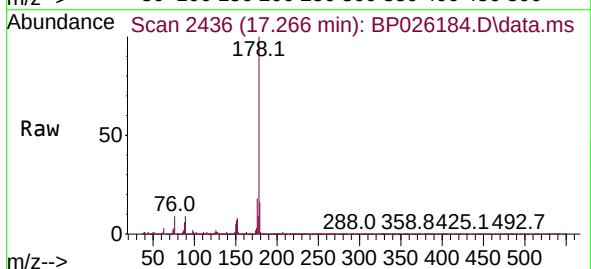
Tgt Ion:178 Resp: 391031

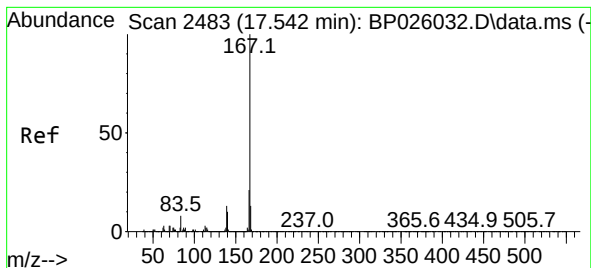
Ion Ratio Lower Upper

178 100

176 18.0 14.8 22.2

179 15.5 12.2 18.4





#73

Carbazole

Concen: 3.399 ng

RT: 17.554 min Scan# 2483

Delta R.T. 0.012 min

Lab File: BP026184.D

Acq: 21 Nov 2025 14:51

Instrument :

BNA_P

ClientSampleId :

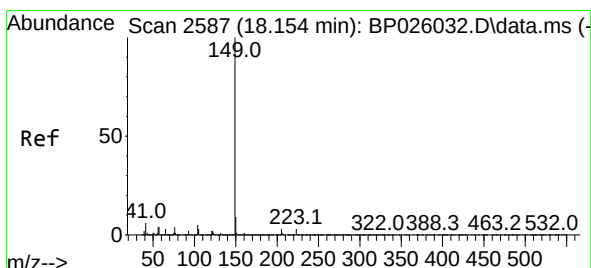
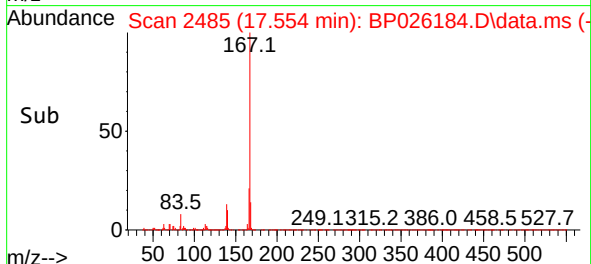
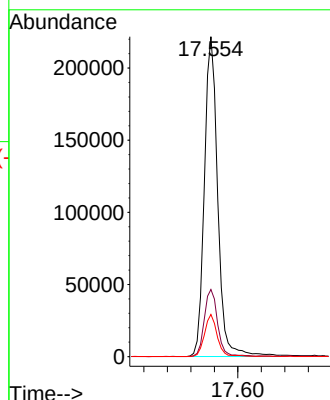
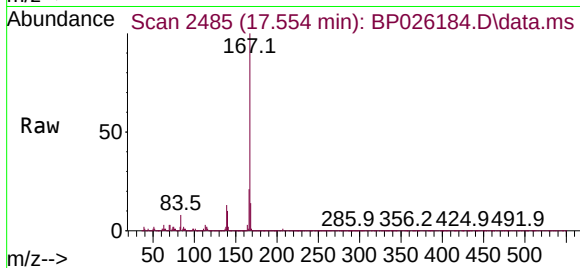
MDL-SOIL-03-QT4-2025

Tgt Ion:	167	Resp:	35025
Ion Ratio	Lower	Upper	
167	100		
166	21.0	17.1	25.7
139	13.2	10.2	15.4

Manual Integrations

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Reviewed By :Jagrut Upadhyay 11/24/2025
Supervised By :mohammad ahmed 11/26/2025



#74

Di-n-butylphthalate

Concen: 3.247 ng

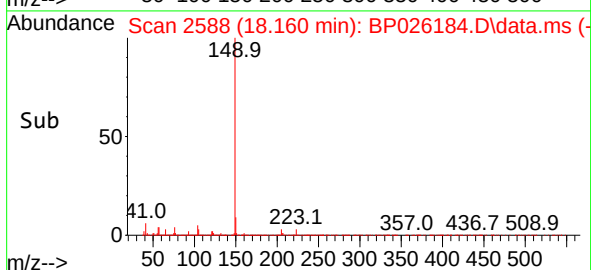
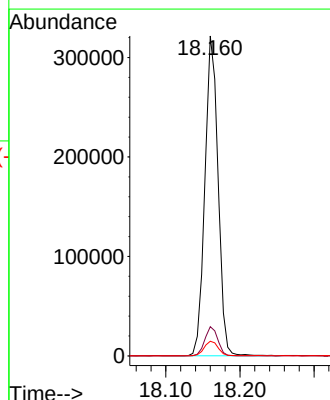
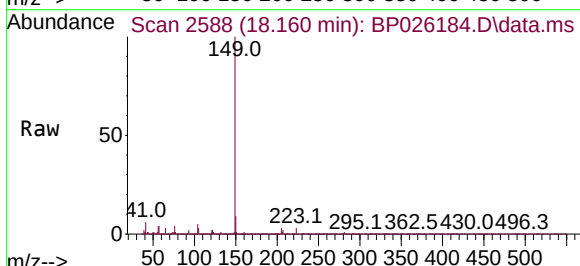
RT: 18.160 min Scan# 2588

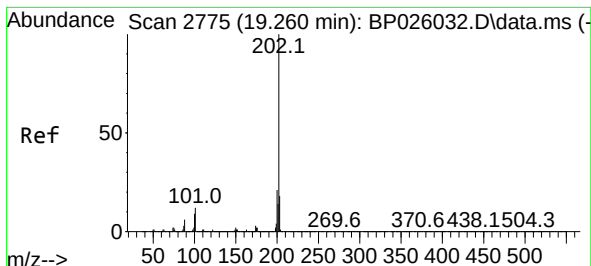
Delta R.T. 0.000 min

Lab File: BP026184.D

Acq: 21 Nov 2025 14:51

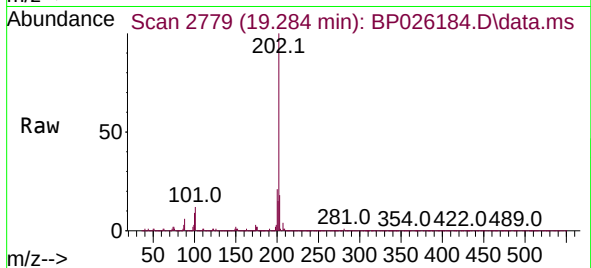
Tgt Ion:	149	Resp:	396684
Ion Ratio	Lower	Upper	
149	100		
150	9.1	7.5	11.3
104	4.6	3.6	5.4





