

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112624\
 Data File : BN035347.D
 Acq On : 27 Nov 2024 12:27
 Operator : RC/JU
 Sample : P4776-03
 Misc : MDL-SOIL-QT4-2024
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 MDL-SOIL-QT4-2024-07

Quant Time: Nov 28 00:01:44 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN111624.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 26 06:09:15 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/28/2024
 Supervised By :mohammad ahmed 11/28/2024

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.310	152	3725	0.400	ng/ul	0.00
4) Naphthalene-d8	10.059	136	9380	0.400	ng/ul	0.00
9) Acenaphthene-d10	13.967	164	5567	0.400	ng/ul	0.00
13) Phenanthrene-d10	16.734	188	10574	0.400	ng/ul	# 0.00
17) Chrysene-d12	20.973	240	6123	0.400	ng/ul	# 0.00
23) Perylene-d12	23.065	264	6995	0.400	ng/ul	-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	2.972	96	1701	0.500	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.659	152	4574	0.333	ng/ul	0.00
18) Fluoranthene-d10	18.786	212	7942	0.470	ng/ul	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.006	88	275	0.074	ng/ul#	88
5) Naphthalene	10.108	128	1499	0.063	ng/ul#	90
7) 2-Methylnaphthalene	11.736	142	1004	0.061	ng/ul	100
8) 1-Methylnaphthalene	11.961	142	1010	0.061	ng/ul	98
10) Acenaphthylene	13.681	152	1463	0.066	ng/ul#	92
11) Acenaphthene	14.032	153	1137	0.067	ng/ul	98
12) Fluorene	15.036	166	1212	0.061	ng/ul#	97
14) Pentachlorophenol	16.396	266	184	0.075	ng/ul	95
15) Phenanthrene	16.776	178	1847	0.066	ng/ul#	93
16) Anthracene	16.869	178	1517	0.058	ng/ul#	89
19) Fluoranthene	18.814	202	1784	0.084	ng/ul#	85
20) Pyrene	19.181	202	1769	0.080	ng/ul#	82
21) Benzo(a)anthracene	20.958	228	1315	0.062	ng/ul	94
22) Chrysene	21.011	228	1511	0.071	ng/ul	94
24) Benzo(b)fluoranthene	22.454	252	1481	0.064	ng/ul#	65
25) Benzo(k)fluoranthene	22.495	252	1592	0.067	ng/ul#	61
26) Benzo(a)pyrene	22.978	252	1326	0.063	ng/ul#	52
27) Indeno(1,2,3-cd)pyrene	25.104	276	1833m	0.064	ng/ul	
28) Dibenzo(a,h)anthracene	25.128	278	1366m	0.061	ng/ul	
29) Benzo(g,h,i)perylene	25.721	276	1493	0.066	ng/ul#	77

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

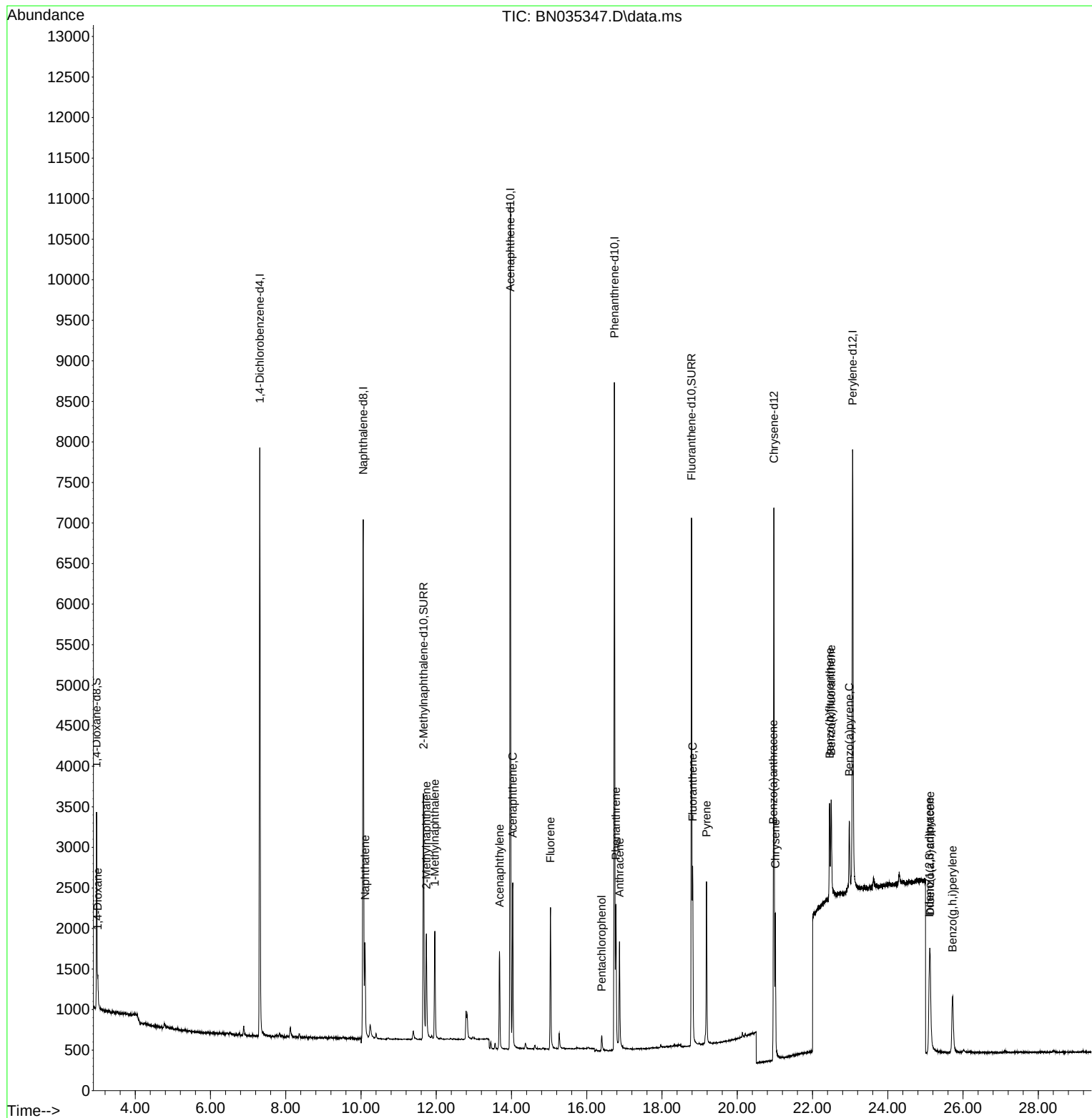
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Data File : BN035347.D
Acq On : 27 Nov 2024 12:27
Operator : RC/JU
Sample : P4776-03
Misc : MDL-SOIL-QT4-2024
ALS Vial : 5 Sample Multiplier: 1

