

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN021125\
 Data File : BN036423.D
 Acq On : 11 Feb 2025 14:51
 Operator : RC/JU
 Sample : Q1168-02
 Misc : LOQ-SOIL 0.2 PPM
 ALS Vial : 6 Sample Multiplier: 1

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

Quant Time: Feb 11 15:35:15 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN021025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Feb 11 01:17:14 2025
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 02/12/2025
 Supervised By :mohammad ahmed 02/12/2025

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.753	152	1874	0.400	ng	0.00
7) Naphthalene-d8	10.552	136	4613	0.400	ng	# 0.01
13) Acenaphthene-d10	14.388	164	2923	0.400	ng	0.00
19) Phenanthrene-d10	17.136	188	6558	0.400	ng	0.00
29) Chrysene-d12	21.322	240	5952	0.400	ng	0.00
35) Perylene-d12	23.598	264	6156	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.341	112	1664	0.376	ng	0.00
5) Phenol-d6	6.930	99	1897	0.365	ng	0.00
8) Nitrobenzene-d5	8.907	82	1346	0.296	ng	0.00
11) 2-Methylnaphthalene-d10	12.141	152	3684	0.520	ng	0.00
14) 2,4,6-Tribromophenol	15.895	330	478	0.330	ng	0.01
15) 2-Fluorobiphenyl	13.019	172	3424	0.312	ng	0.00
27) Fluoranthene-d10	19.169	212	9776	0.536	ng	0.00
31) Terphenyl-d14	19.773	244	4142	0.326	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.268	88	463	0.226	ng	96
3) n-Nitrosodimethylamine	3.579	42	686	0.193	ng	# 92
20) 4,6-Dinitro-2-methylph...	15.535	198	201m	0.156	ng	
24) Pentachlorophenol	16.801	266	436	0.190	ng	96
34) Bis(2-ethylhexyl)phtha...	21.241	149	2409	0.197	ng	# 97

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

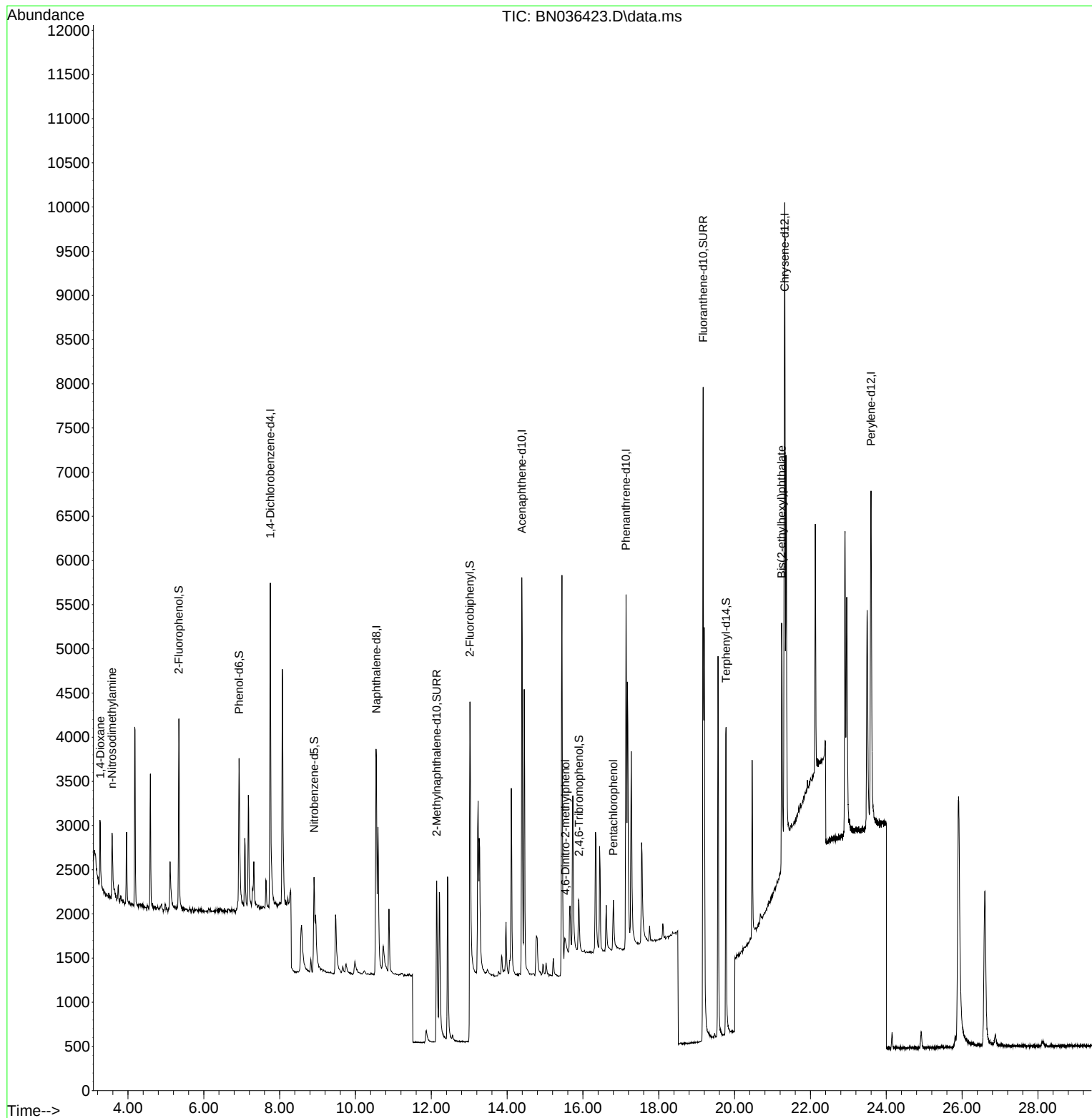
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN021125\
Data File : BN036423.D
Acq On : 11 Feb 2025 14:51
Operator : RC/JU
Sample : Q1168-02
Misc : LOQ-SOIL 0.2 PPM
ALS Vial : 6 Sample Multiplier: 1

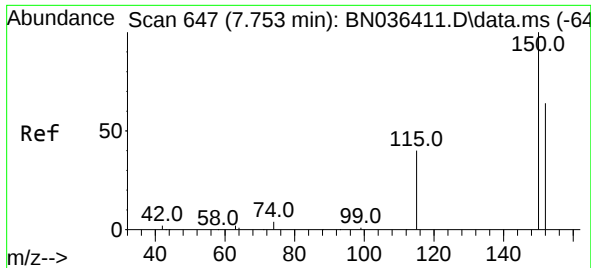
Instrument :
BNA_N
ClientSampleId :
LOQ-SOIL-02-QT1-2025

