

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN011723\
 Data File : BN023677.D
 Acq On : 17 Jan 2023 11:59
 Operator : CG/JU
 Sample : N3214-03
 Misc : MDL-MDL-SOIL 0.2ng
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 MDL-SOIL-03-QT2-2022

Quant Time: Jan 18 05:23:30 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN011223.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 18 05:20:50 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Christian Giraldo 01/18/2023
 Supervised By :Jagrut Upadhyay 01/18/2023

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.956	152	4942	0.400	ng	0.00
7) Naphthalene-d8	10.776	136	14143	0.400	ng	0.01
13) Acenaphthene-d10	14.613	164	7528	0.400	ng	0.01
19) Phenanthrene-d10	17.352	188	15744	0.400	ng	0.00
29) Chrysene-d12	21.554	240	11776	0.400	ng	0.00
35) Perylene-d12	23.995	264	8009	0.400	ng	0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.493	112	3110	0.317	ng	0.00
5) Phenol-d6	7.111	99	3879	0.307	ng	0.00
8) Nitrobenzene-d5	9.121	82	2827	0.266	ng	0.01
11) 2-Methylnaphthalene-d10	12.363	152	8343	0.427	ng	0.00
14) 2,4,6-Tribromophenol	16.099	330	839	0.257	ng	0.00
15) 2-Fluorobiphenyl	13.234	172	8475	0.279	ng	0.01
27) Fluoranthene-d10	19.393	212	15979	0.414	ng	0.00
31) Terphenyl-d14	19.987	244	9503	0.319	ng	0.00
Target Compounds					Qvalue	
2) 1,4-Dioxane	3.341	88	1051	0.237	ng	90
3) n-Nitrosodimethylamine	3.687	42	898	0.181	ng	# 90
6) bis(2-Chloroethyl)ether	7.378	93	2950	0.221	ng	99
9) Naphthalene	10.819	128	7580	0.203	ng	99
10) Hexachlorobutadiene	11.107	225	1575	0.208	ng	# 100
12) 2-Methylnaphthalene	12.439	142	5592	0.208	ng	100
16) Acenaphthylene	14.324	152	5610	0.185	ng	99
17) Acenaphthene	14.666	154	4186	0.188	ng	99
18) Fluorene	15.661	166	5641	0.189	ng	99
20) 4,6-Dinitro-2-methylph...	15.739	198	280	0.164	ng	# 49
21) 4-Bromophenyl-phenylether	16.546	248	1709	0.190	ng	97
22) Hexachlorobenzene	16.657	284	2335	0.208	ng	99
23) Atrazine	16.819	200	1120	0.181	ng	96
24) Pentachlorophenol	17.017	266	677	0.174	ng	97
25) Phenanthrene	17.402	178	8863	0.192	ng	99
26) Anthracene	17.489	178	6720	0.182	ng	100
28) Fluoranthene	19.422	202	9085	0.174	ng	99
30) Pyrene	19.785	202	8884	0.197	ng	100
32) Benzo(a)anthracene	21.536	228	7199	0.189	ng	98
33) Chrysene	21.589	228	8340	0.199	ng	99
34) Bis(2-ethylhexyl)phtha...	21.455	149	3767	0.212	ng	98
36) Indeno(1,2,3-cd)pyrene	26.547	276	6560	0.183	ng	99
37) Benzo(b)fluoranthene	23.246	252	7244	0.212	ng	# 91
38) Benzo(k)fluoranthene	23.293	252	6879m	0.206	ng	
39) Benzo(a)pyrene	23.884	252	5731	0.222	ng	90
40) Dibenzo(a,h)anthracene	26.568	278	5262	0.183	ng	# 90
41) Benzo(g,h,i)perylene	27.325	276	5843	0.199	ng	94

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

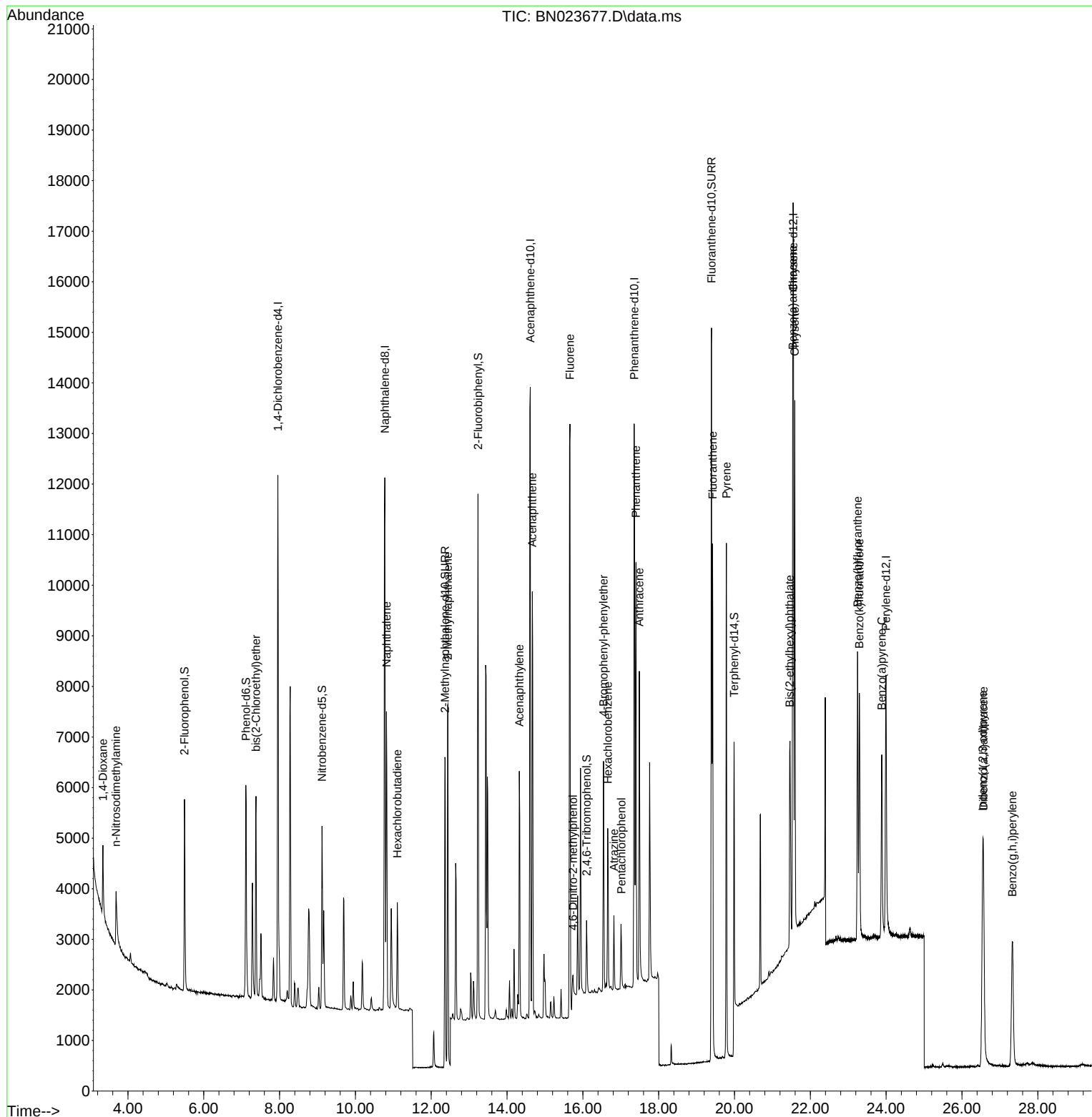
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN011723\
 Data File : BN023677.D
 Acq On : 17 Jan 2023 11:59
 Operator : CG/JU
 Sample : N3214-03
 Misc : MDL-MDL-SOIL 0.2ng
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 MDL-SOIL-03-QT2-2022

Quant Time: Jan 18 05:23:30 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN011223.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 18 05:20:50 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

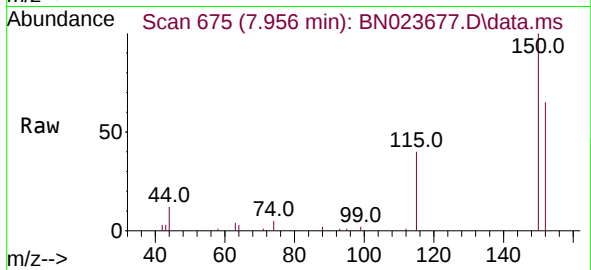
Reviewed By : Christian Giraldo 01/18/2023
 Supervised By : Jagrut Upadhyay 01/18/2023





#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.956 min Scan# 61
Delta R.T. 0.008 min
Lab File: BN023677.D
Acq: 17 Jan 2023 11:59

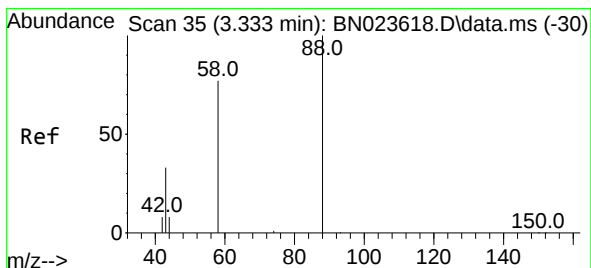
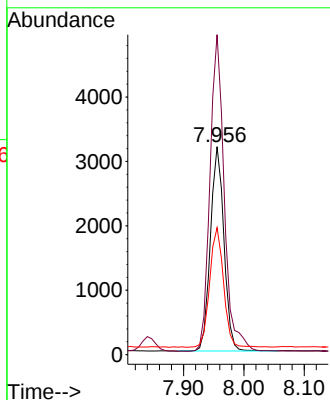
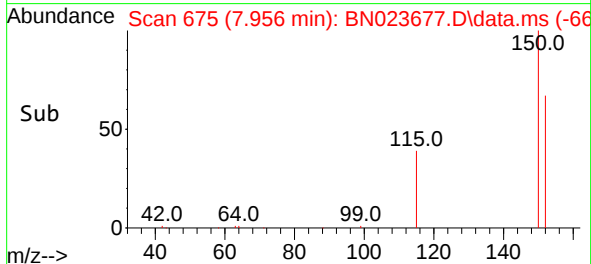
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-03-QT2-2022



Tgt Ion:152 Resp: 4942
Ion Ratio Lower Upper
152 100
150 153.9 123.8 185.8
115 61.0 50.6 75.8

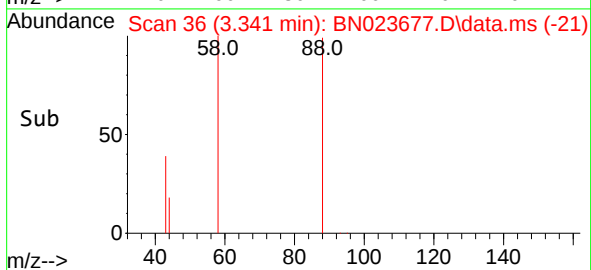
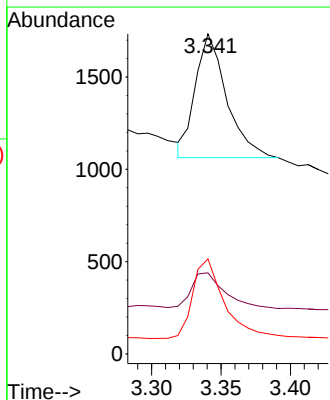
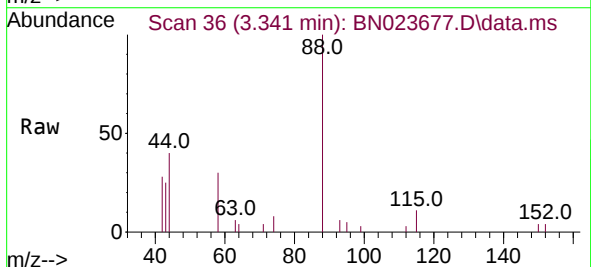
Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 01/18/2023
Supervised By :Jagrut Upadhyay 01/18/2023



#2
1,4-Dioxane
Concen: 0.237 ng
RT: 3.341 min Scan# 36
Delta R.T. 0.007 min
Lab File: BN023677.D
Acq: 17 Jan 2023 11:59

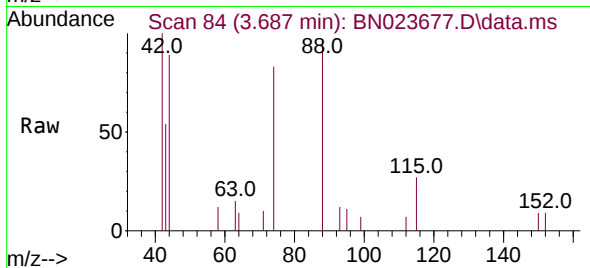
Tgt Ion: 88 Resp: 1051
Ion Ratio Lower Upper
88 100
43 30.8 26.2 39.2
58 65.3 60.6 90.8





#3
n-Nitrosodimethylamine
Concen: 0.181 ng
RT: 3.687 min Scan# 84
Delta R.T. 0.014 min
Lab File: BN023677.D
Acq: 17 Jan 2023 11:59

