

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM020625\
 Data File : BM049579.D
 Acq On : 06 Feb 2025 13:19
 Operator : RC/JU
 Sample : Q1168-02
 Misc : LOQ-SOIL 5PPM
 ALS Vial : 6 Sample Multiplier: 1

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

Quant Time: Feb 06 13:51:39 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

Manual Integrations
 APPROVED

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

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.822	152	152376	20.000	ng	0.00
21) Naphthalene-d8	10.622	136	565641	20.000	ng	0.00
39) Acenaphthene-d10	14.463	164	342536	20.000	ng	0.00
64) Phenanthrene-d10	17.204	188	648790	20.000	ng	0.00
76) Chrysene-d12	21.445	240	540612	20.000	ng	0.00
86) Perylene-d12	24.474	264	455366	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.393	112	1371205	144.709	ng	0.00
7) Phenol-d6	6.981	99	1774865	142.971	ng	0.00
23) Nitrobenzene-d5	8.975	82	1186468	107.893	ng	0.00
42) 2,4,6-Tribromophenol	15.945	330	578896	142.628	ng	0.00
45) 2-Fluorobiphenyl	13.092	172	2914074	110.209	ng	0.00
79) Terphenyl-d14	19.833	244	4601043	129.963	ng	0.00
Target Compounds						Qvalue
4) n-Nitrosodimethylamine	3.599	42	52755	10.185	ng	# 87
9) Benzaldehyde	6.957	77	93903	14.286	ng	97
15) Benzyl Alcohol	8.057	79	71060	8.228	ng	97
20) 3+4-Methylphenols	8.587	107	84193	8.530	ng	97
32) Benzoic acid	9.834	122	13385m	9.210	ng	
35) Caprolactam	11.510	113	18491	7.019	ng	# 83
41) Hexachlorocyclopentadiene	12.645	237	19987	6.952	ng	94
54) 2,4-Dinitrophenol	14.551	184	4402	8.896	ng	# 68
56) 4-Nitrophenol	14.645	139	18743	5.130	ng	95
65) 4,6-Dinitro-2-methylph...	15.574	198	7259	9.237	ng	96
70) Pentachlorophenol	16.851	266	21839	11.093	ng	93
77) Benzidine	19.445	184	47555	9.933	ng	98
85) Di-n-octyl phthalate	22.539	149	135741	3.985	ng	# 93

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

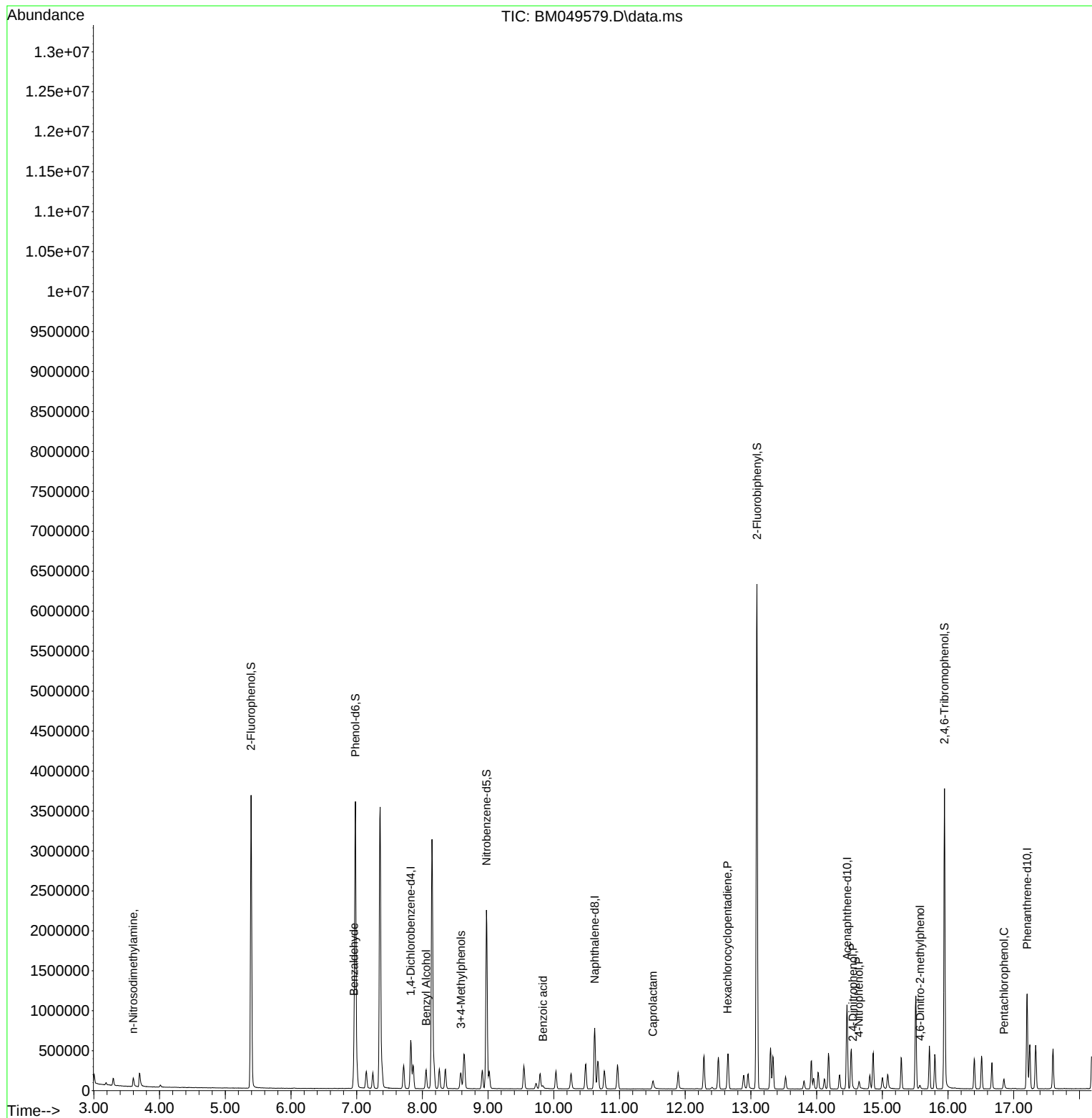
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Data File : BM049579.D
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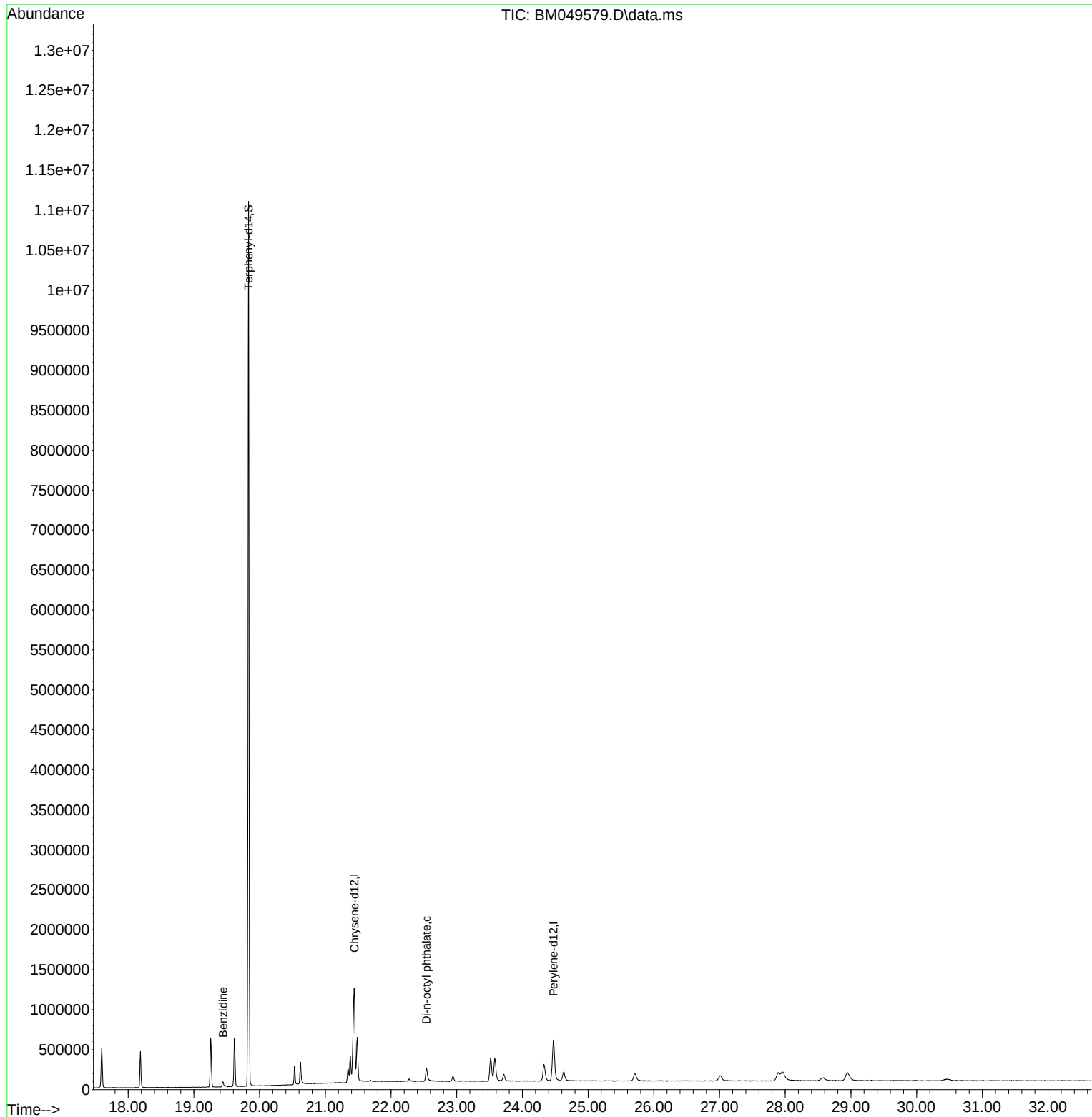
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Data File : BM049579.D
Acq On : 06 Feb 2025 13:19
Operator : RC/JU
Sample : Q1168-02
Misc : LOQ-SOIL 5PPM
ALS Vial : 6 Sample Multiplier: 1