Quant Time: Feb 11 15:35:15 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN021025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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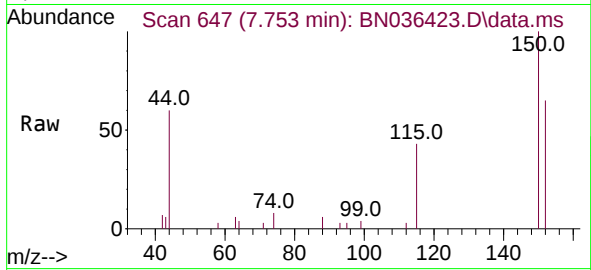
Reviewed By :Yogesh Patel 02/12/2025
Supervised By :mohammad ahmed 02/12/2025





#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.753 min Scan# 64
 Delta R.T. 0.000 min
 Lab File: BN036423.D
 Acq: 11 Feb 2025 14:51

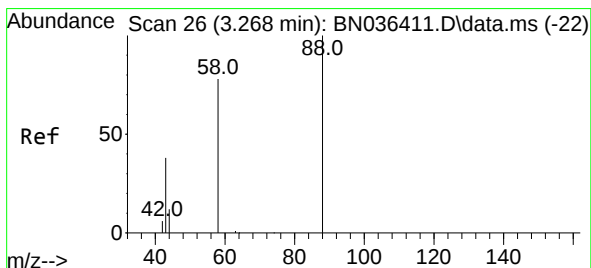
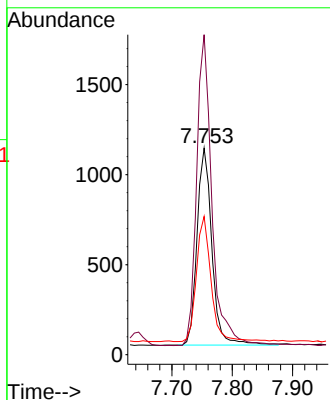
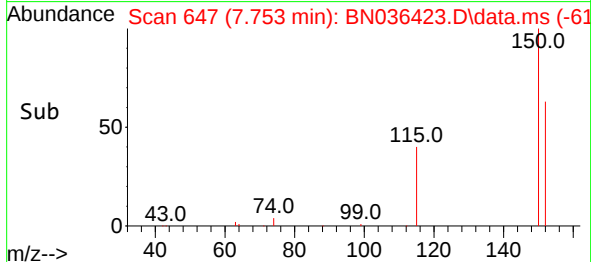
Instrument :
 BNA_N
 ClientSampleId :
 LOQ-SOIL-02-QT1-2025



Tgt Ion:152 Resp: 1874
 Ion Ratio Lower Upper
 152 100
 150 154.9 123.7 185.5
 115 67.0 52.5 78.7

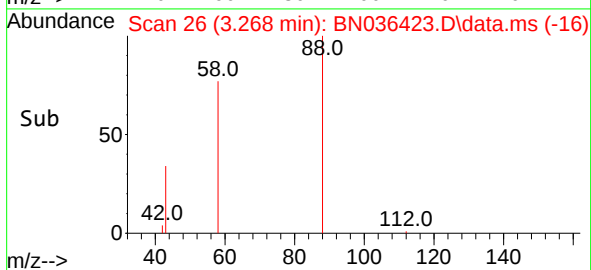
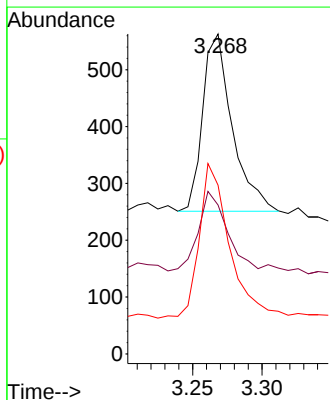
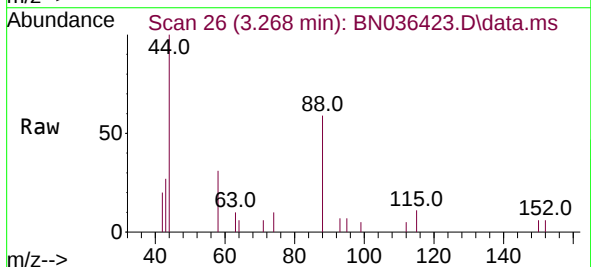
Manual Integrations
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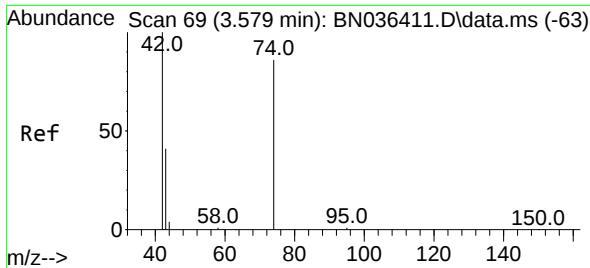
Reviewed By :Yogesh Patel 02/12/2025
 Supervised By :mohammad ahmed 02/12/2025



#2
 1,4-Dioxane
 Concen: 0.226 ng
 RT: 3.268 min Scan# 26
 Delta R.T. -0.000 min
 Lab File: BN036423.D
 Acq: 11 Feb 2025 14:51

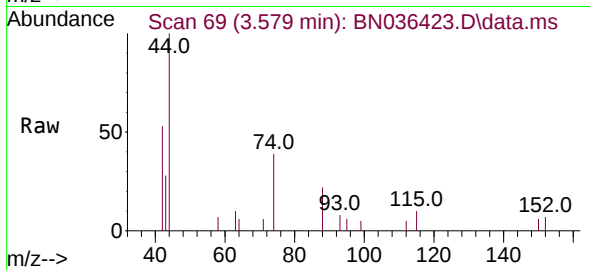
Tgt Ion: 88 Resp: 463
 Ion Ratio Lower Upper
 88 100
 43 44.9 33.7 50.5
 58 89.2 68.9 103.3





#3
n-Nitrosodimethylamine
Concen: 0.193 ng
RT: 3.579 min Scan# 69
Delta R.T. -0.000 min
Lab File: BN036423.D
Acq: 11 Feb 2025 14:51

