

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN022223\
 Data File : BN024085.D
 Acq On : 22 Feb 2023 11:41
 Operator : CG/JU
 Sample : 01378-04
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 MDL-SOIL-QT1-2023-02

Quant Time: Feb 23 02:34:55 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN013023.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 17 14:45:13 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 02/24/2023
 Supervised By :mohammad ahmed 02/24/2023

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.825	152	4704	0.400	ng/ul	0.00
4) Naphthalene-d8	10.634	136	12357	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.479	164	6830	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.234	188	13750	0.400	ng/ul	# 0.00
17) Chrysene-d12	21.428	240	9708	0.400	ng/ul	# 0.00
23) Perylene-d12	23.810	264	7785	0.400	ng/ul	# 0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.227	96	2545	0.505	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.228	152	5790	0.299	ng/ul	0.00
18) Fluoranthene-d10	19.262	212	11612	0.445	ng/ul	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.264	88	468m	0.088	ng/ul	
5) Naphthalene	10.683	128	2061	0.061	ng/ul	95
7) 2-Methylnaphthalene	12.300	142	1284	0.058	ng/ul	99
8) 1-Methylnaphthalene	12.520	142	1892	0.084	ng/ul	99
10) Acenaphthylene	14.201	152	1520	0.058	ng/ul#	92
11) Acenaphthene	14.543	153	1435	0.062	ng/ul	95
12) Fluorene	15.533	166	1548	0.056	ng/ul#	93
14) Pentachlorophenol	16.888	266	427	0.094	ng/ul	99
15) Phenanthrene	17.272	178	2503	0.061	ng/ul#	91
16) Anthracene	17.369	178	1864	0.054	ng/ul#	90
19) Fluoranthene	19.295	202	2703	0.084	ng/ul#	92
20) Pyrene	19.657	202	2652	0.079	ng/ul#	89
21) Benzo(a)anthracene	21.410	228	1914	0.058	ng/ul	96
22) Chrysene	21.463	228	2250	0.065	ng/ul	95
24) Benzo(b)fluoranthene	23.088	252	2519	0.073	ng/ul#	56
25) Benzo(k)fluoranthene	23.132	252	2256	0.067	ng/ul#	57
26) Benzo(a)pyrene	23.710	252	2160	0.075	ng/ul#	20
27) Indeno(1,2,3-cd)pyrene	26.280	276	2506	0.062	ng/ul#	55
28) Dibenzo(a,h)anthracene	26.304	278	1901	0.059	ng/ul#	63
29) Benzo(g,h,i)perylene	27.055	276	2158	0.065	ng/ul#	83

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

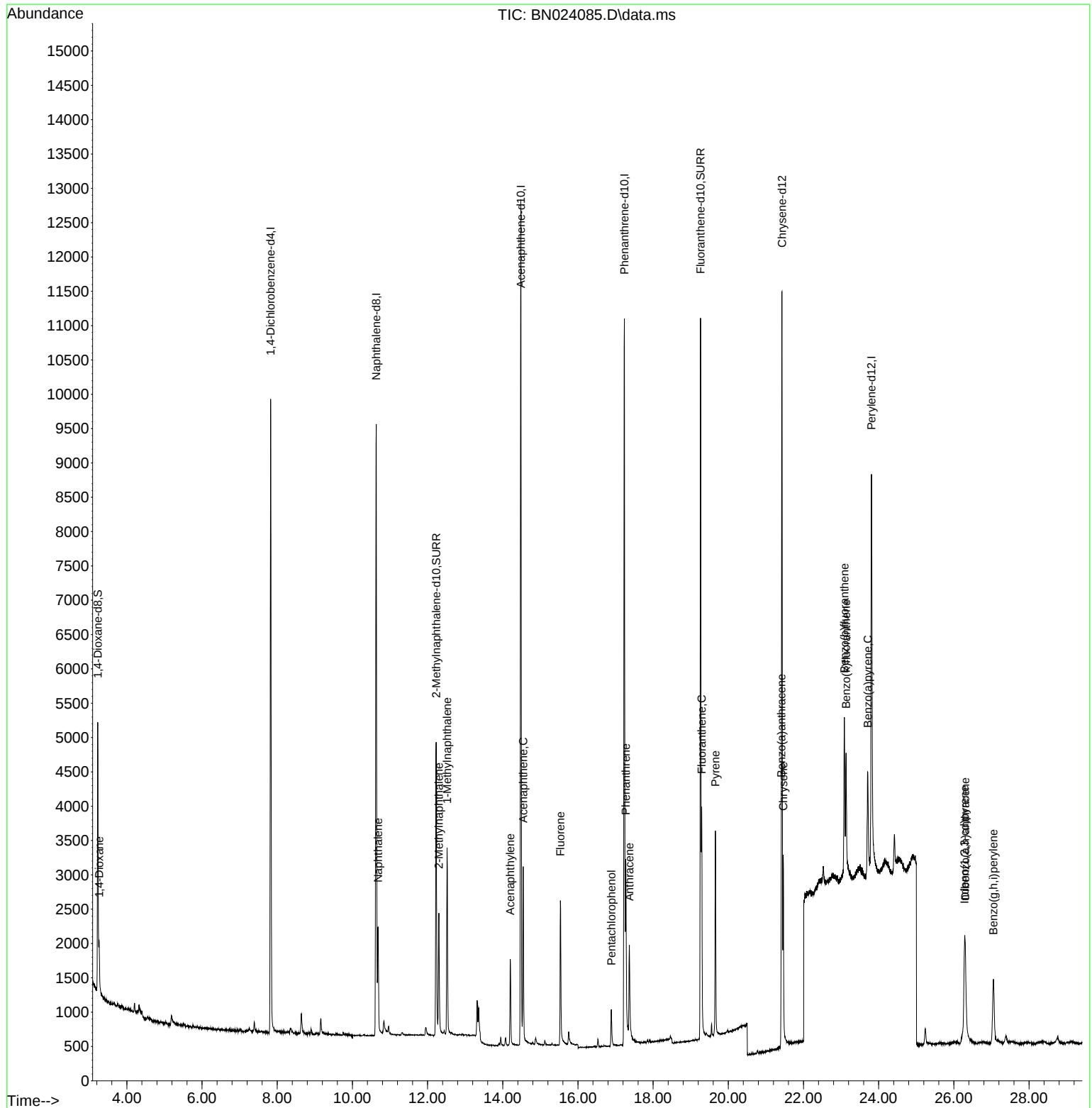
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN022223\
Data File : BN024085.D
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ALS Vial : 5 Sample Multiplier: 1

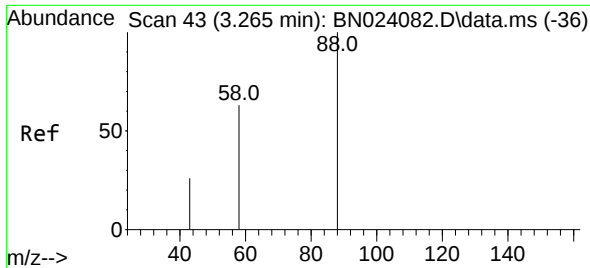
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-QT1-2023-02

