

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN091424\
 Data File : BN033916.D
 Acq On : 14 Sep 2024 15:42
 Operator : JU/RC
 Sample : P3391-03
 Misc : SFAM-SIM-MDL-Q3-SOIL-01
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 MDL-SOIL-QT3-2024-05

Quant Time: Sep 15 01:58:51 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN082724.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sun Sep 15 01:52:43 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 09/16/2024
 Supervised By :mohammad ahmed 09/17/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.489	152	3729	0.400	ng/ul	0.00
4) Naphthalene-d8	10.244	136	10214	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.133	164	5174	0.400	ng/ul	0.00
13) Phenanthrene-d10	16.885	188	10772	0.400	ng/ul	0.00
17) Chrysene-d12	21.103	240	9037	0.400	ng/ul	0.00
23) Perylene-d12	23.245	264	10473	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.105	96	2212	0.577	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.845	152	5614	0.383	ng/ul	0.00
18) Fluoranthene-d10	18.924	212	10533	0.391	ng/ul	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.135	88	460m	0.108	ng/ul	
5) Naphthalene	10.294	128	2013	0.074	ng/ul#	91
7) 2-Methylnaphthalene	11.922	142	1205	0.070	ng/ul	97
8) 1-Methylnaphthalene	12.142	142	1207	0.068	ng/ul	98
10) Acenaphthylene	13.846	152	1639	0.070	ng/ul#	92
11) Acenaphthene	14.193	153	1264	0.075	ng/ul	95
12) Fluorene	15.192	166	1321	0.070	ng/ul#	97
14) Pentachlorophenol	16.547	266	158	0.047	ng/ul	97
15) Phenanthrene	16.927	178	2030	0.064	ng/ul#	91
16) Anthracene	17.020	178	1675	0.059	ng/ul#	89
19) Fluoranthene	18.957	202	2314	0.065	ng/ul#	92
20) Pyrene	19.324	202	2380	0.063	ng/ul	96
21) Benzo(a)anthracene	21.089	228	2075	0.058	ng/ul	94
22) Chrysene	21.138	228	2560	0.071	ng/ul	95
24) Benzo(b)fluoranthene	22.614	252	2497	0.061	ng/ul#	49
25) Benzo(k)fluoranthene	22.658	252	2831	0.070	ng/ul#	48
26) Benzo(a)pyrene	23.155	252	2301	0.070	ng/ul#	35
27) Indeno(1,2,3-cd)pyrene	25.371	276	3038	0.062	ng/ul#	92
28) Dibenzo(a,h)anthracene	25.388	278	2339	0.061	ng/ul#	55
29) Benzo(g,h,i)perylene	26.012	276	2626	0.069	ng/ul#	85

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

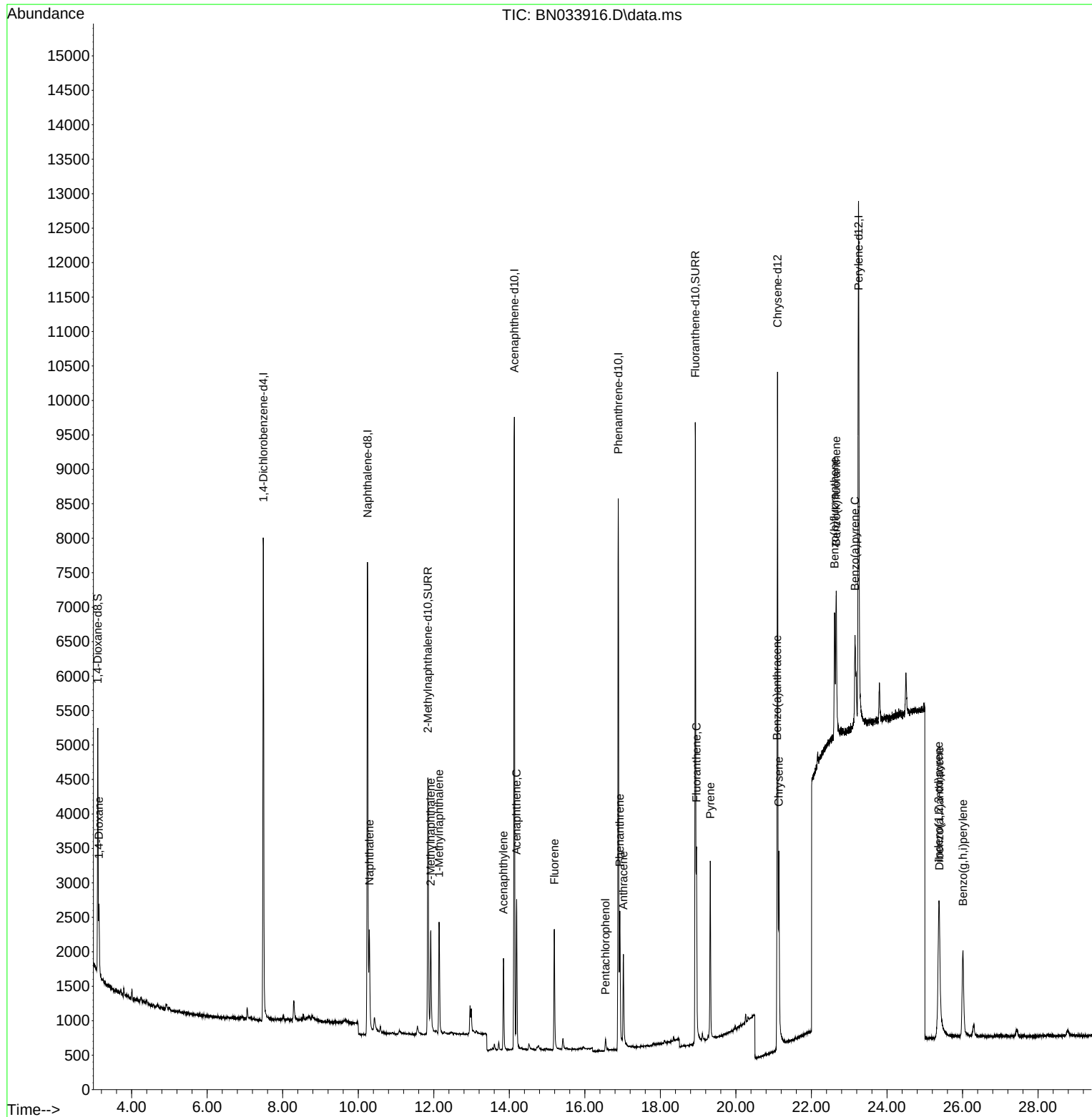
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN091424\
Data File : BN033916.D
Acq On : 14 Sep 2024 15:42
Operator : JU/RC
Sample : P3391-03
Misc : SFAM-SIM-MDL-Q3-SOIL-01
ALS Vial : 5 Sample Multiplier: 1

