

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN031822\
 Data File : BN019011.D
 Acq On : 18 Mar 2022 11:51
 Operator : CG/JU
 Sample : N1645-03
 Misc : MDL-MDL-SOIL 0.1ng
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 MDL-SOIL-03-QT1-2022

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 03/21/2022
 Supervised By : Jagrut Upadhyay 03/22/2022

Quant Time: Mar 18 16:26:54 2022
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN031722.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 18 16:26:38 2022
 Response via : Initial Calibration

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

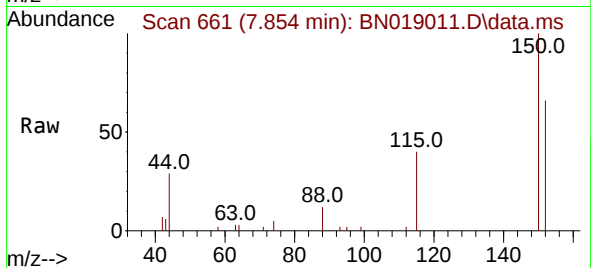
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.854	152	4615	0.400	ng	0.00
7) Naphthalene-d8	10.658	136	12052	0.400	ng	# 0.00
13) Acenaphthene-d10	14.495	164	7324	0.400	ng	0.00
19) Phenanthrene-d10	17.236	188	14317	0.400	ng	# 0.00
29) Chrysene-d12	21.422	240	8573	0.400	ng	# 0.00
35) Perylene-d12	23.796	264	5951	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.399	112	4763	0.461	ng	0.00
5) Phenol-d6	7.009	99	4313	0.398	ng	0.00
8) Nitrobenzene-d5	9.003	82	3170	0.365	ng	-0.01
11) 2-Methylnaphthalene-d10	12.250	152	7899	0.395	ng	0.00
14) 2,4,6-Tribromophenol	15.984	330	1047	0.296	ng	0.00
15) 2-Fluorobiphenyl	13.116	172	12576	0.428	ng	-0.01
27) Fluoranthene-d10	19.265	212	16306	0.384	ng	0.00
31) Terphenyl-d14	19.864	244	10044	0.477	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.247	88	853	0.150	ng	87
3) n-Nitrosodimethylamine	3.571	42	822	0.124	ng	# 81
6) bis(2-Chloroethyl)ether	7.269	93	1464	0.113	ng	99
9) Naphthalene	10.712	128	4193	0.122	ng	96
10) Hexachlorobutadiene	11.000	225	958	0.114	ng	# 99
12) 2-Methylnaphthalene	12.325	142	2689	0.115	ng	97
16) Acenaphthylene	14.206	152	3468	0.102	ng	99
17) Acenaphthene	14.549	154	2635	0.111	ng	97
18) Fluorene	15.543	166	3157	0.105	ng	97
20) 4,6-Dinitro-2-methylph...	15.639	198	94	0.053	ng	# 1
21) 4-Bromophenyl-phenylether	16.425	248	879	0.097	ng	# 81
22) Hexachlorobenzene	16.548	284	1436	0.123	ng	97
23) Atrazine	16.692	200	650	0.096	ng	# 86
24) Pentachlorophenol	16.897	266	194	0.054	ng	93
25) Phenanthrene	17.277	178	4814	0.108	ng	99
26) Anthracene	17.369	178	3373	0.089	ng	99
28) Fluoranthene	19.295	202	5544	0.106	ng	99
30) Pyrene	19.662	202	5489	0.129	ng	99
32) Benzo(a)anthracene	21.413	228	2437	0.092	ng	96
33) Chrysene	21.458	228	3963	0.111	ng	94
34) Bis(2-ethylhexyl)phtha...	21.333	149	1924	0.110	ng	100
36) Indeno(1,2,3-cd)pyrene	26.267	276	2791m	0.130	ng	
37) Benzo(b)fluoranthene	23.077	252	2331	0.107	ng	# 61
38) Benzo(k)fluoranthene	23.127	252	3207m	0.108	ng	
39) Benzo(a)pyrene	23.697	252	2382m	0.121	ng	
40) Dibenzo(a,h)anthracene	26.302	278	1957m	0.117	ng	
41) Benzo(g,h,i)perylene	27.009	276	2509m	0.119	ng	

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



#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.854 min Scan# 661
Delta R.T. 0.000 min
Lab File: BN019011.D
Acq: 18 Mar 2022 11:51

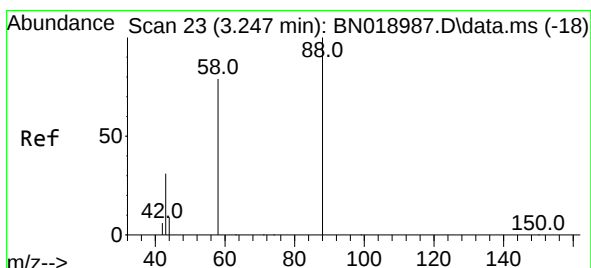
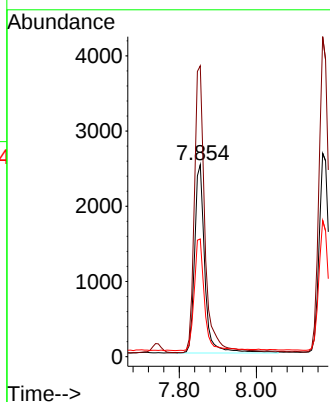
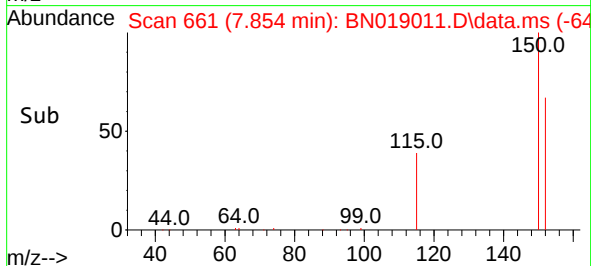
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-03-QT1-2022



Tgt Ion: 152 Resp: 461
Ion Ratio Lower Upper
152 100
150 151.5 123.9 185.9
115 61.3 48.2 72.4

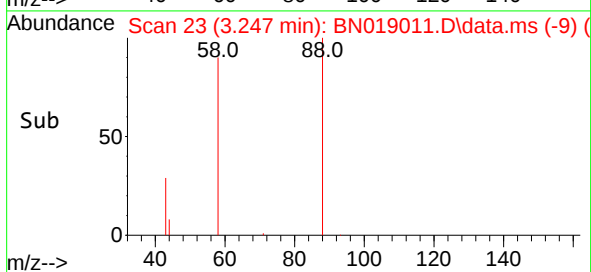
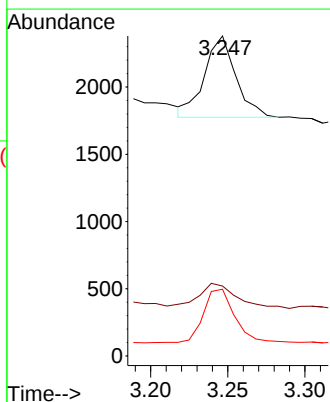
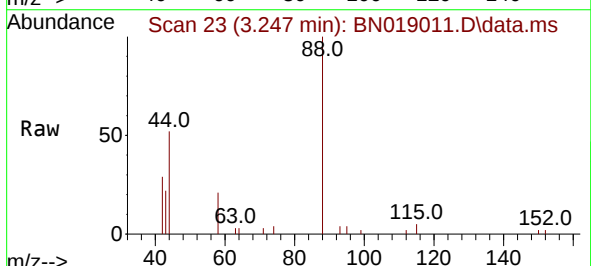
Manual Integrations
APPROVED

Reviewed By : Christian Giraldo 03/21/2022
Supervised By : Jagrut Upadhyay 03/22/2022



#2
1,4-Dioxane
Concen: 0.150 ng
RT: 3.247 min Scan# 23
Delta R.T. -0.000 min
Lab File: BN019011.D
Acq: 18 Mar 2022 11:51

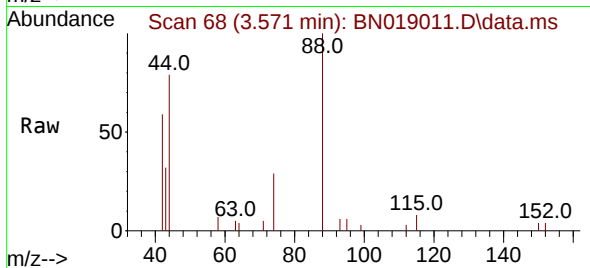
Tgt Ion: 88 Resp: 853
Ion Ratio Lower Upper
88 100
43 29.5 24.6 37.0
58 66.1 65.4 98.2





#3
n-Nitrosodimethylamine
Concen: 0.124 ng
RT: 3.571 min Scan# 61
Delta R.T. -0.000 min
Lab File: BN019011.D
Acq: 18 Mar 2022 11:51

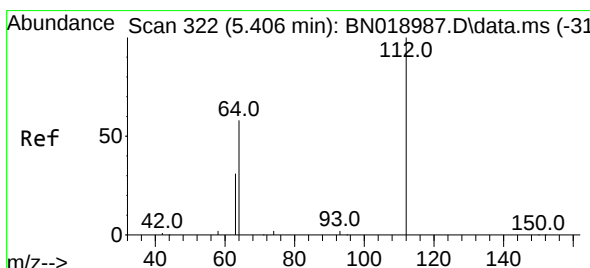
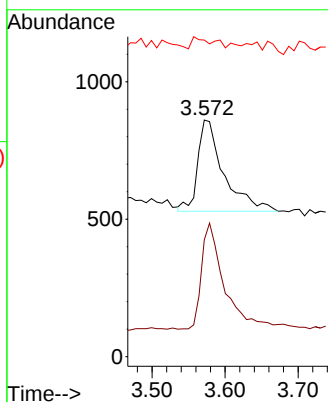
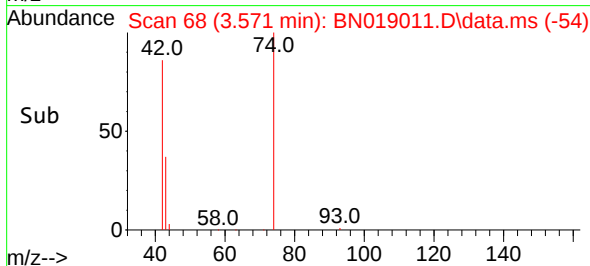
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-03-QT1-2022



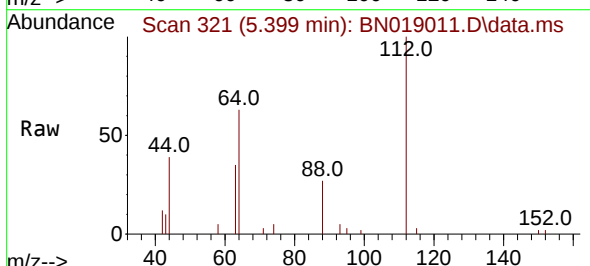
Tgt Ion: 42 Resp: 82
Ion Ratio Lower Upper
42 100
74 101.0 96.9 145.3
44 0.0 7.3 10.9

Manual Integrations
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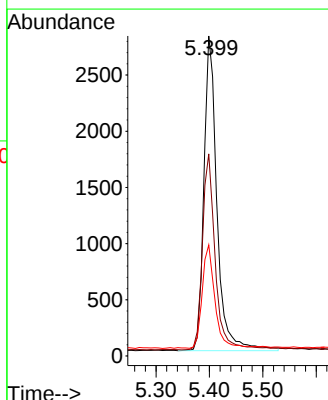
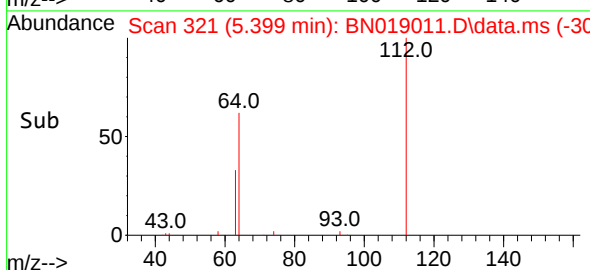
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Supervised By :Jagrut Upadhyay 03/22/2022