Quant Time: Feb 23 02:34:55 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN013023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 17 14:45:13 2023
Response via : Initial Calibration

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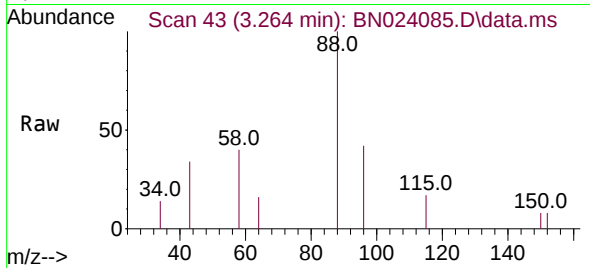
Reviewed By :Jagrut Upadhyay 02/24/2023
Supervised By :mohammad ahmed 02/24/2023





#2
1,4-Dioxane
Concen: 0.088 ng/ul m
RT: 3.264 min Scan# 43
Delta R.T. -0.000 min
Lab File: BN024085.D
Acq: 22 Feb 2023 11:41

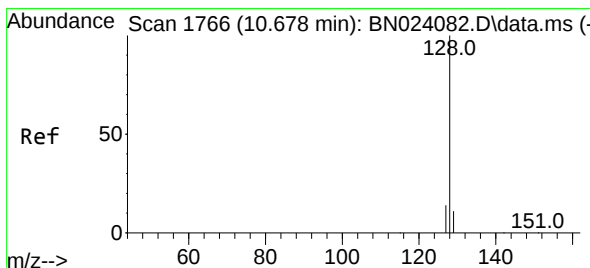
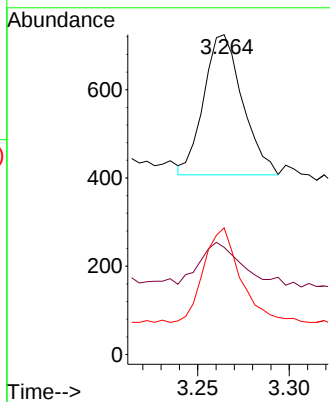
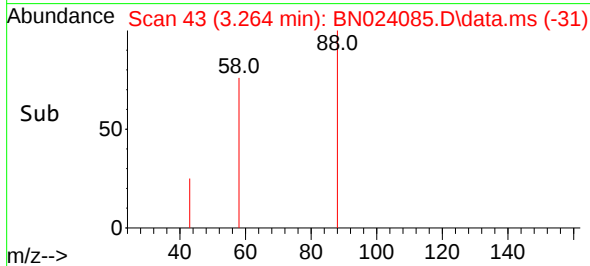
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-QT1-2023-02



Tgt Ion: 88 Resp: 468
Ion Ratio Lower Upper
88 100
43 33.5 41.9 62.9
58 39.6 45.6 68.4

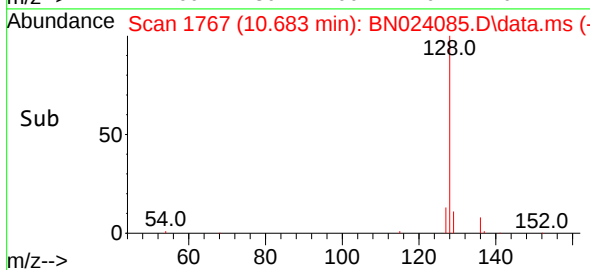
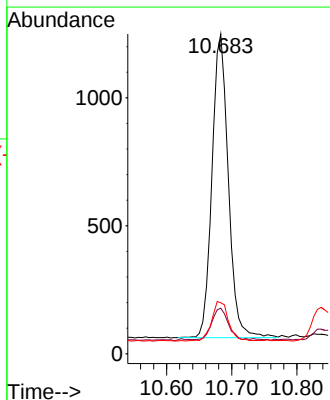
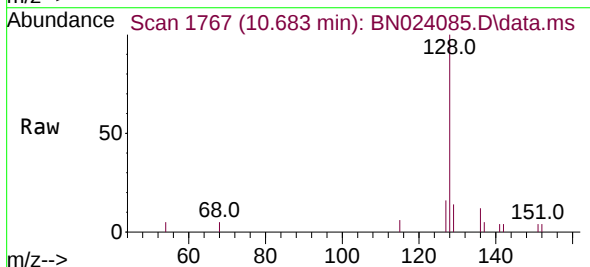
Manual Integrations
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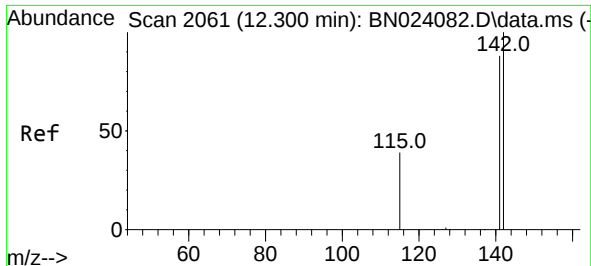
Reviewed By :Jagrut Upadhyay 02/24/2023
Supervised By :mohammad ahmed 02/24/2023



#5
Naphthalene
Concen: 0.061 ng/ul
RT: 10.683 min Scan# 1767
Delta R.T. -0.006 min
Lab File: BN024085.D
Acq: 22 Feb 2023 11:41

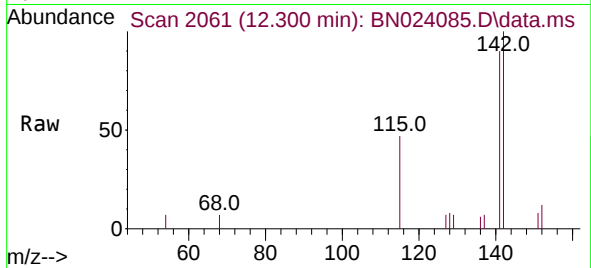
Tgt Ion:128 Resp: 2061
Ion Ratio Lower Upper
128 100
129 14.2 9.7 14.5
127 15.9 11.1 16.7





#7
2-Methylnaphthalene
Concen: 0.058 ng/ul
RT: 12.300 min Scan# 2061
Delta R.T. -0.006 min
Lab File: BN024085.D
Acq: 22 Feb 2023 11:41

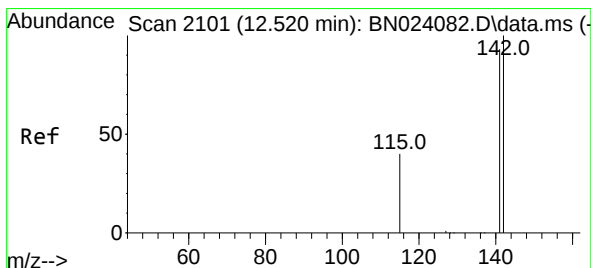
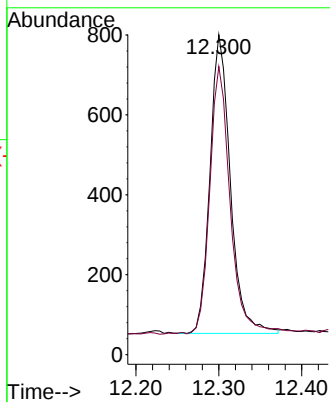
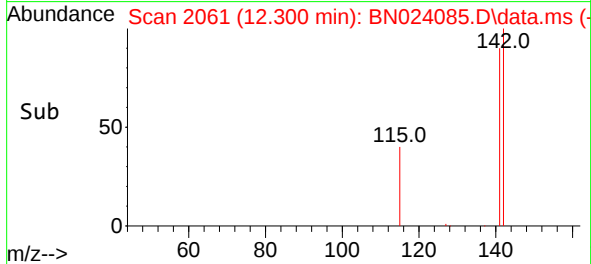
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-QT1-2023-02