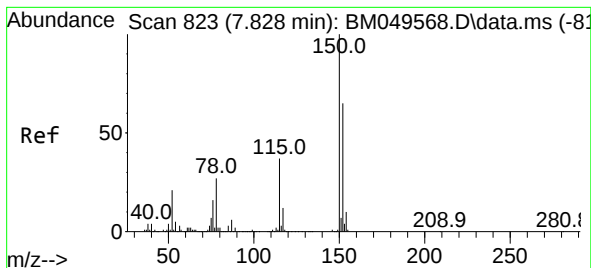
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BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2025

Quant Time: Feb 06 13:51:39 2025
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 11:55:12 2025
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Manual Integrations
APPROVED

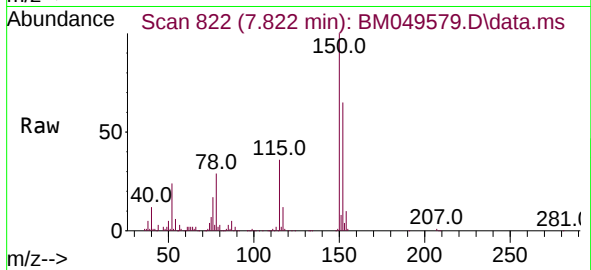
Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.822 min Scan# 81
Delta R.T. -0.006 min
Lab File: BM049579.D
Acq: 06 Feb 2025 13:19

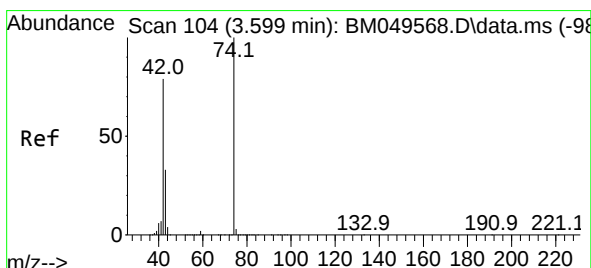
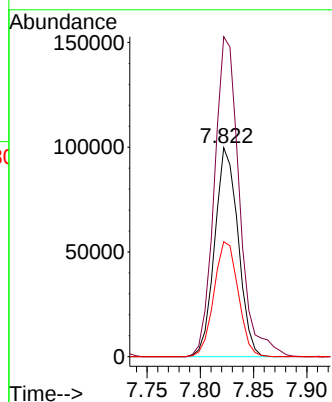
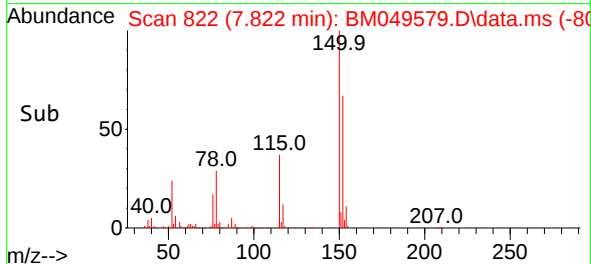
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2025



Tgt Ion:152 Resp: 152370
Ion Ratio Lower Upper
152 100
150 153.1 122.6 184.0
115 55.1 45.4 68.0

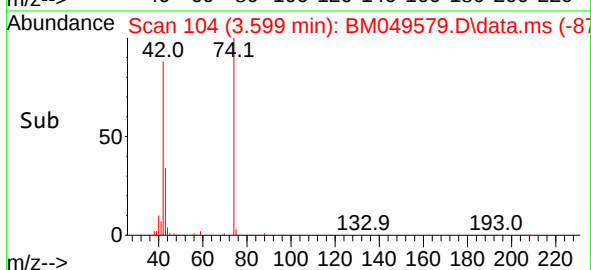
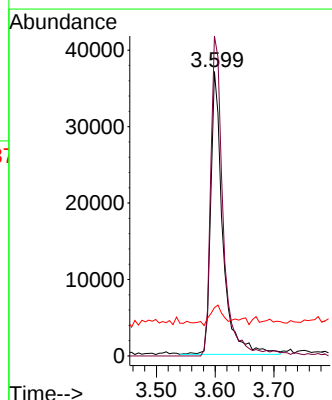
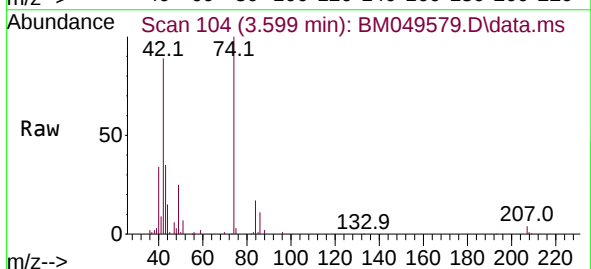
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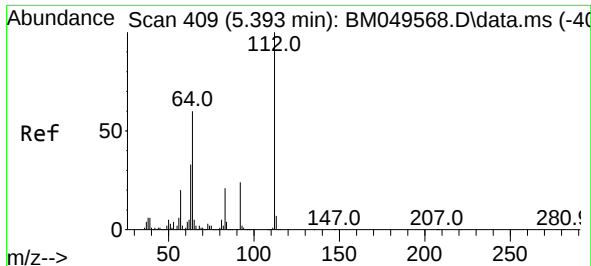
Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025



#4
n-Nitrosodimethylamine
Concen: 10.185 ng
RT: 3.599 min Scan# 104
Delta R.T. 0.000 min
Lab File: BM049579.D
Acq: 06 Feb 2025 13:19

Tgt Ion: 42 Resp: 52755
Ion Ratio Lower Upper
42 100
74 112.5 101.3 151.9
44 17.0 6.5 9.7#





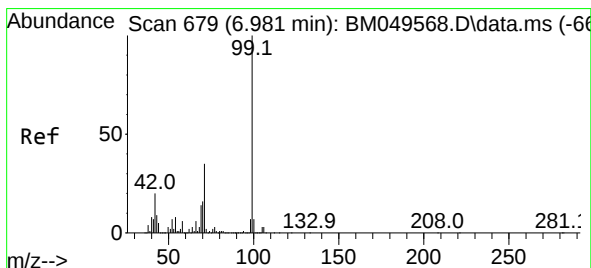
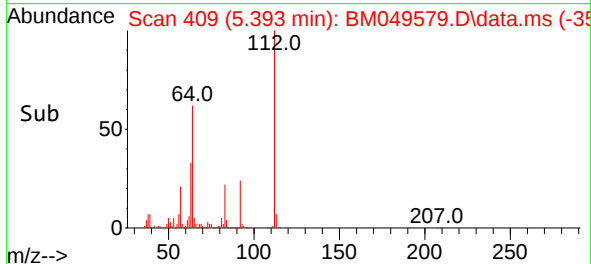
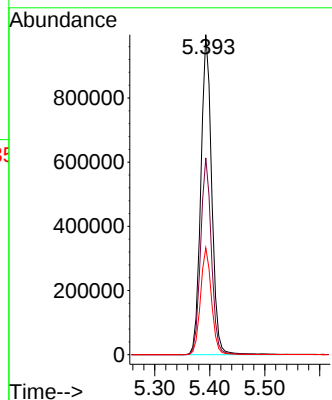
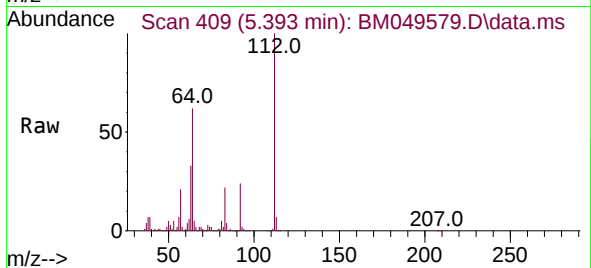
#5
2-Fluorophenol
Concen: 144.709 ng
RT: 5.393 min Scan# 409
Delta R.T. 0.000 min
Lab File: BM049579.D
Acq: 06 Feb 2025 13:19