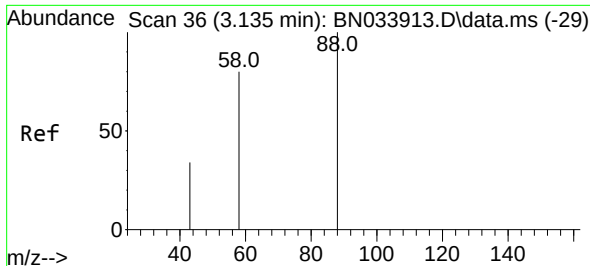
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-QT3-2024-05

Quant Time: Sep 15 01:58:51 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN082724.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Sep 15 01:52:43 2024
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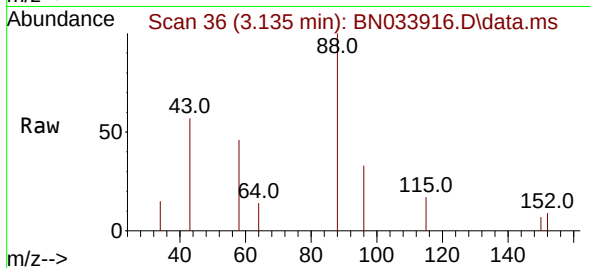
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024





#2
1,4-Dioxane
Concen: 0.108 ng/ul m
RT: 3.135 min Scan# 36
Delta R.T. -0.000 min
Lab File: BN033916.D
Acq: 14 Sep 2024 15:42

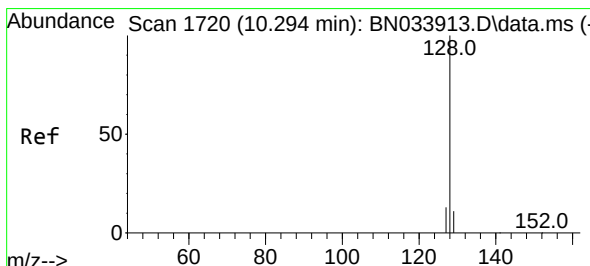
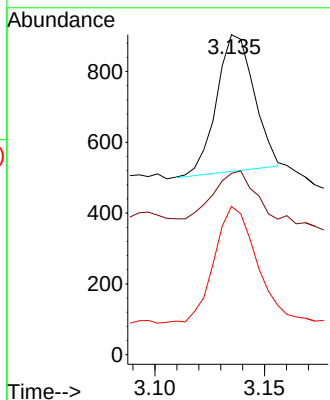
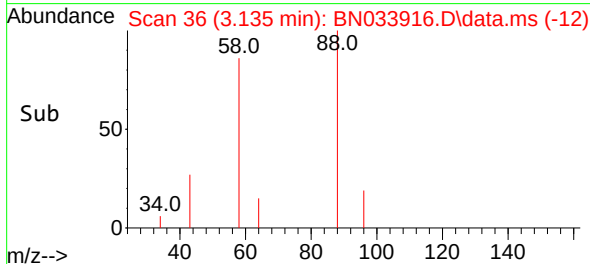
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-QT3-2024-05



Tgt Ion: 88 Resp: 460
Ion Ratio Lower Upper
88 100
43 56.6 47.0 70.4
58 46.3 53.0 79.4

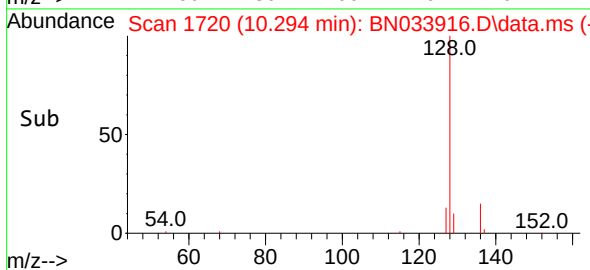
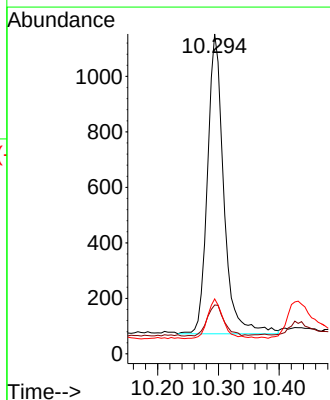
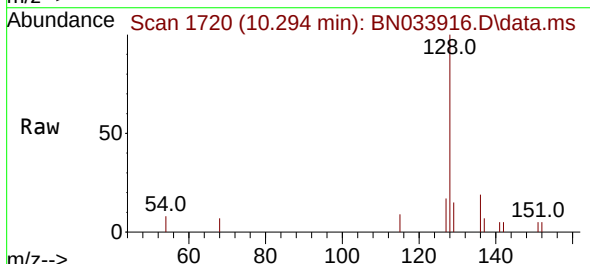
Manual Integrations
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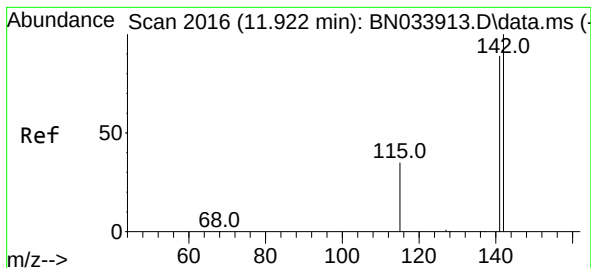
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024



#5
Naphthalene
Concen: 0.074 ng/ul
RT: 10.294 min Scan# 1720
Delta R.T. -0.000 min
Lab File: BN033916.D
Acq: 14 Sep 2024 15:42

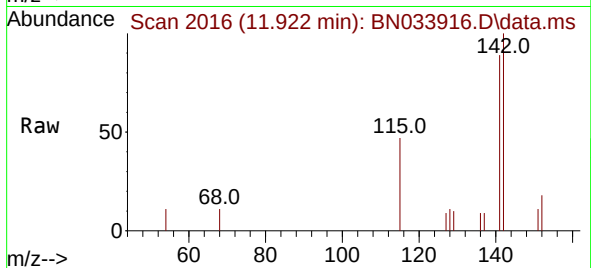
Tgt Ion:128 Resp: 2013
Ion Ratio Lower Upper
128 100
129 15.3 9.3 13.9#
127 17.2 10.8 16.2#





#7
2-Methylnaphthalene
Concen: 0.070 ng/ul
RT: 11.922 min Scan# 2016
Delta R.T. -0.000 min
Lab File: BN033916.D
Acq: 14 Sep 2024 15:42