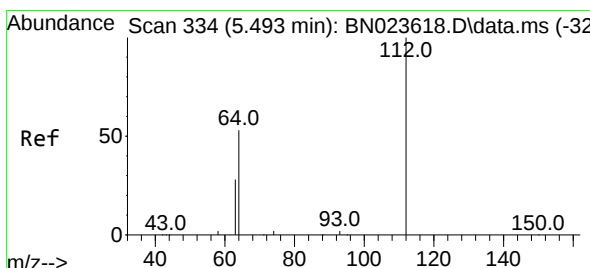
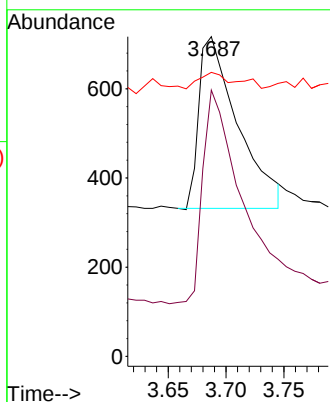
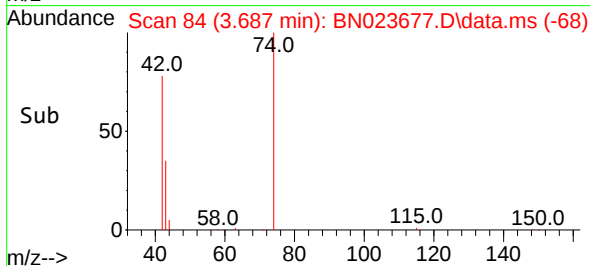
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-03-QT2-2022



Tgt Ion: 42 Resp: 898
Ion Ratio Lower Upper
42 100
74 125.9 92.1 138.1
44 10.0 5.4 8.0

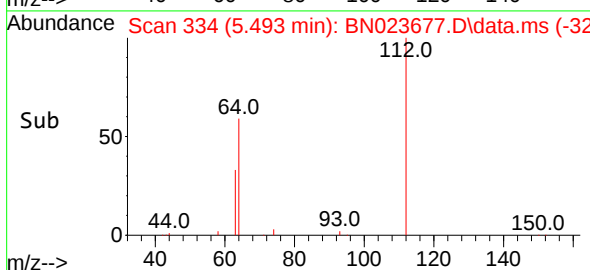
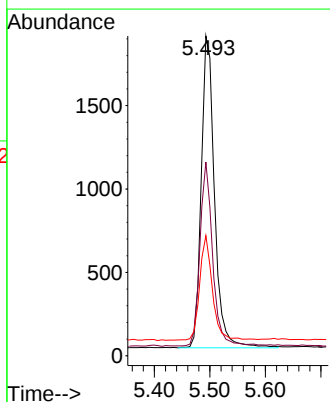
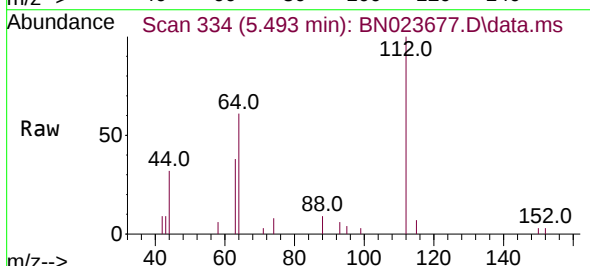
Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 01/18/2023
Supervised By :Jagrut Upadhyay 01/18/2023



#4
2-Fluorophenol
Concen: 0.317 ng
RT: 5.493 min Scan# 334
Delta R.T. -0.000 min
Lab File: BN023677.D
Acq: 17 Jan 2023 11:59

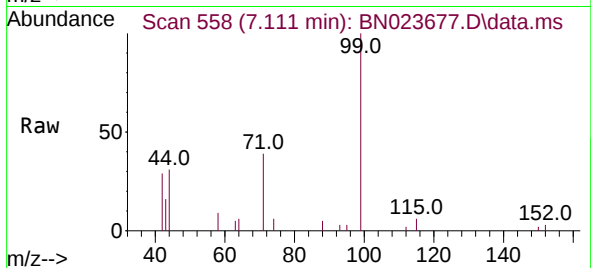
Tgt Ion:112 Resp: 3110
Ion Ratio Lower Upper
112 100
64 56.3 44.9 67.3
63 32.0 24.9 37.3





#5
Phenol-d6
Concen: 0.307 ng
RT: 7.111 min Scan# 51
Delta R.T. 0.007 min
Lab File: BN023677.D
Acq: 17 Jan 2023 11:59

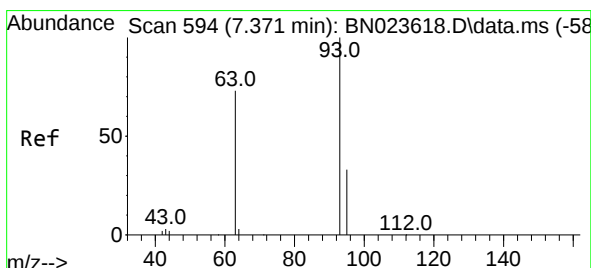
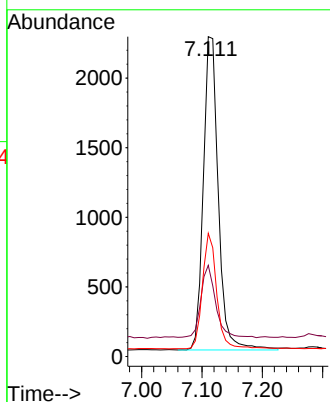
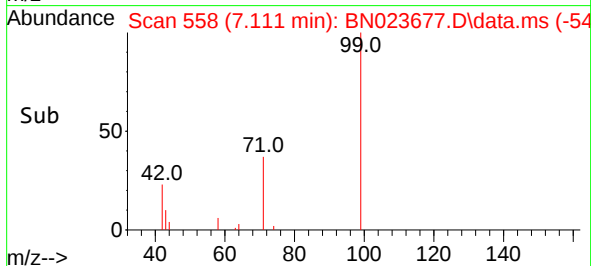
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-03-QT2-2022



Tgt Ion: 99 Resp: 3879
Ion Ratio Lower Upper
99 100
42 22.7 18.8 28.2
71 35.2 28.2 42.4

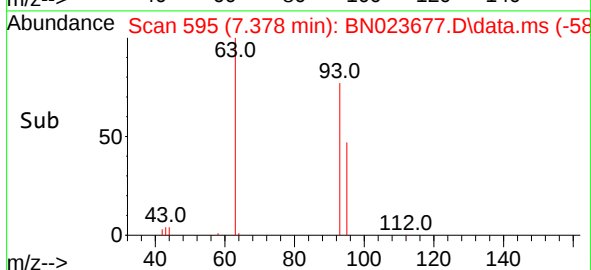
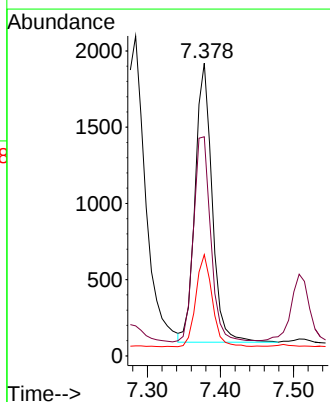
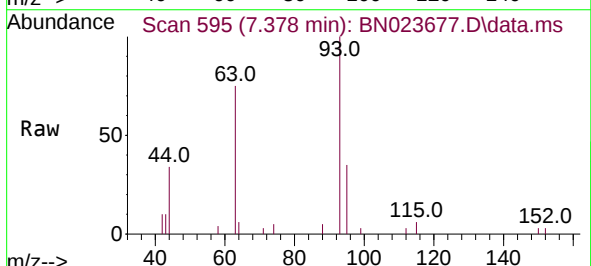
Manual Integrations
APPROVED

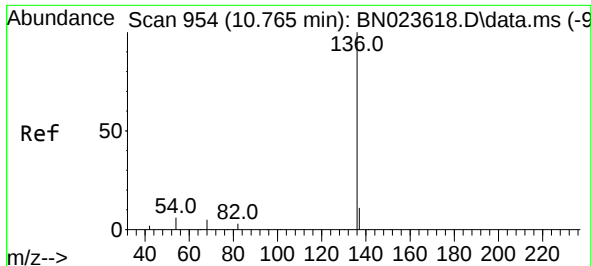
Reviewed By :Christian Giraldo 01/18/2023
Supervised By :Jagrut Upadhyay 01/18/2023



#6
bis(2-Chloroethyl)ether
Concen: 0.221 ng
RT: 7.378 min Scan# 595
Delta R.T. 0.007 min
Lab File: BN023677.D
Acq: 17 Jan 2023 11:59

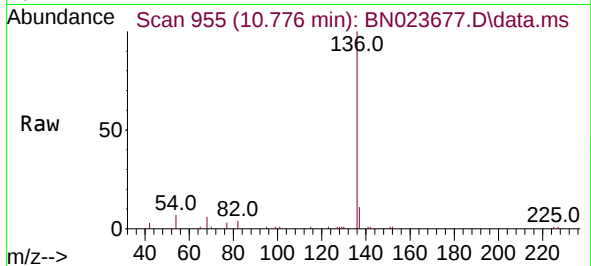
Tgt Ion: 93 Resp: 2950
Ion Ratio Lower Upper
93 100
63 75.2 59.6 89.4
95 31.8 25.3 37.9





#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.776 min Scan# 91
Delta R.T. 0.011 min
Lab File: BN023677.D
Acq: 17 Jan 2023 11:59

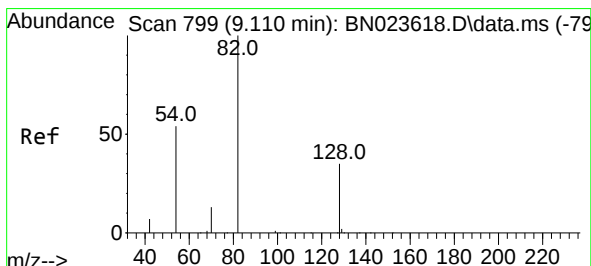
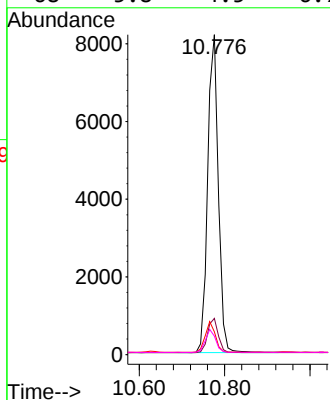
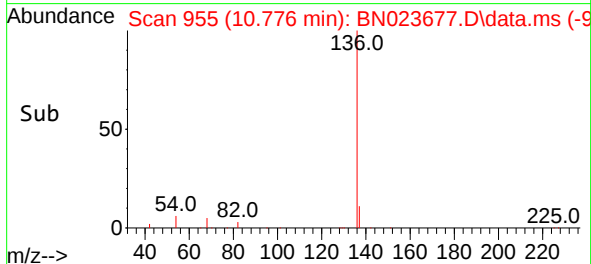
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-03-QT2-2022



Tgt Ion:	136	Resp:	1414
Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.3	13.9
54	7.1	5.7	8.5
68	5.8	4.5	6.7

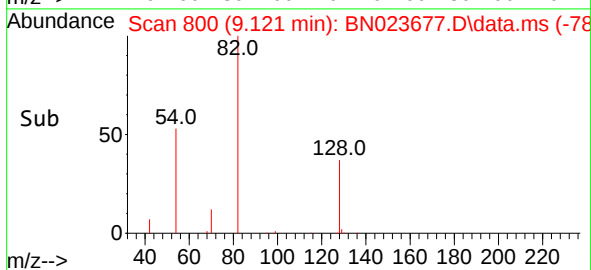
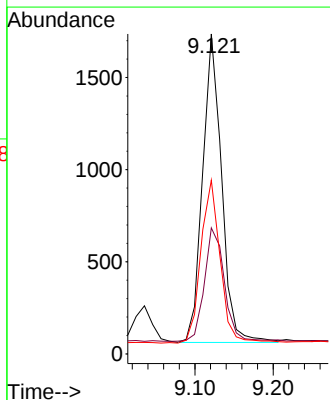
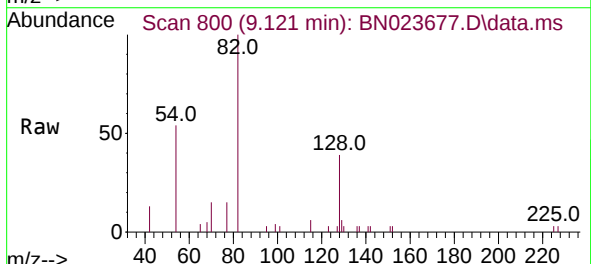
Manual Integrations
APPROVED

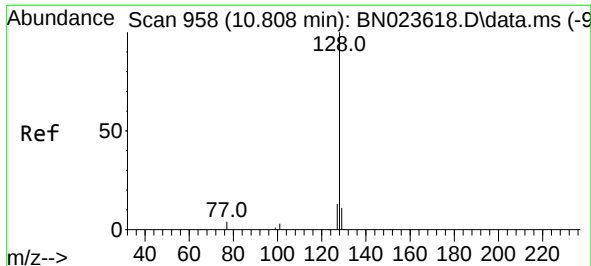
Reviewed By :Christian Giraldo 01/18/2023
Supervised By :Jagrut Upadhyay 01/18/2023



#8
Nitrobenzene-d5
Concen: 0.266 ng
RT: 9.121 min Scan# 800
Delta R.T. 0.011 min
Lab File: BN023677.D
Acq: 17 Jan 2023 11:59

Tgt Ion:	82	Resp:	2827
Ion	Ratio	Lower	Upper
82	100		
128	39.4	29.8	44.8
54	54.3	43.9	65.9