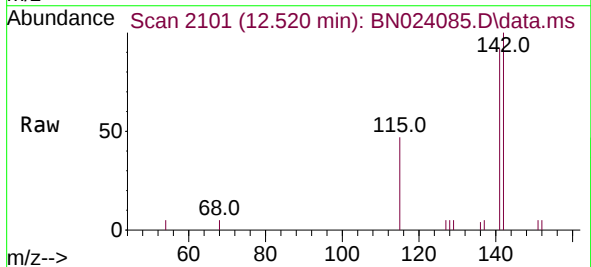
Tgt Ion:142 Resp: 1284
Ion Ratio Lower Upper
142 100
141 90.2 71.6 107.4

Manual Integrations
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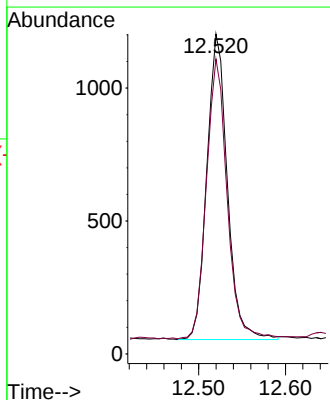
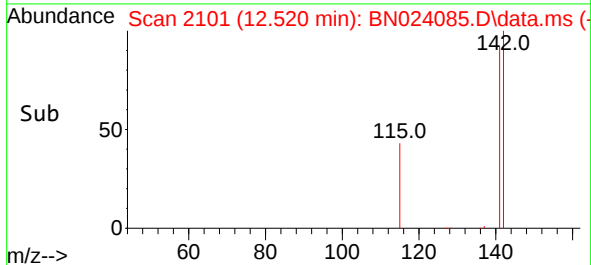
Reviewed By :Jagrut Upadhyay 02/24/2023
Supervised By :mohammad ahmed 02/24/2023

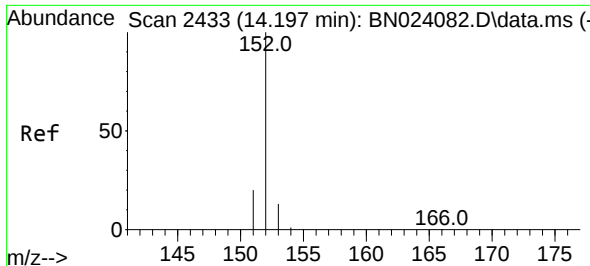


#8
1-Methylnaphthalene
Concen: 0.084 ng/ul
RT: 12.520 min Scan# 2101
Delta R.T. -0.006 min
Lab File: BN024085.D
Acq: 22 Feb 2023 11:41



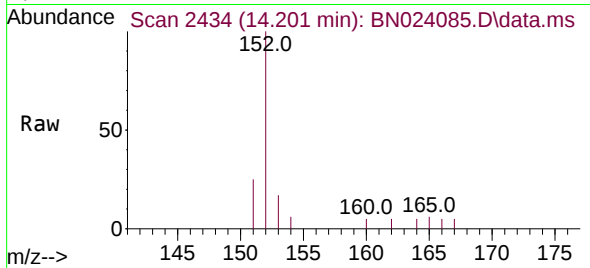
Tgt Ion:142 Resp: 1892
Ion Ratio Lower Upper
142 100
141 91.8 74.1 111.1





#10
Acenaphthylene
Concen: 0.058 ng/ul
RT: 14.201 min Scan# 2433
Delta R.T. -0.009 min
Lab File: BN024085.D
Acq: 22 Feb 2023 11:41

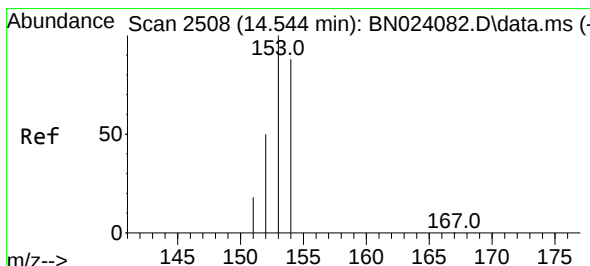
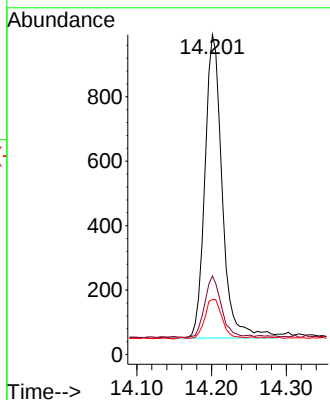
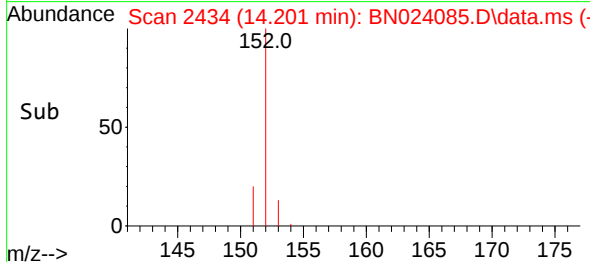
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-QT1-2023-02



Tgt Ion:152 Resp: 1520
Ion Ratio Lower Upper
152 100
151 24.6 17.0 25.4
153 17.2 11.1 16.7

