

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN011923\
 Data File : BN023713.D
 Acq On : 19 Jan 2023 11:29
 Operator : CG/JU
 Sample : N3980-03
 Misc : MDL-MDL-SOIL 0.2ng
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 MDL-SOIL-03-QT3-2022

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 01/20/2023
 Supervised By : Jagrut Upadhyay 01/20/2023

Quant Time: Jan 20 04:32:29 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN011823.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 20 04:31:55 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.992	152	4150	0.400	ng	0.00
7) Naphthalene-d8	10.818	136	12172	0.400	ng	0.00
13) Acenaphthene-d10	14.655	164	6286	0.400	ng	0.01
19) Phenanthrene-d10	17.402	188	15161	0.400	ng	0.00
29) Chrysene-d12	21.598	240	13170	0.400	ng	0.00
35) Perylene-d12	24.079	264	11336	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.529	112	2764	0.317	ng	0.00
5) Phenol-d6	7.154	99	3287	0.317	ng	0.00
8) Nitrobenzene-d5	9.163	82	2444	0.254	ng	0.00
11) 2-Methylnaphthalene-d10	12.408	152	8331	0.495	ng	0.00
14) 2,4,6-Tribromophenol	16.148	330	706	0.264	ng	0.00
15) 2-Fluorobiphenyl	13.276	172	7112	0.266	ng	0.00
27) Fluoranthene-d10	19.435	212	15373	0.432	ng	0.00
31) Terphenyl-d14	20.031	244	6120	0.295	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.355	88	934	0.212	ng	98
3) n-Nitrosodimethylamine	3.701	42	1051	0.204	ng	100
6) bis(2-Chloroethyl)ether	7.414	93	2569	0.240	ng	98
9) Naphthalene	10.872	128	6323	0.201	ng	98
10) Hexachlorobutadiene	11.160	225	1302	0.204	ng	# 100
12) 2-Methylnaphthalene	12.484	142	4522	0.204	ng	97
16) Acenaphthylene	14.377	152	4622	0.181	ng	100
17) Acenaphthene	14.720	154	3185	0.178	ng	99
18) Fluorene	15.703	166	4280	0.169	ng	99
20) 4,6-Dinitro-2-methylph...	15.788	198	315	0.147	ng	# 65
21) 4-Bromophenyl-phenylether	16.595	248	1484	0.171	ng	95
22) Hexachlorobenzene	16.707	284	1998	0.188	ng	99
23) Atrazine	16.868	200	1074	0.173	ng	# 96
24) Pentachlorophenol	17.054	266	612	0.169	ng	99
25) Phenanthrene	17.439	178	7855	0.178	ng	99
26) Anthracene	17.538	178	6336	0.178	ng	100
28) Fluoranthene	19.464	202	8804	0.183	ng	100
30) Pyrene	19.831	202	8637	0.177	ng	100
32) Benzo(a)anthracene	21.580	228	7116	0.170	ng	99
33) Chrysene	21.634	228	8681	0.185	ng	99
34) Bis(2-ethylhexyl)phtha...	21.500	149	3560	0.191	ng	98
36) Indeno(1,2,3-cd)pyrene	26.693	276	9114	0.180	ng	99
37) Benzo(b)fluoranthene	23.316	252	8918m	0.189	ng	
38) Benzo(k)fluoranthene	23.366	252	8202	0.172	ng	# 95
39) Benzo(a)pyrene	23.968	252	7351	0.212	ng	# 86
40) Dibenzo(a,h)anthracene	26.717	278	7441	0.182	ng	95
41) Benzo(g,h,i)perylene	27.497	276	7339	0.170	ng	98

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

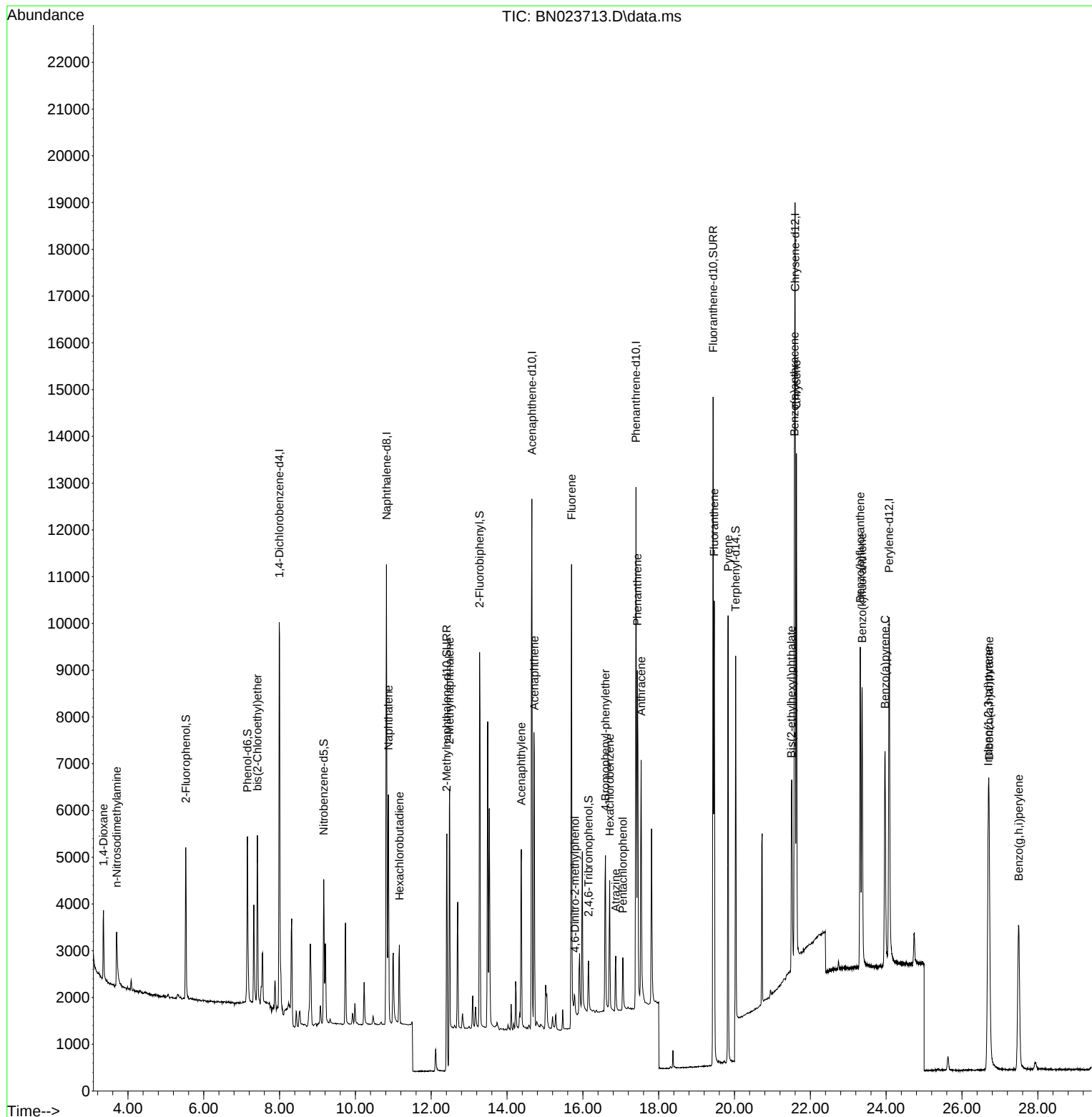
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 Data File : BN023713.D
 Acq On : 19 Jan 2023 11:29
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 Misc : MDL-MDL-SOIL 0.2ng
 ALS Vial : 5 Sample Multiplier: 1

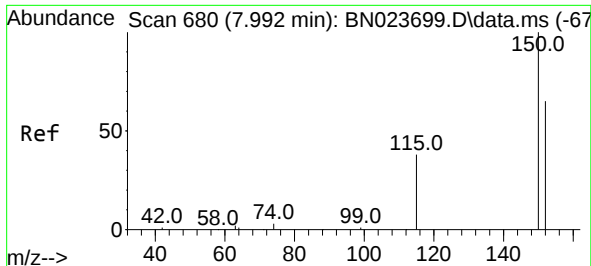
Instrument :
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Quant Time: Jan 20 04:32:29 2023
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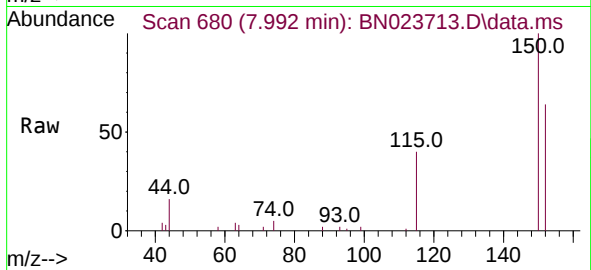
Reviewed By : Christian Giraldo 01/20/2023
 Supervised By : Jagrut Upadhyay 01/20/2023





#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.992 min Scan# 680
 Delta R.T. -0.000 min
 Lab File: BN023713.D
 Acq: 19 Jan 2023 11:29

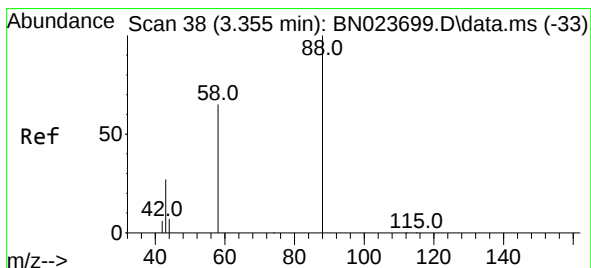
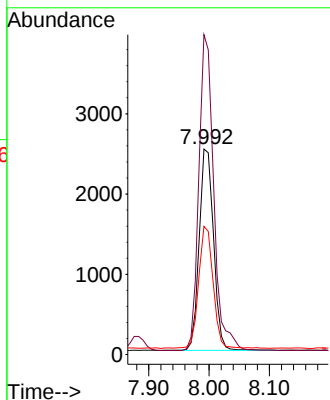
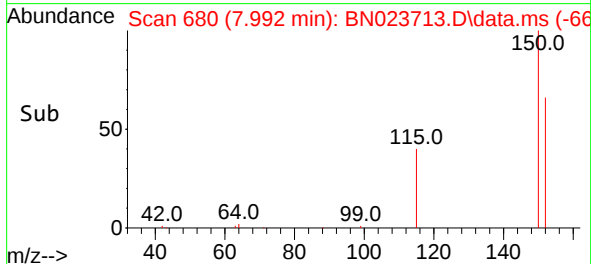
Instrument :
 BNA_N
 ClientSampleId :
 MDL-SOIL-03-QT3-2022



Tgt Ion:152 Resp: 4150
 Ion Ratio Lower Upper
 152 100
 150 155.7 122.4 183.6
 115 62.4 48.2 72.4

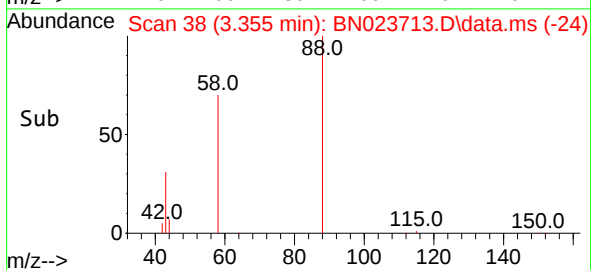
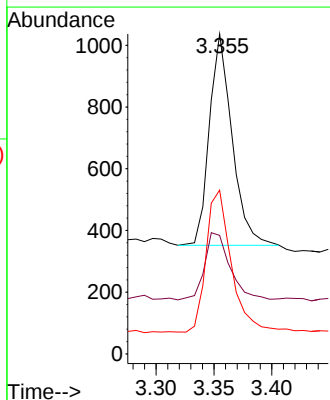
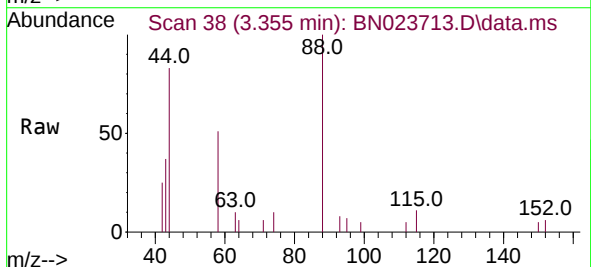
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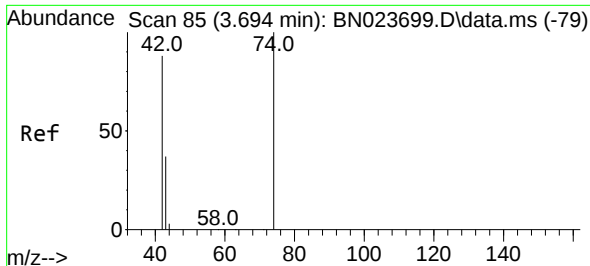
Reviewed By :Christian Giraldo 01/20/2023
 Supervised By :Jagrut Upadhyay 01/20/2023



#2
 1,4-Dioxane
 Concen: 0.212 ng
 RT: 3.355 min Scan# 38
 Delta R.T. -0.000 min
 Lab File: BN023713.D
 Acq: 19 Jan 2023 11:29

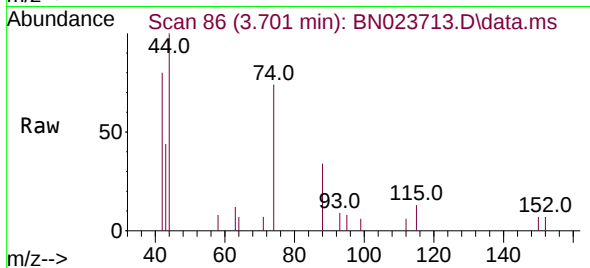
Tgt Ion: 88 Resp: 934
 Ion Ratio Lower Upper
 88 100
 43 35.5 26.8 40.2
 58 74.1 58.5 87.7