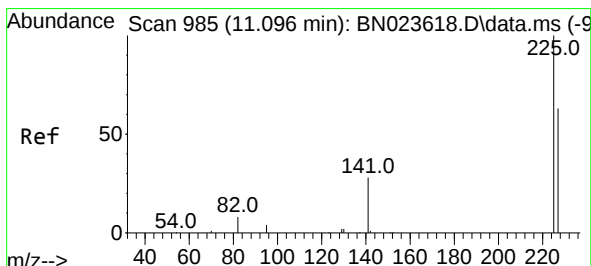
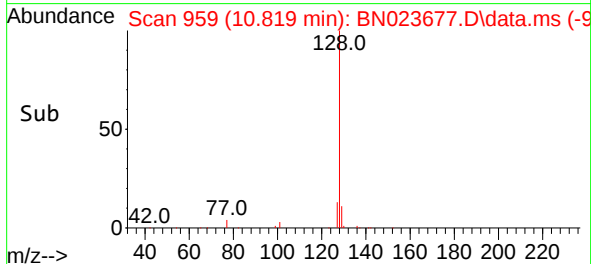
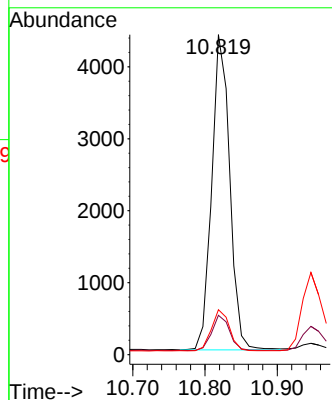
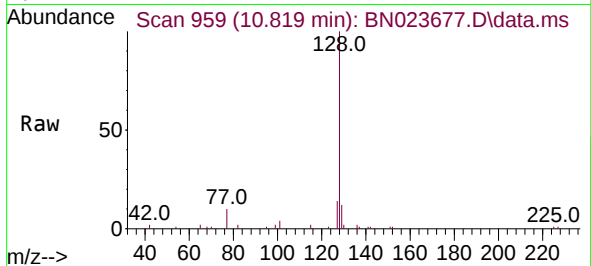
#9
Naphthalene
Concen: 0.203 ng
RT: 10.819 min Scan# 91
Delta R.T. 0.000 min
Lab File: BN023677.D
Acq: 17 Jan 2023 11:59

Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-03-QT2-2022

Tgt Ion:128 Resp: 7580
Ion Ratio Lower Upper
128 100
129 12.3 9.2 13.8
127 14.1 11.0 16.4

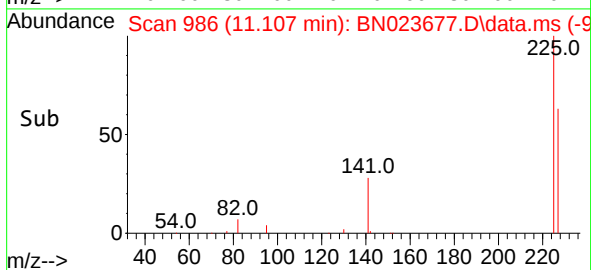
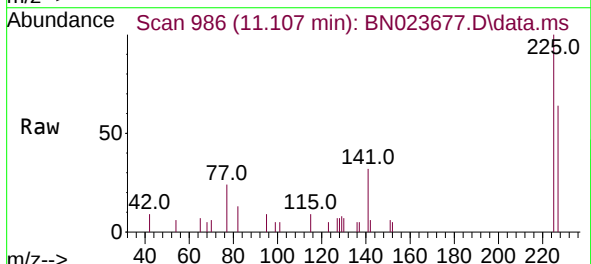
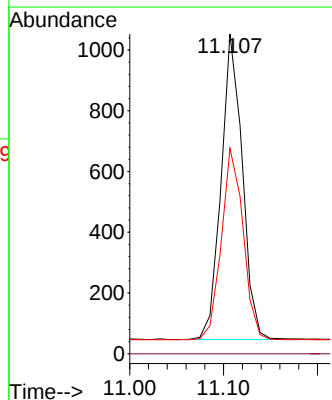
Manual Integrations
APPROVED

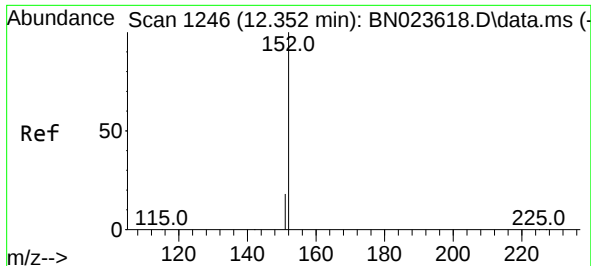
Reviewed By :Christian Giraldo 01/18/2023
Supervised By :Jagrut Upadhyay 01/18/2023



#10
Hexachlorobutadiene
Concen: 0.208 ng
RT: 11.107 min Scan# 986
Delta R.T. 0.011 min
Lab File: BN023677.D
Acq: 17 Jan 2023 11:59

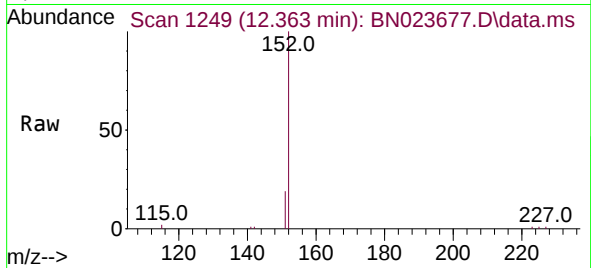
Tgt Ion:225 Resp: 1575
Ion Ratio Lower Upper
225 100
223 0.0 0.0 0.0
227 64.3 51.8 77.6





#11
2-Methylnaphthalene-d10
Concen: 0.427 ng
RT: 12.363 min Scan# 1246
Delta R.T. 0.008 min
Lab File: BN023677.D
Acq: 17 Jan 2023 11:59

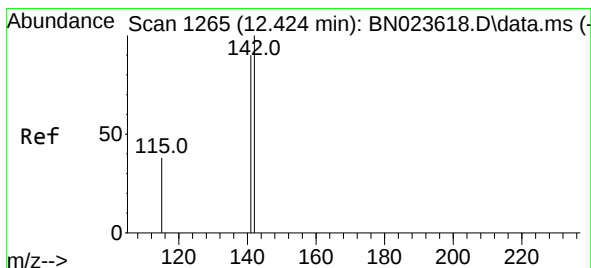
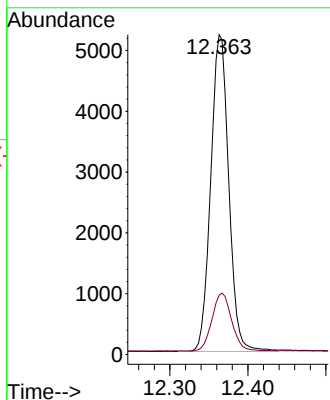
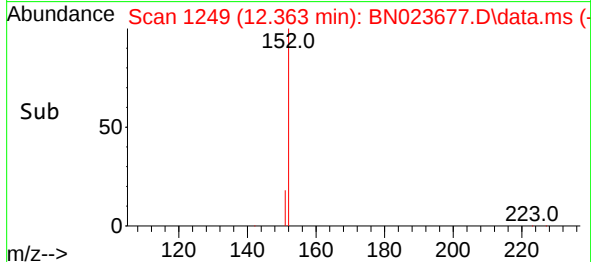
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-03-QT2-2022



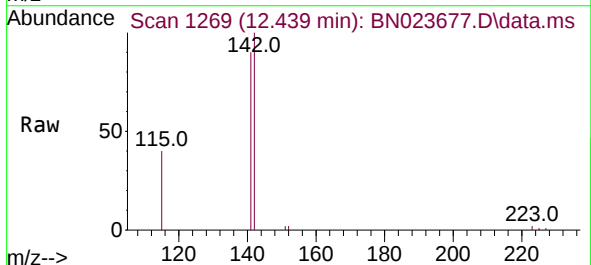
Tgt Ion:152 Resp: 8343
Ion Ratio Lower Upper
152 100
151 19.9 16.9 25.3

Manual Integrations
APPROVED

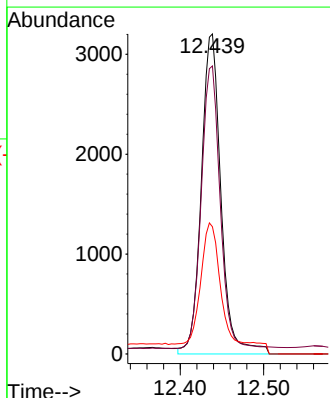
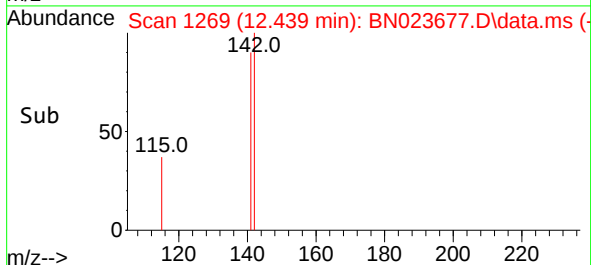
Reviewed By :Christian Giraldo 01/18/2023
Supervised By :Jagrut Upadhyay 01/18/2023

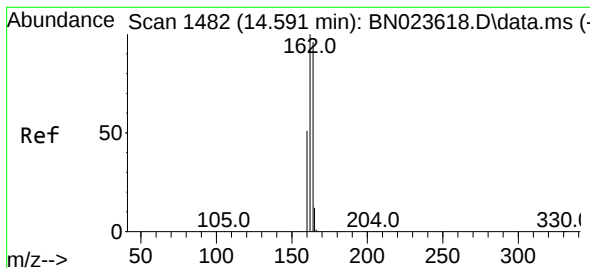


#12
2-Methylnaphthalene
Concen: 0.208 ng
RT: 12.439 min Scan# 1269
Delta R.T. 0.008 min
Lab File: BN023677.D
Acq: 17 Jan 2023 11:59



Tgt Ion:142 Resp: 5592
Ion Ratio Lower Upper
142 100
141 90.0 72.0 108.0
115 39.8 31.7 47.5





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.613 min Scan# 1484

Delta R.T. 0.011 min

Lab File: BN023677.D

Acq: 17 Jan 2023 11:59

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-03-QT2-2022

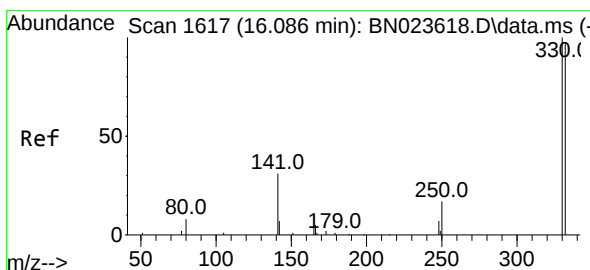
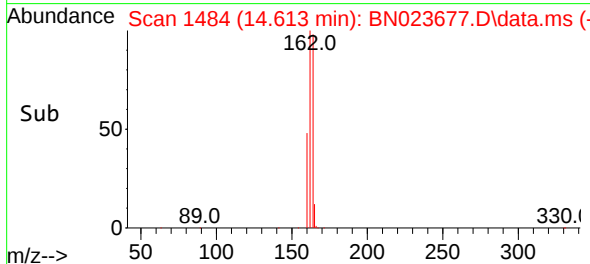
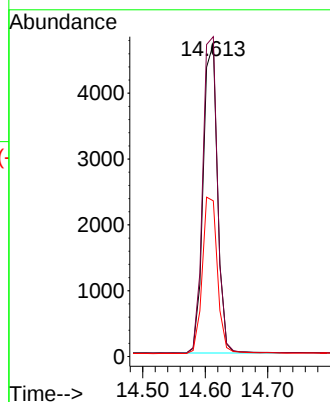
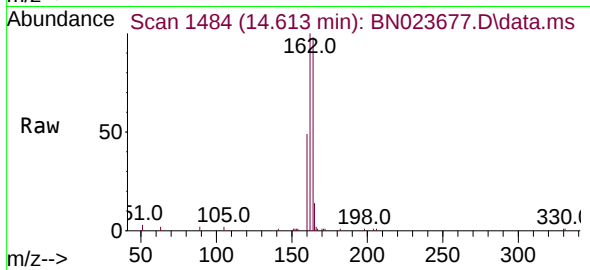
Tgt Ion:	164	Resp:	7528
Ion Ratio	Lower	Upper	
164	100		
162	102.3	83.4	125.2
160	49.8	42.7	64.1

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 01/18/2023

Supervised By :Jagrut Upadhyay 01/18/2023



#14

2,4,6-Tribromophenol

Concen: 0.257 ng

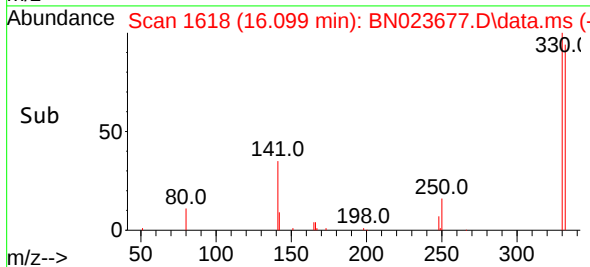
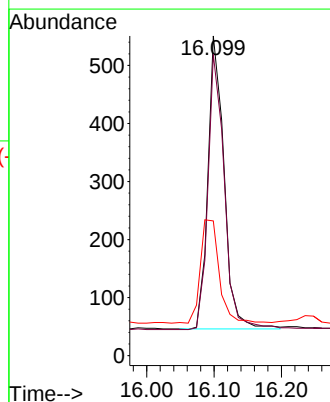
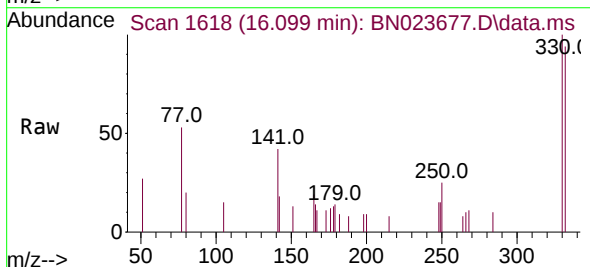
RT: 16.099 min Scan# 1618

