

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP112125\
 Data File : BP026182.D
 Acq On : 21 Nov 2025 12:38
 Operator : RC/JU
 Sample : Q3530-03
 Misc : MDL-SOIL-8NG
 ALS Vial : 5 Sample Multiplier: 1

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

Quant Time: Nov 21 12:58:47 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	7.654	152	412843	20.000	ng	-0.02
21) Naphthalene-d8	10.419	136	1419968	20.000	ng	-0.03
39) Acenaphthene-d10	14.301	164	820331	20.000	ng	-0.02
64) Phenanthrene-d10	17.119	188	1481967	20.000	ng	-0.01
76) Chrysene-d12	21.571	240	1500207	20.000	ng	0.00
86) Perylene-d12	24.901	264	1574815	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.278	112	3436600	133.611	ng	-0.01
7) Phenol-d6	6.831	99	3683287	112.485	ng	-0.02
23) Nitrobenzene-d5	8.790	82	2223051	88.928	ng	-0.02
42) 2,4,6-Tribromophenol	15.825	330	1205286	113.261	ng	-0.01
45) 2-Fluorobiphenyl	12.907	172	5011526	89.535	ng	-0.02
79) Terphenyl-d14	19.871	244	6811316	92.578	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.237	88	98475	9.439	ng	99
3) Pyridine	3.625	79	207467	6.881	ng	98
4) n-Nitrosodimethylamine	3.537	42	81483	7.231	ng	# 92
6) Aniline	6.990	93	292806	6.773	ng	98
8) 2-Chlorophenol	7.225	128	216782	7.404	ng	99
9) Benzaldehyde	6.802	77	157102	9.155	ng	97
10) Phenol	6.854	94	244135	6.921	ng	94
11) bis(2-Chloroethyl)ether	7.078	93	189118	6.847	ng	98
12) 1,3-Dichlorobenzene	7.543	146	260817	8.269	ng	100
13) 1,4-Dichlorobenzene	7.690	146	256911	8.083	ng	98
14) 1,2-Dichlorobenzene	8.002	146	242784	7.955	ng	100
15) Benzyl Alcohol	7.884	79	146702	6.115	ng	97
16) 2,2'-oxybis(1-Chloropr...	8.178	45	264928	6.830	ng	98
17) 2-Methylphenol	8.084	107	151876	6.325	ng	99
18) Hexachloroethane	8.719	117	90368	7.814	ng	98
19) n-Nitroso-di-n-propyla...	8.443	70	120245	5.911	ng	97
20) 3+4-Methylphenols	8.407	107	198876	5.977	ng	99
22) Acetophenone	8.460	105	277493	7.688	ng	# 99
24) Nitrobenzene	8.831	77	198143	7.836	ng	99
25) Isophorone	9.354	82	348536	7.033	ng	98
26) 2-Nitrophenol	9.537	139	81665	6.382	ng	97
27) 2,4-Dimethylphenol	9.601	122	143948	6.239	ng	99
28) bis(2-Chloroethoxy)met...	9.837	93	229892	7.407	ng	99
29) 2,4-Dichlorophenol	10.066	162	164841	7.148	ng	97
30) 1,2,4-Trichlorobenzene	10.284	180	200092	8.521	ng	98
31) Naphthalene	10.472	128	592539	7.721	ng	100
32) Benzoic acid	9.672	122	72723	3.743	ng	97
33) 4-Chloroaniline	10.572	127	229119	7.021	ng	100
34) Hexachlorobutadiene	10.766	225	123371	8.078	ng	99
35) Caprolactam	11.331	113	43897	5.316	ng	98
36) 4-Chloro-3-methylphenol	11.707	107	160376	6.543	ng	99
37) 2-Methylnaphthalene	12.090	142	357719	6.575	ng	99
38) 1-Methylnaphthalene	12.313	142	374059	7.034	ng	99
40) 1,2,4,5-Tetrachloroben...	12.460	216	212656	8.573	ng	100
41) Hexachlorocyclopentadiene	12.454	237	95693	5.895	ng	98
43) 2,4,6-Trichlorophenol	12.707	196	122659	7.213	ng	98

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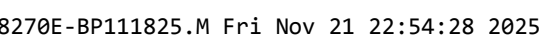
Reviewed By :Jagrut Upadhyay 11/24/2025
 Supervised By :mohammad ahmed 11/26/2025

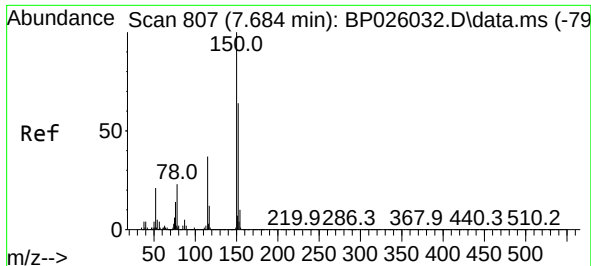
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.778	196	137999	7.270	ng	98
46) 1,1'-Biphenyl	13.119	154	509384	8.246	ng	98
47) 2-Chloronaphthalene	13.154	162	389711	8.023	ng	100
48) 2-Nitroaniline	13.354	65	85194	6.307	ng	95
49) Acenaphthylene	14.013	152	597802	7.461	ng	99
50) Dimethylphthalate	13.748	163	454224	7.413	ng	98
51) 2,6-Dinitrotoluene	13.866	165	87886	7.239	ng	97
52) Acenaphthene	14.360	154	372816	7.940	ng	99
53) 3-Nitroaniline	14.195	138	88591	6.198	ng	# 90
54) 2,4-Dinitrophenol	14.401	184	29069	3.967	ng	99
55) Dibenzofuran	14.707	168	567440	7.803	ng	99
56) 4-Nitrophenol	14.519	139	62179	4.808	ng	99
57) 2,4-Dinitrotoluene	14.666	165	109258	6.027	ng	96
58) Fluorene	15.372	166	445169	7.745	ng	99
59) 2,3,4,6-Tetrachlorophenol	14.942	232	116349	7.225	ng	99
60) Diethylphthalate	15.148	149	441477	7.153	ng	100
61) 4-Chlorophenyl-phenyle...	15.372	204	221125	7.731	ng	99
62) 4-Nitroaniline	15.378	138	83794	5.645	ng	98
63) Azobenzene	15.678	77	386712	7.431	ng	99
65) 4,6-Dinitro-2-methylph...	15.442	198	50521	5.366	ng	94
66) n-Nitrosodiphenylamine	15.595	169	374210	8.163	ng	100
67) 4-Bromophenyl-phenylether	16.301	248	129661	7.900	ng	97
68) Hexachlorobenzene	16.413	284	153416	8.056	ng	97
69) Atrazine	16.578	200	127479	7.374	ng	97
70) Pentachlorophenol	16.760	266	87804	6.591	ng	96
71) Phenanthrene	17.166	178	680924	8.156	ng	98
72) Anthracene	17.260	178	664885	7.809	ng	99
73) Carbazole	17.536	167	612211	7.570	ng	99
74) Di-n-butylphthalate	18.154	149	707217	7.376	ng	99
75) Fluoranthene	19.260	202	760409	7.497	ng	99
77) Benzidine	19.471	184	222751	4.679	ng	99
78) Pyrene	19.642	202	807734	8.212	ng	99
80) Butylbenzylphthalate	20.607	149	297551	6.869	ng	96
81) Benzo(a)anthracene	21.554	228	797400	7.739	ng	98
82) 3,3'-Dichlorobenzidine	21.483	252	252570	6.741	ng	100
83) Chrysene	21.618	228	766965	7.899	ng	99
84) Bis(2-ethylhexyl)phtha...	21.518	149	468812	7.149	ng	99
85) Di-n-octyl phthalate	22.801	149	715306	6.238	ng	99
87) Indeno(1,2,3-cd)pyrene	28.677	276	880558m	7.456	ng	
88) Benzo(b)fluoranthene	23.854	252	756073	7.884	ng	98
89) Benzo(k)fluoranthene	23.930	252	774555	8.086	ng	99
90) Benzo(a)pyrene	24.748	252	716022	7.882	ng	99
91) Dibenzo(a,h)anthracene	28.765	278	726719	7.517	ng	98
92) Benzo(g,h,i)perylene	29.842	276	723904	7.533	ng	98

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

Manual Integrations

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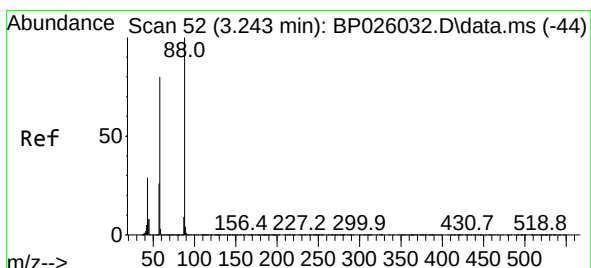
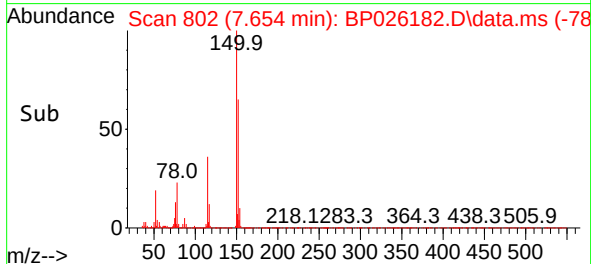
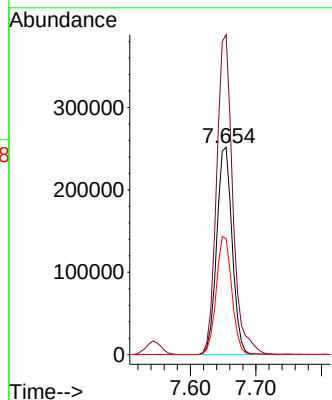
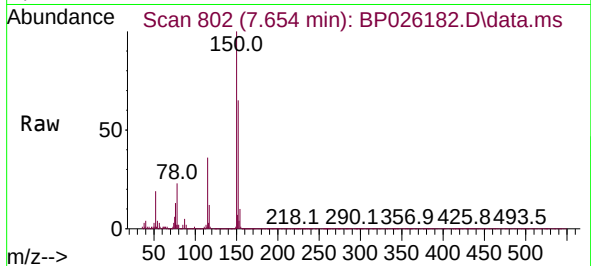
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.654 min Scan# 80
Delta R.T. -0.018 min
Lab File: BP026182.D
Acq: 21 Nov 2025 12:38

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

Tgt Ion:152 Resp: 41284
Ion Ratio Lower Upper
152 100
150 154.3 123.0 184.6
115 56.0 46.3 69.5

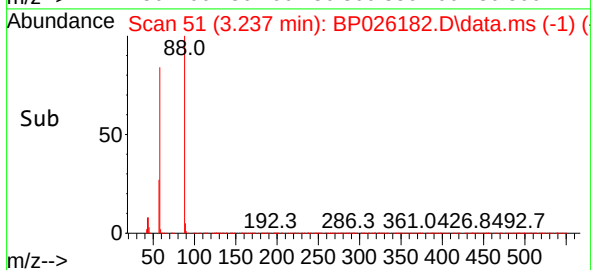
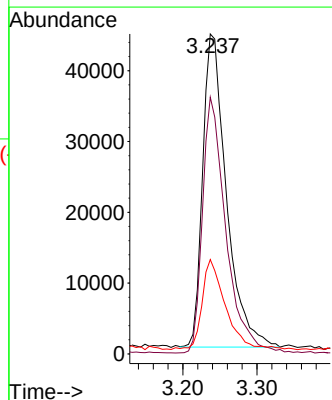
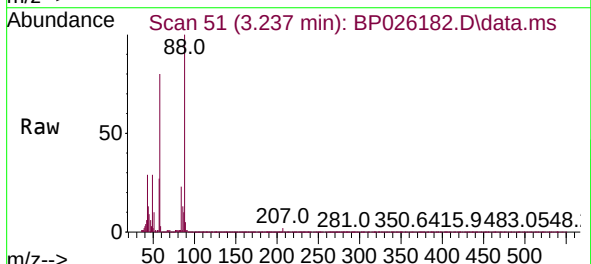
Manual Integrations
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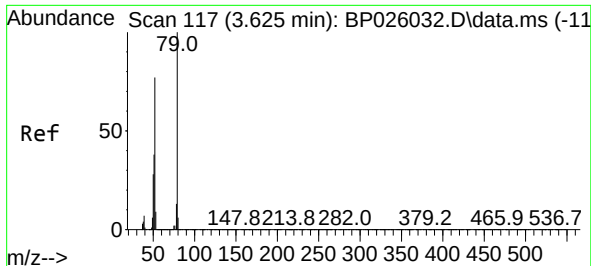
Reviewed By :Jagrut Upadhyay 11/24/2025
Supervised By :mohammad ahmed 11/26/2025



#2
1,4-Dioxane
Concen: 9.439 ng
RT: 3.237 min Scan# 51
Delta R.T. 0.012 min
Lab File: BP026182.D
Acq: 21 Nov 2025 12:38

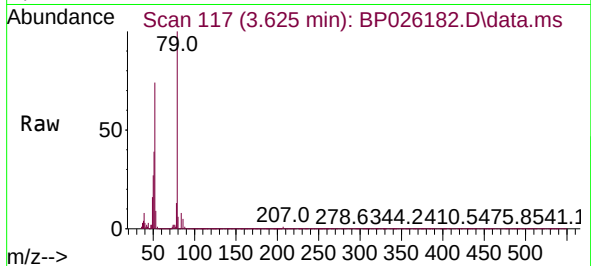
Tgt Ion: 88 Resp: 98475
Ion Ratio Lower Upper
88 100
58 80.6 64.2 96.4
43 28.7 21.5 32.3





#3
Pyridine
Concen: 6.881 ng
RT: 3.625 min Scan# 117
Delta R.T. 0.012 min
Lab File: BP026182.D
Acq: 21 Nov 2025 12:38

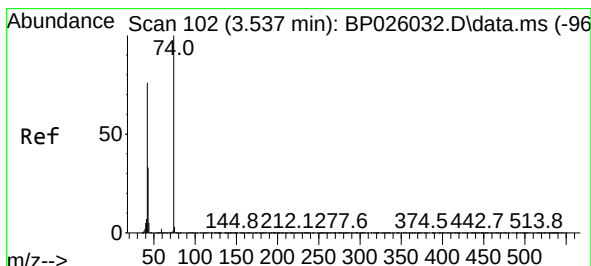
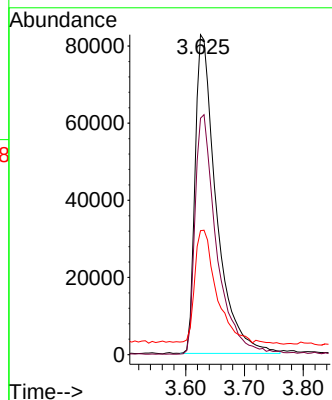
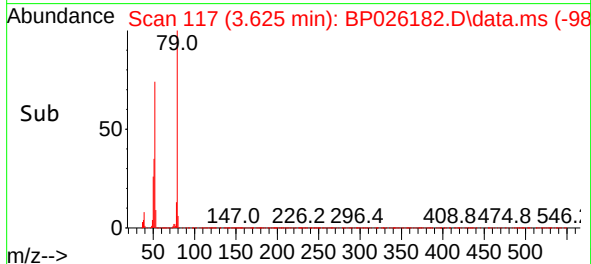
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ClientSampleId :
MDL-SOIL-03-QT4-2025



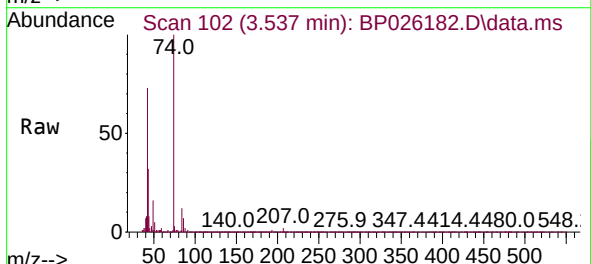
Tgt Ion: 79 Resp: 207462
Ion Ratio Lower Upper
79 100
52 73.9 60.2 90.2
51 38.7 29.5 44.3

Manual Integrations
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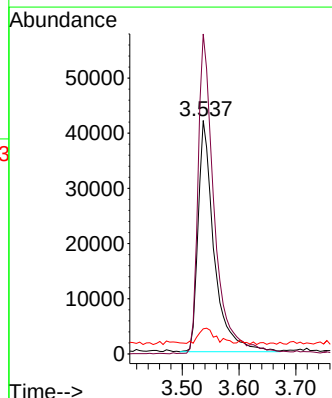
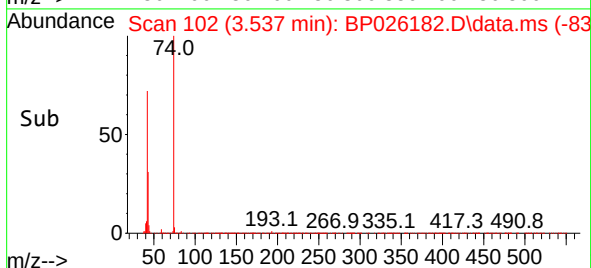
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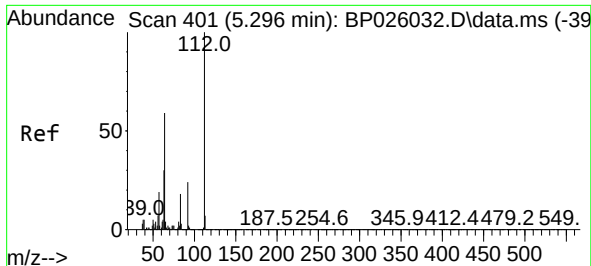


#4
n-Nitrosodimethylamine
Concen: 7.231 ng
RT: 3.537 min Scan# 102
Delta R.T. 0.012 min
Lab File: BP026182.D
Acq: 21 Nov 2025 12:38



Tgt Ion: 42 Resp: 81483
Ion Ratio Lower Upper
42 100
74 137.1 118.1 177.1
44 10.7 6.2 9.4





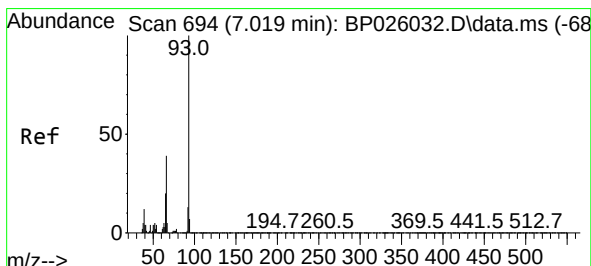
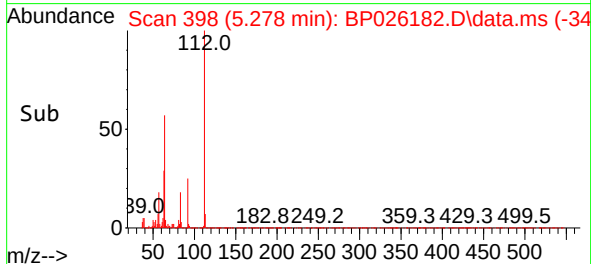
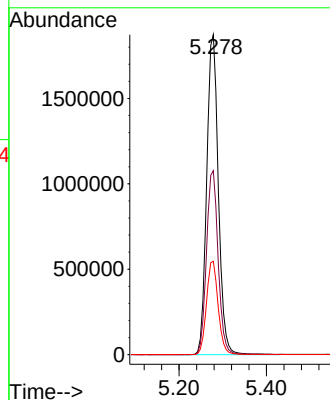
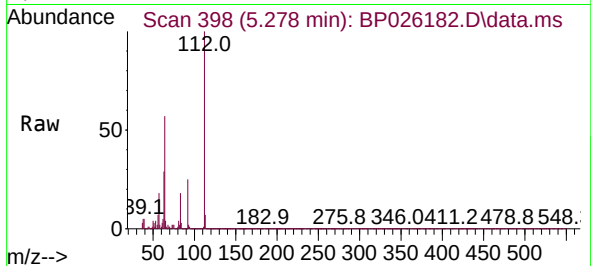
#5
2-Fluorophenol
Concen: 133.611 ng
RT: 5.278 min Scan# 39
Delta R.T. -0.012 min
Lab File: BP026182.D
Acq: 21 Nov 2025 12:38

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

Tgt Ion:112 Resp: 3436600
Ion Ratio Lower Upper
112 100
64 57.5 45.8 68.6
63 29.2 23.5 35.3

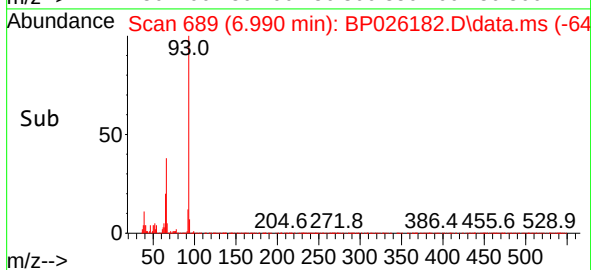
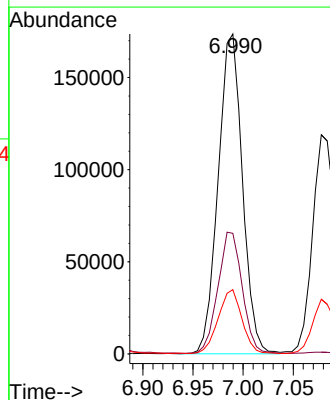
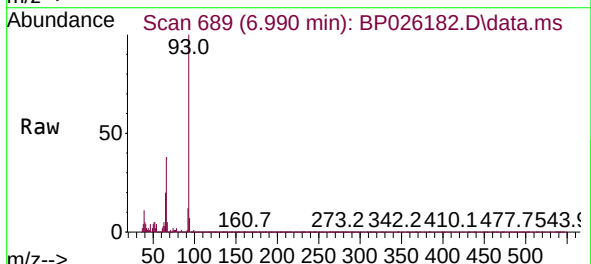
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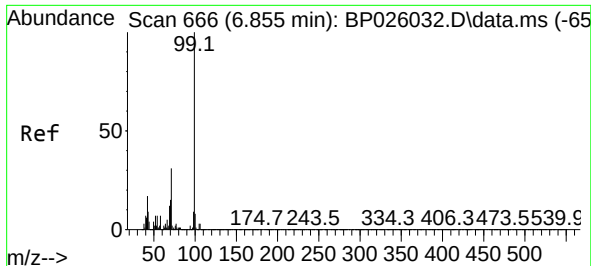
Reviewed By :Jagrut Upadhyay 11/24/2025
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#6
Aniline
Concen: 6.773 ng
RT: 6.990 min Scan# 689
Delta R.T. -0.012 min
Lab File: BP026182.D
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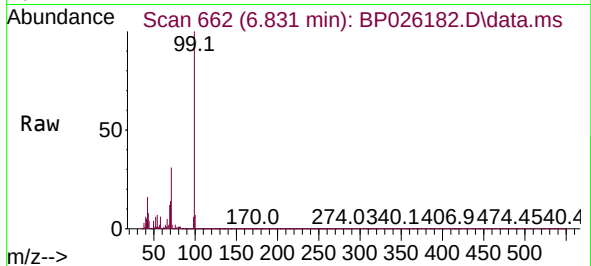
Tgt Ion: 93 Resp: 292806
Ion Ratio Lower Upper
93 100
66 37.7 31.7 47.5
65 20.1 15.8 23.6





#7
Phenol-d6
Concen: 112.485 ng
RT: 6.831 min Scan# 60
Delta R.T. -0.024 min
Lab File: BP026182.D
Acq: 21 Nov 2025 12:38

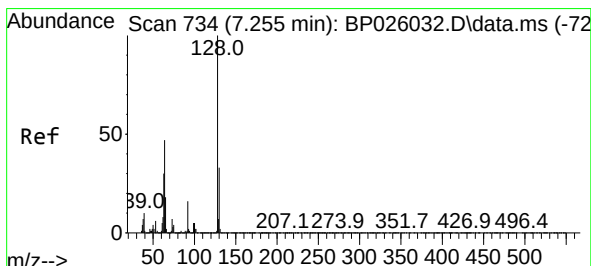
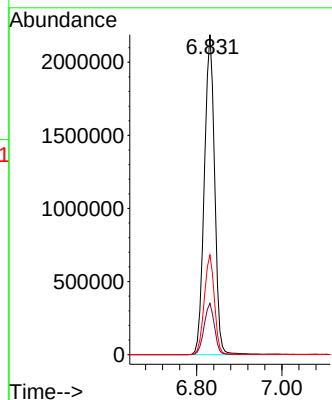
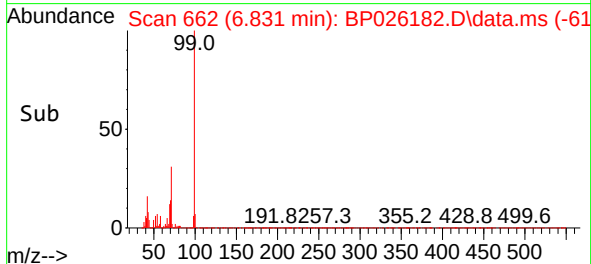
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Tgt Ion: 99 Resp: 368328
Ion Ratio Lower Upper
99 100
42 16.0 12.9 19.3
71 31.1 24.8 37.2

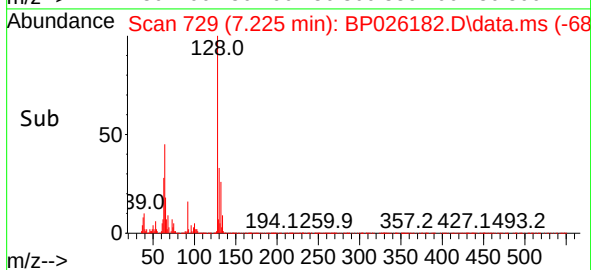
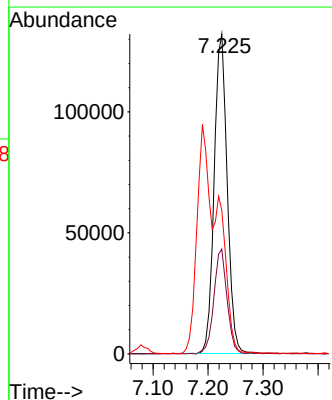
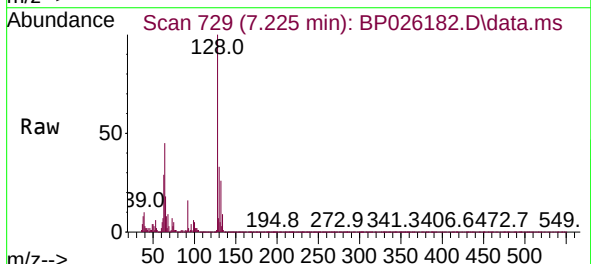
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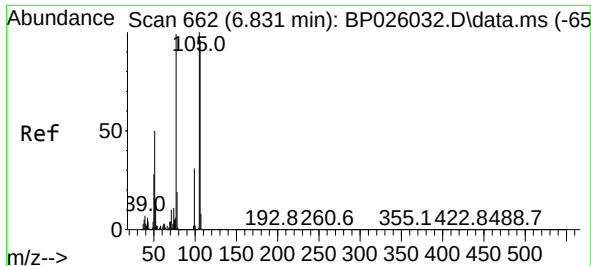
Reviewed By :Jagrut Upadhyay 11/24/2025
Supervised By :mohammad ahmed 11/26/2025



#8
2-Chlorophenol
Concen: 7.404 ng
RT: 7.225 min Scan# 729
Delta R.T. -0.018 min
Lab File: BP026182.D
Acq: 21 Nov 2025 12:38

Tgt Ion:128 Resp: 216782
Ion Ratio Lower Upper
128 100
130 32.8 12.4 52.4
64 44.8 23.9 63.9





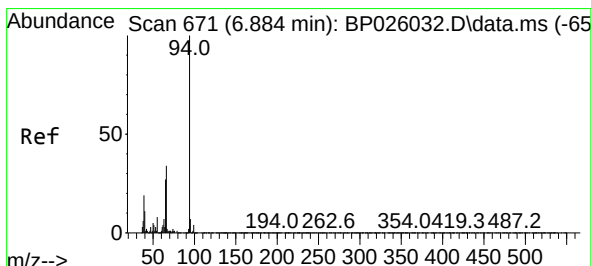
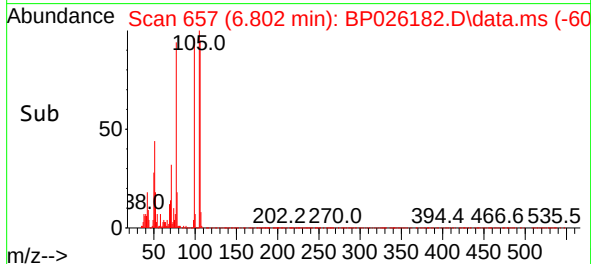
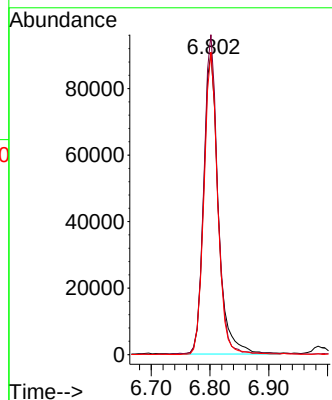
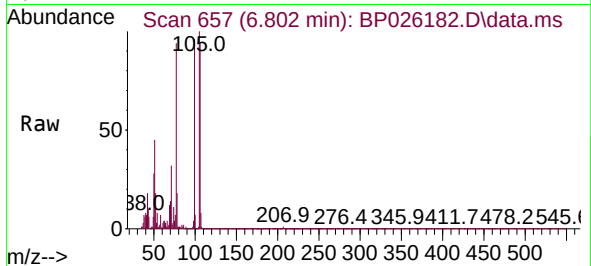
#9
Benzaldehyde
Concen: 9.155 ng
RT: 6.802 min Scan# 61
Delta R.T. -0.018 min
Lab File: BP026182.D
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Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT4-2025