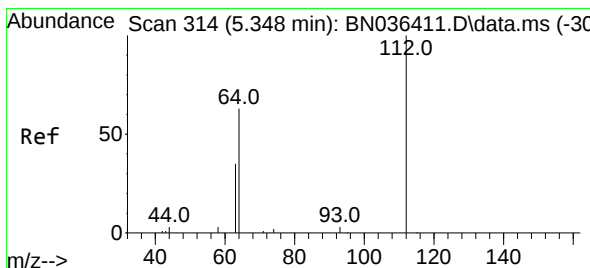
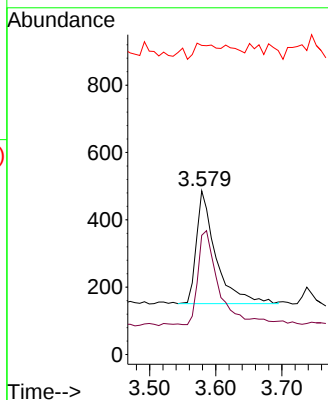
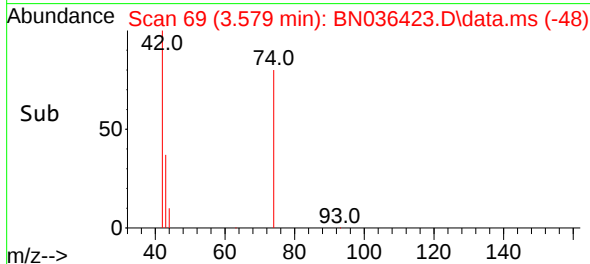
Instrument :
BNA_N
ClientSampleId :
LOQ-SOIL-02-QT1-2025



Tgt Ion: 42 Resp: 680
Ion Ratio Lower Upper
42 100
74 83.5 71.8 107.6
44 15.7 7.8 11.6

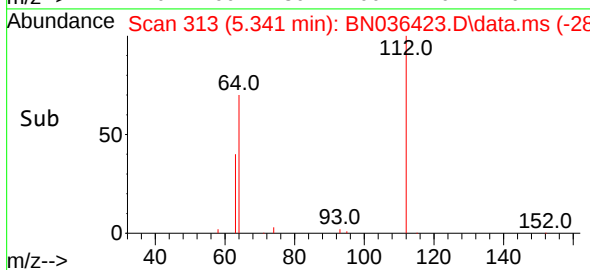
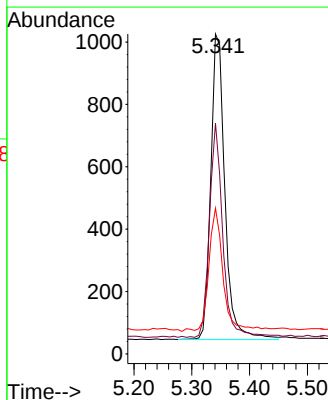
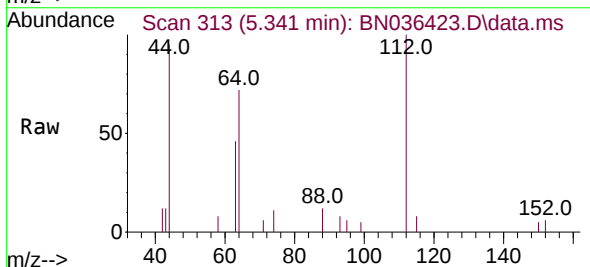
Manual Integrations
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#4
2-Fluorophenol
Concen: 0.376 ng
RT: 5.341 min Scan# 313
Delta R.T. -0.007 min
Lab File: BN036423.D
Acq: 11 Feb 2025 14:51

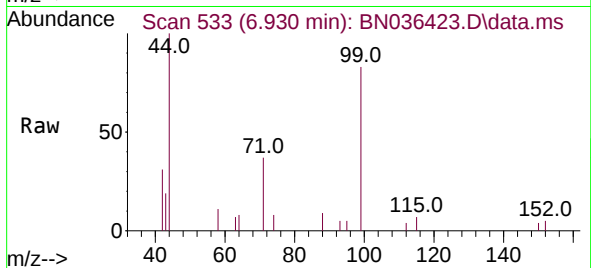
Tgt Ion:112 Resp: 1664
Ion Ratio Lower Upper
112 100
64 66.6 53.4 80.0
63 41.4 30.3 45.5





#5
Phenol-d6
Concen: 0.365 ng
RT: 6.930 min Scan# 511
Delta R.T. -0.007 min
Lab File: BN036423.D
Acq: 11 Feb 2025 14:51

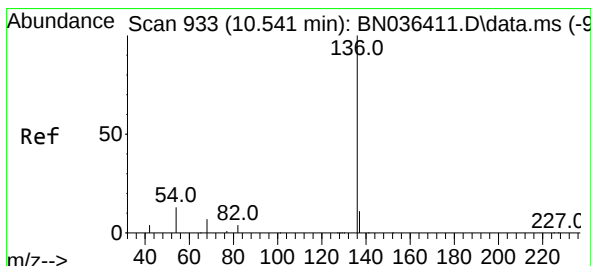
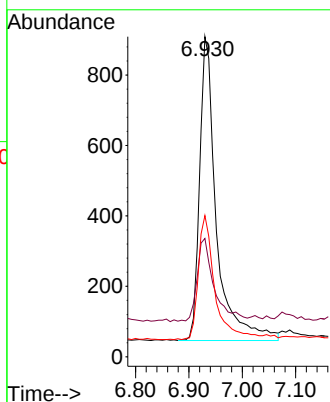
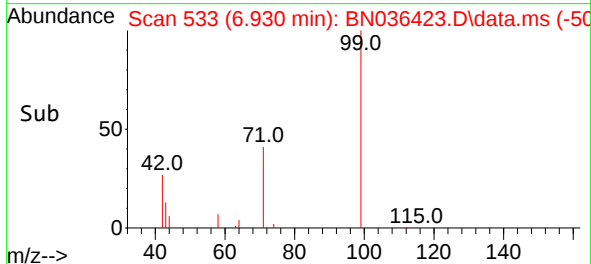
Instrument :
BNA_N
ClientSampleId :
LOQ-SOIL-02-QT1-2025



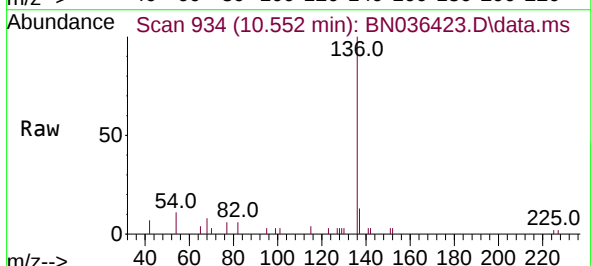
Tgt Ion: 99 Resp: 189
Ion Ratio Lower Upper
99 100
42 27.5 21.7 32.5
71 40.2 32.6 49.0