#4
2-Fluorophenol
Concen: 0.461 ng
RT: 5.399 min Scan# 321
Delta R.T. -0.007 min
Lab File: BN019011.D
Acq: 18 Mar 2022 11:51



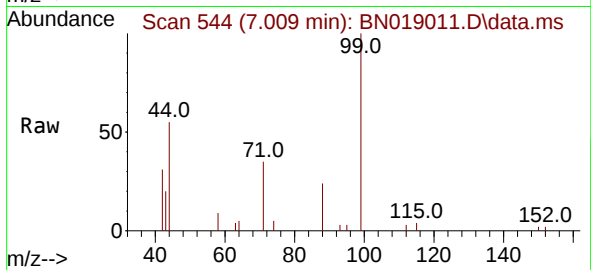
Tgt Ion:112 Resp: 4763
Ion Ratio Lower Upper
112 100
64 61.4 47.8 71.8
63 32.2 25.7 38.5





#5
Phenol-d6
Concen: 0.398 ng
RT: 7.009 min Scan# 544
Delta R.T. -0.000 min
Lab File: BN019011.D
Acq: 18 Mar 2022 11:51

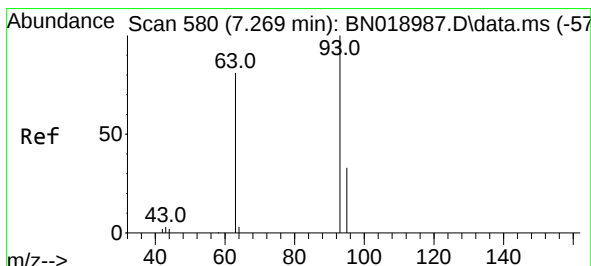
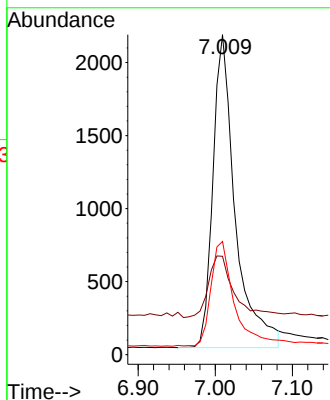
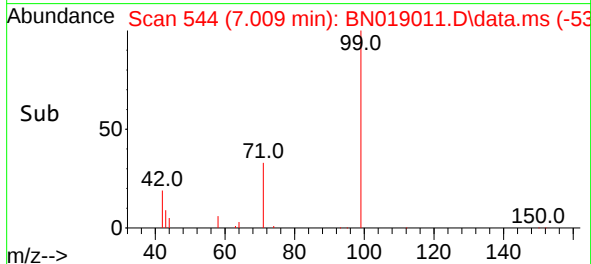
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-03-QT1-2022



Tgt Ion: 99 Resp: 431
Ion Ratio Lower Upper
99 100
42 22.7 16.2 24.4
71 35.0 27.7 41.5

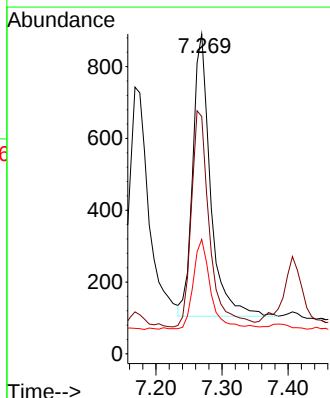
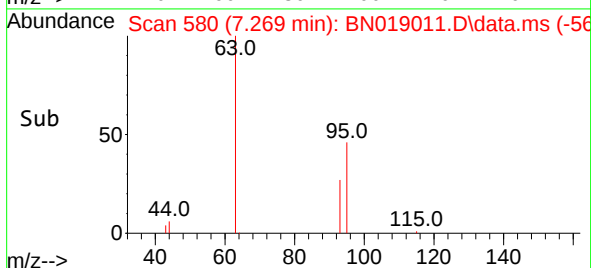
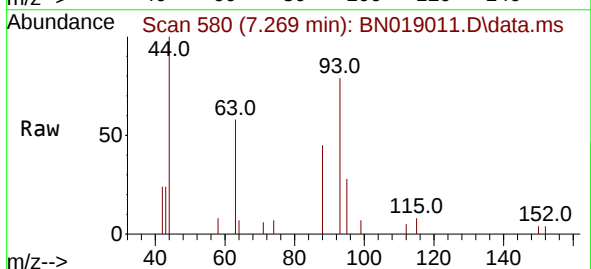
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Supervised By :Jagrut Upadhyay 03/22/2022



#6
bis(2-Chloroethyl)ether
Concen: 0.113 ng
RT: 7.269 min Scan# 580
Delta R.T. -0.000 min
Lab File: BN019011.D
Acq: 18 Mar 2022 11:51

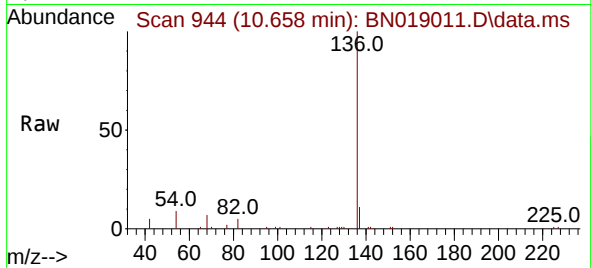
Tgt Ion: 93 Resp: 1464
Ion Ratio Lower Upper
93 100
63 79.1 62.8 94.2
95 31.2 26.2 39.4





#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.658 min Scan# 944
Delta R.T. -0.000 min
Lab File: BN019011.D
Acq: 18 Mar 2022 11:51

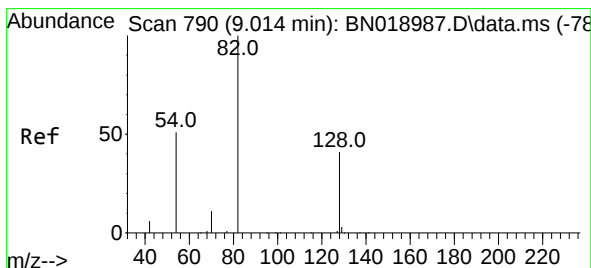
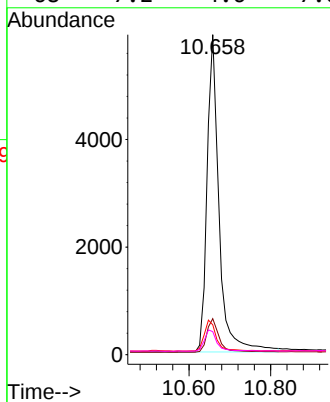
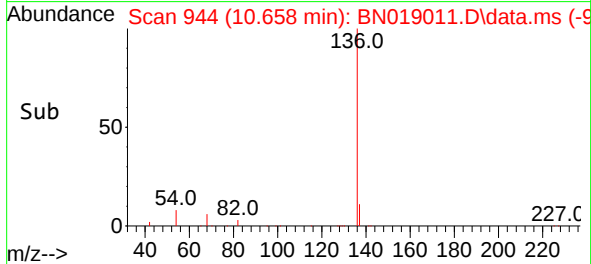
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-03-QT1-2022



Tgt Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.0	13.4
54	9.4	5.8	8.6
68	7.2	4.6	7.0

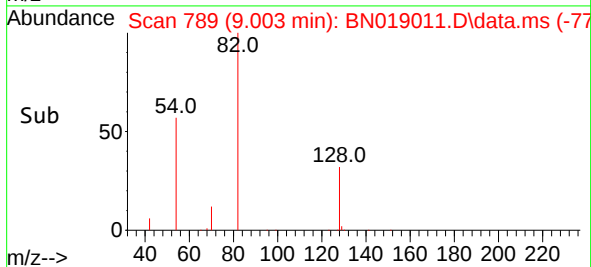
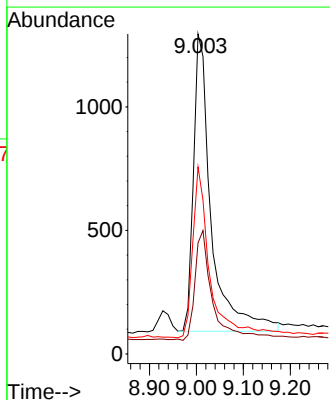
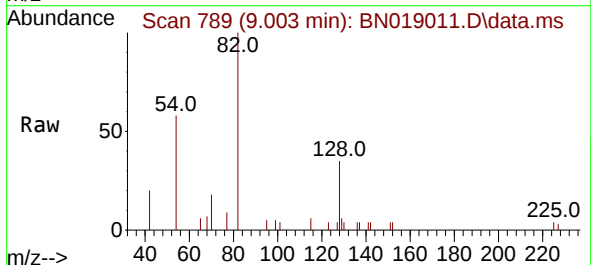
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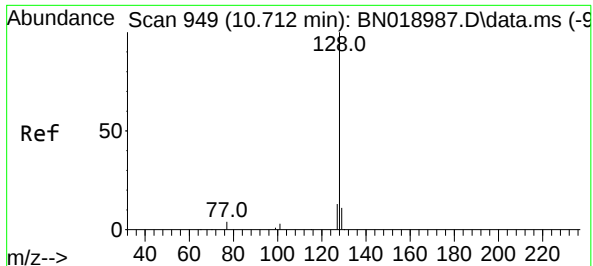
Reviewed By :Christian Giraldo 03/21/2022
Supervised By :Jagrut Upadhyay 03/22/2022



#8
Nitrobenzene-d5
Concen: 0.365 ng
RT: 9.003 min Scan# 789
Delta R.T. -0.011 min
Lab File: BN019011.D
Acq: 18 Mar 2022 11:51

Tgt Ion	Ratio	Lower	Upper
82	100		
128	34.7	33.0	49.6
54	58.5	42.5	63.7





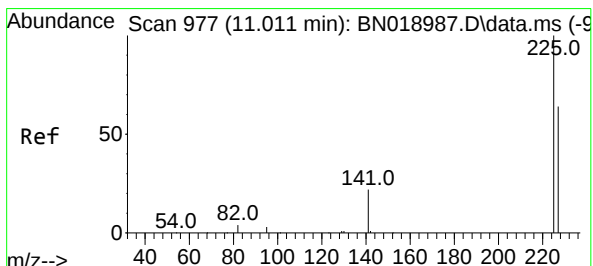
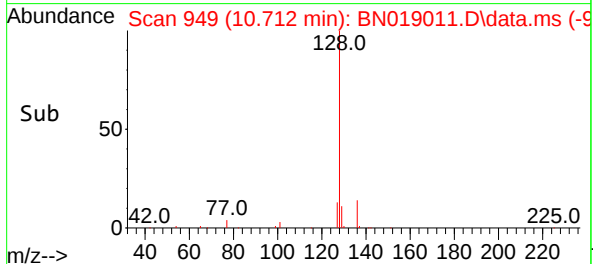
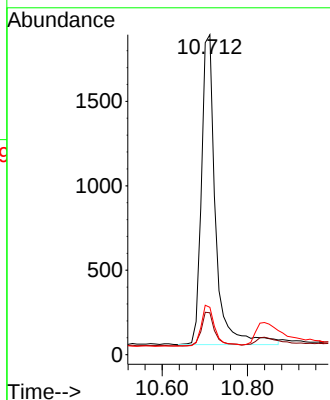
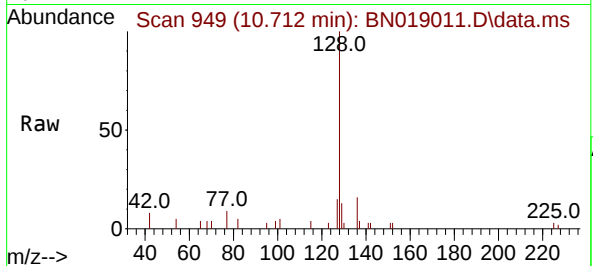
#9
Naphthalene
Concen: 0.122 ng
RT: 10.712 min Scan# 949
Delta R.T. -0.000 min
Lab File: BN019011.D
Acq: 18 Mar 2022 11:51

Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-03-QT1-2022

Tgt Ion:128 Resp: 419
Ion Ratio Lower Upper
128 100
129 13.1 9.0 13.4
127 14.8 10.7 16.1