Tgt Ion: 77 Resp: 157102
Ion Ratio Lower Upper
77 100
105 105.9 82.9 122.9
106 100.1 77.8 117.8

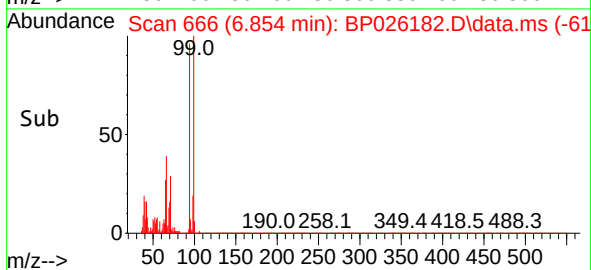
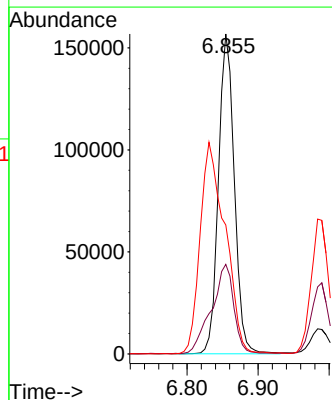
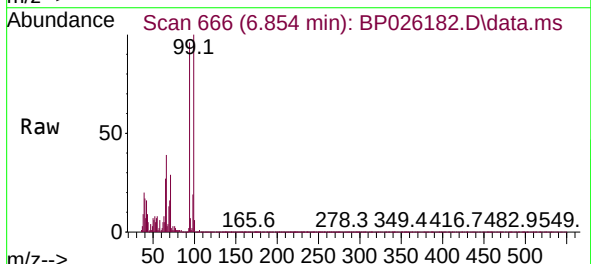
Manual Integrations
APPROVED

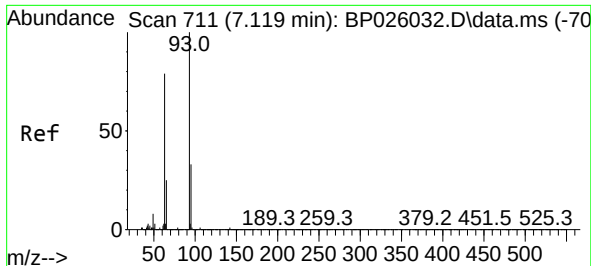
Reviewed By :Jagrut Upadhyay 11/24/2025
Supervised By :mohammad ahmed 11/26/2025



#10
Phenol
Concen: 6.921 ng
RT: 6.854 min Scan# 666
Delta R.T. -0.024 min
Lab File: BP026182.D
Acq: 21 Nov 2025 12:38

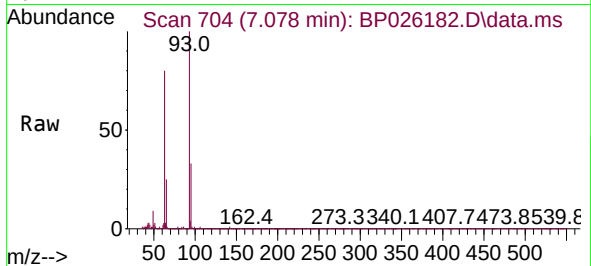
Tgt Ion: 94 Resp: 244135
Ion Ratio Lower Upper
94 100
65 28.0 7.0 47.0
66 40.3 14.5 54.5





#11
bis(2-Chloroethyl)ether
Concen: 6.847 ng
RT: 7.078 min Scan# 704
Delta R.T. -0.018 min
Lab File: BP026182.D
Acq: 21 Nov 2025 12:38

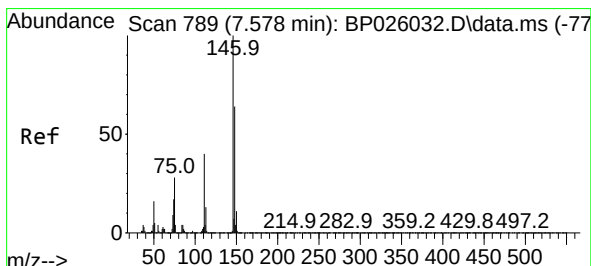
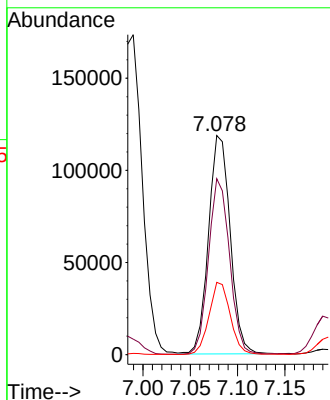
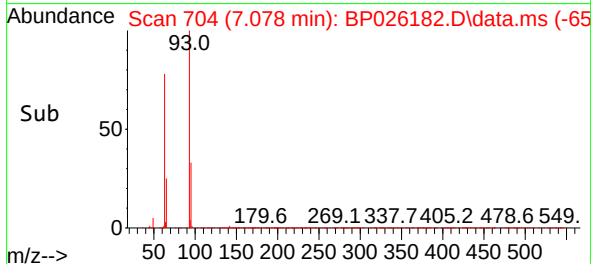
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT4-2025



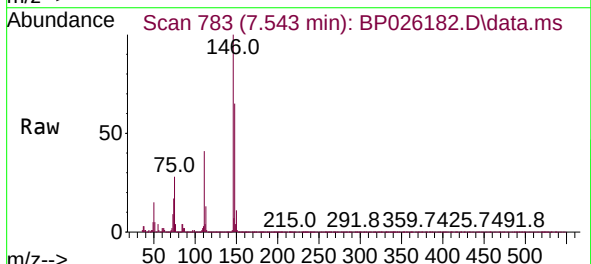
Tgt Ion: 93 Resp: 189118
Ion Ratio Lower Upper
93 100
63 80.3 58.8 98.8
95 33.0 12.1 52.1

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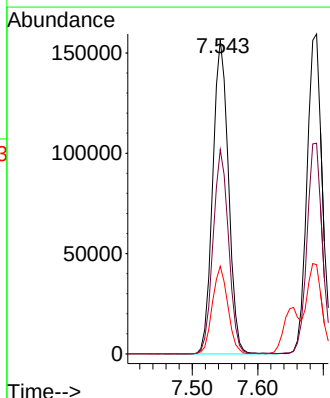
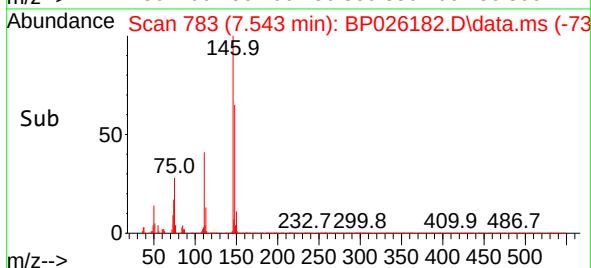
Reviewed By :Jagrut Upadhyay 11/24/2025
Supervised By :mohammad ahmed 11/26/2025

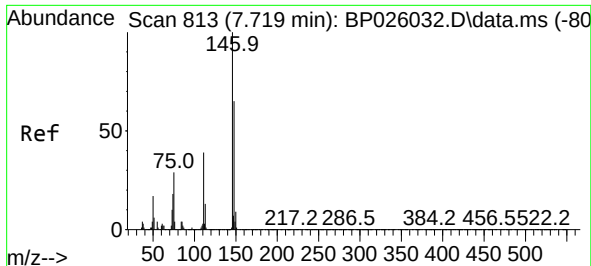


#12
1,3-Dichlorobenzene
Concen: 8.269 ng
RT: 7.543 min Scan# 783
Delta R.T. -0.024 min
Lab File: BP026182.D
Acq: 21 Nov 2025 12:38



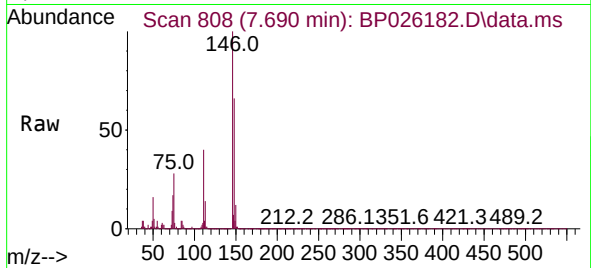
Tgt Ion:146 Resp: 260817
Ion Ratio Lower Upper
146 100
148 65.0 51.8 77.8
75 27.9 22.2 33.2





#13
1,4-Dichlorobenzene
Concen: 8.083 ng
RT: 7.690 min Scan# 80
Delta R.T. -0.012 min
Lab File: BP026182.D
Acq: 21 Nov 2025 12:38

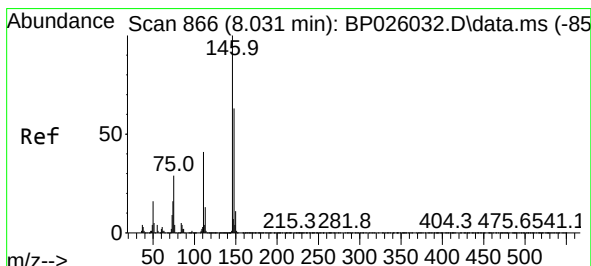
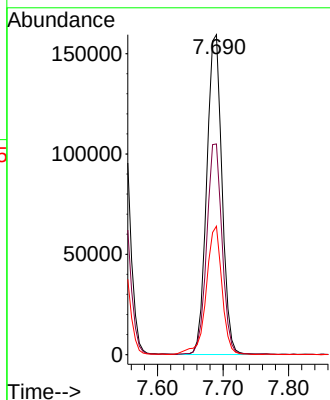
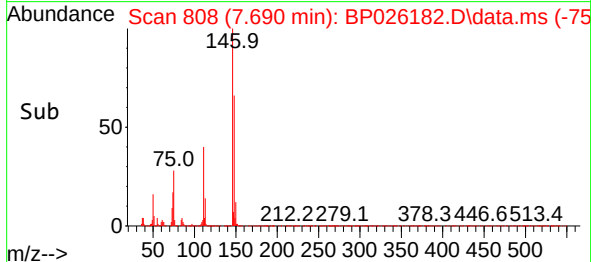
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT4-2025



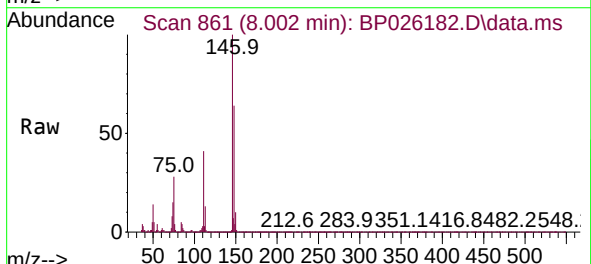
Tgt Ion:146 Resp: 256911
Ion Ratio Lower Upper
146 100
148 65.8 51.4 77.2
111 40.1 31.7 47.5

Manual Integrations
APPROVED

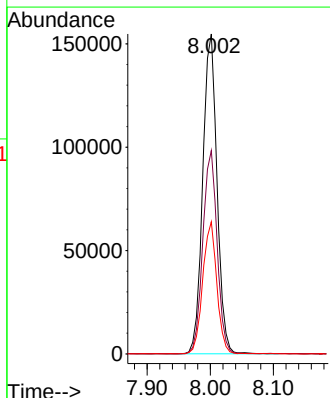
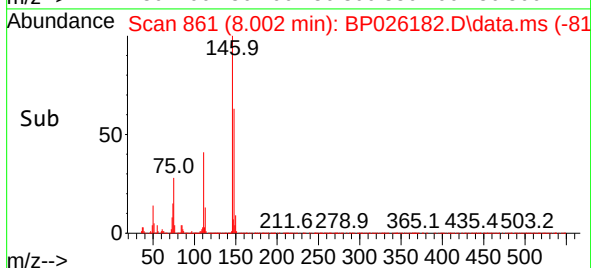
Reviewed By :Jagrut Upadhyay 11/24/2025
Supervised By :mohammad ahmed 11/26/2025

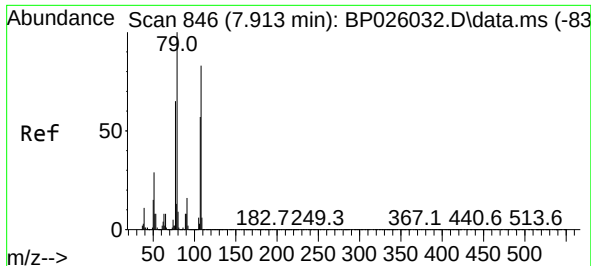


#14
1,2-Dichlorobenzene
Concen: 7.955 ng
RT: 8.002 min Scan# 861
Delta R.T. -0.012 min
Lab File: BP026182.D
Acq: 21 Nov 2025 12:38



Tgt Ion:146 Resp: 242784
Ion Ratio Lower Upper
146 100
148 63.5 51.0 76.6
111 41.3 33.0 49.4





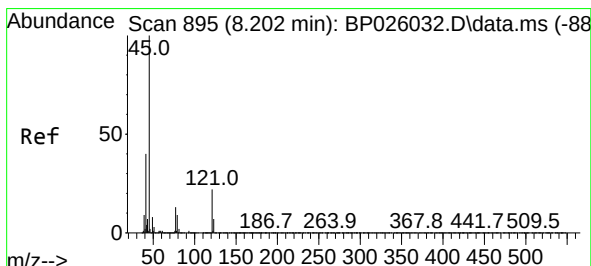
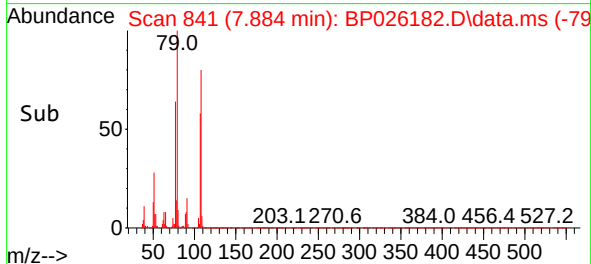
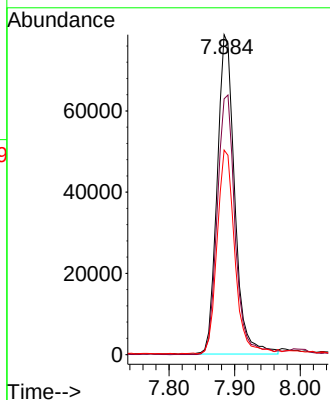
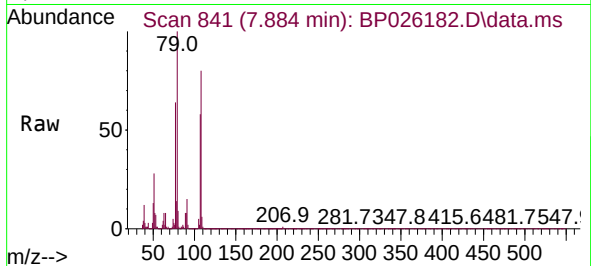
#15
Benzyl Alcohol
Concen: 6.115 ng
RT: 7.884 min Scan# 841
Delta R.T. -0.023 min
Lab File: BP026182.D
Acq: 21 Nov 2025 12:38

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

Tgt Ion: 79 Resp: 146702
Ion Ratio Lower Upper
79 100
108 79.9 66.2 99.4
77 63.9 50.0 75.0

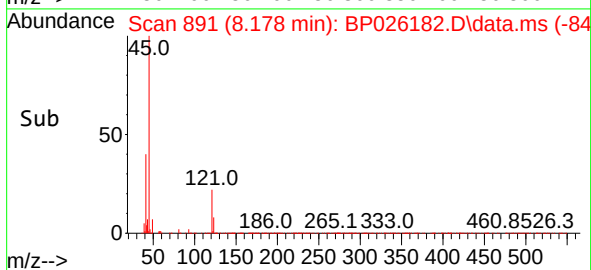
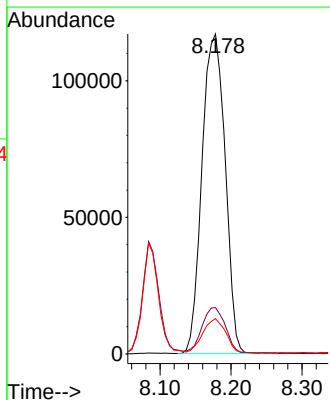
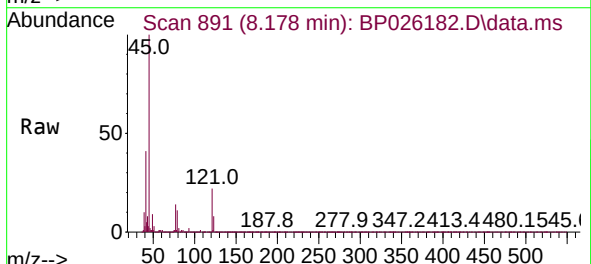
Manual Integrations
APPROVED

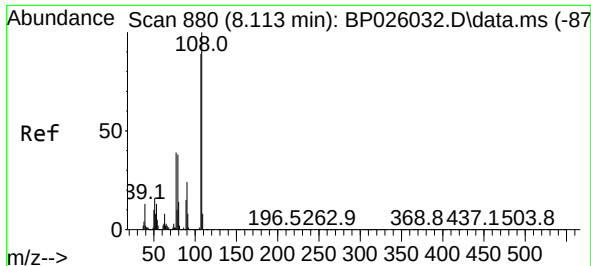
Reviewed By :Jagrut Upadhyay 11/24/2025
Supervised By :mohammad ahmed 11/26/2025



#16
2,2'-oxybis(1-Chloropropane)
Concen: 6.830 ng
RT: 8.178 min Scan# 891
Delta R.T. -0.018 min
Lab File: BP026182.D
Acq: 21 Nov 2025 12:38

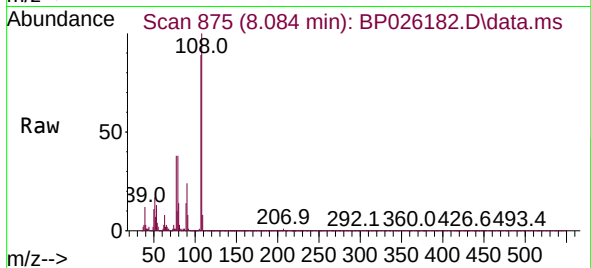
Tgt Ion: 45 Resp: 264928
Ion Ratio Lower Upper
45 100
77 14.5 0.0 33.9
79 11.1 0.0 30.4





#17
2-Methylphenol
Concen: 6.325 ng
RT: 8.084 min Scan# 81
Delta R.T. -0.029 min
Lab File: BP026182.D
Acq: 21 Nov 2025 12:38

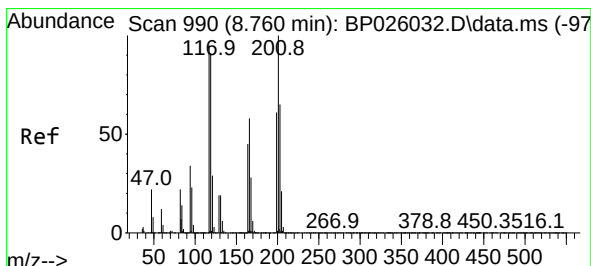
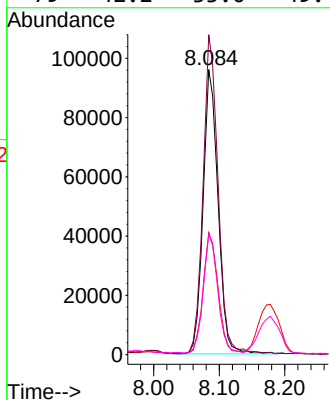
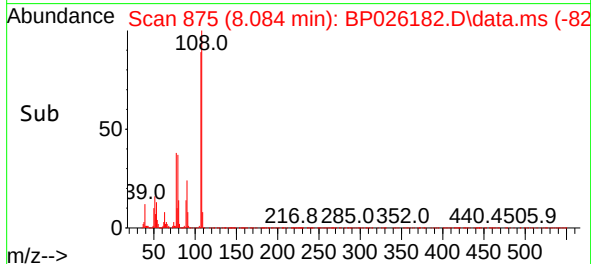
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT4-2025



Tgt Ion:107 Resp: 151876
Ion Ratio Lower Upper
107 100
108 112.3 89.7 134.5
77 42.8 33.9 50.9
79 42.2 33.0 49.4

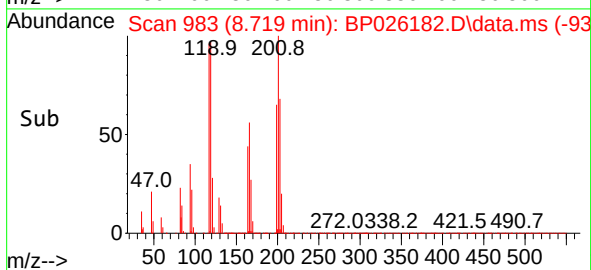
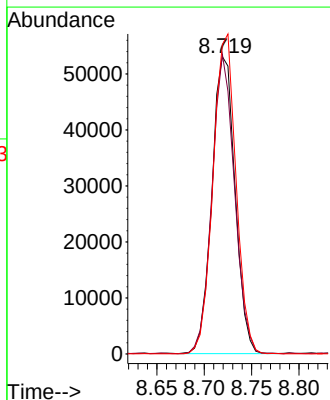
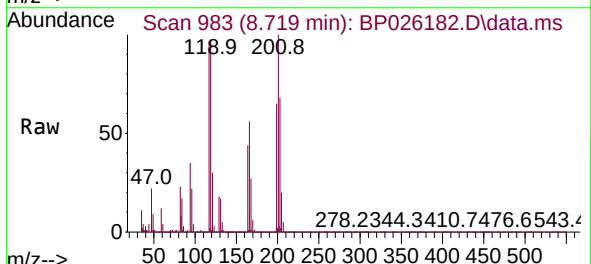
Manual Integrations
APPROVED

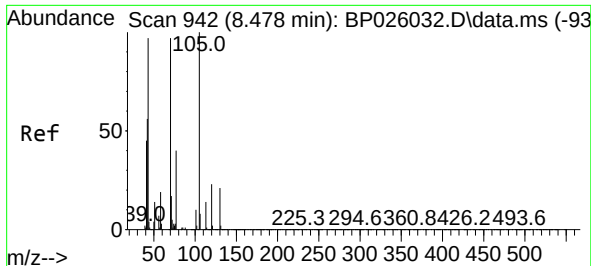
Reviewed By :Jagrut Upadhyay 11/24/2025
Supervised By :mohammad ahmed 11/26/2025



#18
Hexachloroethane
Concen: 7.814 ng
RT: 8.719 min Scan# 983
Delta R.T. -0.024 min
Lab File: BP026182.D
Acq: 21 Nov 2025 12:38

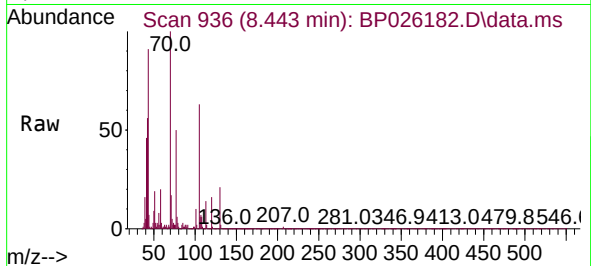
Tgt Ion:117 Resp: 90368
Ion Ratio Lower Upper
117 100
119 100.8 78.7 118.1
201 104.0 85.1 127.7





#19
n-Nitroso-di-n-propylamine
Concen: 5.911 ng
RT: 8.443 min Scan# 931
Delta R.T. -0.029 min
Lab File: BP026182.D
Acq: 21 Nov 2025 12:38

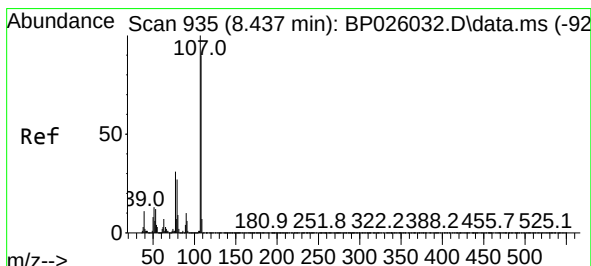
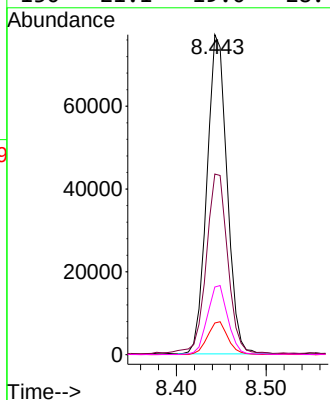
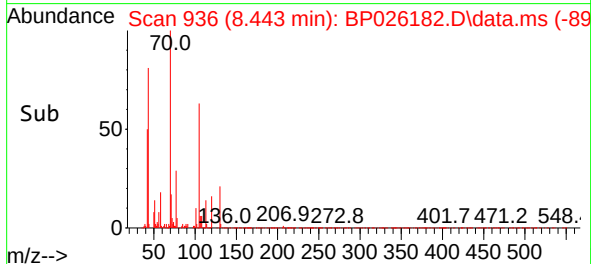
Instrument : BNA_P
ClientSampleId : MDL-SOIL-03-QT4-2025



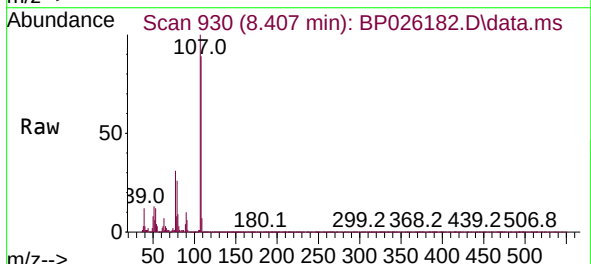
Tgt Ion: 70 Resp: 120245
Ion Ratio Lower Upper
70 100
42 56.4 44.1 66.1
101 9.9 8.2 12.4
130 21.1 19.0 28.4

Manual Integrations
APPROVED

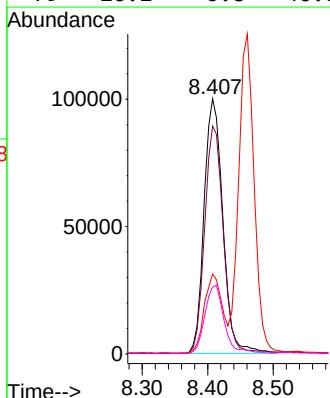
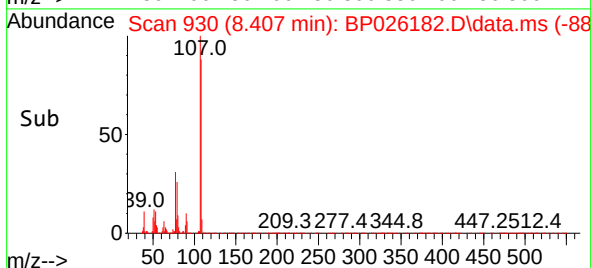
Reviewed By :Jagrut Upadhyay 11/24/2025
Supervised By :mohammad ahmed 11/26/2025

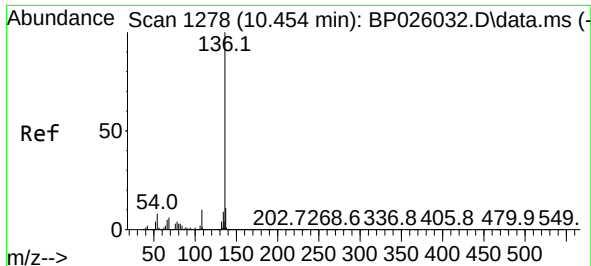


#20
3+4-Methylphenols
Concen: 5.977 ng
RT: 8.407 min Scan# 930
Delta R.T. -0.029 min
Lab File: BP026182.D
Acq: 21 Nov 2025 12:38



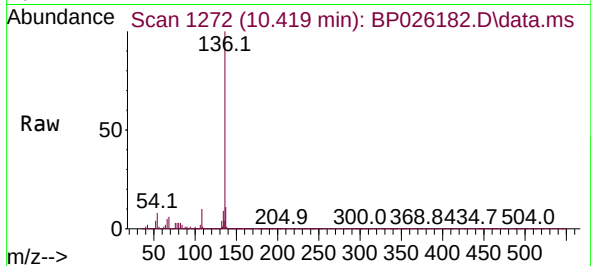
Tgt Ion:107 Resp: 198876
Ion Ratio Lower Upper
107 100
108 89.4 68.9 108.9
77 31.2 10.4 50.4
79 26.2 6.8 46.8





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.419 min Scan# 11
Delta R.T. -0.029 min
Lab File: BP026182.D
Acq: 21 Nov 2025 12:38