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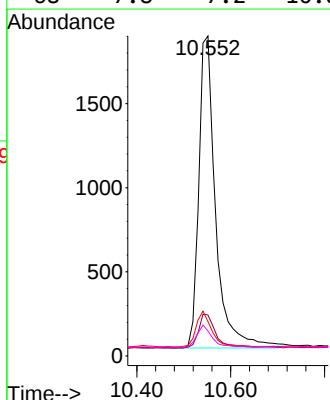
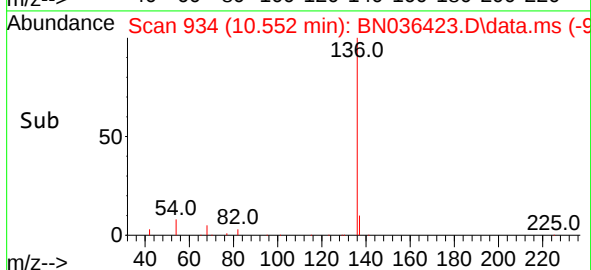
Reviewed By :Yogesh Patel 02/12/2025
Supervised By :mohammad ahmed 02/12/2025

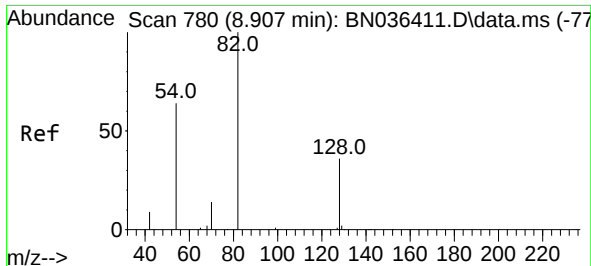


#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.552 min Scan# 934
Delta R.T. 0.011 min
Lab File: BN036423.D
Acq: 11 Feb 2025 14:51



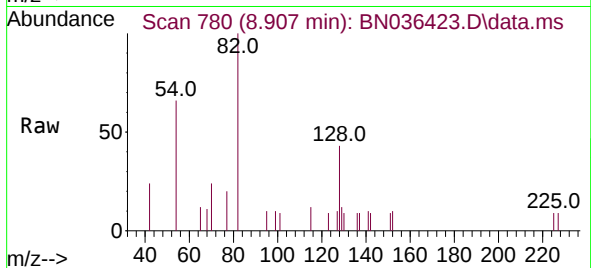
Tgt Ion:136 Resp: 4613
Ion Ratio Lower Upper
136 100
137 12.8 10.1 15.1
54 10.8 11.8 17.6#
68 7.8 7.2 10.8





#8
Nitrobenzene-d5
Concen: 0.296 ng
RT: 8.907 min Scan# 780
Delta R.T. -0.000 min
Lab File: BN036423.D
Acq: 11 Feb 2025 14:51

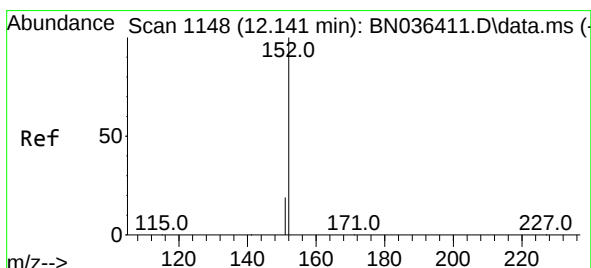
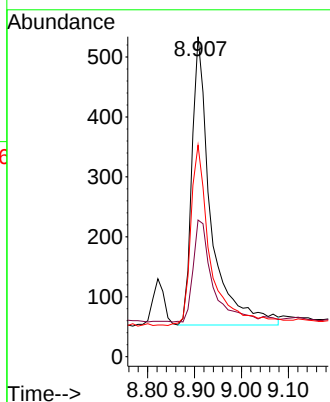
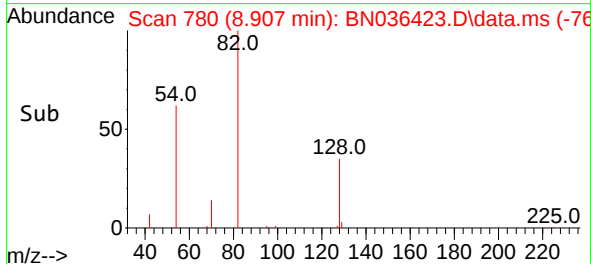
Instrument :
BNA_N
ClientSampleId :
LOQ-SOIL-02-QT1-2025



Tgt Ion: 82 Resp: 1340
Ion Ratio Lower Upper
82 100
128 42.7 31.9 47.9
54 66.1 53.1 79.7

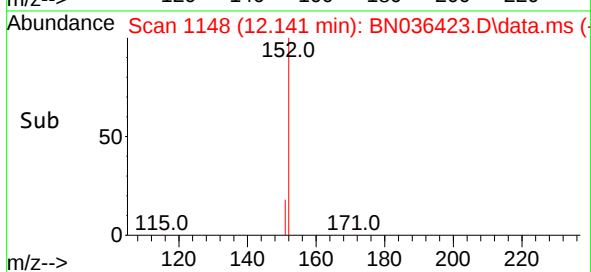
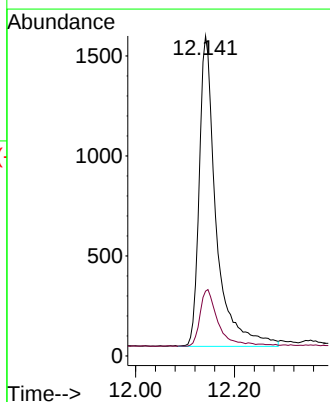
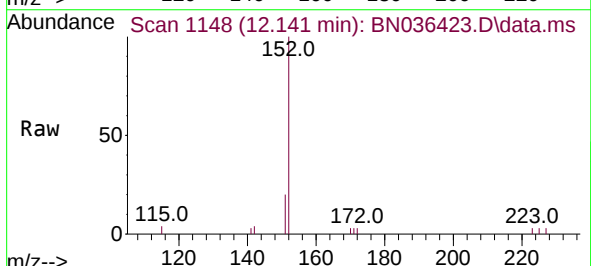
Manual Integrations
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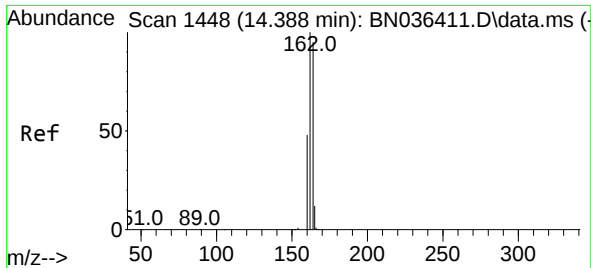
Reviewed By :Yogesh Patel 02/12/2025
Supervised By :mohammad ahmed 02/12/2025



#11
2-Methylnaphthalene-d10
Concen: 0.520 ng
RT: 12.141 min Scan# 1148
Delta R.T. -0.000 min
Lab File: BN036423.D
Acq: 11 Feb 2025 14:51