#3
n-Nitrosodimethylamine
Concen: 0.204 ng
RT: 3.701 min Scan# 80
Delta R.T. 0.007 min
Lab File: BN023713.D
Acq: 19 Jan 2023 11:29

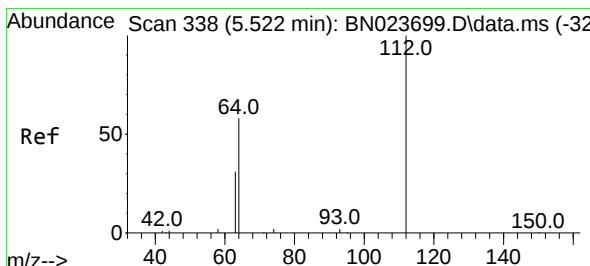
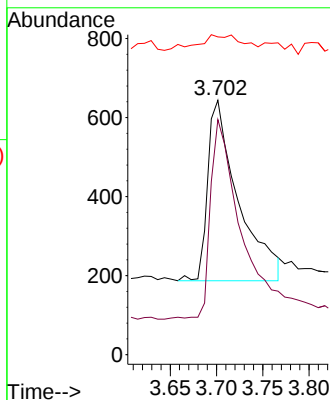
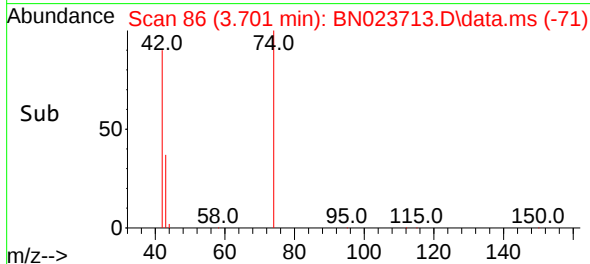
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-03-QT3-2022



Tgt Ion: 42 Resp: 105
Ion Ratio Lower Upper
42 100
74 108.8 87.4 131.2
44 11.8 9.4 14.2

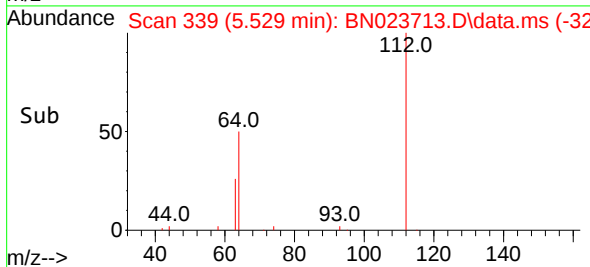
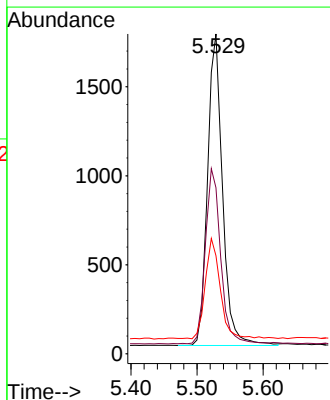
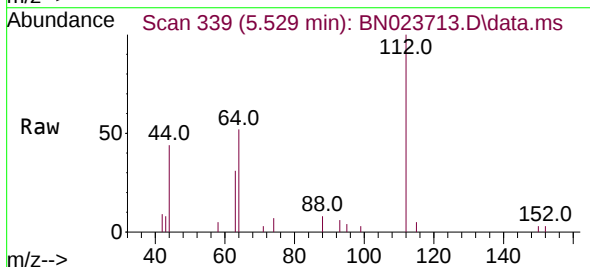
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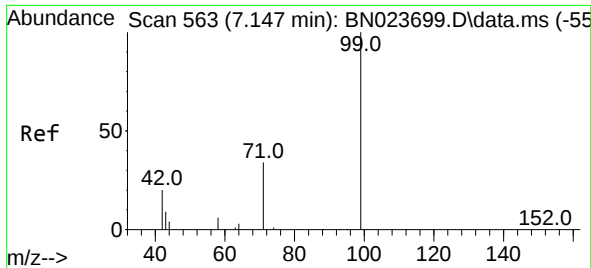
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Supervised By :Jagrut Upadhyay 01/20/2023



#4
2-Fluorophenol
Concen: 0.317 ng
RT: 5.529 min Scan# 339
Delta R.T. 0.007 min
Lab File: BN023713.D
Acq: 19 Jan 2023 11:29

Tgt Ion:112 Resp: 2764
Ion Ratio Lower Upper
112 100
64 57.5 45.8 68.8
63 32.2 25.3 37.9





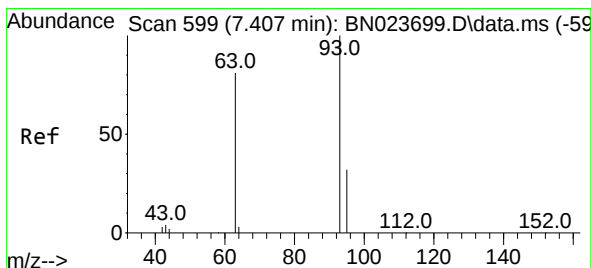
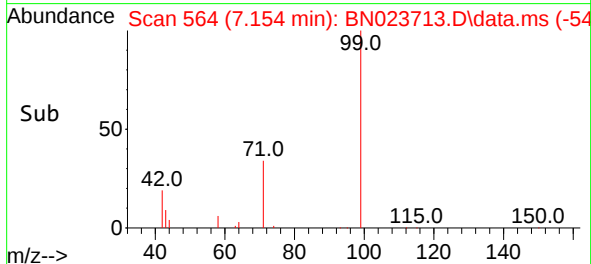
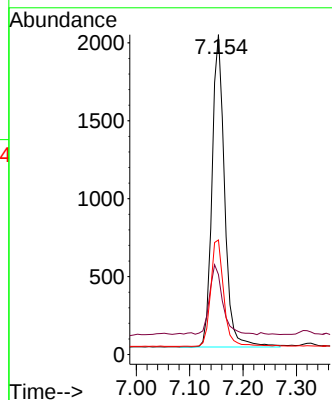
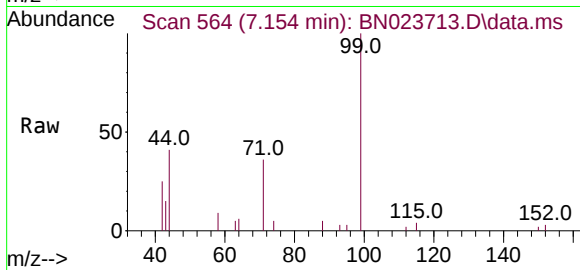
#5
Phenol-d6
Concen: 0.317 ng
RT: 7.154 min Scan# 50
Delta R.T. 0.007 min
Lab File: BN023713.D
Acq: 19 Jan 2023 11:29

Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-03-QT3-2022

Tgt Ion: 99 Resp: 328
Ion Ratio Lower Upper
99 100
42 23.5 19.4 29.0
71 35.5 28.7 43.1

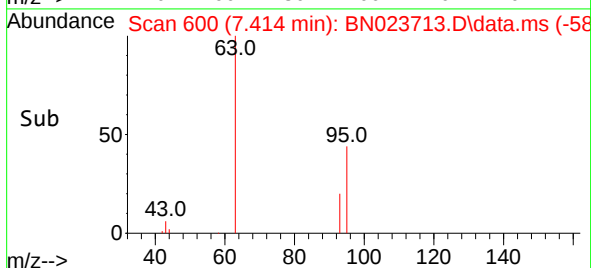
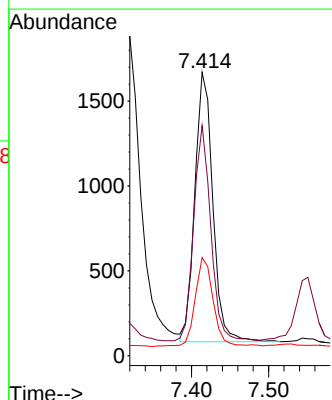
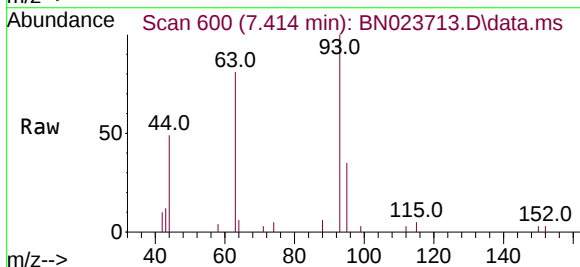
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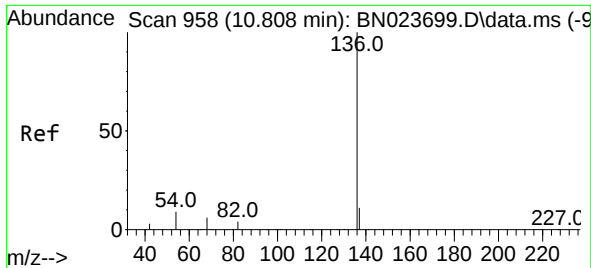
Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023



#6
bis(2-Chloroethyl)ether
Concen: 0.240 ng
RT: 7.414 min Scan# 600
Delta R.T. -0.000 min
Lab File: BN023713.D
Acq: 19 Jan 2023 11:29

Tgt Ion: 93 Resp: 2569
Ion Ratio Lower Upper
93 100
63 75.6 61.8 92.6
95 33.2 25.9 38.9





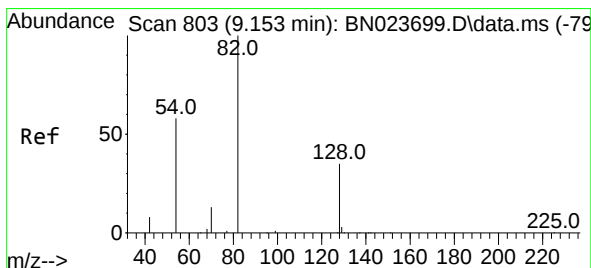
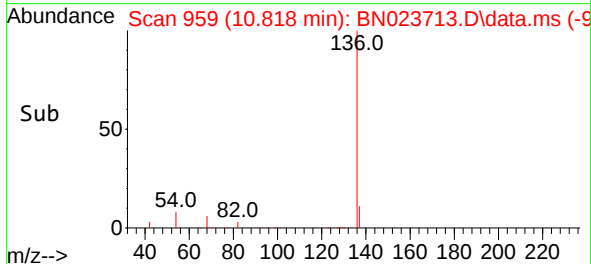
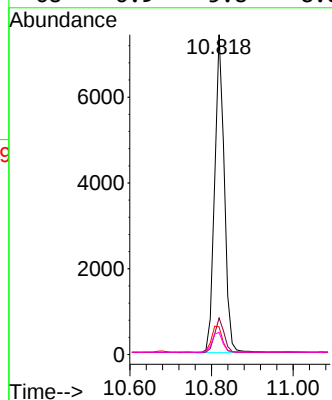
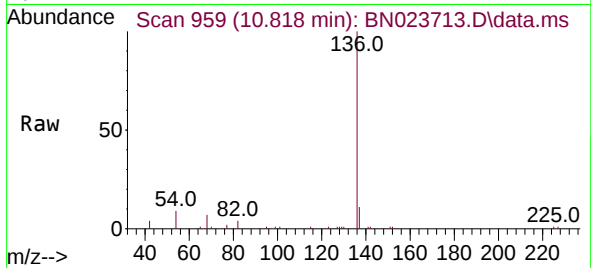
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.818 min Scan# 91
Delta R.T. -0.000 min
Lab File: BN023713.D
Acq: 19 Jan 2023 11:29

Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-03-QT3-2022

Tgt Ion:136 Resp: 12172
Ion Ratio Lower Upper
136 100
137 11.4 9.2 13.8
54 8.7 7.5 11.3
68 6.9 5.8 8.8

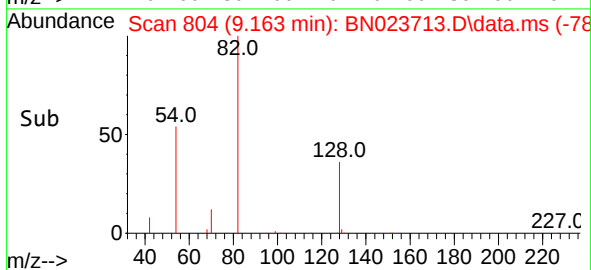
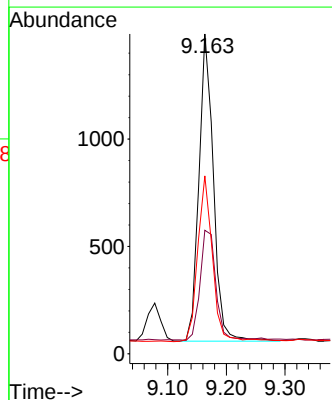
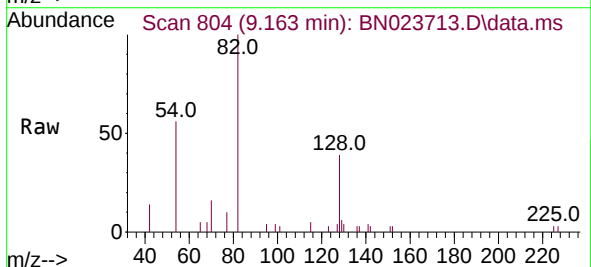
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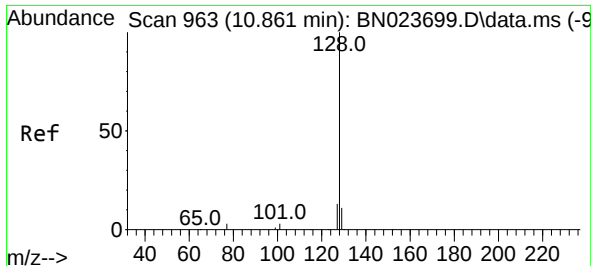
Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023



