

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN021225\
 Data File : BN036435.D
 Acq On : 12 Feb 2025 11:31
 Operator : RC/JU
 Sample : Q1168-03
 Misc : MDL-MDL-SOIL 0.2 PPM
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 MDL-SOIL-03-QT1-2025

Quant Time: Feb 12 11:54:36 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 :Anahy Claudio 02/13/2025
 Supervised By :Jagrut Upadhyay 02/13/2025

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.753	152	2814	0.400	ng	0.00
7) Naphthalene-d8	10.541	136	6873	0.400	ng	0.00
13) Acenaphthene-d10	14.388	164	4403	0.400	ng	0.00
19) Phenanthrene-d10	17.136	188	9975	0.400	ng	0.00
29) Chrysene-d12	21.322	240	8728	0.400	ng	0.00
35) Perylene-d12	23.592	264	8759	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.341	112	2497	0.375	ng	0.00
5) Phenol-d6	6.930	99	2917	0.374	ng	0.00
8) Nitrobenzene-d5	8.897	82	1994	0.294	ng	-0.01
11) 2-Methylnaphthalene-d10	12.136	152	5584	0.529	ng	0.00
14) 2,4,6-Tribromophenol	15.883	330	708	0.324	ng	0.00
15) 2-Fluorobiphenyl	13.019	172	5178	0.313	ng	0.00
27) Fluoranthene-d10	19.164	212	14653	0.528	ng	0.00
31) Terphenyl-d14	19.768	244	6268	0.336	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.268	88	604	0.196	ng	92
3) n-Nitrosodimethylamine	3.586	42	1009	0.189	ng	# 97
6) bis(2-Chloroethyl)ether	7.176	93	1652	0.202	ng	97
9) Naphthalene	10.594	128	3698	0.186	ng	98
10) Hexachlorobutadiene	10.883	225	951	0.197	ng	# 100
12) 2-Methylnaphthalene	12.212	142	2486	0.191	ng	98
16) Acenaphthylene	14.110	152	3909	0.201	ng	99
17) Acenaphthene	14.452	154	2536	0.195	ng	99
18) Fluorene	15.446	166	3555	0.192	ng	98
20) 4,6-Dinitro-2-methylph...	15.535	198	282	0.144	ng	# 59
21) 4-Bromophenyl-phenylether	16.329	248	1135	0.191	ng	98
22) Hexachlorobenzene	16.441	284	1443	0.196	ng	98
23) Atrazine	16.615	200	913	0.184	ng	95
24) Pentachlorophenol	16.801	266	626	0.179	ng	99
25) Phenanthrene	17.173	178	5621	0.195	ng	100
26) Anthracene	17.273	178	5017	0.197	ng	100
28) Fluoranthene	19.197	202	6483	0.183	ng	98
30) Pyrene	19.559	202	6632	0.197	ng	100
32) Benzo(a)anthracene	21.304	228	5547	0.193	ng	99
33) Chrysene	21.358	228	6466	0.208	ng	99
34) Bis(2-ethylhexyl)phtha...	21.241	149	3558	0.199	ng	99
36) Indeno(1,2,3-cd)pyrene	25.888	276	6704	0.219	ng	97
37) Benzo(b)fluoranthene	22.905	252	6227m	0.216	ng	
38) Benzo(k)fluoranthene	22.952	252	6400	0.216	ng	94
39) Benzo(a)pyrene	23.493	252	5595	0.222	ng	# 63
40) Dibenzo(a,h)anthracene	25.908	278	5154	0.213	ng	98
41) Benzo(g,h,i)perylene	26.592	276	5805	0.212	ng	96

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

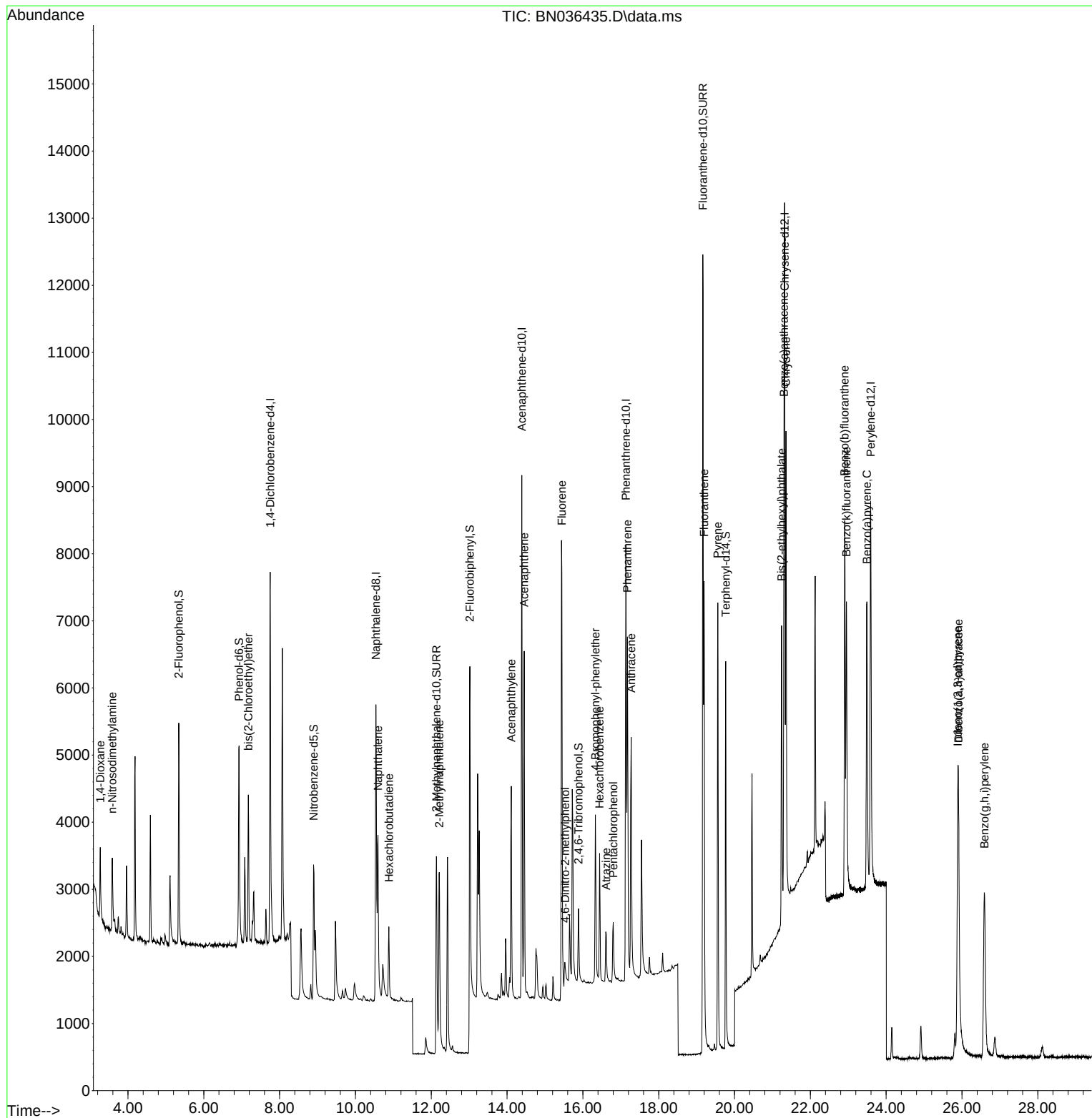
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN021225\
 Data File : BN036435.D
 Acq On : 12 Feb 2025 11:31
 Operator : RC/JU
 Sample : Q1168-03
 Misc : MDL-MDL-SOIL 0.2 PPM
 ALS Vial : 5 Sample Multiplier: 1

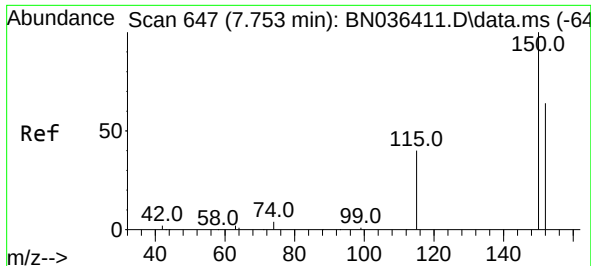
Instrument :
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 ClientSampleId :
 MDL-SOIL-03-QT1-2025

Quant Time: Feb 12 11:54:36 2025
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Feb 11 01:17:14 2025
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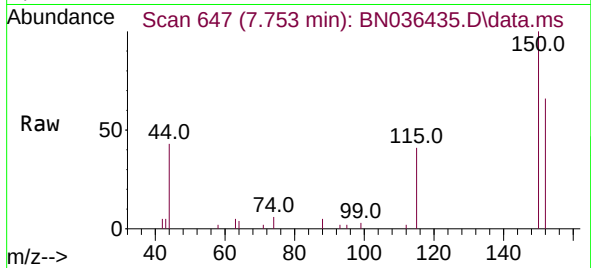
Reviewed By :Anahy Claudio 02/13/2025
 Supervised By :Jagrut Upadhyay 02/13/2025





#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.753 min Scan# 64
 Delta R.T. 0.000 min
 Lab File: BN036435.D
 Acq: 12 Feb 2025 11:31

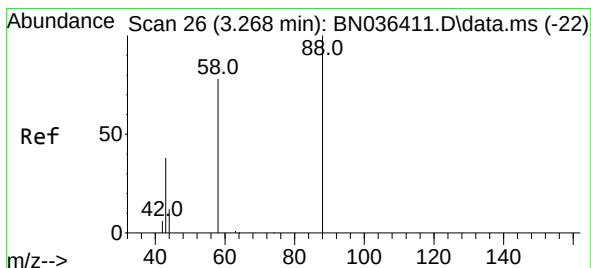
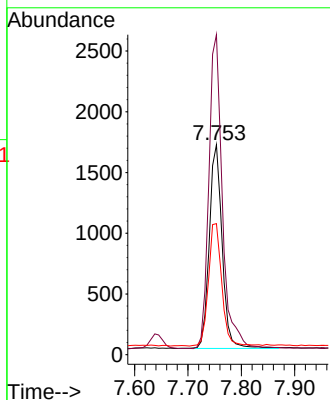
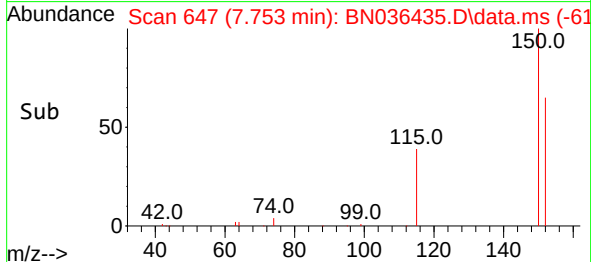
Instrument :
 BNA_N
 ClientSampleId :
 MDL-SOIL-03-QT1-2025



Tgt Ion: 152 Resp: 2814
 Ion Ratio Lower Upper
 152 100
 150 152.4 123.7 185.5
 115 62.4 52.5 78.7

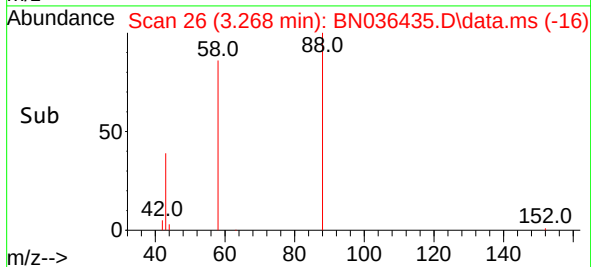
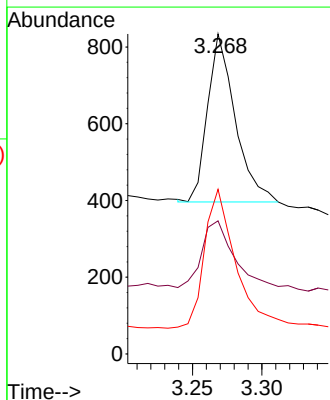
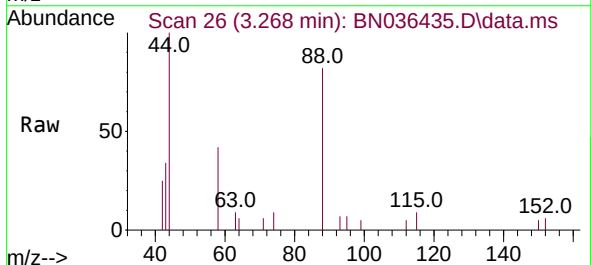
Manual Integrations
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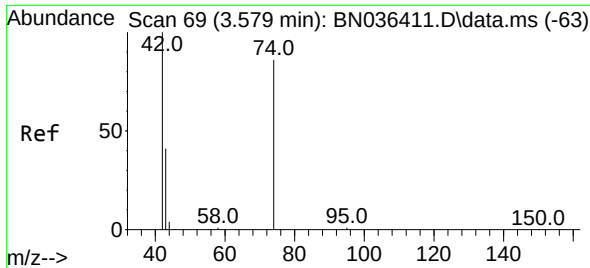
Reviewed By :Anahy Claudio 02/13/2025
 Supervised By :Jagrut Upadhyay 02/13/2025



#2
 1,4-Dioxane
 Concen: 0.196 ng
 RT: 3.268 min Scan# 26
 Delta R.T. 0.000 min
 Lab File: BN036435.D
 Acq: 12 Feb 2025 11:31

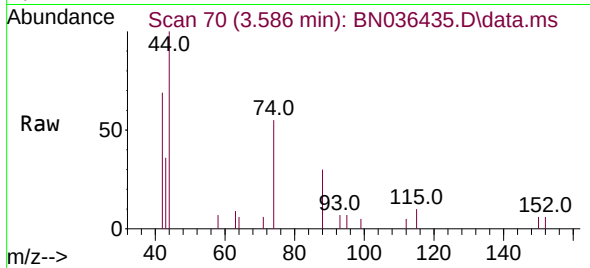
Tgt Ion: 88 Resp: 604
 Ion Ratio Lower Upper
 88 100
 43 45.9 33.7 50.5
 58 93.7 68.9 103.3





