

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN013124\
 Data File : BN029452.D
 Acq On : 31 Jan 2024 16:58
 Operator : MA/JU
 Sample : 03572-03
 Misc : MDL-MDL-SOIL-0.1NG
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 MDL-SOIL-03-QT3-2023

Quant Time: Feb 01 01:40:18 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN012924.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jan 30 03:38:24 2024
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 02/01/2024
 Supervised By :Sohil Jodhani 02/02/2024

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.891	152	3469	0.400	ng	-0.01
7) Naphthalene-d8	10.690	136	9299	0.400	ng	-0.01
13) Acenaphthene-d10	14.532	164	4146	0.400	ng	-0.01
19) Phenanthrene-d10	17.280	188	7979	0.400	ng	#-0.01
29) Chrysene-d12	21.492	240	5861	0.400	ng	# 0.00
35) Perylene-d12	23.876	264	6088	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.457	112	3107	0.373	ng	-0.01
5) Phenol-d6	7.053	99	3874	0.403	ng	-0.01
8) Nitrobenzene-d5	9.057	82	3002	0.388	ng	-0.01
11) 2-Methylnaphthalene-d10	12.284	152	6723	0.531	ng	0.00
14) 2,4,6-Tribromophenol	16.027	330	433	0.326	ng	-0.01
15) 2-Fluorobiphenyl	13.164	172	6301	0.354	ng	-0.01
27) Fluoranthene-d10	19.322	212	11447	0.592	ng	0.00
31) Terphenyl-d14	19.931	244	4782	0.329	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.377	88	833	0.171	ng	99
3) n-Nitrosodimethylamine	3.716	42	444	0.112	ng	# 93
6) bis(2-Chloroethyl)ether	7.327	93	1101	0.120	ng	97
9) Naphthalene	10.744	128	2861	0.108	ng	95
10) Hexachlorobutadiene	11.021	225	487	0.097	ng	# 100
12) 2-Methylnaphthalene	12.359	142	1571	0.101	ng	95
16) Acenaphthylene	14.255	152	1997	0.101	ng	99
17) Acenaphthene	14.597	154	1289	0.098	ng	98
18) Fluorene	15.580	166	1599	0.096	ng	99
20) 4,6-Dinitro-2-methylph...	15.679	198	78	0.067	ng	# 12
21) 4-Bromophenyl-phenylether	16.486	248	453	0.095	ng	# 86
22) Hexachlorobenzene	16.585	284	550	0.094	ng	97
23) Atrazine	16.759	200	345	0.102	ng	# 87
24) Pentachlorophenol	16.933	266	121	0.066	ng	97
25) Phenanthrene	17.330	178	2432	0.103	ng	99
26) Anthracene	17.417	178	1930	0.096	ng	100
28) Fluoranthene	19.355	202	2477	0.093	ng	99
30) Pyrene	19.717	202	2487	0.092	ng	99
32) Benzo(a)anthracene	21.474	228	1804	0.090	ng	97
33) Chrysene	21.528	228	2073	0.091	ng	95
34) Bis(2-ethylhexyl)phtha...	21.420	149	1447	0.106	ng	98
36) Indeno(1,2,3-cd)pyrene	26.335	276	2168m	0.089	ng	
37) Benzo(b)fluoranthene	23.151	252	1821	0.084	ng	# 69
38) Benzo(k)fluoranthene	23.204	252	1819	0.080	ng	# 53
39) Benzo(a)pyrene	23.771	252	1628	0.086	ng	# 56
40) Dibenzo(a,h)anthracene	26.373	278	1673m	0.086	ng	
41) Benzo(g,h,i)perylene	27.086	276	1967	0.083	ng	# 84

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

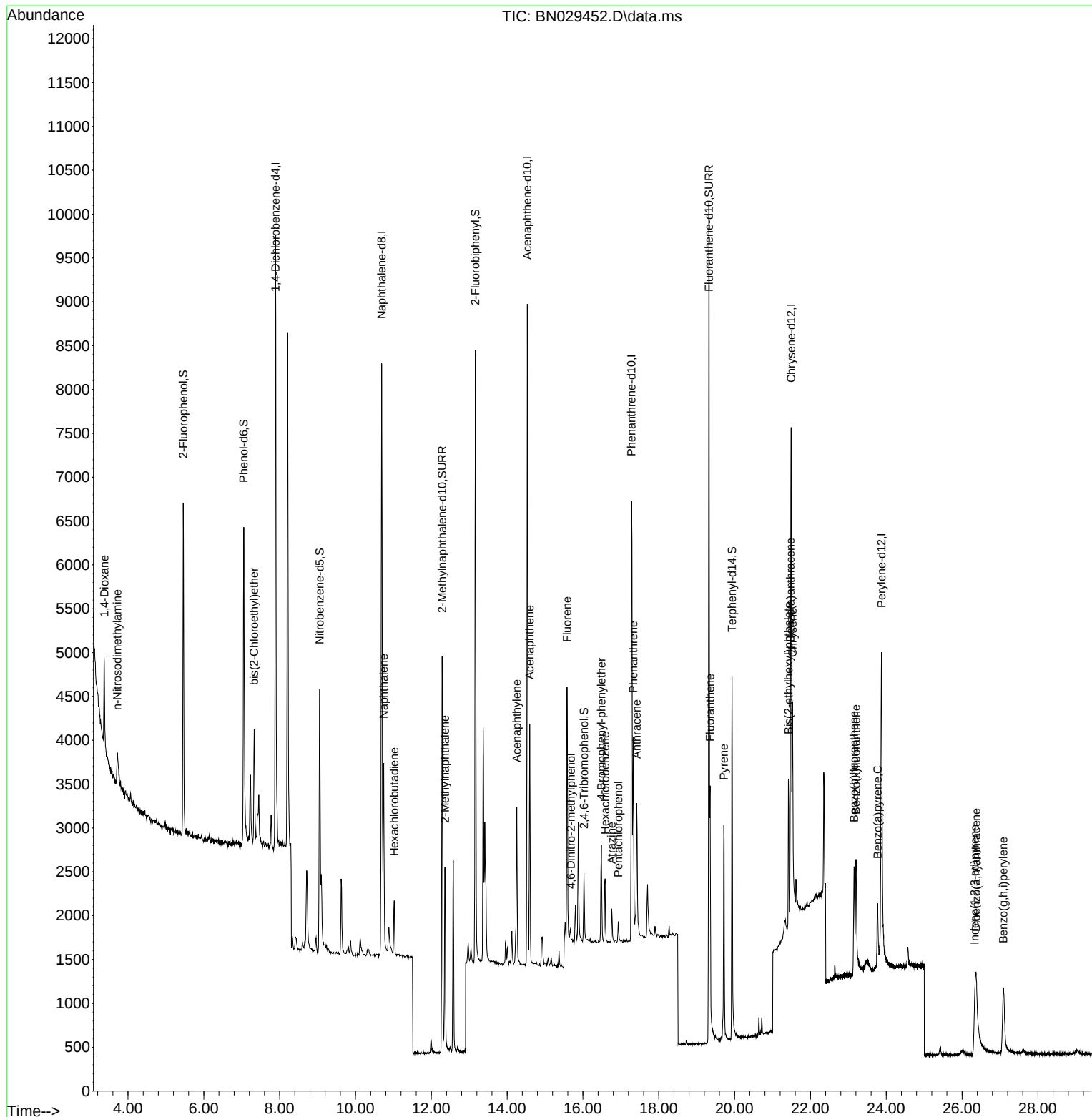
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN013124\
Data File : BN029452.D
Acq On : 31 Jan 2024 16:58
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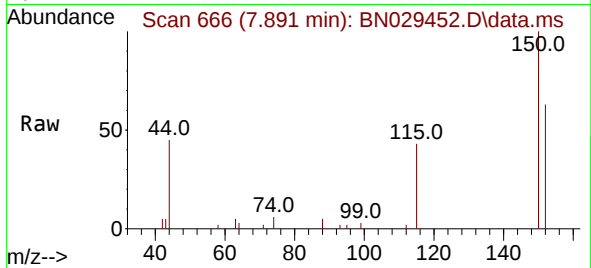
Reviewed By :Jagrut Upadhyay 02/01/2024
Supervised By :Sohil Jodhani 02/02/2024





#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.891 min Scan# 668
Delta R.T. -0.014 min
Lab File: BN029452.D
Acq: 31 Jan 2024 16:58

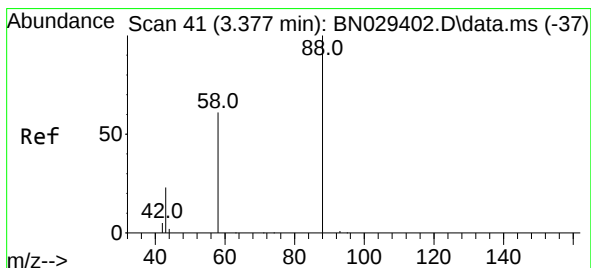
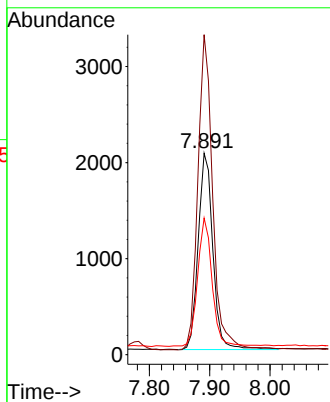
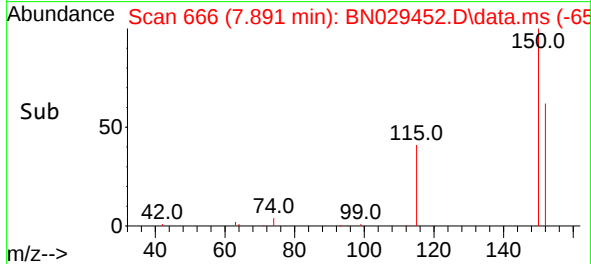
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-03-QT3-2023



Tgt Ion:152 Resp: 3469
Ion Ratio Lower Upper
152 100
150 158.8 123.0 184.4
115 67.8 51.4 77.0

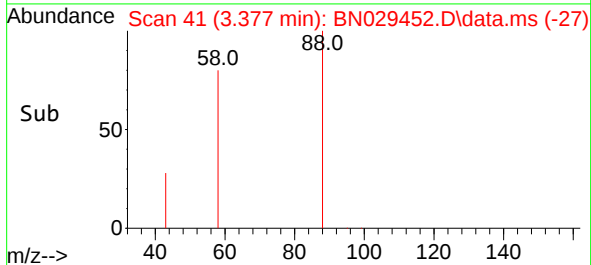
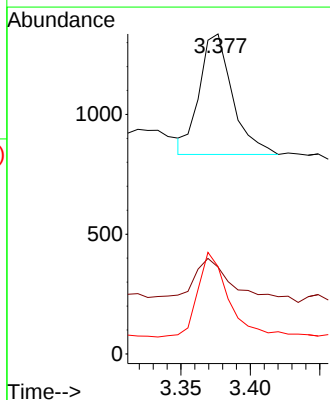
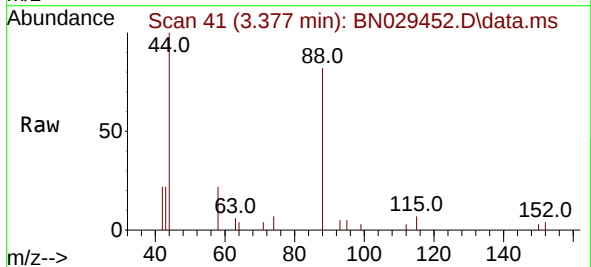
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#2
1,4-Dioxane
Concen: 0.171 ng
RT: 3.377 min Scan# 41
Delta R.T. 0.000 min
Lab File: BN029452.D
Acq: 31 Jan 2024 16:58

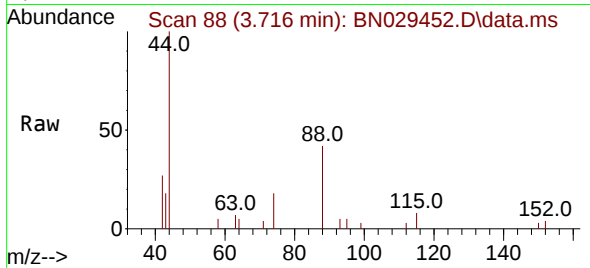
Tgt Ion: 88 Resp: 833
Ion Ratio Lower Upper
88 100
43 29.5 23.3 34.9
58 65.8 53.8 80.6





#3
n-Nitrosodimethylamine
Concen: 0.112 ng
RT: 3.716 min Scan# 80
Delta R.T. 0.007 min
Lab File: BN029452.D
Acq: 31 Jan 2024 16:58