#75
Fluoranthene
Concen: 3.392 ng
RT: 19.284 min Scan# 21
Delta R.T. 0.018 min
Lab File: BP026184.D
Acq: 21 Nov 2025 14:51

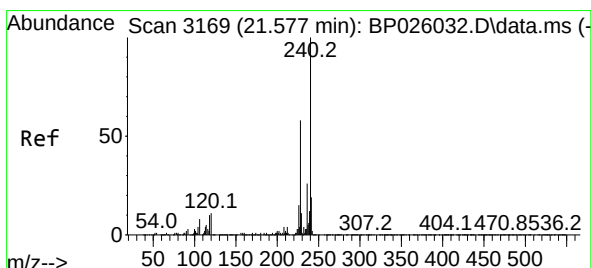
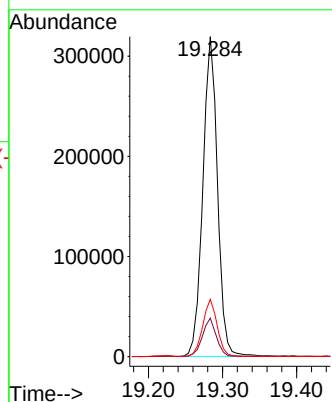
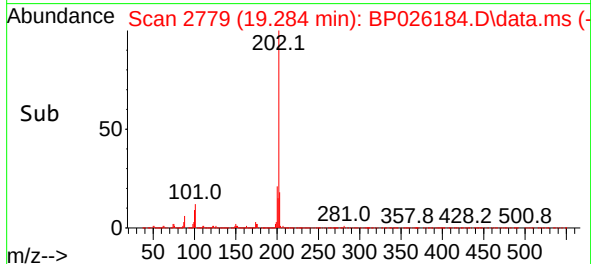
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT4-2025



Tgt Ion:202 Resp: 438409
Ion Ratio Lower Upper
202 100
101 12.1 0.0 31.2
203 17.9 0.0 37.7

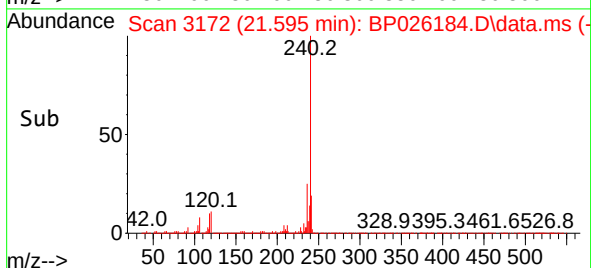
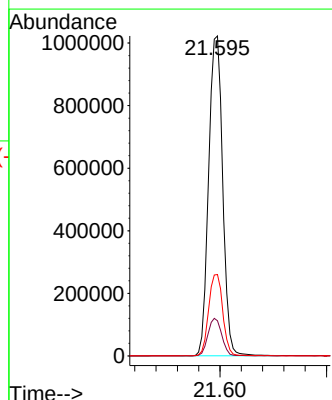
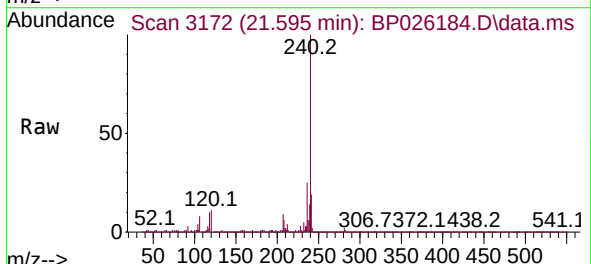
Manual Integrations
APPROVED

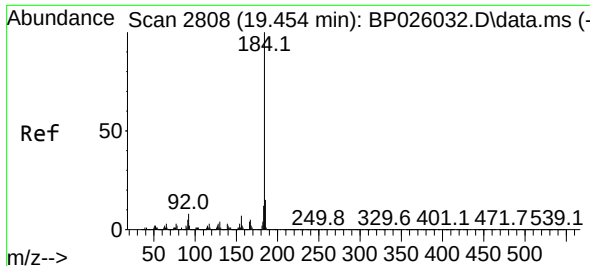
Reviewed By :Jagrut Upadhyay 11/24/2025
Supervised By :mohammad ahmed 11/26/2025



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.595 min Scan# 3172
Delta R.T. 0.024 min
Lab File: BP026184.D
Acq: 21 Nov 2025 14:51

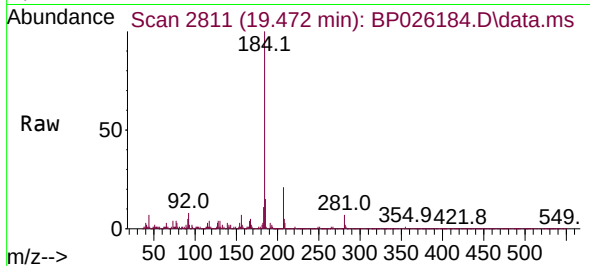
Tgt Ion:240 Resp: 1871276
Ion Ratio Lower Upper
240 100
120 11.0 9.0 13.4
236 25.4 20.4 30.6





#77
Benzidine
Concen: 2.658 ng
RT: 19.472 min Scan# 2811
Delta R.T. 0.006 min
Lab File: BP026184.D
Acq: 21 Nov 2025 14:51