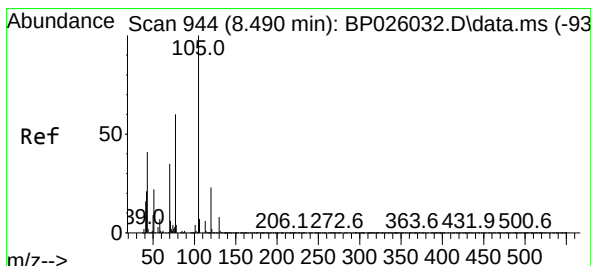
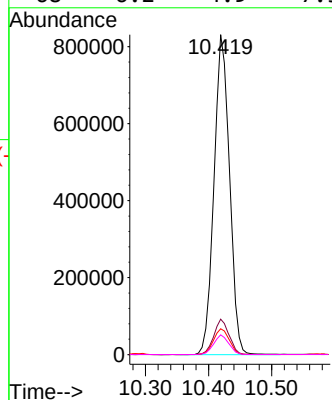
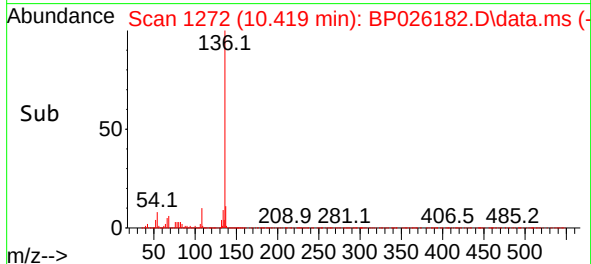
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT4-2025



Tgt Ion:136 Resp: 1419968
Ion Ratio Lower Upper
136 100
137 11.1 8.7 13.1
54 8.1 6.4 9.6
68 6.2 4.9 7.3

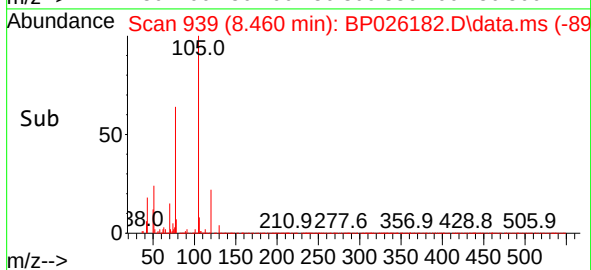
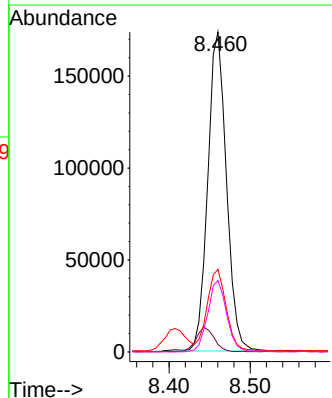
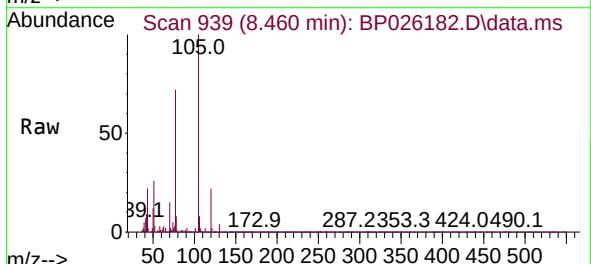
Manual Integrations
APPROVED

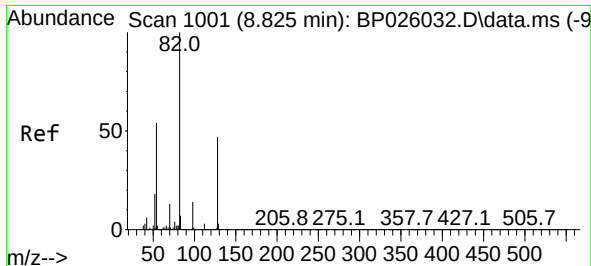
Reviewed By :Jagrut Upadhyay 11/24/2025
Supervised By :mohammad ahmed 11/26/2025



#22
Acetophenone
Concen: 7.688 ng
RT: 8.460 min Scan# 939
Delta R.T. -0.024 min
Lab File: BP026182.D
Acq: 21 Nov 2025 12:38

Tgt Ion:105 Resp: 277493
Ion Ratio Lower Upper
105 100
71 2.3 3.0 4.4#
51 25.8 20.5 30.7
120 22.3 18.2 27.2





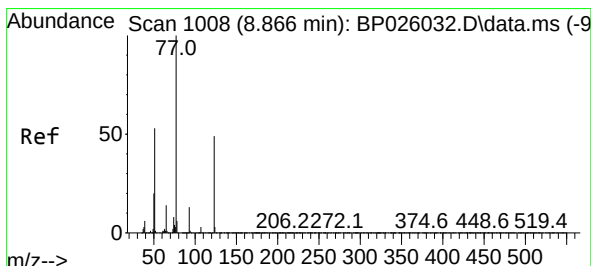
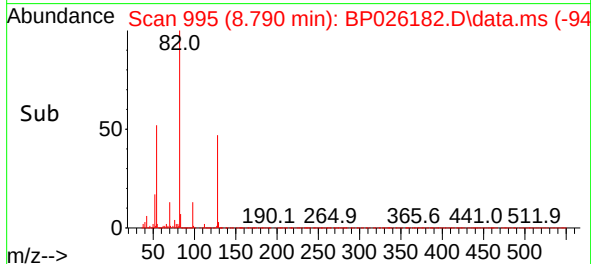
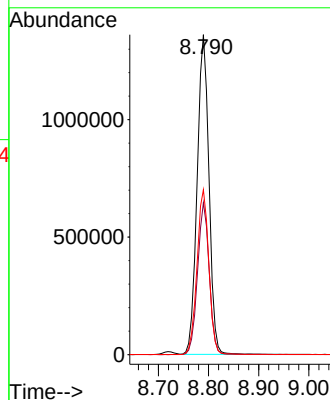
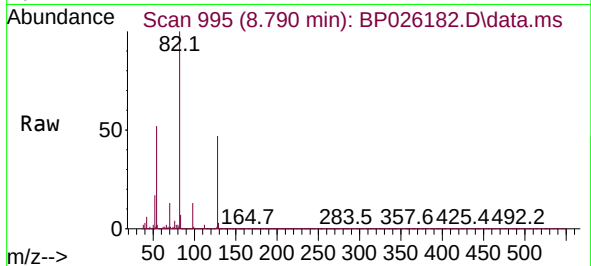
#23
Nitrobenzene-d5
Concen: 88.928 ng
RT: 8.790 min Scan# 99
Delta R.T. -0.024 min
Lab File: BP026182.D
Acq: 21 Nov 2025 12:38

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

Tgt Ion: 82 Resp: 222305
Ion Ratio Lower Upper
82 100
128 47.5 37.4 56.0
54 51.5 41.6 62.4

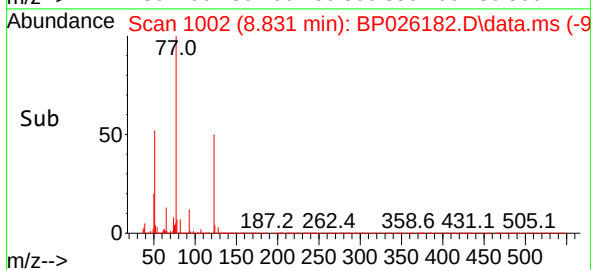
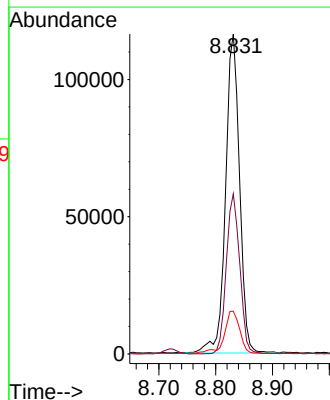
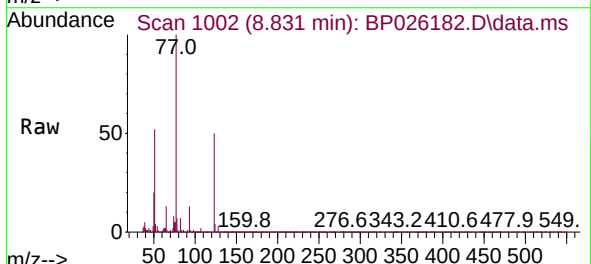
Manual Integrations
APPROVED

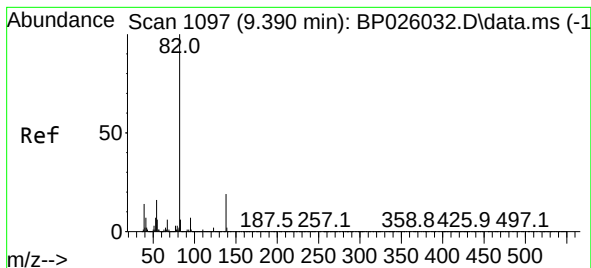
Reviewed By :Jagrut Upadhyay 11/24/2025
Supervised By :mohammad ahmed 11/26/2025



#24
Nitrobenzene
Concen: 7.836 ng
RT: 8.831 min Scan# 1002
Delta R.T. -0.024 min
Lab File: BP026182.D
Acq: 21 Nov 2025 12:38

Tgt Ion: 77 Resp: 198143
Ion Ratio Lower Upper
77 100
123 50.0 39.8 59.8
65 13.3 11.2 16.8





#25

Isophorone

Concen: 7.033 ng

RT: 9.354 min Scan# 1091

Delta R.T. -0.029 min

Lab File: BP026182.D

Acq: 21 Nov 2025 12:38

Instrument :

BNA_P

ClientSampleId :

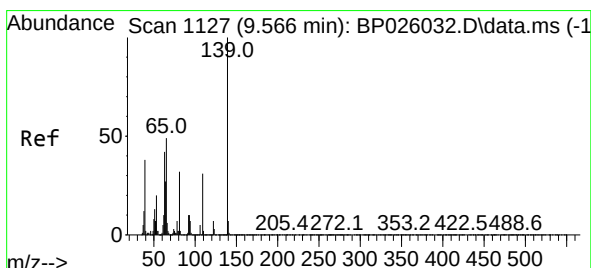
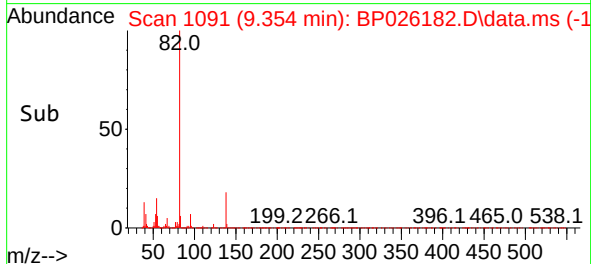
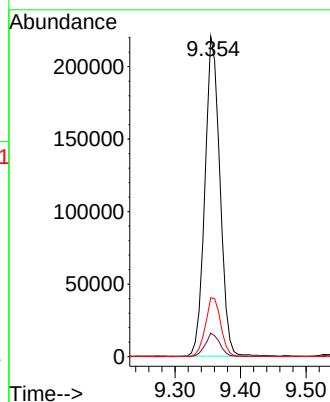
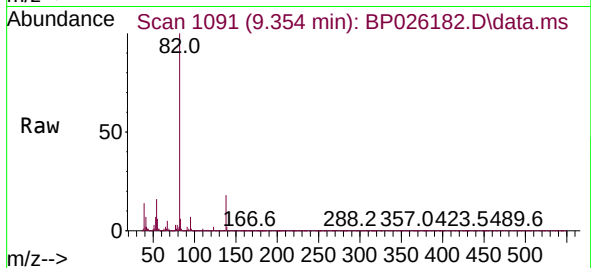
MDL-SOIL-03-QT4-2025

Tgt Ion:	82	Resp:	348536
Ion Ratio	Lower	Upper	
82	100		
95	7.3	5.4	8.0
138	18.4	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: 6.382 ng

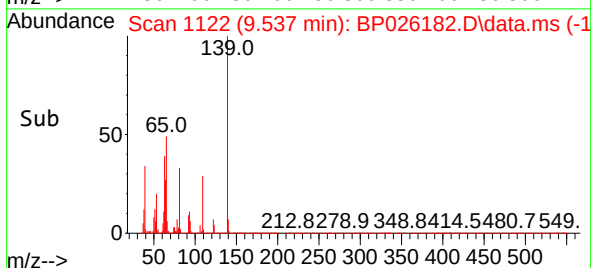
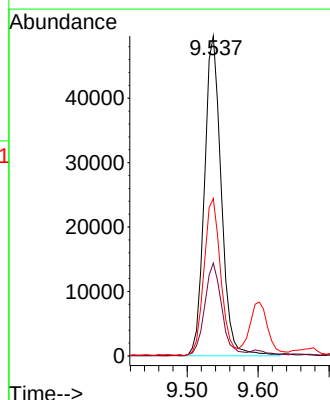
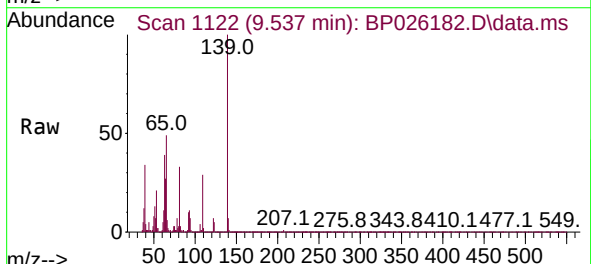
RT: 9.537 min Scan# 1122

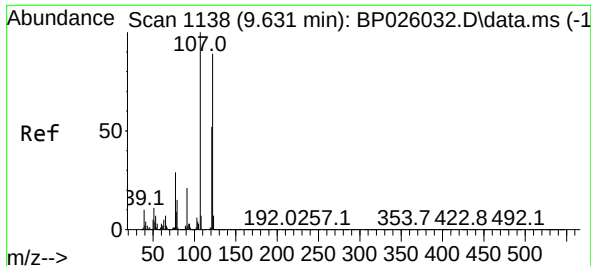
Delta R.T. -0.024 min

Lab File: BP026182.D

Acq: 21 Nov 2025 12:38

Tgt Ion:	139	Resp:	81665
Ion Ratio	Lower	Upper	
139	100		
109	29.0	22.3	33.5
65	49.2	37.2	55.8





#27

2,4-Dimethylphenol

Concen: 6.239 ng

RT: 9.601 min Scan# 1138

Delta R.T. -0.024 min

Lab File: BP026182.D

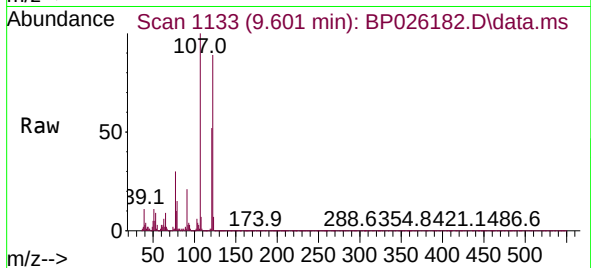
Acq: 21 Nov 2025 12:38

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT4-2025

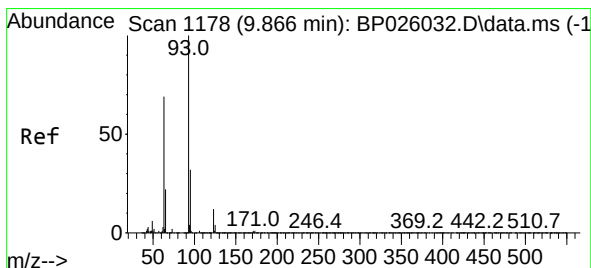
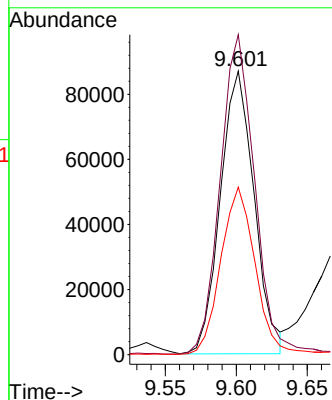
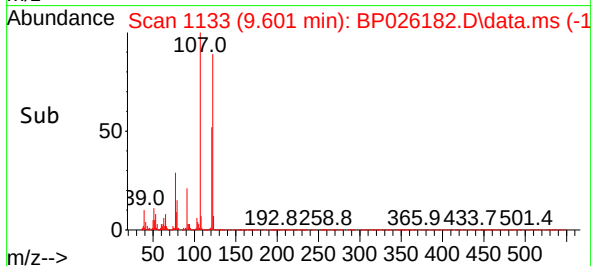


Tgt Ion	Ratio	Lower	Upper
122	100		
107	112.9	91.0	136.6
121	59.1	47.0	70.6

Manual Integrations

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



#28

bis(2-Chloroethoxy)methane

Concen: 7.407 ng

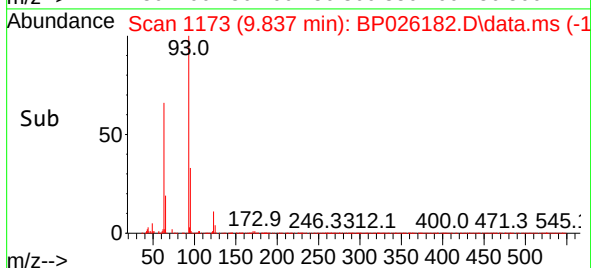
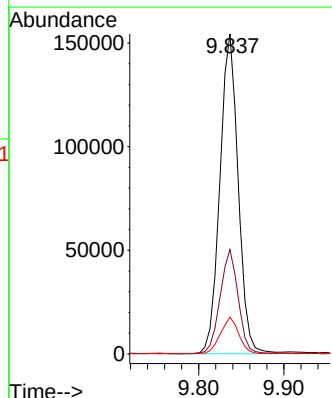
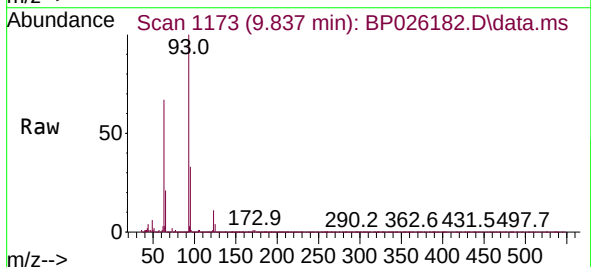
RT: 9.837 min Scan# 1173

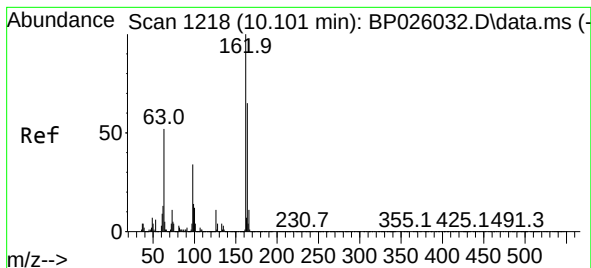
Delta R.T. -0.024 min

Lab File: BP026182.D

Acq: 21 Nov 2025 12:38

Tgt Ion	Ratio	Lower	Upper
93	100		
95	32.6	26.4	39.6
123	11.4	9.4	14.0





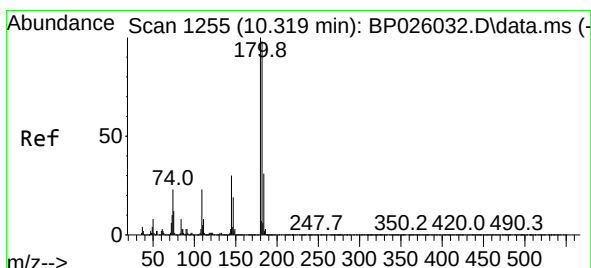
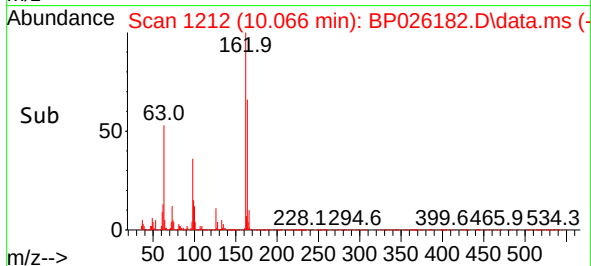
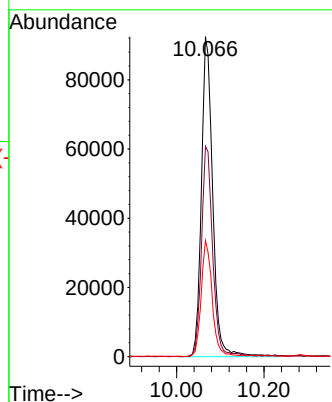
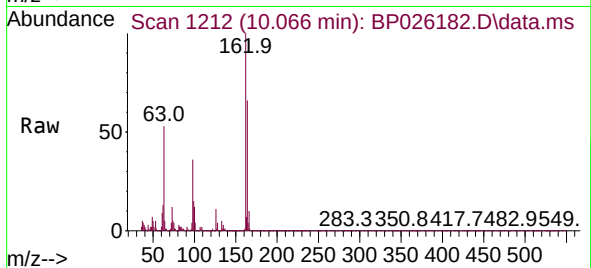
#29
2,4-Dichlorophenol
Concen: 7.148 ng
RT: 10.066 min Scan# 1218
Delta R.T. -0.029 min
Lab File: BP026182.D
Acq: 21 Nov 2025 12:38

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

Tgt Ion:162 Resp: 16484
Ion Ratio Lower Upper
162 100
164 65.7 43.8 83.8
98 36.3 14.1 54.1

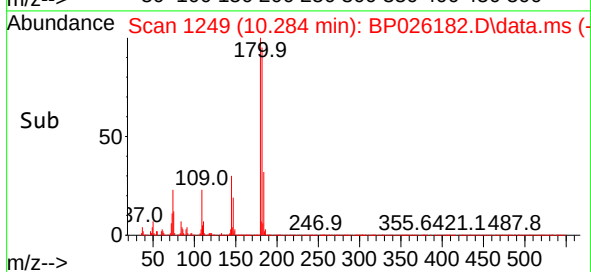
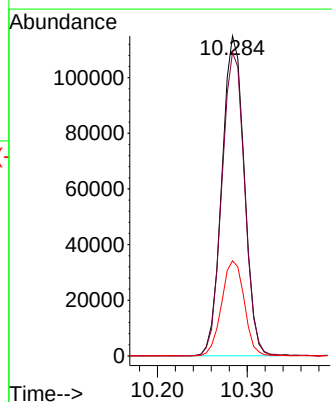
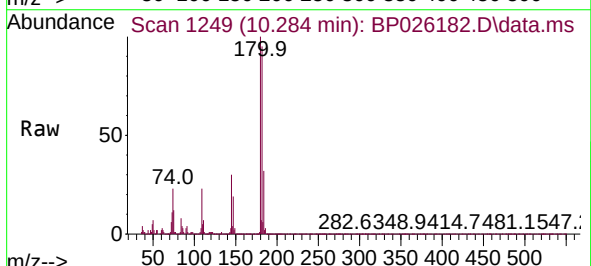
Manual Integrations
APPROVED

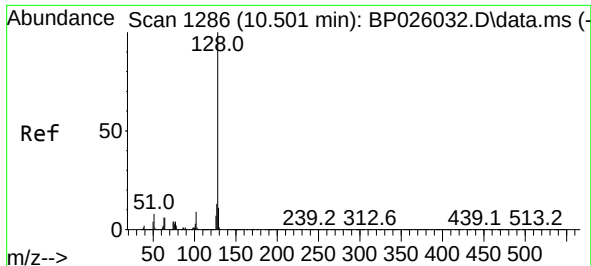
Reviewed By :Jagrut Upadhyay 11/24/2025
Supervised By :mohammad ahmed 11/26/2025



#30
1,2,4-Trichlorobenzene
Concen: 8.521 ng
RT: 10.284 min Scan# 1249
Delta R.T. -0.023 min
Lab File: BP026182.D
Acq: 21 Nov 2025 12:38

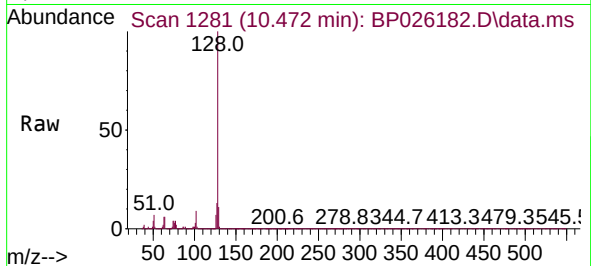
Tgt Ion:180 Resp: 200092
Ion Ratio Lower Upper
180 100
182 94.9 78.1 117.1
145 29.7 24.2 36.4





#31
Naphthalene
Concen: 7.721 ng
RT: 10.472 min Scan# 1145
Delta R.T. -0.024 min
Lab File: BP026182.D
Acq: 21 Nov 2025 12:38

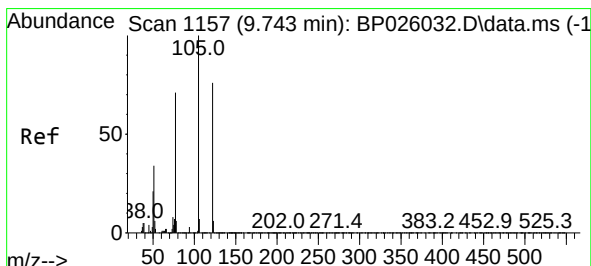
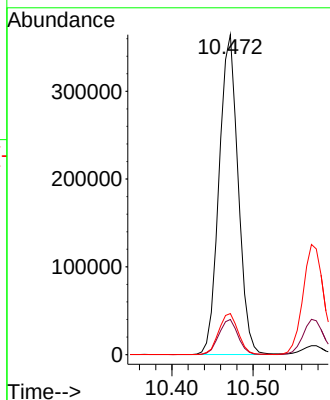
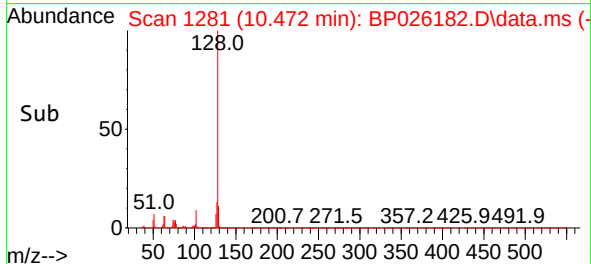
Instrument : BNA_P
ClientSampleId : MDL-SOIL-03-QT4-2025



Tgt Ion:128 Resp: 592539
Ion Ratio Lower Upper
128 100
129 11.0 9.0 13.6
127 12.8 10.2 15.4

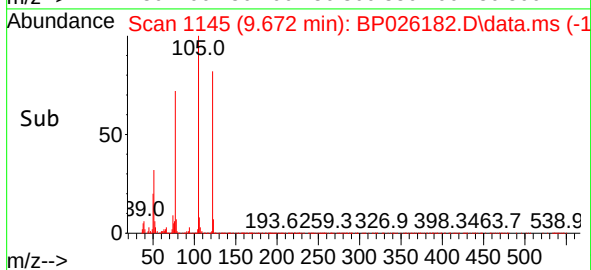
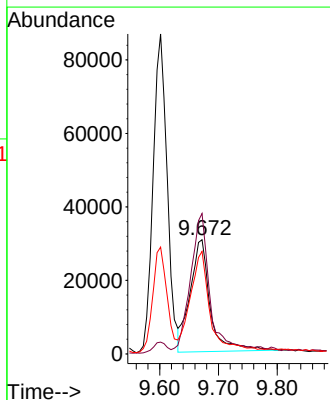
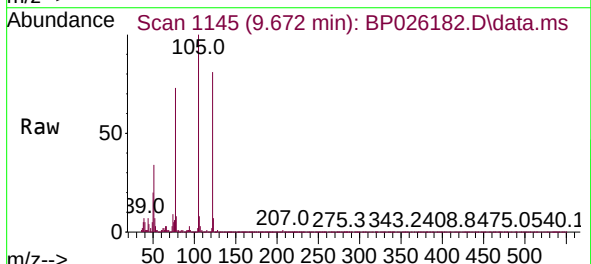
Manual Integrations
APPROVED

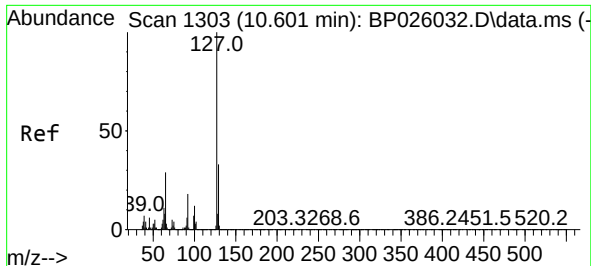
Reviewed By :Jagrut Upadhyay 11/24/2025
Supervised By :mohammad ahmed 11/26/2025



#32
Benzoic acid
Concen: 3.743 ng
RT: 9.672 min Scan# 1145
Delta R.T. -0.094 min
Lab File: BP026182.D
Acq: 21 Nov 2025 12:38

Tgt Ion:122 Resp: 72723
Ion Ratio Lower Upper
122 100
105 123.0 100.1 140.1
77 89.7 66.7 106.7