#3
n-Nitrosodimethylamine
Concen: 0.189 ng
RT: 3.586 min Scan# 70
Delta R.T. 0.007 min
Lab File: BN036435.D
Acq: 12 Feb 2025 11:31

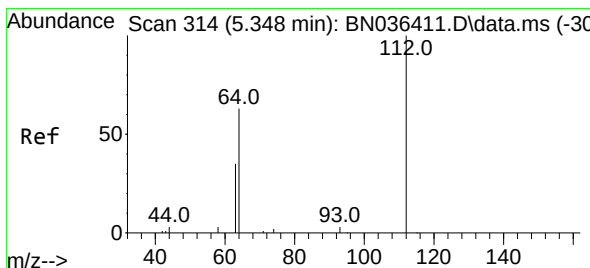
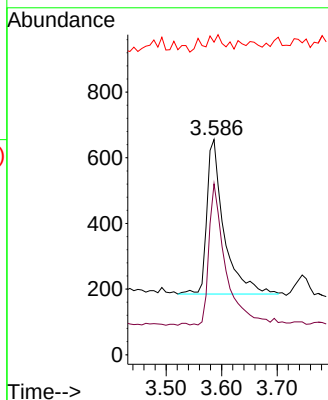
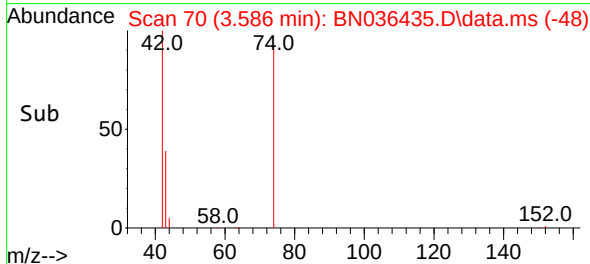
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-03-QT1-2025



Tgt Ion: 42 Resp: 100
Ion Ratio Lower Upper
42 100
74 88.1 71.8 107.6
44 5.4 7.8 11.6

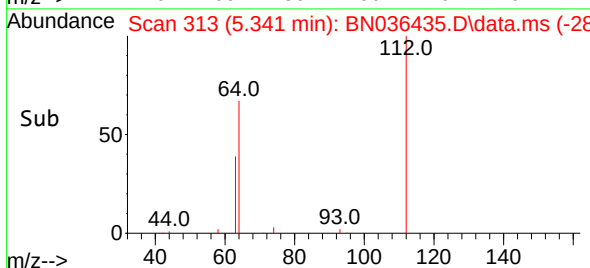
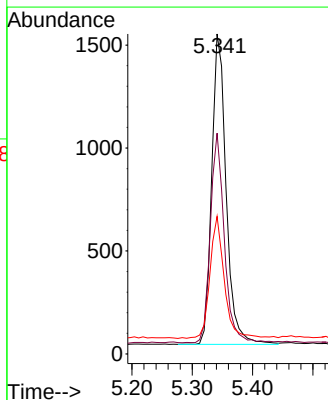
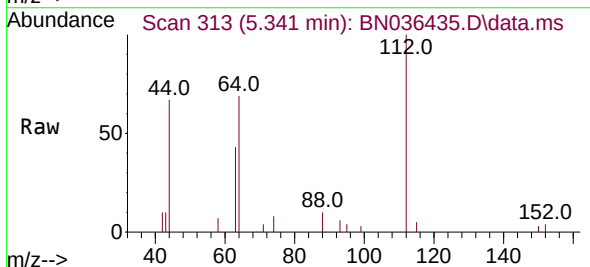
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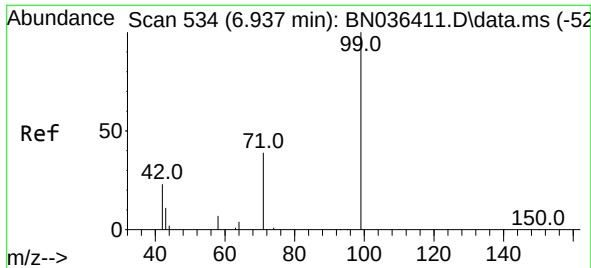
Reviewed By :Anahy Claudio 02/13/2025
Supervised By :Jagrut Upadhyay 02/13/2025



#4
2-Fluorophenol
Concen: 0.375 ng
RT: 5.341 min Scan# 313
Delta R.T. -0.007 min
Lab File: BN036435.D
Acq: 12 Feb 2025 11:31

Tgt Ion:112 Resp: 2497
Ion Ratio Lower Upper
112 100
64 65.7 53.4 80.0
63 39.5 30.3 45.5





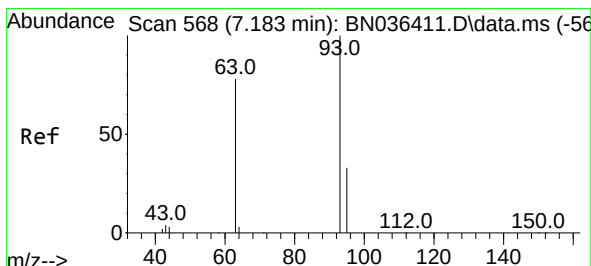
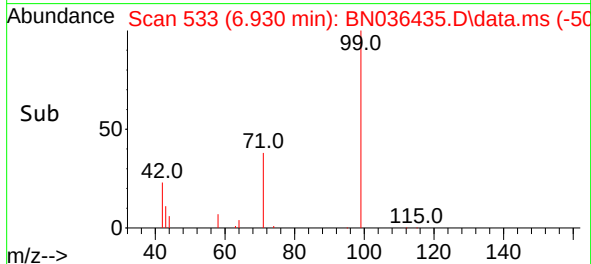
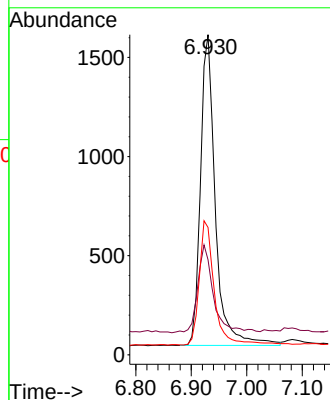
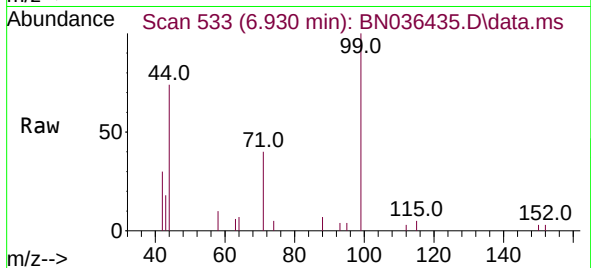
#5
Phenol-d6
Concen: 0.374 ng
RT: 6.930 min Scan# 51
Delta R.T. -0.007 min
Lab File: BN036435.D
Acq: 12 Feb 2025 11:31

Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-03-QT1-2025

Tgt Ion: 99 Resp: 291
Ion Ratio Lower Upper
99 100
42 29.9 21.7 32.5
71 41.0 32.6 49.0

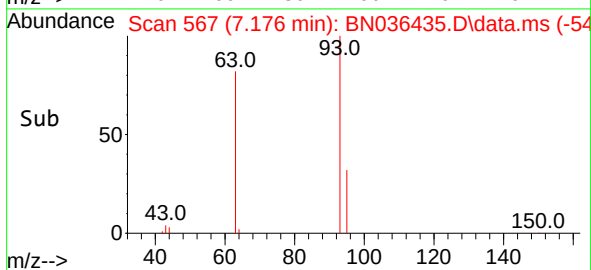
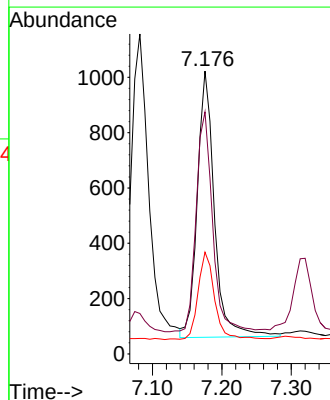
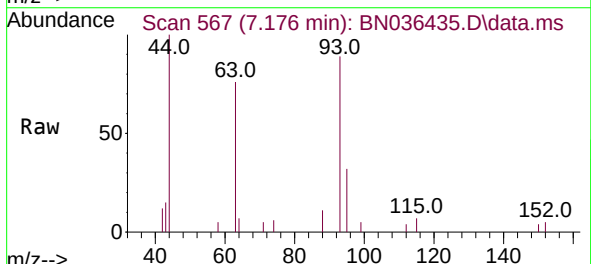
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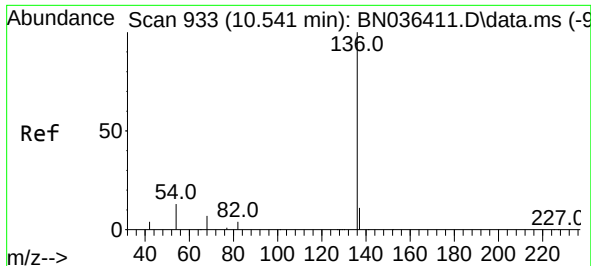
Reviewed By :Anahy Claudio 02/13/2025
Supervised By :Jagrut Upadhyay 02/13/2025



#6
bis(2-Chloroethyl)ether
Concen: 0.202 ng
RT: 7.176 min Scan# 567
Delta R.T. -0.007 min
Lab File: BN036435.D
Acq: 12 Feb 2025 11:31

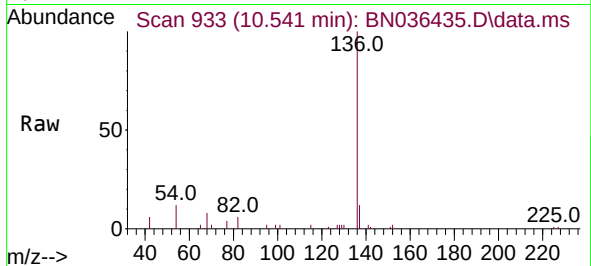
Tgt Ion: 93 Resp: 1652
Ion Ratio Lower Upper
93 100
63 79.8 66.3 99.5
95 31.8 26.2 39.4





#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.541 min Scan# 911
Delta R.T. 0.000 min
Lab File: BN036435.D
Acq: 12 Feb 2025 11:31

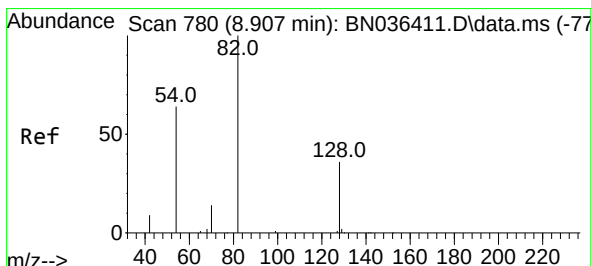
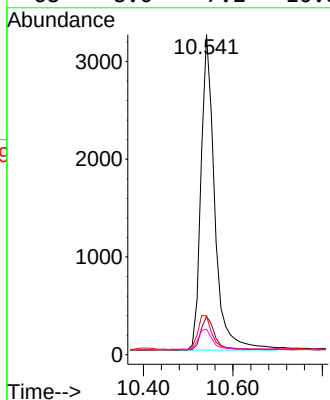
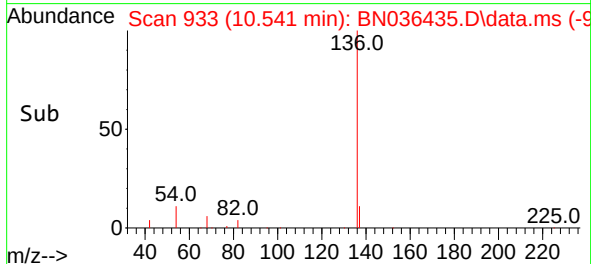
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-03-QT1-2025



Tgt Ion:136 Resp: 687
Ion Ratio Lower Upper
136 100
137 12.0 10.1 15.1
54 12.1 11.8 17.6
68 8.0 7.2 10.8

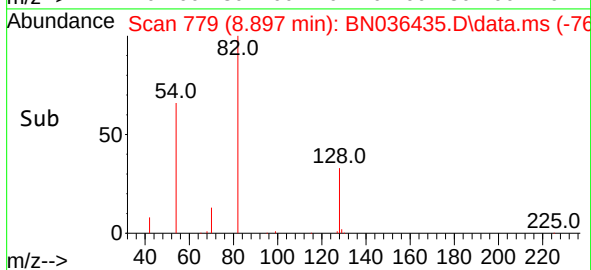
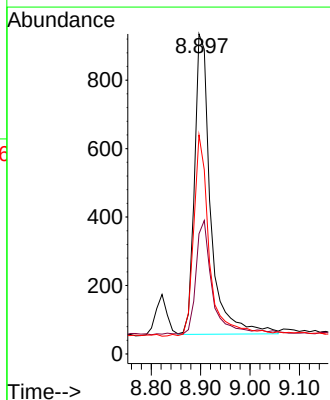
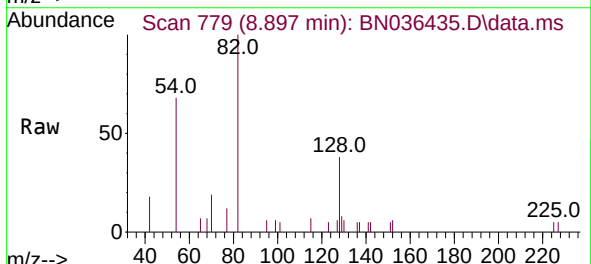
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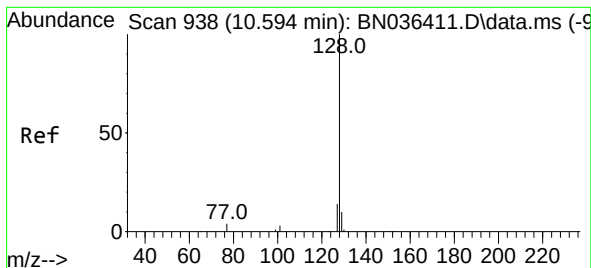
Reviewed By :Anahy Claudio 02/13/2025
Supervised By :Jagrut Upadhyay 02/13/2025