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

Tgt Ion:112 Resp: 1371209
Ion Ratio Lower Upper
112 100
64 61.5 47.8 71.8
63 33.4 26.2 39.4

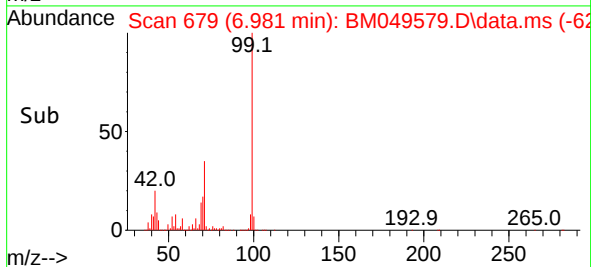
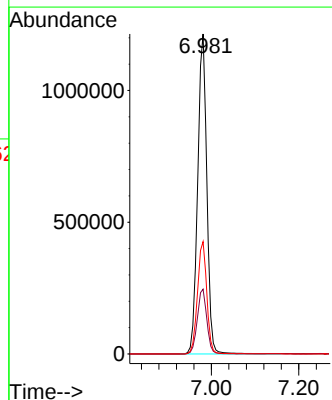
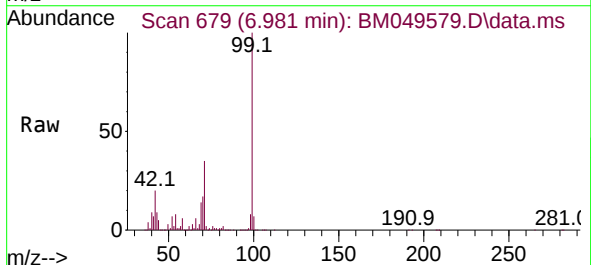
Manual Integrations
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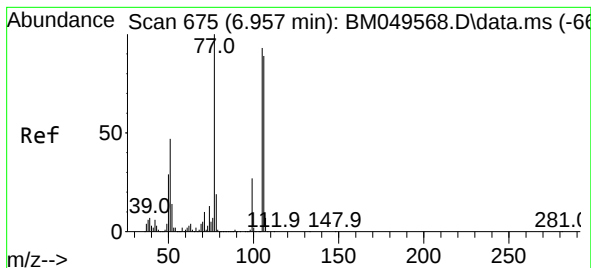
Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025



#7
Phenol-d6
Concen: 142.971 ng
RT: 6.981 min Scan# 679
Delta R.T. 0.000 min
Lab File: BM049579.D
Acq: 06 Feb 2025 13:19

Tgt Ion: 99 Resp: 1774865
Ion Ratio Lower Upper
99 100
42 20.2 16.0 24.0
71 35.1 27.8 41.6





#9

Benzaldehyde

Concen: 14.286 ng

RT: 6.957 min Scan# 675

Delta R.T. 0.000 min

Lab File: BM049579.D

Acq: 06 Feb 2025 13:19

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT1-2025

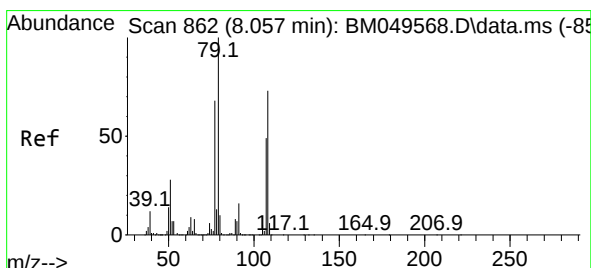
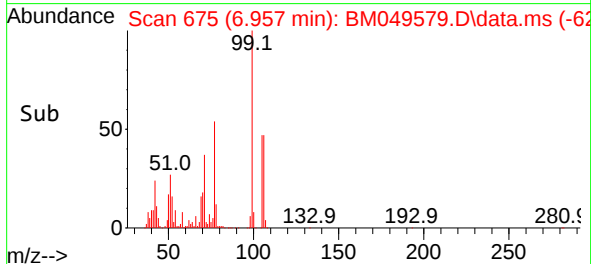
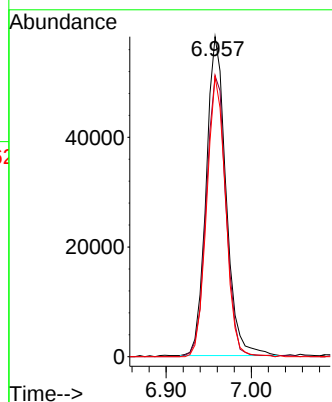
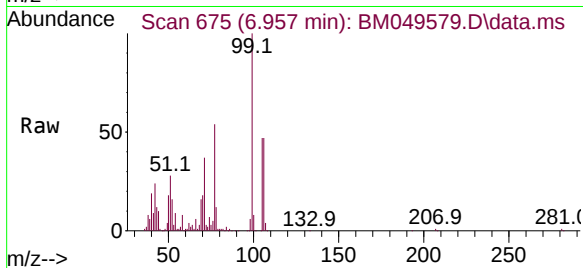
Tgt Ion: 77 Resp: 9390

Ion	Ratio	Lower	Upper
77	100		
105	87.8	72.7	112.7
106	87.6	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: 8.228 ng

RT: 8.057 min Scan# 862

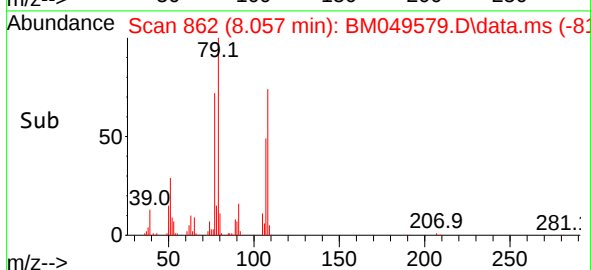
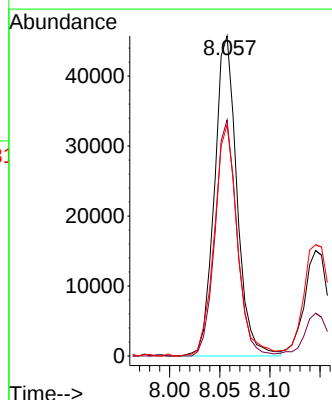
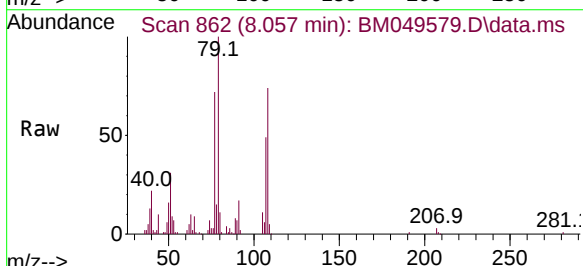
Delta R.T. 0.000 min

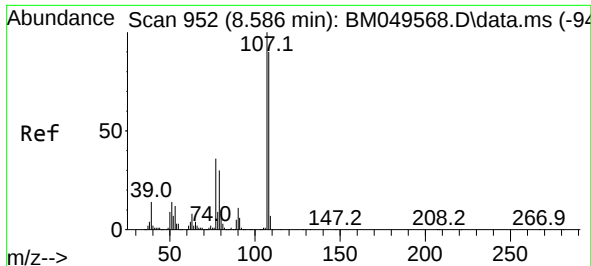
Lab File: BM049579.D

Acq: 06 Feb 2025 13:19

Tgt Ion: 79 Resp: 71060

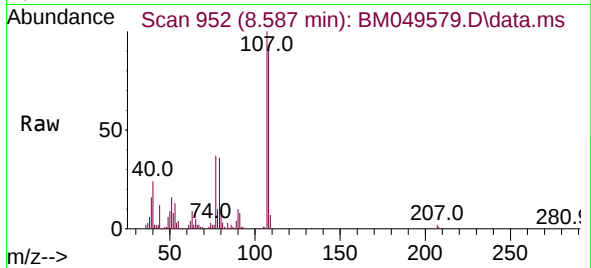
Ion	Ratio	Lower	Upper
79	100		
108	73.7	58.6	88.0
77	72.2	54.0	81.0





#20
3+4-Methylphenols
Concen: 8.530 ng
RT: 8.587 min Scan# 91
Delta R.T. 0.000 min
Lab File: BM049579.D
Acq: 06 Feb 2025 13:19

