

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM020625\
 Data File : BM049581.D
 Acq On : 06 Feb 2025 15:16
 Operator : RC/JU
 Sample : Q1168-02
 Misc : LOQ-SOIL 10PPM
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 LOQ-SOIL-02-QT1-2025

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 02/07/2025
 Supervised By :mohammad ahmed 02/07/2025

Quant Time: Feb 06 15:56:03 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM020525.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 06 11:55:12 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.828	152	189937	20.000	ng	0.00
21) Naphthalene-d8	10.622	136	718933	20.000	ng	0.00
39) Acenaphthene-d10	14.463	164	448375	20.000	ng	0.00
64) Phenanthrene-d10	17.204	188	855333	20.000	ng	0.00
76) Chrysene-d12	21.439	240	719312	20.000	ng	0.00
86) Perylene-d12	24.474	264	599002	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.393	112	829336	70.215	ng	0.00
7) Phenol-d6	6.981	99	1138937	73.602	ng	0.00
23) Nitrobenzene-d5	8.975	82	1003260	71.780	ng	0.00
42) 2,4,6-Tribromophenol	15.945	330	329224	61.967	ng	0.00
45) 2-Fluorobiphenyl	13.092	172	2381114	68.796	ng	0.00
79) Terphenyl-d14	19.833	244	3663522	77.774	ng	0.00
Target Compounds						
						Qvalue
4) n-Nitrosodimethylamine	3.599	42	65658	10.169	ng	# 97
9) Benzaldehyde	6.957	77	125895m	15.365	ng	
15) Benzyl Alcohol	8.057	79	96823	8.994	ng	97
20) 3+4-Methylphenols	8.586	107	116372	9.459	ng	97
32) Benzoic acid	9.845	122	20299m	10.000	ng	
35) Caprolactam	11.516	113	26195	7.823	ng	99
41) Hexachlorocyclopentadiene	12.645	237	34324	9.121	ng	96
54) 2,4-Dinitrophenol	14.551	184	6308	9.487	ng	# 71
56) 4-Nitrophenol	14.645	139	30316	6.340	ng	97
65) 4,6-Dinitro-2-methylph...	15.568	198	10635	9.791	ng	94
70) Pentachlorophenol	16.851	266	30433	11.285	ng	93
77) Benzidine	19.445	184	81883	12.855	ng	99
85) Di-n-octyl phthalate	22.538	149	192892	4.256	ng	# 91

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

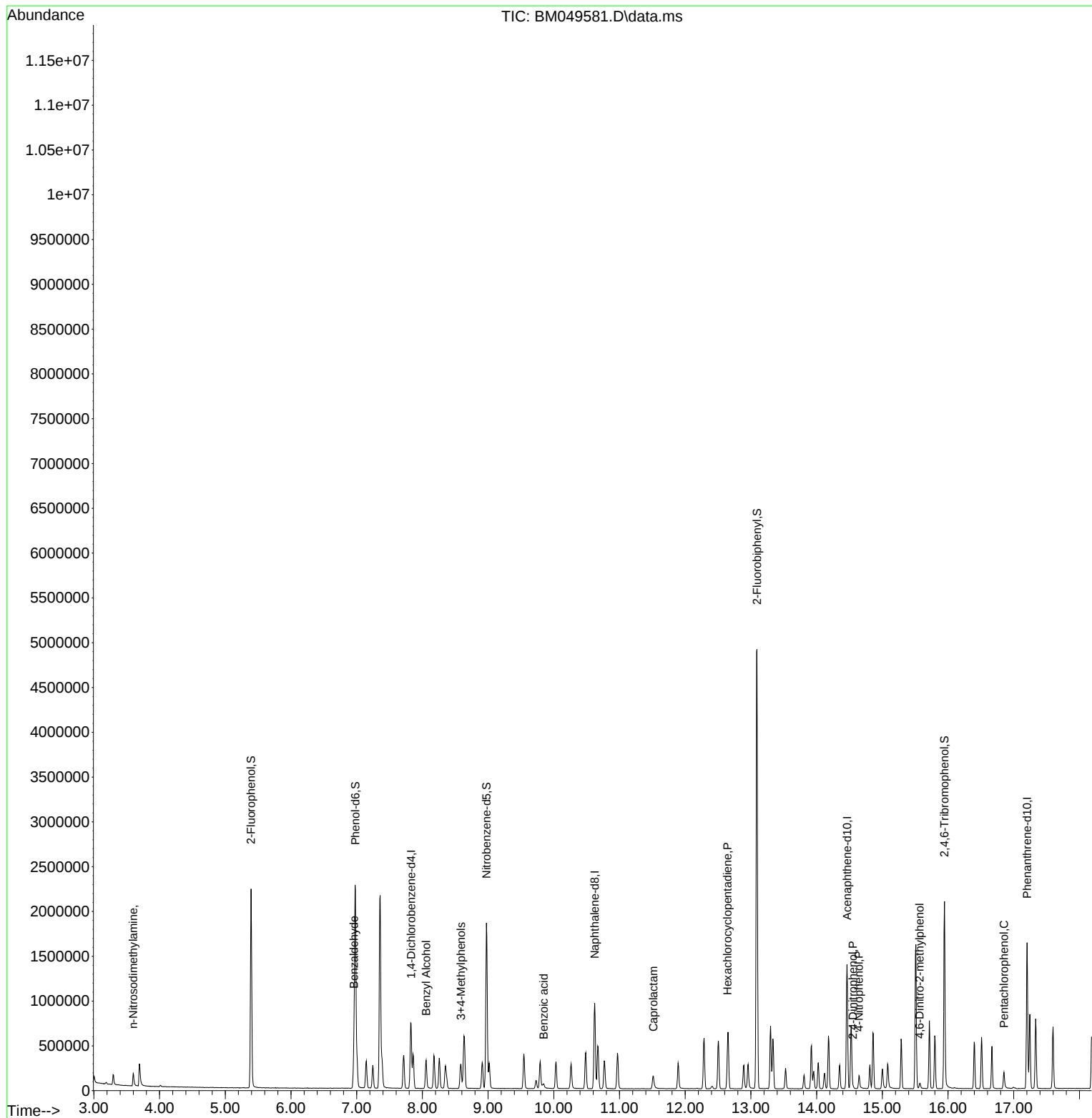
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM020625\
Data File : BM049581.D
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Supervised By :mohammad ahmed 02/07/2025



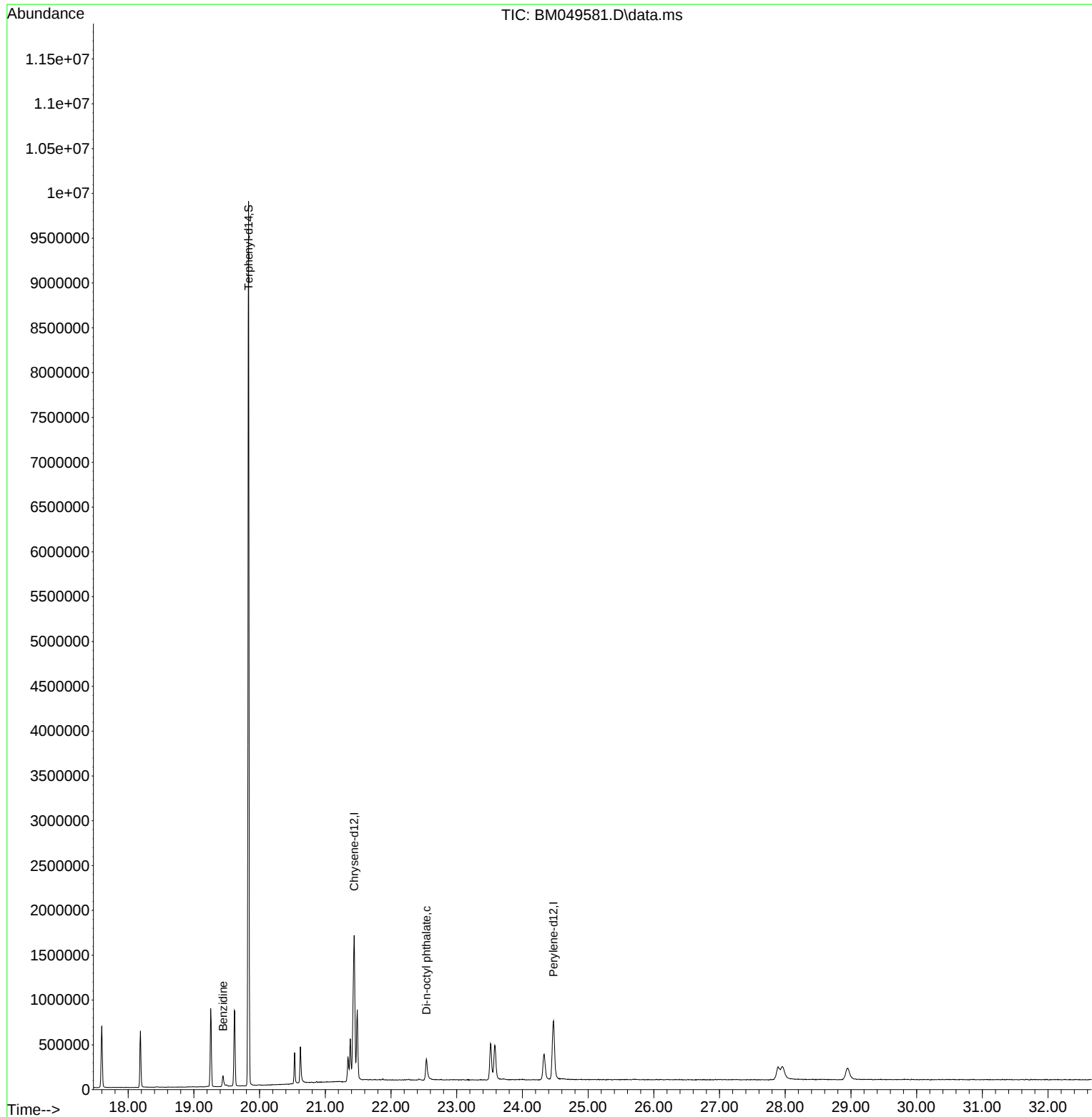
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Data File : BM049581.D
Acq On : 06 Feb 2025 15:16
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Sample : Q1168-02
Misc : LOQ-SOIL 10PPM
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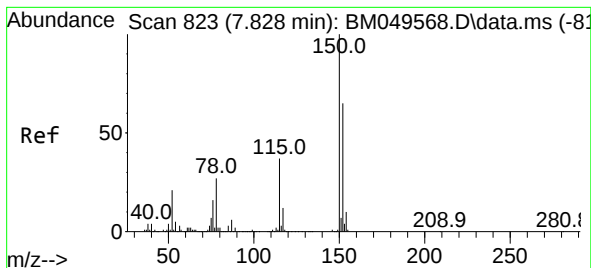
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ClientSampleId :
LOQ-SOIL-02-QT1-2025