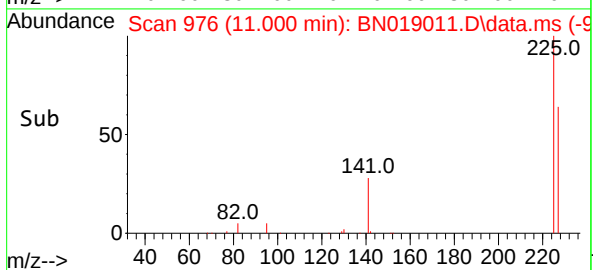
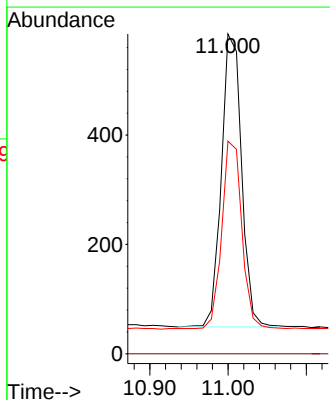
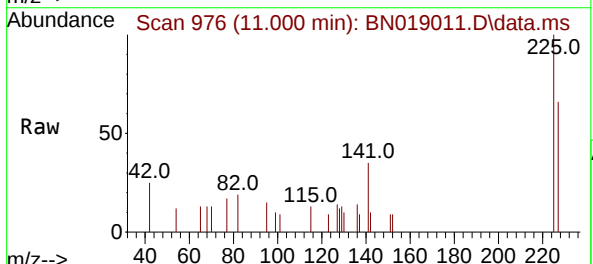
Manual Integrations
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Supervised By :Jagrut Upadhyay 03/22/2022



#10
Hexachlorobutadiene
Concen: 0.114 ng
RT: 11.000 min Scan# 976
Delta R.T. -0.011 min
Lab File: BN019011.D
Acq: 18 Mar 2022 11:51

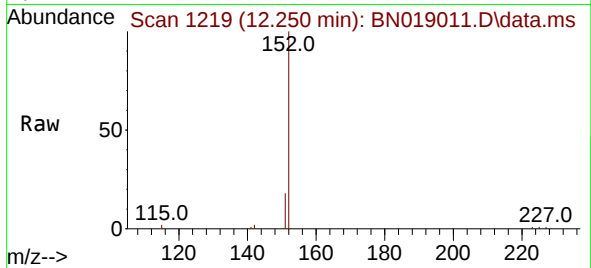
Tgt Ion:225 Resp: 958
Ion Ratio Lower Upper
225 100
223 0.0 0.0 0.0
227 63.4 51.0 76.6





#11
2-Methylnaphthalene-d10
Concen: 0.395 ng
RT: 12.250 min Scan# 1219
Delta R.T. -0.000 min
Lab File: BN019011.D
Acq: 18 Mar 2022 11:51

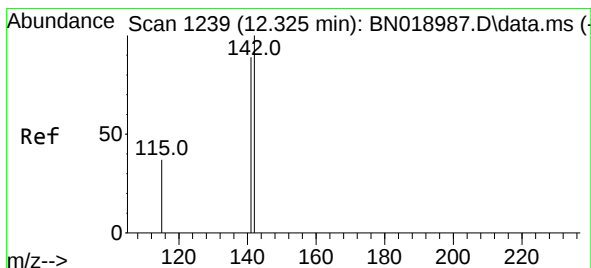
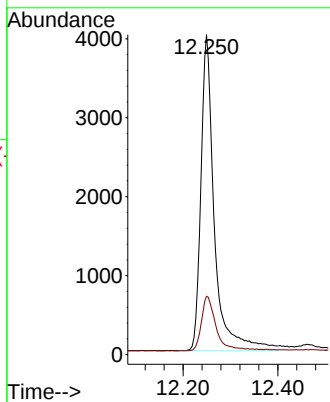
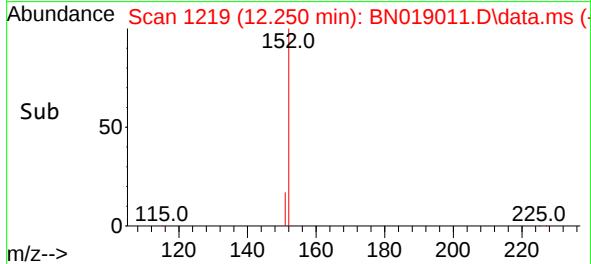
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-03-QT1-2022



Tgt Ion:152 Resp: 789
Ion Ratio Lower Upper
152 100
151 19.1 16.5 24.7

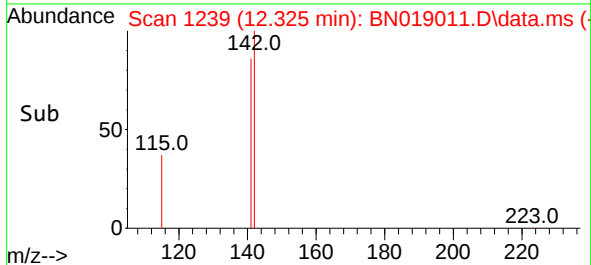
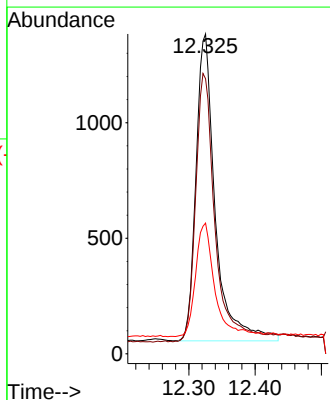
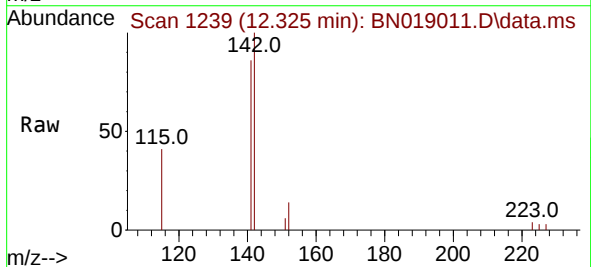
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Supervised By :Jagrut Upadhyay 03/22/2022



#12
2-Methylnaphthalene
Concen: 0.115 ng
RT: 12.325 min Scan# 1239
Delta R.T. -0.000 min
Lab File: BN019011.D
Acq: 18 Mar 2022 11:51

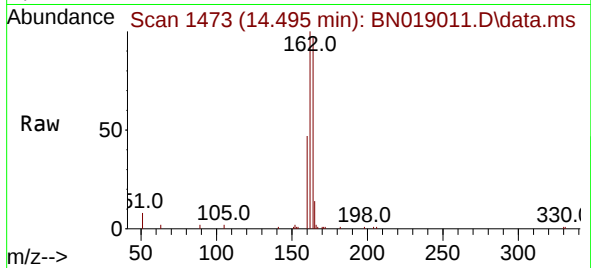
Tgt Ion:142 Resp: 2689
Ion Ratio Lower Upper
142 100
141 86.0 70.0 105.0
115 40.9 29.8 44.8





#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.495 min Scan# 1473
Delta R.T. -0.000 min
Lab File: BN019011.D
Acq: 18 Mar 2022 11:51

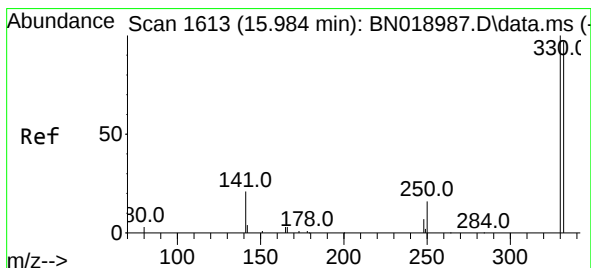
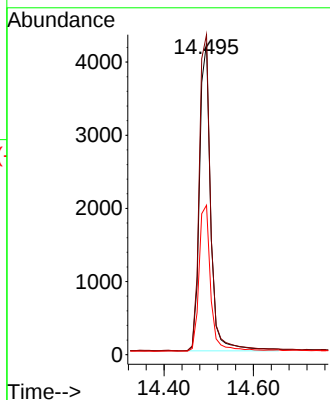
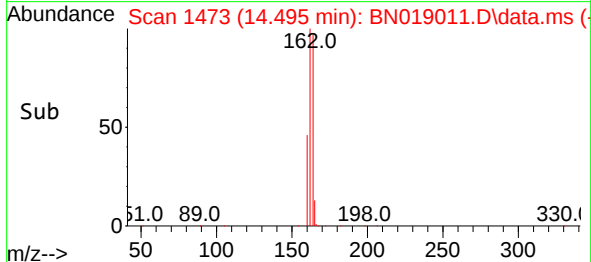
Instrument : BNA_N
ClientSampleId : MDL-SOIL-03-QT1-2022



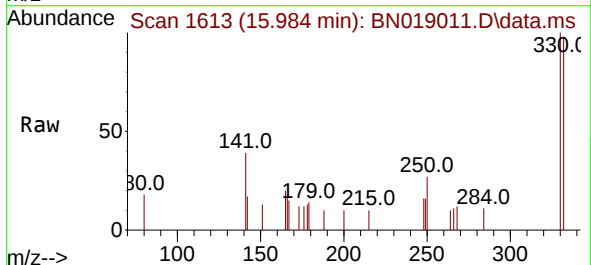
Tgt Ion:164 Resp: 7324
Ion Ratio Lower Upper
164 100
162 102.6 85.2 127.8
160 47.9 41.5 62.3

Manual Integrations
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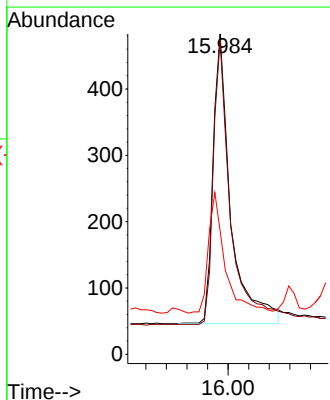
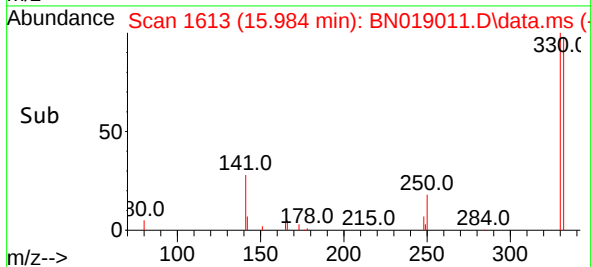
Reviewed By :Christian Giraldo 03/21/2022
Supervised By :Jagrut Upadhyay 03/22/2022

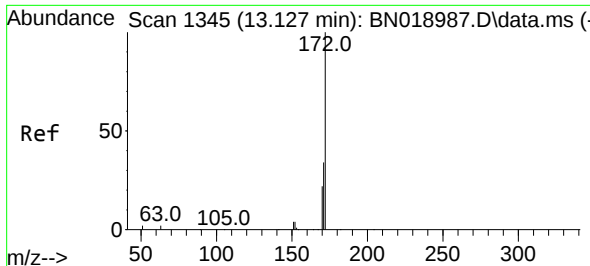


#14
2,4,6-Tribromophenol
Concen: 0.296 ng
RT: 15.984 min Scan# 1613
Delta R.T. -0.000 min
Lab File: BN019011.D
Acq: 18 Mar 2022 11:51



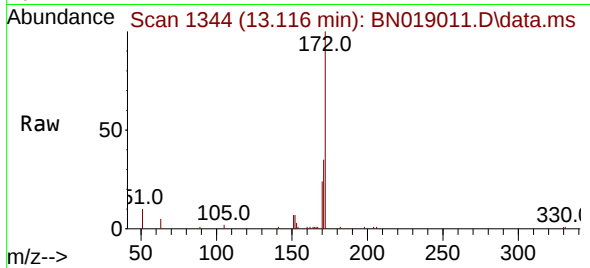
Tgt Ion:330 Resp: 1047
Ion Ratio Lower Upper
330 100
332 95.6 76.8 115.2
141 39.1 32.2 48.2





#15
2-Fluorobiphenyl
Concen: 0.428 ng
RT: 13.116 min Scan# 1344
Delta R.T. -0.011 min
Lab File: BN019011.D
Acq: 18 Mar 2022 11:51