#8
Nitrobenzene-d5
Concen: 0.294 ng
RT: 8.897 min Scan# 779
Delta R.T. -0.011 min
Lab File: BN036435.D
Acq: 12 Feb 2025 11:31

Tgt Ion: 82 Resp: 1994
Ion Ratio Lower Upper
82 100
128 37.5 31.9 47.9
54 68.4 53.1 79.7





#9

Naphthalene

Concen: 0.186 ng

RT: 10.594 min Scan# 91

Delta R.T. 0.000 min

Lab File: BN036435.D

Acq: 12 Feb 2025 11:31

Instrument :

BNA_N

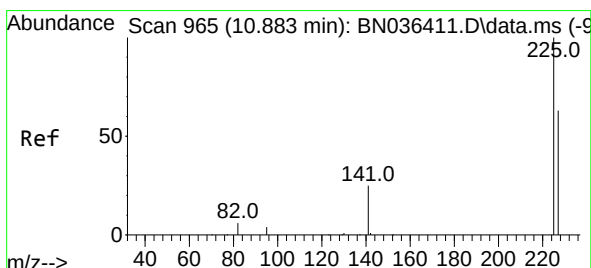
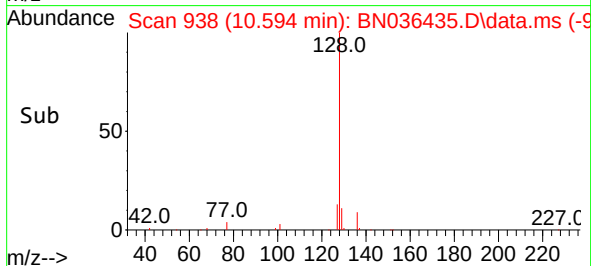
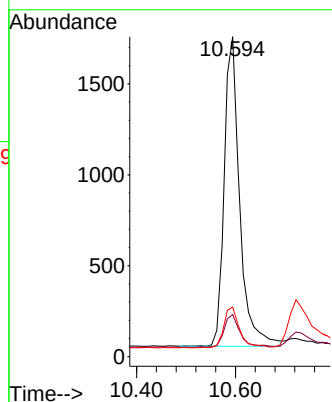
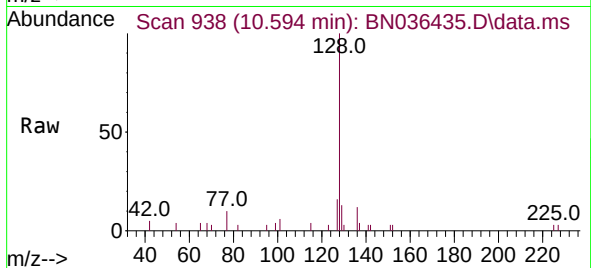
ClientSampleId :

MDL-SOIL-03-QT1-2025

Tgt Ion:	128	Resp:	369
Ion Ratio	Lower	Upper	
128	100		
129	13.1	9.6	14.4
127	15.5	12.0	18.0

Manual Integrations
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Reviewed By :Anahy Claudio 02/13/2025
Supervised By :Jagrut Upadhyay 02/13/2025



#10

Hexachlorobutadiene

Concen: 0.197 ng

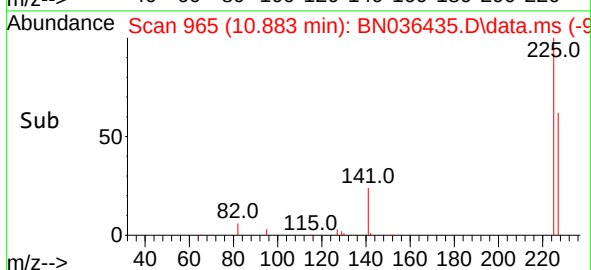
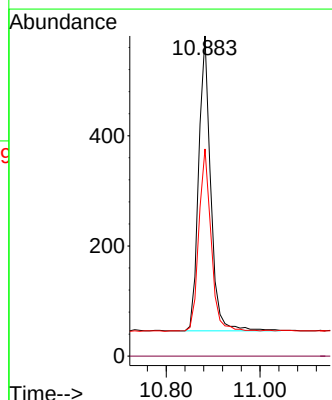
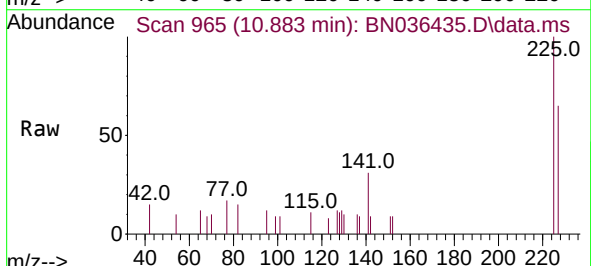
RT: 10.883 min Scan# 965

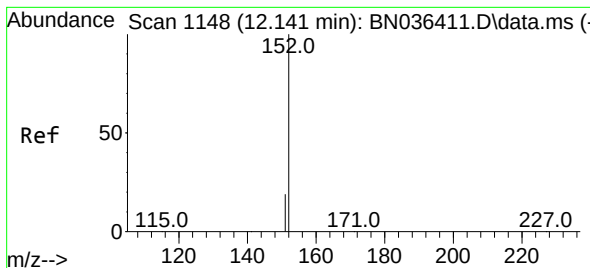
Delta R.T. 0.000 min

Lab File: BN036435.D

Acq: 12 Feb 2025 11:31

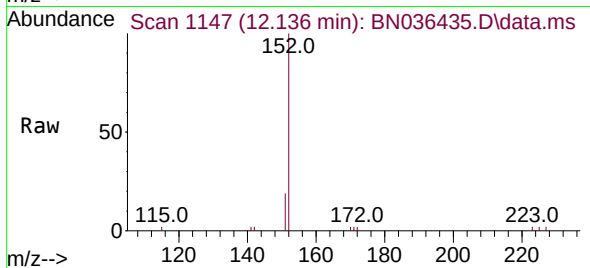
Tgt Ion:	225	Resp:	951
Ion Ratio	Lower	Upper	
225	100		
223	0.0	0.0	0.0
227	63.6	50.9	76.3





#11
2-Methylnaphthalene-d10
Concen: 0.529 ng
RT: 12.136 min Scan# 1147
Delta R.T. -0.005 min
Lab File: BN036435.D
Acq: 12 Feb 2025 11:31

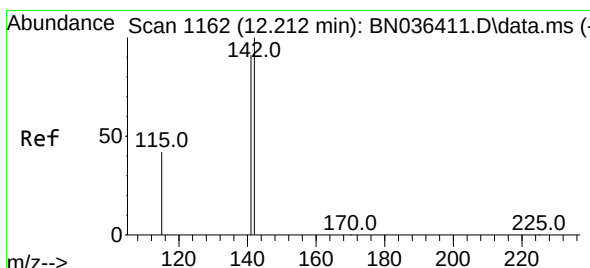
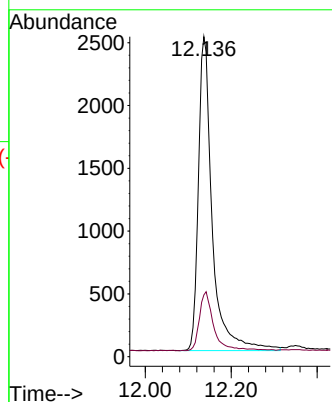
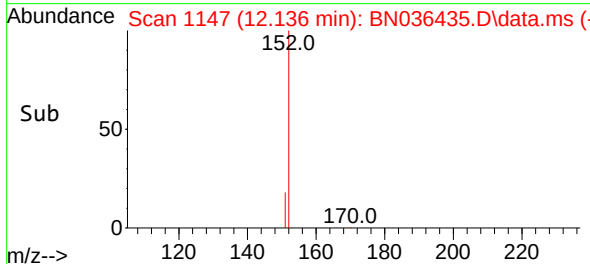
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-03-QT1-2025



Tgt Ion:152 Resp: 5584
Ion Ratio Lower Upper
152 100
151 19.1 16.6 25.0

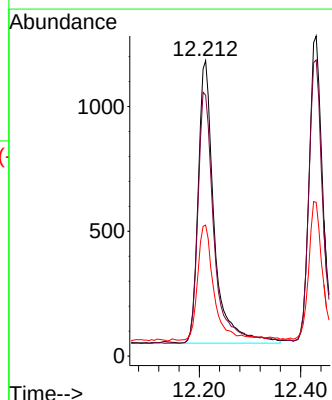
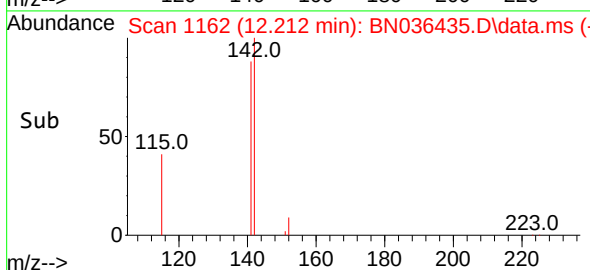
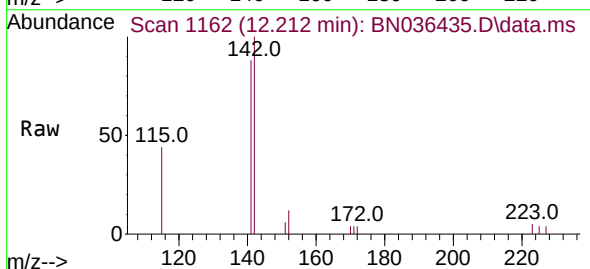
Manual Integrations
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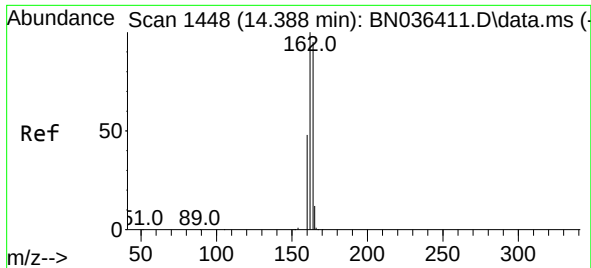
Reviewed By :Anahy Claudio 02/13/2025
Supervised By :Jagrut Upadhyay 02/13/2025



#12
2-Methylnaphthalene
Concen: 0.191 ng
RT: 12.212 min Scan# 1162
Delta R.T. 0.000 min
Lab File: BN036435.D
Acq: 12 Feb 2025 11:31

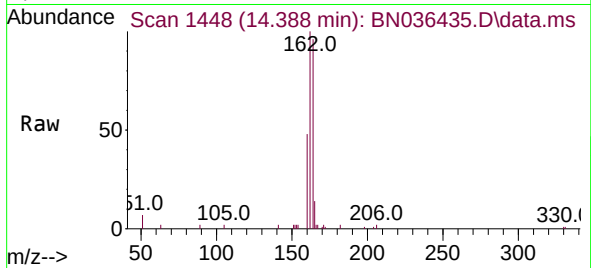
Tgt Ion:142 Resp: 2486
Ion Ratio Lower Upper
142 100
141 88.3 72.8 109.2
115 44.3 35.5 53.3





#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.388 min Scan# 1448
Delta R.T. 0.000 min
Lab File: BN036435.D
Acq: 12 Feb 2025 11:31

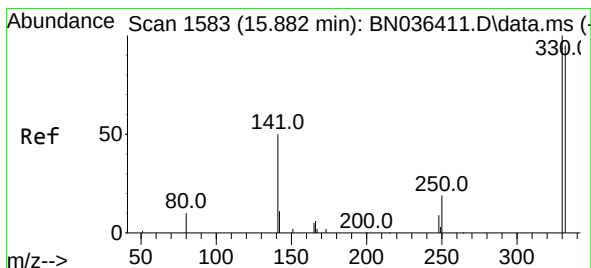
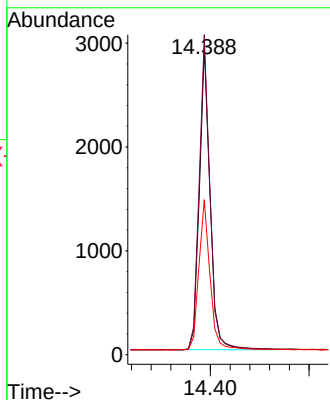
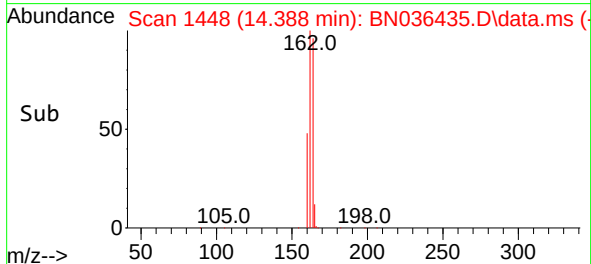
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-03-QT1-2025



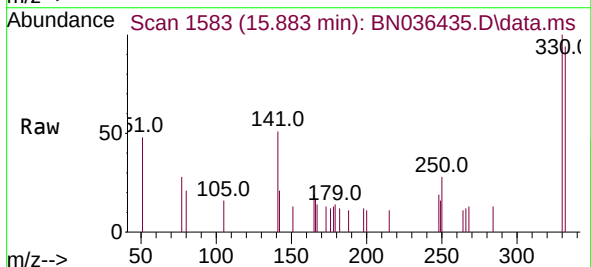
Tgt Ion:164 Resp: 440
Ion Ratio Lower Upper
164 100
162 104.2 84.1 126.1
160 50.5 41.4 62.0