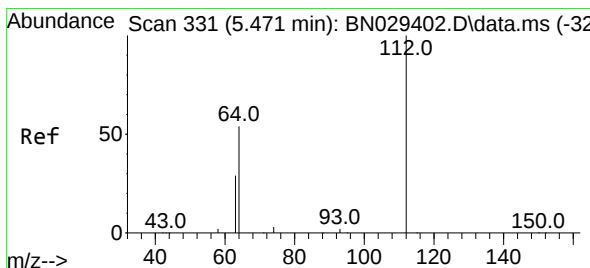
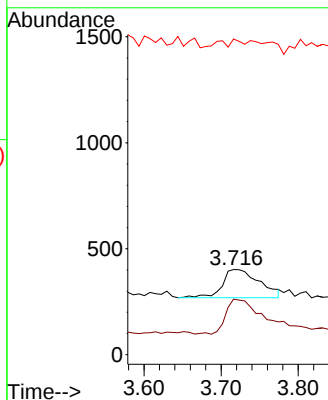
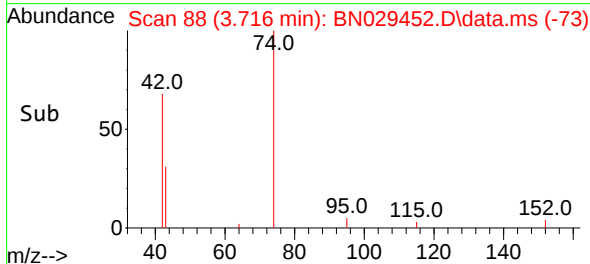
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-03-QT3-2023



Tgt Ion: 42 Resp: 44
Ion Ratio Lower Upper
42 100
74 111.3 93.7 140.5
44 7.9 13.0 19.4

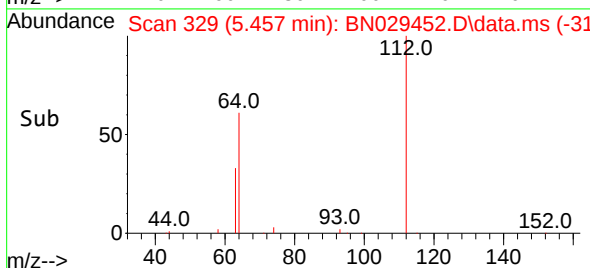
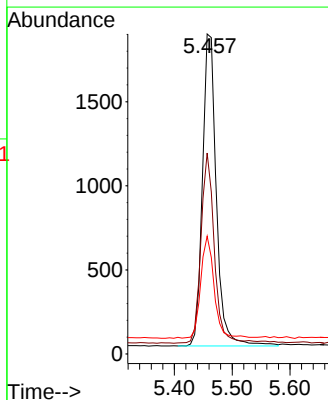
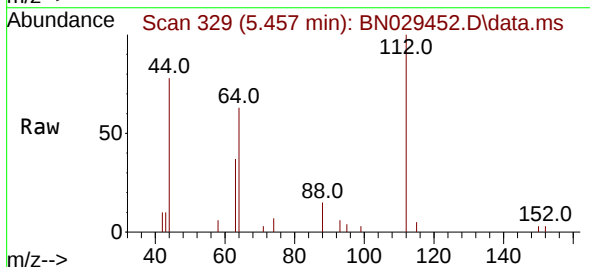
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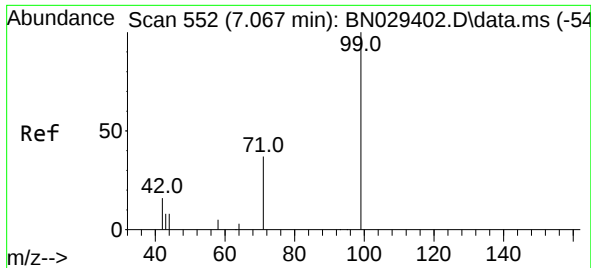
Reviewed By :Jagrut Upadhyay 02/01/2024
Supervised By :Sohil Jodhani 02/02/2024



#4
2-Fluorophenol
Concen: 0.373 ng
RT: 5.457 min Scan# 329
Delta R.T. -0.014 min
Lab File: BN029452.D
Acq: 31 Jan 2024 16:58

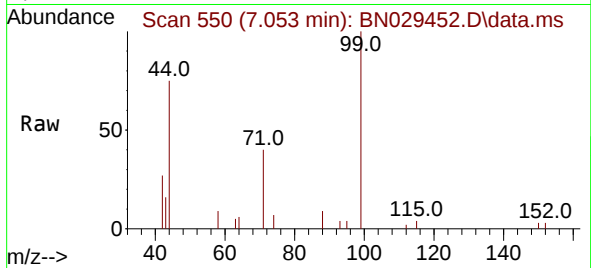
Tgt Ion:112 Resp: 3107
Ion Ratio Lower Upper
112 100
64 58.6 47.2 70.8
63 31.8 25.8 38.6





#5
Phenol-d6
Concen: 0.403 ng
RT: 7.053 min Scan# 51
Delta R.T. -0.014 min
Lab File: BN029452.D
Acq: 31 Jan 2024 16:58

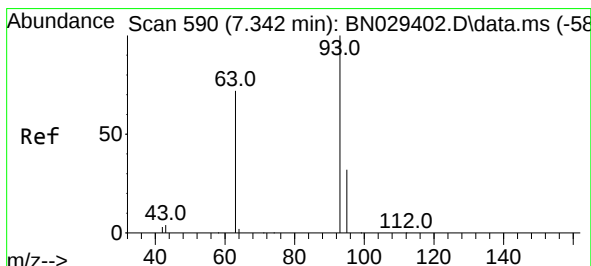
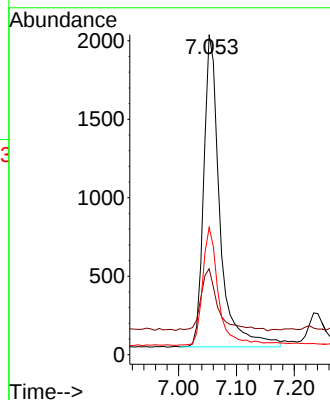
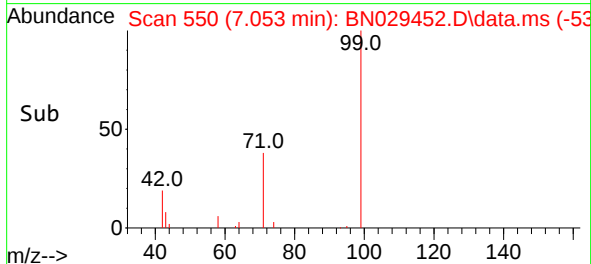
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-03-QT3-2023



Tgt Ion: 99 Resp: 3874
Ion Ratio Lower Upper
99 100
42 21.1 16.9 25.3
71 37.4 30.0 45.0

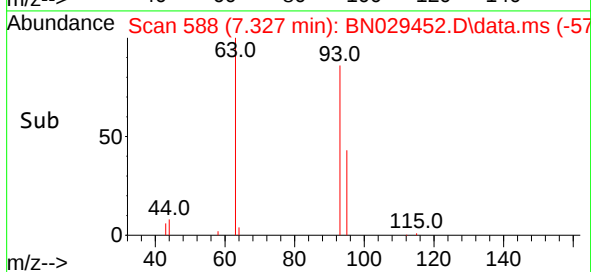
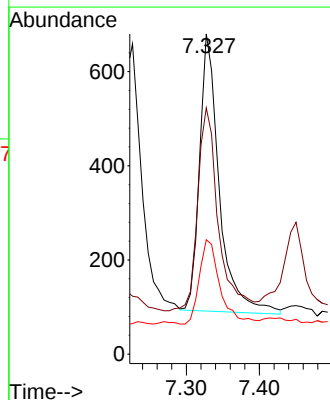
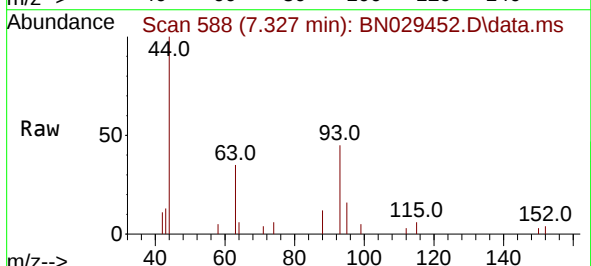
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#6
bis(2-Chloroethyl)ether
Concen: 0.120 ng
RT: 7.327 min Scan# 588
Delta R.T. -0.014 min
Lab File: BN029452.D
Acq: 31 Jan 2024 16:58

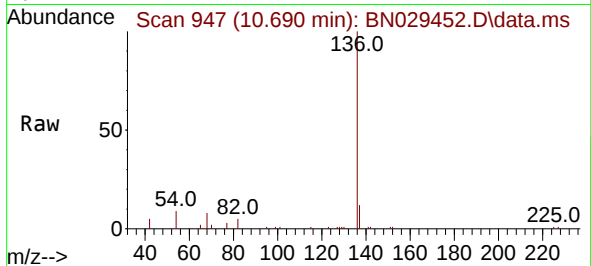
Tgt Ion: 93 Resp: 1101
Ion Ratio Lower Upper
93 100
63 76.4 63.1 94.7
95 32.1 27.1 40.7





#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.690 min Scan# 948
Delta R.T. -0.011 min
Lab File: BN029452.D
Acq: 31 Jan 2024 16:58

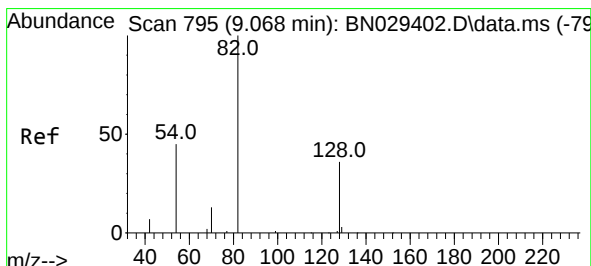
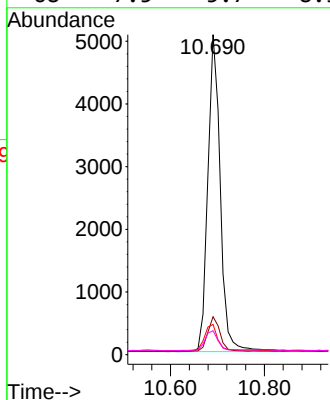
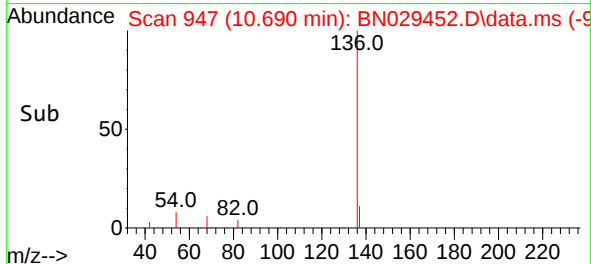
Instrument : BNA_N
ClientSampleId : MDL-SOIL-03-QT3-2023



Tgt Ion:	136	Resp:	929
Ion	Ratio	Lower	Upper
136	100		
137	11.9	9.7	14.5
54	9.5	6.6	10.0
68	7.5	5.7	8.5

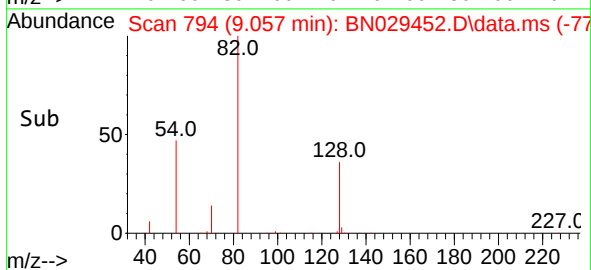
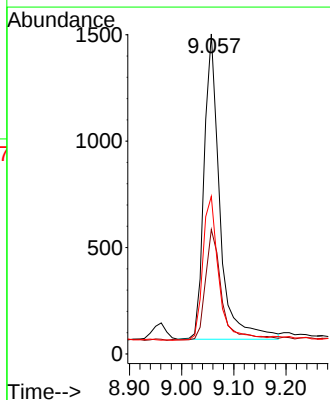
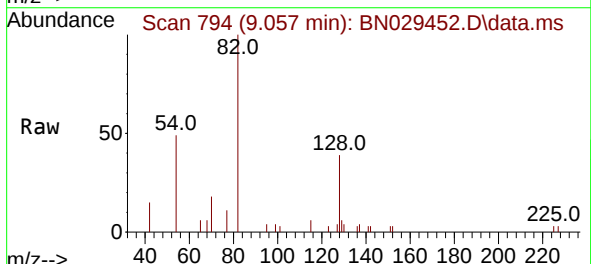
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#8
Nitrobenzene-d5
Concen: 0.388 ng
RT: 9.057 min Scan# 794
Delta R.T. -0.011 min
Lab File: BN029452.D
Acq: 31 Jan 2024 16:58

Tgt Ion:	82	Resp:	3002
Ion	Ratio	Lower	Upper
82	100		
128	38.9	31.6	47.4
54	49.3	38.2	57.4