#8
Nitrobenzene-d5
Concen: 0.254 ng
RT: 9.163 min Scan# 804
Delta R.T. -0.000 min
Lab File: BN023713.D
Acq: 19 Jan 2023 11:29

Tgt Ion: 82 Resp: 2444
Ion Ratio Lower Upper
82 100
128 38.6 30.2 45.2
54 55.6 47.3 70.9





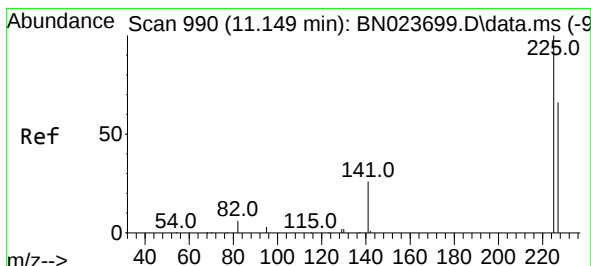
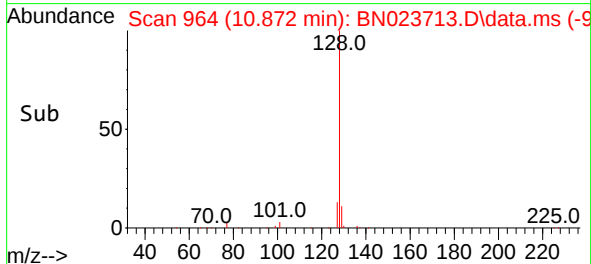
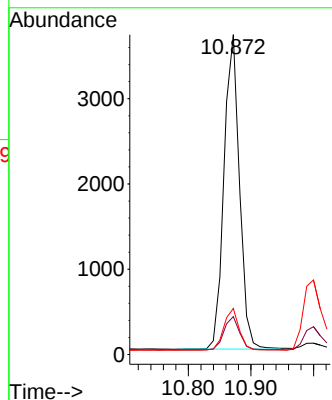
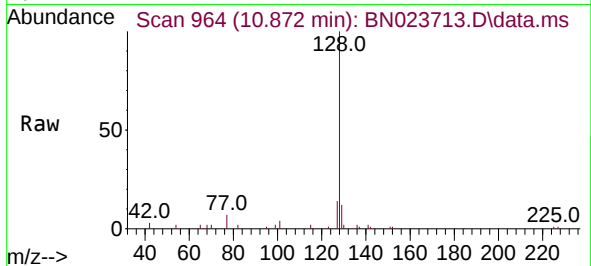
#9
Naphthalene
Concen: 0.201 ng
RT: 10.872 min Scan# 90
Delta R.T. 0.010 min
Lab File: BN023713.D
Acq: 19 Jan 2023 11:29

Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-03-QT3-2022

Tgt Ion:128 Resp: 632
Ion Ratio Lower Upper
128 100
129 11.9 9.2 13.8
127 14.4 10.9 16.3

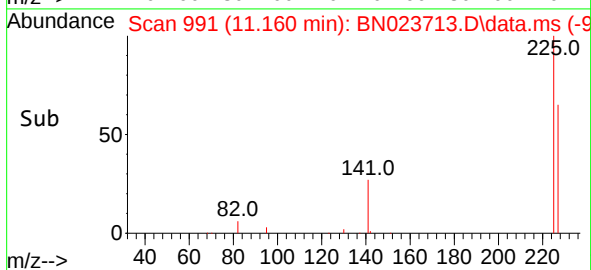
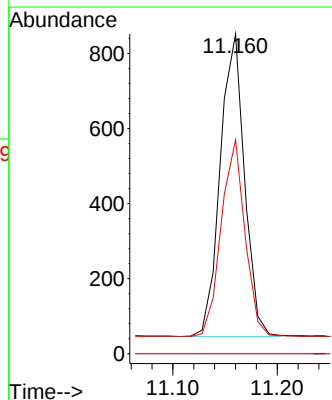
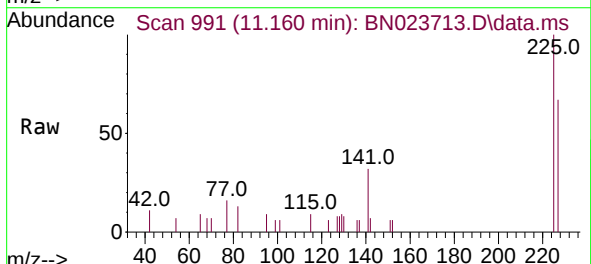
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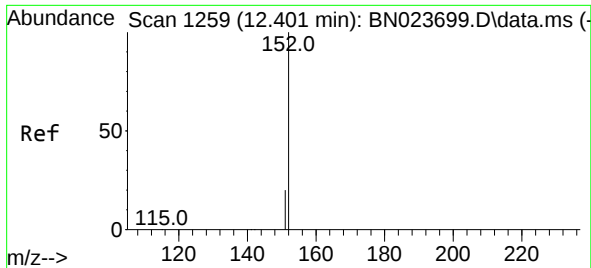
Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023



#10
Hexachlorobutadiene
Concen: 0.204 ng
RT: 11.160 min Scan# 991
Delta R.T. 0.010 min
Lab File: BN023713.D
Acq: 19 Jan 2023 11:29

Tgt Ion:225 Resp: 1302
Ion Ratio Lower Upper
225 100
223 0.0 0.0 0.0
227 63.6 51.0 76.6





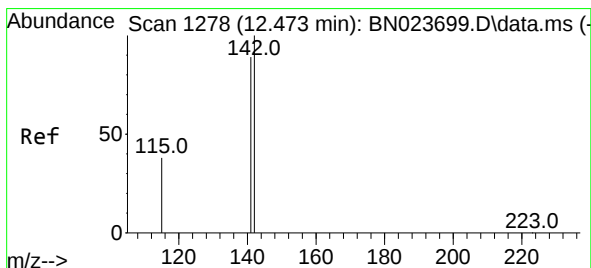
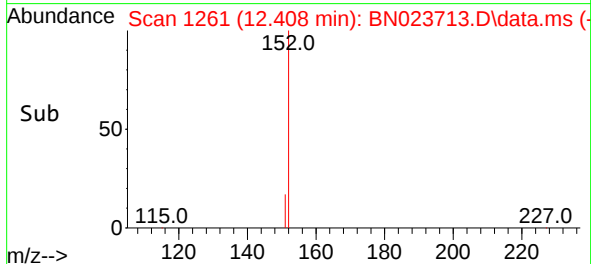
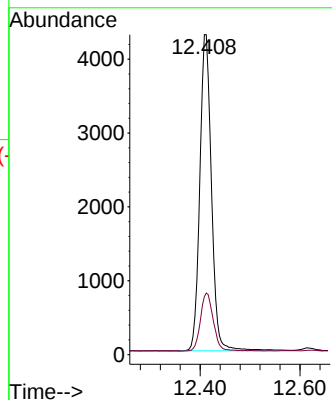
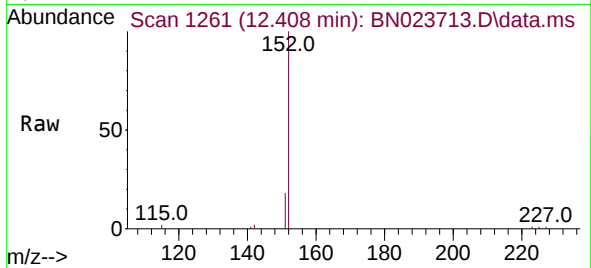
#11
2-Methylnaphthalene-d10
Concen: 0.495 ng
RT: 12.408 min Scan# 1261
Delta R.T. 0.004 min
Lab File: BN023713.D
Acq: 19 Jan 2023 11:29

Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-03-QT3-2022

Tgt Ion:152 Resp: 833
Ion Ratio Lower Upper
152 100
151 16.7 17.1 25.7

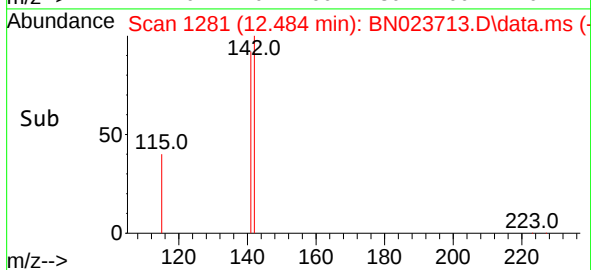
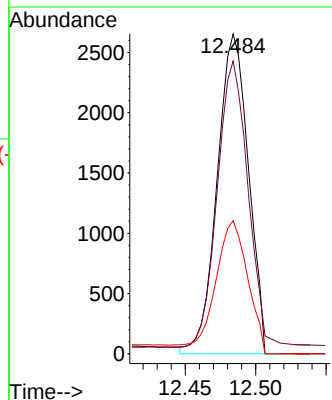
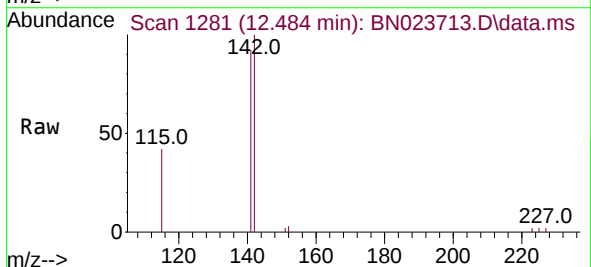
Manual Integrations
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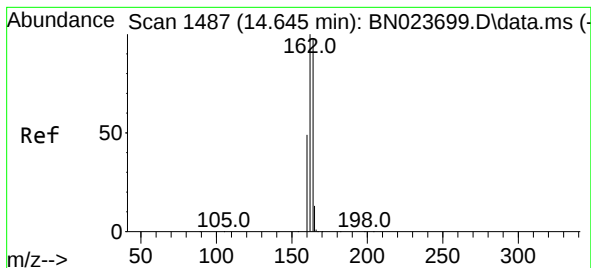
Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023



#12
2-Methylnaphthalene
Concen: 0.204 ng
RT: 12.484 min Scan# 1281
Delta R.T. 0.004 min
Lab File: BN023713.D
Acq: 19 Jan 2023 11:29

Tgt Ion:142 Resp: 4522
Ion Ratio Lower Upper
142 100
141 91.5 71.4 107.0
115 41.6 31.2 46.8





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.655 min Scan# 1488

Delta R.T. 0.010 min

Lab File: BN023713.D

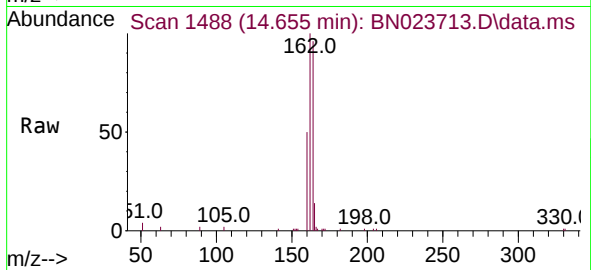
Acq: 19 Jan 2023 11:29

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-03-QT3-2022



Tgt Ion:164 Resp: 6286

Ion Ratio Lower Upper

164 100

162 103.7 81.8 122.6

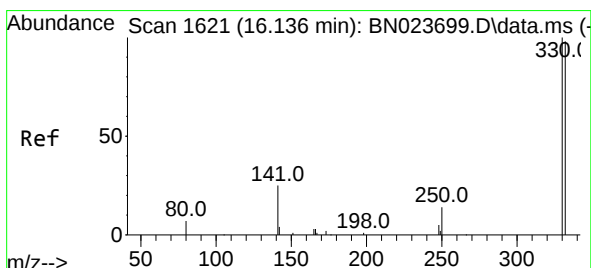
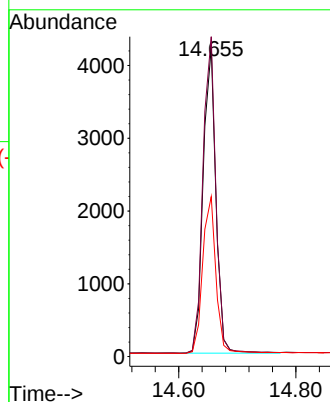
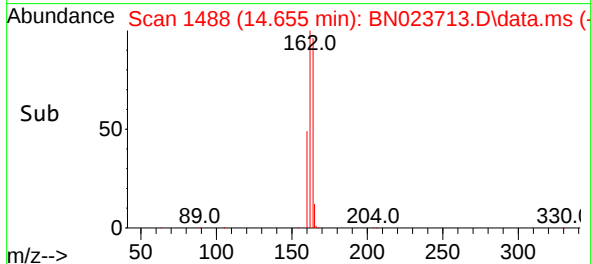
160 51.8 40.3 60.5