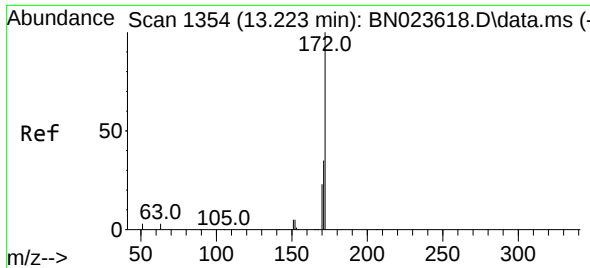
Delta R.T. -0.000 min

Lab File: BN023677.D

Acq: 17 Jan 2023 11:59

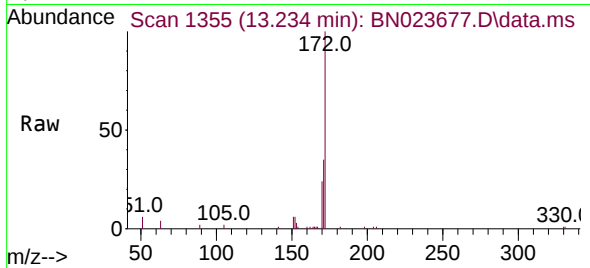
Tgt Ion:	330	Resp:	839
Ion Ratio	Lower	Upper	
330	100		
332	95.8	78.1	117.1
141	41.2	33.4	50.0





#15
2-Fluorobiphenyl
Concen: 0.279 ng
RT: 13.234 min Scan# 1354
Delta R.T. 0.011 min
Lab File: BN023677.D
Acq: 17 Jan 2023 11:59

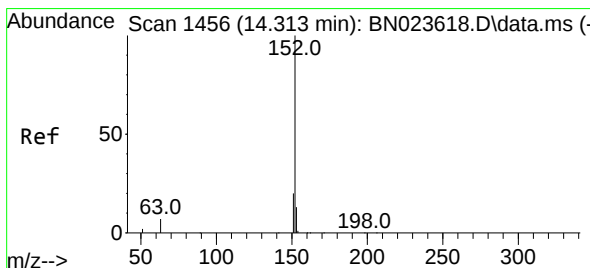
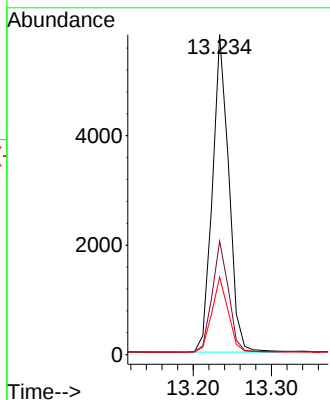
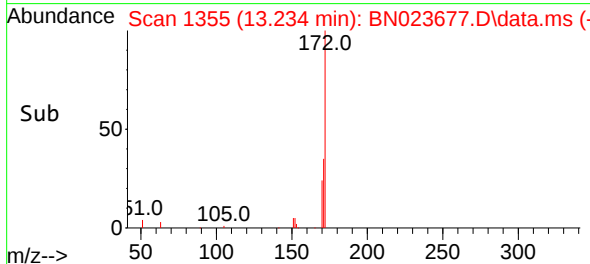
Instrument : BNA_N
ClientSampleId : MDL-SOIL-03-QT2-2022



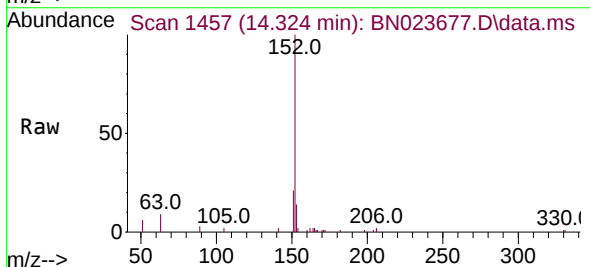
Tgt Ion:172 Resp: 8475
Ion Ratio Lower Upper
172 100
171 35.5 28.0 42.0
170 24.3 19.0 28.4

Manual Integrations
APPROVED

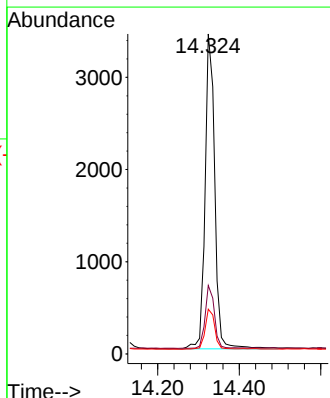
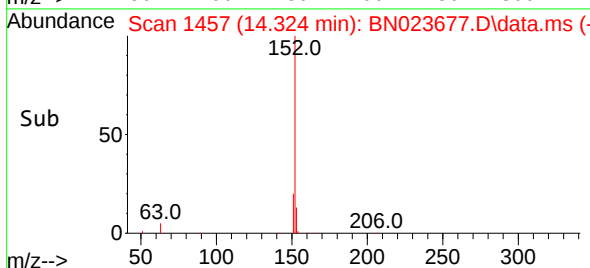
Reviewed By :Christian Giraldo 01/18/2023
Supervised By :Jagrut Upadhyay 01/18/2023

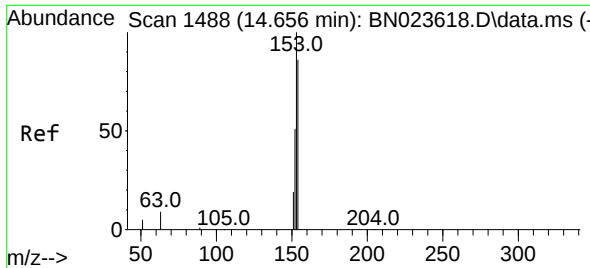


#16
Acenaphthylene
Concen: 0.185 ng
RT: 14.324 min Scan# 1457
Delta R.T. -0.000 min
Lab File: BN023677.D
Acq: 17 Jan 2023 11:59



Tgt Ion:152 Resp: 5610
Ion Ratio Lower Upper
152 100
151 19.3 15.6 23.4
153 12.7 10.5 15.7





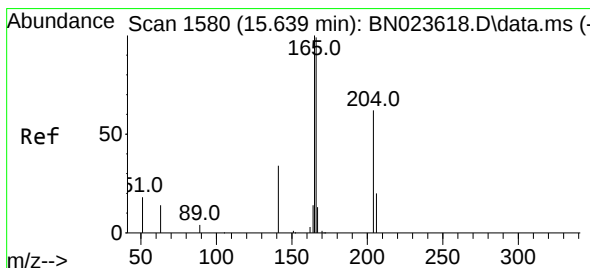
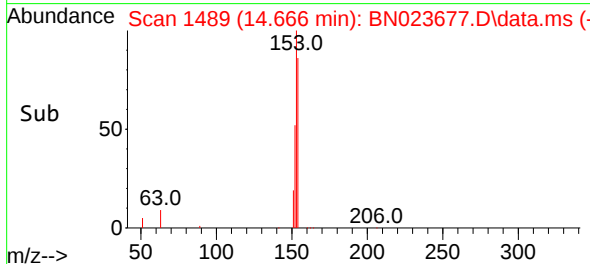
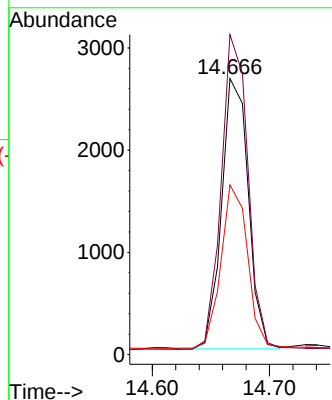
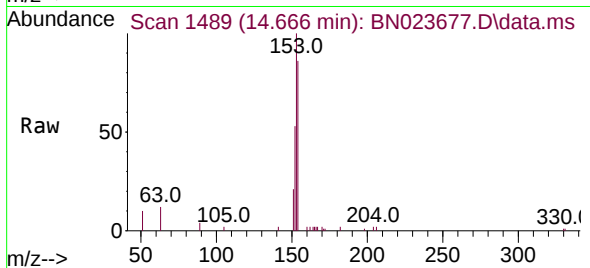
#17
Acenaphthene
Concen: 0.188 ng
RT: 14.666 min Scan# 1488
Delta R.T. -0.000 min
Lab File: BN023677.D
Acq: 17 Jan 2023 11:59

Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-03-QT2-2022

Tgt Ion:154 Resp: 4186
Ion Ratio Lower Upper
154 100
153 117.1 92.4 138.6
152 61.3 48.2 72.2

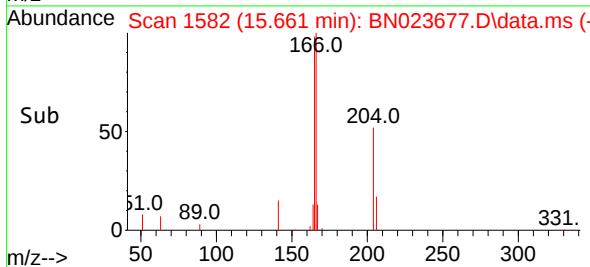
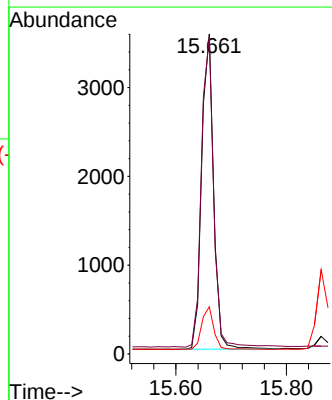
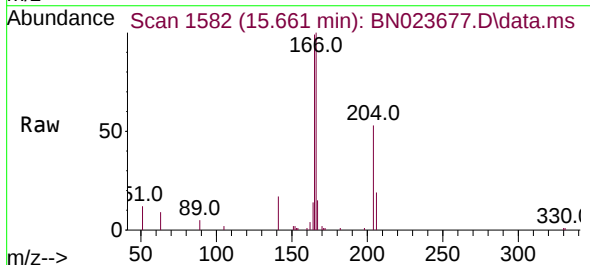
Manual Integrations
APPROVED

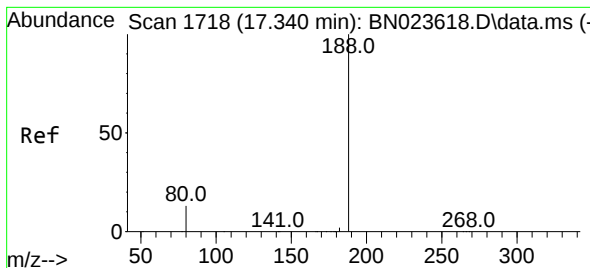
Reviewed By :Christian Giraldo 01/18/2023
Supervised By :Jagrut Upadhyay 01/18/2023



#18
Fluorene
Concen: 0.189 ng
RT: 15.661 min Scan# 1582
Delta R.T. 0.011 min
Lab File: BN023677.D
Acq: 17 Jan 2023 11:59

Tgt Ion:166 Resp: 5641
Ion Ratio Lower Upper
166 100
165 99.9 80.4 120.6
167 13.7 10.6 16.0





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.352 min Scan# 11

Delta R.T. -0.000 min

Lab File: BN023677.D

Acq: 17 Jan 2023 11:59

Instrument :

BNA_N

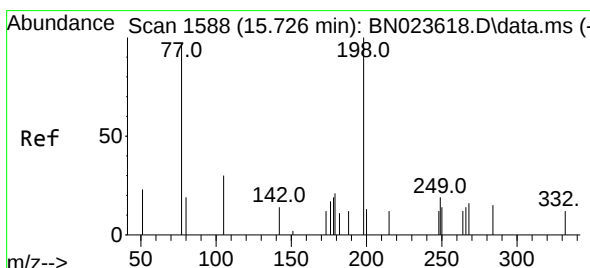
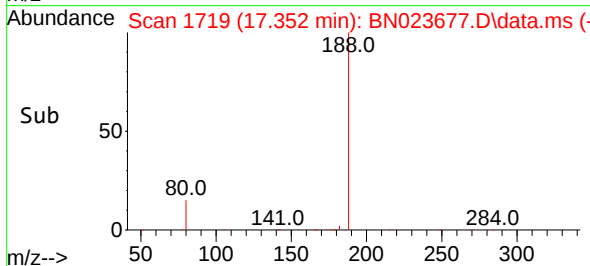
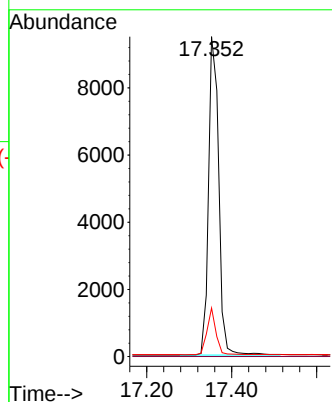
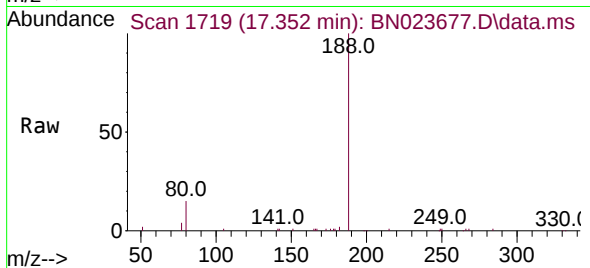
ClientSampleId :