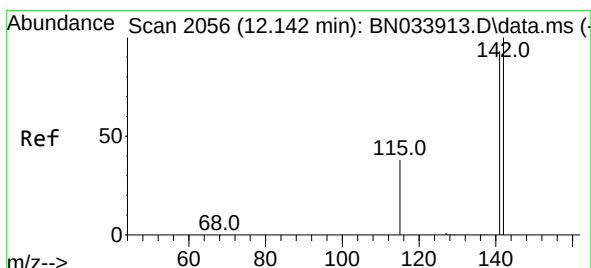
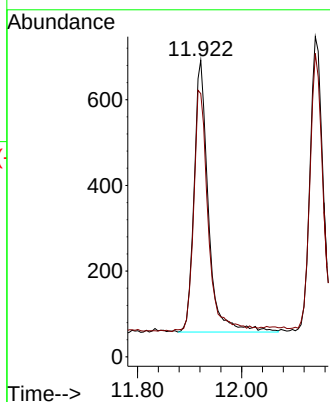
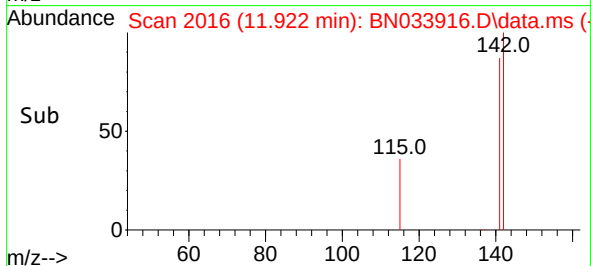
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-QT3-2024-05



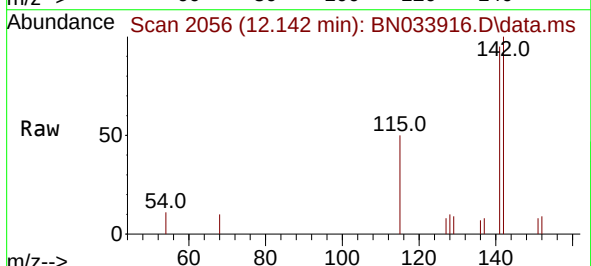
Tgt Ion:142 Resp: 1207
Ion Ratio Lower Upper
142 100
141 91.6 71.1 106.7

Manual Integrations
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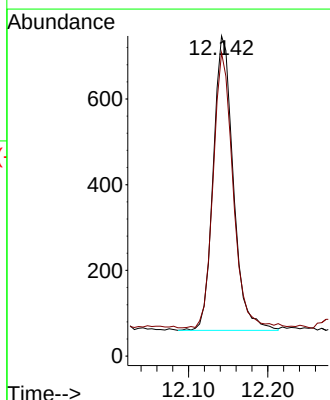
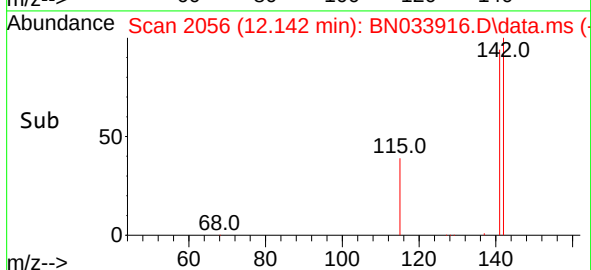
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024

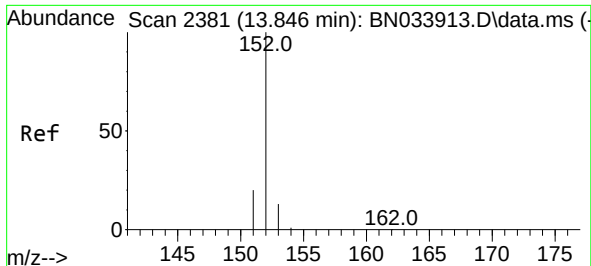


#8
1-Methylnaphthalene
Concen: 0.068 ng/ul
RT: 12.142 min Scan# 2056
Delta R.T. -0.000 min
Lab File: BN033916.D
Acq: 14 Sep 2024 15:42



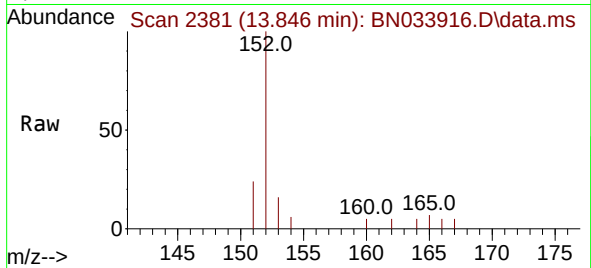
Tgt Ion:142 Resp: 1207
Ion Ratio Lower Upper
142 100
141 93.9 73.6 110.4





#10
Acenaphthylene
Concen: 0.070 ng/ul
RT: 13.846 min Scan# 2381
Delta R.T. -0.000 min
Lab File: BN033916.D
Acq: 14 Sep 2024 15:42

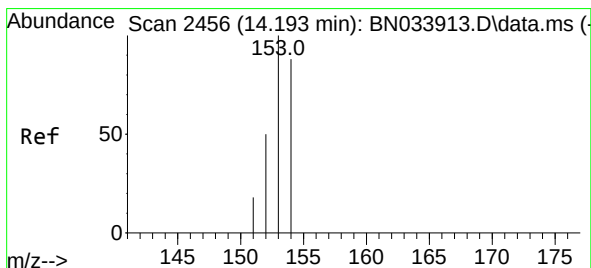
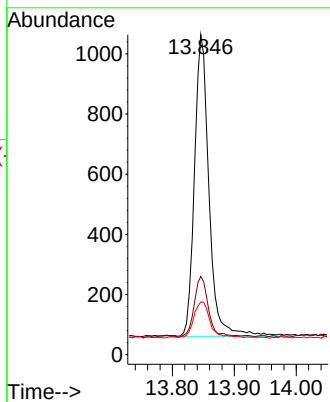
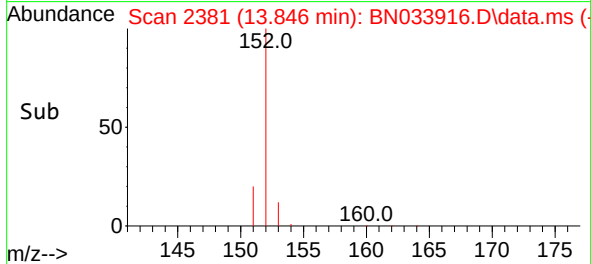
Instrument : BNA_N
ClientSampleId : MDL-SOIL-QT3-2024-05



Tgt Ion:152 Resp: 1639
Ion Ratio Lower Upper
152 100
151 24.4 16.2 24.4
153 16.4 10.8 16.2