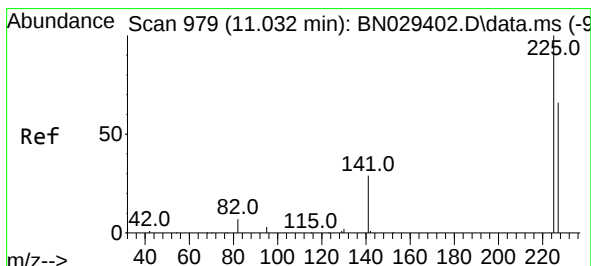
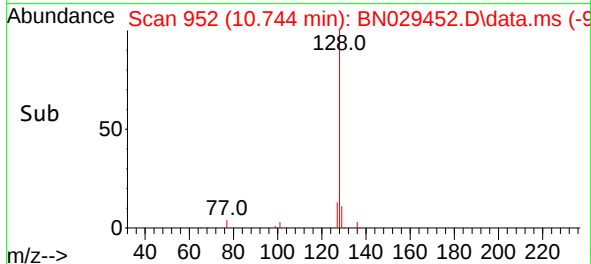
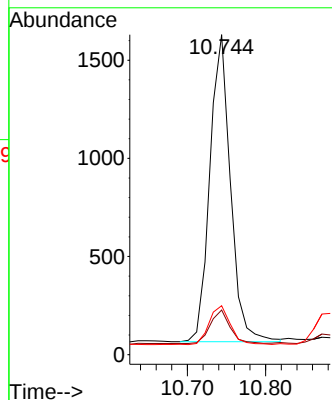
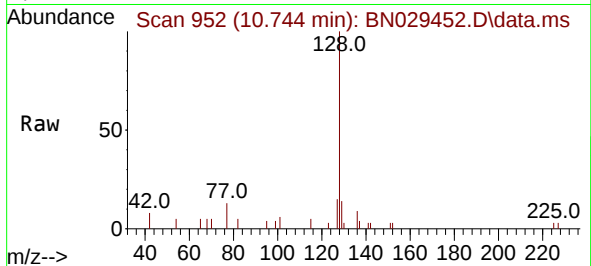
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Naphthalene
Concen: 0.108 ng
RT: 10.744 min Scan# 91
Delta R.T. -0.011 min
Lab File: BN029452.D
Acq: 31 Jan 2024 16:58

Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-03-QT3-2023

Tgt Ion:128 Resp: 286
Ion Ratio Lower Upper
128 100
129 13.9 9.5 14.3
127 15.3 10.8 16.2

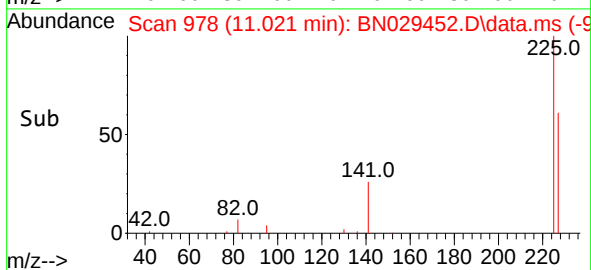
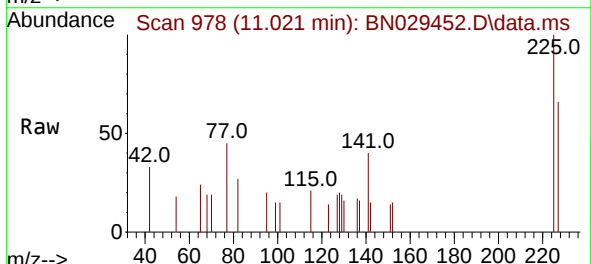
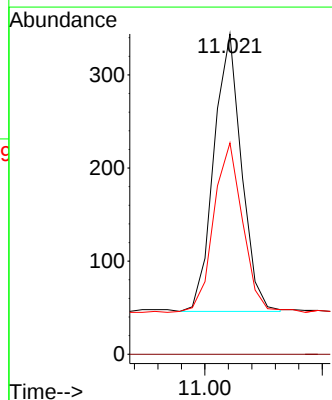
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#10
Hexachlorobutadiene
Concen: 0.097 ng
RT: 11.021 min Scan# 978
Delta R.T. -0.011 min
Lab File: BN029452.D
Acq: 31 Jan 2024 16:58

Tgt Ion:225 Resp: 487
Ion Ratio Lower Upper
225 100
223 0.0 0.0 0.0
227 64.1 51.1 76.7





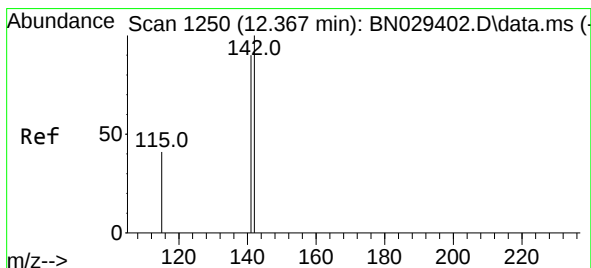
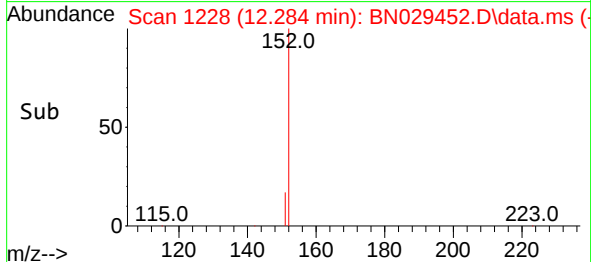
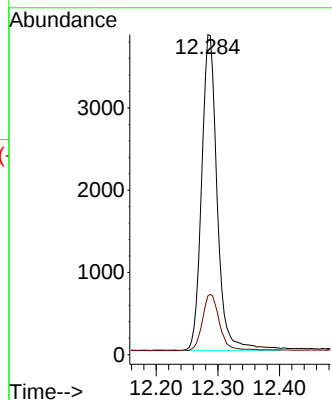
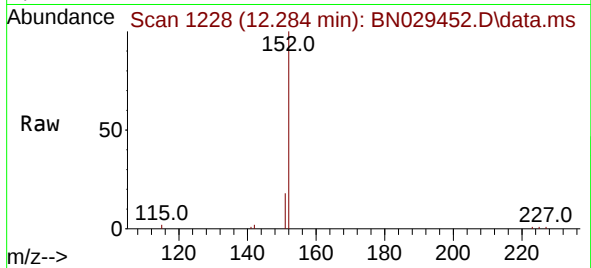
#11
2-Methylnaphthalene-d10
Concen: 0.531 ng
RT: 12.284 min Scan# 1228
Delta R.T. -0.008 min
Lab File: BN029452.D
Acq: 31 Jan 2024 16:58

Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-03-QT3-2023

Tgt Ion:152 Resp: 672
Ion Ratio Lower Upper
152 100
151 19.1 17.1 25.7

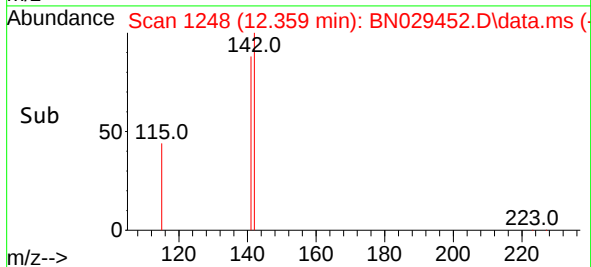
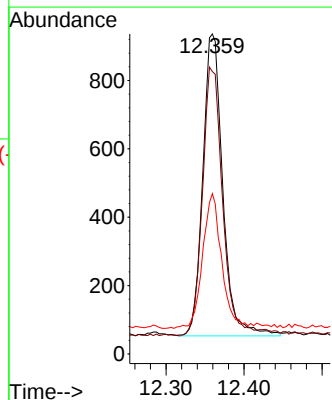
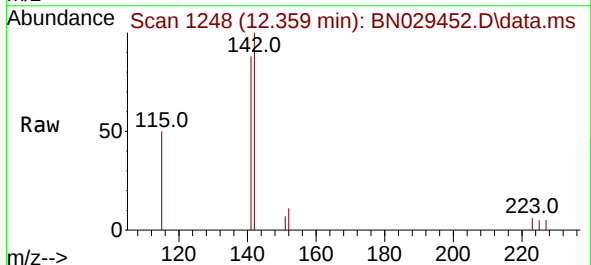
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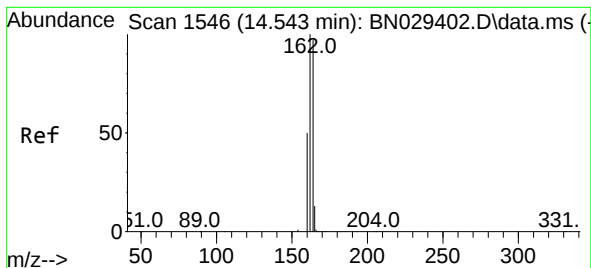
Reviewed By :Jagrut Upadhyay 02/01/2024
Supervised By :Sohil Jodhani 02/02/2024



#12
2-Methylnaphthalene
Concen: 0.101 ng
RT: 12.359 min Scan# 1248
Delta R.T. -0.008 min
Lab File: BN029452.D
Acq: 31 Jan 2024 16:58

Tgt Ion:142 Resp: 1571
Ion Ratio Lower Upper
142 100
141 88.2 71.9 107.9
115 50.1 33.9 50.9





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.532 min Scan# 1545

Delta R.T. -0.011 min

Lab File: BN029452.D

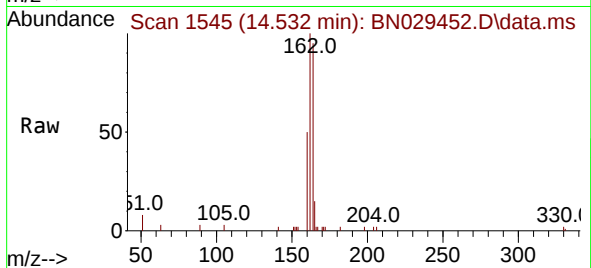
Acq: 31 Jan 2024 16:58

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-03-QT3-2023

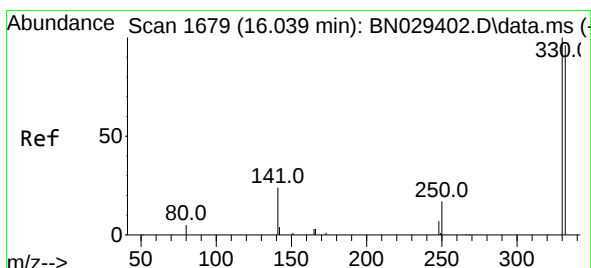
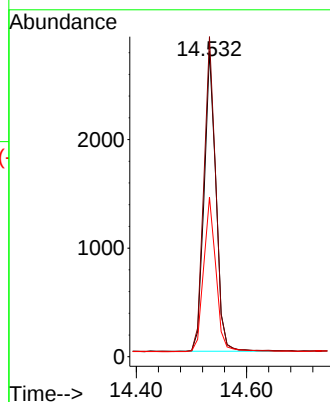
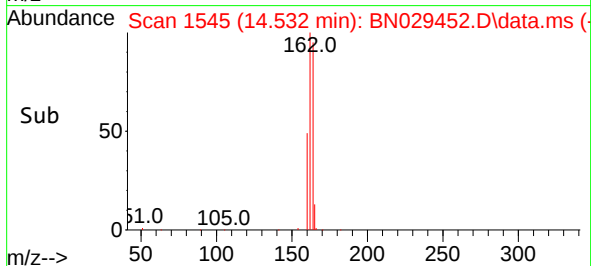


Tgt Ion:164	Resp:	414
Ion	Ratio	Lower Upper
164	100	
162	104.8	82.6 123.8
160	52.3	41.5 62.3

Manual Integrations

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#14

2,4,6-Tribromophenol

Concen: 0.326 ng

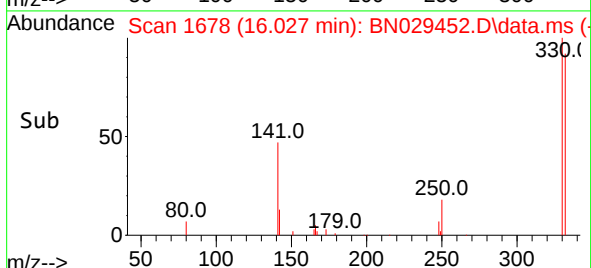
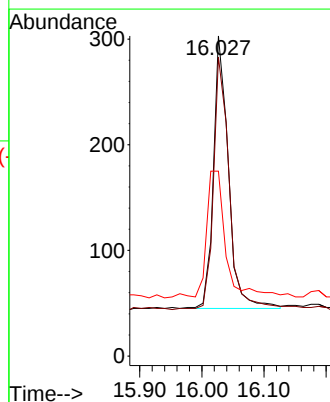
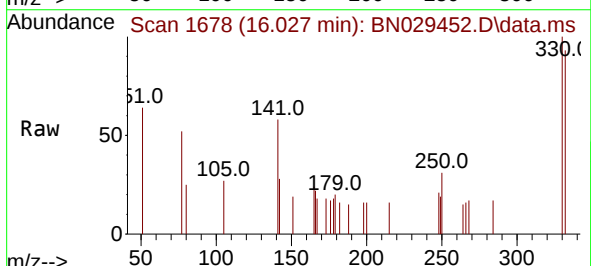
RT: 16.027 min Scan# 1678