MDL-SOIL-03-QT2-2022

Tgt Ion:188 Resp: 15744
 Ion Ratio Lower Upper
 188 100
 94 0.0 0.0 0.0
 80 15.2 11.0 16.4

Manual Integrations
 APPROVED

Reviewed By :Christian Giraldo 01/18/2023
 Supervised By :Jagrut Upadhyay 01/18/2023



#20

4,6-Dinitro-2-methylphenol

Concen: 0.164 ng

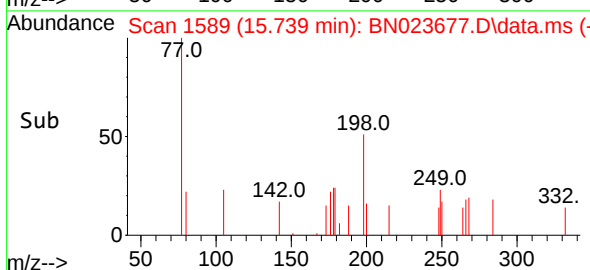
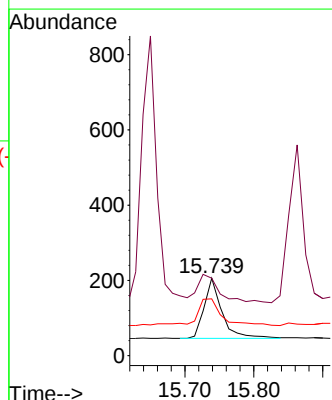
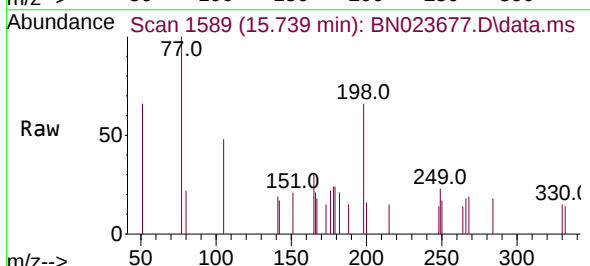
RT: 15.739 min Scan# 1589

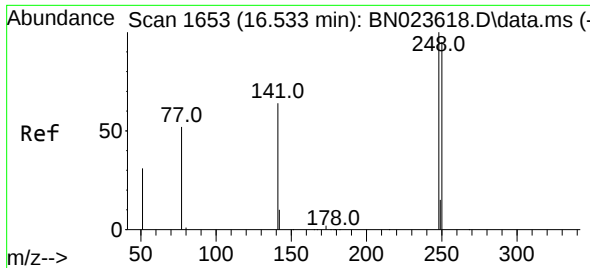
Delta R.T. 0.012 min

Lab File: BN023677.D

Acq: 17 Jan 2023 11:59

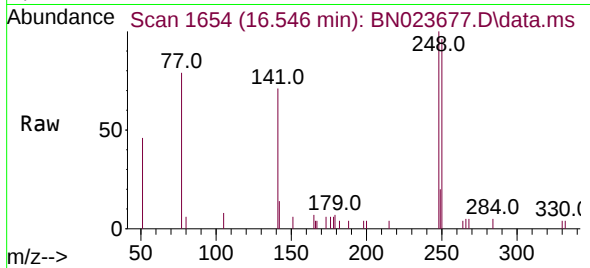
Tgt Ion:198 Resp: 280
 Ion Ratio Lower Upper
 198 100
 51 100.0 44.9 67.3#
 105 73.3 37.0 55.4#





#21
4-Bromophenyl-phenylether
Concen: 0.190 ng
RT: 16.546 min Scan# 1654
Delta R.T. 0.000 min
Lab File: BN023677.D
Acq: 17 Jan 2023 11:59

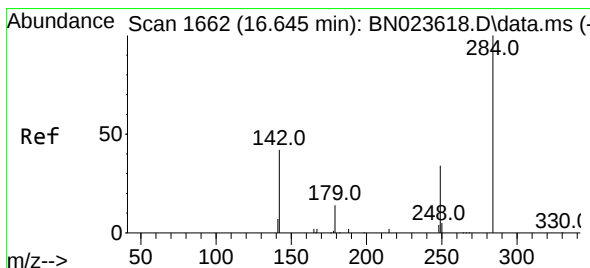
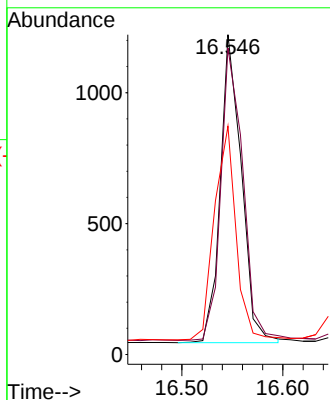
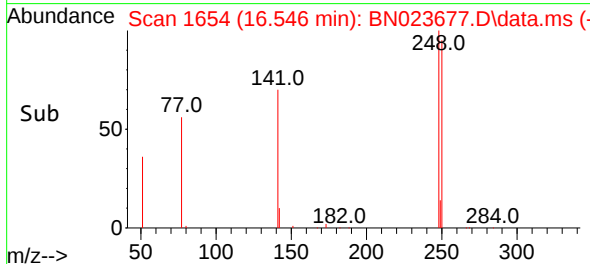
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-03-QT2-2022



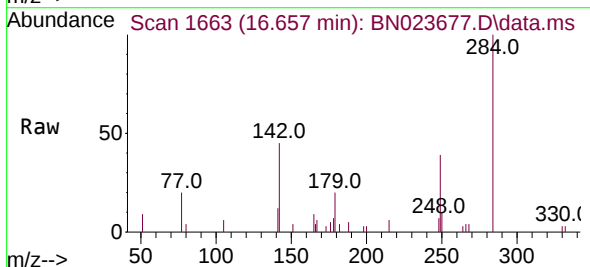
Tgt Ion: 248 Resp: 1709
Ion Ratio Lower Upper
248 100
250 95.8 76.6 114.8
141 71.4 52.3 78.5

Manual Integrations
APPROVED

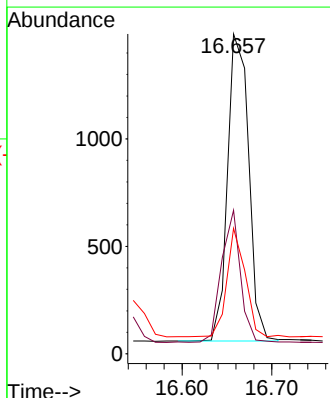
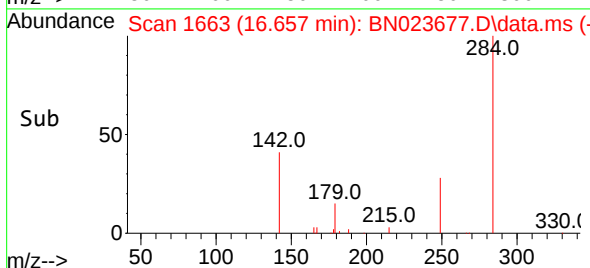
Reviewed By : Christian Giraldo 01/18/2023
Supervised By : Jagrut Upadhyay 01/18/2023

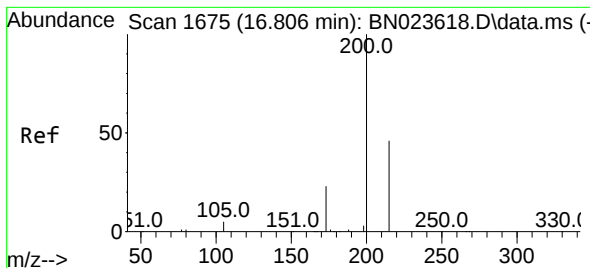


#22
Hexachlorobenzene
Concen: 0.208 ng
RT: 16.657 min Scan# 1663
Delta R.T. 0.000 min
Lab File: BN023677.D
Acq: 17 Jan 2023 11:59



Tgt Ion: 284 Resp: 2335
Ion Ratio Lower Upper
284 100
142 38.8 31.4 47.2
249 30.5 24.9 37.3





#23

Atrazine

Concen: 0.181 ng

RT: 16.819 min Scan# 1676

Delta R.T. -0.000 min

Lab File: BN023677.D

Acq: 17 Jan 2023 11:59

Instrument :

BNA_N

ClientSampleId :

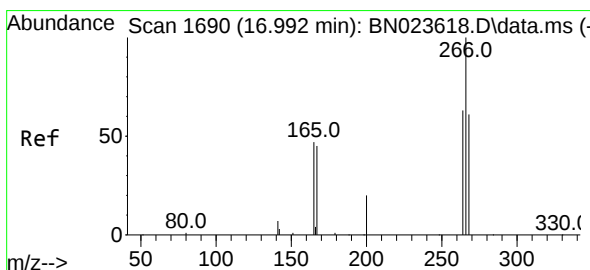
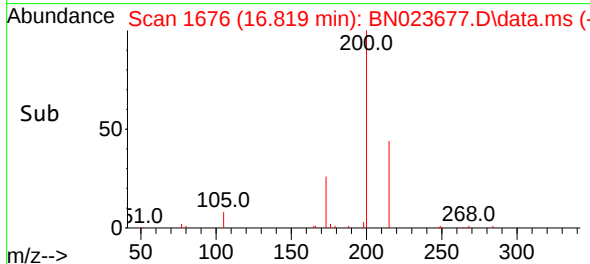
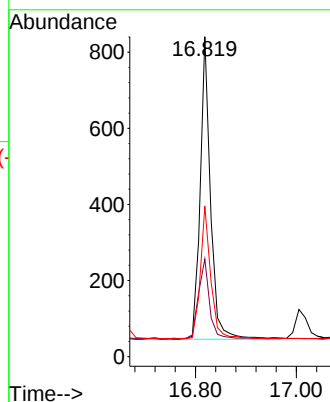
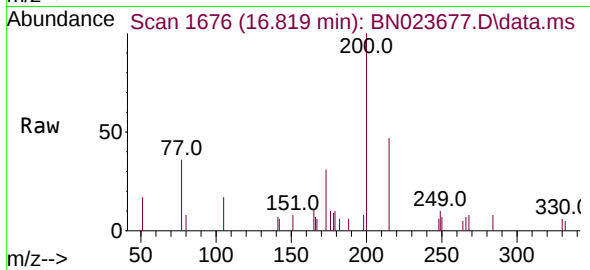
MDL-SOIL-03-QT2-2022

Tgt Ion:200	Resp:	1120
Ion Ratio	Lower	Upper
200	100	
173	30.6	20.4 30.6
215	47.0	38.1 57.1

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 01/18/2023
Supervised By :Jagrut Upadhyay 01/18/2023



#24

Pentachlorophenol

Concen: 0.174 ng

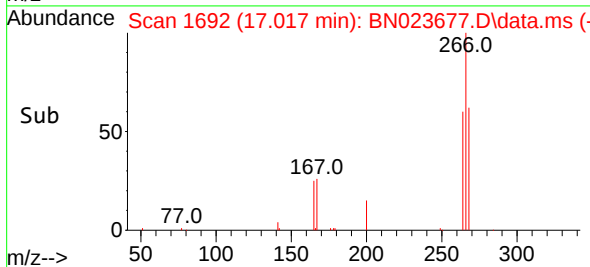
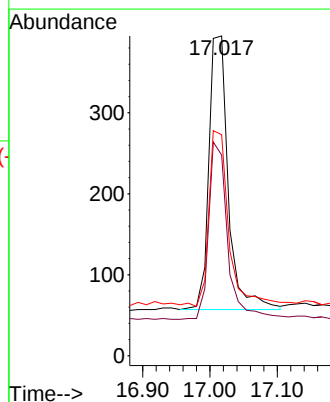
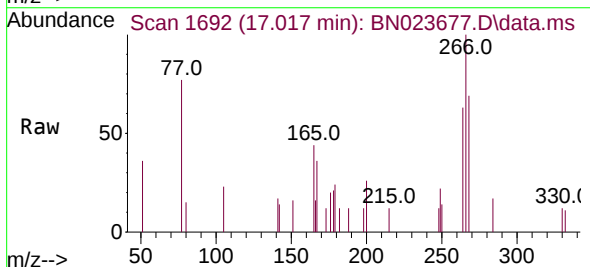
RT: 17.017 min Scan# 1692

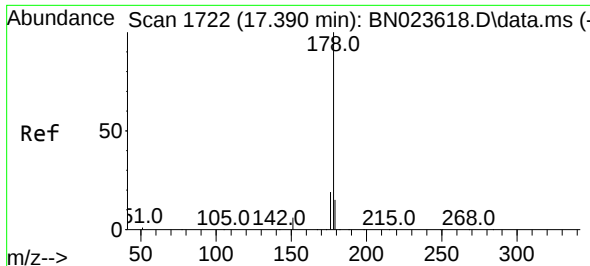
Delta R.T. 0.012 min

Lab File: BN023677.D

Acq: 17 Jan 2023 11:59

Tgt Ion:266	Resp:	677
Ion Ratio	Lower	Upper
266	100	
264	63.7	49.7 74.5
268	64.0	49.3 73.9