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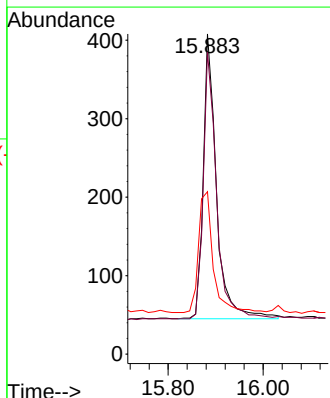
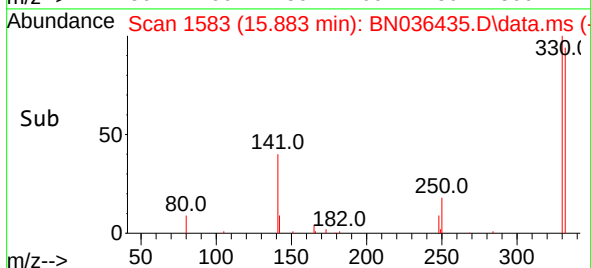
Reviewed By :Anahy Claudio 02/13/2025
Supervised By :Jagrut Upadhyay 02/13/2025

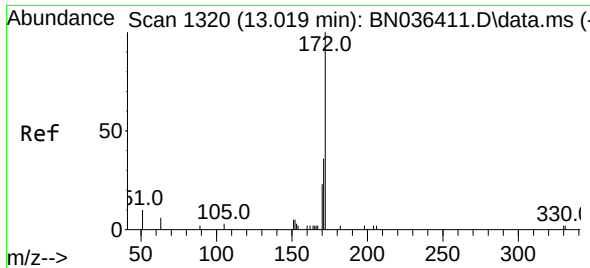


#14
2,4,6-Tribromophenol
Concen: 0.324 ng
RT: 15.883 min Scan# 1583
Delta R.T. 0.000 min
Lab File: BN036435.D
Acq: 12 Feb 2025 11:31



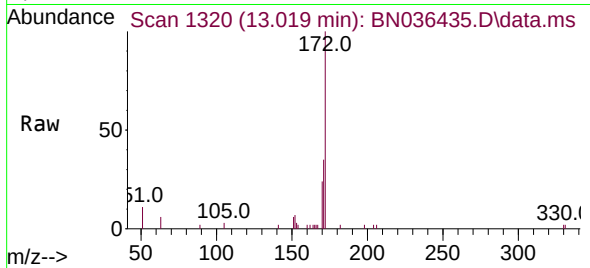
Tgt Ion:330 Resp: 708
Ion Ratio Lower Upper
330 100
332 93.6 76.6 114.8
141 46.8 37.8 56.8





#15
2-Fluorobiphenyl
Concen: 0.313 ng
RT: 13.019 min Scan# 1320
Delta R.T. 0.000 min
Lab File: BN036435.D
Acq: 12 Feb 2025 11:31

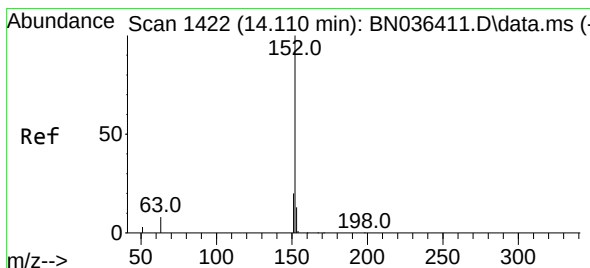
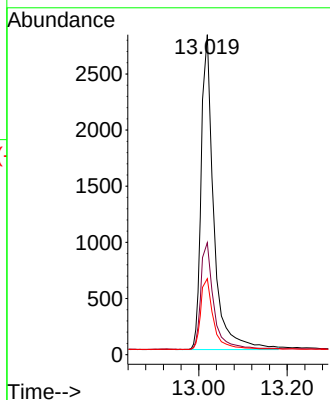
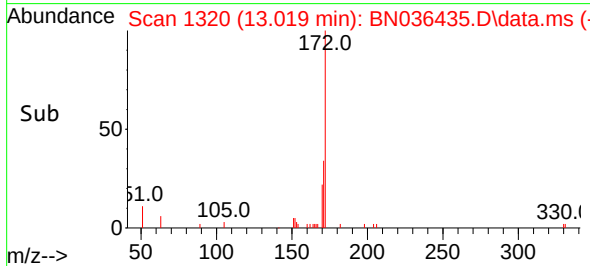
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-03-QT1-2025



Tgt Ion:172 Resp: 5178
Ion Ratio Lower Upper
172 100
171 35.0 29.6 44.4
170 23.7 19.8 29.6

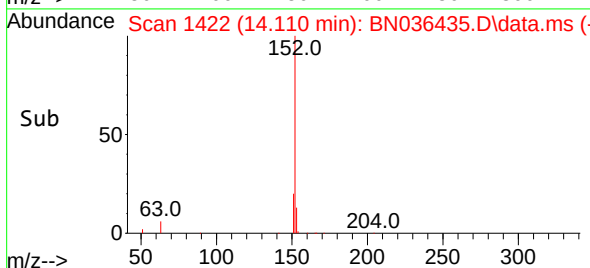
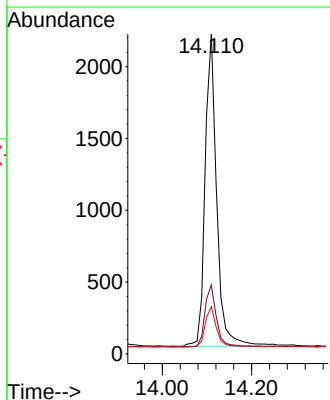
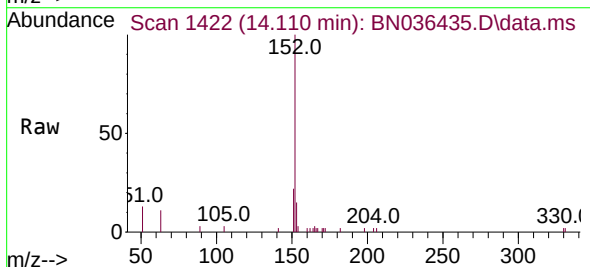
Manual Integrations
APPROVED

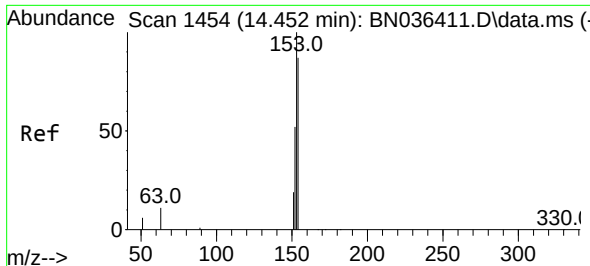
Reviewed By :Anahy Claudio 02/13/2025
Supervised By :Jagrut Upadhyay 02/13/2025



#16
Acenaphthylene
Concen: 0.201 ng
RT: 14.110 min Scan# 1422
Delta R.T. 0.000 min
Lab File: BN036435.D
Acq: 12 Feb 2025 11:31

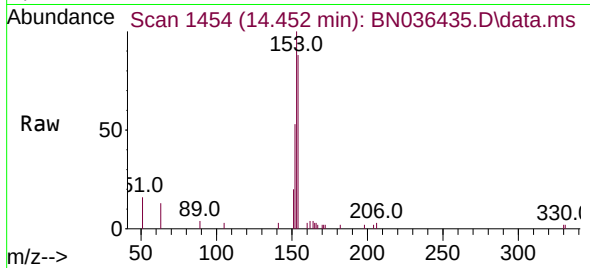
Tgt Ion:152 Resp: 3909
Ion Ratio Lower Upper
152 100
151 20.0 15.8 23.8
153 13.0 10.2 15.2





#17
Acenaphthene
Concen: 0.195 ng
RT: 14.452 min Scan# 1454
Delta R.T. 0.000 min
Lab File: BN036435.D
Acq: 12 Feb 2025 11:31

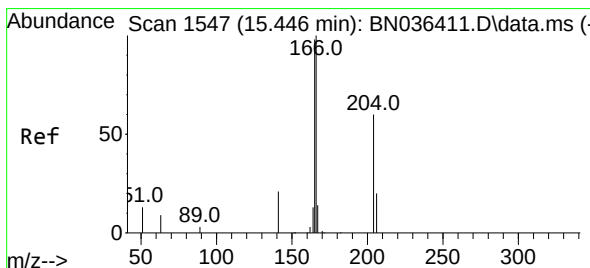
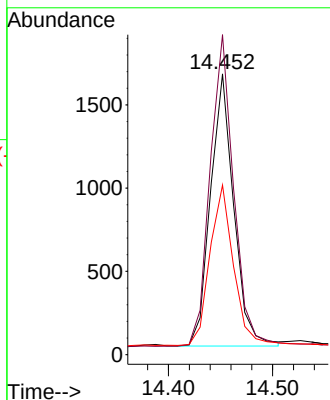
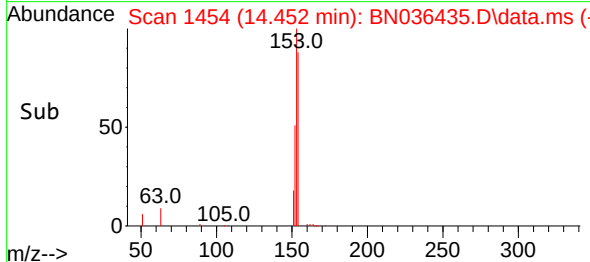
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-03-QT1-2025



Tgt Ion:154 Resp: 2530
Ion Ratio Lower Upper
154 100
153 117.9 93.3 139.9
152 61.1 48.8 73.2

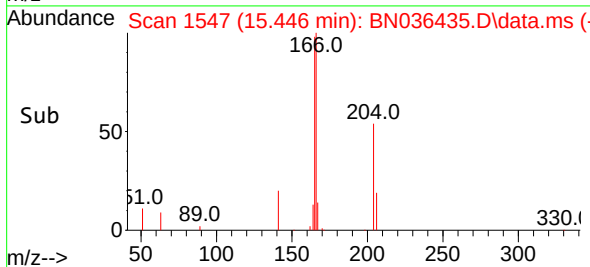
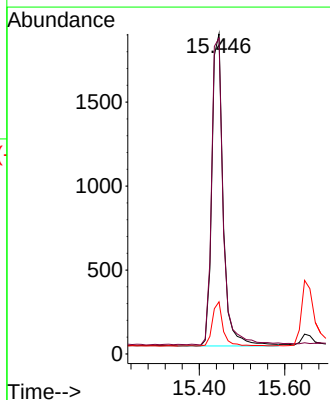
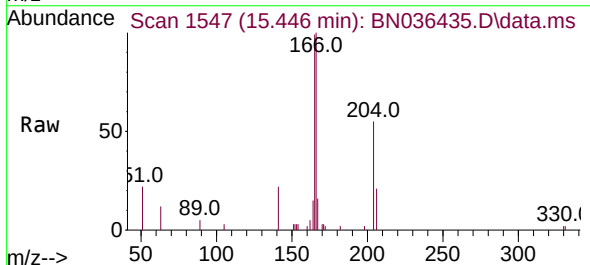
Manual Integrations
APPROVED

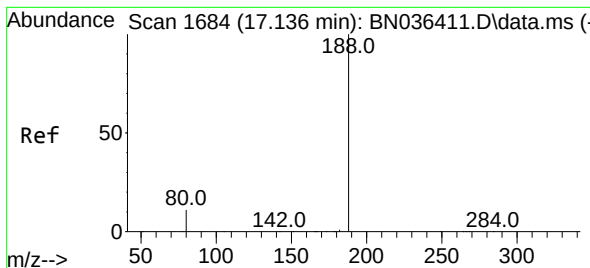
Reviewed By :Anahy Claudio 02/13/2025
Supervised By :Jagrut Upadhyay 02/13/2025



#18
Fluorene
Concen: 0.192 ng
RT: 15.446 min Scan# 1547
Delta R.T. 0.000 min
Lab File: BN036435.D
Acq: 12 Feb 2025 11:31

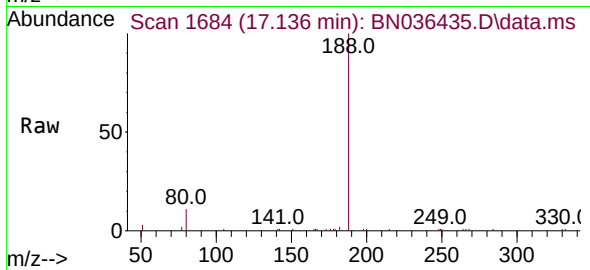
Tgt Ion:166 Resp: 3555
Ion Ratio Lower Upper
166 100
165 101.5 79.5 119.3
167 13.3 10.4 15.6





#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.136 min Scan# 11
Delta R.T. 0.000 min
Lab File: BN036435.D
Acq: 12 Feb 2025 11:31