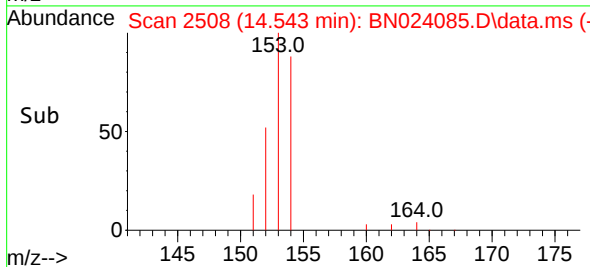
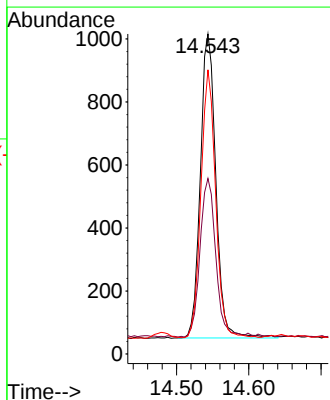
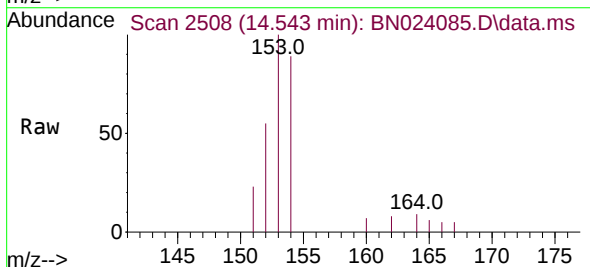
Manual Integrations
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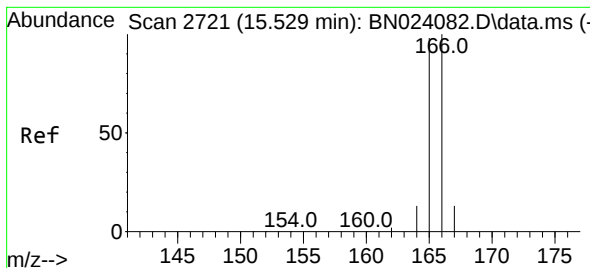
Reviewed By :Jagrut Upadhyay 02/24/2023
Supervised By :mohammad ahmed 02/24/2023



#11
Acenaphthene
Concen: 0.062 ng/ul
RT: 14.543 min Scan# 2508
Delta R.T. -0.005 min
Lab File: BN024085.D
Acq: 22 Feb 2023 11:41

Tgt Ion:153 Resp: 1435
Ion Ratio Lower Upper
153 100
152 54.8 39.6 59.4
154 88.8 68.8 103.2





#12

Fluorene

Concen: 0.056 ng/ul

RT: 15.533 min Scan# 2721

Delta R.T. -0.005 min

Lab File: BN024085.D

Acq: 22 Feb 2023 11:41

Instrument :

BNA_N

ClientSampleId :

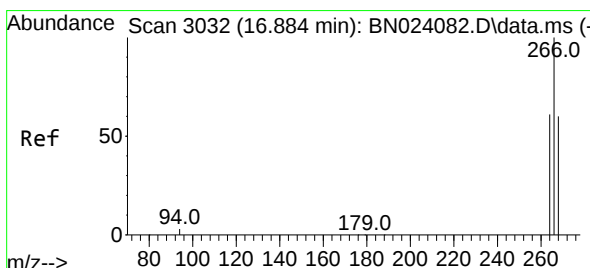
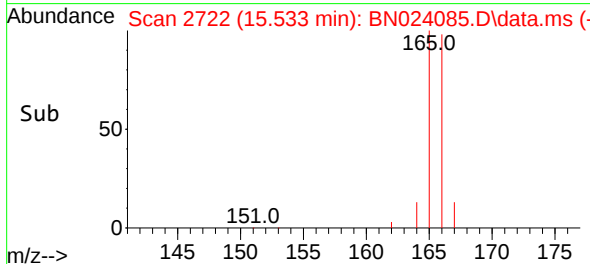
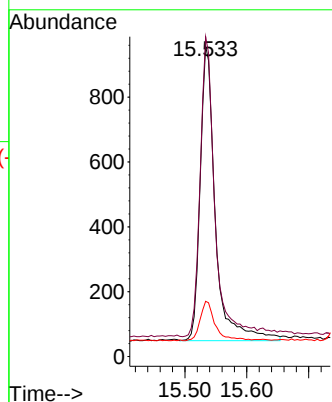
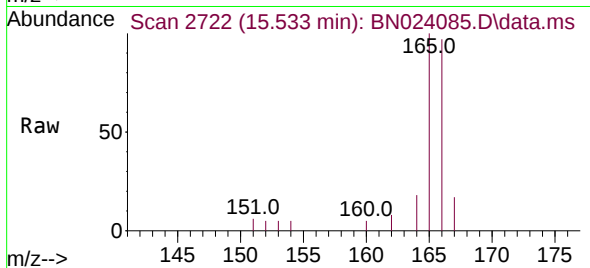
MDL-SOIL-QT1-2023-02

Tgt Ion:	166	Resp:	1548
Ion Ratio	Lower	Upper	
166	100		
165	103.0	77.4	116.2
167	17.7	11.4	17.0

Manual Integrations

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Reviewed By :Jagrut Upadhyay 02/24/2023
Supervised By :mohammad ahmed 02/24/2023



#14

Pentachlorophenol

Concen: 0.094 ng/ul

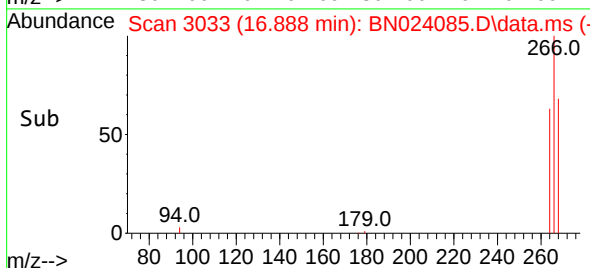
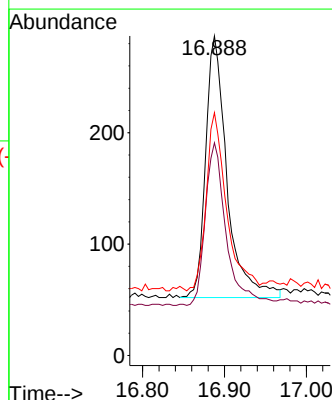
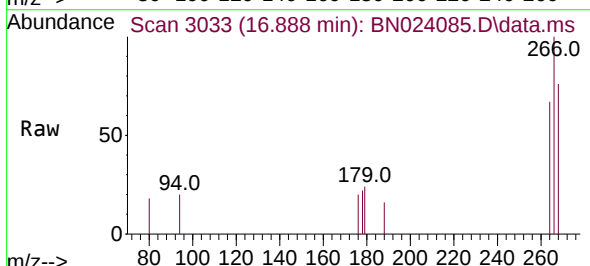
RT: 16.888 min Scan# 3033

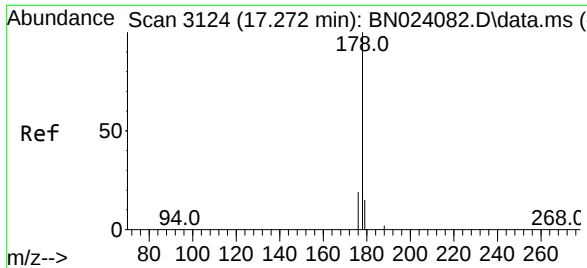
Delta R.T. -0.004 min

Lab File: BN024085.D

Acq: 22 Feb 2023 11:41

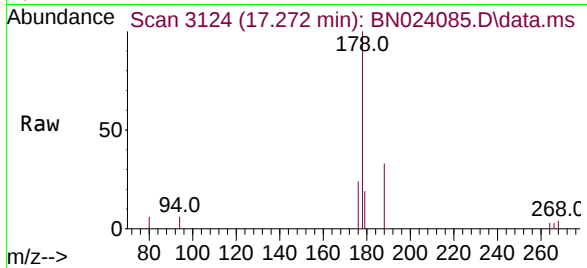
Tgt Ion:	266	Resp:	427
Ion Ratio	Lower	Upper	
266	100		
264	61.1	49.4	74.0
268	65.3	52.0	78.0