Quant Time: Feb 06 15:56:03 2025
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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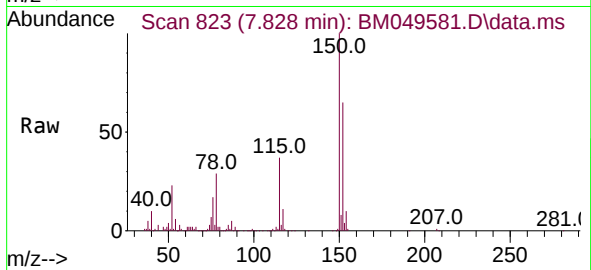
Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.828 min Scan# 81
Delta R.T. -0.000 min
Lab File: BM049581.D
Acq: 06 Feb 2025 15:16

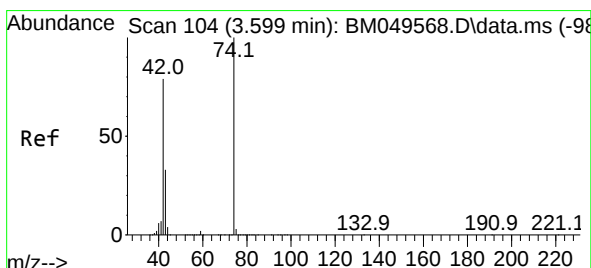
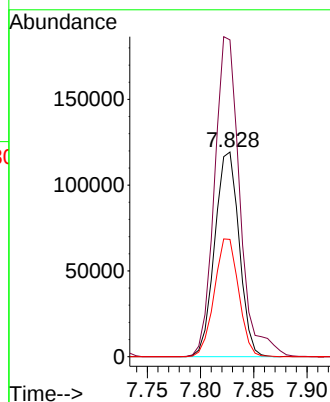
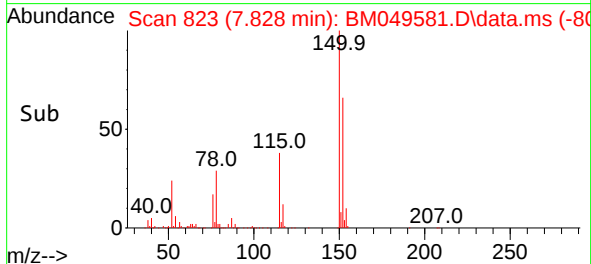
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2025



Tgt Ion:152 Resp: 18993
Ion Ratio Lower Upper
152 100
150 154.8 122.6 184.0
115 57.3 45.4 68.0

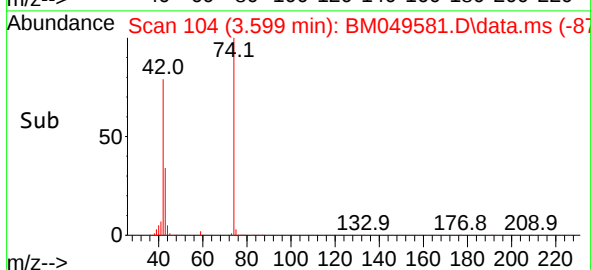
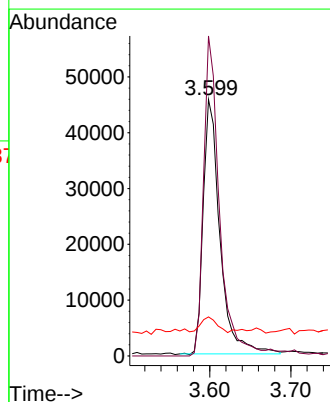
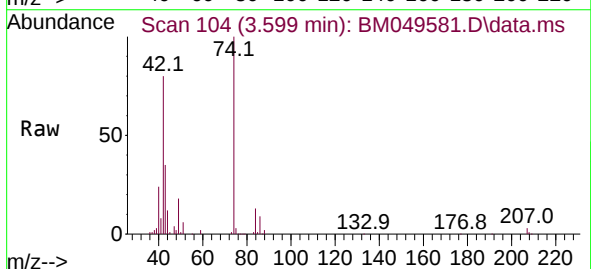
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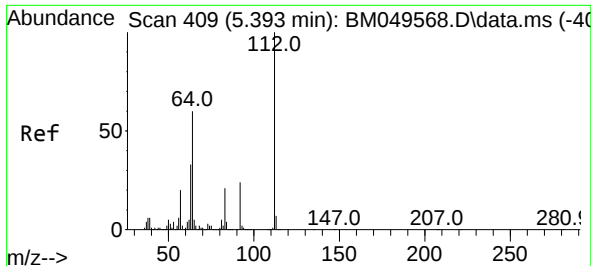
Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025



#4
n-Nitrosodimethylamine
Concen: 10.169 ng
RT: 3.599 min Scan# 104
Delta R.T. 0.000 min
Lab File: BM049581.D
Acq: 06 Feb 2025 15:16

Tgt Ion: 42 Resp: 65658
Ion Ratio Lower Upper
42 100
74 124.8 101.3 151.9
44 15.2 6.5 9.7#





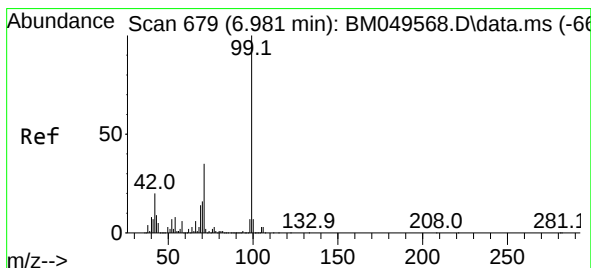
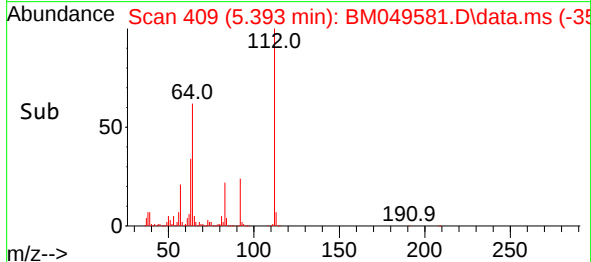
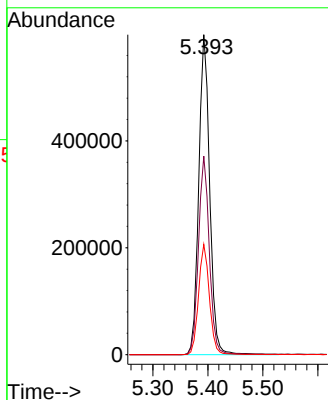
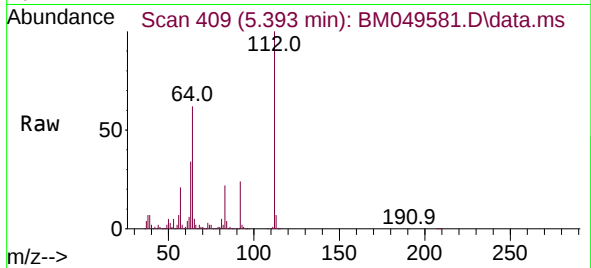
#5
2-Fluorophenol
Concen: 70.215 ng
RT: 5.393 min Scan# 409
Delta R.T. 0.000 min
Lab File: BM049581.D
Acq: 06 Feb 2025 15:16