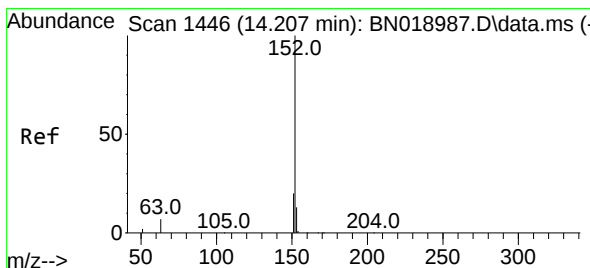
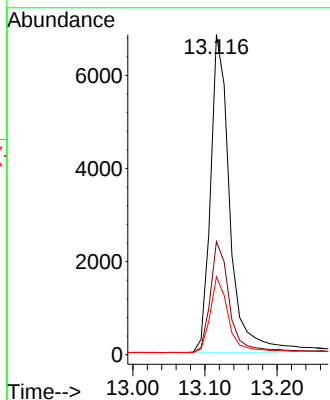
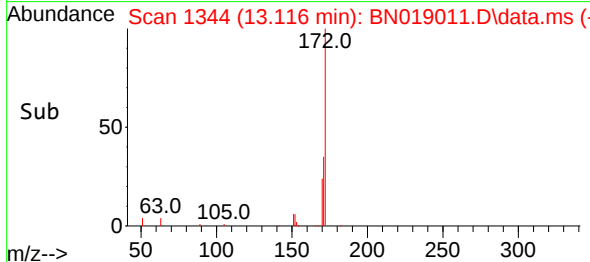
Instrument : BNA_N
ClientSampleId : MDL-SOIL-03-QT1-2022



Tgt Ion:172 Resp: 12570
Ion Ratio Lower Upper
172 100
171 35.3 28.2 42.2
170 24.3 18.7 28.1

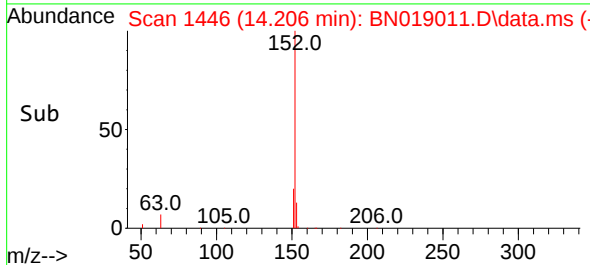
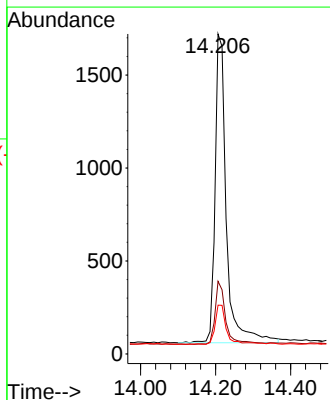
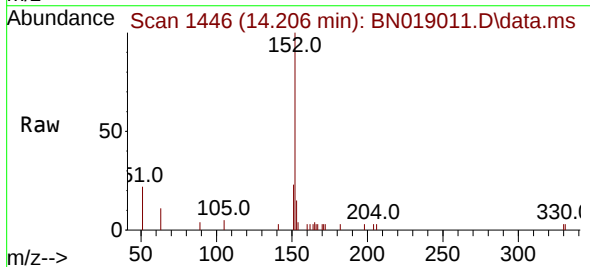
Manual Integrations
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Reviewed By :Christian Giraldo 03/21/2022
Supervised By :Jagrut Upadhyay 03/22/2022



#16
Acenaphthylene
Concen: 0.102 ng
RT: 14.206 min Scan# 1446
Delta R.T. -0.000 min
Lab File: BN019011.D
Acq: 18 Mar 2022 11:51

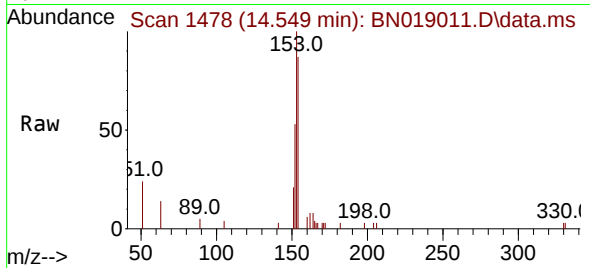
Tgt Ion:152 Resp: 3468
Ion Ratio Lower Upper
152 100
151 19.6 15.9 23.9
153 13.1 10.6 15.8





#17
Acenaphthene
Concen: 0.111 ng
RT: 14.549 min Scan# 1478
Delta R.T. -0.011 min
Lab File: BN019011.D
Acq: 18 Mar 2022 11:51

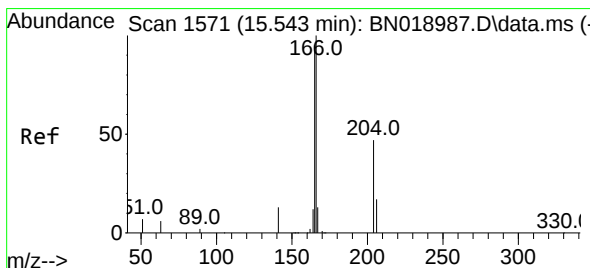
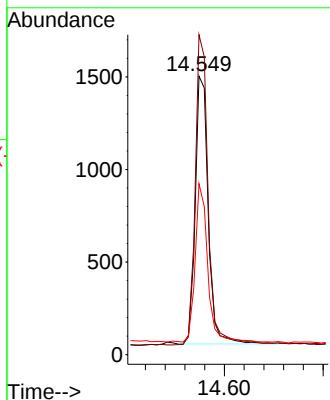
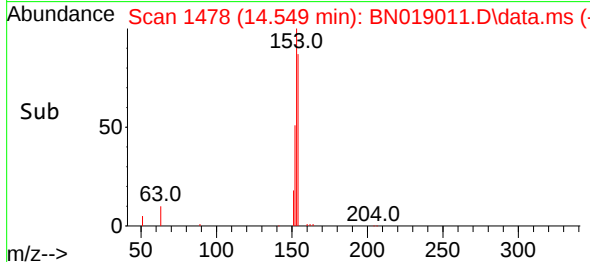
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-03-QT1-2022



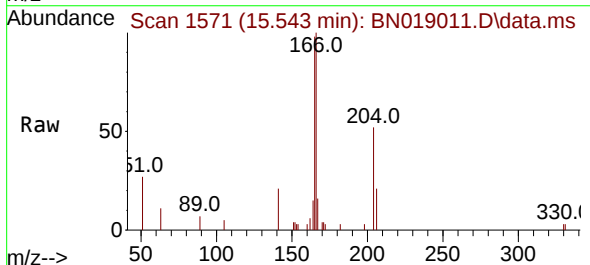
Tgt Ion:154 Resp: 263
Ion Ratio Lower Upper
154 100
153 115.4 89.7 134.5
152 57.6 44.7 67.1

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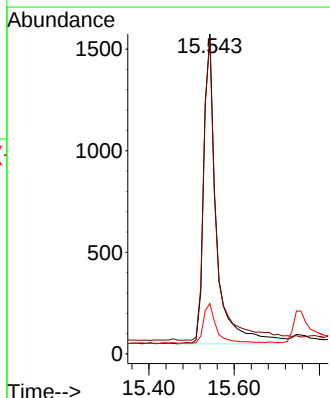
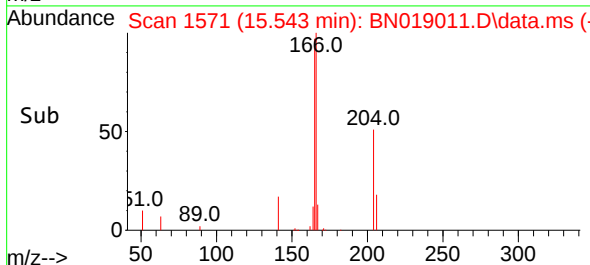
Reviewed By :Christian Giraldo 03/21/2022
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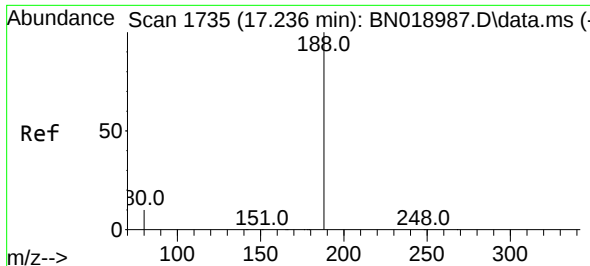


#18
Fluorene
Concen: 0.105 ng
RT: 15.543 min Scan# 1571
Delta R.T. -0.000 min
Lab File: BN019011.D
Acq: 18 Mar 2022 11:51



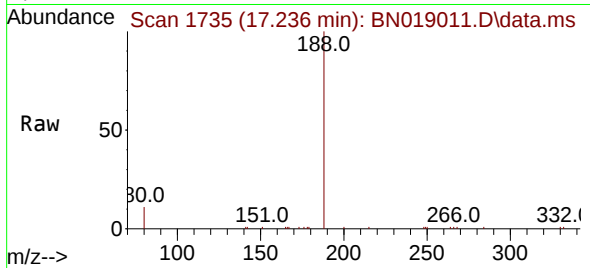
Tgt Ion:166 Resp: 3157
Ion Ratio Lower Upper
166 100
165 95.7 79.2 118.8
167 12.7 10.7 16.1





#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.236 min Scan# 11
Delta R.T. -0.000 min
Lab File: BN019011.D
Acq: 18 Mar 2022 11:51

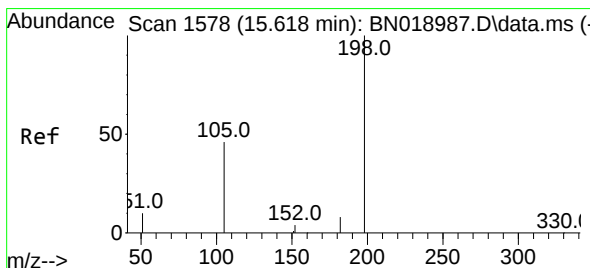
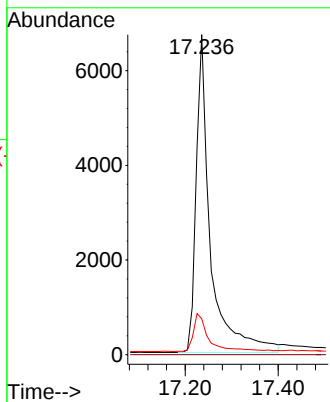
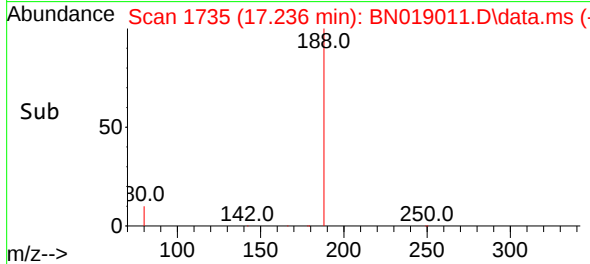
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-03-QT1-2022



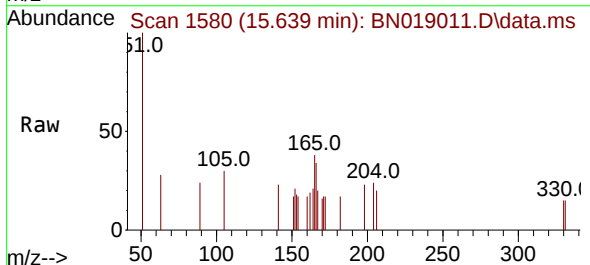
Tgt Ion:188 Resp: 1431
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 11.3 11.8 17.8

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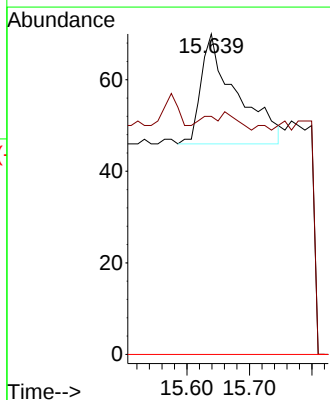
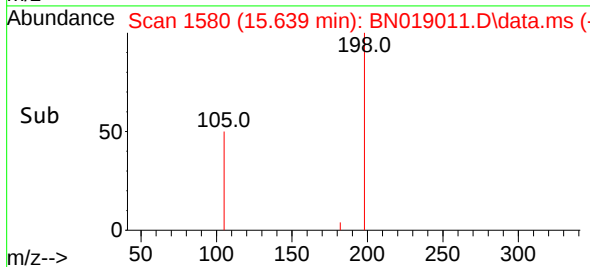
Reviewed By :Christian Giraldo 03/21/2022
Supervised By :Jagrut Upadhyay 03/22/2022