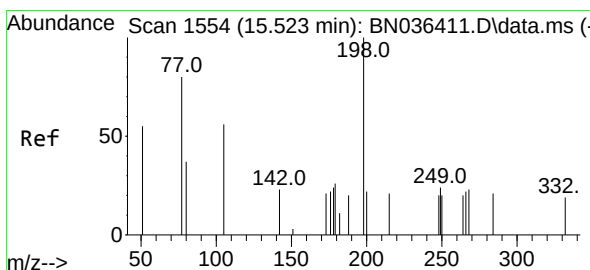
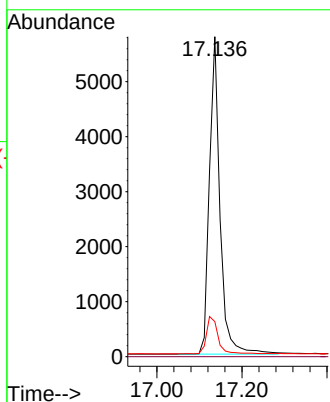
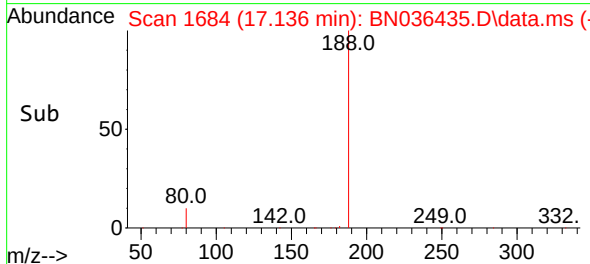
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-03-QT1-2025



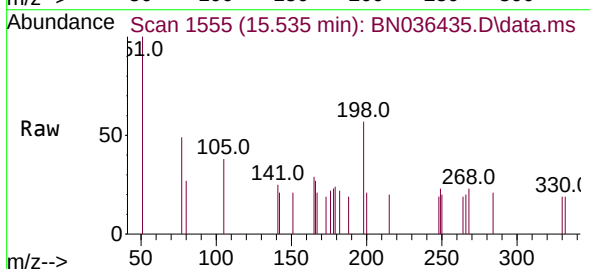
Tgt Ion:188 Resp: 997
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 11.0 9.8 14.6

Manual Integrations
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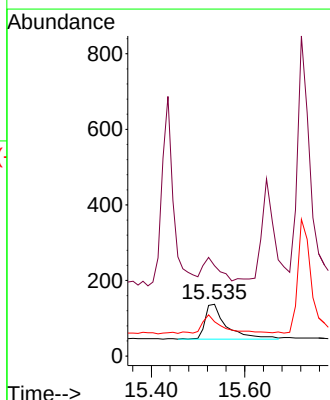
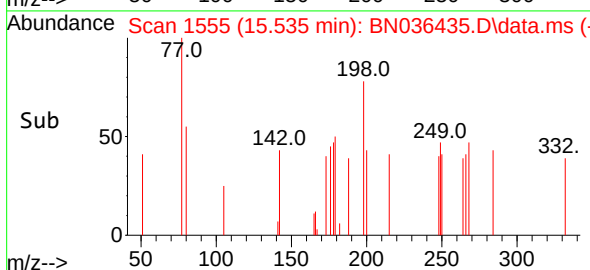
Reviewed By :Anahy Claudio 02/13/2025
Supervised By :Jagrut Upadhyay 02/13/2025

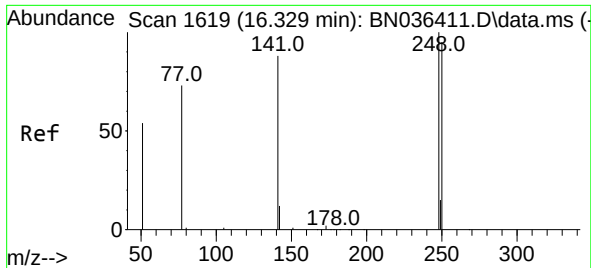


#20
4,6-Dinitro-2-methylphenol
Concen: 0.144 ng
RT: 15.535 min Scan# 1555
Delta R.T. 0.012 min
Lab File: BN036435.D
Acq: 12 Feb 2025 11:31



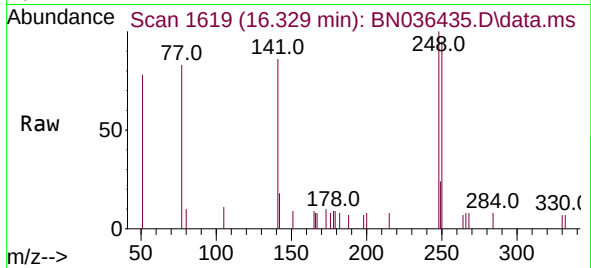
Tgt Ion:198 Resp: 282
Ion Ratio Lower Upper
198 100
51 174.5 86.6 129.8#
105 66.4 57.5 86.3





#21
4-Bromophenyl-phenylether
Concen: 0.191 ng
RT: 16.329 min Scan# 1619
Delta R.T. 0.000 min
Lab File: BN036435.D
Acq: 12 Feb 2025 11:31

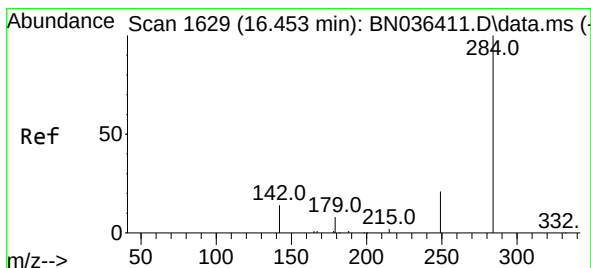
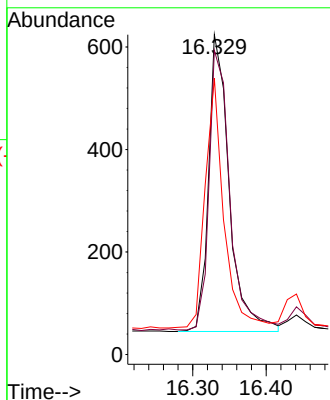
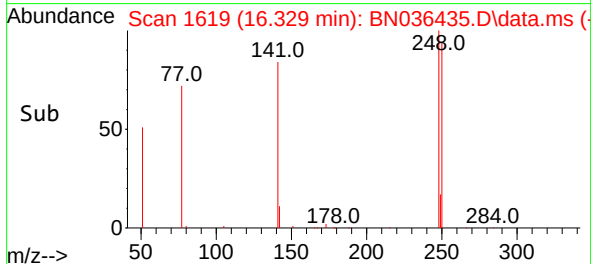
Instrument :
BNA_N
ClientSampleId :
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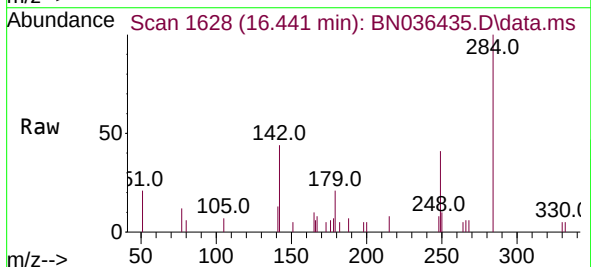
Tgt Ion:248 Resp: 1135
Ion Ratio Lower Upper
248 100
250 95.0 76.1 114.1
141 86.4 71.7 107.5

Manual Integrations
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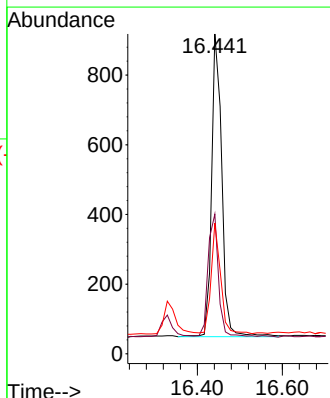
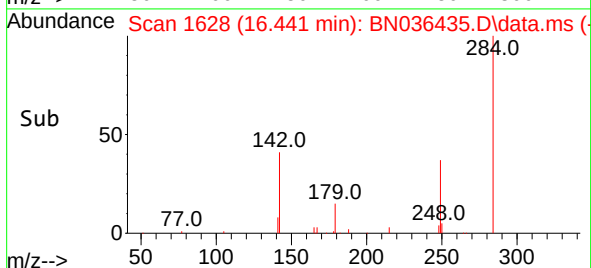
Reviewed By :Anahy Claudio 02/13/2025
Supervised By :Jagrut Upadhyay 02/13/2025

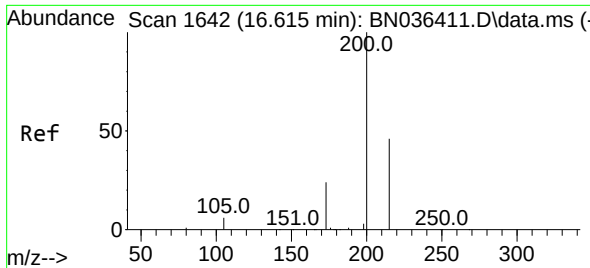


#22
Hexachlorobenzene
Concen: 0.196 ng
RT: 16.441 min Scan# 1628
Delta R.T. -0.012 min
Lab File: BN036435.D
Acq: 12 Feb 2025 11:31



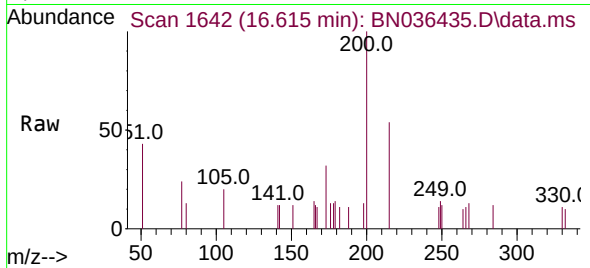
Tgt Ion:284 Resp: 1443
Ion Ratio Lower Upper
284 100
142 40.7 33.4 50.0
249 34.2 28.6 43.0





#23
 Atrazine
 Concen: 0.184 ng
 RT: 16.615 min Scan# 1642
 Delta R.T. 0.000 min
 Lab File: BN036435.D
 Acq: 12 Feb 2025 11:31

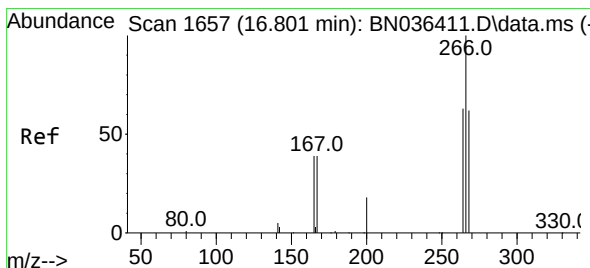
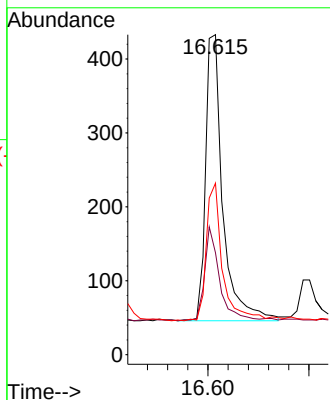
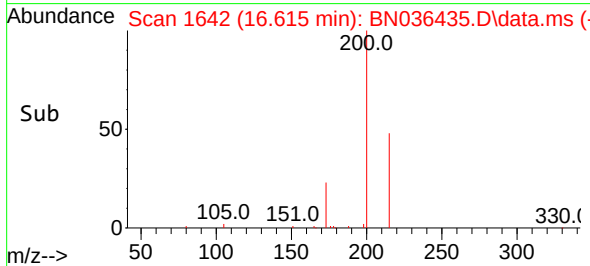
Instrument :
 BNA_N
 ClientSampleId :
 MDL-SOIL-03-QT1-2025



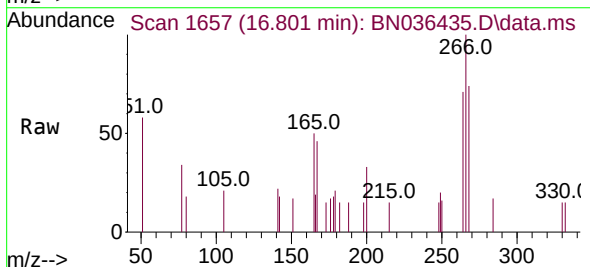
Tgt Ion:200 Resp: 91.1
 Ion Ratio Lower Upper
 200 100
 173 31.9 23.2 34.8
 215 53.6 40.0 60.0

Manual Integrations
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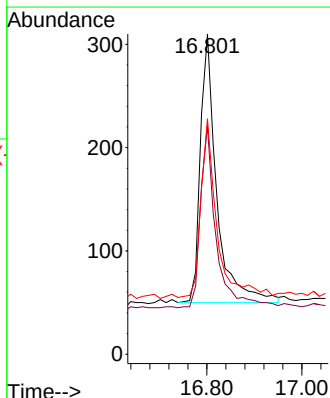
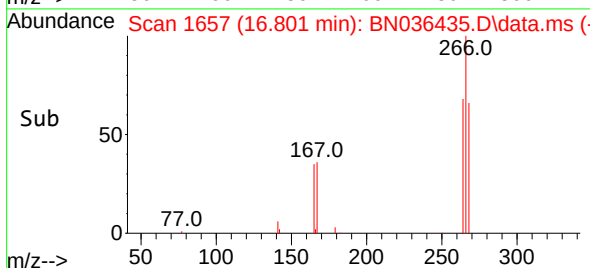
Reviewed By :Anahy Claudio 02/13/2025
 Supervised By :Jagrut Upadhyay 02/13/2025

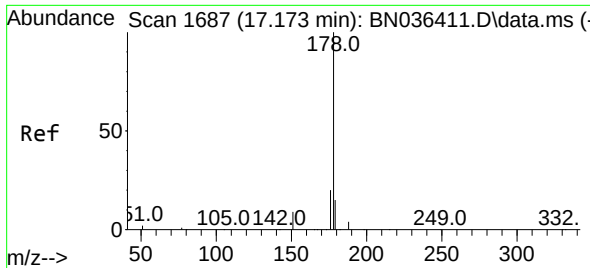


#24
 Pentachlorophenol
 Concen: 0.179 ng
 RT: 16.801 min Scan# 1657
 Delta R.T. 0.000 min
 Lab File: BN036435.D
 Acq: 12 Feb 2025 11:31