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2025

Tgt Ion: 112 Resp: 829330
Ion Ratio Lower Upper
112 100
64 62.1 47.8 71.8
63 34.5 26.2 39.4

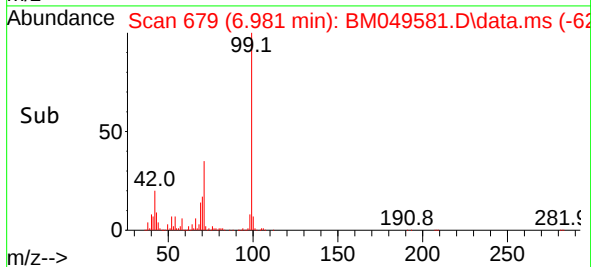
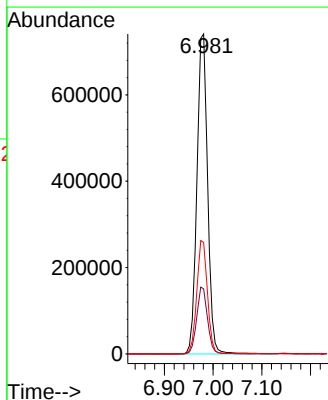
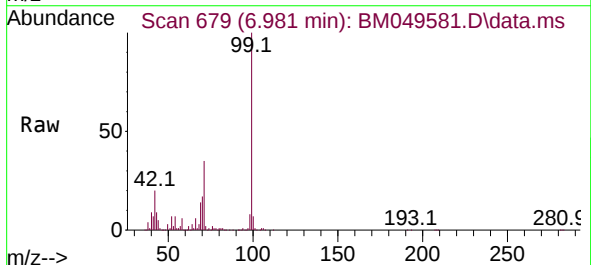
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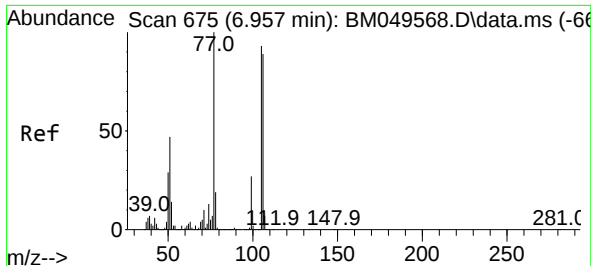
Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025



#7
Phenol-d6
Concen: 73.602 ng
RT: 6.981 min Scan# 679
Delta R.T. 0.000 min
Lab File: BM049581.D
Acq: 06 Feb 2025 15:16

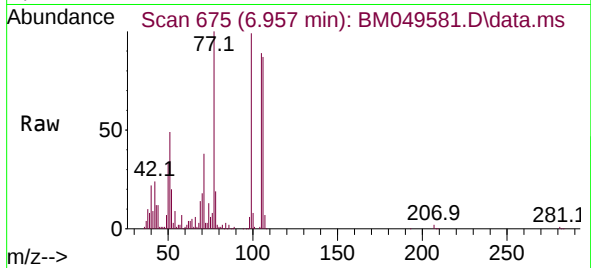
Tgt Ion: 99 Resp: 1138937
Ion Ratio Lower Upper
99 100
42 20.4 16.0 24.0
71 34.9 27.8 41.6





#9
Benzaldehyde
Concen: 15.365 ng m
RT: 6.957 min Scan# 61
Delta R.T. 0.000 min
Lab File: BM049581.D
Acq: 06 Feb 2025 15:16

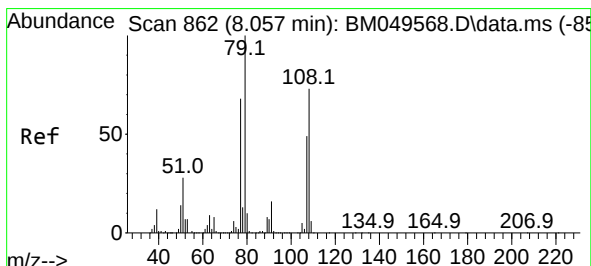
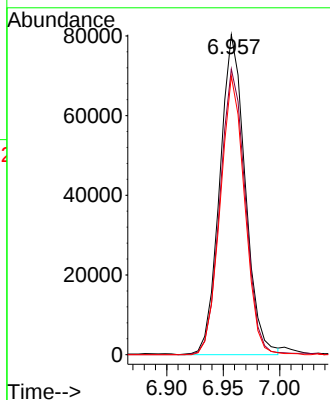
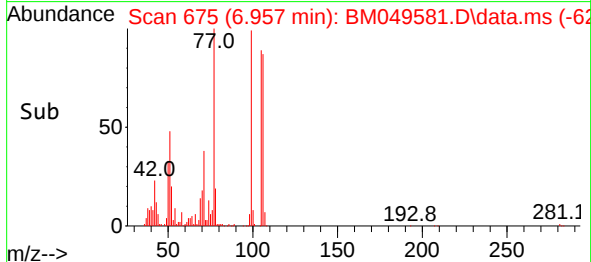
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2025



Tgt Ion: 77 Resp: 12589
Ion Ratio Lower Upper
77 100
105 89.3 72.7 112.7
106 87.0 68.9 108.9

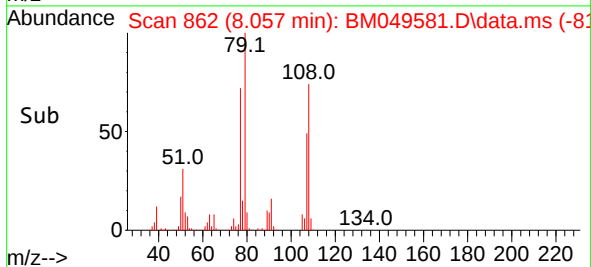
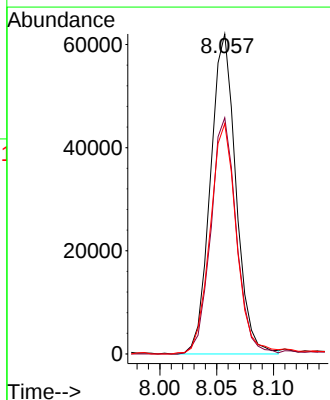
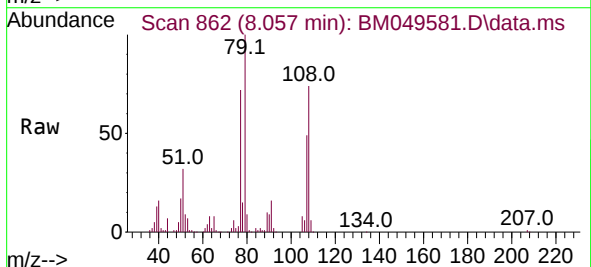
Manual Integrations
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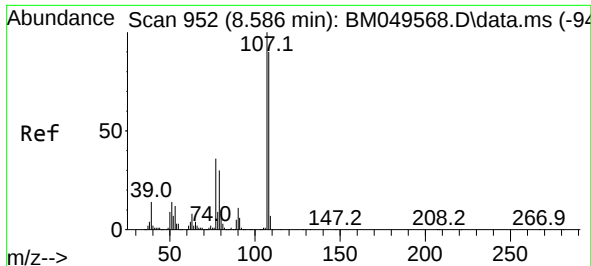
Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025



#15
Benzyl Alcohol
Concen: 8.994 ng
RT: 8.057 min Scan# 862
Delta R.T. 0.000 min
Lab File: BM049581.D
Acq: 06 Feb 2025 15:16

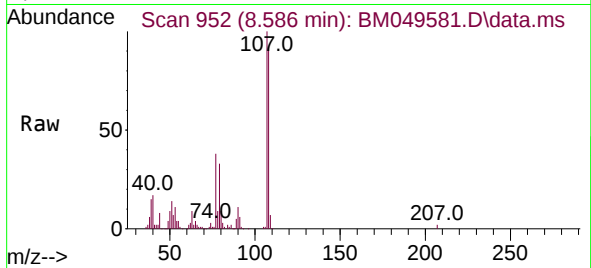
Tgt Ion: 79 Resp: 96823
Ion Ratio Lower Upper
79 100
108 73.8 58.6 88.0
77 72.0 54.0 81.0





#20
3+4-Methylphenols
Concen: 9.459 ng
RT: 8.586 min Scan# 91
Delta R.T. 0.000 min
Lab File: BM049581.D
Acq: 06 Feb 2025 15:16