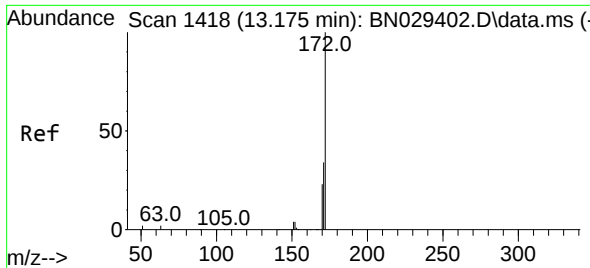
Delta R.T. -0.012 min

Lab File: BN029452.D

Acq: 31 Jan 2024 16:58

Tgt Ion:330	Resp:	433
Ion	Ratio	Lower Upper
330	100	
332	97.2	76.0 114.0
141	58.0	43.4 65.2





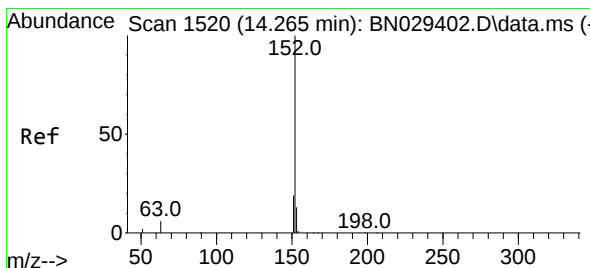
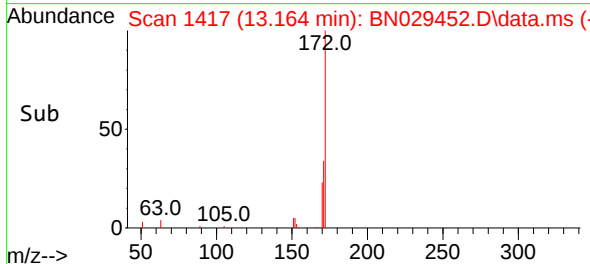
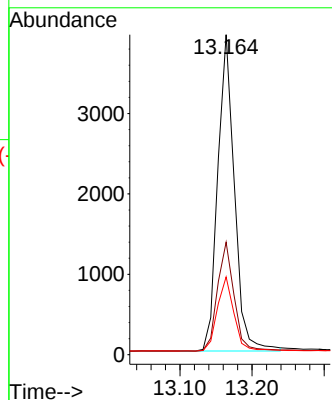
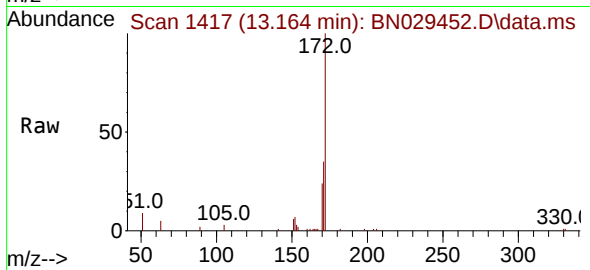
#15
2-Fluorobiphenyl
Concen: 0.354 ng
RT: 13.164 min Scan# 1417
Delta R.T. -0.011 min
Lab File: BN029452.D
Acq: 31 Jan 2024 16:58

Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-03-QT3-2023

Tgt Ion:172 Resp: 630
Ion Ratio Lower Upper
172 100
171 35.2 28.0 42.0
170 24.3 18.7 28.1

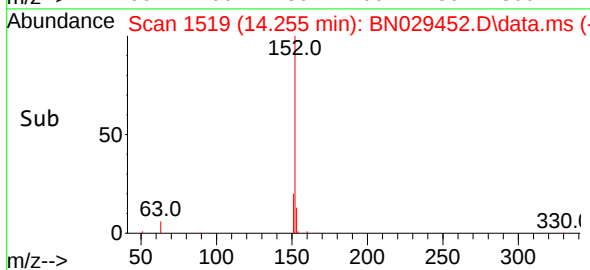
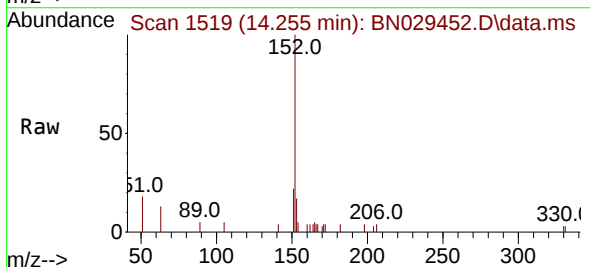
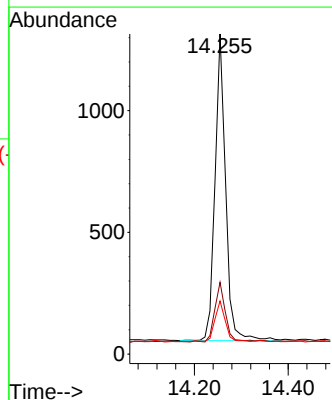
Manual Integrations
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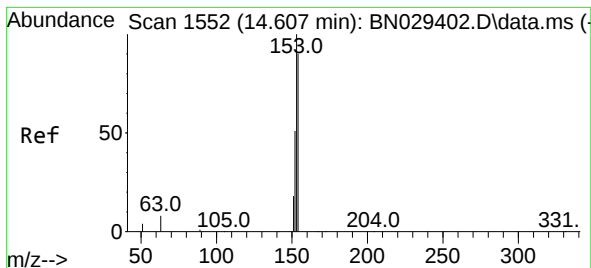
Reviewed By :Jagrut Upadhyay 02/01/2024
Supervised By :Sohil Jodhani 02/02/2024



#16
Acenaphthylene
Concen: 0.101 ng
RT: 14.255 min Scan# 1519
Delta R.T. -0.011 min
Lab File: BN029452.D
Acq: 31 Jan 2024 16:58

Tgt Ion:152 Resp: 1997
Ion Ratio Lower Upper
152 100
151 20.1 15.9 23.9
153 13.7 10.5 15.7





#17

Acenaphthene

Concen: 0.098 ng

RT: 14.597 min Scan# 1551

Delta R.T. -0.011 min

Lab File: BN029452.D

Acq: 31 Jan 2024 16:58

Instrument :

BNA_N

ClientSampleId :

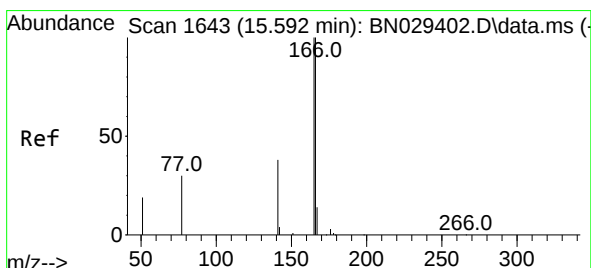
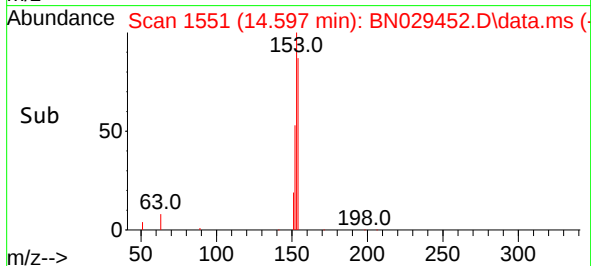
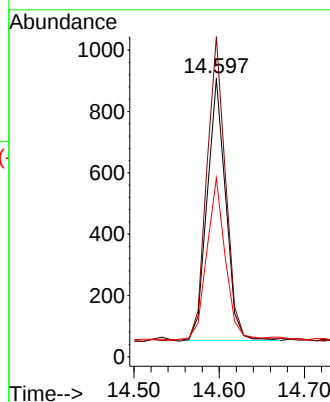
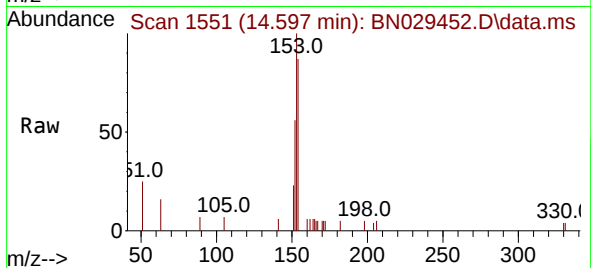
MDL-SOIL-03-QT3-2023

Tgt Ion:	154	Resp:	1289
Ion Ratio	Lower	Upper	
154	100		
153	119.3	93.6	140.4
152	61.9	48.6	73.0

Manual Integrations

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Reviewed By :Jagrut Upadhyay 02/01/2024
Supervised By :Sohil Jodhani 02/02/2024



#18

Fluorene

Concen: 0.096 ng

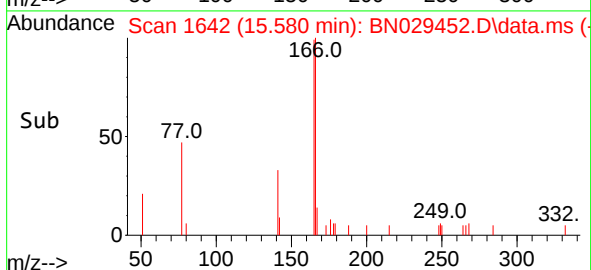
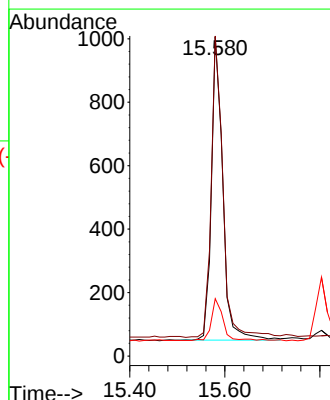
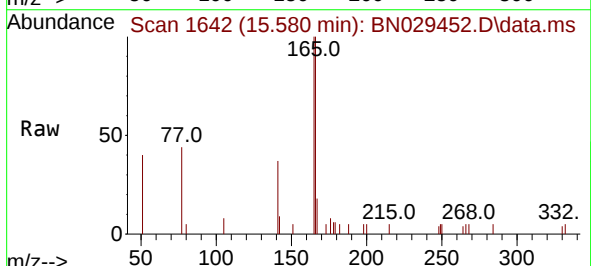
RT: 15.580 min Scan# 1642

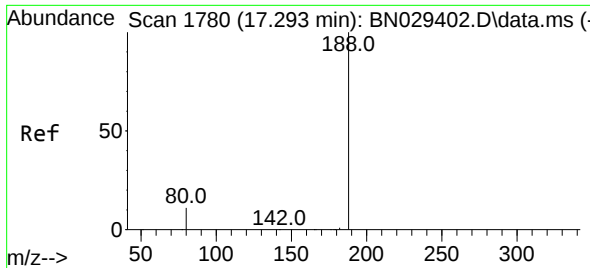
Delta R.T. -0.012 min

Lab File: BN029452.D

Acq: 31 Jan 2024 16:58

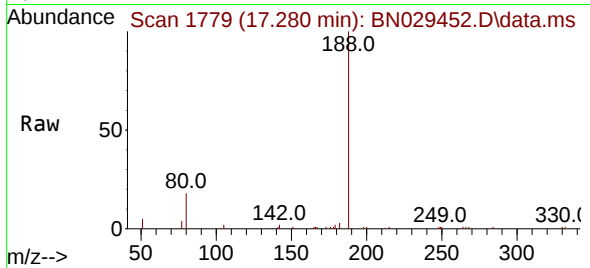
Tgt Ion:	166	Resp:	1599
Ion Ratio	Lower	Upper	
166	100		
165	100.8	79.9	119.9
167	15.3	11.3	16.9





#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.280 min Scan# 11
Delta R.T. -0.012 min
Lab File: BN029452.D
Acq: 31 Jan 2024 16:58