#20
4,6-Dinitro-2-methylphenol
Concen: 0.053 ng
RT: 15.639 min Scan# 1580
Delta R.T. 0.021 min
Lab File: BN019011.D
Acq: 18 Mar 2022 11:51



Tgt Ion:198 Resp: 94
Ion Ratio Lower Upper
198 100
182 74.3 13.0 19.4#
77 0.0 0.0 0.0





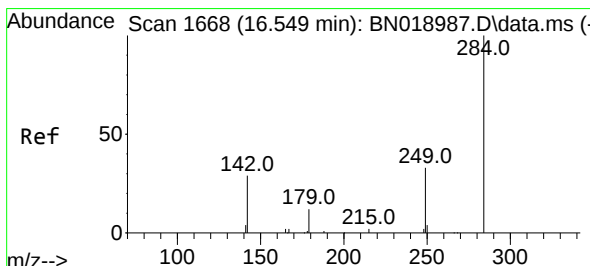
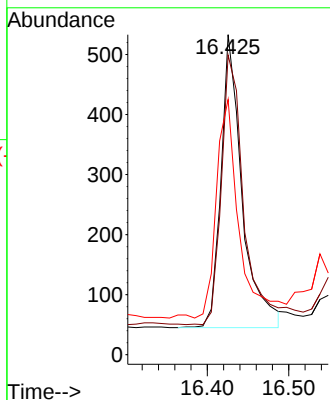
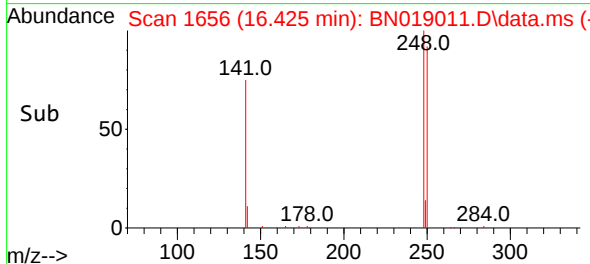
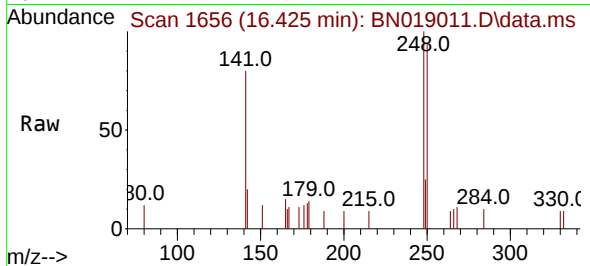
#21
4-Bromophenyl-phenylether
Concen: 0.097 ng
RT: 16.425 min Scan# 1656
Delta R.T. -0.000 min
Lab File: BN019011.D
Acq: 18 Mar 2022 11:51

Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-03-QT1-2022

Tgt Ion:248 Resp: 879
Ion Ratio Lower Upper
248 100
250 93.6 80.7 121.1
141 79.7 39.6 59.4

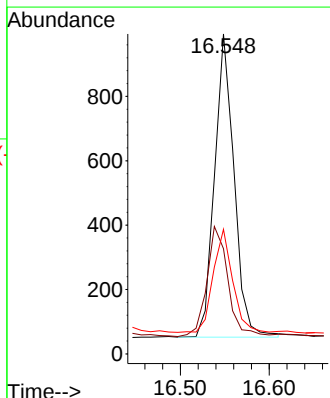
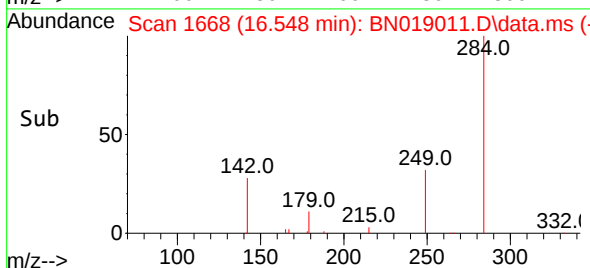
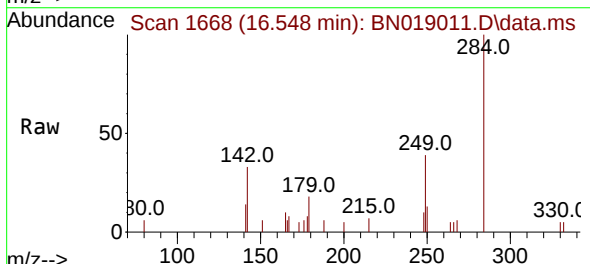
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#22
Hexachlorobenzene
Concen: 0.123 ng
RT: 16.548 min Scan# 1668
Delta R.T. -0.000 min
Lab File: BN019011.D
Acq: 18 Mar 2022 11:51

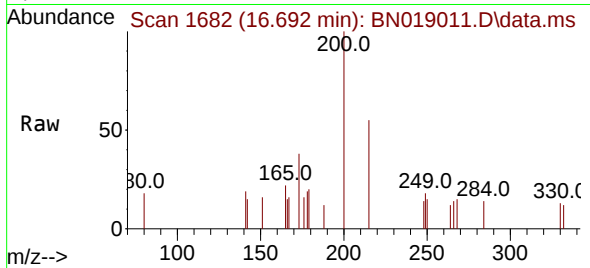
Tgt Ion:284 Resp: 1436
Ion Ratio Lower Upper
284 100
142 39.1 29.8 44.8
249 33.8 26.2 39.2





#23
Atrazine
Concen: 0.096 ng
RT: 16.692 min Scan# 110
Delta R.T. -0.000 min
Lab File: BN019011.D
Acq: 18 Mar 2022 11:51

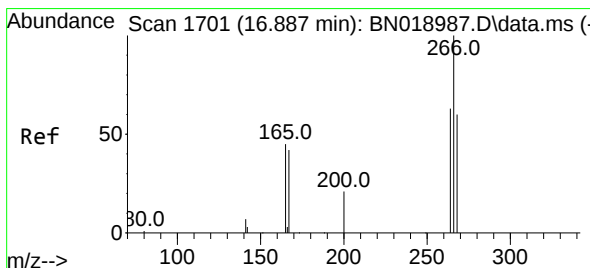
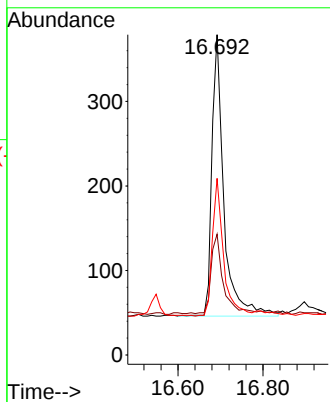
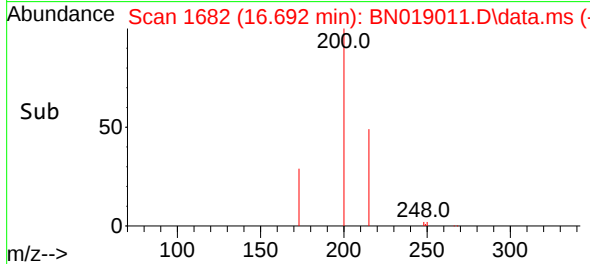
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-03-QT1-2022



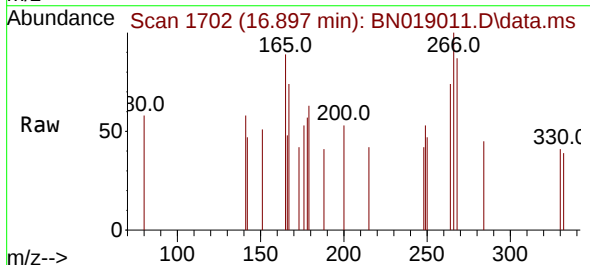
Tgt Ion:200 Resp: 650
Ion Ratio Lower Upper
200 100
173 37.7 23.9 35.9
215 55.1 36.6 54.8

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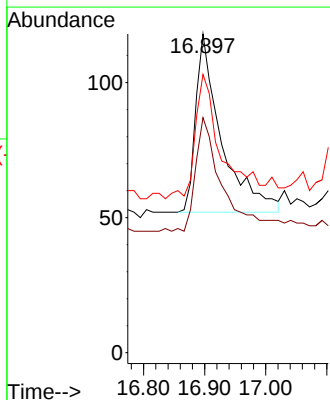
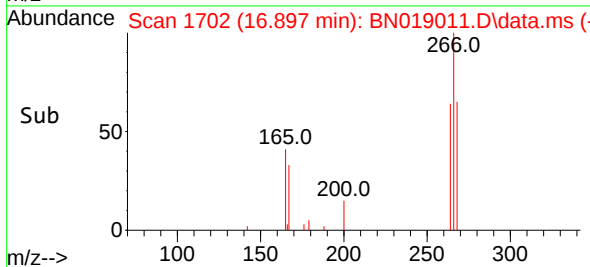
Reviewed By :Christian Giraldo 03/21/2022
Supervised By :Jagrut Upadhyay 03/22/2022

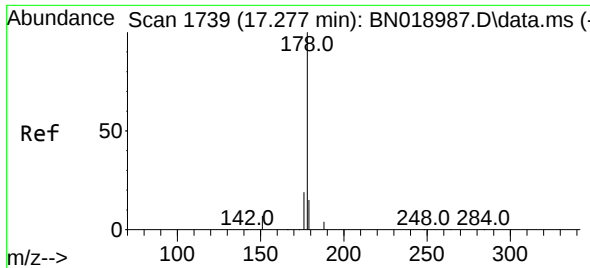


#24
Pentachlorophenol
Concen: 0.054 ng
RT: 16.897 min Scan# 1702
Delta R.T. 0.010 min
Lab File: BN019011.D
Acq: 18 Mar 2022 11:51



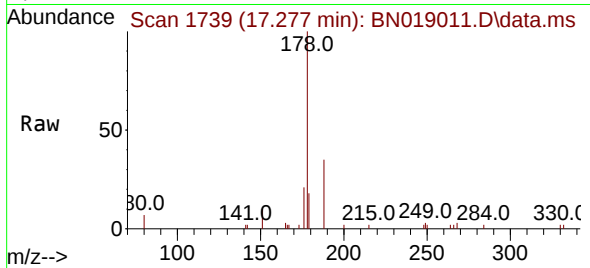
Tgt Ion:266 Resp: 194
Ion Ratio Lower Upper
266 100
264 67.0 50.2 75.4
268 71.1 51.9 77.9





#25
Phenanthrene
Concen: 0.108 ng
RT: 17.277 min Scan# 1739
Delta R.T. -0.000 min
Lab File: BN019011.D
Acq: 18 Mar 2022 11:51

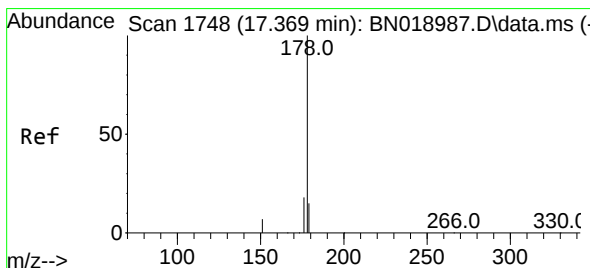
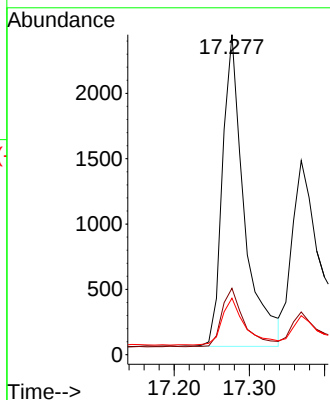
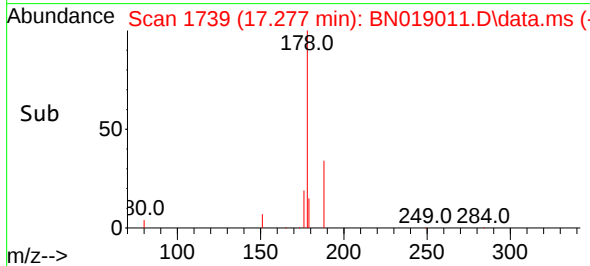
Instrument : BNA_N
ClientSampleId : MDL-SOIL-03-QT1-2022