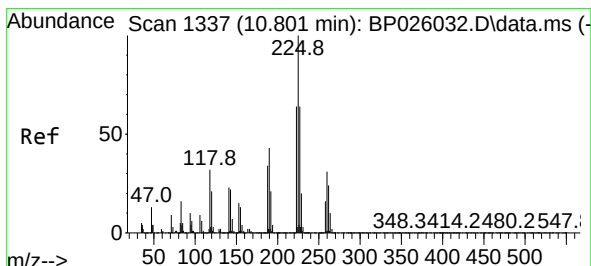
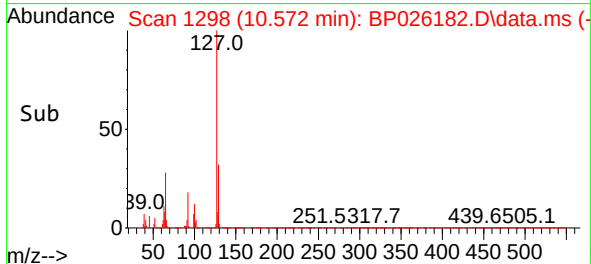
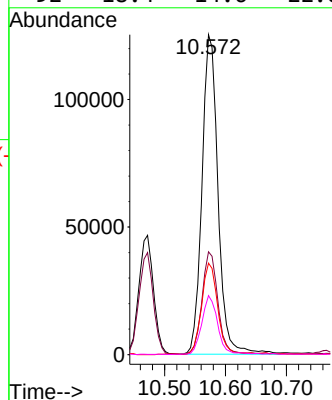
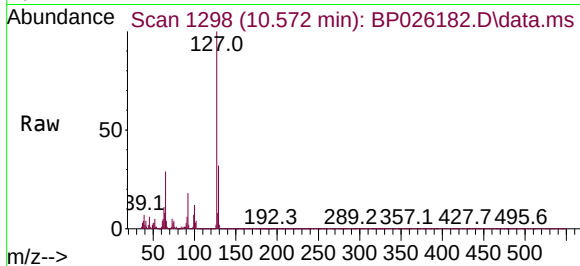
#33
4-Chloroaniline
Concen: 7.021 ng
RT: 10.572 min Scan# 1298
Delta R.T. -0.024 min
Lab File: BP026182.D
Acq: 21 Nov 2025 12:38

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

Tgt Ion:127 Resp: 229119
Ion Ratio Lower Upper
127 100
129 32.1 25.8 38.8
65 28.6 22.7 34.1
92 18.4 14.6 22.0

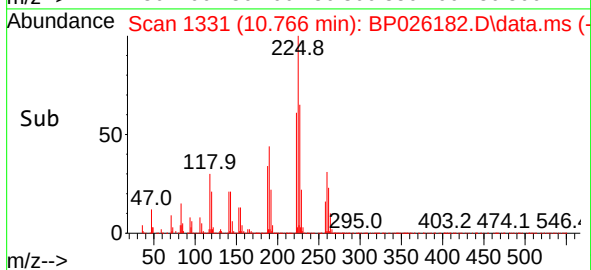
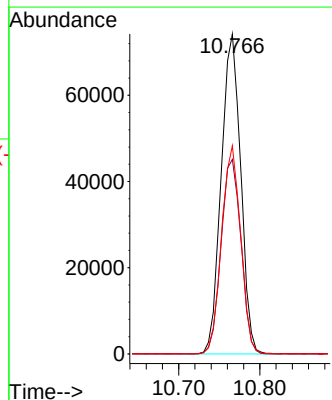
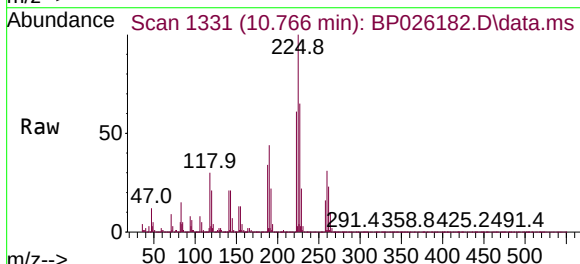
Manual Integrations
APPROVED

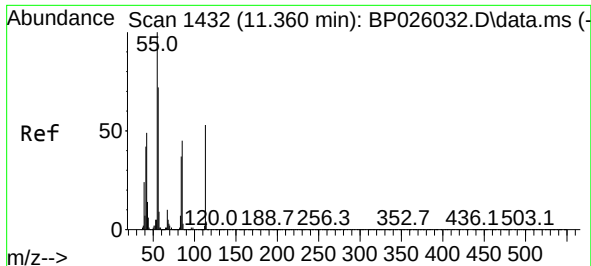
Reviewed By :Jagrut Upadhyay 11/24/2025
Supervised By :mohammad ahmed 11/26/2025



#34
Hexachlorobutadiene
Concen: 8.078 ng
RT: 10.766 min Scan# 1331
Delta R.T. -0.029 min
Lab File: BP026182.D
Acq: 21 Nov 2025 12:38

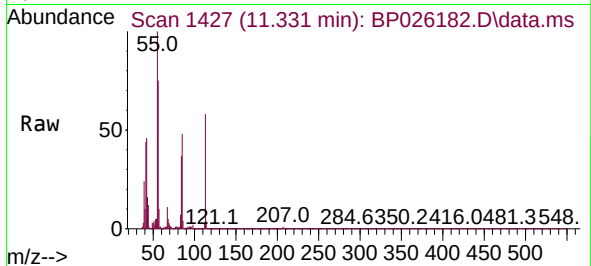
Tgt Ion:225 Resp: 123371
Ion Ratio Lower Upper
225 100
223 60.8 49.6 74.4
227 65.0 51.2 76.8





#35
Caprolactam
Concen: 5.316 ng
RT: 11.331 min Scan# 1432
Delta R.T. -0.047 min
Lab File: BP026182.D
Acq: 21 Nov 2025 12:38

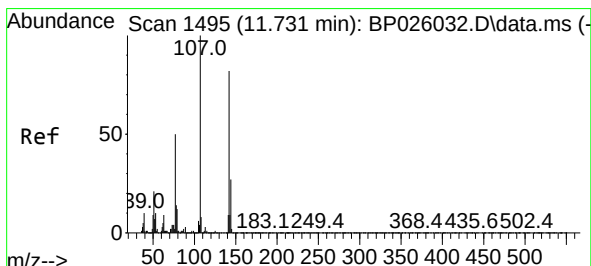
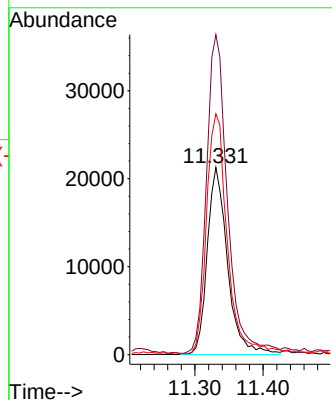
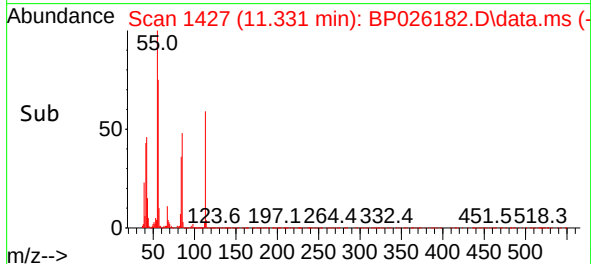
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT4-2025



Tgt Ion:113 Resp: 43897
Ion Ratio Lower Upper
113 100
55 171.1 153.0 193.0
56 128.7 106.4 146.4

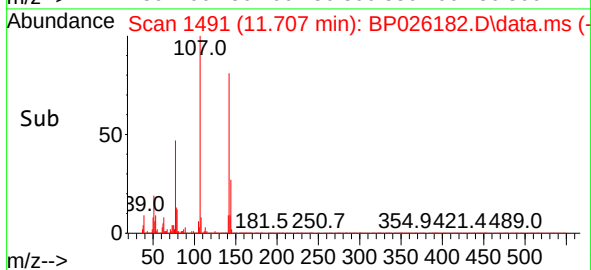
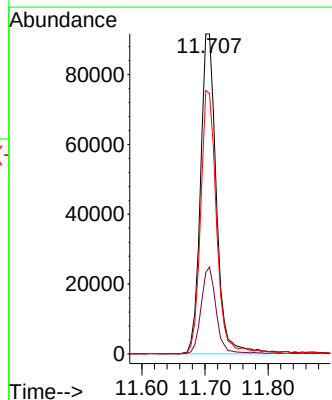
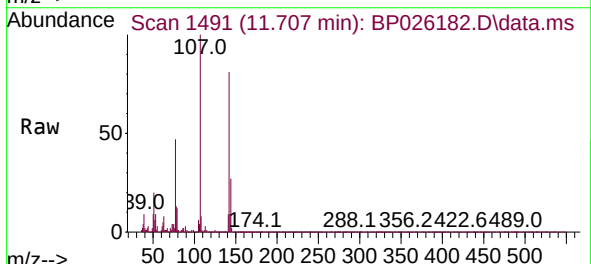
Manual Integrations
APPROVED

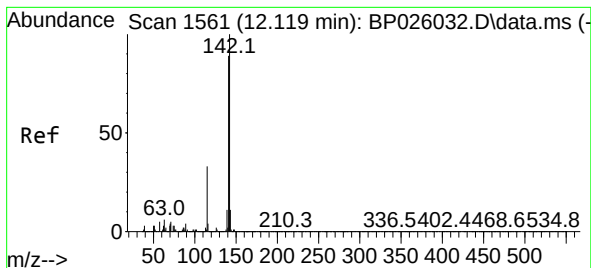
Reviewed By :Jagrut Upadhyay 11/24/2025
Supervised By :mohammad ahmed 11/26/2025



#36
4-Chloro-3-methylphenol
Concen: 6.543 ng
RT: 11.707 min Scan# 1491
Delta R.T. -0.024 min
Lab File: BP026182.D
Acq: 21 Nov 2025 12:38

Tgt Ion:107 Resp: 160376
Ion Ratio Lower Upper
107 100
144 27.2 21.6 32.4
142 81.5 65.6 98.4





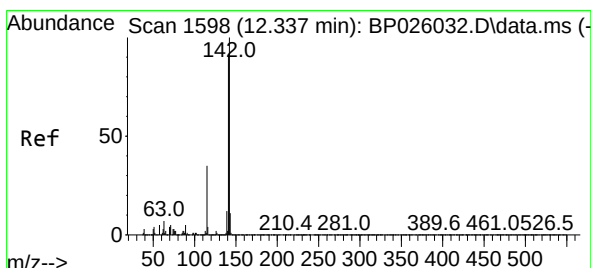
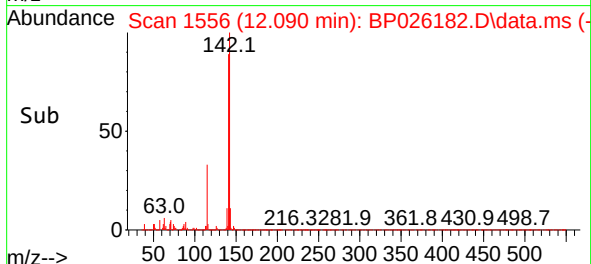
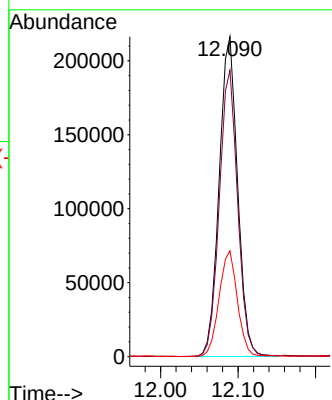
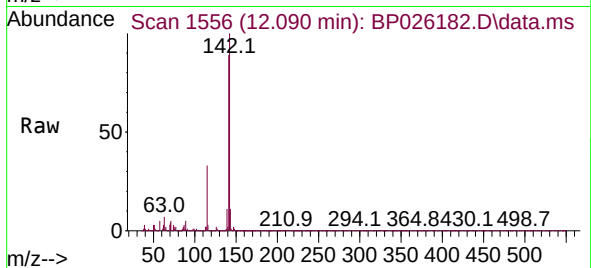
#37
2-Methylnaphthalene
Concen: 6.575 ng
RT: 12.090 min Scan# 1556
Delta R.T. -0.024 min
Lab File: BP026182.D
Acq: 21 Nov 2025 12:38

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

Tgt Ion:142 Resp: 357719
Ion Ratio Lower Upper
142 100
141 89.5 71.0 106.6
115 33.1 26.6 39.8

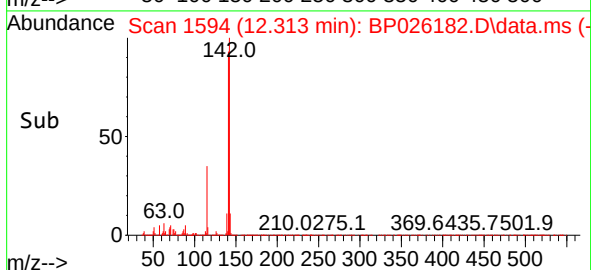
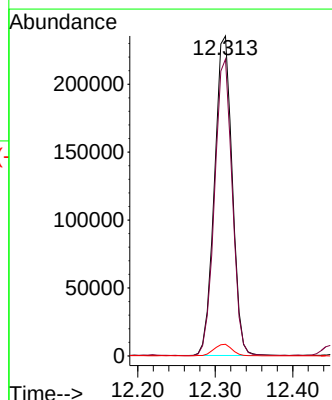
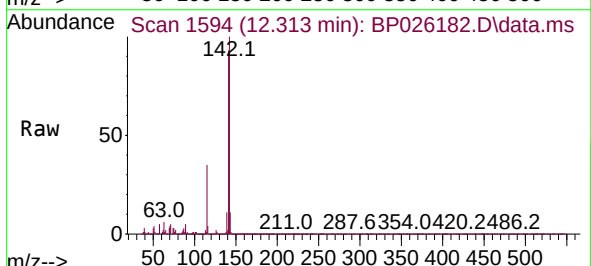
Manual Integrations
APPROVED

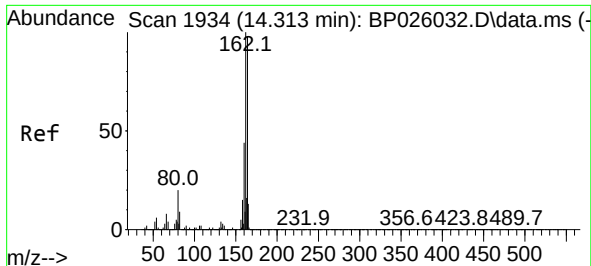
Reviewed By :Jagrut Upadhyay 11/24/2025
Supervised By :mohammad ahmed 11/26/2025



#38
1-Methylnaphthalene
Concen: 7.034 ng
RT: 12.313 min Scan# 1594
Delta R.T. -0.018 min
Lab File: BP026182.D
Acq: 21 Nov 2025 12:38

Tgt Ion:142 Resp: 374059
Ion Ratio Lower Upper
142 100
141 92.7 73.5 110.3
116 3.6 3.0 4.4





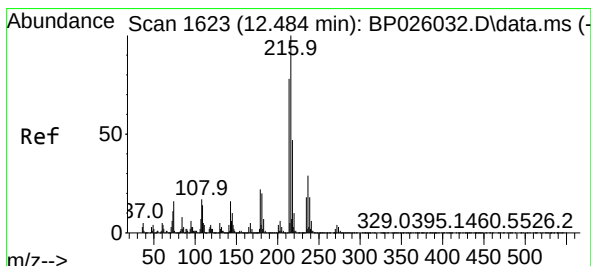
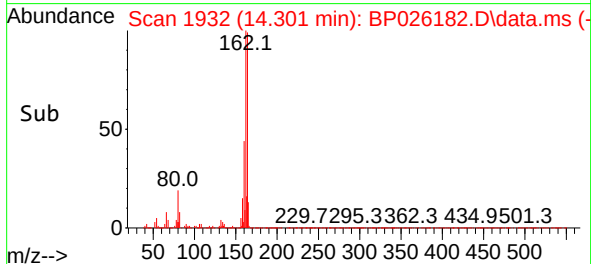
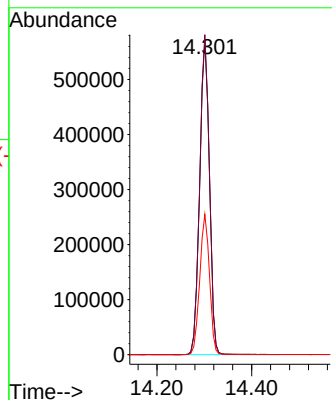
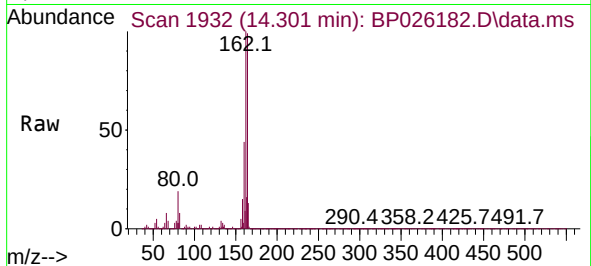
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.301 min Scan# 1934
Delta R.T. -0.024 min
Lab File: BP026182.D
Acq: 21 Nov 2025 12:38

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

Tgt Ion:164 Resp: 820331
Ion Ratio Lower Upper
164 100
162 101.4 80.3 120.5
160 44.5 35.2 52.8

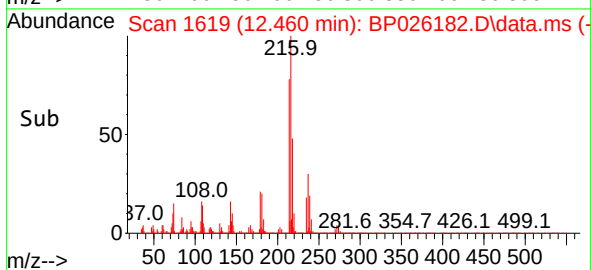
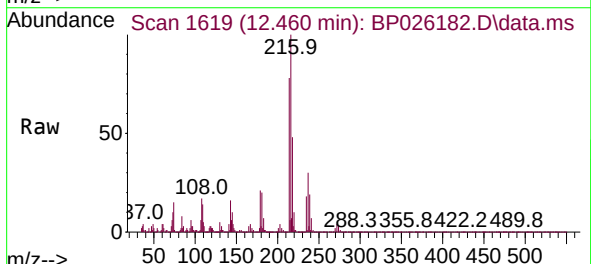
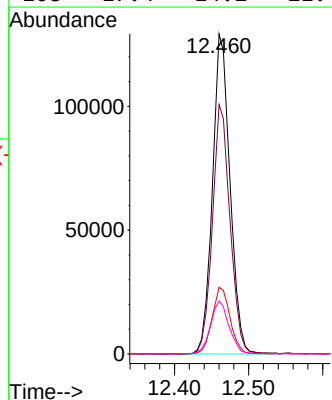
Manual Integrations
APPROVED

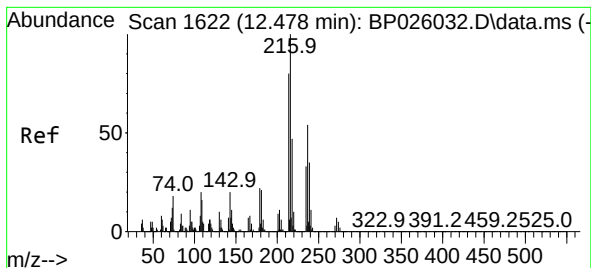
Reviewed By :Jagrut Upadhyay 11/24/2025
Supervised By :mohammad ahmed 11/26/2025



#40
1,2,4,5-Tetrachlorobenzene
Concen: 8.573 ng
RT: 12.460 min Scan# 1619
Delta R.T. -0.029 min
Lab File: BP026182.D
Acq: 21 Nov 2025 12:38

Tgt Ion:216 Resp: 212656
Ion Ratio Lower Upper
216 100
214 78.3 62.6 94.0
179 21.3 16.6 25.0
108 17.4 14.2 21.4





#41

Hexachlorocyclopentadiene

Concen: 5.895 ng

RT: 12.454 min Scan# 1618

Delta R.T. -0.018 min

Lab File: BP026182.D

Acq: 21 Nov 2025 12:38

Instrument :

BNA_P

ClientSampleId :

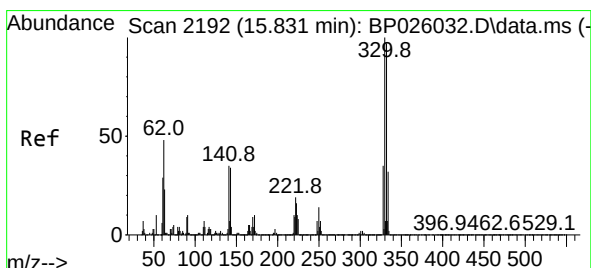
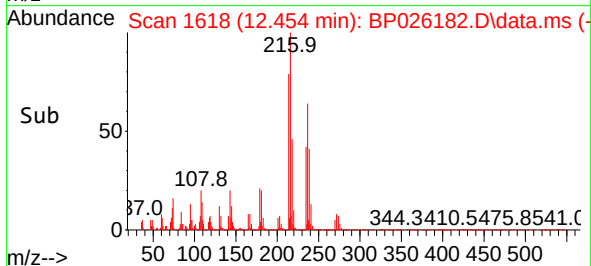
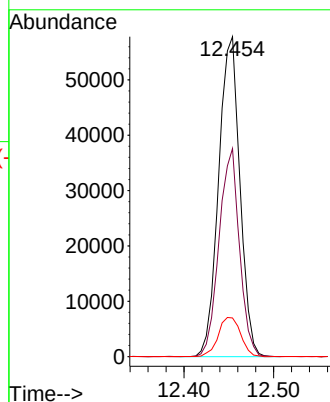
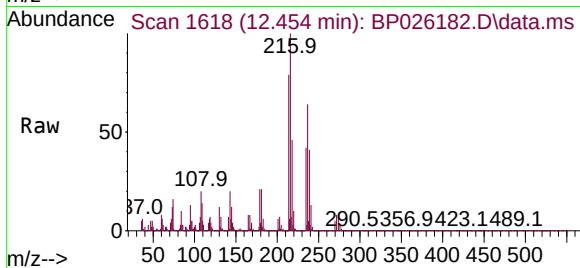
MDL-SOIL-03-QT4-2025

Tgt Ion: 237	Resp: 95693
Ion Ratio	Lower Upper
237 100	
235 65.0	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: 113.261 ng

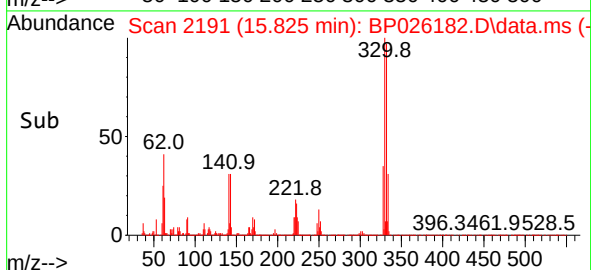
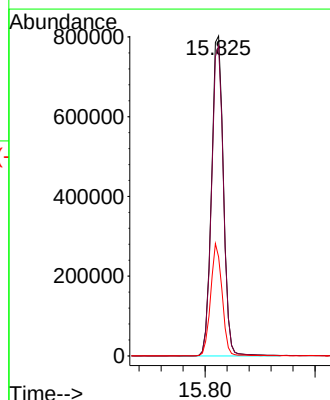
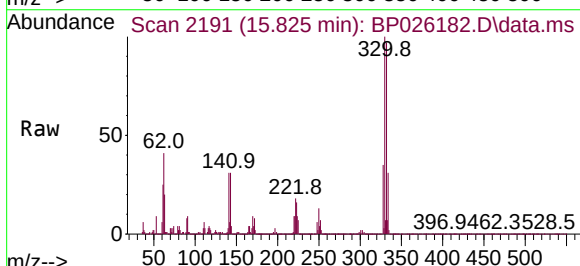
RT: 15.825 min Scan# 2191

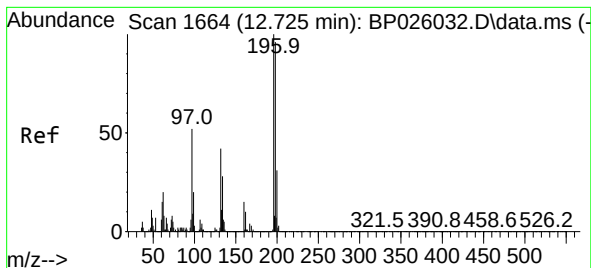
Delta R.T. -0.012 min

Lab File: BP026182.D

Acq: 21 Nov 2025 12:38

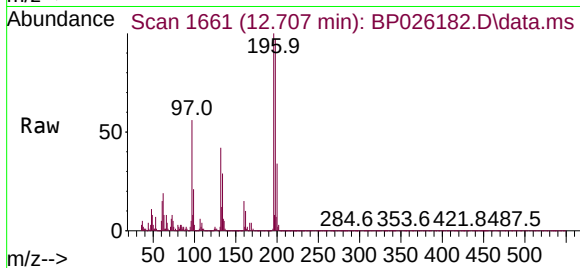
Tgt Ion: 330	Resp: 1205286
Ion Ratio	Lower Upper
330 100	
332 97.0	78.0 117.0
141 33.8	26.8 40.2





#43
2,4,6-Trichlorophenol
Concen: 7.213 ng
RT: 12.707 min Scan# 1664
Delta R.T. -0.018 min
Lab File: BP026182.D
Acq: 21 Nov 2025 12:38

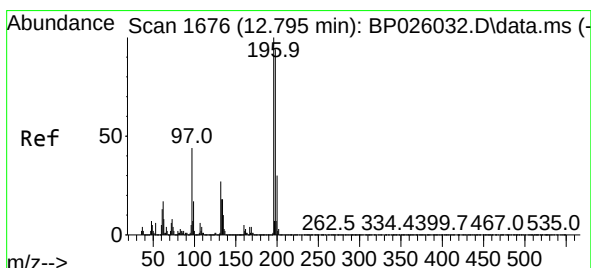
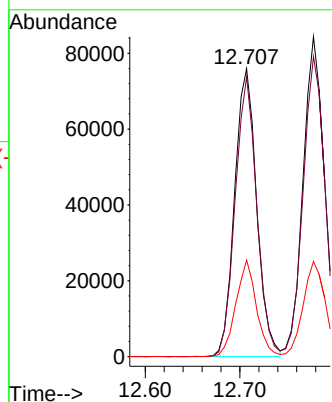
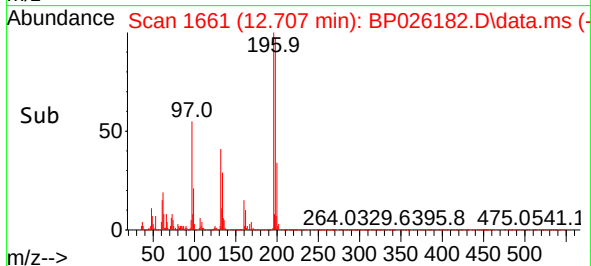
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT4-2025



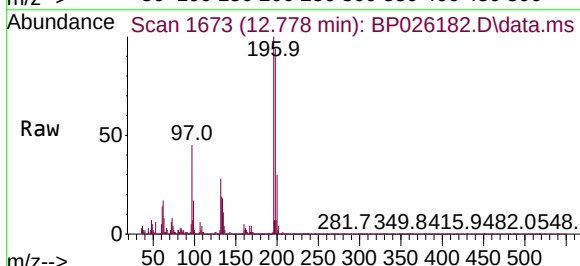
Tgt Ion:196 Resp: 122659
Ion Ratio Lower Upper
196 100
198 97.1 76.9 115.3
200 33.5 24.6 37.0

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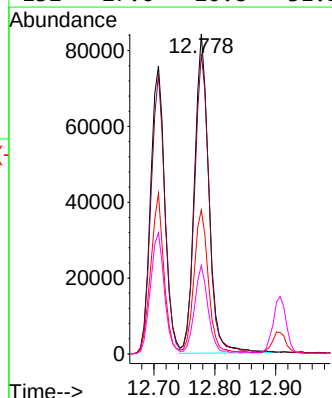
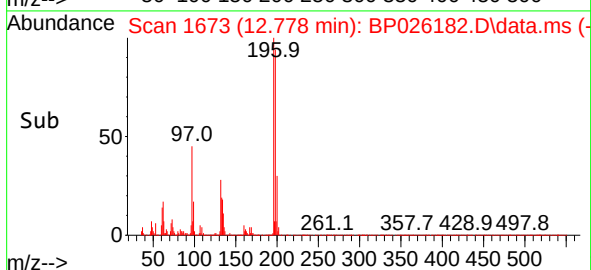
Reviewed By :Jagrut Upadhyay 11/24/2025
Supervised By :mohammad ahmed 11/26/2025

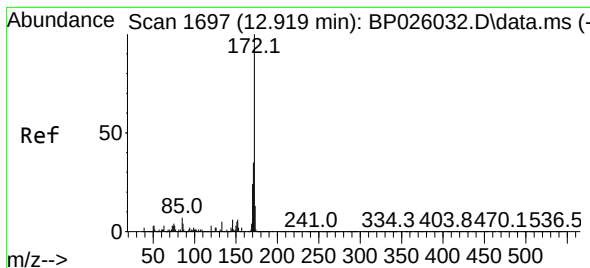


#44
2,4,5-Trichlorophenol
Concen: 7.270 ng
RT: 12.778 min Scan# 1673
Delta R.T. -0.024 min
Lab File: BP026182.D
Acq: 21 Nov 2025 12:38