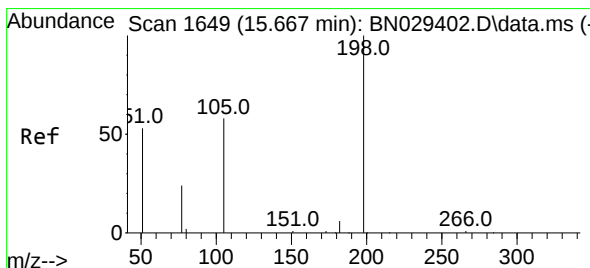
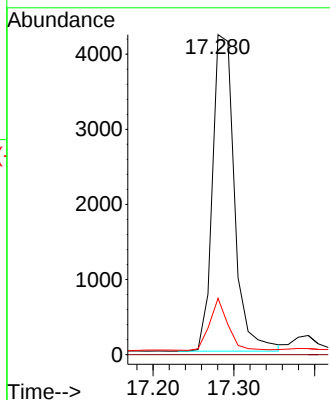
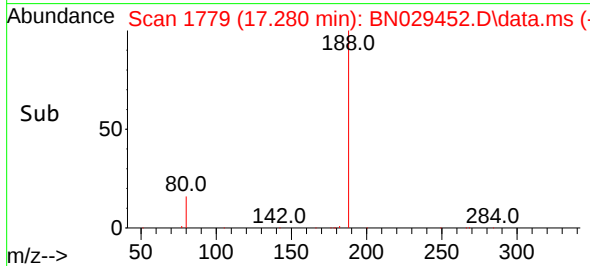
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-03-QT3-2023



Tgt Ion:188 Resp: 7979
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 17.6 10.0 15.0

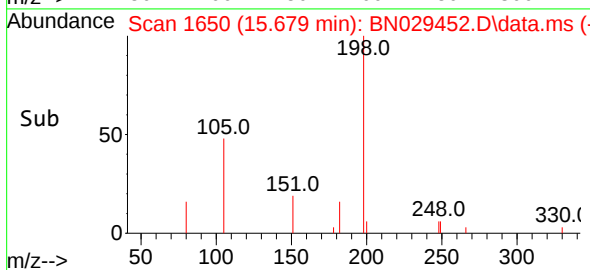
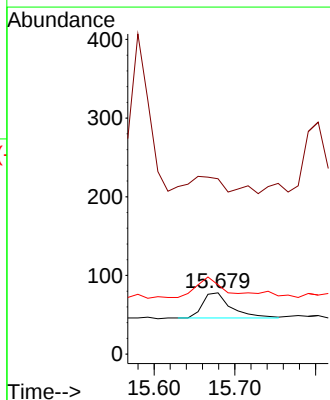
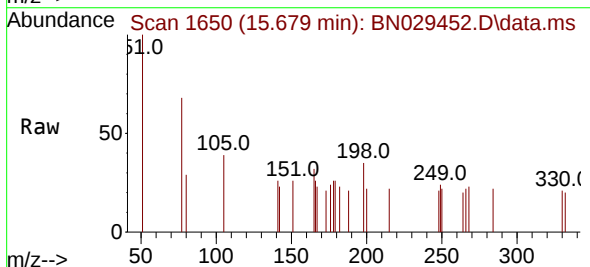
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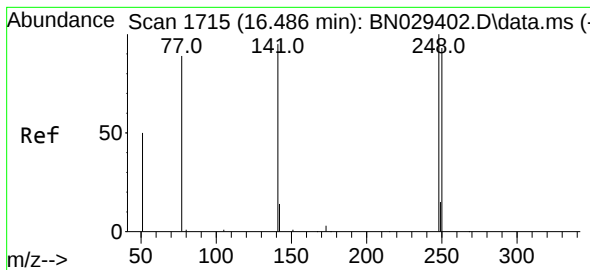
Reviewed By :Jagrut Upadhyay 02/01/2024
Supervised By :Sohil Jodhani 02/02/2024



#20
4,6-Dinitro-2-methylphenol
Concen: 0.067 ng
RT: 15.679 min Scan# 1650
Delta R.T. 0.012 min
Lab File: BN029452.D
Acq: 31 Jan 2024 16:58

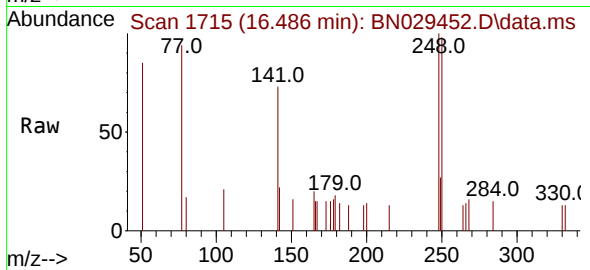
Tgt Ion:198 Resp: 78
Ion Ratio Lower Upper
198 100
51 285.9 111.0 166.6#
105 112.8 67.0 100.6#





#21
4-Bromophenyl-phenylether
Concen: 0.095 ng
RT: 16.486 min Scan# 1715
Delta R.T. 0.000 min
Lab File: BN029452.D
Acq: 31 Jan 2024 16:58

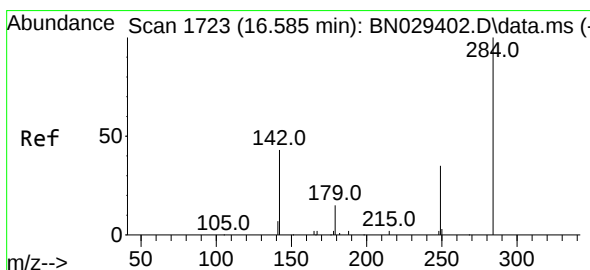
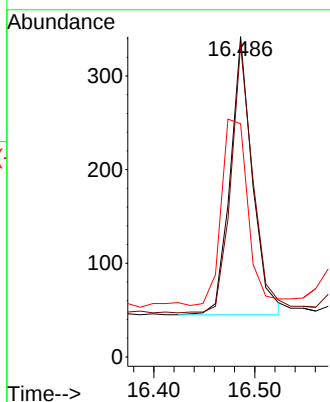
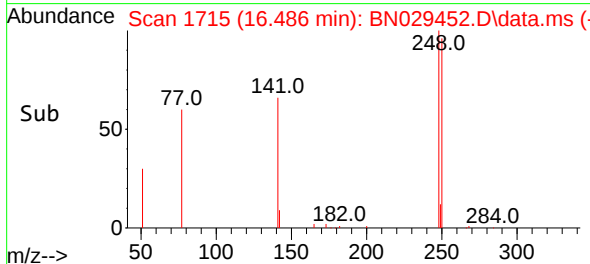
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-03-QT3-2023



Tgt Ion:248 Resp: 450
Ion Ratio Lower Upper
248 100
250 97.7 75.0 112.4
141 72.8 77.0 115.6

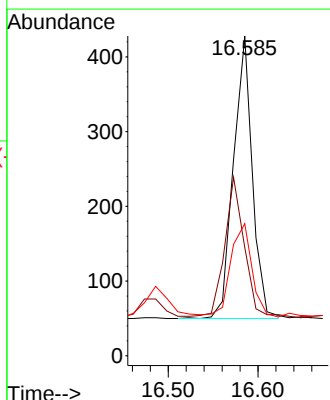
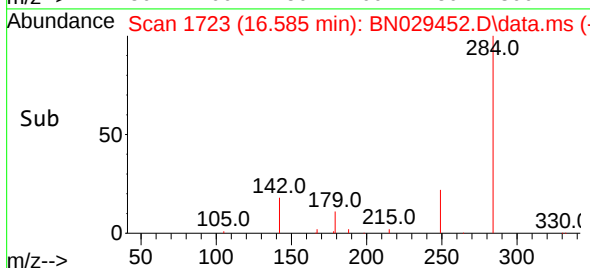
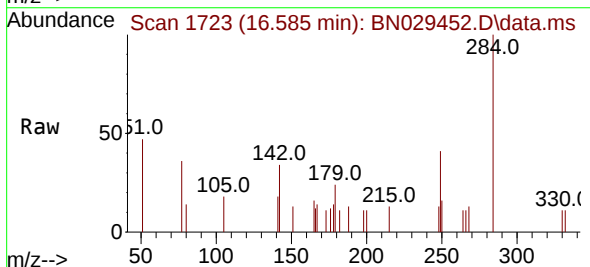
Manual Integrations
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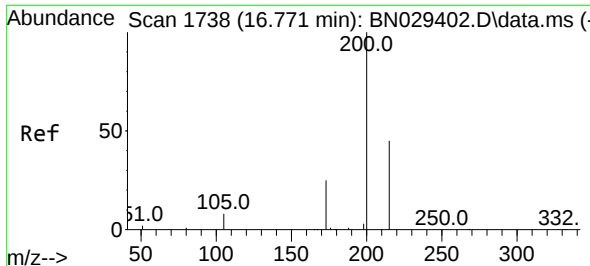
Reviewed By :Jagrut Upadhyay 02/01/2024
Supervised By :Sohil Jodhani 02/02/2024



#22
Hexachlorobenzene
Concen: 0.094 ng
RT: 16.585 min Scan# 1723
Delta R.T. 0.000 min
Lab File: BN029452.D
Acq: 31 Jan 2024 16:58

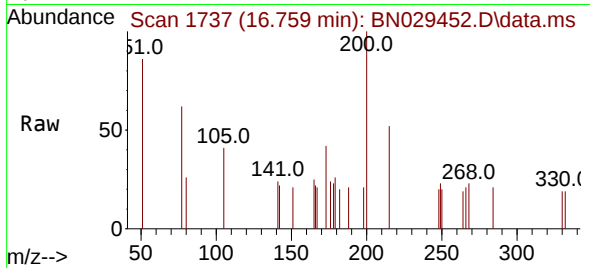
Tgt Ion:284 Resp: 550
Ion Ratio Lower Upper
284 100
142 49.6 39.4 59.2
249 37.5 26.9 40.3





#23
 Atrazine
 Concen: 0.102 ng
 RT: 16.759 min Scan# 1737
 Delta R.T. -0.012 min
 Lab File: BN029452.D
 Acq: 31 Jan 2024 16:58

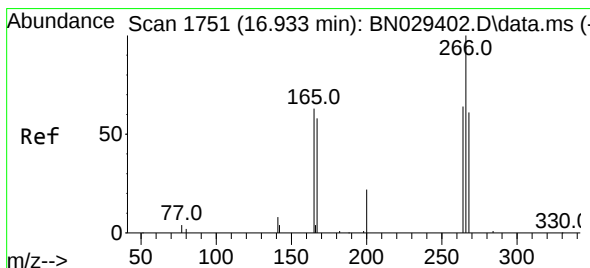
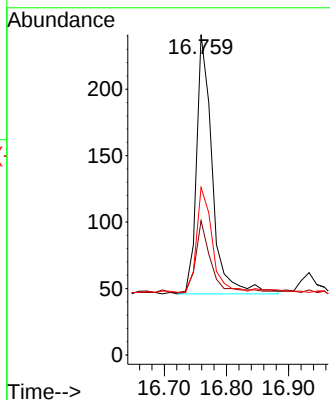
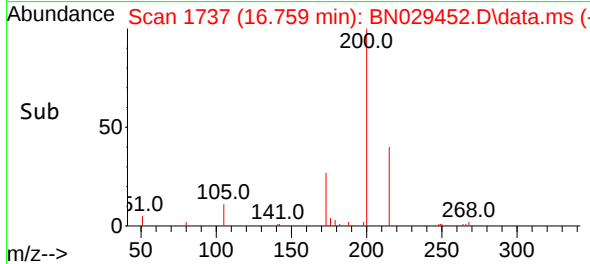
Instrument :
 BNA_N
 ClientSampleId :
 MDL-SOIL-03-QT3-2023



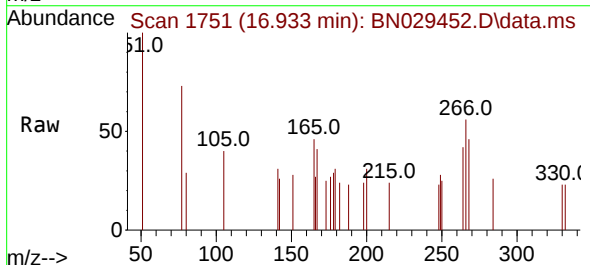
Tgt Ion:200 Resp: 349
 Ion Ratio Lower Upper
 200 100
 173 41.9 23.4 35.0
 215 52.3 38.4 57.6

Manual Integrations
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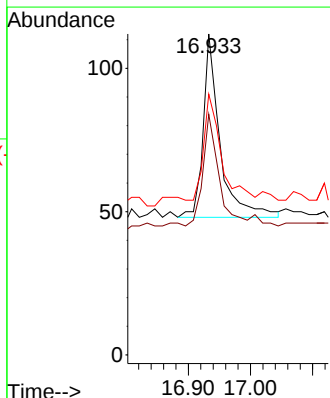
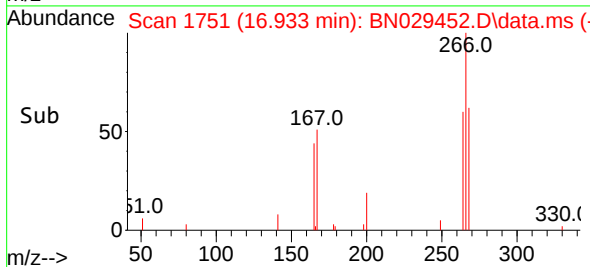
Reviewed By :Jagrut Upadhyay 02/01/2024
 Supervised By :Sohil Jodhani 02/02/2024