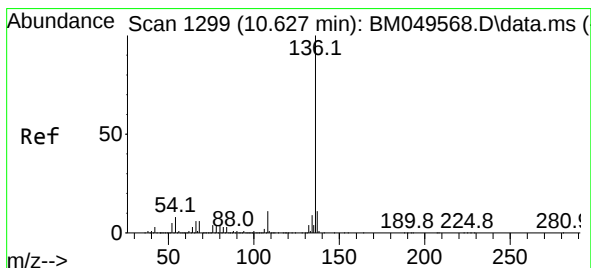
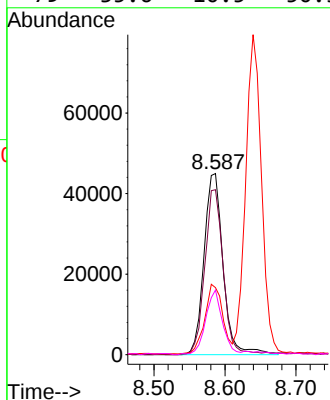
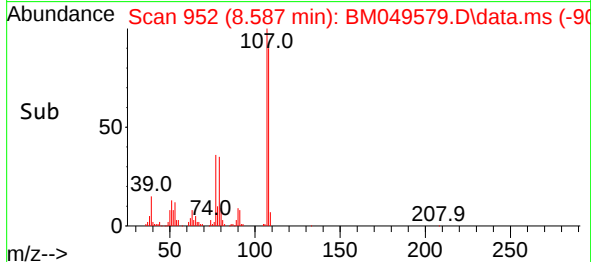
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2025



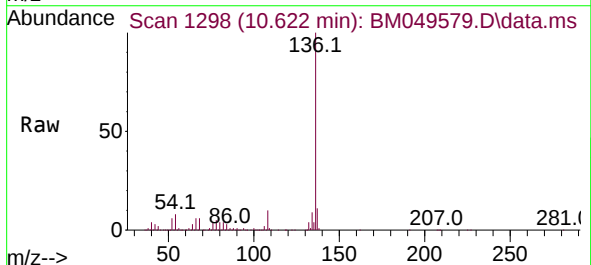
Tgt Ion:107 Resp: 8419
Ion Ratio Lower Upper
107 100
108 91.1 69.6 109.6
77 37.1 16.0 56.0
79 35.6 10.5 50.5

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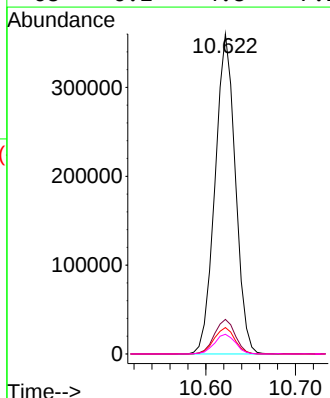
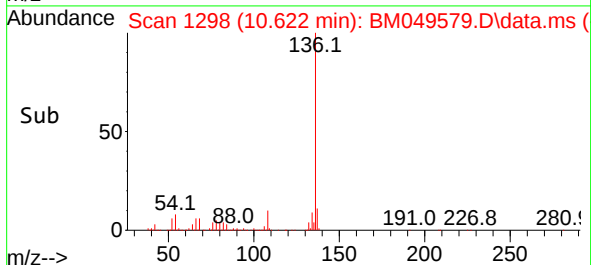
Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025

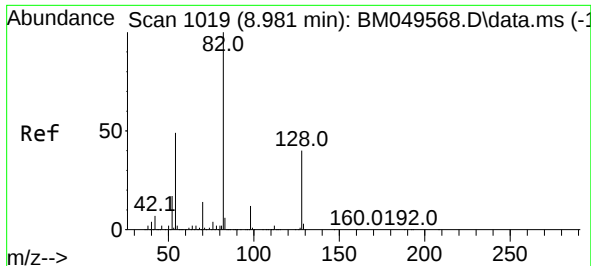


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.622 min Scan# 1298
Delta R.T. -0.006 min
Lab File: BM049579.D
Acq: 06 Feb 2025 13:19



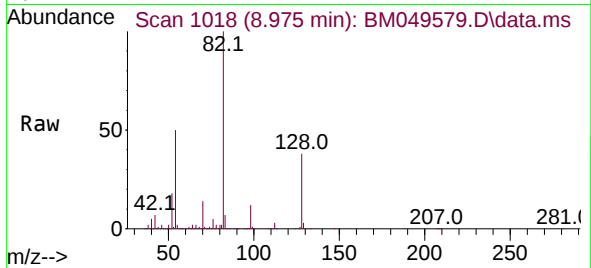
Tgt Ion:136 Resp: 565641
Ion Ratio Lower Upper
136 100
137 10.8 8.6 13.0
54 8.3 6.6 10.0
68 6.2 4.8 7.2





#23
Nitrobenzene-d5
Concen: 107.893 ng
RT: 8.975 min Scan# 1019
Delta R.T. -0.006 min
Lab File: BM049579.D
Acq: 06 Feb 2025 13:19

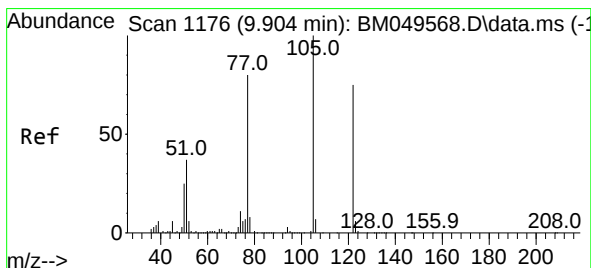
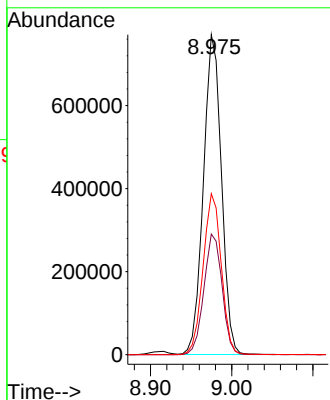
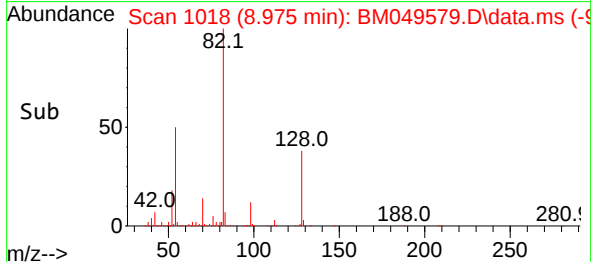
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2025



Tgt Ion: 82 Resp: 118646
Ion Ratio Lower Upper
82 100
128 37.7 31.6 47.4
54 50.3 39.4 59.0

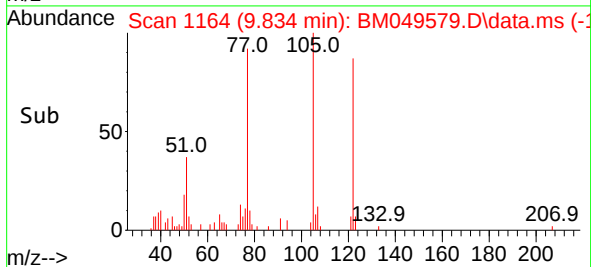
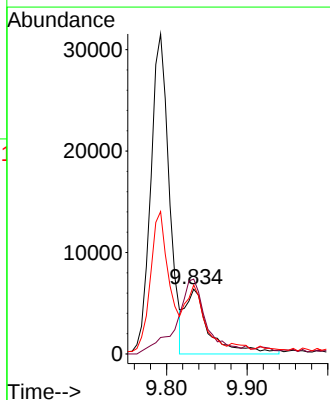
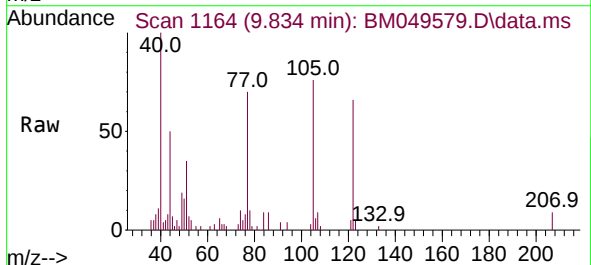
Manual Integrations
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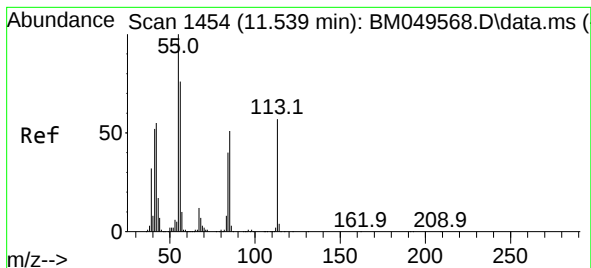
Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025



#32
Benzoic acid
Concen: 9.210 ng m
RT: 9.834 min Scan# 1164
Delta R.T. -0.070 min
Lab File: BM049579.D
Acq: 06 Feb 2025 13:19