Tgt Ion:196 Resp: 137999
Ion Ratio Lower Upper
196 100
198 93.8 76.4 114.6
97 45.0 35.7 53.5
132 27.6 20.8 31.2





#45

2-Fluorobiphenyl

Concen: 89.535 ng

RT: 12.907 min Scan# 1695

Delta R.T. -0.024 min

Lab File: BP026182.D

Acq: 21 Nov 2025 12:38

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT4-2025

Tgt Ion:172 Resp: 5011526

Ion Ratio Lower Upper

172 100

171 35.4 28.2 42.4

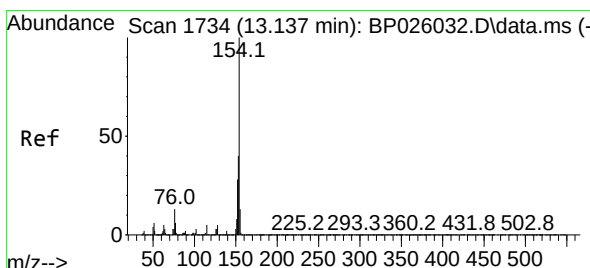
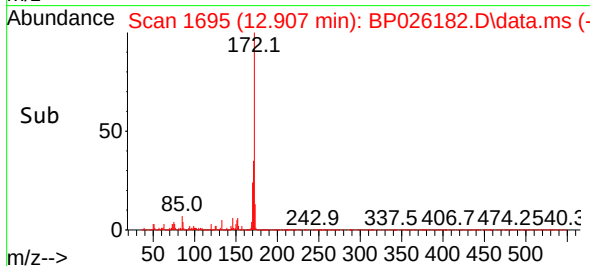
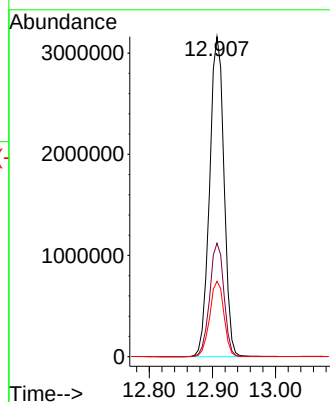
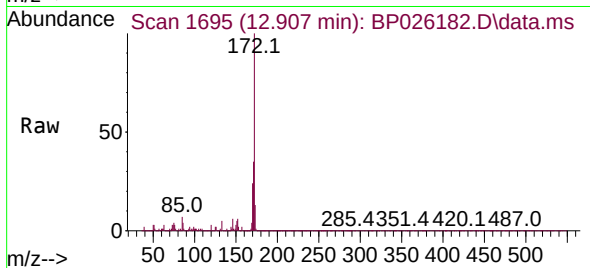
170 23.6 18.7 28.1

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 11/24/2025

Supervised By :mohammad ahmed 11/26/2025



#46

1,1'-Biphenyl

Concen: 8.246 ng

RT: 13.119 min Scan# 1731

Delta R.T. -0.018 min

Lab File: BP026182.D

Acq: 21 Nov 2025 12:38

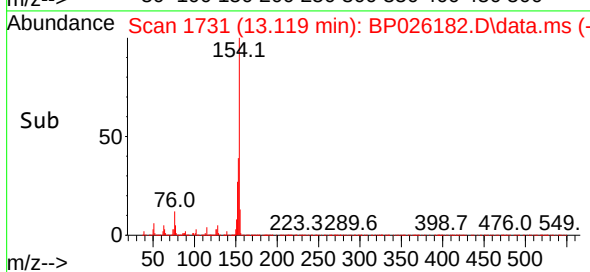
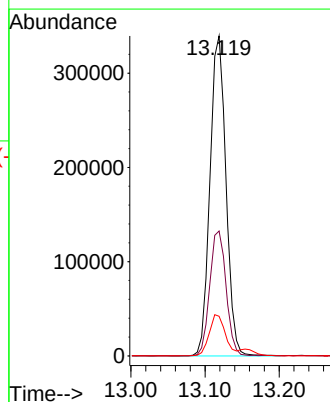
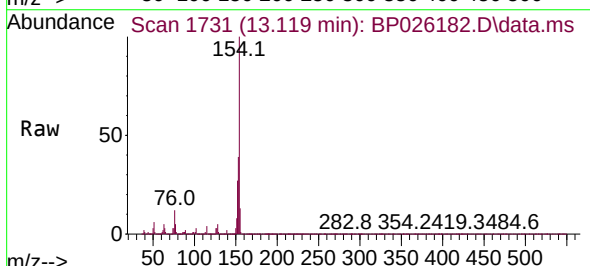
Tgt Ion:154 Resp: 509384

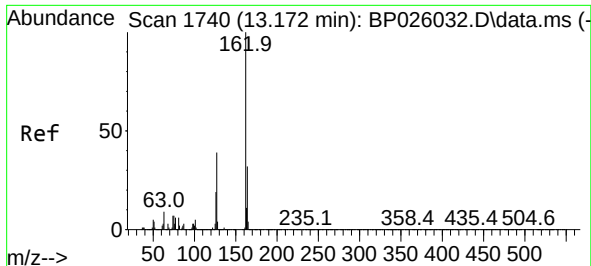
Ion Ratio Lower Upper

154 100

153 39.0 20.3 60.3

76 12.4 0.0 32.3





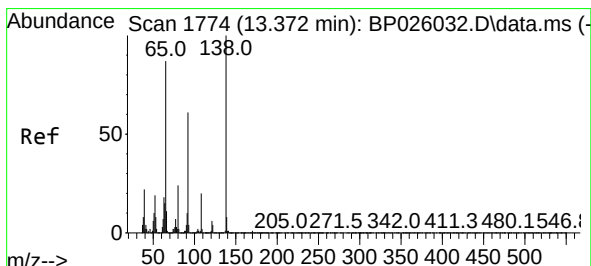
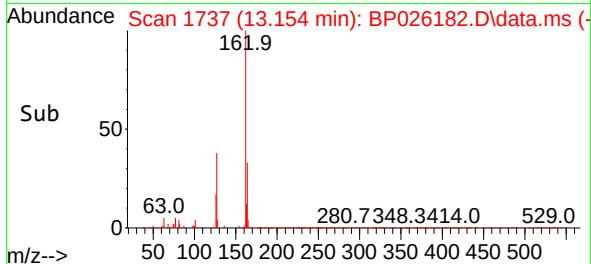
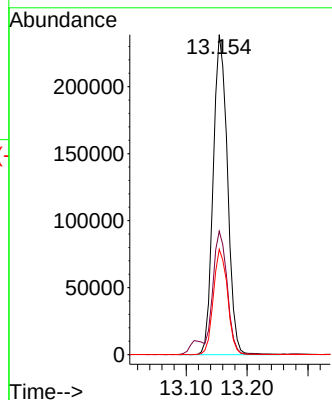
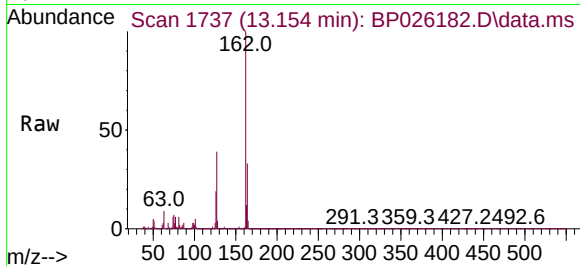
#47
2-Chloronaphthalene
Concen: 8.023 ng
RT: 13.154 min Scan# 1737
Delta R.T. -0.029 min
Lab File: BP026182.D
Acq: 21 Nov 2025 12:38

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

Tgt Ion:162 Resp: 38971
Ion Ratio Lower Upper
162 100
127 38.6 30.9 46.3
164 32.9 26.4 39.6

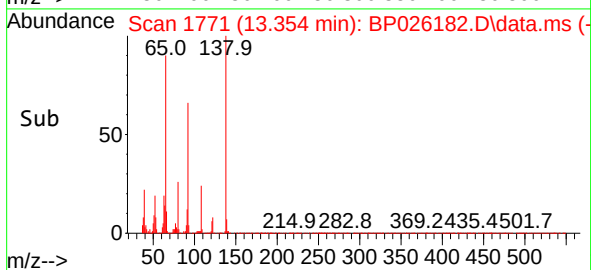
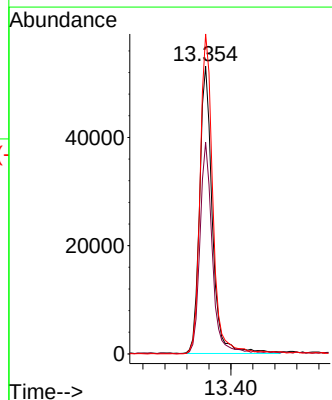
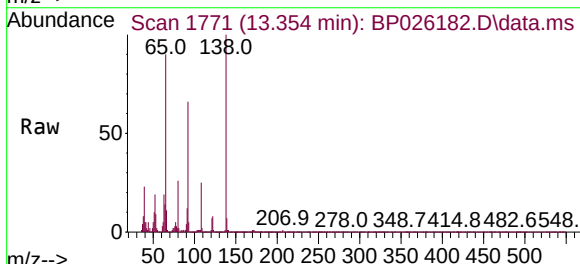
Manual Integrations
APPROVED

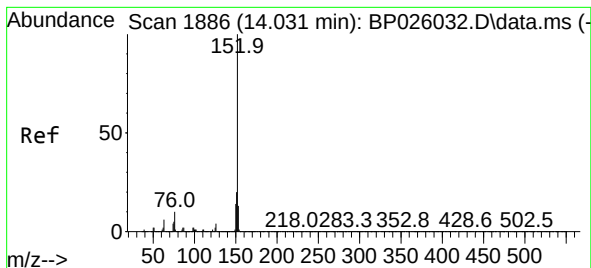
Reviewed By :Jagrut Upadhyay 11/24/2025
Supervised By :mohammad ahmed 11/26/2025



#48
2-Nitroaniline
Concen: 6.307 ng
RT: 13.354 min Scan# 1771
Delta R.T. -0.024 min
Lab File: BP026182.D
Acq: 21 Nov 2025 12:38

Tgt Ion: 65 Resp: 85194
Ion Ratio Lower Upper
65 100
92 73.6 59.1 88.7
138 111.2 96.6 145.0





#49

Acenaphthylene

Concen: 7.461 ng

RT: 14.013 min Scan# 1883

Delta R.T. -0.024 min

Lab File: BP026182.D

Acq: 21 Nov 2025 12:38

Instrument :

BNA_P

ClientSampleId :

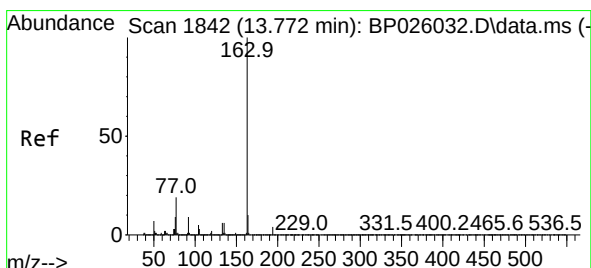
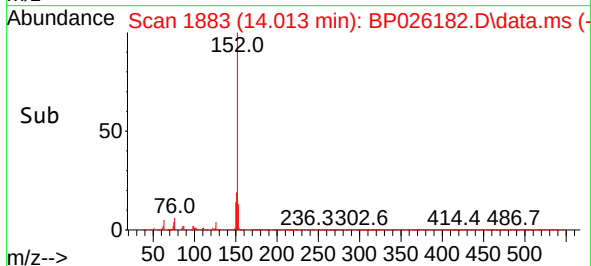
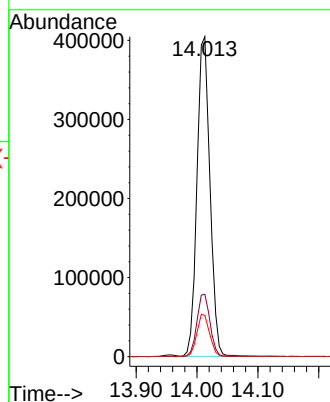
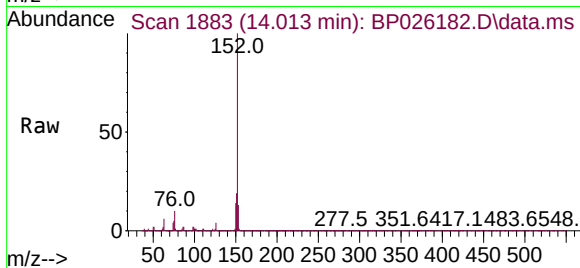
MDL-SOIL-03-QT4-2025

Tgt Ion:152 Resp: 597802
 Ion Ratio Lower Upper
 152 100
 151 19.5 15.8 23.8
 153 12.9 10.6 16.0

Manual Integrations

APPROVED

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



#50

Dimethylphthalate

Concen: 7.413 ng

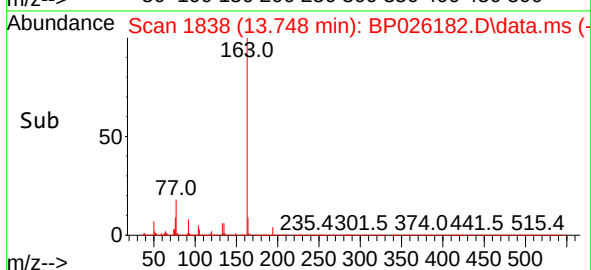
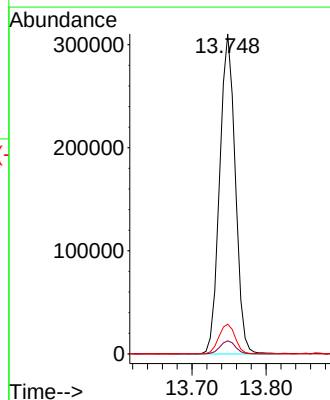
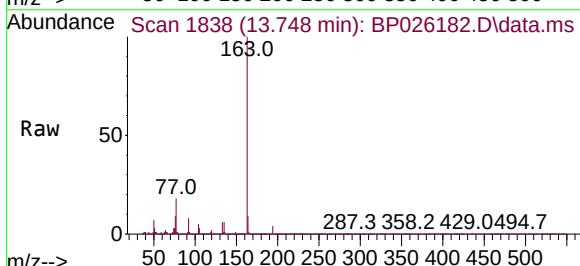
RT: 13.748 min Scan# 1838

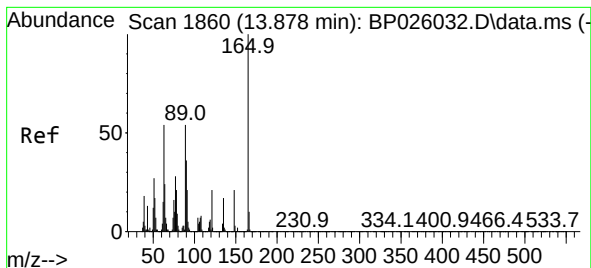
Delta R.T. -0.024 min

Lab File: BP026182.D

Acq: 21 Nov 2025 12:38

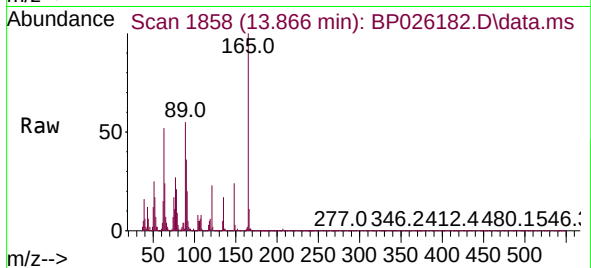
Tgt Ion:163 Resp: 454224
 Ion Ratio Lower Upper
 163 100
 194 4.1 3.3 4.9
 164 9.3 8.2 12.2





#51
2,6-Dinitrotoluene
Concen: 7.239 ng
RT: 13.866 min Scan# 1860
Delta R.T. -0.018 min
Lab File: BP026182.D
Acq: 21 Nov 2025 12:38

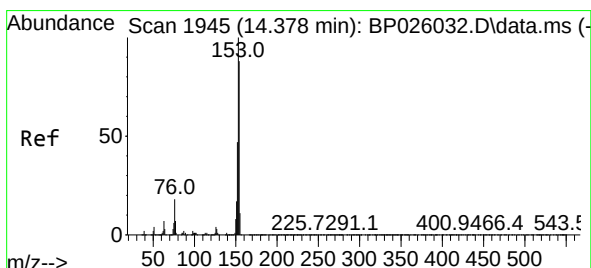
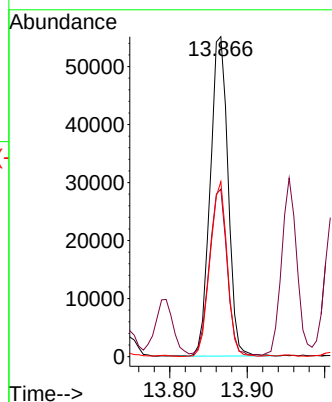
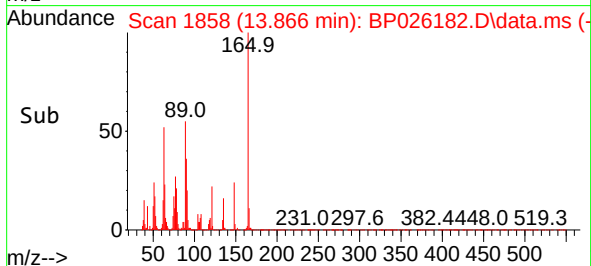
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT4-2025



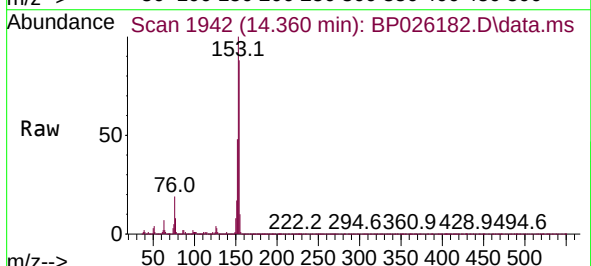
Tgt Ion:165 Resp: 87886
Ion Ratio Lower Upper
165 100
63 52.3 40.5 60.7
89 54.7 41.3 61.9

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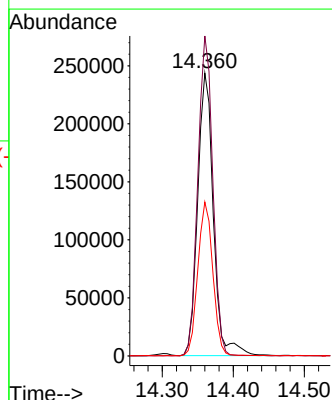
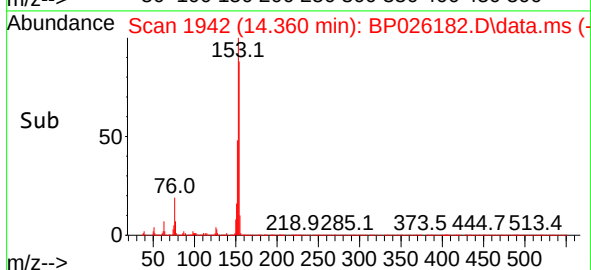
Reviewed By :Jagrut Upadhyay 11/24/2025
Supervised By :mohammad ahmed 11/26/2025

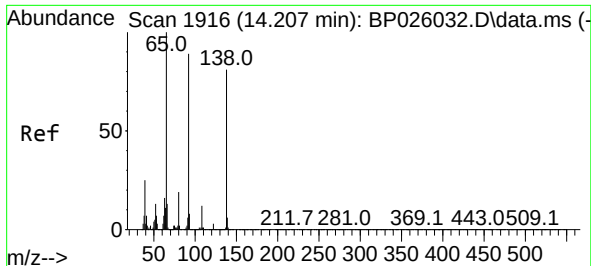


#52
Acenaphthene
Concen: 7.940 ng
RT: 14.360 min Scan# 1942
Delta R.T. -0.024 min
Lab File: BP026182.D
Acq: 21 Nov 2025 12:38



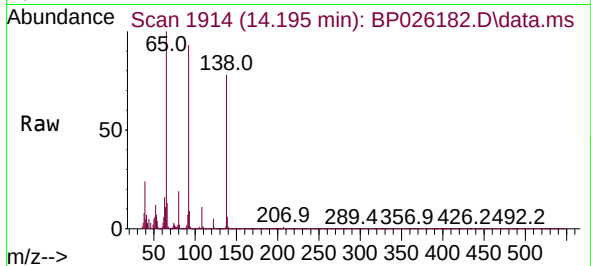
Tgt Ion:154 Resp: 372816
Ion Ratio Lower Upper
154 100
153 113.2 90.7 136.1
152 54.4 42.8 64.2





#53
3-Nitroaniline
Concen: 6.198 ng
RT: 14.195 min Scan# 1916
Delta R.T. -0.024 min
Lab File: BP026182.D
Acq: 21 Nov 2025 12:38

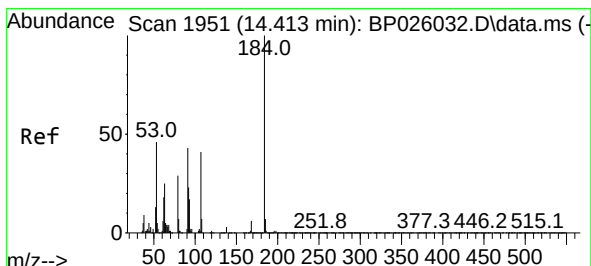
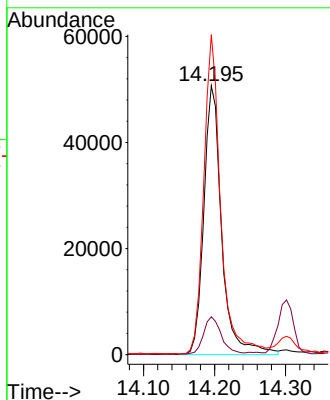
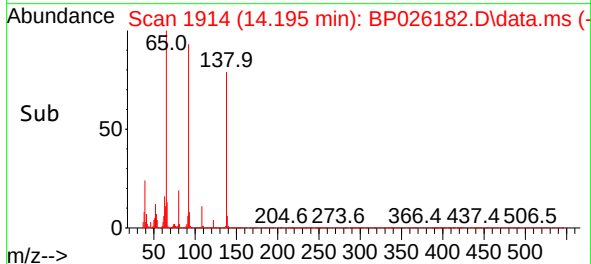
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT4-2025



Tgt Ion:138 Resp: 88591
Ion Ratio Lower Upper
138 100
108 14.1 8.9 13.3
92 119.0 86.3 129.5

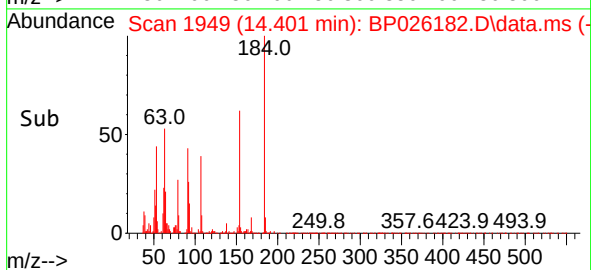
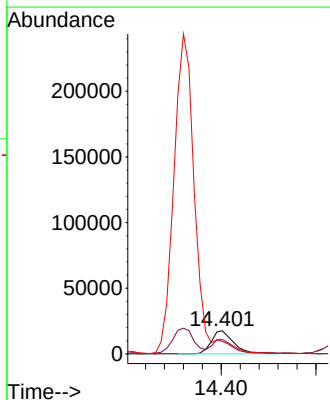
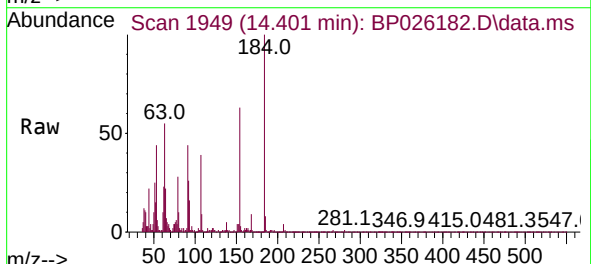
Manual Integrations
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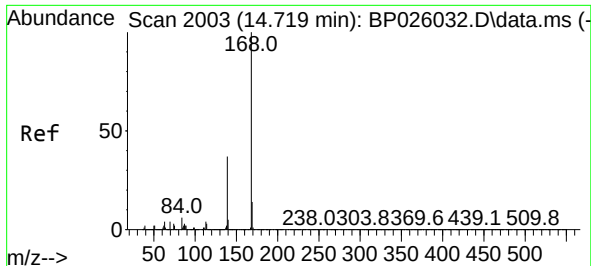
Reviewed By :Jagrut Upadhyay 11/24/2025
Supervised By :mohammad ahmed 11/26/2025



#54
2,4-Dinitrophenol
Concen: 3.967 ng
RT: 14.401 min Scan# 1949
Delta R.T. -0.029 min
Lab File: BP026182.D
Acq: 21 Nov 2025 12:38

Tgt Ion:184 Resp: 29069
Ion Ratio Lower Upper
184 100
63 54.7 43.1 64.7
154 62.6 49.5 74.3





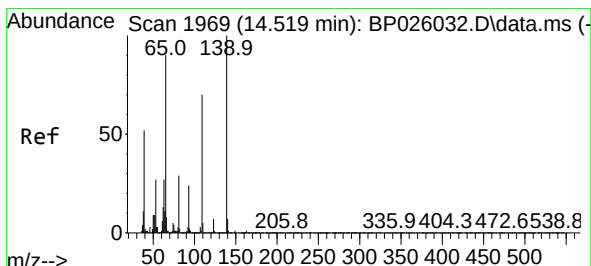
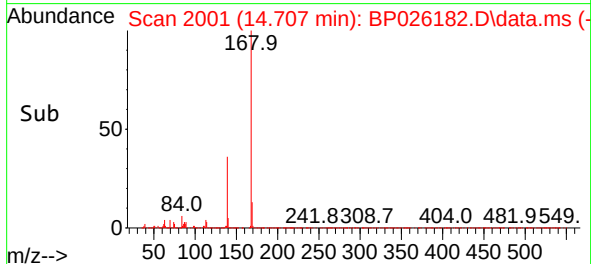
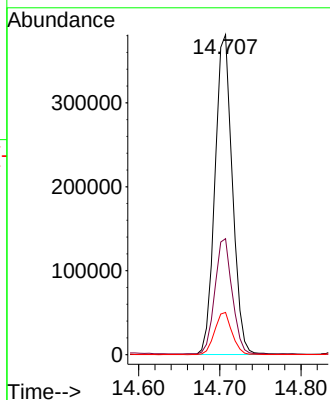
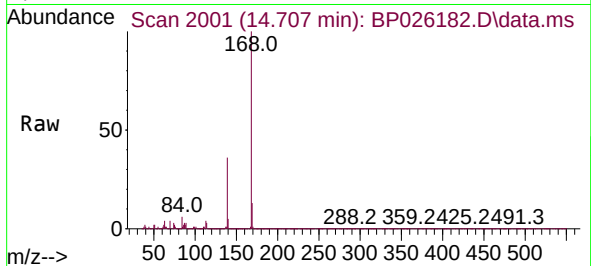
#55
Dibenzofuran
Concen: 7.803 ng
RT: 14.707 min Scan# 2001
Delta R.T. -0.018 min
Lab File: BP026182.D
Acq: 21 Nov 2025 12:38

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

Tgt Ion:168 Resp: 567440
Ion Ratio Lower Upper
168 100
139 36.3 29.8 44.6
169 13.2 10.9 16.3

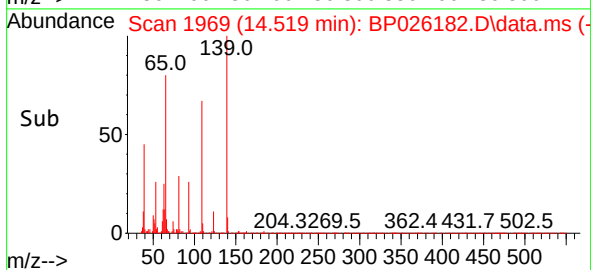
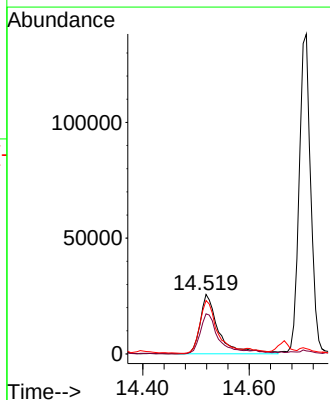
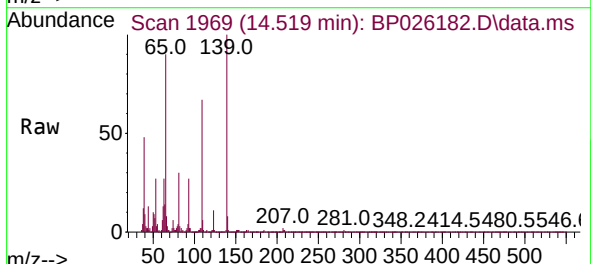
Manual Integrations
APPROVED