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 01/20/2023

Supervised By :Jagrut Upadhyay 01/20/2023



#14

2,4,6-Tribromophenol

Concen: 0.264 ng

RT: 16.148 min Scan# 1622

Delta R.T. -0.000 min

Lab File: BN023713.D

Acq: 19 Jan 2023 11:29

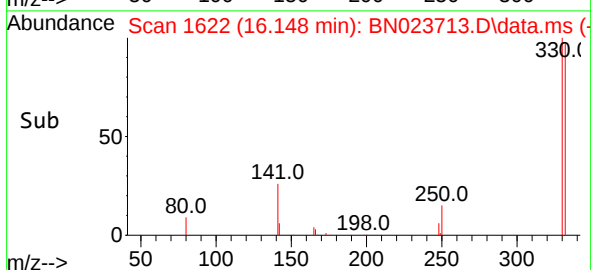
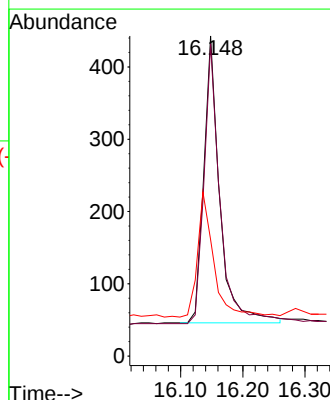
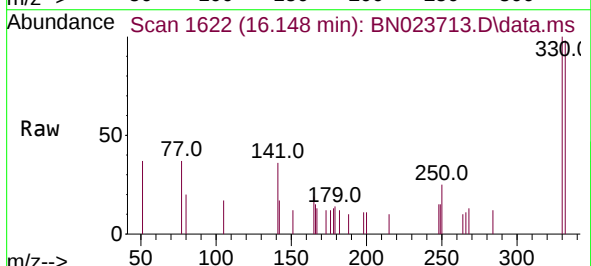
Tgt Ion:330 Resp: 706

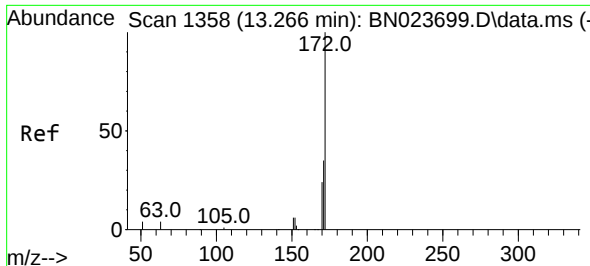
Ion Ratio Lower Upper

330 100

332 98.2 77.6 116.4

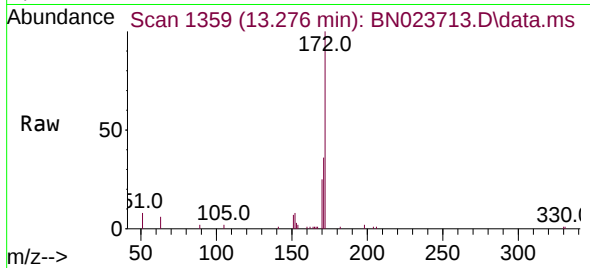
141 44.1 35.0 52.4





#15
2-Fluorobiphenyl
Concen: 0.266 ng
RT: 13.276 min Scan# 1358
Delta R.T. -0.000 min
Lab File: BN023713.D
Acq: 19 Jan 2023 11:29

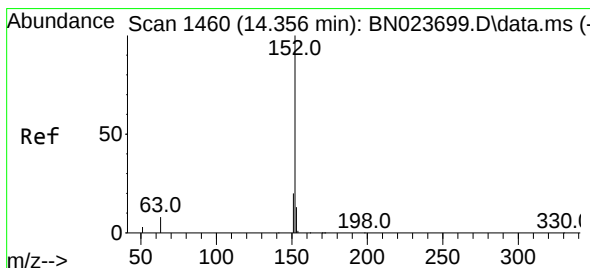
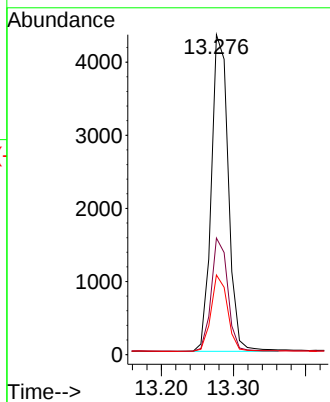
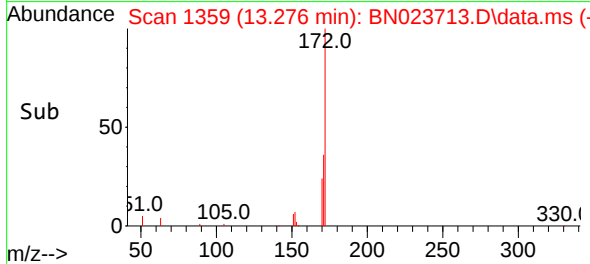
Instrument : BNA_N
ClientSampleId : MDL-SOIL-03-QT3-2022



Tgt Ion:172 Resp: 7112
Ion Ratio Lower Upper
172 100
171 36.4 28.6 42.8
170 24.9 20.0 30.0

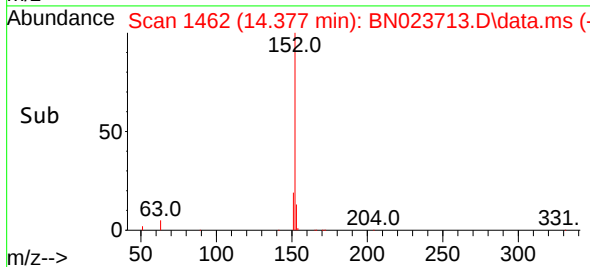
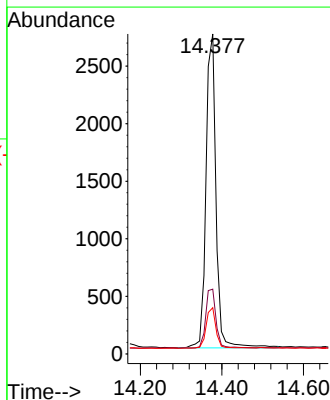
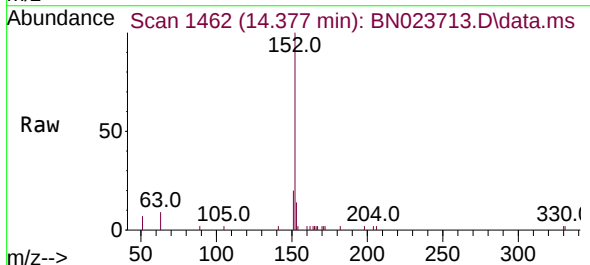
Manual Integrations
APPROVED

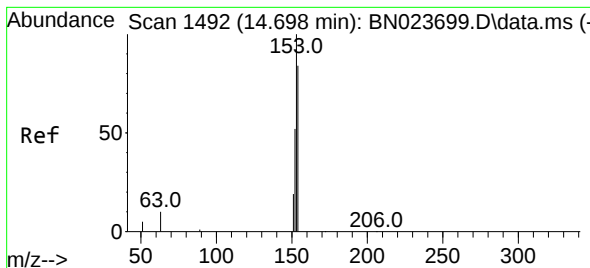
Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023



#16
Acenaphthylene
Concen: 0.181 ng
RT: 14.377 min Scan# 1462
Delta R.T. 0.010 min
Lab File: BN023713.D
Acq: 19 Jan 2023 11:29

Tgt Ion:152 Resp: 4622
Ion Ratio Lower Upper
152 100
151 19.6 15.7 23.5
153 12.7 10.4 15.6





#17

Acenaphthene

Concen: 0.178 ng

RT: 14.720 min Scan# 1492

Delta R.T. 0.010 min

Lab File: BN023713.D

Acq: 19 Jan 2023 11:29

Instrument :

BNA_N

ClientSampleId :

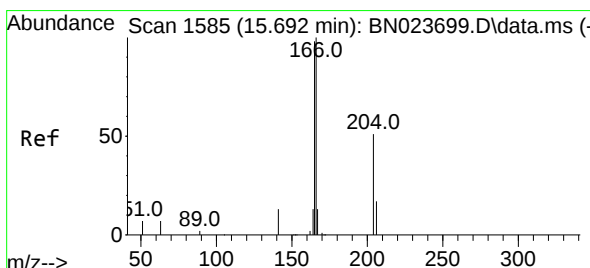
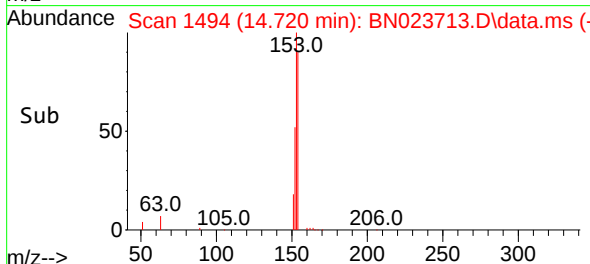
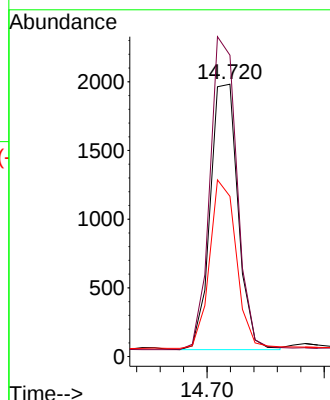
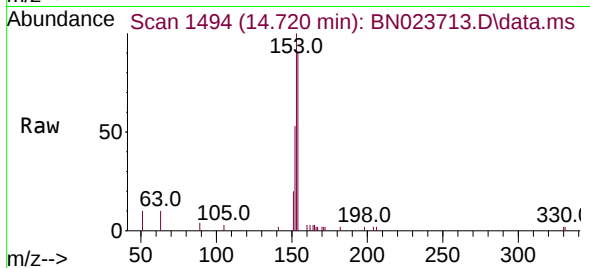
MDL-SOIL-03-QT3-2022

Tgt Ion:154 Resp: 3185
 Ion Ratio Lower Upper
 154 100
 153 116.6 93.3 139.9
 152 62.4 48.1 72.1

Manual Integrations

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Reviewed By :Christian Giraldo 01/20/2023
 Supervised By :Jagrut Upadhyay 01/20/2023



#18

Fluorene

Concen: 0.169 ng

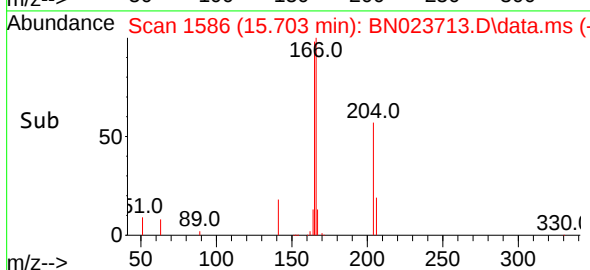
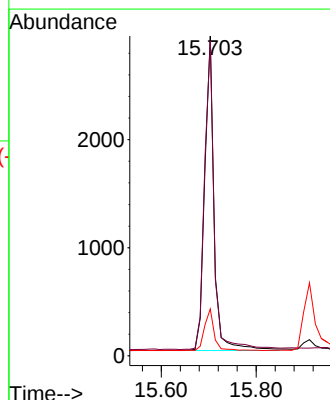
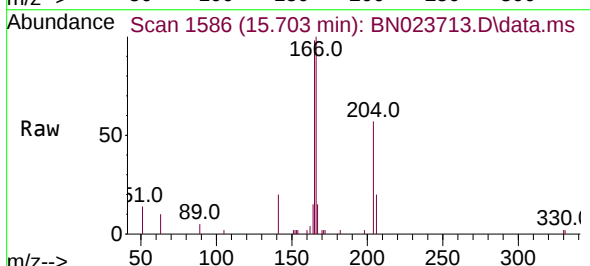
RT: 15.703 min Scan# 1586

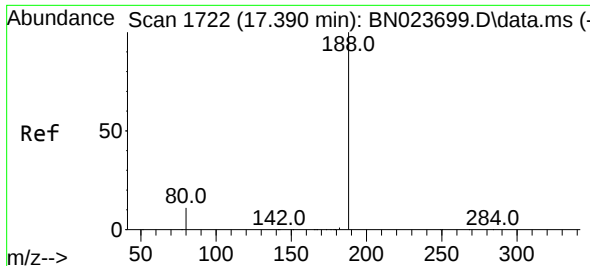
Delta R.T. 0.010 min

Lab File: BN023713.D

Acq: 19 Jan 2023 11:29

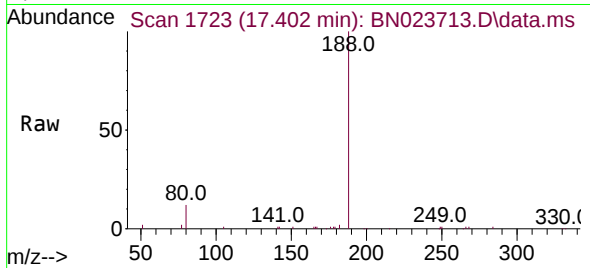
Tgt Ion:166 Resp: 4280
 Ion Ratio Lower Upper
 166 100
 165 100.3 80.6 121.0
 167 13.4 10.8 16.2





#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.402 min Scan# 1722
Delta R.T. -0.000 min
Lab File: BN023713.D
Acq: 19 Jan 2023 11:29