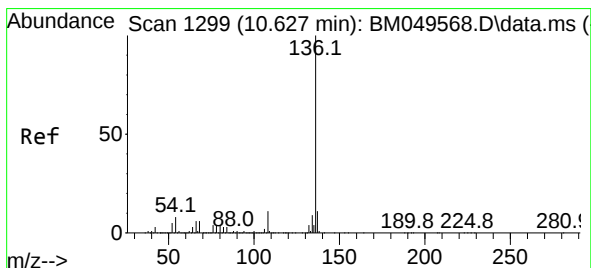
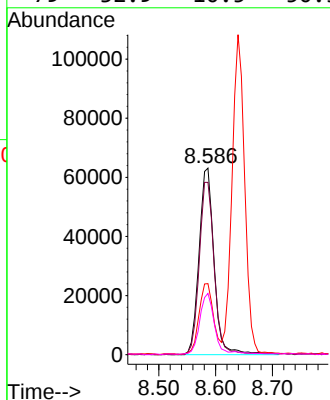
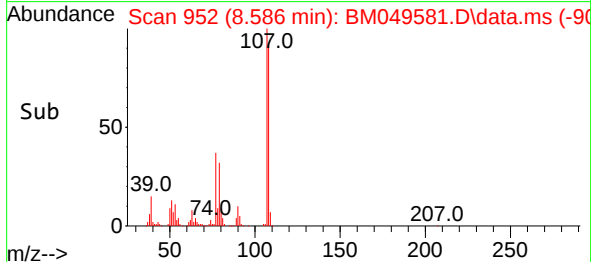
Instrument :
BNA_M
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LOQ-SOIL-02-QT1-2025



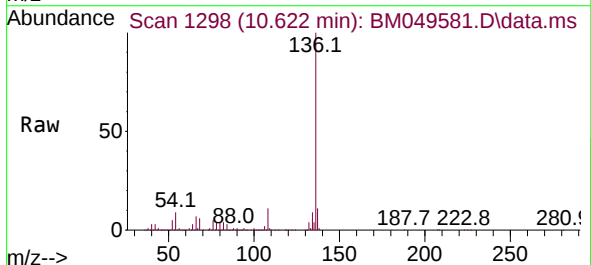
Tgt Ion:107 Resp: 116372
Ion Ratio Lower Upper
107 100
108 92.4 69.6 109.6
77 38.1 16.0 56.0
79 32.9 10.5 50.5

Manual Integrations
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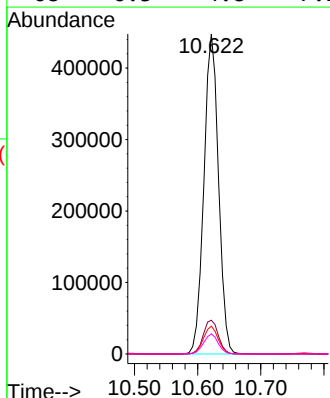
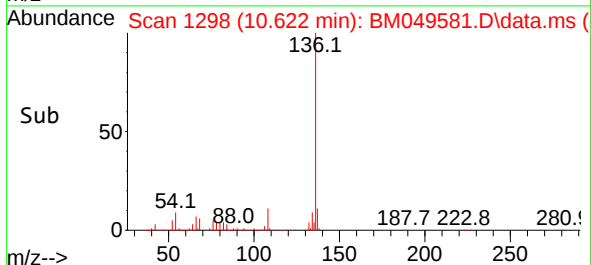
Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025

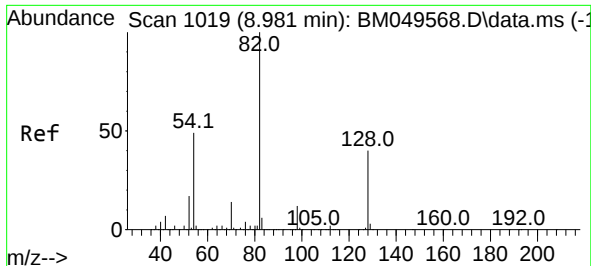


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.622 min Scan# 1298
Delta R.T. -0.006 min
Lab File: BM049581.D
Acq: 06 Feb 2025 15:16



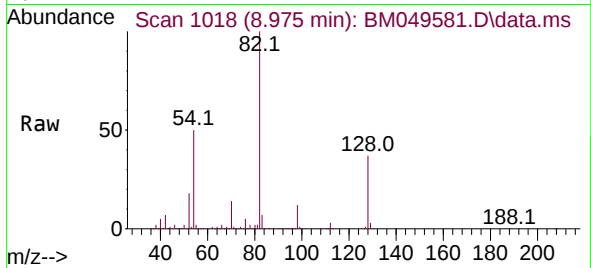
Tgt Ion:136 Resp: 718933
Ion Ratio Lower Upper
136 100
137 10.5 8.6 13.0
54 8.7 6.6 10.0
68 6.3 4.8 7.2





#23
Nitrobenzene-d5
Concen: 71.780 ng
RT: 8.975 min Scan# 1019
Delta R.T. -0.006 min
Lab File: BM049581.D
Acq: 06 Feb 2025 15:16

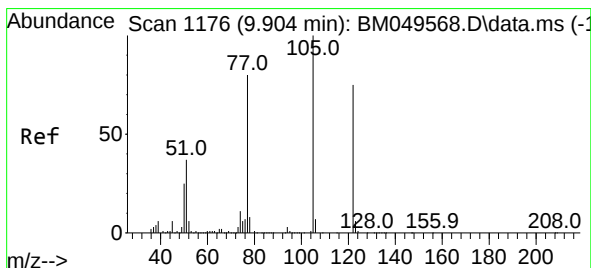
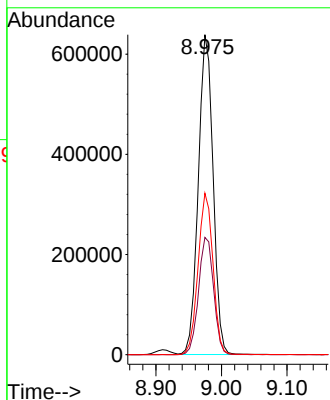
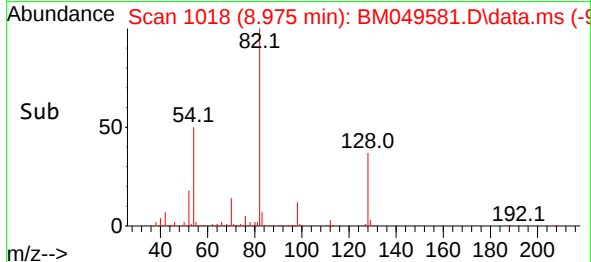
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BNA_M
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LOQ-SOIL-02-QT1-2025



Tgt Ion: 82 Resp: 1003260
Ion Ratio Lower Upper
82 100
128 36.6 31.6 47.4
54 50.5 39.4 59.0

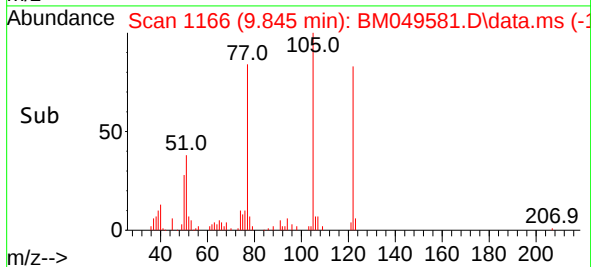
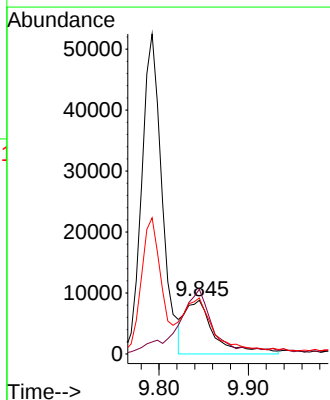
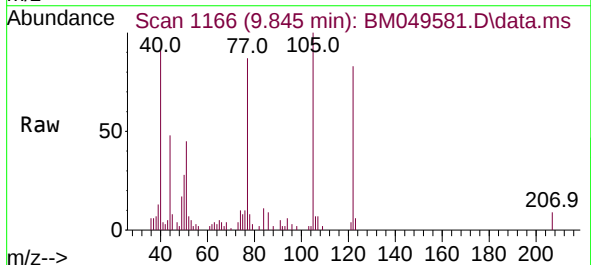
Manual Integrations
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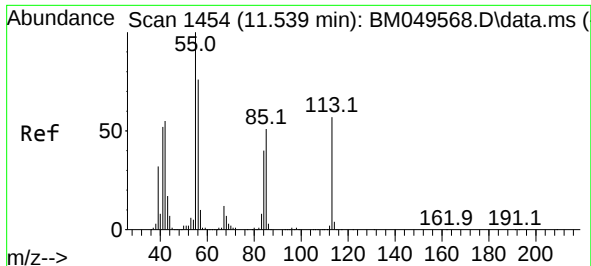
Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025



#32
Benzoic acid
Concen: 10.000 ng m
RT: 9.845 min Scan# 1166
Delta R.T. -0.059 min
Lab File: BM049581.D
Acq: 06 Feb 2025 15:16