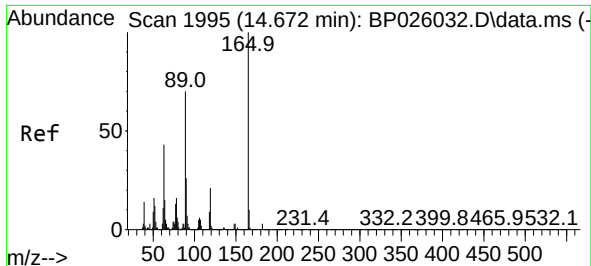
Reviewed By :Jagrut Upadhyay 11/24/2025
Supervised By :mohammad ahmed 11/26/2025



#56
4-Nitrophenol
Concen: 4.808 ng
RT: 14.519 min Scan# 1969
Delta R.T. -0.024 min
Lab File: BP026182.D
Acq: 21 Nov 2025 12:38

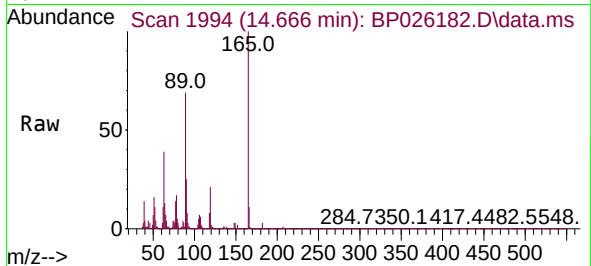
Tgt Ion:139 Resp: 62179
Ion Ratio Lower Upper
139 100
109 67.4 46.8 86.8
65 89.6 69.3 109.3





#57
2,4-Dinitrotoluene
Concen: 6.027 ng
RT: 14.666 min Scan# 1994
Delta R.T. -0.024 min
Lab File: BP026182.D
Acq: 21 Nov 2025 12:38

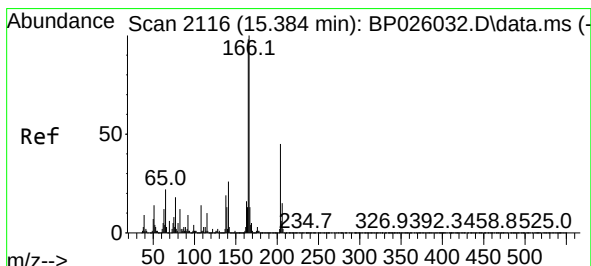
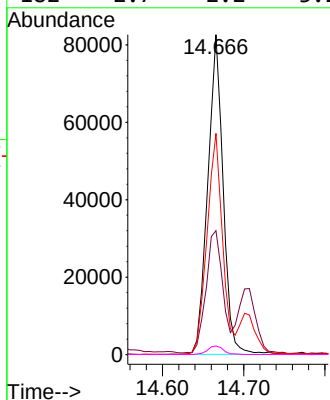
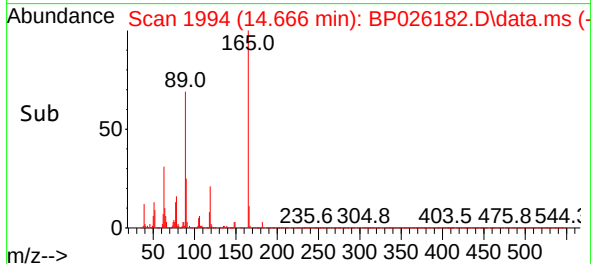
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT4-2025



Tgt Ion:165 Resp: 109258
Ion Ratio Lower Upper
165 100
63 38.7 31.0 46.6
89 69.1 51.7 77.5
182 2.7 2.2 3.2

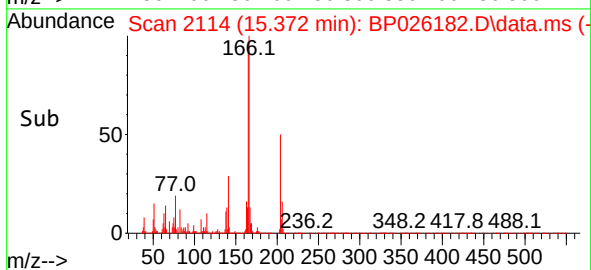
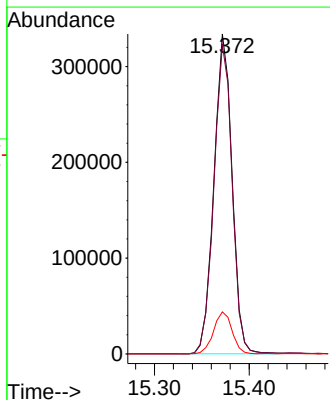
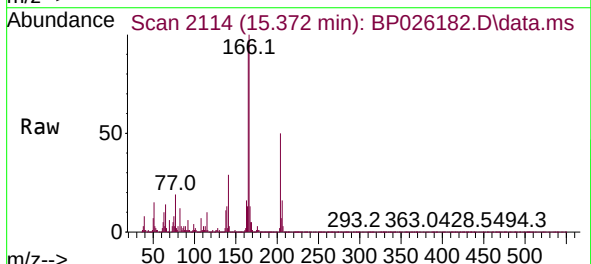
Manual Integrations
APPROVED

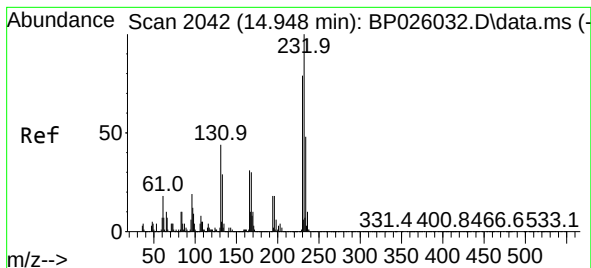
Reviewed By :Jagrut Upadhyay 11/24/2025
Supervised By :mohammad ahmed 11/26/2025



#58
Fluorene
Concen: 7.745 ng
RT: 15.372 min Scan# 2114
Delta R.T. -0.018 min
Lab File: BP026182.D
Acq: 21 Nov 2025 12:38

Tgt Ion:166 Resp: 445169
Ion Ratio Lower Upper
166 100
165 96.6 77.9 116.9
167 13.1 11.0 16.4





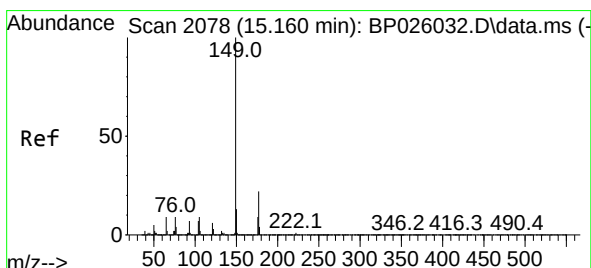
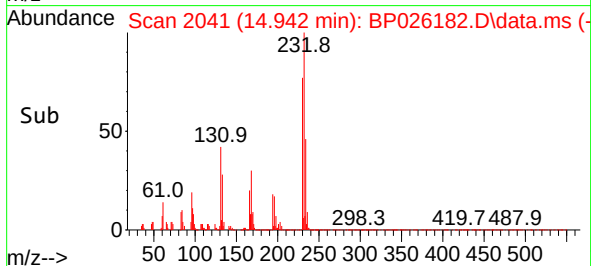
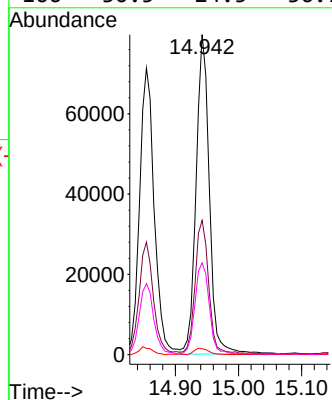
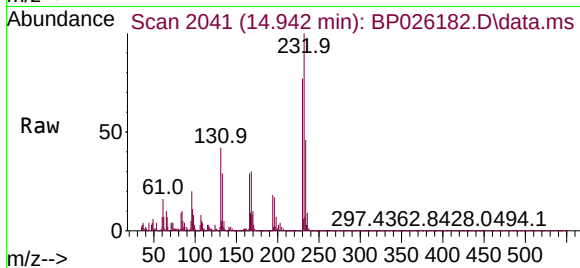
#59
2,3,4,6-Tetrachlorophenol
Concen: 7.225 ng
RT: 14.942 min Scan# 2042
Delta R.T. -0.018 min
Lab File: BP026182.D
Acq: 21 Nov 2025 12:38

Instrument : BNA_P
Client Sample Id : MDL-SOIL-03-QT4-2025

Tgt Ion: 232 Resp: 116349
Ion Ratio Lower Upper
232 100
131 42.5 34.8 52.2
130 2.2 1.8 2.8
166 30.5 24.5 36.7

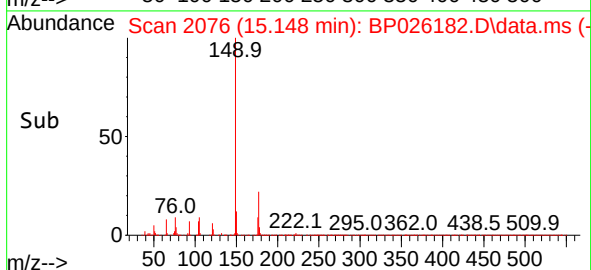
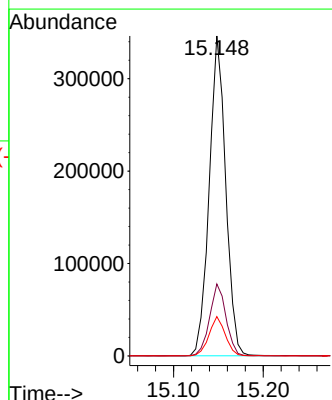
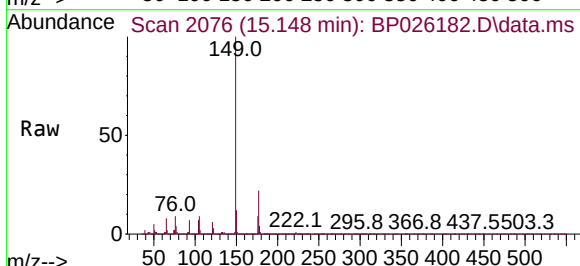
Manual Integrations
APPROVED

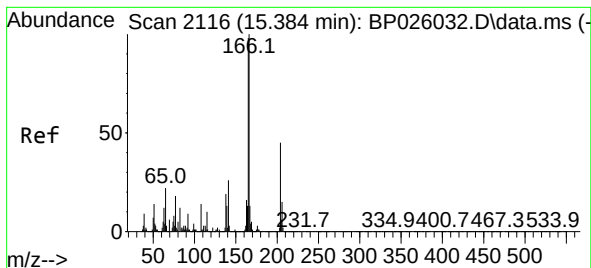
Reviewed By : Jagrut Upadhyay 11/24/2025
Supervised By : mohammad ahmed 11/26/2025



#60
Diethylphthalate
Concen: 7.153 ng
RT: 15.148 min Scan# 2076
Delta R.T. -0.024 min
Lab File: BP026182.D
Acq: 21 Nov 2025 12:38

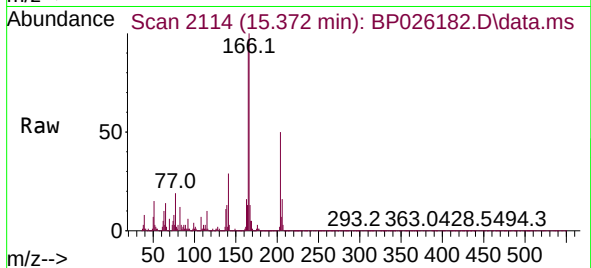
Tgt Ion: 149 Resp: 441477
Ion Ratio Lower Upper
149 100
177 22.5 17.9 26.9
150 12.3 9.9 14.9





#61
4-Chlorophenyl-phenylether
Concen: 7.731 ng
RT: 15.372 min Scan# 2112
Delta R.T. -0.018 min
Lab File: BP026182.D
Acq: 21 Nov 2025 12:38

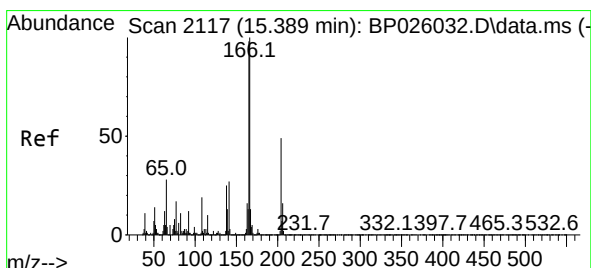
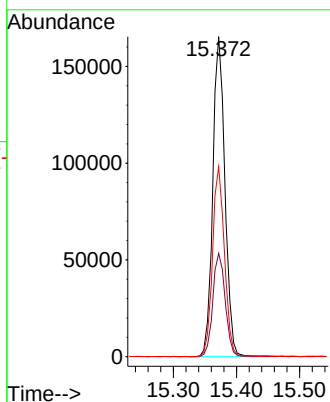
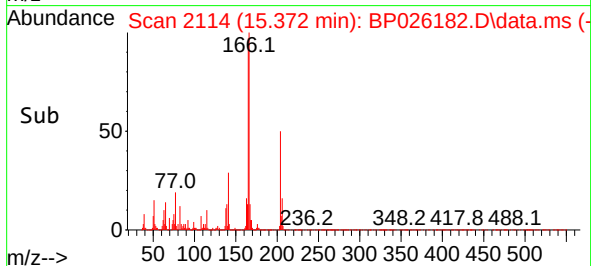
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT4-2025



Tgt Ion: 204 Resp: 221125
Ion Ratio Lower Upper
204 100
206 32.3 26.2 39.2
141 59.3 48.1 72.1

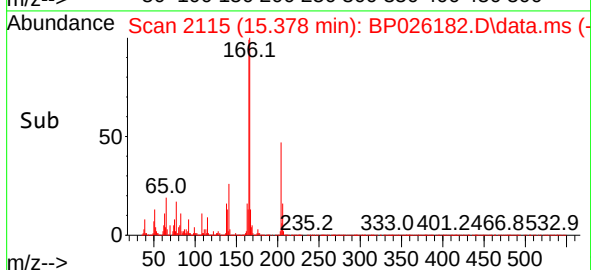
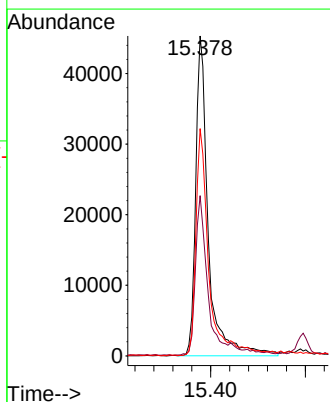
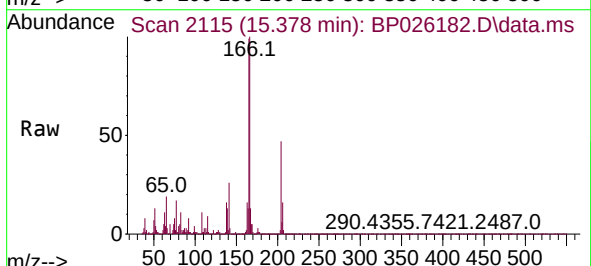
Manual Integrations
APPROVED

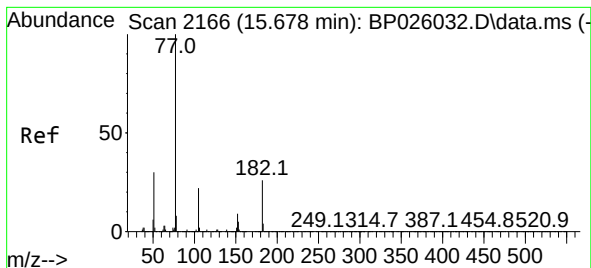
Reviewed By : Jagrut Upadhyay 11/24/2025
Supervised By : mohammad ahmed 11/26/2025



#62
4-Nitroaniline
Concen: 5.645 ng
RT: 15.378 min Scan# 2115
Delta R.T. -0.024 min
Lab File: BP026182.D
Acq: 21 Nov 2025 12:38

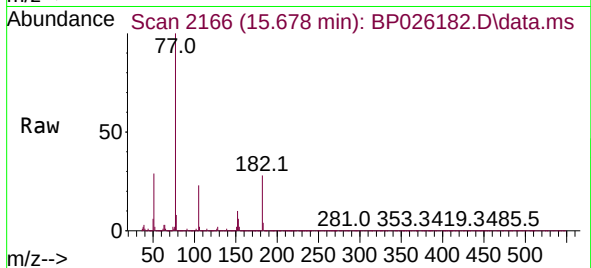
Tgt Ion: 138 Resp: 83794
Ion Ratio Lower Upper
138 100
92 50.1 27.5 67.5
108 71.0 51.1 91.1





#63
Azobenzene
Concen: 7.431 ng
RT: 15.678 min Scan# 2166
Delta R.T. -0.012 min
Lab File: BP026182.D
Acq: 21 Nov 2025 12:38

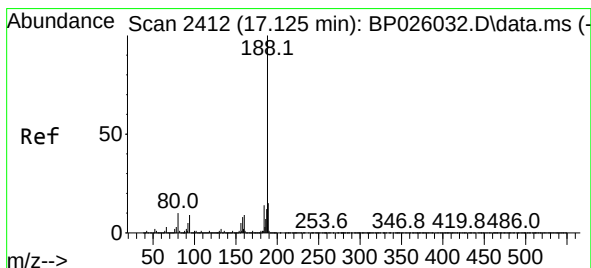
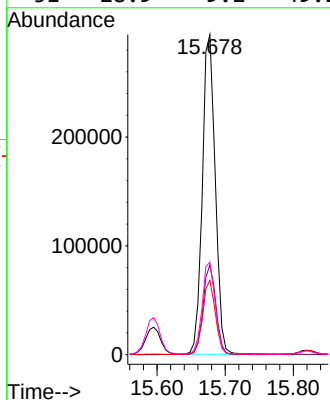
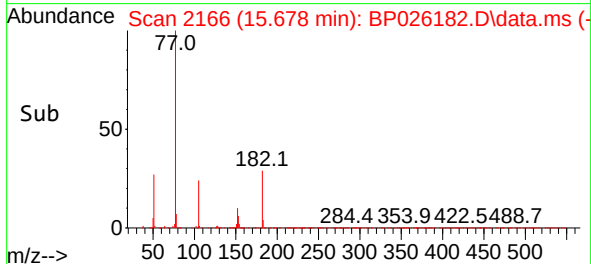
Instrument : BNA_P
ClientSampleId : MDL-SOIL-03-QT4-2025



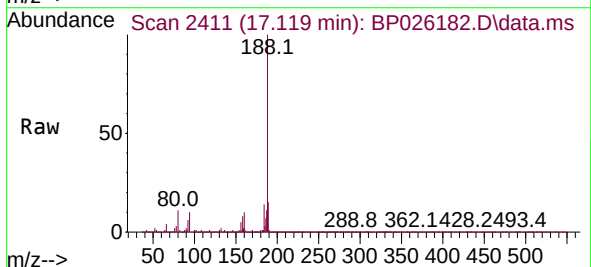
Tgt Ion: 77 Resp: 386712
Ion Ratio Lower Upper
77 100
182 27.9 8.8 48.8
105 23.2 2.6 42.6
51 28.9 9.2 49.2

Manual Integrations
APPROVED

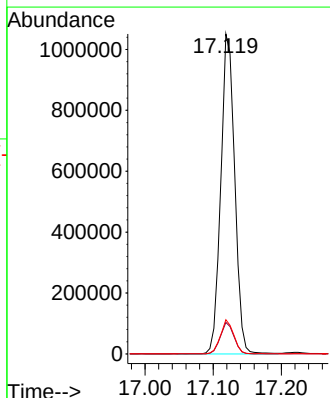
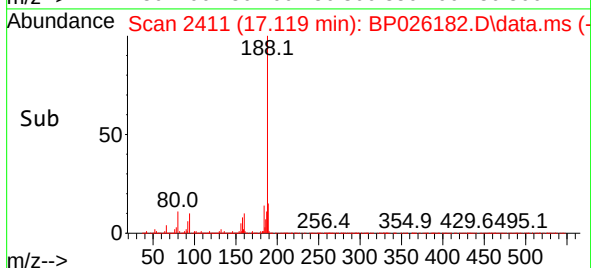
Reviewed By :Jagrut Upadhyay 11/24/2025
Supervised By :mohammad ahmed 11/26/2025

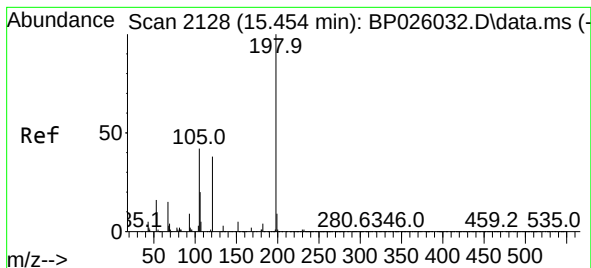


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.119 min Scan# 2411
Delta R.T. -0.012 min
Lab File: BP026182.D
Acq: 21 Nov 2025 12:38



Tgt Ion:188 Resp: 1481967
Ion Ratio Lower Upper
188 100
94 9.8 7.8 11.6
80 10.7 8.2 12.2





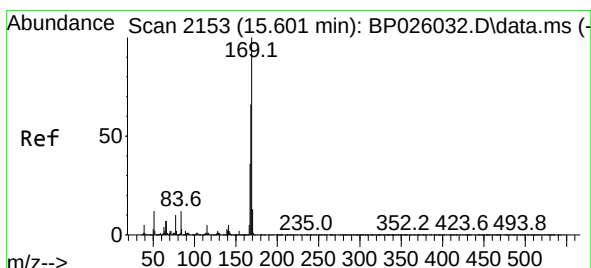
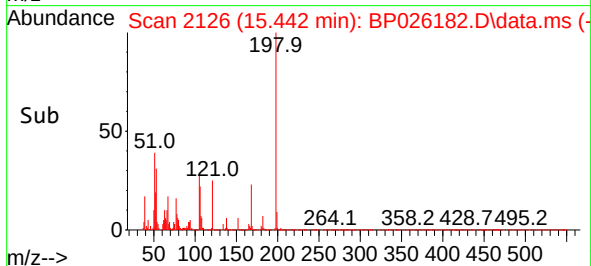
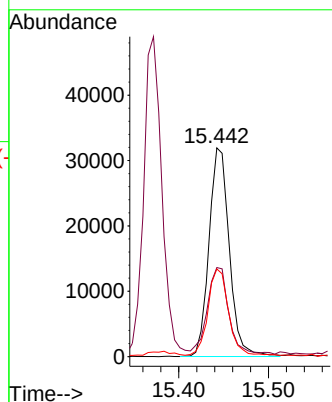
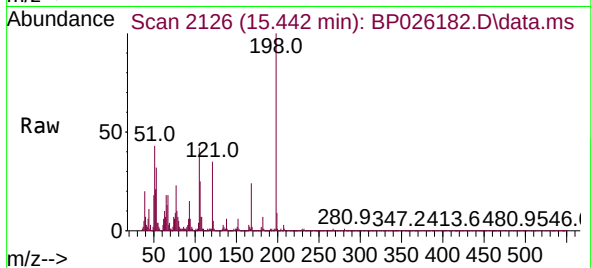
#65
4,6-Dinitro-2-methylphenol
Concen: 5.366 ng
RT: 15.442 min Scan# 2126
Delta R.T. -0.023 min
Lab File: BP026182.D
Acq: 21 Nov 2025 12:38

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

Tgt Ion:198 Resp: 50521
Ion Ratio Lower Upper
198 100
51 42.7 18.4 58.4
105 42.0 18.5 58.5

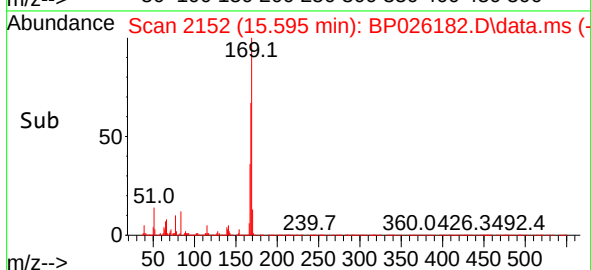
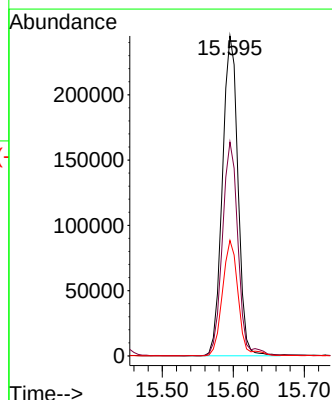
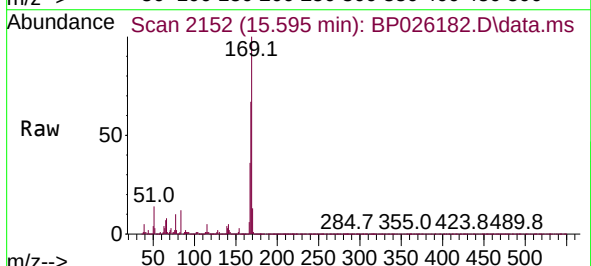
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APPROVED

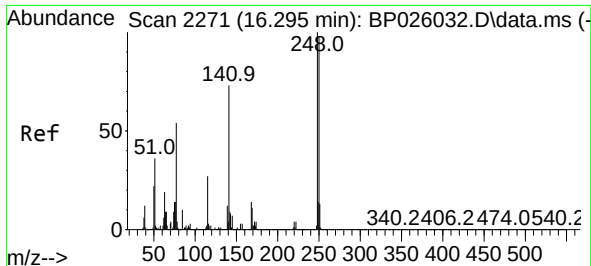
Reviewed By :Jagrut Upadhyay 11/24/2025
Supervised By :mohammad ahmed 11/26/2025



#66
n-Nitrosodiphenylamine
Concen: 8.163 ng
RT: 15.595 min Scan# 2152
Delta R.T. -0.012 min
Lab File: BP026182.D
Acq: 21 Nov 2025 12:38

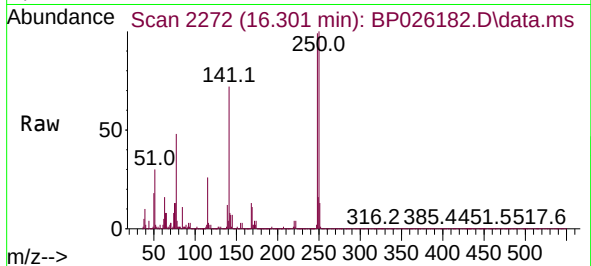
Tgt Ion:169 Resp: 374210
Ion Ratio Lower Upper
169 100
168 66.8 53.1 79.7
167 36.1 28.9 43.3





#67
4-Bromophenyl-phenylether
Concen: 7.900 ng
RT: 16.301 min Scan# 2272
Delta R.T. -0.006 min
Lab File: BP026182.D
Acq: 21 Nov 2025 12:38

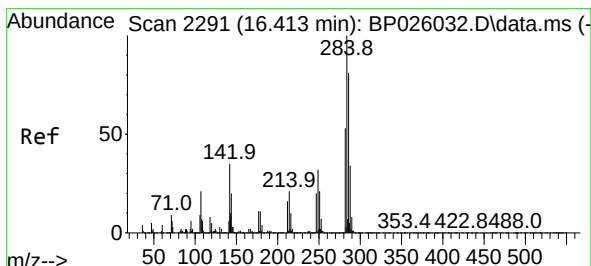
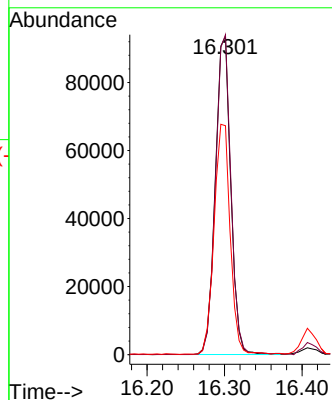
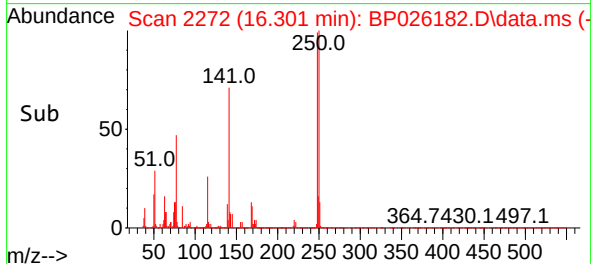
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT4-2025



Tgt Ion:248 Resp: 129663
Ion Ratio Lower Upper
248 100
250 100.5 77.8 116.6
141 71.9 55.4 83.0