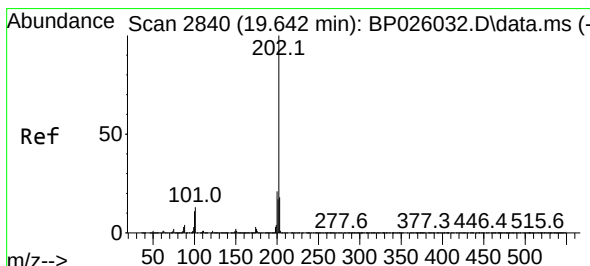
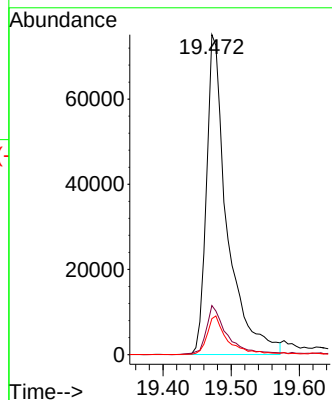
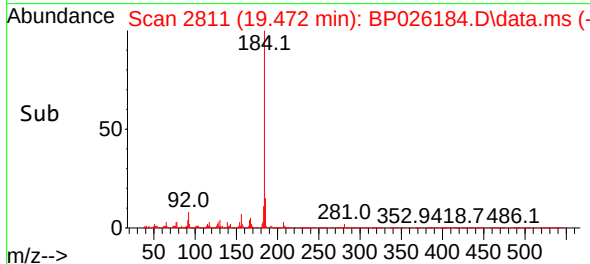
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT4-2025



Tgt Ion:184 Resp: 15787
Ion Ratio Lower Upper
184 100
185 15.3 11.3 16.9
183 11.2 9.0 13.6

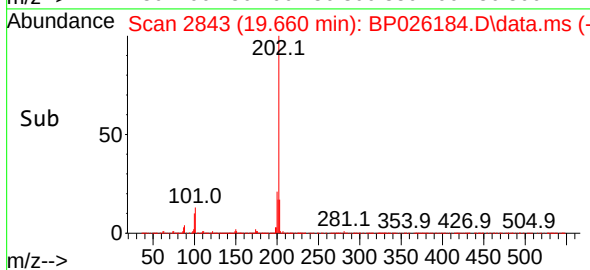
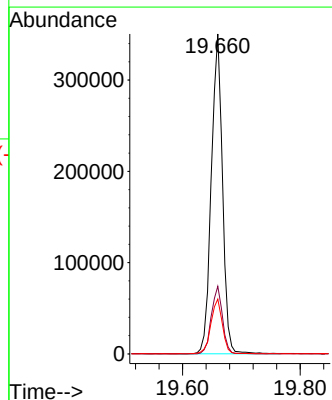
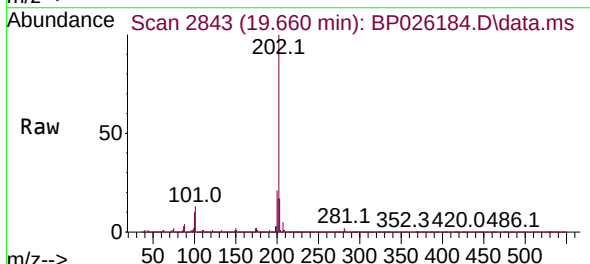
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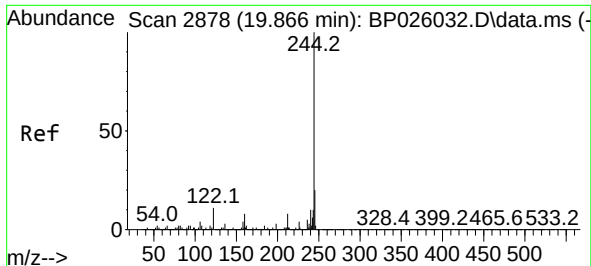
Reviewed By :Jagrut Upadhyay 11/24/2025
Supervised By :mohammad ahmed 11/26/2025



#78
Pyrene
Concen: 3.773 ng
RT: 19.660 min Scan# 2843
Delta R.T. 0.018 min
Lab File: BP026184.D
Acq: 21 Nov 2025 14:51

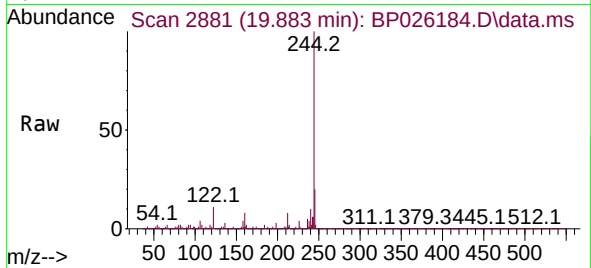
Tgt Ion:202 Resp: 462909
Ion Ratio Lower Upper
202 100
200 21.1 16.9 25.3
203 17.1 13.8 20.8





#79
 Terphenyl-d14
 Concen: 83.232 ng
 RT: 19.883 min Scan# 2881
 Delta R.T. 0.012 min
 Lab File: BP026184.D
 Acq: 21 Nov 2025 14:51

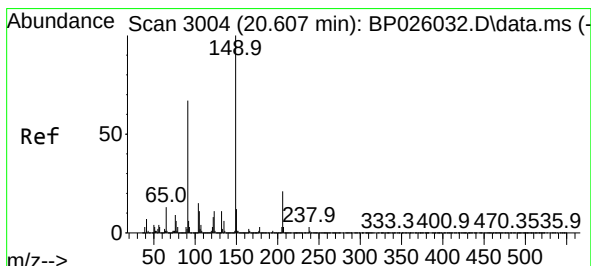
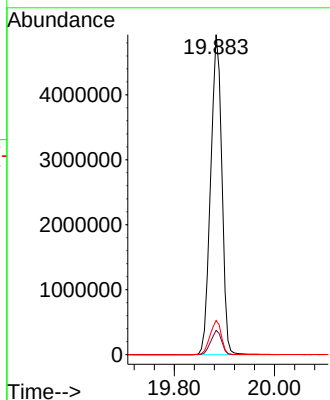
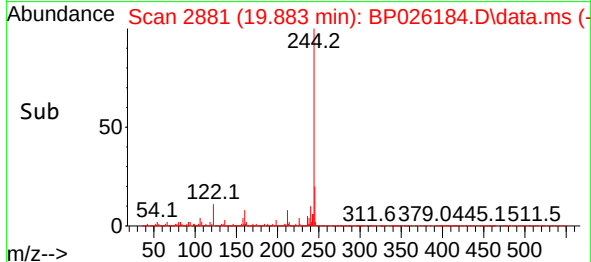
Instrument :
 BNA_P
 ClientSampleId :
 MDL-SOIL-03-QT4-2025