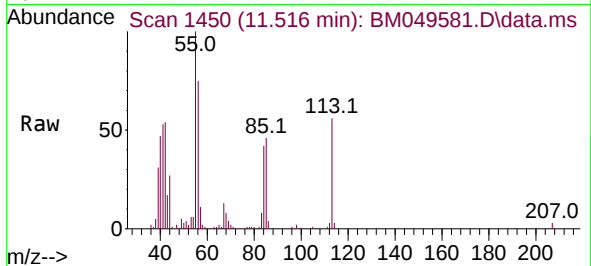
Tgt Ion:122 Resp: 20299
Ion Ratio Lower Upper
122 100
105 120.8 103.6 143.6
77 104.7 82.4 122.4





#35
Caprolactam
Concen: 7.823 ng
RT: 11.516 min Scan# 1450
Delta R.T. -0.024 min
Lab File: BM049581.D
Acq: 06 Feb 2025 15:16

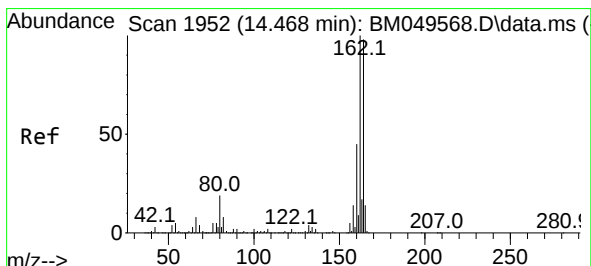
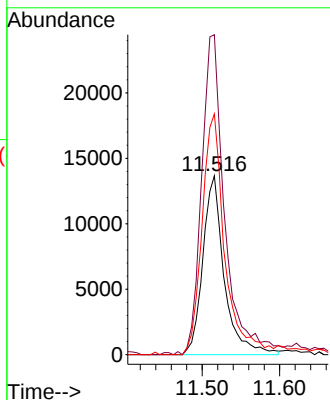
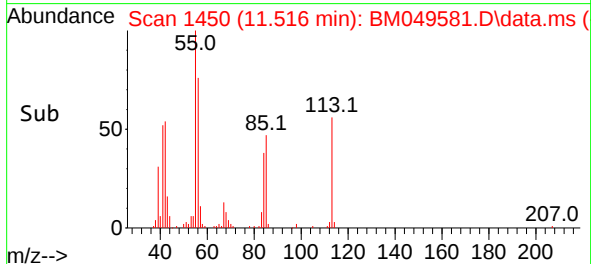
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2025



Tgt Ion:113 Resp: 26198
Ion Ratio Lower Upper
113 100
55 178.9 157.5 197.5
56 134.7 114.6 154.6

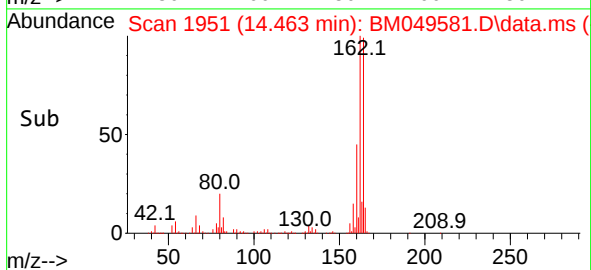
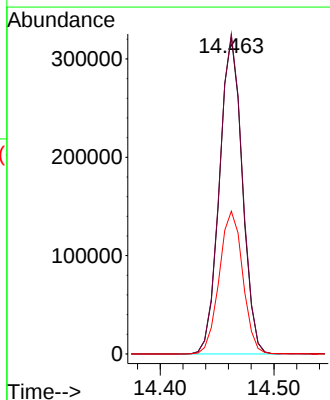
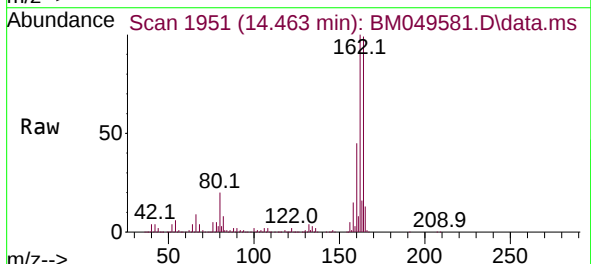
Manual Integrations
APPROVED

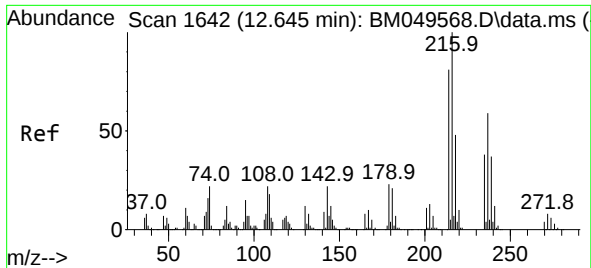
Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.463 min Scan# 1951
Delta R.T. -0.006 min
Lab File: BM049581.D
Acq: 06 Feb 2025 15:16

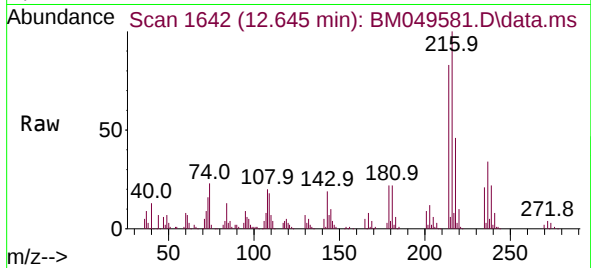
Tgt Ion:164 Resp: 448375
Ion Ratio Lower Upper
164 100
162 100.9 81.4 122.0
160 45.0 36.2 54.4





#41
Hexachlorocyclopentadiene
Concen: 9.121 ng
RT: 12.645 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049581.D
Acq: 06 Feb 2025 15:16

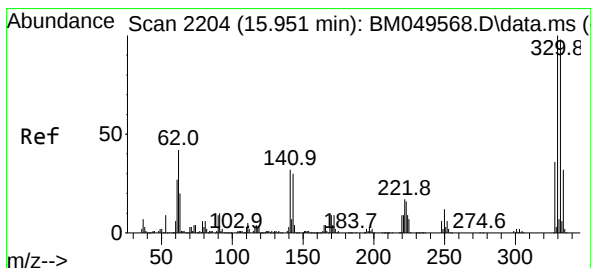
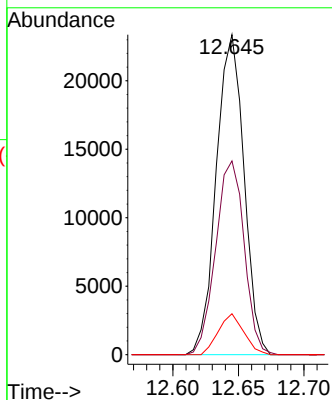
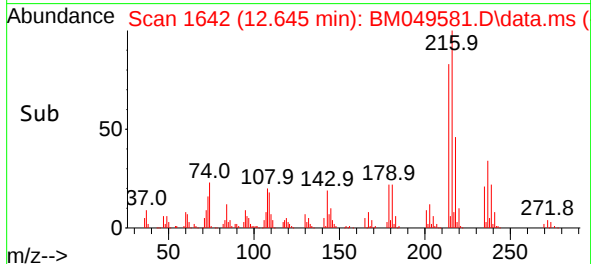
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2025



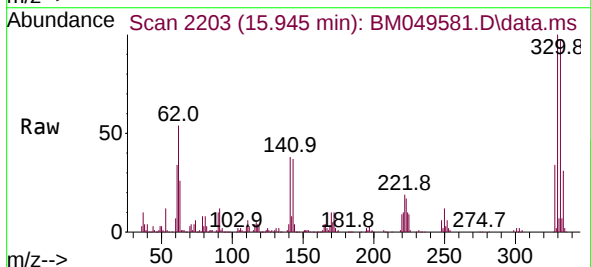
Tgt Ion:237 Resp: 34324
Ion Ratio Lower Upper
237 100
235 60.6 43.8 83.8
272 12.8 0.0 33.5

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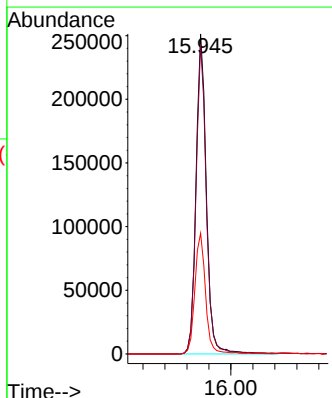
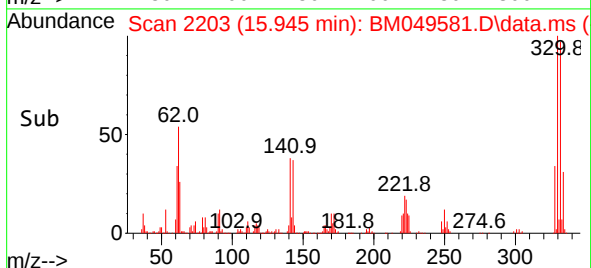
Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025