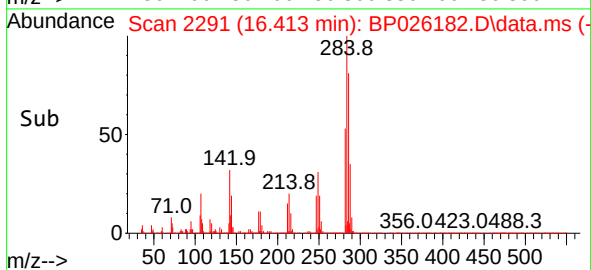
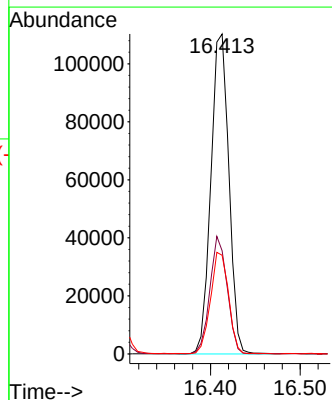
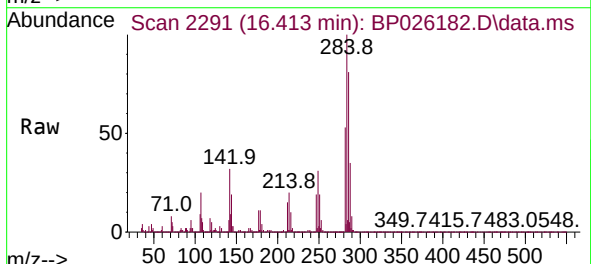
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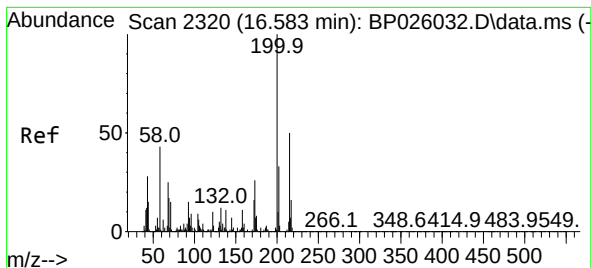
Reviewed By :Jagrut Upadhyay 11/24/2025
Supervised By :mohammad ahmed 11/26/2025



#68
Hexachlorobenzene
Concen: 8.056 ng
RT: 16.413 min Scan# 2291
Delta R.T. -0.012 min
Lab File: BP026182.D
Acq: 21 Nov 2025 12:38

Tgt Ion:284 Resp: 153416
Ion Ratio Lower Upper
284 100
142 32.2 28.0 42.0
249 30.8 25.0 37.4





#69

Atrazine

Concen: 7.374 ng

RT: 16.578 min Scan# 2319

Delta R.T. -0.012 min

Lab File: BP026182.D

Acq: 21 Nov 2025 12:38

Instrument :

BNA_P

ClientSampleId :

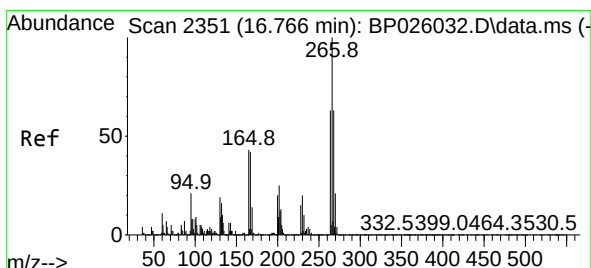
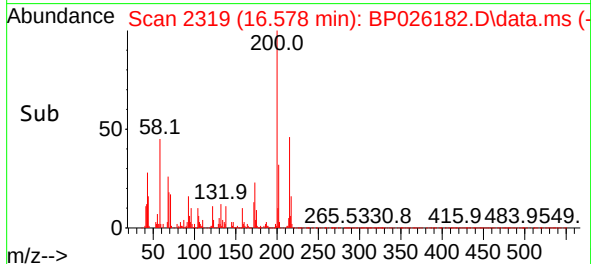
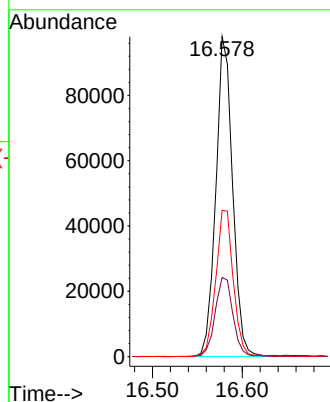
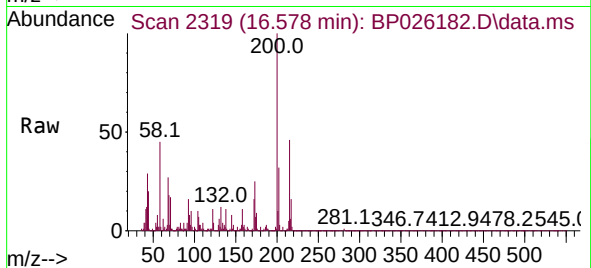
MDL-SOIL-03-QT4-2025

Tgt Ion:200 Resp: 127479
 Ion Ratio Lower Upper
 200 100
 173 24.7 6.7 46.7
 215 45.7 27.4 67.4

Manual Integrations

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



#70

Pentachlorophenol

Concen: 6.591 ng

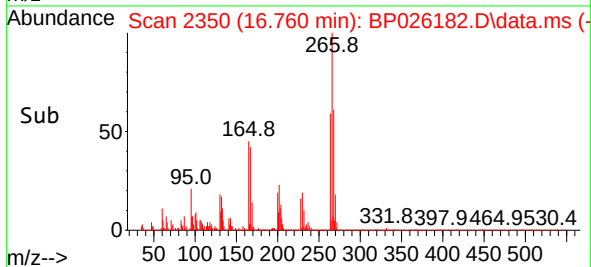
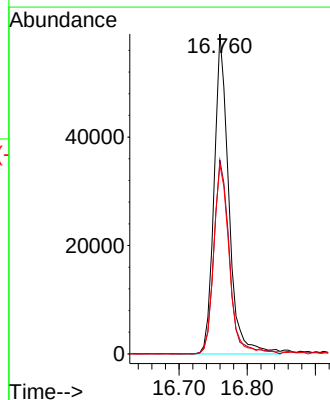
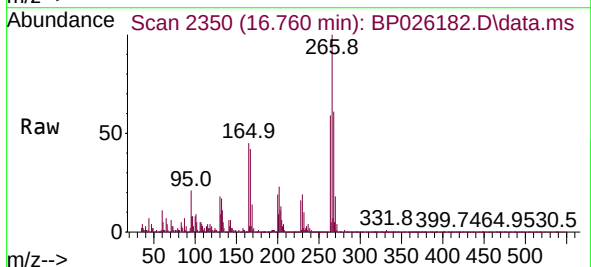
RT: 16.760 min Scan# 2350

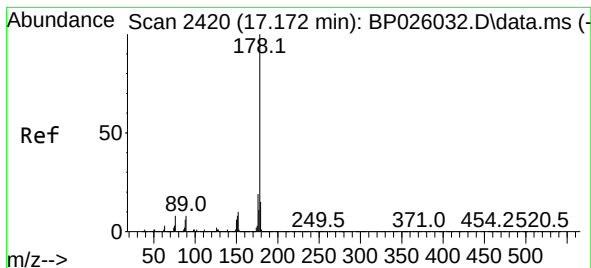
Delta R.T. -0.018 min

Lab File: BP026182.D

Acq: 21 Nov 2025 12:38

Tgt Ion:266 Resp: 87804
 Ion Ratio Lower Upper
 266 100
 268 60.5 51.0 76.4
 264 59.1 50.2 75.2





#71

Phenanthrene

Concen: 8.156 ng

RT: 17.166 min Scan# 24

Delta R.T. -0.012 min

Lab File: BP026182.D

Acq: 21 Nov 2025 12:38

Instrument :

BNA_P

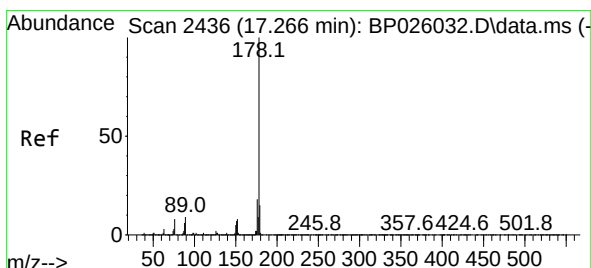
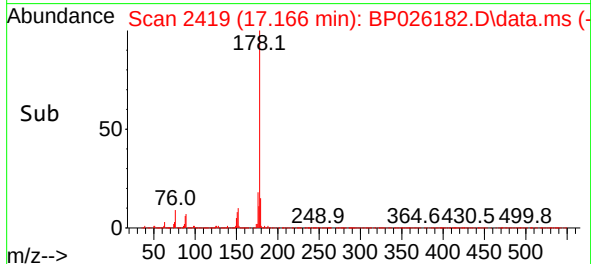
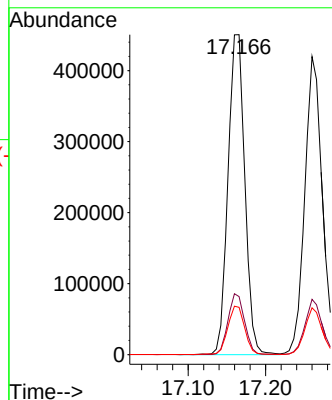
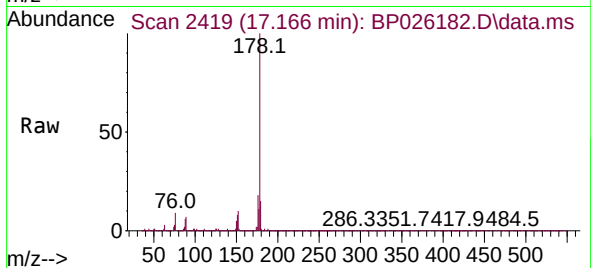
ClientSampleId :

MDL-SOIL-03-QT4-2025

Tgt Ion:178 Resp: 680924
 Ion Ratio Lower Upper
 178 100
 176 18.1 15.4 23.2
 179 14.8 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: 7.809 ng

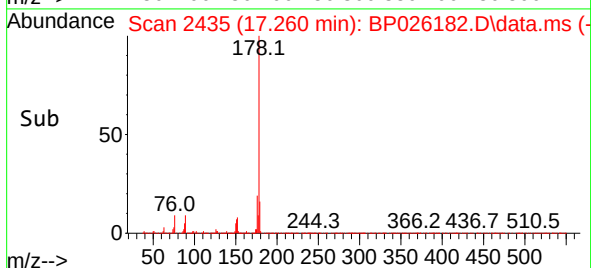
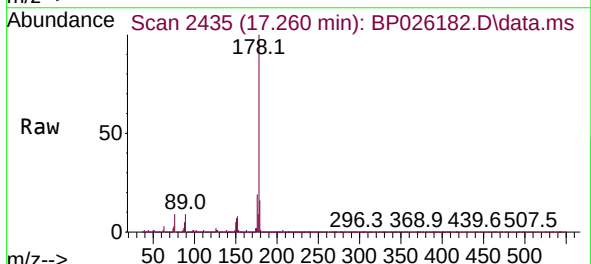
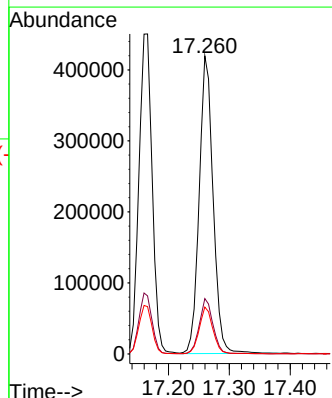
RT: 17.260 min Scan# 2435

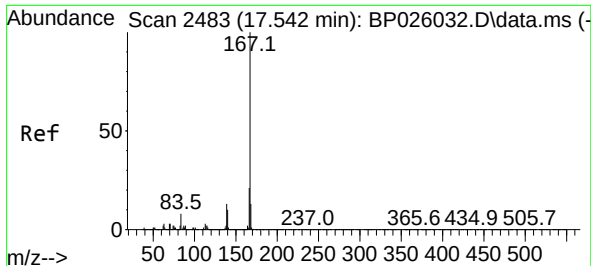
Delta R.T. -0.012 min

Lab File: BP026182.D

Acq: 21 Nov 2025 12:38

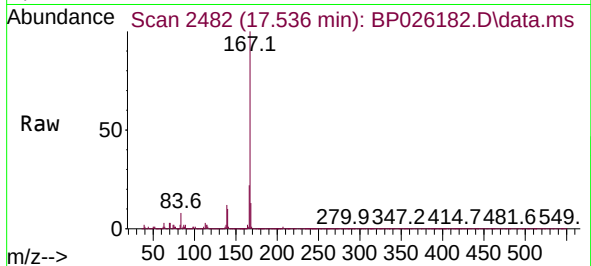
Tgt Ion:178 Resp: 664885
 Ion Ratio Lower Upper
 178 100
 176 18.6 14.8 22.2
 179 15.7 12.2 18.4





#73
 Carbazole
 Concen: 7.570 ng
 RT: 17.536 min Scan# 2483
 Delta R.T. -0.006 min
 Lab File: BP026182.D
 Acq: 21 Nov 2025 12:38

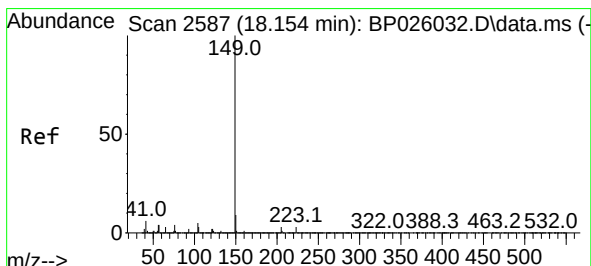
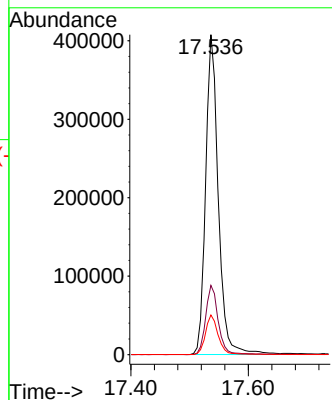
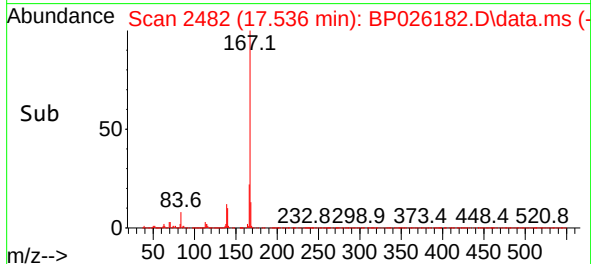
Instrument :
 BNA_P
 ClientSampleId :
 MDL-SOIL-03-QT4-2025



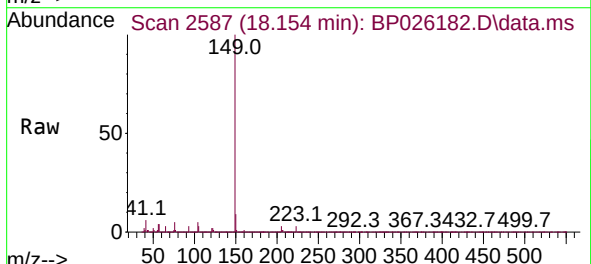
Tgt Ion:167 Resp: 61221
 Ion Ratio Lower Upper
 167 100
 166 21.6 17.1 25.7
 139 12.4 10.2 15.4

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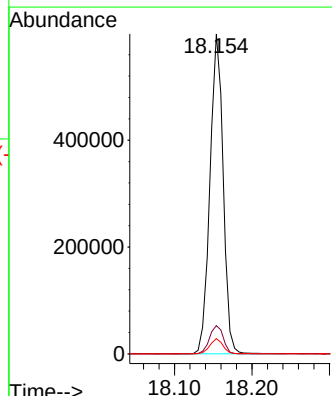
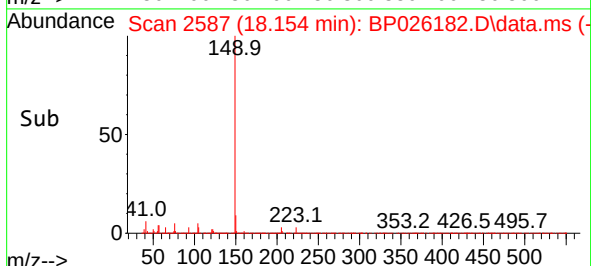
Reviewed By :Jagrut Upadhyay 11/24/2025
 Supervised By :mohammad ahmed 11/26/2025

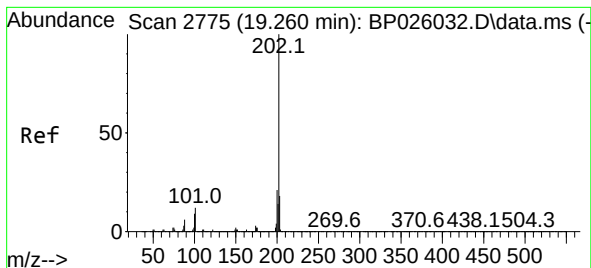


#74
 Di-n-butylphthalate
 Concen: 7.376 ng
 RT: 18.154 min Scan# 2587
 Delta R.T. -0.006 min
 Lab File: BP026182.D
 Acq: 21 Nov 2025 12:38



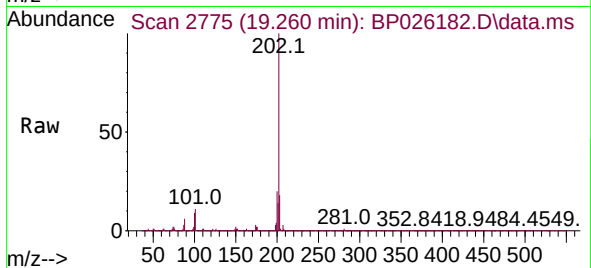
Tgt Ion:149 Resp: 707217
 Ion Ratio Lower Upper
 149 100
 150 8.8 7.5 11.3
 104 4.8 3.6 5.4





#75
Fluoranthene
Concen: 7.497 ng
RT: 19.260 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP026182.D
Acq: 21 Nov 2025 12:38

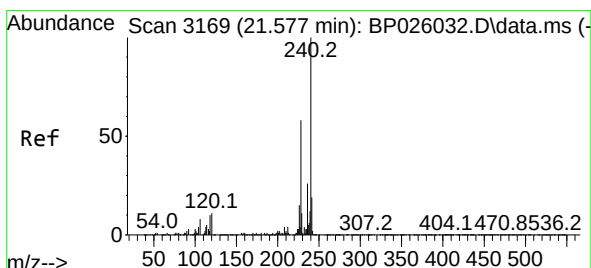
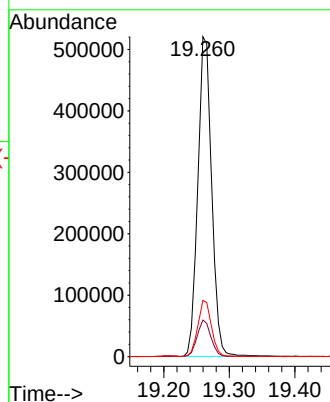
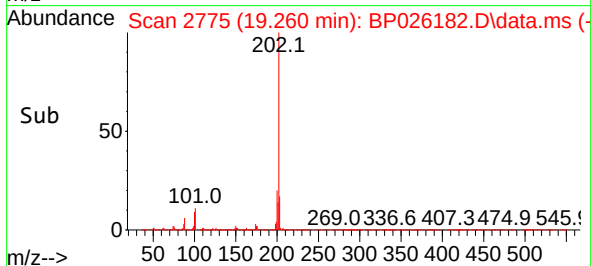
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT4-2025



Tgt Ion:202 Resp: 760409
Ion Ratio Lower Upper
202 100
101 11.4 0.0 31.2
203 17.5 0.0 37.7

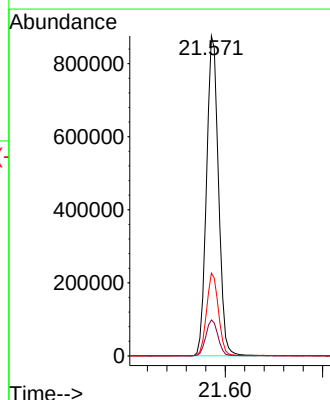
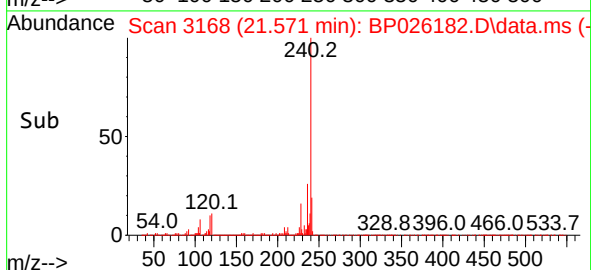
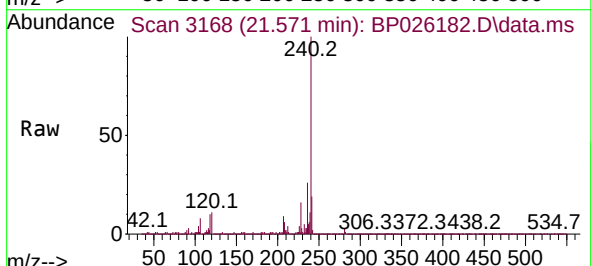
Manual Integrations
APPROVED

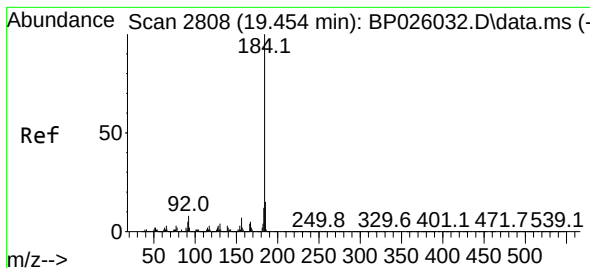
Reviewed By :Jagrut Upadhyay 11/24/2025
Supervised By :mohammad ahmed 11/26/2025



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.571 min Scan# 3168
Delta R.T. 0.000 min
Lab File: BP026182.D
Acq: 21 Nov 2025 12:38

Tgt Ion:240 Resp: 1500207
Ion Ratio Lower Upper
240 100
120 11.2 9.0 13.4
236 25.9 20.4 30.6





#77

Benzidine

Concen: 4.679 ng

RT: 19.471 min Scan# 2811

Delta R.T. 0.006 min

Lab File: BP026182.D

Acq: 21 Nov 2025 12:38

Instrument :

BNA_P

ClientSampleId :

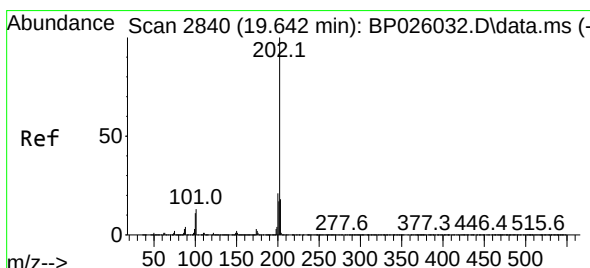
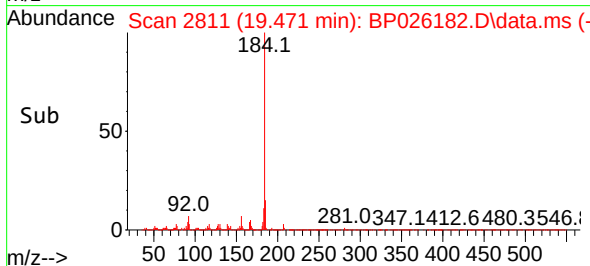
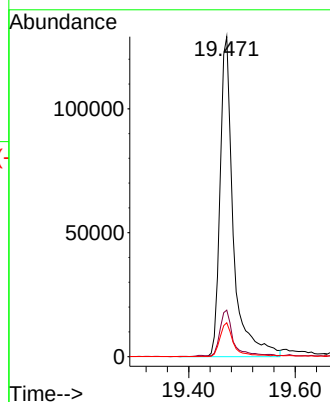
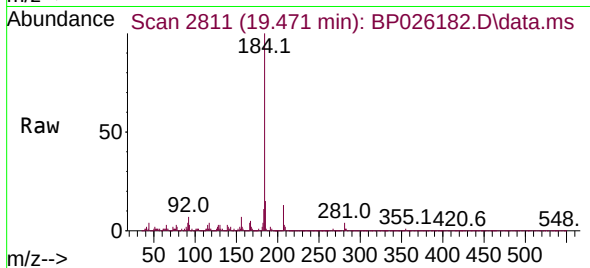
MDL-SOIL-03-QT4-2025

Tgt Ion:	184	Resp:	22275
Ion Ratio	Lower	Upper	
184	100		
185	14.5	11.3	16.9
183	10.6	9.0	13.6

Manual Integrations

APPROVED

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



#78

Pyrene

Concen: 8.212 ng

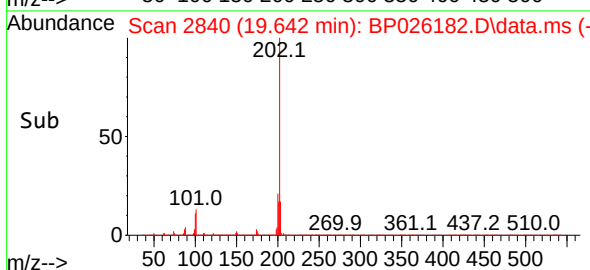
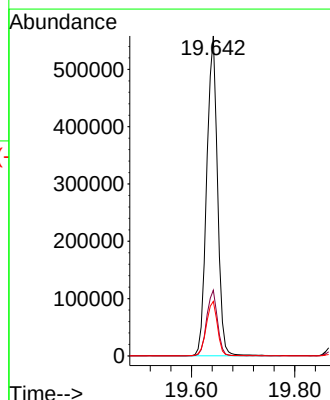
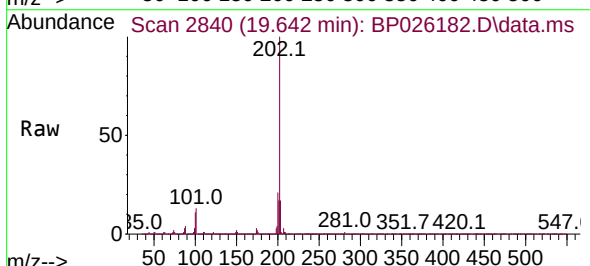
RT: 19.642 min Scan# 2840

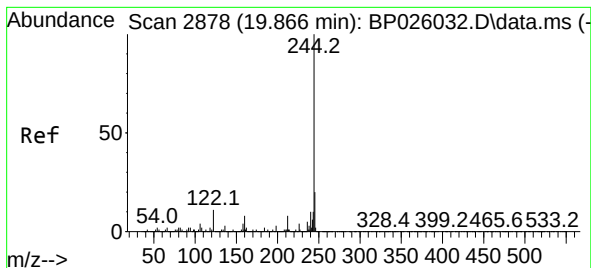
Delta R.T. 0.000 min

Lab File: BP026182.D

Acq: 21 Nov 2025 12:38

Tgt Ion:	202	Resp:	807734
Ion Ratio	Lower	Upper	
202	100		
200	20.5	16.9	25.3
203	17.0	13.8	20.8





#79

Terphenyl-d14

Concen: 92.578 ng

RT: 19.871 min Scan# 2878

Delta R.T. 0.000 min

Lab File: BP026182.D

Acq: 21 Nov 2025 12:38

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT4-2025

Tgt Ion:244 Resp: 6811316

Ion Ratio Lower Upper

244 100

212 7.4 5.8 8.8

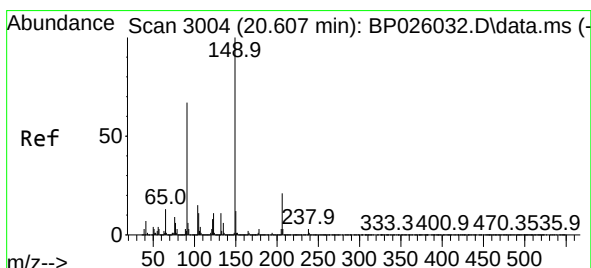
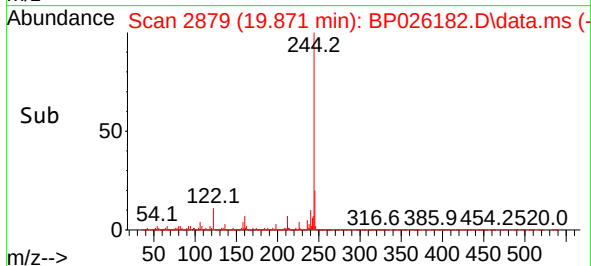
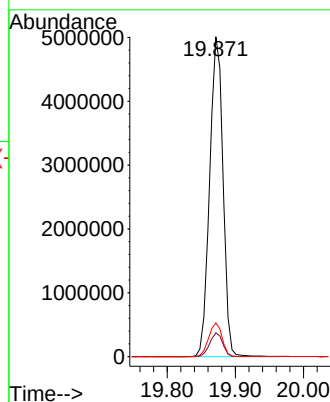
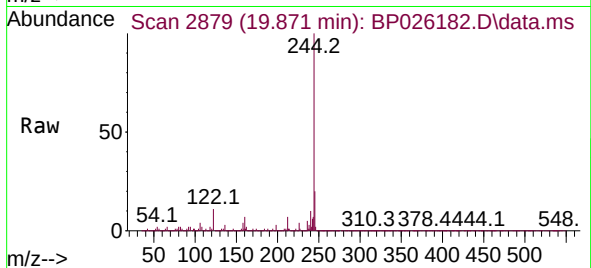
122 10.5 8.2 12.2