Tgt Ion:178 Resp: 4814
Ion Ratio Lower Upper
178 100
176 19.3 15.4 23.0
179 15.9 12.2 18.2

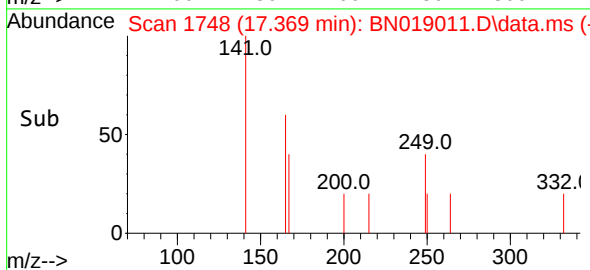
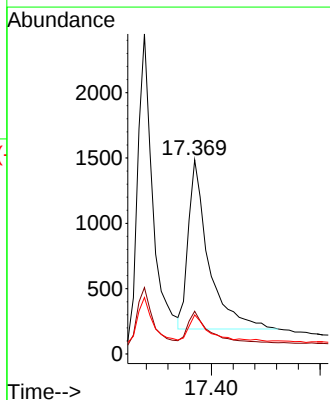
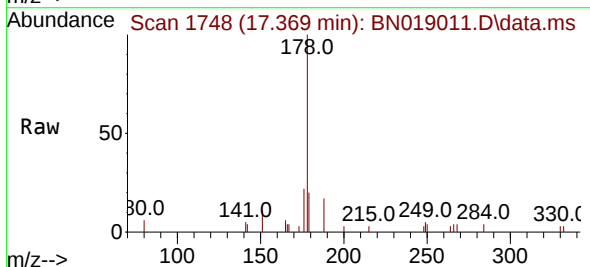
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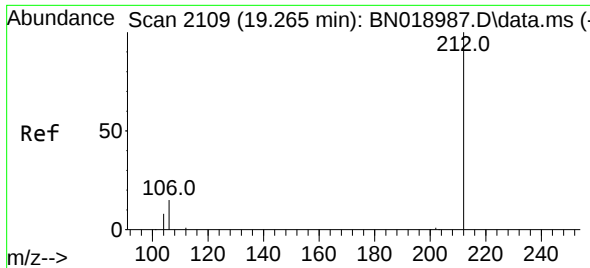
Reviewed By :Christian Giraldo 03/21/2022
Supervised By :Jagrut Upadhyay 03/22/2022



#26
Anthracene
Concen: 0.089 ng
RT: 17.369 min Scan# 1748
Delta R.T. -0.000 min
Lab File: BN019011.D
Acq: 18 Mar 2022 11:51

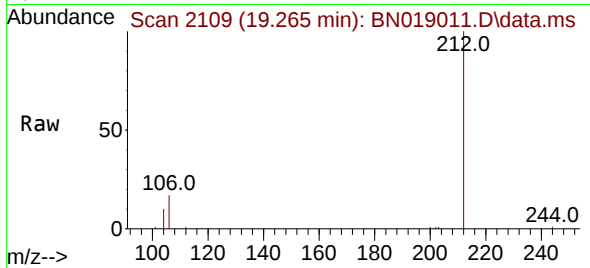
Tgt Ion:178 Resp: 3373
Ion Ratio Lower Upper
178 100
176 18.6 14.8 22.2
179 14.9 12.2 18.4





#27
Fluoranthene-d10
Concen: 0.384 ng
RT: 19.265 min Scan# 2109
Delta R.T. -0.000 min
Lab File: BN019011.D
Acq: 18 Mar 2022 11:51

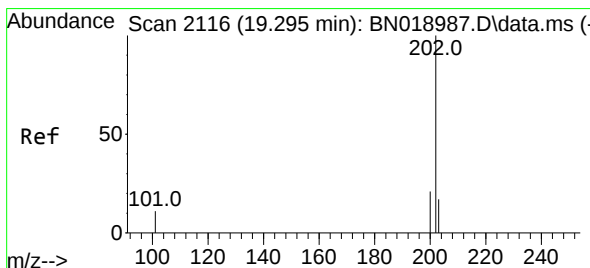
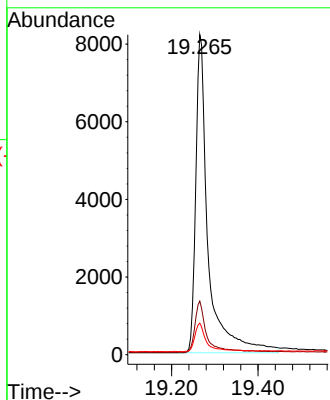
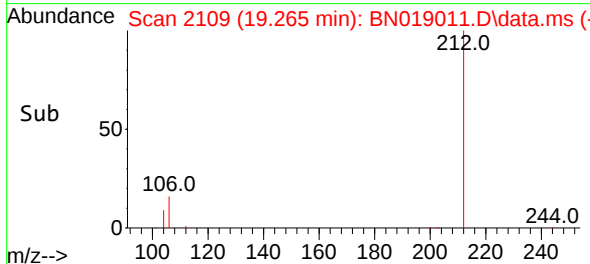
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-03-QT1-2022



Tgt Ion:212 Resp: 16300
Ion Ratio Lower Upper
212 100
106 15.2 12.7 19.1
104 8.6 7.1 10.7

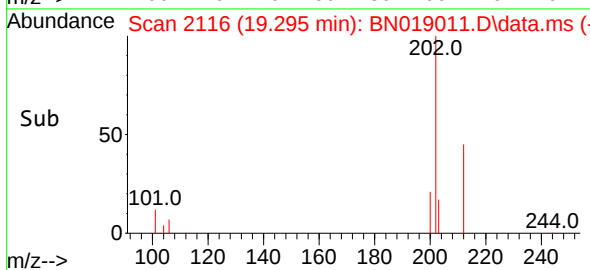
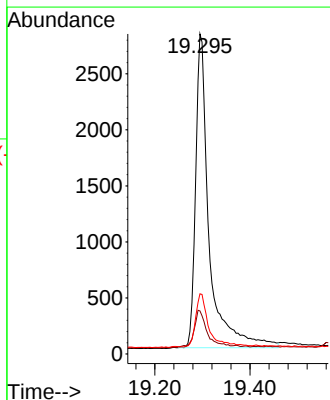
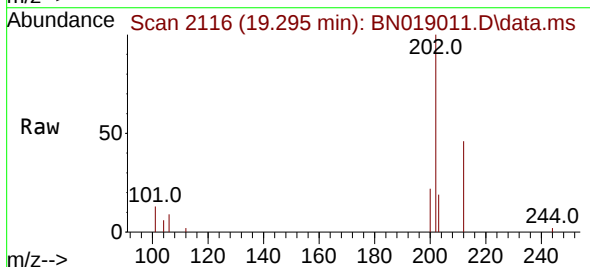
Manual Integrations
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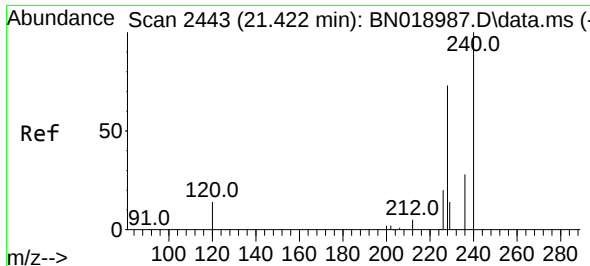
Reviewed By :Christian Giraldo 03/21/2022
Supervised By :Jagrut Upadhyay 03/22/2022



#28
Fluoranthene
Concen: 0.106 ng
RT: 19.295 min Scan# 2116
Delta R.T. -0.000 min
Lab File: BN019011.D
Acq: 18 Mar 2022 11:51

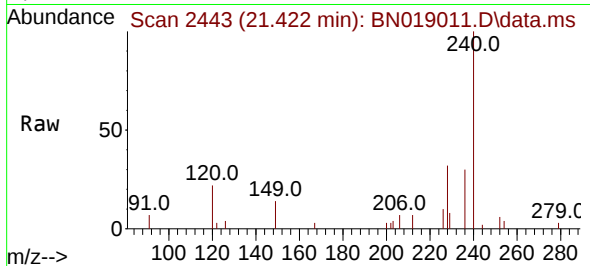
Tgt Ion:202 Resp: 5544
Ion Ratio Lower Upper
202 100
101 12.0 9.8 14.6
203 16.5 13.7 20.5





#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.422 min Scan# 2443
Delta R.T. -0.000 min
Lab File: BN019011.D
Acq: 18 Mar 2022 11:51

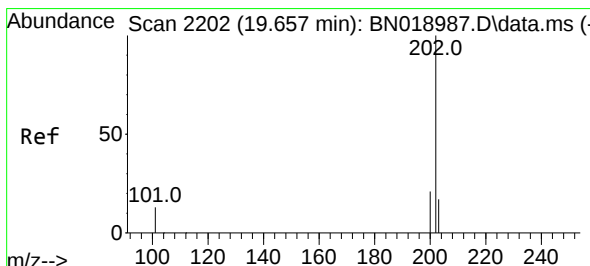
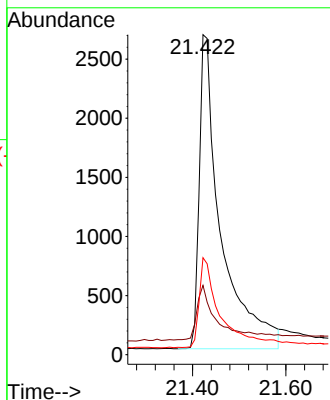
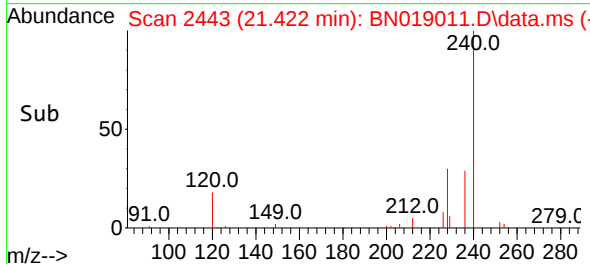
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-03-QT1-2022



Tgt Ion:240 Resp: 857
Ion Ratio Lower Upper
240 100
120 21.6 8.5 12.7
236 30.3 22.4 33.6

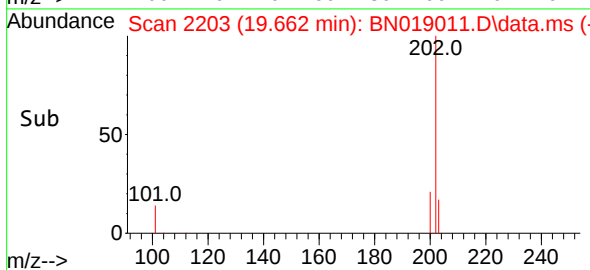
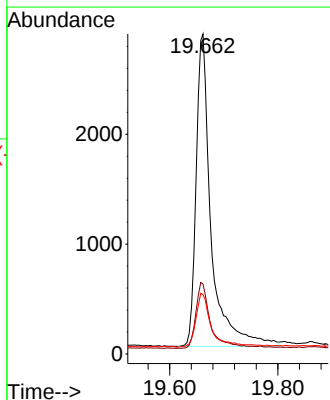
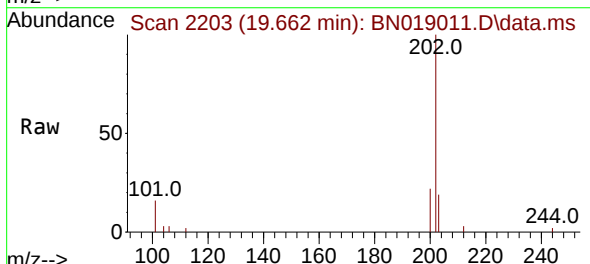
Manual Integrations
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#30
Pyrene
Concen: 0.129 ng
RT: 19.662 min Scan# 2203
Delta R.T. 0.004 min
Lab File: BN019011.D
Acq: 18 Mar 2022 11:51