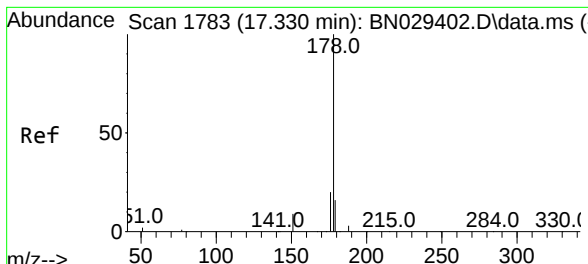


#24
 Pentachlorophenol
 Concen: 0.066 ng
 RT: 16.933 min Scan# 1751
 Delta R.T. 0.000 min
 Lab File: BN029452.D
 Acq: 31 Jan 2024 16:58



Tgt Ion:266 Resp: 121
 Ion Ratio Lower Upper
 266 100
 264 62.0 50.8 76.2
 268 61.2 51.5 77.3



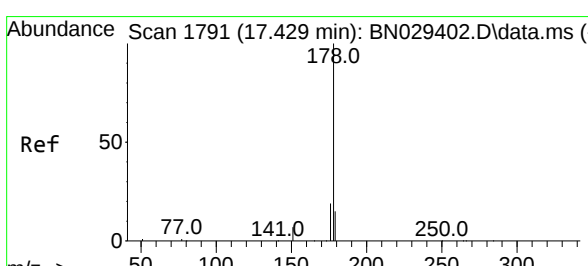
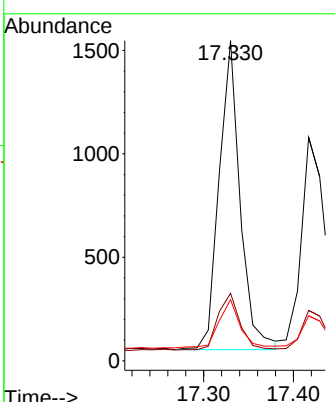
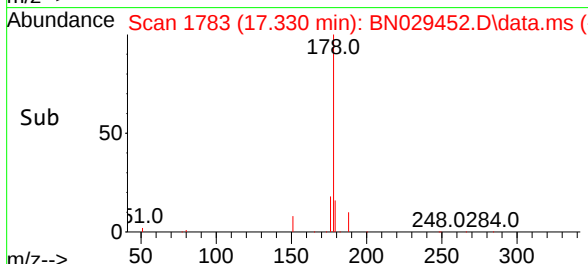
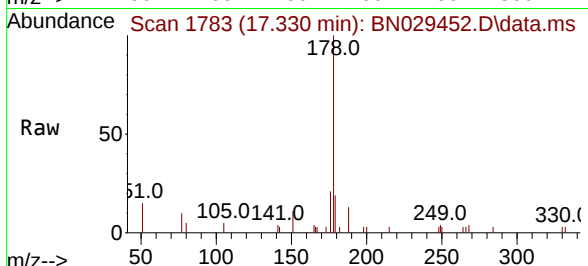


#25
 Phenanthrene
 Concen: 0.103 ng
 RT: 17.330 min Scan# 1783
 Delta R.T. 0.000 min
 Lab File: BN029452.D
 Acq: 31 Jan 2024 16:58

Instrument : BNA_N
 ClientSampleId : MDL-SOIL-03-QT3-2023

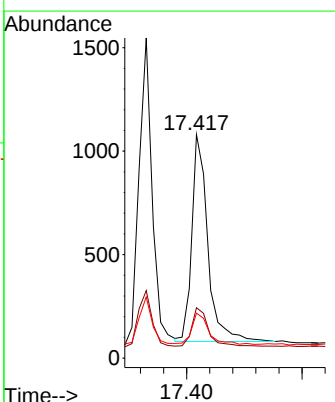
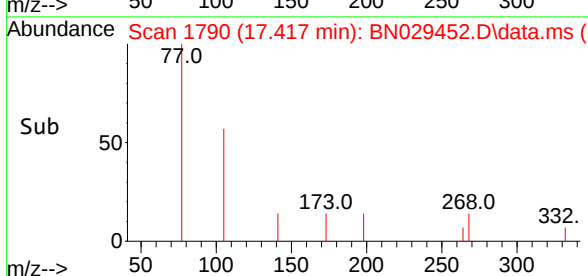
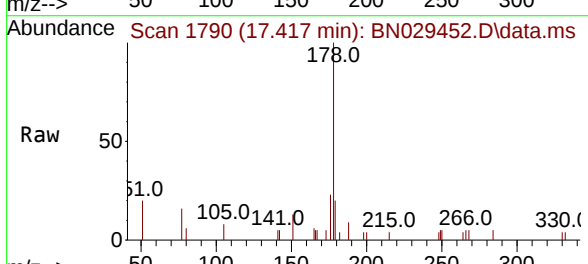
Tgt Ion:	178	Resp:	243
Ion Ratio	Lower	Upper	
178	100		
176	19.4	15.8	23.6
179	15.9	12.6	19.0

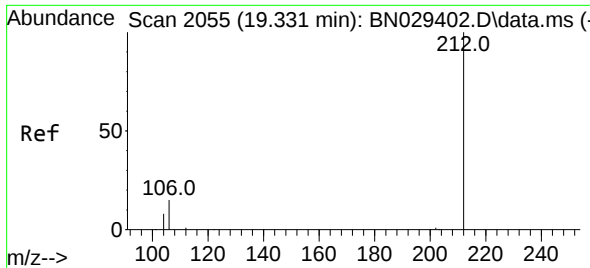
Manual Integrations
APPROVED
 Reviewed By :Jagrut Upadhyay 02/01/2024
 Supervised By :Sohil Jodhani 02/02/2024



#26
 Anthracene
 Concen: 0.096 ng
 RT: 17.417 min Scan# 1790
 Delta R.T. -0.012 min
 Lab File: BN029452.D
 Acq: 31 Jan 2024 16:58

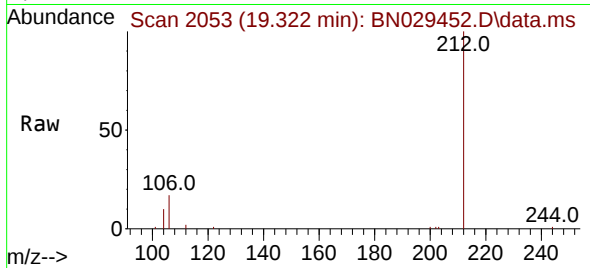
Tgt Ion:	178	Resp:	1930
Ion Ratio	Lower	Upper	
178	100		
176	18.9	15.0	22.4
179	15.4	12.3	18.5





#27
Fluoranthene-d10
Concen: 0.592 ng
RT: 19.322 min Scan# 2053
Delta R.T. -0.009 min
Lab File: BN029452.D
Acq: 31 Jan 2024 16:58

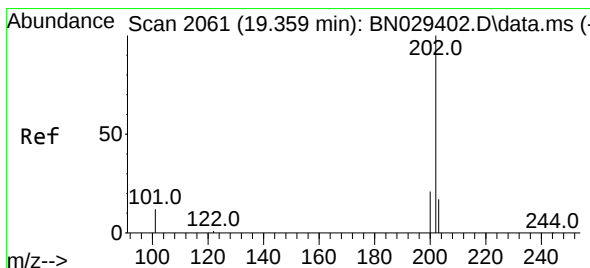
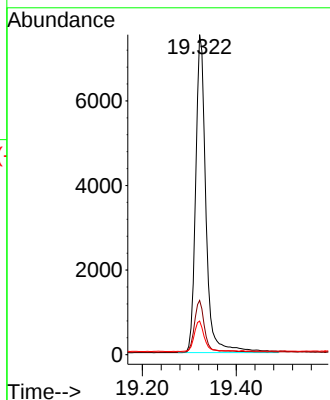
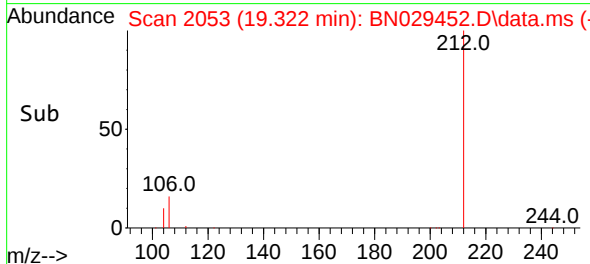
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-03-QT3-2023



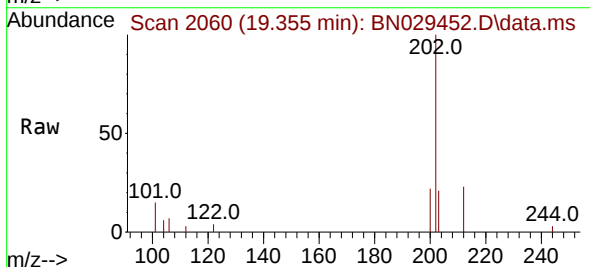
Tgt Ion:212 Resp: 1144
Ion Ratio Lower Upper
212 100
106 15.7 13.2 19.8
104 9.3 7.7 11.5

Manual Integrations
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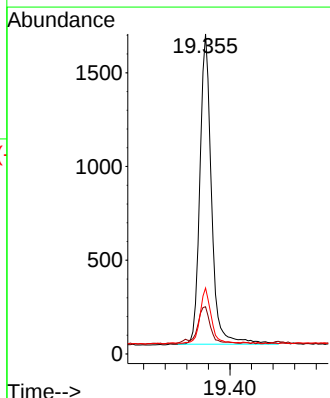
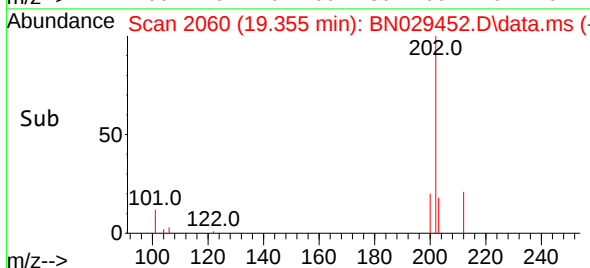
Reviewed By :Jagrut Upadhyay 02/01/2024
Supervised By :Sohil Jodhani 02/02/2024

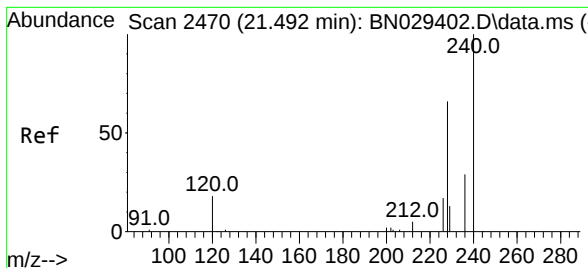


#28
Fluoranthene
Concen: 0.093 ng
RT: 19.355 min Scan# 2060
Delta R.T. -0.005 min
Lab File: BN029452.D
Acq: 31 Jan 2024 16:58



Tgt Ion:202 Resp: 2477
Ion Ratio Lower Upper
202 100
101 13.5 10.5 15.7
203 16.7 13.5 20.3





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.492 min Scan# 2470

Delta R.T. 0.000 min

Lab File: BN029452.D

Acq: 31 Jan 2024 16:58

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-03-QT3-2023

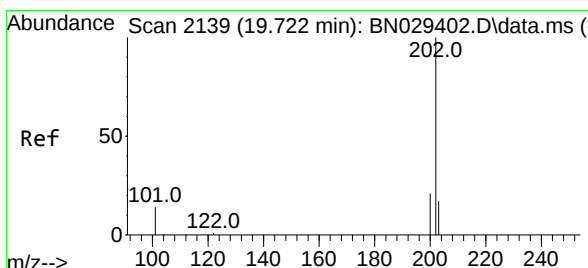
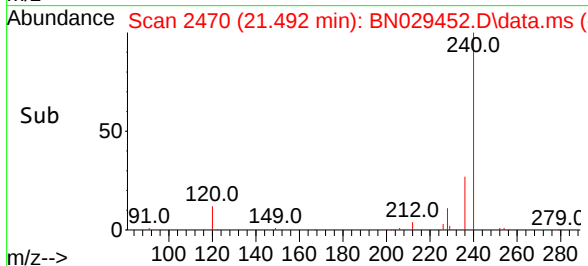
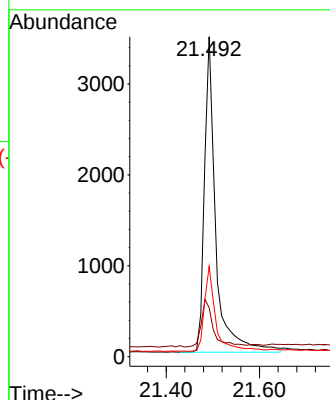
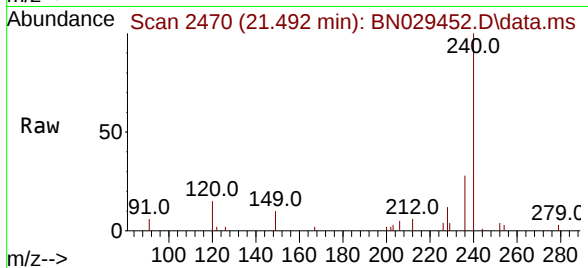
Tgt Ion:240 Resp: 586