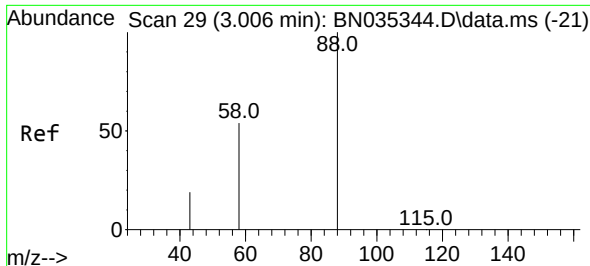
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-QT4-2024-07

Quant Time: Nov 28 00:01:44 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN11624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 26 06:09:15 2024
Response via : Initial Calibration

Manual Integrations
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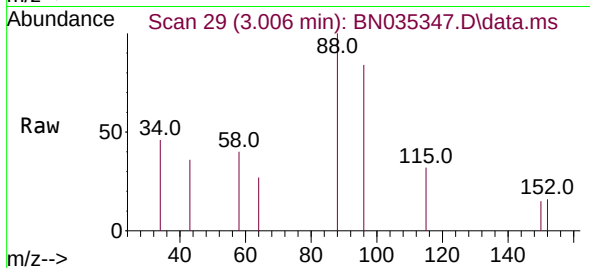
Reviewed By :Yogesh Patel 11/28/2024
Supervised By :mohammad ahmed 11/28/2024





#2
1,4-Dioxane
Concen: 0.074 ng/ul
RT: 3.006 min Scan# 29
Delta R.T. -0.000 min
Lab File: BN035347.D
Acq: 27 Nov 2024 12:27

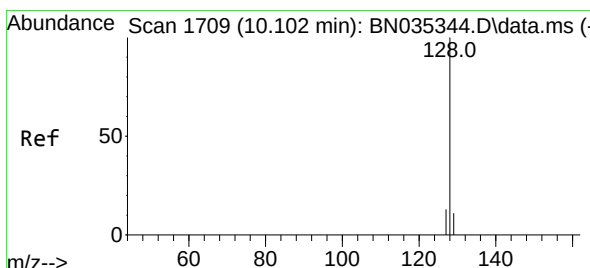
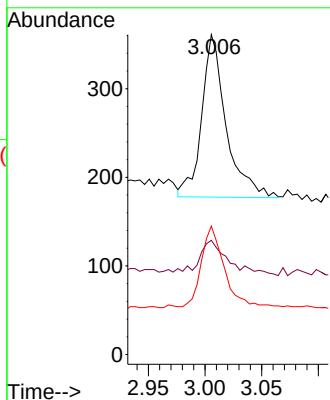
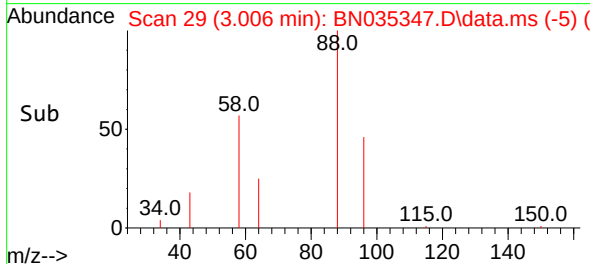
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-QT4-2024-07



Tgt Ion: 88 Resp: 279
Ion Ratio Lower Upper
88 100
43 35.7 20.6 31.0#
58 40.2 36.2 54.4

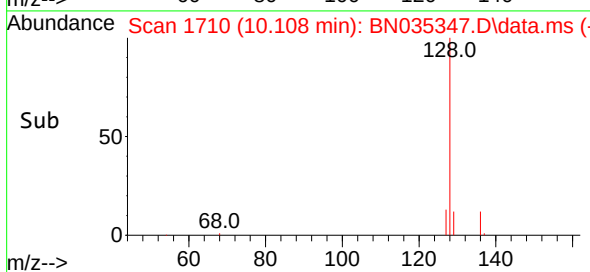
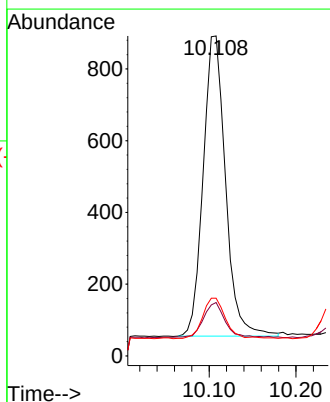
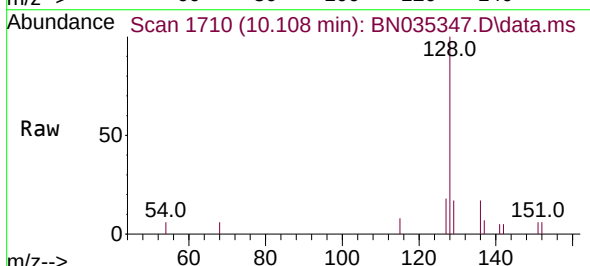
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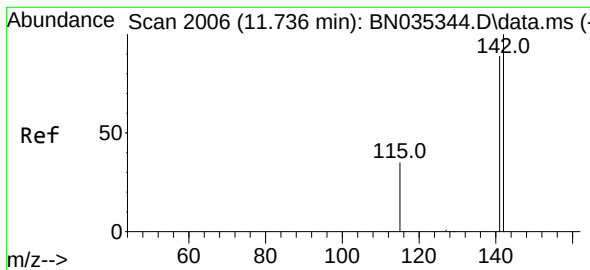
Reviewed By :Yogesh Patel 11/28/2024
Supervised By :mohammad ahmed 11/28/2024



#5
Naphthalene
Concen: 0.063 ng/ul
RT: 10.108 min Scan# 1710
Delta R.T. 0.000 min
Lab File: BN035347.D
Acq: 27 Nov 2024 12:27

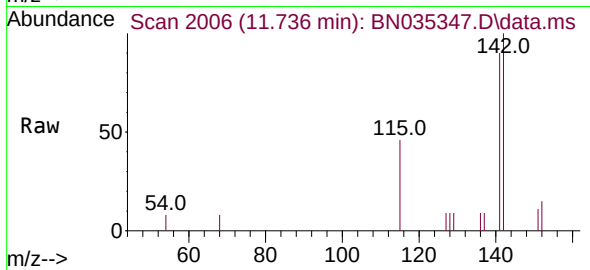
Tgt Ion:128 Resp: 1499
Ion Ratio Lower Upper
128 100
129 16.7 9.9 14.9#
127 18.0 11.4 17.2#





#7
2-Methylnaphthalene
Concen: 0.061 ng/ul
RT: 11.736 min Scan# 2006
Delta R.T. -0.005 min
Lab File: BN035347.D
Acq: 27 Nov 2024 12:27