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 11/24/2025

Supervised By :mohammad ahmed 11/26/2025



#80

Butylbenzylphthalate

Concen: 6.869 ng

RT: 20.607 min Scan# 3004

Delta R.T. 0.000 min

Lab File: BP026182.D

Acq: 21 Nov 2025 12:38

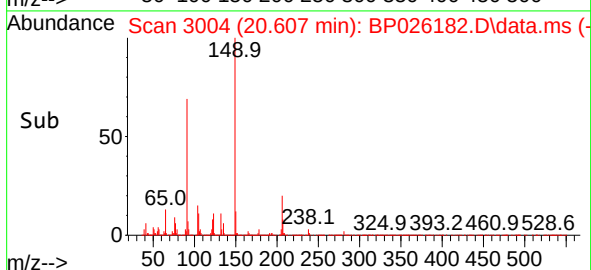
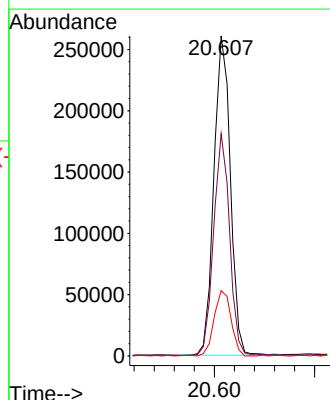
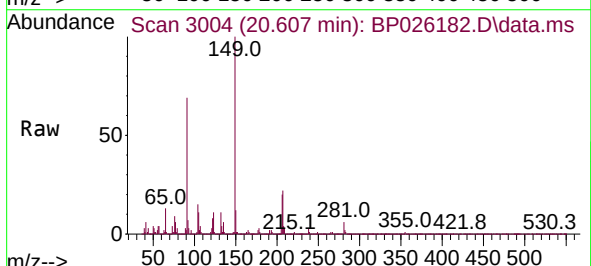
Tgt Ion:149 Resp: 297551

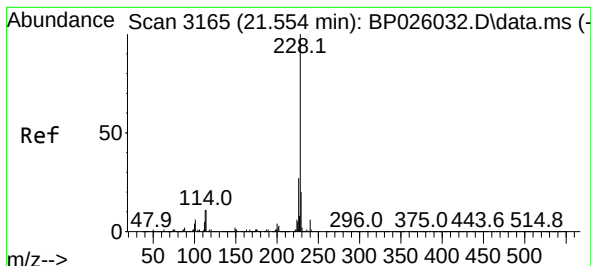
Ion Ratio Lower Upper

149 100

91 69.4 52.6 79.0

206 20.4 16.9 25.3





#81

Benzo(a)anthracene

Concen: 7.739 ng

RT: 21.554 min Scan# 3165

Delta R.T. 0.000 min

Lab File: BP026182.D

Acq: 21 Nov 2025 12:38

Instrument :

BNA_P

ClientSampleId :

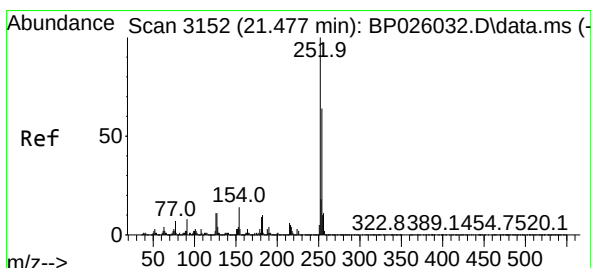
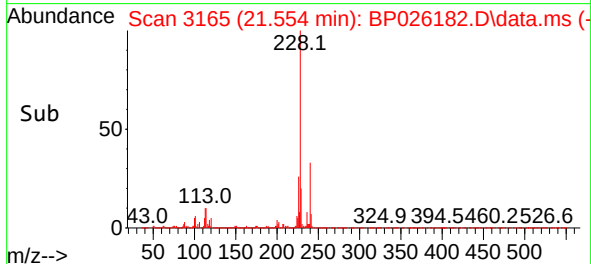
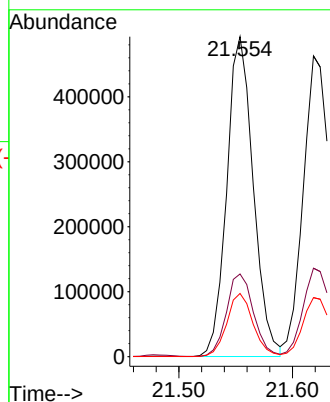
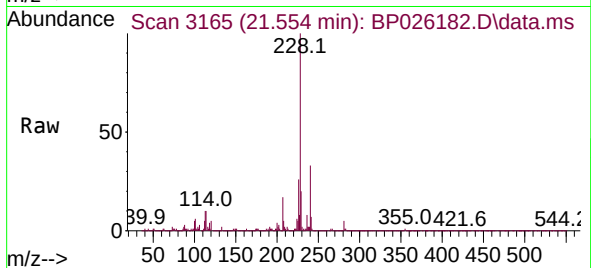
MDL-SOIL-03-QT4-2025

Tgt Ion:228 Resp: 797400
 Ion Ratio Lower Upper
 228 100
 226 25.8 21.8 32.8
 229 19.7 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: 6.741 ng

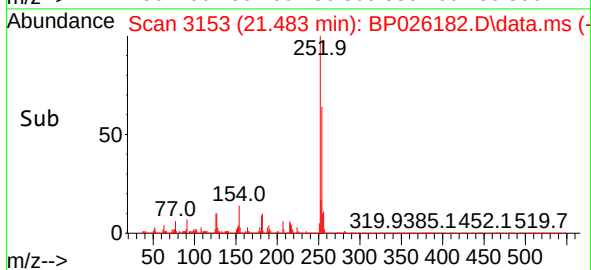
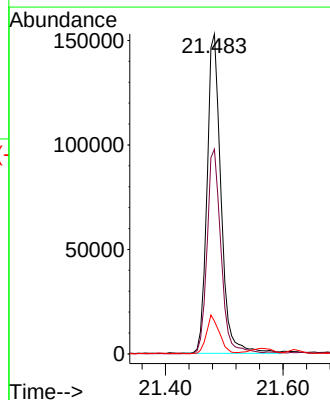
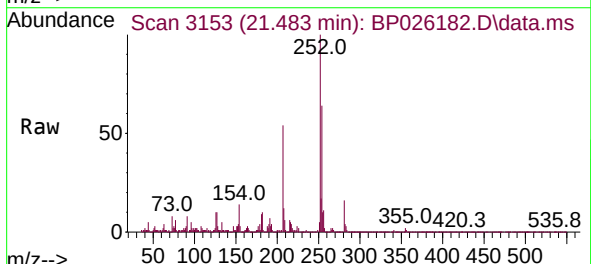
RT: 21.483 min Scan# 3153

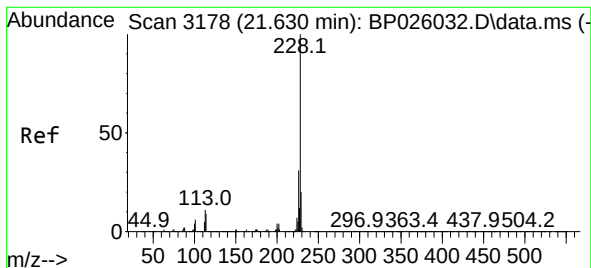
Delta R.T. -0.006 min

Lab File: BP026182.D

Acq: 21 Nov 2025 12:38

Tgt Ion:252 Resp: 252570
 Ion Ratio Lower Upper
 252 100
 254 64.0 51.2 76.8
 126 10.2 8.2 12.4





#83

Chrysene

Concen: 7.899 ng

RT: 21.618 min Scan# 3178

Delta R.T. 0.000 min

Lab File: BP026182.D

Acq: 21 Nov 2025 12:38

Instrument :

BNA_P

ClientSampleId :

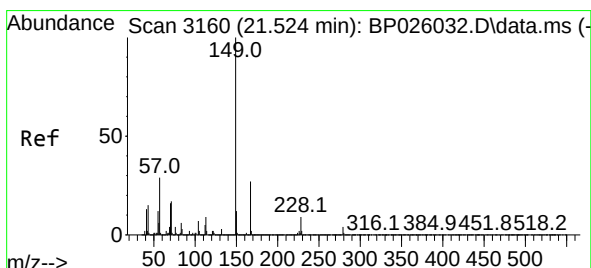
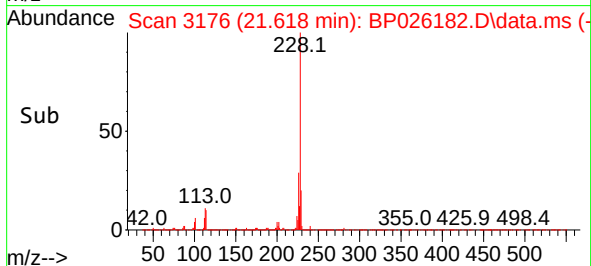
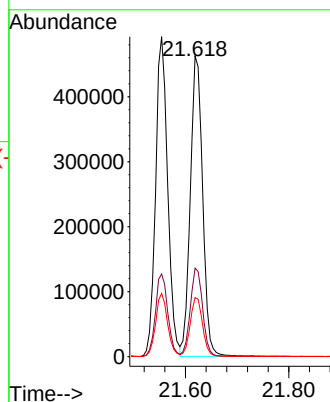
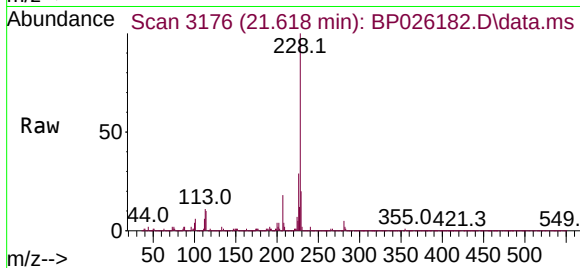
MDL-SOIL-03-QT4-2025

Tgt Ion:	228	Resp:	766965
Ion Ratio	Lower	Upper	
228	100		
226	29.4	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: 7.149 ng

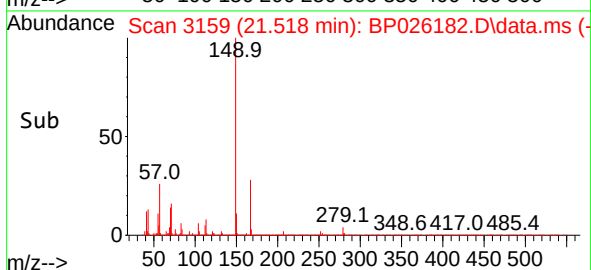
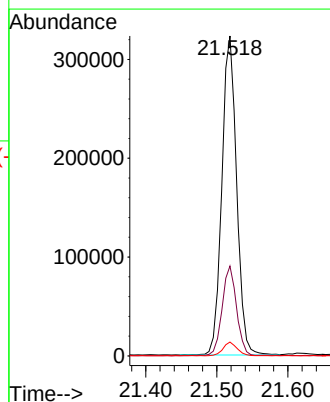
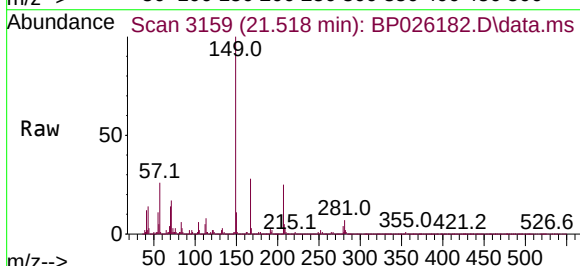
RT: 21.518 min Scan# 3159

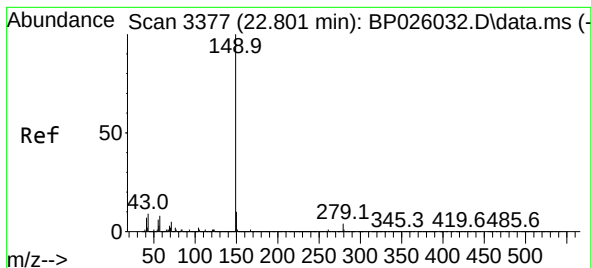
Delta R.T. 0.000 min

Lab File: BP026182.D

Acq: 21 Nov 2025 12:38

Tgt Ion:	149	Resp:	468812
Ion Ratio	Lower	Upper	
149	100		
167	28.1	22.1	33.1
279	4.3	3.3	4.9





#85

Di-n-octyl phthalate

Concen: 6.238 ng

RT: 22.801 min Scan# 3377

Delta R.T. -0.006 min

Lab File: BP026182.D

Acq: 21 Nov 2025 12:38

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT4-2025

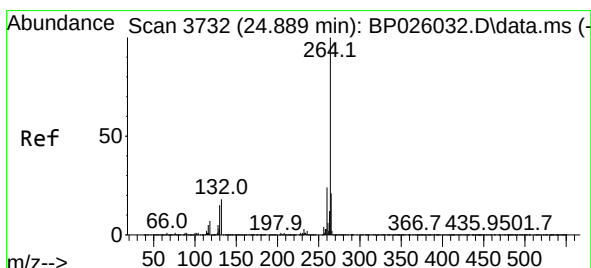
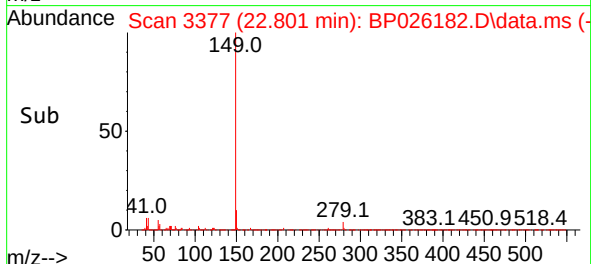
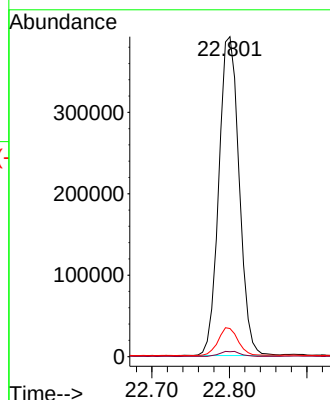
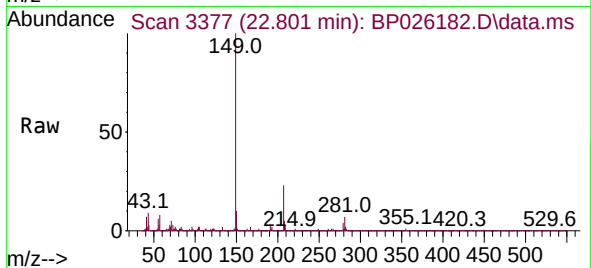
Tgt Ion:149 Resp: 715306

Ion	Ratio	Lower	Upper
149	100		
167	1.7	1.2	1.8
43	8.7	6.6	10.0

Manual Integrations

APPROVED

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



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.901 min Scan# 3734

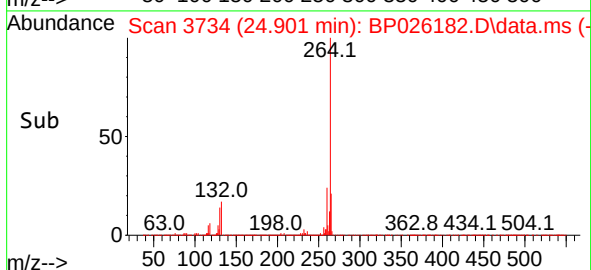
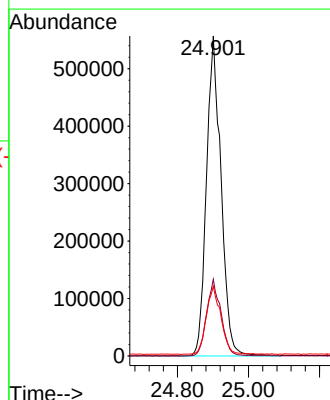
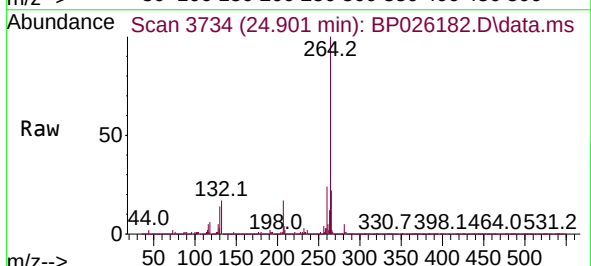
Delta R.T. -0.006 min

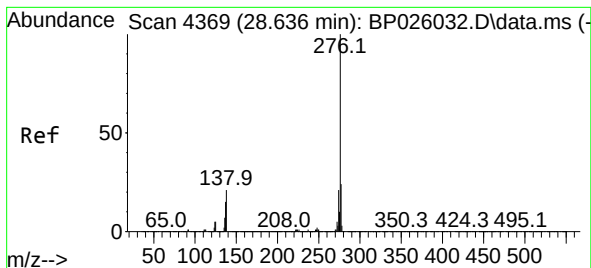
Lab File: BP026182.D

Acq: 21 Nov 2025 12:38

Tgt Ion:264 Resp: 1574815

Ion	Ratio	Lower	Upper
264	100		
260	23.9	18.7	28.1
265	21.8	17.5	26.3





#87

Indeno(1,2,3-cd)pyrene

Concen: 7.456 ng m

RT: 28.677 min Scan# 4369

Delta R.T. -0.029 min

Lab File: BP026182.D

Acq: 21 Nov 2025 12:38

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT4-2025

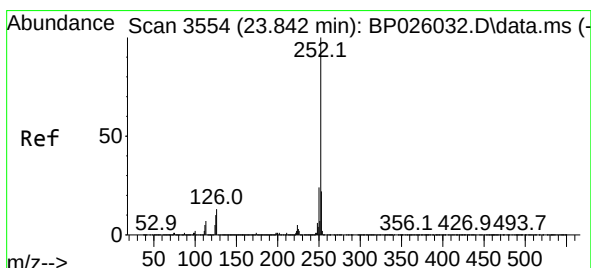
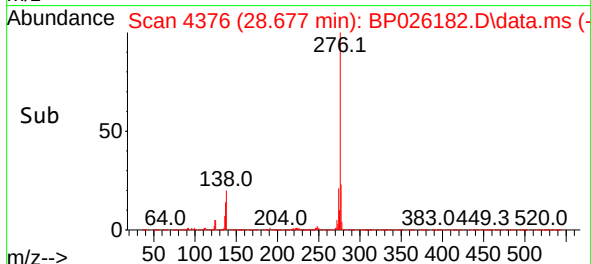
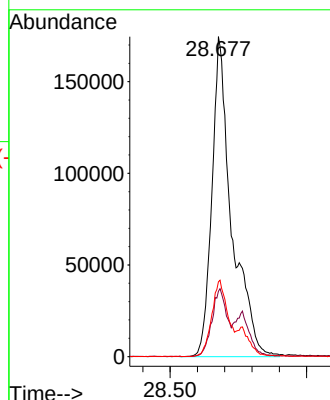
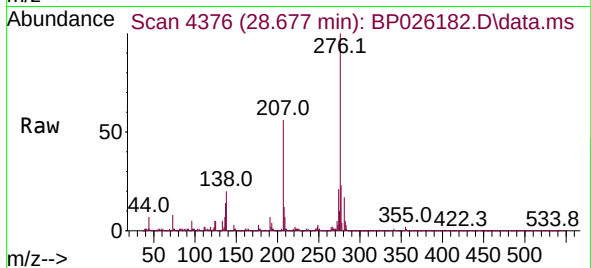
Tgt Ion: 276 Resp: 880558

Ion	Ratio	Lower	Upper
276	100		
138	16.1	13.8	20.8
277	19.8	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: 7.884 ng

RT: 23.854 min Scan# 3556

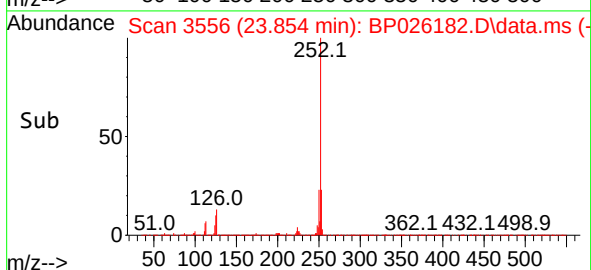
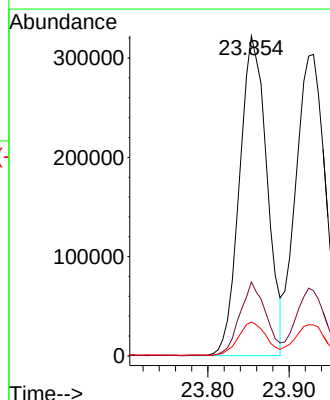
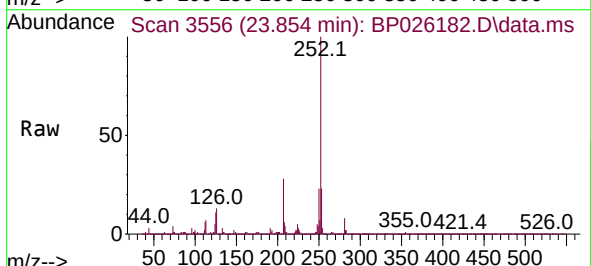
Delta R.T. -0.012 min

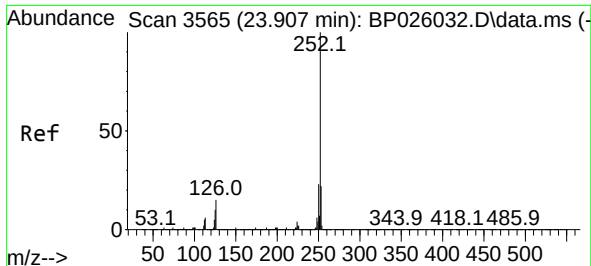
Lab File: BP026182.D

Acq: 21 Nov 2025 12:38

Tgt Ion: 252 Resp: 756073

Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.6	26.4
125	10.6	8.2	12.4





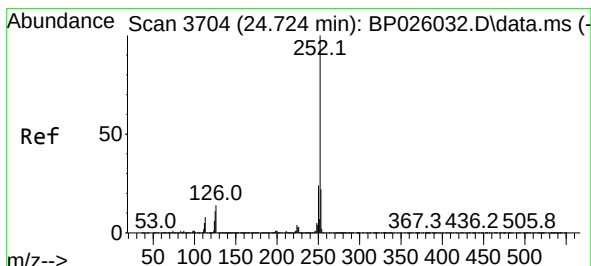
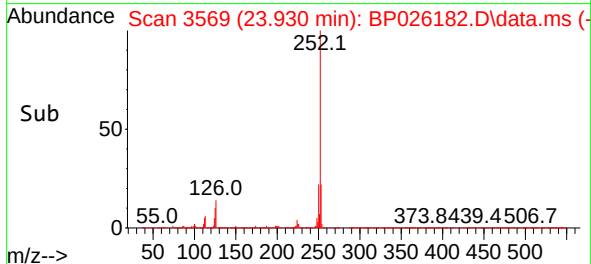
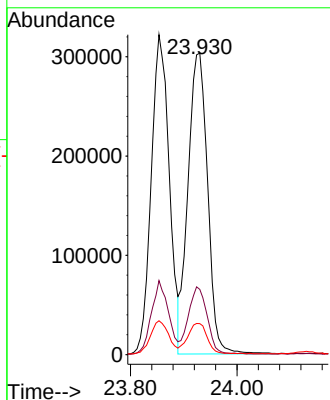
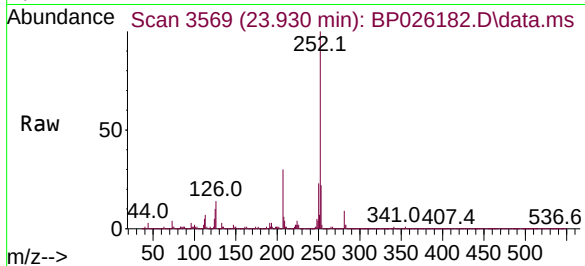
#89
Benzo(k)fluoranthene
Concen: 8.086 ng
RT: 23.930 min Scan# 3565
Delta R.T. -0.006 min
Lab File: BP026182.D
Acq: 21 Nov 2025 12:38

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

Tgt Ion:252 Resp: 77455
Ion Ratio Lower Upper
252 100
253 21.6 17.6 26.4
125 10.3 7.5 11.3

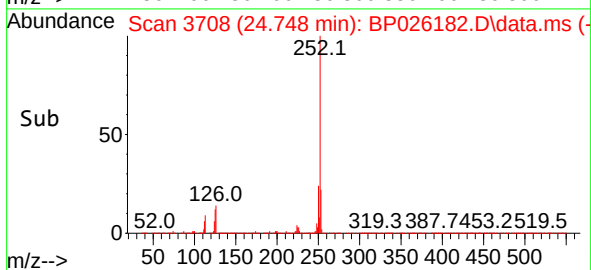
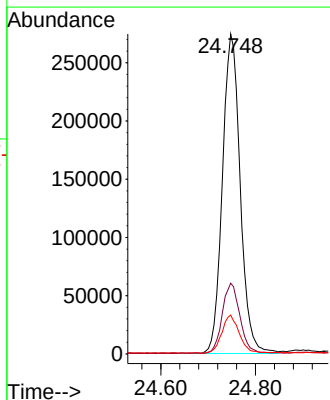
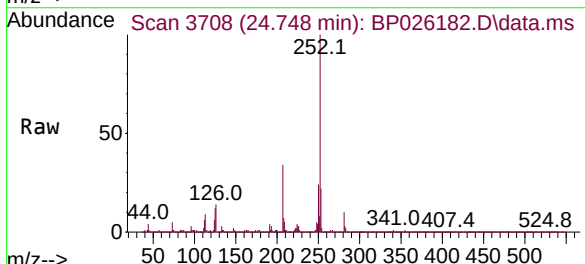
Manual Integrations
APPROVED

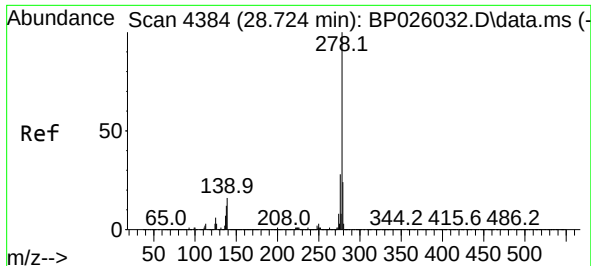
Reviewed By :Jagrut Upadhyay 11/24/2025
Supervised By :mohammad ahmed 11/26/2025



#90
Benzo(a)pyrene
Concen: 7.882 ng
RT: 24.748 min Scan# 3708
Delta R.T. -0.006 min
Lab File: BP026182.D
Acq: 21 Nov 2025 12:38

Tgt Ion:252 Resp: 716022
Ion Ratio Lower Upper
252 100
253 22.1 17.4 26.2
125 12.1 9.0 13.6





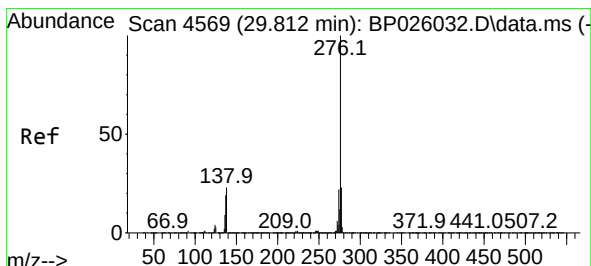
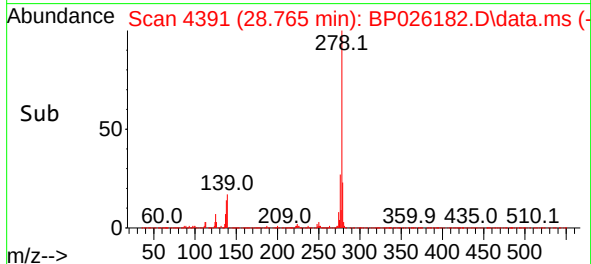
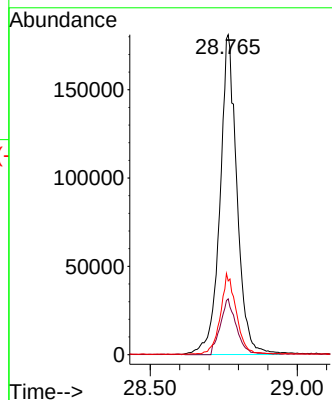
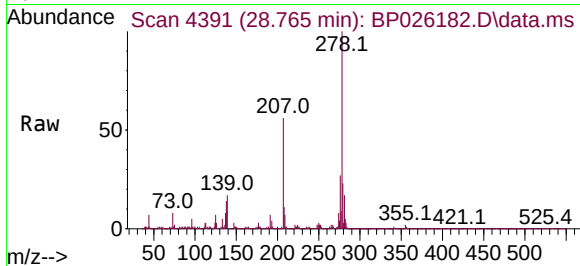
#91
Dibenzo(a,h)anthracene
Concen: 7.517 ng
RT: 28.765 min Scan# 4384
Delta R.T. -0.029 min
Lab File: BP026182.D
Acq: 21 Nov 2025 12:38

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

Tgt Ion: 278 Resp: 726719
Ion Ratio Lower Upper
278 100
139 17.4 13.2 19.8
279 23.0 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: 7.533 ng
RT: 29.842 min Scan# 4574
Delta R.T. -0.041 min
Lab File: BP026182.D
Acq: 21 Nov 2025 12:38

Tgt Ion: 276 Resp: 723904
Ion Ratio Lower Upper
276 100
277 24.0 18.8 28.2
138 21.1 17.8 26.6