Tgt Ion:244 Resp: 763838
 Ion Ratio Lower Upper
 244 100
 212 7.6 5.8 8.8
 122 10.7 8.2 12.2

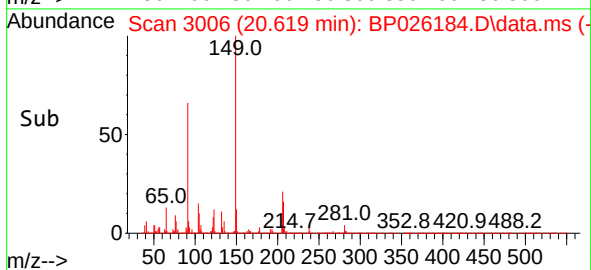
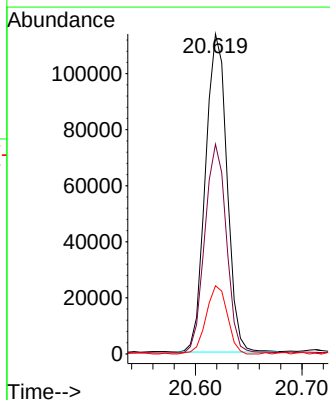
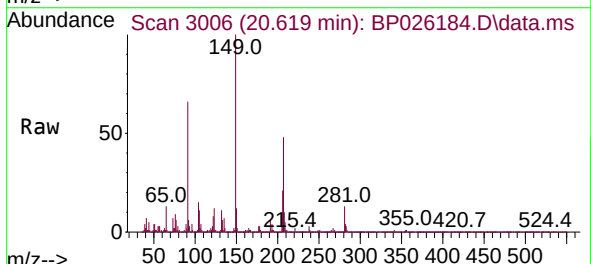
Manual Integrations
 APPROVED

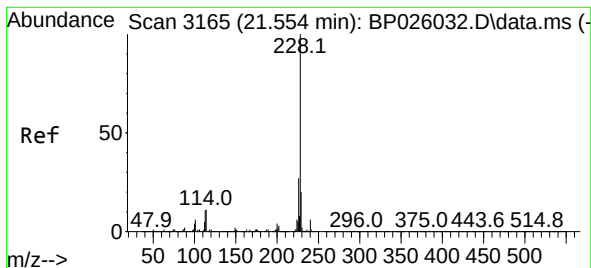
Reviewed By :Jagrut Upadhyay 11/24/2025
 Supervised By :mohammad ahmed 11/26/2025



#80
 Butylbenzylphthalate
 Concen: 2.958 ng
 RT: 20.619 min Scan# 3006
 Delta R.T. 0.012 min
 Lab File: BP026184.D
 Acq: 21 Nov 2025 14:51

Tgt Ion:149 Resp: 159812
 Ion Ratio Lower Upper
 149 100
 91 65.5 52.6 79.0
 206 21.3 16.9 25.3





#81

Benzo(a)anthracene

Concen: 3.606 ng

RT: 21.572 min Scan# 3168

Delta R.T. 0.018 min

Lab File: BP026184.D

Acq: 21 Nov 2025 14:51

Instrument :

BNA_P

ClientSampleId :

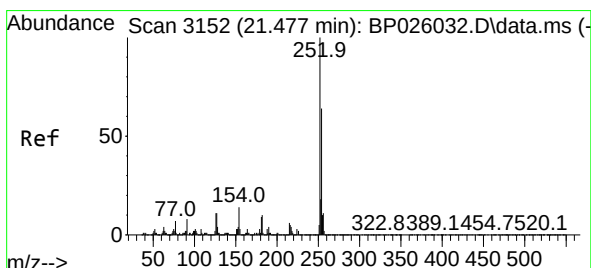
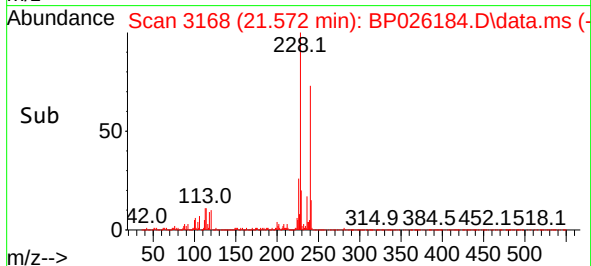
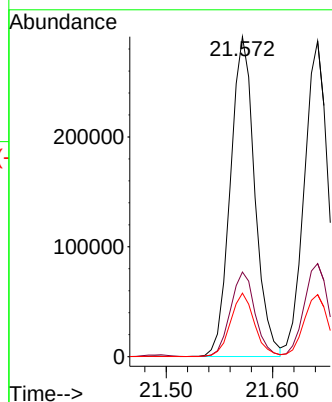
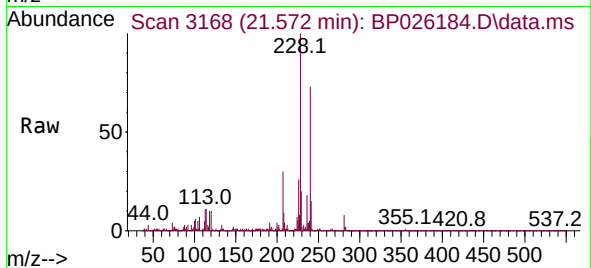
MDL-SOIL-03-QT4-2025

Tgt Ion:	228	Resp:	463462
Ion Ratio	Lower	Upper	
228	100		
226	26.4	21.8	32.8
229	19.8	15.9	23.9

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 11/24/2025
Supervised By :mohammad ahmed 11/26/2025