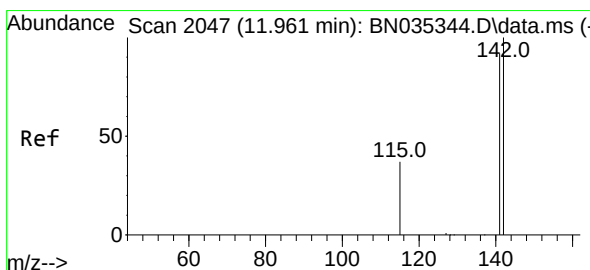
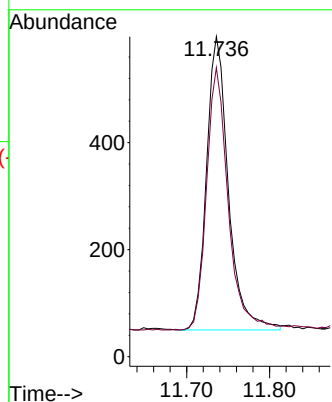
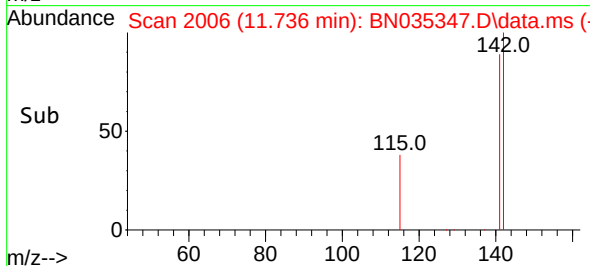
Instrument :
BNA_N
ClientSampleId :
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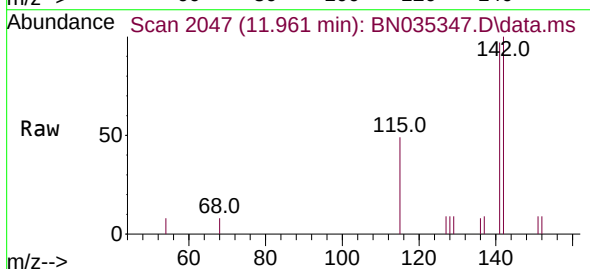
Tgt Ion:142 Resp: 1004
Ion Ratio Lower Upper
142 100
141 88.3 70.4 105.6

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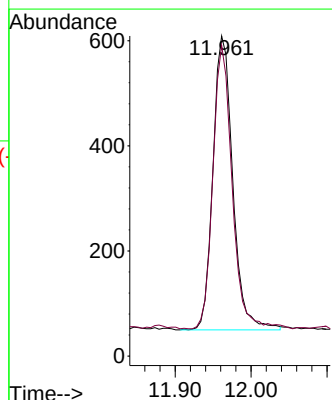
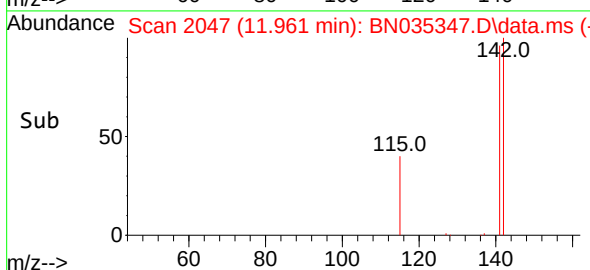
Reviewed By :Yogesh Patel 11/28/2024
Supervised By :mohammad ahmed 11/28/2024

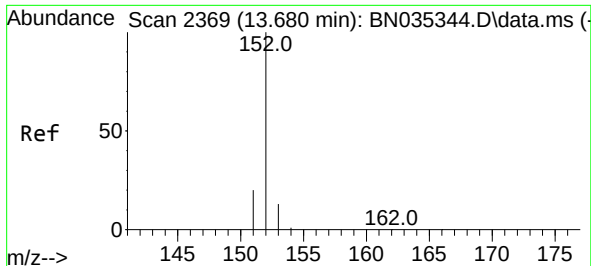


#8
1-Methylnaphthalene
Concen: 0.061 ng/ul
RT: 11.961 min Scan# 2047
Delta R.T. -0.006 min
Lab File: BN035347.D
Acq: 27 Nov 2024 12:27



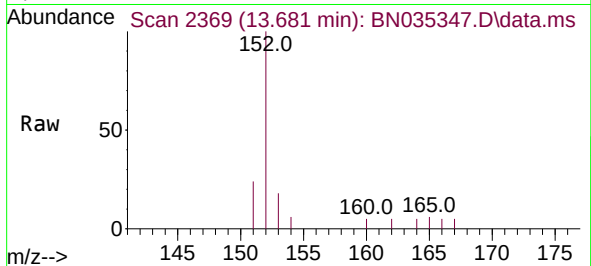
Tgt Ion:142 Resp: 1010
Ion Ratio Lower Upper
142 100
141 93.4 73.1 109.7





#10
Acenaphthylene
Concen: 0.066 ng/ul
RT: 13.681 min Scan# 21
Delta R.T. -0.005 min
Lab File: BN035347.D
Acq: 27 Nov 2024 12:27

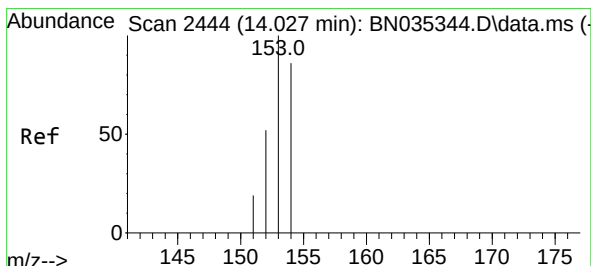
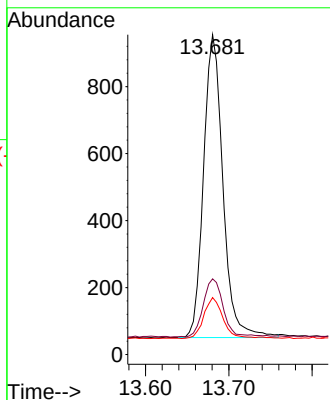
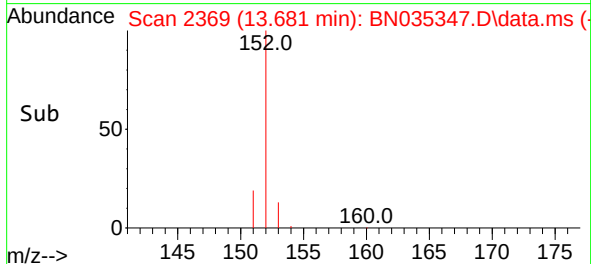
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-QT4-2024-07



Tgt Ion:152 Resp: 146
Ion Ratio Lower Upper
152 100
151 23.7 16.4 24.6
153 17.8 11.1 16.7