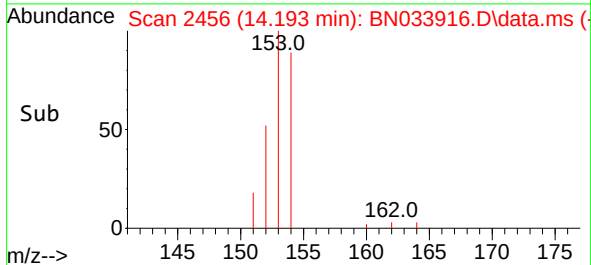
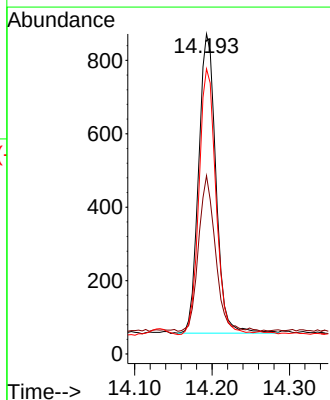
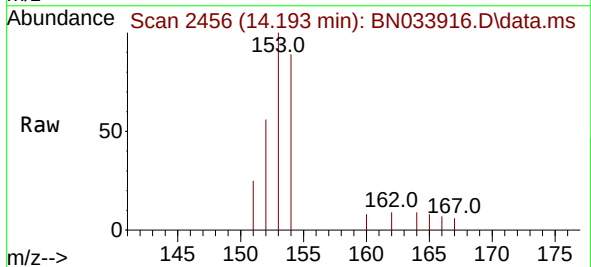
Manual Integrations
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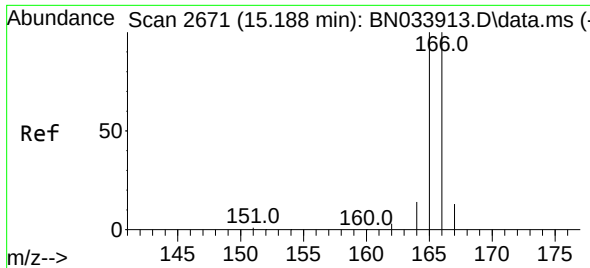
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024



#11
Acenaphthene
Concen: 0.075 ng/ul
RT: 14.193 min Scan# 2456
Delta R.T. -0.000 min
Lab File: BN033916.D
Acq: 14 Sep 2024 15:42

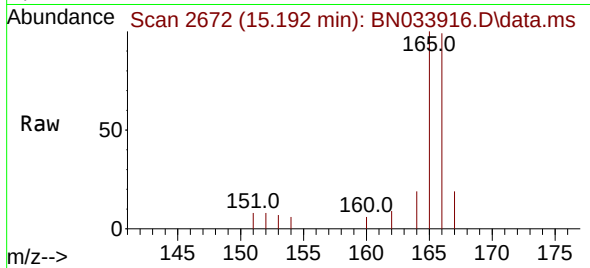
Tgt Ion:153 Resp: 1264
Ion Ratio Lower Upper
153 100
152 55.7 39.8 59.8
154 89.1 69.0 103.6





#12
Fluorene
Concen: 0.070 ng/ul
RT: 15.192 min Scan# 2672
Delta R.T. 0.004 min
Lab File: BN033916.D
Acq: 14 Sep 2024 15:42

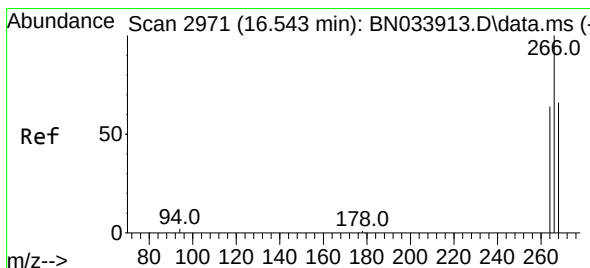
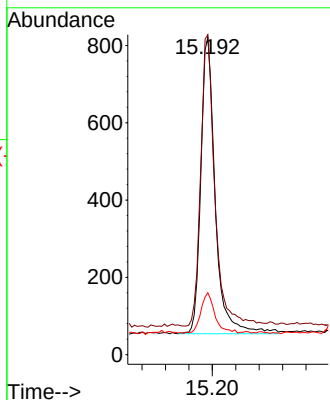
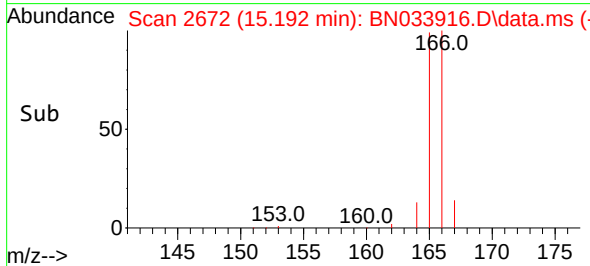
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-QT3-2024-05



Tgt Ion:166 Resp: 132
Ion Ratio Lower Upper
166 100
165 100.9 79.1 118.7
167 19.5 11.4 17.0

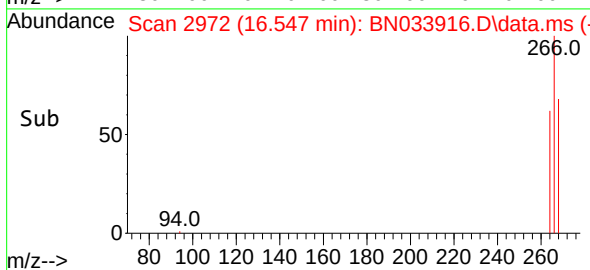
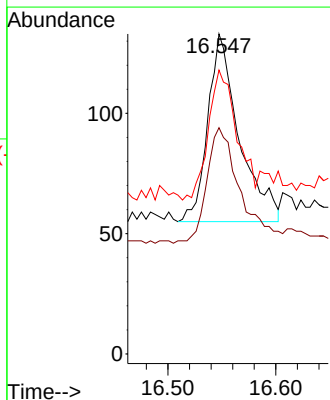
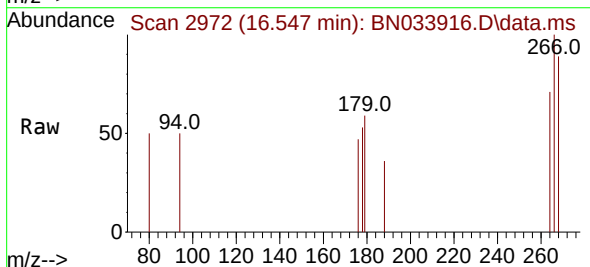
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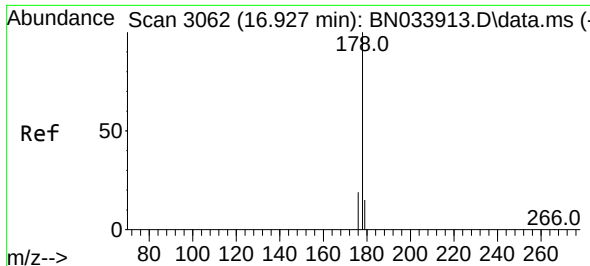
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024



#14
Pentachlorophenol
Concen: 0.047 ng/ul
RT: 16.547 min Scan# 2972
Delta R.T. 0.004 min
Lab File: BN033916.D
Acq: 14 Sep 2024 15:42

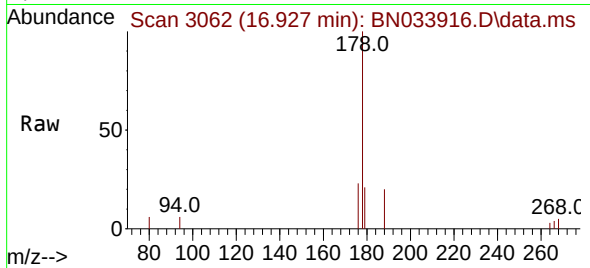
Tgt Ion:266 Resp: 158
Ion Ratio Lower Upper
266 100
264 65.2 50.3 75.5
268 62.7 51.7 77.5