#15
Phenanthrene
Concen: 0.061 ng/ul
RT: 17.272 min Scan# 3124
Delta R.T. -0.009 min
Lab File: BN024085.D
Acq: 22 Feb 2023 11:41

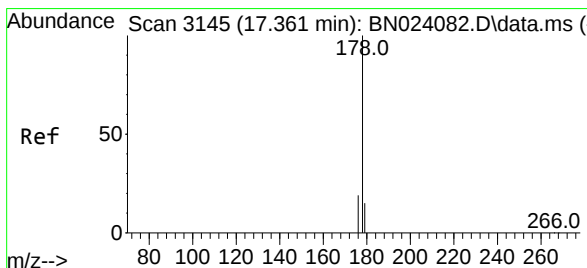
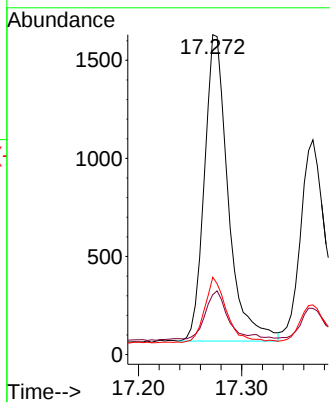
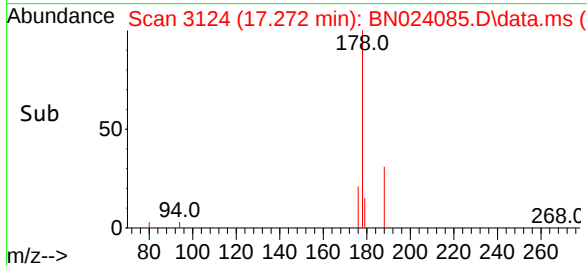
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-QT1-2023-02



Tgt Ion:178 Resp: 2503
Ion Ratio Lower Upper
178 100
179 18.7 12.6 19.0
176 24.2 15.7 23.5

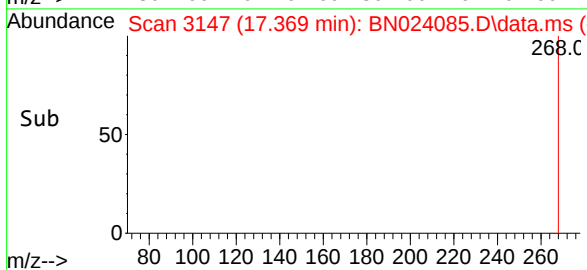
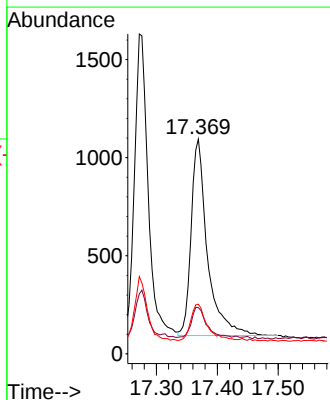
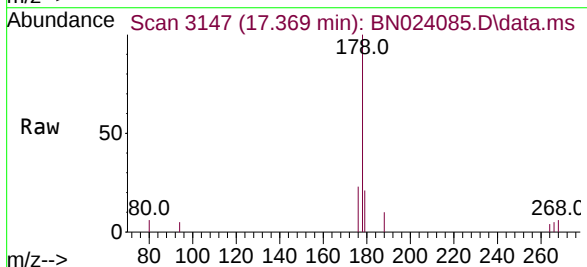
Manual Integrations
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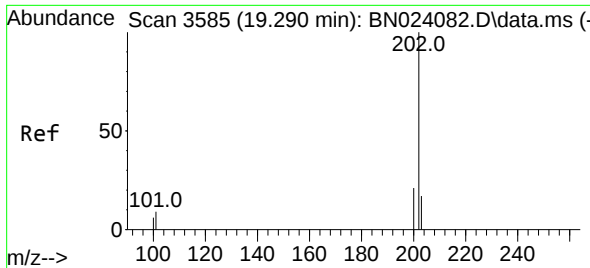
Reviewed By :Jagrut Upadhyay 02/24/2023
Supervised By :mohammad ahmed 02/24/2023



#16
Anthracene
Concen: 0.054 ng/ul
RT: 17.369 min Scan# 3147
Delta R.T. -0.000 min
Lab File: BN024085.D
Acq: 22 Feb 2023 11:41

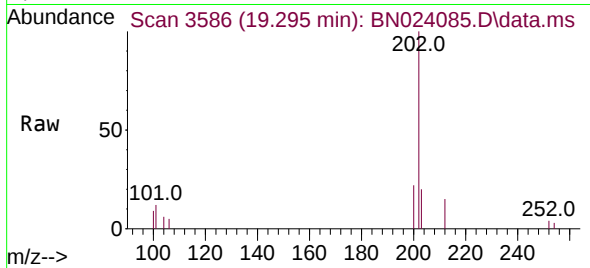
Tgt Ion:178 Resp: 1864
Ion Ratio Lower Upper
178 100
179 21.5 13.4 20.0#
176 23.1 15.4 23.2





#19
Fluoranthene
Concen: 0.084 ng/ul
RT: 19.295 min Scan# 3586
Delta R.T. -0.005 min
Lab File: BN024085.D
Acq: 22 Feb 2023 11:41

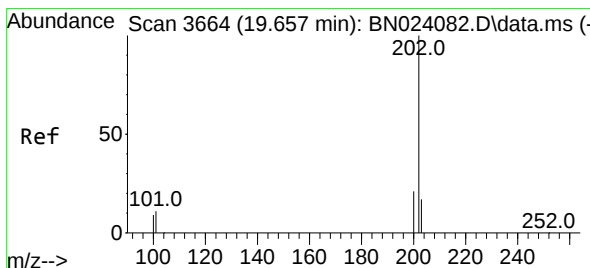
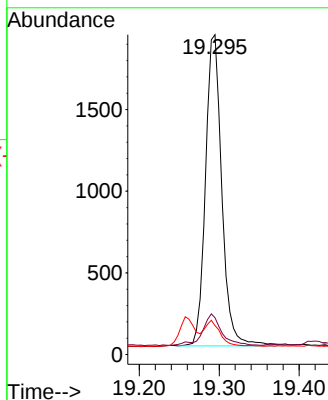
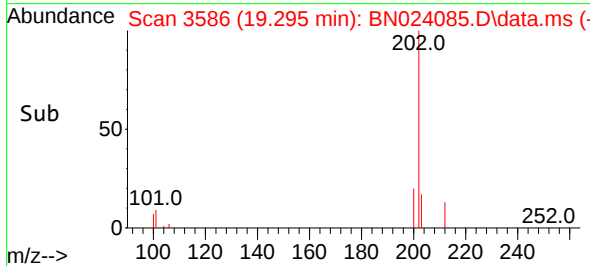
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-QT1-2023-02