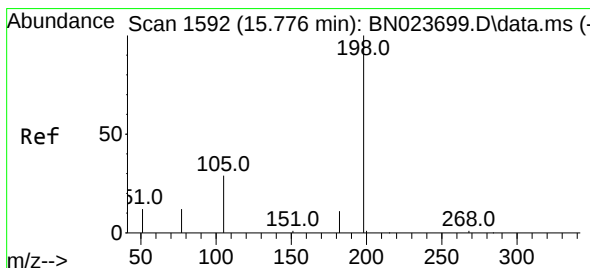
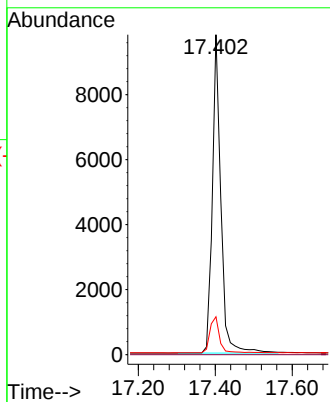
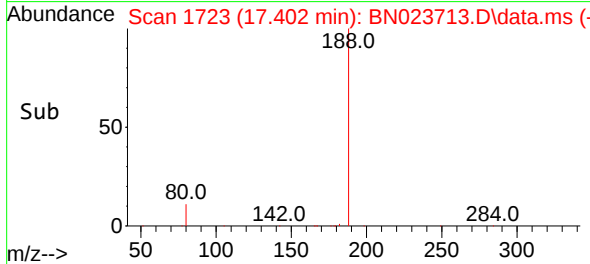
Instrument : BNA_N
ClientSampleId : MDL-SOIL-03-QT3-2022



Tgt Ion:188 Resp: 1516
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 11.8 9.5 14.3

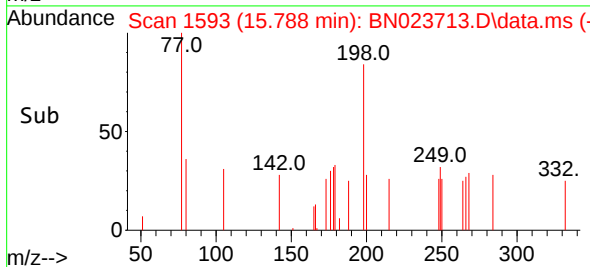
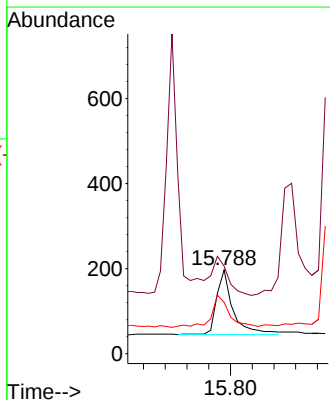
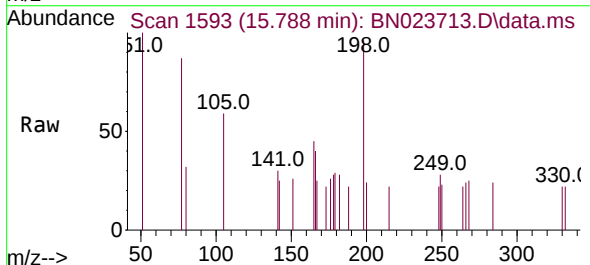
Manual Integrations
APPROVED

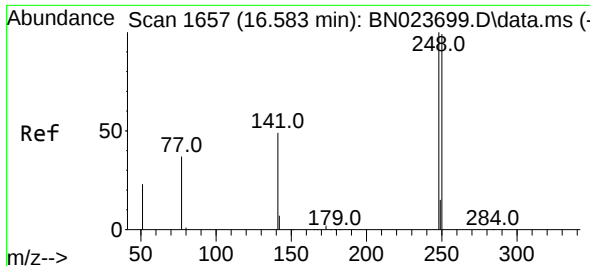
Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023



#20
4,6-Dinitro-2-methylphenol
Concen: 0.147 ng
RT: 15.788 min Scan# 1593
Delta R.T. 0.012 min
Lab File: BN023713.D
Acq: 19 Jan 2023 11:29

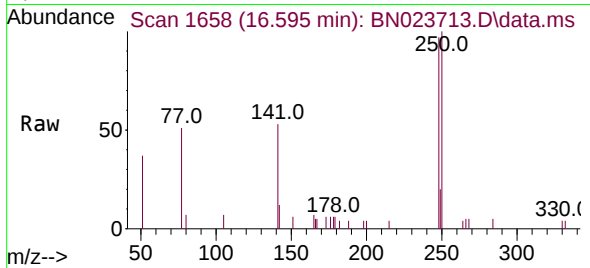
Tgt Ion:198 Resp: 315
Ion Ratio Lower Upper
198 100
51 104.6 54.3 81.5#
105 61.4 38.6 58.0#





#21
4-Bromophenyl-phenylether
Concen: 0.171 ng
RT: 16.595 min Scan# 1657
Delta R.T. -0.000 min
Lab File: BN023713.D
Acq: 19 Jan 2023 11:29

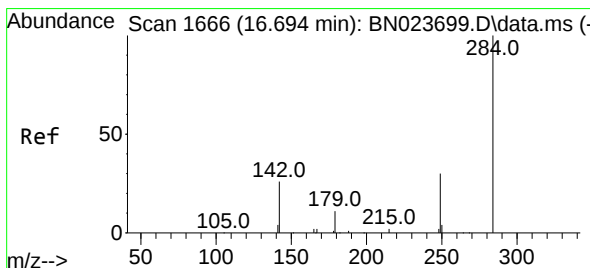
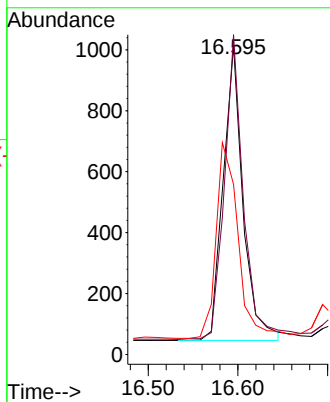
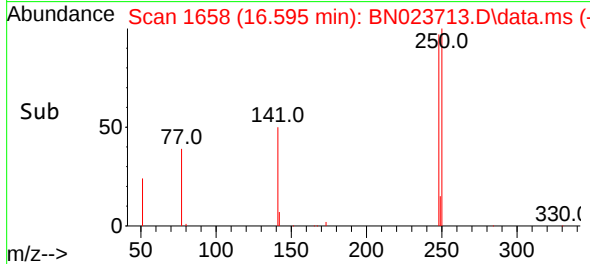
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-03-QT3-2022



Tgt Ion:248 Resp: 1484
Ion Ratio Lower Upper
248 100
250 103.6 79.4 119.0
141 55.0 40.2 60.4

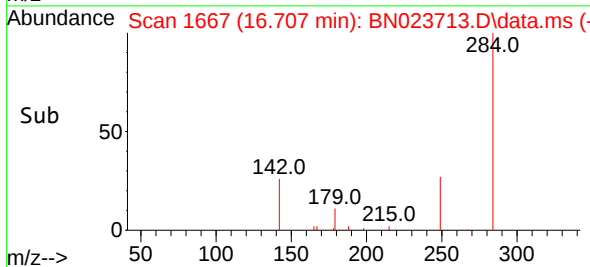
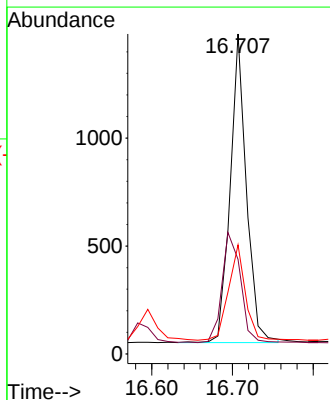
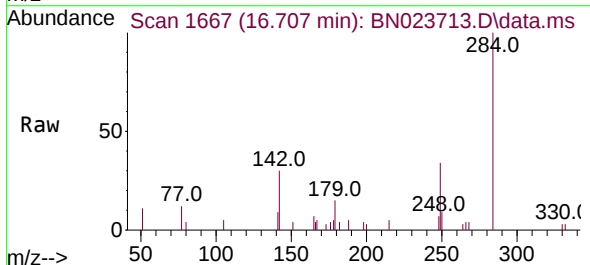
Manual Integrations
APPROVED

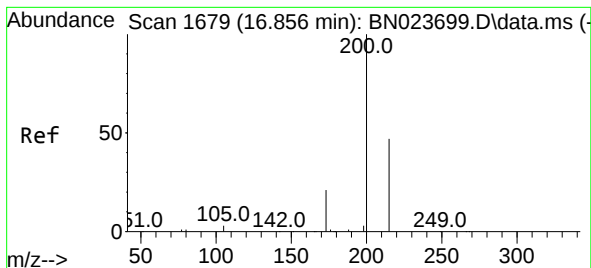
Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023



#22
Hexachlorobenzene
Concen: 0.188 ng
RT: 16.707 min Scan# 1667
Delta R.T. -0.000 min
Lab File: BN023713.D
Acq: 19 Jan 2023 11:29

Tgt Ion:284 Resp: 1998
Ion Ratio Lower Upper
284 100
142 40.4 32.3 48.5
249 32.0 25.0 37.4





#23

Atrazine

Concen: 0.173 ng

RT: 16.868 min Scan# 1680

Delta R.T. 0.012 min

Lab File: BN023713.D

Acq: 19 Jan 2023 11:29

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-03-QT3-2022

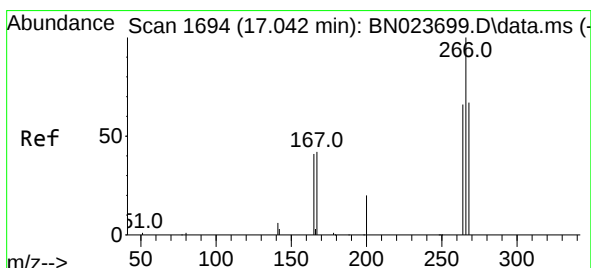
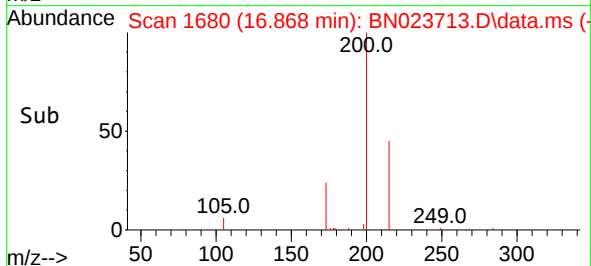
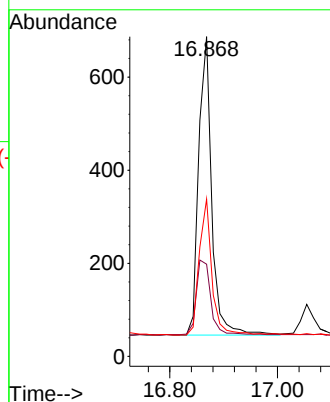
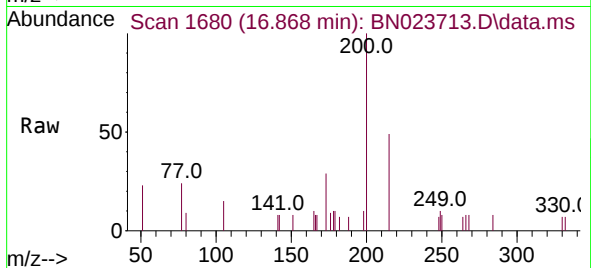
Tgt Ion:	200	Resp:	1074
Ion Ratio	Lower	Upper	
200	100		
173	28.8	19.0	28.4
215	49.2	39.2	58.8

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 01/20/2023

Supervised By :Jagrut Upadhyay 01/20/2023



#24

Pentachlorophenol

Concen: 0.169 ng

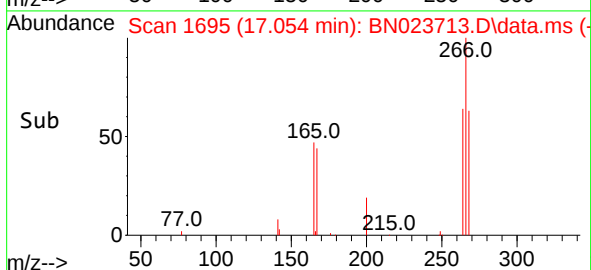
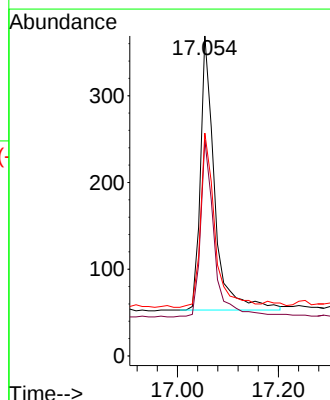
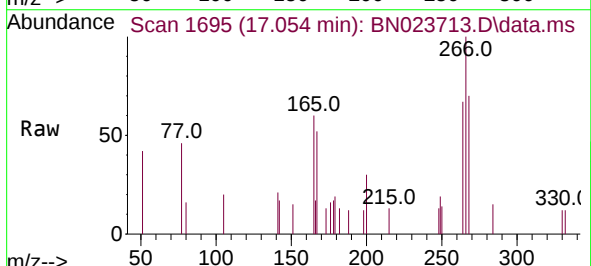
RT: 17.054 min Scan# 1695

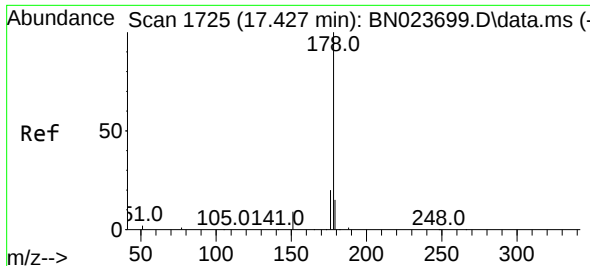
Delta R.T. -0.001 min

Lab File: BN023713.D

Acq: 19 Jan 2023 11:29

Tgt Ion:	266	Resp:	612
Ion Ratio	Lower	Upper	
266	100		
264	62.9	51.4	77.2
268	64.5	52.3	78.5