Ion	Ratio	Lower	Upper
240	100		
120	15.3	16.7	25.1
236	28.2	23.9	35.9

Manual Integrations

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Reviewed By :Jagrut Upadhyay 02/01/2024
Supervised By :Sohil Jodhani 02/02/2024



#30

Pyrene

Concen: 0.092 ng

RT: 19.717 min Scan# 2138

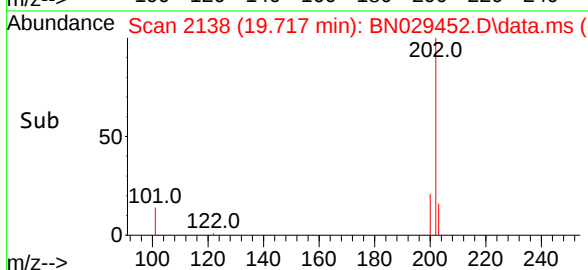
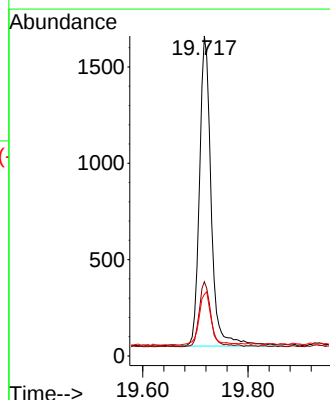
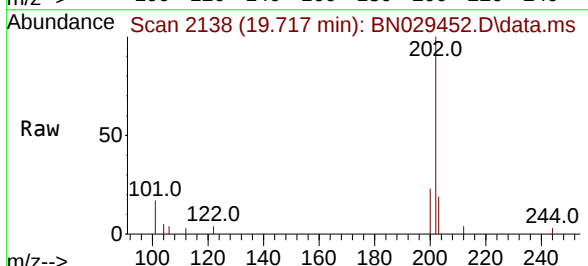
Delta R.T. -0.005 min

Lab File: BN029452.D

Acq: 31 Jan 2024 16:58

Tgt Ion:202 Resp: 2487

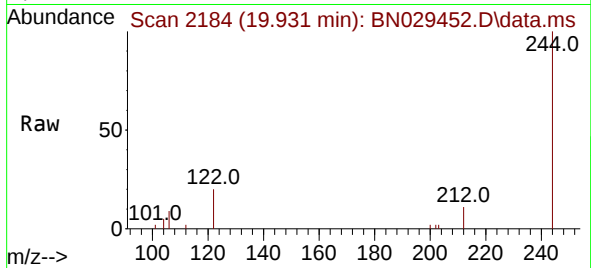
Ion	Ratio	Lower	Upper
202	100		
200	20.5	16.6	25.0
203	18.0	14.2	21.4





#31
 Terphenyl-d14
 Concen: 0.329 ng
 RT: 19.931 min Scan# 2185
 Delta R.T. -0.005 min
 Lab File: BN029452.D
 Acq: 31 Jan 2024 16:58

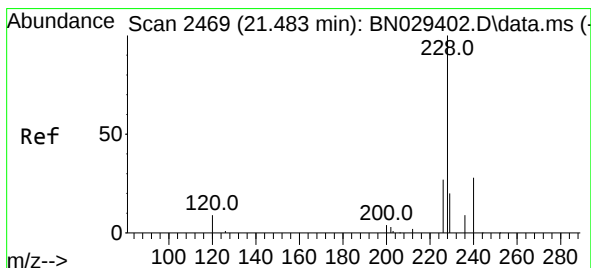
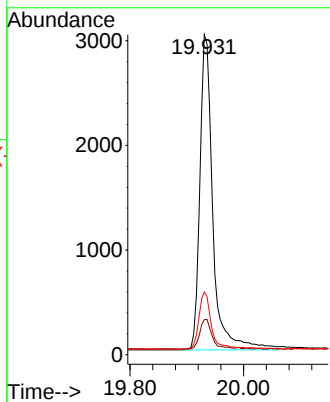
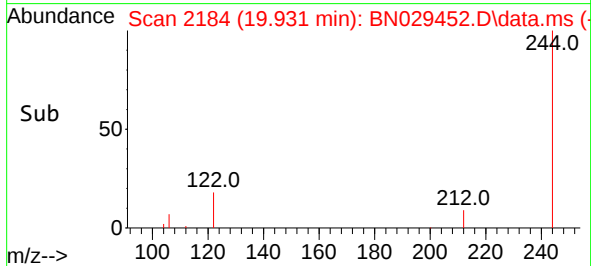
Instrument : BNA_N
 ClientSampleId : MDL-SOIL-03-QT3-2023



Tgt Ion:244 Resp: 4782
 Ion Ratio Lower Upper
 244 100
 212 10.9 8.2 12.4
 122 19.6 15.6 23.4

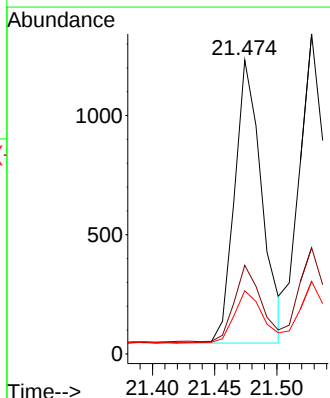
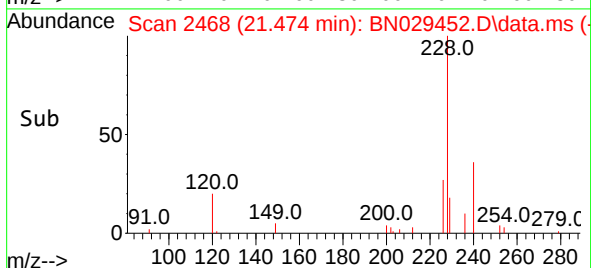
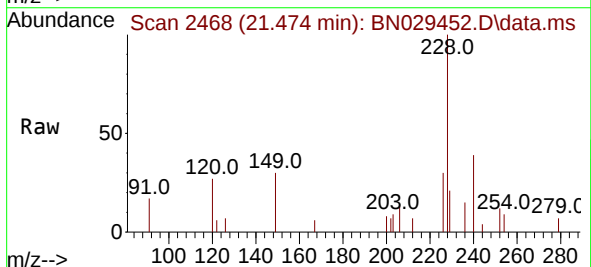
Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 02/01/2024
 Supervised By :Sohil Jodhani 02/02/2024



#32
 Benzo(a)anthracene
 Concen: 0.090 ng
 RT: 21.474 min Scan# 2468
 Delta R.T. -0.009 min
 Lab File: BN029452.D
 Acq: 31 Jan 2024 16:58

Tgt Ion:228 Resp: 1804
 Ion Ratio Lower Upper
 228 100
 226 30.2 22.2 33.4
 229 21.5 16.5 24.7





#33

Chrysene

Concen: 0.091 ng

RT: 21.528 min Scan# 2474

Delta R.T. 0.000 min

Lab File: BN029452.D

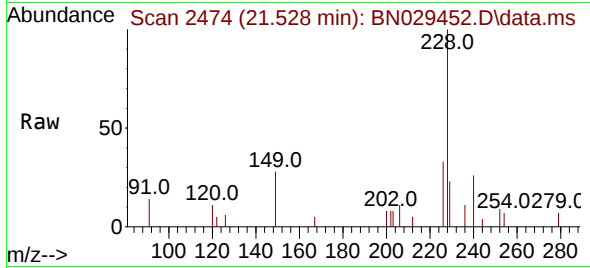
Acq: 31 Jan 2024 16:58

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-03-QT3-2023

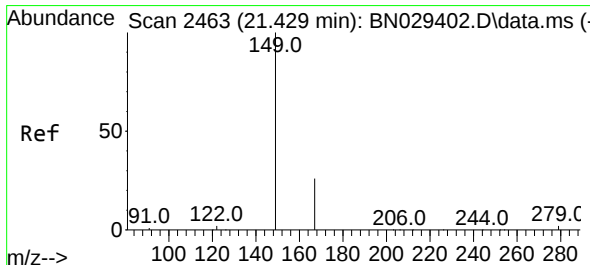
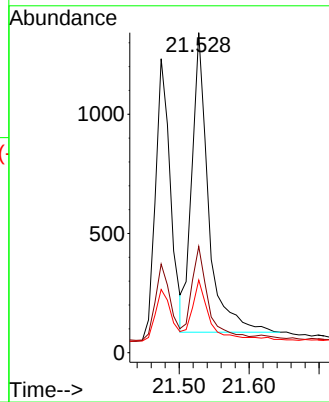
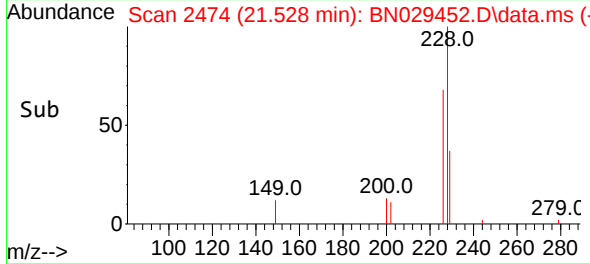


Tgt Ion	Ratio	Lower	Upper
228	100		
226	33.2	24.9	37.3
229	22.7	15.9	23.9

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Supervised By :Sohil Jodhani 02/02/2024



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.106 ng

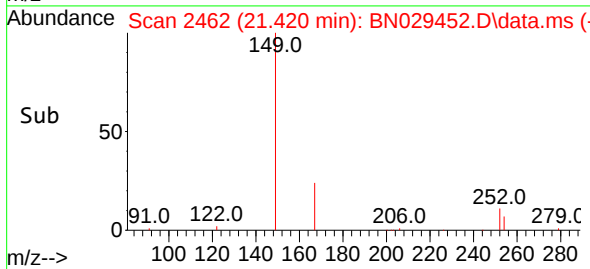
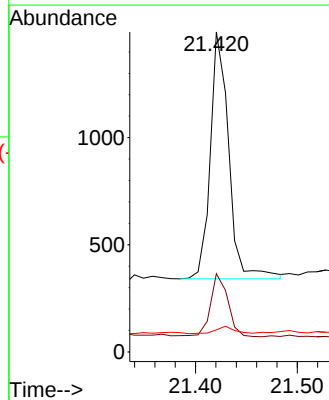
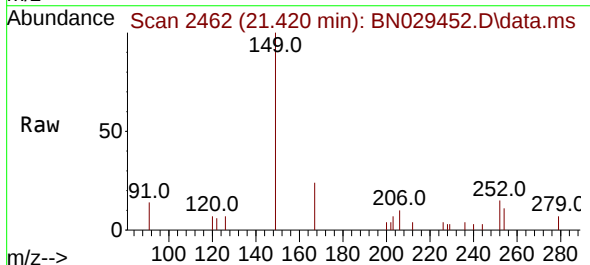
RT: 21.420 min Scan# 2462

Delta R.T. -0.009 min

Lab File: BN029452.D

Acq: 31 Jan 2024 16:58

Tgt Ion	Ratio	Lower	Upper
149	100		
167	24.1	20.1	30.1
279	3.0	2.5	3.7





#35

Perylene-d12

Concen: 0.400 ng

RT: 23.876 min Scan# 3078

Delta R.T. -0.009 min

Lab File: BN029452.D

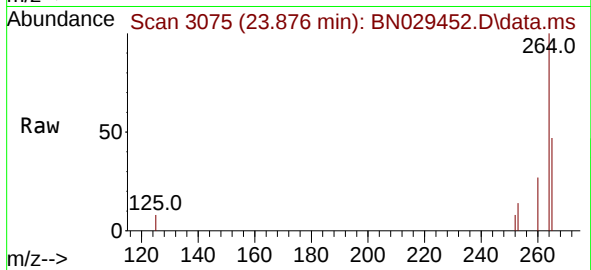
Acq: 31 Jan 2024 16:58

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-03-QT3-2023



Tgt Ion:264 Resp: 608

Ion Ratio Lower Upper

264 100

260 26.7 21.2 31.8

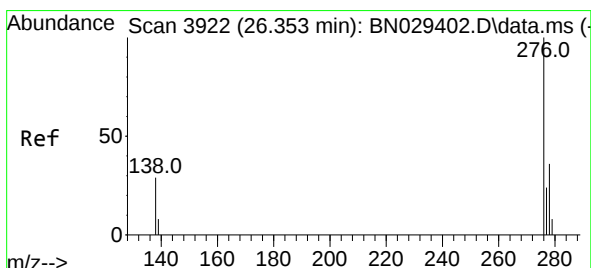
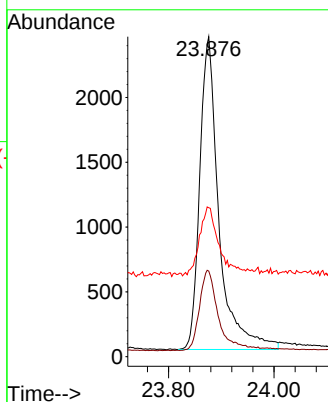
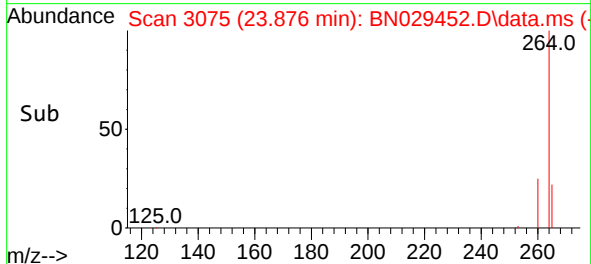
265 46.5 41.5 62.3