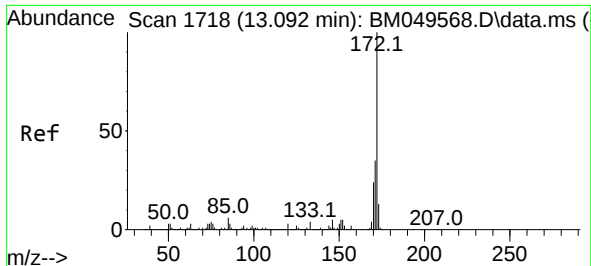


#42
2,4,6-Tribromophenol
Concen: 61.967 ng
RT: 15.945 min Scan# 2203
Delta R.T. -0.006 min
Lab File: BM049581.D
Acq: 06 Feb 2025 15:16



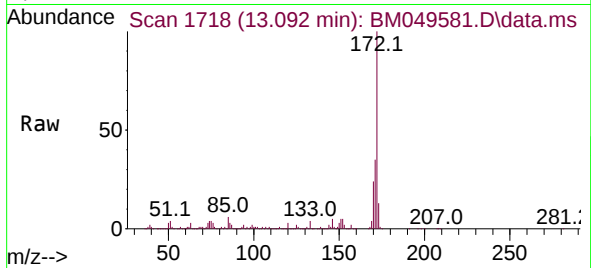
Tgt Ion:330 Resp: 329224
Ion Ratio Lower Upper
330 100
332 96.1 77.3 115.9
141 39.2 28.2 42.2





#45
2-Fluorobiphenyl
Concen: 68.796 ng
RT: 13.092 min Scan# 1718
Delta R.T. 0.000 min
Lab File: BM049581.D
Acq: 06 Feb 2025 15:16

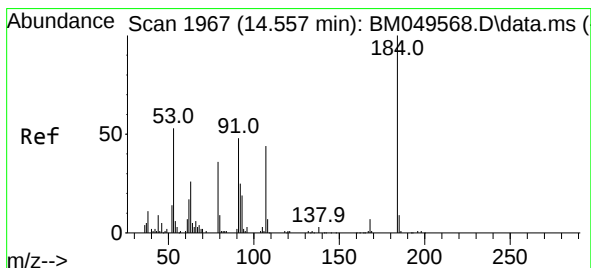
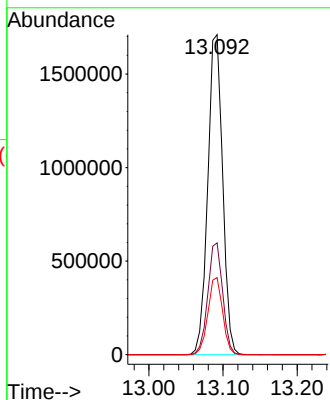
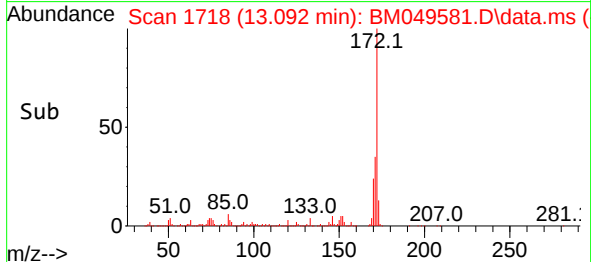
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2025



Tgt Ion:172 Resp: 2381114
Ion Ratio Lower Upper
172 100
171 34.9 28.0 42.0
170 24.1 19.0 28.4

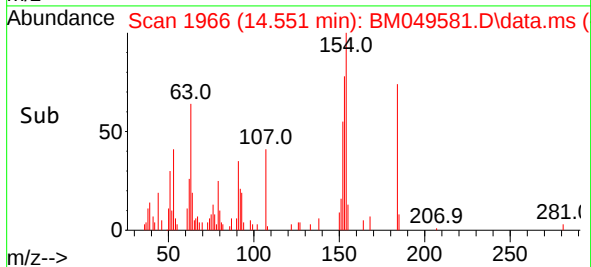
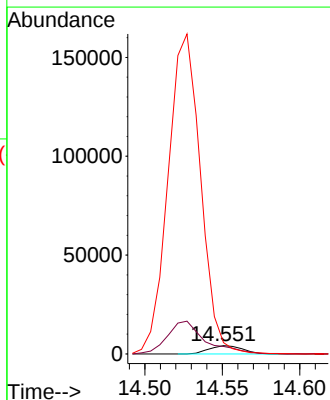
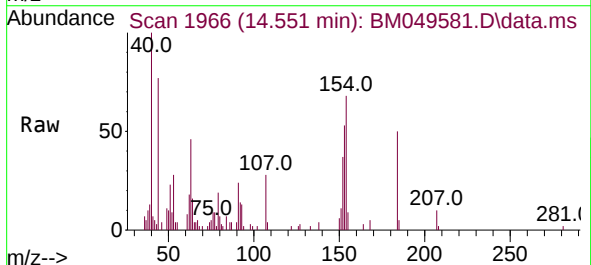
Manual Integrations
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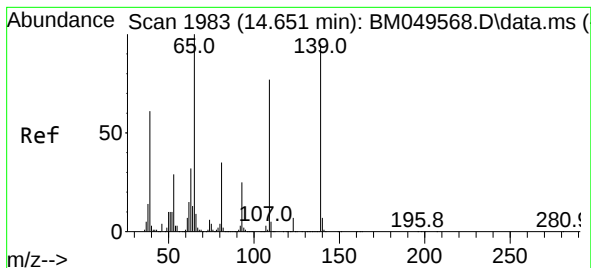
Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025



#54
2,4-Dinitrophenol
Concen: 9.487 ng
RT: 14.551 min Scan# 1966
Delta R.T. -0.006 min
Lab File: BM049581.D
Acq: 06 Feb 2025 15:16

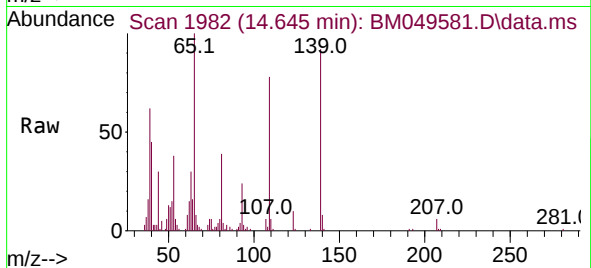
Tgt Ion:184 Resp: 6308
Ion Ratio Lower Upper
184 100
63 90.8 60.2 90.4#
154 135.3 78.2 117.4#





#56
4-Nitrophenol
Concen: 6.340 ng
RT: 14.645 min Scan# 1983
Delta R.T. -0.006 min
Lab File: BM049581.D
Acq: 06 Feb 2025 15:16

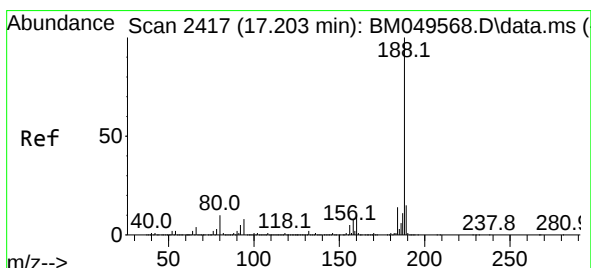
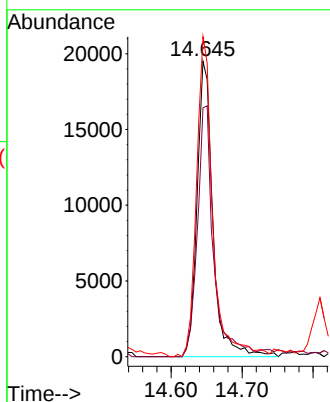
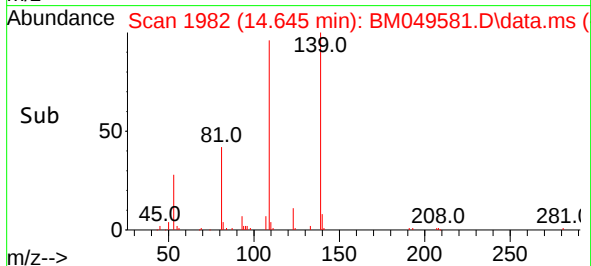
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2025



Tgt Ion:139 Resp: 30310
Ion Ratio Lower Upper
139 100
109 84.2 61.4 101.4
65 108.3 85.6 125.6