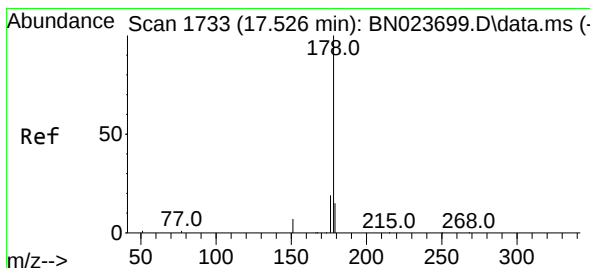
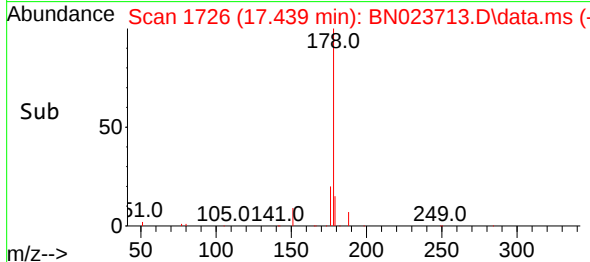
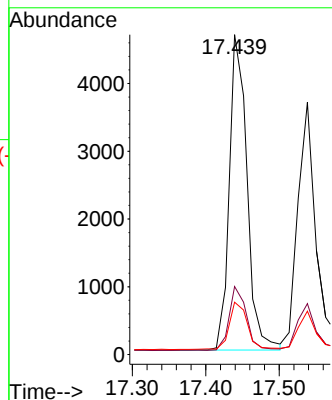
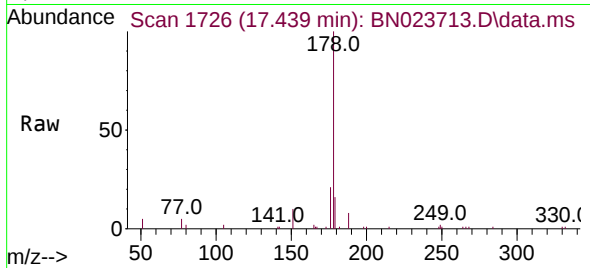
#25
Phenanthrene
Concen: 0.178 ng
RT: 17.439 min Scan# 1734
Delta R.T. -0.000 min
Lab File: BN023713.D
Acq: 19 Jan 2023 11:29

Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-03-QT3-2022

Tgt Ion:178 Resp: 785
Ion Ratio Lower Upper
178 100
176 20.1 15.5 23.3
179 15.6 12.2 18.4

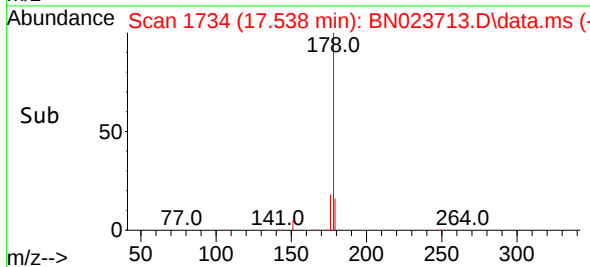
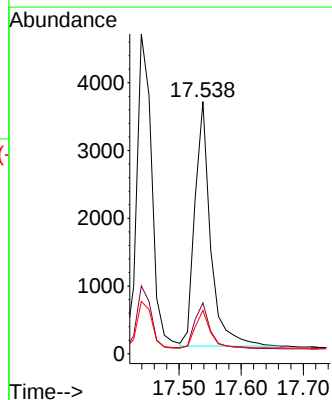
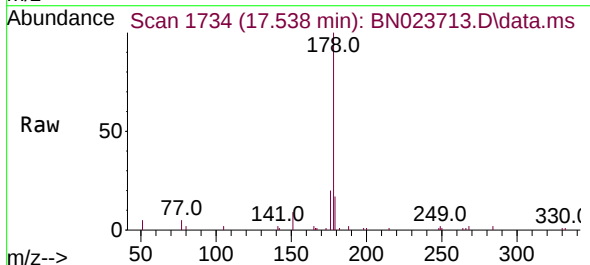
Manual Integrations
APPROVED

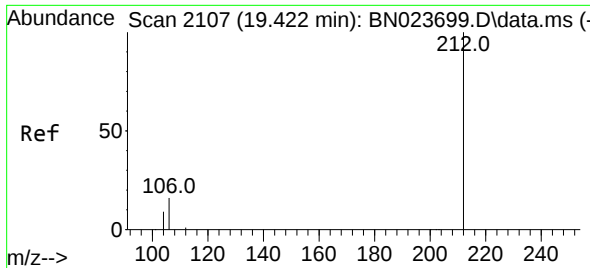
Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023



#26
Anthracene
Concen: 0.178 ng
RT: 17.538 min Scan# 1734
Delta R.T. 0.012 min
Lab File: BN023713.D
Acq: 19 Jan 2023 11:29

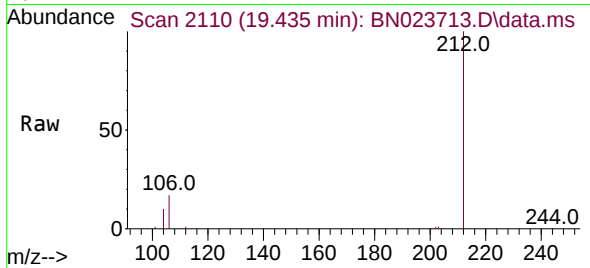
Tgt Ion:178 Resp: 6336
Ion Ratio Lower Upper
178 100
176 18.8 15.2 22.8
179 14.8 12.0 18.0





#27
Fluoranthene-d10
Concen: 0.432 ng
RT: 19.435 min Scan# 2110
Delta R.T. -0.000 min
Lab File: BN023713.D
Acq: 19 Jan 2023 11:29

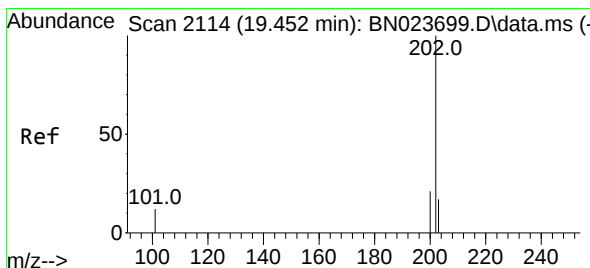
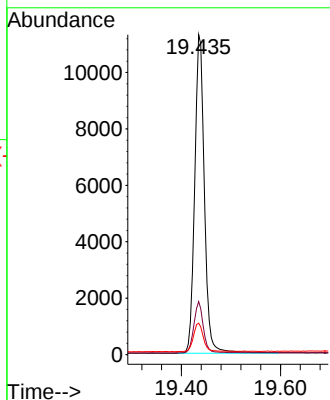
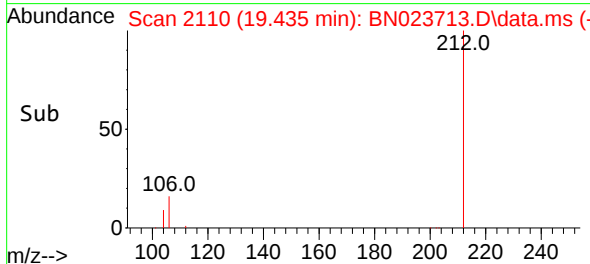
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-03-QT3-2022



Tgt Ion:212 Resp: 15373
Ion Ratio Lower Upper
212 100
106 15.6 12.4 18.6
104 9.3 7.1 10.7

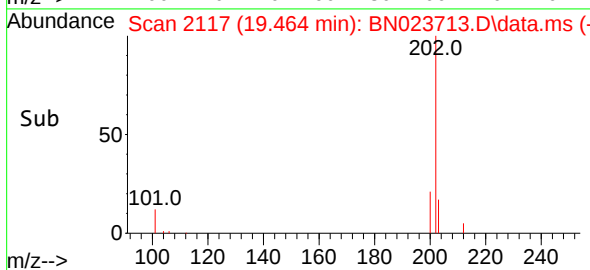
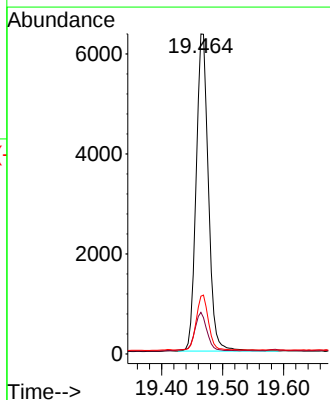
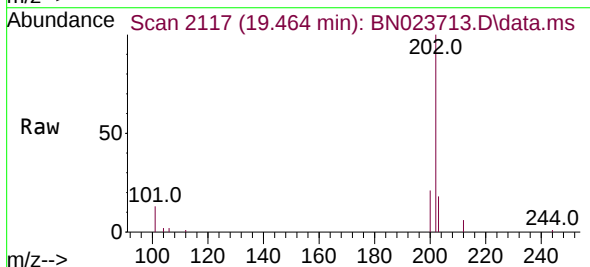
Manual Integrations
APPROVED

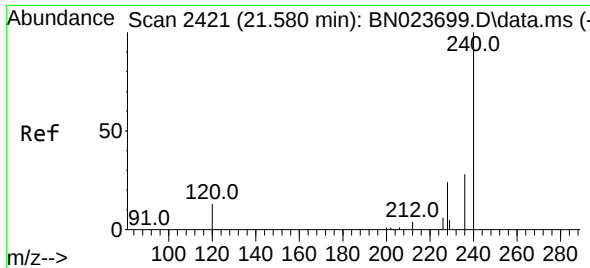
Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023



#28
Fluoranthene
Concen: 0.183 ng
RT: 19.464 min Scan# 2117
Delta R.T. -0.000 min
Lab File: BN023713.D
Acq: 19 Jan 2023 11:29

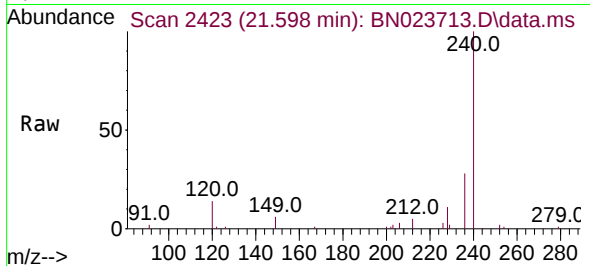
Tgt Ion:202 Resp: 8804
Ion Ratio Lower Upper
202 100
101 12.5 9.7 14.5
203 17.0 13.6 20.4





#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.598 min Scan# 2421
Delta R.T. 0.009 min
Lab File: BN023713.D
Acq: 19 Jan 2023 11:29

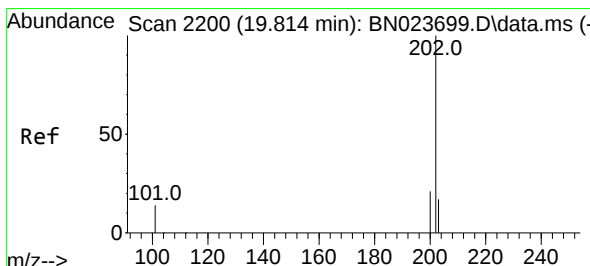
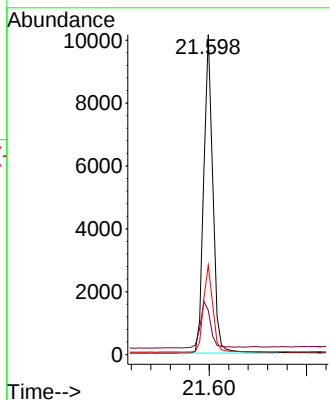
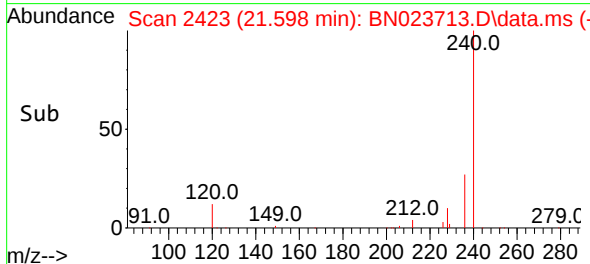
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-03-QT3-2022



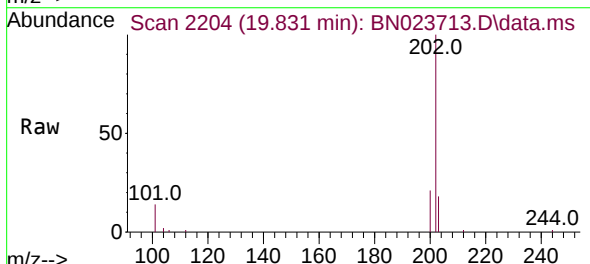
Tgt Ion:240 Resp: 13176
Ion Ratio Lower Upper
240 100
120 13.8 12.0 18.0
236 28.0 22.8 34.2

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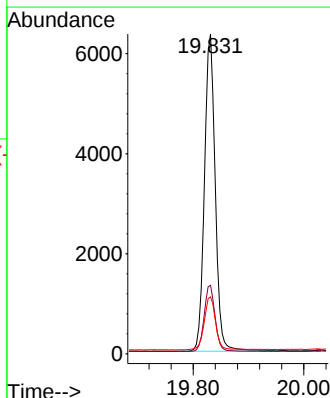
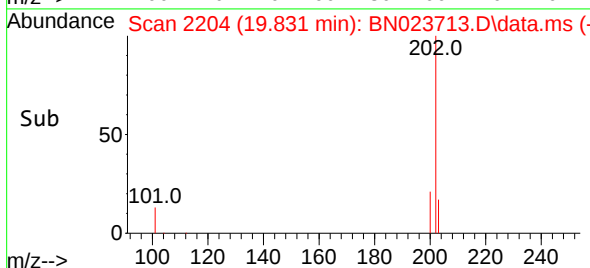
Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023