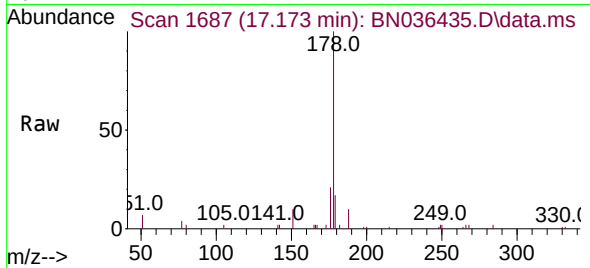
Tgt Ion:266 Resp: 626
 Ion Ratio Lower Upper
 266 100
 264 64.4 50.6 76.0
 268 64.7 51.9 77.9





#25
Phenanthrene
Concen: 0.195 ng
RT: 17.173 min Scan# 1687
Delta R.T. 0.000 min
Lab File: BN036435.D
Acq: 12 Feb 2025 11:31

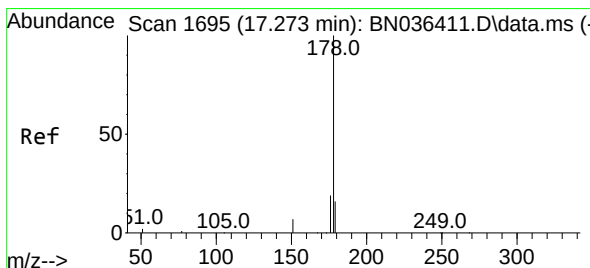
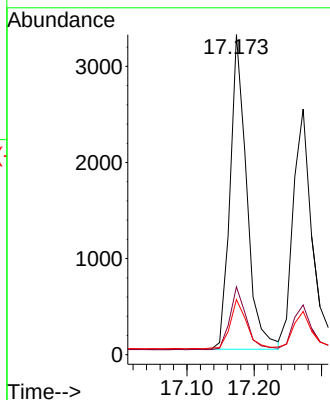
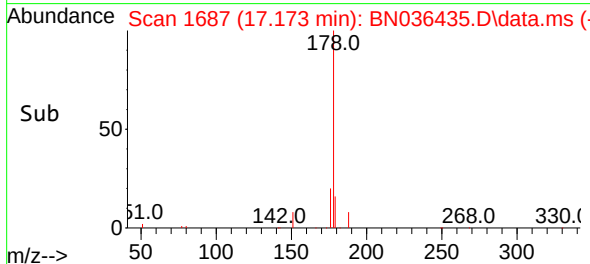
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-03-QT1-2025



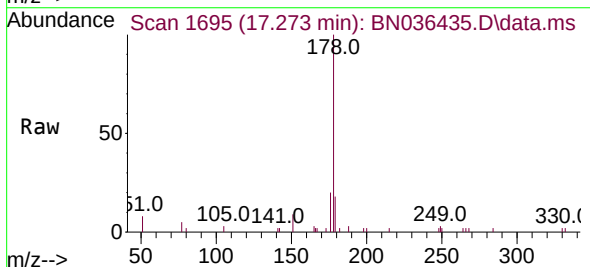
Tgt Ion:178 Resp: 562
Ion Ratio Lower Upper
178 100
176 19.9 15.7 23.5
179 15.6 12.4 18.6

Manual Integrations
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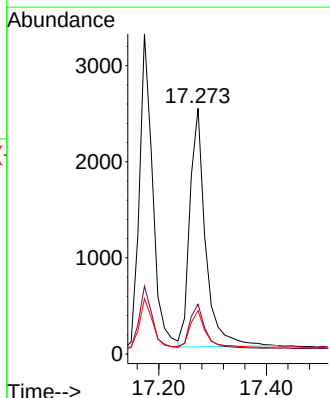
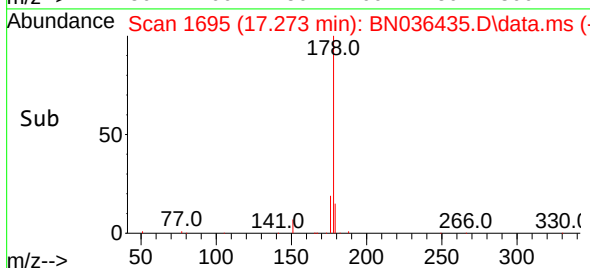
Reviewed By :Anahy Claudio 02/13/2025
Supervised By :Jagrut Upadhyay 02/13/2025

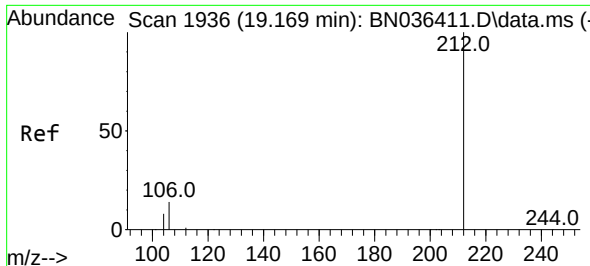


#26
Anthracene
Concen: 0.197 ng
RT: 17.273 min Scan# 1695
Delta R.T. 0.000 min
Lab File: BN036435.D
Acq: 12 Feb 2025 11:31



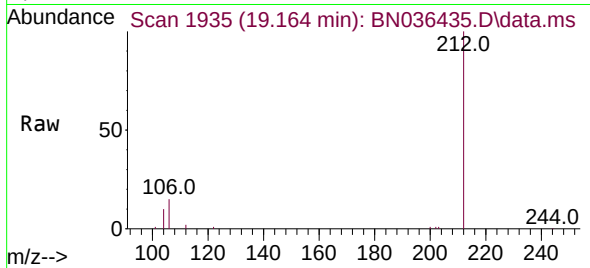
Tgt Ion:178 Resp: 5017
Ion Ratio Lower Upper
178 100
176 18.5 14.9 22.3
179 15.5 12.4 18.6





#27
Fluoranthene-d10
Concen: 0.528 ng
RT: 19.164 min Scan# 1935
Delta R.T. -0.005 min
Lab File: BN036435.D
Acq: 12 Feb 2025 11:31

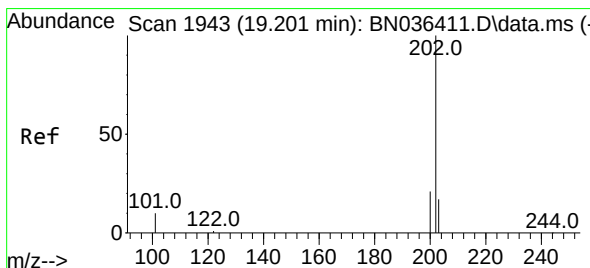
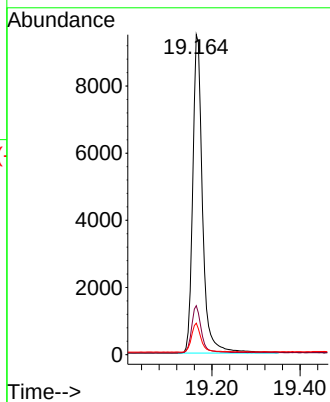
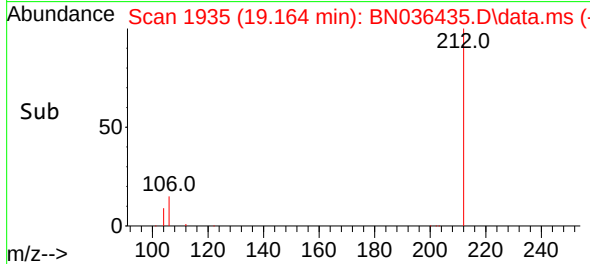
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-03-QT1-2025



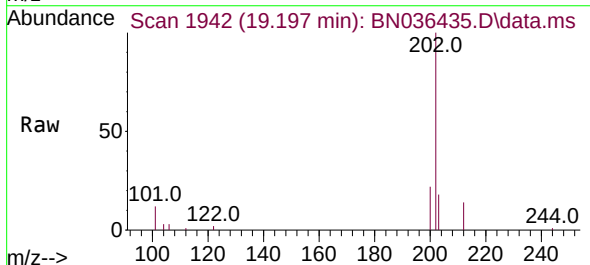
Tgt Ion:212 Resp: 1465
Ion Ratio Lower Upper
212 100
106 14.7 11.5 17.3
104 8.8 7.1 10.7

Manual Integrations
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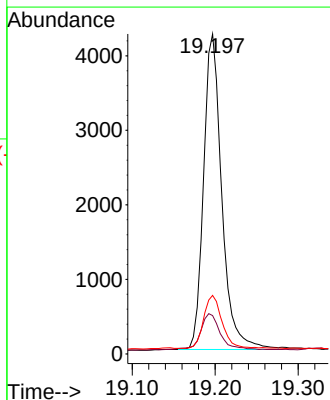
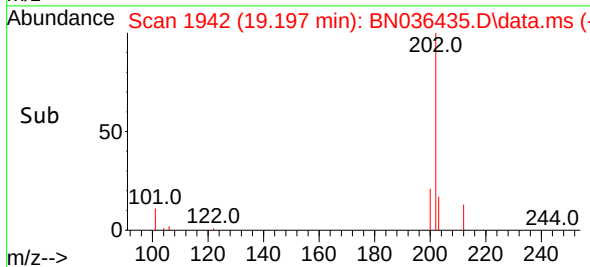
Reviewed By :Anahy Claudio 02/13/2025
Supervised By :Jagrut Upadhyay 02/13/2025

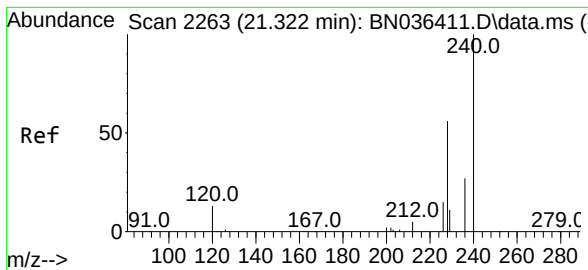


#28
Fluoranthene
Concen: 0.183 ng
RT: 19.197 min Scan# 1942
Delta R.T. -0.005 min
Lab File: BN036435.D
Acq: 12 Feb 2025 11:31



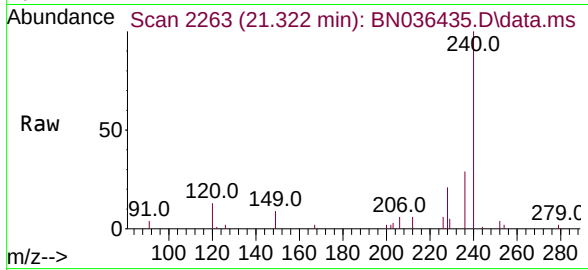
Tgt Ion:202 Resp: 6483
Ion Ratio Lower Upper
202 100
101 12.2 9.2 13.8
203 17.5 13.4 20.0





#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.322 min Scan# 21
Delta R.T. 0.000 min
Lab File: BN036435.D
Acq: 12 Feb 2025 11:31

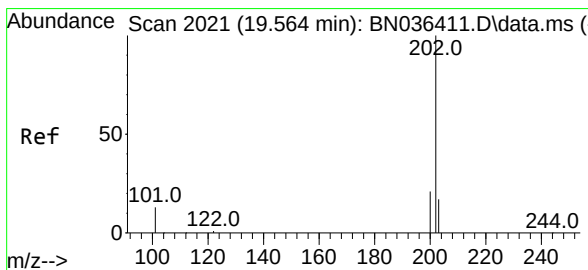
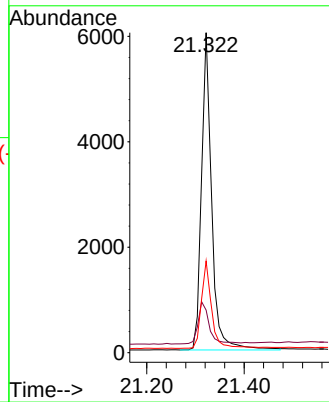
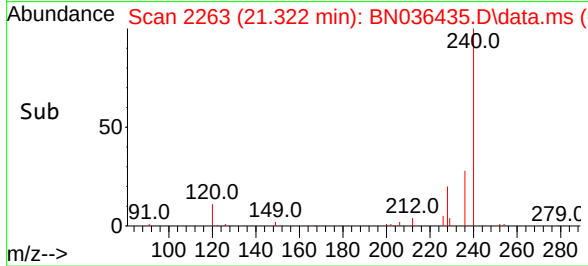
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-03-QT1-2025



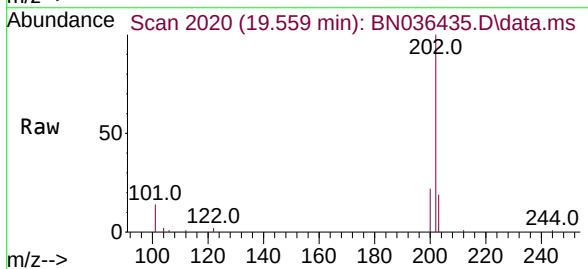
Tgt Ion:240 Resp: 8728
Ion Ratio Lower Upper
240 100
120 13.3 13.3 19.9
236 28.6 23.0 34.6

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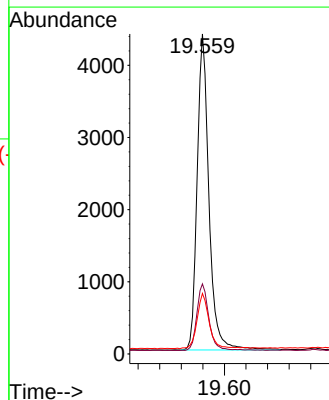
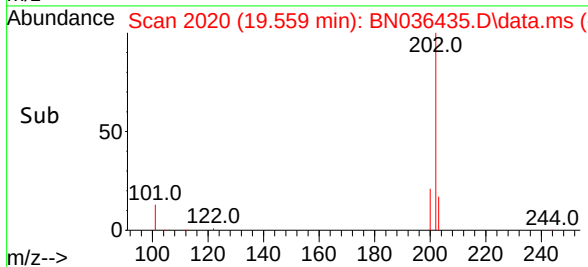
Reviewed By :Anahy Claudio 02/13/2025
Supervised By :Jagrut Upadhyay 02/13/2025