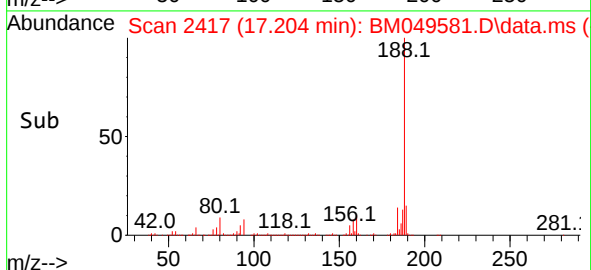
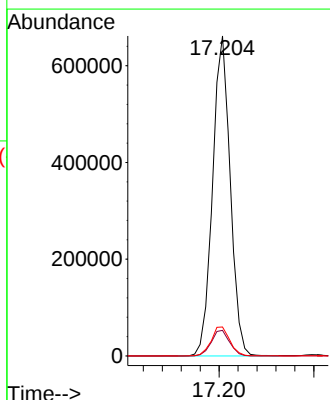
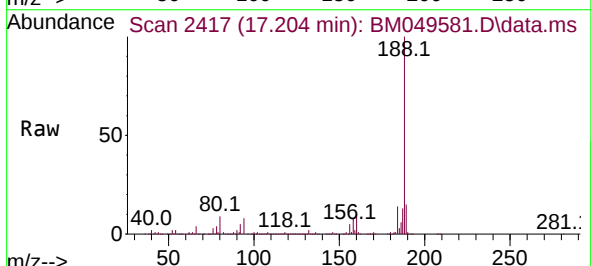
Manual Integrations
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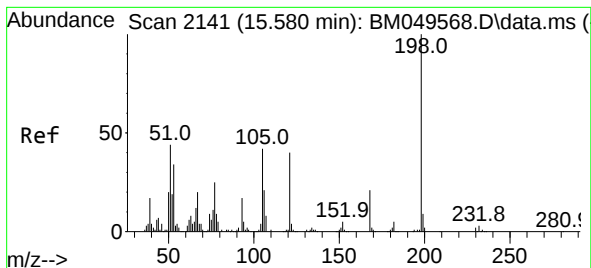
Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.204 min Scan# 2417
Delta R.T. 0.000 min
Lab File: BM049581.D
Acq: 06 Feb 2025 15:16

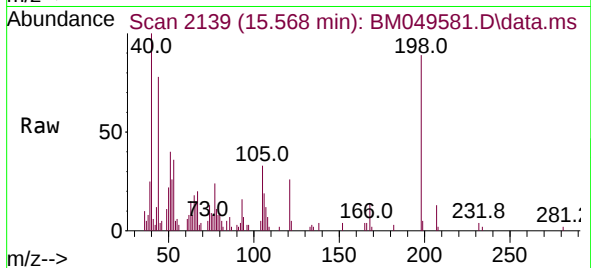
Tgt Ion:188 Resp: 855333
Ion Ratio Lower Upper
188 100
94 8.0 6.7 10.1
80 9.1 7.7 11.5





#65
4,6-Dinitro-2-methylphenol
Concen: 9.791 ng
RT: 15.568 min Scan# 2141
Delta R.T. -0.012 min
Lab File: BM049581.D
Acq: 06 Feb 2025 15:16

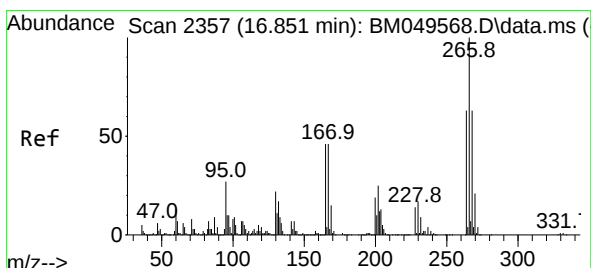
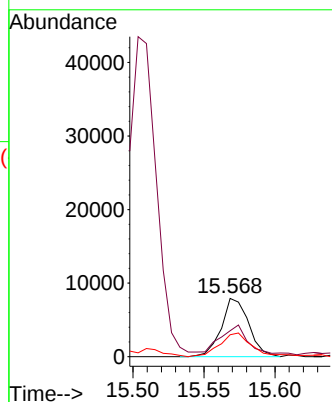
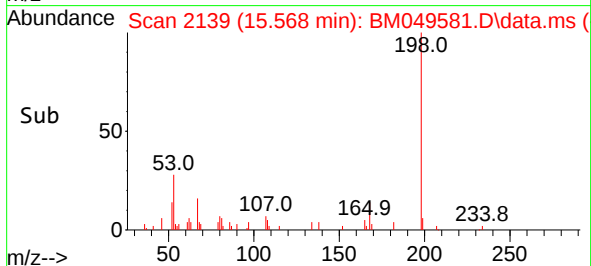
Instrument :
BNA_M
ClientSampleId :
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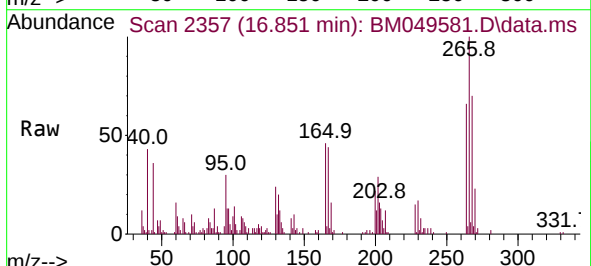
Tgt Ion:198 Resp: 1063
Ion Ratio Lower Upper
198 100
51 44.5 26.9 66.9
105 37.6 22.8 62.8

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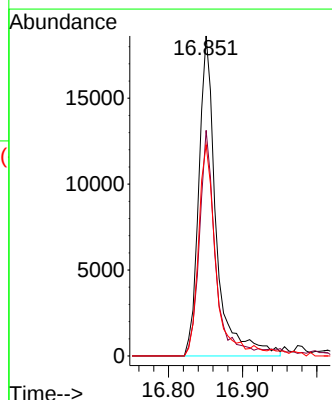
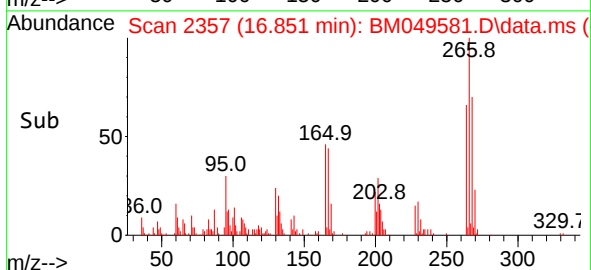
Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025

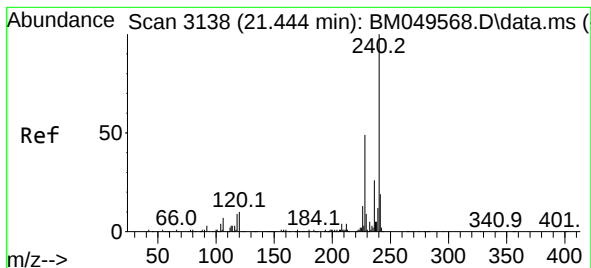


#70
Pentachlorophenol
Concen: 11.285 ng
RT: 16.851 min Scan# 2357
Delta R.T. 0.000 min
Lab File: BM049581.D
Acq: 06 Feb 2025 15:16



Tgt Ion:266 Resp: 30433
Ion Ratio Lower Upper
266 100
268 70.5 50.8 76.2
264 66.0 50.0 75.0





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.439 min Scan# 31

Delta R.T. -0.006 min

Lab File: BM049581.D

Acq: 06 Feb 2025 15:16

Instrument :

BNA_M

ClientSampleId :

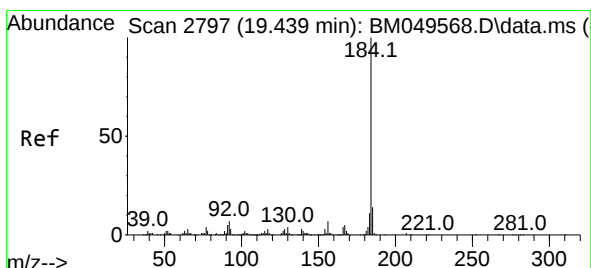
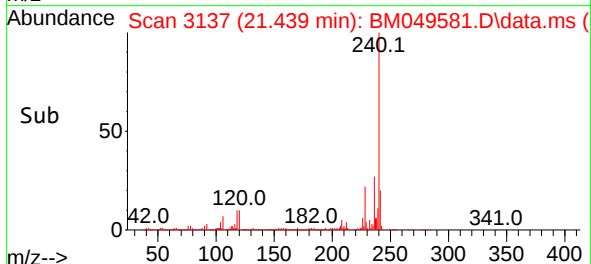
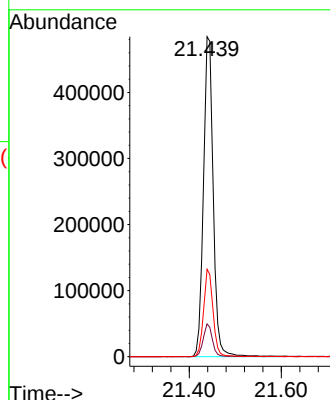
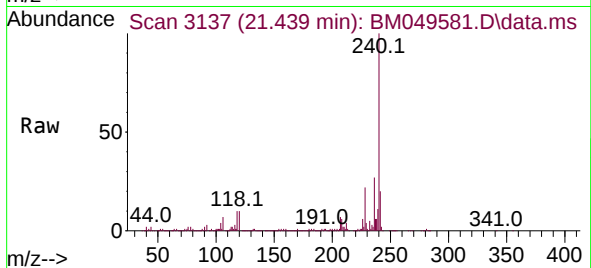
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Tgt Ion:240 Resp: 719312
 Ion Ratio Lower Upper
 240 100
 120 10.2 7.8 11.8
 236 27.3 20.6 31.0