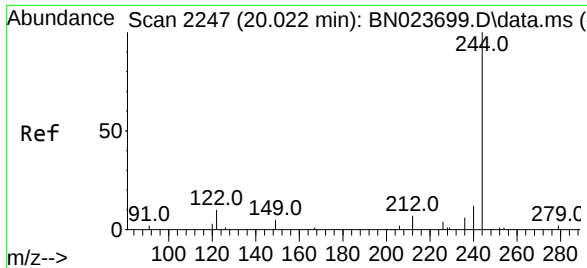


#30
Pyrene
Concen: 0.177 ng
RT: 19.831 min Scan# 2204
Delta R.T. 0.004 min
Lab File: BN023713.D
Acq: 19 Jan 2023 11:29



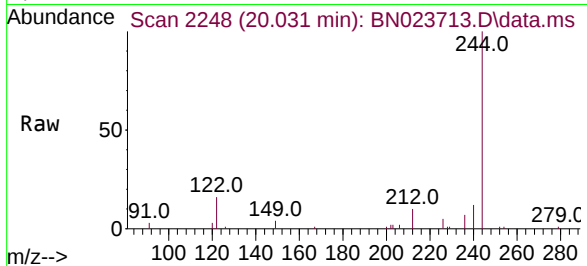
Tgt Ion:202 Resp: 8637
Ion Ratio Lower Upper
202 100
200 21.1 16.9 25.3
203 17.9 14.4 21.6





#31
 Terphenyl-d14
 Concen: 0.295 ng
 RT: 20.031 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: BN023713.D
 Acq: 19 Jan 2023 11:29

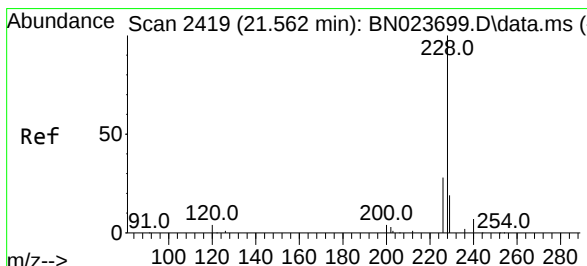
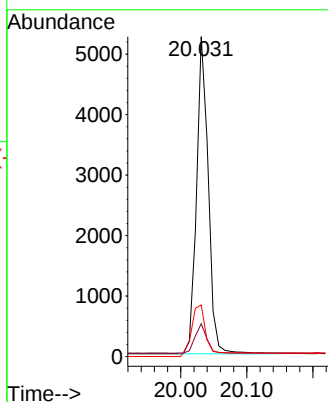
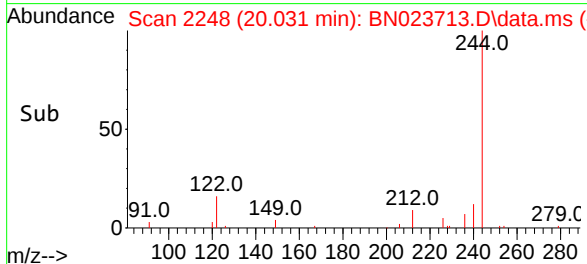
Instrument :
 BNA_N
 ClientSampleId :
 MDL-SOIL-03-QT3-2022



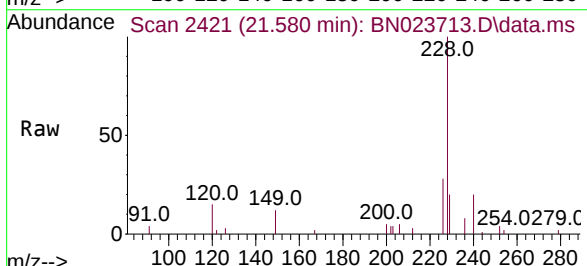
Tgt Ion:244 Resp: 6120
 Ion Ratio Lower Upper
 244 100
 212 10.3 6.5 9.7
 122 16.1 7.6 11.4

Manual Integrations
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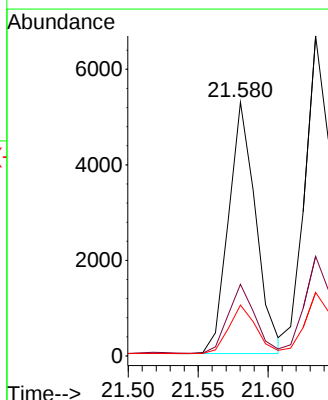
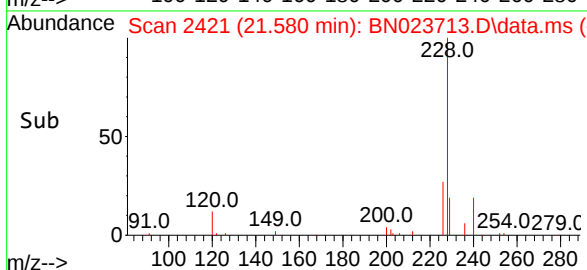
Reviewed By :Christian Giraldo 01/20/2023
 Supervised By :Jagrut Upadhyay 01/20/2023

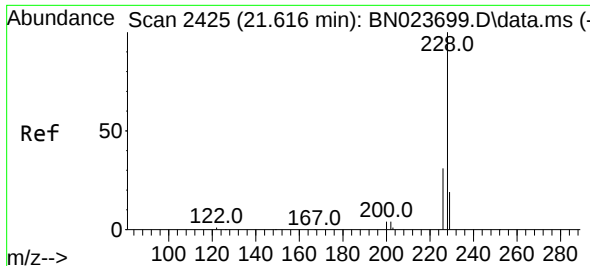


#32
 Benzo(a)anthracene
 Concen: 0.170 ng
 RT: 21.580 min Scan# 2421
 Delta R.T. -0.000 min
 Lab File: BN023713.D
 Acq: 19 Jan 2023 11:29



Tgt Ion:228 Resp: 7116
 Ion Ratio Lower Upper
 228 100
 226 28.2 22.4 33.6
 229 20.0 15.5 23.3





#33

Chrysene

Concen: 0.185 ng

RT: 21.634 min Scan# 2412

Delta R.T. -0.000 min

Lab File: BN023713.D

Acq: 19 Jan 2023 11:29

Instrument :

BNA_N

ClientSampleId :

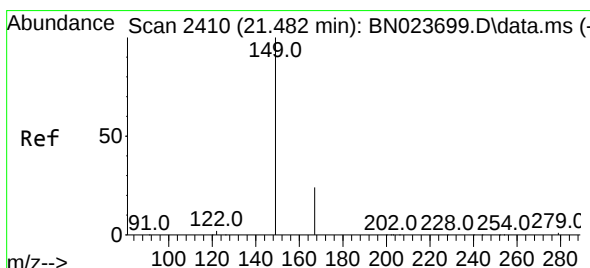
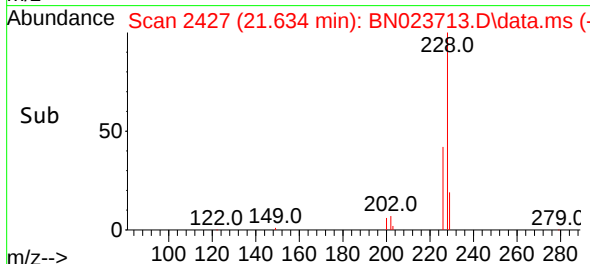
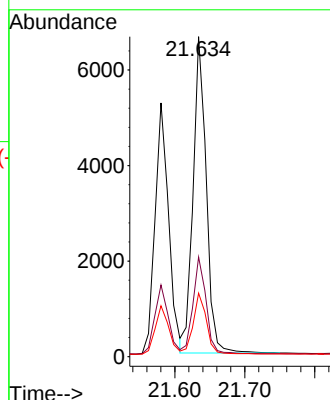
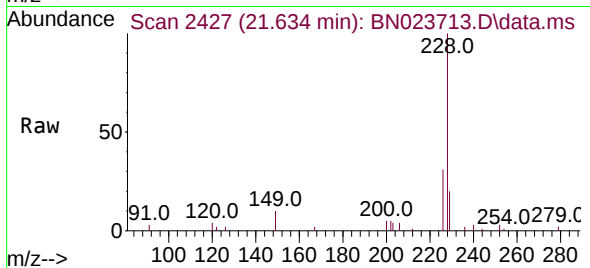
MDL-SOIL-03-QT3-2022

Tgt Ion:228 Resp: 8681
 Ion Ratio Lower Upper
 228 100
 226 31.1 24.6 36.8
 229 19.8 15.4 23.0

Manual Integrations

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 Supervised By :Jagrut Upadhyay 01/20/2023



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.191 ng

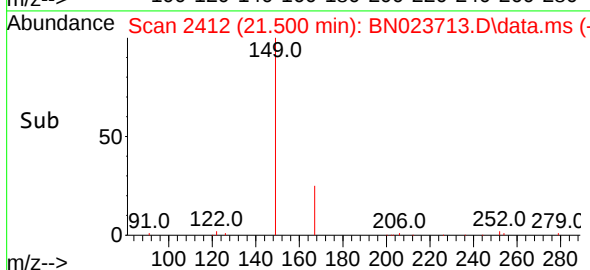
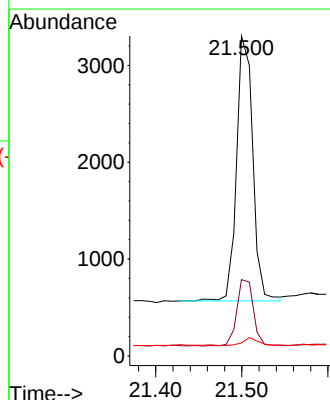
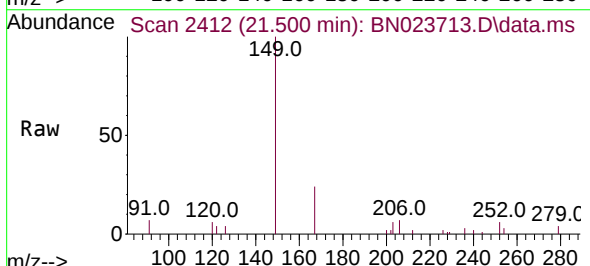
RT: 21.500 min Scan# 2412

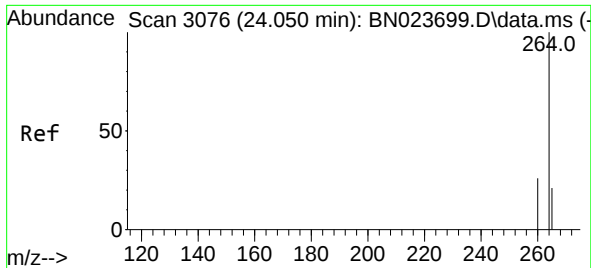
Delta R.T. -0.000 min

Lab File: BN023713.D

Acq: 19 Jan 2023 11:29

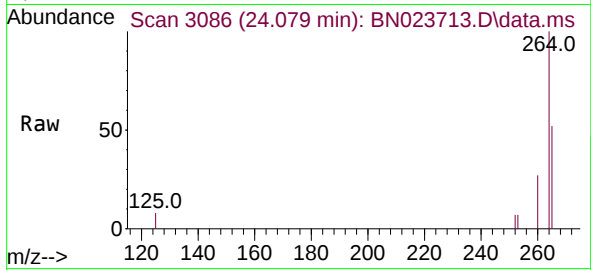
Tgt Ion:149 Resp: 3560
 Ion Ratio Lower Upper
 149 100
 167 26.1 19.8 29.8
 279 2.8 2.5 3.7





#35
 Perylene-d12
 Concen: 0.400 ng
 RT: 24.079 min Scan# 3076
 Delta R.T. 0.006 min
 Lab File: BN023713.D
 Acq: 19 Jan 2023 11:29

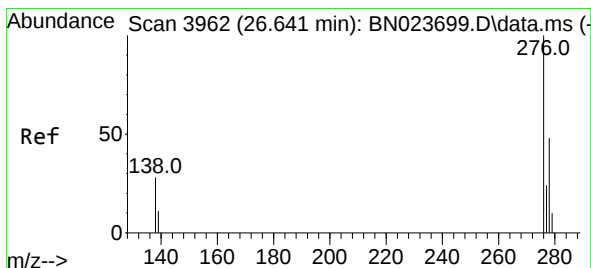
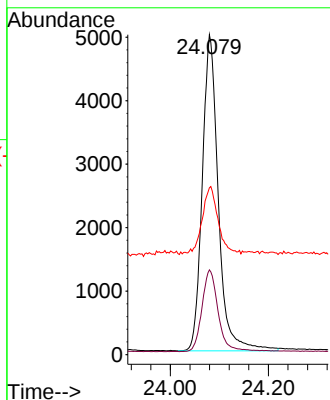
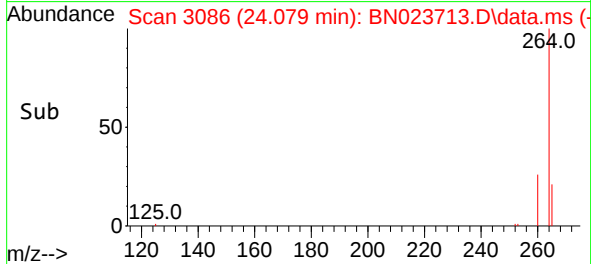
Instrument :
 BNA_N
 ClientSampleId :
 MDL-SOIL-03-QT3-2022



Tgt Ion:264 Resp: 11336
 Ion Ratio Lower Upper
 264 100
 260 26.5 21.0 31.6
 265 52.2 49.9 74.9