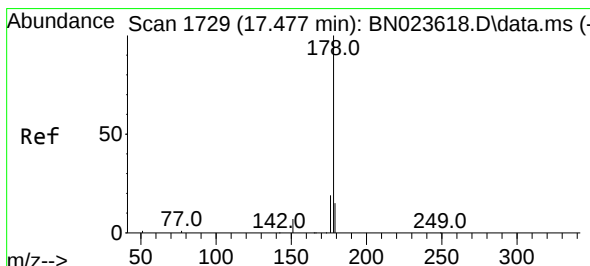
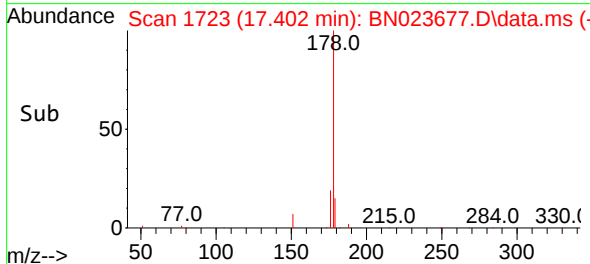
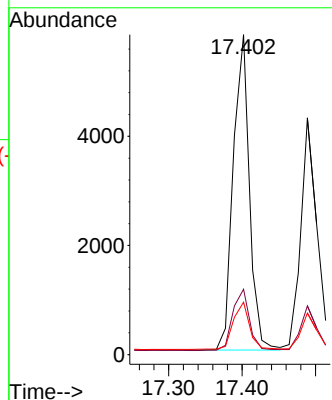
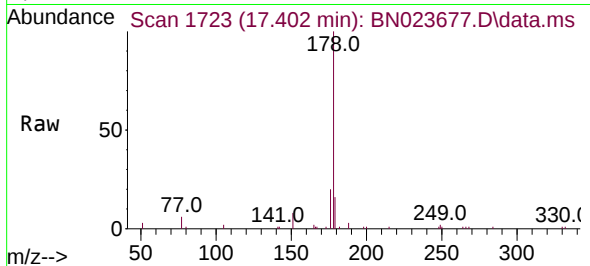
#25
Phenanthrene
Concen: 0.192 ng
RT: 17.402 min Scan# 1730
Delta R.T. 0.012 min
Lab File: BN023677.D
Acq: 17 Jan 2023 11:59

Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-03-QT2-2022

Tgt Ion:178 Resp: 8863
Ion Ratio Lower Upper
178 100
176 20.3 15.9 23.9
179 15.2 12.5 18.7

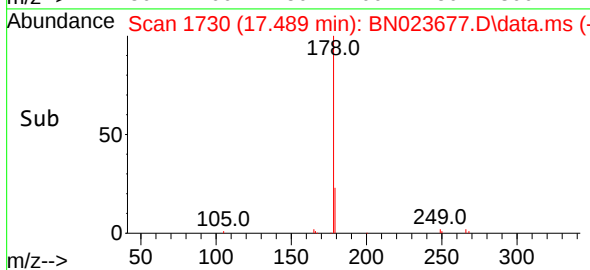
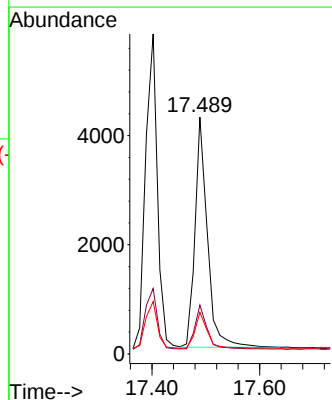
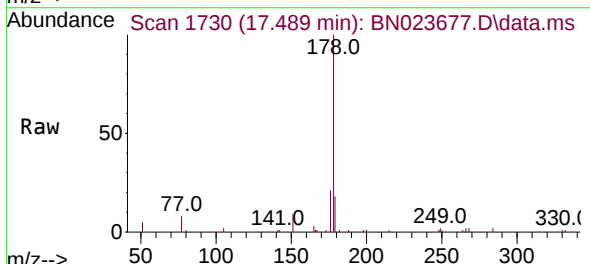
Manual Integrations
APPROVED

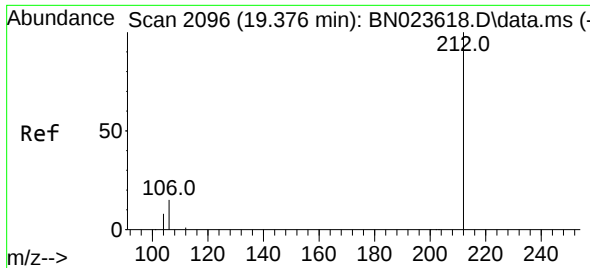
Reviewed By :Christian Giraldo 01/18/2023
Supervised By :Jagrut Upadhyay 01/18/2023



#26
Anthracene
Concen: 0.182 ng
RT: 17.489 min Scan# 1730
Delta R.T. -0.000 min
Lab File: BN023677.D
Acq: 17 Jan 2023 11:59

Tgt Ion:178 Resp: 6720
Ion Ratio Lower Upper
178 100
176 18.7 15.1 22.7
179 15.1 12.2 18.2





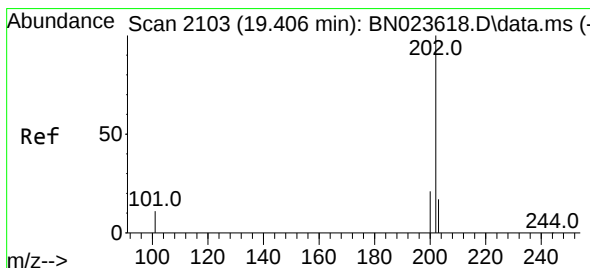
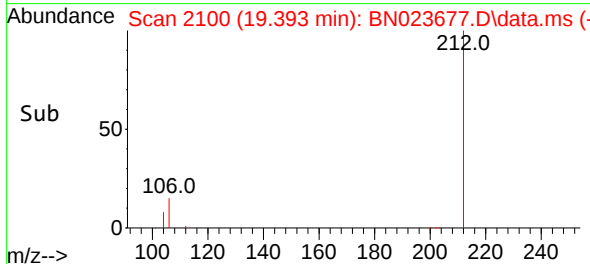
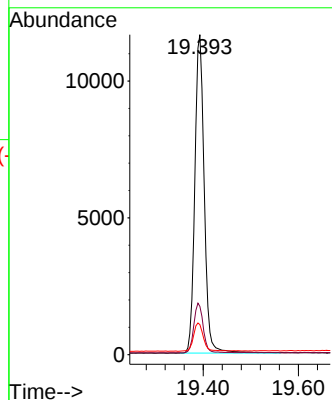
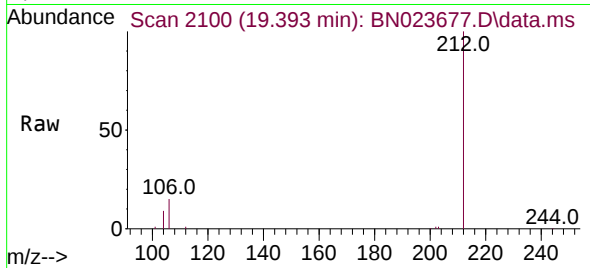
#27
Fluoranthene-d10
Concen: 0.414 ng
RT: 19.393 min Scan# 2100
Delta R.T. 0.004 min
Lab File: BN023677.D
Acq: 17 Jan 2023 11:59

Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-03-QT2-2022

Tgt Ion:212 Resp: 15979
Ion Ratio Lower Upper
212 100
106 15.6 12.2 18.4
104 9.2 7.1 10.7

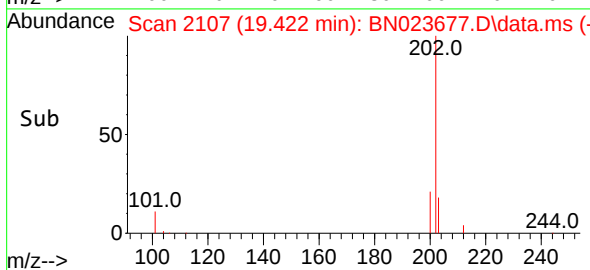
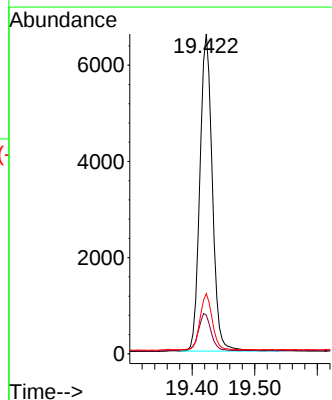
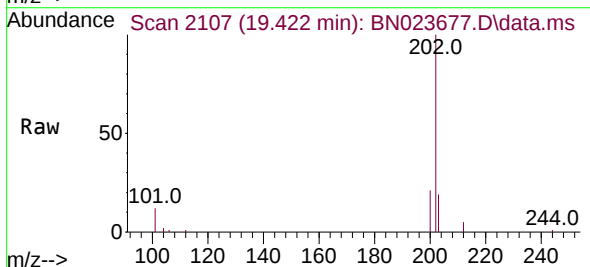
Manual Integrations
APPROVED

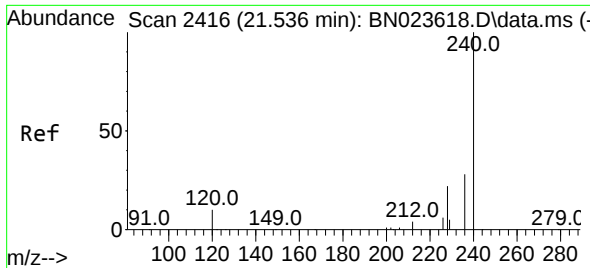
Reviewed By :Christian Giraldo 01/18/2023
Supervised By :Jagrut Upadhyay 01/18/2023



#28
Fluoranthene
Concen: 0.174 ng
RT: 19.422 min Scan# 2107
Delta R.T. 0.004 min
Lab File: BN023677.D
Acq: 17 Jan 2023 11:59

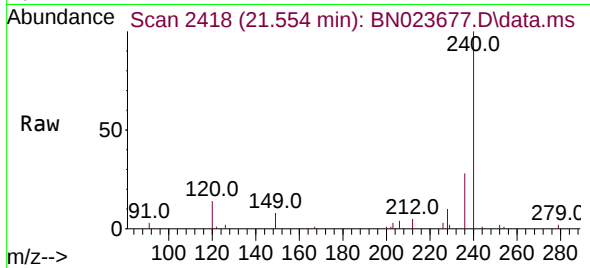
Tgt Ion:202 Resp: 9085
Ion Ratio Lower Upper
202 100
101 12.7 9.7 14.5
203 17.2 13.8 20.6





#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.554 min Scan# 2416
Delta R.T. 0.009 min
Lab File: BN023677.D
Acq: 17 Jan 2023 11:59

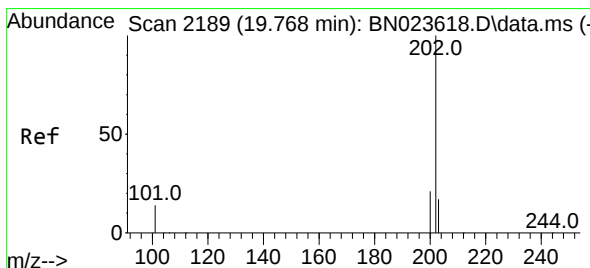
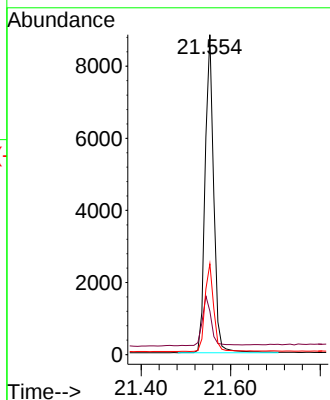
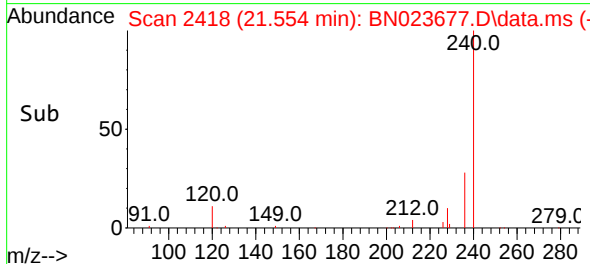
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-03-QT2-2022



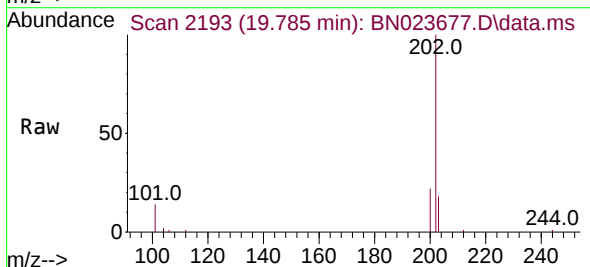
Tgt Ion:240 Resp: 11776
Ion Ratio Lower Upper
240 100
120 13.6 10.6 15.8
236 28.4 23.0 34.6

Manual Integrations
APPROVED

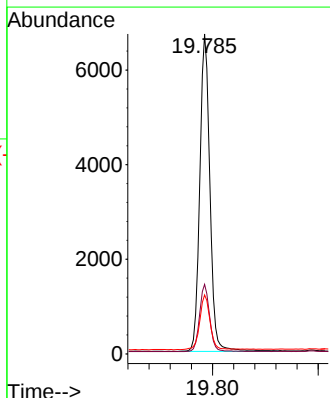
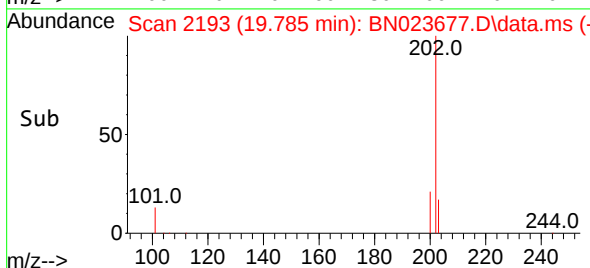
Reviewed By :Christian Giraldo 01/18/2023
Supervised By :Jagrut Upadhyay 01/18/2023