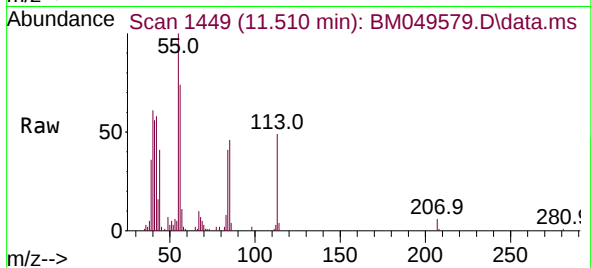
Tgt Ion:122 Resp: 13385
Ion Ratio Lower Upper
122 100
105 115.5 103.6 143.6
77 106.2 82.4 122.4





#35
Caprolactam
Concen: 7.019 ng
RT: 11.510 min Scan# 1449
Delta R.T. -0.029 min
Lab File: BM049579.D
Acq: 06 Feb 2025 13:19

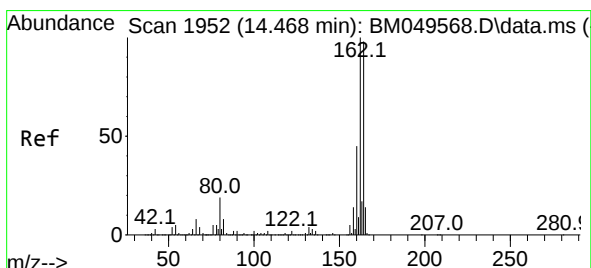
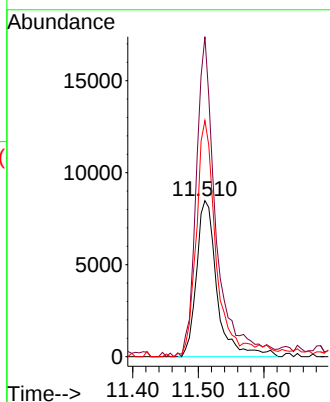
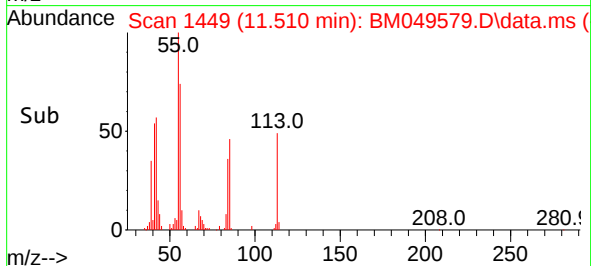
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2025



Tgt Ion:113 Resp: 1849
Ion Ratio Lower Upper
113 100
55 205.1 157.5 197.5
56 151.4 114.6 154.6

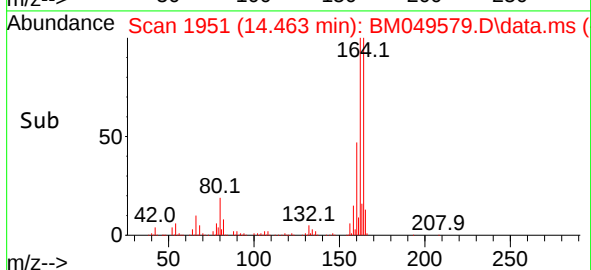
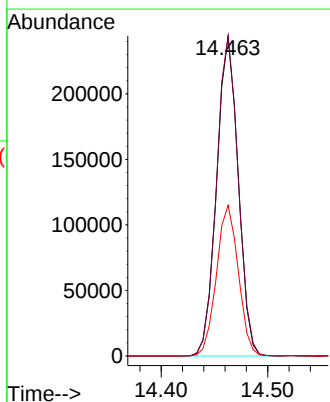
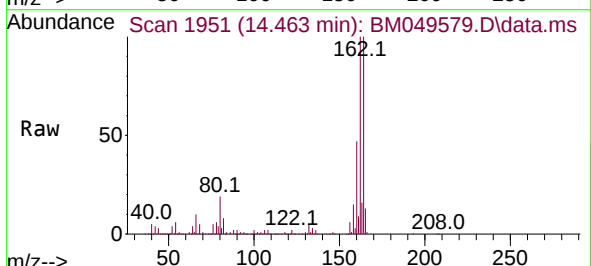
Manual Integrations
APPROVED

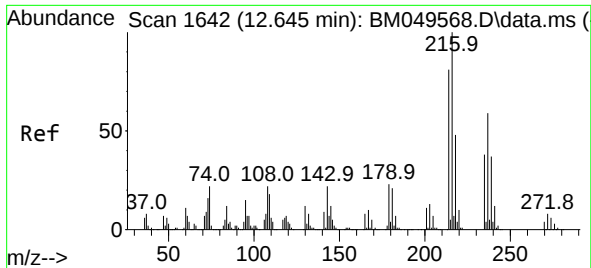
Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.463 min Scan# 1951
Delta R.T. -0.006 min
Lab File: BM049579.D
Acq: 06 Feb 2025 13:19

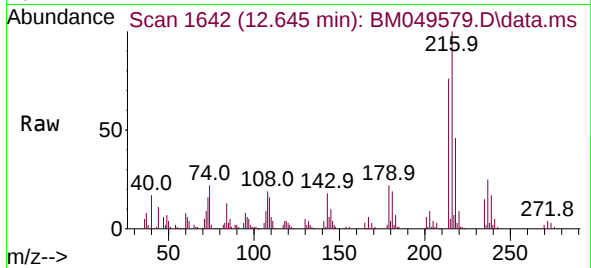
Tgt Ion:164 Resp: 342536
Ion Ratio Lower Upper
164 100
162 100.2 81.4 122.0
160 47.2 36.2 54.4





#41
Hexachlorocyclopentadiene
Concen: 6.952 ng
RT: 12.645 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049579.D
Acq: 06 Feb 2025 13:19

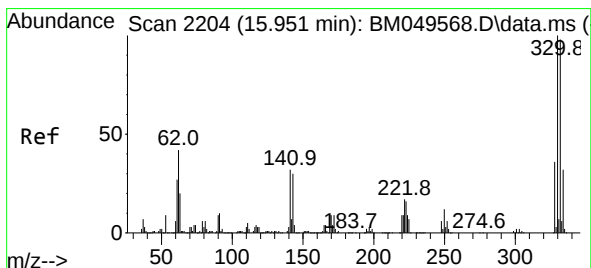
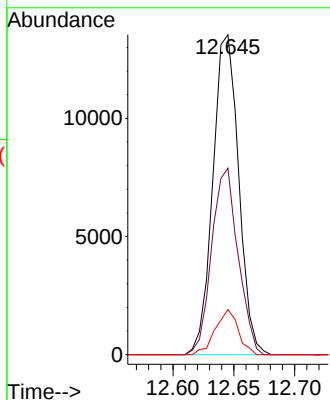
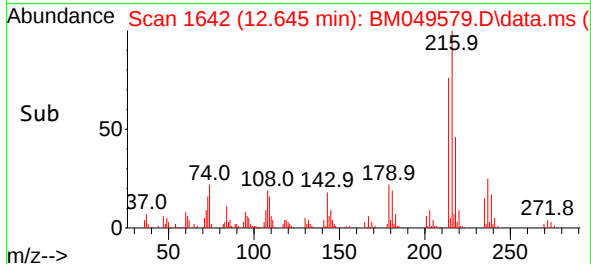
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2025



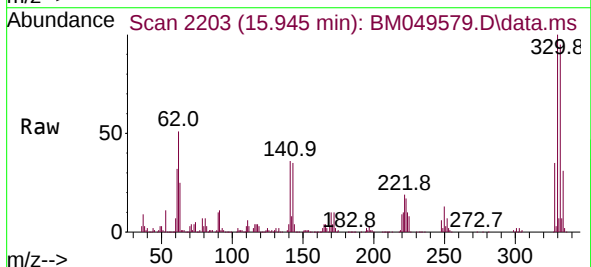
Tgt Ion:237 Resp: 1998
Ion Ratio Lower Upper
237 100
235 58.3 43.8 83.8
272 14.1 0.0 33.5

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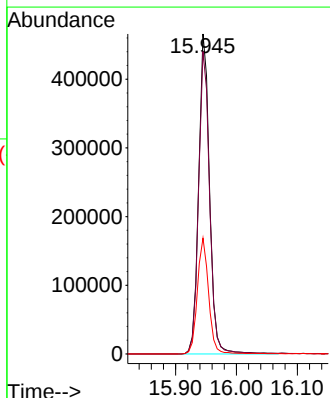
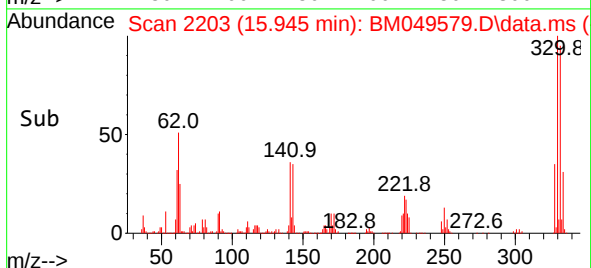
Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025