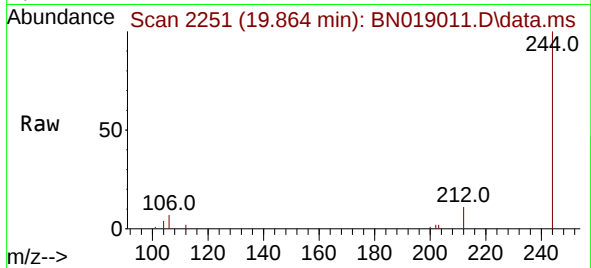
Tgt Ion:202 Resp: 5489
Ion Ratio Lower Upper
202 100
200 20.6 16.9 25.3
203 17.3 14.2 21.2





#31
 Terphenyl-d14
 Concen: 0.477 ng
 RT: 19.864 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: BN019011.D
 Acq: 18 Mar 2022 11:51

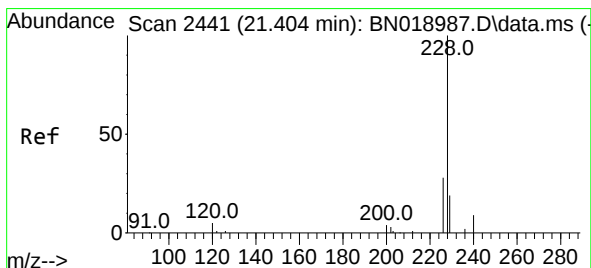
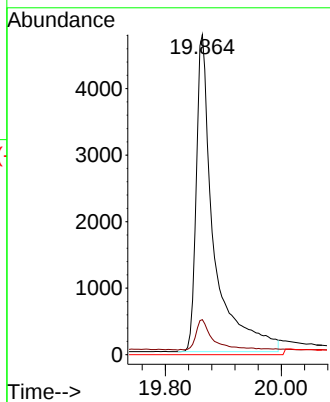
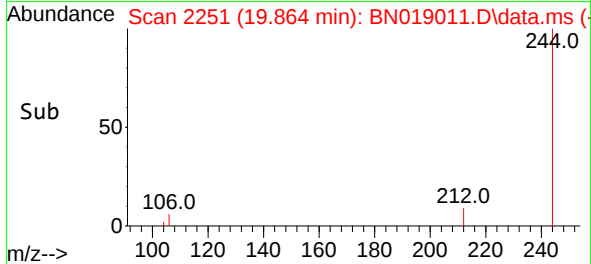
Instrument :
 BNA_N
 ClientSampleId :
 MDL-SOIL-03-QT1-2022



Tgt Ion:244 Resp: 1004
 Ion Ratio Lower Upper
 244 100
 212 11.0 8.2 12.4
 122 0.0 0.0 0.0

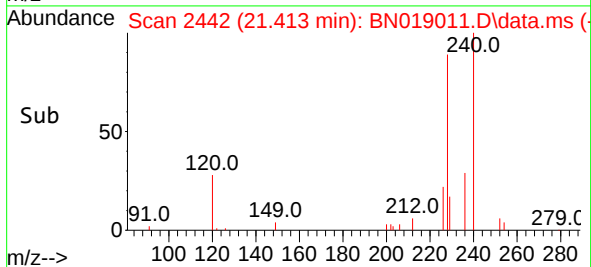
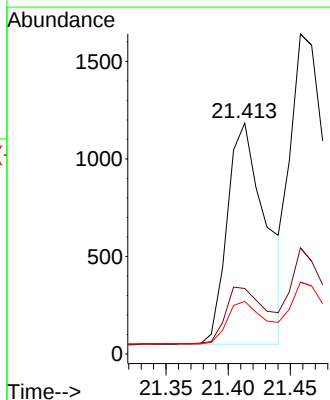
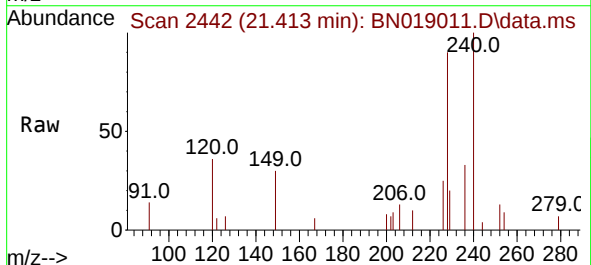
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 Supervised By :Jagrut Upadhyay 03/22/2022



#32
 Benzo(a)anthracene
 Concen: 0.092 ng
 RT: 21.413 min Scan# 2442
 Delta R.T. 0.009 min
 Lab File: BN019011.D
 Acq: 18 Mar 2022 11:51

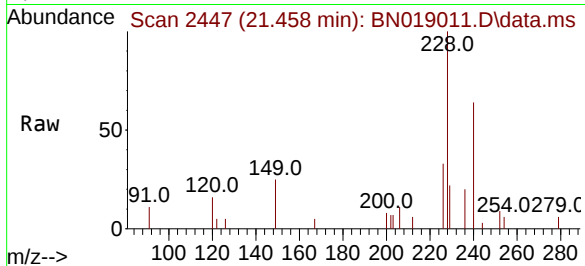
Tgt Ion:228 Resp: 2437
 Ion Ratio Lower Upper
 228 100
 226 28.4 21.9 32.9
 229 22.7 16.0 24.0





#33
Chrysene
Concen: 0.111 ng
RT: 21.458 min Scan# 2447
Delta R.T. -0.000 min
Lab File: BN019011.D
Acq: 18 Mar 2022 11:51

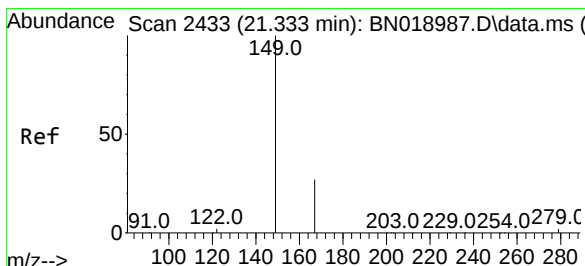
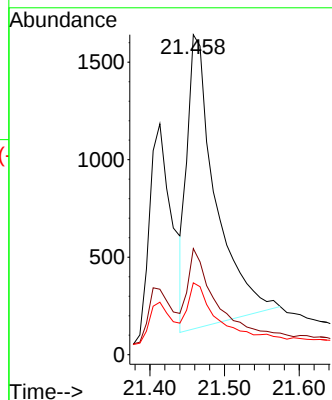
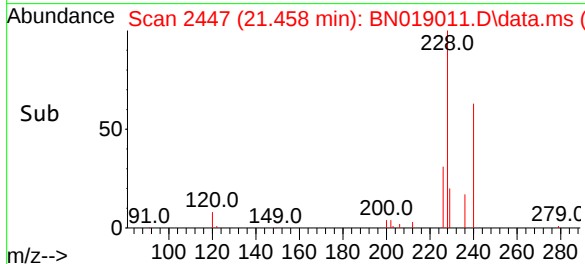
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-03-QT1-2022



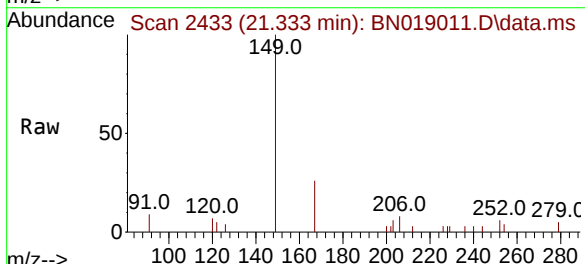
Tgt Ion: 228 Resp: 396
Ion Ratio Lower Upper
228 100
226 33.2 24.0 36.0
229 22.5 15.9 23.9

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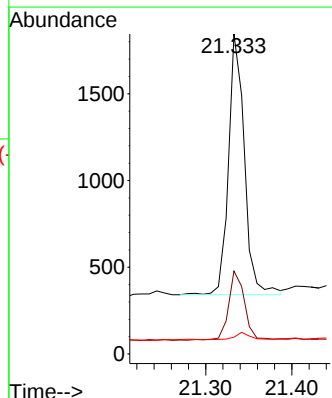
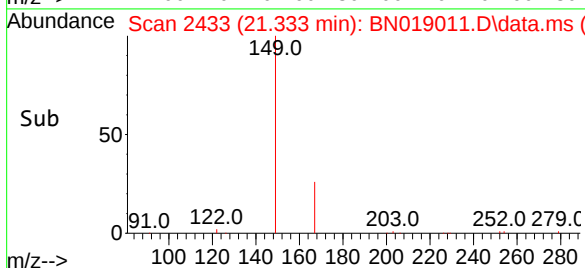
Reviewed By : Christian Giraldo 03/21/2022
Supervised By : Jagrut Upadhyay 03/22/2022

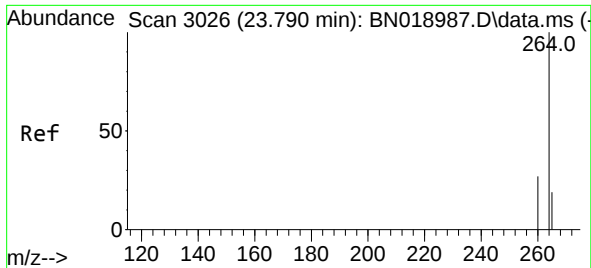


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.110 ng
RT: 21.333 min Scan# 2433
Delta R.T. -0.000 min
Lab File: BN019011.D
Acq: 18 Mar 2022 11:51



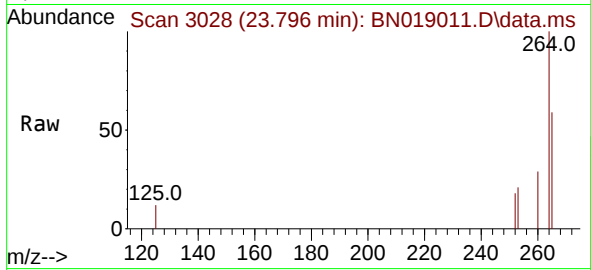
Tgt Ion: 149 Resp: 1924
Ion Ratio Lower Upper
149 100
167 27.2 21.8 32.8
279 2.8 2.0 3.0





#35
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.796 min Scan# 3026
 Delta R.T. 0.006 min
 Lab File: BN019011.D
 Acq: 18 Mar 2022 11:51

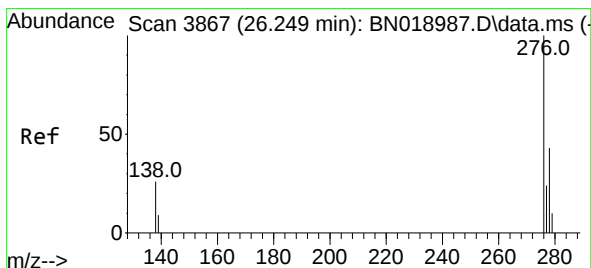
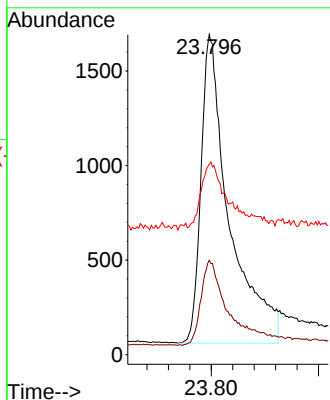
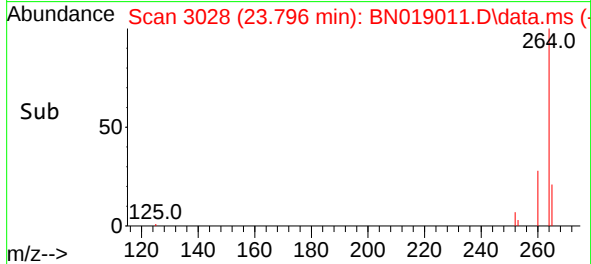
Instrument :
 BNA_N
 ClientSampleId :
 MDL-SOIL-03-QT1-2022