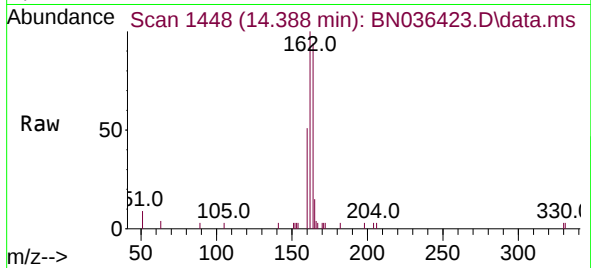
Tgt Ion:152 Resp: 3684
Ion Ratio Lower Upper
152 100
151 18.7 16.6 25.0





#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.388 min Scan# 1448
Delta R.T. -0.000 min
Lab File: BN036423.D
Acq: 11 Feb 2025 14:51

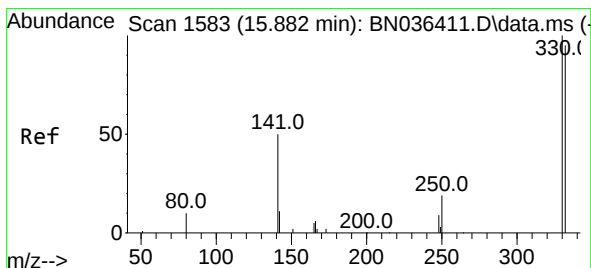
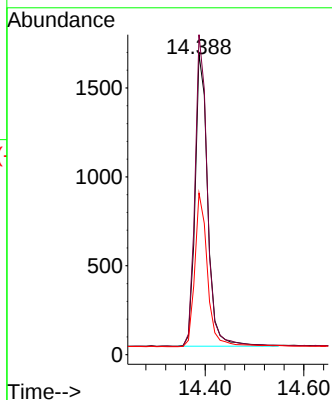
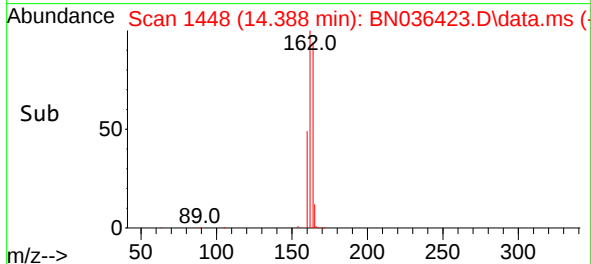
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BNA_N
ClientSampleId :
LOQ-SOIL-02-QT1-2025



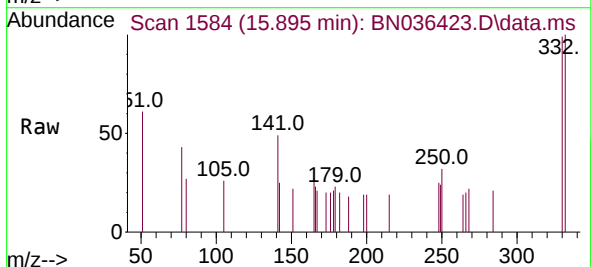
Tgt Ion:164 Resp: 292.0
Ion Ratio Lower Upper
164 100
162 106.5 84.1 126.1
160 53.8 41.4 62.0

Manual Integrations
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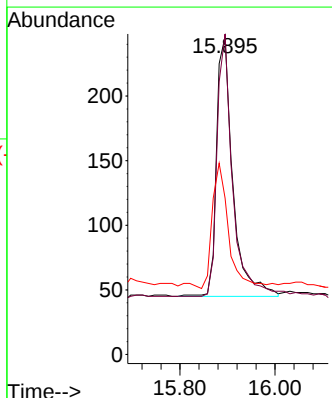
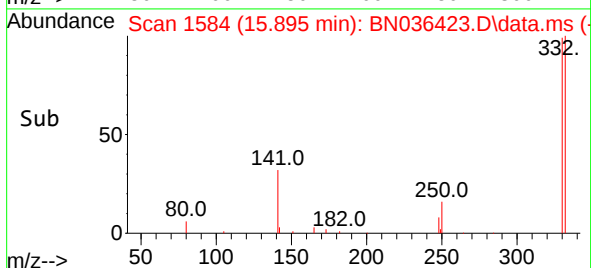
Reviewed By :Yogesh Patel 02/12/2025
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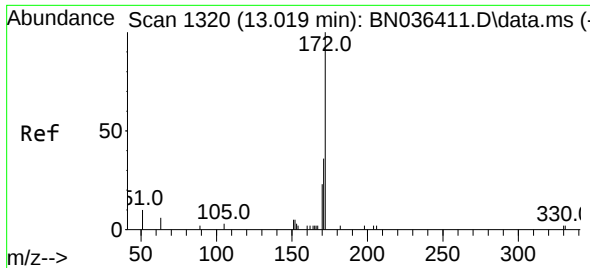


#14
2,4,6-Tribromophenol
Concen: 0.330 ng
RT: 15.895 min Scan# 1584
Delta R.T. 0.012 min
Lab File: BN036423.D
Acq: 11 Feb 2025 14:51



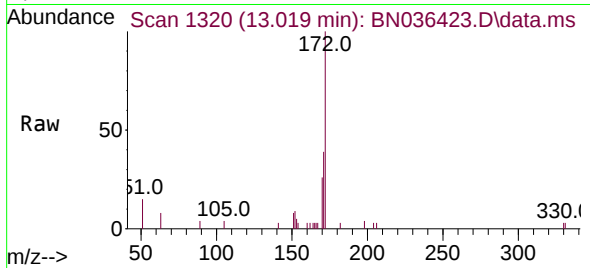
Tgt Ion:330 Resp: 478
Ion Ratio Lower Upper
330 100
332 96.7 76.6 114.8
141 48.5 37.8 56.8





#15
2-Fluorobiphenyl
Concen: 0.312 ng
RT: 13.019 min Scan# 11
Delta R.T. -0.000 min
Lab File: BN036423.D
Acq: 11 Feb 2025 14:51