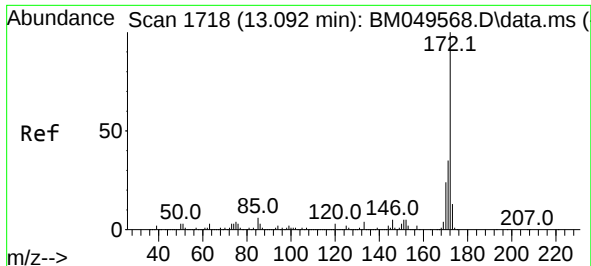


#42
2,4,6-Tribromophenol
Concen: 142.628 ng
RT: 15.945 min Scan# 2203
Delta R.T. -0.006 min
Lab File: BM049579.D
Acq: 06 Feb 2025 13:19



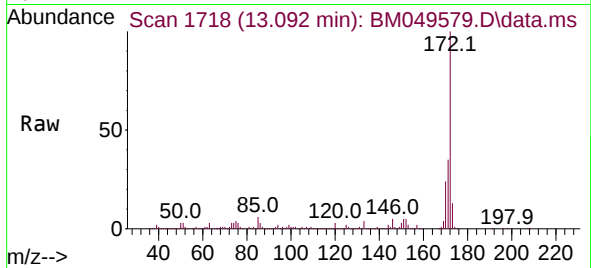
Tgt Ion:330 Resp: 578896
Ion Ratio Lower Upper
330 100
332 95.6 77.3 115.9
141 37.2 28.2 42.2





#45
2-Fluorobiphenyl
Concen: 110.209 ng
RT: 13.092 min Scan# 1718
Delta R.T. 0.000 min
Lab File: BM049579.D
Acq: 06 Feb 2025 13:19

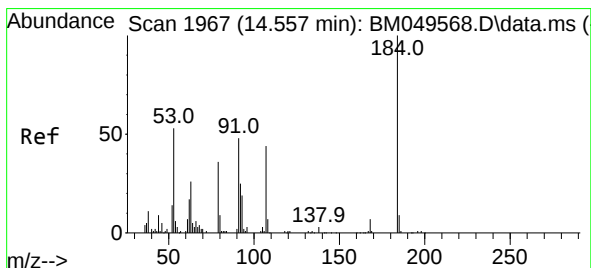
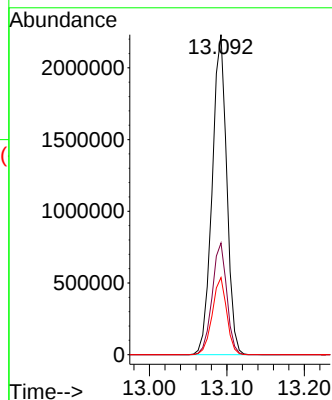
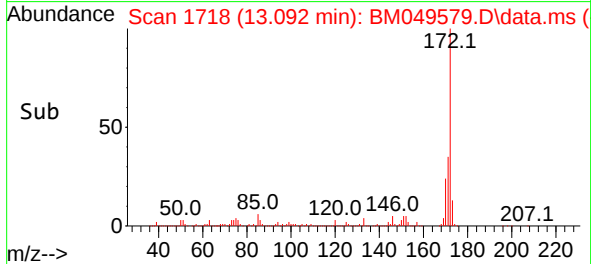
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2025



Tgt Ion:172 Resp: 2914074
Ion Ratio Lower Upper
172 100
171 34.9 28.0 42.0
170 24.1 19.0 28.4

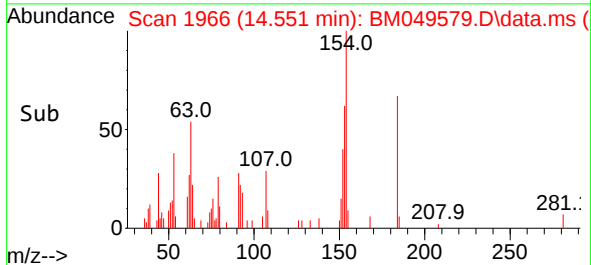
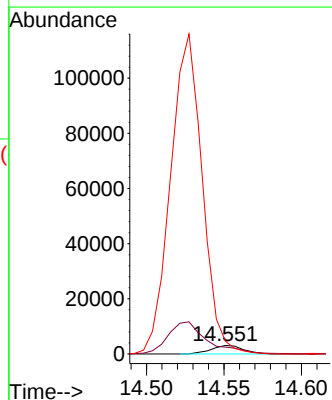
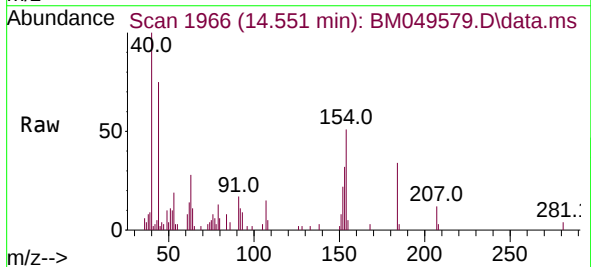
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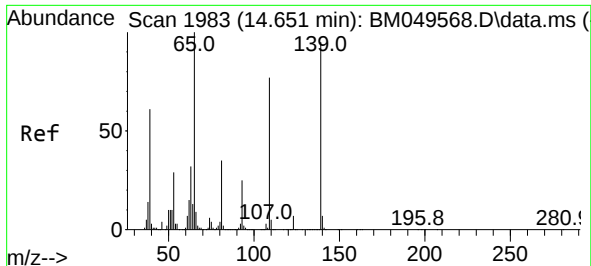
Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025



#54
2,4-Dinitrophenol
Concen: 8.896 ng
RT: 14.551 min Scan# 1966
Delta R.T. -0.006 min
Lab File: BM049579.D
Acq: 06 Feb 2025 13:19

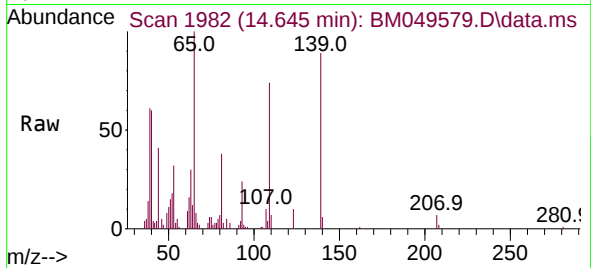
Tgt Ion:184 Resp: 4402
Ion Ratio Lower Upper
184 100
63 80.9 60.2 90.4
154 148.8 78.2 117.4#





#56
4-Nitrophenol
Concen: 5.130 ng
RT: 14.645 min Scan# 1983
Delta R.T. -0.006 min
Lab File: BM049579.D
Acq: 06 Feb 2025 13:19

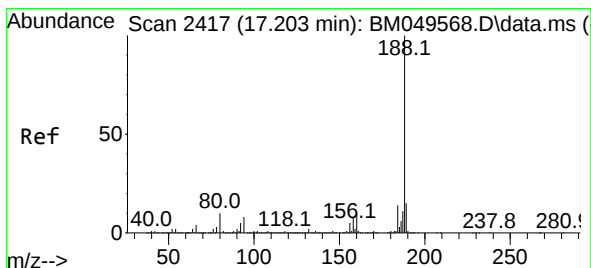
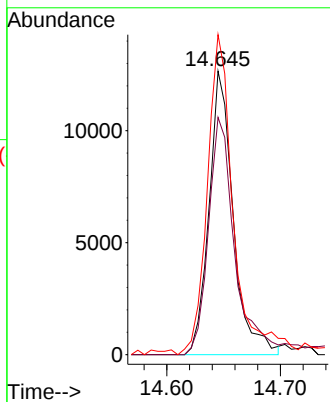
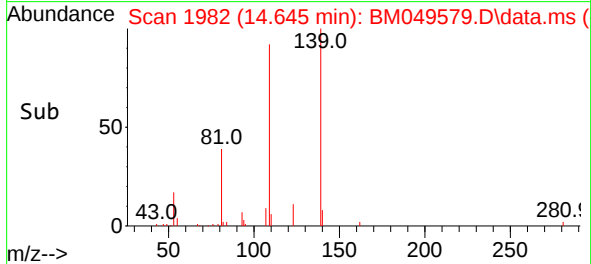
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2025



Tgt Ion:139 Resp: 1874
Ion Ratio Lower Upper
139 100
109 83.7 61.4 101.4
65 112.9 85.6 125.6