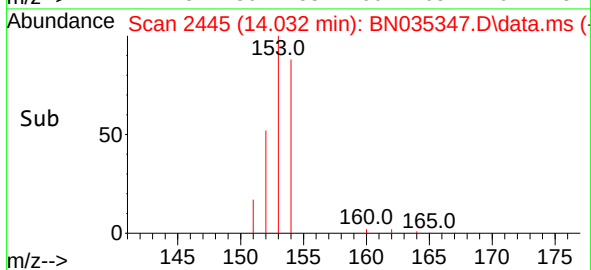
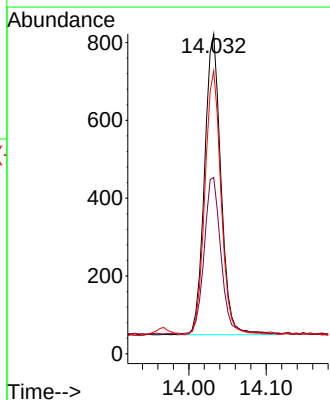
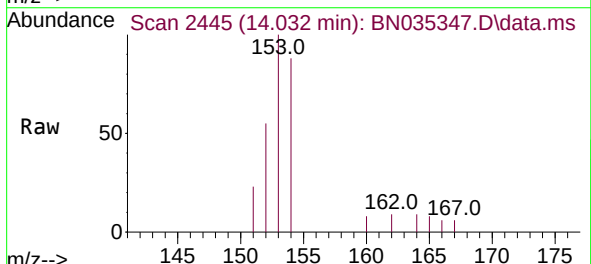
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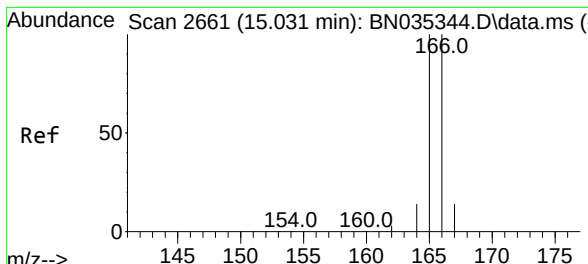
Reviewed By :Yogesh Patel 11/28/2024
Supervised By :mohammad ahmed 11/28/2024



#11
Acenaphthene
Concen: 0.067 ng/ul
RT: 14.032 min Scan# 2445
Delta R.T. -0.005 min
Lab File: BN035347.D
Acq: 27 Nov 2024 12:27

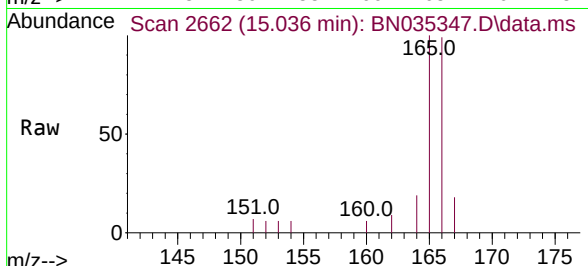
Tgt Ion:153 Resp: 1137
Ion Ratio Lower Upper
153 100
152 55.1 41.4 62.0
154 88.4 71.2 106.8





#12
Fluorene
Concen: 0.061 ng/ul
RT: 15.036 min Scan# 2060
Delta R.T. -0.000 min
Lab File: BN035347.D
Acq: 27 Nov 2024 12:27

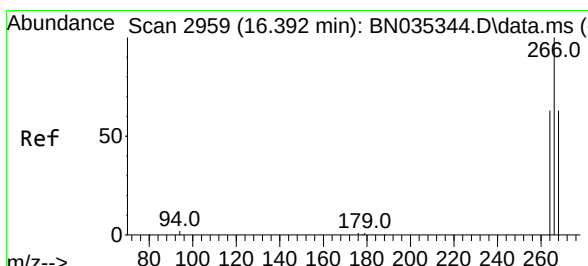
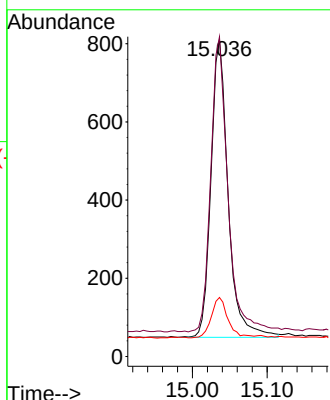
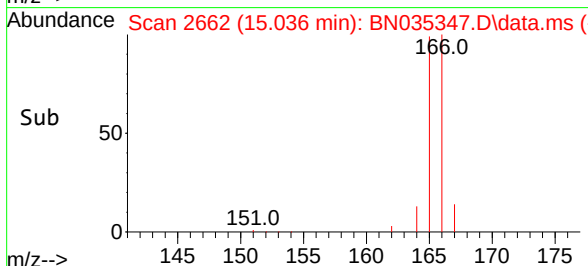
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-QT4-2024-07



Tgt Ion:166 Resp: 121
Ion Ratio Lower Upper
166 100
165 100.9 78.6 118.0
167 18.6 11.8 17.6

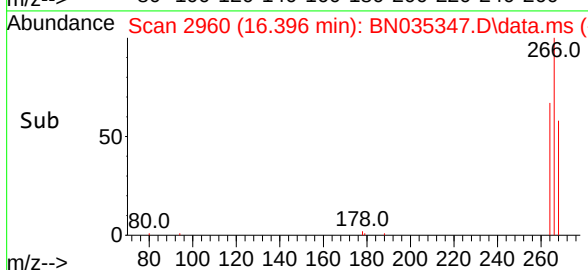
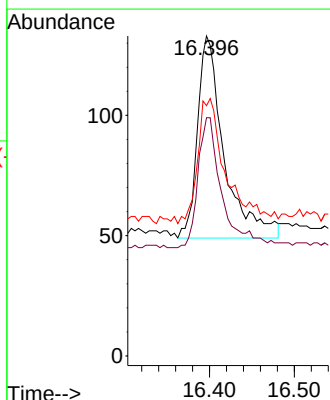
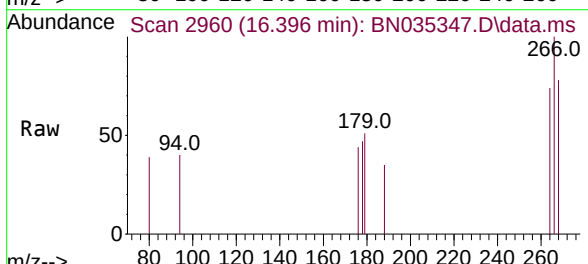
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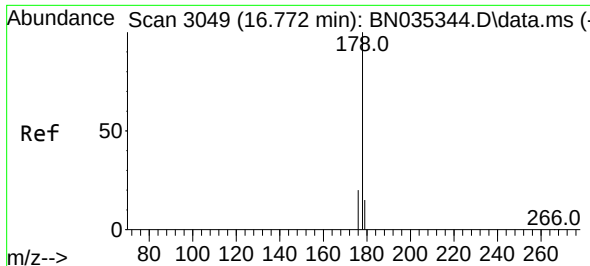
Reviewed By :Yogesh Patel 11/28/2024
Supervised By :mohammad ahmed 11/28/2024



#14
Pentachlorophenol
Concen: 0.075 ng/ul
RT: 16.396 min Scan# 2960
Delta R.T. -0.004 min
Lab File: BN035347.D
Acq: 27 Nov 2024 12:27

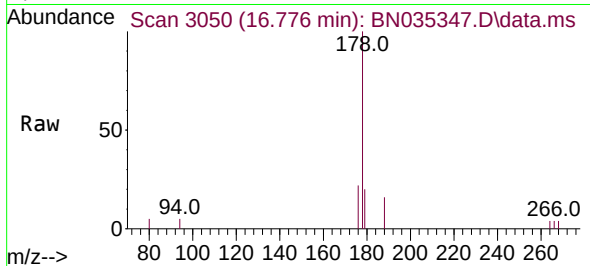
Tgt Ion:266 Resp: 184
Ion Ratio Lower Upper
266 100
264 58.2 51.8 77.6
268 65.8 51.3 76.9