#15
Phenanthrene
Concen: 0.064 ng/u1
RT: 16.927 min Scan# 3062
Delta R.T. -0.000 min
Lab File: BN033916.D
Acq: 14 Sep 2024 15:42

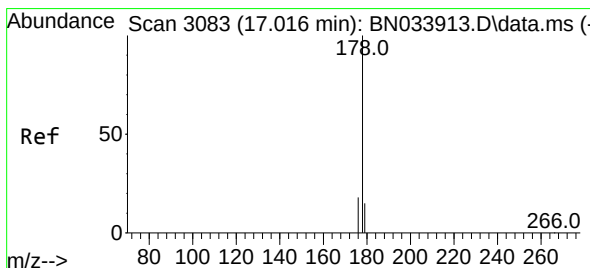
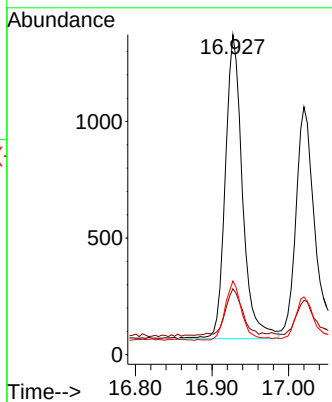
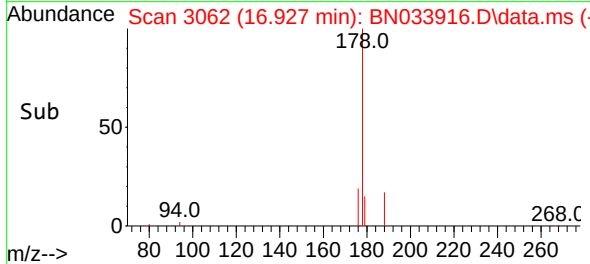
Instrument : BNA_N
ClientSampleId : MDL-SOIL-QT3-2024-05



Tgt Ion:178 Resp: 2030
Ion Ratio Lower Upper
178 100
179 20.6 12.9 19.3#
176 23.0 15.7 23.5#

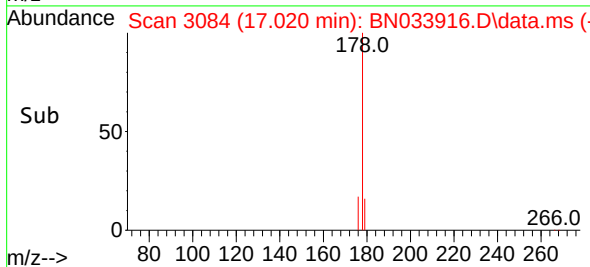
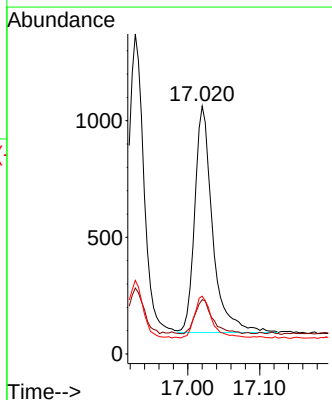
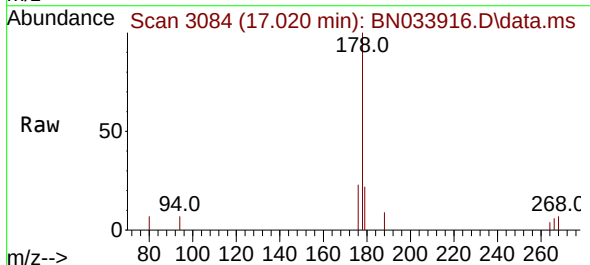
Manual Integrations
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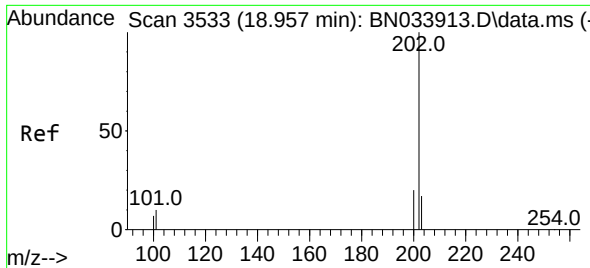
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024



#16
Anthracene
Concen: 0.059 ng/u1
RT: 17.020 min Scan# 3084
Delta R.T. 0.004 min
Lab File: BN033916.D
Acq: 14 Sep 2024 15:42

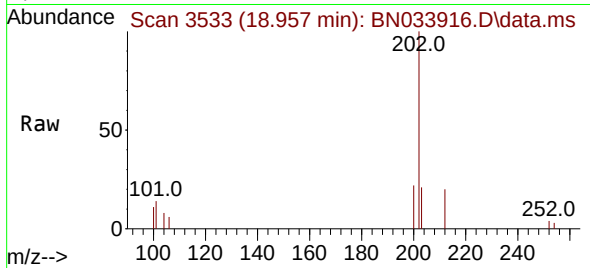
Tgt Ion:178 Resp: 1675
Ion Ratio Lower Upper
178 100
179 21.9 13.0 19.4#
176 23.3 15.2 22.8#





#19
Fluoranthene
Concen: 0.065 ng/u1
RT: 18.957 min Scan# 3533
Delta R.T. -0.000 min
Lab File: BN033916.D
Acq: 14 Sep 2024 15:42

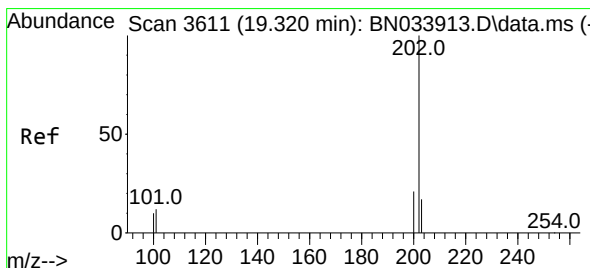
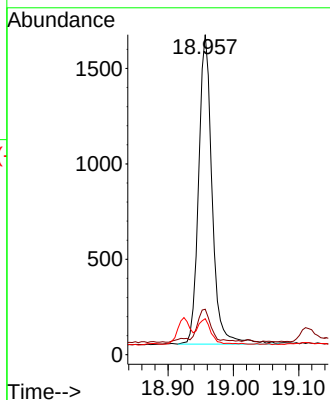
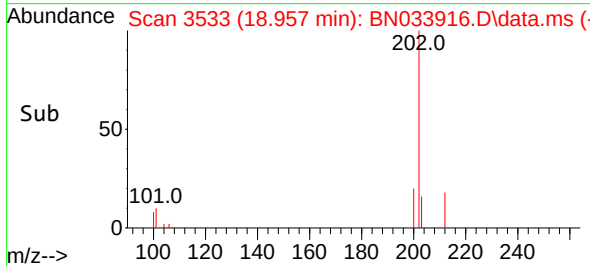
Instrument : BNA_N
ClientSampleId : MDL-SOIL-QT3-2024-05