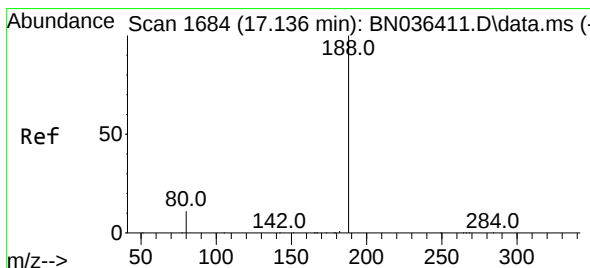
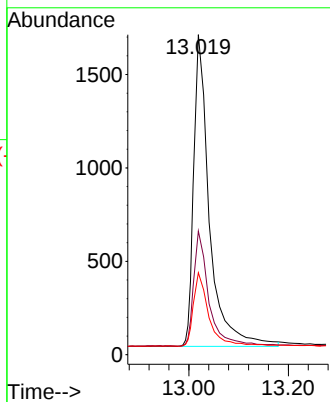
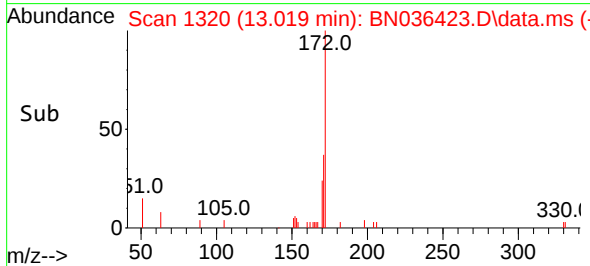
Instrument :
BNA_N
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LOQ-SOIL-02-QT1-2025



Tgt Ion:172 Resp: 3424
Ion Ratio Lower Upper
172 100
171 38.6 29.6 44.4
170 25.6 19.8 29.6

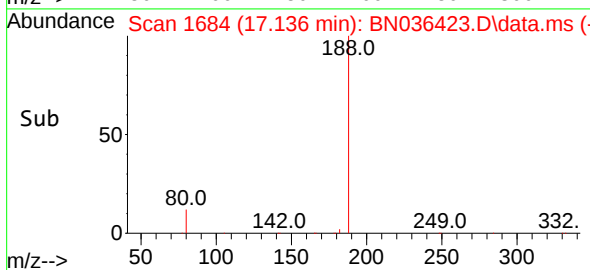
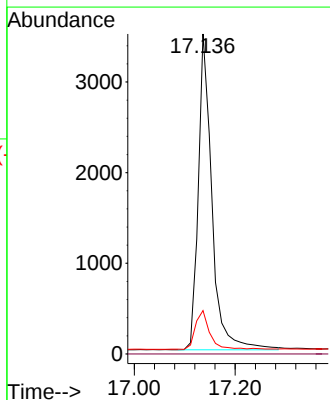
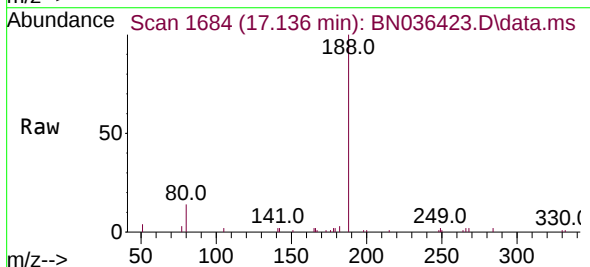
Manual Integrations
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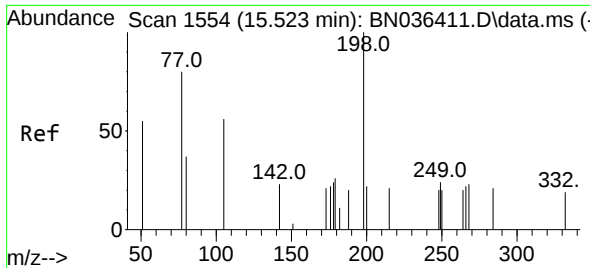
Reviewed By :Yogesh Patel 02/12/2025
Supervised By :mohammad ahmed 02/12/2025



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.136 min Scan# 1684
Delta R.T. -0.000 min
Lab File: BN036423.D
Acq: 11 Feb 2025 14:51

Tgt Ion:188 Resp: 6558
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 13.6 9.8 14.6





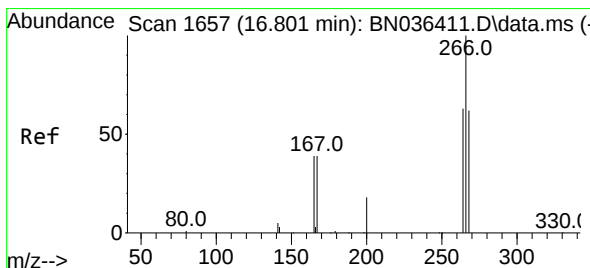
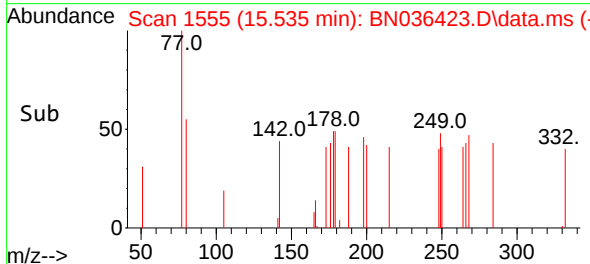
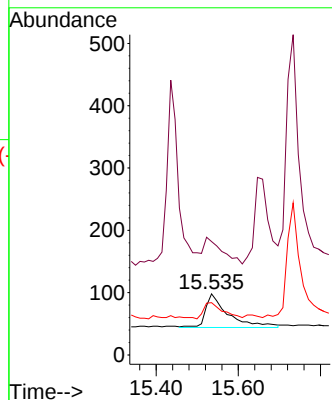
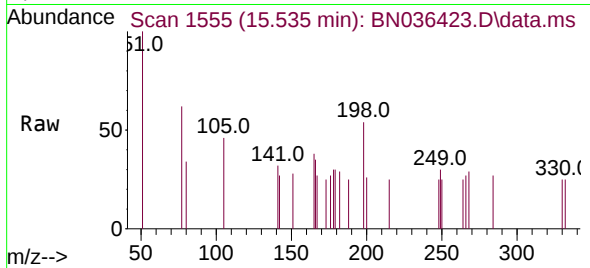
#20
4,6-Dinitro-2-methylphenol
Concen: 0.156 ng m
RT: 15.535 min Scan# 1555
Delta R.T. 0.012 min
Lab File: BN036423.D
Acq: 11 Feb 2025 14:51

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

Tgt Ion:198 Resp: 200
Ion Ratio Lower Upper
198 100
51 185.7 86.6 129.8
105 85.7 57.5 86.3