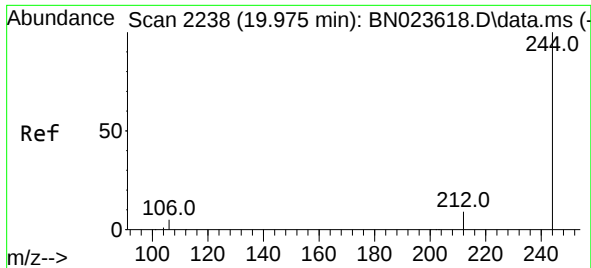


#30
Pyrene
Concen: 0.197 ng
RT: 19.785 min Scan# 2193
Delta R.T. 0.004 min
Lab File: BN023677.D
Acq: 17 Jan 2023 11:59



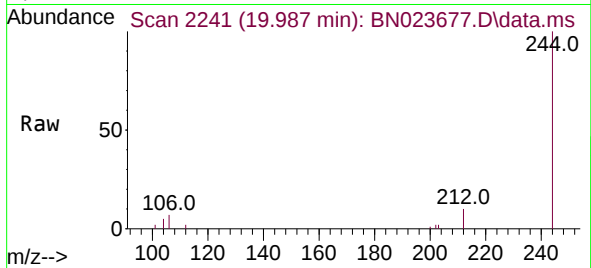
Tgt Ion:202 Resp: 8884
Ion Ratio Lower Upper
202 100
200 21.1 17.0 25.4
203 17.6 14.2 21.2





#31
 Terphenyl-d14
 Concen: 0.319 ng
 RT: 19.987 min Scan# 21
 Delta R.T. 0.004 min
 Lab File: BN023677.D
 Acq: 17 Jan 2023 11:59

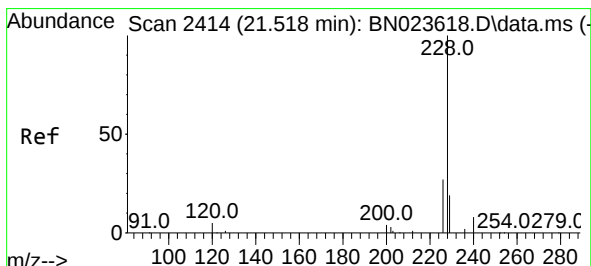
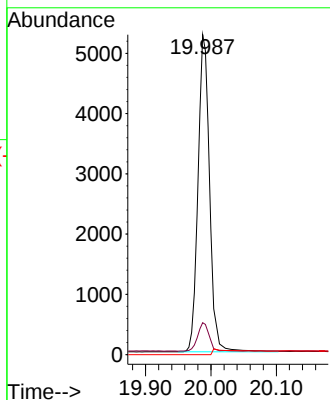
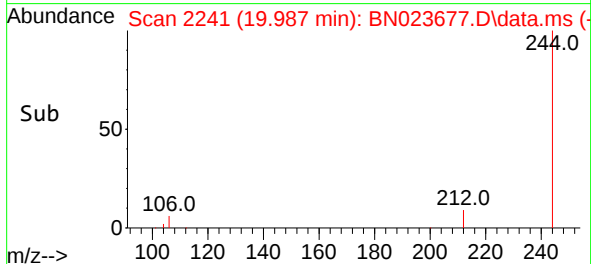
Instrument :
 BNA_N
 ClientSampleId :
 MDL-SOIL-03-QT2-2022



Tgt Ion:244 Resp: 9503
 Ion Ratio Lower Upper
 244 100
 212 10.0 7.5 11.3
 122 0.0 0.0 0.0

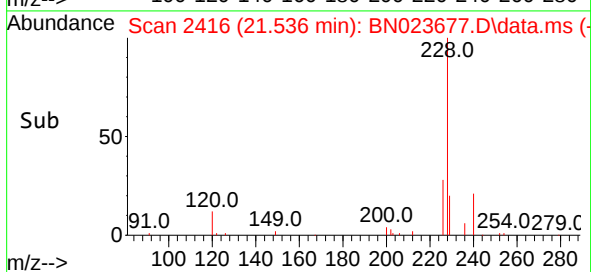
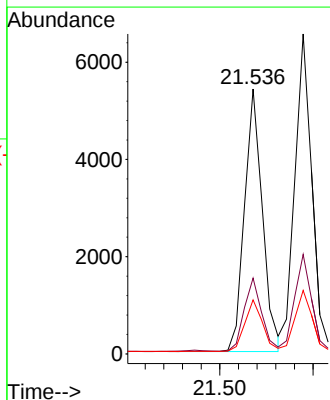
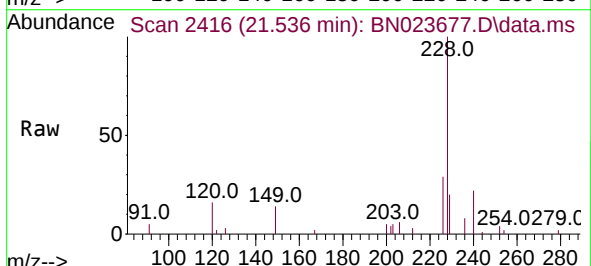
Manual Integrations
 APPROVED

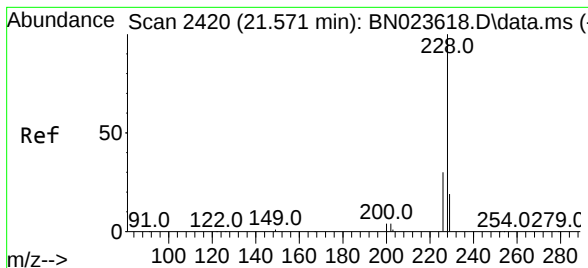
Reviewed By :Christian Giraldo 01/18/2023
 Supervised By :Jagrut Upadhyay 01/18/2023



#32
 Benzo(a)anthracene
 Concen: 0.189 ng
 RT: 21.536 min Scan# 2416
 Delta R.T. 0.009 min
 Lab File: BN023677.D
 Acq: 17 Jan 2023 11:59

Tgt Ion:228 Resp: 7199
 Ion Ratio Lower Upper
 228 100
 226 28.6 22.2 33.2
 229 20.4 15.7 23.5





#33

Chrysene

Concen: 0.199 ng

RT: 21.589 min Scan# 2420

Delta R.T. 0.009 min

Lab File: BN023677.D

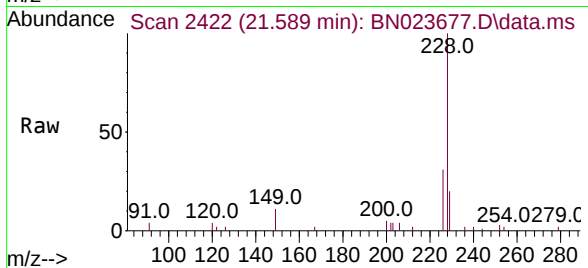
Acq: 17 Jan 2023 11:59

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-03-QT2-2022



Tgt Ion:228 Resp: 8340

Ion Ratio Lower Upper

228 100

226 31.1 24.4 36.6

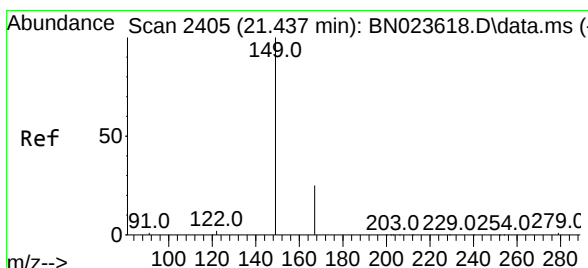
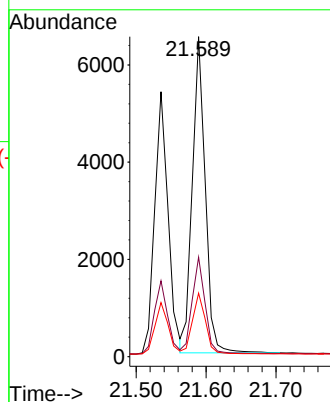
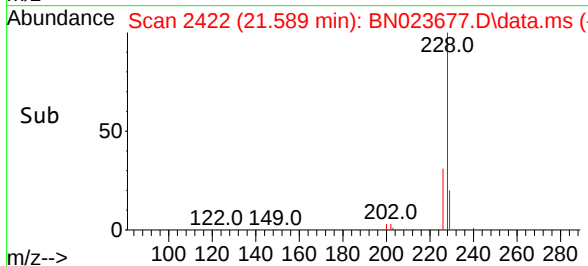
229 19.9 15.6 23.4

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 01/18/2023

Supervised By :Jagrut Upadhyay 01/18/2023



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.212 ng

RT: 21.455 min Scan# 2407

Delta R.T. -0.000 min

Lab File: BN023677.D

Acq: 17 Jan 2023 11:59

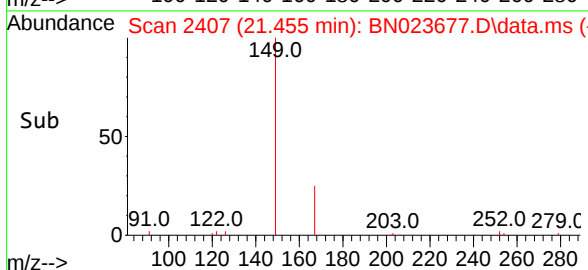
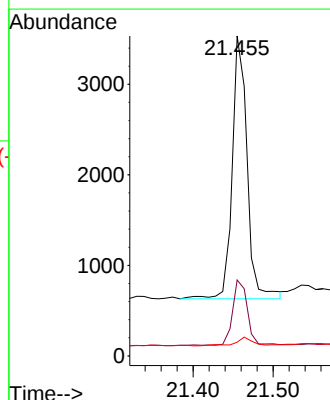
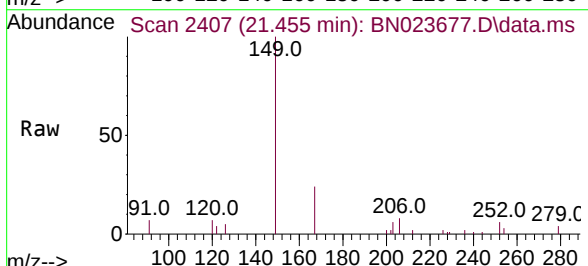
Tgt Ion:149 Resp: 3767

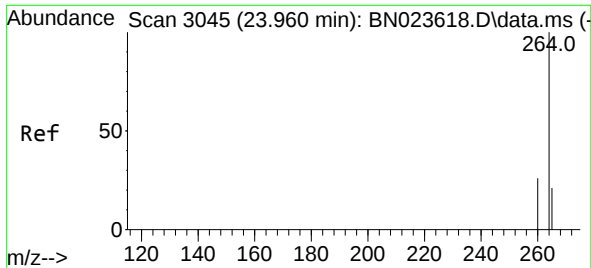
Ion Ratio Lower Upper

149 100

167 24.7 20.6 30.8

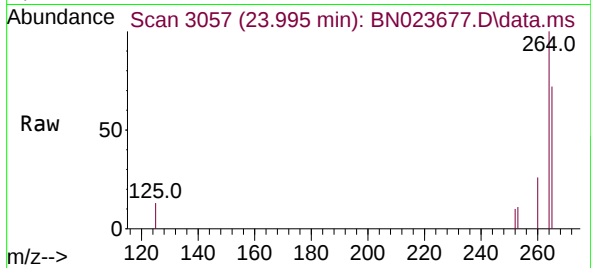
279 3.9 2.6 4.0





#35
Perylene-d12
Concen: 0.400 ng
RT: 23.995 min Scan# 3045
Delta R.T. 0.012 min
Lab File: BN023677.D
Acq: 17 Jan 2023 11:59

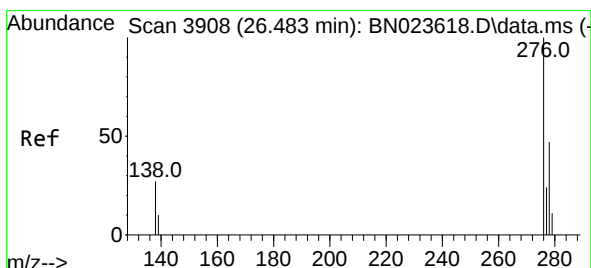
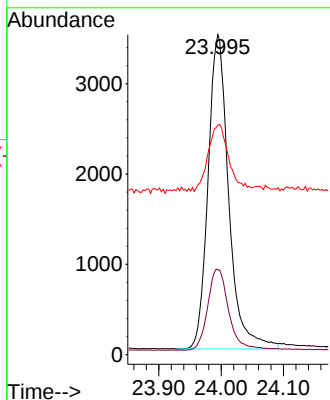
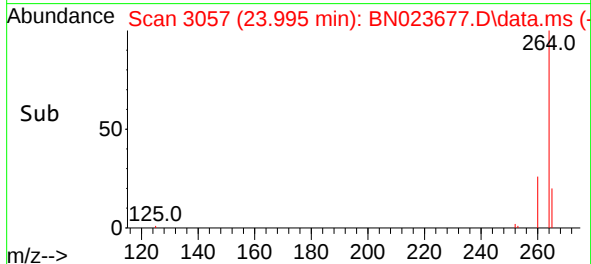
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-03-QT2-2022



Tgt Ion:264 Resp: 8009
Ion Ratio Lower Upper
264 100
260 26.5 21.4 32.2
265 71.7 56.6 85.0