#15
Phenanthrene
Concen: 0.066 ng/u1
RT: 16.776 min Scan# 3049
Delta R.T. -0.004 min
Lab File: BN035347.D
Acq: 27 Nov 2024 12:27

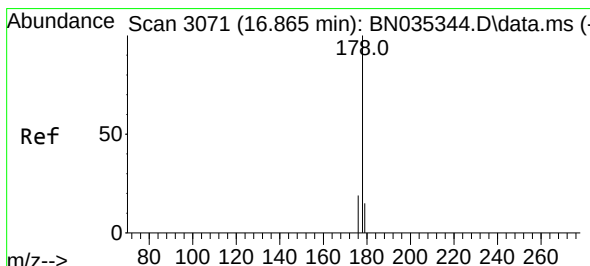
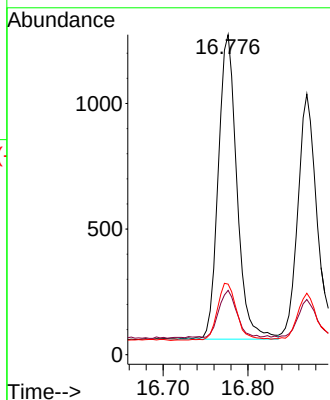
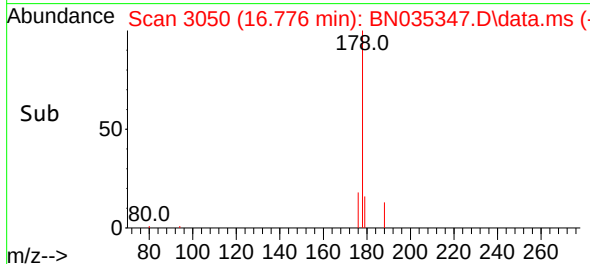
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-QT4-2024-07



Tgt Ion:178 Resp: 184
Ion Ratio Lower Upper
178 100
179 20.1 12.9 19.3#
176 22.1 15.6 23.4#

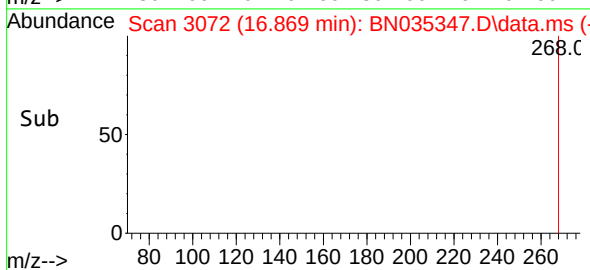
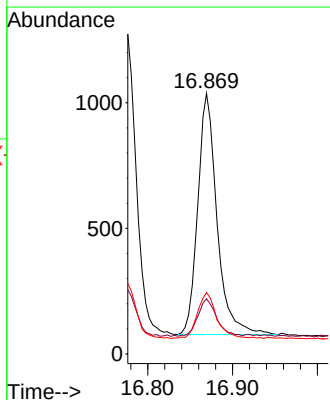
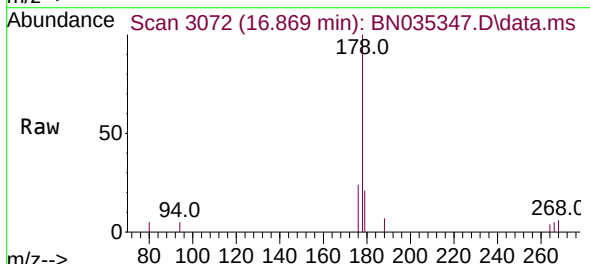
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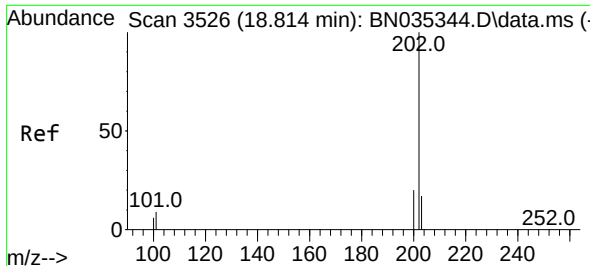
Reviewed By :Yogesh Patel 11/28/2024
Supervised By :mohammad ahmed 11/28/2024



#16
Anthracene
Concen: 0.058 ng/u1
RT: 16.869 min Scan# 3072
Delta R.T. -0.004 min
Lab File: BN035347.D
Acq: 27 Nov 2024 12:27

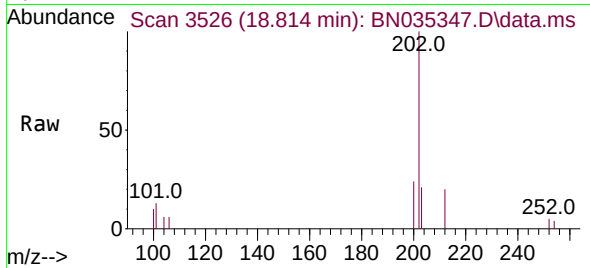
Tgt Ion:178 Resp: 1517
Ion Ratio Lower Upper
178 100
179 21.2 12.9 19.3#
176 23.6 15.4 23.2#





#19
Fluoranthene
Concen: 0.084 ng/ul
RT: 18.814 min Scan# 3526
Delta R.T. -0.005 min
Lab File: BN035347.D
Acq: 27 Nov 2024 12:27

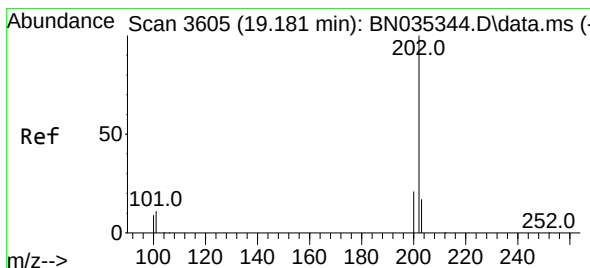
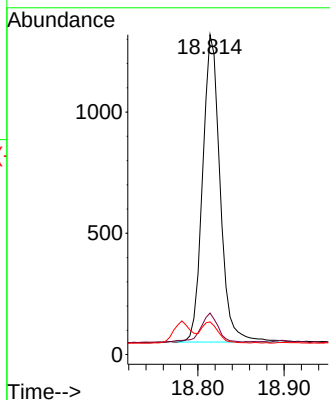
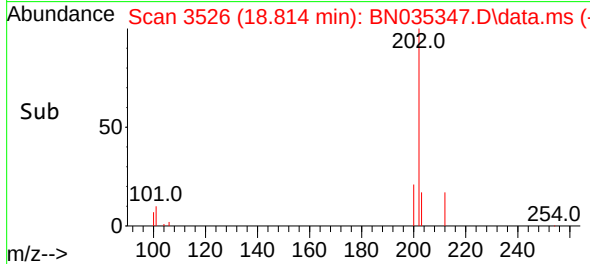
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-QT4-2024-07