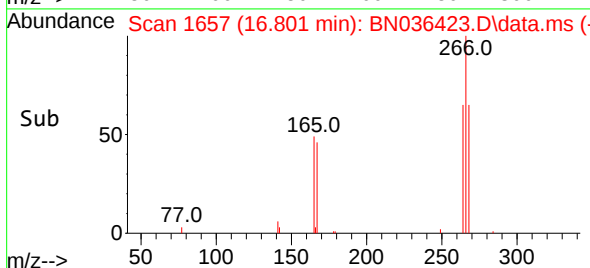
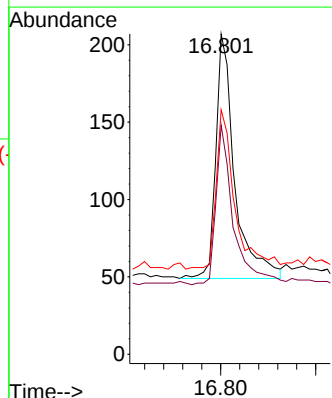
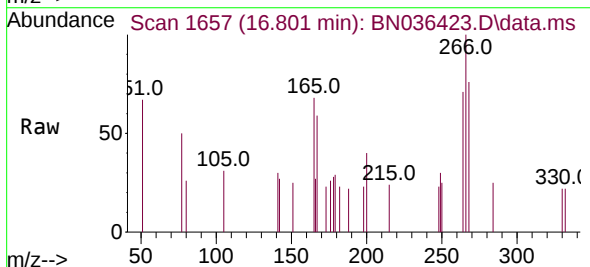
Manual Integrations
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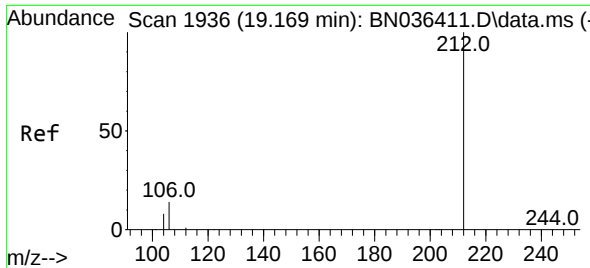
Reviewed By :Yogesh Patel 02/12/2025
Supervised By :mohammad ahmed 02/12/2025



#24
Pentachlorophenol
Concen: 0.190 ng
RT: 16.801 min Scan# 1657
Delta R.T. -0.000 min
Lab File: BN036423.D
Acq: 11 Feb 2025 14:51

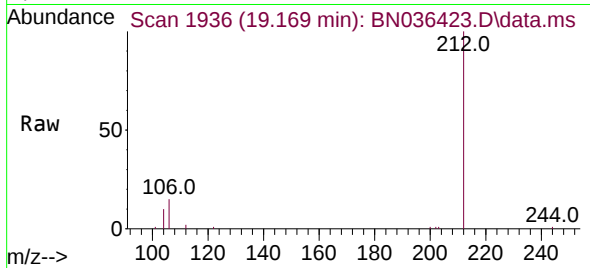
Tgt Ion:266 Resp: 436
Ion Ratio Lower Upper
266 100
264 60.6 50.6 76.0
268 61.9 51.9 77.9





#27
Fluoranthene-d10
Concen: 0.536 ng
RT: 19.169 min Scan# 1936
Delta R.T. -0.000 min
Lab File: BN036423.D
Acq: 11 Feb 2025 14:51

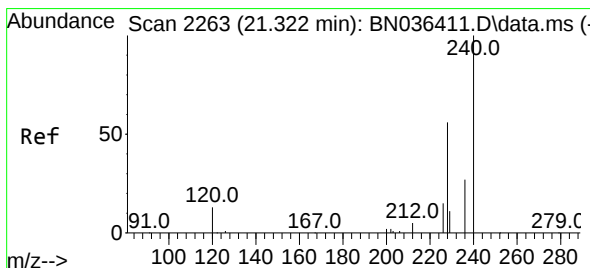
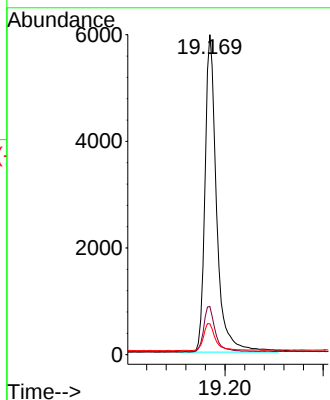
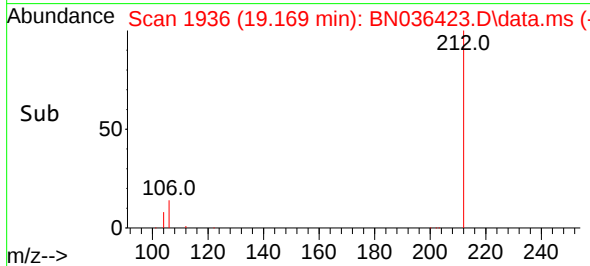
Instrument :
BNA_N
ClientSampleId :
LOQ-SOIL-02-QT1-2025



Tgt Ion:212 Resp: 9770
Ion Ratio Lower Upper
212 100
106 14.4 11.5 17.3
104 8.7 7.1 10.7

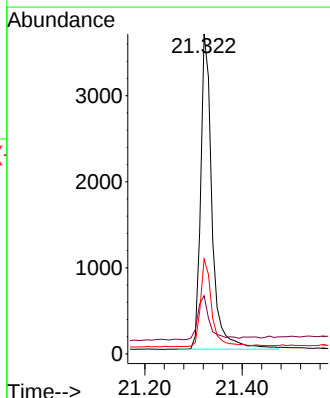
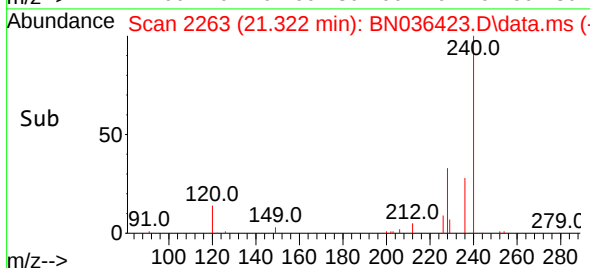
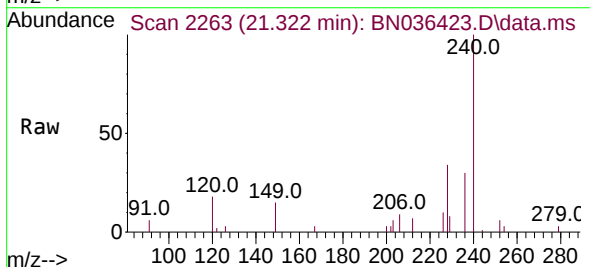
Manual Integrations
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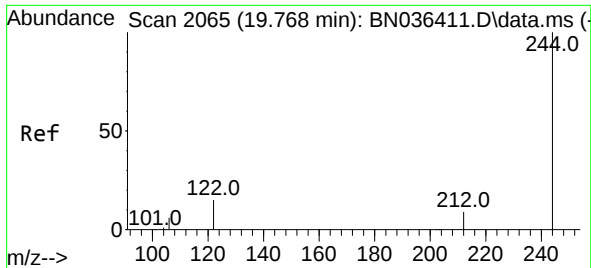
Reviewed By :Yogesh Patel 02/12/2025
Supervised By :mohammad ahmed 02/12/2025