Tgt Ion:264 Resp: 595
 Ion Ratio Lower Upper
 264 100
 260 29.5 22.4 33.6
 265 59.4 25.3 37.9

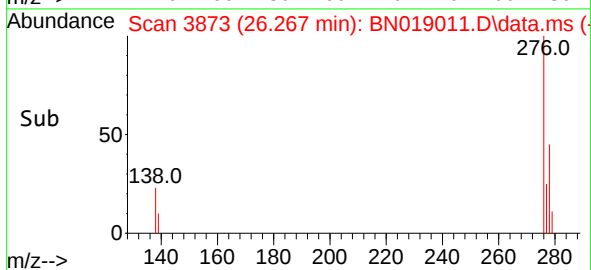
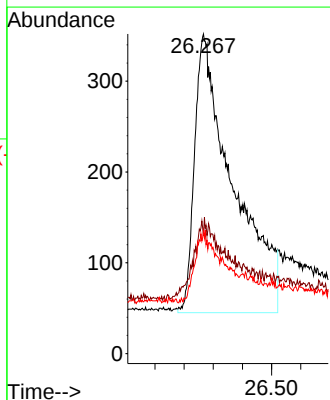
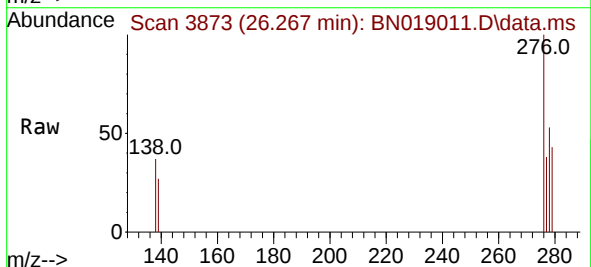
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Reviewed By :Christian Giraldo 03/21/2022
 Supervised By :Jagrut Upadhyay 03/22/2022



#36
 Indeno(1,2,3-cd)pyrene
 Concen: 0.130 ng m
 RT: 26.267 min Scan# 3873
 Delta R.T. 0.017 min
 Lab File: BN019011.D
 Acq: 18 Mar 2022 11:51

Tgt Ion:276 Resp: 2791
 Ion Ratio Lower Upper
 276 100
 138 6.7 24.5 36.7#
 277 4.8 19.8 29.8#





#37

Benzo(b)fluoranthene

Concen: 0.107 ng

RT: 23.077 min Scan# 21

Delta R.T. 0.003 min

Lab File: BN019011.D

Acq: 18 Mar 2022 11:51

Instrument :

BN019011.D

ClientSampleId :

MDL-SOIL-03-QT1-2022

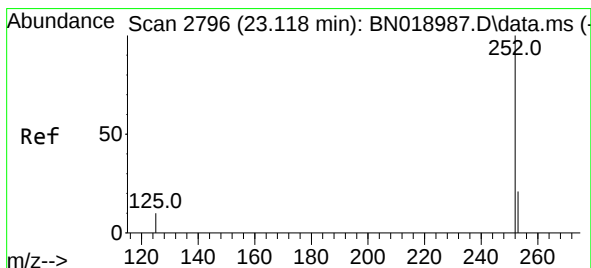
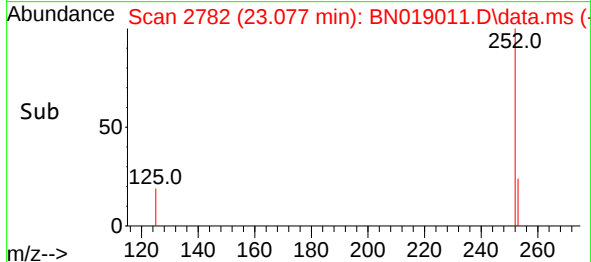
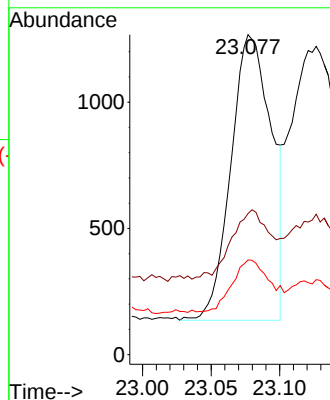
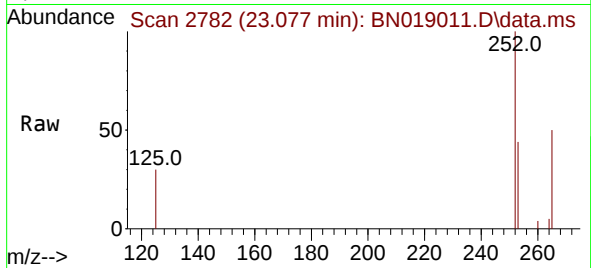
Tgt Ion:	252	Resp:	233
Ion Ratio	Lower	Upper	
252	100		
253	44.1	18.9	28.3
125	29.6	12.1	18.1

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Supervised By :Jagrut Upadhyay 03/22/2022



#38

Benzo(k)fluoranthene

Concen: 0.108 ng m

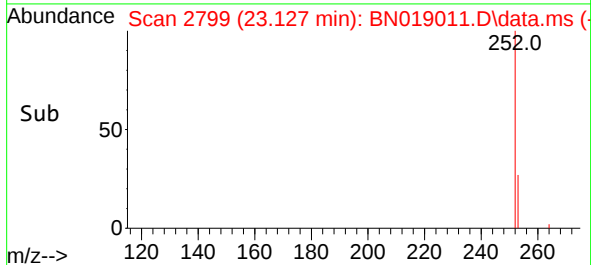
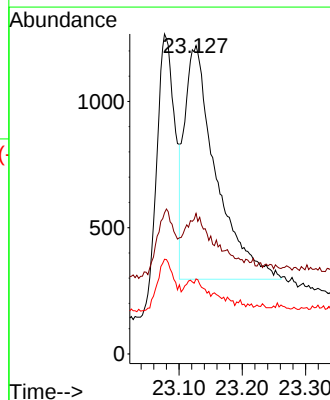
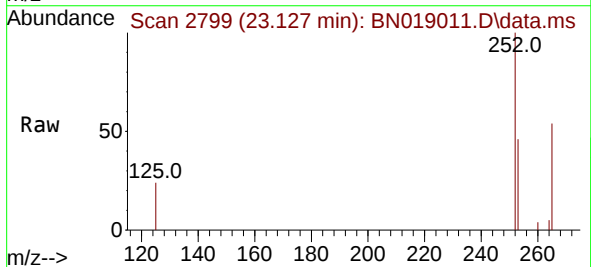
RT: 23.127 min Scan# 2799

Delta R.T. 0.009 min

Lab File: BN019011.D

Acq: 18 Mar 2022 11:51

Tgt Ion:	252	Resp:	3207
Ion Ratio	Lower	Upper	
252	100		
253	45.5	18.9	28.3
125	24.3	10.3	15.5





#39

Benzo(a)pyrene

Concen: 0.121 ng m

RT: 23.697 min Scan# 2992

Delta R.T. 0.006 min

Lab File: BN019011.D

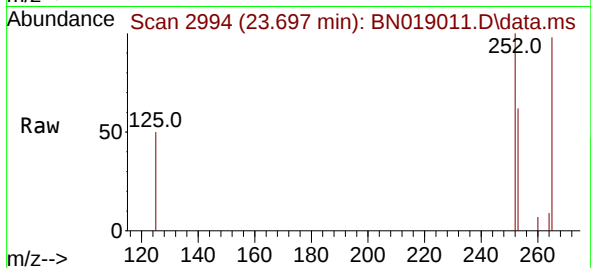
Acq: 18 Mar 2022 11:51

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-03-QT1-2022



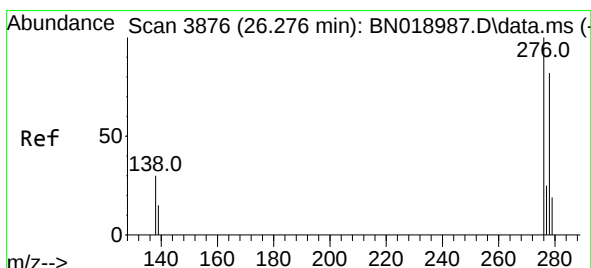
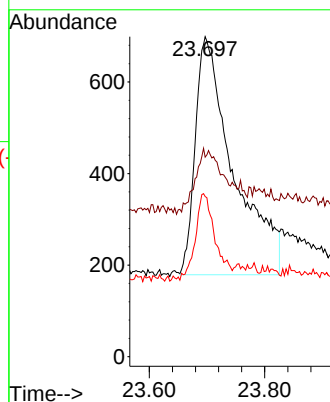
Tgt Ion	Ratio	Lower	Upper
252	100		
253	62.4	20.1	30.1
125	50.1	15.2	22.8

Manual Integrations

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Supervised By :Jagrut Upadhyay 03/22/2022



#40

Dibenzo(a,h)anthracene

Concen: 0.117 ng m

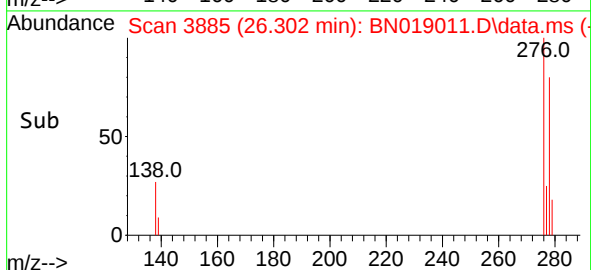
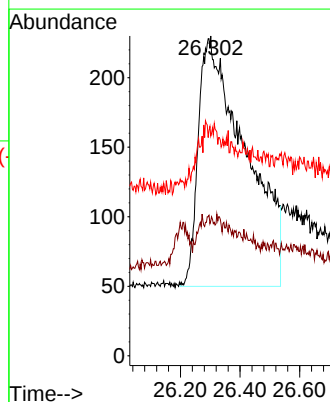
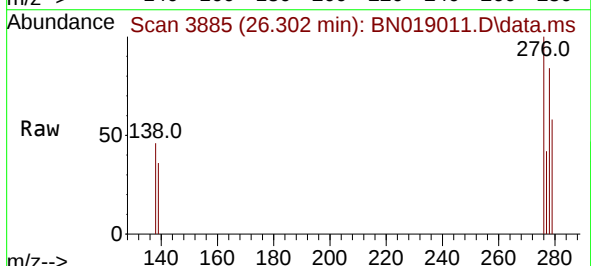
RT: 26.302 min Scan# 3885

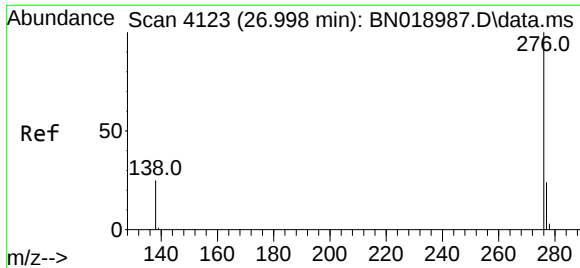
Delta R.T. 0.026 min

Lab File: BN019011.D

Acq: 18 Mar 2022 11:51

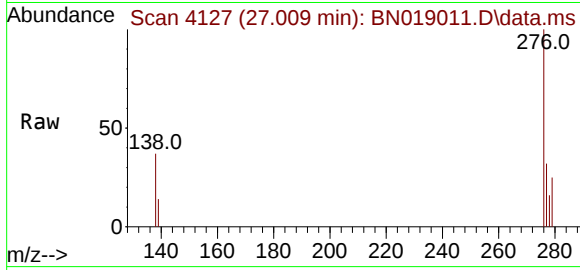
Tgt Ion	Ratio	Lower	Upper
278	100		
139	42.2	17.2	25.8
279	68.7	19.9	29.9





#41
Benzo(g,h,i)perylene
Concen: 0.119 ng m
RT: 27.009 min Scan# 41
Delta R.T. 0.012 min
Lab File: BN019011.D
Acq: 18 Mar 2022 11:51

Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-03-QT1-2022



Tgt Ion:276 Resp: 2509
Ion Ratio Lower Upper
276 100
277 32.5 19.4 29.0
138 36.9 21.0 31.6

Manual Integrations
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Reviewed By :Christian Giraldo 03/21/2022
Supervised By :Jagrut Upadhyay 03/22/2022