Tgt Ion:202 Resp: 1784
Ion Ratio Lower Upper
202 100
101 13.0 5.8 8.6
100 10.2 4.5 6.7

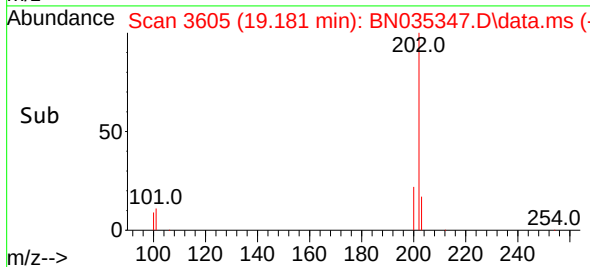
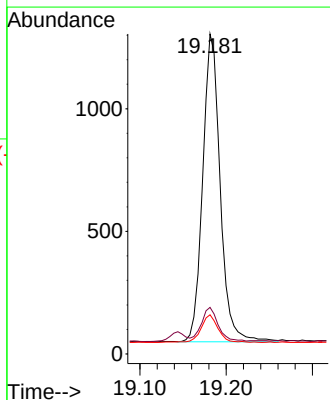
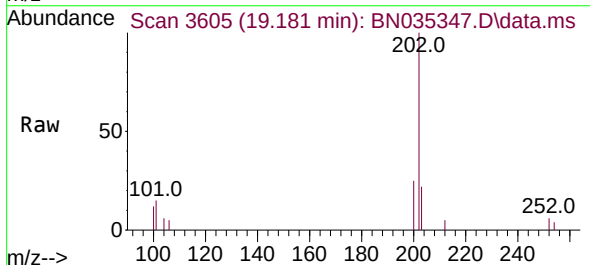
Manual Integrations
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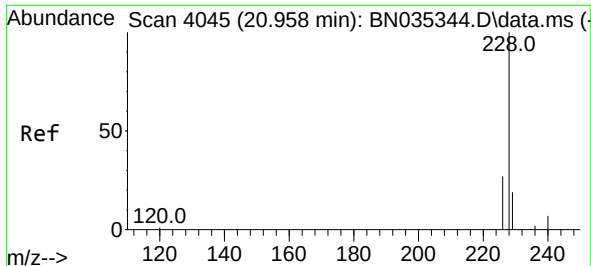
Reviewed By :Yogesh Patel 11/28/2024
Supervised By :mohammad ahmed 11/28/2024



#20
Pyrene
Concen: 0.080 ng/ul
RT: 19.181 min Scan# 3605
Delta R.T. -0.005 min
Lab File: BN035347.D
Acq: 27 Nov 2024 12:27

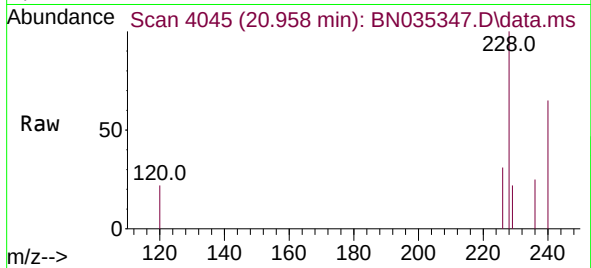
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Ion Ratio Lower Upper
202 100
101 14.6 6.2 9.4#
100 12.3 5.1 7.7#





#21
Benzo(a)anthracene
Concen: 0.062 ng/ul
RT: 20.958 min Scan# 4045
Delta R.T. -0.006 min
Lab File: BN035347.D
Acq: 27 Nov 2024 12:27

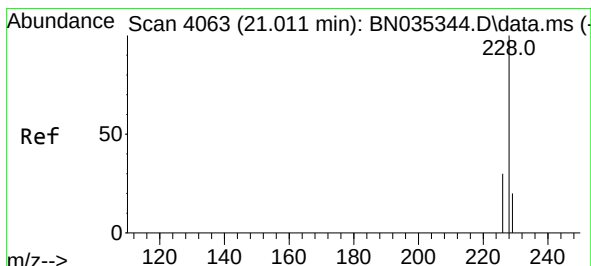
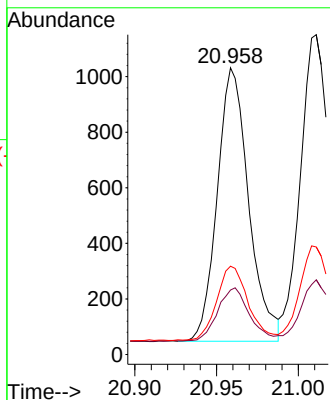
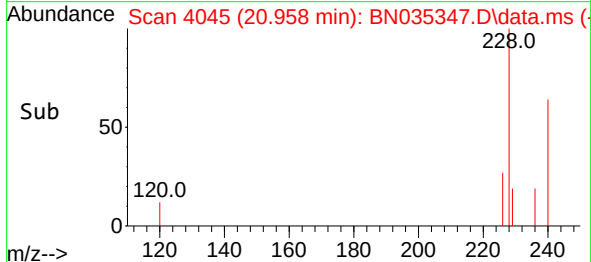
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-QT4-2024-07



Tgt Ion:228 Resp: 1311
Ion Ratio Lower Upper
228 100
229 22.5 15.8 23.8
226 30.8 21.8 32.8

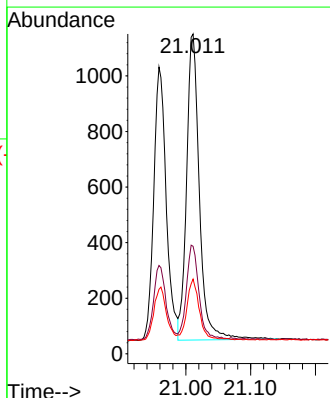
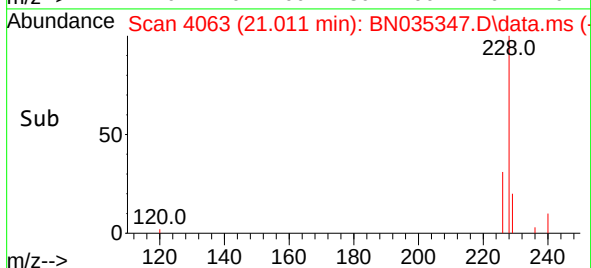
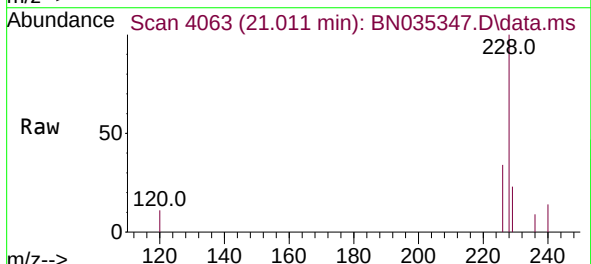
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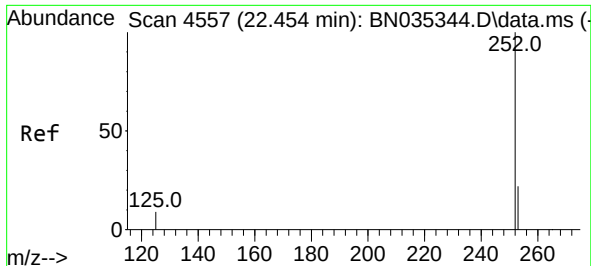
Reviewed By :Yogesh Patel 11/28/2024
Supervised By :mohammad ahmed 11/28/2024