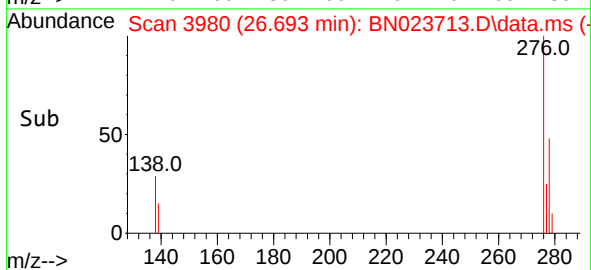
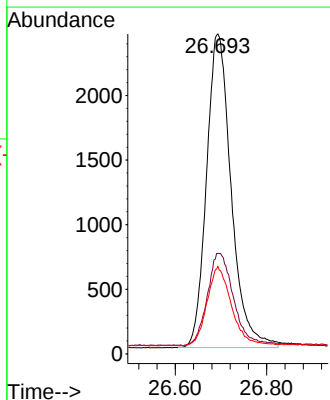
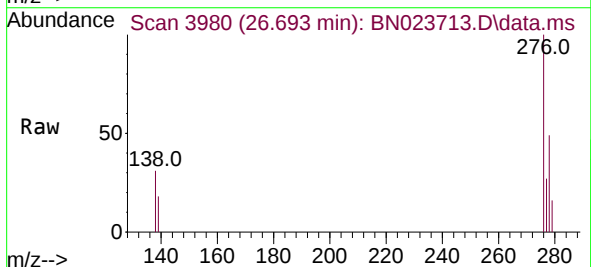
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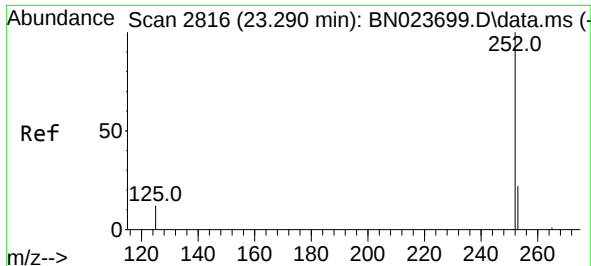
Reviewed By :Christian Giraldo 01/20/2023
 Supervised By :Jagrut Upadhyay 01/20/2023



#36
 Indeno(1,2,3-cd)pyrene
 Concen: 0.180 ng
 RT: 26.693 min Scan# 3980
 Delta R.T. 0.014 min
 Lab File: BN023713.D
 Acq: 19 Jan 2023 11:29

Tgt Ion:276 Resp: 9114
 Ion Ratio Lower Upper
 276 100
 138 30.8 24.0 36.0
 277 25.0 19.8 29.8





#37

Benzo(b)fluoranthene

Concen: 0.189 ng m

RT: 23.316 min Scan# 2816

Delta R.T. 0.006 min

Lab File: BN023713.D

Acq: 19 Jan 2023 11:29

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-03-QT3-2022

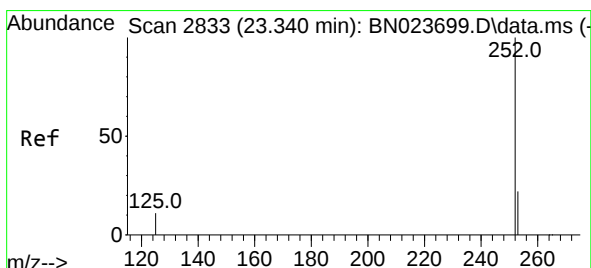
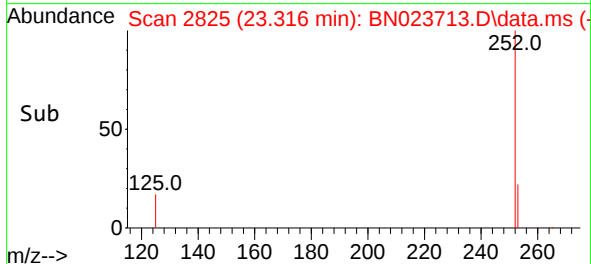
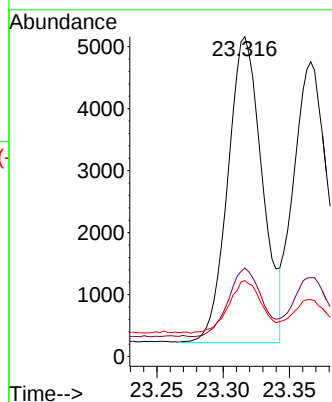
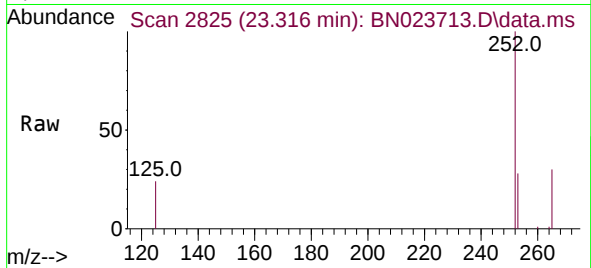
Tgt Ion:	252	Resp:	8918
Ion Ratio	Lower	Upper	
252	100		
253	27.7	19.9	29.9
125	23.8	13.2	19.8

Manual Integrations

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Supervised By :Jagrut Upadhyay 01/20/2023



#38

Benzo(k)fluoranthene

Concen: 0.172 ng

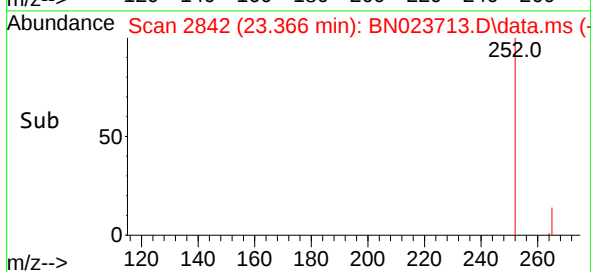
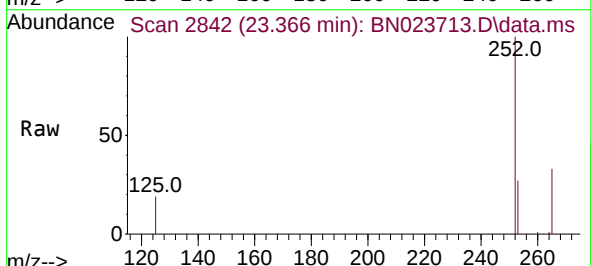
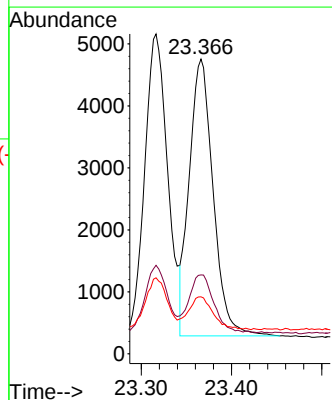
RT: 23.366 min Scan# 2842

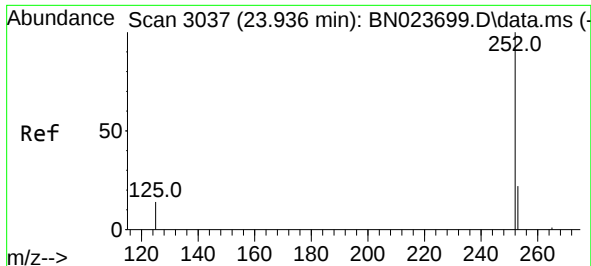
Delta R.T. 0.006 min

Lab File: BN023713.D

Acq: 19 Jan 2023 11:29

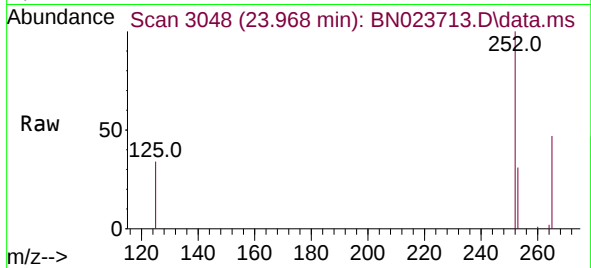
Tgt Ion:	252	Resp:	8202
Ion Ratio	Lower	Upper	
252	100		
253	26.8	20.2	30.2
125	19.3	12.8	19.2





#39
Benzo(a)pyrene
Concen: 0.212 ng
RT: 23.968 min Scan# 3037
Delta R.T. 0.009 min
Lab File: BN023713.D
Acq: 19 Jan 2023 11:29

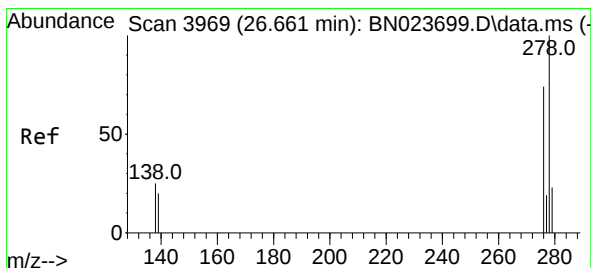
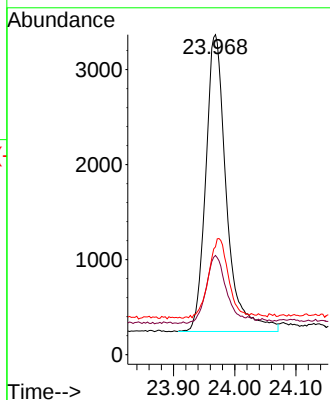
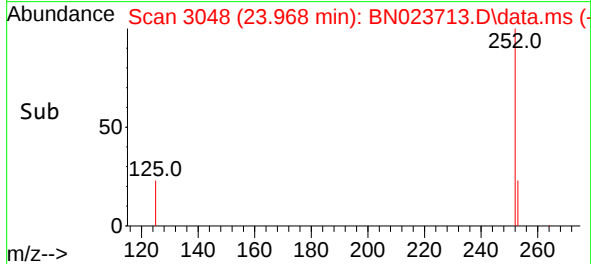
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-03-QT3-2022



Tgt Ion:252 Resp: 7351
Ion Ratio Lower Upper
252 100
253 31.0 22.4 33.6
125 33.7 17.7 26.5

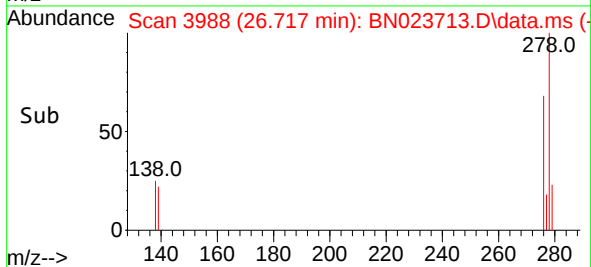
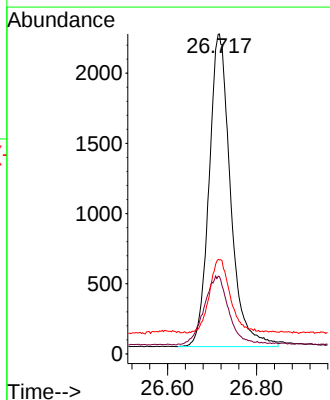
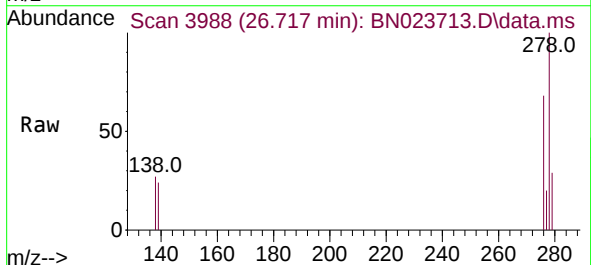
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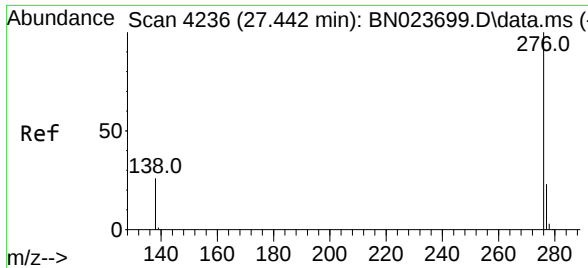
Reviewed By :Christian Giraldo 01/20/2023
Supervised By :Jagrut Upadhyay 01/20/2023



#40
Dibenzo(a,h)anthracene
Concen: 0.182 ng
RT: 26.717 min Scan# 3988
Delta R.T. 0.014 min
Lab File: BN023713.D
Acq: 19 Jan 2023 11:29

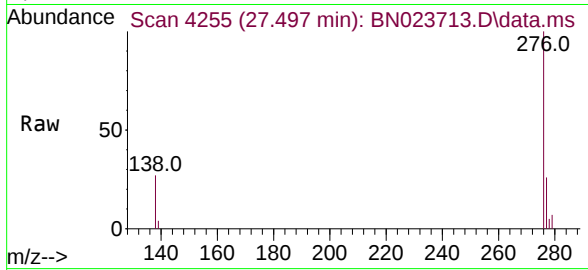
Tgt Ion:278 Resp: 7441
Ion Ratio Lower Upper
278 100
139 24.1 17.2 25.8
279 29.4 21.4 32.2





#41
Benzo(g,h,i)perylene
Concen: 0.170 ng
RT: 27.497 min Scan# 41
Delta R.T. 0.017 min
Lab File: BN023713.D
Acq: 19 Jan 2023 11:29

Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-03-QT3-2022



Tgt Ion: 276 Resp: 7339

Ion	Ratio	Lower	Upper
276	100		
277	25.8	19.4	29.0
138	26.9	21.8	32.8

Manual Integrations
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Reviewed By : Christian Giraldo 01/20/2023
Supervised By : Jagrut Upadhyay 01/20/2023