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.322 min Scan# 2263
Delta R.T. -0.000 min
Lab File: BN036423.D
Acq: 11 Feb 2025 14:51

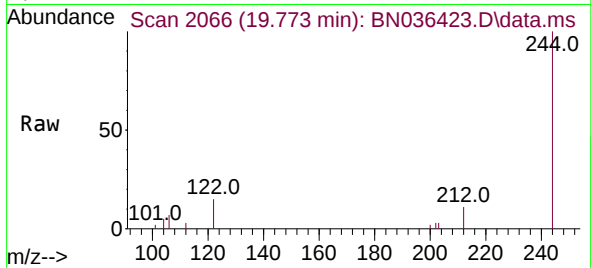
Tgt Ion:240 Resp: 5952
Ion Ratio Lower Upper
240 100
120 18.2 13.3 19.9
236 29.7 23.0 34.6





#31
 Terphenyl-d14
 Concen: 0.326 ng
 RT: 19.773 min Scan# 2066
 Delta R.T. 0.005 min
 Lab File: BN036423.D
 Acq: 11 Feb 2025 14:51

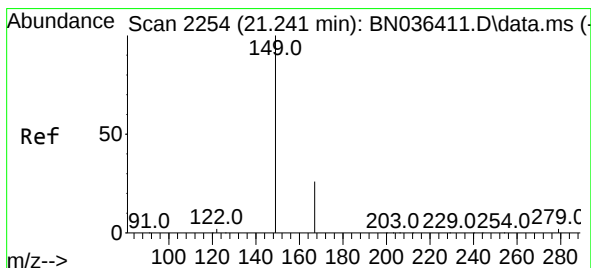
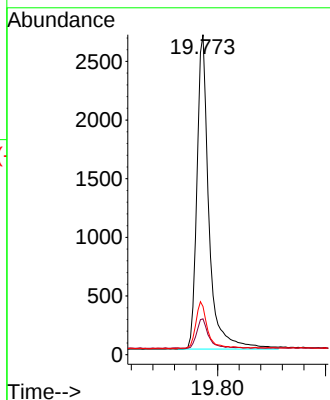
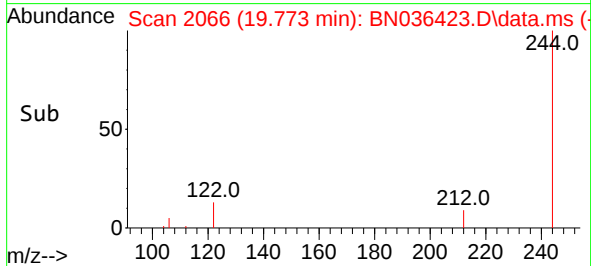
Instrument : BNA_N
 ClientSampleId :
 LOQ-SOIL-02-QT1-2025



Tgt Ion:244 Resp: 414
 Ion Ratio Lower Upper
 244 100
 212 11.2 8.1 12.1
 122 15.1 12.8 19.2

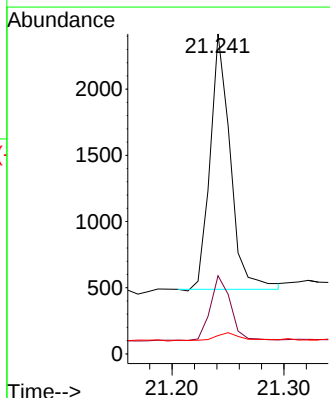
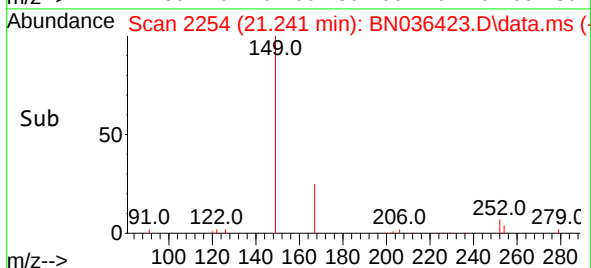
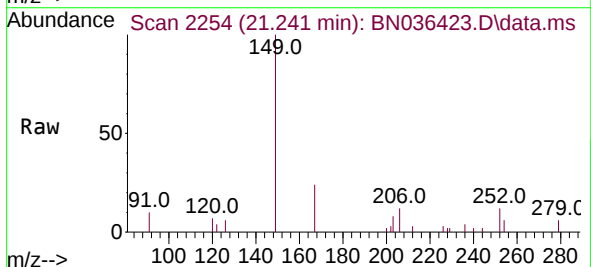
Manual Integrations
 APPROVED

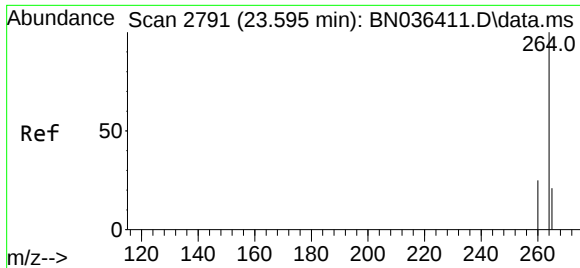
Reviewed By :Yogesh Patel 02/12/2025
 Supervised By :mohammad ahmed 02/12/2025



#34
 Bis(2-ethylhexyl)phthalate
 Concen: 0.197 ng
 RT: 21.241 min Scan# 2254
 Delta R.T. -0.000 min
 Lab File: BN036423.D
 Acq: 11 Feb 2025 14:51

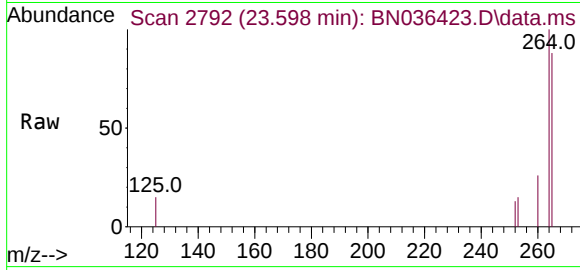
Tgt Ion:149 Resp: 2409
 Ion Ratio Lower Upper
 149 100
 167 24.9 21.2 31.8
 279 4.9 2.7 4.1#





#35
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.598 min Scan# 21
 Delta R.T. 0.003 min
 Lab File: BN036423.D
 Acq: 11 Feb 2025 14:51

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



Tgt Ion: 264 Resp: 6150

Ion	Ratio	Lower	Upper
264	100		
260	25.8	20.9	31.3
265	87.5	60.7	91.1

Manual Integrations
APPROVED
 Reviewed By :Yogesh Patel 02/12/2025
 Supervised By :mohammad ahmed 02/12/2025