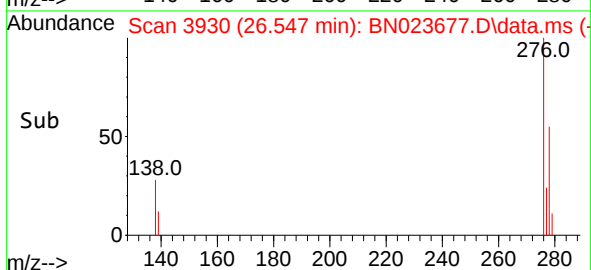
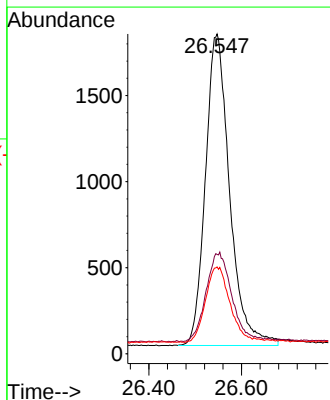
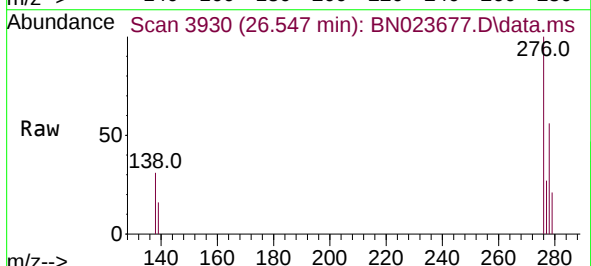
Manual Integrations
APPROVED

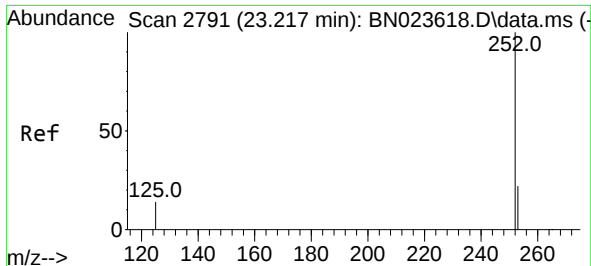
Reviewed By :Christian Giraldo 01/18/2023
Supervised By :Jagrut Upadhyay 01/18/2023



#36
Indeno(1,2,3-cd)pyrene
Concen: 0.183 ng
RT: 26.547 min Scan# 3930
Delta R.T. 0.020 min
Lab File: BN023677.D
Acq: 17 Jan 2023 11:59

Tgt Ion:276 Resp: 6560
Ion Ratio Lower Upper
276 100
138 30.2 23.8 35.8
277 24.4 19.8 29.6





#37

Benzo(b)fluoranthene

Concen: 0.212 ng

RT: 23.246 min Scan# 2801

Delta R.T. 0.009 min

Lab File: BN023677.D

Acq: 17 Jan 2023 11:59

Instrument :

BN023677.D

ClientSampleId :

MDL-SOIL-03-QT2-2022

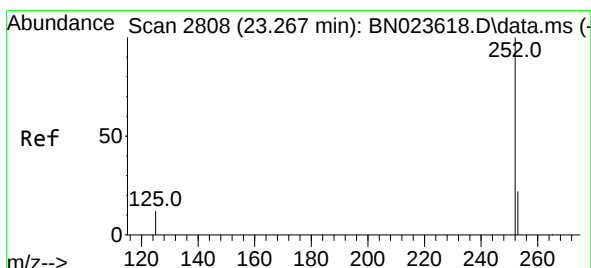
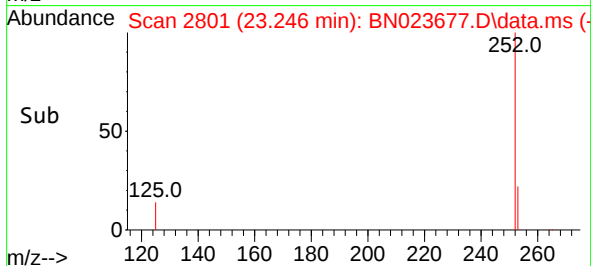
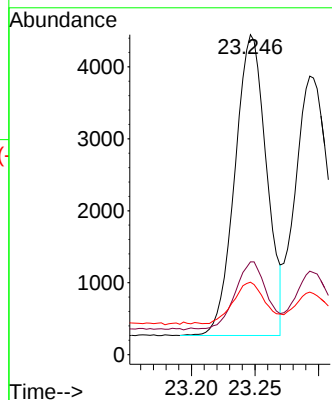
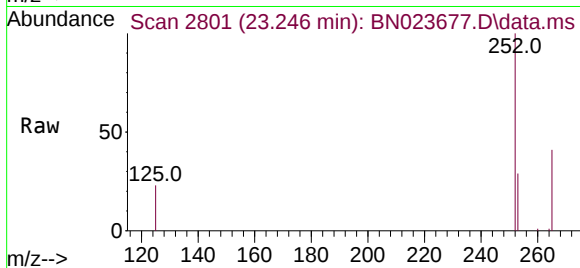
Tgt Ion:252 Resp: 7244

Ion	Ratio	Lower	Upper
252	100		
253	29.0	20.0	30.0
125	22.6	14.4	21.6

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 01/18/2023
Supervised By :Jagrut Upadhyay 01/18/2023



#38

Benzo(k)fluoranthene

Concen: 0.206 ng m

RT: 23.293 min Scan# 2817

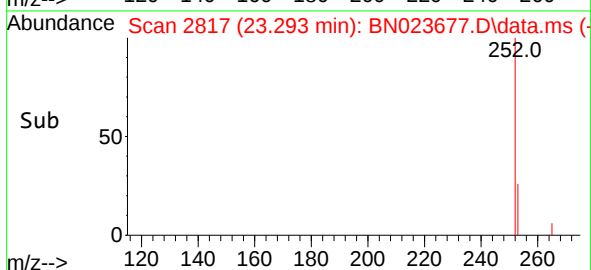
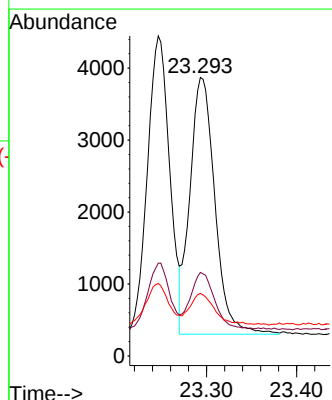
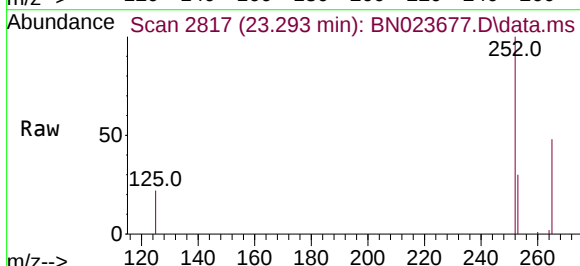
Delta R.T. 0.006 min

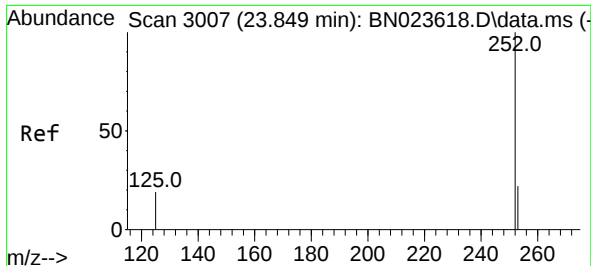
Lab File: BN023677.D

Acq: 17 Jan 2023 11:59

Tgt Ion:252 Resp: 6879

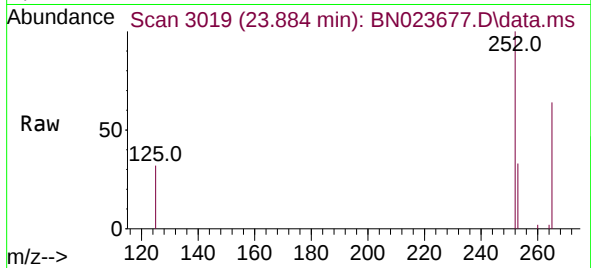
Ion	Ratio	Lower	Upper
252	100		
253	30.0	20.2	30.2
125	22.4	13.0	19.4





#39
Benzo(a)pyrene
Concen: 0.222 ng
RT: 23.884 min Scan# 3007
Delta R.T. 0.009 min
Lab File: BN023677.D
Acq: 17 Jan 2023 11:59

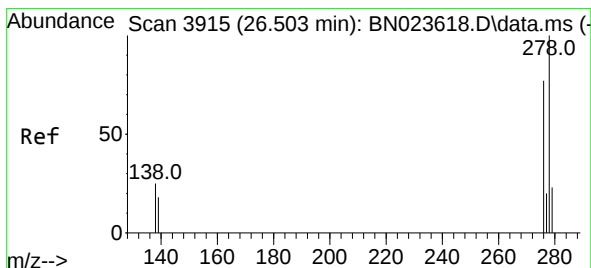
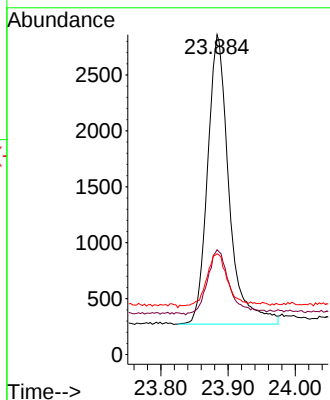
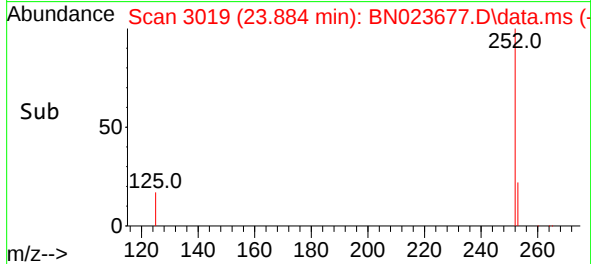
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-03-QT2-2022



Tgt Ion:252 Resp: 5731
Ion Ratio Lower Upper
252 100
253 32.8 22.3 33.5
125 31.5 21.2 31.8

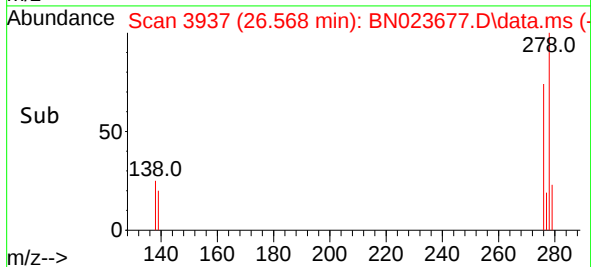
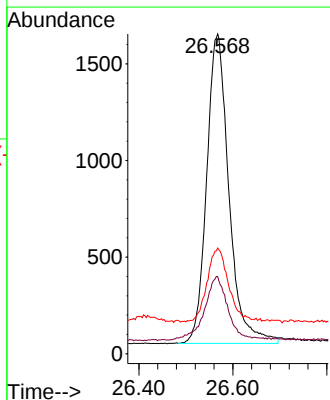
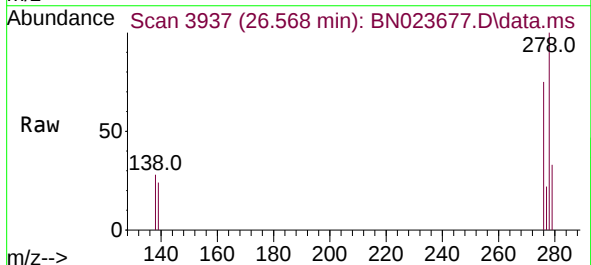
Manual Integrations
APPROVED

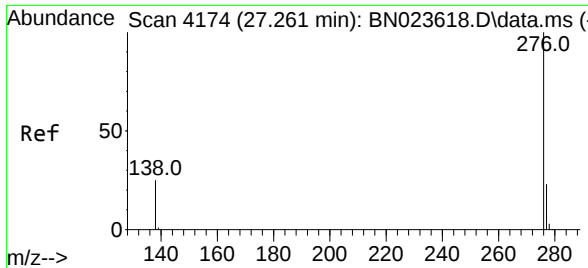
Reviewed By :Christian Giraldo 01/18/2023
Supervised By :Jagrut Upadhyay 01/18/2023



#40
Dibenzo(a,h)anthracene
Concen: 0.183 ng
RT: 26.568 min Scan# 3937
Delta R.T. 0.015 min
Lab File: BN023677.D
Acq: 17 Jan 2023 11:59

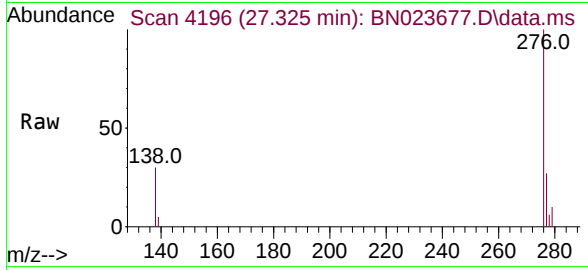
Tgt Ion:278 Resp: 5262
Ion Ratio Lower Upper
278 100
139 24.1 16.8 25.2
279 33.1 21.5 32.3#





#41
Benzo(g,h,i)perylene
Concen: 0.199 ng
RT: 27.325 min Scan# 41
Delta R.T. 0.012 min
Lab File: BN023677.D
Acq: 17 Jan 2023 11:59

Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-03-QT2-2022



Tgt Ion: 276 Resp: 584

Ion	Ratio	Lower	Upper
276	100		
277	27.3	19.6	29.4
138	29.8	21.5	32.3

Manual Integrations
APPROVED

Reviewed By : Christian Giraldo 01/18/2023
Supervised By : Jagrut Upadhyay 01/18/2023