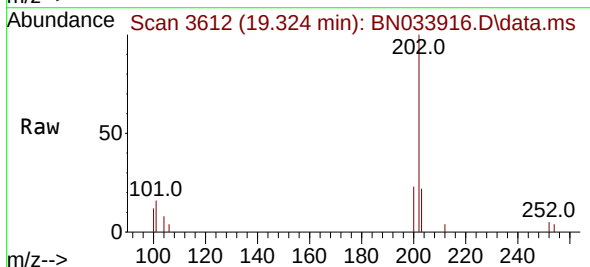
Tgt Ion:202 Resp: 2314
Ion Ratio Lower Upper
202 100
101 14.2 9.0 13.4
100 11.3 6.7 10.1

Manual Integrations
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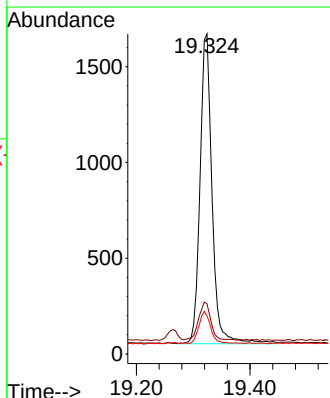
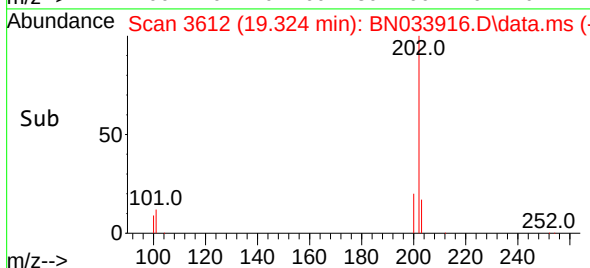
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024

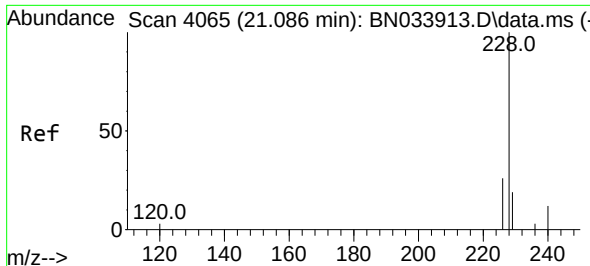


#20
Pyrene
Concen: 0.063 ng/u1
RT: 19.324 min Scan# 3612
Delta R.T. 0.004 min
Lab File: BN033916.D
Acq: 14 Sep 2024 15:42



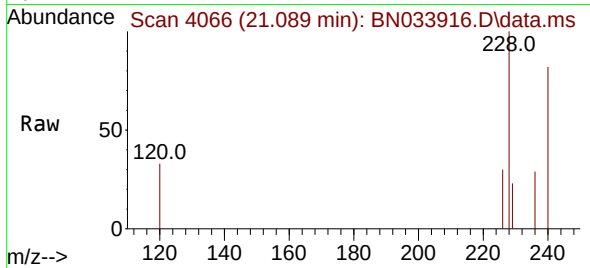
Tgt Ion:202 Resp: 2380
Ion Ratio Lower Upper
202 100
101 15.7 10.8 16.2
100 11.9 8.7 13.1





#21
Benzo(a)anthracene
Concen: 0.058 ng/ul
RT: 21.089 min Scan# 4065
Delta R.T. 0.003 min
Lab File: BN033916.D
Acq: 14 Sep 2024 15:42

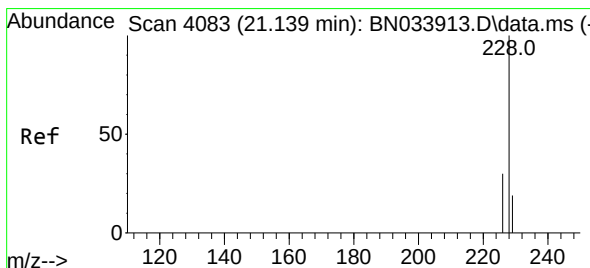
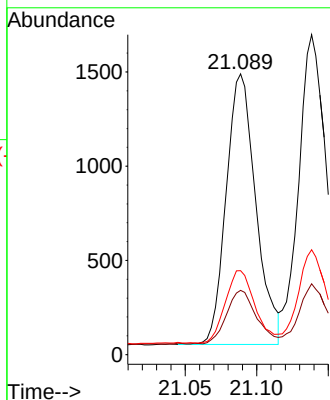
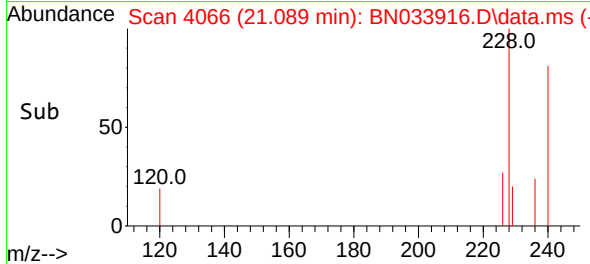
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-QT3-2024-05



Tgt Ion:228 Resp: 2075
Ion Ratio Lower Upper
228 100
229 22.9 15.4 23.2
226 29.9 22.1 33.1

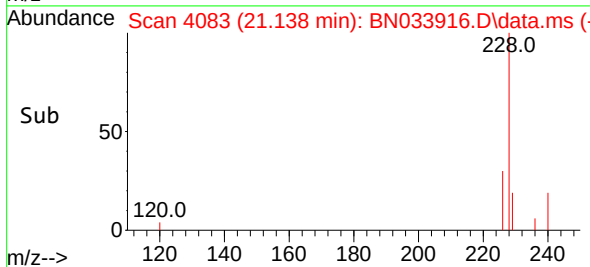
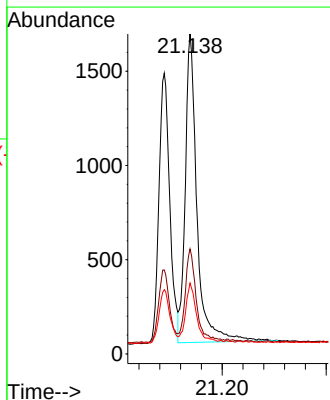
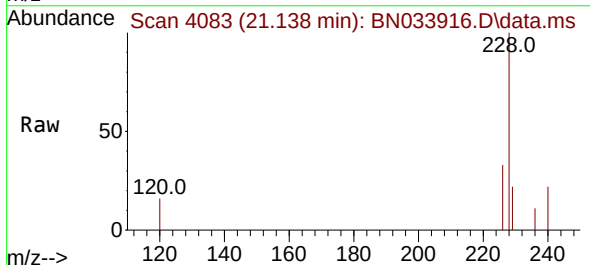
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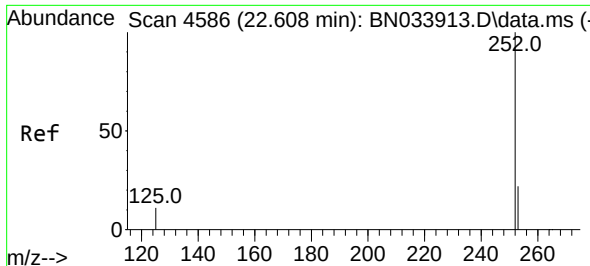
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024