Tgt Ion:202 Resp: 2703
Ion Ratio Lower Upper
202 100
101 11.5 6.8 10.2#
100 9.1 5.2 7.8#

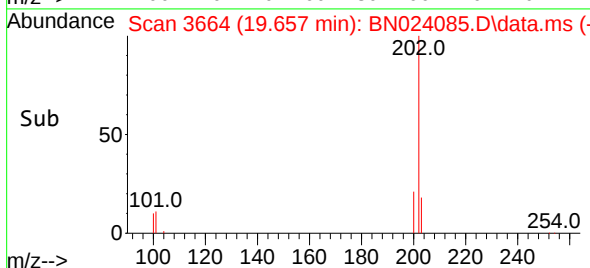
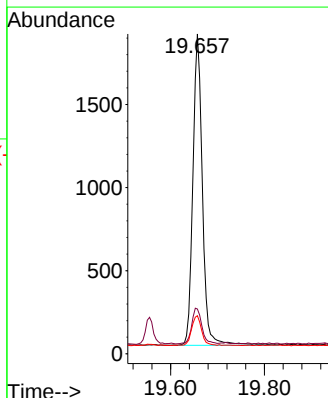
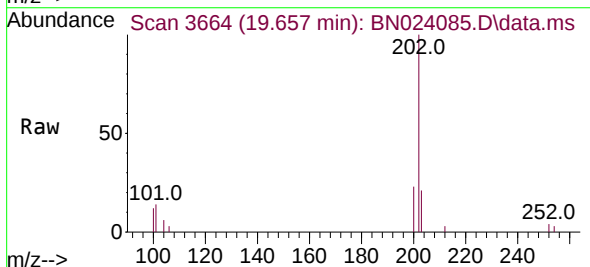
Manual Integrations
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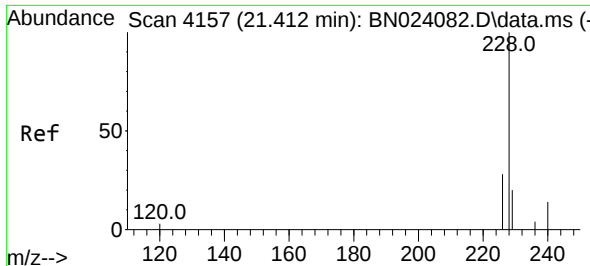
Reviewed By :Jagrut Upadhyay 02/24/2023
Supervised By :mohammad ahmed 02/24/2023



#20
Pyrene
Concen: 0.079 ng/ul
RT: 19.657 min Scan# 3664
Delta R.T. -0.005 min
Lab File: BN024085.D
Acq: 22 Feb 2023 11:41

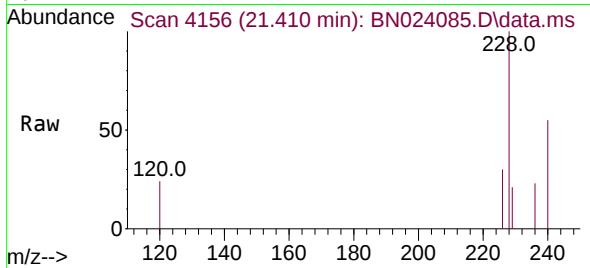
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Ion Ratio Lower Upper
202 100
101 14.0 8.1 12.1#
100 11.9 6.2 9.4#





#21
Benzo(a)anthracene
Concen: 0.058 ng/ul
RT: 21.410 min Scan# 4157
Delta R.T. -0.001 min
Lab File: BN024085.D
Acq: 22 Feb 2023 11:41

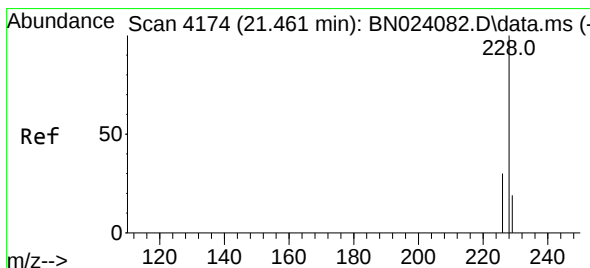
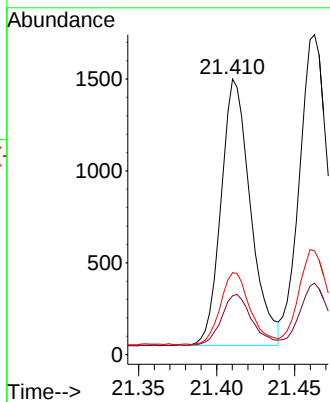
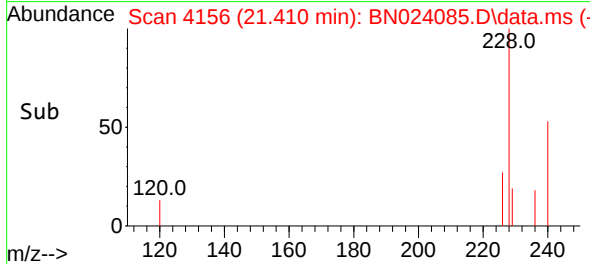
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-QT1-2023-02



Tgt Ion:228 Resp: 1914
Ion Ratio Lower Upper
228 100
229 21.3 15.8 23.8
226 29.8 22.0 33.0

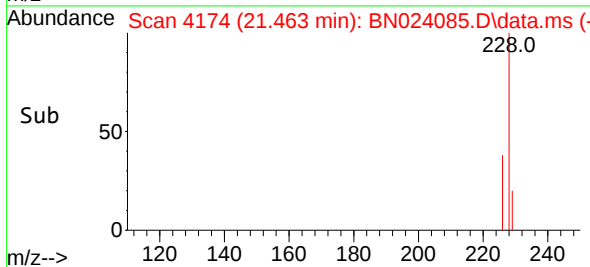
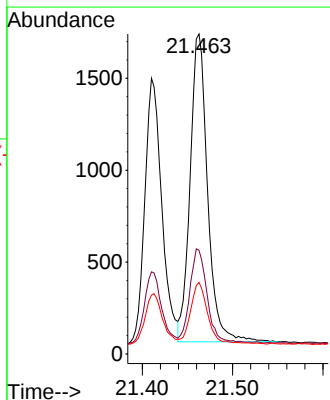
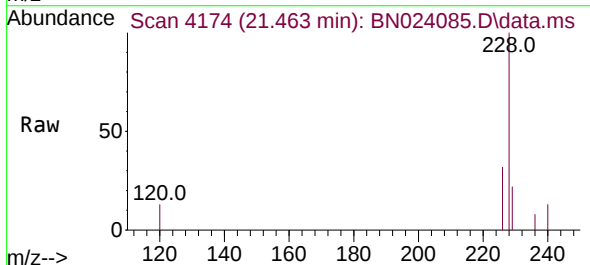
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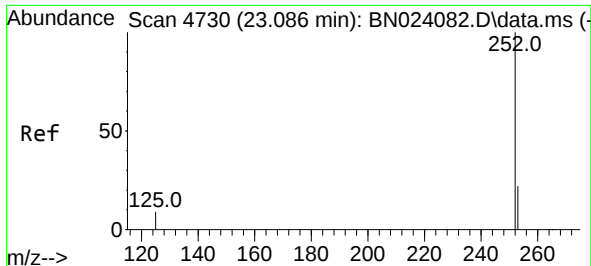
Reviewed By :Jagrut Upadhyay 02/24/2023
Supervised By :mohammad ahmed 02/24/2023