Manual Integrations

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Reviewed By :Jagrut Upadhyay 02/07/2025
 Supervised By :mohammad ahmed 02/07/2025



#77

Benzidine

Concen: 12.855 ng

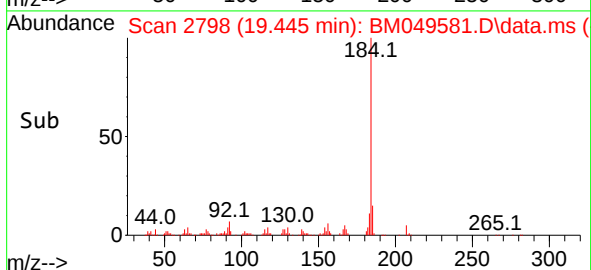
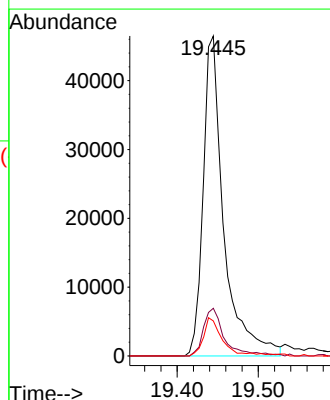
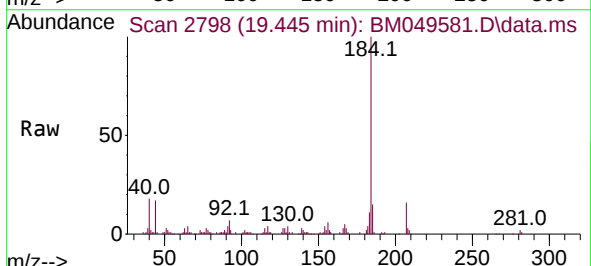
RT: 19.445 min Scan# 2798

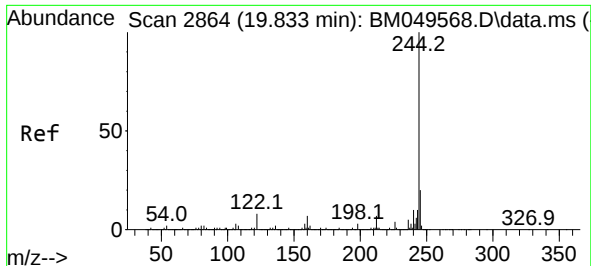
Delta R.T. 0.006 min

Lab File: BM049581.D

Acq: 06 Feb 2025 15:16

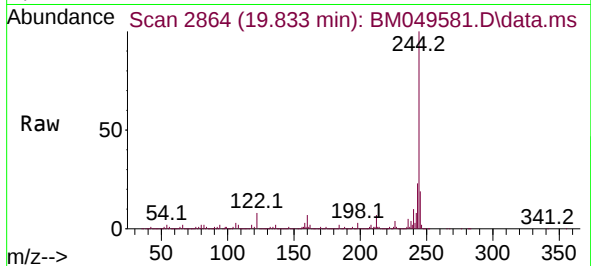
Tgt Ion:184 Resp: 81883
 Ion Ratio Lower Upper
 184 100
 185 14.9 11.6 17.4
 183 10.9 8.9 13.3





#79
 Terphenyl-d14
 Concen: 77.774 ng
 RT: 19.833 min Scan# 2864
 Delta R.T. 0.000 min
 Lab File: BM049581.D
 Acq: 06 Feb 2025 15:16

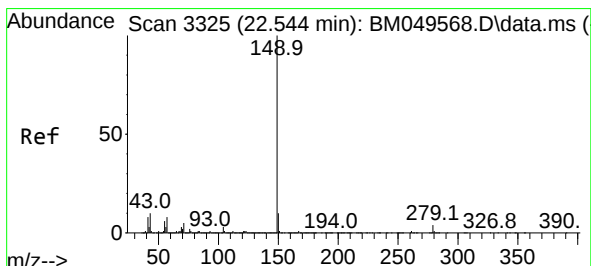
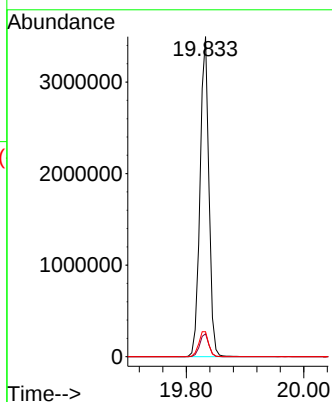
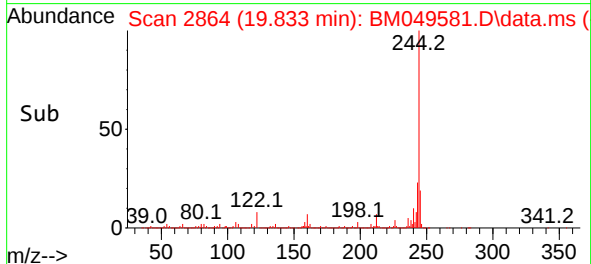
Instrument :
 BNA_M
 ClientSampleId :
 LOQ-SOIL-02-QT1-2025



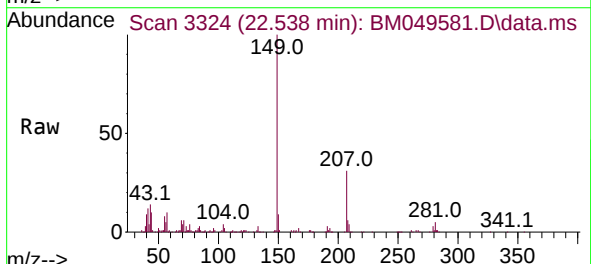
Tgt Ion:244 Resp: 366352
 Ion Ratio Lower Upper
 244 100
 212 7.1 5.8 8.6
 122 7.8 6.2 9.2

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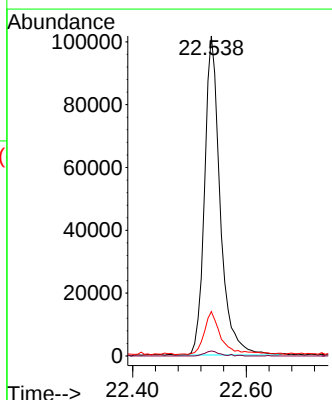
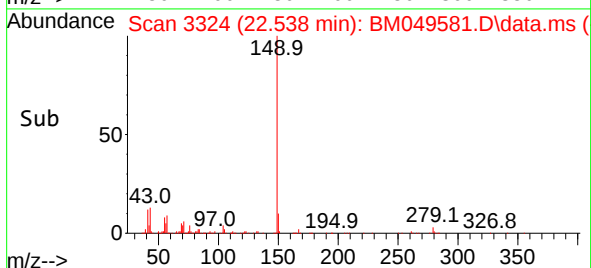
Reviewed By :Jagrut Upadhyay 02/07/2025
 Supervised By :mohammad ahmed 02/07/2025

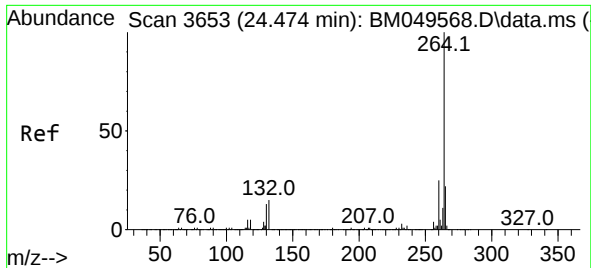


#85
 Di-n-octyl phthalate
 Concen: 4.256 ng
 RT: 22.538 min Scan# 3324
 Delta R.T. -0.006 min
 Lab File: BM049581.D
 Acq: 06 Feb 2025 15:16



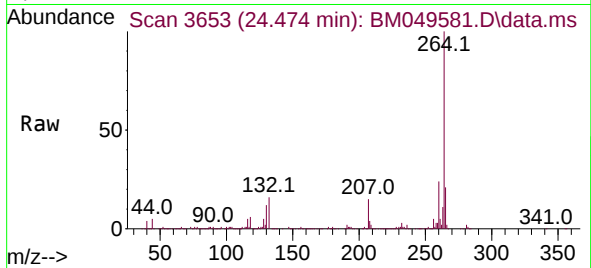
Tgt Ion:149 Resp: 192892
 Ion Ratio Lower Upper
 149 100
 167 1.4 1.2 1.8
 43 14.6 8.5 12.7#





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.474 min Scan# 30
 Delta R.T. 0.000 min
 Lab File: BM049581.D
 Acq: 06 Feb 2025 15:16

Instrument :
 BNA_M
 ClientSampleId :
 LOQ-SOIL-02-QT1-2025



Tgt Ion:264 Resp: 599002
 Ion Ratio Lower Upper
 264 100
 260 24.1 19.8 29.6
 265 21.2 17.5 26.3

Manual Integrations
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Reviewed By :Jagrut Upadhyay 02/07/2025
 Supervised By :mohammad ahmed 02/07/2025