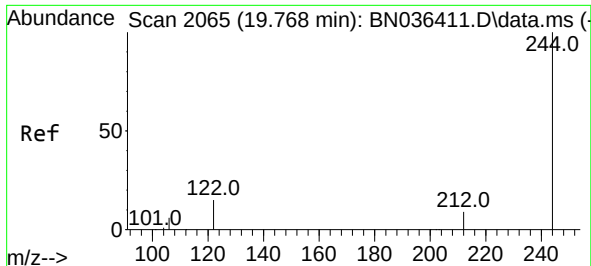


#30
Pyrene
Concen: 0.197 ng
RT: 19.559 min Scan# 2020
Delta R.T. -0.005 min
Lab File: BN036435.D
Acq: 12 Feb 2025 11:31



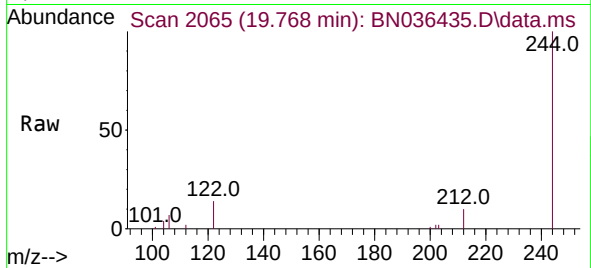
Tgt Ion:202 Resp: 6632
Ion Ratio Lower Upper
202 100
200 21.2 16.9 25.3
203 17.7 13.9 20.9





#31
 Terphenyl-d14
 Concen: 0.336 ng
 RT: 19.768 min Scan# 2065
 Delta R.T. 0.000 min
 Lab File: BN036435.D
 Acq: 12 Feb 2025 11:31

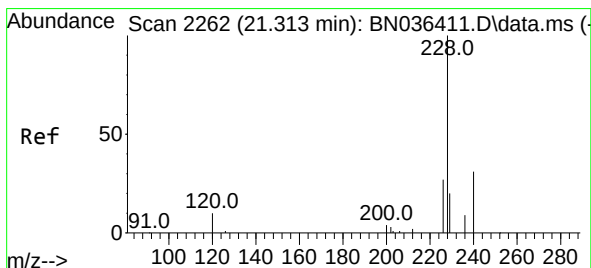
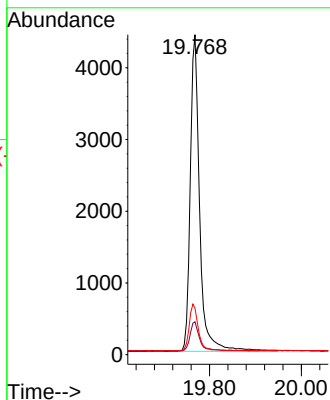
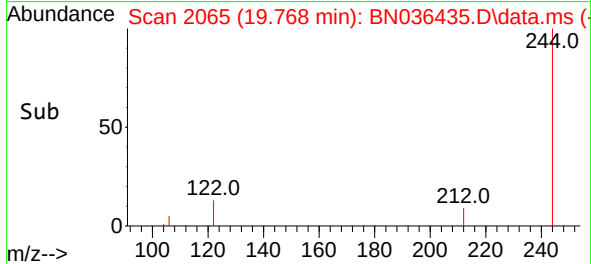
Instrument :
 BNA_N
 ClientSampleId :
 MDL-SOIL-03-QT1-2025



Tgt Ion:244 Resp: 6268
 Ion Ratio Lower Upper
 244 100
 212 10.3 8.1 12.1
 122 14.5 12.8 19.2

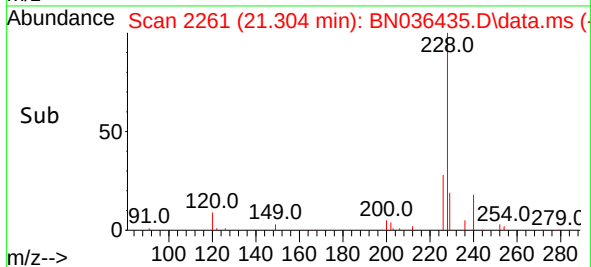
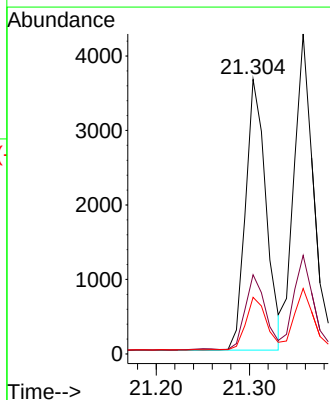
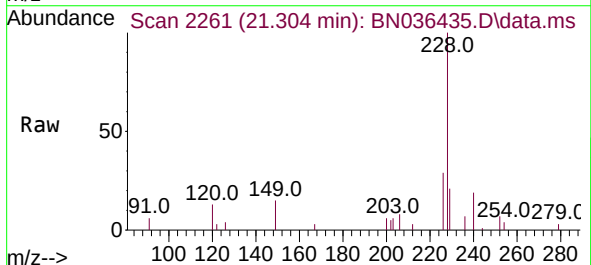
Manual Integrations
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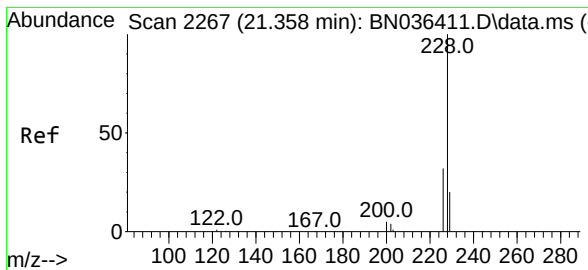
Reviewed By :Anahy Claudio 02/13/2025
 Supervised By :Jagrut Upadhyay 02/13/2025



#32
 Benzo(a)anthracene
 Concen: 0.193 ng
 RT: 21.304 min Scan# 2261
 Delta R.T. -0.009 min
 Lab File: BN036435.D
 Acq: 12 Feb 2025 11:31

Tgt Ion:228 Resp: 5547
 Ion Ratio Lower Upper
 228 100
 226 28.9 22.2 33.2
 229 20.6 16.5 24.7





#33

Chrysene

Concen: 0.208 ng

RT: 21.358 min Scan# 21

Delta R.T. 0.000 min

Lab File: BN036435.D

Acq: 12 Feb 2025 11:31

Instrument :

BNA_N

ClientSampleId :

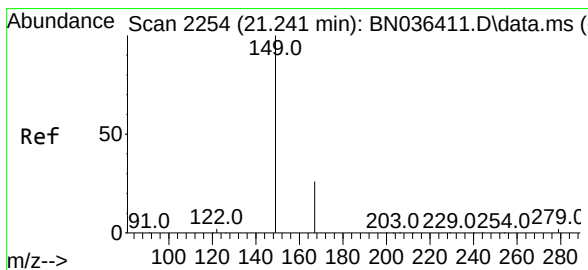
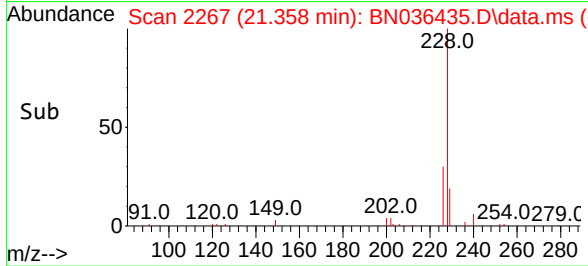
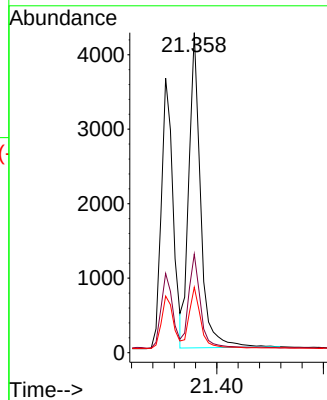
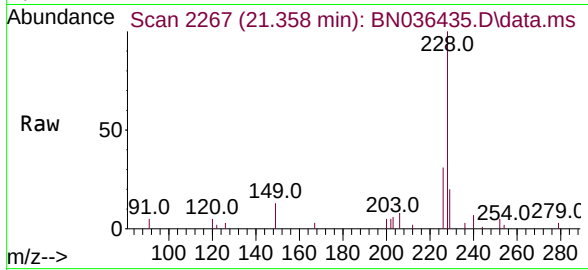
MDL-SOIL-03-QT1-2025

Tgt Ion:	228	Resp:	6460
Ion Ratio	Lower	Upper	
228	100		
226	30.8	25.5	38.3
229	20.5	16.4	24.6

Manual Integrations

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Reviewed By :Anahy Claudio 02/13/2025
Supervised By :Jagrut Upadhyay 02/13/2025



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.199 ng

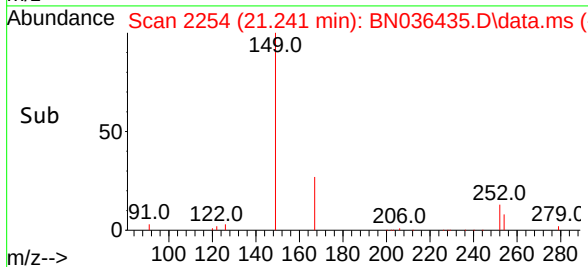
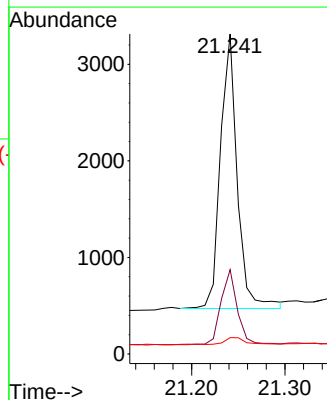
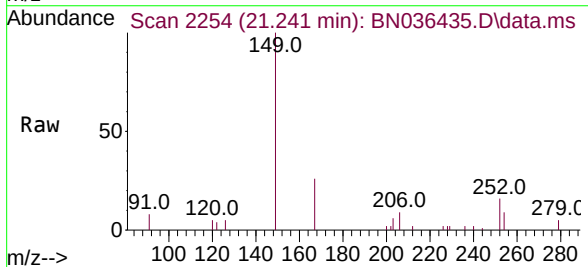
RT: 21.241 min Scan# 2254

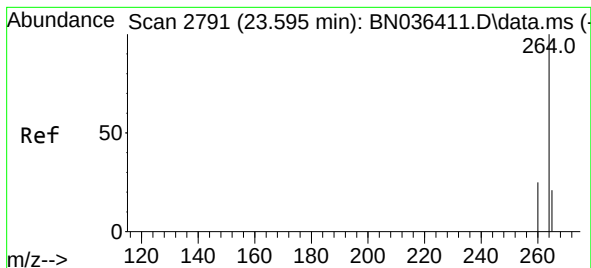
Delta R.T. 0.000 min

Lab File: BN036435.D

Acq: 12 Feb 2025 11:31

Tgt Ion:	149	Resp:	3558
Ion Ratio	Lower	Upper	
149	100		
167	26.0	21.2	31.8
279	3.6	2.7	4.1





#35

Perylene-d12

Concen: 0.400 ng

RT: 23.592 min Scan# 21

Delta R.T. -0.003 min

Lab File: BN036435.D

Acq: 12 Feb 2025 11:31

Instrument :

BNA_N

ClientSampleId :

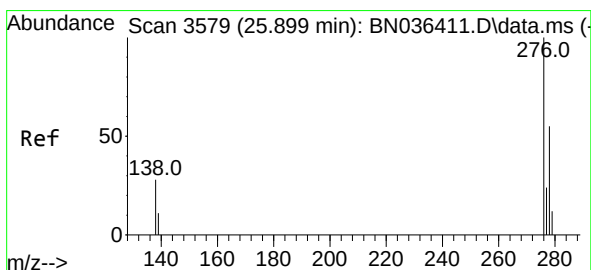
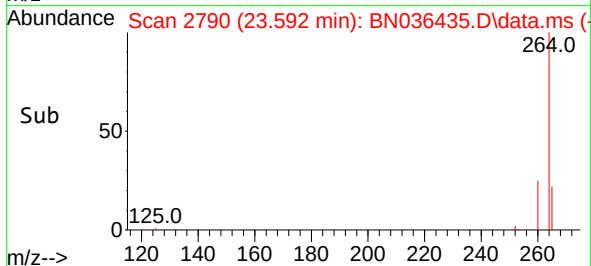
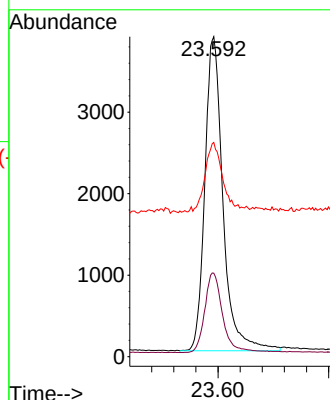
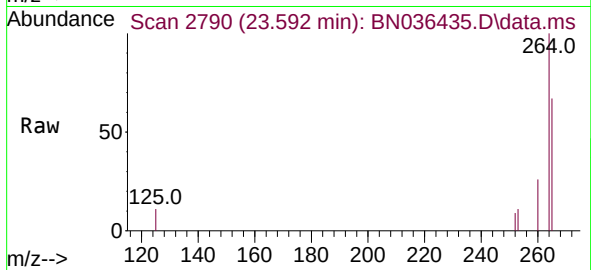
MDL-SOIL-03-QT1-2025

Tgt Ion:264 Resp: 8759
 Ion Ratio Lower Upper
 264 100
 260 26.1 20.9 31.3
 265 67.0 60.7 91.1