#82

3,3'-Dichlorobenzidine

Concen: 3.041 ng

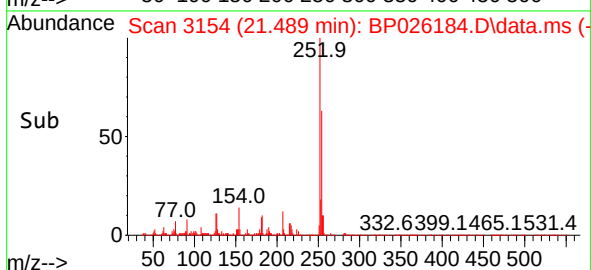
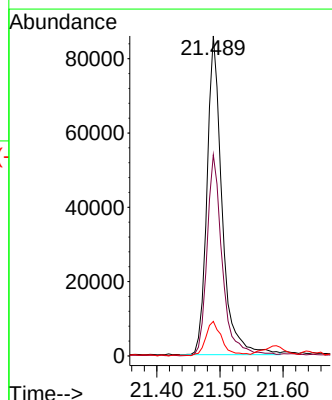
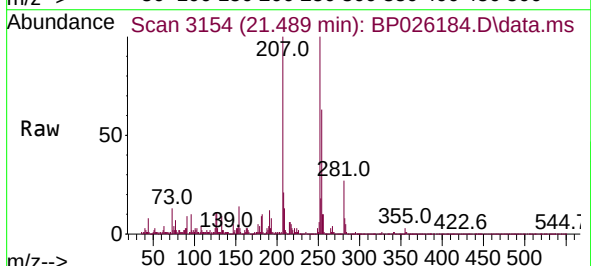
RT: 21.489 min Scan# 3154

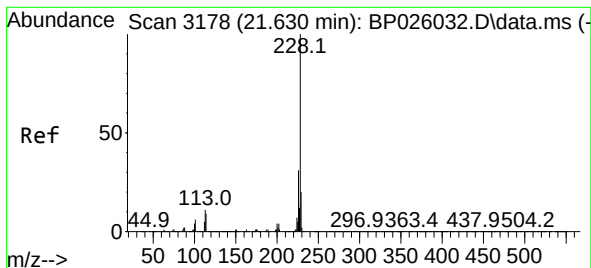
Delta R.T. 0.000 min

Lab File: BP026184.D

Acq: 21 Nov 2025 14:51

Tgt Ion:	252	Resp:	142116
Ion Ratio	Lower	Upper	
252	100		
254	62.8	51.2	76.8
126	10.8	8.2	12.4





#83

Chrysene

Concen: 3.696 ng

RT: 21.642 min Scan# 3178

Delta R.T. 0.024 min

Lab File: BP026184.D

Acq: 21 Nov 2025 14:51

Instrument :

BNA_P

ClientSampleId :

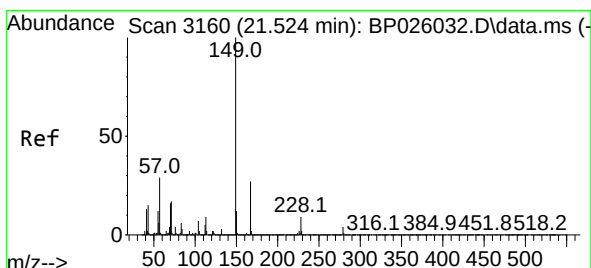
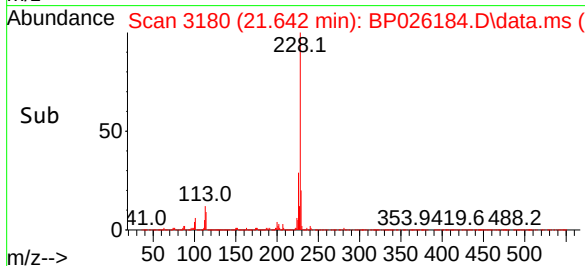
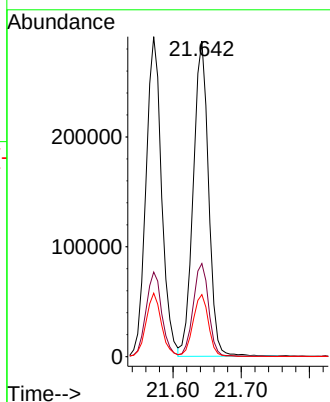
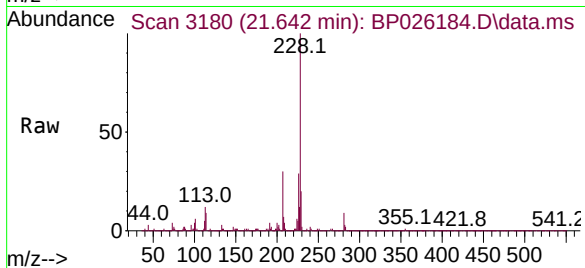
MDL-SOIL-03-QT4-2025

Tgt Ion:	228	Resp:	447621
Ion Ratio	Lower	Upper	
228	100		
226	29.5	23.9	35.9
229	19.6	15.9	23.9

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 11/24/2025
Supervised By :mohammad ahmed 11/26/2025



#84

Bis(2-ethylhexyl)phthalate

Concen: 3.084 ng

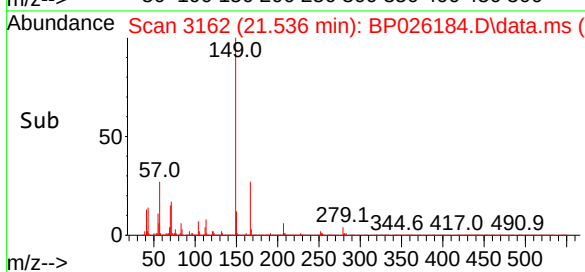
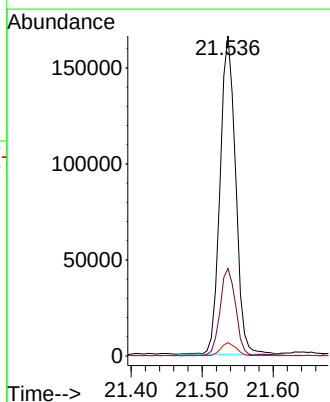
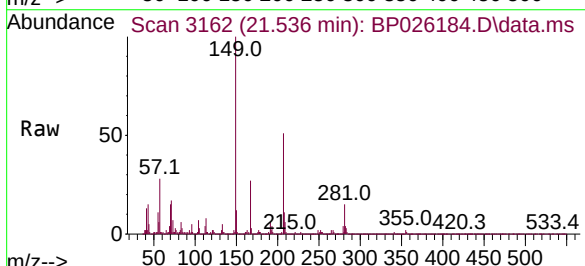
RT: 21.536 min Scan# 3162