#22
Chrysene
Concen: 0.071 ng/ul
RT: 21.011 min Scan# 4063
Delta R.T. -0.006 min
Lab File: BN035347.D
Acq: 27 Nov 2024 12:27

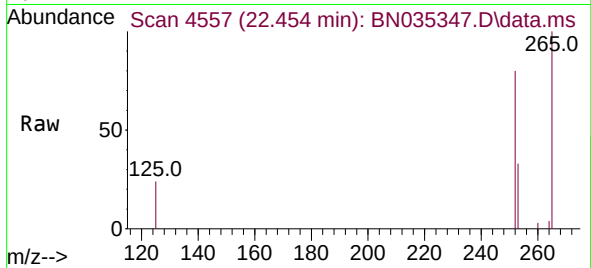
Tgt Ion:228 Resp: 1511
Ion Ratio Lower Upper
228 100
226 33.6 24.7 37.1
229 23.4 16.0 24.0





#24
Benzo(b)fluoranthene
Concen: 0.064 ng/ul
RT: 22.454 min Scan# 4557
Delta R.T. -0.009 min
Lab File: BN035347.D
Acq: 27 Nov 2024 12:27

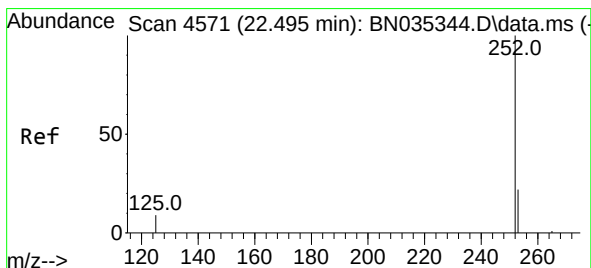
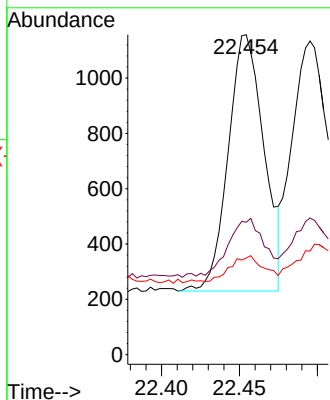
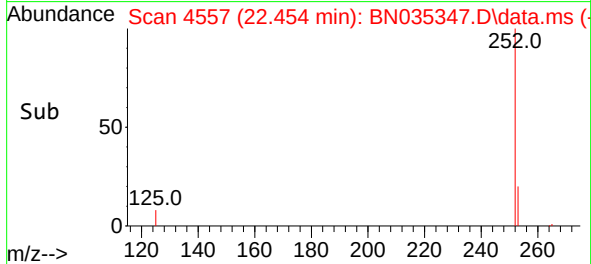
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-QT4-2024-07



Tgt Ion:252 Resp: 148
Ion Ratio Lower Upper
252 100
253 41.4 0.0 54.0
125 30.2 0.0 19.4

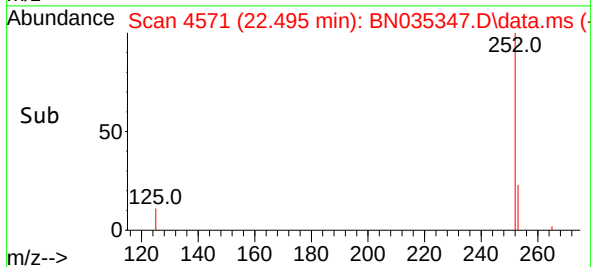
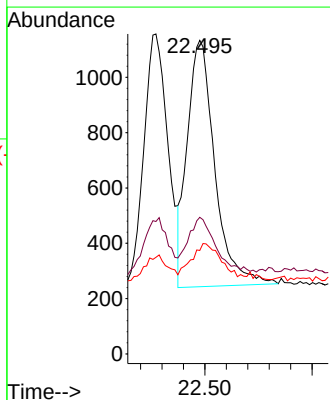
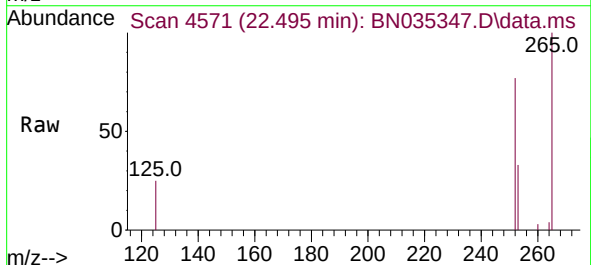
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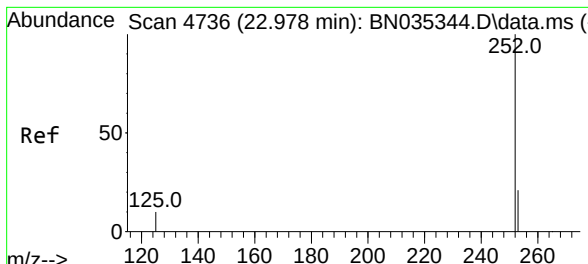
Reviewed By :Yogesh Patel 11/28/2024
Supervised By :mohammad ahmed 11/28/2024



#25
Benzo(k)fluoranthene
Concen: 0.067 ng/ul
RT: 22.495 min Scan# 4571
Delta R.T. -0.009 min
Lab File: BN035347.D
Acq: 27 Nov 2024 12:27

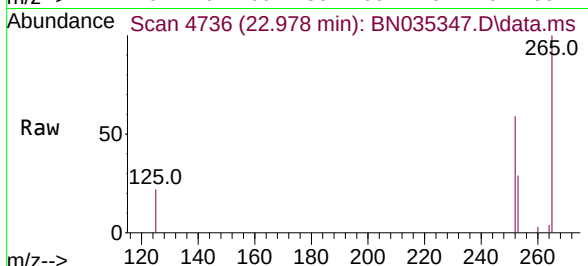
Tgt Ion:252 Resp: 1592
Ion Ratio Lower Upper
252 100
253 43.6 21.8 32.6#
125 33.0 8.6 12.8#





#26
Benzo(a)pyrene
Concen: 0.063 ng/ul
RT: 22.978 min Scan# 41
Delta R.T. -0.009 min
Lab File: BN035347.D
Acq: 27 Nov 2024 12:27