Manual Integrations

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Reviewed By :Jagrut Upadhyay 02/01/2024

Supervised By :Sohil Jodhani 02/02/2024



#36

Indeno(1,2,3-cd)pyrene

Concen: 0.089 ng m

RT: 26.335 min Scan# 3916

Delta R.T. -0.018 min

Lab File: BN029452.D

Acq: 31 Jan 2024 16:58

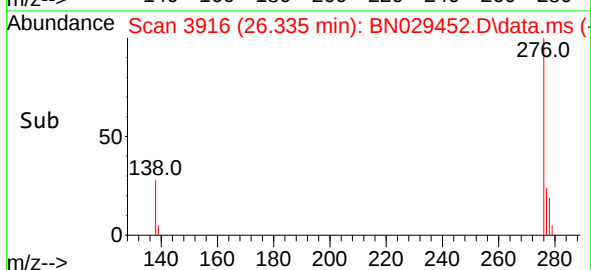
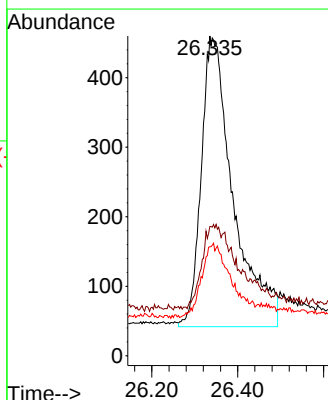
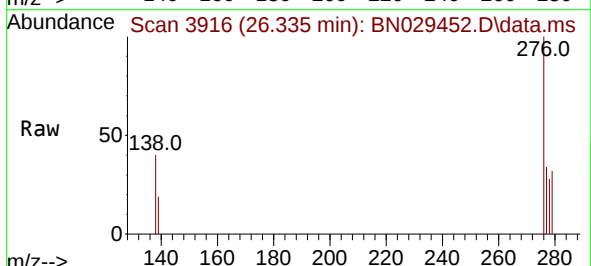
Tgt Ion:276 Resp: 2168

Ion Ratio Lower Upper

276 100

138 16.1 20.5 30.7#

277 22.8 17.0 25.4





#37

Benzo(b)fluoranthene

Concen: 0.084 ng

RT: 23.151 min Scan# 2827

Delta R.T. -0.006 min

Lab File: BN029452.D

Acq: 31 Jan 2024 16:58

Instrument :

BNA_N

ClientSampleId :

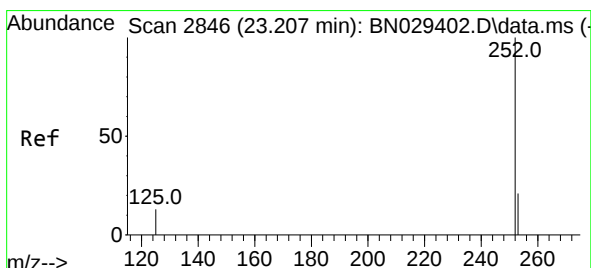
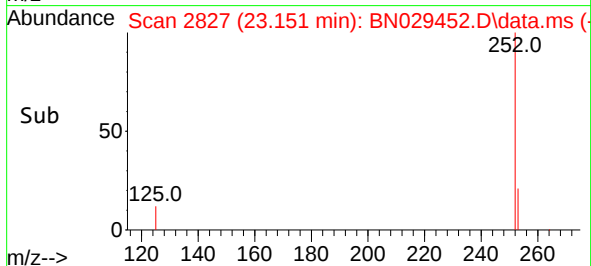
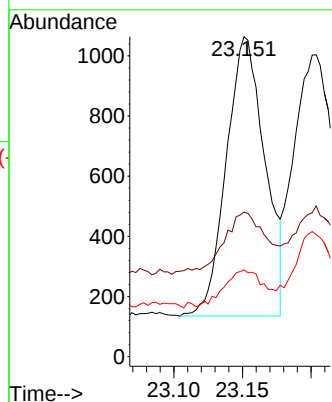
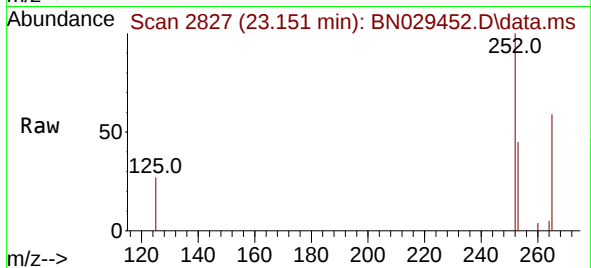
MDL-SOIL-03-QT3-2023

Tgt Ion:	252	Resp:	182
Ion Ratio	Lower	Upper	
252	100		
253	45.2	21.7	32.5
125	27.2	13.3	19.9

Manual Integrations

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Reviewed By :Jagrut Upadhyay 02/01/2024
Supervised By :Sohil Jodhani 02/02/2024



#38

Benzo(k)fluoranthene

Concen: 0.080 ng

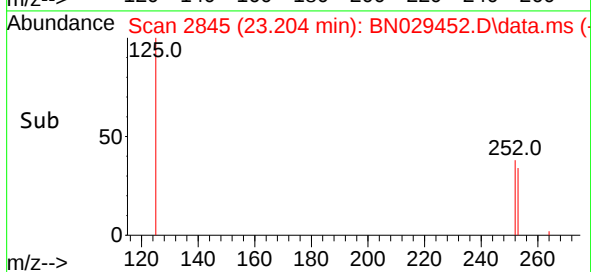
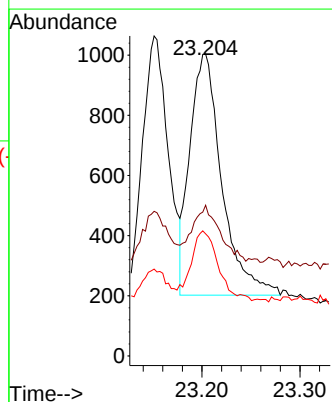
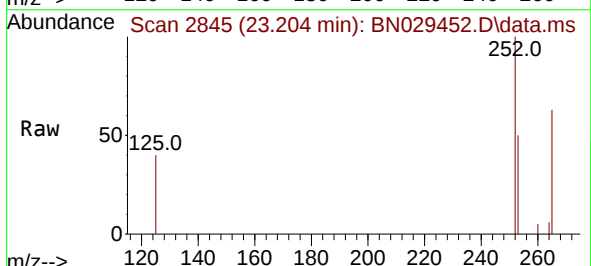
RT: 23.204 min Scan# 2845

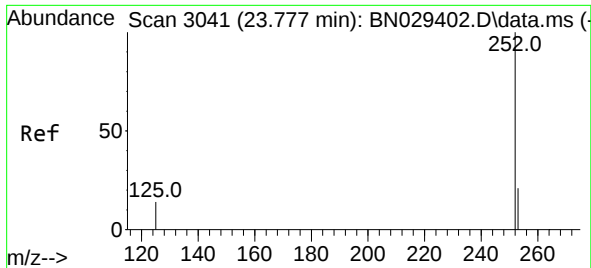
Delta R.T. -0.003 min

Lab File: BN029452.D

Acq: 31 Jan 2024 16:58

Tgt Ion:	252	Resp:	1819
Ion Ratio	Lower	Upper	
252	100		
253	49.9	21.8	32.8
125	40.4	13.9	20.9





#39

Benzo(a)pyrene

Concen: 0.086 ng

RT: 23.771 min Scan# 3041

Delta R.T. -0.006 min

Lab File: BN029452.D

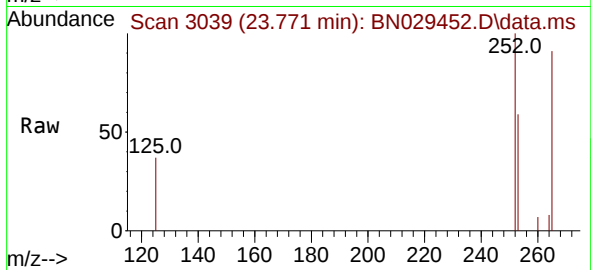
Acq: 31 Jan 2024 16:58

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-03-QT3-2023

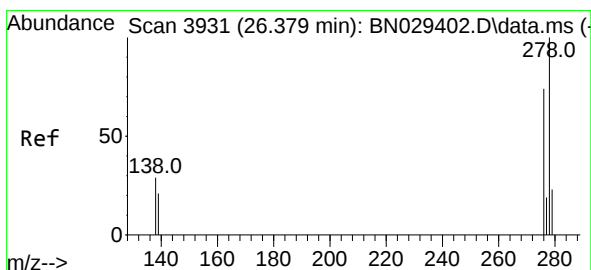
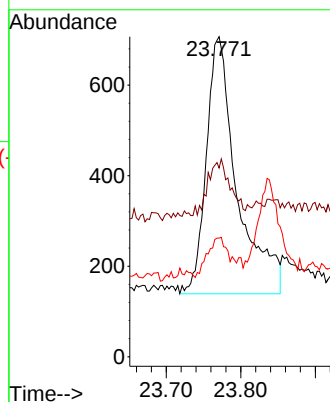


Tgt Ion	Ratio	Lower	Upper
252	100		
253	59.0	24.9	37.3
125	37.1	16.6	25.0

Manual Integrations

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Reviewed By :Jagrut Upadhyay 02/01/2024
Supervised By :Sohil Jodhani 02/02/2024



#40

Dibenzo(a,h)anthracene

Concen: 0.086 ng m

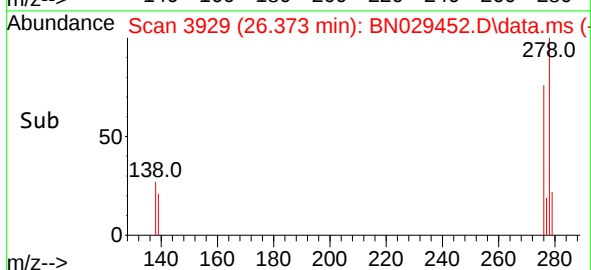
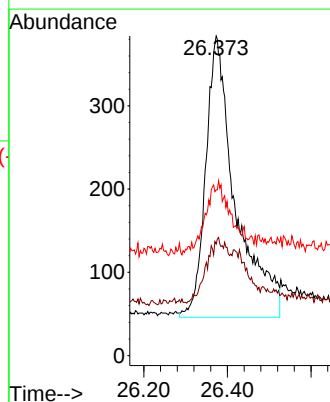
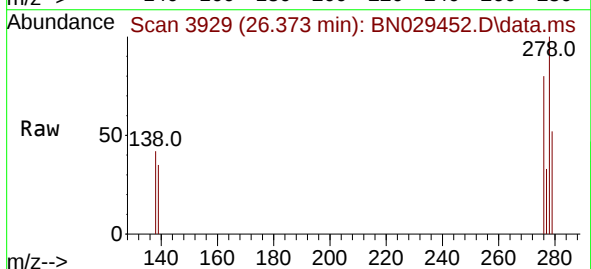
RT: 26.373 min Scan# 3929

Delta R.T. -0.006 min

Lab File: BN029452.D

Acq: 31 Jan 2024 16:58

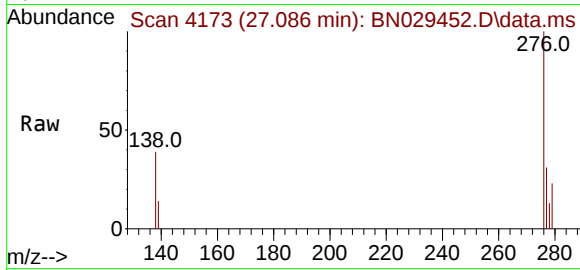
Tgt Ion	Ratio	Lower	Upper
278	100		
139	34.9	20.4	30.6
279	51.8	25.0	37.6





#41
Benzo(g,h,i)perylene
Concen: 0.083 ng
RT: 27.086 min Scan# 41
Delta R.T. -0.018 min
Lab File: BN029452.D
Acq: 31 Jan 2024 16:58

Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-03-QT3-2023



Tgt Ion: 276 Resp: 196

Ion	Ratio	Lower	Upper
276	100		
277	30.7	19.4	29.2
138	38.9	23.5	35.3

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 02/01/2024
Supervised By :Sohil Jodhani 02/02/2024