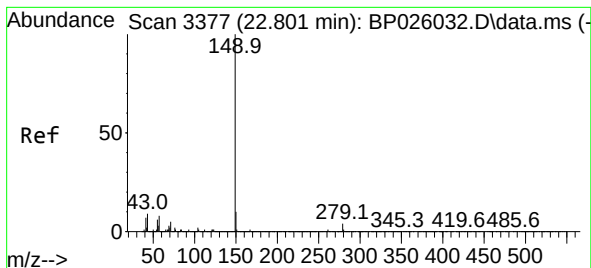
Delta R.T. 0.018 min

Lab File: BP026184.D

Acq: 21 Nov 2025 14:51

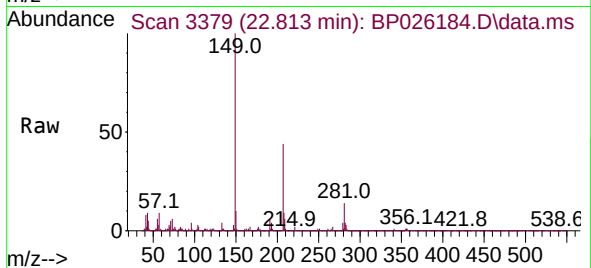
Tgt Ion:	149	Resp:	252284
Ion Ratio	Lower	Upper	
149	100		
167	27.3	22.1	33.1
279	4.1	3.3	4.9





#85
Di-n-octyl phthalate
Concen: 2.667 ng
RT: 22.813 min Scan# 3377
Delta R.T. 0.006 min
Lab File: BP026184.D
Acq: 21 Nov 2025 14:51

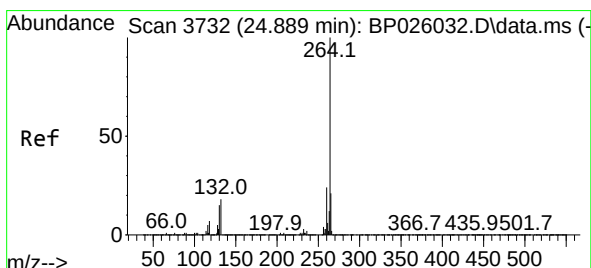
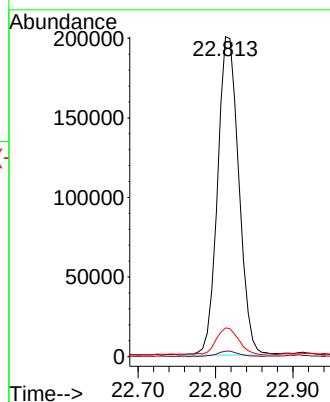
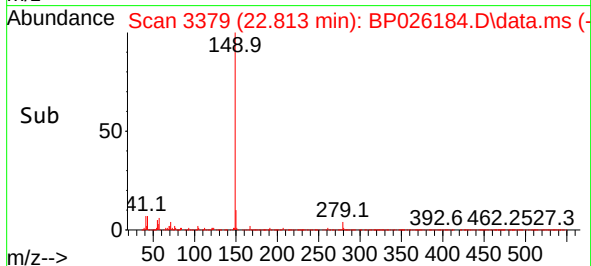
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT4-2025



Tgt Ion:149 Resp: 381476
Ion Ratio Lower Upper
149 100
167 1.7 1.2 1.8
43 8.8 6.6 10.0

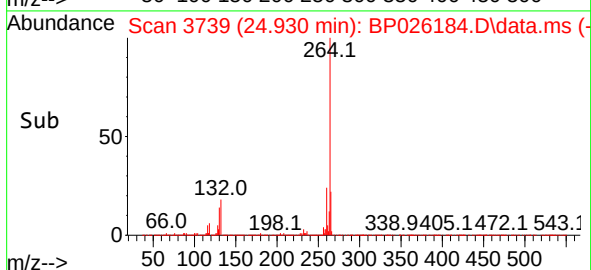
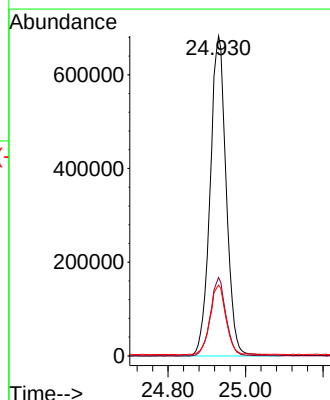
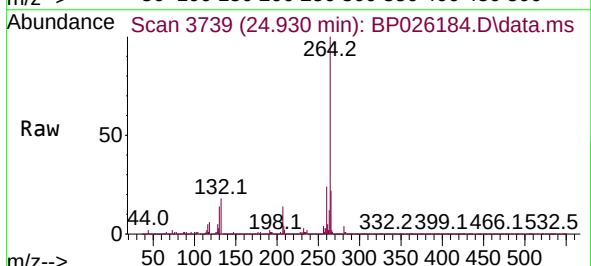
Manual Integrations
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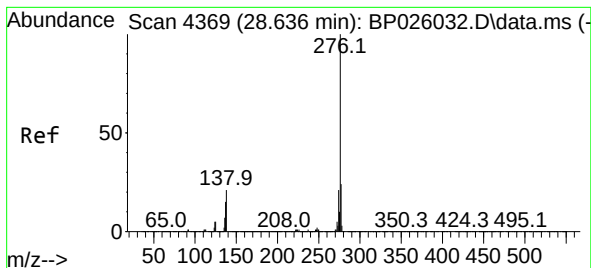
Reviewed By :Jagrut Upadhyay 11/24/2025
Supervised By :mohammad ahmed 11/26/2025



#86
Perylene-d12
Concen: 20.000 ng
RT: 24.930 min Scan# 3739
Delta R.T. 0.024 min
Lab File: BP026184.D
Acq: 21 Nov 2025 14:51

Tgt Ion:264 Resp: 1963408
Ion Ratio Lower Upper
264 100
260 24.5 18.7 28.1
265 22.1 17.5 26.3





#87

Indeno(1,2,3-cd)pyrene

Concen: 3.405 ng m

RT: 28.701 min Scan# 4369

Delta R.T. -0.006 min

Lab File: BP026184.D

Acq: 21 Nov 2025 14:51

Instrument :

BNA_P

ClientSampleId :