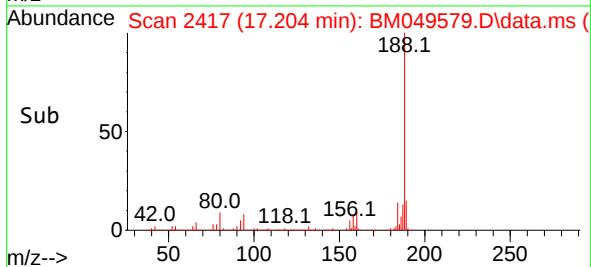
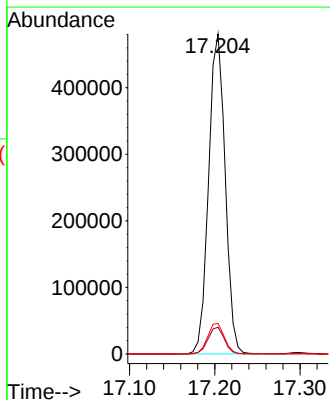
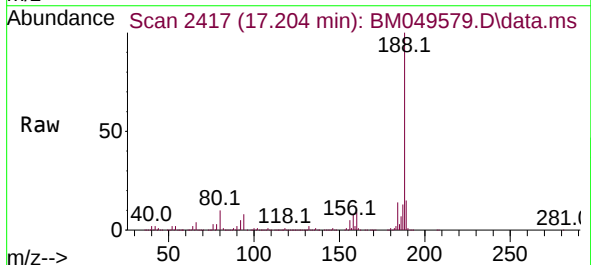
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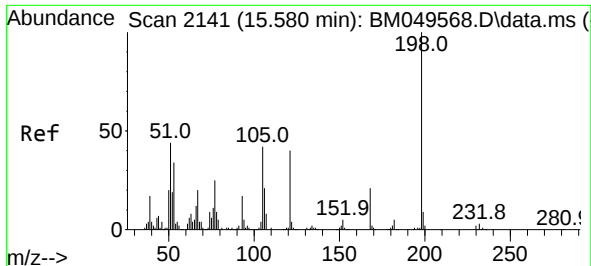
Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.204 min Scan# 2417
Delta R.T. 0.000 min
Lab File: BM049579.D
Acq: 06 Feb 2025 13:19

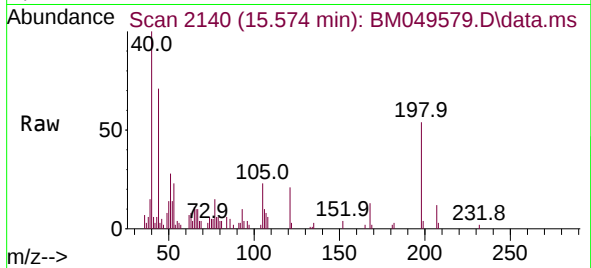
Tgt Ion:188 Resp: 648790
Ion Ratio Lower Upper
188 100
94 8.4 6.7 10.1
80 9.5 7.7 11.5





#65
4,6-Dinitro-2-methylphenol
Concen: 9.237 ng
RT: 15.574 min Scan# 2140
Delta R.T. -0.006 min
Lab File: BM049579.D
Acq: 06 Feb 2025 13:19

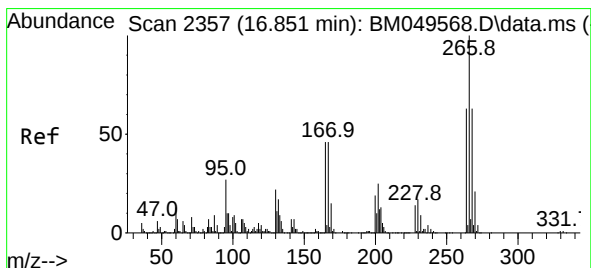
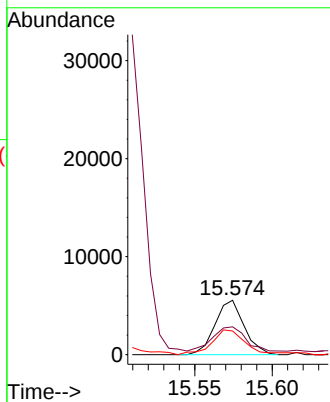
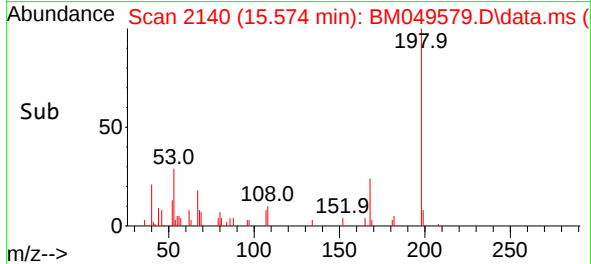
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2025



Tgt Ion:198 Resp: 7259
Ion Ratio Lower Upper
198 100
51 51.4 26.9 66.9
105 43.5 22.8 62.8

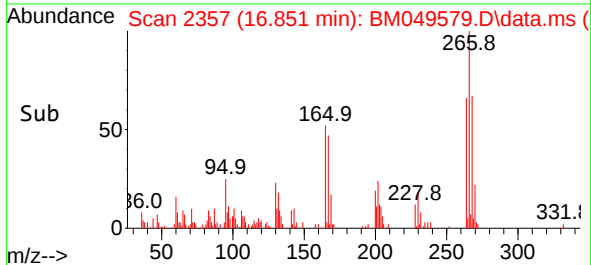
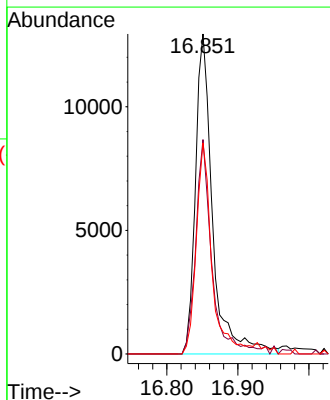
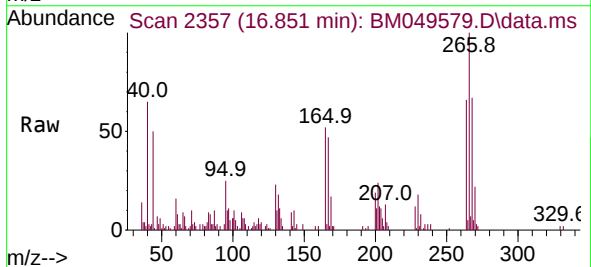
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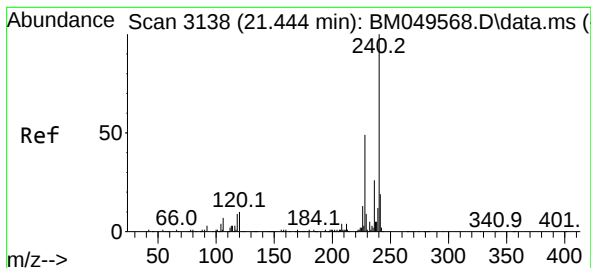
Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025



#70
Pentachlorophenol
Concen: 11.093 ng
RT: 16.851 min Scan# 2357
Delta R.T. 0.000 min
Lab File: BM049579.D
Acq: 06 Feb 2025 13:19

Tgt Ion:266 Resp: 21839
Ion Ratio Lower Upper
266 100
268 71.6 50.8 76.2
264 66.0 50.0 75.0





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.445 min Scan# 3138

Delta R.T. 0.000 min

Lab File: BM049579.D

Acq: 06 Feb 2025 13:19

Instrument :

BNA_M

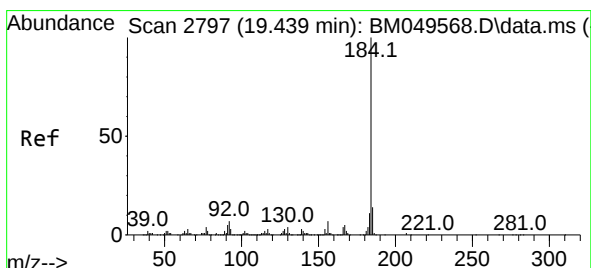
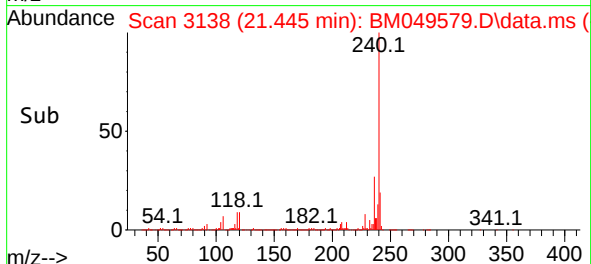
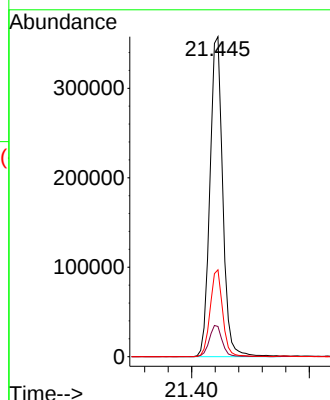
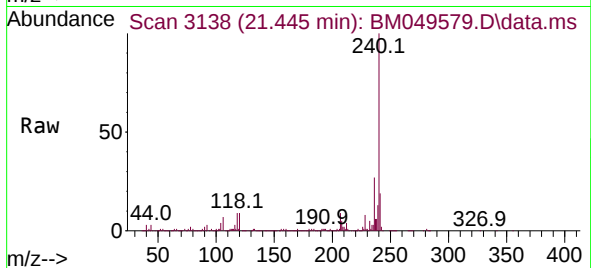
ClientSampleId :