#22
Chrysene
Concen: 0.065 ng/ul
RT: 21.463 min Scan# 4174
Delta R.T. -0.004 min
Lab File: BN024085.D
Acq: 22 Feb 2023 11:41

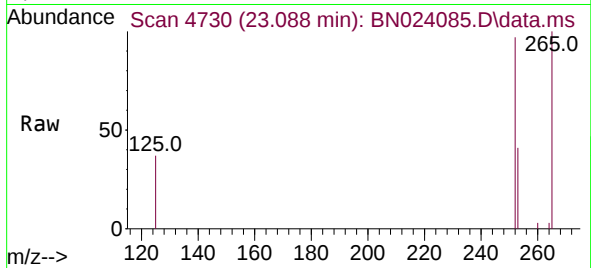
Tgt Ion:228 Resp: 2250
Ion Ratio Lower Upper
228 100
226 32.4 24.2 36.2
229 22.3 15.5 23.3





#24
Benzo(b)fluoranthene
Concen: 0.073 ng/ul
RT: 23.088 min Scan# 4730
Delta R.T. -0.004 min
Lab File: BN024085.D
Acq: 22 Feb 2023 11:41

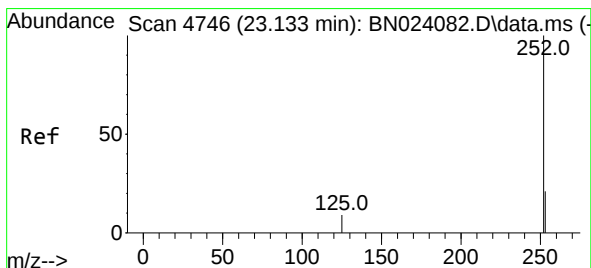
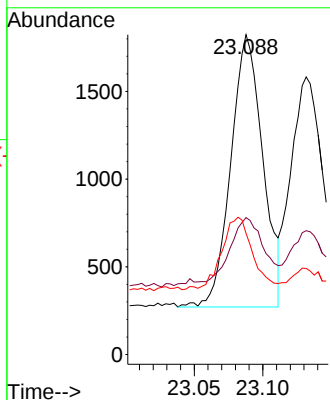
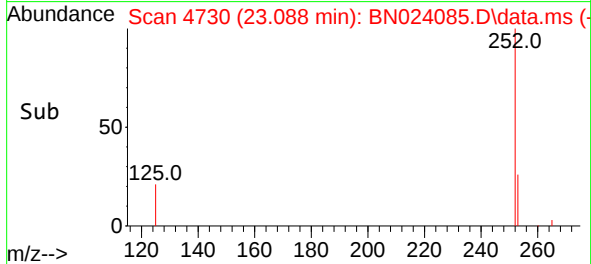
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-QT1-2023-02



Tgt Ion:252 Resp: 2519
Ion Ratio Lower Upper
252 100
253 42.8 0.0 51.8
125 37.9 0.0 23.6

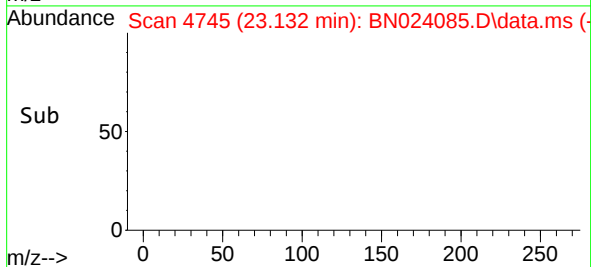
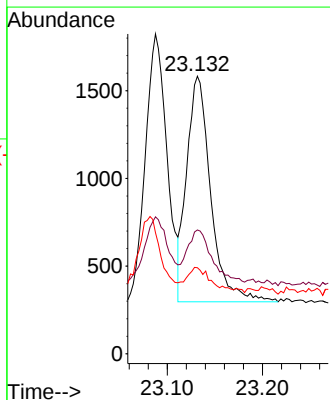
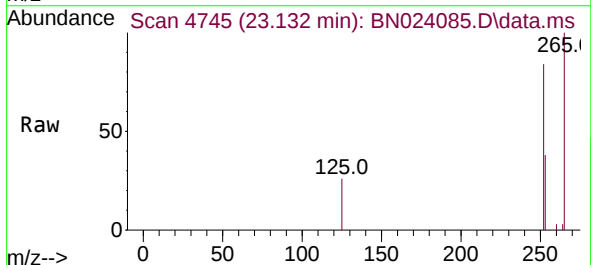
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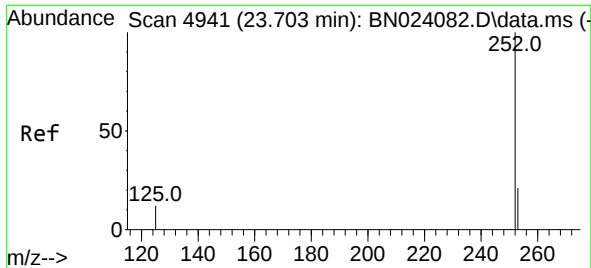
Reviewed By :Jagrut Upadhyay 02/24/2023
Supervised By :mohammad ahmed 02/24/2023



#25
Benzo(k)fluoranthene
Concen: 0.067 ng/ul
RT: 23.132 min Scan# 4745
Delta R.T. -0.007 min
Lab File: BN024085.D
Acq: 22 Feb 2023 11:41

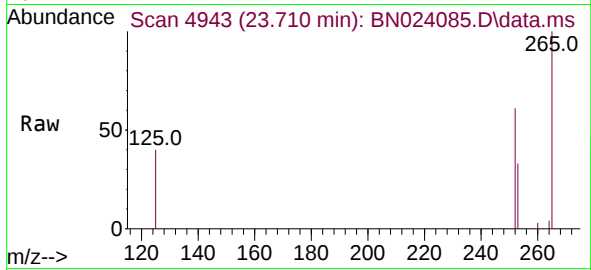
Tgt Ion:252 Resp: 2256
Ion Ratio Lower Upper
252 100
253 44.6 20.2 30.2#
125 31.0 9.0 13.4#





#26
Benzo(a)pyrene
Concen: 0.075 ng/ul
RT: 23.710 min Scan# 4941
Delta R.T. 0.005 min
Lab File: BN024085.D
Acq: 22 Feb 2023 11:41