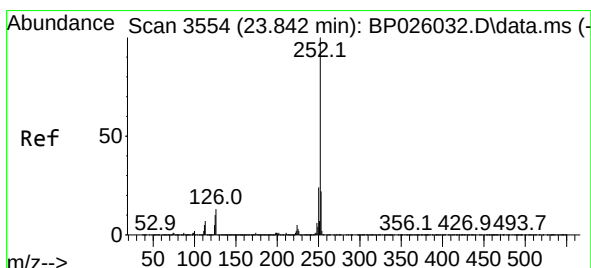
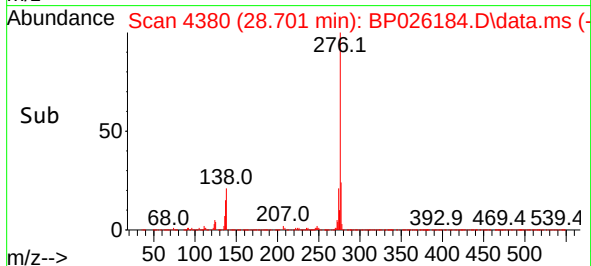
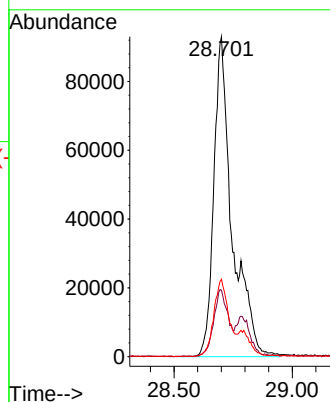
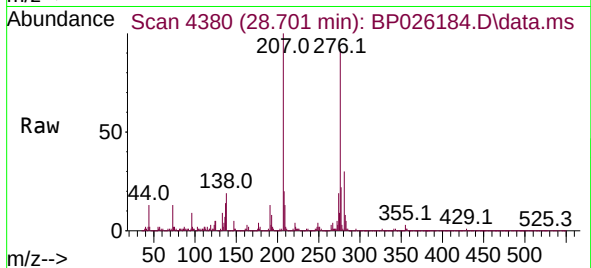
MDL-SOIL-03-QT4-2025

Tgt Ion:	276	Resp:	501318
Ion Ratio	Lower	Upper	
276	100		
138	16.8	13.8	20.8
277	19.7	16.7	25.1

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 11/24/2025
Supervised By :mohammad ahmed 11/26/2025



#88

Benzo(b)fluoranthene

Concen: 3.539 ng

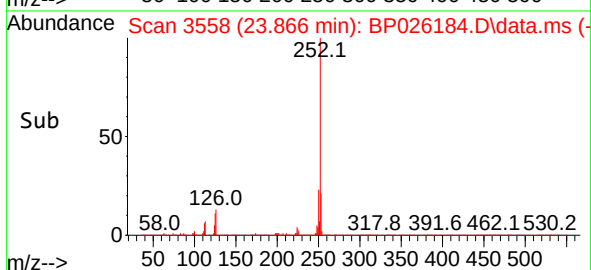
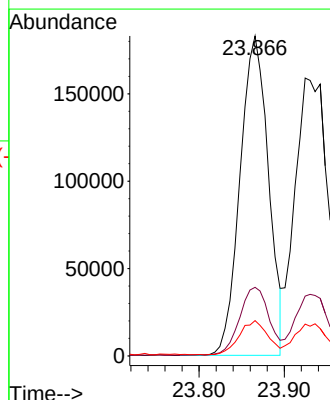
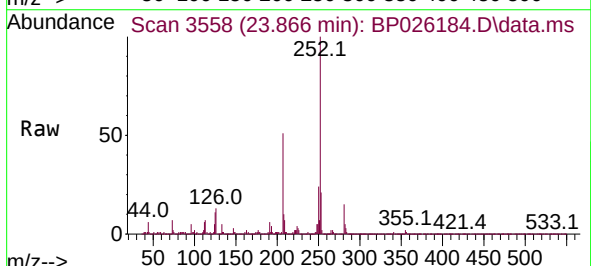
RT: 23.866 min Scan# 3558

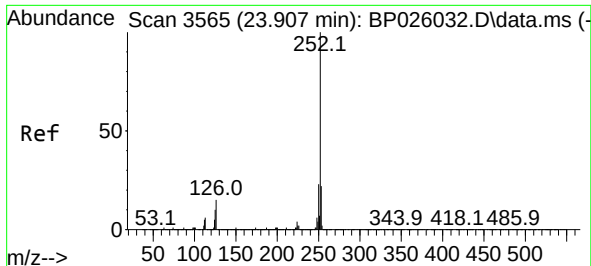
Delta R.T. 0.000 min

Lab File: BP026184.D

Acq: 21 Nov 2025 14:51

Tgt Ion:	252	Resp:	423109
Ion Ratio	Lower	Upper	
252	100		
253	21.4	17.6	26.4
125	11.0	8.2	12.4





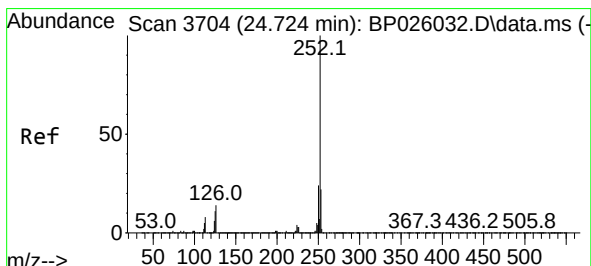
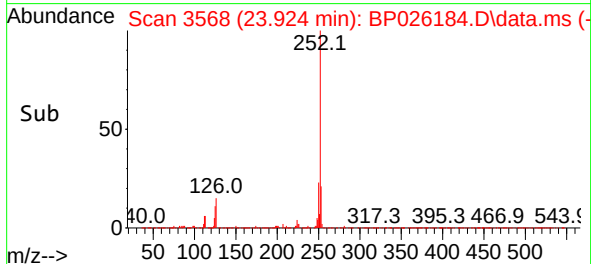
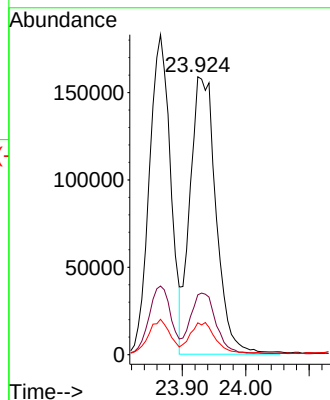
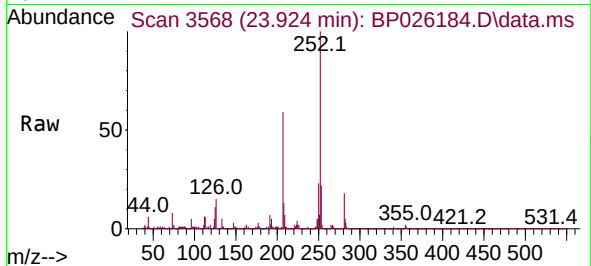
#89
Benzo(k)fluoranthene
Concen: 3.793 ng m
RT: 23.924 min Scan# 3565
Delta R.T. -0.012 min
Lab File: BP026184.D
Acq: 21 Nov 2025 14:51