#22
Chrysene
Concen: 0.071 ng/ul
RT: 21.138 min Scan# 4083
Delta R.T. -0.000 min
Lab File: BN033916.D
Acq: 14 Sep 2024 15:42

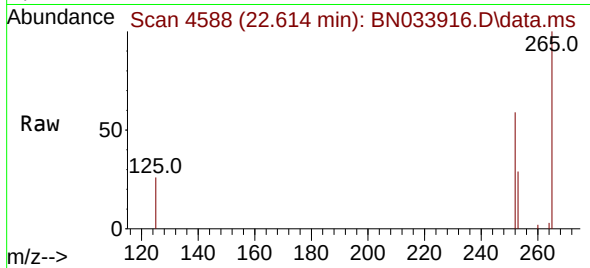
Tgt Ion:228 Resp: 2560
Ion Ratio Lower Upper
228 100
226 32.8 24.2 36.2
229 22.1 15.6 23.4





#24
Benzo(b)fluoranthene
Concen: 0.061 ng/ul
RT: 22.614 min Scan# 4588
Delta R.T. 0.006 min
Lab File: BN033916.D
Acq: 14 Sep 2024 15:42

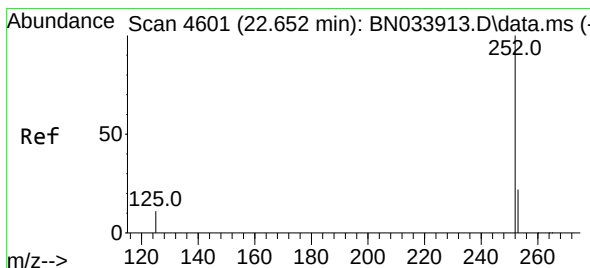
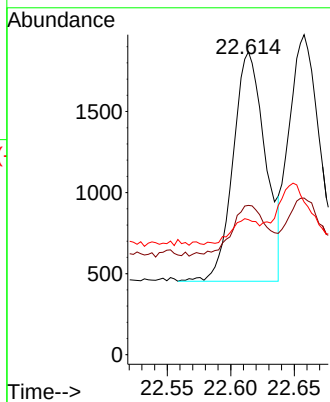
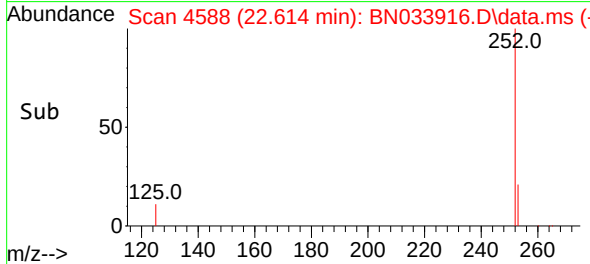
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-QT3-2024-05



Tgt Ion:252 Resp: 2497
Ion Ratio Lower Upper
252 100
253 49.3 0.0 52.8
125 44.6 0.0 36.4

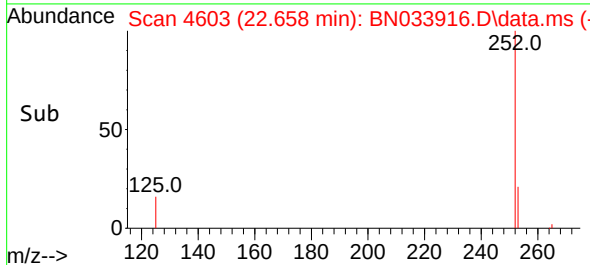
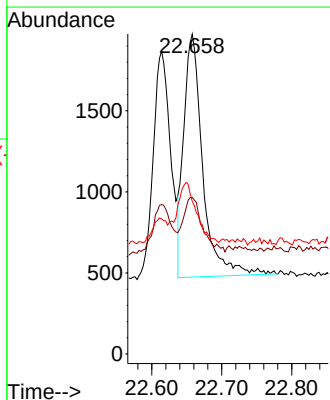
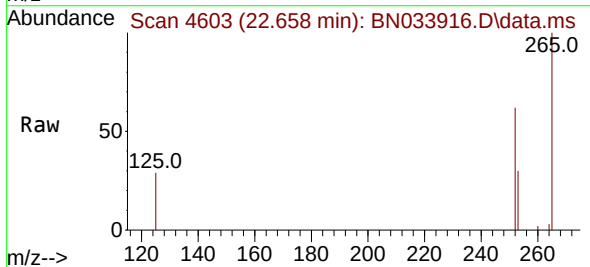
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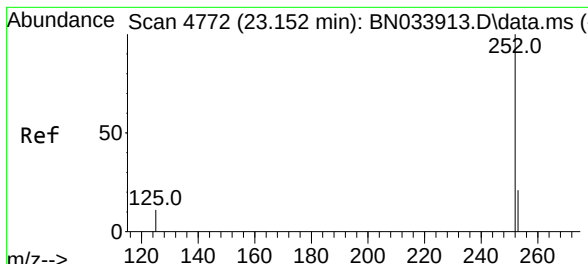
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024



#25
Benzo(k)fluoranthene
Concen: 0.070 ng/ul
RT: 22.658 min Scan# 4603
Delta R.T. 0.006 min
Lab File: BN033916.D
Acq: 14 Sep 2024 15:42

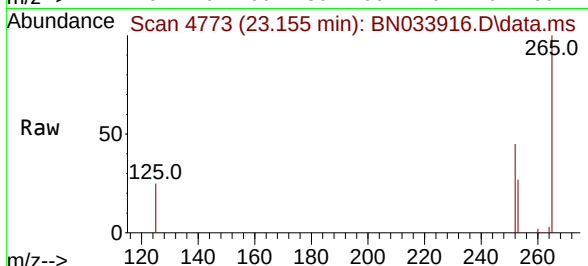
Tgt Ion:252 Resp: 2831
Ion Ratio Lower Upper
252 100
253 48.9 21.4 32.0#
125 47.7 15.1 22.7#





#26
Benzo(a)pyrene
Concen: 0.070 ng/ul
RT: 23.155 min Scan# 4772
Delta R.T. 0.003 min
Lab File: BN033916.D
Acq: 14 Sep 2024 15:42