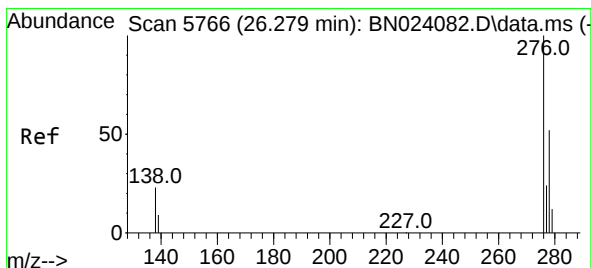
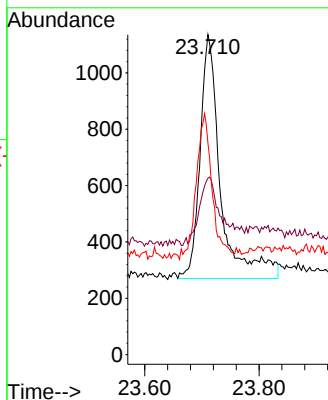
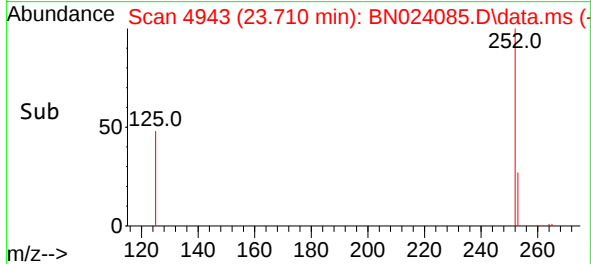
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-QT1-2023-02



Tgt Ion:252 Resp: 2160
Ion Ratio Lower Upper
252 100
253 55.1 21.5 32.3#
125 66.0 11.2 16.8#

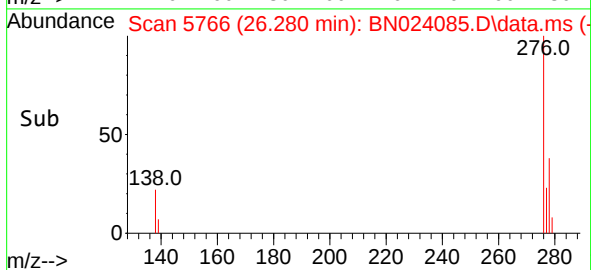
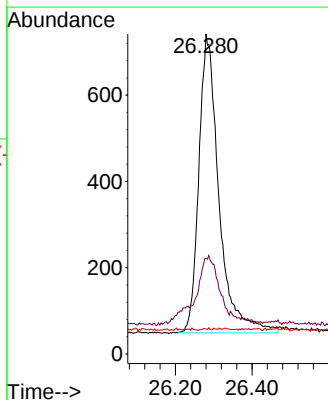
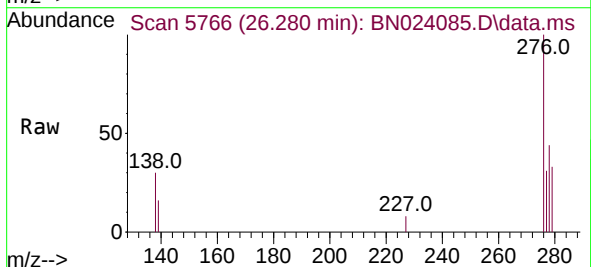
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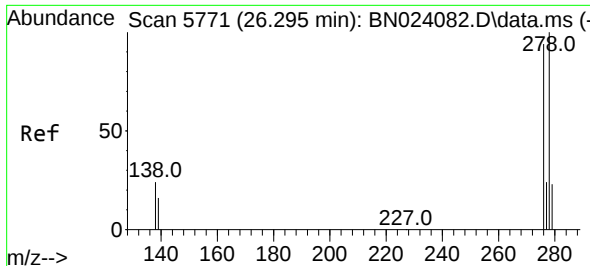
Reviewed By :Jagrut Upadhyay 02/24/2023
Supervised By :mohammad ahmed 02/24/2023



#27
Indeno(1,2,3-cd)pyrene
Concen: 0.062 ng/ul
RT: 26.280 min Scan# 5766
Delta R.T. -0.012 min
Lab File: BN024085.D
Acq: 22 Feb 2023 11:41

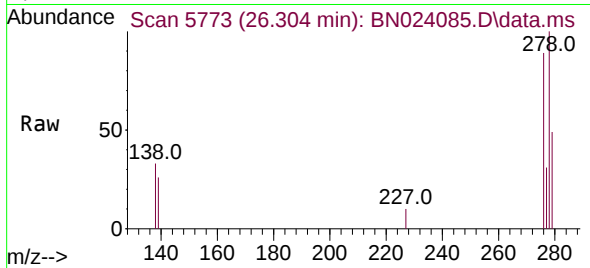
Tgt Ion:276 Resp: 2506
Ion Ratio Lower Upper
276 100
138 0.0 17.0 25.6#
227 0.2 0.2 0.4#





#28
Dibenzo(a,h)anthracene
Concen: 0.059 ng/ul
RT: 26.304 min Scan# 5773
Delta R.T. -0.005 min
Lab File: BN024085.D
Acq: 22 Feb 2023 11:41

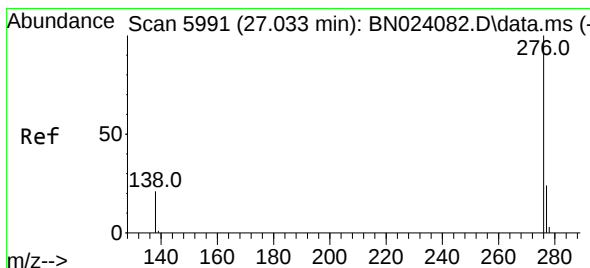
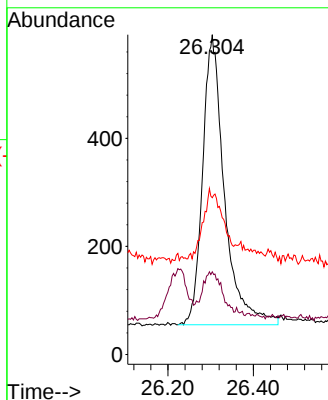
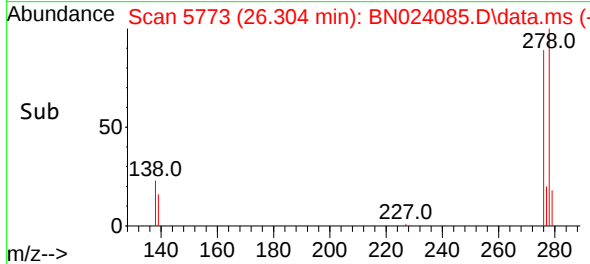
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-QT1-2023-02



Tgt Ion:278 Resp: 190
Ion Ratio Lower Upper
278 100
139 25.8 12.3 18.5
279 49.0 21.4 32.0

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Reviewed By :Jagrut Upadhyay 02/24/2023
Supervised By :mohammad ahmed 02/24/2023



#29
Benzo(g,h,i)perylene
Concen: 0.065 ng/ul
RT: 27.055 min Scan# 5997
Delta R.T. 0.008 min
Lab File: BN024085.D
Acq: 22 Feb 2023 11:41

Tgt Ion:276 Resp: 2158
Ion Ratio Lower Upper
276 100
138 28.3 15.3 22.9#
277 31.9 19.9 29.9#