Instrument : BNA_P
ClientSampleId : MDL-SOIL-03-QT4-2025

Tgt Ion:252 Resp: 452966
Ion Ratio Lower Upper
252 100
253 21.5 17.6 26.4
125 11.4 7.5 11.3

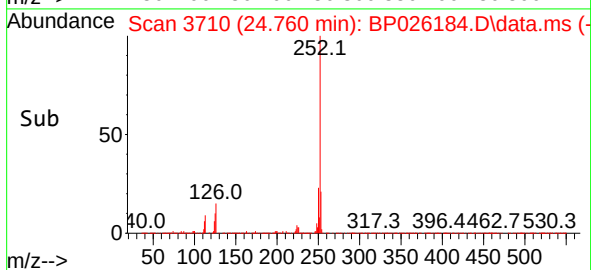
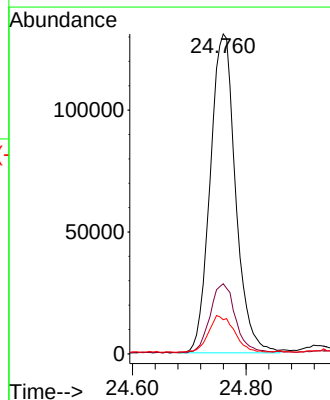
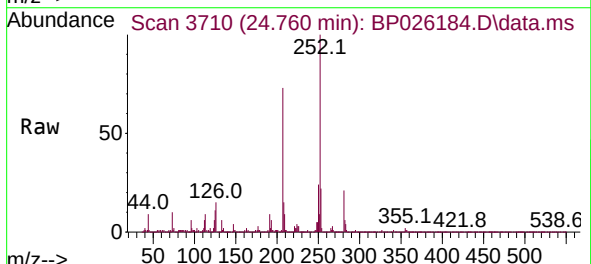
Manual Integrations
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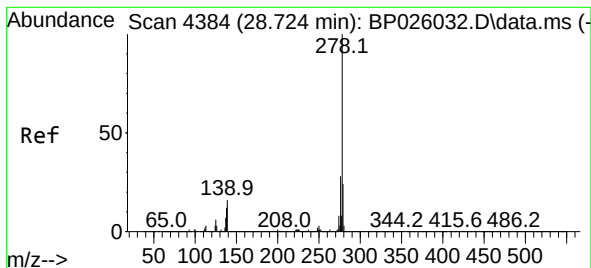
Reviewed By :Jagrut Upadhyay 11/24/2025
Supervised By :mohammad ahmed 11/26/2025



#90
Benzo(a)pyrene
Concen: 3.578 ng
RT: 24.760 min Scan# 3710
Delta R.T. 0.006 min
Lab File: BP026184.D
Acq: 21 Nov 2025 14:51

Tgt Ion:252 Resp: 405189
Ion Ratio Lower Upper
252 100
253 21.9 17.4 26.2
125 10.7 9.0 13.6





#91

Dibenzo(a,h)anthracene

Concen: 3.391 ng

RT: 28.783 min Scan# 4384

Delta R.T. -0.011 min

Lab File: BP026184.D

Acq: 21 Nov 2025 14:51

Instrument :

BNA_P

ClientSampleId :

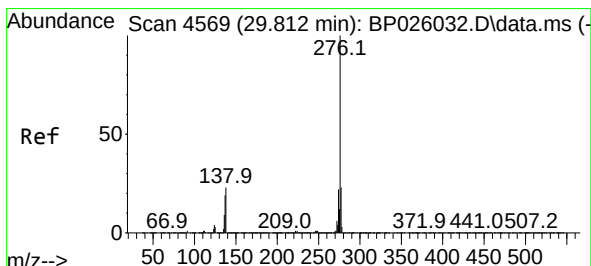
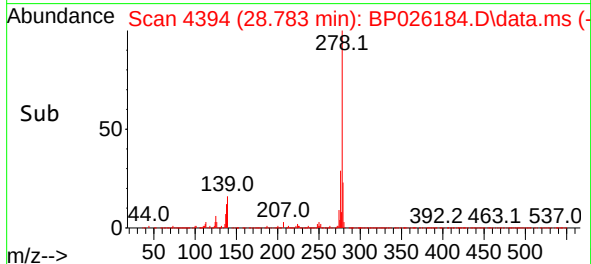
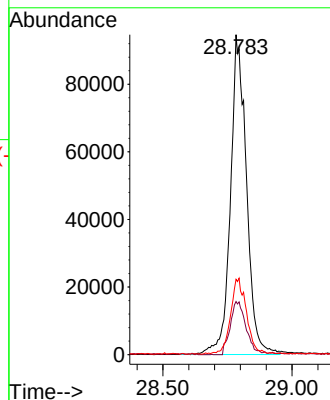
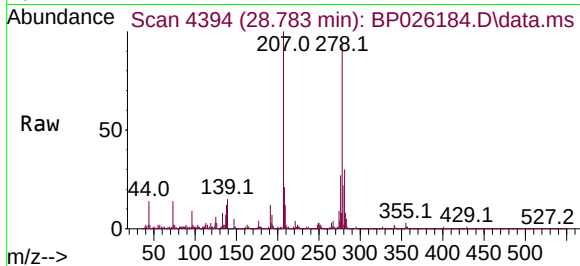
MDL-SOIL-03-QT4-2025

Tgt Ion:	278	Resp:	408739
Ion Ratio	Lower	Upper	
278	100		
139	16.6	13.2	19.8
279	23.5	19.2	28.8

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 11/24/2025
Supervised By :mohammad ahmed 11/26/2025



#92

Benzo(g,h,i)perylene

Concen: 3.401 ng

RT: 29.859 min Scan# 4577

Delta R.T. -0.023 min

Lab File: BP026184.D

Acq: 21 Nov 2025 14:51

Tgt Ion:	276	Resp:	407447
Ion Ratio	Lower	Upper	
276	100		
277	23.3	18.8	28.2
138	22.2	17.8	26.6