Manual Integrations

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Reviewed By :Anahy Claudio 02/13/2025
 Supervised By :Jagrut Upadhyay 02/13/2025



#36

Indeno(1,2,3-cd)pyrene

Concen: 0.219 ng

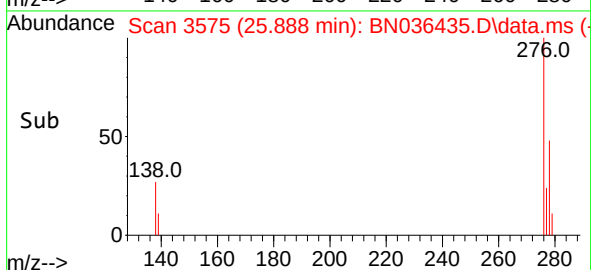
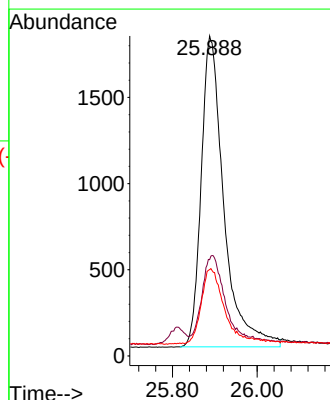
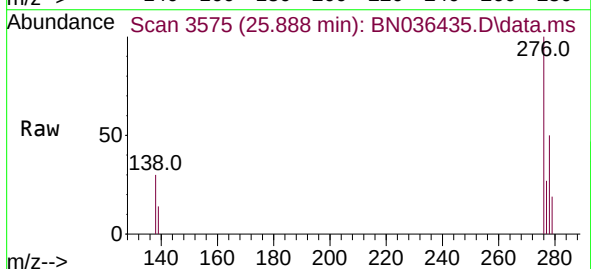
RT: 25.888 min Scan# 3575

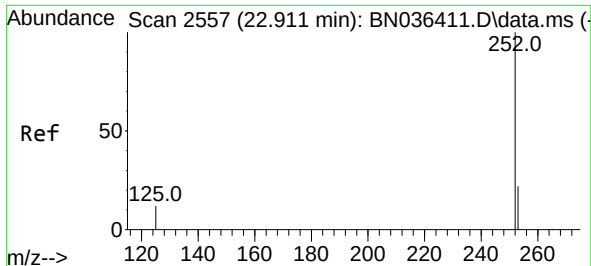
Delta R.T. -0.012 min

Lab File: BN036435.D

Acq: 12 Feb 2025 11:31

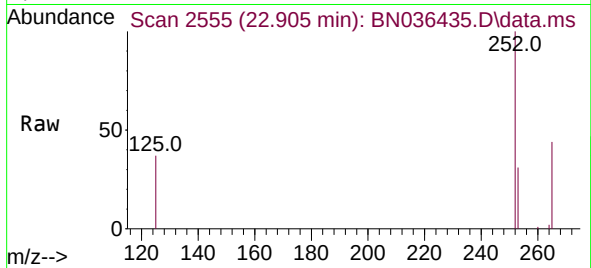
Tgt Ion:276 Resp: 6704
 Ion Ratio Lower Upper
 276 100
 138 25.7 22.2 33.2
 277 23.7 19.8 29.6





#37
Benzo(b)fluoranthene
Concen: 0.216 ng m
RT: 22.905 min Scan# 2555
Delta R.T. -0.006 min
Lab File: BN036435.D
Acq: 12 Feb 2025 11:31

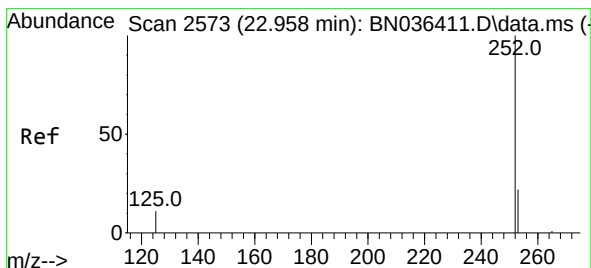
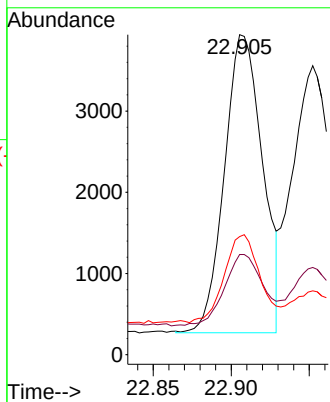
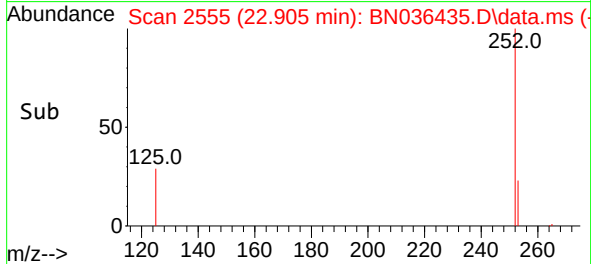
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-03-QT1-2025



Tgt Ion:252 Resp: 622
Ion Ratio Lower Upper
252 100
253 31.3 21.9 32.9
125 36.9 15.0 22.6

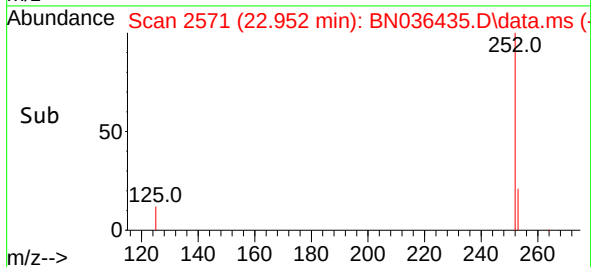
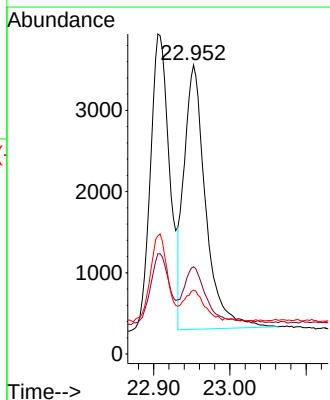
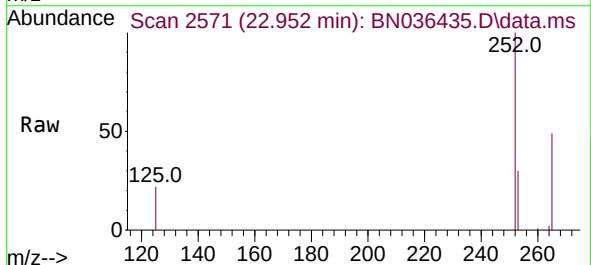
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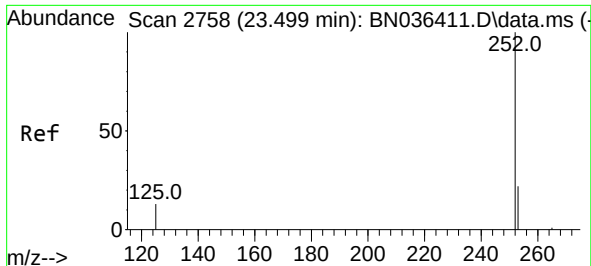
Reviewed By :Anahy Claudio 02/13/2025
Supervised By :Jagrut Upadhyay 02/13/2025



#38
Benzo(k)fluoranthene
Concen: 0.216 ng
RT: 22.952 min Scan# 2571
Delta R.T. -0.006 min
Lab File: BN036435.D
Acq: 12 Feb 2025 11:31

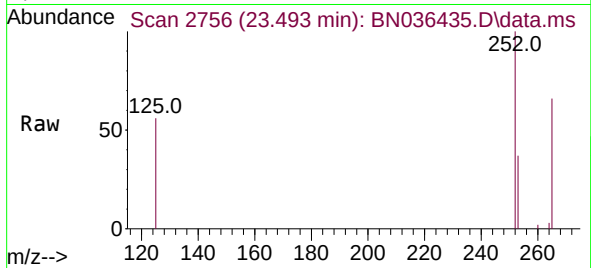
Tgt Ion:252 Resp: 6400
Ion Ratio Lower Upper
252 100
253 30.2 22.2 33.4
125 22.1 15.0 22.4





#39
Benzo(a)pyrene
Concen: 0.222 ng
RT: 23.493 min Scan# 21
Delta R.T. -0.006 min
Lab File: BN036435.D
Acq: 12 Feb 2025 11:31

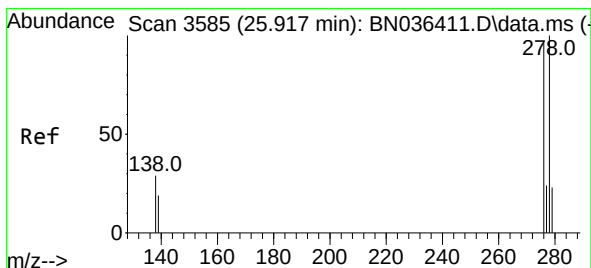
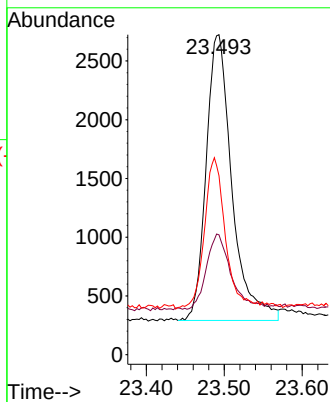
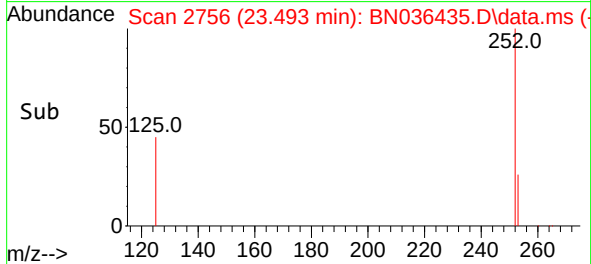
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-03-QT1-2025



Tgt Ion:252 Resp: 559
Ion Ratio Lower Upper
252 100
253 37.4 24.4 36.6
125 55.9 18.2 27.2

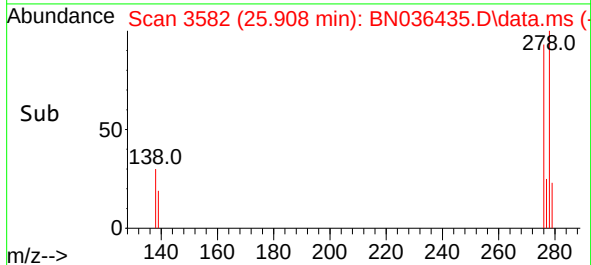
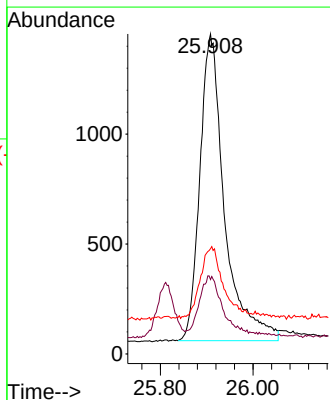
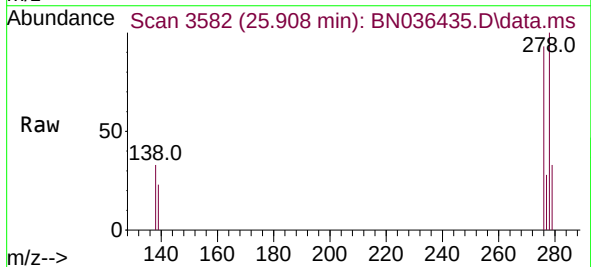
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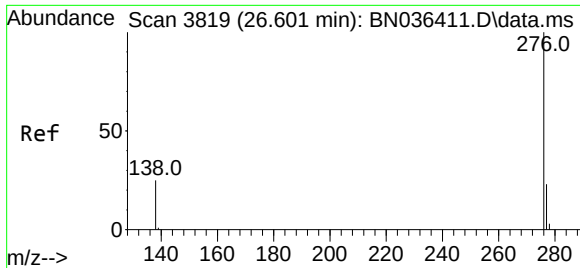
Reviewed By :Anahy Claudio 02/13/2025
Supervised By :Jagrut Upadhyay 02/13/2025



#40
Dibenzo(a,h)anthracene
Concen: 0.213 ng
RT: 25.908 min Scan# 3582
Delta R.T. -0.009 min
Lab File: BN036435.D
Acq: 12 Feb 2025 11:31

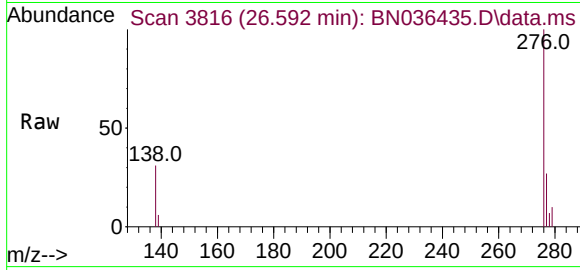
Tgt Ion:278 Resp: 5154
Ion Ratio Lower Upper
278 100
139 23.2 18.5 27.7
279 32.9 24.8 37.2





#41
Benzo(g,h,i)perylene
Concen: 0.212 ng
RT: 26.592 min Scan# 3816
Delta R.T. -0.009 min
Lab File: BN036435.D
Acq: 12 Feb 2025 11:31

Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-03-QT1-2025



Tgt Ion: 276 Resp: 580
Ion Ratio Lower Upper
276 100
277 26.9 20.7 31.1
138 30.8 21.8 32.6

Manual Integrations
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Reviewed By :Anahy Claudio 02/13/2025
Supervised By :Jagrut Upadhyay 02/13/2025