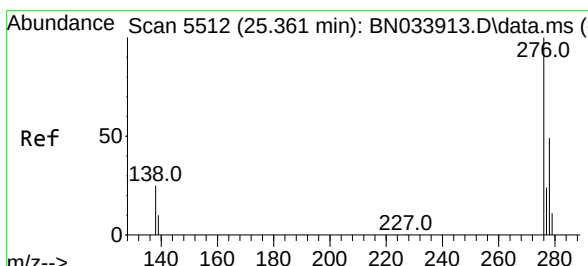
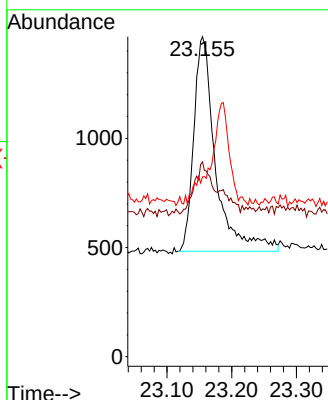
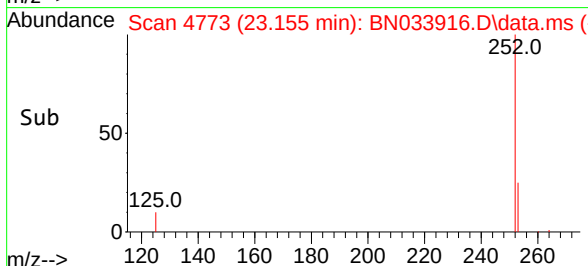
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-QT3-2024-05



Tgt Ion:252 Resp: 230
Ion Ratio Lower Upper
252 100
253 60.8 22.8 34.2
125 56.2 18.0 27.0

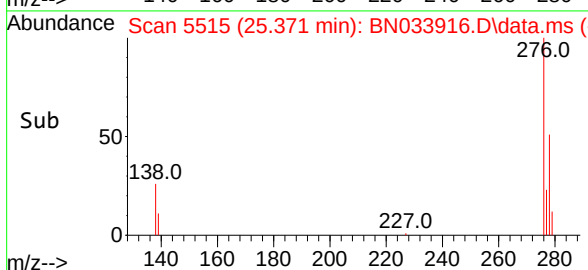
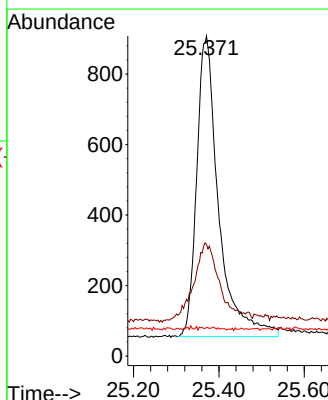
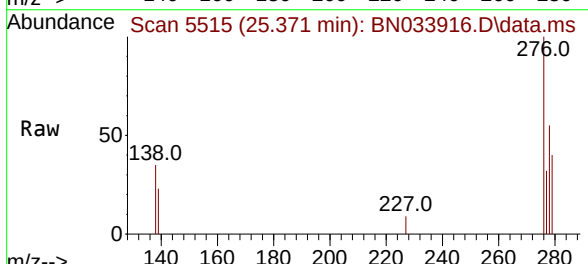
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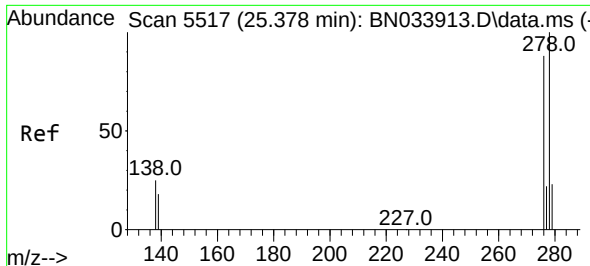
Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024



#27
Indeno(1,2,3-cd)pyrene
Concen: 0.062 ng/ul
RT: 25.371 min Scan# 5515
Delta R.T. 0.010 min
Lab File: BN033916.D
Acq: 14 Sep 2024 15:42

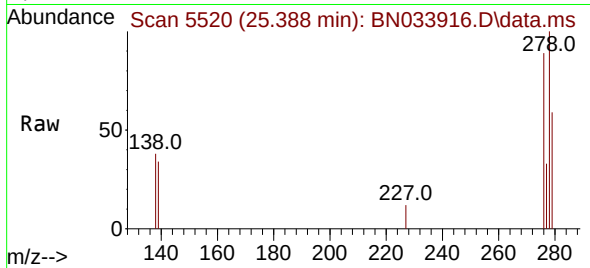
Tgt Ion:276 Resp: 3038
Ion Ratio Lower Upper
276 100
138 32.4 22.3 33.5
227 0.1 0.2 0.4





#28
Dibenzo(a,h)anthracene
Concen: 0.061 ng/ul
RT: 25.388 min Scan# 51
Delta R.T. 0.010 min
Lab File: BN033916.D
Acq: 14 Sep 2024 15:42

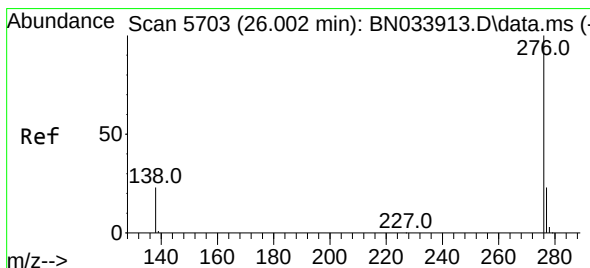
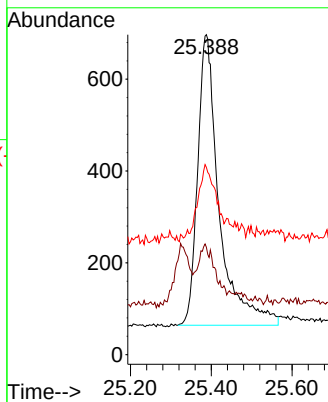
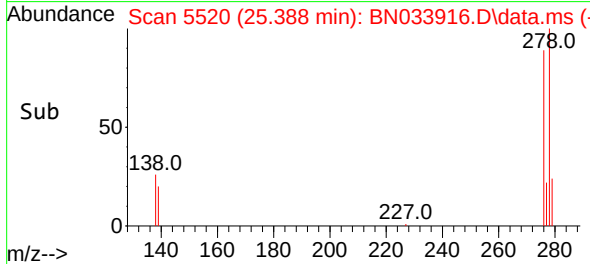
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-QT3-2024-05



Tgt Ion:278 Resp: 2339
Ion Ratio Lower Upper
278 100
139 33.6 17.3 25.9#
279 58.5 21.5 32.3#

Manual Integrations
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Reviewed By :Yogesh Patel 09/16/2024
Supervised By :mohammad ahmed 09/17/2024



#29
Benzo(g,h,i)perylene
Concen: 0.069 ng/ul
RT: 26.012 min Scan# 5706
Delta R.T. 0.010 min
Lab File: BN033916.D
Acq: 14 Sep 2024 15:42

Tgt Ion:276 Resp: 2626
Ion Ratio Lower Upper
276 100
138 33.3 20.8 31.2#
277 33.3 20.2 30.4#