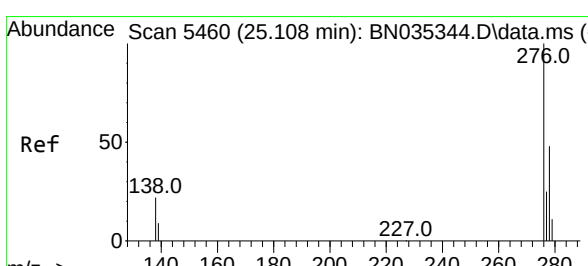
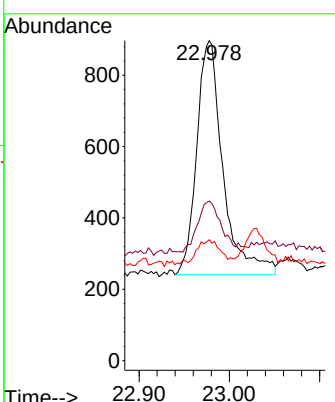
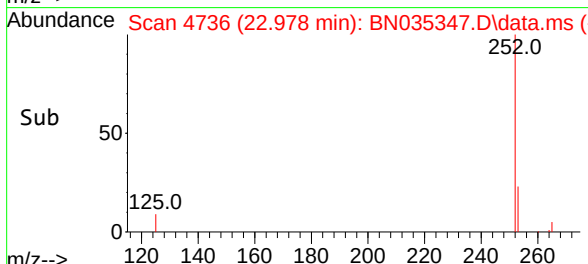
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-QT4-2024-07



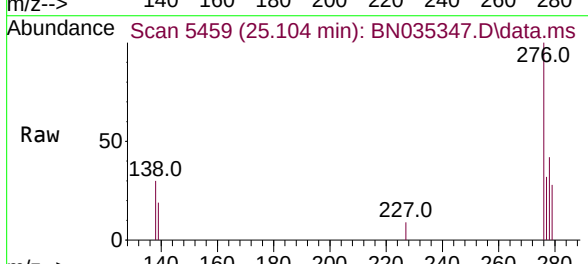
Tgt Ion:252 Resp: 1320

Ion	Ratio	Lower	Upper
252	100		
253	49.8	22.9	34.3
125	37.8	9.4	14.2

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Supervised By :mohammad ahmed 11/28/2024

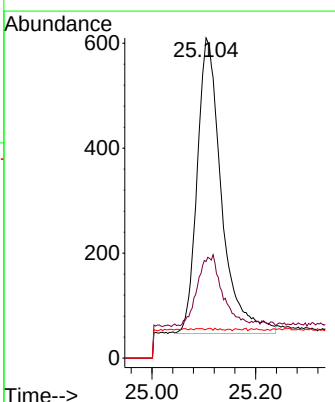
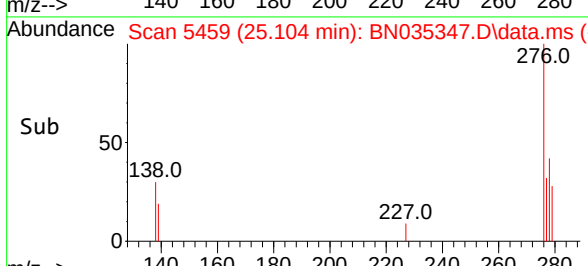


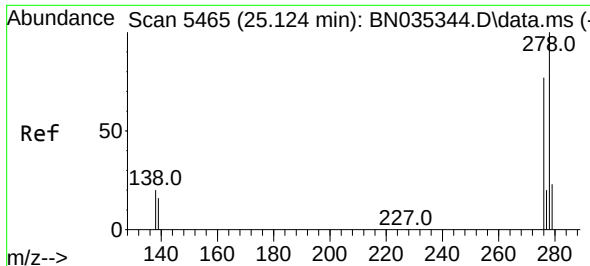
#27
Indeno(1,2,3-cd)pyrene
Concen: 0.064 ng/ul m
RT: 25.104 min Scan# 5459
Delta R.T. -0.017 min
Lab File: BN035347.D
Acq: 27 Nov 2024 12:27



Tgt Ion:276 Resp: 1833

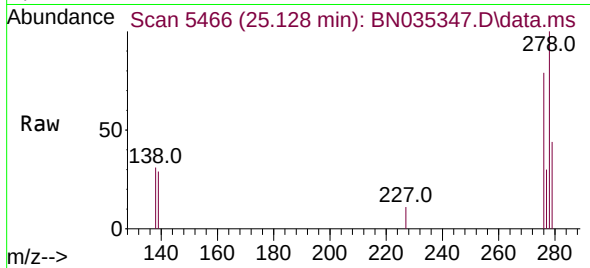
Ion	Ratio	Lower	Upper
276	100		
138	41.5	13.8	20.8
227	52.1	0.2	0.4





#28
Dibenzo(a,h)anthracene
Concen: 0.061 ng/ul m
RT: 25.128 min Scan# 5466
Delta R.T. -0.010 min
Lab File: BN035347.D
Acq: 27 Nov 2024 12:27

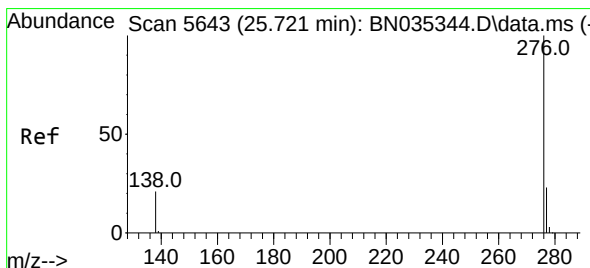
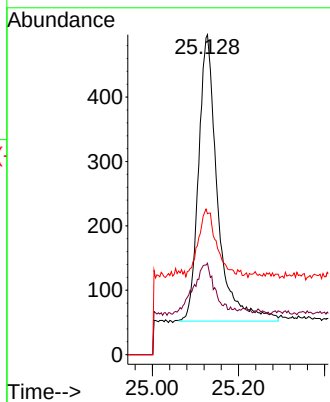
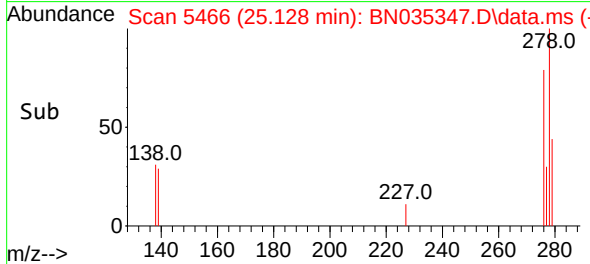
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-QT4-2024-07



Tgt Ion:278 Resp: 1360
Ion Ratio Lower Upper
278 100
139 28.6 10.7 16.1#
279 44.1 22.8 34.2#

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Reviewed By :Yogesh Patel 11/28/2024
Supervised By :mohammad ahmed 11/28/2024



#29
Benzo(g,h,i)perylene
Concen: 0.066 ng/ul
RT: 25.721 min Scan# 5643
Delta R.T. -0.013 min
Lab File: BN035347.D
Acq: 27 Nov 2024 12:27

Tgt Ion:276 Resp: 1493
Ion Ratio Lower Upper
276 100
138 32.1 13.0 19.6#
277 32.7 20.5 30.7#