LOQ-SOIL-02-QT1-2025

Tgt Ion:240 Resp: 540612
 Ion Ratio Lower Upper
 240 100
 120 9.5 7.8 11.8
 236 27.2 20.6 31.0

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



#77

Benzidine

Concen: 9.933 ng

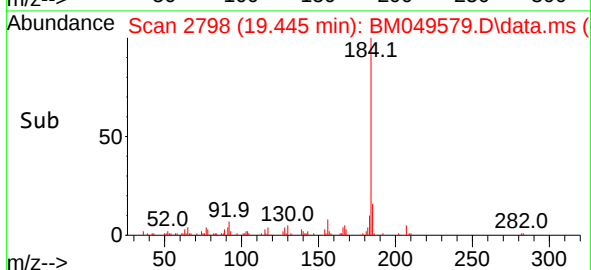
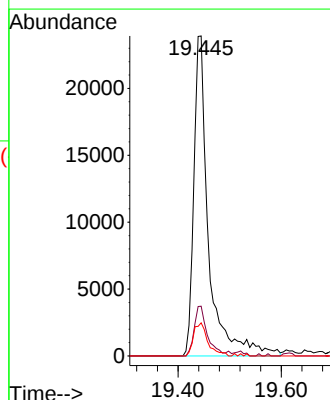
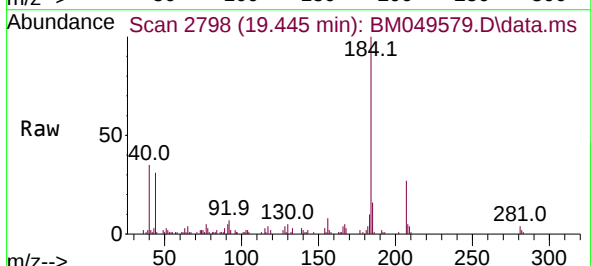
RT: 19.445 min Scan# 2798

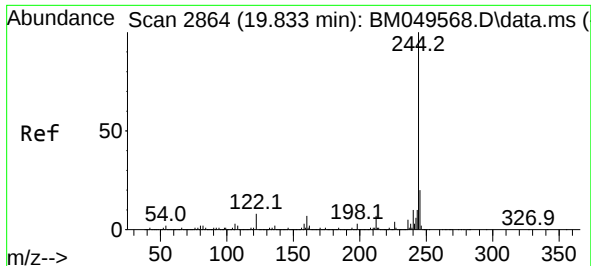
Delta R.T. 0.006 min

Lab File: BM049579.D

Acq: 06 Feb 2025 13:19

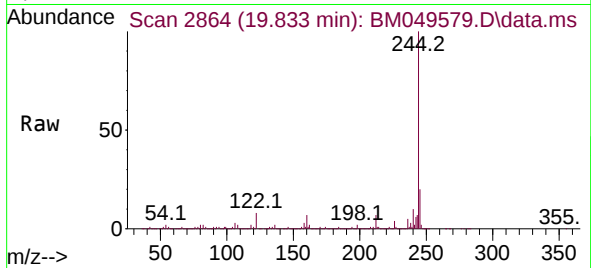
Tgt Ion:184 Resp: 47555
 Ion Ratio Lower Upper
 184 100
 185 15.6 11.6 17.4
 183 10.4 8.9 13.3





#79
 Terphenyl-d14
 Concen: 129.963 ng
 RT: 19.833 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: BM049579.D
 Acq: 06 Feb 2025 13:19

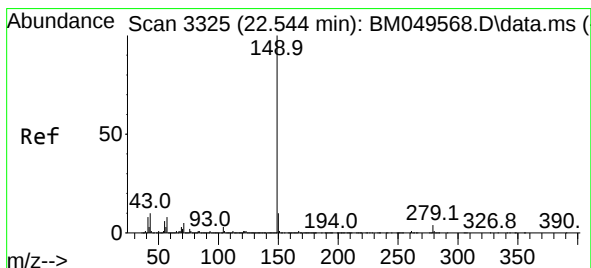
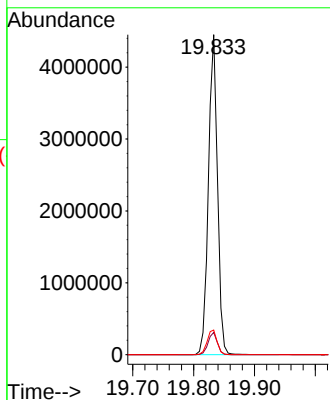
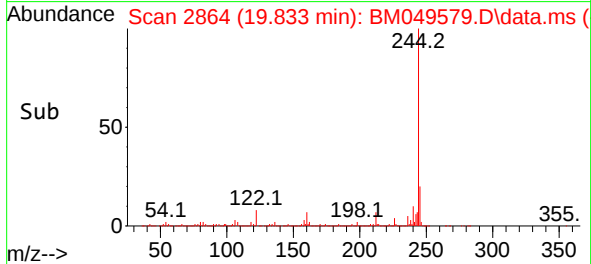
Instrument :
 BNA_M
 ClientSampleId :
 LOQ-SOIL-02-QT1-2025



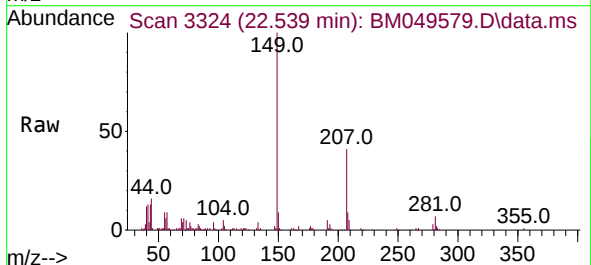
Tgt Ion:244 Resp: 460104
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.8 8.6
 122 7.7 6.2 9.2

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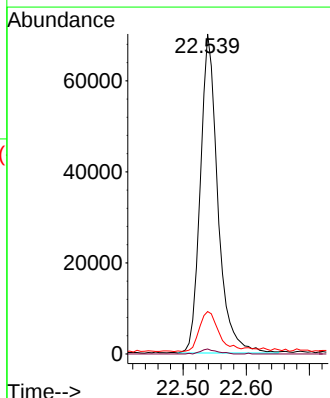
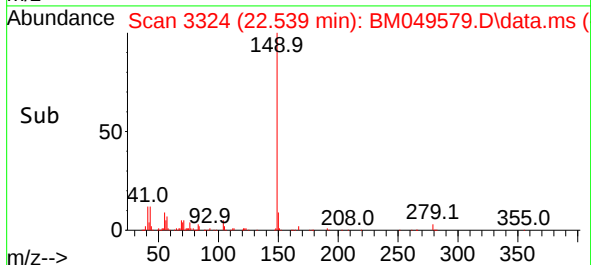
Reviewed By :Jagrut Upadhyay 02/07/2025
 Supervised By :mohammad ahmed 02/07/2025

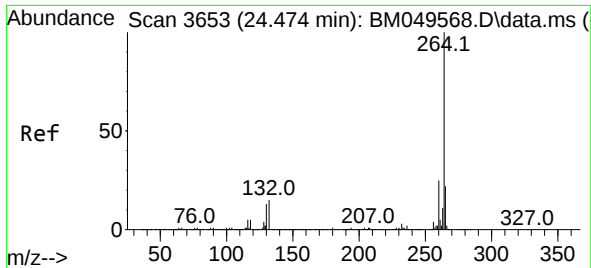


#85
 Di-n-octyl phthalate
 Concen: 3.985 ng
 RT: 22.539 min Scan# 3324
 Delta R.T. -0.006 min
 Lab File: BM049579.D
 Acq: 06 Feb 2025 13:19



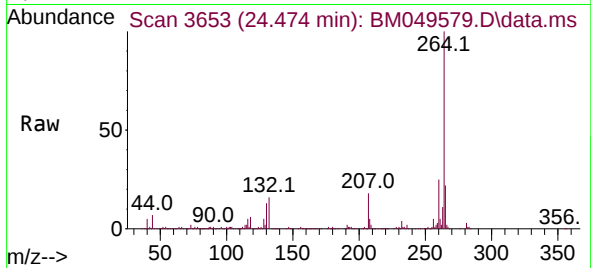
Tgt Ion:149 Resp: 135741
 Ion Ratio Lower Upper
 149 100
 167 1.5 1.2 1.8
 43 13.7 8.5 12.7#





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.474 min Scan# 30
 Delta R.T. 0.000 min
 Lab File: BM049579.D
 Acq: 06 Feb 2025 13:19

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



Tgt Ion:264 Resp: 455360
 Ion Ratio Lower Upper
 264 100
 260 24.9 19.8 29.6
 265 21.8 17.5 26.3

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

